

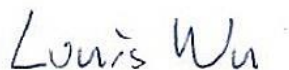
# FCC RADIO TEST REPORT

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.



Approved by: Louis Wu

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



## Table of Contents

|                                                              |           |
|--------------------------------------------------------------|-----------|
| <b>History of this test report.....</b>                      | <b>3</b>  |
| <b>Summary of Test Result.....</b>                           | <b>4</b>  |
| <b>1 General Description .....</b>                           | <b>5</b>  |
| 1.1 Product Feature of Equipment Under Test .....            | 5         |
| 1.2 Product Specification of Equipment Under Test .....      | 6         |
| 1.3 Modification of EUT.....                                 | 10        |
| 1.4 Testing Location.....                                    | 11        |
| 1.5 Applicable Standards .....                               | 11        |
| <b>2 Test Configuration of Equipment Under Test.....</b>     | <b>12</b> |
| 2.1 Carrier Frequency and Channel.....                       | 12        |
| 2.2 Test Mode .....                                          | 13        |
| 2.3 Connection Diagram of Test System .....                  | 16        |
| 2.4 Support Unit used in test configuration and system ..... | 18        |
| 2.5 EUT Operation Test Setup.....                            | 18        |
| 2.6 Measurement Results Explanation Example .....            | 18        |
| <b>3 Test Result .....</b>                                   | <b>19</b> |
| 3.1 26dB & 99% Occupied Bandwidth Measurement.....           | 19        |
| 3.2 Maximum Conducted Output Power Measurement .....         | 22        |
| 3.3 Power Spectral Density Measurement .....                 | 24        |
| 3.4 Unwanted Emissions Measurement .....                     | 28        |
| 3.5 AC Conducted Emission Measurement .....                  | 34        |
| 3.6 Automatically Discontinue Transmission .....             | 36        |
| 3.7 Antenna Requirements .....                               | 38        |
| <b>4 List of Measuring Equipment .....</b>                   | <b>40</b> |
| <b>5 Uncertainty of Evaluation .....</b>                     | <b>43</b> |
| <b>Appendix A. Conducted Test Results</b>                    |           |
| <b>Appendix B. AC Conducted Emission Test Result</b>         |           |
| <b>Appendix C. Radiated Spurious Emission</b>                |           |
| <b>Appendix D. Radiated Spurious Emission Plots</b>          |           |
| <b>Appendix E. Duty Cycle Plots</b>                          |           |



## History of this test report

| Report No. | Version | Description             | Issued Date   |
|------------|---------|-------------------------|---------------|
| FR9D0635E  | 01      | Initial issue of report | Feb. 14, 2020 |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |

## 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               | -                                         |

**Declaration of Conformity:**

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

**Comments and Explanations:**

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

**Reviewed by: Wii Chang**

**Report Producer: 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> | <b>&lt;5180 MHz ~ 5240 MHz&gt;</b><br><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<br><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<br><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 |



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

| Standards-related Product Specification                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Output Power to Antenna<br/>&lt;CDD Modes&gt;</b>  | <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 |
| <b>Maximum Output Power to Antenna<br/>&lt;TXBF Modes&gt;</b> | <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 99% Occupied Bandwidth<br><CDD Modes>   | <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<br><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 |
| 99% Occupied Bandwidth<br><TXBF Modes>  | <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<br><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                                                |
| Type of Modulation                      | 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)                                                                                                                                                                                                                                                                                               |

| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                                                                                                                             |        |  |  |        |        |                  |   |   |                       |   |   |                   |   |   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|--|--------|--------|------------------|---|---|-----------------------|---|---|-------------------|---|---|
| Antenna Type / Gain                     | <b>&lt;5180 MHz ~ 5240 MHz&gt;</b><br><b>Ant. 1 :</b> ILA Antenna with gain 1.50 dBi<br><b>Ant. 2 :</b> ILA Antenna with gain 1.30 dBi<br><b>&lt;5260 MHz ~ 5320 MHz&gt;</b><br><b>Ant. 1 :</b> ILA Antenna with gain 1.50 dBi<br><b>Ant. 2 :</b> ILA Antenna with gain 1.30 dBi<br><b>&lt;5500 MHz ~ 5700 MHz &gt;</b><br><b>Ant. 1 :</b> ILA Antenna with gain 1.50 dBi<br><b>Ant. 2 :</b> ILA Antenna with gain 1.30 dBi |        |  |  |        |        |                  |   |   |                       |   |   |                   |   |   |
| Antenna Function Description            | <table><tr><td></td><td>Ant. 1</td><td>Ant. 2</td></tr><tr><td>802.11 a/n/ac/ax</td><td>V</td><td>V</td></tr><tr><td>802.11 a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr><tr><td>802.11 ac/ax TXBF</td><td>V</td><td>V</td></tr></table>                                                                                                                                                                                     |        |  |  | 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 |
|                                         | 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        |         |             |
| Frequency Band                        | Channel          | Freq. (MHz) | Channel | Freq. (MHz) |
| 5250-5350 MHz<br>Band 2<br>(U-NII-2A) | 52               | 5260        | 60      | 5300        |
|                                       | 54*              | 5270        | 62*     | 5310        |
|                                       | 56               | 5280        | 64      | 5320        |
|                                       | 58 <sup>#</sup>  | 5290        |         |             |
| Frequency Band                        | Channel          | Freq. (MHz) | Channel | Freq. (MHz) |
| 5470-5725 MHz<br>Band 3<br>(U-NII-2C) | 100              | 5500        | 112     | 5560        |
|                                       | 102*             | 5510        | 116     | 5580        |
|                                       | 104              | 5520        | 132     | 5660        |
|                                       | 106 <sup>#</sup> | 5530        | 134*    | 5670        |
|                                       | 108              | 5540        | 136     | 5680        |
|                                       | 110*             | 5550        | 140     | 5700        |

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

**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      |

| Test Cases                                                                                       |                                                                                                                                  |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>AC Conducted Emission</b>                                                                     | Mode 1 : GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + MPEG4 + Earphone<br>+ 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                     |

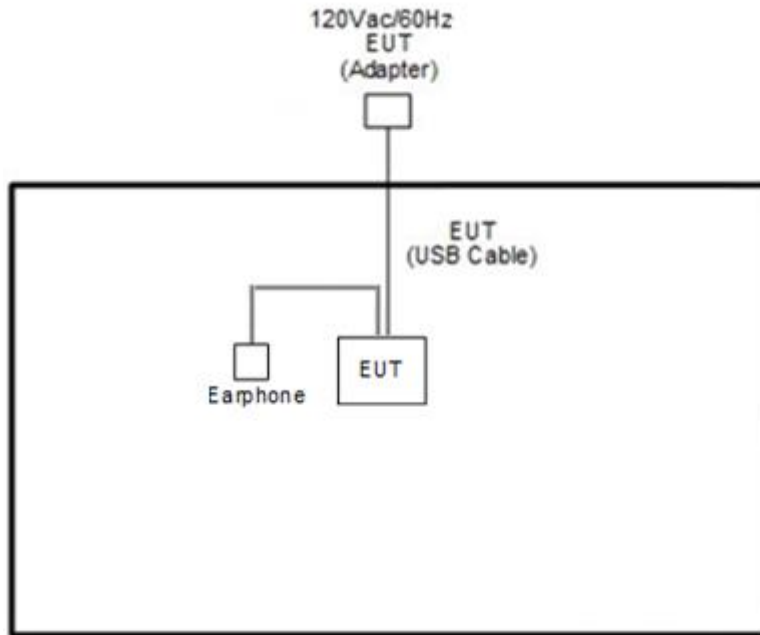
| Ch. # |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|-------|--------|------------------------|-------------------------|-------------------------|
|       |        | 802.11ax HE40          | 802.11ax HE40           | 802.11ax HE40           |
| L     | Low    | 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                     |

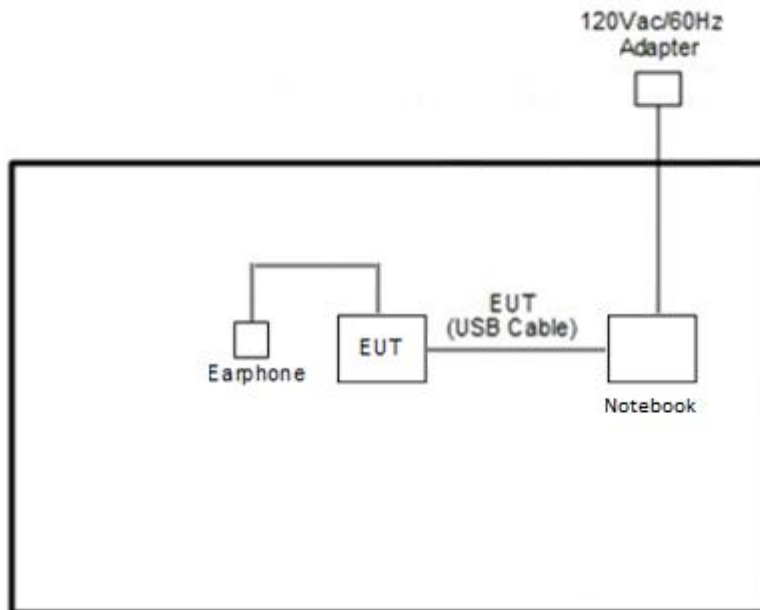
**Remark:** For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

## 2.3 Connection Diagram of Test System

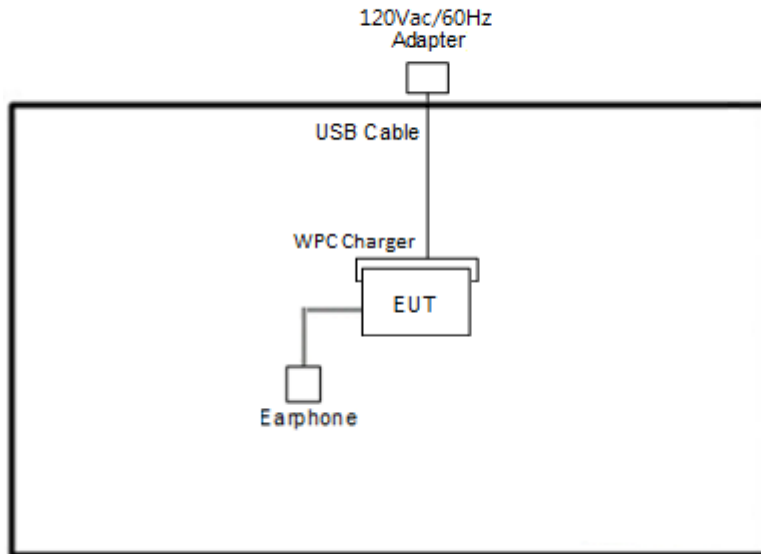
<WLAN Tx Mode>



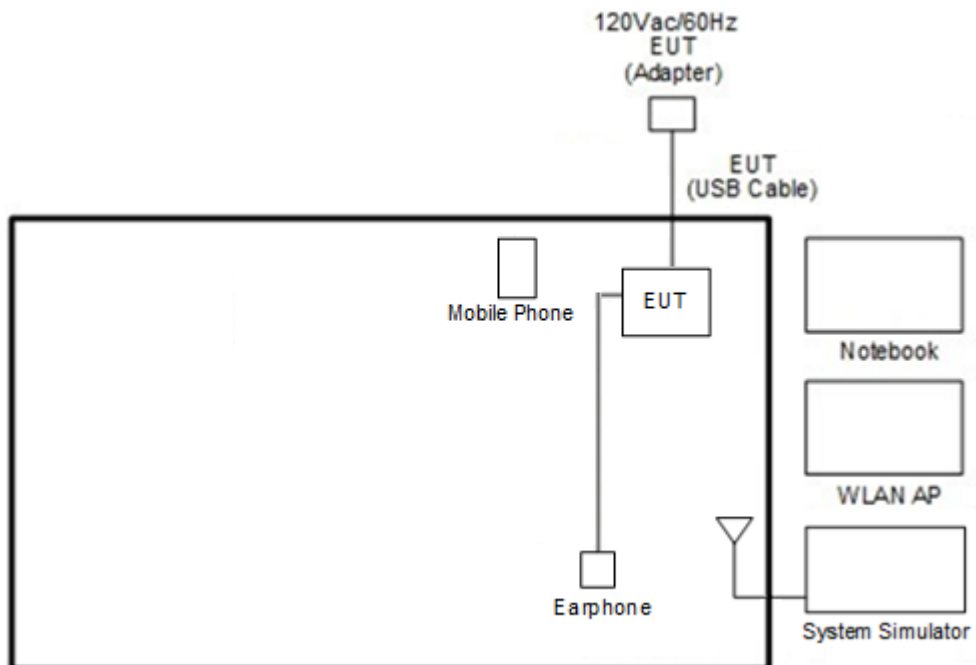
<TXBF Mode>



<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.

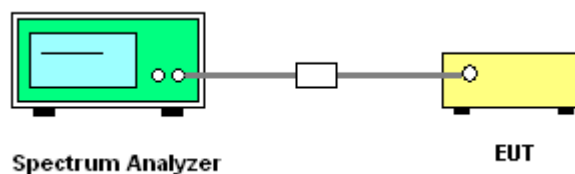
##### 3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

##### 3.1.3 Test Procedures

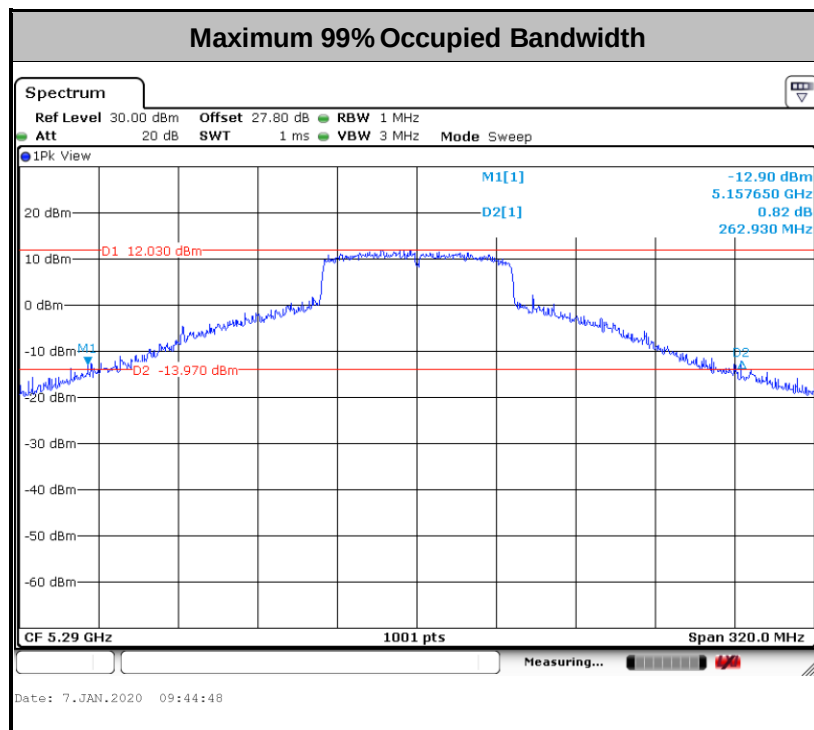
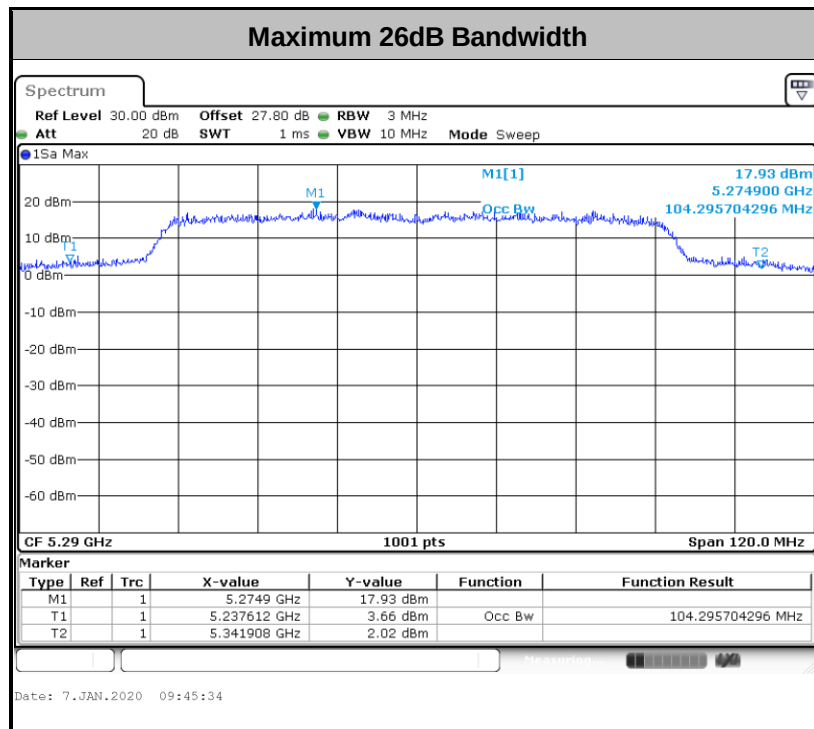
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

