



# FCC RADIO TEST REPORT

**FCC ID** : IHDT56YJ1  
**Equipment** : Mobile Cellular Phone  
**Brand Name** : Motorola  
**Model Name** : XT2061-1  
**Applicant** : Motorola Mobility, LLC  
222 W Merchandise Mart Plaza, Suite  
1800, Chicago, IL 60654, United States  
**Manufacturer** : Motorola Mobility, LLC  
222 W Merchandise Mart Plaza, Suite  
1800, Chicago, IL 60654, United States  
**Standard** : FCC Part 15 Subpart E §15.407

The product was received on Dec. 06, 2019 and testing was started from Dec.26, 2019 and completed on Feb. 12, 2020. 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.

*Louis Wu*

Approved by: Louis Wu

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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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>3.22 dB at<br>5726.920 MHz |
| 3.5           | 15.207              | AC Conducted Emission                  | Pass               | Under limit<br>18.11 dB at<br>2.300 MHz   |
| 3.6           | 15.407(c)           | Automatically Discontinue Transmission | Pass               | -   |
| 3.7           | 15.203<br>15.407(a) | Antenna Requirement                    | Pass               | -   |

|  |
|--|
| <b>Declaration of Conformity:</b>  |
| The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.   |
| <b>Comments and Explanations:</b>  |
| 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: Ann Lee**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                 |   |
|---------------------------------|---|
| Equipment                       | Mobile Cellular Phone   |
| Brand Name                      | Motorola  |
| Model Name                      | XT2061-1  |
| FCC ID                          | IHDT56YJ1   |
| IMEI Code                       | <b>Conducted :</b> IMEI: 359120100011371<br><b>Conduction :</b> IMEI: 359120100016479<br><b>Radiation :</b> IMEI: 359120100017048   |
| EUT supports Radios application | CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/<br>GNSS/NFC/WPC<br>WLAN 11b/g/n HT20<br>WLAN 11a/n HT20/HT40<br>WLAN 11ac VHT20/VHT40/VHT80<br>WLAN 11ax HE20/HE40/HE80<br>Bluetooth BR/EDR/LE |
| HW Version                      | DVT2  |
| EUT Stage                       | Identical Prototype   |

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

| Accessory List |                                 |
|----------------|---------------------------------|
| AC Adapter 1   | Brand Name : Motorola           |
|                | Model Name : SC-51 (SA18C30116) |
|                | Manufacturer : Chenyang         |
| AC Adapter 2   | Brand Name : Motorola           |
|                | Model Name : SC-51 (SA18C62985) |
|                | Manufacturer : Acbel            |
| Battery        | Brand Name : ATL                |
|                | Model Name : LW50               |
| USB Cable 1    | Brand Name : Motorola           |
|                | Model Name : SC18C24367         |
|                | Manufacturer : Saibao           |
| USB Cable 2    | Brand Name : Motorola           |
|                | Model Name : SC18C24368         |
|                | Manufacturer : Luxshare         |



### 1.2 Product Specification of Equipment Under Test

| Standards-related Product Specification        |   |
|--|---|
| Tx/Rx Frequency Range                          | 5180 MHz ~ 5240 MHz<br>5260 MHz ~ 5320 MHz<br>5500 MHz ~ 5720 MHz   |
| Maximum Output Power to Antenna<br><CDD Modes> | <p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b></p> <p><b>&lt;Ant. 1&gt;</b><br/> 802.11a : 17.20 dBm / 0.0525 W<br/> 802.11n HT20 : 16.80 dBm / 0.0479 W<br/> 802.11n HT40 : 16.90 dBm / 0.0490 W<br/> 802.11ac VHT20: 17.10 dBm / 0.0513 W<br/> 802.11ac VHT40: 17.00 dBm / 0.0501 W<br/> 802.11ac VHT80: 14.60 dBm / 0.0288 W<br/> 802.11ax HE20 : 17.00 dBm / 0.0501 W<br/> 802.11ax HE40 : 17.20 dBm / 0.0525 W<br/> 802.11ax HE80 : 14.70 dBm / 0.0295 W</p> <p><b>&lt;Ant. 2&gt;</b><br/> 802.11a : 17.10 dBm / 0.0513 W<br/> 802.11n HT20 : 17.00 dBm / 0.0501 W<br/> 802.11n HT40 : 16.80 dBm / 0.0479 W<br/> 802.11ac VHT20: 17.10 dBm / 0.0513 W<br/> 802.11ac VHT40: 16.90 dBm / 0.0490 W<br/> 802.11ac VHT80: 14.90 dBm / 0.0309 W<br/> 802.11ax HE20 : 16.80 dBm / 0.0479 W<br/> 802.11ax HE40 : 17.20 dBm / 0.0525 W<br/> 802.11ax HE80 : 14.80 dBm / 0.0302 W</p> <p><b>MIMO &lt;Ant. 1 + 2&gt;</b><br/> 802.11a : 20.23 dBm / 0.1054 W<br/> 802.11n HT20 : 20.18 dBm / 0.1042 W<br/> 802.11n HT40 : 19.74 dBm / 0.0942 W<br/> 802.11ac VHT20: 20.24 dBm / 0.1057 W<br/> 802.11ac VHT40: 19.80 dBm / 0.0955 W<br/> 802.11ac VHT80: 17.94 dBm / 0.0622 W<br/> 802.11ax HE20 : 20.00 dBm / 0.1000 W<br/> 802.11ax HE40 : 19.95 dBm / 0.0989 W<br/> 802.11ax HE80 : 17.84 dBm / 0.0608 W</p> |



| Standards-related Product Specification                      |                                      |
|--|--------------------------------------|
| <b>Maximum Output Power to Antenna<br/>&lt;CDD Modes&gt;</b> | <b>&lt;5260 MHz ~ 5320 MHz&gt;</b>   |
|  | <b>&lt;Ant. 1&gt;</b>                |
|  | 802.11a : 17.20 dBm / 0.0525 W       |
|  | 802.11n HT20 : 16.90 dBm / 0.0490 W  |
|  | 802.11n HT40 : 16.90 dBm / 0.0490 W  |
|  | 802.11ac VHT20: 17.00 dBm / 0.0501 W |
|  | 802.11ac VHT40: 17.00 dBm / 0.0501 W |
|  | 802.11ac VHT80: 15.00 dBm / 0.0316 W |
|  | 802.11ax HE20 : 17.00 dBm / 0.0501 W |
|  | 802.11ax HE40 : 17.00 dBm / 0.0501 W |
|  | 802.11ax HE80 : 14.60 dBm / 0.0288 W |
|  | <b>&lt;Ant. 2&gt;</b>                |
|  | 802.11a : 17.20 dBm / 0.0525 W       |
|  | 802.11n HT20 : 17.00 dBm / 0.0501 W  |
|  | 802.11n HT40 : 17.00 dBm / 0.0501 W  |
|  | 802.11ac VHT20: 17.10 dBm / 0.0513 W |
|  | 802.11ac VHT40: 17.10 dBm / 0.0513 W |
|  | 802.11ac VHT80: 15.30 dBm / 0.0339 W |
|  | 802.11ax HE20 : 16.90 dBm / 0.0490 W |
|  | 802.11ax HE40 : 17.00 dBm / 0.0501 W |
| 802.11ax HE80 : 14.60 dBm / 0.0288 W                         |                                      |
| <b>MIMO &lt;Ant. 1 + 2&gt;</b>                               |                                      |
| 802.11a : 20.27 dBm / 0.1064 W                               |                                      |
| 802.11n HT20 : 20.11 dBm / 0.1026 W                          |                                      |
| 802.11n HT40 : 20.12 dBm / 0.1028 W                          |                                      |
| 802.11ac VHT20: 20.17 dBm / 0.1040 W                         |                                      |
| 802.11ac VHT40: 20.18 dBm / 0.1042 W                         |                                      |
| 802.11ac VHT80: 18.38 dBm / 0.0689 W                         |                                      |
| 802.11ax HE20 : 19.94 dBm / 0.0986 W                         |                                      |
| 802.11ax HE40 : 19.91 dBm / 0.0979 W                         |                                      |
| 802.11ax HE80 : 17.66 dBm / 0.0583 W                         |                                      |



| Standards-related Product Specification                              |   |
|--|---|
| <p><b>Maximum Output Power to Antenna<br/>&lt;CDD Modes&gt;</b></p>  | <p><b>&lt;5500 MHz ~ 5700 MHz&gt;</b><br/> <b>&lt;Ant. 1&gt;</b><br/>           802.11a : 17.10 dBm / 0.0513 W<br/>           802.11n HT20 : 17.10 dBm / 0.0513 W<br/>           802.11n HT40 : 17.00 dBm / 0.0501 W<br/>           802.11ac VHT20: 17.30 dBm / 0.0537 W<br/>           802.11ac VHT40: 17.00 dBm / 0.0501 W<br/>           802.11ac VHT80: 17.00 dBm / 0.0501 W<br/>           802.11ax HE20 : 16.90 dBm / 0.0490 W<br/>           802.11ax HE40 : 17.00 dBm / 0.0501 W<br/>           802.11ax HE80 : 16.90 dBm / 0.0490 W<br/> <b>&lt;Ant. 2&gt;</b><br/>           802.11a : 17.00 dBm / 0.0501 W<br/>           802.11n HT20 : 17.10 dBm / 0.0513 W<br/>           802.11n HT40 : 16.90 dBm / 0.0490 W<br/>           802.11ac VHT20: 17.20 dBm / 0.0525 W<br/>           802.11ac VHT40: 17.00 dBm / 0.0501 W<br/>           802.11ac VHT80: 16.80 dBm / 0.0479 W<br/>           802.11ax HE20 : 17.00 dBm / 0.0501 W<br/>           802.11ax HE40 : 17.00 dBm / 0.0501 W<br/>           802.11ax HE80 : 17.00 dBm / 0.0501 W<br/> <b>MIMO &lt;Ant. 1 + 2&gt;</b><br/>           802.11a : 20.27 dBm / 0.1064 W<br/>           802.11n HT20 : 20.22 dBm / 0.1052 W<br/>           802.11n HT40 : 19.98 dBm / 0.0995 W<br/>           802.11ac VHT20: 20.28 dBm / 0.1067 W<br/>           802.11ac VHT40: 20.00 dBm / 0.1000 W<br/>           802.11ac VHT80: 20.04 dBm / 0.1009 W<br/>           802.11ax HE20 : 20.21 dBm / 0.1050 W<br/>           802.11ax HE40 : 20.06 dBm / 0.1014 W<br/>           802.11ax HE80 : 19.94 dBm / 0.0986 W</p> |
| <p><b>Maximum Output Power to Antenna<br/>&lt;TXBF Modes&gt;</b></p> | <p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b><br/> <b>MIMO &lt;Ant. 1 + 2&gt;</b><br/>           802.11ac VHT20: 19.12 dBm / 0.0817 W<br/>           802.11ac VHT40: 19.17 dBm / 0.0826 W<br/>           802.11ac VHT80: 19.27 dBm / 0.0845 W<br/>           802.11ax HE20 : 19.12 dBm / 0.0817 W<br/>           802.11ax HE40 : 19.17 dBm / 0.0826 W<br/>           802.11ax HE80 : 19.00 dBm / 0.0794 W</p>   |





| Standards-related Product Specification                     |  |
|---|--|
| <p><b>99% Occupied Bandwidth<br/>&lt;CDD Modes&gt;</b></p>  | <p><b>MIMO &lt;Ant. 1&gt;</b><br/>           802.11a : 16.43 MHz<br/>           802.11ac VHT20 : 17.63 MHz<br/>           802.11ac VHT40 : 66.73 MHz<br/>           802.11ac VHT80 : 77.20 MHz<br/>           802.11ax HE20 : 19.08 MHz<br/>           802.11ax HE40 : 43.16 MHz<br/>           802.11ax HE80 : 77.80 MHz</p> <p><b>MIMO &lt;Ant. 2&gt;</b><br/>           802.11a : 19.78 MHz<br/>           802.11ac VHT20 : 19.33 MHz<br/>           802.11ac VHT40 : 67.93 MHz<br/>           802.11ac VHT80 : 98.78 MHz<br/>           802.11ax HE20 : 23.08 MHz<br/>           802.11ax HE40 : 73.53 MHz<br/>           802.11ax HE80 : 104.30 MHz</p> |
| <p><b>99% Occupied Bandwidth<br/>&lt;TXBF Modes&gt;</b></p> | <p><b>MIMO &lt;Ant. 1&gt;</b><br/>           802.11ac VHT20 : 17.88 MHz<br/>           802.11ac VHT40 : 36.66 MHz<br/>           802.11ac VHT80 : 77.80 MHz<br/>           802.11ax HE20 : 17.83 MHz<br/>           802.11ax HE40 : 36.96 MHz<br/>           802.11ax HE80 : 77.56 MHz</p> <p><b>MIMO &lt;Ant. 2&gt;</b><br/>           802.11ac VHT20 : 17.88 MHz<br/>           802.11ac VHT40 : 36.96 MHz<br/>           802.11ac VHT80 : 76.96 MHz<br/>           802.11ax HE20 : 17.78 MHz<br/>           802.11ax HE40 : 36.76 MHz<br/>           802.11ax HE80 : 82.00 MHz</p>  |
| <p><b>Type of Modulation</b></p>                            | <p>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)<br/>           802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)<br/>           802.11ax: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)</p>   |



| Standards-related Product Specification |  |        |        |
|---|--|--------|--------|
| <b>Antenna Type / Gain</b>              | <b>&lt;5180 MHz ~ 5240 MHz&gt;</b>   |        |        |
|   | Ant. 1 : ILA Antenna with gain 1.50 dBi<br>Ant. 2 : ILA Antenna with gain 1.30 dBi |        |        |
| <b>Antenna Type / Gain</b>              | <b>&lt;5260 MHz ~ 5320 MHz&gt;</b>   |        |        |
|   | Ant. 1 : ILA Antenna with gain 1.50 dBi<br>Ant. 2 : ILA Antenna with gain 1.30 dBi |        |        |
| <b>Antenna Type / Gain</b>              | <b>&lt;5500 MHz ~ 5700 MHz &gt;</b>  |        |        |
|   | Ant. 1 : ILA Antenna with gain 1.50 dBi<br>Ant. 2 : ILA Antenna with gain 1.30 dBi |        |        |
| <b>Antenna Function Description</b>     |  | Ant. 1 | Ant. 2 |
|   | 802.11 a/n/ac/ax   | V      | V      |
|   | 802.11 a/n/ac/ax MIMO  | V      | V      |
|   | 802.11 ac/ax TXBF  | V      | V      |

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

### 1.3 Modification of EUT

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



### 1.4 Testing Location

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

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

FCC designation No.: TW1190 and TW0007

### 1.5 Applicable Standards

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

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

**Remark:**

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



## 2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (For B1: X Plane for 802.11ax TXBF Mode, Y plane for 802.11 a/n/ac and TXBF Mode, Z Plane for 802.11ax Mode; For B2~3: Y plane for 802.11 a/n/ac and WPC Mode, Z Plane for 802.11ax 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) |
|---------------------------------------|------------------|-------------|---------|-------------|
| 5150-5250 MHz<br>Band 1<br>(U-NII-1)  | 36               | 5180        | 44      | 5220        |
|                                       | 38*              | 5190        | 46*     | 5230        |
|                                       | 40               | 5200        | 48      | 5240        |
|                                       | 42 <sup>#</sup>  | 5210        |         |             |
| 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        |         |             |
| 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        |

Note:

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

## 2.2 Test Mode

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

### MIMO Mode

| Modulation                      | Data Rate |
|---------------------------------|-----------|
| 802.11a                         | 6 Mbps    |
| 802.11n HT20 (Covered by VHT20) | MCS0      |
| 802.11n HT40 (Covered by VHT40) | MCS0      |
| 802.11ac VHT20                  | MCS0      |
| 802.11ac VHT40                  | MCS0      |
| 802.11ac VHT80                  | MCS0      |
| 802.11ax HE20                   | MCS0      |
| 802.11ax HE40                   | MCS0      |
| 802.11ax HE80                   | MCS0      |

### TXBF Mode

| Modulation     | Data Rate |
|----------------|-----------|
| 802.11ac VHT20 | MCS0      |
| 802.11ac VHT40 | MCS0      |
| 802.11ac VHT80 | MCS0      |
| 802.11ax HE20  | MCS0      |
| 802.11ax HE40  | MCS0      |
| 802.11ax HE80  | MCS0      |



| <b>Test Cases</b>  |   |
|--|---|
| <b>AC<br/>Conducted<br/>Emission</b>   | Mode 1 : GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + MPEG4 + Earphone + Battery + USB Cable 1 (Charging from Adapter 1) |
| <b>Remark:</b> For Radiated Test Cases, the tests were performed with Adapter 1 and USB Cable 1. |   |

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

| Ch. # |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|-------|--------|------------------------|-------------------------|-------------------------|
|       |        | 802.11ac VHT20         | 802.11ac VHT20          | 802.11ac VHT20          |
| L     | Low    | 36                     | 52                      | 100                     |
| M     | Middle | 44                     | 60                      | 116                     |
| H     | High   | 48                     | 64                      | 140                     |

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

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



| Ch. # |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|-------|--------|------------------------|-------------------------|-------------------------|
|       |        | 802.11ax HE20          | 802.11ax HE20           | 802.11ax HE20           |
| L     | Low    | 36                     | 52                      | 100                     |
| M     | Middle | 44                     | 60                      | 116                     |
| H     | High   | 48                     | 64                      | 140                     |

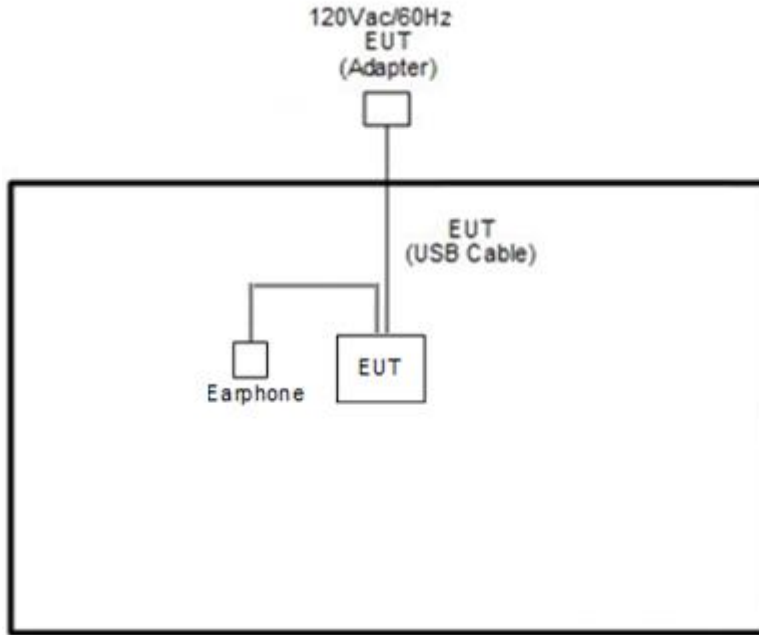
| Ch. # |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|-------|--------|------------------------|-------------------------|-------------------------|
|       |        | 802.11ax HE40          | 802.11ax HE40           | 802.11ax HE40           |
| L     | Low    | 38                     | 54                      | 102                     |
| M     | Middle | -                      | -                       | 110                     |
| H     | High   | 46                     | 62                      | 134                     |

| Ch. # |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|-------|--------|------------------------|-------------------------|-------------------------|
|       |        | 802.11ax HE80          | 802.11ax HE80           | 802.11ax HE80           |
| L     | Low    | -                      | -                       | 106                     |
| M     | Middle | 42                     | 58                      | -                       |
| H     | High   | -                      | -                       | 122                     |

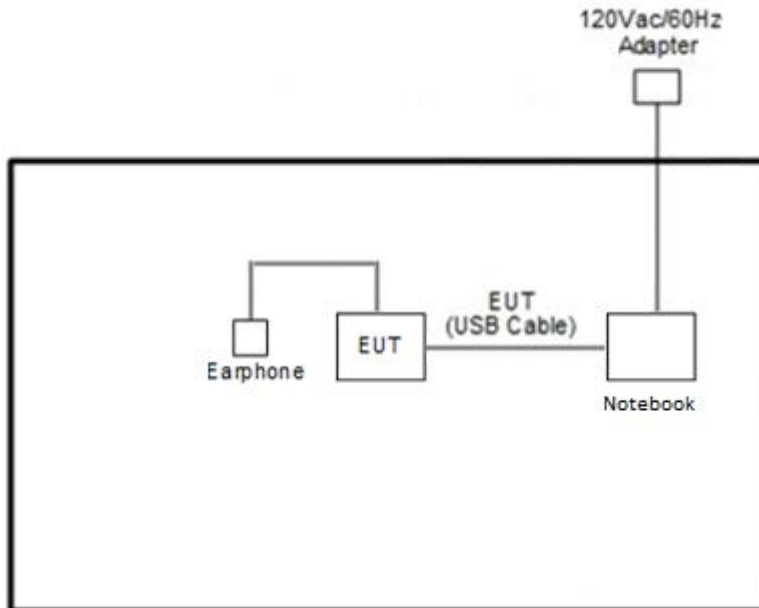
**Remark:** For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

## 2.3 Connection Diagram of Test System

<WLAN Tx Mode>

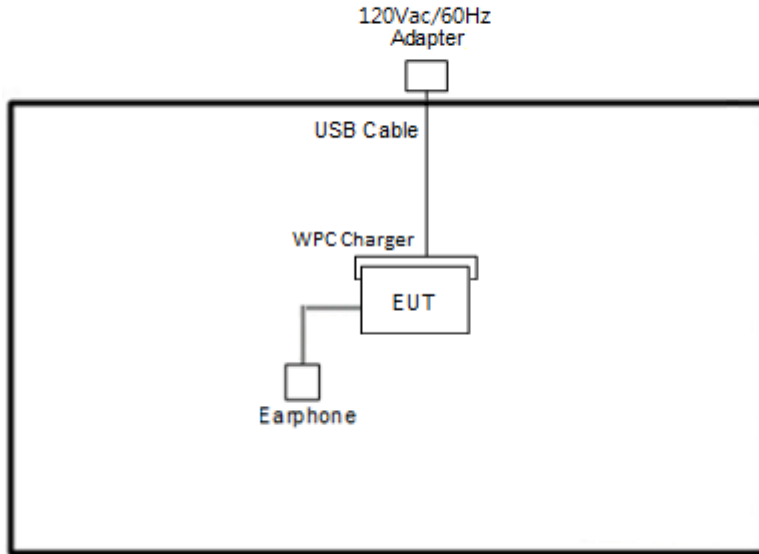


<TXBF Mode>

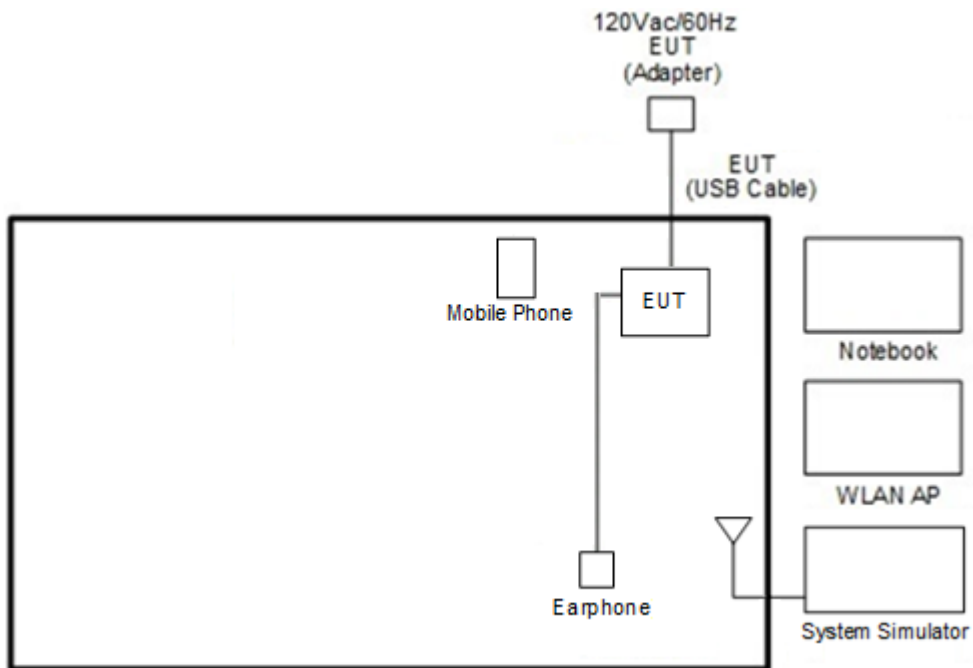




<WPC Mode>



<AC Conducted Emission Mode>



## 2.4 Support Unit used in test configuration and system

| Item | Equipment              | Trade Name | Model Name     | FCC ID      | Data Cable        | Power Cord   |
|------|------------------------|------------|----------------|-------------|-------------------|--|
| 1.   | System Simulator       | R&S        | CMU 200        | N/A         | N/A               | Unshielded, 1.8 m  |
| 2.   | WLAN AP                | ASUS       | RT-AC66U       | MSQ-RTAC66U | N/A               | Unshielded, 1.8 m  |
| 3.   | Notebook               | DELL       | Latitude E3400 | FCC DoC     | N/A               | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 4.   | Mobile Phone           | Moto       | moto burton    | N/A         | N/A               | N/A  |
| 5.   | Earphone               | Moto       | NASH38C16618   | N/A         | Unshielded, 1.0 m | N/A  |
| 6.   | Wireless Charger Stand | Samsung    | EP-N5200       | N/A         | N/A               | N/A  |
| 7.   | Adapter                | N/A        | N/A            | N/A         | N/A               | N/A  |
| 8.   | USB Cable              | N/A        | N/A            | N/A         | N/A               | N/A  |

## 2.5 EUT Operation Test Setup

The RF test items, utility “QRCT v4.0.00142.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

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 “QRCT V4.0.00142.0” 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.

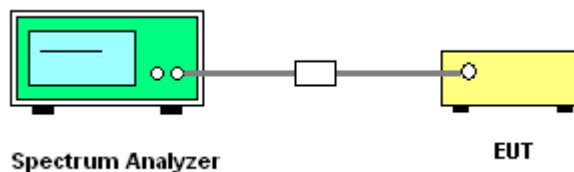
##### 3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

##### 3.1.3 Test Procedures

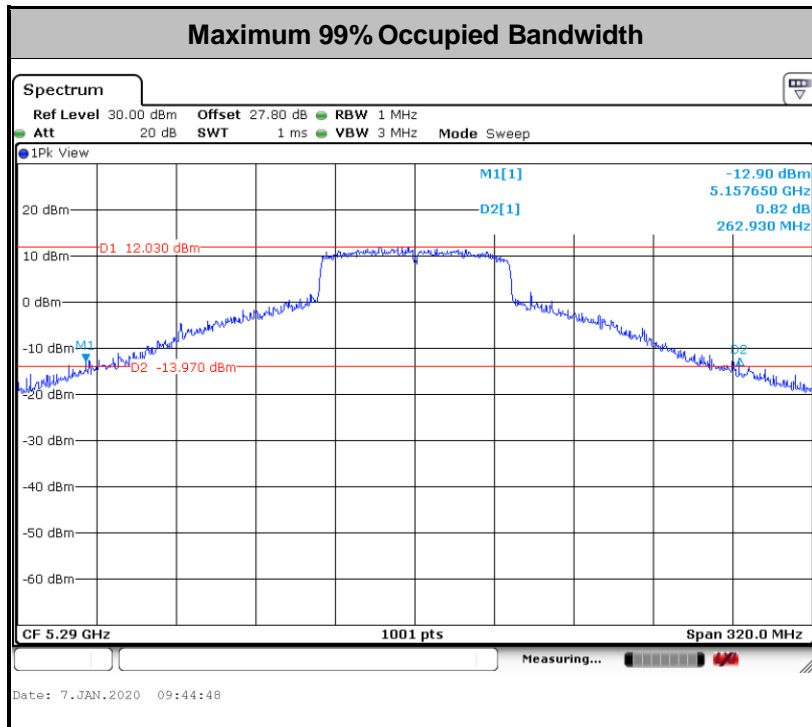
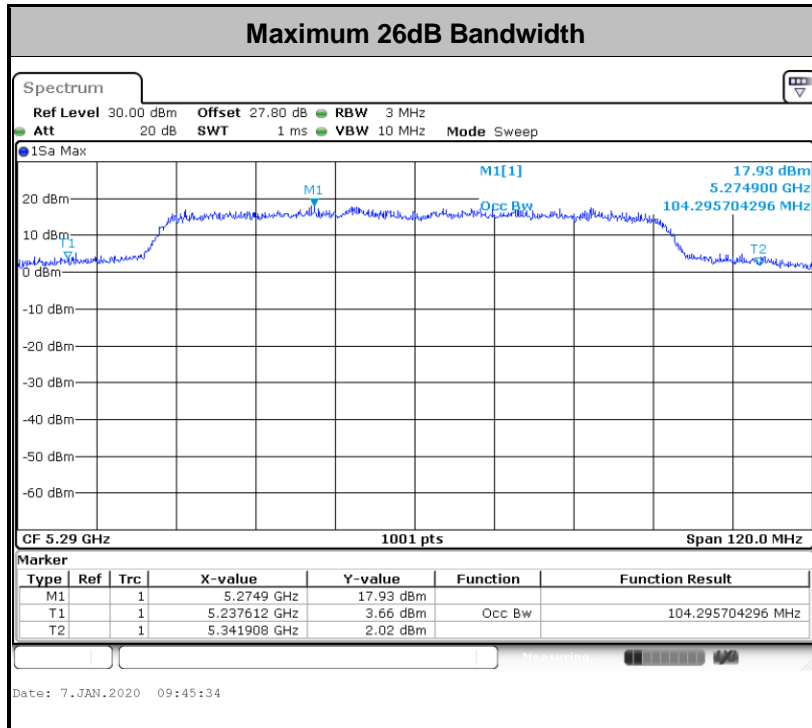
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

##### 3.1.4 Test Setup



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

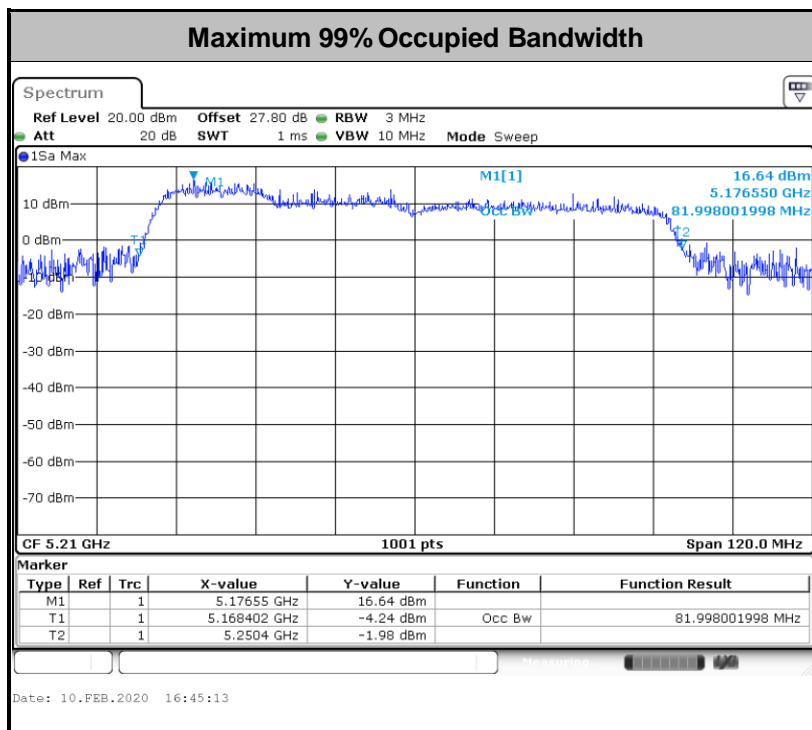
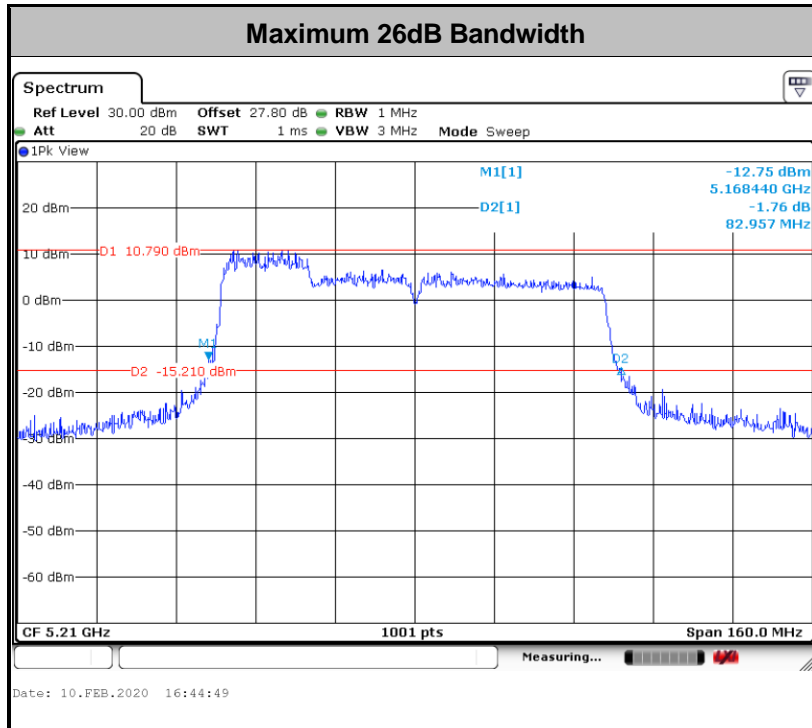
Please refer to Appendix A.



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



<TXBF Modes>



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



## 3.2 Maximum Conducted Output Power Measurement

### 3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

**For the 5.15–5.25 GHz bands:**

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

**For the 5.25–5.725 GHz bands:**

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

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

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

### 3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

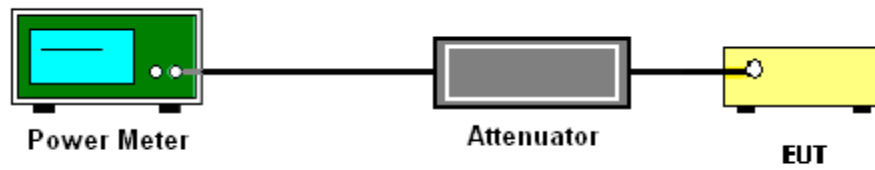
### 3.2.3 Test Procedures

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

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

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

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



### 3.3 Power Spectral Density Measurement

#### 3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

**For the 5.15–5.25 GHz bands:**

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

**For the 5.25–5.725 GHz bands:**

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

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

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

#### 3.3.2 Measuring Instruments

See list of measuring equipment of this test report.





### 3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.  
Section F) Maximum power spectral density.

#### # Method SA-3 #

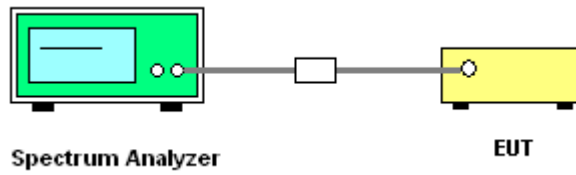
(power averaging (rms) detection with max hold):

- 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 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

### 3.3.4 Test Setup

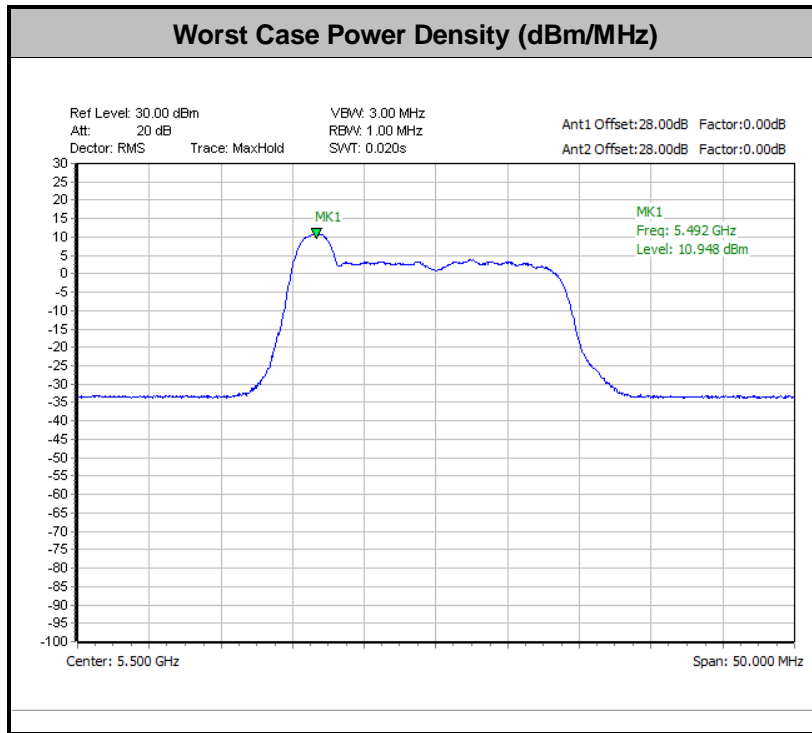


### 3.3.5 Test Result of Power Spectral Density

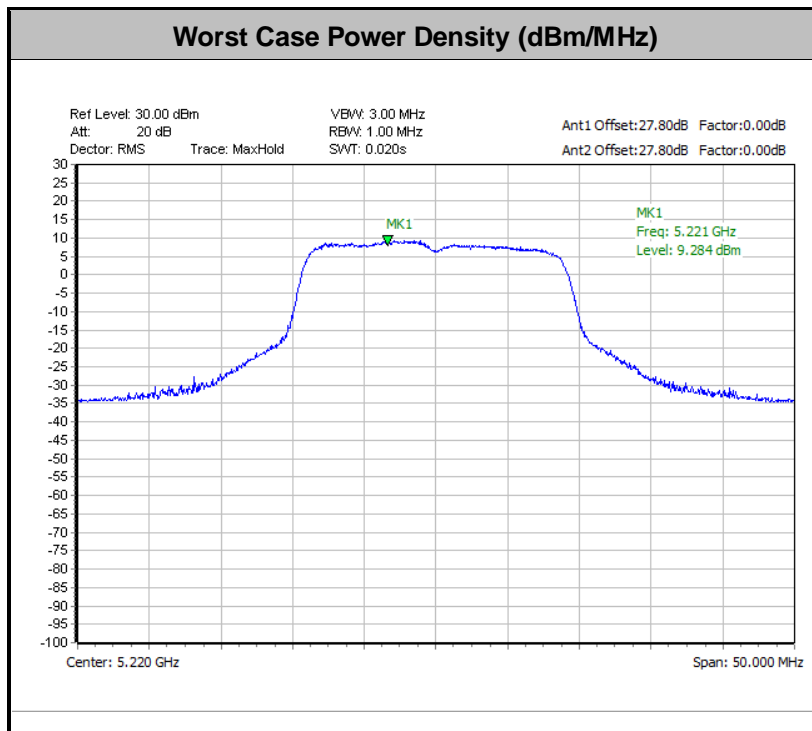
Please refer to Appendix A.



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

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

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



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

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

- (i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit 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.
- (ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

### 3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

### 3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

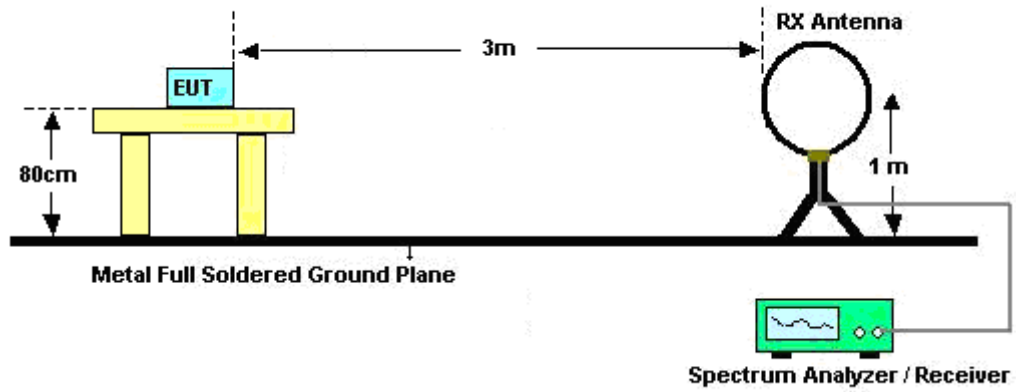


(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

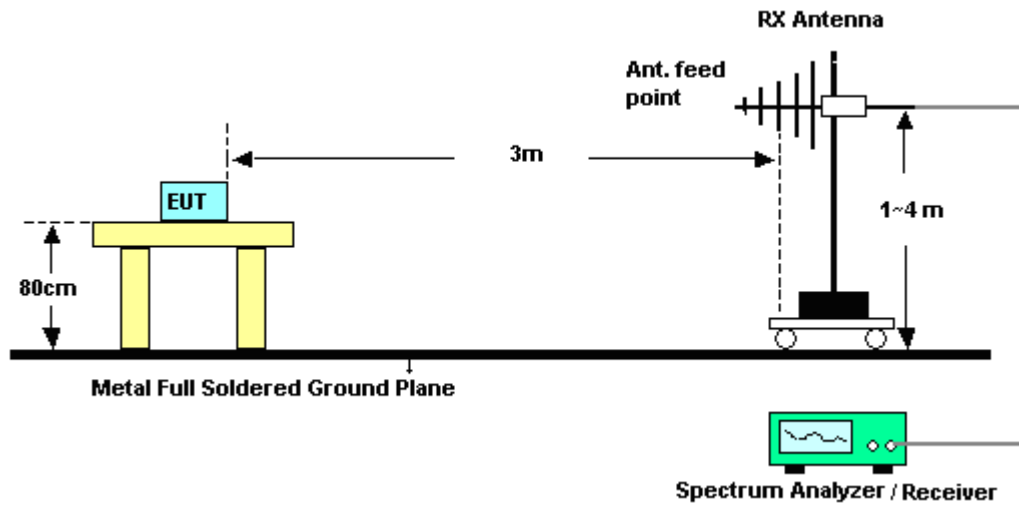
### 3.4.4 Test Setup

For radiated emissions below 30MHz

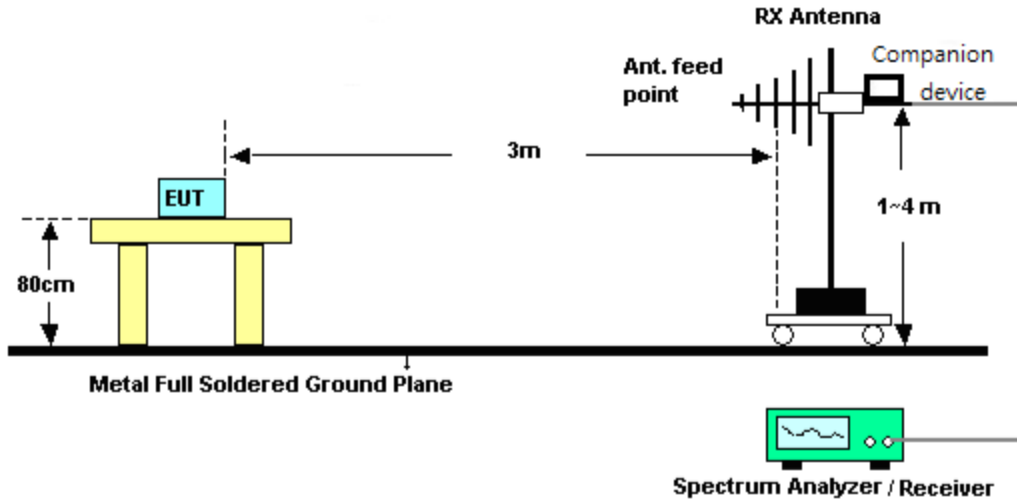


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

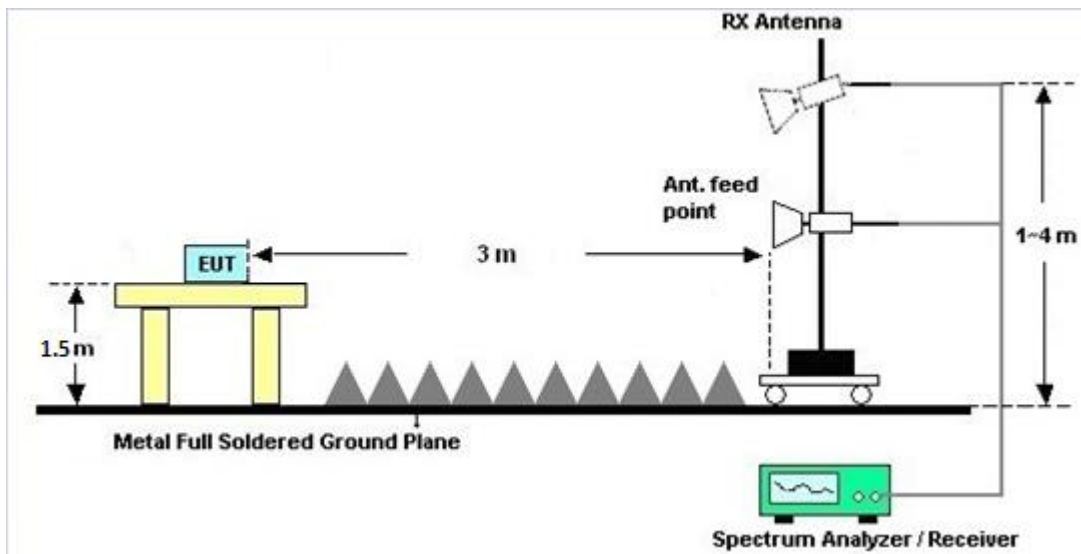


<TXBF Modes>

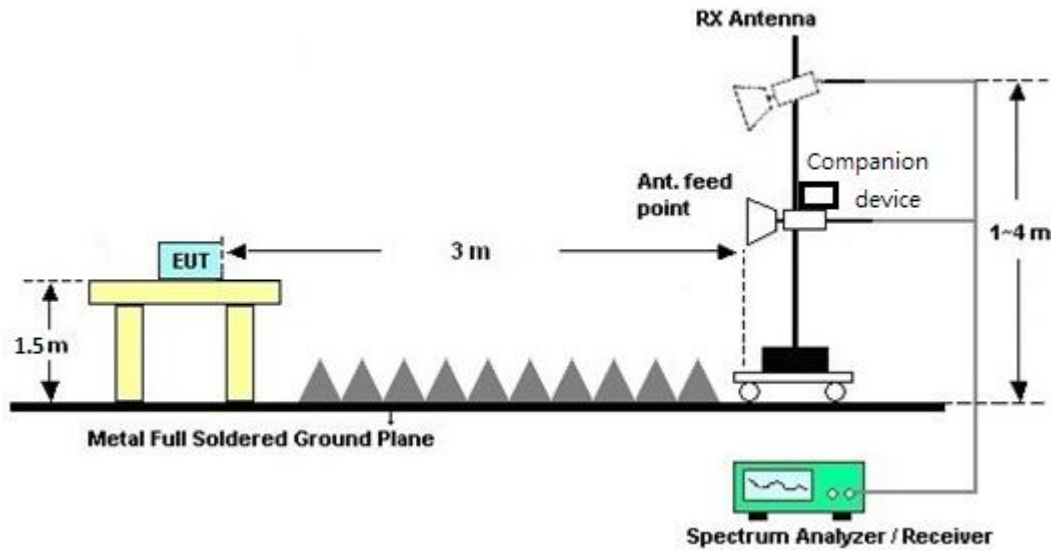


For radiated emissions above 1GHz

<CDD Mode>





**<TXBF Modes>****3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)**

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

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

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

Please refer to Appendix C and D.

**3.4.7 Duty Cycle**

Please refer to Appendix E.

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

Please refer to Appendix C and D.



### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

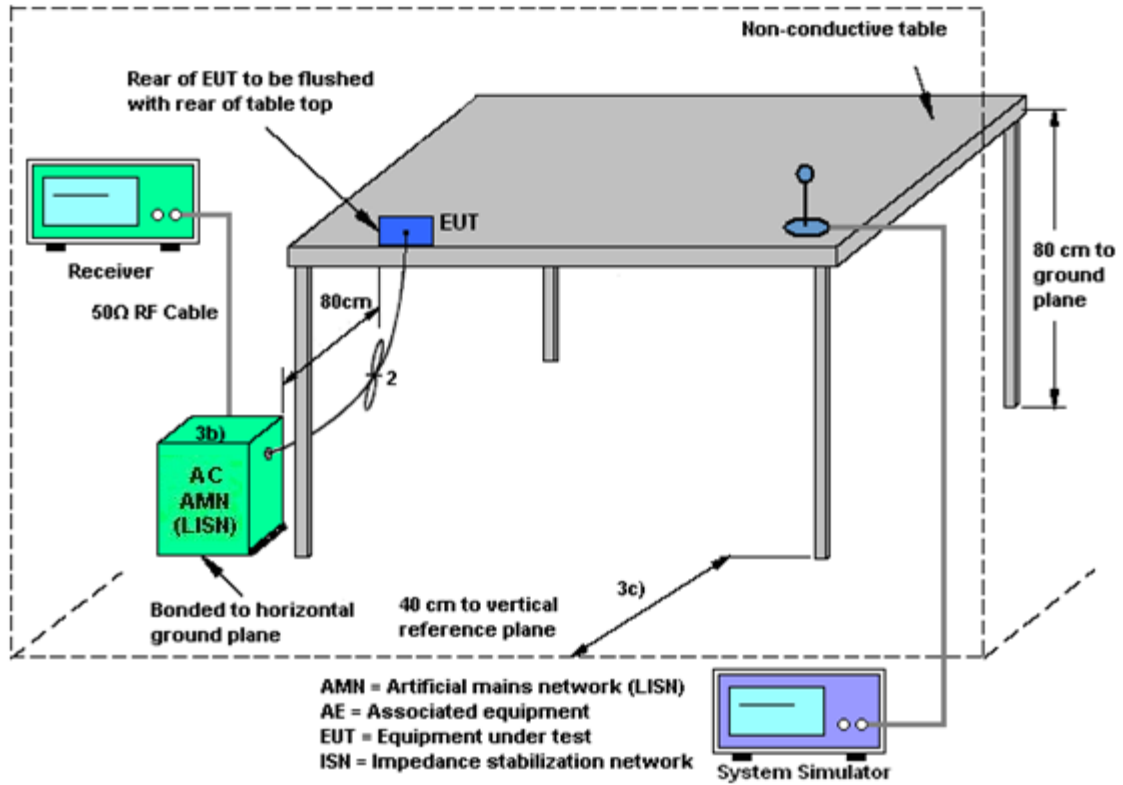
#### 3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



### 3.6 Automatically Discontinue Transmission

#### 3.6.1 Limit of Automatically Discontinue Transmission

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

#### 3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.6.3 Test Result of Automatically Discontinue Transmission

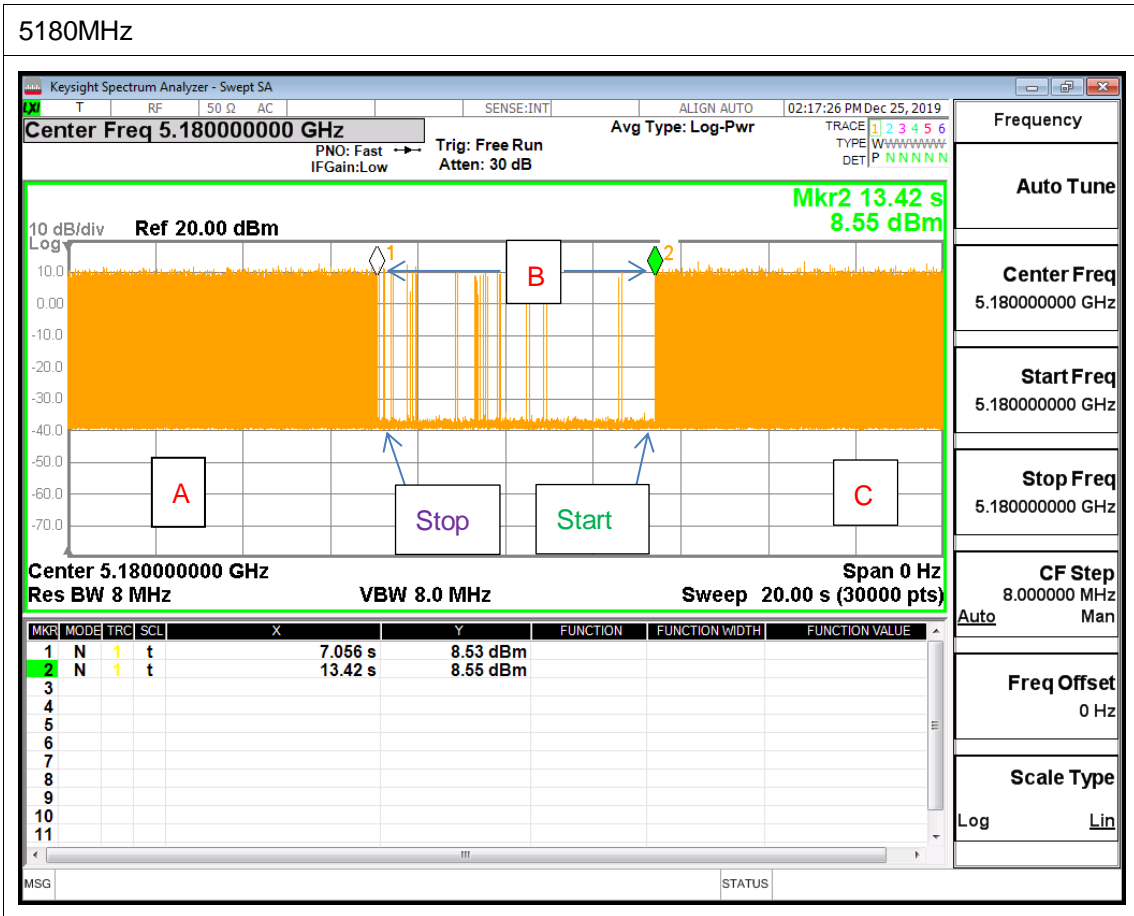
EUT is verified this characteristic during the function check of normal sample associated with an access point:

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

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

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

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



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



### 3.7 Antenna Requirements

#### 3.7.1 Standard Applicable

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

#### 3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

#### 3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

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

The EUT supports CDD mode.

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

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

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

The directional gain “DG” is calculated as following table.

| <CDD Modes> |                 |                 |                             |                           |                                     |                                   |
|-------------|-----------------|-----------------|-----------------------------|---------------------------|-------------------------------------|-----------------------------------|
|             |                 |                 | DG<br>for<br>Power<br>(dBi) | DG<br>for<br>PSD<br>(dBi) | Power<br>Limit<br>Reduction<br>(dB) | PSD<br>Limit<br>Reduction<br>(dB) |
|             | Ant. 1<br>(dBi) | Ant. 2<br>(dBi) |                             |                           |                                     |                                   |
| Band I      | 1.50            | 1.30            | 1.50                        | 4.41                      | 0.00                                | 0.00                              |
| Band II     | 1.50            | 1.30            | 1.50                        | 4.41                      | 0.00                                | 0.00                              |
| Band III    | 1.50            | 1.30            | 1.50                        | 4.41                      | 0.00                                | 0.00                              |

*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 F)2)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.

|                 |       |       | DG    | DG    | Power     | PSD       |
|-----------------|-------|-------|-------|-------|-----------|-----------|
|                 |       |       | for   | for   | Limit     | Limit     |
|                 | Ant 1 | Ant 2 | Power | PSD   | Reduction | Reduction |
|                 | (dBi) | (dBi) | (dBi) | (dBi) | (dB)      | (dB)      |
| <b>Band I</b>   | 1.50  | 1.30  | 4.41  | 4.41  | 0.00      | 0.00      |
| <b>Band II</b>  | 1.50  | 1.30  | 4.41  | 4.41  | 0.00      | 0.00      |
| <b>Band III</b> | 1.50  | 1.30  | 4.41  | 4.41  | 0.00      | 0.00      |

$$Power\ Limit\ Reduction = DG(Power) - 6dBi, (min = 0)$$

$$PSD\ Limit\ Reduction = DG(PSD) - 6dBi, (min = 0)$$



## 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              | Jan. 07, 2020                   | N/A           | Conduction (CO05-HY) |
| EMI Test Receiver     | Rohde & Schwarz | ESR3         | 102388            | 9kHz~3.6GHz     | Nov. 15, 2019    | Jan. 07, 2020                   | Nov. 14, 2020 | Conduction (CO05-HY) |
| Hygrometer            | Testo           | 608-H1       | 34913912          | N/A             | Mar. 19, 2019    | Jan. 07, 2020                   | Mar. 18, 2020 | Conduction (CO05-HY) |
| LISN                  | Rohde & Schwarz | ENV216       | 100081            | 9kHz~30MHz      | Nov. 15, 2019    | Jan. 07, 2020                   | Nov. 14, 2020 | Conduction (CO05-HY) |
| Software              | Rohde & Schwarz | EMC32 V10.30 | N/A               | N/A             | N/A              | Jan. 07, 2020                   | N/A           | Conduction (CO05-HY) |
| LF Cable              | HUBER + SUHNER  | RG-214/U     | LF01              | N/A             | Jan. 02, 2020    | Jan. 07, 2020                   | Jan. 01, 2021 | Conduction (CO05-HY) |
| Pulse Limiter         | Rohde & Schwarz | ESH3-Z2      | 100851            | N/A             | Jan. 02, 2020    | Jan. 07, 2020                   | Jan. 01, 2021 | Conduction (CO05-HY) |
| Hygrometer            | Testo           | 608-H2       | 41410069          | N/A             | Jun. 17, 2019    | Dec. 26, 2019~<br>Feb. 12, 2020 | Jun. 16, 2020 | Conducted (TH05-HY)  |
| Power Sensor          | DARE            | RPR3006W     | 16I00054S<br>NO10 | 10MHz~6GHz      | Dec. 23, 2019    | Dec. 26, 2019~<br>Feb. 12, 2020 | Dec. 22, 2020 | Conducted (TH05-HY)  |
| Signal Analyzer       | Rohde & Schwarz | FSV40        | 101566            | 10Hz~40GHz      | Jul. 15, 2019    | Dec. 26, 2019~<br>Feb. 12, 2020 | Jul. 14, 2020 | Conducted (TH05-HY)  |
| Power Supply          | GW Instek       | SPS-606      | GES84293<br>1     | NA              | Aug. 19, 2019    | Dec. 26, 2019~<br>Feb. 12, 2020 | Aug. 18, 2020 | Conducted (TH05-HY)  |
| Switch Box & RF Cable | Burgeon         | ETF-058      | EC120838<br>2     | N/A             | Mar. 27, 2019    | Dec. 26, 2019~<br>Feb. 12, 2020 | Mar. 26, 2020 | Conducted (TH05-HY)  |





| Instrument           | Manufacturer      | Model No.                            | Serial No.      | Characteristics                  | Calibration Date | Test Date                       | Due Date      | Remark                   |
|----------------------|-------------------|--------------------------------------|-----------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Horn Antenna         | SCHWARZBECK       | BBHA 9120 D                          | 9120D-1241      | 1GHz ~ 18GHz                     | Jul. 02, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Jul. 01, 2020 | Radiation<br>(03CH13-HY) |
| Bilog Antenna        | TESEQ             | CBL<br>6111D&00800<br>N1D01N-06      | 40103 &<br>07   | 30MHz~1GHz                       | Apr. 30, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Apr. 29, 2020 | Radiation<br>(03CH13-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK       | BBHA 9170                            | BBHA9170<br>576 | 18GHz- 40GHz                     | May 14,2019      | Jan. 05, 2020~<br>Feb. 11, 2020 | May 13,2020   | Radiation<br>(03CH13-HY) |
| Preamplifier         | Keysight          | 83017A                               | MY532701<br>47  | 1GHz~26.5GHz                     | Mar. 15, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Mar. 14, 2020 | Radiation<br>(03CH13-HY) |
| Preamplifier         | MITEQ             | AMF-7D-0010<br>1800-30-10P           | 1590074         | 1GHz~18GHz                       | May. 20, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | May. 19, 2020 | Radiation<br>(03CH13-HY) |
| Amplifier            | Sonoma-Instrument | 310 N                                | 187282          | 9KHz~1GHz                        | Dec. 17, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Dec. 16, 2020 | Radiation<br>(03CH13-HY) |
| Preamplifier         | EMEC              | EM18G40G                             | 060715          | 18GHz ~ 40GHz                    | Dec. 13, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Dec. 12, 2020 | Radiation<br>(03CH13-HY) |
| Hygrometer           | TECPEL            | DTM-303B                             | TP150115        | N/A                              | Nov. 08, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Nov. 07, 2020 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER + SUHNER    | SUCOFLEX<br>126E                     | 0030/126E       | 30M-18G                          | Feb. 13, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Feb. 12, 2020 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER + SUHNER    | SUCOFLEX<br>104                      | 804793/4        | 30M-18G                          | Feb. 13, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Feb. 12, 2020 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER + SUHNER    | SUCOFLEX<br>104                      | MY24961/<br>4   | 30M-18G                          | Feb. 13, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Feb. 12, 2020 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER + SUHNER    | SUCOFLEX<br>102                      | MY2859/2        | 30M~40GHz                        | Mar. 13, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Mar. 12, 2020 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER + SUHNER    | SUCOFLEX<br>102                      | MY4274/2        | 30M~40GHz                        | Mar. 13, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Mar. 12, 2020 | Radiation<br>(03CH13-HY) |
| Spectrum Analyzer    | Keysight          | N9010A                               | MY553705<br>26  | 10Hz~44GHz                       | Mar. 19, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Mar. 18, 2020 | Radiation<br>(03CH13-HY) |
| Controller           | EMEC              | EM1000                               | N/A             | Control Turn<br>table & Ant Mast | N/A              | Jan. 05, 2020~<br>Feb. 11, 2020 | N/A           | Radiation<br>(03CH13-HY) |
| Antenna Mast         | EMEC              | AM-BS-4500-<br>B                     | N/A             | 1m~4m                            | N/A              | Jan. 05, 2020~<br>Feb. 11, 2020 | N/A           | Radiation<br>(03CH13-HY) |
| Turn Table           | EMEC              | TT2000                               | N/A             | 0~360 Degree                     | N/A              | Jan. 05, 2020~<br>Feb. 11, 2020 | N/A           | Radiation<br>(03CH13-HY) |
| Software             | AUDIX             | E3<br>6.2009-8-24c                   | RK-001124       | N/A                              | N/A              | Jan. 05, 2020~<br>Feb. 11, 2020 | N/A           | Radiation<br>(03CH13-HY) |
| EMI Test Receiver    | Keysight          | N9038A<br>(MXE)                      | MY541300<br>85  | 20Hz ~ 8.4GHz                    | Nov. 01, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Oct. 31, 2020 | Radiation<br>(03CH13-HY) |
| Filter               | Wainwright        | WHKX12-270<br>0-3000-18000<br>-60SS  | SN2             | 3GHz High Pass<br>Filter         | Jul. 14, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Jul. 13, 2020 | Radiation<br>(03CH13-HY) |
| Filter               | Wainwright        | WLK4-1000-1<br>530-8000-40S<br>S     | SN12            | 1.53GHz Low<br>Pass Filter       | Sep. 16, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Sep. 15, 2020 | Radiation<br>(03CH13-HY) |
| Filter               | Wainwright        | WHKX8-5872.<br>5-6750-18000<br>-40ST | SN5             | 6.75GHz High<br>Pass Filter      | Mar. 13, 2019    | Jan. 05, 2020~<br>Feb. 11, 2020 | Mar. 12, 2020 | Radiation<br>(03CH13-HY) |



| Instrument           | Manufacturer       | Model No.                            | Serial No.          | Characteristics                  | Calibration Date | Test Date                       | Due Date      | Remark                   |
|----------------------|--------------------|--------------------------------------|---------------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Preamplifier         | EMCE               | EMC184045B                           | 980192              | 18GHz ~ 40GHz                    | Aug. 01, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Jul. 31, 2020 | Radiation<br>(03CH11-HY) |
| Amplifier            | SONOMA             | 310N                                 | 187312              | 9kHz~1GHz                        | Dec. 03, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Dec. 02, 2020 | Radiation<br>(03CH11-HY) |
| Bilog Antenna        | TESEQ              | CBL 6111D &<br>N-6-06                | 35414 &<br>AT-N0602 | 30MHz~1GHz                       | Oct. 12, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Oct. 11, 2020 | Radiation<br>(03CH11-HY) |
| Horn Antenna         | SCHWARZBE<br>CK    | BBHA 9120<br>D                       | 9120D-132<br>6      | 1GHz ~ 18GHz                     | Nov. 04, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Nov. 03, 2020 | Radiation<br>(03CH11-HY) |
| Loop Antenna         | Rohde &<br>Schwarz | HFH2-Z2                              | 100488              | 9 kHz~30 MHz                     | Jan. 09, 2020    | Jan. 16, 2020~<br>Feb. 11, 2020 | Jan. 08, 2021 | Radiation<br>(03CH11-HY) |
| Preamplifier         | Keysight           | 83017A                               | MY532700<br>80      | 1GHz~26.5GHz                     | Nov. 13, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Nov. 12, 2020 | Radiation<br>(03CH11-HY) |
| Spectrum Analyzer    | Keysight           | N9010A                               | MY542004<br>86      | 10Hz ~ 44GHz                     | Oct. 28, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Oct. 27, 2020 | Radiation<br>(03CH11-HY) |
| Controller           | EMEC               | EM 1000                              | N/A                 | Control Turn<br>table & Ant Mast | N/A              | Jan. 16, 2020~<br>Feb. 11, 2020 | N/A           | Radiation<br>(03CH11-HY) |
| Antenna Mast         | EMEC               | AM-BS-4500-<br>B                     | N/A                 | 1~4m                             | N/A              | Jan. 16, 2020~<br>Feb. 11, 2020 | N/A           | Radiation<br>(03CH11-HY) |
| Turn Table           | EMEC               | TT 2000                              | N/A                 | 0~360 Degree                     | N/A              | Jan. 16, 2020~<br>Feb. 11, 2020 | N/A           | Radiation<br>(03CH11-HY) |
| Preamplifier         | Jet-Power          | JPA00101800<br>-30-10P               | 160118000<br>2      | 1GHz~18GHz                       | Aug. 01, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Jul. 31, 2020 | Radiation<br>(03CH11-HY) |
| Preamplifier         | Jet-Power          | JAP00101800<br>-30-10P               | 160118550<br>004    | 1GHz~18GHz                       | Apr. 16, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Apr. 15, 2020 | Radiation<br>(03CH11-HY) |
| SHF-EHF Horn Antenna | SCHWARZBE<br>CK    | BBHA 9170                            | BBHA9170<br>576     | 18GHz- 40GHz                     | May 14, 2019     | Jan. 16, 2020~<br>Feb. 11, 2020 | May 13, 2020  | Radiation<br>(03CH11-HY) |
| EMI Test Receiver    | Keysight           | N9038A<br>(MXE)                      | MY554201<br>70      | 20MHz~8.4GHz                     | Mar. 08, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Mar. 07, 2020 | Radiation<br>(03CH11-HY) |
| Software             | Audix              | E3<br>6.2009-8-24                    | RK-00105<br>3       | N/A                              | N/A              | Jan. 16, 2020~<br>Feb. 11, 2020 | N/A           | Radiation<br>(03CH11-HY) |
| RF Cable             | HUBER +<br>SUHNER  | SUCOFLEX<br>104                      | MY9837/4<br>PE      | 9kHz-30MHz                       | Mar. 13, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Mar. 12, 2020 | Radiation<br>(03CH11-HY) |
| RF Cable             | HUBER +<br>SUHNER  | SUCOFLEX<br>102                      | MY2859/2            | 30MHz-40GHz                      | Mar. 13, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Mar. 12, 2020 | Radiation<br>(03CH11-HY) |
| RF Cable             | HUBER +<br>SUHNER  | SUCOFLEX<br>104                      | MY9837/4<br>PE      | 30M-18G                          | Mar. 13, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Mar. 12, 2020 | Radiation<br>(03CH11-HY) |
| RF Cable             | HUBER +<br>SUHNER  | SUCOFLEX<br>102                      | MY4274/2            | 30MHz-40GHz                      | Mar. 13, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Mar. 12, 2020 | Radiation<br>(03CH11-HY) |
| Filter               | Wainwright         | WLK4-1000-1<br>530-8000-40S<br>S     | SN11                | 1.53G Low Pass                   | Sep. 15, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Sep. 14, 2020 | Radiation<br>(03CH11-HY) |
| Filter               | Wainwright         | WHKX8-5872.<br>5-6750-18000<br>-40SS | SN3                 | 6.75GHz High<br>Pass             | Sep. 16, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Sep. 15, 2020 | Radiation<br>(03CH11-HY) |
| Hygrometer           | TECPEL             | DTN-303B                             | TP140325            | N/A                              | Nov. 07, 2019    | Jan. 16, 2020~<br>Feb. 11, 2020 | Nov. 06, 2020 | 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)) | 2.00 |
|---|------|

<For 03CH11-HY>

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

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

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

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

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

|   |      |
|---|------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 3.12 |
|---|------|

<For 03CH13-HY>

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

|   |      |
|---|------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 4.40 |
|---|------|

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

|   |      |
|---|------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 5.50 |
|---|------|

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

|   |      |
|---|------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 4.80 |
|---|------|

**Appendix A. Test Result of Conducted Test Items****<CDD Mode>**

|                |                                |                    |       |    |
|----------------|--------------------------------|--------------------|-------|----|
| Test Engineer: | Luffy Lin/Richard Qiu/Hank Hsu | Temperature:       | 21~25 | °C |
| Test Date:     | 2019/12/26 ~2020/02/12         | Relative Humidity: | 51~54 | %  |

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

| Band I MIMO |           |     |     |             |                     |       |                       |        |                                    |       |                                   |       |      |
|-------------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|--------|------------------------------------|-------|-----------------------------------|-------|------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |        | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | Note |
|             |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2  | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 |      |
| 11a         | 6Mbps     | 2   | 36  | 5180        | 16.38               | 18.78 | 21.78                 | 37.41  | -                                  | -     | 22.14                             |       |      |
| 11a         | 6Mbps     | 2   | 44  | 5220        | 16.38               | 18.03 | 25.33                 | 36.56  | -                                  | -     | 22.14                             |       |      |
| 11a         | 6Mbps     | 2   | 48  | 5240        | 16.43               | 19.78 | 27.42                 | 36.81  | -                                  | -     | 22.16                             |       |      |
| VHT20       | MCS0      | 2   | 36  | 5180        | 17.58               | 18.38 | 24.08                 | 37.06  | -                                  | -     | 22.45                             |       |      |
| VHT20       | MCS0      | 2   | 44  | 5220        | 17.63               | 18.23 | 26.07                 | 36.66  | -                                  | -     | 22.46                             |       |      |
| VHT20       | MCS0      | 2   | 48  | 5240        | 17.63               | 18.73 | 28.07                 | 37.06  | -                                  | -     | 22.46                             |       |      |
| VHT40       | MCS0      | 2   | 38  | 5190        | 41.56               | 66.23 | 87.60                 | 101.69 | -                                  | -     | 23.01                             |       |      |
| VHT40       | MCS0      | 2   | 46  | 5230        | 39.86               | 67.83 | 82.69                 | 101.57 | -                                  | -     | 23.01                             |       |      |
| VHT80       | MCS0      | 2   | 42  | 5210        | 77.20               | 98.78 | 169.19                | 206.30 | -                                  | -     | 23.01                             |       |      |

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

| FCC Band I single antenna |           |     |     |             |                               |       |     |                                 |       |          |       |           |
|---------------------------|-----------|-----|-----|-------------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|-----------|
| Mod.                      | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                           |           |     |     |             | Ant 1                         | Ant 2 | SUM | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| 11a                       | 6Mbps     | 1   | 36  | 5180        | 16.80                         | 17.10 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| 11a                       | 6Mbps     | 1   | 44  | 5220        | 17.10                         | 17.10 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| 11a                       | 6Mbps     | 1   | 48  | 5240        | 17.20                         | 17.00 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HT20                      | MCS0      | 1   | 36  | 5180        | 16.70                         | 16.80 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HT20                      | MCS0      | 1   | 44  | 5220        | 16.80                         | 17.00 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HT20                      | MCS0      | 1   | 48  | 5240        | 16.80                         | 16.70 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HT40                      | MCS0      | 1   | 38  | 5190        | 15.60                         | 15.60 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HT40                      | MCS0      | 1   | 46  | 5230        | 16.90                         | 16.80 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| VHT20                     | MCS0      | 1   | 36  | 5180        | 17.10                         | 16.90 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| VHT20                     | MCS0      | 1   | 44  | 5220        | 16.90                         | 17.10 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| VHT20                     | MCS0      | 1   | 48  | 5240        | 16.90                         | 16.80 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| VHT40                     | MCS0      | 1   | 38  | 5190        | 15.70                         | 15.70 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| VHT40                     | MCS0      | 1   | 46  | 5230        | 17.00                         | 16.90 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| VHT80                     | MCS0      | 1   | 42  | 5210        | 14.60                         | 14.90 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |

| FCC Band I MIMO |           |     |     |             |                               |       |       |                                 |       |          |       |           |
|-----------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                 |           |     |     |             | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| 11a             | 6Mbps     | 2   | 36  | 5180        | 17.20                         | 17.00 | 20.11 | 24.00                           |       | 1.50     |       | Pass      |
| 11a             | 6Mbps     | 2   | 44  | 5220        | 17.50                         | 16.80 | 20.17 | 24.00                           |       | 1.50     |       | Pass      |
| 11a             | 6Mbps     | 2   | 48  | 5240        | 17.60                         | 16.80 | 20.23 | 24.00                           |       | 1.50     |       | Pass      |
| HT20            | MCS0      | 2   | 36  | 5180        | 17.20                         | 16.60 | 19.92 | 24.00                           |       | 1.50     |       | Pass      |
| HT20            | MCS0      | 2   | 44  | 5220        | 17.90                         | 16.30 | 20.18 | 24.00                           |       | 1.50     |       | Pass      |
| HT20            | MCS0      | 2   | 48  | 5240        | 17.70                         | 16.00 | 19.94 | 24.00                           |       | 1.50     |       | Pass      |
| HT40            | MCS0      | 2   | 38  | 5190        | 16.30                         | 15.00 | 18.71 | 24.00                           |       | 1.50     |       | Pass      |
| HT40            | MCS0      | 2   | 46  | 5230        | 17.20                         | 16.20 | 19.74 | 24.00                           |       | 1.50     |       | Pass      |
| VHT20           | MCS0      | 2   | 36  | 5180        | 17.70                         | 16.60 | 20.20 | 24.00                           |       | 1.50     |       | Pass      |
| VHT20           | MCS0      | 2   | 44  | 5220        | 18.00                         | 16.30 | 20.24 | 24.00                           |       | 1.50     |       | Pass      |
| VHT20           | MCS0      | 2   | 48  | 5240        | 17.80                         | 16.00 | 20.00 | 24.00                           |       | 1.50     |       | Pass      |
| VHT40           | MCS0      | 2   | 38  | 5190        | 16.40                         | 15.00 | 18.77 | 24.00                           |       | 1.50     |       | Pass      |
| VHT40           | MCS0      | 2   | 46  | 5230        | 17.30                         | 16.20 | 19.80 | 24.00                           |       | 1.50     |       | Pass      |
| VHT80           | MCS0      | 2   | 42  | 5210        | 15.40                         | 14.40 | 17.94 | 24.00                           |       | 1.50     |       | Pass      |

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

| FCC Band I MIMO |           |     |     |             |                                 |       |      |                             |       |          |       |            |
|-----------------|-----------|-----|-----|-------------|---------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | Average Power Density (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|                 |           |     |     |             | Ant 1                           | Ant 2 | SUM  | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| 11a             | 6Mbps     | 2   | 36  | 5180        |                                 |       | 9.76 | 11.00                       | 4.41  |          | Pass  |            |
| 11a             | 6Mbps     | 2   | 44  | 5220        |                                 |       | 9.75 | 11.00                       | 4.41  |          | Pass  |            |
| 11a             | 6Mbps     | 2   | 48  | 5240        |                                 |       | 9.82 | 11.00                       | 4.41  |          | Pass  |            |
| VHT20           | MCS0      | 2   | 36  | 5180        |                                 |       | 9.51 | 11.00                       | 4.41  |          | Pass  |            |
| VHT20           | MCS0      | 2   | 44  | 5220        |                                 |       | 9.72 | 11.00                       | 4.41  |          | Pass  |            |
| VHT20           | MCS0      | 2   | 48  | 5240        |                                 |       | 9.33 | 11.00                       | 4.41  |          | Pass  |            |
| VHT40           | MCS0      | 2   | 38  | 5190        |                                 |       | 5.00 | 11.00                       | 4.41  |          | Pass  |            |
| VHT40           | MCS0      | 2   | 46  | 5230        |                                 |       | 6.12 | 11.00                       | 4.41  |          | Pass  |            |
| VHT80           | MCS0      | 2   | 42  | 5210        |                                 |       | 1.39 | 11.00                       | 4.41  |          | Pass  |            |

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

| Band II MIMO |           |     |     |             |                     |       |                       |        |                                    |       |                                   |       |                                      |       |      |
|--------------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|--------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |        | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | Note |
|              |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2  | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 |      |
| 11a          | 6Mbps     | 2   | 52  | 5260        | 16.43               | 20.08 | 25.72                 | 38.61  | 23.16                              |       | 29.16                             |       | 23.98                                |       |      |
| 11a          | 6Mbps     | 2   | 60  | 5300        | 16.33               | 21.48 | 21.68                 | 39.11  | 23.13                              |       | 29.13                             |       | 23.98                                |       |      |
| 11a          | 6Mbps     | 2   | 64  | 5320        | 16.38               | 20.73 | 22.33                 | 39.41  | 23.14                              |       | 29.14                             |       | 23.98                                |       |      |
| VHT20        | MCS0      | 2   | 52  | 5260        | 17.68               | 19.33 | 26.87                 | 38.21  | 23.48                              |       | 29.48                             |       | 23.98                                |       |      |
| VHT20        | MCS0      | 2   | 60  | 5300        | 17.63               | 19.03 | 23.83                 | 36.96  | 23.46                              |       | 29.46                             |       | 23.98                                |       |      |
| VHT20        | MCS0      | 2   | 64  | 5320        | 17.63               | 18.78 | 24.63                 | 37.01  | 23.46                              |       | 29.46                             |       | 23.98                                |       |      |
| VHT40        | MCS0      | 2   | 54  | 5270        | 42.16               | 70.53 | 86.55                 | 103.73 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT40        | MCS0      | 2   | 62  | 5310        | 66.73               | 67.93 | 100.82                | 102.39 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80        | MCS0      | 2   | 58  | 5290        | 76.12               | 98.54 | 146.57                | 210.11 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |



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

| FCC Band II single antenna |           |     |     |             |                               |       |     |                                 |       |          |       |                        |           |
|----------------------------|-----------|-----|-----|-------------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.                       | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|                            |           |     |     |             | Ant 1                         | Ant 2 | SUM | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a                        | 6Mbps     | 1   | 52  | 5260        | 17.20                         | 17.20 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| 11a                        | 6Mbps     | 1   | 60  | 5300        | 17.10                         | 17.20 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| 11a                        | 6Mbps     | 1   | 64  | 5320        | 17.10                         | 17.20 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT20                       | MCS0      | 1   | 52  | 5260        | 16.90                         | 16.70 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT20                       | MCS0      | 1   | 60  | 5300        | 16.70                         | 16.90 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT20                       | MCS0      | 1   | 64  | 5320        | 16.80                         | 17.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT40                       | MCS0      | 1   | 54  | 5270        | 16.90                         | 17.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT40                       | MCS0      | 1   | 62  | 5310        | 16.80                         | 16.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT20                      | MCS0      | 1   | 52  | 5260        | 17.00                         | 16.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT20                      | MCS0      | 1   | 60  | 5300        | 16.80                         | 17.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT20                      | MCS0      | 1   | 64  | 5320        | 16.90                         | 17.10 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT40                      | MCS0      | 1   | 54  | 5270        | 17.00                         | 17.10 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT40                      | MCS0      | 1   | 62  | 5310        | 16.90                         | 16.90 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT80                      | MCS0      | 1   | 58  | 5290        | 15.00                         | 15.30 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |

| FCC Band II MIMO |           |     |     |             |                               |       |       |                                 |       |          |       |                        |           |
|------------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.             | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|                  |           |     |     |             | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a              | 6Mbps     | 2   | 52  | 5260        | 17.60                         | 16.90 | 20.27 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| 11a              | 6Mbps     | 2   | 60  | 5300        | 17.30                         | 17.20 | 20.26 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| 11a              | 6Mbps     | 2   | 64  | 5320        | 17.40                         | 17.10 | 20.26 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HT20             | MCS0      | 2   | 52  | 5260        | 17.70                         | 16.10 | 19.98 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HT20             | MCS0      | 2   | 60  | 5300        | 17.50                         | 16.40 | 20.00 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HT20             | MCS0      | 2   | 64  | 5320        | 17.70                         | 16.40 | 20.11 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HT40             | MCS0      | 2   | 54  | 5270        | 17.80                         | 16.30 | 20.12 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HT40             | MCS0      | 2   | 62  | 5310        | 17.20                         | 15.90 | 19.61 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT20            | MCS0      | 2   | 52  | 5260        | 17.80                         | 16.10 | 20.04 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT20            | MCS0      | 2   | 60  | 5300        | 17.60                         | 16.40 | 20.05 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT20            | MCS0      | 2   | 64  | 5320        | 17.80                         | 16.40 | 20.17 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT40            | MCS0      | 2   | 54  | 5270        | 17.90                         | 16.30 | 20.18 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT40            | MCS0      | 2   | 62  | 5310        | 17.30                         | 15.80 | 19.62 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT80            | MCS0      | 2   | 58  | 5290        | 15.80                         | 14.90 | 18.38 | 23.98                           |       | 1.50     |       | 30                     | Pass      |

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

| Band II MIMO |           |     |     |             |                                 |       |      |                             |       |          |       |            |
|--------------|-----------|-----|-----|-------------|---------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | Average Power Density (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|              |           |     |     |             | Ant 1                           | Ant 2 | SUM  | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| 11a          | 6Mbps     | 2   | 52  | 5260        |                                 |       | 9.87 | 11.00                       |       | 4.41     | Pass  |            |
| 11a          | 6Mbps     | 2   | 60  | 5300        |                                 |       | 9.81 | 11.00                       |       | 4.41     | Pass  |            |
| 11a          | 6Mbps     | 2   | 64  | 5320        |                                 |       | 9.79 | 11.00                       |       | 4.41     | Pass  |            |
| VHT20        | MCS0      | 2   | 52  | 5260        |                                 |       | 9.47 | 11.00                       |       | 4.41     | Pass  |            |
| VHT20        | MCS0      | 2   | 60  | 5300        |                                 |       | 9.47 | 11.00                       |       | 4.41     | Pass  |            |
| VHT20        | MCS0      | 2   | 64  | 5320        |                                 |       | 9.55 | 11.00                       |       | 4.41     | Pass  |            |
| VHT40        | MCS0      | 2   | 54  | 5270        |                                 |       | 6.39 | 11.00                       |       | 4.41     | Pass  |            |
| VHT40        | MCS0      | 2   | 62  | 5310        |                                 |       | 4.86 | 11.00                       |       | 4.41     | Pass  |            |
| VHT80        | MCS0      | 2   | 58  | 5290        |                                 |       | 0.85 | 11.00                       |       | 4.41     | Pass  |            |

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

| Band III MIMO |           |     |     |             |                                 |       |                                   |        |                                    |       |                                   |       |                                      |       |   |       |
|---------------|-----------|-----|-----|-------------|---------------------------------|-------|-----------------------------------|--------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|---|-------|
| Mod.          | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth In U-NII 2C (MHz) |       | 26 dB Bandwidth In U-NII 2C (MHz) |        | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |
|               |           |     |     |             | Ant 1                           | Ant 2 | Ant 1                             | Ant 2  | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 | Ant 1                                     | Ant 2 |
| 11a           | 6Mbps     | 2   | 100 | 5500        | 16.33                           | 17.08 | 21.08                             | 35.37  | 23.13                              | 29.13 | 23.98                             | ----  | ----                                 |       |   |       |
| 11a           | 6Mbps     | 2   | 116 | 5580        | 16.38                           | 16.83 | 21.13                             | 32.17  | 23.14                              | 29.14 | 23.98                             | ----  | ----                                 |       |   |       |
| 11a           | 6Mbps     | 2   | 140 | 5700        | 16.43                           | 18.33 | 21.68                             | 37.16  | 23.16                              | 29.16 | 23.98                             | ----  | ----                                 |       |   |       |
| VHT20         | MCS0      | 2   | 100 | 5500        | 17.53                           | 17.88 | 22.13                             | 32.37  | 23.44                              | 29.44 | 23.98                             | ----  | ----                                 |       |   |       |
| VHT20         | MCS0      | 2   | 116 | 5580        | 17.53                           | 17.73 | 22.03                             | 28.97  | 23.44                              | 29.44 | 23.98                             | ----  | ----                                 |       |   |       |
| VHT20         | MCS0      | 2   | 140 | 5700        | 17.53                           | 18.13 | 21.83                             | 34.57  | 23.44                              | 29.44 | 23.98                             | ----  | ----                                 |       |   |       |
| VHT40         | MCS0      | 2   | 102 | 5510        | 55.15                           | 55.35 | 94.88                             | 96.19  | 23.98                              | 30.00 | 23.98                             | ----  | ----                                 |       |   |       |
| VHT40         | MCS0      | 2   | 110 | 5550        | 36.46                           | 54.85 | 60.56                             | 94.95  | 23.98                              | 30.00 | 23.98                             | ----  | ----                                 |       |   |       |
| VHT40         | MCS0      | 2   | 134 | 5670        | 37.06                           | 62.34 | 80.89                             | 99.14  | 23.98                              | 30.00 | 23.98                             | ----  | ----                                 |       |   |       |
| VHT80         | MCS0      | 2   | 106 | 5530        | 76.36                           | 83.20 | 134.03                            | 191.25 | 23.98                              | 30.00 | 23.98                             | ----  | ----                                 |       |   |       |
| VHT80         | MCS0      | 2   | 122 | 5610        | 75.88                           | 76.60 | 81.04                             | 103.58 | 23.98                              | 30.00 | 23.98                             | ----  | ----                                 |       |   |       |

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

| FCC Band III single antenna |           |     |     |             |                               |       |     |                                 |       |          |       |                        |           |
|-----------------------------|-----------|-----|-----|-------------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.                        | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|                             |           |     |     |             | Ant 1                         | Ant 2 | SUM | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a                         | 6Mbps     | 1   | 100 | 5500        | 17.00                         | 17.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| 11a                         | 6Mbps     | 1   | 116 | 5580        | 17.10                         | 17.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| 11a                         | 6Mbps     | 1   | 140 | 5700        | 15.80                         | 15.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT20                        | MCS0      | 1   | 100 | 5500        | 16.80                         | 17.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT20                        | MCS0      | 1   | 116 | 5580        | 17.10                         | 16.60 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT20                        | MCS0      | 1   | 140 | 5700        | 17.10                         | 17.10 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT40                        | MCS0      | 1   | 102 | 5510        | 16.70                         | 16.60 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT40                        | MCS0      | 1   | 110 | 5550        | 17.00                         | 16.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT40                        | MCS0      | 1   | 134 | 5670        | 16.80                         | 16.90 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT20                       | MCS0      | 1   | 100 | 5500        | 16.90                         | 17.10 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT20                       | MCS0      | 1   | 116 | 5580        | 17.20                         | 16.70 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT20                       | MCS0      | 1   | 140 | 5700        | 17.30                         | 17.20 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT40                       | MCS0      | 1   | 102 | 5510        | 16.80                         | 16.70 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT40                       | MCS0      | 1   | 110 | 5550        | 17.00                         | 16.90 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT40                       | MCS0      | 1   | 134 | 5670        | 16.90                         | 17.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT80                       | MCS0      | 1   | 106 | 5530        | 16.20                         | 16.20 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT80                       | MCS0      | 1   | 122 | 5610        | 17.00                         | 16.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |

| FCC Band III MIMO |           |     |     |             |                               |       |       |                                 |       |          |       |                        |           |
|-------------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.              | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|                   |           |     |     |             | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a               | 6Mbps     | 2   | 100 | 5500        | 17.50                         | 16.70 | 20.13 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| 11a               | 6Mbps     | 2   | 116 | 5580        | 17.90                         | 16.50 | 20.27 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| 11a               | 6Mbps     | 2   | 140 | 5700        | 16.20                         | 15.60 | 18.92 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT20              | MCS0      | 2   | 100 | 5500        | 17.80                         | 16.10 | 20.04 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT20              | MCS0      | 2   | 116 | 5580        | 18.10                         | 16.00 | 20.19 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT20              | MCS0      | 2   | 140 | 5700        | 17.90                         | 16.40 | 20.22 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT40              | MCS0      | 2   | 102 | 5510        | 17.70                         | 16.10 | 19.98 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT40              | MCS0      | 2   | 110 | 5550        | 17.50                         | 15.80 | 19.74 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HT40              | MCS0      | 2   | 134 | 5670        | 17.40                         | 16.30 | 19.90 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 100 | 5500        | 17.90                         | 16.10 | 20.10 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 116 | 5580        | 18.20                         | 16.00 | 20.25 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 140 | 5700        | 18.00                         | 16.40 | 20.28 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT40             | MCS0      | 2   | 102 | 5510        | 17.80                         | 16.00 | 20.00 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT40             | MCS0      | 2   | 110 | 5550        | 17.90                         | 15.80 | 19.99 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT40             | MCS0      | 2   | 134 | 5670        | 17.70                         | 16.00 | 19.94 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT80             | MCS0      | 2   | 106 | 5530        | 16.10                         | 16.40 | 19.26 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| VHT80             | MCS0      | 2   | 122 | 5610        | 17.50                         | 16.50 | 20.04 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |

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

| Band III MIMO |           |     |     |             |                                 |       |      |                             |       |          |       |            |
|---------------|-----------|-----|-----|-------------|---------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod.          | Data Rate | NTX | CH. | Freq. (MHz) | Average Power Density (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|               |           |     |     |             | Ant 1                           | Ant 2 | SUM  | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| 11a           | 6Mbps     | 2   | 100 | 5500        |                                 |       | 9.22 | 11.00                       | 4.41  |          | Pass  |            |
| 11a           | 6Mbps     | 2   | 116 | 5580        |                                 |       | 9.50 | 11.00                       | 4.41  |          | Pass  |            |
| 11a           | 6Mbps     | 2   | 140 | 5700        |                                 |       | 7.65 | 11.00                       | 4.41  |          | Pass  |            |
| VHT20         | MCS0      | 2   | 100 | 5500        |                                 |       | 9.33 | 11.00                       | 4.41  |          | Pass  |            |
| VHT20         | MCS0      | 2   | 116 | 5580        |                                 |       | 9.54 | 11.00                       | 4.41  |          | Pass  |            |
| VHT20         | MCS0      | 2   | 140 | 5700        |                                 |       | 8.95 | 11.00                       | 4.41  |          | Pass  |            |
| VHT40         | MCS0      | 2   | 102 | 5510        |                                 |       | 5.36 | 11.00                       | 4.41  |          | Pass  |            |
| VHT40         | MCS0      | 2   | 110 | 5550        |                                 |       | 6.40 | 11.00                       | 4.41  |          | Pass  |            |
| VHT40         | MCS0      | 2   | 134 | 5670        |                                 |       | 6.23 | 11.00                       | 4.41  |          | Pass  |            |
| VHT80         | MCS0      | 2   | 106 | 5530        |                                 |       | 2.82 | 11.00                       | 4.41  |          | Pass  |            |
| VHT80         | MCS0      | 2   | 122 | 5610        |                                 |       | 3.30 | 11.00                       | 4.41  |          | Pass  |            |

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

| Band 1 MIMO |           |                 |     |             |           |                     |       |                       |        |                                    |       |                                   |       |      |
|-------------|-----------|-----------------|-----|-------------|-----------|---------------------|-------|-----------------------|--------|------------------------------------|-------|-----------------------------------|-------|------|
| Mod.        | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | RU Config | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |        | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | Note |
|             |           |                 |     |             |           | Ant 1               | Ant 2 | Ant 1                 | Ant 2  | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 |      |
| HE20        | MCS0      | 2               | 36  | 5180        | Full      | 18.98               | 20.23 | 32.72                 | 43.81  | -                                  | -     | 22.78                             |       |      |
| HE20        | MCS0      | 2               | 44  | 5220        | Full      | 19.03               | 20.08 | 33.72                 | 42.36  | -                                  | -     | 22.79                             |       |      |
| HE20        | MCS0      | 2               | 48  | 5240        | Full      | 19.03               | 21.73 | 33.07                 | 42.16  | -                                  | -     | 22.79                             |       |      |
| HE40        | MCS0      | 2               | 38  | 5190        | Full      | 43.06               | 67.63 | 85.08                 | 102.39 | -                                  | -     | 23.01                             |       |      |
| HE40        | MCS0      | 2               | 46  | 5230        | Full      | 43.16               | 70.33 | 83.92                 | 108.12 | -                                  | -     | 23.01                             |       |      |
| HE80        | MCS0      | 2               | 42  | 5210        | Full      | 77.20               | 98.06 | 175.98                | 215.31 | -                                  | -     | 23.01                             |       |      |

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

| FCC Band I single antenna |           |     |     |             |           |                               |       |     |                                 |       |          |       |           |
|---------------------------|-----------|-----|-----|-------------|-----------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|-----------|
| Mod.                      | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                           |           |     |     |             |           | Ant 1                         | Ant 2 | SUM | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| HE20                      | MCS0      | 1   | 36  | 5180        | Full      | 16.30                         | 16.10 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HE20                      | MCS0      | 1   | 36  | 5180        | 26/0      | 9.80                          | 10.00 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HE20                      | MCS0      | 1   | 36  | 5180        | 52/37     | 11.60                         | 11.50 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HE20                      | MCS0      | 1   | 36  | 5180        | 106/53    | 14.70                         | 14.60 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HE20                      | MCS0      | 1   | 44  | 5220        | Full      | 16.90                         | 16.80 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HE20                      | MCS0      | 1   | 48  | 5240        | Full      | 17.00                         | 16.70 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HE40                      | MCS0      | 1   | 38  | 5190        | Full      | 15.10                         | 15.10 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HE40                      | MCS0      | 1   | 38  | 5190        | 242/61    | 15.00                         | 15.10 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HE40                      | MCS0      | 1   | 46  | 5230        | Full      | 17.20                         | 17.20 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HE80                      | MCS0      | 1   | 42  | 5210        | Full      | 14.70                         | 14.80 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |
| HE80                      | MCS0      | 1   | 42  | 5210        | 484/65    | 14.50                         | 14.30 |     | 24.00                           | 24.00 | 1.50     | 1.30  | Pass      |

| FCC Band I MIMO |           |     |     |             |           |                               |       |       |                                 |       |          |       |           |
|-----------------|-----------|-----|-----|-------------|-----------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                 |           |     |     |             |           | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| HE20            | MCS0      | 2   | 36  | 5180        | Full      | 16.90                         | 15.90 | 19.44 | 24.00                           | 24.00 | 1.50     | 1.50  | Pass      |
| HE20            | MCS0      | 2   | 36  | 5180        | 26/0      | 10.60                         | 9.50  | 13.10 | 24.00                           | 24.00 | 1.50     | 1.50  | Pass      |
| HE20            | MCS0      | 2   | 36  | 5180        | 52/37     | 12.30                         | 11.40 | 14.88 | 24.00                           | 24.00 | 1.50     | 1.50  | Pass      |
| HE20            | MCS0      | 2   | 36  | 5180        | 106/53    | 15.50                         | 15.80 | 18.66 | 24.00                           | 24.00 | 1.50     | 1.50  | Pass      |
| HE20            | MCS0      | 2   | 44  | 5220        | Full      | 17.80                         | 16.00 | 20.00 | 24.00                           | 24.00 | 1.50     | 1.50  | Pass      |
| HE20            | MCS0      | 2   | 48  | 5240        | Full      | 17.60                         | 15.90 | 19.84 | 24.00                           | 24.00 | 1.50     | 1.50  | Pass      |
| HE40            | MCS0      | 2   | 38  | 5190        | Full      | 15.90                         | 14.30 | 18.18 | 24.00                           | 24.00 | 1.50     | 1.50  | Pass      |
| HE40            | MCS0      | 2   | 38  | 5190        | 242/61    | 15.90                         | 14.20 | 18.14 | 24.00                           | 24.00 | 1.50     | 1.50  | Pass      |
| HE40            | MCS0      | 2   | 46  | 5230        | Full      | 17.50                         | 16.30 | 19.95 | 24.00                           | 24.00 | 1.50     | 1.50  | Pass      |
| HE80            | MCS0      | 2   | 42  | 5210        | Full      | 15.30                         | 14.30 | 17.84 | 24.00                           | 24.00 | 1.50     | 1.50  | Pass      |
| HE80            | MCS0      | 2   | 42  | 5210        | 484/65    | 14.90                         | 14.10 | 17.53 | 24.00                           | 24.00 | 1.50     | 1.50  | Pass      |

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

| FCC Band I MIMO |           |     |     |             |           |                                 |       |       |                             |       |          |       |            |
|-----------------|-----------|-----|-----|-------------|-----------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|                 |           |     |     |             |           | Ant 1                           | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| HE20            | MCS0      | 2   | 36  | 5180        | Full      |                                 |       | 8.56  |                             | 11.00 |          | 4.41  | Pass       |
| HE20            | MCS0      | 2   | 36  | 5180        | 26/0      |                                 |       | 10.98 |                             | 11.00 |          | 4.41  | Pass       |
| HE20            | MCS0      | 2   | 36  | 5180        | 52/37     |                                 |       | 10.59 |                             | 11.00 |          | 4.41  | Pass       |
| HE20            | MCS0      | 2   | 36  | 5180        | 106/53    |                                 |       | 10.52 |                             | 11.00 |          | 4.41  | Pass       |
| HE20            | MCS0      | 2   | 44  | 5220        | Full      |                                 |       | 9.05  |                             | 11.00 |          | 4.41  | Pass       |
| HE20            | MCS0      | 2   | 48  | 5240        | Full      |                                 |       | 9.45  |                             | 11.00 |          | 4.41  | Pass       |
| HE40            | MCS0      | 2   | 38  | 5190        | Full      |                                 |       | 4.40  |                             | 11.00 |          | 4.41  | Pass       |
| HE40            | MCS0      | 2   | 38  | 5190        | 242/61    |                                 |       | 8.72  |                             | 11.00 |          | 4.41  | Pass       |
| HE40            | MCS0      | 2   | 46  | 5230        | Full      |                                 |       | 6.73  |                             | 11.00 |          | 4.41  | Pass       |
| HE80            | MCS0      | 2   | 42  | 5210        | Full      |                                 |       | 1.50  |                             | 11.00 |          | 4.41  | Pass       |
| HE80            | MCS0      | 2   | 42  | 5210        | 484/65    |                                 |       | 3.85  |                             | 11.00 |          | 4.41  | Pass       |