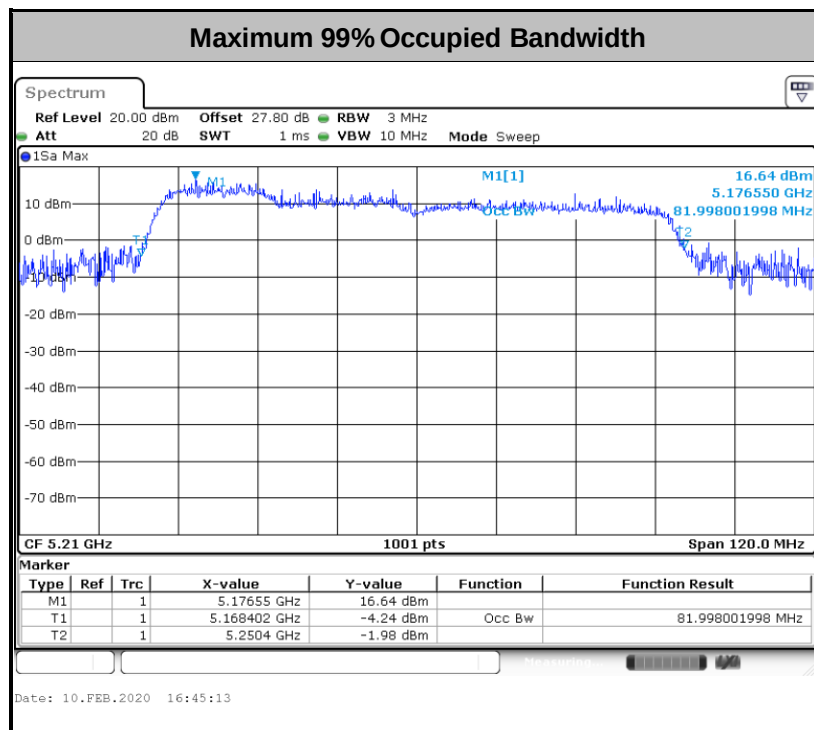
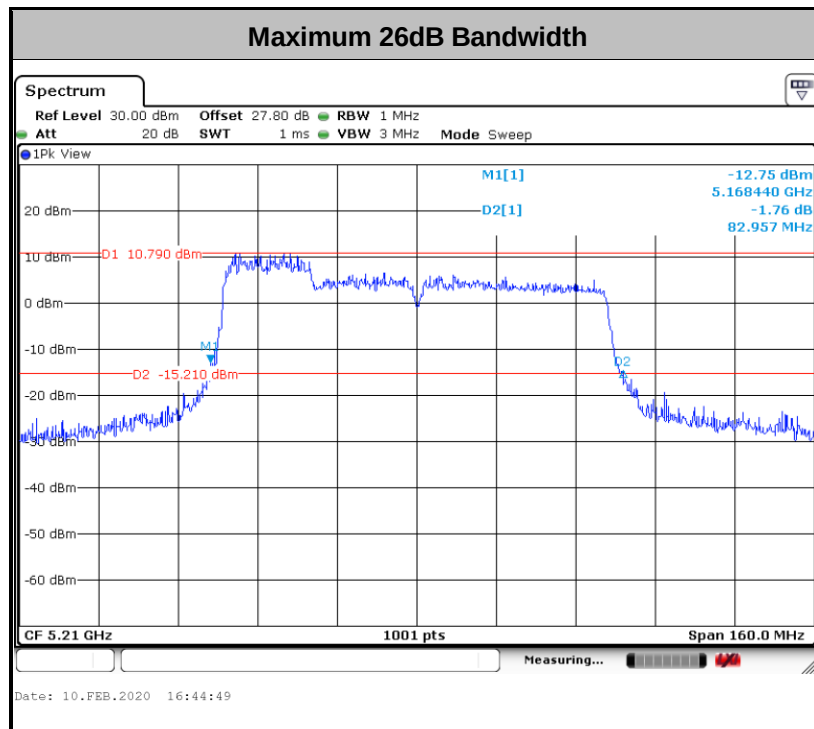
Please refer to Appendix A.



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



## &lt;TXBF Modes&gt;



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

## 3.2 Maximum Conducted Output Power Measurement

### 3.2.1 Limit of Maximum Conducted Output Power

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

##### **For the 5.15–5.25 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.

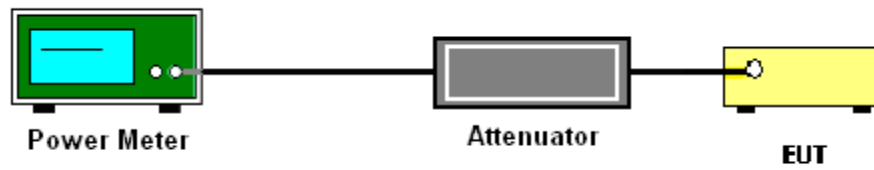
### 3.2.3 Test Procedures

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 #

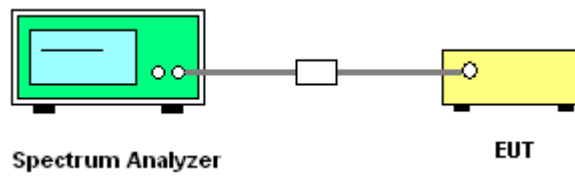
(power averaging (rms) detection with max hold):

- 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

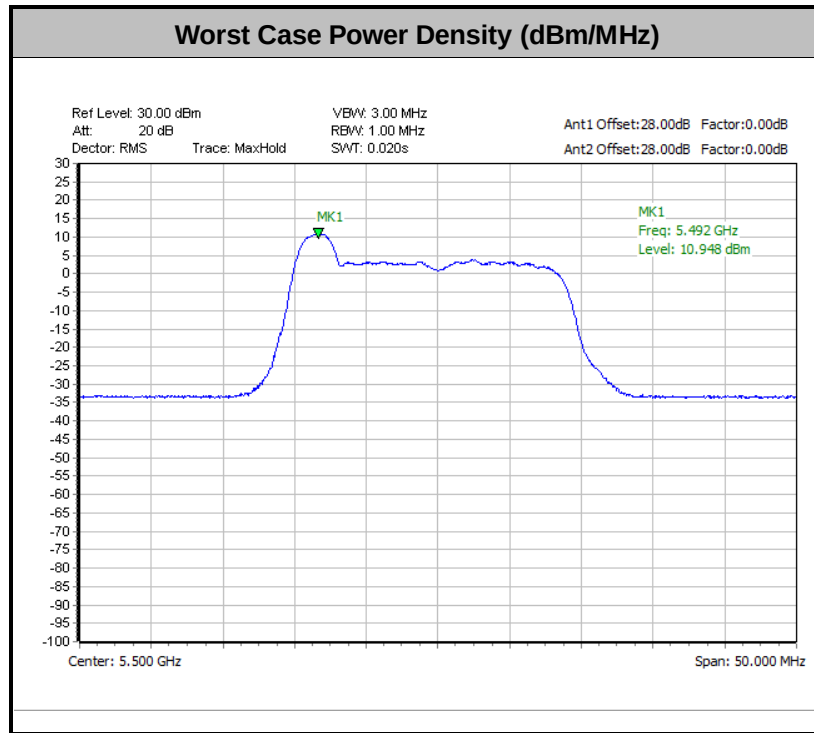


### 3.3.5 Test Result of Power Spectral Density

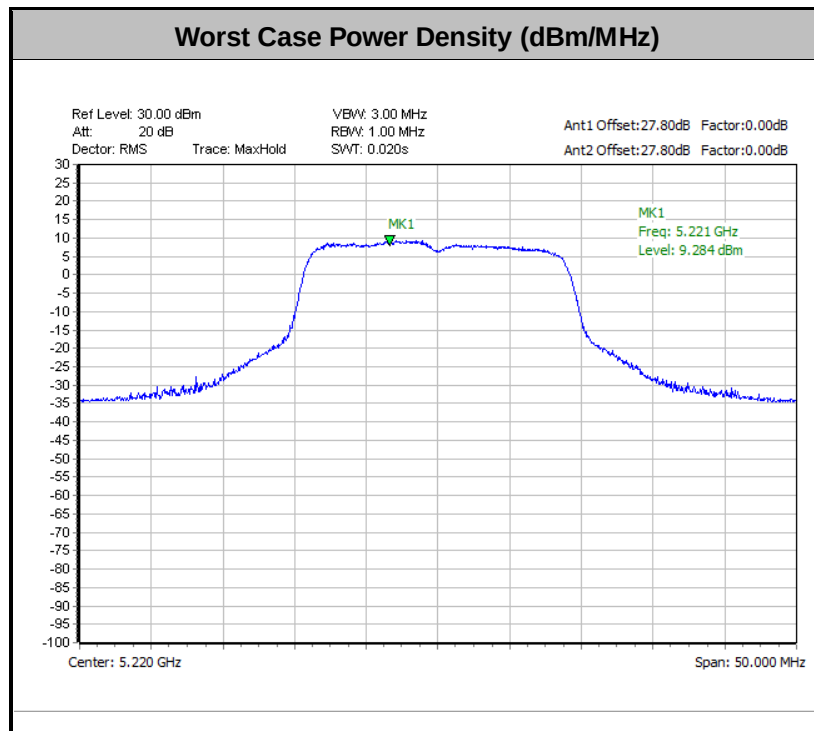
Please refer to Appendix A.



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

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

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



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

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

- (i) 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

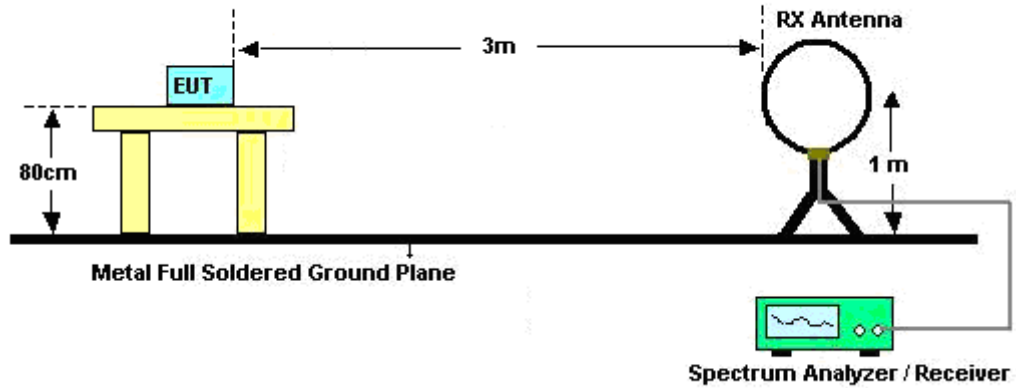
- RBW = 1 MHz
- VBW  $\geq$  3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

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

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

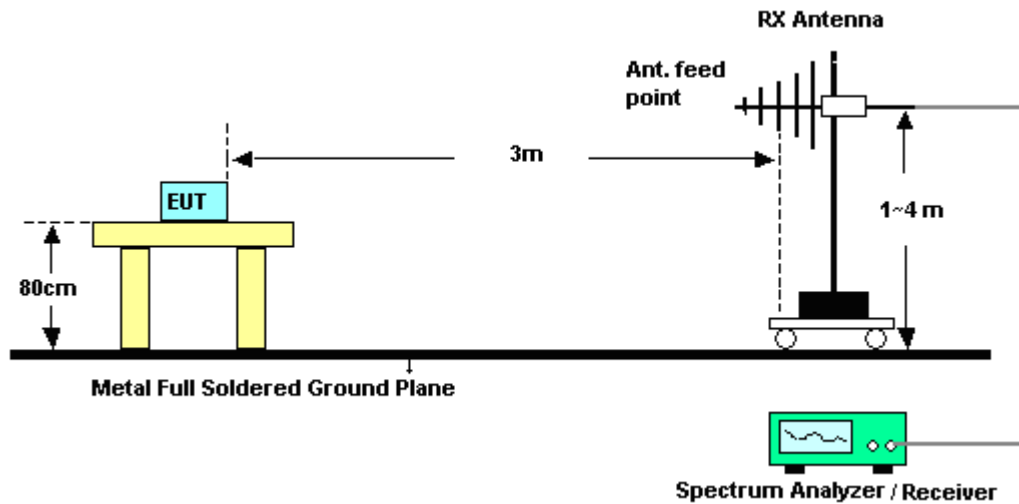
### 3.4.4 Test Setup

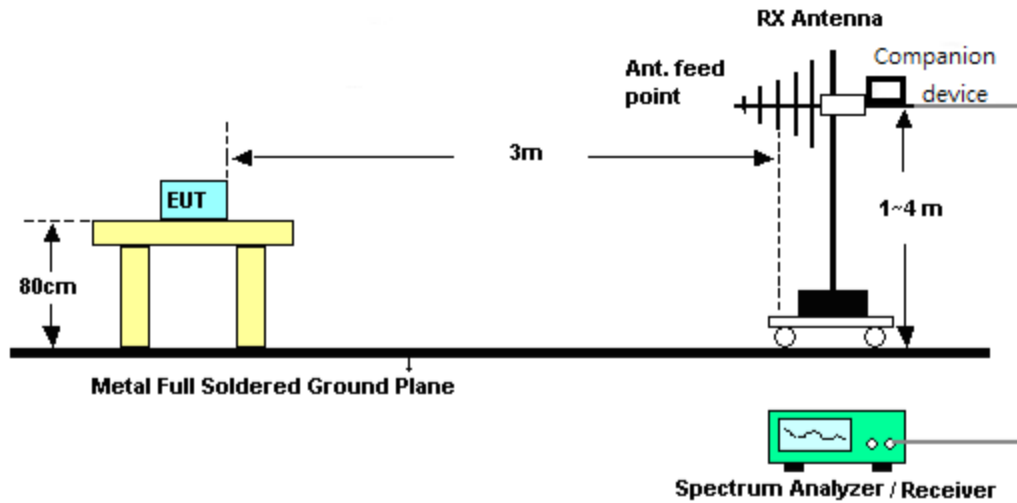
For radiated emissions below 30MHz



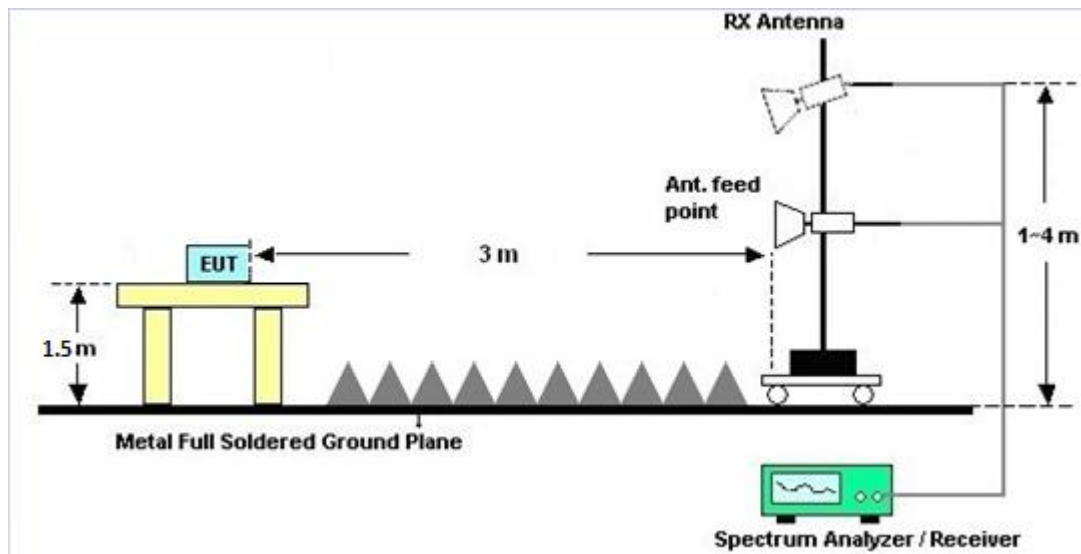
For radiated emissions from 30MHz to 1GHz