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

| Band II MIMO |           |                 |     |             |           |                     |        |                       |        |                                    |       |                                   |       |                                      |       |      |
|--------------|-----------|-----------------|-----|-------------|-----------|---------------------|--------|-----------------------|--------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod.         | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | RU Config | 99% Bandwidth (MHz) |        | 26 dB Bandwidth (MHz) |        | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | Note |
|              |           |                 |     |             |           | Ant 1               | Ant 2  | Ant 1                 | Ant 2  | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 |      |
| HE20         | MCS0      | 2               | 52  | 5260        | Full      | 19.08               | 21.88  | 33.37                 | 42.46  | 23.81                              |       | 29.81                             |       | 23.98                                |       |      |
| HE20         | MCS0      | 2               | 60  | 5300        | Full      | 18.98               | 23.08  | 31.57                 | 42.86  | 23.78                              |       | 29.78                             |       | 23.98                                |       |      |
| HE20         | MCS0      | 2               | 64  | 5320        | Full      | 18.98               | 19.63  | 31.07                 | 40.06  | 23.78                              |       | 29.78                             |       | 23.98                                |       |      |
| HE40         | MCS0      | 2               | 54  | 5270        | Full      | 41.86               | 73.53  | 83.79                 | 108.15 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE40         | MCS0      | 2               | 62  | 5310        | Full      | 39.06               | 71.93  | 77.70                 | 111.79 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE80         | MCS0      | 2               | 58  | 5290        | Full      | 76.72               | 104.30 | 157.44                | 262.93 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |

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

| FCC Band II single antenna |           |     |     |             |           |                               |       |     |                                 |       |          |       |                        |           |
|----------------------------|-----------|-----|-----|-------------|-----------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.                       | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|                            |           |     |     |             |           | Ant 1                         | Ant 2 | SUM | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| HE20                       | MCS0      | 1   | 52  | 5260        | Full      | 17.00                         | 16.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                       | MCS0      | 1   | 60  | 5300        | Full      | 16.90                         | 16.90 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                       | MCS0      | 1   | 64  | 5320        | Full      | 16.60                         | 16.50 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                       | MCS0      | 1   | 64  | 5320        | 26/8      | 9.50                          | 9.60  |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                       | MCS0      | 1   | 64  | 5320        | 52/40     | 11.80                         | 11.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                       | MCS0      | 1   | 64  | 5320        | 106/54    | 14.50                         | 14.50 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40                       | MCS0      | 1   | 54  | 5270        | Full      | 17.00                         | 17.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40                       | MCS0      | 1   | 54  | 5270        | 242/62    | 16.80                         | 16.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40                       | MCS0      | 1   | 62  | 5310        | Full      | 15.20                         | 15.20 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40                       | MCS0      | 1   | 62  | 5310        | 242/62    | 16.60                         | 16.60 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80                       | MCS0      | 1   | 58  | 5290        | Full      | 14.60                         | 14.60 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80                       | MCS0      | 1   | 58  | 5290        | 484/66    | 14.50                         | 14.60 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |

| FCC Band II MIMO |           |     |     |             |           |                               |       |       |                                 |       |          |       |                        |           |
|------------------|-----------|-----|-----|-------------|-----------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.             | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|                  |           |     |     |             |           | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| HE20             | MCS0      | 2   | 52  | 5260        | Full      | 17.40                         | 16.00 | 19.77 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20             | MCS0      | 2   | 60  | 5300        | Full      | 17.40                         | 16.40 | 19.94 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20             | MCS0      | 2   | 64  | 5320        | Full      | 17.30                         | 15.90 | 19.67 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20             | MCS0      | 2   | 64  | 5320        | 26/8      | 10.30                         | 9.30  | 12.84 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20             | MCS0      | 2   | 64  | 5320        | 52/40     | 12.60                         | 11.50 | 15.10 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20             | MCS0      | 2   | 64  | 5320        | 106/54    | 15.30                         | 14.30 | 17.84 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40             | MCS0      | 2   | 54  | 5270        | Full      | 17.50                         | 16.20 | 19.91 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40             | MCS0      | 2   | 54  | 5270        | 242/62    | 17.40                         | 16.00 | 19.77 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40             | MCS0      | 2   | 62  | 5310        | Full      | 16.10                         | 14.80 | 18.51 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40             | MCS0      | 2   | 62  | 5310        | 242/62    | 15.90                         | 14.70 | 18.35 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80             | MCS0      | 2   | 58  | 5290        | Full      | 14.70                         | 14.60 | 17.66 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80             | MCS0      | 2   | 58  | 5290        | 484/66    | 14.60                         | 14.50 | 17.56 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |

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

| Band II MIMO |           |     |     |             |             |                                 |       |       |                             |       |          |       |            |
|--------------|-----------|-----|-----|-------------|-------------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | Freq. (MHz) | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|              |           |     |     |             |             | Ant 1                           | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| HE20         | MCS0      | 2   | 52  | 5260        | Full        |                                 |       | 9.21  | 11.00                       | 4.41  |          | Pass  |            |
| HE20         | MCS0      | 2   | 60  | 5300        | Full        |                                 |       | 9.26  | 11.00                       | 4.41  |          | Pass  |            |
| HE20         | MCS0      | 2   | 64  | 5320        | Full        |                                 |       | 8.15  | 11.00                       | 4.41  |          | Pass  |            |
| HE20         | MCS0      | 2   | 64  | 5320        | 26/8        |                                 |       | 10.94 | 11.00                       | 4.41  |          | Pass  |            |
| HE20         | MCS0      | 2   | 64  | 5320        | 52/40       |                                 |       | 10.69 | 11.00                       | 4.41  |          | Pass  |            |
| HE20         | MCS0      | 2   | 64  | 5320        | 106/54      |                                 |       | 10.83 | 11.00                       | 4.41  |          | Pass  |            |
| HE40         | MCS0      | 2   | 54  | 5270        | Full        |                                 |       | 6.25  | 11.00                       | 4.41  |          | Pass  |            |
| HE40         | MCS0      | 2   | 54  | 5270        | 242/62      |                                 |       | 6.95  | 11.00                       | 4.41  |          | Pass  |            |
| HE40         | MCS0      | 2   | 62  | 5310        | Full        |                                 |       | 4.20  | 11.00                       | 4.41  |          | Pass  |            |
| HE40         | MCS0      | 2   | 62  | 5310        | 242/62      |                                 |       | 8.17  | 11.00                       | 4.41  |          | Pass  |            |
| HE80         | MCS0      | 2   | 58  | 5290        | Full        |                                 |       | 0.43  | 11.00                       | 4.41  |          | Pass  |            |
| HE80         | MCS0      | 2   | 58  | 5290        | 484/66      |                                 |       | 3.61  | 11.00                       | 4.41  |          | Pass  |            |

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

| Band III MIMO |           |                 |     |             |           |                                 |       |                                   |        |                                    |       |                                   |       |                                      |       |   |       |
|---------------|-----------|-----------------|-----|-------------|-----------|---------------------------------|-------|-----------------------------------|--------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|---|-------|
| Mod.          | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | RU Config | 99% Bandwidth In U-NII 2C (MHz) |       | 26 dB Bandwidth In U-NII 2C (MHz) |        | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |
|               |           |                 |     |             |           | Ant 1                           | Ant 2 | Ant 1                             | Ant 2  | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 | Ant 1                                     | Ant 2 |
| HE20          | MCS0      | 2               | 100 | 5500        | Full      | 18.93                           | 19.13 | 22.53                             | 35.71  | 23.77                              | 29.77 | 23.98                             | ----  | ----                                 |       |   |       |
| HE20          | MCS0      | 2               | 116 | 5580        | Full      | 18.93                           | 19.03 | 25.08                             | 33.48  | 23.77                              | 29.77 | 23.98                             | ----  | ----                                 |       |   |       |
| HE20          | MCS0      | 2               | 140 | 5700        | Full      | 18.93                           | 19.13 | 22.98                             | 35.42  | 23.77                              | 29.77 | 23.98                             | ----  | ----                                 |       |   |       |
| HE40          | MCS0      | 2               | 102 | 5510        | Full      | 38.36                           | 59.64 | 67.86                             | 95.39  | 23.98                              | 30.00 | 23.98                             | ----  | ----                                 |       |   |       |
| HE40          | MCS0      | 2               | 110 | 5550        | Full      | 38.26                           | 58.94 | 67.28                             | 97.85  | 23.98                              | 30.00 | 23.98                             | ----  | ----                                 |       |   |       |
| HE40          | MCS0      | 2               | 134 | 5670        | Full      | 38.56                           | 62.74 | 72.27                             | 103.10 | 23.98                              | 30.00 | 23.98                             | ----  | ----                                 |       |   |       |
| HE80          | MCS0      | 2               | 106 | 5530        | Full      | 76.48                           | 91.83 | 152.81                            | 200.44 | 23.98                              | 30.00 | 23.98                             | ----  | ----                                 |       |   |       |
| HE80          | MCS0      | 2               | 122 | 5610        | Full      | 77.80                           | 80.08 | 82.16                             | 170.71 | 23.98                              | 30.00 | 23.98                             | ----  | ----                                 |       |   |       |

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

| FCC Band III single antenna |           |     |     |             |           |                               |       |     |                                 |       |          |       |                        |           |
|-----------------------------|-----------|-----|-----|-------------|-----------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.                        | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|                             |           |     |     |             |           | Ant 1                         | Ant 2 | SUM | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| HE20                        | MCS0      | 1   | 100 | 5500        | Full      | 16.90                         | 17.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                        | MCS0      | 1   | 100 | 5500        | 26/0      | 9.60                          | 9.40  |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                        | MCS0      | 1   | 100 | 5500        | 52/37     | 11.80                         | 11.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                        | MCS0      | 1   | 100 | 5500        | 106/53    | 15.00                         | 14.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                        | MCS0      | 1   | 116 | 5580        | Full      | 16.90                         | 16.70 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                        | MCS0      | 1   | 140 | 5700        | Full      | 16.20                         | 16.20 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                        | MCS0      | 1   | 140 | 5700        | 26/8      | 9.70                          | 8.90  |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                        | MCS0      | 1   | 140 | 5700        | 52/40     | 12.30                         | 12.20 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20                        | MCS0      | 1   | 140 | 5700        | 106/54    | 14.70                         | 14.70 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40                        | MCS0      | 1   | 102 | 5510        | Full      | 16.20                         | 16.10 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40                        | MCS0      | 1   | 102 | 5510        | 242/61    | 16.90                         | 17.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40                        | MCS0      | 1   | 110 | 5550        | Full      | 17.00                         | 16.90 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40                        | MCS0      | 1   | 134 | 5670        | Full      | 16.80                         | 16.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40                        | MCS0      | 1   | 134 | 5670        | 242/62    | 16.90                         | 16.80 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80                        | MCS0      | 1   | 106 | 5530        | Full      | 16.50                         | 16.40 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80                        | MCS0      | 1   | 106 | 5530        | 484/65    | 16.00                         | 16.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80                        | MCS0      | 1   | 122 | 5610        | Full      | 16.90                         | 17.00 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80                        | MCS0      | 1   | 122 | 5610        | 484/66    | 16.90                         | 16.90 |     | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |

| FCC Band III MIMO |           |     |     |             |           |                               |       |       |                                 |       |          |       |                        |           |
|-------------------|-----------|-----|-----|-------------|-----------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.              | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|                   |           |     |     |             |           | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| HE20              | MCS0      | 2   | 100 | 5500        | Full      | 17.90                         | 16.10 | 20.10 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20              | MCS0      | 2   | 100 | 5500        | 26/0      | 10.60                         | 8.90  | 12.84 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20              | MCS0      | 2   | 100 | 5500        | 52/37     | 12.90                         | 11.30 | 15.18 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20              | MCS0      | 2   | 100 | 5500        | 106/53    | 15.90                         | 14.30 | 18.18 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20              | MCS0      | 2   | 116 | 5580        | Full      | 18.20                         | 15.90 | 20.21 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | Full      | 17.20                         | 15.60 | 19.48 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | 26/8      | 10.40                         | 9.40  | 12.94 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | 52/40     | 13.00                         | 11.60 | 15.37 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | 106/54    | 15.60                         | 13.80 | 17.80 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40              | MCS0      | 2   | 102 | 5510        | Full      | 17.20                         | 15.50 | 19.44 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40              | MCS0      | 2   | 102 | 5510        | 242/61    | 17.90                         | 16.00 | 20.06 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40              | MCS0      | 2   | 110 | 5550        | Full      | 18.00                         | 15.80 | 20.05 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40              | MCS0      | 2   | 134 | 5670        | Full      | 17.60                         | 16.30 | 20.01 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE40              | MCS0      | 2   | 134 | 5670        | 242/62    | 17.60                         | 16.30 | 20.01 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80              | MCS0      | 2   | 106 | 5530        | Full      | 16.40                         | 16.00 | 19.21 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80              | MCS0      | 2   | 106 | 5530        | 484/65    | 16.60                         | 15.50 | 19.10 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80              | MCS0      | 2   | 122 | 5610        | Full      | 17.40                         | 16.40 | 19.94 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |
| HE80              | MCS0      | 2   | 122 | 5610        | 484/66    | 17.30                         | 16.30 | 19.84 | 23.98                           | 23.98 | 1.50     | 1.30  | 30                     | Pass      |

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

| Band III MIMO |           |     |     |             |           |                                 |       |       |                             |       |          |       |            |
|---------------|-----------|-----|-----|-------------|-----------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.          | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|               |           |     |     |             |           | Ant 1                           | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| HE20          | MCS0      | 2   | 100 | 5500        | Full      |                                 |       | 9.38  |                             | 11.00 |          | 4.41  | Pass       |
| HE20          | MCS0      | 2   | 100 | 5500        | 26/0      |                                 |       | 10.95 |                             | 11.00 |          | 4.41  | Pass       |
| HE20          | MCS0      | 2   | 100 | 5500        | 52/37     |                                 |       | 10.84 |                             | 11.00 |          | 4.41  | Pass       |
| HE20          | MCS0      | 2   | 100 | 5500        | 106/53    |                                 |       | 10.81 |                             | 11.00 |          | 4.41  | Pass       |
| HE20          | MCS0      | 2   | 116 | 5580        | Full      |                                 |       | 9.66  |                             | 11.00 |          | 4.41  | Pass       |
| HE20          | MCS0      | 2   | 140 | 5700        | Full      |                                 |       | 8.08  |                             | 11.00 |          | 4.41  | Pass       |
| HE20          | MCS0      | 2   | 140 | 5700        | 26/8      |                                 |       | 10.69 |                             | 11.00 |          | 4.41  | Pass       |
| HE20          | MCS0      | 2   | 140 | 5700        | 52/40     |                                 |       | 10.80 |                             | 11.00 |          | 4.41  | Pass       |
| HE20          | MCS0      | 2   | 140 | 5700        | 106/54    |                                 |       | 10.56 |                             | 11.00 |          | 4.41  | Pass       |
| HE40          | MCS0      | 2   | 102 | 5510        | Full      |                                 |       | 4.89  |                             | 11.00 |          | 4.41  | Pass       |
| HE40          | MCS0      | 2   | 102 | 5510        | 242/61    |                                 |       | 8.27  |                             | 11.00 |          | 4.41  | Pass       |
| HE40          | MCS0      | 2   | 110 | 5550        | Full      |                                 |       | 6.51  |                             | 11.00 |          | 4.41  | Pass       |
| HE40          | MCS0      | 2   | 134 | 5670        | Full      |                                 |       | 6.02  |                             | 11.00 |          | 4.41  | Pass       |
| HE40          | MCS0      | 2   | 134 | 5670        | 242/62    |                                 |       | 8.96  |                             | 11.00 |          | 4.41  | Pass       |
| HE80          | MCS0      | 2   | 106 | 5530        | Full      |                                 |       | 2.61  |                             | 11.00 |          | 4.41  | Pass       |
| HE80          | MCS0      | 2   | 106 | 5530        | 484/65    |                                 |       | 4.52  |                             | 11.00 |          | 4.41  | Pass       |
| HE80          | MCS0      | 2   | 122 | 5610        | Full      |                                 |       | 5.72  |                             | 11.00 |          | 4.41  | Pass       |
| HE80          | MCS0      | 2   | 122 | 5610        | 484/66    |                                 |       | 6.82  |                             | 11.00 |          | 4.41  | Pass       |

**<TXBF Mode>**

|                |                     |                    |       |    |
|----------------|---------------------|--------------------|-------|----|
| Test Engineer: | Richard Qiu         | Temperature:       | 21~25 | °C |
| Test Date:     | 2020/1/30~2020/2/10 | Relative Humidity: | 51~54 | %  |

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

| Band I MIMO |           |     |     |             |                     |       |                       |       |                                    |       |                                   |       |      |
|-------------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | Note |
|             |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2 | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 |      |
| VHT20       | MCS0      | 2   | 36  | 5180        | 17.88               | 17.88 | 25.18                 | 25.28 | -                                  | -     | 22.52                             | 22.52 |      |
| VHT20       | MCS0      | 2   | 44  | 5220        | 17.78               | 17.68 | 25.38                 | 26.27 | -                                  | -     | 22.48                             | 22.48 |      |
| VHT20       | MCS0      | 2   | 48  | 5240        | 17.73               | 17.88 | 24.33                 | 26.82 | -                                  | -     | 22.49                             | 22.49 |      |
| VHT40       | MCS0      | 2   | 38  | 5190        | 36.66               | 36.96 | 43.43                 | 44.33 | -                                  | -     | 23.01                             | 23.01 |      |
| VHT40       | MCS0      | 2   | 46  | 5230        | 36.66               | 36.66 | 42.62                 | 43.70 | -                                  | -     | 23.01                             | 23.01 |      |
| VHT80       | MCS0      | 2   | 42  | 5210        | 77.80               | 76.96 | 81.52                 | 81.68 | -                                  | -     | 23.01                             | 23.01 |      |



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

| FCC Band I MIMO |           |     |     |             |                               |       |       |                                 |       |          |       |           |
|-----------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                 |           |     |     |             | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| VHT20           | MCS0      | 2   | 36  | 5180        | 16.00                         | 15.90 | 18.96 | 24.00                           |       | 4.41     |       | Pass      |
| VHT20           | MCS0      | 2   | 44  | 5220        | 16.20                         | 15.80 | 19.01 | 24.00                           |       | 4.41     |       | Pass      |
| VHT20           | MCS0      | 2   | 48  | 5240        | 16.40                         | 15.80 | 19.12 | 24.00                           |       | 4.41     |       | Pass      |
| VHT40           | MCS0      | 2   | 38  | 5190        | 16.20                         | 15.80 | 19.01 | 24.00                           |       | 4.41     |       | Pass      |
| VHT40           | MCS0      | 2   | 46  | 5230        | 16.50                         | 15.80 | 19.17 | 24.00                           |       | 4.41     |       | Pass      |
| VHT80           | MCS0      | 2   | 42  | 5210        | 16.60                         | 15.90 | 19.27 | 24.00                           |       | 4.41     |       | Pass      |

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

| FCC Band I MIMO |           |     |     |             |                                 |       |      |                             |       |          |       |            |
|-----------------|-----------|-----|-----|-------------|---------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | Average Power Density (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|                 |           |     |     |             | Ant 1                           | Ant 2 | SUM  | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| VHT20           | MCS0      | 2   | 36  | 5180        |                                 |       | 8.17 | 11.00                       | 4.41  |          | Pass  |            |
| VHT20           | MCS0      | 2   | 44  | 5220        |                                 |       | 9.28 | 11.00                       | 4.41  |          | Pass  |            |
| VHT20           | MCS0      | 2   | 48  | 5240        |                                 |       | 7.96 | 11.00                       | 4.41  |          | Pass  |            |
| VHT40           | MCS0      | 2   | 38  | 5190        |                                 |       | 7.62 | 11.00                       | 4.41  |          | Pass  |            |
| VHT40           | MCS0      | 2   | 46  | 5230        |                                 |       | 7.90 | 11.00                       | 4.41  |          | Pass  |            |
| VHT80           | MCS0      | 2   | 42  | 5210        |                                 |       | 7.94 | 11.00                       | 4.41  |          | Pass  |            |

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

| Band 1 MIMO |           |                 |     |             |           |                     |       |                       |       |                                    |       |                                   |       |      |
|-------------|-----------|-----------------|-----|-------------|-----------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|------|
| Mod.        | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | RU Config | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | Note |
|             |           |                 |     |             |           | Ant 1               | Ant 2 | Ant 1                 | Ant 2 | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 |      |
| HE20        | MCS0      | 2               | 36  | 5180        | Full      | 17.48               | 17.78 | 22.23                 | 24.43 | -                                  | -     | 22.43                             |       |      |
| HE20        | MCS0      | 2               | 44  | 5220        | Full      | 17.78               | 17.78 | 24.28                 | 24.48 | -                                  | -     | 22.50                             |       |      |
| HE20        | MCS0      | 2               | 48  | 5240        | Full      | 17.83               | 17.73 | 25.97                 | 24.58 | -                                  | -     | 22.49                             |       |      |
| HE40        | MCS0      | 2               | 38  | 5190        | Full      | 36.86               | 36.76 | 43.25                 | 48.01 | -                                  | -     | 23.01                             |       |      |
| HE40        | MCS0      | 2               | 46  | 5230        | Full      | 36.96               | 36.66 | 42.35                 | 40.73 | -                                  | -     | 23.01                             |       |      |
| HE80        | MCS0      | 2               | 42  | 5210        | Full      | 77.56               | 82.00 | 81.84                 | 82.96 | -                                  | -     | 23.01                             |       |      |

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

| FCC Band I MIMO |           |     |     |             |           |                               |       |       |                                 |       |          |       |           |
|-----------------|-----------|-----|-----|-------------|-----------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                 |           |     |     |             |           | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| HE20            | MCS0      | 2   | 36  | 5180        | Full      | 16.00                         | 15.90 | 18.96 | 24.00                           | 24.00 | 4.41     | 4.41  | Pass      |
| HE20            | MCS0      | 2   | 44  | 5220        | Full      | 16.30                         | 15.60 | 18.97 | 24.00                           | 24.00 | 4.41     | 4.41  | Pass      |
| HE20            | MCS0      | 2   | 48  | 5240        | Full      | 16.40                         | 15.80 | 19.12 | 24.00                           | 24.00 | 4.41     | 4.41  | Pass      |
| HE40            | MCS0      | 2   | 38  | 5190        | Full      | 16.50                         | 15.80 | 19.17 | 24.00                           | 24.00 | 4.41     | 4.41  | Pass      |
| HE40            | MCS0      | 2   | 46  | 5230        | Full      | 16.40                         | 15.80 | 19.12 | 24.00                           | 24.00 | 4.41     | 4.41  | Pass      |
| HE80            | MCS0      | 2   | 42  | 5210        | Full      | 16.50                         | 15.40 | 19.00 | 24.00                           | 24.00 | 4.41     | 4.41  | Pass      |

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

| FCC Band I MIMO |           |     |     |             |           |                                 |       |      |                             |       |          |       |            |
|-----------------|-----------|-----|-----|-------------|-----------|---------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Power Density (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|                 |           |     |     |             |           | Ant 1                           | Ant 2 | SUM  | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| HE20            | MCS0      | 2   | 36  | 5180        | Full      |                                 |       | 7.78 | 11.00                       |       | 4.41     |       | Pass       |
| HE20            | MCS0      | 2   | 44  | 5220        | Full      |                                 |       | 8.06 | 11.00                       |       | 4.41     |       | Pass       |
| HE20            | MCS0      | 2   | 48  | 5240        | Full      |                                 |       | 8.02 | 11.00                       |       | 4.41     |       | Pass       |
| HE40            | MCS0      | 2   | 38  | 5190        | Full      |                                 |       | 7.58 | 11.00                       |       | 4.41     |       | Pass       |
| HE40            | MCS0      | 2   | 46  | 5230        | Full      |                                 |       | 7.87 | 11.00                       |       | 4.41     |       | Pass       |
| HE80            | MCS0      | 2   | 42  | 5210        | Full      |                                 |       | 7.71 | 11.00                       |       | 4.41     |       | Pass       |



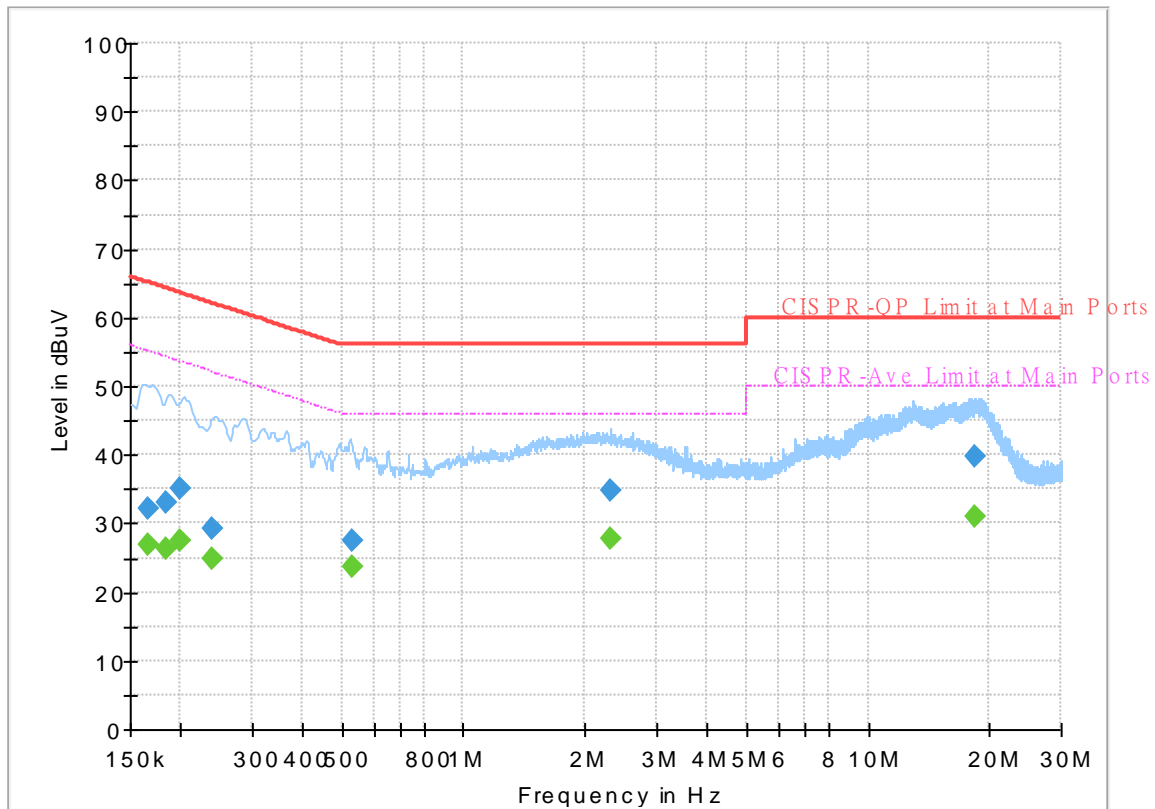
## Appendix B. AC Conducted Emission Test Results

|                 |         |                     |         |
|-----------------|---------|---------------------|---------|
| Test Engineer : | Tom Lee | Temperature :       | 21~24°C |
|                 |         | Relative Humidity : | 42~45%  |

## EUT Information

Report NO : 9D0635  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



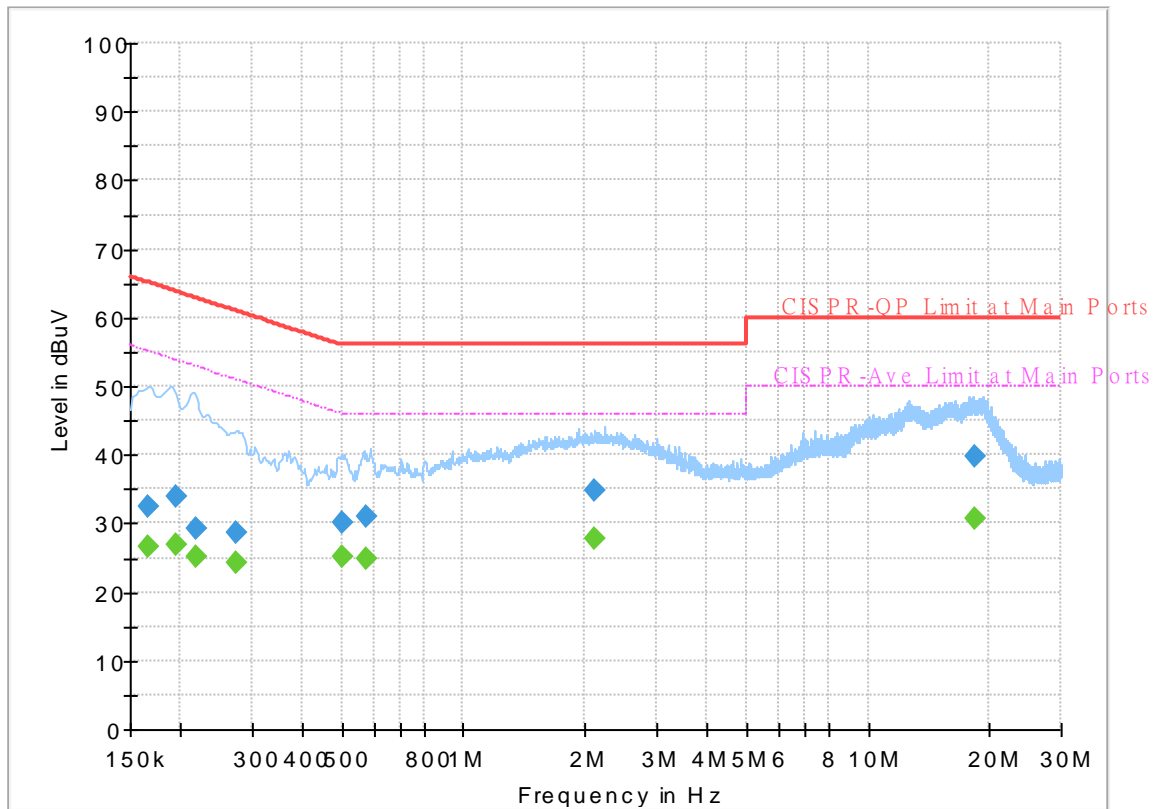
## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.166110        | ---              | 27.02           | 55.15        | 28.13       | L1   | OFF    | 19.5       |
| 0.166110        | 32.07            | ---             | 65.15        | 33.08       | L1   | OFF    | 19.5       |
| 0.183750        | ---              | 26.19           | 54.31        | 28.12       | L1   | OFF    | 19.5       |
| 0.183750        | 32.93            | ---             | 64.31        | 31.38       | L1   | OFF    | 19.5       |
| 0.199500        | ---              | 27.38           | 53.63        | 26.25       | L1   | OFF    | 19.5       |
| 0.199500        | 35.10            | ---             | 63.63        | 28.53       | L1   | OFF    | 19.5       |
| 0.240000        | ---              | 24.73           | 52.10        | 27.37       | L1   | OFF    | 19.5       |
| 0.240000        | 29.21            | ---             | 62.10        | 32.89       | L1   | OFF    | 19.5       |
| 0.529440        | ---              | 23.58           | 46.00        | 22.42       | L1   | OFF    | 19.5       |
| 0.529440        | 27.54            | ---             | 56.00        | 28.46       | L1   | OFF    | 19.5       |
| 2.299650        | ---              | 27.89           | 46.00        | 18.11       | L1   | OFF    | 19.7       |
| 2.299650        | 34.91            | ---             | 56.00        | 21.09       | L1   | OFF    | 19.7       |
| 18.298500       | ---              | 30.87           | 50.00        | 19.13       | L1   | OFF    | 20.2       |
| 18.298500       | 39.85            | ---             | 60.00        | 20.15       | L1   | OFF    | 20.2       |

# EUT Information

Report NO : 9D0635  
 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) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.165660        | ---              | 26.54           | 55.18        | 28.64       | N    | OFF    | 19.6       |
| 0.165660        | 32.44            | ---             | 65.18        | 32.74       | N    | OFF    | 19.6       |
| 0.195000        | ---              | 26.84           | 53.82        | 26.98       | N    | OFF    | 19.6       |
| 0.195000        | 33.89            | ---             | 63.82        | 29.93       | N    | OFF    | 19.6       |
| 0.217230        | ---              | 25.21           | 52.92        | 27.71       | N    | OFF    | 19.6       |
| 0.217230        | 29.10            | ---             | 62.92        | 33.82       | N    | OFF    | 19.6       |
| 0.274380        | ---              | 24.23           | 50.98        | 26.75       | N    | OFF    | 19.6       |
| 0.274380        | 28.55            | ---             | 60.98        | 32.43       | N    | OFF    | 19.6       |
| 0.499470        | ---              | 25.21           | 46.01        | 20.80       | N    | OFF    | 19.6       |
| 0.499470        | 30.12            | ---             | 56.01        | 25.89       | N    | OFF    | 19.6       |
| 0.573000        | ---              | 24.96           | 46.00        | 21.04       | N    | OFF    | 19.6       |
| 0.573000        | 30.85            | ---             | 56.00        | 25.15       | N    | OFF    | 19.6       |
| 2.112360        | ---              | 27.73           | 46.00        | 18.27       | N    | OFF    | 19.6       |
| 2.112360        | 34.76            | ---             | 56.00        | 21.24       | N    | OFF    | 19.6       |
| 18.276360       | ---              | 30.81           | 50.00        | 19.19       | N    | OFF    | 20.3       |
| 18.276360       | 39.73            | ---             | 60.00        | 20.27       | N    | OFF    | 20.3       |





### Appendix C. Radiated Spurious Emission

|                 |                                    |                     |             |
|-----------------|------------------------------------|---------------------|-------------|
| Test Engineer : | Jimmy Chung · Karl Hou · Wilson Wu | Temperature :       | 21.5~23.5°C |
|                 |                                    | Relative Humidity : | 49.5~55.5%  |

<CDD Mode>

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

| WIFI Ant.                   | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|-----------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11a<br>CH 36<br>5180MHz |      | 5147.42           | 60.14            | -13.86            | 74                    | 48.76               | 32                      | 6.08             | 26.7                 | 100            | 246               | P                 | H            |   |
|                             |      | 5150              | 50.49            | -3.51             | 54                    | 39.11               | 32                      | 6.08             | 26.7                 | 100            | 246               | A                 | H            |   |
|                             | *    | 5180              | 107.35           | -                 | -                     | 96.13               | 31.82                   | 6.1              | 26.7                 | 100            | 246               | P                 | H            |   |
|                             | *    | 5180              | 99.59            | -                 | -                     | 88.37               | 31.82                   | 6.1              | 26.7                 | 100            | 246               | A                 | H            |   |
|                             |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |      |                   | 5149.5           | 59.72             | -14.28                | 74                  | 48.34                   | 32               | 6.08                 | 26.7           | 100               | 77                | P            | V |
|                             |      |                   | 5150             | 49.07             | -4.93                 | 54                  | 37.69                   | 32               | 6.08                 | 26.7           | 100               | 77                | A            | V |
|                             | *    |                   | 5180             | 105.77            | -                     | -                   | 94.55                   | 31.82            | 6.1                  | 26.7           | 100               | 77                | P            | V |
|                             | *    |                   | 5180             | 98.35             | -                     | -                   | 87.13                   | 31.82            | 6.1                  | 26.7           | 100               | 77                | A            | V |
|                             |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11a<br>CH 44<br>5220MHz |      | 5134.68           | 61.13            | -12.87            | 74                    | 49.76               | 32                      | 6.07             | 26.7                 | 193            | 305               | P                 | H            |   |
|                             |      | 5149.76           | 49.55            | -4.45             | 54                    | 38.17               | 32                      | 6.08             | 26.7                 | 193            | 305               | A                 | H            |   |
|                             | *    | 5220              | 111.33           | -                 | -                     | 100.34              | 31.58                   | 6.11             | 26.7                 | 193            | 305               | P                 | H            |   |
|                             | *    | 5220              | 103.77           | -                 | -                     | 92.78               | 31.58                   | 6.11             | 26.7                 | 193            | 305               | A                 | H            |   |
|                             |      |                   | 5435.92          | 51.69             | -22.31                | 74                  | 40.48                   | 31.74            | 6.16                 | 26.69          | 193               | 305               | P            | H |
|                             |      |                   | 5459.44          | 41.08             | -12.92                | 54                  | 29.77                   | 31.82            | 6.18                 | 26.69          | 193               | 305               | A            | H |
|                             |      |                   | 5134.68          | 62.41             | -11.59                | 74                  | 51.04                   | 32               | 6.07                 | 26.7           | 357               | 3                 | P            | V |
|                             |      |                   | 5149.24          | 49.1              | -4.9                  | 54                  | 37.72                   | 32               | 6.08                 | 26.7           | 357               | 3                 | A            | V |
|                             | *    |                   | 5220             | 111.11            | -                     | -                   | 100.12                  | 31.58            | 6.11                 | 26.7           | 357               | 3                 | P            | V |
|                             | *    |                   | 5220             | 103.3             | -                     | -                   | 92.31                   | 31.58            | 6.11                 | 26.7           | 357               | 3                 | A            | V |
|                             |      |                   | 5416.32          | 50.9              | -23.1                 | 74                  | 39.78                   | 31.67            | 6.14                 | 26.69          | 357               | 3                 | P            | V |
|                             |      |                   | 5458.6           | 41.04             | -12.96                | 54                  | 29.73                   | 31.82            | 6.18                 | 26.69          | 357               | 3                 | A            | V |



|                                      |   |         |        |        |    |        |       |      |       |     |     |   |   |
|--------------------------------------|---|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 48<br/>5240MHz</b> |   | 5149.76 | 55.55  | -18.45 | 74 | 44.17  | 32    | 6.08 | 26.7  | 188 | 306 | P | H |
|                                      |   | 5150    | 44.75  | -9.25  | 54 | 33.37  | 32    | 6.08 | 26.7  | 188 | 306 | A | H |
|                                      | *   | 5240    | 111.46 | -      | -  | 100.59 | 31.46 | 6.11 | 26.7  | 188 | 306 | P | H |
|                                      | *   | 5240    | 103.88 | -      | -  | 93.01  | 31.46 | 6.11 | 26.7  | 188 | 306 | A | H |
|                                      |   | 5435.08 | 51.76  | -22.24 | 74 | 40.55  | 31.74 | 6.16 | 26.69 | 188 | 306 | P | H |
|                                      |   | 5350.52 | 41.58  | -12.42 | 54 | 30.76  | 31.4  | 6.12 | 26.7  | 188 | 306 | A | H |
|                                      |   | 5144.82 | 57.37  | -16.63 | 74 | 45.99  | 32    | 6.08 | 26.7  | 354 | 2   | P | V |
|                                      |   | 5150    | 45.21  | -8.79  | 54 | 33.83  | 32    | 6.08 | 26.7  | 354 | 2   | A | V |
|                                      | *   | 5240    | 111.38 | -      | -  | 100.51 | 31.46 | 6.11 | 26.7  | 354 | 2   | P | V |
|                                      | *   | 5240    | 103.49 | -      | -  | 92.62  | 31.46 | 6.11 | 26.7  | 354 | 2   | A | V |
|                                      |   | 5351.36 | 50.41  | -23.59 | 74 | 39.58  | 31.41 | 6.12 | 26.7  | 354 | 2   | P | V |
|                                      |   | 5350    | 41.63  | -12.37 | 54 | 30.81  | 31.4  | 6.12 | 26.7  | 354 | 2   | A | V |
| <b>Remark</b>                        | <ol style="list-style-type: none"> <li>1. No other spurious found.</li> <li>2. All results are PASS against Peak and Average limit line.</li> </ol> |         |        |        |    |        |       |      |       |     |     |   |   |



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

| WIFI Ant. 1+2               | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a<br>CH 36<br>5180MHz |   | 10360             | 45.98            | -22.22            | 68.2                  | 53.29             | 39.74                   | 9.91             | 56.96                | 100            | 0                 | P               | H          |
|                             |   | 15540             | 46.41            | -27.59            | 74                    | 51.65             | 38.76                   | 12.65            | 56.65                | 100            | 0                 | P               | H          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                             |   | 10360             | 46.2             | -22               | 68.2                  | 53.51             | 39.74                   | 9.91             | 56.96                | 100            | 0                 | P               | V          |
|                             |   | 15540             | 45.84            | -28.16            | 74                    | 51.08             | 38.76                   | 12.65            | 56.65                | 100            | 0                 | P               | V          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| 802.11a<br>CH 44<br>5220MHz |   | 10440             | 46.5             | -21.7             | 68.2                  | 53.53             | 39.94                   | 9.95             | 56.92                | 100            | 0                 | P               | H          |
|                             |   | 15660             | 48.32            | -25.68            | 74                    | 53.89             | 38.22                   | 12.72            | 56.51                | 100            | 0                 | P               | H          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                             |   | 10440             | 47.31            | -20.89            | 68.2                  | 54.34             | 39.94                   | 9.95             | 56.92                | 100            | 0                 | P               | V          |
|                             |   | 15660             | 45.31            | -28.69            | 74                    | 50.88             | 38.22                   | 12.72            | 56.51                | 100            | 0                 | P               | V          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| 802.11a<br>CH 48<br>5240MHz |   | 10480             | 46.81            | -21.39            | 68.2                  | 53.77             | 39.98                   | 9.97             | 56.91                | 100            | 0                 | P               | H          |
|                             |   | 15720             | 45.7             | -28.3             | 74                    | 51.3              | 38.1                    | 12.74            | 56.44                | 100            | 0                 | P               | H          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                             |   | 10480             | 46.79            | -21.41            | 68.2                  | 53.75             | 39.98                   | 9.97             | 56.91                | 100            | 0                 | P               | V          |
|                             |   | 15720             | 44.94            | -29.06            | 74                    | 50.54             | 38.1                    | 12.74            | 56.44                | 100            | 0                 | P               | V          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| <b>Remark</b>               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI Ant. 1+2                | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|------------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ac VHT20 CH 36 5180MHz |      | 5150              | 58.29            | -15.71            | 74                    | 46.91               | 32                      | 6.08             | 26.7                 | 100            | 232               | P                 | H            |   |
|                              |      | 5150              | 50.1             | -3.9              | 54                    | 38.72               | 32                      | 6.08             | 26.7                 | 100            | 232               | A                 | H            |   |
|                              | *    | 5180              | 106.22           | -                 | -                     | 95                  | 31.82                   | 6.1              | 26.7                 | 100            | 232               | P                 | H            |   |
|                              | *    | 5180              | 97.63            | -                 | -                     | 86.41               | 31.82                   | 6.1              | 26.7                 | 100            | 232               | A                 | H            |   |
|                              |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                              |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | H |
|                              |      |                   | 5148.46          | 58.55             | -15.45                | 74                  | 47.17                   | 32               | 6.08                 | 26.7           | 100               | 211               | P            | V |
|                              |      |                   | 5150             | 49.19             | -4.81                 | 54                  | 37.81                   | 32               | 6.08                 | 26.7           | 100               | 211               | A            | V |
|                              |      | *                 | 5180             | 105.55            | -                     | -                   | 94.33                   | 31.82            | 6.1                  | 26.7           | 100               | 211               | P            | V |
|                              |      | *                 | 5180             | 97.62             | -                     | -                   | 86.4                    | 31.82            | 6.1                  | 26.7           | 100               | 211               | A            | V |
|                              |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|                              |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
| 802.11ac VHT20 CH 44 5220MHz |      | 5146.64           | 60.66            | -13.34            | 74                    | 49.28               | 32                      | 6.08             | 26.7                 | 100            | 230               | P                 | H            |   |
|                              |      | 5149.5            | 50.22            | -3.78             | 54                    | 38.84               | 32                      | 6.08             | 26.7                 | 100            | 230               | A                 | H            |   |
|                              |      | * 5220            | 109.37           | -                 | -                     | 98.38               | 31.58                   | 6.11             | 26.7                 | 100            | 230               | P                 | H            |   |
|                              |      | * 5220            | 100.7            | -                 | -                     | 89.71               | 31.58                   | 6.11             | 26.7                 | 100            | 230               | A                 | H            |   |
|                              |      |                   | 5439.28          | 50.6              | -23.4                 | 74                  | 39.37                   | 31.76            | 6.16                 | 26.69          | 100               | 230               | P            | H |
|                              |      |                   | 5460             | 41.26             | -12.74                | 54                  | 29.95                   | 31.82            | 6.18                 | 26.69          | 100               | 230               | A            | H |
|                              |      |                   | 5143.52          | 60.73             | -13.27                | 74                  | 49.35                   | 32               | 6.08                 | 26.7           | 329               | 149               | P            | V |
|                              |      |                   | 5150             | 50.69             | -3.31                 | 54                  | 39.31                   | 32               | 6.08                 | 26.7           | 329               | 149               | A            | V |
|                              |      | *                 | 5220             | 108.85            | -                     | -                   | 97.86                   | 31.58            | 6.11                 | 26.7           | 329               | 149               | P            | V |
|                              |      | *                 | 5220             | 100.78            | -                     | -                   | 89.79                   | 31.58            | 6.11                 | 26.7           | 329               | 149               | A            | V |
|                              |      | 5353.04           | 51.39            | -22.61            | 74                    | 40.56               | 31.41                   | 6.12             | 26.7                 | 329            | 149               | P                 | V            |   |
|                              |      | 5458.88           | 41.24            | -12.76            | 54                    | 29.93               | 31.82                   | 6.18             | 26.69                | 329            | 149               | A                 | V            |   |



|   |   |         |        |        |    |       |       |      |      |     |     |   |   |
|---|---|---------|--------|--------|----|-------|-------|------|------|-----|-----|---|---|
| <b>802.11ac</b><br><br><b>VHT20</b><br><br><b>CH 48</b><br><br><b>5240MHz</b> |   | 5143.52 | 58.49  | -15.51 | 74 | 47.11 | 32    | 6.08 | 26.7 | 163 | 38  | P | H |
|   |   | 5150    | 46.26  | -7.74  | 54 | 34.88 | 32    | 6.08 | 26.7 | 163 | 38  | A | H |
|   | *   | 5240    | 110.12 | -      | -  | 99.25 | 31.46 | 6.11 | 26.7 | 163 | 38  | P | H |
|   | *   | 5240    | 101.71 | -      | -  | 90.84 | 31.46 | 6.11 | 26.7 | 163 | 38  | A | H |
|   |   | 5362.84 | 51.11  | -22.89 | 74 | 40.24 | 31.45 | 6.12 | 26.7 | 163 | 38  | P | H |
|   |   | 5350    | 41.74  | -12.26 | 54 | 30.92 | 31.4  | 6.12 | 26.7 | 163 | 38  | A | H |
|   |   | 5150    | 58.12  | -15.88 | 74 | 46.74 | 32    | 6.08 | 26.7 | 272 | 329 | P | V |
|   |   | 5150    | 47.06  | -6.94  | 54 | 35.68 | 32    | 6.08 | 26.7 | 272 | 329 | A | V |
|   | *   | 5240    | 109.78 | -      | -  | 98.91 | 31.46 | 6.11 | 26.7 | 272 | 329 | P | V |
|   | *   | 5240    | 101.59 | -      | -  | 90.72 | 31.46 | 6.11 | 26.7 | 272 | 329 | A | V |
|   |   | 5354.16 | 50.86  | -23.14 | 74 | 40.02 | 31.42 | 6.12 | 26.7 | 272 | 329 | P | V |
|   |   | 5350    | 41.8   | -12.2  | 54 | 30.98 | 31.4  | 6.12 | 26.7 | 272 | 329 | A | V |
| <b>Remark</b>   | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |      |      |     |     |   |   |



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT20 (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ac VHT20 CH 36 5180MHz |  | 10360             | 47.33            | -20.87            | 68.2                  | 54.64               | 39.74                   | 9.91             | 56.96                | 100            | 0                 | P                 | H            |   |
|                              |  | 15540             | 46.01            | -27.99            | 74                    | 51.25               | 38.76                   | 12.65            | 56.65                | 100            | 0                 | P                 | H            |   |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                              |  |                   | 10360            | 47.29             | -20.91                | 68.2                | 54.6                    | 39.74            | 9.91                 | 56.96          | 100               | 0                 | P            | V |
|                              |  |                   | 15540            | 45.92             | -28.08                | 74                  | 51.16                   | 38.76            | 12.65                | 56.65          | 100               | 0                 | P            | V |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ac VHT20 CH 44 5220MHz |  | 10440             | 48               | -20.2             | 68.2                  | 55.03               | 39.94                   | 9.95             | 56.92                | 100            | 0                 | P                 | H            |   |
|                              |  | 15660             | 45.79            | -28.21            | 74                    | 51.36               | 38.22                   | 12.72            | 56.51                | 100            | 0                 | P                 | H            |   |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                              |  |                   | 10440            | 47.56             | -20.64                | 68.2                | 54.59                   | 39.94            | 9.95                 | 56.92          | 100               | 0                 | P            | V |
|                              |  |                   | 15660            | 44.81             | -29.19                | 74                  | 50.38                   | 38.22            | 12.72                | 56.51          | 100               | 0                 | P            | V |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ac VHT20 CH 48 5240MHz |  | 10480             | 48.37            | -19.83            | 68.2                  | 55.33               | 39.98                   | 9.97             | 56.91                | 100            | 0                 | P                 | H            |   |
|                              |  | 15720             | 47.13            | -26.87            | 74                    | 52.73               | 38.1                    | 12.74            | 56.44                | 100            | 0                 | P                 | H            |   |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                              |  |                   | 10480            | 47.55             | -20.65                | 68.2                | 54.51                   | 39.98            | 9.97                 | 56.91          | 100               | 0                 | P            | V |
|                              |  |                   | 15720            | 46                | -28                   | 74                  | 51.6                    | 38.1             | 12.74                | 56.44          | 100               | 0                 | P            | V |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| Remark                       | 1. No other spurious found.                                  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |
|                              | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT40 CH 38 5190MHz |   | 5149.24           | 59.67            | -14.33            | 74                    | 48.29               | 32                      | 6.08             | 26.7                 | 100            | 212               | P                 | V            |
|                              |   | 5150              | 49.2             | -4.8              | 54                    | 37.82               | 32                      | 6.08             | 26.7                 | 100            | 212               | A                 | V            |
|                              | *   | 5190              | 101.19           | -                 | -                     | 90.03               | 31.76                   | 6.1              | 26.7                 | 100            | 212               | P                 | V            |
|                              | *   | 5190              | 93.4             | -                 | -                     | 82.24               | 31.76                   | 6.1              | 26.7                 | 100            | 212               | A                 | V            |
|                              |   | 5450.48           | 50.29            | -23.71            | 74                    | 39.01               | 31.8                    | 6.17             | 26.69                | 100            | 212               | P                 | V            |
|                              |   | 5457.76           | 41.27            | -12.73            | 54                    | 29.96               | 31.82                   | 6.18             | 26.69                | 100            | 212               | A                 | V            |
|                              |   | 5150              | 60.02            | -13.98            | 74                    | 48.64               | 32                      | 6.08             | 26.7                 | 100            | 230               | P                 | H            |
|                              |   | 5149.5            | 50.27            | -3.73             | 54                    | 38.89               | 32                      | 6.08             | 26.7                 | 100            | 230               | A                 | H            |
|                              | *   | 5190              | 100.9            | -                 | -                     | 89.74               | 31.76                   | 6.1              | 26.7                 | 100            | 230               | P                 | H            |
|                              | *   | 5190              | 93.13            | -                 | -                     | 81.97               | 31.76                   | 6.1              | 26.7                 | 100            | 230               | A                 | H            |
|                              |   | 5405.12           | 50.88            | -23.12            | 74                    | 39.82               | 31.62                   | 6.13             | 26.69                | 100            | 230               | P                 | H            |
|                              |   | 5458.6            | 41.26            | -12.74            | 54                    | 29.95               | 31.82                   | 6.18             | 26.69                | 100            | 230               | A                 | H            |
| 802.11ac VHT40 CH 46 5230MHz |   | 5147.68           | 60.34            | -13.66            | 74                    | 48.96               | 32                      | 6.08             | 26.7                 | 100            | 230               | P                 | H            |
|                              |   | 5150              | 49.06            | -4.94             | 54                    | 37.68               | 32                      | 6.08             | 26.7                 | 100            | 230               | A                 | H            |
|                              | *   | 5230              | 103.84           | -                 | -                     | 92.91               | 31.52                   | 6.11             | 26.7                 | 100            | 230               | P                 | H            |
|                              | *   | 5230              | 96.04            | -                 | -                     | 85.11               | 31.52                   | 6.11             | 26.7                 | 100            | 230               | A                 | H            |
|                              |   | 5399.24           | 50.15            | -23.85            | 74                    | 39.12               | 31.6                    | 6.12             | 26.69                | 100            | 230               | P                 | H            |
|                              |   | 5459.16           | 41.23            | -12.77            | 54                    | 29.92               | 31.82                   | 6.18             | 26.69                | 100            | 230               | A                 | H            |
|                              |   | 5146.64           | 55.64            | -18.36            | 74                    | 44.26               | 32                      | 6.08             | 26.7                 | 106            | 210               | P                 | V            |
|                              |   | 5150              | 48.01            | -5.99             | 54                    | 36.63               | 32                      | 6.08             | 26.7                 | 106            | 210               | A                 | V            |
|                              | *   | 5230              | 104.48           | -                 | -                     | 93.55               | 31.52                   | 6.11             | 26.7                 | 106            | 210               | P                 | V            |
|                              | *   | 5230              | 96.87            | -                 | -                     | 85.94               | 31.52                   | 6.11             | 26.7                 | 106            | 210               | A                 | V            |
|                              | 5401.48   | 50.16             | -23.84           | 74                | 39.12                 | 31.61               | 6.12                    | 26.69            | 106                  | 210            | P                 | V                 |              |
|                              | 5460  | 41.29             | -12.71           | 54                | 29.98                 | 31.82               | 6.18                    | 26.69            | 106                  | 210            | A                 | V                 |              |
| <b>Remark</b>                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |



**Band 1 5150~5250MHz  
WIFI 802.11ac 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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|---------------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ac<br>VHT40<br>CH 38<br>5190MHz |  | 10380             | 46.93            | -21.27            | 68.2                  | 54.14             | 39.82                   | 9.92             | 56.95                | 100            | 0                 | P               | H          |   |
|                                       |  | 15570             | 46.02            | -27.98            | 74                    | 51.4              | 38.58                   | 12.66            | 56.62                | 100            | 0                 | P               | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   | 10380            | 46.61             | -21.59                | 68.2              | 53.82                   | 39.82            | 9.92                 | 56.95          | 100               | 0               | P          | V |
|                                       |  |                   | 15570            | 46.18             | -27.82                | 74                | 51.56                   | 38.58            | 12.66                | 56.62          | 100               | 0               | P          | V |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ac<br>VHT40<br>CH 46<br>5230MHz |  | 10460             | 47.58            | -20.62            | 68.2                  | 54.58             | 39.96                   | 9.96             | 56.92                | 100            | 0                 | P               | H          |   |
|                                       |  | 15690             | 45.05            | -28.95            | 74                    | 50.67             | 38.13                   | 12.72            | 56.47                | 100            | 0                 | P               | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   | 10460            | 47.36             | -20.84                | 68.2              | 54.36                   | 39.96            | 9.96                 | 56.92          | 100               | 0               | P          | V |
|                                       |  |                   | 15690            | 45.15             | -28.85                | 74                | 50.77                   | 38.13            | 12.72                | 56.47          | 100               | 0               | P          | V |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| Remark                                | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |
|                                       | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |





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

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 42 5210MHz |   | 5142.22           | 60.97            | -13.03            | 74                    | 49.59             | 32                      | 6.08             | 26.7                 | 136            | 285               | P               | H          |
|                              |   | 5148.2            | 50.69            | -3.31             | 54                    | 39.31             | 32                      | 6.08             | 26.7                 | 136            | 285               | A               | H          |
|                              | *   | 5210              | 98.85            | -                 | -                     | 87.8              | 31.64                   | 6.11             | 26.7                 | 136            | 285               | P               | H          |
|                              | *   | 5210              | 90.26            | -                 | -                     | 79.21             | 31.64                   | 6.11             | 26.7                 | 136            | 285               | A               | H          |
|                              |   | 5447.96           | 51.72            | -22.28            | 74                    | 40.45             | 31.79                   | 6.17             | 26.69                | 136            | 285               | P               | H          |
|                              |   | 5459.72           | 41.5             | -12.5             | 54                    | 30.19             | 31.82                   | 6.18             | 26.69                | 136            | 285               | A               | H          |
|                              |   | 5147.68           | 54.54            | -19.46            | 74                    | 43.16             | 32                      | 6.08             | 26.7                 | 300            | 240               | P               | V          |
|                              |   | 5149.24           | 44.29            | -9.71             | 54                    | 32.91             | 32                      | 6.08             | 26.7                 | 300            | 240               | A               | V          |
|                              | *   | 5210              | 91.63            | -                 | -                     | 80.58             | 31.64                   | 6.11             | 26.7                 | 300            | 240               | P               | V          |
|                              | *   | 5210              | 83.43            | -                 | -                     | 72.38             | 31.64                   | 6.11             | 26.7                 | 300            | 240               | A               | V          |
|                              |   | 5458.04           | 51.26            | -22.74            | 74                    | 39.95             | 31.82                   | 6.18             | 26.69                | 300            | 240               | P               | V          |
|                              |   | 5458.6            | 41.43            | -12.57            | 54                    | 30.12             | 31.82                   | 6.18             | 26.69                | 300            | 240               | A               | V          |
| <b>Remark</b>                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



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

| WIFI 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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|---------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ac<br>VHT80<br>CH 42<br>5210MHz |   | 10420             | 47.61            | -20.59            | 68.2                  | 54.68             | 39.92                   | 9.94             | 56.93                | 100            | 0                 | P               | H          |   |
|                                       |   | 15630             | 45.82            | -28.18            | 74                    | 51.35             | 38.31                   | 12.7             | 56.54                | 100            | 0                 | P               | H          |   |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |   |                   | 10420            | 46.87             | -21.33                | 68.2              | 53.94                   | 39.92            | 9.94                 | 56.93          | 100               | 0               | P          | V |
|                                       |   |                   | 15630            | 45.63             | -28.37                | 74                | 51.16                   | 38.31            | 12.7                 | 56.54          | 100               | 0               | P          | V |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



Emission below 1GHz  
WIFI 802.11ac VHT80 (LF @ 3m)

| WIFI                    | Note   | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |   |
|-------------------------|--|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|---|
| Ant.                    |  |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |   |
| 1+2                     |  | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |   |
| 802.11ac<br>VHT80<br>LF |  | 155.13    | 18.71      | -24.79 | 43.5       | 33.29    | 16.57    | 1.07   | 32.22  | -      | -       | P       | H       |   |
|                         |  | 259.89    | 23.46      | -22.54 | 46         | 34.53    | 19.68    | 1.37   | 32.12  | -      | -       | P       | H       |   |
|                         |  | 756.53    | 30.97      | -15.03 | 46         | 32.64    | 27.8     | 2.34   | 31.81  | -      | -       | P       | H       |   |
|                         |  | 836.07    | 32.03      | -13.97 | 46         | 32.85    | 28.44    | 2.57   | 31.83  | -      | -       | P       | H       |   |
|                         |  | 903.97    | 39.57      | -6.43  | 46         | 39.76    | 28.78    | 2.61   | 31.58  | 100    | 0       | P       | H       |   |
|                         |  | 947.62    | 33.75      | -12.25 | 46         | 31.76    | 30.36    | 2.66   | 31.03  | -      | -       | P       | H       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                         |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                         |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                         |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                         |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                         |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                         |  |           | 31.94      | 29.29  | -10.71     | 40       | 37.42    | 23.64  | 0.46   | 32.23  | -       | -       | P       | V |
|                         |  |           | 42.61      | 26.92  | -13.08     | 40       | 40.65    | 18.03  | 0.52   | 32.28  | -       | -       | P       | V |
|                         |  |           | 836.07     | 32.76  | -13.24     | 46       | 33.58    | 28.44  | 2.57   | 31.83  | -       | -       | P       | V |
|                         |  |           | 896.21     | 38.19  | -7.81      | 46       | 38.52    | 28.7   | 2.61   | 31.64  | -       | -       | P       | V |
|                         |  |           | 903.97     | 39.95  | -6.05      | 46       | 40.14    | 28.78  | 2.61   | 31.58  | 100     | 0       | P       | V |
|                         |  |           | 959.26     | 33.68  | -12.32     | 46       | 31.19    | 30.69  | 2.68   | 30.88  | -       | -       | P       | V |
|                         |  |           |            |        |            |          |          |        |        |        |         |         |         | V |
|                         |  |           |            |        |            |          |          |        |        |        |         |         |         | V |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
| <b>Remark</b>           | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |   |



Band 1 - 5150~5250MHz

WIFI 802.11ax HE20 (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 ) |   |
| 802.11ax<br>HE20<br>CH 36<br>5180MHz |      | 5150      | 58.82      | -15.18 | 74         | 47.44    | 32       | 6.08   | 26.7   | 100    | 306     | P       | H       |   |
|                                      |      | 5150      | 49.48      | -4.52  | 54         | 38.1     | 32       | 6.08   | 26.7   | 100    | 306     | A       | H       |   |
|                                      | *    | 5180      | 109.34     | -      | -          | 98.12    | 31.82    | 6.1    | 26.7   | 100    | 306     | P       | H       |   |
|                                      | *    | 5180      | 99.32      | -      | -          | 88.1     | 31.82    | 6.1    | 26.7   | 100    | 306     | A       | H       |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                                      |      |           | 5148.46    | 56.24  | -17.76     | 74       | 44.86    | 32     | 6.08   | 26.7   | 239     | 359     | P       | V |
|                                      |      |           | 5150       | 46.54  | -7.46      | 54       | 35.16    | 32     | 6.08   | 26.7   | 239     | 359     | A       | V |
|                                      | *    |           | 5180       | 107.75 | -          | -        | 96.53    | 31.82  | 6.1    | 26.7   | 239     | 359     | P       | V |
|                                      | *    |           | 5180       | 97.3   | -          | -        | 86.08    | 31.82  | 6.1    | 26.7   | 239     | 359     | A       | V |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |   |
| 802.11ax<br>HE20<br>CH 44<br>5220MHz |      | 5138.84   | 56.77      | -17.23 | 74         | 45.39    | 32       | 6.08   | 26.7   | 104    | 306     | P       | H       |   |
|                                      |      | 5150      | 48.92      | -5.08  | 54         | 37.54    | 32       | 6.08   | 26.7   | 104    | 306     | A       | H       |   |
|                                      | *    | 5220      | 111.28     | -      | -          | 100.29   | 31.58    | 6.11   | 26.7   | 104    | 306     | P       | H       |   |
|                                      | *    | 5220      | 102.11     | -      | -          | 91.12    | 31.58    | 6.11   | 26.7   | 104    | 306     | A       | H       |   |
|                                      |      |           | 5456.36    | 50.67  | -23.33     | 74       | 39.37    | 31.81  | 6.18   | 26.69  | 104     | 306     | P       | H |
|                                      |      |           | 5458.88    | 41.13  | -12.87     | 54       | 29.82    | 31.82  | 6.18   | 26.69  | 104     | 306     | A       | H |
|                                      |      |           | 5144.3     | 53.88  | -20.12     | 74       | 42.5     | 32     | 6.08   | 26.7   | 249     | 1       | P       | V |
|                                      |      |           | 5150       | 44.05  | -9.95      | 54       | 32.67    | 32     | 6.08   | 26.7   | 249     | 1       | A       | V |
|                                      | *    |           | 5220       | 108.98 | -          | -        | 97.99    | 31.58  | 6.11   | 26.7   | 249     | 1       | P       | V |
|                                      | *    |           | 5220       | 99.84  | -          | -        | 88.85    | 31.58  | 6.11   | 26.7   | 249     | 1       | A       | V |
|                                      |      | 5429.76   | 51.03      | -22.97 | 74         | 39.85    | 31.72    | 6.15   | 26.69  | 249    | 1       | P       | V       |   |
|                                      |      | 5458.32   | 41.13      | -12.87 | 54         | 29.82    | 31.82    | 6.18   | 26.69  | 249    | 1       | A       | V       |   |



|  |   |         |        |        |    |        |       |      |      |     |     |   |   |
|--|---|---------|--------|--------|----|--------|-------|------|------|-----|-----|---|---|
| <b>802.11ax</b><br><br><b>HE20</b><br><br><b>CH 48</b><br><br><b>5240MHz</b> |   | 5145.08 | 56.78  | -17.22 | 74 | 45.4   | 32    | 6.08 | 26.7 | 102 | 316 | P | H |
|  |   | 5149.5  | 47.52  | -6.48  | 54 | 36.14  | 32    | 6.08 | 26.7 | 102 | 316 | A | H |
|  | *   | 5240    | 113.43 | -      | -  | 102.56 | 31.46 | 6.11 | 26.7 | 102 | 316 | P | H |
|  | *   | 5240    | 104.33 | -      | -  | 93.46  | 31.46 | 6.11 | 26.7 | 102 | 316 | A | H |
|  |   | 5352.48 | 52.61  | -21.39 | 74 | 41.78  | 31.41 | 6.12 | 26.7 | 102 | 316 | P | H |
|  |   | 5350.24 | 42.62  | -11.38 | 54 | 31.8   | 31.4  | 6.12 | 26.7 | 102 | 316 | A | H |
|  |   | 5134.68 | 54.16  | -19.84 | 74 | 42.79  | 32    | 6.07 | 26.7 | 383 | 297 | P | V |
|  |   | 5150    | 44.01  | -9.99  | 54 | 32.63  | 32    | 6.08 | 26.7 | 383 | 297 | A | V |
|  | *   | 5240    | 108.98 | -      | -  | 98.11  | 31.46 | 6.11 | 26.7 | 383 | 297 | P | V |
|  | *   | 5240    | 99.36  | -      | -  | 88.49  | 31.46 | 6.11 | 26.7 | 383 | 297 | A | V |
|  |   | 5353.6  | 53.15  | -20.85 | 74 | 42.32  | 31.41 | 6.12 | 26.7 | 383 | 297 | P | V |
|  |   | 5350.24 | 41.99  | -12.01 | 54 | 31.17  | 31.4  | 6.12 | 26.7 | 383 | 297 | A | V |
| <b>Remark</b>  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |      |     |     |   |   |



Band 1 5150~5250MHz

WIFI 802.11ax HE20 (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax<br>HE20<br>CH 36<br>5180MHz |  | 10360             | 46.64            | -21.56            | 68.2                  | 53.95             | 39.74                   | 9.91             | 56.96                | 100            | 0                 | P               | H          |
|                                      |  | 15540             | 46.04            | -27.96            | 74                    | 51.28             | 38.76                   | 12.65            | 56.65                | 100            | 0                 | P               | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  | 10360             | 46.8             | -21.4             | 68.2                  | 54.11             | 39.74                   | 9.91             | 56.96                | 100            | 0                 | P               | V          |
|                                      |  | 15540             | 46.06            | -27.94            | 74                    | 51.3              | 38.76                   | 12.65            | 56.65                | 100            | 0                 | P               | V          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| 802.11ax<br>HE20<br>CH 44<br>5220MHz |  | 10440             | 47.76            | -20.44            | 68.2                  | 54.79             | 39.94                   | 9.95             | 56.92                | 100            | 0                 | P               | H          |
|                                      |  | 15660             | 45.83            | -28.17            | 74                    | 51.4              | 38.22                   | 12.72            | 56.51                | 100            | 0                 | P               | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  | 10440             | 47.53            | -20.67            | 68.2                  | 54.56             | 39.94                   | 9.95             | 56.92                | 100            | 0                 | P               | V          |
|                                      |  | 15660             | 45.92            | -28.08            | 74                    | 51.49             | 38.22                   | 12.72            | 56.51                | 100            | 0                 | P               | V          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| 802.11ax<br>HE20<br>CH 48<br>5240MHz |  | 10480             | 48.51            | -19.69            | 68.2                  | 55.47             | 39.98                   | 9.97             | 56.91                | 100            | 0                 | P               | H          |
|                                      |  | 15720             | 48.94            | -25.06            | 74                    | 54.54             | 38.1                    | 12.74            | 56.44                | 100            | 0                 | P               | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  | 10480             | 47.66            | -20.54            | 68.2                  | 54.62             | 39.98                   | 9.97             | 56.91                | 100            | 0                 | P               | V          |
|                                      |  | 15720             | 47.25            | -26.75            | 74                    | 52.85             | 38.1                    | 12.74            | 56.44                | 100            | 0                 | P               | V          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| Remark                               | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |
|                                      | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE40 (Band Edge @ 3m)**

| WIFI Ant. 1+2               | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE40 CH 38 5190MHz |   | 5148.2            | 59.3             | -14.7             | 74                    | 47.92             | 32                      | 6.08             | 26.7                 | 103            | 307               | P               | H          |
|                             |   | 5150              | 47.61            | -6.39             | 54                    | 36.23             | 32                      | 6.08             | 26.7                 | 103            | 307               | A               | H          |
|                             | *   | 5190              | 103.85           | -                 | -                     | 92.69             | 31.76                   | 6.1              | 26.7                 | 103            | 307               | P               | H          |
|                             | *   | 5190              | 95.01            | -                 | -                     | 83.85             | 31.76                   | 6.1              | 26.7                 | 103            | 307               | A               | H          |
|                             |   | 5458.32           | 50.25            | -23.75            | 74                    | 38.94             | 31.82                   | 6.18             | 26.69                | 103            | 307               | P               | H          |
|                             |   | 5460              | 41.12            | -12.88            | 54                    | 29.81             | 31.82                   | 6.18             | 26.69                | 103            | 307               | A               | H          |
|                             |   | 5149.76           | 56.45            | -17.55            | 74                    | 45.07             | 32                      | 6.08             | 26.7                 | 264            | 4                 | P               | V          |
|                             |   | 5150              | 46.19            | -7.81             | 54                    | 34.81             | 32                      | 6.08             | 26.7                 | 264            | 4                 | A               | V          |
|                             | *   | 5190              | 102.03           | -                 | -                     | 90.87             | 31.76                   | 6.1              | 26.7                 | 264            | 4                 | P               | V          |
|                             | *   | 5190              | 93.05            | -                 | -                     | 81.89             | 31.76                   | 6.1              | 26.7                 | 264            | 4                 | A               | V          |
|                             |   | 5439.28           | 50.13            | -23.87            | 74                    | 38.9              | 31.76                   | 6.16             | 26.69                | 264            | 4                 | P               | V          |
|                             |   | 5458.6            | 41.11            | -12.89            | 54                    | 29.8              | 31.82                   | 6.18             | 26.69                | 264            | 4                 | A               | V          |
| 802.11ax HE40 CH 46 5230MHz |   | 5147.42           | 56.74            | -17.26            | 74                    | 45.36             | 32                      | 6.08             | 26.7                 | 102            | 306               | P               | H          |
|                             |   | 5149.76           | 48.36            | -5.64             | 54                    | 36.98             | 32                      | 6.08             | 26.7                 | 102            | 306               | A               | H          |
|                             | *   | 5230              | 106.33           | -                 | -                     | 95.4              | 31.52                   | 6.11             | 26.7                 | 102            | 306               | P               | H          |
|                             | *   | 5230              | 97.97            | -                 | -                     | 87.04             | 31.52                   | 6.11             | 26.7                 | 102            | 306               | A               | H          |
|                             |   | 5446              | 50.67            | -23.33            | 74                    | 39.41             | 31.78                   | 6.17             | 26.69                | 102            | 306               | P               | H          |
|                             |   | 5459.72           | 41.15            | -12.85            | 54                    | 29.84             | 31.82                   | 6.18             | 26.69                | 102            | 306               | A               | H          |
|                             |   | 5148.46           | 56.15            | -17.85            | 74                    | 44.77             | 32                      | 6.08             | 26.7                 | 278            | 355               | P               | V          |
|                             |   | 5149.5            | 46.58            | -7.42             | 54                    | 35.2              | 32                      | 6.08             | 26.7                 | 278            | 355               | A               | V          |
|                             | *   | 5230              | 104.26           | -                 | -                     | 93.33             | 31.52                   | 6.11             | 26.7                 | 278            | 355               | P               | V          |
|                             | *   | 5230              | 95.94            | -                 | -                     | 85.01             | 31.52                   | 6.11             | 26.7                 | 278            | 355               | A               | V          |
|                             | 5451.6  | 50.43             | -23.57           | 74                | 39.15                 | 31.8              | 6.17                    | 26.69            | 278                  | 355            | P                 | V               |            |
|                             | 5459.16   | 41.15             | -12.85           | 54                | 29.84                 | 31.82             | 6.18                    | 26.69            | 278                  | 355            | A                 | V               |            |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE40 (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|--------------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax<br>HE40<br>CH 38<br>5190MHz |  | 10380             | 46.65            | -21.55            | 68.2                  | 53.86             | 39.82                   | 9.92             | 56.95                | 100            | 0                 | P               | H          |   |
|                                      |  | 15570             | 46.25            | -27.75            | 74                    | 51.63             | 38.58                   | 12.66            | 56.62                | 100            | 0                 | P               | H          |   |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                      |  |                   | 10380            | 47.7              | -20.5                 | 68.2              | 54.91                   | 39.82            | 9.92                 | 56.95          | 100               | 0               | P          | V |
|                                      |  |                   | 15570            | 46.62             | -27.38                | 74                | 52                      | 38.58            | 12.66                | 56.62          | 100               | 0               | P          | V |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ax<br>HE40<br>CH 46<br>5230MHz |  | 10460             | 47.13            | -21.07            | 68.2                  | 54.13             | 39.96                   | 9.96             | 56.92                | 100            | 0                 | P               | H          |   |
|                                      |  | 15690             | 45.3             | -28.7             | 74                    | 50.92             | 38.13                   | 12.72            | 56.47                | 100            | 0                 | P               | H          |   |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                      |  |                   | 10460            | 47.75             | -20.45                | 68.2              | 54.75                   | 39.96            | 9.96                 | 56.92          | 100               | 0               | P          | V |
|                                      |  |                   | 15690            | 46.73             | -27.27                | 74                | 52.35                   | 38.13            | 12.72                | 56.47          | 100               | 0               | P          | V |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| Remark                               | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |
|                                      | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |





**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 (Band Edge @ 3m)**

| WIFI Ant. 1+2                      | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| <b>802.11ax HE80 CH 42 5210MHz</b> |   | 5142.22           | 58.07            | -15.93            | 74                    | 46.69             | 32                      | 6.08             | 26.7                 | 112            | 307               | P               | H          |
|                                    |   | 5148.2            | 48.8             | -5.2              | 54                    | 37.42             | 32                      | 6.08             | 26.7                 | 112            | 307               | A               | H          |
|                                    | *   | 5210              | 101.97           | -                 | -                     | 90.92             | 31.64                   | 6.11             | 26.7                 | 112            | 307               | P               | H          |
|                                    | *   | 5210              | 92.79            | -                 | -                     | 81.74             | 31.64                   | 6.11             | 26.7                 | 112            | 307               | A               | H          |
|                                    |   | 5450.76           | 50.46            | -23.54            | 74                    | 39.18             | 31.8                    | 6.17             | 26.69                | 112            | 307               | P               | H          |
|                                    |   | 5460              | 41.17            | -12.83            | 54                    | 29.86             | 31.82                   | 6.18             | 26.69                | 112            | 307               | A               | H          |
|                                    |   | 5144.56           | 56.58            | -17.42            | 74                    | 45.2              | 32                      | 6.08             | 26.7                 | 224            | 0                 | P               | V          |
|                                    |   | 5148.98           | 47.2             | -6.8              | 54                    | 35.82             | 32                      | 6.08             | 26.7                 | 224            | 0                 | A               | V          |
|                                    | *   | 5210              | 98.76            | -                 | -                     | 87.71             | 31.64                   | 6.11             | 26.7                 | 224            | 0                 | P               | V          |
|                                    | *   | 5210              | 89.76            | -                 | -                     | 78.71             | 31.64                   | 6.11             | 26.7                 | 224            | 0                 | A               | V          |
|                                    |   | 5419.68           | 50.04            | -23.96            | 74                    | 38.91             | 31.68                   | 6.14             | 26.69                | 224            | 0                 | P               | V          |
|                                    |   | 5458.32           | 41.15            | -12.85            | 54                    | 29.84             | 31.82                   | 6.18             | 26.69                | 224            | 0                 | A               | V          |
| <b>Remark</b>                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



**Band 1 5150~5250MHz**

**WIFI 802.11ax HE80 (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax<br>HE80 |   | 10420             | 47.9             | -20.3             | 68.2                  | 54.97             | 39.92                   | 9.94             | 56.93                | 100            | 0                 | P               | H          |
|                  |   | 15630             | 45.21            | -28.79            | 74                    | 50.74             | 38.31                   | 12.7             | 56.54                | 100            | 0                 | P               | H          |
|                  |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                  |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
| CH 42<br>5210MHz |   | 10420             | 47.29            | -20.91            | 68.2                  | 54.36             | 39.92                   | 9.94             | 56.93                | 100            | 0                 | P               | V          |
|                  |   | 15630             | 45.49            | -28.51            | 74                    | 51.02             | 38.31                   | 12.7             | 56.54                | 100            | 0                 | P               | V          |
|                  |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
|                  |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| <b>Remark</b>    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE20 (Partial RU 26/0) (Band Edge @ 3m)**

| WIFI Ant. 1+2                       | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|-------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE20 26/0 RU CH 36 5180MHz |   | 5049.4            | 52.78            | -21.22            | 74                    | 41.66             | 31.8                    | 6.03             | 26.71                | 150            | 318               | P               | H          |   |
|                                     |   | 5095.16           | 42.38            | -11.62            | 54                    | 31.06             | 31.98                   | 6.05             | 26.71                | 150            | 318               | A               | H          |   |
|                                     | *   | 5180              | 108.48           | -                 | -                     | 97.26             | 31.82                   | 6.1              | 26.7                 | 150            | 318               | P               | H          |   |
|                                     | *   | 5180              | 102.18           | -                 | -                     | 90.96             | 31.82                   | 6.1              | 26.7                 | 150            | 318               | A               | H          |   |
|                                     |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                     |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | H |
|                                     |   |                   | 5126.88          | 52.78             | -21.22                | 74                | 41.41                   | 32               | 6.07                 | 26.7           | 238               | 14              | P          | V |
|                                     |   |                   | 5095.16          | 42.29             | -11.71                | 54                | 30.97                   | 31.98            | 6.05                 | 26.71          | 238               | 14              | A          | V |
|                                     | *   |                   | 5180             | 108.04            | -                     | -                 | 96.82                   | 31.82            | 6.1                  | 26.7           | 238               | 14              | P          | V |
|                                     | *   |                   | 5180             | 101.97            | -                     | -                 | 90.75                   | 31.82            | 6.1                  | 26.7           | 238               | 14              | 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 1 5150~5250MHz

WIFI 802.11ax HE20 (Partial RU 52/37) (Band Edge @ 3m)

| WIFI Ant. 1+2                        | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|--------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE20 52/37 RU CH 36 5180MHz |   | 5051.74           | 53.02            | -20.98            | 74                    | 41.89             | 31.81                   | 6.03             | 26.71                | 150            | 317               | P               | H          |   |
|                                      |   | 5096.98           | 42.29            | -11.71            | 54                    | 30.96             | 31.99                   | 6.05             | 26.71                | 150            | 317               | A               | H          |   |
|                                      | *   | 5180              | 110.02           | -                 | -                     | 98.8              | 31.82                   | 6.1              | 26.7                 | 150            | 317               | P               | H          |   |
|                                      | *   | 5180              | 100.98           | -                 | -                     | 89.76             | 31.82                   | 6.1              | 26.7                 | 150            | 317               | A               | H          |   |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | H |
|                                      |   |                   | 5086.84          | 52.54             | -21.46                | 74                | 41.25                   | 31.95            | 6.05                 | 26.71          | 254               | 12              | P          | V |
|                                      |   |                   | 5096.98          | 42.25             | -11.75                | 54                | 30.92                   | 31.99            | 6.05                 | 26.71          | 254               | 12              | A          | V |
|                                      | *   |                   | 5180             | 108.56            | -                     | -                 | 97.34                   | 31.82            | 6.1                  | 26.7           | 254               | 12              | P          | V |
|                                      | *   |                   | 5180             | 100.67            | -                     | -                 | 89.45                   | 31.82            | 6.1                  | 26.7           | 254               | 12              | A          | V |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |   |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



**Band 1 5150~5250MHz**

**WIFI 802.11ax HE20 (Partial RU 106/53) (Band Edge @ 3m)**

| WIFI Ant. 1+2                         | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|---------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE20 106/53 RU CH 36 5180MHz |   | 5150              | 54.99            | -19.01            | 74                    | 43.61             | 32                      | 6.08             | 26.7                 | 106            | 313               | P               | H          |   |
|                                       |   | 5097.5            | 42.26            | -11.74            | 54                    | 30.93             | 31.99                   | 6.05             | 26.71                | 106            | 313               | A               | H          |   |
|                                       | *   | 5180              | 109.84           | -                 | -                     | 98.62             | 31.82                   | 6.1              | 26.7                 | 106            | 313               | P               | H          |   |
|                                       | *   | 5180              | 101.56           | -                 | -                     | 90.34             | 31.82                   | 6.1              | 26.7                 | 106            | 313               | A               | H          |   |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | H |
|                                       |   |                   | 5082.16          | 53.1              | -20.9                 | 74                | 41.83                   | 31.93            | 6.05                 | 26.71          | 241               | 12              | P          | V |
|                                       |   |                   | 5098.54          | 42.3              | -11.7                 | 54                | 30.97                   | 31.99            | 6.05                 | 26.71          | 241               | 12              | A          | V |
|                                       | *   |                   | 5180             | 108.51            | -                     | -                 | 97.29                   | 31.82            | 6.1                  | 26.7           | 241               | 12              | P          | V |
|                                       | *   |                   | 5180             | 100.4             | -                     | -                 | 89.18                   | 31.82            | 6.1                  | 26.7           | 241               | 12              | 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 1 5150~5250MHz

WIFI 802.11ax HE40 (Partial RU 242/61) (Band Edge @ 3m)

| WIFI Ant. 1+2                         | Note   | Frequency ( MHz )   | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------------------------------|--------|---|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE40 242/61 RU CH 38 5190MHz |        | 5150  | 67.29            | -6.71             | 74                    | 55.91             | 32                      | 6.08             | 26.7                 | 100            | 311               | P               | H          |
|                                       |        | 5150  | 50.19            | -3.81             | 54                    | 38.81             | 32                      | 6.08             | 26.7                 | 100            | 311               | A               | H          |
|                                       | *      | 5190  | 108.73           | -                 | -                     | 97.57             | 31.76                   | 6.1              | 26.7                 | 100            | 311               | P               | H          |
|                                       | *      | 5190  | 99.43            | -                 | -                     | 88.27             | 31.76                   | 6.1              | 26.7                 | 100            | 311               | A               | H          |
|                                       |        | 5454.12   | 50.83            | -23.17            | 74                    | 39.54             | 31.81                   | 6.17             | 26.69                | 100            | 311               | P               | H          |
|                                       |        | 5459.72   | 41.23            | -12.77            | 54                    | 29.92             | 31.82                   | 6.18             | 26.69                | 100            | 311               | A               | H          |
|                                       |        | 5148.2  | 60.45            | -13.55            | 74                    | 49.07             | 32                      | 6.08             | 26.7                 | 239            | 14                | P               | V          |
|                                       |        | 5150  | 49.44            | -4.56             | 54                    | 38.06             | 32                      | 6.08             | 26.7                 | 239            | 14                | A               | V          |
|                                       | *      | 5190  | 107.47           | -                 | -                     | 96.31             | 31.76                   | 6.1              | 26.7                 | 239            | 14                | P               | V          |
|                                       | *      | 5190  | 98.18            | -                 | -                     | 87.02             | 31.76                   | 6.1              | 26.7                 | 239            | 14                | A               | V          |
|                                       |        | 5444.88   | 50.02            | -23.98            | 74                    | 38.77             | 31.78                   | 6.16             | 26.69                | 239            | 14                | P               | V          |
|                                       |        | 5460  | 41.24            | -12.76            | 54                    | 29.93             | 31.82                   | 6.18             | 26.69                | 239            | 14                | A               | V          |
|                                       | Remark | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



Band 1 5150~5250MHz

WIFI 802.11ax HE80 (Partial RU 484/65) (Band Edge @ 3m)

| WIFI Ant. 1+2                         | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE80 484/65 RU CH 42 5210MHz |   | 5149.5            | 60.59            | -13.41            | 74                    | 49.21             | 32                      | 6.08             | 26.7                 | 111            | 314               | P               | H          |
|                                       |   | 5150              | 48.56            | -5.44             | 54                    | 37.18             | 32                      | 6.08             | 26.7                 | 111            | 314               | A               | H          |
|                                       | *   | 5210              | 105.13           | -                 | -                     | 94.08             | 31.64                   | 6.11             | 26.7                 | 111            | 314               | P               | H          |
|                                       | *   | 5210              | 94.55            | -                 | -                     | 83.5              | 31.64                   | 6.11             | 26.7                 | 111            | 314               | A               | H          |
|                                       |   | 5398.68           | 51.86            | -22.14            | 74                    | 40.84             | 31.59                   | 6.12             | 26.69                | 111            | 314               | P               | H          |
|                                       |   | 5459.16           | 41.24            | -12.76            | 54                    | 29.93             | 31.82                   | 6.18             | 26.69                | 111            | 314               | A               | H          |
|                                       |   | 5147.94           | 56.62            | -17.38            | 74                    | 45.24             | 32                      | 6.08             | 26.7                 | 249            | 15                | P               | V          |
|                                       |   | 5148.46           | 47.49            | -6.51             | 54                    | 36.11             | 32                      | 6.08             | 26.7                 | 249            | 15                | A               | V          |
|                                       | *   | 5210              | 102.3            | -                 | -                     | 91.25             | 31.64                   | 6.11             | 26.7                 | 249            | 15                | P               | V          |
|                                       | *   | 5210              | 93.6             | -                 | -                     | 82.55             | 31.64                   | 6.11             | 26.7                 | 249            | 15                | A               | V          |
|                                       |   | 5414.64           | 51.48            | -22.52            | 74                    | 40.38             | 31.66                   | 6.13             | 26.69                | 249            | 15                | P               | V          |
|                                       |   | 5460              | 41.22            | -12.78            | 54                    | 29.91             | 31.82                   | 6.18             | 26.69                | 249            | 15                | A               | V          |
| Remark                                | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



<TXBF Mode>

Band 1 - 5150~5250MHz

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 36<br>5180MHz |      | 5073.84   | 53.3       | -20.7      | 74         | 42.07      | 31.9           | 6.04      | 26.71         | 123     | 25        | P         | H       |   |
|                                       |      | 5101.14   | 42.22      | -11.78     | 54         | 30.87      | 32             | 6.06      | 26.71         | 123     | 25        | A         | H       |   |
|                                       | *    | 5180      | 99.83      | -          | -          | 88.61      | 31.82          | 6.1       | 26.7          | 123     | 25        | P         | H       |   |
|                                       | *    | 5180      | 91.2       | -          | -          | 79.98      | 31.82          | 6.1       | 26.7          | 123     | 25        | A         | H       |   |
|                                       |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|                                       |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|                                       |      |           | 5113.36    | 52.51      | -21.49     | 74         | 41.16          | 32        | 6.06          | 26.71   | 202       | 349       | P       | V |
|                                       |      |           | 5100.36    | 42.19      | -11.81     | 54         | 30.84          | 32        | 6.06          | 26.71   | 202       | 349       | A       | V |
|                                       |      | *         | 5180       | 103.32     | -          | -          | 92.1           | 31.82     | 6.1           | 26.7    | 202       | 349       | P       | V |
|                                       |      | *         | 5180       | 91.5       | -          | -          | 80.28          | 31.82     | 6.1           | 26.7    | 202       | 349       | A       | V |
|                                       |      |           |            |            |            |            |                |           |               |         |           |           | V       |   |
|                                       |      |           |            |            |            |            |                |           |               |         |           |           | V       |   |
| 802.11ac<br>VHT20<br>CH 44<br>5220MHz |      | 5136.76   | 51.64      | -22.36     | 74         | 40.26      | 32             | 6.08      | 26.7          | 146     | 29        | P         | H       |   |
|                                       |      | 5101.4    | 42.21      | -11.79     | 54         | 30.86      | 32             | 6.06      | 26.71         | 146     | 29        | A         | H       |   |
|                                       | *    | 5220      | 102.81     | -          | -          | 91.82      | 31.58          | 6.11      | 26.7          | 146     | 29        | P         | H       |   |
|                                       | *    | 5220      | 92         | -          | -          | 81.01      | 31.58          | 6.11      | 26.7          | 146     | 29        | A         | H       |   |
|                                       |      |           | 5447.96    | 50.23      | -23.77     | 74         | 38.96          | 31.79     | 6.17          | 26.69   | 146       | 29        | P       | H |
|                                       |      |           | 5460       | 41.12      | -12.88     | 54         | 29.81          | 31.82     | 6.18          | 26.69   | 146       | 29        | A       | H |
|                                       |      |           | 5145.34    | 51.4       | -22.6      | 74         | 40.02          | 32        | 6.08          | 26.7    | 191       | 360       | P       | V |
|                                       |      |           | 5089.44    | 42.21      | -11.79     | 54         | 30.91          | 31.96     | 6.05          | 26.71   | 191       | 360       | A       | V |
|                                       |      | *         | 5220       | 102.2      | -          | -          | 91.21          | 31.58     | 6.11          | 26.7    | 191       | 360       | P       | V |
|                                       |      | *         | 5220       | 91.28      | -          | -          | 80.29          | 31.58     | 6.11          | 26.7    | 191       | 360       | A       | V |
|                                       |      | 5432.84   | 51.23      | -22.77     | 74         | 40.04      | 31.73          | 6.15      | 26.69         | 191     | 360       | P         | V       |   |
|                                       |      | 5459.16   | 41.04      | -12.96     | 54         | 29.73      | 31.82          | 6.18      | 26.69         | 191     | 360       | A         | V       |   |





|   |   |         |        |        |    |       |       |      |       |     |     |   |   |
|---|---|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 48</b><br><b>5240MHz</b> |   | 5059.8  | 52.89  | -21.11 | 74 | 41.73 | 31.84 | 6.03 | 26.71 | 207 | 36  | P | H |
|   |   | 5094.9  | 42.19  | -11.81 | 54 | 30.87 | 31.98 | 6.05 | 26.71 | 207 | 36  | A | H |
|   | *   | 5240    | 102.26 | -      | -  | 91.39 | 31.46 | 6.11 | 26.7  | 207 | 36  | P | H |
|   | *   | 5240    | 91.82  | -      | -  | 80.95 | 31.46 | 6.11 | 26.7  | 207 | 36  | A | H |
|   |   | 5451.32 | 51.37  | -22.63 | 74 | 40.09 | 31.8  | 6.17 | 26.69 | 207 | 36  | P | H |
|   |   | 5459.72 | 40.97  | -13.03 | 54 | 29.66 | 31.82 | 6.18 | 26.69 | 207 | 36  | A | H |
|   |   | 5077.22 | 51.88  | -22.12 | 74 | 40.64 | 31.91 | 6.04 | 26.71 | 194 | 345 | P | V |
|   |   | 5102.18 | 42.18  | -11.82 | 54 | 30.83 | 32    | 6.06 | 26.71 | 194 | 345 | A | V |
|   | *   | 5240    | 102.76 | -      | -  | 91.89 | 31.46 | 6.11 | 26.7  | 194 | 345 | P | V |
|   | *   | 5240    | 90.92  | -      | -  | 80.05 | 31.46 | 6.11 | 26.7  | 194 | 345 | A | V |
|   |   | 5403.72 | 50.62  | -23.38 | 74 | 39.58 | 31.61 | 6.12 | 26.69 | 194 | 345 | P | V |
|   |   | 5459.44 | 40.99  | -13.01 | 54 | 29.68 | 31.82 | 6.18 | 26.69 | 194 | 345 | A | V |
| <b>Remark</b>   | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |      |       |     |     |   |   |



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT20 (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ac VHT20 CH 36 5180MHz |  | 10360             | 46.96            | -21.24            | 68.2                  | 54.27             | 39.74                   | 9.91             | 56.96                | 100            | 0                 | P               | H          |   |
|                              |  | 15540             | 45.97            | -28.03            | 74                    | 51.21             | 38.76                   | 12.65            | 56.65                | 100            | 0                 | P               | H          |   |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |  |                   | 10360            | 46.11             | -22.09                | 68.2              | 53.42                   | 39.74            | 9.91                 | 56.96          | 100               | 0               | P          | V |
|                              |  |                   | 15540            | 44.47             | -29.53                | 74                | 49.71                   | 38.76            | 12.65                | 56.65          | 100               | 0               | P          | V |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ac VHT20 CH 44 5220MHz |  | 10440             | 46.05            | -22.15            | 68.2                  | 53.08             | 39.94                   | 9.95             | 56.92                | 100            | 0                 | P               | H          |   |
|                              |  | 15660             | 43.38            | -30.62            | 74                    | 48.95             | 38.22                   | 12.72            | 56.51                | 100            | 0                 | P               | H          |   |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |  |                   | 10440            | 46.37             | -21.83                | 68.2              | 53.4                    | 39.94            | 9.95                 | 56.92          | 100               | 0               | P          | V |
|                              |  |                   | 15660            | 45.09             | -28.91                | 74                | 50.66                   | 38.22            | 12.72                | 56.51          | 100               | 0               | P          | V |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ac VHT20 CH 48 5240MHz |  | 10480             | 47               | -21.2             | 68.2                  | 53.96             | 39.98                   | 9.97             | 56.91                | 100            | 0                 | P               | H          |   |
|                              |  | 15720             | 45.05            | -28.95            | 74                    | 50.65             | 38.1                    | 12.74            | 56.44                | 100            | 0                 | P               | H          |   |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |  |                   | 10480            | 46.36             | -21.84                | 68.2              | 53.32                   | 39.98            | 9.97                 | 56.91          | 100               | 0               | P          | V |
|                              |  |                   | 15720            | 45.14             | -28.86                | 74                | 50.74                   | 38.1             | 12.74                | 56.44          | 100               | 0               | P          | V |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| Remark                       | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |
|                              | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT40 CH 38 5190MHz |   | 5139.88           | 51.95            | -22.05            | 74                    | 40.57               | 32                      | 6.08             | 26.7                 | 198            | 35                | P                 | H            |
|                              |   | 5148.46           | 42.86            | -11.14            | 54                    | 31.48               | 32                      | 6.08             | 26.7                 | 198            | 35                | A                 | H            |
|                              | *   | 5190              | 100.68           | -                 | -                     | 89.52               | 31.76                   | 6.1              | 26.7                 | 198            | 35                | P                 | H            |
|                              | *   | 5190              | 89.45            | -                 | -                     | 78.29               | 31.76                   | 6.1              | 26.7                 | 198            | 35                | A                 | H            |
|                              |   | 5434.24           | 50.08            | -23.92            | 74                    | 38.88               | 31.74                   | 6.15             | 26.69                | 198            | 35                | P                 | H            |
|                              |   | 5460              | 41.11            | -12.89            | 54                    | 29.8                | 31.82                   | 6.18             | 26.69                | 198            | 35                | A                 | H            |
|                              |   | 5106.86           | 51.59            | -22.41            | 74                    | 40.24               | 32                      | 6.06             | 26.71                | 215            | 340               | P                 | V            |
|                              |   | 5149.76           | 42.9             | -11.1             | 54                    | 31.52               | 32                      | 6.08             | 26.7                 | 215            | 340               | A                 | V            |
|                              | *   | 5190              | 101.08           | -                 | -                     | 89.92               | 31.76                   | 6.1              | 26.7                 | 215            | 340               | P                 | V            |
|                              | *   | 5190              | 87.87            | -                 | -                     | 76.71               | 31.76                   | 6.1              | 26.7                 | 215            | 340               | A                 | V            |
|                              |   | 5441.24           | 49.94            | -24.06            | 74                    | 38.71               | 31.76                   | 6.16             | 26.69                | 215            | 340               | P                 | V            |
|                              |   | 5459.72           | 41.14            | -12.86            | 54                    | 29.83               | 31.82                   | 6.18             | 26.69                | 215            | 340               | A                 | V            |
| 802.11ac VHT40 CH 46 5230MHz |   | 5089.7            | 52.89            | -21.11            | 74                    | 41.59               | 31.96                   | 6.05             | 26.71                | 186            | 33                | P                 | H            |
|                              |   | 5099.06           | 42.25            | -11.75            | 54                    | 30.91               | 32                      | 6.05             | 26.71                | 186            | 33                | A                 | H            |
|                              | *   | 5230              | 101.46           | -                 | -                     | 90.53               | 31.52                   | 6.11             | 26.7                 | 186            | 33                | P                 | H            |
|                              | *   | 5230              | 90.09            | -                 | -                     | 79.16               | 31.52                   | 6.11             | 26.7                 | 186            | 33                | A                 | H            |
|                              |   | 5438.44           | 52.13            | -21.87            | 74                    | 40.91               | 31.75                   | 6.16             | 26.69                | 186            | 33                | P                 | H            |
|                              |   | 5459.16           | 41.15            | -12.85            | 54                    | 29.84               | 31.82                   | 6.18             | 26.69                | 186            | 33                | A                 | H            |
|                              |   | 5106.86           | 51.87            | -22.13            | 74                    | 40.52               | 32                      | 6.06             | 26.71                | 260            | 360               | P                 | V            |
|                              |   | 5098.28           | 42.24            | -11.76            | 54                    | 30.91               | 31.99                   | 6.05             | 26.71                | 260            | 360               | A                 | V            |
|                              | *   | 5230              | 101.99           | -                 | -                     | 91.06               | 31.52                   | 6.11             | 26.7                 | 260            | 360               | P                 | V            |
|                              | *   | 5230              | 89.52            | -                 | -                     | 78.59               | 31.52                   | 6.11             | 26.7                 | 260            | 360               | A                 | V            |
|                              | 5444.88   | 50.29             | -23.71           | 74                | 39.04                 | 31.78               | 6.16                    | 26.69            | 260                  | 360            | P                 | V                 |              |
|                              | 5460  | 41.15             | -12.85           | 54                | 29.84                 | 31.82               | 6.18                    | 26.69            | 260                  | 360            | A                 | V                 |              |
| <b>Remark</b>                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |



**Band 1 5150~5250MHz  
WIFI 802.11ac 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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|---------------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ac<br>VHT40<br>CH 38<br>5190MHz |  | 10380             | 46.91            | -21.29            | 68.2                  | 54.12             | 39.82                   | 9.92             | 56.95                | 100            | 0                 | P               | H          |   |
|                                       |  | 15570             | 44.92            | -29.08            | 74                    | 50.3              | 38.58                   | 12.66            | 56.62                | 100            | 0                 | P               | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   | 10380            | 46.23             | -21.97                | 68.2              | 53.44                   | 39.82            | 9.92                 | 56.95          | 100               | 0               | P          | V |
|                                       |  |                   | 15570            | 44.16             | -29.84                | 74                | 49.54                   | 38.58            | 12.66                | 56.62          | 100               | 0               | P          | V |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ac<br>VHT40<br>CH 46<br>5230MHz |  | 10460             | 47.27            | -20.93            | 68.2                  | 54.27             | 39.96                   | 9.96             | 56.92                | 100            | 0                 | P               | H          |   |
|                                       |  | 15690             | 43.92            | -30.08            | 74                    | 49.54             | 38.13                   | 12.72            | 56.47                | 100            | 0                 | P               | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   | 10460            | 46.39             | -21.81                | 68.2              | 53.39                   | 39.96            | 9.96                 | 56.92          | 100               | 0               | P          | V |
|                                       |  |                   | 15690            | 43.82             | -30.18                | 74                | 49.44                   | 38.13            | 12.72                | 56.47          | 100               | 0               | P          | V |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| <b>Remark</b>                         | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |
|                                       | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