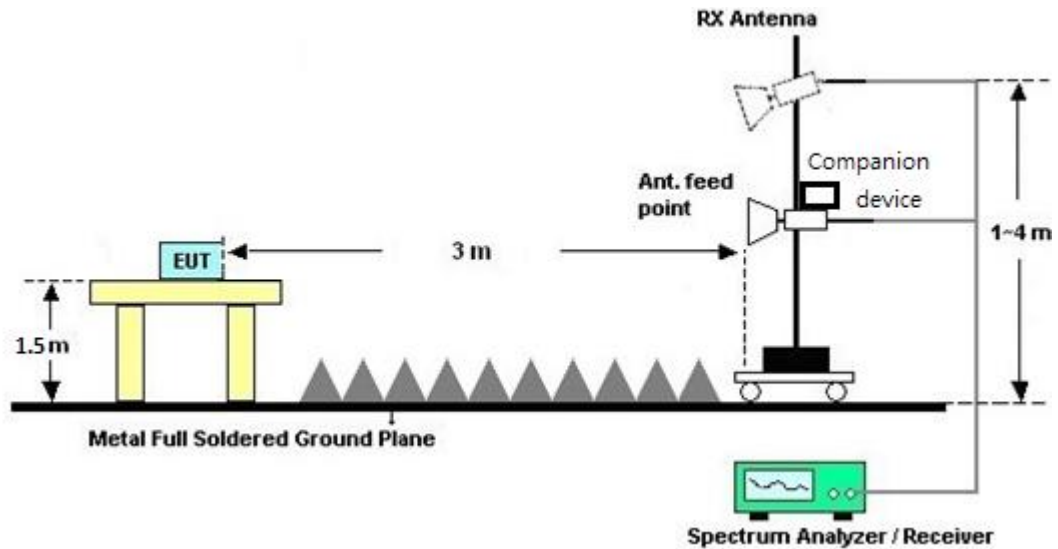
<CDD Mode>



**<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 (dBμV) |           |
|-----------------------------|------------------------|-----------|
|                             | Quasi-peak             | Average   |
| 0.15-0.5                    | 66 to 56*              | 56 to 46* |
| 0.5-5                       | 56                     | 46        |
| 5-30                        | 60                     | 50        |

\*Decreases with the logarithm of the frequency.

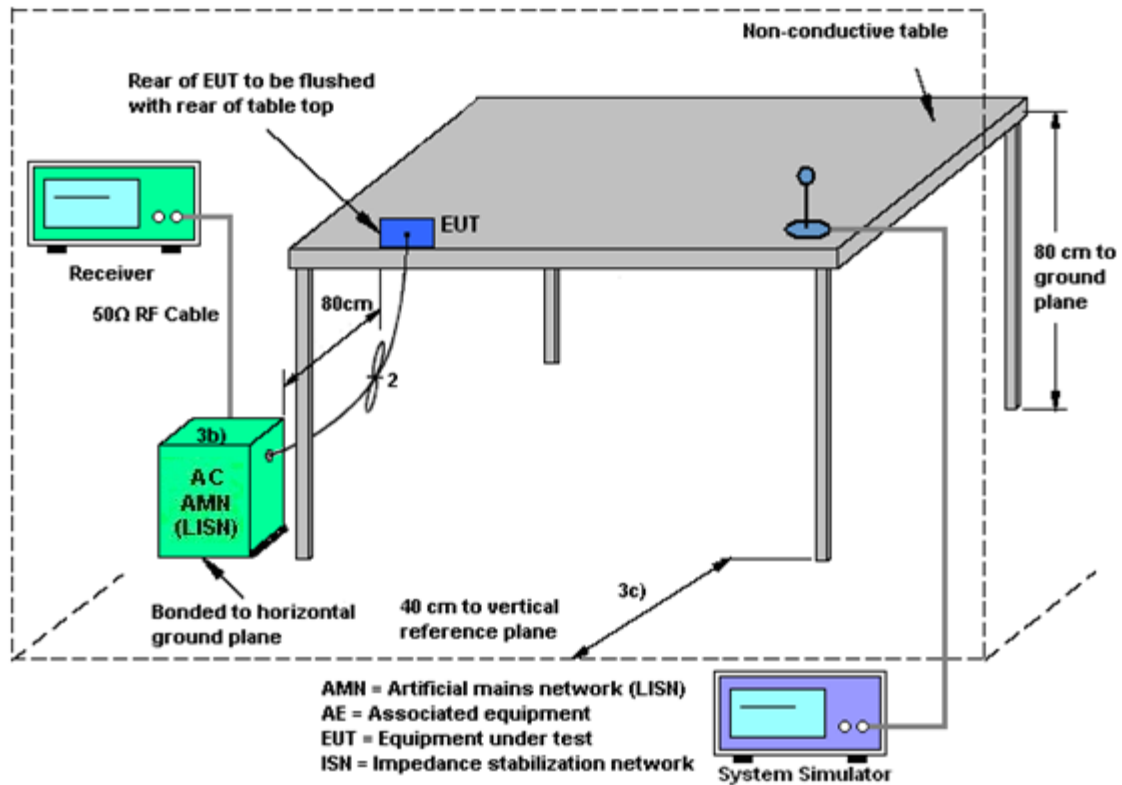
#### 3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

## 3.6 Automatically Discontinue Transmission

### 3.6.1 Limit of Automatically Discontinue Transmission

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

### 3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

### 3.6.3 Test Result of Automatically Discontinue Transmission

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

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

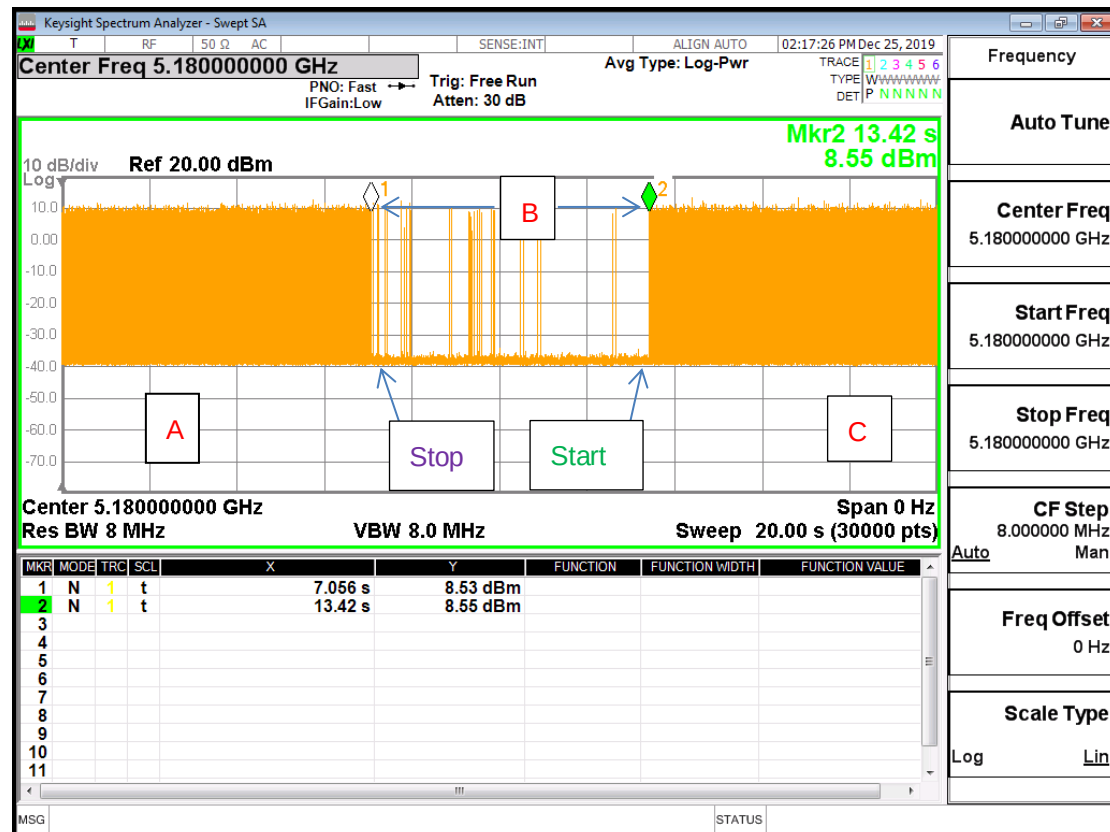
While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

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

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



5180MHz



Note : The control / 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 =  $10 \log(\text{NANT}/\text{NSS}=1)$  dB.

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

| <CDD Modes> |        |        |       |       |           |           |
|-------------|--------|--------|-------|-------|-----------|-----------|
|             |        |        | DG    | DG    | Power     | PSD       |
|             |        |        | for   | for   | Limit     | Limit     |
|             | Ant. 1 | Ant. 2 | Power | PSD   | Reduction | Reduction |
|             | (dBi)  | (dBi)  | (dBi) | (dBi) | (dB)      | (dB)      |
| 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<br>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<br>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                           |       | 1.50     |       | 30                     | Pass      |
| 11a               | 6Mbps     | 2   | 116 | 5580        | 17.90                         | 16.50 | 20.27 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| 11a               | 6Mbps     | 2   | 140 | 5700        | 16.20                         | 15.60 | 18.92 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HT20              | MCS0      | 2   | 100 | 5500        | 17.80                         | 16.10 | 20.04 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HT20              | MCS0      | 2   | 116 | 5580        | 18.10                         | 16.00 | 20.19 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HT20              | MCS0      | 2   | 140 | 5700        | 17.90                         | 16.40 | 20.22 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HT40              | MCS0      | 2   | 102 | 5510        | 17.70                         | 16.10 | 19.98 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HT40              | MCS0      | 2   | 110 | 5550        | 17.50                         | 15.80 | 19.74 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HT40              | MCS0      | 2   | 134 | 5670        | 17.40                         | 16.30 | 19.90 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 100 | 5500        | 17.90                         | 16.10 | 20.10 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 116 | 5580        | 18.20                         | 16.00 | 20.25 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 140 | 5700        | 18.00                         | 16.40 | 20.28 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT40             | MCS0      | 2   | 102 | 5510        | 17.80                         | 16.00 | 20.00 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT40             | MCS0      | 2   | 110 | 5550        | 17.90                         | 15.80 | 19.99 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT40             | MCS0      | 2   | 134 | 5670        | 17.70                         | 16.00 | 19.94 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT80             | MCS0      | 2   | 106 | 5530        | 16.10                         | 16.40 | 19.26 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| VHT80             | MCS0      | 2   | 122 | 5610        | 17.50                         | 16.50 | 20.04 | 23.98                           |       | 1.50     |       | 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 I 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                           |       | 1.50     |       | Pass      |
| HE20            | MCS0      | 2   | 36  | 5180        | 26/0      | 10.60                         | 9.50  | 13.10 | 24.00                           |       | 1.50     |       | Pass      |
| HE20            | MCS0      | 2   | 36  | 5180        | 52/37     | 12.30                         | 11.40 | 14.88 | 24.00                           |       | 1.50     |       | Pass      |
| HE20            | MCS0      | 2   | 36  | 5180        | 106/53    | 15.50                         | 15.80 | 18.66 | 24.00                           |       | 1.50     |       | Pass      |
| HE20            | MCS0      | 2   | 44  | 5220        | Full      | 17.80                         | 16.00 | 20.00 | 24.00                           |       | 1.50     |       | Pass      |
| HE20            | MCS0      | 2   | 48  | 5240        | Full      | 17.60                         | 15.90 | 19.84 | 24.00                           |       | 1.50     |       | Pass      |
| HE40            | MCS0      | 2   | 38  | 5190        | Full      | 15.90                         | 14.30 | 18.18 | 24.00                           |       | 1.50     |       | Pass      |
| HE40            | MCS0      | 2   | 38  | 5190        | 242/61    | 15.90                         | 14.20 | 18.14 | 24.00                           |       | 1.50     |       | Pass      |
| HE40            | MCS0      | 2   | 46  | 5230        | Full      | 17.50                         | 16.30 | 19.95 | 24.00                           |       | 1.50     |       | Pass      |
| HE80            | MCS0      | 2   | 42  | 5210        | Full      | 15.30                         | 14.30 | 17.84 | 24.00                           |       | 1.50     |       | Pass      |
| HE80            | MCS0      | 2   | 42  | 5210        | 484/65    | 14.90                         | 14.10 | 17.53 | 24.00                           |       | 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                           |       | 1.50     |       | 30                     | Pass      |
| HE20             | MCS0      | 2   | 60  | 5300        | Full      | 17.40                         | 16.40 | 19.94 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE20             | MCS0      | 2   | 64  | 5320        | Full      | 17.30                         | 15.90 | 19.67 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE20             | MCS0      | 2   | 64  | 5320        | 26/8      | 10.30                         | 9.30  | 12.84 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE20             | MCS0      | 2   | 64  | 5320        | 52/40     | 12.60                         | 11.50 | 15.10 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE20             | MCS0      | 2   | 64  | 5320        | 106/54    | 15.30                         | 14.30 | 17.84 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE40             | MCS0      | 2   | 54  | 5270        | Full      | 17.50                         | 16.20 | 19.91 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE40             | MCS0      | 2   | 54  | 5270        | 242/62    | 17.40                         | 16.00 | 19.77 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE40             | MCS0      | 2   | 62  | 5310        | Full      | 16.10                         | 14.80 | 18.51 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE40             | MCS0      | 2   | 62  | 5310        | 242/62    | 15.90                         | 14.70 | 18.35 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE80             | MCS0      | 2   | 58  | 5290        | Full      | 14.70                         | 14.60 | 17.66 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE80             | MCS0      | 2   | 58  | 5290        | 484/66    | 14.60                         | 14.50 | 17.56 | 23.98                           |       | 1.50     |       | 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 | Ntx | 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                           |       | 1.50     |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 100 | 5500        | 26/0      | 10.60                         | 8.90  | 12.84 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 100 | 5500        | 52/37     | 12.90                         | 11.30 | 15.18 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 100 | 5500        | 106/53    | 15.90                         | 14.30 | 18.18 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 116 | 5580        | Full      | 18.20                         | 15.90 | 20.21 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | Full      | 17.20                         | 15.60 | 19.48 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | 26/8      | 10.40                         | 9.40  | 12.94 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | 52/40     | 13.00                         | 11.60 | 15.37 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | 106/54    | 15.60                         | 13.80 | 17.80 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE40              | MCS0      | 2   | 102 | 5510        | Full      | 17.20                         | 15.50 | 19.44 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE40              | MCS0      | 2   | 102 | 5510        | 242/61    | 17.90                         | 16.00 | 20.06 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE40              | MCS0      | 2   | 110 | 5550        | Full      | 18.00                         | 15.80 | 20.05 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE40              | MCS0      | 2   | 134 | 5670        | Full      | 17.60                         | 16.30 | 20.01 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE40              | MCS0      | 2   | 134 | 5670        | 242/62    | 17.60                         | 16.30 | 20.01 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE80              | MCS0      | 2   | 106 | 5530        | Full      | 16.40                         | 16.00 | 19.21 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE80              | MCS0      | 2   | 106 | 5530        | 484/65    | 16.60                         | 15.50 | 19.10 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE80              | MCS0      | 2   | 122 | 5610        | Full      | 17.40                         | 16.40 | 19.94 | 23.98                           |       | 1.50     |       | 30                     | Pass      |
| HE80              | MCS0      | 2   | 122 | 5610        | 484/66    | 17.30                         | 16.30 | 19.84 | 23.98                           |       | 1.50     |       | 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     |       |      |            |

## &lt;TXBF Mode&gt;

|                |                     |                    |       |    |
|----------------|---------------------|--------------------|-------|----|
| 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                             |       |      |
| VHT20       | MCS0      | 2   | 44  | 5220        | 17.78               | 17.68 | 25.38                 | 26.27 | -                                  |       | 22.48                             |       |      |
| VHT20       | MCS0      | 2   | 48  | 5240        | 17.73               | 17.88 | 24.33                 | 26.82 | -                                  |       | 22.49                             |       |      |
| VHT40       | MCS0      | 2   | 38  | 5190        | 36.66               | 36.96 | 43.43                 | 44.33 | -                                  |       | 23.01                             |       |      |
| VHT40       | MCS0      | 2   | 46  | 5230        | 36.66               | 36.66 | 42.62                 | 43.70 | -                                  |       | 23.01                             |       |      |
| VHT80       | MCS0      | 2   | 42  | 5210        | 77.80               | 76.96 | 81.52                 | 81.68 | -                                  |       | 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 I 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                           |       | 4.41     |       | Pass      |
| HE20            | MCS0      | 2   | 44  | 5220        | Full      | 16.30                         | 15.60 | 18.97 | 24.00                           |       | 4.41     |       | Pass      |
| HE20            | MCS0      | 2   | 48  | 5240        | Full      | 16.40                         | 15.80 | 19.12 | 24.00                           |       | 4.41     |       | Pass      |
| HE40            | MCS0      | 2   | 38  | 5190        | Full      | 16.50                         | 15.80 | 19.17 | 24.00                           |       | 4.41     |       | Pass      |
| HE40            | MCS0      | 2   | 46  | 5230        | Full      | 16.40                         | 15.80 | 19.12 | 24.00                           |       | 4.41     |       | Pass      |
| HE80            | MCS0      | 2   | 42  | 5210        | Full      | 16.50                         | 15.40 | 19.00 | 24.00                           |       | 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 |            |



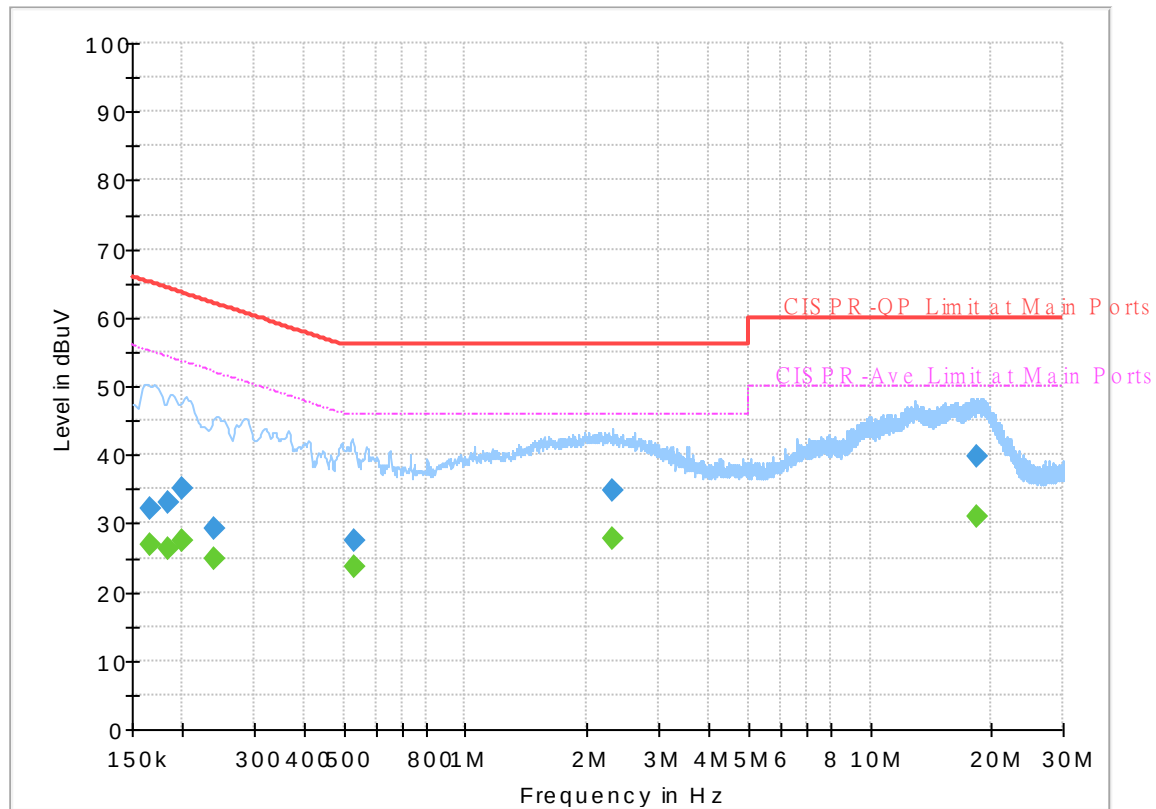
## **Appendix B. AC Conducted Emission Test Results**

|                        |         |                            |        |
|------------------------|---------|----------------------------|--------|
| <b>Test Engineer :</b> | Tom Lee | <b>Temperature :</b>       | 21~24℃ |
|                        |         | <b>Relative Humidity :</b> | 42~45% |

## EUT Information

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

Full Spectrum



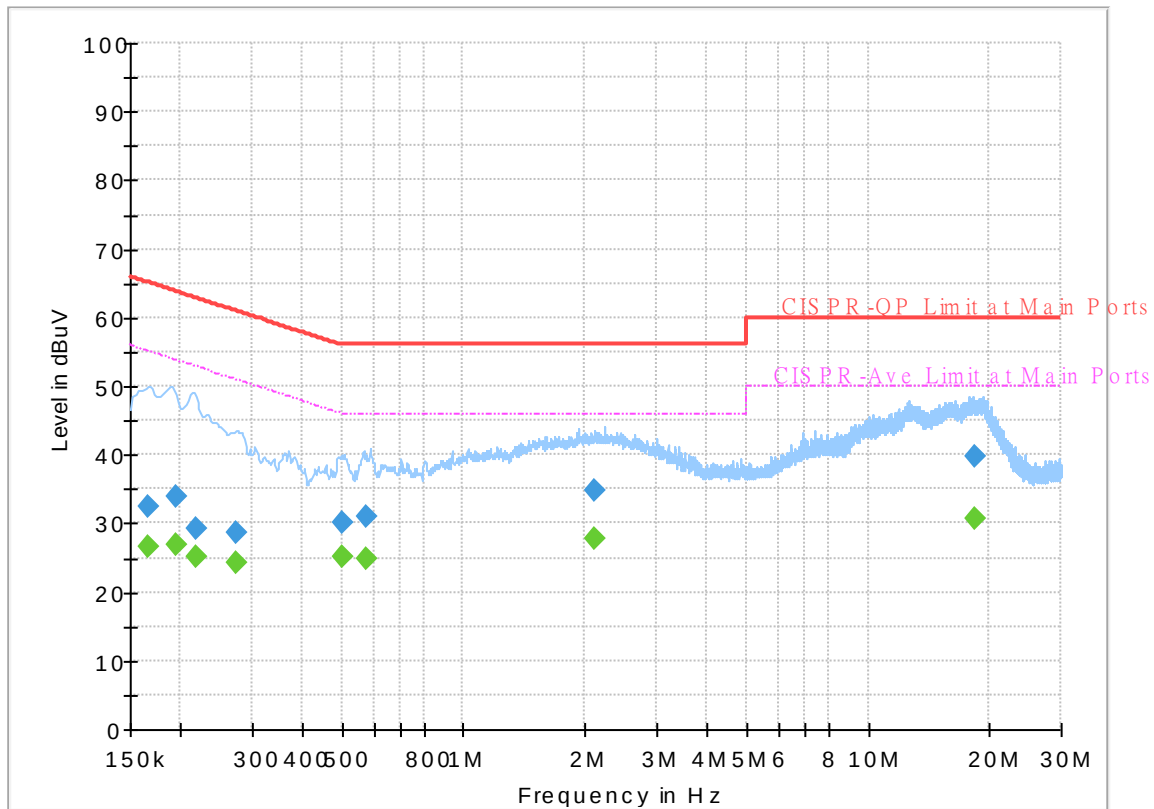
## Final\_Result

| 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%  |

&lt;CDD Mode&gt;

## Band 1 - 5150~5250MHz

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

| WIFI Ant.                   | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-----------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|---------|
| 1+2                         |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<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</b><br><b>CH 48</b><br><b>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 |
| Remark                                           | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



**Band 1 5150~5250MHz**

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

| WIFI<br>Ant.<br>1+2         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 36<br>5180MHz |                                                                                             | 10360                | 45.98               | -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               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>1+2                   | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 36<br>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<br>VHT20<br>CH 44<br>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><b>VHT20</b><br><b>CH 48</b><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<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 36<br>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               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 44<br>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               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 48<br>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               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 38<br>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<br>VHT40<br>CH 46<br>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               |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>1+2                   | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>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               |
|                                       |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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               |
|                                       |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT80<br>CH 42<br>5210MHz |                                                                                             | 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             |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

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

| WIFI<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT80<br>CH 42<br>5210MHz |                                                                                             | 10420                | 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             |
| Remark                                | 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)

[illegible]



## 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><b>HE20</b><br><b>CH 48</b><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<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<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               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE40<br>CH 38<br>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<br>HE40<br>CH 46<br>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<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<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             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | 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             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | 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 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>CH 42<br>5210MHz |                                                                                             | 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             |
| 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 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>CH 42<br>5210MHz |                                                                                             | 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             |
|                                      |                                                                                             | 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             |
| 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 26/0) (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                             | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>26/0 RU<br>CH 36<br>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             |
| 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 52/37) (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>52/37 RU<br>CH 36<br>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<br>Ant.<br>1+2                               | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>106/53 RU<br>CH 36<br>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             |
| 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 (Partial RU 242/61) (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                               | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>242/61 RU<br>CH 38<br>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<br>Ant.<br>1+2                               | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>484/65 RU<br>CH 42<br>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                                            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



&lt;TXBF Mode&gt;

## 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<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 36<br>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               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 44<br>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               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 48<br>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               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 38<br>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<br>VHT40<br>CH 46<br>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               |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>1+2                   | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>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               |
|                                       |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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               |
|                                       |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT80<br>CH 42<br>5210MHz |                                                                                             | 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             |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

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

| WIFI<br>Ant.<br>1+2                   | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT80<br>CH 42<br>5210MHz |                                                              | 10420                | 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             |
| Remark                                | 1. No other spurious found.                                  |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
|                                       | 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       |
|                                      |      | 5144.3    | 55.97      | -18.03 | 74         | 44.59    | 32       | 6.08   | 26.7   | 100    | 247     | P       | V       |
|                                      |      | 5150      | 43.4       | -10.6  | 54         | 32.02    | 32       | 6.08   | 26.7   | 100    | 247     | A       | V       |
|                                      | *    | 5180      | 102.64     | -      | -          | 91.42    | 31.82    | 6.1    | 26.7   | 100    | 247     | P       | V       |
|                                      | *    | 5180      | 92.46      | -      | -          | 81.24    | 31.82    | 6.1    | 26.7   | 100    | 247     | A       | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |
| 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       |
|                                      |      | 5450.48   | 51.06      | -22.94 | 74         | 39.78    | 31.8     | 6.17   | 26.69  | 120    | 258     | P       | H       |
|                                      |      | 5459.72   | 41.3       | -12.7  | 54         | 29.99    | 31.82    | 6.18   | 26.69  | 120    | 258     | A       | H       |
|                                      |      | 5042.38   | 52.46      | -21.54 | 74         | 41.38    | 31.77    | 6.02   | 26.71  | 100    | 239     | P       | V       |
|                                      |      | 5101.4    | 42.23      | -11.77 | 54         | 30.88    | 32       | 6.06   | 26.71  | 100    | 239     | A       | V       |
|                                      | *    | 5220      | 102.66     | -      | -          | 91.67    | 31.58    | 6.11   | 26.7   | 100    | 239     | P       | V       |
|                                      | *    | 5220      | 91.57      | -      | -          | 80.58    | 31.58    | 6.11   | 26.7   | 100    | 239     | A       | V       |
|                                      |      | 5395.04   | 51.51      | -22.49 | 74         | 40.5     | 31.58    | 6.12   | 26.69  | 100    | 239     | P       | V       |
|                                      |      | 5460      | 41.29      | -12.71 | 54         | 29.98    | 31.82    | 6.18   | 26.69  | 100    | 239     | A       | V       |



|                                                                  |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11ax</b><br><b>HE20</b><br><b>CH 48</b><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<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<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             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | 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             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | 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             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | 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 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>CH 38<br>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<br>HE40<br>CH 46<br>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             |
| 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<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<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               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>CH 42<br>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             |
| 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 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+2                  | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<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             |
| Remark                               | 1. No other spurious found.                                  |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
|                                      | 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><br>HE80<br><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     |
|                                |                                                                            | 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     |       |
| Remark                         | 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%  |

&lt;CDD Mode&gt;

## 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<br>Ant.<br>1           | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 52<br>5260MHz |                                                                                             | 10520                | 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               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>1                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 52<br>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<br>VHT20<br>CH 60<br>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<br>Ant.<br>1                     | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>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               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>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               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>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               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>1                     | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 54<br>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<br>VHT40<br>CH 62<br>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               |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>1                     | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 54<br>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               |
|                                       |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT40<br>CH 62<br>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               |
|                                       |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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<br>Ant.<br>1                     | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT80<br>CH 58<br>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             |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

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

| WIFI<br>Ant.<br>1                     | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT80<br>CH 58<br>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             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 3 - 5470~5725MHz

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

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1                            |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 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<br/>CH 140<br/>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<br>Ant.<br>1            | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 100<br>5500MHz |                                                                                             | 11000                | 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               |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



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

| WIFI<br>Ant.<br>1                      | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 100<br>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<br>VHT20<br>CH 116<br>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<br/>VHT20<br/>CH 140<br/>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.                                  |         |        |       |      |       |       |       |       |     |     |   |   |
|                                                  | 2. All results are PASS against Peak and Average limit line. |         |        |       |      |       |       |       |       |     |     |   |   |



## Band 3 - 5470~5725MHz

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

| WIFI<br>Ant.<br>1                      | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 100<br>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               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 116<br>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               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 140<br>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               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



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

| WIFI<br>Ant.<br>1                                | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11ac<br/>VHT40<br/>CH 102<br/>5510MHz</b> |      | 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               |
| <b>802.11ac<br/>VHT40<br/>CH 110<br/>5550MHz</b> |      | 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<br>Ant.<br>1                      | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 102<br>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               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT40<br>CH 110<br>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               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT40<br>CH 134<br>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               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 3 5470~5725MHz

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

| WIFI<br>Ant.<br>1                      | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 106<br>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<br>VHT80<br>CH 122<br>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               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 3 5470~5725MHz

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

| WIFI<br>Ant.<br>1                      | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 106<br>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               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT80<br>CH 122<br>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               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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<br>Ant.<br>1+2                               | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20<br>(Full RU)<br>CH 52<br>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               |
|                                                   |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20<br>(Full RU)<br>CH 60<br>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               |
|                                                   |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20<br>(Full RU)<br>CH 64<br>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               |
|                                                   |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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) (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                               | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE40<br>(Full RU)<br>CH 54<br>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<br>HE40<br>(Full RU)<br>CH 62<br>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<br>Ant.<br>1+2                               | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<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               |
|                                                   |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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               |
|                                                   |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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<br>Ant.<br>1+2                               | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>(Full RU)<br>CH 58<br>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                                            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