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

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 42 5210MHz |   | 5138.58           | 58.05            | -15.95            | 74                    | 46.67             | 32                      | 6.08             | 26.7                 | 181            | 25                | P               | H          |
|                              |   | 5149.76           | 46.69            | -7.31             | 54                    | 35.31             | 32                      | 6.08             | 26.7                 | 181            | 25                | A               | H          |
|                              | *   | 5210              | 97.18            | -                 | -                     | 86.13             | 31.64                   | 6.11             | 26.7                 | 181            | 25                | P               | H          |
|                              | *   | 5210              | 87.84            | -                 | -                     | 76.79             | 31.64                   | 6.11             | 26.7                 | 181            | 25                | A               | H          |
|                              |   | 5362              | 50.12            | -23.88            | 74                    | 39.25             | 31.45                   | 6.12             | 26.7                 | 181            | 25                | P               | H          |
|                              |   | 5459.72           | 41.03            | -12.97            | 54                    | 29.72             | 31.82                   | 6.18             | 26.69                | 181            | 25                | A               | H          |
|                              |   | 5142.48           | 57.73            | -16.27            | 74                    | 46.35             | 32                      | 6.08             | 26.7                 | 238            | 360               | P               | V          |
|                              |   | 5150              | 47.12            | -6.88             | 54                    | 35.74             | 32                      | 6.08             | 26.7                 | 238            | 360               | A               | V          |
|                              | *   | 5210              | 96.25            | -                 | -                     | 85.2              | 31.64                   | 6.11             | 26.7                 | 238            | 360               | P               | V          |
|                              | *   | 5210              | 87.75            | -                 | -                     | 76.7              | 31.64                   | 6.11             | 26.7                 | 238            | 360               | A               | V          |
|                              |   | 5398.96           | 50.24            | -23.76            | 74                    | 39.21             | 31.6                    | 6.12             | 26.69                | 238            | 360               | P               | V          |
|                              | 5458.88   | 41.07             | -12.93           | 54                | 29.76                 | 31.82             | 6.18                    | 26.69            | 238                  | 360            | A                 | V               |            |
| <b>Remark</b>                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



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

| WIFI 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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac<br>VHT80<br>CH 42<br>5210MHz |   | 10420             | 46.48            | -21.72            | 68.2                  | 53.55             | 39.92                   | 9.94             | 56.93                | 100            | 0                 | P               | H          |
|                                       |   | 15630             | 44.17            | -29.83            | 74                    | 49.7              | 38.31                   | 12.7             | 56.54                | 100            | 0                 | P               | H          |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                       |   | 10420             | 46.23            | -21.97            | 68.2                  | 53.3              | 39.92                   | 9.94             | 56.93                | 100            | 0                 | P               | V          |
|                                       |   | 15630             | 45.11            | -28.89            | 74                    | 50.64             | 38.31                   | 12.7             | 56.54                | 100            | 0                 | P               | V          |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



Band 1 - 5150~5250MHz

WIFI 802.11ax HE20 (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 ) |   |
| 802.11ax<br>HE20<br>CH 36<br>5180MHz |      | 5146.38   | 54.78      | -19.22 | 74         | 43.4     | 32       | 6.08   | 26.7   | 107    | 259     | P       | H       |   |
|                                      |      | 5150      | 43.67      | -10.33 | 54         | 32.29    | 32       | 6.08   | 26.7   | 107    | 259     | A       | H       |   |
|                                      | *    | 5180      | 103.83     | -      | -          | 92.61    | 31.82    | 6.1    | 26.7   | 107    | 259     | P       | H       |   |
|                                      | *    | 5180      | 92.85      | -      | -          | 81.63    | 31.82    | 6.1    | 26.7   | 107    | 259     | A       | H       |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         |   |
| 802.11ax<br>HE20<br>CH 44<br>5220MHz |      | 5058.24   | 53.47      | -20.53 | 74         | 42.32    | 31.83    | 6.03   | 26.71  | 120    | 258     | P       | H       |   |
|                                      |      | 5095.68   | 42.25      | -11.75 | 54         | 30.93    | 31.98    | 6.05   | 26.71  | 120    | 258     | A       | H       |   |
|                                      | *    | 5220      | 102.85     | -      | -          | 91.86    | 31.58    | 6.11   | 26.7   | 120    | 258     | P       | H       |   |
|                                      | *    | 5220      | 92.93      | -      | -          | 81.94    | 31.58    | 6.11   | 26.7   | 120    | 258     | A       | H       |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         |   |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         |         |   |



|  |   |         |        |        |    |       |       |      |       |     |     |   |   |
|--|---|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11ax</b><br><br><b>HE20</b><br><br><b>CH 48</b><br><br><b>5240MHz</b> |   | 5086.84 | 52.92  | -21.08 | 74 | 41.63 | 31.95 | 6.05 | 26.71 | 100 | 257 | P | H |
|  |   | 5094.9  | 42.21  | -11.79 | 54 | 30.89 | 31.98 | 6.05 | 26.71 | 100 | 257 | A | H |
|  | *   | 5240    | 103.13 | -      | -  | 92.26 | 31.46 | 6.11 | 26.7  | 100 | 257 | P | H |
|  | *   | 5240    | 93.43  | -      | -  | 82.56 | 31.46 | 6.11 | 26.7  | 100 | 257 | A | H |
|  |   | 5421.92 | 50.73  | -23.27 | 74 | 39.59 | 31.69 | 6.14 | 26.69 | 100 | 257 | P | H |
|  |   | 5459.44 | 41.25  | -12.75 | 54 | 29.94 | 31.82 | 6.18 | 26.69 | 100 | 257 | A | H |
|  |   | 5107.38 | 52.63  | -21.37 | 74 | 41.28 | 32    | 6.06 | 26.71 | 100 | 243 | P | V |
|  |   | 5086.58 | 42.18  | -11.82 | 54 | 30.89 | 31.95 | 6.05 | 26.71 | 100 | 243 | A | V |
|  | *   | 5240    | 100.98 | -      | -  | 90.11 | 31.46 | 6.11 | 26.7  | 100 | 243 | P | V |
|  | *   | 5240    | 91.38  | -      | -  | 80.51 | 31.46 | 6.11 | 26.7  | 100 | 243 | A | V |
|  |   | 5451.88 | 51.15  | -22.85 | 74 | 39.87 | 31.8  | 6.17 | 26.69 | 100 | 243 | P | V |
|  |   | 5459.44 | 41.25  | -12.75 | 54 | 29.94 | 31.82 | 6.18 | 26.69 | 100 | 243 | A | V |
| <b>Remark</b>  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |      |       |     |     |   |   |





**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE20 (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax<br>HE20<br>CH 36<br>5180MHz |  | 10360             | 47.59            | -20.61            | 68.2                  | 54.9              | 39.74                   | 9.91             | 56.96                | 100            | 0                 | P               | H          |
|                                      |  | 15540             | 45.79            | -28.21            | 74                    | 51.03             | 38.76                   | 12.65            | 56.65                | 100            | 0                 | P               | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  | 10360             | 47.77            | -20.43            | 68.2                  | 55.08             | 39.74                   | 9.91             | 56.96                | 100            | 0                 | P               | V          |
|                                      |  | 15540             | 45.56            | -28.44            | 74                    | 50.8              | 38.76                   | 12.65            | 56.65                | 100            | 0                 | P               | V          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| 802.11ax<br>HE20<br>CH 44<br>5220MHz |  | 10440             | 47.15            | -21.05            | 68.2                  | 54.18             | 39.94                   | 9.95             | 56.92                | 100            | 0                 | P               | H          |
|                                      |  | 15660             | 44.4             | -29.6             | 74                    | 49.97             | 38.22                   | 12.72            | 56.51                | 100            | 0                 | P               | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  | 10440             | 46.82            | -21.38            | 68.2                  | 53.85             | 39.94                   | 9.95             | 56.92                | 100            | 0                 | P               | V          |
|                                      |  | 15660             | 44.38            | -29.62            | 74                    | 49.95             | 38.22                   | 12.72            | 56.51                | 100            | 0                 | P               | V          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| 802.11ax<br>HE20<br>CH 48<br>5240MHz |  | 10480             | 48.11            | -20.09            | 68.2                  | 55.07             | 39.98                   | 9.97             | 56.91                | 100            | 0                 | P               | H          |
|                                      |  | 15720             | 44.67            | -29.33            | 74                    | 50.27             | 38.1                    | 12.74            | 56.44                | 100            | 0                 | P               | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |  | 10480             | 47.39            | -20.81            | 68.2                  | 54.35             | 39.98                   | 9.97             | 56.91                | 100            | 0                 | P               | V          |
|                                      |  | 15720             | 44.61            | -29.39            | 74                    | 50.21             | 38.1                    | 12.74            | 56.44                | 100            | 0                 | P               | V          |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| Remark                               | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |
|                                      | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE40 (Band Edge @ 3m)**

| WIFI Ant. 1+2               | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE40 CH 38 5190MHz |   | 5150              | 64.25            | -9.75             | 74                    | 52.87             | 32                      | 6.08             | 26.7                 | 100            | 258               | P               | H          |
|                             |   | 5150              | 47.75            | -6.25             | 54                    | 36.37             | 32                      | 6.08             | 26.7                 | 100            | 258               | A               | H          |
|                             | *   | 5190              | 103.84           | -                 | -                     | 92.68             | 31.76                   | 6.1              | 26.7                 | 100            | 258               | P               | H          |
|                             | *   | 5190              | 91.43            | -                 | -                     | 80.27             | 31.76                   | 6.1              | 26.7                 | 100            | 258               | A               | H          |
|                             |   | 5451.32           | 52.19            | -21.81            | 74                    | 40.91             | 31.8                    | 6.17             | 26.69                | 100            | 258               | P               | H          |
|                             |   | 5460              | 41.29            | -12.71            | 54                    | 29.98             | 31.82                   | 6.18             | 26.69                | 100            | 258               | A               | H          |
|                             |   | 5148.72           | 55.72            | -18.28            | 74                    | 44.34             | 32                      | 6.08             | 26.7                 | 100            | 244               | P               | V          |
|                             |   | 5149.5            | 47.31            | -6.69             | 54                    | 35.93             | 32                      | 6.08             | 26.7                 | 100            | 244               | A               | V          |
|                             | *   | 5190              | 101.02           | -                 | -                     | 89.86             | 31.76                   | 6.1              | 26.7                 | 100            | 244               | P               | V          |
|                             | *   | 5190              | 89.53            | -                 | -                     | 78.37             | 31.76                   | 6.1              | 26.7                 | 100            | 244               | A               | V          |
|                             |   | 5448.52           | 52.18            | -21.82            | 74                    | 40.91             | 31.79                   | 6.17             | 26.69                | 100            | 244               | P               | V          |
|                             |   | 5459.16           | 41.24            | -12.76            | 54                    | 29.93             | 31.82                   | 6.18             | 26.69                | 100            | 244               | A               | V          |
| 802.11ax HE40 CH 46 5230MHz |   | 5053.56           | 52.78            | -21.22            | 74                    | 41.65             | 31.81                   | 6.03             | 26.71                | 108            | 260               | P               | H          |
|                             |   | 5101.14           | 42.23            | -11.77            | 54                    | 30.88             | 32                      | 6.06             | 26.71                | 108            | 260               | A               | H          |
|                             | *   | 5230              | 103.06           | -                 | -                     | 92.13             | 31.52                   | 6.11             | 26.7                 | 108            | 260               | P               | H          |
|                             | *   | 5230              | 90.92            | -                 | -                     | 79.99             | 31.52                   | 6.11             | 26.7                 | 108            | 260               | A               | H          |
|                             |   | 5458.32           | 51.29            | -22.71            | 74                    | 39.98             | 31.82                   | 6.18             | 26.69                | 108            | 260               | P               | H          |
|                             |   | 5459.16           | 41.24            | -12.76            | 54                    | 29.93             | 31.82                   | 6.18             | 26.69                | 108            | 260               | A               | H          |
|                             |   | 5145.08           | 52.69            | -21.31            | 74                    | 41.31             | 32                      | 6.08             | 26.7                 | 100            | 226               | P               | V          |
|                             |   | 5087.1            | 42.27            | -11.73            | 54                    | 30.98             | 31.95                   | 6.05             | 26.71                | 100            | 226               | A               | V          |
|                             | *   | 5230              | 100.67           | -                 | -                     | 89.74             | 31.52                   | 6.11             | 26.7                 | 100            | 226               | P               | V          |
|                             | *   | 5230              | 88.68            | -                 | -                     | 77.75             | 31.52                   | 6.11             | 26.7                 | 100            | 226               | A               | V          |
|                             | 5442.92   | 51.22             | -22.78           | 74                | 39.98                 | 31.77             | 6.16                    | 26.69            | 100                  | 226            | P                 | V               |            |
|                             | 5459.72   | 41.26             | -12.74           | 54                | 29.95                 | 31.82             | 6.18                    | 26.69            | 100                  | 226            | A                 | V               |            |
| <b>Remark</b>               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE40 (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|--------------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax<br>HE40<br>CH 38<br>5190MHz |  | 10380             | 45.88            | -22.32            | 68.2                  | 53.09             | 39.82                   | 9.92             | 56.95                | 100            | 0                 | P               | H          |   |
|                                      |  | 15570             | 44.76            | -29.24            | 74                    | 50.14             | 38.58                   | 12.66            | 56.62                | 100            | 0                 | P               | H          |   |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                      |  |                   | 10380            | 47.09             | -21.11                | 68.2              | 54.3                    | 39.82            | 9.92                 | 56.95          | 100               | 0               | P          | V |
|                                      |  |                   | 15570            | 44.8              | -29.2                 | 74                | 50.18                   | 38.58            | 12.66                | 56.62          | 100               | 0               | P          | V |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ax<br>HE40<br>CH 46<br>5230MHz |  | 10460             | 47.23            | -20.97            | 68.2                  | 54.23             | 39.96                   | 9.96             | 56.92                | 100            | 0                 | P               | H          |   |
|                                      |  | 15690             | 43.86            | -30.14            | 74                    | 49.48             | 38.13                   | 12.72            | 56.47                | 100            | 0                 | P               | H          |   |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                      |  |                   | 10460            | 48.52             | -19.68                | 68.2              | 55.52                   | 39.96            | 9.96                 | 56.92          | 100               | 0               | P          | V |
|                                      |  |                   | 15690            | 43.91             | -30.09                | 74                | 49.53                   | 38.13            | 12.72                | 56.47          | 100               | 0               | P          | V |
|                                      |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| Remark                               | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |
|                                      | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 (Band Edge @ 3m)**

| WIFI Ant. 1+2               | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE80 CH 42 5210MHz |   | 5136.5            | 60.58            | -13.42            | 74                    | 49.2              | 32                      | 6.08             | 26.7                 | 102            | 246               | P               | H          |
|                             |   | 5149.76           | 47.71            | -6.29             | 54                    | 36.33             | 32                      | 6.08             | 26.7                 | 102            | 246               | A               | H          |
|                             | *   | 5210              | 98.59            | -                 | -                     | 87.52             | 31.66                   | 6.11             | 26.7                 | 102            | 246               | P               | H          |
|                             | *   | 5210              | 87.2             | -                 | -                     | 76.13             | 31.66                   | 6.11             | 26.7                 | 102            | 246               | A               | H          |
|                             |   | 5367.04           | 50.59            | -23.41            | 74                    | 39.7              | 31.47                   | 6.12             | 26.7                 | 102            | 246               | P               | H          |
|                             |   | 5458.32           | 41.42            | -12.58            | 54                    | 30.11             | 31.82                   | 6.18             | 26.69                | 102            | 246               | A               | H          |
|                             |   | 5146.12           | 58.59            | -15.41            | 74                    | 47.21             | 32                      | 6.08             | 26.7                 | 100            | 232               | P               | V          |
|                             |   | 5108.16           | 43.03            | -10.97            | 54                    | 31.68             | 32                      | 6.06             | 26.71                | 100            | 232               | A               | V          |
|                             | *   | 5210              | 94.55            | -                 | -                     | 83.48             | 31.66                   | 6.11             | 26.7                 | 100            | 232               | P               | V          |
|                             | *   | 5210              | 84.06            | -                 | -                     | 72.99             | 31.66                   | 6.11             | 26.7                 | 100            | 232               | A               | V          |
|                             |   | 5425.56           | 51.37            | -22.63            | 74                    | 40.21             | 31.7                    | 6.15             | 26.69                | 100            | 232               | P               | V          |
|                             | 5459.72   | 41.44             | -12.56           | 54                | 30.13                 | 31.82             | 6.18                    | 26.69            | 100                  | 232            | A                 | V               |            |
| <b>Remark</b>               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



**Band 1 5150~5250MHz**

**WIFI 802.11ax HE80 (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|--------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax<br>HE80<br>CH 42<br>5210MHz |   | 10420             | 46.47            | -21.73            | 68.2                  | 53.54             | 39.92                   | 9.94             | 56.93                | 100            | 0                 | P               | H          |   |
|                                      |   | 15630             | 45.59            | -28.41            | 74                    | 51.12             | 38.31                   | 12.7             | 56.54                | 100            | 0                 | P               | H          |   |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                      |   |                   | 10420            | 46.46             | -21.74                | 68.2              | 53.53                   | 39.92            | 9.94                 | 56.93          | 100               | 0               | P          | V |
|                                      |   |                   | 15630            | 45.55             | -28.45                | 74                | 51.08                   | 38.31            | 12.7                 | 56.54          | 100               | 0               | P          | V |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



Emission below 1GHz

WIFI 802.11ax HE80 (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 ) |   |
| 802.11ax<br>HE80<br>LF |  | 167.74    | 33.72      | -9.78  | 43.5       | 49.36    | 15.5     | 1.21   | 32.25  | -      | -       | P       | H       |   |
|                        |  | 199.75    | 36.75      | -6.75  | 43.5       | 53.22    | 14.6     | 1.36   | 32.31  | -      | -       | P       | H       |   |
|                        |  | 233.7     | 39.28      | -6.72  | 46         | 53.93    | 16.24    | 1.42   | 32.2   | -      | -       | P       | H       |   |
|                        |  | 730.34    | 39.75      | -6.25  | 46         | 41.87    | 27.31    | 2.43   | 31.73  | 100    | 0       | P       | H       |   |
|                        |  | 800.18    | 37.69      | -8.31  | 46         | 39.71    | 27.5     | 2.58   | 31.95  | -      | -       | P       | H       |   |
|                        |  | 836.07    | 36.89      | -9.11  | 46         | 37.71    | 28.44    | 2.73   | 31.83  | -      | -       | P       | H       |   |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                        |  |           | 42.61      | 28.25  | -11.75     | 40       | 41.98    | 18.03  | 0.52   | 32.28  | -       | -       | P       | V |
|                        |  |           | 199.75     | 32.27  | -11.23     | 43.5     | 48.74    | 14.6   | 1.24   | 32.31  | -       | -       | P       | V |
|                        |  | 233.7     | 34.51      | -11.49 | 46         | 49.16    | 16.24    | 1.31   | 32.2   | -      | -       | P       | V       |   |
|                        |  | 266.68    | 32.37      | -13.63 | 46         | 43.79    | 19.3     | 1.38   | 32.1   | -      | -       | P       | V       |   |
|                        |  | 800.18    | 39.7       | -6.3   | 46         | 41.72    | 27.5     | 2.43   | 31.95  | 100    | 0       | P       | V       |   |
|                        |  | 950.53    | 33.43      | -12.57 | 46         | 31.25    | 30.51    | 2.66   | 30.99  | -      | -       | P       | V       |   |
|                        |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                        |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                        |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                        |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                        |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                        |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                        |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                        |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
| <b>Remark</b>          | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |   |



|                 |                                 |                     |             |
|-----------------|---------------------------------|---------------------|-------------|
| Test Engineer : | Cookie Ku, Fu Chen, Troye Hsieh | Temperature :       | 18.7~25.6°C |
|                 |                                 | Relative Humidity : | 40.2~69.4%  |

<CDD Mode>

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

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1                           |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 52<br>5260MHz |      | 5069.36   | 50.18      | -23.82 | 74         | 41.48    | 31.62    | 9.95   | 32.87  | 200    | 317     | P       | H       |
|                             |      | 5103.36   | 40.56      | -13.44 | 54         | 31.62    | 31.8     | 9.98   | 32.84  | 200    | 317     | A       | H       |
|                             | *    | 5260      | 109.38     | -      | -          | 100.61   | 31.4     | 10.11  | 32.74  | 200    | 317     | P       | H       |
|                             | *    | 5260      | 102.02     | -      | -          | 93.25    | 31.4     | 10.11  | 32.74  | 200    | 317     | A       | H       |
|                             |      | 5447.28   | 49.34      | -24.66 | 74         | 40.05    | 31.69    | 10.22  | 32.62  | 200    | 317     | P       | H       |
|                             |      | 5459.76   | 39.43      | -14.57 | 54         | 30.07    | 31.74    | 10.24  | 32.62  | 200    | 317     | A       | H       |
|                             |      | 5129.54   | 52.08      | -21.92 | 74         | 43.1     | 31.8     | 10.01  | 32.83  | 100    | 20      | P       | V       |
|                             |      | 5098.6    | 40.54      | -13.46 | 54         | 31.62    | 31.79    | 9.98   | 32.85  | 100    | 20      | A       | V       |
|                             | *    | 5260      | 108.11     | -      | -          | 99.34    | 31.4     | 10.11  | 32.74  | 100    | 20      | P       | V       |
|                             | *    | 5260      | 100.89     | -      | -          | 92.12    | 31.4     | 10.11  | 32.74  | 100    | 20      | A       | V       |
|                             |      | 5385.12   | 49.24      | -24.76 | 74         | 40.24    | 31.51    | 10.15  | 32.66  | 100    | 20      | P       | V       |
|                             |      | 5458.8    | 39.36      | -14.64 | 54         | 30       | 31.74    | 10.24  | 32.62  | 100    | 20      | A       | V       |
| 802.11a<br>CH 60<br>5300MHz |      | 5129.54   | 49.9       | -24.1  | 74         | 40.92    | 31.8     | 10.01  | 32.83  | 182    | 295     | P       | H       |
|                             |      | 5143.48   | 40.78      | -13.22 | 54         | 31.77    | 31.8     | 10.03  | 32.82  | 182    | 295     | A       | H       |
|                             | *    | 5300      | 109.76     | -      | -          | 100.96   | 31.4     | 10.12  | 32.72  | 182    | 295     | P       | H       |
|                             | *    | 5300      | 102.35     | -      | -          | 93.55    | 31.4     | 10.12  | 32.72  | 182    | 295     | A       | H       |
|                             |      | 5351.28   | 49.13      | -24.87 | 74         | 40.37    | 31.31    | 10.14  | 32.69  | 182    | 295     | P       | H       |
|                             |      | 5350.08   | 41.21      | -12.79 | 54         | 32.46    | 31.3     | 10.14  | 32.69  | 182    | 295     | A       | H       |
|                             |      | 5090.1    | 50.47      | -23.53 | 74         | 41.61    | 31.74    | 9.97   | 32.85  | 113    | 28      | P       | V       |
|                             |      | 5098.94   | 40.74      | -13.26 | 54         | 31.82    | 31.79    | 9.98   | 32.85  | 113    | 28      | A       | V       |
|                             | *    | 5300      | 107.61     | -      | -          | 98.81    | 31.4     | 10.12  | 32.72  | 113    | 28      | P       | V       |
|                             | *    | 5300      | 100.22     | -      | -          | 91.42    | 31.4     | 10.12  | 32.72  | 113    | 28      | A       | V       |
|                             |      | 5451.6    | 50.09      | -23.91 | 74         | 40.77    | 31.71    | 10.23  | 32.62  | 113    | 28      | P       | V       |
|                             |      | 5350.08   | 40.5       | -13.5  | 54         | 31.75    | 31.3     | 10.14  | 32.69  | 113    | 28      | A       | V       |



|  |   |         |        |        |    |       |       |       |       |     |     |   |   |
|--|---|---------|--------|--------|----|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 64</b><br><b>5320MHz</b> | *   | 5320    | 108.09 | -      | -  | 99.31 | 31.36 | 10.13 | 32.71 | 183 | 294 | P | H |
|  | *   | 5320    | 100.49 | -      | -  | 91.71 | 31.36 | 10.13 | 32.71 | 183 | 294 | A | H |
|  |   | 5351.68 | 58.23  | -15.77 | 74 | 49.46 | 31.31 | 10.14 | 32.68 | 183 | 294 | P | H |
|  |   | 5350.08 | 49.62  | -4.38  | 54 | 40.87 | 31.3  | 10.14 | 32.69 | 183 | 294 | A | H |
|  |   |         |        |        |    |       |       |       |       |     |     |   | H |
|  |   |         |        |        |    |       |       |       |       |     |     |   | H |
|  | *   | 5320    | 107.76 | -      | -  | 98.98 | 31.36 | 10.13 | 32.71 | 100 | 26  | P | V |
|  | *   | 5320    | 100.34 | -      | -  | 91.56 | 31.36 | 10.13 | 32.71 | 100 | 26  | A | V |
|  |   | 5350.4  | 58.9   | -15.1  | 74 | 50.15 | 31.3  | 10.14 | 32.69 | 100 | 26  | P | V |
|  |   | 5350.08 | 47.9   | -6.1   | 54 | 39.15 | 31.3  | 10.14 | 32.69 | 100 | 26  | A | V |
|  |   |         |        |        |    |       |       |       |       |     |     |   | V |
|  |   |         |        |        |    |       |       |       |       |     |     |   | V |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |       |       |     |     |   |   |





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

| WIFI Ant. 1                 | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11a<br>CH 52<br>5260MHz |   | 10520             | 47.87            | -20.33            | 68.2                  | 55.2              | 39.9                    | 16.46            | 63.69                | 100            | 0                 | P               | H          |   |
|                             |   | 15780             | 43.95            | -30.05            | 74                    | 48.17             | 37.22                   | 20.57            | 62.01                | 100            | 0                 | P               | H          |   |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                             |   |                   | 10520            | 47.25             | -20.95                | 68.2              | 54.58                   | 39.9             | 16.46                | 63.69          | 100               | 0               | P          | V |
|                             |   |                   | 15780            | 44.85             | -29.15                | 74                | 49.07                   | 37.22            | 20.57                | 62.01          | 100               | 0               | P          | V |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11a<br>CH 60<br>5300MHz |   | 10600             | 45.62            | -28.38            | 74                    | 52.85             | 39.9                    | 16.51            | 63.64                | 100            | 0                 | P               | H          |   |
|                             |   | 15900             | 43.52            | -30.48            | 74                    | 48.14             | 36.9                    | 20.54            | 62.06                | 100            | 0                 | P               | H          |   |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                             |   |                   | 10600            | 46.62             | -27.38                | 74                | 53.85                   | 39.9             | 16.51                | 63.64          | 100               | 0               | P          | V |
|                             |   |                   | 15900            | 43.33             | -30.67                | 74                | 47.95                   | 36.9             | 20.54                | 62.06          | 100               | 0               | P          | V |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11a<br>CH 64<br>5320MHz |   | 10640             | 45.71            | -28.29            | 74                    | 52.97             | 39.82                   | 16.54            | 63.62                | 100            | 0                 | P               | H          |   |
|                             |   | 15960             | 42.5             | -31.5             | 74                    | 47.27             | 36.78                   | 20.53            | 62.08                | 100            | 0                 | P               | H          |   |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                             |   |                   | 10640            | 46.65             | -27.35                | 74                | 53.91                   | 39.82            | 16.54                | 63.62          | 100               | 0               | P          | V |
|                             |   |                   | 15960            | 42.97             | -31.03                | 74                | 47.74                   | 36.78            | 20.53                | 62.08          | 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 Ant. 1                  | Note    | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|------------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT20 CH 52 5260MHz |         | 5091.12           | 50.15            | -23.85            | 74                    | 41.28               | 31.75                   | 9.97             | 32.85                | 283            | 318               | P                 | H            |
|                              |         | 5098.26           | 40.59            | -13.41            | 54                    | 31.67               | 31.79                   | 9.98             | 32.85                | 283            | 318               | A                 | H            |
|                              | *       | 5260              | 108.96           | -                 | -                     | 100.19              | 31.4                    | 10.11            | 32.74                | 283            | 318               | P                 | H            |
|                              | *       | 5260              | 101.03           | -                 | -                     | 92.26               | 31.4                    | 10.11            | 32.74                | 283            | 318               | A                 | H            |
|                              |         | 5456.16           | 49.08            | -24.92            | 74                    | 39.74               | 31.72                   | 10.24            | 32.62                | 283            | 318               | P                 | H            |
|                              |         | 5458.32           | 39.41            | -14.59            | 54                    | 30.06               | 31.73                   | 10.24            | 32.62                | 283            | 318               | A                 | H            |
|                              |         | 5059.5            | 50.11            | -23.89            | 74                    | 41.48               | 31.56                   | 9.94             | 32.87                | 220            | 343               | P                 | V            |
|                              |         | 5100.98           | 40.55            | -13.45            | 54                    | 31.62               | 31.8                    | 9.98             | 32.85                | 220            | 343               | A                 | V            |
|                              | *       | 5260              | 108              | -                 | -                     | 99.23               | 31.4                    | 10.11            | 32.74                | 220            | 343               | P                 | V            |
|                              | *       | 5260              | 99.65            | -                 | -                     | 90.88               | 31.4                    | 10.11            | 32.74                | 220            | 343               | A                 | V            |
|                              |         | 5445.36           | 48.75            | -25.25            | 74                    | 39.46               | 31.69                   | 10.22            | 32.62                | 220            | 343               | P                 | V            |
|                              |         | 5458.56           | 39.3             | -14.7             | 54                    | 29.95               | 31.73                   | 10.24            | 32.62                | 220            | 343               | A                 | V            |
| 802.11ac VHT20 CH 60 5300MHz |         | 5037.06           | 50.31            | -23.69            | 74                    | 41.84               | 31.45                   | 9.91             | 32.89                | 325            | 313               | P                 | H            |
|                              |         | 5100.3            | 40.74            | -13.26            | 54                    | 31.81               | 31.8                    | 9.98             | 32.85                | 325            | 313               | A                 | H            |
|                              | *       | 5300              | 108.67           | -                 | -                     | 99.87               | 31.4                    | 10.12            | 32.72                | 325            | 313               | P                 | H            |
|                              | *       | 5300              | 100.66           | -                 | -                     | 91.86               | 31.4                    | 10.12            | 32.72                | 325            | 313               | A                 | H            |
|                              |         | 5452.8            | 49.54            | -24.46            | 74                    | 40.22               | 31.71                   | 10.23            | 32.62                | 325            | 313               | P                 | H            |
|                              |         | 5350.32           | 40.22            | -13.78            | 54                    | 31.47               | 31.3                    | 10.14            | 32.69                | 325            | 313               | A                 | H            |
|                              |         | 5120.02           | 50.12            | -23.88            | 74                    | 41.15               | 31.8                    | 10               | 32.83                | 100            | 15                | P                 | V            |
|                              |         | 5094.52           | 40.71            | -13.29            | 54                    | 31.82               | 31.77                   | 9.97             | 32.85                | 100            | 15                | A                 | V            |
|                              | *       | 5300              | 108.36           | -                 | -                     | 99.56               | 31.4                    | 10.12            | 32.72                | 100            | 15                | P                 | V            |
|                              | *       | 5300              | 100.13           | -                 | -                     | 91.33               | 31.4                    | 10.12            | 32.72                | 100            | 15                | A                 | V            |
|                              | 5352.72 | 50.25             | -23.75           | 74                | 41.47                 | 31.32               | 10.14                   | 32.68            | 100                  | 15             | P                 | V                 |              |
|                              | 5350.08 | 41.16             | -12.84           | 54                | 32.41                 | 31.3                | 10.14                   | 32.69            | 100                  | 15             | A                 | V                 |              |



|   |   |         |        |        |    |       |       |       |       |     |     |   |   |
|---|---|---------|--------|--------|----|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 64</b><br><b>5320MHz</b> | *   | 5320    | 107.97 | -      | -  | 99.19 | 31.36 | 10.13 | 32.71 | 306 | 292 | P | H |
|   | *   | 5320    | 99.65  | -      | -  | 90.87 | 31.36 | 10.13 | 32.71 | 306 | 292 | A | H |
|   |   | 5352.96 | 56.31  | -17.69 | 74 | 47.53 | 31.32 | 10.14 | 32.68 | 306 | 292 | P | H |
|   |   | 5350.08 | 48.66  | -5.34  | 54 | 39.91 | 31.3  | 10.14 | 32.69 | 306 | 292 | A | H |
|   |   |         |        |        |    |       |       |       |       |     |     |   | H |
|   |   |         |        |        |    |       |       |       |       |     |     |   | H |
|   | *   | 5320    | 107.89 | -      | -  | 99.11 | 31.36 | 10.13 | 32.71 | 108 | 8   | P | V |
|   | *   | 5320    | 100    | -      | -  | 91.22 | 31.36 | 10.13 | 32.71 | 108 | 8   | A | V |
|   |   | 5350.56 | 58.72  | -15.28 | 74 | 49.97 | 31.3  | 10.14 | 32.69 | 108 | 8   | P | V |
|   |   | 5350.08 | 48.64  | -5.36  | 54 | 39.89 | 31.3  | 10.14 | 32.69 | 108 | 8   | A | V |
|   |   |         |        |        |    |       |       |       |       |     |     |   | V |
|   |   |         |        |        |    |       |       |       |       |     |     |   | V |
| <b>Remark</b>   | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |       |       |     |     |   |   |



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

| WIFI Ant. 1                     | Note   | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|---------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ac VHT20 CH 52<br>5260MHz |  | 10520             | 46.77            | -21.43            | 68.2                  | 54.1              | 39.9                    | 16.46            | 63.69                | 100            | 0                 | P               | H          |   |
|                                 |  | 15780             | 44.54            | -29.46            | 74                    | 48.76             | 37.22                   | 20.57            | 62.01                | 100            | 0                 | P               | H          |   |
|                                 |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                 |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                 |  |                   | 10520            | 47.9              | -20.3                 | 68.2              | 55.23                   | 39.9             | 16.46                | 63.69          | 100               | 0               | P          | V |
|                                 |  |                   | 15780            | 44.21             | -29.79                | 74                | 48.43                   | 37.22            | 20.57                | 62.01          | 100               | 0               | P          | V |
|                                 |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ac VHT20 CH 60<br>5300MHz |  | 10600             | 46.67            | -27.33            | 74                    | 53.9              | 39.9                    | 16.51            | 63.64                | 100            | 0                 | P               | H          |   |
|                                 |  | 15900             | 42.94            | -31.06            | 74                    | 47.56             | 36.9                    | 20.54            | 62.06                | 100            | 0                 | P               | H          |   |
|                                 |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                 |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                 |  |                   | 10600            | 45.54             | -28.46                | 74                | 52.77                   | 39.9             | 16.51                | 63.64          | 100               | 0               | P          | V |
|                                 |  |                   | 15900            | 43.83             | -30.17                | 74                | 48.45                   | 36.9             | 20.54                | 62.06          | 100               | 0               | P          | V |
|                                 |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ac VHT20 CH 64<br>5320MHz |  | 10640             | 47.34            | -26.66            | 74                    | 54.6              | 39.82                   | 16.54            | 63.62                | 100            | 0                 | P               | H          |   |
|                                 |  | 15960             | 43.21            | -30.79            | 74                    | 47.98             | 36.78                   | 20.53            | 62.08                | 100            | 0                 | P               | H          |   |
|                                 |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                 |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                 |  |                   | 10640            | 46.21             | -27.79                | 74                | 53.47                   | 39.82            | 16.54                | 63.62          | 100               | 0               | P          | V |
|                                 |  |                   | 15960            | 42.8              | -31.2                 | 74                | 47.57                   | 36.78            | 20.53                | 62.08          | 100               | 0               | P          | V |
|                                 |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| Remark                          | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |
|                                 | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



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

| WIFI Ant. 1                  | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT40 CH 54 5270MHz |   | 5145.18           | 53.09            | -20.91            | 74                    | 44.08               | 31.8                    | 10.03            | 32.82                | 297            | 322               | P                 | H            |
|                              |   | 5149.94           | 44.55            | -9.45             | 54                    | 35.53               | 31.8                    | 10.03            | 32.81                | 297            | 322               | A                 | H            |
|                              | *   | 5270              | 108.22           | -                 | -                     | 99.45               | 31.4                    | 10.11            | 32.74                | 297            | 322               | P                 | H            |
|                              | *   | 5270              | 99.57            | -                 | -                     | 90.8                | 31.4                    | 10.11            | 32.74                | 297            | 322               | A                 | H            |
|                              |   | 5350.08           | 59.65            | -14.35            | 74                    | 50.9                | 31.3                    | 10.14            | 32.69                | 297            | 322               | P                 | H            |
|                              |   | 5350.08           | 50.7             | -3.3              | 54                    | 41.95               | 31.3                    | 10.14            | 32.69                | 297            | 322               | A                 | H            |
|                              |   | 5140.08           | 54.61            | -19.39            | 74                    | 45.61               | 31.8                    | 10.02            | 32.82                | 100            | 350               | P                 | V            |
|                              |   | 5149.6            | 45.09            | -8.91             | 54                    | 36.07               | 31.8                    | 10.03            | 32.81                | 100            | 350               | A                 | V            |
|                              | *   | 5270              | 106.57           | -                 | -                     | 97.8                | 31.4                    | 10.11            | 32.74                | 100            | 350               | P                 | V            |
|                              | *   | 5270              | 97.78            | -                 | -                     | 89.01               | 31.4                    | 10.11            | 32.74                | 100            | 350               | A                 | V            |
|                              |   | 5350.08           | 59.65            | -14.35            | 74                    | 50.9                | 31.3                    | 10.14            | 32.69                | 100            | 350               | P                 | V            |
|                              |   | 5350.08           | 50.61            | -3.39             | 54                    | 41.86               | 31.3                    | 10.14            | 32.69                | 100            | 350               | A                 | V            |
| 802.11ac VHT40 CH 62 5310MHz |   | 5080.92           | 50.29            | -23.71            | 74                    | 41.5                | 31.69                   | 9.96             | 32.86                | 393            | 311               | P                 | H            |
|                              |   | 5092.82           | 40.52            | -13.48            | 54                    | 31.64               | 31.76                   | 9.97             | 32.85                | 393            | 311               | A                 | H            |
|                              | *   | 5310              | 103.16           | -                 | -                     | 94.37               | 31.38                   | 10.12            | 32.71                | 393            | 311               | P                 | H            |
|                              | *   | 5310              | 94.91            | -                 | -                     | 86.12               | 31.38                   | 10.12            | 32.71                | 393            | 311               | A                 | H            |
|                              |   | 5350.32           | 57.46            | -16.54            | 74                    | 48.71               | 31.3                    | 10.14            | 32.69                | 393            | 311               | P                 | H            |
|                              |   | 5350.08           | 47.11            | -6.89             | 54                    | 38.36               | 31.3                    | 10.14            | 32.69                | 393            | 311               | A                 | H            |
|                              |   | 5136              | 51.08            | -22.92            | 74                    | 42.08               | 31.8                    | 10.02            | 32.82                | 103            | 0                 | P                 | V            |
|                              |   | 5091.46           | 40.49            | -13.51            | 54                    | 31.62               | 31.75                   | 9.97             | 32.85                | 103            | 0                 | A                 | V            |
|                              | *   | 5310              | 103.65           | -                 | -                     | 94.86               | 31.38                   | 10.12            | 32.71                | 103            | 0                 | P                 | V            |
|                              | *   | 5310              | 95.08            | -                 | -                     | 86.29               | 31.38                   | 10.12            | 32.71                | 103            | 0                 | A                 | V            |
|                              | 5350.32   | 59.32             | -14.68           | 74                | 50.57                 | 31.3                | 10.14                   | 32.69            | 103                  | 0              | P                 | V                 |              |
|                              | 5350.08   | 49.13             | -4.87            | 54                | 40.38                 | 31.3                | 10.14                   | 32.69            | 103                  | 0              | A                 | V                 |              |
| <b>Remark</b>                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |



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

| WIFI Ant. 1                  | Note   | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ac VHT40 CH 54 5270MHz |  | 10540             | 44.57            | -23.63            | 68.2                  | 51.88               | 39.9                    | 16.47            | 63.68                | 100            | 0                 | P                 | H            |   |
|                              |  | 15810             | 42.91            | -31.09            | 74                    | 47.2                | 37.17                   | 20.56            | 62.02                | 100            | 0                 | P                 | H            |   |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                              |  |                   | 10540            | 45.71             | -22.49                | 68.2                | 53.02                   | 39.9             | 16.47                | 63.68          | 100               | 0                 | P            | V |
|                              |  |                   | 15810            | 43.87             | -30.13                | 74                  | 48.16                   | 37.17            | 20.56                | 62.02          | 100               | 0                 | P            | V |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ac VHT40 CH 62 5310MHz |  | 10620             | 44.59            | -29.41            | 74                    | 51.84               | 39.86                   | 16.52            | 63.63                | 100            | 0                 | P                 | H            |   |
|                              |  | 15930             | 42.52            | -31.48            | 74                    | 47.21               | 36.84                   | 20.54            | 62.07                | 100            | 0                 | P                 | H            |   |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                              |  |                   | 10620            | 44.57             | -29.43                | 74                  | 51.82                   | 39.86            | 16.52                | 63.63          | 100               | 0                 | P            | V |
|                              |  |                   | 15930            | 42.38             | -31.62                | 74                  | 47.07                   | 36.84            | 20.54                | 62.07          | 100               | 0                 | P            | V |
|                              |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| Remark                       | 1. No other spurious found.                                  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |
|                              | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |



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

| WIFI Ant. 1                  | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT80 CH 58 5290MHz |   | 5029.7            | 50.98            | -23.02            | 74                    | 42.55               | 31.42                   | 9.9              | 32.89                | 378            | 309               | P                 | H            |
|                              |   | 5101.7            | 40.51            | -13.49            | 54                    | 31.57               | 31.8                    | 9.98             | 32.84                | 378            | 309               | A                 | H            |
|                              | *   | 5290              | 100.31           | -                 | -                     | 91.51               | 31.4                    | 10.12            | 32.72                | 378            | 309               | P                 | H            |
|                              | *   | 5290              | 91.87            | -                 | -                     | 83.07               | 31.4                    | 10.12            | 32.72                | 378            | 309               | A                 | H            |
|                              |   | 5351.04           | 58.89            | -15.11            | 74                    | 50.13               | 31.31                   | 10.14            | 32.69                | 378            | 309               | P                 | H            |
|                              |   | 5350.08           | 46.57            | -7.43             | 54                    | 37.82               | 31.3                    | 10.14            | 32.69                | 378            | 309               | A                 | H            |
|                              |   | 5045.9            | 50.98            | -23.02            | 74                    | 42.46               | 31.48                   | 9.92             | 32.88                | 108            | 1                 | P                 | V            |
|                              |   | 5098.4            | 40.52            | -13.48            | 54                    | 31.6                | 31.79                   | 9.98             | 32.85                | 108            | 1                 | A                 | V            |
|                              | *   | 5290              | 99.54            | -                 | -                     | 90.74               | 31.4                    | 10.12            | 32.72                | 108            | 1                 | P                 | V            |
|                              | *   | 5290              | 91.13            | -                 | -                     | 82.33               | 31.4                    | 10.12            | 32.72                | 108            | 1                 | A                 | V            |
|                              |   | 5359.68           | 61.88            | -12.12            | 74                    | 53.06               | 31.36                   | 10.14            | 32.68                | 108            | 1                 | P                 | V            |
|                              |   | 5350.8            | 48.27            | -5.73             | 54                    | 39.52               | 31.3                    | 10.14            | 32.69                | 108            | 1                 | A                 | V            |
| <b>Remark</b>                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |



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

| WIFI Ant. 1                  | Note   | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ac VHT80 CH 58 5290MHz |  | 10580             | 42.71            | -25.49            | 68.2                  | 49.96             | 39.9                    | 16.5             | 63.65                | 100            | 0                 | P               | H          |   |
|                              |  | 15870             | 43.25            | -30.75            | 74                    | 47.76             | 36.99                   | 20.55            | 62.05                | 100            | 0                 | P               | H          |   |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |  |                   | 10580            | 42.64             | -25.56                | 68.2              | 49.89                   | 39.9             | 16.5                 | 63.65          | 100               | 0               | P          | V |
|                              |  |                   | 15870            | 42.58             | -31.42                | 74                | 47.09                   | 36.99            | 20.55                | 62.05          | 100               | 0               | P          | V |
|                              |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| Remark                       | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |
|                              | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |





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

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |   |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|---|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |   |
| 1                            |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |   |
| 802.11a<br>CH 100<br>5500MHz |      | 5458      | 53.17      | -20.83 | 74         | 43.82    | 31.73    | 10.24  | 32.62  | 266    | 312     | P       | H       |   |
|                              |      | 5469.68   | 59.66      | -8.54  | 68.2       | 50.23    | 31.78    | 10.26  | 32.61  | 266    | 312     | P       | H       |   |
|                              |      | 5460      | 42.41      | -11.59 | 54         | 33.05    | 31.74    | 10.24  | 32.62  | 266    | 312     | A       | H       |   |
|                              | *    | 5500      | 111.8      | -      | -          | 102.18   | 31.9     | 10.31  | 32.59  | 266    | 312     | P       | H       |   |
|                              | *    | 5500      | 104.18     | -      | -          | 94.56    | 31.9     | 10.31  | 32.59  | 266    | 312     | A       | H       |   |
|                              |      |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                              |      |           | 5458.8     | 52.51  | -21.49     | 74       | 43.15    | 31.74  | 10.24  | 32.62  | 199     | 18      | P       | V |
|                              |      |           | 5469.36    | 59.15  | -9.05      | 68.2     | 49.72    | 31.78  | 10.26  | 32.61  | 199     | 18      | P       | V |
|                              |      |           | 5460       | 42.2   | -11.8      | 54       | 32.84    | 31.74  | 10.24  | 32.62  | 199     | 18      | A       | V |
|                              | *    |           | 5500       | 109.85 | -          | -        | 100.23   | 31.9   | 10.31  | 32.59  | 199     | 18      | P       | V |
|                              | *    |           | 5500       | 101.97 | -          | -        | 92.35    | 31.9   | 10.31  | 32.59  | 199     | 18      | A       | V |
|                              |      |           |            |        |            |          |          |        |        |        |         |         |         | V |
| 802.11a<br>CH 116<br>5580MHz |      | 5444.8    | 50.14      | -23.86 | 74         | 40.86    | 31.69    | 10.22  | 32.63  | 272    | 309     | P       | H       |   |
|                              |      | 5469.52   | 48.42      | -19.78 | 68.2       | 38.99    | 31.78    | 10.26  | 32.61  | 272    | 309     | P       | H       |   |
|                              |      | 5428.72   | 40.12      | -13.88 | 54         | 30.91    | 31.66    | 10.19  | 32.64  | 272    | 309     | A       | H       |   |
|                              | *    | 5580      | 113.98     | -      | -          | 104.26   | 31.86    | 10.43  | 32.57  | 272    | 309     | P       | H       |   |
|                              | *    | 5580      | 106.02     | -      | -          | 96.3     | 31.86    | 10.43  | 32.57  | 272    | 309     | A       | H       |   |
|                              |      |           | 5740.43    | 51.15  | -17.05     | 68.2     | 40.95    | 32.18  | 10.54  | 32.52  | 272     | 309     | P       | H |
|                              |      |           | 5450.8     | 49.98  | -24.02     | 74       | 40.67    | 31.7   | 10.23  | 32.62  | 208     | 18      | P       | V |
|                              |      |           | 5461.84    | 49.4   | -18.8      | 68.2     | 40.01    | 31.75  | 10.25  | 32.61  | 208     | 18      | P       | V |
|                              |      |           | 5458.96    | 39.97  | -14.03     | 54       | 30.61    | 31.74  | 10.24  | 32.62  | 208     | 18      | A       | V |
|                              | *    |           | 5580       | 109.5  | -          | -        | 99.78    | 31.86  | 10.43  | 32.57  | 208     | 18      | P       | V |
|                              | *    |           | 5580       | 101.95 | -          | -        | 92.23    | 31.86  | 10.43  | 32.57  | 208     | 18      | A       | V |
|                              |      |           | 5726.255   | 50.65  | -17.55     | 68.2     | 40.5     | 32.15  | 10.53  | 32.53  | 208     | 18      | P       | V |



|   |               |   |        |        |      |        |       |       |       |     |     |   |   |
|---|---------------|---|--------|--------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 140</b><br><b>5700MHz</b> | *             | 5700  | 112.41 | -      | -    | 102.33 | 32.1  | 10.51 | 32.53 | 287 | 310 | P | H |
|   | *             | 5700  | 104.83 | -      | -    | 94.75  | 32.1  | 10.51 | 32.53 | 287 | 310 | A | H |
|   |               | 5728.36   | 62.33  | -5.87  | 68.2 | 52.17  | 32.16 | 10.53 | 32.53 | 287 | 310 | P | H |
|   |               |   |        |        |      |        |       |       |       |     |     |   | H |
|   |               |   |        |        |      |        |       |       |       |     |     |   | H |
|   |               |   |        |        |      |        |       |       |       |     |     |   | H |
|   | *             | 5700  | 106.69 | -      | -    | 96.61  | 32.1  | 10.51 | 32.53 | 210 | 18  | P | V |
|   | *             | 5700  | 98.41  | -      | -    | 88.33  | 32.1  | 10.51 | 32.53 | 210 | 18  | A | V |
|   |               | 5725.32   | 57.18  | -11.02 | 68.2 | 47.03  | 32.15 | 10.53 | 32.53 | 210 | 18  | 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. 1                  | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11a<br>CH 100<br>5500MHz |   | 11000             | 45.49            | -28.51            | 74                    | 52.13             | 40                      | 16.76            | 63.4                 | 100            | 0                 | P               | H          |   |
|                              |   | 16500             | 44.53            | -23.67            | 68.2                  | 47.24             | 38.4                    | 21.19            | 62.3                 | 100            | 0                 | P               | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |   |                   | 11000            | 44.44             | -29.56                | 74                | 51.08                   | 40               | 16.76                | 63.4           | 100               | 0               | P          | V |
|                              |   |                   | 16500            | 44.9              | -23.3                 | 68.2              | 47.61                   | 38.4             | 21.19                | 62.3           | 100               | 0               | P          | V |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11a<br>CH 116<br>5580MHz |   | 11160             | 46.45            | -27.55            | 74                    | 53.41             | 39.48                   | 16.99            | 63.43                | 100            | 0                 | P               | H          |   |
|                              |   | 16740             | 45.82            | -22.38            | 68.2                  | 47.09             | 39.38                   | 21.51            | 62.16                | 100            | 0                 | P               | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |   |                   | 11160            | 46.1              | -27.9                 | 74                | 53.06                   | 39.48            | 16.99                | 63.43          | 100               | 0               | P          | V |
|                              |   |                   | 16740            | 45.82             | -22.38                | 68.2              | 47.09                   | 39.38            | 21.51                | 62.16          | 100               | 0               | P          | V |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11a<br>CH 140<br>5700MHz |   | 11400             | 44.44            | -29.56            | 74                    | 50.88             | 39.7                    | 17.34            | 63.48                | 100            | 0                 | P               | H          |   |
|                              |   | 17100             | 45.76            | -22.44            | 68.2                  | 45.97             | 39.7                    | 21.95            | 61.86                | 100            | 0                 | P               | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |   |                   | 11400            | 44.97             | -29.03                | 74                | 51.41                   | 39.7             | 17.34                | 63.48          | 100               | 0               | P          | V |
|                              |   |                   | 17100            | 45.57             | -22.63                | 68.2              | 45.78                   | 39.7             | 21.95                | 61.86          | 100               | 0               | P          | V |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| <b>Remark</b>                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