**Band 2 5250~5350MHz****WIFI 802.11ax HE80 (Full RU) (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+2                                          | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11ax<br/>HE80<br/>(Full RU)<br/>CH 58<br/>5290MHz</b> |                                                                                             | 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<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>CH 64<br>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             |
| 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 HE20 (Partial 52 40RU) (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                  | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>CH 64<br>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.                                  |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
|                                      | 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<br>Ant.<br>1+2                  | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<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             |
| Remark                               | 5. No other spurious found.                                  |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
|                                      | 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<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE40<br>CH 54<br>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<br>HE40<br>CH 62<br>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                               | 3. No other spurious found.<br>4. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>CH 58<br>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<br>Ant.<br>1+2                                | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20<br>(Full RU)<br>CH 100<br>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<br>HE20<br>(Full RU)<br>CH 116<br>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<br>Ant.<br>1+2                                | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>(Full RU)<br>CH 100<br>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             |
|                                                    |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                    |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11ax<br>HE20<br>(Full RU)<br>CH 116<br>5580MHz |                                                                                             | 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             |
|                                                    |                                                                                             | 11160                | 45.76               | -28.24                  | 74                          | 52.72                   | 39.48                         | 16.99                  | 63.43                      | 100                  | 0                       | P                     | V             |
|                                                    |                                                                                             | 16740                | 45.44               | -22.76                  | 68.2                        | 46.71                   | 39.38                         | 21.51                  | 62.16                      | 100                  | 0                       | P                     | V             |
|                                                    |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                    |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11ax<br>HE20<br>(Full RU)<br>CH 140<br>5700MHz |                                                                                             | 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             |
|                                                    |                                                                                             | 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             |
| 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) (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                                | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE40<br>(Full RU)<br>CH 102<br>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<br>HE40<br>(Full RU)<br>CH 110<br>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<br/>HE40<br/>(Full RU)<br/>CH 134<br/>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<br>Ant.<br>1+2                                | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>(Full RU)<br>CH 106<br>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                     | 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 (Full RU) (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+2                                | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>(Full RU)<br>CH 106<br>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<br>Ant.<br>1+2                                | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE40<br>(Full RU)<br>CH 102<br>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               |
|                                                    |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE40<br>(Full RU)<br>CH 110<br>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               |
|                                                    |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE40<br>(Full RU)<br>CH 134<br>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               |
|                                                    |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | 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 ORU) (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>CH 100<br>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<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>CH 140<br>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             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | 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 52 37RU) (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                             | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11ax<br/>HE20<br/>CH 100<br/>5500MHz</b> |                                                                                             | 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>                                   | 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 40RU) (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                   | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>CH 140<br>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             |
| 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 106 53RU) (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>CH 100<br>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                                | 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 106 54RU) (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                   | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>CH 140<br>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             |
| Remark                                | 1. No other spurious found.                                  |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
|                                       | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 3 - 5470~5725MHz

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

| WIFI<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE40<br>CH 102<br>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                       | 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 (Partial 242 62RU) (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>CH 134<br>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<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE80<br>CH 106<br>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<br>HE80<br>CH 122<br>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<br>Ant.<br>1                                | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11ac<br/>VHT80<br/>CH 122<br/>5610MHz</b> |                                                                                             | 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             |
| <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 HE20 (Full RU) (LF @ 3m)**

| WIFI                                            | Note                                                                       | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                            |                                                                            | ( MHz )   | ( dBμV/m ) | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2                                             |                                                                            |           |            | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ax<br><br>HE20<br><br>(full RU)<br><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     |
|                                                 |                                                                            | 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     |       |
|                                                 |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
| Remark                                          | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



**Note symbol**

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



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”.



&lt;WPC Mode&gt;

## 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 | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1                                                                                                                                                           |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 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     |
|                                                                                                                                                             |      |           |            |            |            |            |                |           |                |         |           |           | 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 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1                      | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 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             |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

## Emission below 1GHz

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

[illegible]



## 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

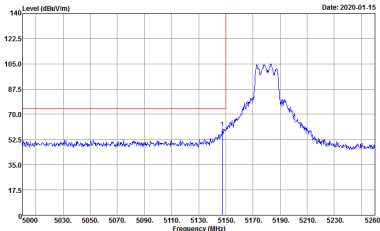
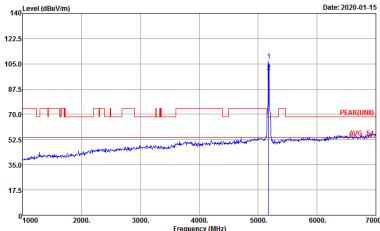
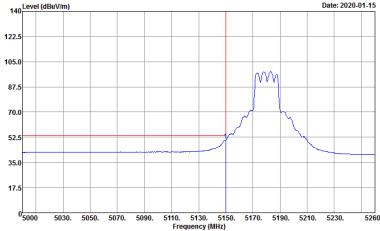
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |



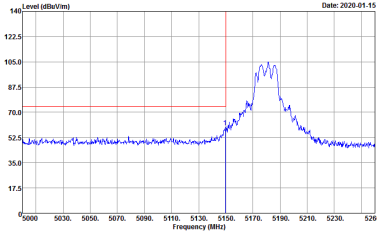
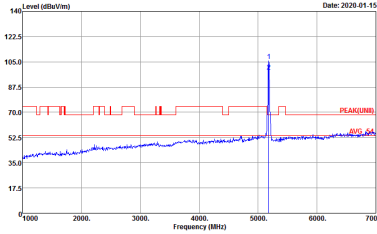
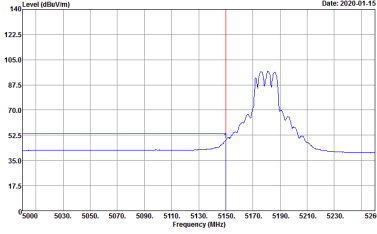
## &lt;CDD Mode&gt;

## Band 1 - 5150~5250MHz

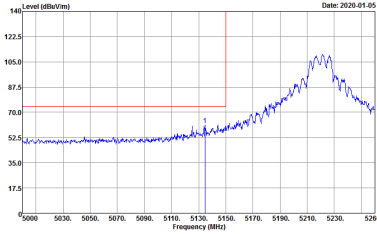
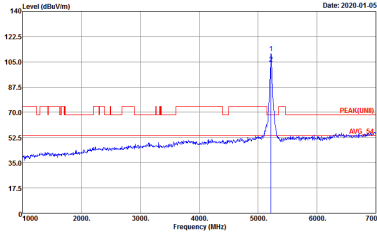
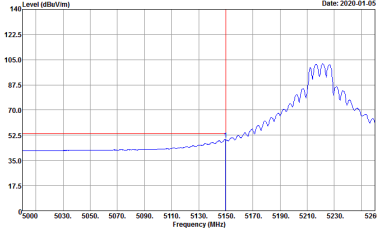
## WIFI 802.11a (Band Edge @ 3m)

| 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 : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Peak<br/>Project : 900635<br/>Mode : 1<br/>Setting : 19.5</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Peak<br/>Project : 900635<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 : RBW:1000.000KHz VBW:0.0100KHz SWT:Auto<br/>Peak<br/>Project : 900635<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                                                                                                                                                                                                                                                                             |
| 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 : 900635<br/>Mode : 1<br/>Setting : 19.5</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 1<br/>Setting : 19.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 1<br/>Setting : 19.5</p> | Left blank                                                                                                                                                                                                                                                                              |

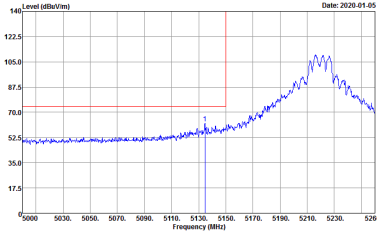
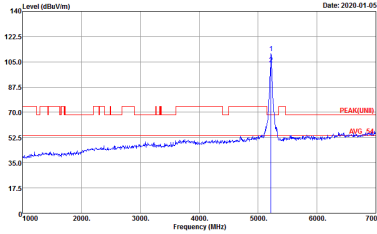
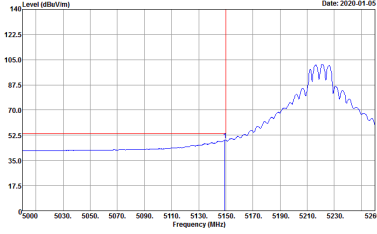


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - 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(UNII) 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                                                                                                                                                                                                                                                |

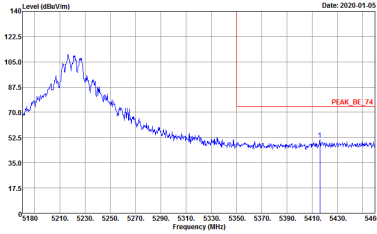
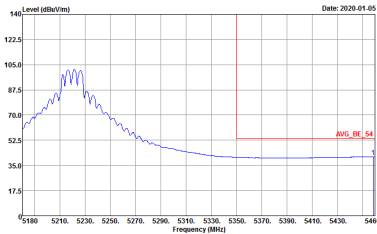


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------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

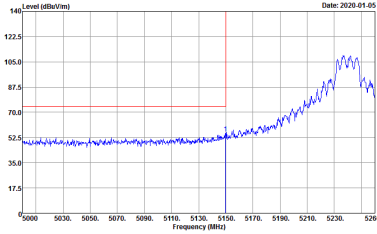
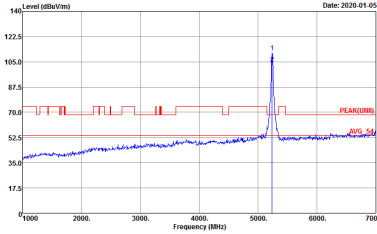
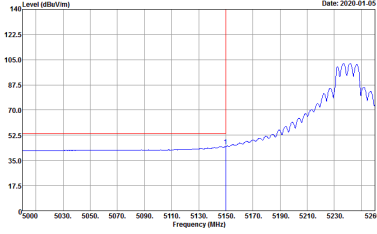


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |                                          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

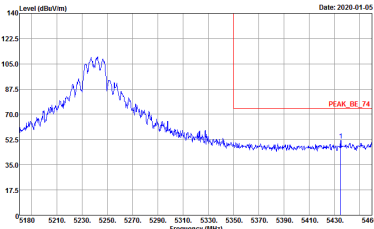
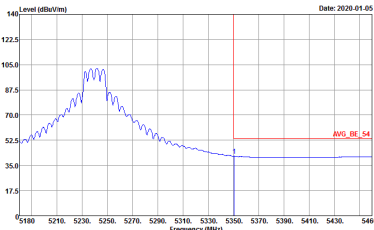


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                                |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH13-HV<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>  | Left blank  |
| Avg. |  <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635</p> | Left blank  |

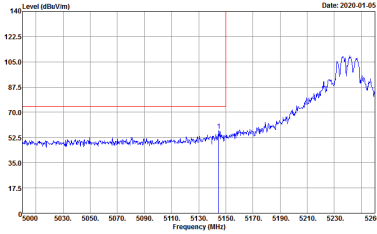
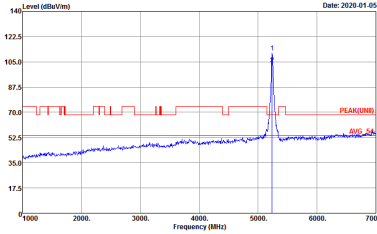
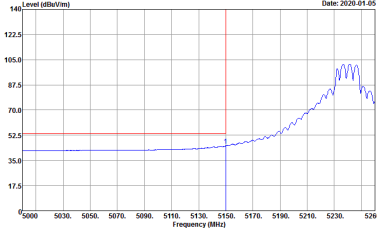


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                        |                                        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

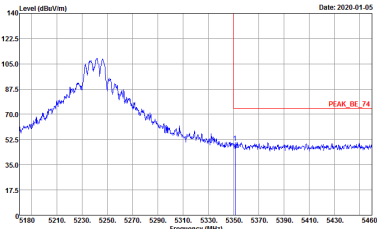
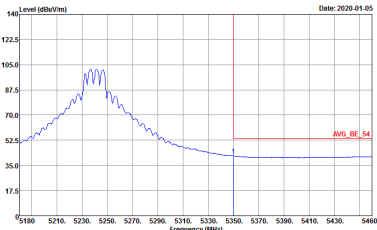


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                  |             |
|------|-----------------------------------------------------------------------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



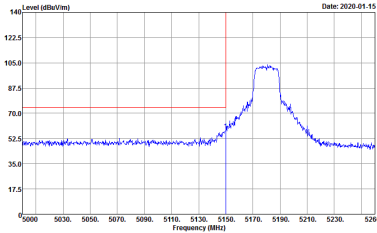
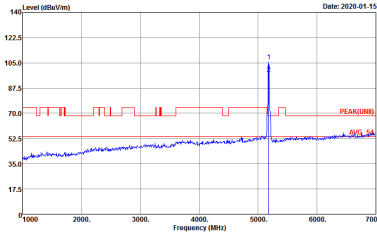
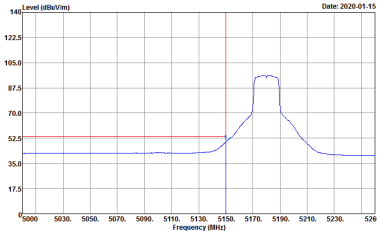
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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(UNII) 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:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635</p> | Left blank                                                                                                                                                                                                                                              |



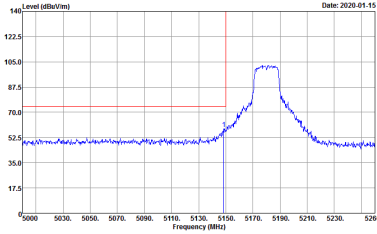
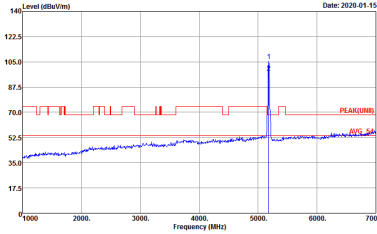
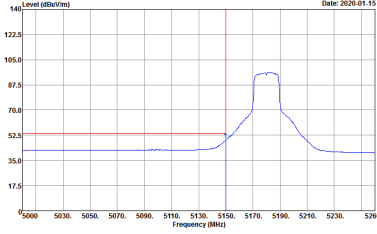
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------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



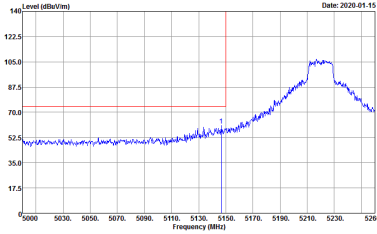
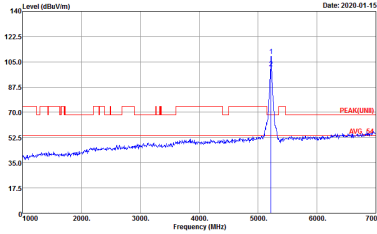
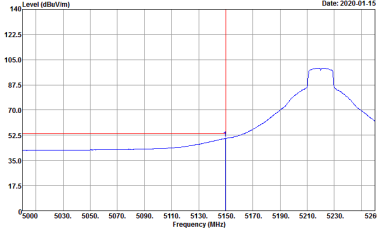
Band 1 5150~5250MHz  
WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH36 5180MHz                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                           |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                                               |
| 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<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> |
| 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<br/>Mode : 4<br/>Setting : 19.5</p> | Left blank                                                                                                                                                                                                                                                                                |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH36 5180MHz                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                         |
| 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 : 900635<br/>Mode : 4<br/>Setting : 19.5</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 4<br/>Setting : 19.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 4<br/>Setting : 19.5</p> | Left blank                                                                                                                                                                                                                                                                              |