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

| WIFI Ant. 1                   | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|-------------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ac VHT20 CH 100 5500MHz |      | 5455.12           | 49.66            | -24.34            | 74                    | 40.32               | 31.72                   | 10.24            | 32.62                | 254            | 352               | P                 | H            |   |
|                               |      | 5468.72           | 60.35            | -7.85             | 68.2                  | 50.93               | 31.77                   | 10.26            | 32.61                | 254            | 352               | P                 | H            |   |
|                               |      | 5460              | 41.46            | -12.54            | 54                    | 32.1                | 31.74                   | 10.24            | 32.62                | 254            | 352               | A                 | H            |   |
|                               | *    | 5500              | 109.9            | -                 | -                     | 100.28              | 31.9                    | 10.31            | 32.59                | 254            | 352               | P                 | H            |   |
|                               | *    | 5500              | 101.81           | -                 | -                     | 92.19               | 31.9                    | 10.31            | 32.59                | 254            | 352               | A                 | H            |   |
|                               |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | H |
|                               |      |                   | 5460.08          | 50.52             | -17.68                | 68.2                | 41.16                   | 31.74            | 10.24                | 32.62          | 212               | 15                | P            | V |
|                               |      |                   | 5469.36          | 60.69             | -7.51                 | 68.2                | 51.26                   | 31.78            | 10.26                | 32.61          | 212               | 15                | P            | V |
|                               |      |                   | 5460             | 42.16             | -11.84                | 54                  | 32.8                    | 31.74            | 10.24                | 32.62          | 212               | 15                | A            | V |
|                               | *    |                   | 5506             | 108.53            | -                     | -                   | 98.92                   | 31.89            | 10.31                | 32.59          | 212               | 15                | P            | V |
|                               | *    |                   | 5506             | 100.88            | -                     | -                   | 91.27                   | 31.89            | 10.31                | 32.59          | 212               | 15                | A            | V |
|                               |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
| 802.11ac VHT20 CH 116 5580MHz |      | 5439.76           | 51.48            | -22.52            | 74                    | 42.22               | 31.68                   | 10.21            | 32.63                | 257            | 336               | P                 | H            |   |
|                               |      | 5461.12           | 48.66            | -19.54            | 68.2                  | 39.29               | 31.74                   | 10.24            | 32.61                | 257            | 336               | P                 | H            |   |
|                               |      | 5457.52           | 39.8             | -14.2             | 54                    | 30.45               | 31.73                   | 10.24            | 32.62                | 257            | 336               | A                 | H            |   |
|                               | *    | 5580              | 111.33           | -                 | -                     | 101.61              | 31.86                   | 10.43            | 32.57                | 257            | 336               | P                 | H            |   |
|                               | *    | 5580              | 102.73           | -                 | -                     | 93.01               | 31.86                   | 10.43            | 32.57                | 257            | 336               | A                 | H            |   |
|                               |      |                   | 5725.625         | 50.86             | -17.34                | 68.2                | 40.71                   | 32.15            | 10.53                | 32.53          | 257               | 336               | P            | H |
|                               |      |                   | 5430.16          | 50.78             | -23.22                | 74                  | 41.55                   | 31.66            | 10.2                 | 32.63          | 207               | 17                | P            | V |
|                               |      |                   | 5462.32          | 48.68             | -19.52                | 68.2                | 39.29                   | 31.75            | 10.25                | 32.61          | 207               | 17                | P            | V |
|                               |      |                   | 5457.52          | 39.79             | -14.21                | 54                  | 30.44                   | 31.73            | 10.24                | 32.62          | 207               | 17                | A            | V |
|                               | *    |                   | 5580             | 109.25            | -                     | -                   | 99.53                   | 31.86            | 10.43                | 32.57          | 207               | 17                | P            | V |
|                               | *    |                   | 5580             | 101.35            | -                     | -                   | 91.63                   | 31.86            | 10.43                | 32.57          | 207               | 17                | A            | V |
|                               |      | 5748.935          | 50.39            | -17.81            | 68.2                  | 40.17               | 32.2                    | 10.54            | 32.52                | 207            | 17                | P                 | V            |   |



|  |   |         |        |       |      |       |       |       |       |     |     |   |   |
|--|---|---------|--------|-------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 140</b><br><b>5700MHz</b> | *   | 5700    | 109.21 | -     | -    | 99.13 | 32.1  | 10.51 | 32.53 | 263 | 335 | P | H |
|  | *   | 5700    | 100.96 | -     | -    | 90.88 | 32.1  | 10.51 | 32.53 | 263 | 335 | A | H |
|  |   | 5726.92 | 64.98  | -3.22 | 68.2 | 54.83 | 32.15 | 10.53 | 32.53 | 263 | 335 | P | H |
|  |   |         |        |       |      |       |       |       |       |     |     |   | H |
|  |   |         |        |       |      |       |       |       |       |     |     |   | H |
|  |   |         |        |       |      |       |       |       |       |     |     |   | H |
|  | *   | 5700    | 107.36 | -     | -    | 97.28 | 32.1  | 10.51 | 32.53 | 200 | 18  | P | V |
|  | *   | 5700    | 99.24  | -     | -    | 89.16 | 32.1  | 10.51 | 32.53 | 200 | 18  | A | V |
|  |   | 5725    | 63.61  | -4.59 | 68.2 | 53.46 | 32.15 | 10.53 | 32.53 | 200 | 18  | 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. 1                   | Note   | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|-------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ac VHT20 CH 100 5500MHz |  | 11000             | 44.92            | -29.08            | 74                    | 51.56             | 40                      | 16.76            | 63.4                 | 100            | 0                 | P               | H          |   |
|                               |  | 16500             | 45.18            | -23.02            | 68.2                  | 47.89             | 38.4                    | 21.19            | 62.3                 | 100            | 0                 | P               | H          |   |
|                               |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                               |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                               |  |                   | 11000            | 45.08             | -28.92                | 74                | 51.72                   | 40               | 16.76                | 63.4           | 100               | 0               | P          | V |
|                               |  |                   | 16500            | 44.55             | -23.65                | 68.2              | 47.26                   | 38.4             | 21.19                | 62.3           | 100               | 0               | P          | V |
|                               |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ac VHT20 CH 116 5580MHz |  | 11160             | 45.62            | -28.38            | 74                    | 52.58             | 39.48                   | 16.99            | 63.43                | 100            | 0                 | P               | H          |   |
|                               |  | 16740             | 45.94            | -22.26            | 68.2                  | 47.21             | 39.38                   | 21.51            | 62.16                | 100            | 0                 | P               | H          |   |
|                               |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                               |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                               |  |                   | 11160            | 46.6              | -27.4                 | 74                | 53.56                   | 39.48            | 16.99                | 63.43          | 100               | 0               | P          | V |
|                               |  |                   | 16740            | 45.33             | -22.87                | 68.2              | 46.6                    | 39.38            | 21.51                | 62.16          | 100               | 0               | P          | V |
|                               |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ac VHT20 CH 140 5700MHz |  | 11400             | 44.76            | -29.24            | 74                    | 51.2              | 39.7                    | 17.34            | 63.48                | 100            | 0                 | P               | H          |   |
|                               |  | 17100             | 45.9             | -22.3             | 68.2                  | 46.11             | 39.7                    | 21.95            | 61.86                | 100            | 0                 | P               | H          |   |
|                               |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                               |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                               |  |                   | 11400            | 44.33             | -29.67                | 74                | 50.77                   | 39.7             | 17.34                | 63.48          | 100               | 0               | P          | V |
|                               |  |                   | 17100            | 47.3              | -20.9                 | 68.2              | 47.51                   | 39.7             | 21.95                | 61.86          | 100               | 0               | P          | V |
|                               |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| Remark                        | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |
|                               | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



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

| WIFI Ant. 1                   | Note    | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-------------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT40 CH 102 5510MHz |         | 5457.76           | 57.14            | -16.86            | 74                    | 47.79               | 31.73                   | 10.24            | 32.62                | 251            | 353               | P                 | H            |
|                               |         | 5469.52           | 63.8             | -4.4              | 68.2                  | 54.37               | 31.78                   | 10.26            | 32.61                | 251            | 353               | P                 | H            |
|                               |         | 5459.92           | 48.45            | -5.55             | 54                    | 39.09               | 31.74                   | 10.24            | 32.62                | 251            | 353               | A                 | H            |
|                               | *       | 5510              | 105.85           | -                 | -                     | 96.24               | 31.88                   | 10.32            | 32.59                | 251            | 353               | P                 | H            |
|                               | *       | 5510              | 97.52            | -                 | -                     | 87.91               | 31.88                   | 10.32            | 32.59                | 251            | 353               | A                 | H            |
|                               |         | 5762.165          | 50.13            | -18.07            | 68.2                  | 39.88               | 32.22                   | 10.55            | 32.52                | 251            | 353               | P                 | H            |
|                               |         | 5459.2            | 60.28            | -13.72            | 74                    | 50.92               | 31.74                   | 10.24            | 32.62                | 264            | 10                | P                 | V            |
|                               |         | 5468.08           | 64.4             | -3.8              | 68.2                  | 54.98               | 31.77                   | 10.26            | 32.61                | 264            | 10                | P                 | V            |
|                               |         | 5459.92           | 50.58            | -3.42             | 54                    | 41.22               | 31.74                   | 10.24            | 32.62                | 264            | 10                | A                 | V            |
|                               | *       | 5510              | 105.47           | -                 | -                     | 95.86               | 31.88                   | 10.32            | 32.59                | 264            | 10                | P                 | V            |
|                               | *       | 5510              | 97.14            | -                 | -                     | 87.53               | 31.88                   | 10.32            | 32.59                | 264            | 10                | A                 | V            |
|                               | 5746.73 | 49.49             | -18.71           | 68.2              | 39.28                 | 32.19               | 10.54                   | 32.52            | 264                  | 10             | P                 | V                 |              |
| 802.11ac VHT40 CH 110 5550MHz |         | 5459.68           | 57.04            | -16.96            | 74                    | 47.68               | 31.74                   | 10.24            | 32.62                | 243            | 353               | P                 | H            |
|                               |         | 5467.36           | 60.97            | -7.23             | 68.2                  | 51.56               | 31.77                   | 10.25            | 32.61                | 243            | 353               | P                 | H            |
|                               |         | 5459.92           | 47.91            | -6.09             | 54                    | 38.55               | 31.74                   | 10.24            | 32.62                | 243            | 353               | A                 | H            |
|                               | *       | 5550              | 109.75           | -                 | -                     | 100.15              | 31.8                    | 10.38            | 32.58                | 243            | 353               | P                 | H            |
|                               | *       | 5550              | 101.04           | -                 | -                     | 91.44               | 31.8                    | 10.38            | 32.58                | 243            | 353               | A                 | H            |
|                               |         | 5752.085          | 51.09            | -17.11            | 68.2                  | 40.87               | 32.2                    | 10.54            | 32.52                | 243            | 353               | P                 | H            |
|                               |         | 5457.04           | 59.13            | -14.87            | 74                    | 49.78               | 31.73                   | 10.24            | 32.62                | 222            | 20                | P                 | V            |
|                               |         | 5465.68           | 61.62            | -6.58             | 68.2                  | 52.22               | 31.76                   | 10.25            | 32.61                | 222            | 20                | P                 | V            |
|                               |         | 5459.92           | 49.81            | -4.19             | 54                    | 40.45               | 31.74                   | 10.24            | 32.62                | 222            | 20                | A                 | V            |
|                               | *       | 5550              | 107.83           | -                 | -                     | 98.23               | 31.8                    | 10.38            | 32.58                | 222            | 20                | P                 | V            |
|                               | *       | 5550              | 98.87            | -                 | -                     | 89.27               | 31.8                    | 10.38            | 32.58                | 222            | 20                | A                 | V            |
|                               | 5746.73 | 49.88             | -18.32           | 68.2              | 39.67                 | 32.19               | 10.54                   | 32.52            | 222                  | 20             | P                 | V                 |              |



|  |   |          |        |        |      |       |       |       |       |     |     |   |   |
|--|---|----------|--------|--------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><br><b>VHT40</b><br><br><b>CH 134</b><br><br><b>5670MHz</b> |   | 5449.05  | 50.28  | -23.72 | 74   | 40.97 | 31.7  | 10.23 | 32.62 | 265 | 343 | P | H |
|  |   | 5468.65  | 49.77  | -18.43 | 68.2 | 40.35 | 31.77 | 10.26 | 32.61 | 265 | 343 | P | H |
|  |   | 5459.9   | 40.1   | -13.9  | 54   | 30.74 | 31.74 | 10.24 | 32.62 | 265 | 343 | A | H |
|  | *   | 5670     | 109.73 | -      | -    | 99.85 | 31.92 | 10.5  | 32.54 | 265 | 343 | P | H |
|  | *   | 5670     | 101.4  | -      | -    | 91.52 | 31.92 | 10.5  | 32.54 | 265 | 343 | A | H |
|  |   | 5726.85  | 64.12  | -4.08  | 68.2 | 53.97 | 32.15 | 10.53 | 32.53 | 265 | 343 | P | H |
|  |   | 5372.4   | 50.45  | -23.55 | 74   | 41.55 | 31.43 | 10.14 | 32.67 | 147 | 1   | P | V |
|  |   | 5469     | 49.79  | -18.41 | 68.2 | 40.36 | 31.78 | 10.26 | 32.61 | 147 | 1   | P | V |
|  |   | 5459.9   | 39.94  | -14.06 | 54   | 30.58 | 31.74 | 10.24 | 32.62 | 147 | 1   | A | V |
|  | *   | 5670     | 107.38 | -      | -    | 97.5  | 31.92 | 10.5  | 32.54 | 147 | 1   | P | V |
|  | *   | 5670     | 98.99  | -      | -    | 89.11 | 31.92 | 10.5  | 32.54 | 147 | 1   | A | V |
|  |   | 5729.825 | 61.82  | -6.38  | 68.2 | 51.66 | 32.16 | 10.53 | 32.53 | 147 | 1   | 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. 1                   | Note   | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT40 CH 102 5510MHz |  | 11020             | 44.84            | -29.16            | 74                    | 51.53               | 39.92                   | 16.79            | 63.4                 | 100            | 0                 | P                 | H            |
|                               |  | 16530             | 44.41            | -23.79            | 68.2                  | 46.94               | 38.52                   | 21.23            | 62.28                | 100            | 0                 | P                 | H            |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                               |  | 11020             | 44.71            | -29.29            | 74                    | 51.4                | 39.92                   | 16.79            | 63.4                 | 100            | 0                 | P                 | V            |
|                               |  | 16530             | 44.41            | -23.79            | 68.2                  | 46.94               | 38.52                   | 21.23            | 62.28                | 100            | 0                 | P                 | V            |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| 802.11ac VHT40 CH 110 5550MHz |  | 11100             | 44.37            | -29.63            | 74                    | 51.28               | 39.6                    | 16.91            | 63.42                | 100            | 0                 | P                 | H            |
|                               |  | 16650             | 44.11            | -24.09            | 68.2                  | 45.98               | 38.95                   | 21.39            | 62.21                | 100            | 0                 | P                 | H            |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                               |  | 11100             | 43.25            | -30.75            | 74                    | 50.16               | 39.6                    | 16.91            | 63.42                | 100            | 0                 | P                 | V            |
|                               |  | 16650             | 44.28            | -23.92            | 68.2                  | 46.15               | 38.95                   | 21.39            | 62.21                | 100            | 0                 | P                 | V            |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| 802.11ac VHT40 CH 134 5670MHz |  | 11340             | 46.06            | -27.94            | 74                    | 52.75               | 39.52                   | 17.26            | 63.47                | 100            | 0                 | P                 | H            |
|                               |  | 17010             | 45.9             | -22.3             | 68.2                  | 46.32               | 39.7                    | 21.87            | 61.99                | 100            | 0                 | P                 | H            |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                               |  | 11340             | 46.24            | -27.76            | 74                    | 52.93               | 39.52                   | 17.26            | 63.47                | 100            | 0                 | P                 | V            |
|                               |  | 17010             | 45.85            | -22.35            | 68.2                  | 46.27               | 39.7                    | 21.87            | 61.99                | 100            | 0                 | P                 | V            |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| Remark                        | 1. No other spurious found.                                  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |
|                               | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |



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

| WIFI Ant. 1                   | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT80 CH 106 5530MHz |   | 5453.44           | 60.33            | -13.67            | 74                    | 51.01               | 31.71                   | 10.23            | 32.62                | 272            | 314               | P                 | H            |
|                               |   | 5467.36           | 62.7             | -5.5              | 68.2                  | 53.29               | 31.77                   | 10.25            | 32.61                | 272            | 314               | P                 | H            |
|                               |   | 5459.92           | 48.92            | -5.08             | 54                    | 39.56               | 31.74                   | 10.24            | 32.62                | 272            | 314               | A                 | H            |
|                               | *   | 5530              | 101.84           | -                 | -                     | 92.23               | 31.84                   | 10.35            | 32.58                | 272            | 314               | P                 | H            |
|                               | *   | 5530              | 92.18            | -                 | -                     | 82.57               | 31.84                   | 10.35            | 32.58                | 272            | 314               | A                 | H            |
|                               |   | 5759.96           | 50.28            | -17.92            | 68.2                  | 40.03               | 32.22                   | 10.55            | 32.52                | 272            | 314               | P                 | H            |
|                               |   | 5457.76           | 62.82            | -11.18            | 74                    | 53.47               | 31.73                   | 10.24            | 32.62                | 100            | 17                | P                 | V            |
|                               |   | 5464.24           | 64.5             | -3.7              | 68.2                  | 55.1                | 31.76                   | 10.25            | 32.61                | 100            | 17                | P                 | V            |
|                               |   | 5459.92           | 48.5             | -5.5              | 54                    | 39.14               | 31.74                   | 10.24            | 32.62                | 100            | 17                | A                 | V            |
|                               | *   | 5530              | 99.95            | -                 | -                     | 90.34               | 31.84                   | 10.35            | 32.58                | 100            | 17                | P                 | V            |
|                               | *   | 5530              | 91.65            | -                 | -                     | 82.04               | 31.84                   | 10.35            | 32.58                | 100            | 17                | A                 | V            |
|                               | 5751.77   | 49.69             | -18.51           | 68.2              | 39.47                 | 32.2                | 10.54                   | 32.52            | 100                  | 17             | P                 | V                 |              |
| 802.11ac VHT80 CH 122 5610MHz |   | 5455.35           | 54.45            | -19.55            | 74                    | 45.11               | 31.72                   | 10.24            | 32.62                | 252            | 337               | P                 | H            |
|                               |   | 5464.45           | 57.53            | -10.67            | 68.2                  | 48.13               | 31.76                   | 10.25            | 32.61                | 252            | 337               | P                 | H            |
|                               |   | 5459.9            | 45.3             | -8.7              | 54                    | 35.94               | 31.74                   | 10.24            | 32.62                | 252            | 337               | A                 | H            |
|                               | *   | 5610              | 105.97           | -                 | -                     | 96.18               | 31.88                   | 10.47            | 32.56                | 252            | 337               | P                 | H            |
|                               | *   | 5610              | 96.95            | -                 | -                     | 87.16               | 31.88                   | 10.47            | 32.56                | 252            | 337               | A                 | H            |
|                               |   | 5725.8            | 61.46            | -6.74             | 68.2                  | 51.31               | 32.15                   | 10.53            | 32.53                | 252            | 337               | P                 | H            |
|                               |   | 5456.05           | 58.45            | -15.55            | 74                    | 49.11               | 31.72                   | 10.24            | 32.62                | 198            | 21                | P                 | V            |
|                               |   | 5466.9            | 60.05            | -8.15             | 68.2                  | 50.64               | 31.77                   | 10.25            | 32.61                | 198            | 21                | P                 | V            |
|                               |   | 5459.9            | 48.73            | -5.27             | 54                    | 39.37               | 31.74                   | 10.24            | 32.62                | 198            | 21                | A                 | V            |
|                               | *   | 5610              | 102.88           | -                 | -                     | 93.09               | 31.88                   | 10.47            | 32.56                | 198            | 21                | P                 | V            |
|                               | *   | 5610              | 94.21            | -                 | -                     | 84.42               | 31.88                   | 10.47            | 32.56                | 198            | 21                | A                 | V            |
|                               | 5729.125  | 58.68             | -9.52            | 68.2              | 48.52                 | 32.16               | 10.53                   | 32.53            | 198                  | 21             | 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 VHT80 (Harmonic @ 3m)**

| WIFI Ant. 1                   | Note   | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|-------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ac VHT80 CH 106 5530MHz |  | 11060             | 45.41            | -28.59            | 74                    | 52.21               | 39.76                   | 16.85            | 63.41                | 100            | 0                 | P                 | H            |   |
|                               |  | 16590             | 44.42            | -23.78            | 68.2                  | 46.6                | 38.76                   | 21.31            | 62.25                | 100            | 0                 | P                 | H            |   |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                               |  |                   | 11060            | 44.53             | -29.47                | 74                  | 51.33                   | 39.76            | 16.85                | 63.41          | 100               | 0                 | P            | V |
|                               |  |                   | 16590            | 44.33             | -23.87                | 68.2                | 46.51                   | 38.76            | 21.31                | 62.25          | 100               | 0                 | P            | V |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ac VHT80 CH 122 5610MHz |  | 11220             | 44.88            | -29.12            | 74                    | 51.84               | 39.4                    | 17.08            | 63.44                | 100            | 0                 | P                 | H            |   |
|                               |  | 16830             | 45.86            | -22.34            | 68.2                  | 46.5                | 39.83                   | 21.63            | 62.1                 | 100            | 0                 | P                 | H            |   |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                               |  |                   | 11220            | 44.92             | -29.08                | 74                  | 51.88                   | 39.4             | 17.08                | 63.44          | 100               | 0                 | P            | V |
|                               |  |                   | 16830            | 45.2              | -23                   | 68.2                | 45.84                   | 39.83            | 21.63                | 62.1           | 100               | 0                 | P            | V |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| Remark                        | 1. No other spurious found.                                  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |
|                               | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |



Band 2 - 5250~5350MHz

WIFI 802.11ax HE20 (Full RU) (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) |
| 802.11ax<br>HE20<br>(Full RU)<br>CH 52<br>5260MHz |      | 5036.04   | 51.11      | -22.89 | 74         | 42.65    | 31.44    | 9.91   | 32.89  | 219    | 16      | P     | H     |
|   |      | 5098.26   | 40.6       | -13.4  | 54         | 31.68    | 31.79    | 9.98   | 32.85  | 219    | 16      | A     | H     |
|   | *    | 5260      | 111.82     | -      | -          | 103.05   | 31.4     | 10.11  | 32.74  | 219    | 16      | P     | H     |
|   | *    | 5260      | 101.57     | -      | -          | 92.8     | 31.4     | 10.11  | 32.74  | 219    | 16      | A     | H     |
|   |      | 5398.32   | 49.7       | -24.3  | 74         | 40.62    | 31.59    | 10.15  | 32.66  | 219    | 16      | P     | H     |
|   |      | 5459.52   | 39.49      | -14.51 | 54         | 30.13    | 31.74    | 10.24  | 32.62  | 219    | 16      | A     | H     |
|   |      | 5075.48   | 50.87      | -23.13 | 74         | 42.13    | 31.65    | 9.95   | 32.86  | 353    | 338     | P     | V     |
|   |      | 5097.24   | 40.61      | -13.39 | 54         | 31.7     | 31.78    | 9.98   | 32.85  | 353    | 338     | A     | V     |
|   | *    | 5260      | 103.91     | -      | -          | 95.14    | 31.4     | 10.11  | 32.74  | 353    | 338     | P     | V     |
|   | *    | 5260      | 93.24      | -      | -          | 84.47    | 31.4     | 10.11  | 32.74  | 353    | 338     | A     | V     |
|   |      | 5399.52   | 50.19      | -23.81 | 74         | 41.09    | 31.6     | 10.15  | 32.65  | 353    | 338     | P     | V     |
|   |      | 5457.12   | 39.61      | -14.39 | 54         | 30.26    | 31.73    | 10.24  | 32.62  | 353    | 338     | A     | V     |
| 802.11ax<br>HE20<br>(Full RU)<br>5300MHz          |      | 5136.34   | 50.9       | -23.1  | 74         | 41.9     | 31.8     | 10.02  | 32.82  | 242    | 18      | P     | H     |
|   |      | 5096.9    | 40.56      | -13.44 | 54         | 31.65    | 31.78    | 9.98   | 32.85  | 242    | 18      | A     | H     |
|   | *    | 5300      | 112.85     | -      | -          | 104.05   | 31.4     | 10.12  | 32.72  | 242    | 18      | P     | H     |
|   | *    | 5300      | 104.62     | -      | -          | 95.82    | 31.4     | 10.12  | 32.72  | 242    | 18      | A     | H     |
|   |      | 5353.44   | 53.87      | -20.13 | 74         | 45.09    | 31.32    | 10.14  | 32.68  | 242    | 18      | P     | H     |
|   |      | 5350.08   | 43.96      | -10.04 | 54         | 35.21    | 31.3     | 10.14  | 32.69  | 242    | 18      | A     | H     |
|   |      | 5107.1    | 50.38      | -23.62 | 74         | 41.43    | 31.8     | 9.99   | 32.84  | 368    | 344     | P     | V     |
|   |      | 5095.2    | 40.59      | -13.41 | 54         | 31.7     | 31.77    | 9.97   | 32.85  | 368    | 344     | A     | V     |
|   | *    | 5300      | 107.25     | -      | -          | 98.45    | 31.4     | 10.12  | 32.72  | 368    | 344     | P     | V     |
|   | *    | 5300      | 97.32      | -      | -          | 88.52    | 31.4     | 10.12  | 32.72  | 368    | 344     | A     | V     |
|   |      | 5356.08   | 50.07      | -23.93 | 74         | 41.27    | 31.34    | 10.14  | 32.68  | 368    | 344     | P     | V     |
|   |      | 5460      | 39.48      | -14.52 | 54         | 30.12    | 31.74    | 10.24  | 32.62  | 368    | 344     | A     | V     |



|  |   |         |        |        |    |        |       |       |       |     |     |   |   |
|--|---|---------|--------|--------|----|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ax<br/>HE20<br/>(Full RU)<br/>CH 64<br/>5320MHz</b> | *   | 5320    | 110.09 | -      | -  | 101.31 | 31.36 | 10.13 | 32.71 | 267 | 14  | P | H |
|  | *   | 5320    | 100.21 | -      | -  | 91.43  | 31.36 | 10.13 | 32.71 | 267 | 14  | A | H |
|  |   | 5350.88 | 60.56  | -13.44 | 74 | 51.8   | 31.31 | 10.14 | 32.69 | 267 | 14  | P | H |
|  |   | 5350.08 | 48.72  | -5.28  | 54 | 39.97  | 31.3  | 10.14 | 32.69 | 267 | 14  | A | H |
|  |   |         |        |        |    |        |       |       |       |     |     |   | H |
|  |   |         |        |        |    |        |       |       |       |     |     |   | H |
|  | *   | 5320    | 103.84 | -      | -  | 95.06  | 31.36 | 10.13 | 32.71 | 364 | 348 | P | V |
|  | *   | 5320    | 94.29  | -      | -  | 85.51  | 31.36 | 10.13 | 32.71 | 364 | 348 | A | V |
|  |   | 5350.56 | 51.63  | -22.37 | 74 | 42.88  | 31.3  | 10.14 | 32.69 | 364 | 348 | P | V |
|  |   | 5350.08 | 40.88  | -13.12 | 54 | 32.13  | 31.3  | 10.14 | 32.69 | 364 | 348 | 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 802.11ax HE20 (Full RU) (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|---------------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE20 (Full RU) CH 52 5260MHz |  | 10520             | 46.59            | -21.61            | 68.2                  | 53.92             | 39.9                    | 16.46            | 63.69                | 100            | 0                 | P               | H          |   |
|                                       |  | 15780             | 43.32            | -30.68            | 74                    | 47.54             | 37.22                   | 20.57            | 62.01                | 100            | 0                 | P               | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   | 10520            | 47.18             | -21.02                | 68.2              | 54.51                   | 39.9             | 16.46                | 63.69          | 100               | 0               | P          | V |
|                                       |  |                   | 15780            | 43.11             | -30.89                | 74                | 47.33                   | 37.22            | 20.57                | 62.01          | 100               | 0               | P          | V |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ax HE20 (Full RU) CH 60 5300MHz |  | 10600             | 44.89            | -29.11            | 74                    | 52.12             | 39.9                    | 16.51            | 63.64                | 100            | 0                 | P               | H          |   |
|                                       |  | 15900             | 42.65            | -31.35            | 74                    | 47.27             | 36.9                    | 20.54            | 62.06                | 100            | 0                 | P               | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   | 10600            | 44.73             | -29.27                | 74                | 51.96                   | 39.9             | 16.51                | 63.64          | 100               | 0               | P          | V |
|                                       |  |                   | 15900            | 42.05             | -31.95                | 74                | 46.67                   | 36.9             | 20.54                | 62.06          | 100               | 0               | P          | V |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ax HE20 (Full RU) CH 64 5320MHz |  | 10640             | 45.22            | -28.78            | 74                    | 52.48             | 39.82                   | 16.54            | 63.62                | 100            | 0                 | P               | H          |   |
|                                       |  | 15960             | 42.81            | -31.19            | 74                    | 47.58             | 36.78                   | 20.53            | 62.08                | 100            | 0                 | P               | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |  |                   | 10640            | 44.83             | -29.17                | 74                | 52.09                   | 39.82            | 16.54                | 63.62          | 100               | 0               | P          | V |
|                                       |  |                   | 15960            | 42.68             | -31.32                | 74                | 47.45                   | 36.78            | 20.53                | 62.08          | 100               | 0               | P          | V |
|                                       |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| Remark                                | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |
|                                       | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



Band 2 5250~5350MHz

WIFI 802.11ax HE40 (Full RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                         | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE40 (Full RU) CH 54 5270MHz |   | 5147.56           | 51.89            | -22.11            | 74                    | 42.88             | 31.8                    | 10.03            | 32.82                | 254            | 31                | P               | H          |
|                                       |   | 5149.94           | 41.82            | -12.18            | 54                    | 32.8              | 31.8                    | 10.03            | 32.81                | 254            | 31                | A               | H          |
|                                       | *   | 5270              | 109.99           | -                 | -                     | 101.22            | 31.4                    | 10.11            | 32.74                | 254            | 31                | P               | H          |
|                                       | *   | 5270              | 100.84           | -                 | -                     | 92.07             | 31.4                    | 10.11            | 32.74                | 254            | 31                | A               | H          |
|                                       |   | 5351.52           | 59.62            | -14.38            | 74                    | 50.86             | 31.31                   | 10.14            | 32.69                | 254            | 31                | P               | H          |
|                                       |   | 5350.08           | 50.14            | -3.86             | 54                    | 41.39             | 31.3                    | 10.14            | 32.69                | 254            | 31                | A               | H          |
|                                       |   | 5125.12           | 50.91            | -23.09            | 74                    | 41.93             | 31.8                    | 10.01            | 32.83                | 256            | 297               | P               | V          |
|                                       |   | 5149.26           | 40.54            | -13.46            | 54                    | 31.52             | 31.8                    | 10.03            | 32.81                | 256            | 297               | A               | V          |
|                                       | *   | 5270              | 103.8            | -                 | -                     | 95.03             | 31.4                    | 10.11            | 32.74                | 256            | 297               | P               | V          |
|                                       | *   | 5270              | 93.86            | -                 | -                     | 85.09             | 31.4                    | 10.11            | 32.74                | 256            | 297               | A               | V          |
|                                       |   | 5356.8            | 50.57            | -23.43            | 74                    | 41.77             | 31.34                   | 10.14            | 32.68                | 256            | 297               | P               | V          |
|                                       |   | 5350.08           | 40.64            | -13.36            | 54                    | 31.89             | 31.3                    | 10.14            | 32.69                | 256            | 297               | A               | V          |
| 802.11ax HE40 (Full RU) CH 62 5310MHz |   | 5075.48           | 50.34            | -23.66            | 74                    | 41.6              | 31.65                   | 9.95             | 32.86                | 103            | 14                | P               | H          |
|                                       |   | 5098.94           | 40.33            | -13.67            | 54                    | 31.41             | 31.79                   | 9.98             | 32.85                | 103            | 14                | A               | H          |
|                                       | *   | 5310              | 107.89           | -                 | -                     | 99.1              | 31.38                   | 10.12            | 32.71                | 103            | 14                | P               | H          |
|                                       | *   | 5310              | 97.77            | -                 | -                     | 88.98             | 31.38                   | 10.12            | 32.71                | 103            | 14                | A               | H          |
|                                       |   | 5350.56           | 60.74            | -13.26            | 74                    | 51.99             | 31.3                    | 10.14            | 32.69                | 103            | 14                | P               | H          |
|                                       |   | 5350.08           | 48.92            | -5.08             | 54                    | 40.17             | 31.3                    | 10.14            | 32.69                | 103            | 14                | A               | H          |
|                                       |   | 5072.76           | 50.75            | -23.25            | 74                    | 42.02             | 31.64                   | 9.95             | 32.86                | 117            | 22                | P               | V          |
|                                       |   | 5099.62           | 40.29            | -13.71            | 54                    | 31.36             | 31.8                    | 9.98             | 32.85                | 117            | 22                | A               | V          |
|                                       | *   | 5310              | 102.34           | -                 | -                     | 93.55             | 31.38                   | 10.12            | 32.71                | 117            | 22                | P               | V          |
|                                       | *   | 5310              | 93.51            | -                 | -                     | 84.72             | 31.38                   | 10.12            | 32.71                | 117            | 22                | A               | V          |
|                                       |   | 5350.32           | 56.68            | -17.32            | 74                    | 47.93             | 31.3                    | 10.14            | 32.69                | 117            | 22                | P               | V          |
|                                       |   | 5350.08           | 45.41            | -8.59             | 54                    | 36.66             | 31.3                    | 10.14            | 32.69                | 117            | 22                | 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 802.11ax HE40 (Full RU) (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|---|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax<br>HE40<br>(Full RU)<br>CH 54<br>5270MHz |  | 10540             | 45.97            | -22.23            | 68.2                  | 53.28             | 39.9                    | 16.47            | 63.68                | 100            | 0                 | P               | H          |   |
|   |  | 15810             | 43.01            | -30.99            | 74                    | 47.3              | 37.17                   | 20.56            | 62.02                | 100            | 0                 | P               | H          |   |
|   |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|   |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|   |  |                   | 10540            | 45.47             | -22.73                | 68.2              | 52.78                   | 39.9             | 16.47                | 63.68          | 100               | 0               | P          | V |
|   |  |                   | 15810            | 43.41             | -30.59                | 74                | 47.7                    | 37.17            | 20.56                | 62.02          | 100               | 0               | P          | V |
|   |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| 802.11ax<br>HE40<br>(Full RU)<br>CH 62<br>5310MHz |  | 10620             | 48.05            | -25.95            | 74                    | 55.3              | 39.86                   | 16.52            | 63.63                | 100            | 0                 | P               | H          |   |
|   |  | 15930             | 43.59            | -30.41            | 74                    | 48.28             | 36.84                   | 20.54            | 62.07                | 100            | 0                 | P               | H          |   |
|   |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|   |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|   |  |                   | 10620            | 45.38             | -28.62                | 74                | 52.63                   | 39.86            | 16.52                | 63.63          | 100               | 0               | P          | V |
|   |  |                   | 15930            | 42.59             | -31.41                | 74                | 47.28                   | 36.84            | 20.54                | 62.07          | 100               | 0               | P          | V |
|   |  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| Remark  | 1. No other spurious found.                                  |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |
|   | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |





Band 2 5250~5350MHz

WIFI 802.11ax HE80 (Full RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                         | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE80 (Full RU) CH 58 5290MHz |   | 5101.4            | 50.85            | -23.15            | 74                    | 41.92             | 31.8                    | 9.98             | 32.85                | 275            | 29                | P               | H          |
|                                       |   | 5098.4            | 40.18            | -13.82            | 54                    | 31.26             | 31.79                   | 9.98             | 32.85                | 275            | 29                | A               | H          |
|                                       | *   | 5290              | 102.44           | -                 | -                     | 93.64             | 31.4                    | 10.12            | 32.72                | 275            | 29                | P               | H          |
|                                       | *   | 5290              | 94.38            | -                 | -                     | 85.58             | 31.4                    | 10.12            | 32.72                | 275            | 29                | A               | H          |
|                                       |   | 5351.76           | 62.8             | -11.2             | 74                    | 54.03             | 31.31                   | 10.14            | 32.68                | 275            | 29                | P               | H          |
|                                       |   | 5350.08           | 50.56            | -3.44             | 54                    | 41.81             | 31.3                    | 10.14            | 32.69                | 275            | 29                | A               | H          |
|                                       |   | 5083.4            | 51               | -23               | 74                    | 42.2              | 31.7                    | 9.96             | 32.86                | 124            | 1                 | P               | V          |
|                                       |   | 5102.6            | 40.16            | -13.84            | 54                    | 31.22             | 31.8                    | 9.98             | 32.84                | 124            | 1                 | A               | V          |
|                                       | *   | 5290              | 96.34            | -                 | -                     | 87.54             | 31.4                    | 10.12            | 32.72                | 124            | 1                 | P               | V          |
|                                       | *   | 5290              | 88.67            | -                 | -                     | 79.87             | 31.4                    | 10.12            | 32.72                | 124            | 1                 | A               | V          |
|                                       |   | 5352.72           | 56.34            | -17.66            | 74                    | 47.56             | 31.32                   | 10.14            | 32.68                | 124            | 1                 | P               | V          |
|                                       |   | 5350.32           | 45.12            | -8.88             | 54                    | 36.37             | 31.3                    | 10.14            | 32.69                | 124            | 1                 | A               | V          |
| Remark                                | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



**Band 2 5250~5350MHz**

**WIFI 802.11ax HE80 (Full RU) (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|---------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE80 (Full RU) CH 58 5290MHz |   | 10580             | 45.87            | -22.33            | 68.2                  | 53.12             | 39.9                    | 16.5             | 63.65                | 100            | 0                 | P               | H          |   |
|                                       |   | 15870             | 44.65            | -29.35            | 74                    | 49.16             | 36.99                   | 20.55            | 62.05                | 100            | 0                 | P               | H          |   |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                                       |   |                   | 10580            | 44.99             | -23.21                | 68.2              | 52.24                   | 39.9             | 16.5                 | 63.65          | 100               | 0               | P          | V |
|                                       |   |                   | 15870            | 43.63             | -30.37                | 74                | 48.14                   | 36.99            | 20.55                | 62.05          | 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 802.11ax HE20 (Partial 26 8RU) (Band Edge @ 3m)

| WIFI Ant. 1+2               | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE20 CH 64 5320MHz | *   | 5320              | 109.96           | -                 | -                     | 101.18            | 31.36                   | 10.13            | 32.71                | 100            | 60                | P               | H          |   |
|                             | *   | 5320              | 102.82           | -                 | -                     | 94.04             | 31.36                   | 10.13            | 32.71                | 100            | 60                | A               | H          |   |
|                             |   | 5457.12           | 49.11            | -24.89            | 74                    | 39.76             | 31.73                   | 10.24            | 32.62                | 100            | 60                | P               | H          |   |
|                             |   | 5459.68           | 39.58            | -14.42            | 54                    | 30.22             | 31.74                   | 10.24            | 32.62                | 100            | 60                | A               | H          |   |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | H |
|                             | *   | 5320              | 102.89           | -                 | -                     | 94.11             | 31.36                   | 10.13            | 32.71                | 240            | 24                | P               | V          |   |
|                             | *   | 5320              | 95.57            | -                 | -                     | 86.79             | 31.36                   | 10.13            | 32.71                | 240            | 24                | A               | V          |   |
|                             |   | 5397.28           | 48.08            | -25.92            | 74                    | 39.01             | 31.58                   | 10.15            | 32.66                | 240            | 24                | P               | V          |   |
|                             |   | 5460              | 39.49            | -14.51            | 54                    | 30.13             | 31.74                   | 10.24            | 32.62                | 240            | 24                | A               | V          |   |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| <b>Remark</b>               | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



Band 2 5250~5350MHz

WIFI 802.11ax HE20 (Partial 52 40RU) (Band Edge @ 3m)

| WIFI Ant. 1+2               | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE20 CH 64 5320MHz | *   | 5320              | 112.09           | -                 | -                     | 103.31            | 31.36                   | 10.13            | 32.71                | 100            | 56                | P               | H          |
|                             | *   | 5320              | 103.8            | -                 | -                     | 95.02             | 31.36                   | 10.13            | 32.71                | 100            | 56                | A               | H          |
|                             |   | 5409.44           | 49.3             | -24.7             | 74                    | 40.17             | 31.62                   | 10.16            | 32.65                | 100            | 56                | P               | H          |
|                             |   | 5458.56           | 39.62            | -14.38            | 54                    | 30.27             | 31.73                   | 10.24            | 32.62                | 100            | 56                | A               | H          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                             | *   | 5320              | 108.88           | -                 | -                     | 100.1             | 31.36                   | 10.13            | 32.71                | 103            | 22                | P               | V          |
|                             | *   | 5320              | 99.99            | -                 | -                     | 91.21             | 31.36                   | 10.13            | 32.71                | 103            | 22                | A               | V          |
|                             |   | 5445.12           | 49.71            | -24.29            | 74                    | 40.43             | 31.69                   | 10.22            | 32.63                | 103            | 22                | P               | V          |
|                             |   | 5460              | 39.56            | -14.44            | 54                    | 30.2              | 31.74                   | 10.24            | 32.62                | 103            | 22                | A               | V          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
|                             |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| Remark                      | 3. No other spurious found.<br>4. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



Band 2 5250~5350MHz

WIFI 802.11ax HE20 (Partial 106 54RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                        | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax<br>HE20<br>CH 64<br>5320MHz | *   | 5320              | 112.57           | -                 | -                     | 103.79            | 31.36                   | 10.13            | 32.71                | 267            | 21                | P               | H          |
|                                      | *   | 5320              | 103.96           | -                 | -                     | 95.18             | 31.36                   | 10.13            | 32.71                | 267            | 21                | A               | H          |
|                                      |   | 5409.92           | 49.06            | -24.94            | 74                    | 39.92             | 31.62                   | 10.17            | 32.65                | 267            | 21                | P               | H          |
|                                      |   | 5459.2            | 39.86            | -14.14            | 54                    | 30.5              | 31.74                   | 10.24            | 32.62                | 267            | 21                | A               | H          |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                                      | *   | 5320              | 107.55           | -                 | -                     | 98.77             | 31.36                   | 10.13            | 32.71                | 143            | 15                | P               | V          |
|                                      | *   | 5320              | 98.7             | -                 | -                     | 89.92             | 31.36                   | 10.13            | 32.71                | 143            | 15                | A               | V          |
|                                      |   | 5424.48           | 49.66            | -24.34            | 74                    | 40.46             | 31.65                   | 10.19            | 32.64                | 143            | 15                | P               | V          |
|                                      |   | 5457.76           | 39.76            | -14.24            | 54                    | 30.41             | 31.73                   | 10.24            | 32.62                | 143            | 15                | A               | V          |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
|                                      |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
| <b>Remark</b>                        | 5. No other spurious found.<br>6. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



Band 2 5250~5350MHz

WIFI 802.11ax HE40 (Partial 242 62RU) (Band Edge @ 3m)

| WIFI Ant. 1+2               | Note   | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|-----------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax HE40 CH 54 5270MHz |  | 5138.04           | 54.65            | -19.35            | 74                    | 45.65               | 31.8                    | 10.02            | 32.82                | 253            | 16                | P                 | H            |   |
|                             |  | 5139.74           | 40.68            | -13.32            | 54                    | 31.68               | 31.8                    | 10.02            | 32.82                | 253            | 16                | A                 | H            |   |
|                             | *  | 5270              | 113.45           | -                 | -                     | 104.68              | 31.4                    | 10.11            | 32.74                | 253            | 16                | P                 | H            |   |
|                             | *  | 5270              | 104.15           | -                 | -                     | 95.38               | 31.4                    | 10.11            | 32.74                | 253            | 16                | A                 | H            |   |
|                             |  | 5354.4            | 64.44            | -9.56             | 74                    | 55.65               | 31.33                   | 10.14            | 32.68                | 253            | 16                | P                 | H            |   |
|                             |  | 5351.28           | 45.38            | -8.62             | 54                    | 36.62               | 31.31                   | 10.14            | 32.69                | 253            | 16                | A                 | H            |   |
|                             |  | 5120.7            | 51.33            | -22.67            | 74                    | 42.36               | 31.8                    | 10               | 32.83                | 263            | 31                | P                 | V            |   |
|                             |  | 5100.98           | 40.46            | -13.54            | 54                    | 31.53               | 31.8                    | 9.98             | 32.85                | 263            | 31                | A                 | V            |   |
|                             | *  | 5270              | 108.42           | -                 | -                     | 99.65               | 31.4                    | 10.11            | 32.74                | 263            | 31                | P                 | V            |   |
|                             | *  | 5270              | 99.29            | -                 | -                     | 90.52               | 31.4                    | 10.11            | 32.74                | 263            | 31                | A                 | V            |   |
|                             |  | 5354.16           | 56.79            | -17.21            | 74                    | 48.01               | 31.32                   | 10.14            | 32.68                | 263            | 31                | P                 | V            |   |
|                             |  | 5351.04           | 40.22            | -13.78            | 54                    | 31.46               | 31.31                   | 10.14            | 32.69                | 263            | 31                | A                 | V            |   |
|                             | 802.11ax HE40 CH 62 5310MHz  |                   | 5144.16          | 52.22             | -21.78                | 74                  | 43.21                   | 31.8             | 10.03                | 32.82          | 264               | 20                | P            | H |
|                             |  |                   | 5095.88          | 40.4              | -13.6                 | 54                  | 31.49                   | 31.78            | 9.98                 | 32.85          | 264               | 20                | A            | H |
| *                           |  | 5310              | 112.41           | -                 | -                     | 103.62              | 31.38                   | 10.12            | 32.71                | 264            | 20                | P                 | H            |   |
| *                           |  | 5310              | 103.35           | -                 | -                     | 94.56               | 31.38                   | 10.12            | 32.71                | 264            | 20                | A                 | H            |   |
|                             |  | 5353.2            | 62.65            | -11.35            | 74                    | 53.87               | 31.32                   | 10.14            | 32.68                | 264            | 20                | P                 | H            |   |
|                             |  | 5350.08           | 48.77            | -5.23             | 54                    | 40.02               | 31.3                    | 10.14            | 32.69                | 264            | 20                | A                 | H            |   |
|                             |  | 5144.84           | 51.89            | -22.11            | 74                    | 42.88               | 31.8                    | 10.03            | 32.82                | 228            | 20                | P                 | V            |   |
|                             |  | 5094.52           | 40.44            | -13.56            | 54                    | 31.55               | 31.77                   | 9.97             | 32.85                | 228            | 20                | A                 | V            |   |
| *                           |  | 5310              | 106.46           | -                 | -                     | 97.67               | 31.38                   | 10.12            | 32.71                | 228            | 20                | P                 | V            |   |
| *                           |  | 5310              | 96.82            | -                 | -                     | 88.03               | 31.38                   | 10.12            | 32.71                | 228            | 20                | A                 | V            |   |
|                             | 5350.32  | 59.89             | -14.11           | 74                | 51.14                 | 31.3                | 10.14                   | 32.69            | 228                  | 20             | P                 | V                 |              |   |
|                             | 5350.08  | 45.32             | -8.68            | 54                | 36.57                 | 31.3                | 10.14                   | 32.69            | 228                  | 20             | A                 | V                 |              |   |
| Remark                      | <p>3. No other spurious found.</p> <p>4. All results are PASS against Peak and Average limit line.</p> |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |