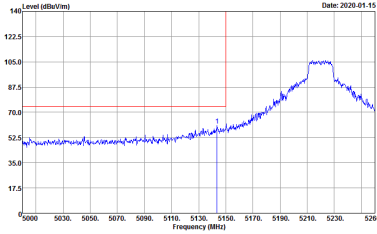
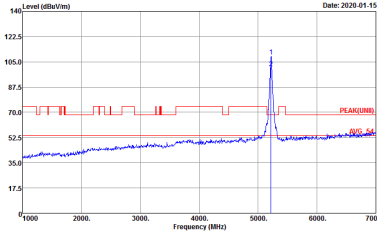
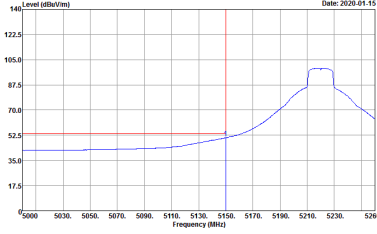


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH44 5220MHz - L                                                                                                                                                                                                              |                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<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 : 900635<br/>Mode : 5<br/>Setting : 23.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 5<br/>Setting : 23.5</p> | Left blank                                                                                                                                                                                                                                   |

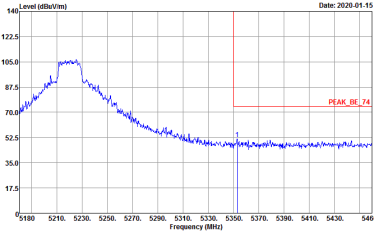
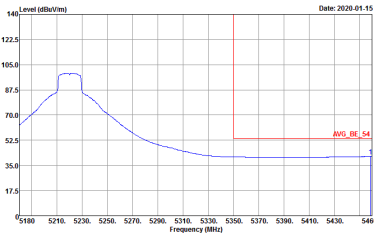


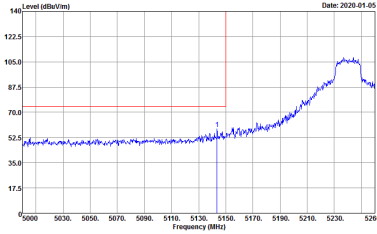
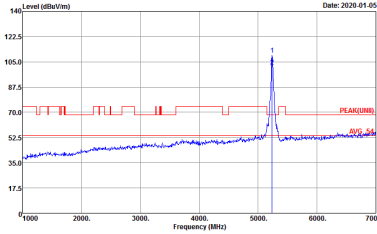
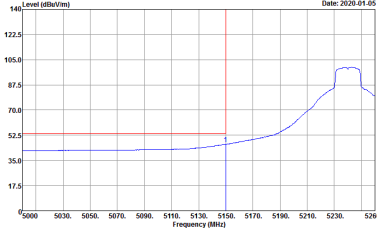
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                        |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 CH44 5220MHz - R                                                                                                                           |             |
| 1+2  | Horizontal                                                                                                                                                | Fundamental |
| Peak | <p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 5<br/>Setting : 23.5</p> | Left blank  |
| Avg. | <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 5<br/>Setting : 23.5</p>  | Left blank  |



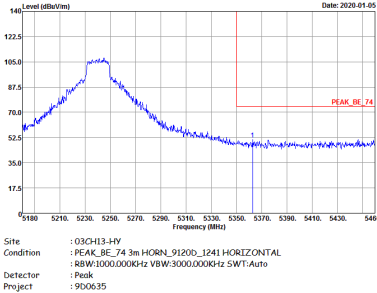
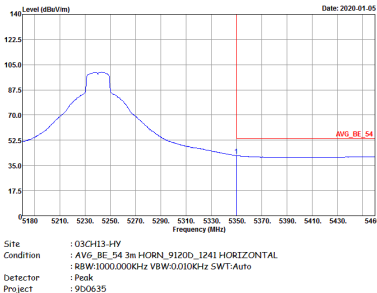
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 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 : 900635<br/>Mode : 5<br/>Setting : 23.5</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 5<br/>Setting : 23.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 5<br/>Setting : 23.5</p> | Left blank                                                                                                                                                                                                                                 |



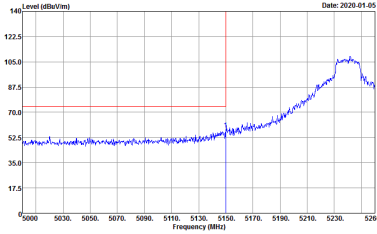
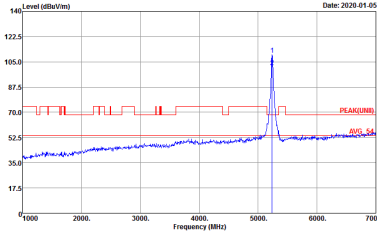
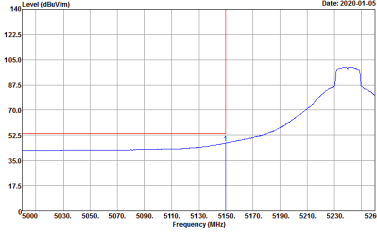
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                   |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 CH44 5220MHz - R                                                                                                                                                                                                                      |             |
| 1+2  | Vertical                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 5<br/>Setting : 23.5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 5<br/>Setting : 23.5</p></div> | Left blank  |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 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(UNII) 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                                                                                                                                                                                                                                                |

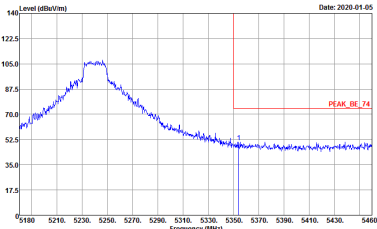
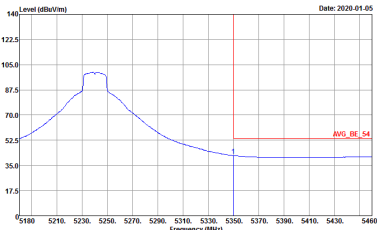


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                        |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 CH48 5240MHz - R                                                                                                                                                                                                                           |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635</p>  | Left blank  |
| Avg. |  <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635</p> | Left blank  |



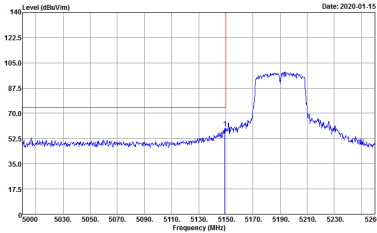
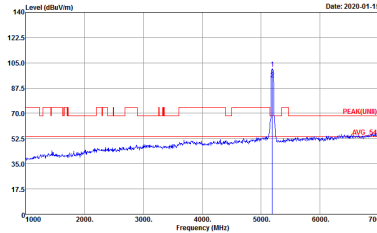
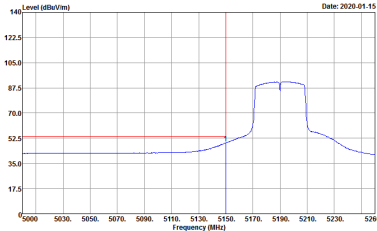
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |                                          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



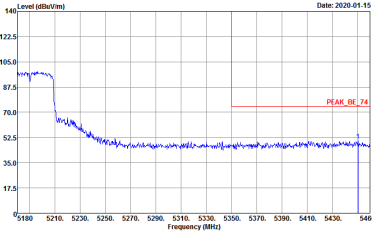
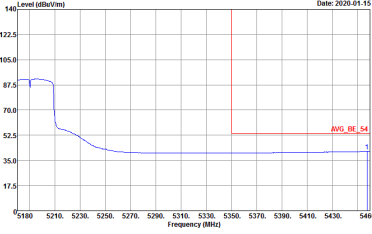
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 CH48 5240MHz - R                                                                                                                                                                                                                                   |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                          | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<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></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635</p></div> | Left blank  |



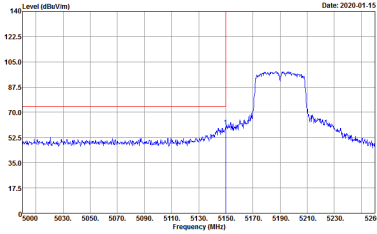
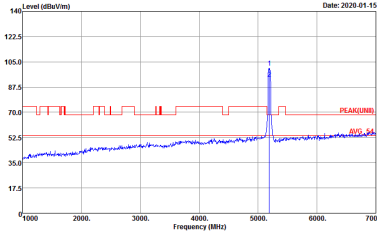
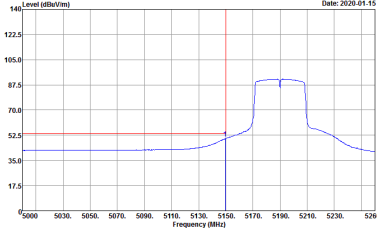
Band 1 5150~5250MHz  
WIFI 802.11ac VHT40 (Band Edge @ 3m)

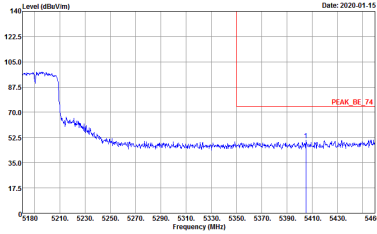
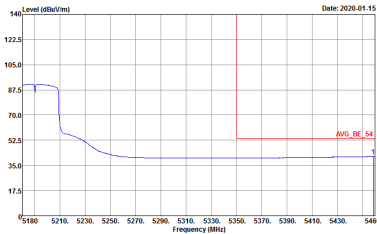
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                      |          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



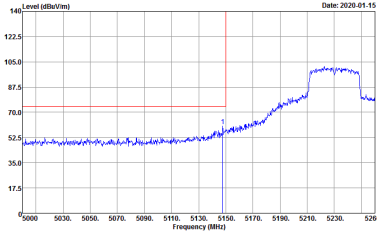
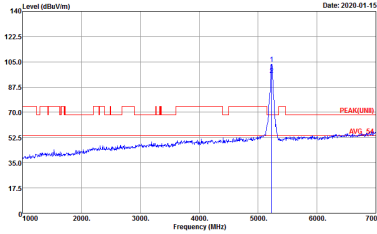
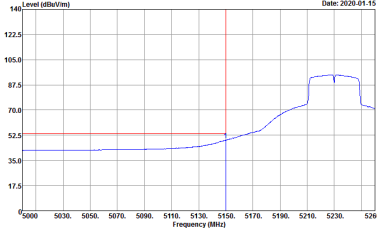
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                   |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT40 CH38 5190MHz - R                                                                                                                                                                                                                      |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 7<br/>Setting : 17.5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 7<br/>Setting : 17.5</p></div> | Left blank  |



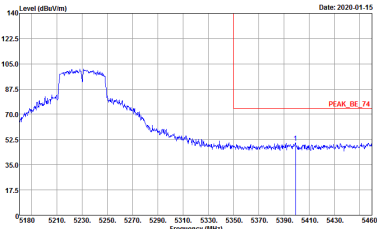
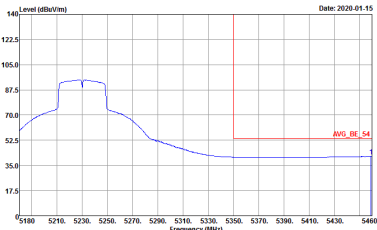
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH38 5190MHz - L                                                                                                                                                                                                              |                                                                                                                                                                                                                                              |
| 1+2  | Vertical                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 7<br/>Setting : 17.5</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 7<br/>Setting : 17.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<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 |
| <b>Peak</b> |  <p>           Site : 03CH13-HV<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Mode : 7<br/>           Setting : 17.5         </p>  | Left blank  |
| <b>Avg.</b> |  <p>           Site : 03CH13-HV<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Mode : 7<br/>           Setting : 17.5         </p> | Left blank  |

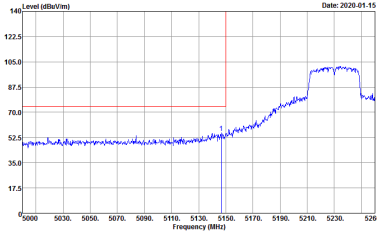
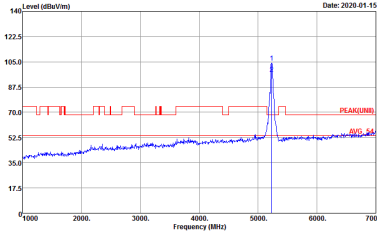
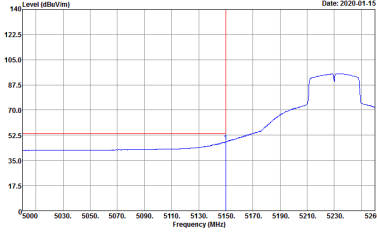


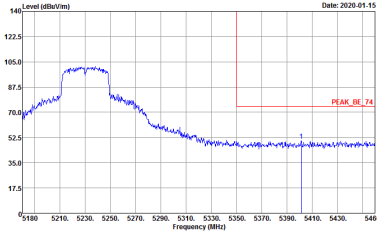
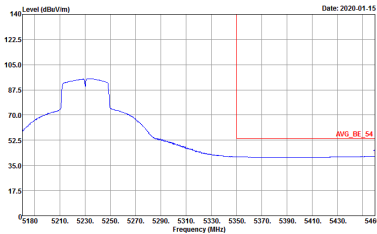
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH46 5230MHz - L                                                                                                                                                                                                              |                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 8<br/>Setting : 20.5</p>  |  <p>Site : 03CH13-HV<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 8<br/>Setting : 20.5</p> |
| Avg. |  <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 8<br/>Setting : 20.5</p> | Left blank                                                                                                                                                                                                                                   |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT40 CH46 5230MHz - R                                                                                                                                                                                                                        |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 8<br/>Setting : 20.5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 8<br/>Setting : 20.5</p></div> | Left blank  |

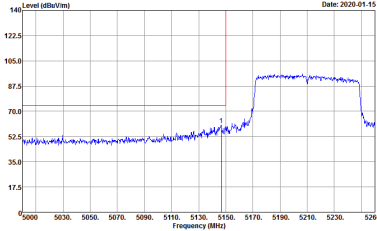
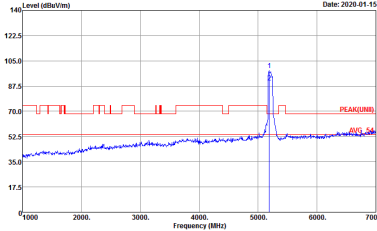
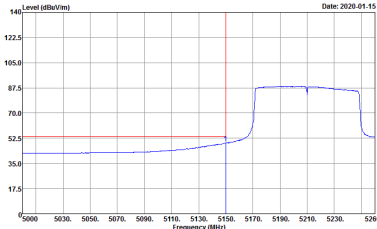


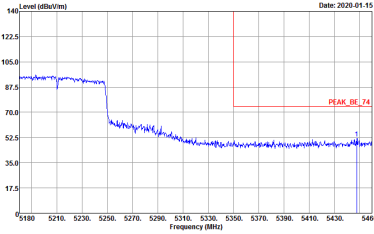
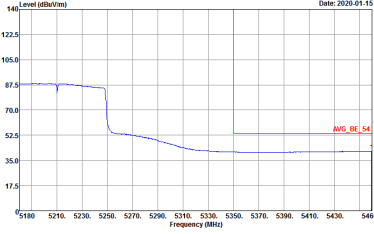
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH46 5230MHz - 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 : 900635<br/>Mode : 8<br/>Setting : 20.5</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 8<br/>Setting : 20.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 8<br/>Setting : 20.5</p> | Left blank                                                                                                                                                                                                                                                                              |

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |             |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT         | 802.11ac VHT40 CH46 5230MHz - R                                                                                                                                                                                                            |             |
| 1+2         | Vertical                                                                                                                                                                                                                                   | Fundamental |
| <b>Peak</b> |  <p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 8<br/>Setting : 20.5</p>  | Left blank  |
| <b>Avg.</b> |  <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 8<br/>Setting : 20.5</p> | Left blank  |