Band 2 5250~5350MHz

WIFI 802.11ax HE80 (Partial 484 66RU) (Band Edge @ 3m)

| WIFI Ant. 1+2               | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE80 CH 58 5290MHz |   | 5071.1            | 50.9             | -23.1             | 74                    | 42.18             | 31.63                   | 9.95             | 32.86                | 125            | 11                | P               | H          |
|                             |   | 5095.4            | 40.54            | -13.46            | 54                    | 31.65             | 31.77                   | 9.97             | 32.85                | 125            | 11                | A               | H          |
|                             | *   | 5290              | 106.67           | -                 | -                     | 97.87             | 31.4                    | 10.12            | 32.72                | 125            | 11                | P               | H          |
|                             | *   | 5290              | 96.29            | -                 | -                     | 87.49             | 31.4                    | 10.12            | 32.72                | 125            | 11                | A               | H          |
|                             |   | 5367.36           | 59.72            | -14.28            | 74                    | 50.85             | 31.4                    | 10.14            | 32.67                | 125            | 11                | P               | H          |
|                             |   | 5350.08           | 46.75            | -7.25             | 54                    | 38                | 31.3                    | 10.14            | 32.69                | 125            | 11                | A               | H          |
|                             |   | 5111.9            | 51.31            | -22.69            | 74                    | 42.36             | 31.8                    | 9.99             | 32.84                | 216            | 26                | P               | V          |
|                             |   | 5092.4            | 40.54            | -13.46            | 54                    | 31.67             | 31.75                   | 9.97             | 32.85                | 216            | 26                | A               | V          |
|                             | *   | 5290              | 101.19           | -                 | -                     | 92.39             | 31.4                    | 10.12            | 32.72                | 216            | 26                | P               | V          |
|                             | *   | 5290              | 90.6             | -                 | -                     | 81.8              | 31.4                    | 10.12            | 32.72                | 216            | 26                | A               | V          |
|                             |   | 5364              | 54.41            | -19.59            | 74                    | 45.57             | 31.38                   | 10.14            | 32.68                | 216            | 26                | P               | V          |
|                             | 5350.08   | 42.05             | -11.95           | 54                | 33.3                  | 31.3              | 10.14                   | 32.69            | 216                  | 26             | A                 | V               |            |
| Remark                      | 3. No other spurious found.<br>4. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11ax HE20 (Full RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                          | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|--|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax HE20 (Full RU) CH 100 5500MHz |      | 5459.44           | 53.93            | -20.07            | 74                    | 44.57               | 31.74                   | 10.24            | 32.62                | 297            | 27                | P                 | H            |   |
|  |      | 5466.8            | 64.19            | -4.01             | 68.2                  | 54.78               | 31.77                   | 10.25            | 32.61                | 297            | 27                | P                 | H            |   |
|  |      | 5460              | 42.96            | -11.04            | 54                    | 33.6                | 31.74                   | 10.24            | 32.62                | 297            | 27                | A                 | H            |   |
|  | *    | 5500              | 113.01           | -                 | -                     | 103.39              | 31.9                    | 10.31            | 32.59                | 297            | 27                | P                 | H            |   |
|  | *    | 5500              | 102.41           | -                 | -                     | 92.79               | 31.9                    | 10.31            | 32.59                | 297            | 27                | A                 | H            |   |
|  |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | H |
|  |      |                   | 5456.72          | 53.42             | -20.58                | 74                  | 44.07                   | 31.73            | 10.24                | 32.62          | 273               | 24                | P            | V |
|  |      |                   | 5469.84          | 62.46             | -5.74                 | 68.2                | 53.03                   | 31.78            | 10.26                | 32.61          | 273               | 24                | P            | V |
|  |      |                   | 5460             | 42.91             | -11.09                | 54                  | 33.55                   | 31.74            | 10.24                | 32.62          | 273               | 24                | A            | V |
|  | *    |                   | 5500             | 112.99            | -                     | -                   | 103.37                  | 31.9             | 10.31                | 32.59          | 273               | 24                | P            | V |
|  | *    |                   | 5500             | 102.44            | -                     | -                   | 92.82                   | 31.9             | 10.31                | 32.59          | 273               | 24                | A            | V |
|  |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ax HE20 (Full RU) CH 116 5580MHz |      | 5362              | 50.27            | -23.73            | 74                    | 41.44               | 31.37                   | 10.14            | 32.68                | 289            | 22                | P                 | H            |   |
|  |      | 5469.76           | 50.86            | -17.34            | 68.2                  | 41.43               | 31.78                   | 10.26            | 32.61                | 289            | 22                | P                 | H            |   |
|  |      | 5459.92           | 39.74            | -14.26            | 54                    | 30.38               | 31.74                   | 10.24            | 32.62                | 289            | 22                | A                 | H            |   |
|  | *    | 5580              | 113.2            | -                 | -                     | 103.48              | 31.86                   | 10.43            | 32.57                | 289            | 22                | P                 | H            |   |
|  | *    | 5580              | 102.86           | -                 | -                     | 93.14               | 31.86                   | 10.43            | 32.57                | 289            | 22                | A                 | H            |   |
|  |      |                   | 5759.96          | 51.2              | -17                   | 68.2                | 40.95                   | 32.22            | 10.55                | 32.52          | 289               | 22                | P            | H |
|  |      |                   | 5434.24          | 50.87             | -23.13                | 74                  | 41.63                   | 31.67            | 10.2                 | 32.63          | 279               | 20                | P            | V |
|  |      |                   | 5460.88          | 50.34             | -17.86                | 68.2                | 40.98                   | 31.74            | 10.24                | 32.62          | 279               | 20                | P            | V |
|  |      |                   | 5458.96          | 39.78             | -14.22                | 54                  | 30.42                   | 31.74            | 10.24                | 32.62          | 279               | 20                | A            | V |
|  | *    |                   | 5580             | 114.65            | -                     | -                   | 104.93                  | 31.86            | 10.43                | 32.57          | 279               | 20                | P            | V |
|  | *    |                   | 5580             | 103.93            | -                     | -                   | 94.21                   | 31.86            | 10.43                | 32.57          | 279               | 20                | A            | V |
|  |      |                   | 5735.39          | 50.82             | -17.38                | 68.2                | 40.64                   | 32.17            | 10.53                | 32.52          | 279               | 20                | P            | V |





|   |   |         |        |        |      |        |       |       |       |     |    |   |   |
|---|---|---------|--------|--------|------|--------|-------|-------|-------|-----|----|---|---|
| <b>802.11ax<br/>HE20<br/>(Full RU)<br/>CH 140<br/>5700MHz</b> | *   | 5700    | 107.75 | -      | -    | 97.67  | 32.1  | 10.51 | 32.53 | 274 | 16 | P | H |
|   | *   | 5700    | 97.21  | -      | -    | 87.13  | 32.1  | 10.51 | 32.53 | 274 | 16 | A | H |
|   |   | 5727.16 | 56.83  | -11.37 | 68.2 | 46.68  | 32.15 | 10.53 | 32.53 | 274 | 16 | P | H |
|   |   |         |        |        |      |        |       |       |       |     |    |   | H |
|   |   |         |        |        |      |        |       |       |       |     |    |   | H |
|   |   |         |        |        |      |        |       |       |       |     |    |   | H |
|   | *   | 5700    | 112.1  | -      | -    | 102.02 | 32.1  | 10.51 | 32.53 | 281 | 14 | P | V |
|   | *   | 5700    | 101.37 | -      | -    | 91.29  | 32.1  | 10.51 | 32.53 | 281 | 14 | A | V |
|   |   | 5726.28 | 64.18  | -4.02  | 68.2 | 54.03  | 32.15 | 10.53 | 32.53 | 281 | 14 | 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 802.11ax HE20 (Full RU) (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|--|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax HE20 (Full RU) CH 100 5500MHz |   | 11000             | 45.7             | -28.3             | 74                    | 52.34               | 40                      | 16.76            | 63.4                 | 100            | 0                 | P                 | H            |   |
|  |   | 16500             | 44.87            | -23.33            | 68.2                  | 47.58               | 38.4                    | 21.19            | 62.3                 | 100            | 0                 | P                 | H            |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |   |                   | 11000            | 45.92             | -28.08                | 74                  | 52.56                   | 40               | 16.76                | 63.4           | 100               | 0                 | P            | V |
|  |   |                   | 16500            | 45.29             | -22.91                | 68.2                | 48                      | 38.4             | 21.19                | 62.3           | 100               | 0                 | P            | V |
| 802.11ax HE20 (Full RU) CH 116 5580MHz |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|  |   |                   | 11160            | 46.79             | -27.21                | 74                  | 53.75                   | 39.48            | 16.99                | 63.43          | 100               | 0                 | P            | H |
|  |   |                   | 16740            | 46.04             | -22.16                | 68.2                | 47.31                   | 39.38            | 21.51                | 62.16          | 100               | 0                 | P            | H |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
| 802.11ax HE20 (Full RU) CH 140 5700MHz |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|  |   |                   | 11400            | 46.29             | -27.71                | 74                  | 52.73                   | 39.7             | 16.87                | 63.48          | 100               | 0                 | P            | H |
|  |   |                   | 17100            | 46.98             | -21.22                | 68.2                | 47.19                   | 39.7             | 21.45                | 61.86          | 100               | 0                 | P            | H |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
| 802.11ax HE20 (Full RU) CH 140 5700MHz |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|  |   |                   | 11400            | 45.26             | -28.74                | 74                  | 51.7                    | 39.7             | 17.34                | 63.48          | 100               | 0                 | P            | V |
|  |   |                   | 17100            | 47.49             | -20.71                | 68.2                | 47.7                    | 39.7             | 21.95                | 61.86          | 100               | 0                 | P            | V |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
| <b>Remark</b>                          | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |



Band 3 - 5470~5725MHz

WIFI 802.11ax HE40 (Full RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                          | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|--|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax HE40 (Full RU) CH 102 5510MHz |      | 5459.44           | 59.67            | -14.33            | 74                    | 50.31               | 31.74                   | 10.24            | 32.62                | 261            | 15                | P                 | H            |
|  |      | 5468.8            | 64.78            | -3.42             | 68.2                  | 55.35               | 31.78                   | 10.26            | 32.61                | 261            | 15                | P                 | H            |
|  |      | 5459.68           | 46.36            | -7.64             | 54                    | 37                  | 31.74                   | 10.24            | 32.62                | 261            | 15                | A                 | H            |
|  | *    | 5510              | 108.79           | -                 | -                     | 99.18               | 31.88                   | 10.32            | 32.59                | 261            | 15                | P                 | H            |
|  | *    | 5510              | 98.24            | -                 | -                     | 88.63               | 31.88                   | 10.32            | 32.59                | 261            | 15                | A                 | H            |
|  |      | 5734.76           | 50.58            | -17.62            | 68.2                  | 40.4                | 32.17                   | 10.53            | 32.52                | 261            | 15                | P                 | H            |
|  |      | 5459.44           | 56.35            | -17.65            | 74                    | 46.99               | 31.74                   | 10.24            | 32.62                | 301            | 346               | P                 | V            |
|  |      | 5468.32           | 61.38            | -6.82             | 68.2                  | 51.96               | 31.77                   | 10.26            | 32.61                | 301            | 346               | P                 | V            |
|  |      | 5459.92           | 44.33            | -9.67             | 54                    | 34.97               | 31.74                   | 10.24            | 32.62                | 301            | 346               | A                 | V            |
|  | *    | 5510              | 106.78           | -                 | -                     | 97.17               | 31.88                   | 10.32            | 32.59                | 301            | 346               | P                 | V            |
|  | *    | 5510              | 96.95            | -                 | -                     | 87.34               | 31.88                   | 10.32            | 32.59                | 301            | 346               | A                 | V            |
|  |      | 5746.1            | 51.2             | -17               | 68.2                  | 40.99               | 32.19                   | 10.54            | 32.52                | 301            | 346               | P                 | V            |
| 802.11ax HE40 (Full RU) CH 110 5550MHz |      | 5455.12           | 61.65            | -12.35            | 74                    | 52.31               | 31.72                   | 10.24            | 32.62                | 273            | 20                | P                 | H            |
|  |      | 5467.84           | 64.25            | -3.95             | 68.2                  | 54.83               | 31.77                   | 10.26            | 32.61                | 273            | 20                | P                 | H            |
|  |      | 5459.92           | 49.41            | -4.59             | 54                    | 40.05               | 31.74                   | 10.24            | 32.62                | 273            | 20                | A                 | H            |
|  | *    | 5550              | 113.37           | -                 | -                     | 103.77              | 31.8                    | 10.38            | 32.58                | 273            | 20                | P                 | H            |
|  | *    | 5550              | 102.53           | -                 | -                     | 92.93               | 31.8                    | 10.38            | 32.58                | 273            | 20                | A                 | H            |
|  |      | 5763.74           | 51.11            | -17.09            | 68.2                  | 40.85               | 32.23                   | 10.55            | 32.52                | 273            | 20                | P                 | H            |
|  |      | 5458              | 55.77            | -18.23            | 74                    | 46.42               | 31.73                   | 10.24            | 32.62                | 201            | 13                | P                 | V            |
|  |      | 5470              | 57.2             | -11               | 68.2                  | 47.77               | 31.78                   | 10.26            | 32.61                | 201            | 13                | P                 | V            |
|  |      | 5459.92           | 46.15            | -7.85             | 54                    | 36.79               | 31.74                   | 10.24            | 32.62                | 201            | 13                | A                 | V            |
|  | *    | 5550              | 111.6            | -                 | -                     | 102                 | 31.8                    | 10.38            | 32.58                | 201            | 13                | P                 | V            |
|  | *    | 5550              | 101.27           | -                 | -                     | 91.67               | 31.8                    | 10.38            | 32.58                | 201            | 13                | A                 | V            |
|  |      | 5734.76           | 51.23            | -16.97            | 68.2                  | 41.05               | 32.17                   | 10.53            | 32.52                | 201            | 13                | P                 | V            |



|   |   |          |        |        |      |       |       |       |       |     |    |   |   |
|---|---|----------|--------|--------|------|-------|-------|-------|-------|-----|----|---|---|
| <b>802.11ax</b><br><b>HE40</b><br><b>(Full RU)</b><br><b>CH 134</b><br><b>5670MHz</b> |   | 5451.15  | 49.28  | -24.72 | 74   | 39.97 | 31.7  | 10.23 | 32.62 | 258 | 28 | P | H |
|   |   | 5464.45  | 48.88  | -19.32 | 68.2 | 39.48 | 31.76 | 10.25 | 32.61 | 258 | 28 | P | H |
|   |   | 5458.15  | 39.68  | -14.32 | 54   | 30.33 | 31.73 | 10.24 | 32.62 | 258 | 28 | A | H |
|   | *   | 5670     | 106.75 | -      | -    | 96.87 | 31.92 | 10.5  | 32.54 | 258 | 28 | P | H |
|   | *   | 5670     | 96.82  | -      | -    | 86.94 | 31.92 | 10.5  | 32.54 | 258 | 28 | A | H |
|   |   | 5725.275 | 62.72  | -5.48  | 68.2 | 52.57 | 32.15 | 10.53 | 32.53 | 258 | 28 | P | H |
|   |   | 5440.3   | 49.11  | -24.89 | 74   | 39.85 | 31.68 | 10.21 | 32.63 | 272 | 30 | P | V |
|   |   | 5467.6   | 49.04  | -19.16 | 68.2 | 39.63 | 31.77 | 10.25 | 32.61 | 272 | 30 | P | V |
|   |   | 5458.85  | 39.65  | -14.35 | 54   | 30.29 | 31.74 | 10.24 | 32.62 | 272 | 30 | A | V |
|   | *   | 5670     | 108.26 | -      | -    | 98.38 | 31.92 | 10.5  | 32.54 | 272 | 30 | P | V |
|   | *   | 5670     | 98.41  | -      | -    | 88.53 | 31.92 | 10.5  | 32.54 | 272 | 30 | A | V |
|   |   | 5725.1   | 64.18  | -4.02  | 68.2 | 54.03 | 32.15 | 10.53 | 32.53 | 272 | 30 | 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 802.11ax HE80 (Full RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                          | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|--|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE80 (Full RU) CH 106 5530MHz |   | 5458.24           | 62.29            | -11.71            | 74                    | 52.94             | 31.73                   | 10.24            | 32.62                | 216            | 9                 | P               | H          |
|  |   | 5461.12           | 62.58            | -5.62             | 68.2                  | 53.21             | 31.74                   | 10.24            | 32.61                | 216            | 9                 | P               | H          |
|  |   | 5459.92           | 48.51            | -5.49             | 54                    | 39.15             | 31.74                   | 10.24            | 32.62                | 216            | 9                 | A               | H          |
|  | *   | 5530              | 99.84            | -                 | -                     | 90.23             | 31.84                   | 10.35            | 32.58                | 216            | 9                 | P               | H          |
|  | *   | 5530              | 92.28            | -                 | -                     | 82.67             | 31.84                   | 10.35            | 32.58                | 216            | 9                 | A               | H          |
|  |   | 5740.745          | 51.72            | -16.48            | 68.2                  | 41.52             | 32.18                   | 10.54            | 32.52                | 216            | 9                 | P               | H          |
|  |   | 5456.8            | 60.32            | -13.68            | 74                    | 50.97             | 31.73                   | 10.24            | 32.62                | 354            | 355               | P               | V          |
|  |   | 5469.28           | 62.19            | -6.01             | 68.2                  | 52.76             | 31.78                   | 10.26            | 32.61                | 354            | 355               | P               | V          |
|  |   | 5459.68           | 49.12            | -4.88             | 54                    | 39.76             | 31.74                   | 10.24            | 32.62                | 354            | 355               | A               | V          |
|  | *   | 5530              | 101.05           | -                 | -                     | 91.44             | 31.84                   | 10.35            | 32.58                | 354            | 355               | P               | V          |
|  | *   | 5530              | 92.18            | -                 | -                     | 82.57             | 31.84                   | 10.35            | 32.58                | 354            | 355               | A               | V          |
|  |   |                   | 5727.2           | 51.75             | -16.45                | 68.2              | 41.6                    | 32.15            | 10.53                | 32.53          | 354               | 355             | P          |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



Band 3 5470~5725MHz

WIFI 802.11ax HE80 (Full RU) (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|--|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE80 (Full RU) CH 106 5530MHz |   | 11060             | 47.38            | -26.62            | 74                    | 54.18             | 39.76                   | 16.85            | 63.41                | 100            | 0                 | P               | H          |   |
|  |   | 16900             | 47.46            | -20.74            | 68.2                  | 47.9              | 39.9                    | 21.72            | 62.06                | 100            | 0                 | P               | H          |   |
|  |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|  |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|  |   |                   | 11060            | 47.1              | -26.9                 | 74                | 53.9                    | 39.76            | 16.85                | 63.41          | 100               | 0               | P          | V |
|  |   |                   | 16900            | 48.07             | -20.13                | 68.2              | 48.51                   | 39.9             | 21.72                | 62.06          | 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 802.11ax HE40 (Full RU) (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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|--|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax HE40 (Full RU) CH 102 5510MHz |  | 11020             | 46.4             | -27.6             | 74                    | 53.09               | 39.92                   | 16.79            | 63.4                 | 100            | 0                 | P                 | H            |   |
|  |  | 16530             | 45.75            | -22.45            | 68.2                  | 48.28               | 38.52                   | 21.23            | 62.28                | 100            | 0                 | P                 | H            |   |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |  |                   | 11020            | 45.86             | -28.14                | 74                  | 52.55                   | 39.92            | 16.79                | 63.4           | 100               | 0                 | P            | V |
|  |  |                   | 16530            | 45.32             | -22.88                | 68.2                | 47.85                   | 38.52            | 21.23                | 62.28          | 100               | 0                 | P            | V |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ax HE40 (Full RU) CH 110 5550MHz |  | 11100             | 45.5             | -28.5             | 74                    | 52.41               | 39.6                    | 16.91            | 63.42                | 100            | 0                 | P                 | H            |   |
|  |  | 16650             | 45.13            | -23.07            | 68.2                  | 47                  | 38.95                   | 21.39            | 62.21                | 100            | 0                 | P                 | H            |   |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |  |                   | 11100            | 45.34             | -28.66                | 74                  | 52.25                   | 39.6             | 16.91                | 63.42          | 100               | 0                 | P            | V |
|  |  |                   | 16650            | 45.4              | -22.8                 | 68.2                | 47.27                   | 38.95            | 21.39                | 62.21          | 100               | 0                 | P            | V |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ax HE40 (Full RU) CH 134 5670MHz |  | 11340             | 46.78            | -27.22            | 74                    | 53.47               | 39.52                   | 17.26            | 63.47                | 100            | 0                 | P                 | H            |   |
|  |  | 17010             | 48.56            | -19.64            | 68.2                  | 48.98               | 39.7                    | 21.87            | 61.99                | 100            | 0                 | P                 | H            |   |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |  |                   | 11340            | 46.47             | -27.53                | 74                  | 53.16                   | 39.52            | 17.26                | 63.47          | 100               | 0                 | P            | V |
|  |  |                   | 17010            | 48.2              | -20                   | 68.2                | 48.62                   | 39.7             | 21.87                | 61.99          | 100               | 0                 | P            | V |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| Remark                                 | 1. No other spurious found.                                  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |
|  | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |



Band 3 - 5470~5725MHz

WIFI 802.11ax HE20 (Partial 26 ORU) (Band Edge @ 3m)

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE20 CH 100 5500MHz |   | 5445.36           | 49.45            | -24.55            | 74                    | 40.16             | 31.69                   | 10.22            | 32.62                | 275            | 25                | P               | H          |   |
|                              |   | 5464.4            | 49.01            | -19.19            | 68.2                  | 39.61             | 31.76                   | 10.25            | 32.61                | 275            | 25                | P               | H          |   |
|                              |   | 5459.92           | 40.01            | -13.99            | 54                    | 30.65             | 31.74                   | 10.24            | 32.62                | 275            | 25                | A               | H          |   |
|                              | *   | 5500              | 110.59           | -                 | -                     | 100.97            | 31.9                    | 10.31            | 32.59                | 275            | 25                | P               | H          |   |
|                              | *   | 5500              | 104.22           | -                 | -                     | 94.6              | 31.9                    | 10.31            | 32.59                | 275            | 25                | A               | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | H |
|                              |   |                   | 5415.44          | 50.88             | -23.12                | 74                | 41.72                   | 31.63            | 10.17                | 32.64          | 220               | 20              | P          | V |
|                              |   |                   | 5462.8           | 49.61             | -18.59                | 68.2              | 40.22                   | 31.75            | 10.25                | 32.61          | 220               | 20              | P          | V |
|                              |   |                   | 5458.8           | 39.79             | -14.21                | 54                | 30.43                   | 31.74            | 10.24                | 32.62          | 220               | 20              | A          | V |
|                              | *   |                   | 5500             | 107               | -                     | -                 | 97.38                   | 31.9             | 10.31                | 32.59          | 220               | 20              | P          | V |
|                              | *   |                   | 5500             | 102.23            | -                     | -                 | 92.61                   | 31.9             | 10.31                | 32.59          | 220               | 20              | A          | 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 802.11ax HE20 (Partial 26 8RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE20 CH 140 5700MHz | *   | 5700              | 112.01           | -                 | -                     | 101.93            | 32.1                    | 10.51            | 32.53                | 240            | 11                | P               | H          |
|                              | *   | 5700              | 105.35           | -                 | -                     | 95.27             | 32.1                    | 10.51            | 32.53                | 240            | 11                | A               | H          |
|                              |   | 5726.28           | 62.02            | -6.18             | 68.2                  | 51.87             | 32.15                   | 10.53            | 32.53                | 240            | 11                | P               | H          |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                              | *   | 5700              | 115.5            | -                 | -                     | 105.42            | 32.1                    | 10.51            | 32.53                | 257            | 18                | P               | V          |
|                              | *   | 5700              | 108.51           | -                 | -                     | 98.43             | 32.1                    | 10.51            | 32.53                | 257            | 18                | A               | V          |
|                              |   | 5726.12           | 64.62            | -3.58             | 68.2                  | 54.47             | 32.15                   | 10.53            | 32.53                | 257            | 18                | 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 802.11ax HE20 (Partial 52 37RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE20 CH 100 5500MHz |   | 5456.88           | 50.37            | -23.63            | 74                    | 41.02             | 31.73                   | 10.24            | 32.62                | 271            | 21                | P               | H          |   |
|                              |   | 5465.36           | 49.7             | -18.5             | 68.2                  | 40.3              | 31.76                   | 10.25            | 32.61                | 271            | 21                | P               | H          |   |
|                              |   | 5458.32           | 39.64            | -14.36            | 54                    | 30.29             | 31.73                   | 10.24            | 32.62                | 271            | 21                | A               | H          |   |
|                              | *   | 5500              | 112.49           | -                 | -                     | 102.87            | 31.9                    | 10.31            | 32.59                | 271            | 21                | P               | H          |   |
|                              | *   | 5500              | 103.63           | -                 | -                     | 94.01             | 31.9                    | 10.31            | 32.59                | 271            | 21                | A               | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | H |
|                              |   |                   | 5435.44          | 50.05             | -23.95                | 74                | 40.81                   | 31.67            | 10.2                 | 32.63          | 273               | 23              | P          | V |
|                              |   |                   | 5468.72          | 50.41             | -17.79                | 68.2              | 40.99                   | 31.77            | 10.26                | 32.61          | 273               | 23              | P          | V |
|                              |   |                   | 5459.92          | 39.52             | -14.48                | 54                | 30.16                   | 31.74            | 10.24                | 32.62          | 273               | 23              | A          | V |
|                              | *   |                   | 5500             | 111.35            | -                     | -                 | 101.73                  | 31.9             | 10.31                | 32.59          | 273               | 23              | P          | V |
|                              | *   |                   | 5500             | 101.97            | -                     | -                 | 92.35                   | 31.9             | 10.31                | 32.59          | 273               | 23              | A          | V |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| <b>Remark</b>                | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



Band 3 - 5470~5725MHz

WIFI 802.11ax HE20 (Partial 52 40RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE20 CH 140 5700MHz | *   | 5700              | 110.22           | -                 | -                     | 100.14            | 32.1                    | 10.51            | 32.53                | 238            | 12                | P               | H          |
|                              | *   | 5700              | 102.01           | -                 | -                     | 91.93             | 32.1                    | 10.51            | 32.53                | 238            | 12                | A               | H          |
|                              |   | 5725.4            | 59.72            | -8.48             | 68.2                  | 49.57             | 32.15                   | 10.53            | 32.53                | 238            | 12                | P               | H          |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                              | *   | 5700              | 114.29           | -                 | -                     | 104.21            | 32.1                    | 10.51            | 32.53                | 283            | 19                | P               | V          |
|                              | *   | 5700              | 106.06           | -                 | -                     | 95.98             | 32.1                    | 10.51            | 32.53                | 283            | 19                | A               | V          |
|                              |   | 5725.4            | 64.61            | -3.59             | 68.2                  | 54.46             | 32.15                   | 10.53            | 32.53                | 283            | 19                | P               | V          |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   | V               |            |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   | V               |            |
| <b>Remark</b>                | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11ax HE20 (Partial 106 53RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE20 CH 100 5500MHz |   | 5454.96           | 50.23            | -23.77            | 74                    | 40.89             | 31.72                   | 10.24            | 32.62                | 251            | 17                | P               | H          |   |
|                              |   | 5466.8            | 50.68            | -17.52            | 68.2                  | 41.27             | 31.77                   | 10.25            | 32.61                | 251            | 17                | P               | H          |   |
|                              |   | 5458.96           | 39.64            | -14.36            | 54                    | 30.28             | 31.74                   | 10.24            | 32.62                | 251            | 17                | A               | H          |   |
|                              | *   | 5500              | 112.06           | -                 | -                     | 102.44            | 31.9                    | 10.31            | 32.59                | 251            | 17                | P               | H          |   |
|                              | *   | 5500              | 102.88           | -                 | -                     | 93.26             | 31.9                    | 10.31            | 32.59                | 251            | 17                | A               | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | H |
|                              |   |                   | 5455.28          | 50.56             | -23.44                | 74                | 41.22                   | 31.72            | 10.24                | 32.62          | 302               | 346             | P          | V |
|                              |   |                   | 5465.84          | 50.3              | -17.9                 | 68.2              | 40.9                    | 31.76            | 10.25                | 32.61          | 302               | 346             | P          | V |
|                              |   |                   | 5460             | 39.51             | -14.49                | 54                | 30.15                   | 31.74            | 10.24                | 32.62          | 302               | 346             | A          | V |
|                              | *   |                   | 5500             | 110.64            | -                     | -                 | 101.02                  | 31.9             | 10.31                | 32.59          | 302               | 346             | P          | V |
|                              | *   |                   | 5500             | 101.75            | -                     | -                 | 92.13                   | 31.9             | 10.31                | 32.59          | 302               | 346             | A          | V |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            | V |
| Remark                       | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



Band 3 - 5470~5725MHz

WIFI 802.11ax HE20 (Partial 106 54RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE20 CH 140 5700MHz | *   | 5700              | 110.98           | -                 | -                     | 100.9             | 32.1                    | 10.51            | 32.53                | 258            | 354               | P               | H          |   |
|                              | *   | 5700              | 102.56           | -                 | -                     | 92.48             | 32.1                    | 10.51            | 32.53                | 258            | 354               | A               | H          |   |
|                              |   | 5725.4            | 60.59            | -7.61             | 68.2                  | 50.44             | 32.15                   | 10.53            | 32.53                | 258            | 354               | P               | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|                              | *   | 5700              | 114.26           | -                 | -                     | 104.18            | 32.1                    | 10.51            | 32.53                | 300            | 21                | P               | V          |   |
|                              | *   | 5700              | 104.9            | -                 | -                     | 94.82             | 32.1                    | 10.51            | 32.53                | 300            | 21                | A               | V          |   |
|                              |   |                   | 5725.48          | 64.6              | -3.6                  | 68.2              | 54.45                   | 32.15            | 10.53                | 32.53          | 300               | 21              | P          | V |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | V          |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   | V               |            |   |
|                              |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   | V               |            |   |
| <b>Remark</b>                | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |



Band 3 - 5470~5725MHz

WIFI 802.11ax HE40 (Partial 242 61RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE40 CH 102 5510MHz |   | 5454.4            | 56.85            | -17.15            | 74                    | 47.52               | 31.72                   | 10.23            | 32.62                | 283            | 24                | P               | H          |
|                              |   | 5470              | 63.5             | -4.7              | 68.2                  | 54.07               | 31.78                   | 10.26            | 32.61                | 283            | 24                | P               | H          |
|                              |   | 5459.92           | 40.74            | -13.26            | 54                    | 31.38               | 31.74                   | 10.24            | 32.62                | 283            | 24                | A               | H          |
|                              | *   | 5510              | 111.09           | -                 | -                     | 101.48              | 31.88                   | 10.32            | 32.59                | 283            | 24                | P               | H          |
|                              | *   | 5510              | 101.55           | -                 | -                     | 91.94               | 31.88                   | 10.32            | 32.59                | 283            | 24                | A               | H          |
|                              |   | 5748.935          | 51.67            | -16.53            | 68.2                  | 41.45               | 32.2                    | 10.54            | 32.52                | 283            | 24                | P               | H          |
|                              |   | 5451.52           | 51.96            | -22.04            | 74                    | 42.64               | 31.71                   | 10.23            | 32.62                | 288            | 24                | P               | V          |
|                              |   | 5469.52           | 57.91            | -10.29            | 68.2                  | 48.48               | 31.78                   | 10.26            | 32.61                | 288            | 24                | P               | V          |
|                              |   | 5459.92           | 40.04            | -13.96            | 54                    | 30.68               | 31.74                   | 10.24            | 32.62                | 288            | 24                | A               | V          |
|                              | *   | 5510              | 109.28           | -                 | -                     | 99.67               | 31.88                   | 10.32            | 32.59                | 288            | 24                | P               | V          |
|                              | *   | 5510              | 99.74            | -                 | -                     | 90.13               | 31.88                   | 10.32            | 32.59                | 288            | 24                | A               | V          |
|                              |   |                   | 5752.085         | 51.02             | -17.18                | 68.2                | 40.8                    | 32.2             | 10.54                | 32.52          | 288               | 24              | P          |
| Remark                       | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11ax HE40 (Partial 242 62RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE40 CH 134 5670MHz |   | 5419.3            | 50.57            | -23.43            | 74                    | 41.39               | 31.64                   | 10.18            | 32.64                | 280            | 20                | P               | H          |
|                              |   | 5469.7            | 50.22            | -17.98            | 68.2                  | 40.79               | 31.78                   | 10.26            | 32.61                | 280            | 20                | P               | H          |
|                              |   | 5459.9            | 39.5             | -14.5             | 54                    | 30.14               | 31.74                   | 10.24            | 32.62                | 280            | 20                | A               | H          |
|                              | *   | 5670              | 112              | -                 | -                     | 102.12              | 31.92                   | 10.5             | 32.54                | 280            | 20                | P               | H          |
|                              | *   | 5670              | 102.07           | -                 | -                     | 92.19               | 31.92                   | 10.5             | 32.54                | 280            | 20                | A               | H          |
|                              |   | 5726.5            | 64.81            | -3.39             | 68.2                  | 54.66               | 32.15                   | 10.53            | 32.53                | 280            | 20                | P               | H          |
|                              |   | 5435.4            | 50.15            | -23.85            | 74                    | 40.91               | 31.67                   | 10.2             | 32.63                | 272            | 21                | P               | V          |
|                              |   | 5462              | 50.17            | -18.03            | 68.2                  | 40.78               | 31.75                   | 10.25            | 32.61                | 272            | 21                | P               | V          |
|                              |   | 5458.85           | 39.5             | -14.5             | 54                    | 30.14               | 31.74                   | 10.24            | 32.62                | 272            | 21                | A               | V          |
|                              | *   | 5670              | 113.44           | -                 | -                     | 103.56              | 31.92                   | 10.5             | 32.54                | 272            | 21                | P               | V          |
|                              | *   | 5670              | 103.77           | -                 | -                     | 93.89               | 31.92                   | 10.5             | 32.54                | 272            | 21                | A               | V          |
|                              |   | 5725.275          | 64.77            | -3.43             | 68.2                  | 54.62               | 32.15                   | 10.53            | 32.53                | 272            | 21                | 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 802.11ax HE80 (Partial 484 65RU) (Band Edge @ 3m)

| WIFI Ant. 1+2                | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax HE80 CH 106 5530MHz |   | 5459.44           | 56.31            | -17.69            | 74                    | 46.95               | 31.74                   | 10.24            | 32.62                | 263            | 24                | P                 | H            |
|                              |   | 5469.76           | 63.18            | -5.02             | 68.2                  | 53.75               | 31.78                   | 10.26            | 32.61                | 263            | 24                | P                 | H            |
|                              |   | 5459.92           | 44.56            | -9.44             | 54                    | 35.2                | 31.74                   | 10.24            | 32.62                | 263            | 24                | A                 | H            |
|                              | *   | 5530              | 108.12           | -                 | -                     | 98.51               | 31.84                   | 10.35            | 32.58                | 263            | 24                | P                 | H            |
|                              | *   | 5530              | 97.83            | -                 | -                     | 88.22               | 31.84                   | 10.35            | 32.58                | 263            | 24                | A                 | H            |
|                              |   | 5725              | 50.68            | -17.52            | 68.2                  | 40.53               | 32.15                   | 10.53            | 32.53                | 263            | 24                | P                 | H            |
|                              |   | 5452.24           | 52.43            | -21.57            | 74                    | 43.11               | 31.71                   | 10.23            | 32.62                | 257            | 344               | P                 | V            |
|                              |   | 5469.76           | 56.87            | -11.33            | 68.2                  | 47.44               | 31.78                   | 10.26            | 32.61                | 257            | 344               | P                 | V            |
|                              |   | 5459.92           | 41.12            | -12.88            | 54                    | 31.76               | 31.74                   | 10.24            | 32.62                | 257            | 344               | A                 | V            |
|                              | *   | 5530              | 107.09           | -                 | -                     | 97.48               | 31.84                   | 10.35            | 32.58                | 257            | 344               | P                 | V            |
|                              | *   | 5530              | 97.32            | -                 | -                     | 87.71               | 31.84                   | 10.35            | 32.58                | 257            | 344               | A                 | V            |
|                              |   | 5759.96           | 50.92            | -17.28            | 68.2                  | 40.67               | 32.22                   | 10.55            | 32.52                | 257            | 344               | P                 | V            |
| 802.11ax HE80 CH 122 5610MHz |   | 5451.85           | 59.19            | -14.81            | 74                    | 49.87               | 31.71                   | 10.23            | 32.62                | 274            | 19                | P                 | H            |
|                              |   | 5467.25           | 62.02            | -6.18             | 68.2                  | 52.61               | 31.77                   | 10.25            | 32.61                | 274            | 19                | P                 | H            |
|                              |   | 5459.9            | 48.71            | -5.29             | 54                    | 39.35               | 31.74                   | 10.24            | 32.62                | 274            | 19                | A                 | H            |
|                              | *   | 5610              | 105.56           | -                 | -                     | 95.77               | 31.88                   | 10.47            | 32.56                | 274            | 19                | P                 | H            |
|                              | *   | 5610              | 95.27            | -                 | -                     | 85.48               | 31.88                   | 10.47            | 32.56                | 274            | 19                | A                 | H            |
|                              |   | 5726.675          | 57.36            | -10.84            | 68.2                  | 47.21               | 32.15                   | 10.53            | 32.53                | 274            | 19                | P                 | H            |
|                              |   | 5459.2            | 56.19            | -17.81            | 74                    | 46.83               | 31.74                   | 10.24            | 32.62                | 378            | 342               | P                 | V            |
|                              |   | 5465.15           | 57.41            | -10.79            | 68.2                  | 48.01               | 31.76                   | 10.25            | 32.61                | 378            | 342               | P                 | V            |
|                              |   | 5459.9            | 45.93            | -8.07             | 54                    | 36.57               | 31.74                   | 10.24            | 32.62                | 378            | 342               | A                 | V            |
|                              | *   | 5610              | 106.81           | -                 | -                     | 97.02               | 31.88                   | 10.47            | 32.56                | 378            | 342               | P                 | V            |
|                              | *   | 5610              | 96.35            | -                 | -                     | 86.56               | 31.88                   | 10.47            | 32.56                | 378            | 342               | A                 | V            |
|                              |   | 5729.825          | 61.53            | -6.67             | 68.2                  | 51.37               | 32.16                   | 10.53            | 32.53                | 378            | 342               | 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 802.11ax HE80 (Partial 484 65RU) (Harmonic @ 3m)

| WIFI Ant. 1                            | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|--|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |   | 11220             | 45.56            | -28.44            | 74                    | 52.52             | 39.4                    | 17.08            | 63.44                | 100            | 0                 | P               | H          |   |
|  |   | 16830             | 45.44            | -22.76            | 68.2                  | 46.08             | 39.83                   | 21.63            | 62.1                 | 100            | 0                 | P               | H          |   |
|  |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|  |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|  |   |                   | 11220            | 45.28             | -28.72                | 74                | 52.24                   | 39.4             | 17.08                | 63.44          | 100               | 0               | P          | V |
|  |   |                   | 16830            | 45.4              | -22.8                 | 68.2              | 46.04                   | 39.83            | 21.63                | 62.1           | 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 802.11ax HE20 (Full RU) (LF @ 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 ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|-------------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax<br>HE20<br>(full RU)<br>LF |  | 30.97             | 22.77            | -17.23            | 40                    | 29.6                | 24.81                   | 0.78             | 32.42                | -              | -                 | P                 | H            |   |
|                                     |  | 62.01             | 22.75            | -17.25            | 40                    | 42.46               | 11.7                    | 1.09             | 32.5                 | -              | -                 | P                 | H            |   |
|                                     |  | 72.68             | 20.8             | -19.2             | 40                    | 39.46               | 12.63                   | 1.18             | 32.47                | -              | -                 | P                 | H            |   |
|                                     |  | 859.35            | 31.65            | -14.35            | 46                    | 30.32               | 29.11                   | 4.12             | 31.9                 | -              | -                 | P                 | H            |   |
|                                     |  | 892.33            | 31.94            | -14.06            | 46                    | 30.66               | 28.85                   | 4.19             | 31.76                | -              | -                 | P                 | H            |   |
|                                     |  | 941.8             | 33.29            | -12.71            | 46                    | 29.74               | 30.41                   | 4.32             | 31.18                | 100            | 0                 | P                 | H            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                                     |  |                   | 30.97            | 27.12             | -12.88                | 40                  | 33.95                   | 24.81            | 0.78                 | 32.42          | -                 | -                 | P            | V |
|                                     |  |                   | 40.67            | 26.57             | -13.43                | 40                  | 38.79                   | 19.4             | 0.86                 | 32.48          | -                 | -                 | P            | V |
|                                     |  |                   | 66.86            | 27.42             | -12.58                | 40                  | 46.73                   | 12.06            | 1.12                 | 32.49          | 100               | 0                 | P            | V |
|                                     |  |                   | 770.11           | 30.32             | -15.68                | 46                  | 30.1                    | 28.4             | 3.89                 | 32.07          | -                 | -                 | P            | V |
|                                     |  |                   | 855.47           | 33.03             | -12.97                | 46                  | 31.65                   | 29.19            | 4.11                 | 31.92          | -                 | -                 | P            | V |
|                                     |  | 893.3             | 32.49            | -13.51            | 46                    | 31.23               | 28.83                   | 4.19             | 31.76                | -              | -                 | P                 | V            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|                                     |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
| <b>Remark</b>                       | 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+2     |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11b |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 2412MHz |      | 2390      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

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”.**



<WPC Mode>

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 ) |
| 802.11ac<br>VHT20<br>CH 140<br>5700MHz | *    | 5700      | 110.42     | -          | -          | 100.34     | 32.1           | 10.51     | 32.53         | 181     | 306       | P         | H       |
|  | *    | 5700      | 102.29     | -          | -          | 92.21      | 32.1           | 10.51     | 32.53         | 181     | 306       | A         | H       |
|  |      | 5725.88   | 62.25      | -5.95      | 68.2       | 52.1       | 32.15          | 10.53     | 32.53         | 181     | 306       | P         | H       |
|  |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|  |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|  |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|  | *    | 5700      | 107.32     | -          | -          | 97.24      | 32.1           | 10.51     | 32.53         | 117     | 311       | P         | V       |
|  | *    | 5700      | 99.03      | -          | -          | 88.95      | 32.1           | 10.51     | 32.53         | 117     | 311       | A         | V       |
|  |      | 5725.88   | 58.64      | -9.56      | 68.2       | 48.49      | 32.15          | 10.53     | 32.53         | 117     | 311       | P         | V       |
|  |      |           |            |            |            |            |                |           |               |         |           |           | V       |

**Remark**

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



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

| WIFI Ant. 1                            | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|--|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ac<br>VHT20<br>CH 140<br>5700MHz |   | 11400             | 45.76            | -28.24            | 74                    | 52.2              | 39.7                    | 17.34            | 63.48                | 100            | 0                 | P               | H          |   |
|  |   | 17100             | 46.56            | -21.64            | 68.2                  | 46.77             | 39.7                    | 21.95            | 61.86                | 100            | 0                 | P               | H          |   |
|  |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|  |   |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |   |
|  |   |                   | 11400            | 44.31             | -29.69                | 74                | 50.75                   | 39.7             | 17.34                | 63.48          | 100               | 0               | P          | V |
|  |   |                   | 17100            | 45.92             | -22.28                | 68.2              | 46.13                   | 39.7             | 21.95                | 61.86          | 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. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |   |





## Appendix D. Radiated Spurious Emission

|                 |                                    |                     |             |
|-----------------|------------------------------------|---------------------|-------------|
| Test Engineer : | Jimmy Chung · Karl Hou · Wilson Wu | Temperature :       | 21.5~23.5°C |
|                 |                                    | Relative Humidity : | 49.5~55.5%  |

### Note symbol

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





<CDD Mode>

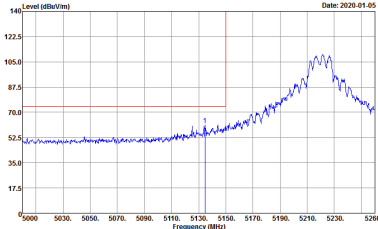
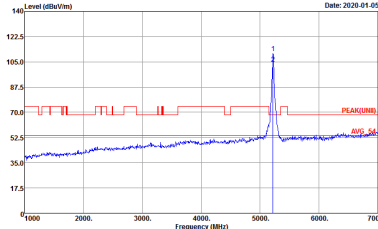
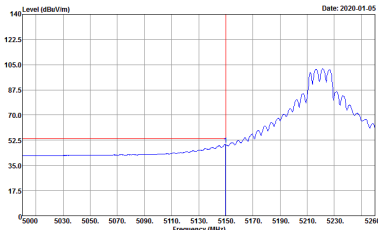
Band 1 - 5150~5250MHz  
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11a CH36 5180MHz  |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak | <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Mode : 1<br/>Setting : 19.5</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Mode : 1<br/>Setting : 19.5</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Mode : 1<br/>Setting : 19.5</p>  | Left blank  |

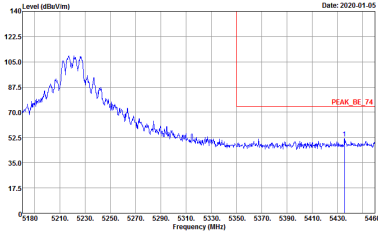
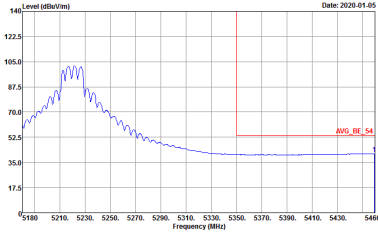


| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m   |  |
|-------------|--|--|
| ANT         | 802.11a CH36 5180MHz   |  |
| 1+2         | Vertical   | Fundamental  |
| <b>Peak</b> | <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 1<br/>           Setting : 19.5</p> | <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 1<br/>           Setting : 19.5</p> |
| <b>Avg.</b> | <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 1<br/>           Setting : 19.5</p>  | <b>Left blank</b>  |



| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|--------------------|---|---|
| ANT                | 802.11a CH44 5220MHz - L  |   |
| 1+2                | Horizontal  | Fundamental   |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left blank</p>   |

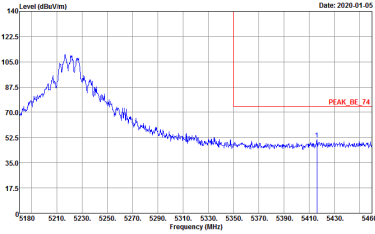
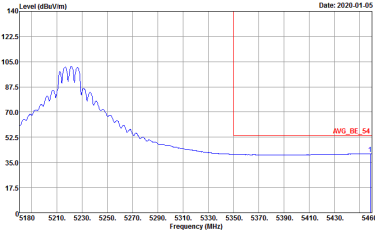


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11a CH44 5220MHz - R  |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left blank</p> |

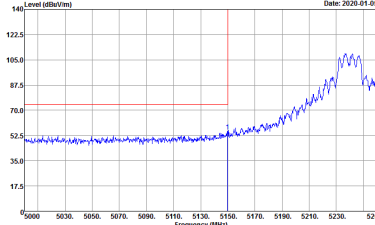
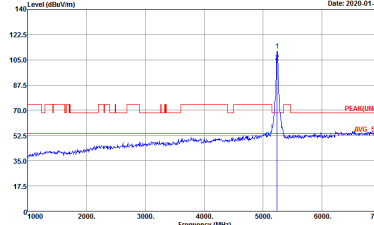
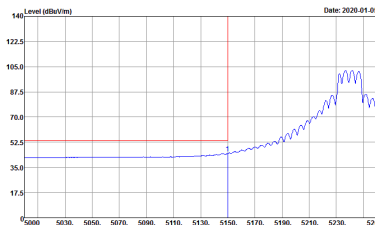


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m   |  |
|------|--|--|
| ANT  | 802.11a CH44 5220MHz - L   |  |
| 1+2  | Vertical   | Fundamental  |
| Peak | <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. | <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>  | Left blank   |

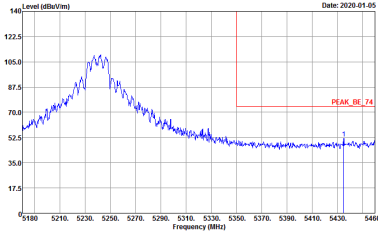
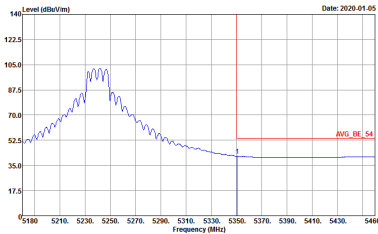


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m   |                   |
|--------------------|--|-------------------|
| ANT                | 802.11a CH44 5220MHz - R   |                   |
| 1+2                | Vertical   | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000kHz VBW:0.0100kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>  | <p>Left blank</p> |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m  |  |
|------|---|--|
| ANT  | 802.11a CH48 5240MHz - L  |  |
| 1+2  | Horizontal  | Fundamental  |
| Peak |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNI) 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | Left blank   |



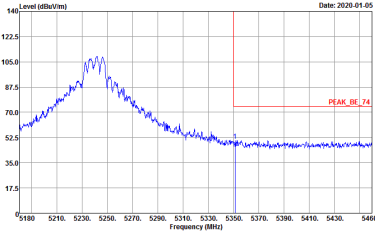
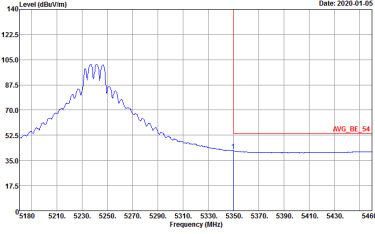
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m   |                   |
|--------------------|--|-------------------|
| ANT                | 802.11a CH48 5240MHz - R   |                   |
| 1+2                | Horizontal   | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:0.0100kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>  | <p>Left blank</p> |





| WIFI | Band 1 5150~5250MHz Band Edge @ 3m   |   |
|------|--|---|
| ANT  | 802.11a CH48 5240MHz - L   |   |
| 1+2  | Vertical   | Fundamental   |
| Peak | <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNI) 3m HORN_91200_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. | <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:0.0100KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>    | Left blank  |



| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m   |                   |
|--------------------|--|-------------------|
| ANT                | 802.11a CH48 5240MHz - R   |                   |
| 1+2                | Vertical   | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000kHz VBW:0.0100kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>  | <p>Left blank</p> |



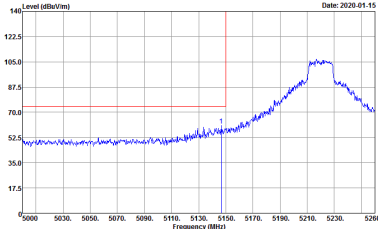
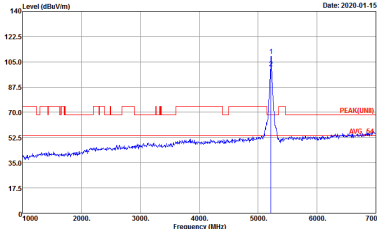
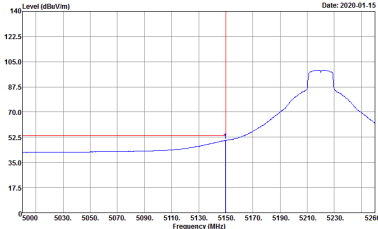
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m   |  |
|-------------|--|--|
| ANT         | 802.11ac VHT20 CH36 5180MHz  |  |
| 1+2         | Horizontal   | Fundamental  |
| <b>Peak</b> | <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 4<br/>           Setting : 19.5</p> | <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>           : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 4<br/>           Setting : 19.5</p> |
| <b>Avg.</b> | <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           : RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 4<br/>           Setting : 19.5</p>     | <p>Left blank</p>  |