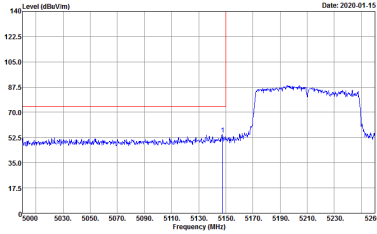
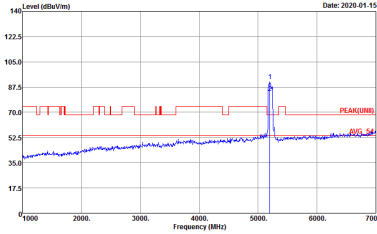
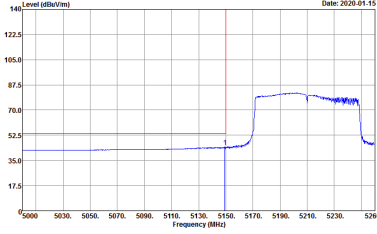


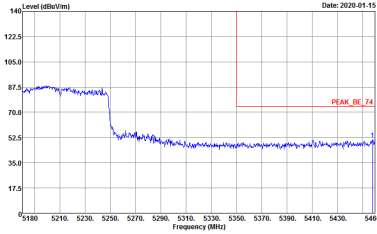
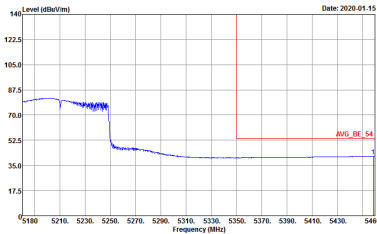
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - L                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |
| 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<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> |
| 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<br/>Mode : 9<br/>Power : 17</p> | Left blank                                                                                                                                                                                                                                                                            |

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                  |             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT         | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                                                                                                                                                                     |             |
| 1+2         | Horizontal                                                                                                                                                                                                                                                                                                          | Fundamental |
| <b>Peak</b> |  <p>           Site : 03CH13-HV<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Mode : 9<br/>           Power : 17         </p>  | Left blank  |
| <b>Avg.</b> |  <p>           Site : 03CH13-HV<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Mode : 9<br/>           Power : 17         </p> | Left blank  |

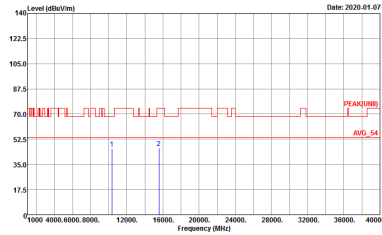
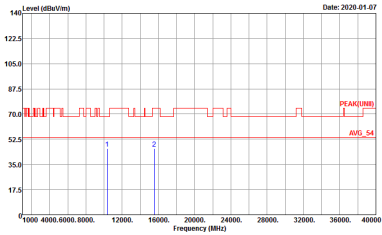


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                     |                                                                                                                                                                                                                                        |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - 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 : 900635<br/>Mode : 9<br/>Power : 17</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 9<br/>Power : 17</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 9<br/>Power : 17</p> | Left blank                                                                                                                                                                                                                             |

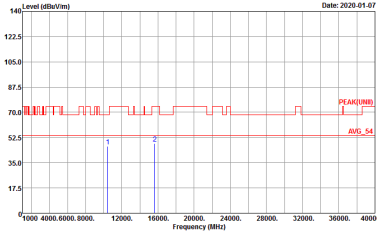
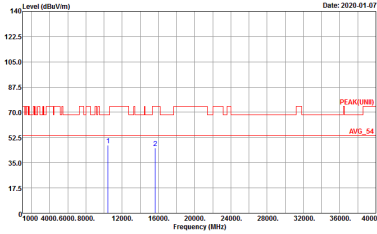
| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                |             |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT         | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                                                                                                                                                                   |             |
| 1+2         | Vertical                                                                                                                                                                                                                                                                                                          | Fundamental |
| <b>Peak</b> |  <p>           Site : 03CH13-HV<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Mode : 9<br/>           Power : 17         </p>  | Left blank  |
| <b>Avg.</b> |  <p>           Site : 03CH13-HV<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Mode : 9<br/>           Power : 17         </p> | Left blank  |



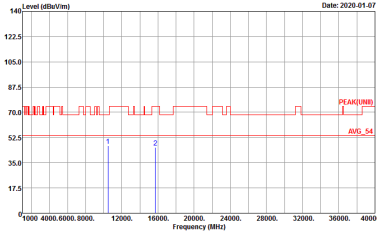
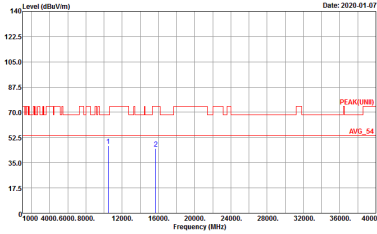
Band 1 - 5150~5250MHz  
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH36 5180MHz                                                                                                                                                                                                     |                                                                                                                                                                                                                         |
| 1+2          | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 1</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 1</p> |

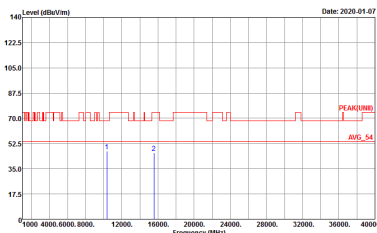
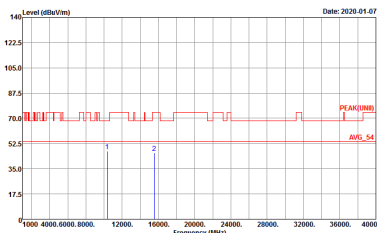


| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH44 5220MHz                                                                                                                                                                                                              |                                                                                                                                                                                                                                  |
| 1+2          | Horizontal                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH13-HV<br/>Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 2</p></div> | <div><p>Site : 03CH13-HV<br/>Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 2</p></div> |

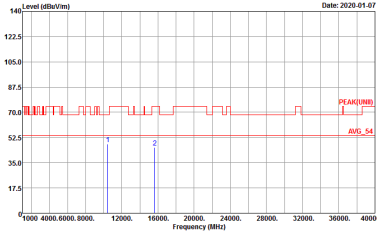
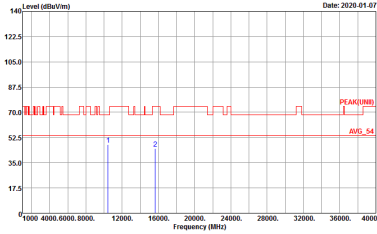


| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH48 5240MHz                                                                                                                                                                                                              |                                                                                                                                                                                                                                  |
| 1+2          | Horizontal                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 3</p></div> | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 900635<br/>Mode : 3</p></div> |
|              |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |

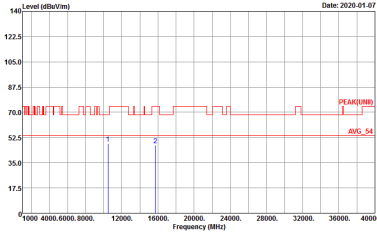
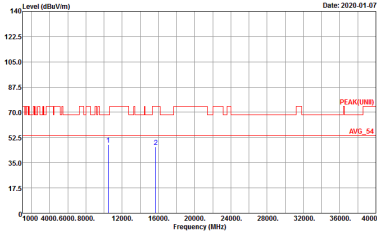
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

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

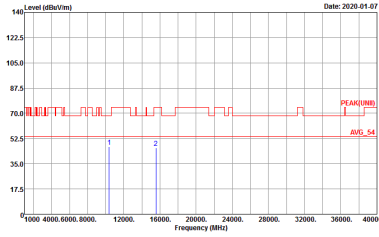
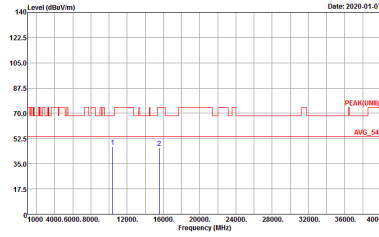


| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH44 5220MHz                                                                                                                                                                                          |                                                                                                                                                                                                                     |
| 1+2          | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HV<br/>Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p></div> | <div><p>Site : 03CH13-HV<br/>Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635</p></div> |

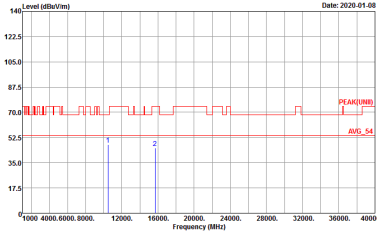
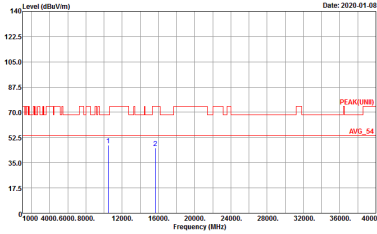


| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH48 5240MHz                                                                                                                                                                                          |                                                                                                                                                                                                                     |
| 1+2          | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HV<br/>Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p></div> | <div><p>Site : 03CH13-HV<br/>Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635</p></div> |

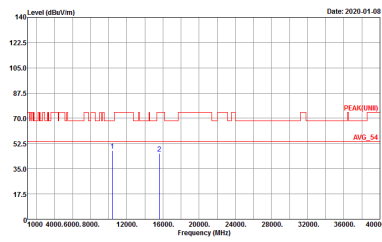
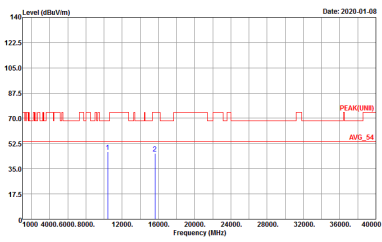
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

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

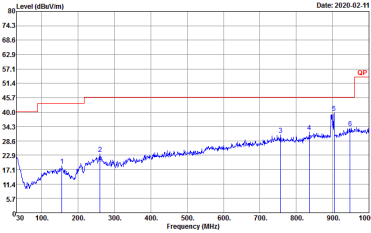
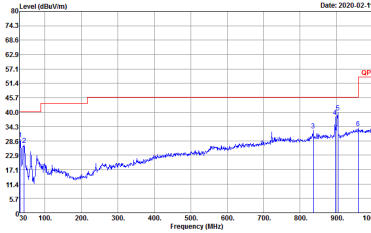


| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT40 CH46 5230MHz                                                                                                                                                                                          |                                                                                                                                                                                                                     |
| 1+2          | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HV<br/>Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p></div> | <div><p>Site : 03CH13-HV<br/>Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635</p></div> |

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

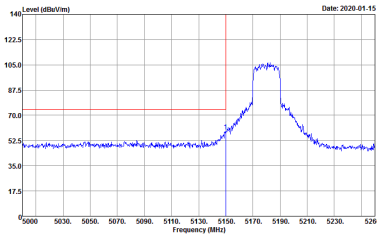
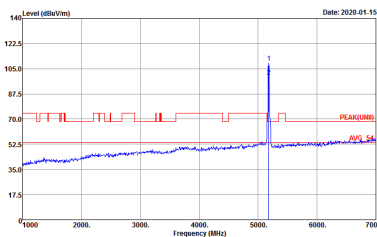
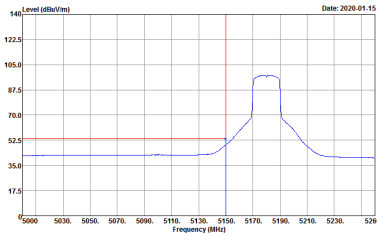
| WIFI                           | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT80 CH42 5210MHz                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                |
| 1+2                            | Horizontal                                                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                                                       |
| <b>Peak</b><br><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)**

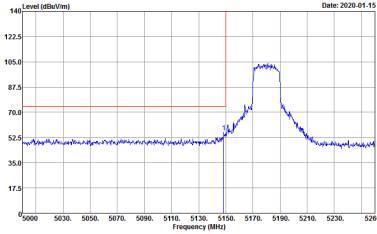
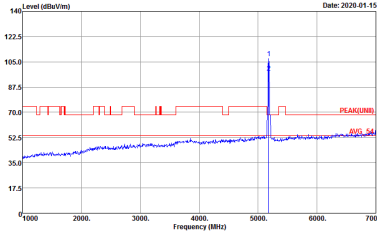
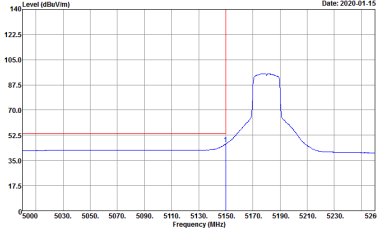
| WIFI                 | 5GHz WIFI                                                                                                                                                                                                         |                                                                                                                                                                                                                  |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11ac VHT80 LF                                                                                                                                                                                                 |                                                                                                                                                                                                                  |
| 1+2                  | Horizontal                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                         |
| <b>QP /<br/>Peak</b> |  <p>Site : 03CH13-HY<br/> Condition : QP 3m B1LOG_40103 HORIZONTAL<br/> Detector : Peak<br/> Project : 9D0635<br/> Mode : 68</p> |  <p>Site : 03CH13-HY<br/> Condition : QP 3m B1LOG_40103 VERTICAL<br/> Detector : Peak<br/> Project : 9D0635<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                                                                                                                                                                                                                                                                  |
| 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<br/>Setting : 18.5</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/>Setting : 18.5</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<br/>Setting : 18.5</p> | Left blank                                                                                                                                                                                                                                                                   |

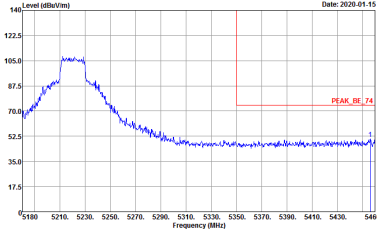
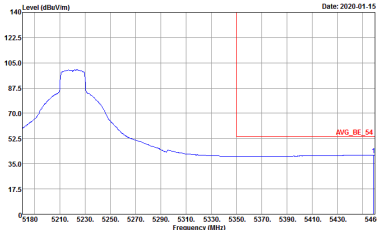


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 CH36 5180MHz                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 900635<br/>Setting : 18.5</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 900635<br/>Setting : 18.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 900635<br/>Setting : 18.5</p> | Left blank                                                                                                                                                                                                                                                                 |



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

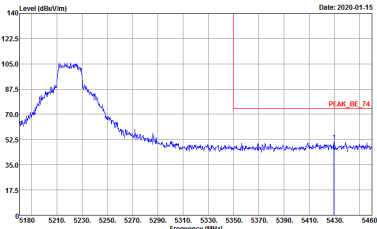
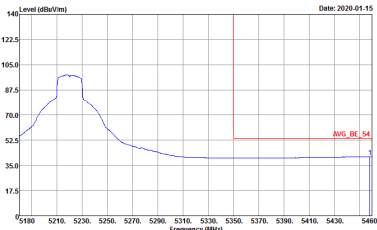


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------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

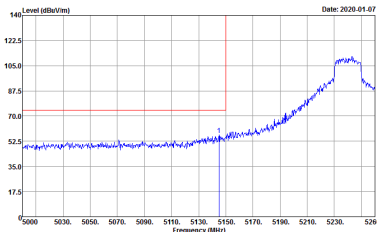
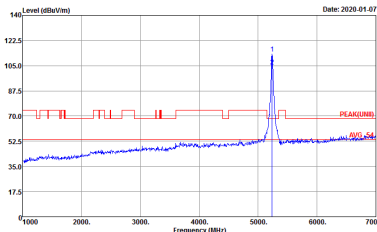
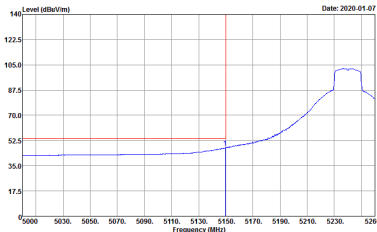


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                    |                                                                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : Z3</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/>Setting : Z3</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : Z3</p>  | Left blank                                                                                                                                                                            |

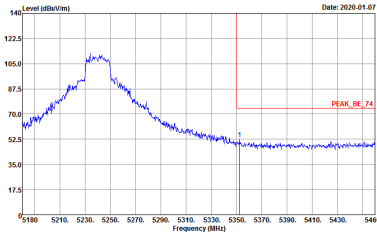
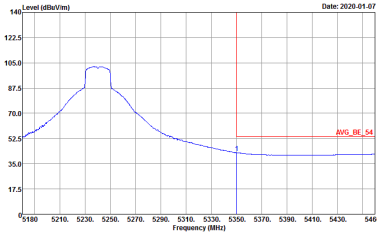


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 CH44 5220MHz - R                                                                                                                                                                                                                                                              |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                    | Fundamental |
| Peak |  <p>           Site : 03CH13-HV<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 23         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH13-HV<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 23         </p> | Left blank  |

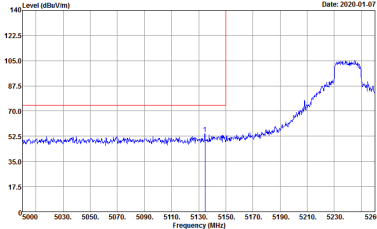
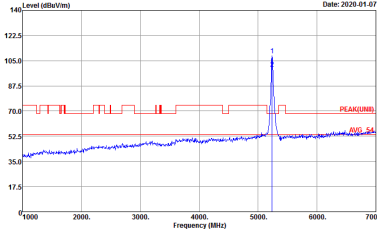
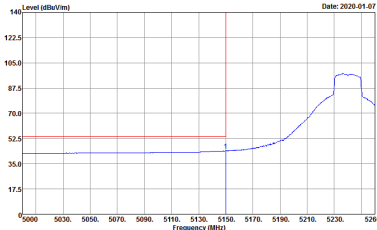


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                           |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 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(UNIT) 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:0.010KHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635</p>   | Left blank                                                                                                                                                                                                                                                |

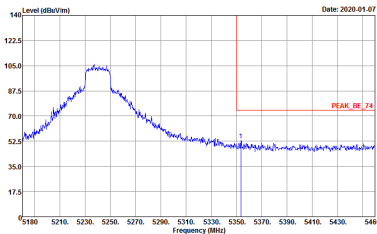
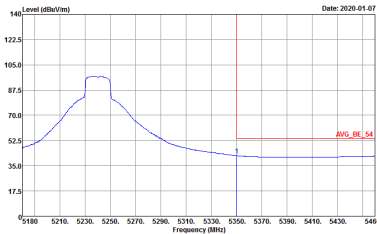


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                 |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 CH48 5240MHz - R                                                                                                                                                                                                                                     |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                         | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT-Auto<br/>Detector : Peak<br/>Project : 9D0635</p></div> | Left blank  |
| Avg. | <div><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</p></div>   | Left blank  |



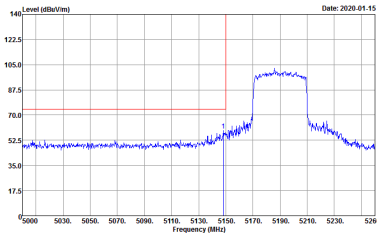
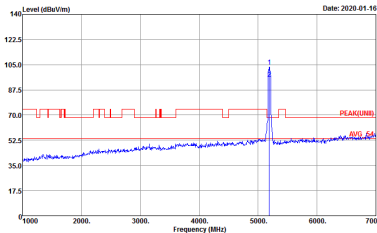
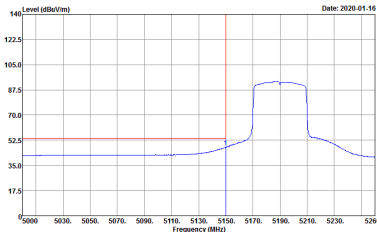
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 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(UNIT) 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:0.010KHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635</p>   | Left blank                                                                                                                                                                                                                                              |

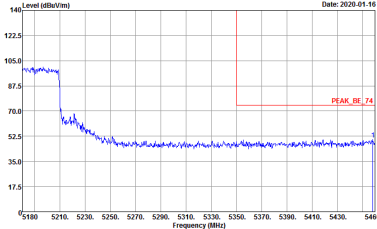
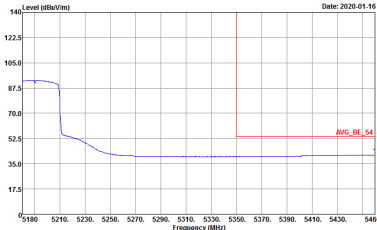


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 CH48 5240MHz - R                                                                                                                                                                                                                         |             |
| 1+2  | Vertical                                                                                                                                                                                                                                               | Fundamental |
| 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> | Left blank  |
| 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  |



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

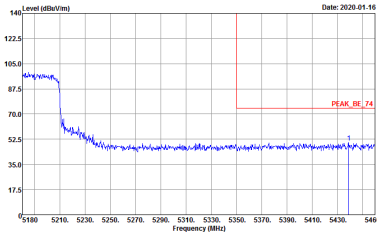
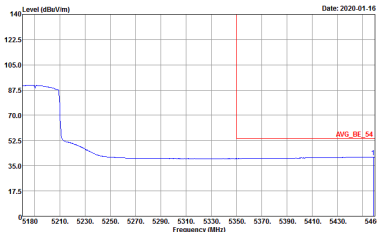
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                            |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 CH38 5190MHz - L                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                            |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                                |
| 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<br/>Setting : 17</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 17</p> |
| Avg. |  <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/>Setting : 17</p>   | Left blank                                                                                                                                                                                                                                                                 |

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                            |                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT         | 802.11ax HE40 CH38 5190MHz - R                                                                                                                                                                                                                                                                |                   |
| 1+2         | Horizontal                                                                                                                                                                                                                                                                                    | Fundamental       |
| <b>Peak</b> |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17         </p>  | <b>Left blank</b> |
| <b>Avg.</b> |  <p>           Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 9D0635<br/>           Setting : 17         </p> | <b>Left blank</b> |



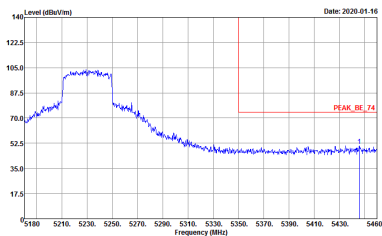
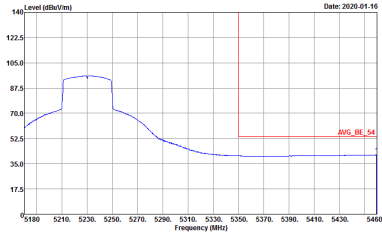
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                       |                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 CH38 5190MHz - 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 : 17</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 17</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 17</p>  | Left blank                                                                                                                               |



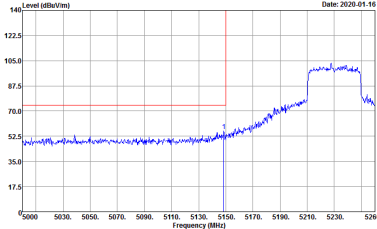
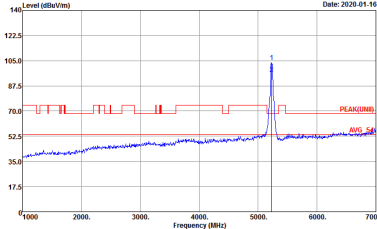
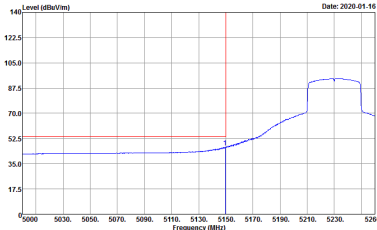
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                    |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 CH38 5190MHz - R                                                                                                                                                                                                        |             |
| 1+2  | Vertical                                                                                                                                                                                                                              | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 17</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 17</p></div> | Left blank  |

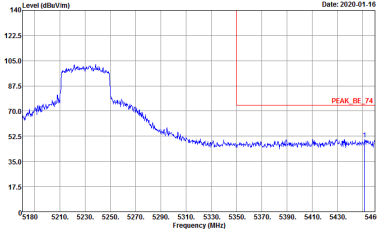
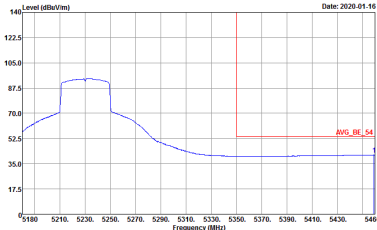


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                    |                                                                                                                                                                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 CH46 5230MHz - L                                                                                                                                                                        |                                                                                                                                                                                                       |
| 1+2  | Horizontal                                                                                                                                                                                            | Fundamental                                                                                                                                                                                           |
| Peak | <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Setting : 9D0635<br/>Date: 2020-01-16</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Setting : 9D0635<br/>Date: 2020-01-16</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : Peak<br/>Setting : 9D0635<br/>Date: 2020-01-16</p>     | Left blank                                                                                                                                                                                            |

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                            |             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT         | 802.11ax HE40 CH46 5230MHz - R                                                                                                                                                                                                                                                                |             |
| 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 : 20         </p>  | Left blank  |
| <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 : 20         </p> | Left blank  |

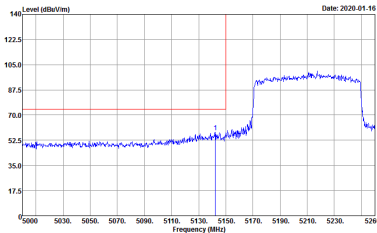
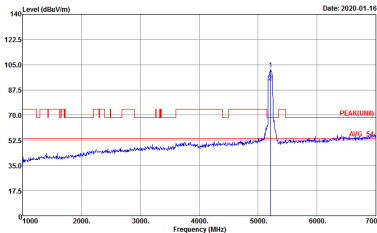
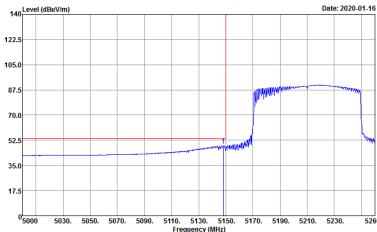


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                      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

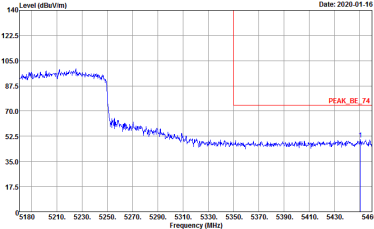
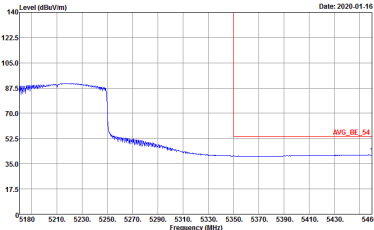
| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                          |             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT         | 802.11ax HE40 CH46 5230MHz - R                                                                                                                                                                                              |             |
| 1+2         | Vertical                                                                                                                                                                                                                    | Fundamental |
| <b>Peak</b> |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 20</p>  | Left blank  |
| <b>Avg.</b> |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 20</p> | Left blank  |



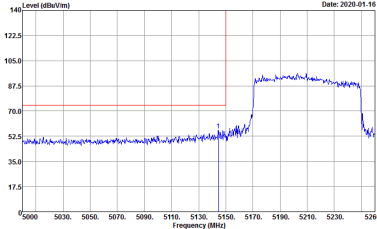
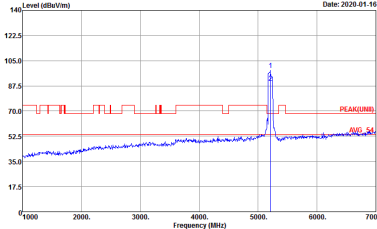
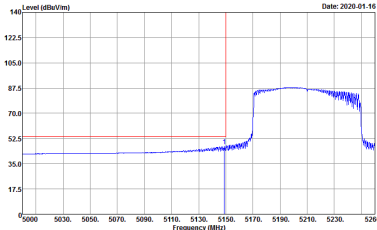
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                            |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE80 CH42 5210MHz - L                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                            |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                                |
| 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<br/>Setting : 17</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 17</p> |
| Avg. |  <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/>Setting : 17</p>   | Left blank                                                                                                                                                                                                                                                                 |

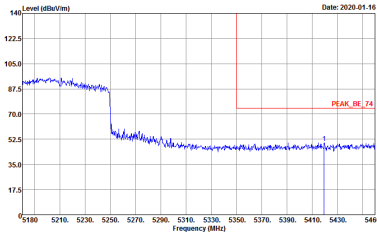
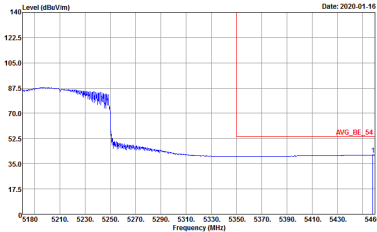


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                      |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 CH42 5210MHz - R                                                                                                                                                                                                          |             |
| 1+2  | Horizontal                                                                                                                                                                                                                              | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 17</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 17</p></div> | Left blank  |



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

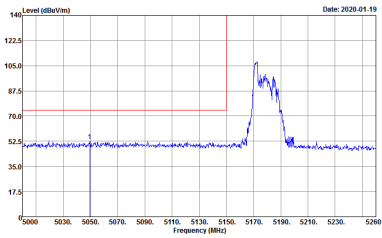
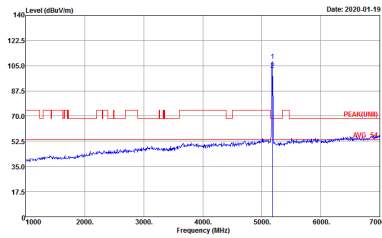
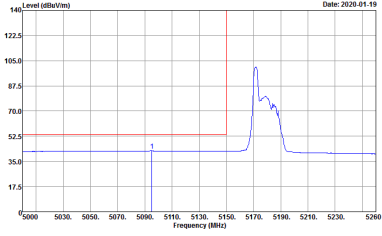


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                    |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 CH42 5210MHz - R                                                                                                                                                                                                        |             |
| 1+2  | Vertical                                                                                                                                                                                                                              | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 17</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>Detector : Peak<br/>Project : 9D0635<br/>Setting : 17</p></div> | Left blank  |

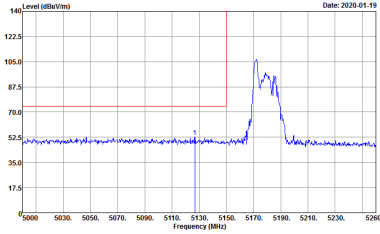
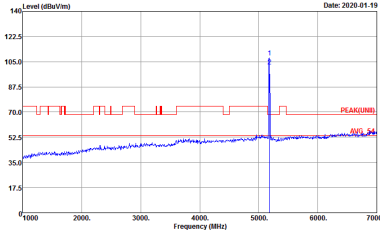
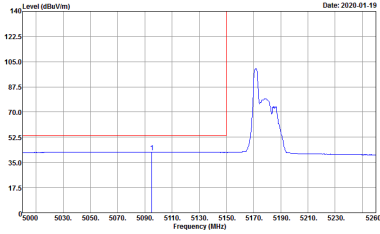


## Band 1 5150~5250MHz

## 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/>Detector : Peak<br/>Project : 9D0635</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p> | Left blank                                                                                                                                                                                                   |

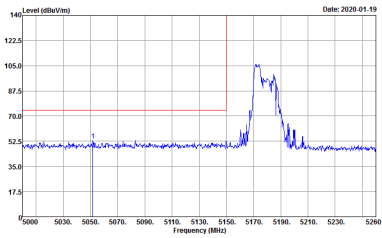
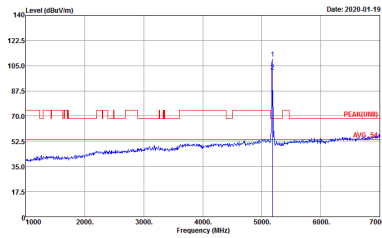
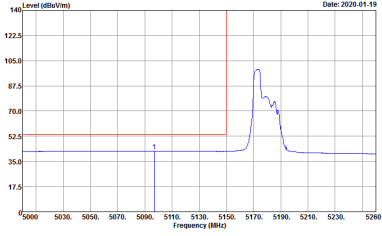


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                               |                                 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