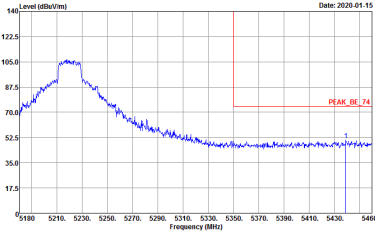
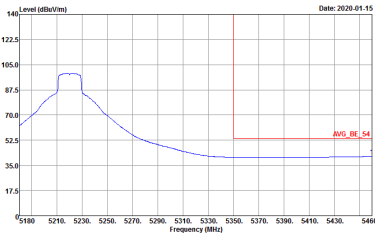


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m   |  |
|--------------------|--|--|
| ANT                | 802.11ac VHT20 CH36 5180MHz  |  |
| 1+2                | Vertical   | Fundamental  |
| <p><b>Peak</b></p> | <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 4<br/>           Setting : 19.5</p> | <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 4<br/>           Setting : 19.5</p> |
| <p><b>Avg.</b></p> | <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:0.0100KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 4<br/>           Setting : 19.5</p>    | <p><b>Left blank</b></p>   |

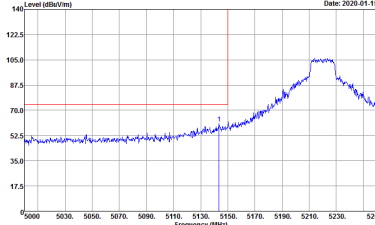
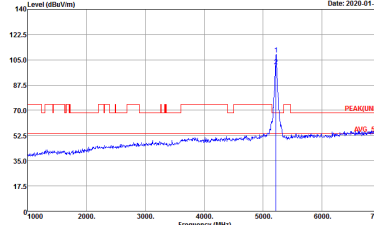
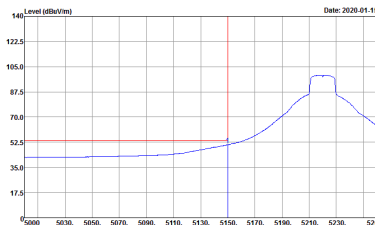


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|--------------------|---|---|
| ANT                | 802.11ac VHT20 CH44 5220MHz - L   |   |
| 1+2                | Horizontal  | Fundamental   |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 5<br/>           Setting : 23.5</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 5<br/>           Setting : 23.5</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 5<br/>           Setting : 23.5</p> | <p>Left blank</p>   |

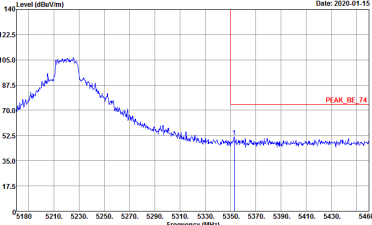
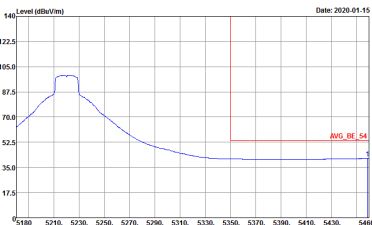


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ac VHT20 CH44 5220MHz - R   |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 5<br/>           Setting : 23.5</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 5<br/>           Setting : 23.5</p> | <p>Left blank</p> |



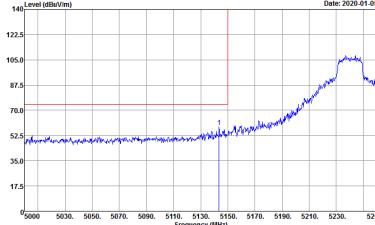
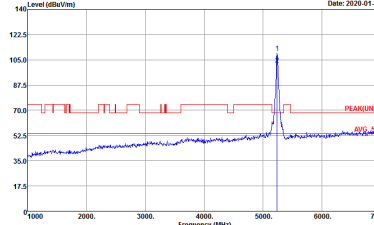
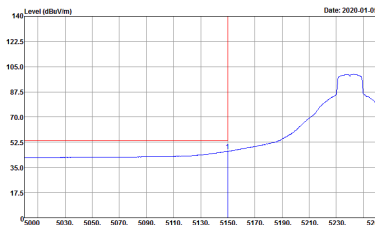
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|--------------------|---|---|
| ANT                | 802.11ac VHT20 CH44 5220MHz - L   |   |
| 1+2                | Vertical  | Fundamental   |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 5<br/>           Setting : 23.5</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 5<br/>           Setting : 23.5</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 5<br/>           Setting : 23.5</p> | <p>Left blank</p>   |



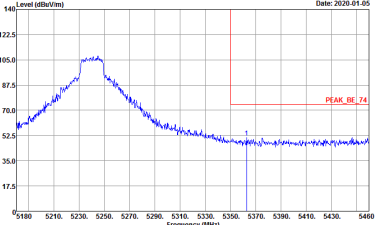
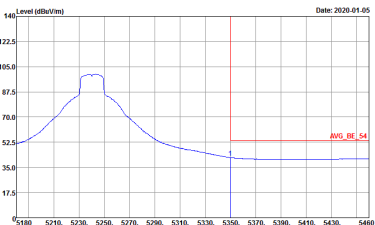
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ac VHT20 CH44 5220MHz - R   |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 5<br/>           Setting : 23.5</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 5<br/>           Setting : 23.5</p> | <p>Left blank</p> |



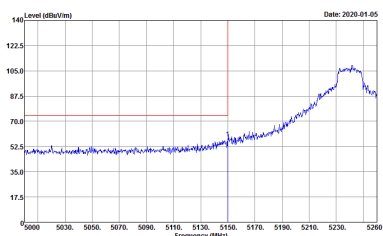
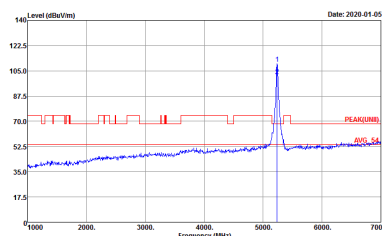
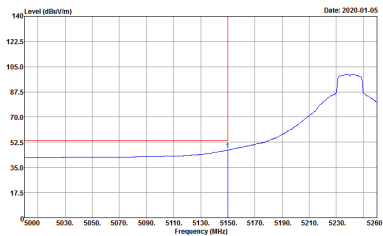


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m   |   |
|--------------------|--|---|
| ANT                | 802.11ac VHT20 CH48 5240MHz - L  |   |
| 1+2                | Horizontal   | Fundamental   |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:0.0100KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>  | <p>Left blank</p>   |

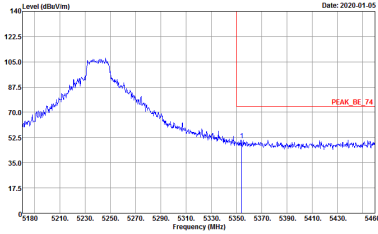
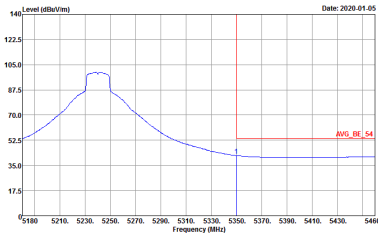


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ac VHT20 CH48 5240MHz - R   |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left blank</p> |



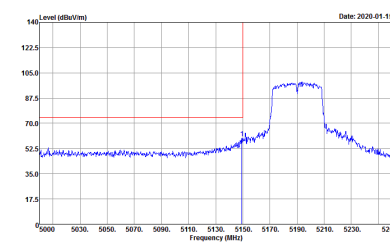
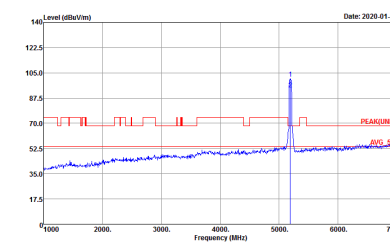
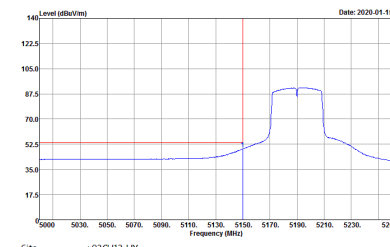
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ac VHT20 CH48 5240MHz - L   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | Left blank  |



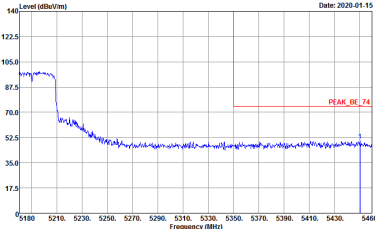
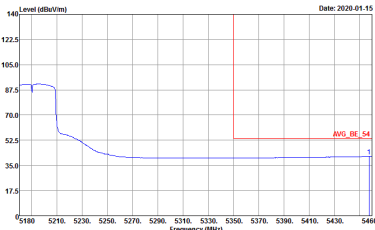
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m   |                   |
|--------------------|--|-------------------|
| ANT                | 802.11ac VHT20 CH48 5240MHz - R  |                   |
| 1+2                | Vertical   | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000kHz VBW:0.0100kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>  | <p>Left blank</p> |



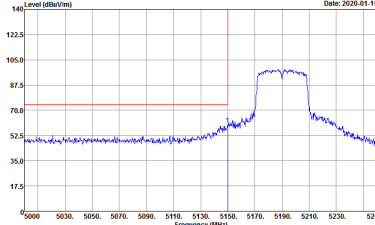
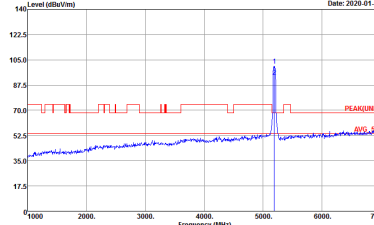
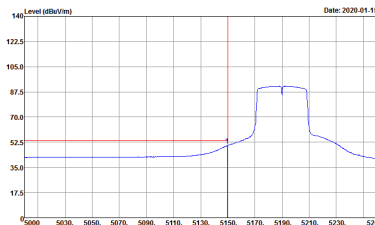
**Band 1 5150~5250MHz  
WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI                              | Band 1 5150~5250MHz Band Edge @ 3m   |   |
|-----------------------------------|--|---|
| ANT                               | 802.11ac VHT40 CH38 5190MHz - L  |   |
| 1+2                               | Horizontal   | Fundamental   |
| <p align="center"><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635<br/>Mode : 7<br/>Setting : 17.5</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635<br/>Mode : 7<br/>Setting : 17.5</p> |
| <p align="center"><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635<br/>Mode : 7<br/>Setting : 17.5</p>   | <p align="center"><b>Left blank</b></p>   |

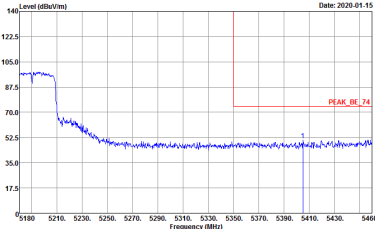
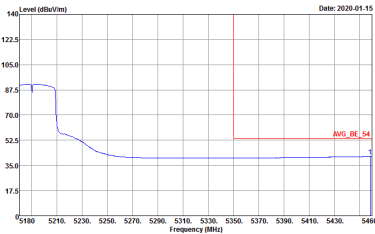


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ac VHT40 CH38 5190MHz - R   |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 7<br/>           Setting : 17.5</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 7<br/>           Setting : 17.5</p> | <p>Left blank</p> |



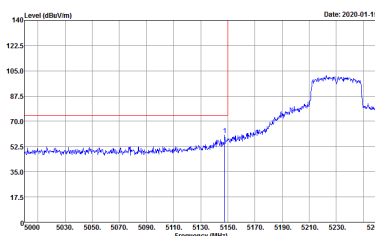
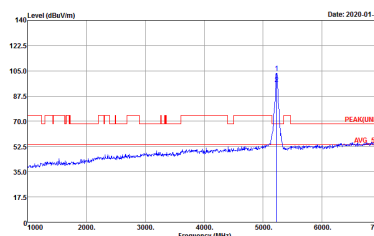
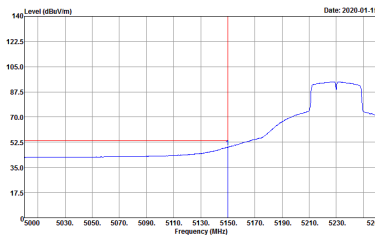
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ac VHT40 CH38 5190MHz - L   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 7<br/>           Setting : 17.5</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 7<br/>           Setting : 17.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 7<br/>           Setting : 17.5</p> | Left blank  |



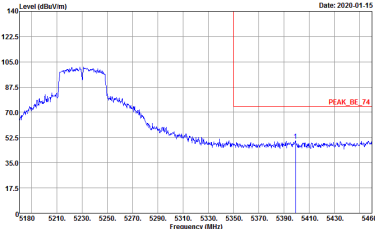
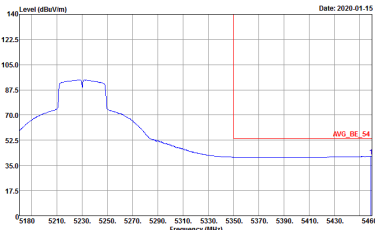
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ac VHT40 CH38 5190MHz - R   |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 7<br/>           Setting : 17.5</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 7<br/>           Setting : 17.5</p> | <p>Left blank</p> |



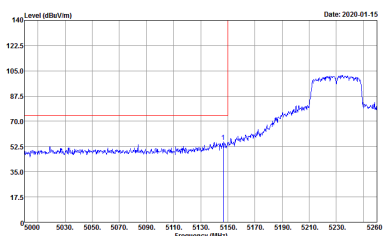
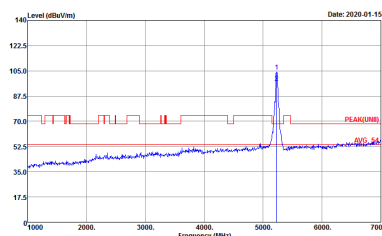
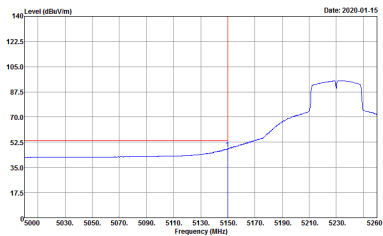


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|--------------------|---|---|
| ANT                | 802.11ac VHT40 CH46 5230MHz - L   |   |
| 1+2                | Horizontal  | Fundamental   |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 8<br/>           Setting : 20.5</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 8<br/>           Setting : 20.5</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 8<br/>           Setting : 20.5</p> | <p>Left blank</p>   |

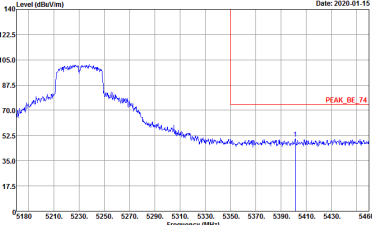
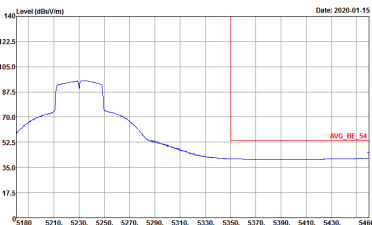


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ac VHT40 CH46 5230MHz - R   |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 8<br/>           Setting : 20.5</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 8<br/>           Setting : 20.5</p> | <p>Left blank</p> |



| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|--------------------|---|---|
| ANT                | 802.11ac VHT40 CH46 5230MHz - L   |   |
| 1+2                | Vertical  | Fundamental   |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 8<br/>           Setting : 20.5</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 8<br/>           Setting : 20.5</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 8<br/>           Setting : 20.5</p> | <p>Left blank</p>   |



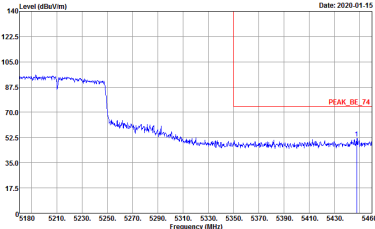
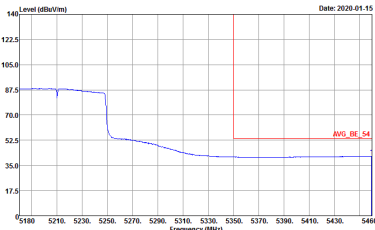
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ac VHT40 CH46 5230MHz - R   |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 8<br/>           Setting : 20.5</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 8<br/>           Setting : 20.5</p> | <p>Left blank</p> |



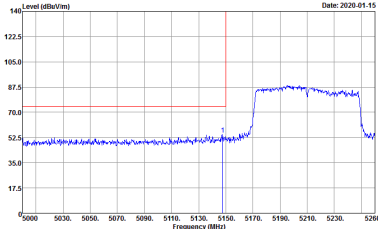
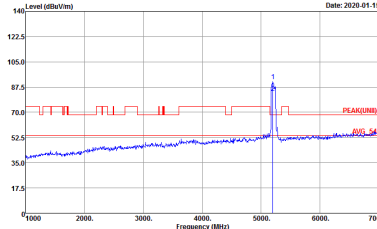
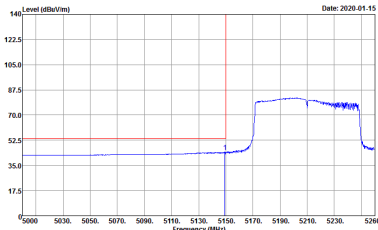
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m   |  |
|-------------|--|--|
| ANT         | 802.11ac VHT80 CH42 5210MHz - L  |  |
| 1+2         | Horizontal   | Fundamental  |
| <b>Peak</b> | <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 9<br/>           Power : 17</p> | <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 9<br/>           Power : 17</p> |
| <b>Avg.</b> | <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 9<br/>           Power : 17</p>     | <b>Left blank</b>  |

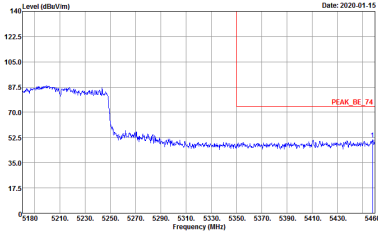
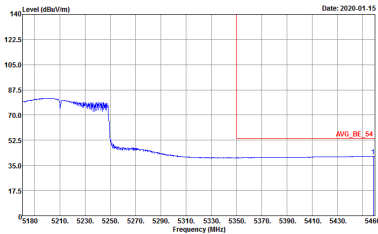


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m   |                   |
|--------------------|--|-------------------|
| ANT                | 802.11ac VHT80 CH42 5210MHz - R  |                   |
| 1+2                | Horizontal   | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 9<br/>           Power : 17</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:0.0100kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 9<br/>           Power : 17</p>  | <p>Left blank</p> |



| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|--------------------|---|---|
| ANT                | 802.11ac VHT80 CH42 5210MHz - L   |   |
| 1+2                | Vertical  | Fundamental   |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 9<br/>           Power : 17</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 9<br/>           Power : 17</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 9<br/>           Power : 17</p> | <p>Left blank</p>   |



| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ac VHT80 CH42 5210MHz - R   |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 9<br/>           Power : 17</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Mode : 9<br/>           Power : 17</p> | <p>Left blank</p> |

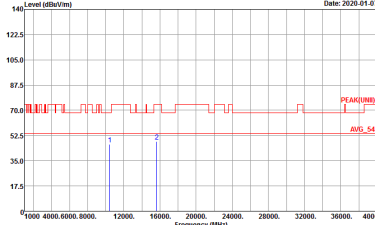
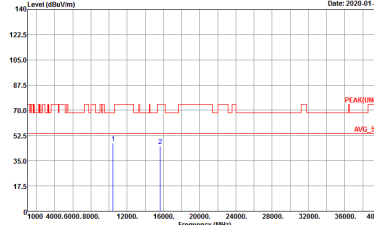




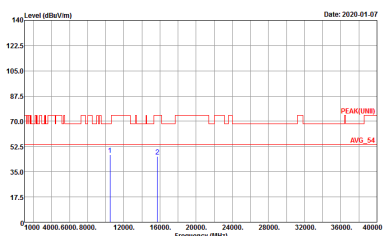
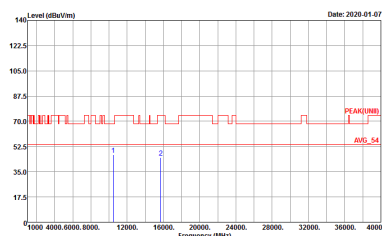
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

|                            |   |   |
|----------------------------|---|---|
| <b>WIFI</b>                | <b>Band 1 5150~5250MHz Harmonic @ 3m</b>  |   |
| <b>ANT</b>                 | <b>802.11a CH36 5180MHz</b>   |   |
| <b>1+2</b>                 | <b>Horizontal</b>   | <b>Vertical</b>   |
| <b>Peak</b><br><b>Avg.</b> | <p>Site : 03CH13-1FY<br/>         Condition : PEAK(LINE) 3m HORN_91200_1241 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 9D0635<br/>         Mode : 1</p> | <p>Site : 03CH13-1FY<br/>         Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL<br/>         Detector : Peak<br/>         Project : 9D0635<br/>         Mode : 1</p> |



|                                       |  |   |
|---------------------------------------|--|---|
| WIFI                                  | Band 1 5150~5250MHz Harmonic @ 3m  |   |
| ANT                                   | 802.11a CH44 5220MHz   |   |
| 1+2                                   | Horizontal   | Vertical  |
| <p><b>Peak</b></p> <p><b>Avg.</b></p> |  <p>Site : 03CH12-HY<br/>         Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 900635<br/>         Mode : 2</p> |  <p>Site : 03CH12-HY<br/>         Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>         Detector : Peak<br/>         Project : 900635<br/>         Mode : 2</p> |



|                                       |  |   |
|---------------------------------------|--|---|
| WIFI                                  | Band 1 5150~5250MHz Harmonic @ 3m  |   |
| ANT                                   | 802.11a CH48 5240MHz   |   |
| 1+2                                   | Horizontal   | Vertical  |
| <p><b>Peak</b></p> <p><b>Avg.</b></p> |  <p>Site : 03CH12-HY<br/>         Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 900635<br/>         Mode : 3</p> |  <p>Site : 03CH12-HY<br/>         Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>         Detector : Peak<br/>         Project : 900635<br/>         Mode : 3</p> |




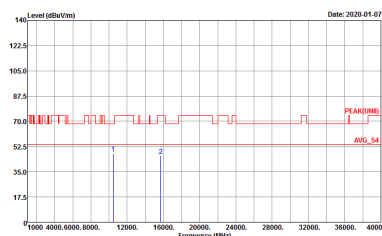
**Band 1 5150~5250MHz  
WIFI 802.11ac VHT20 (Harmonic @ 3m)**

|                      |   |   |
|----------------------|---|---|
| <b>WIFI</b>          | <b>Band 1 5150~5250MHz Harmonic @ 3m</b>  |   |
| <b>ANT</b>           | <b>802.11ac VHT20 CH36 5180MHz</b>  |   |
| <b>1+2</b>           | <b>Horizontal</b>   | <b>Vertical</b>   |
| <b>Peak<br/>Avg.</b> | <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635</p> |



|              |   |   |
|--------------|---|---|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m   |   |
| ANT          | 802.11ac VHT20 CH44 5220MHz   |   |
| 1+2          | Horizontal  | Vertical  |
| Peak<br>Avg. | <p>Site : 03CH12-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p> | <p>Site : 03CH12-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635</p> |



|                                       |  |   |
|---------------------------------------|--|---|
| WIFI                                  | Band 1 5150~5250MHz Harmonic @ 3m  |   |
| ANT                                   | 802.11ac VHT20 CH48 5240MHz  |   |
| 1+2                                   | Horizontal   | Vertical  |
| <p><b>Peak</b></p> <p><b>Avg.</b></p> |  <p>Site : 03CH12-HY<br/>         Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 9D0635</p> |  <p>Site : 03CH12-HY<br/>         Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>         Detector : Peak<br/>         Project : 9D0635</p> |



**Band 1 5150~5250MHz  
WIFI 802.11ac VHT40 (Harmonic @ 3m)**

|                      |   |   |
|----------------------|---|---|
| <b>WIFI</b>          | <b>Band 1 5150~5250MHz Harmonic @ 3m</b>  |   |
| <b>ANT</b>           | <b>802.11ac VHT40 CH38 5190MHz</b>  |   |
| <b>1+2</b>           | <b>Horizontal</b>   | <b>Vertical</b>   |
| <b>Peak<br/>Avg.</b> | <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635</p> |



|                      |   |   |
|----------------------|---|---|
| <b>WIFI</b>          | <b>Band 1 5150~5250MHz Harmonic @ 3m</b>  |   |
| <b>ANT</b>           | <b>802.11ac VHT40 CH46 5230MHz</b>  |   |
| <b>1+2</b>           | <b>Horizontal</b>   | <b>Vertical</b>   |
| <b>Peak<br/>Avg.</b> | <p>Site : 03CH12-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p> | <p>Site : 03CH12-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635</p> |





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

|                            |   |   |
|----------------------------|---|---|
| <b>WIFI</b>                | <b>Band 1 5150~5250MHz Harmonic @ 3m</b>  |   |
| <b>ANT</b>                 | <b>802.11ac VHT80 CH42 5210MHz</b>  |   |
| <b>1+2</b>                 | <b>Horizontal</b>   | <b>Vertical</b>   |
| <b>Peak</b><br><b>Avg.</b> | <p>Site : 03CH13-HY<br/>         Condition : PEAK(UWB) 3m HORN_91200_1241 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 9D0635</p> | <p>Site : 03CH13-HY<br/>         Condition : PEAK(UWB) 3m HORN_91200_1241 VERTICAL<br/>         Detector : Peak<br/>         Project : 9D0635</p> |

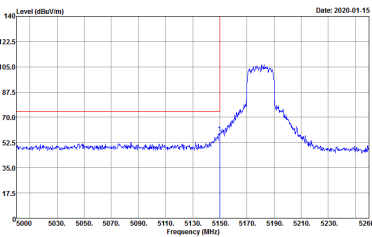
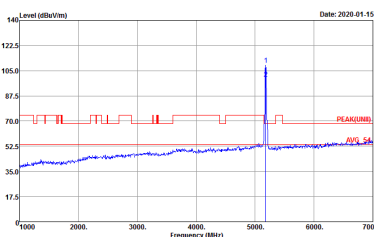
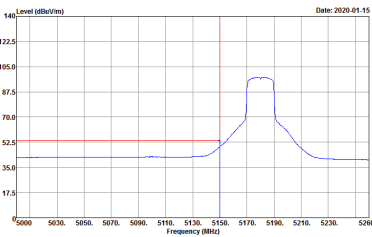


Emission below 1GHz  
5GHz WIFI 802.11ac VHT80 (LF)

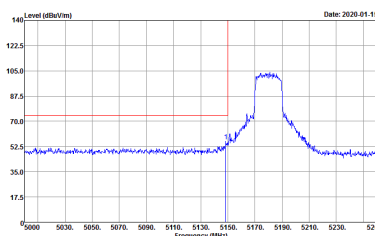
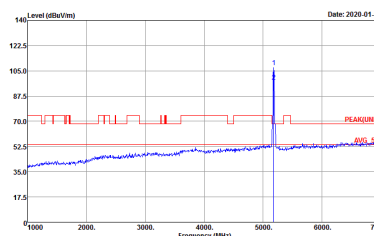

| WIFI         | 5GHz WIFI  |  |
|--------------|--|--|
| ANT          | 802.11ac VHT80 LF  |  |
| 1+2          | Horizontal   | Vertical   |
| QP /<br>Peak | <p>Site : 03CH13-HY<br/>Condition : QP 3m BTL0G_40103 HORIZONTAL<br/>Detector : Peak<br/>Project : 9500635<br/>Mode : 68</p> | <p>Site : 03CH13-HY<br/>Condition : QP 3m BTL0G_40103 VERTICAL<br/>Detector : Peak<br/>Project : 9500635<br/>Mode : 68</p> |



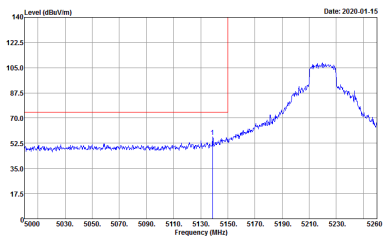
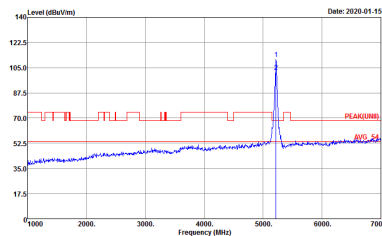
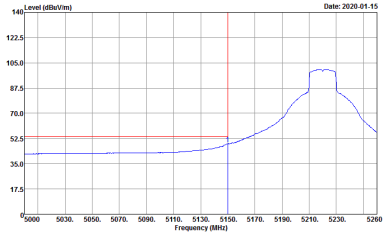
**Band 1 - 5150~5250MHz**  
**WIFI 802.11ax HE20 (Band Edge @ 3m)**

| WIFI                              | Band 1 5150~5250MHz Band Edge @ 3m  |  |
|-----------------------------------|---|--|
| ANT                               | 802.11ax HE20 CH36 5180MHz  |  |
| 1+2                               | Horizontal  | Fundamental  |
| <p align="center"><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 18.5</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(LINII) 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 18.5</p> |
| <p align="center"><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 18.5</p> | <p align="center"><b>Left blank</b></p>  |

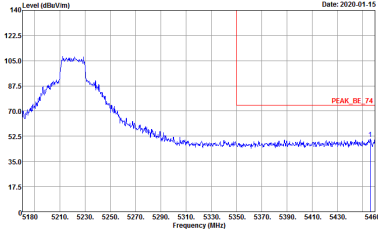
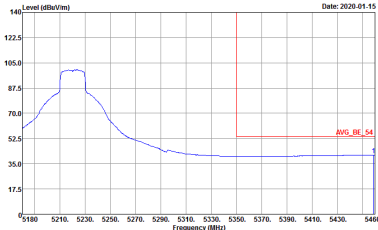


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|--------------------|---|---|
| ANT                | 802.11ax HE20 CH36 5180MHz  |   |
| 1+2                | Vertical  | Fundamental   |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 18.5</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 18.5</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 18.5</p> | <p><b>Left blank</b></p>  |

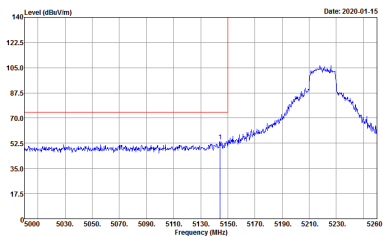
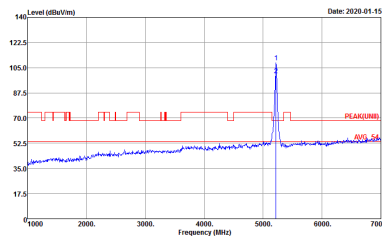
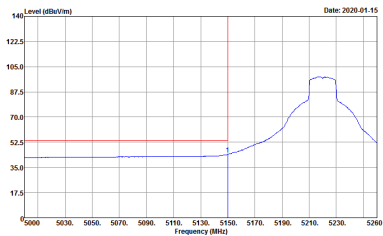


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|--------------------|---|---|
| ANT                | 802.11ax HE20 CH44 5220MHz - L  |   |
| 1+2                | Horizontal  | Fundamental   |
| <p><b>Peak</b></p> |  <p>Date: 2020-01-15</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 23</p>  |  <p>Date: 2020-01-15</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 23</p> |
| <p><b>Avg.</b></p> |  <p>Date: 2020-01-15</p> <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 23</p> | <p><b>Left blank</b></p>  |

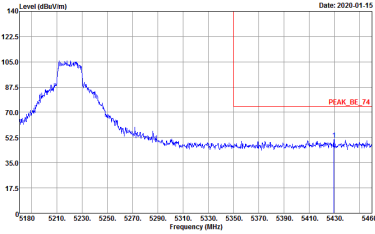
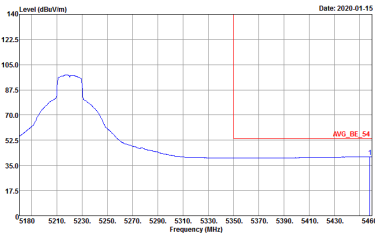


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE20 CH44 5220MHz - R  |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 23</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 23</p> | <p>Left blank</p> |



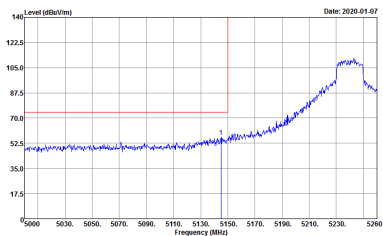
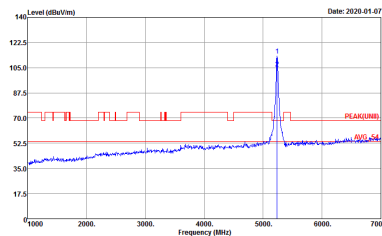
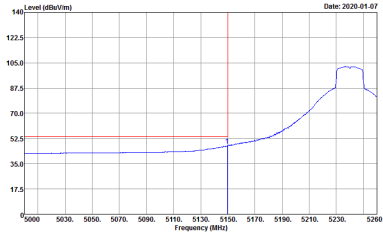
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m  |  |
|------|---|--|
| ANT  | 802.11ax HE20 CH44 5220MHz - L  |  |
| 1+2  | Vertical  | Fundamental  |
| Peak |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : Z3</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(LINII) 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : Z3</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : Z3</p> | Left blank   |



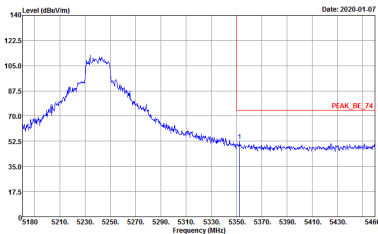
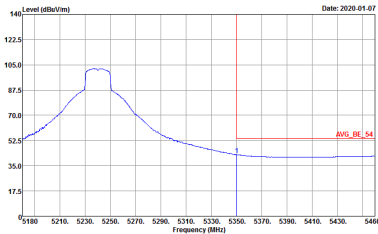
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE20 CH44 5220MHz - R  |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 23</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 23</p> | <p>Left blank</p> |



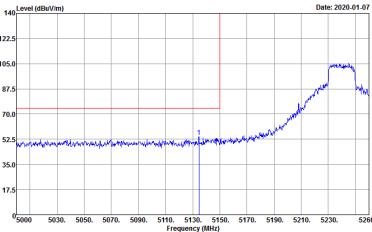
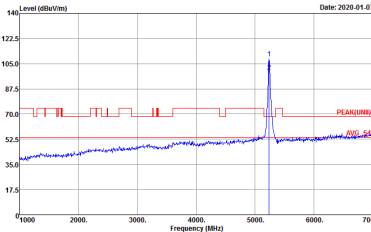
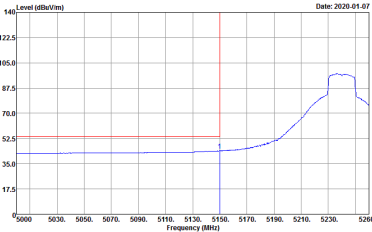


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m   |   |
|--------------------|--|---|
| ANT                | 802.11ax HE20 CH48 5240MHz - L   |   |
| 1+2                | Horizontal   | Fundamental   |
| <p><b>Peak</b></p> |  <p>Date: 2020-01-07</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |  <p>Date: 2020-01-07</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| <p><b>Avg.</b></p> |  <p>Date: 2020-01-07</p> <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   | <p>Left blank</p>   |

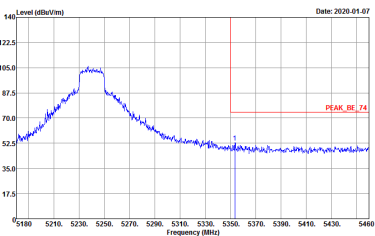
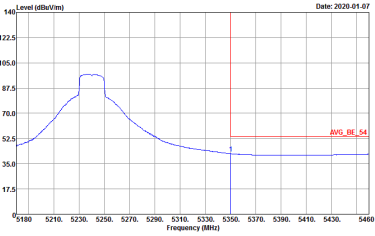


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE20 CH48 5240MHz - R  |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left blank</p> |



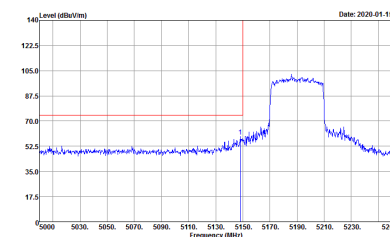
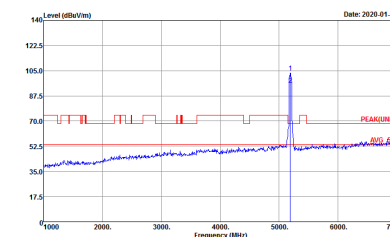
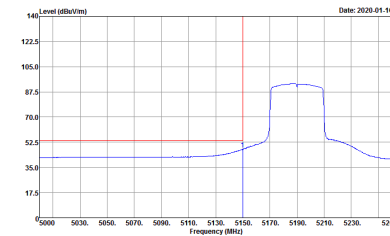
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m   |   |
|------|--|---|
| ANT  | 802.11ax HE20 CH48 5240MHz - L   |   |
| 1+2  | Vertical   | Fundamental   |
| Peak |  <p>Date: 2020-01-07</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |  <p>Date: 2020-01-07</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. |  <p>Date: 2020-01-07</p> <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   | Left blank  |



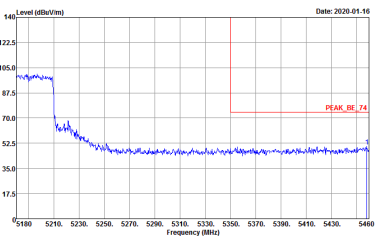
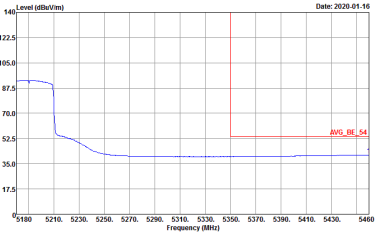
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE20 CH48 5240MHz - R  |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left blank</p> |



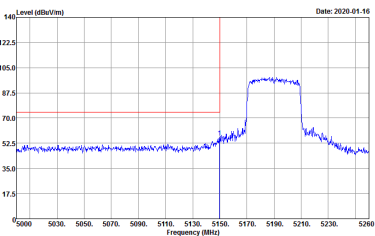
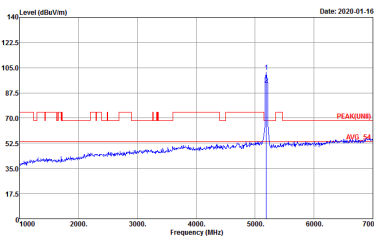
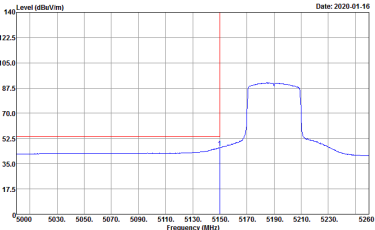
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE40 (Band Edge @ 3m)**

| WIFI                              | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|-----------------------------------|---|---|
| ANT                               | 802.11ax HE40 CH38 5190MHz - L  |   |
| 1+2                               | Horizontal  | Fundamental   |
| <p align="center"><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>         Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 9D0635<br/>         Setting : 17</p>  |  <p>Site : 03CH13-HY<br/>         Condition : PEAK(LINE) 3m HORN_91200_1241 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 9D0635<br/>         Setting : 17</p> |
| <p align="center"><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>         Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 9D0635<br/>         Setting : 17</p> | <p align="center"><b>Left blank</b></p>   |

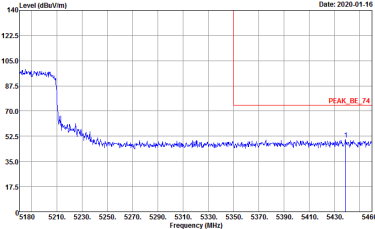
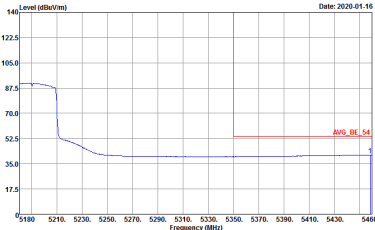


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 CH38 5190MHz - R  |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p> | <p>Left blank</p> |



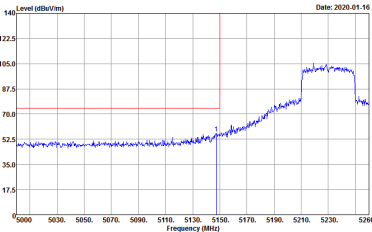
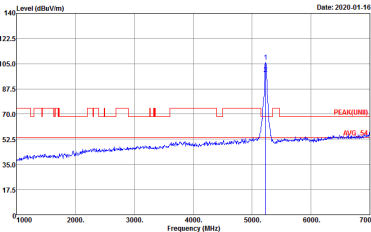
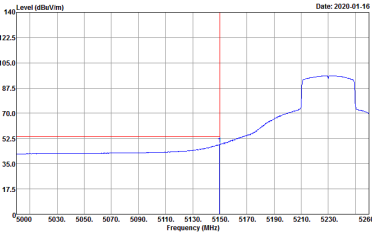
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m   |   |
|------|--|---|
| ANT  | 802.11ax HE40 CH38 5190MHz - L   |   |
| 1+2  | Vertical   | Fundamental   |
| Peak |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p> |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p> |
| Avg. |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p>   | Left blank  |



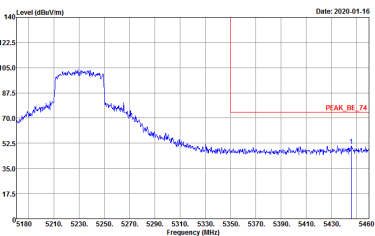
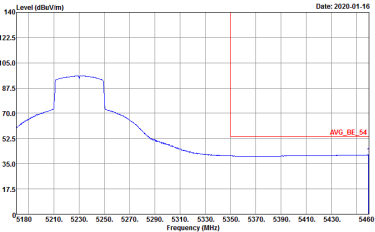
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m   |                   |
|--------------------|--|-------------------|
| ANT                | 802.11ax HE40 CH38 5190MHz - R   |                   |
| 1+2                | Vertical   | Fundamental       |
| <p><b>Peak</b></p> |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>           : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p>   | <p>Left blank</p> |



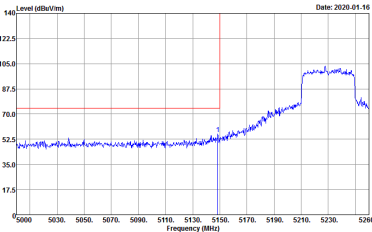
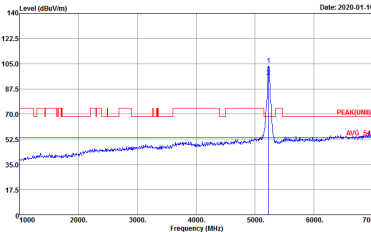
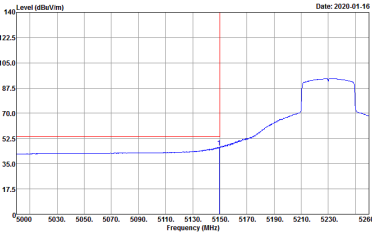


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|--------------------|---|---|
| ANT                | 802.11ax HE40 CH46 5230MHz - L  |   |
| 1+2                | Horizontal  | Fundamental   |
| <p><b>Peak</b></p> |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 20</p>  |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 20</p> |
| <p><b>Avg.</b></p> |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 20</p> | <p><b>Left blank</b></p>  |

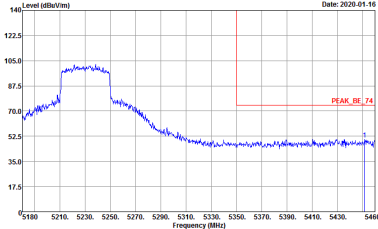
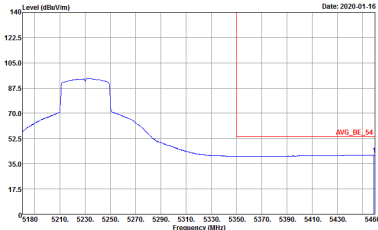


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 CH46 5230MHz - R  |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 20</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 20</p> | <p>Left blank</p> |



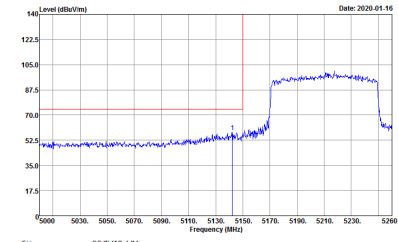
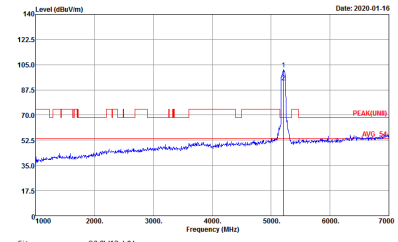
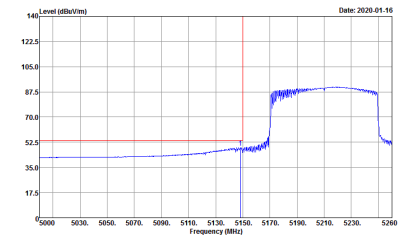
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m   |   |
|------|--|---|
| ANT  | 802.11ax HE40 CH46 5230MHz - L   |   |
| 1+2  | Vertical   | Fundamental   |
| Peak |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 20</p> |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 20</p> |
| Avg. |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 20</p>   | Left blank  |



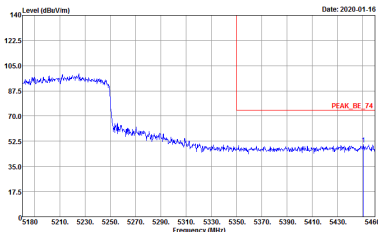
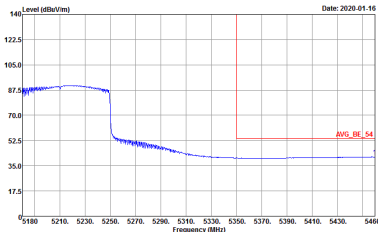
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 CH46 5230MHz - R  |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 20</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 20</p> | <p>Left blank</p> |



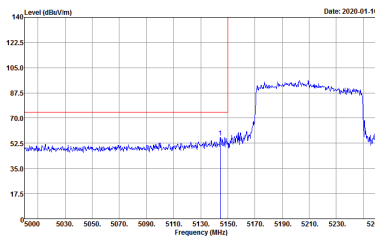
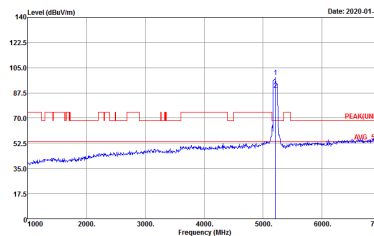
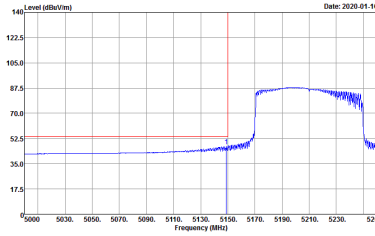
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 (Band Edge @ 3m)**

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m  |   |
|-------------|---|---|
| ANT         | 802.11ax HE80 CH42 5210MHz - L  |   |
| 1+2         | Horizontal  | Fundamental   |
| <b>Peak</b> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p>  |  <p>Site : 03CH13-HY<br/>           Condition : PEAK(LINE) 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p> |
| <b>Avg.</b> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p> | <b>Left blank</b>   |

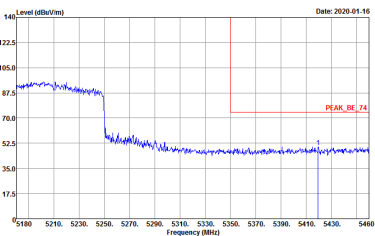
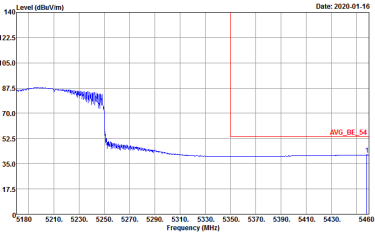


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE80 CH42 5210MHz - R  |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p> | <p>Left blank</p> |



| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m   |   |
|--------------------|--|---|
| ANT                | 802.11ax HE80 CH42 5210MHz - L   |   |
| 1+2                | Vertical   | Fundamental   |
| <p><b>Peak</b></p> |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p> |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p> |
| <p><b>Avg.</b></p> |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p>   | <p>Left blank</p>   |



| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m   |                   |
|--------------------|--|-------------------|
| ANT                | 802.11ax HE80 CH42 5210MHz - R   |                   |
| 1+2                | Vertical   | Fundamental       |
| <p><b>Peak</b></p> |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Date: 2020-01-16</p> <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>           : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17</p>   | <p>Left blank</p> |





Band 1 5150~5250MHz

WIFI 802.11ax HE20 (Partial RU 26/0) (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m   |   |
|------|--|---|
| ANT  | 802.11ax HE20 CH36 5180MHz   |   |
| 1+2  | Horizontal   | Fundamental   |
| Peak | <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNI) 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. | <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>     | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m   |  |
|------|--|--|
| ANT  | 802.11ax HE20 CH36 5180MHz   |  |
| 1+2  | Vertical   | Fundamental  |
| Peak | <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. | <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000kHz VBW:0.0100kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>    | Left blank   |



Band 1 5150~5250MHz

WIFI 802.11ax HE20 (Partial RU 52/37) (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m   |   |
|------|--|---|
| ANT  | 802.11ax HE20 CH36 5180MHz   |   |
| 1+2  | Horizontal   | Fundamental   |
| Peak | <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNI) 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. | <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>     | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m   |   |
|------|--|---|
| ANT  | 802.11ax HE20 CH36 5180MHz   |   |
| 1+2  | Vertical   | Fundamental   |
| Peak | <p>Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Site : 03CH13-HY<br/>           Condition : PEAK(UNI) 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. | <p>Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>     | Left blank  |