



# FCC RADIO TEST REPORT

**FCC ID** : A4RG9FPL  
**Equipment** : Phone  
**Model Name** : G9FPL, G0B96  
**Applicant** : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
**Standard** : FCC Part 15 Subpart E §15.407

The product was received on Nov. 18, 2022 and testing was performed from Nov. 24, 2022 to Jan. 26, 2023. We, Sporton International Inc. Wensan 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 test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

*Louis Wu*

Approved by: Louis Wu

**Sporton International Inc. Wensan Laboratory**

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## History of this test report

| Report No.   | Version | Description                                                                                                                                                       | Issue Date    |
|--------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FR262403-04E | 01      | Initial issue of report                                                                                                                                           | Feb. 10, 2023 |
| FR262403-04E | 02      | 1. Revise Comments and Explanations, appendix C and appendix D<br>2. Add remark in Section 1.2.1<br>3. Add Partial RU Data for Power Spectral Density Measurement | Mar. 09, 2023 |
|              |         |                                                                                                                                                                   |               |
|              |         |                                                                                                                                                                   |               |
|              |         |                                                                                                                                                                   |               |
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|              |         |                                                                                                                                                                   |               |
|              |         |                                                                                                                                                                   |               |
|              |         |                                                                                                                                                                   |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items                     | Result (PASS/FAIL) | Remark                                  |
|---------------|-----------------|--------------------------------|--------------------|-----------------------------------------|
| 3.1           | 15.403          | Emission 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               | 1.80 dB under the limit at 5150.000 MHz |
| 3.5           | 15.207          | AC Conducted Emission          | Pass               | 15.85 dB under the limit at 1.500 MHz   |
| 3.6           | 15.203          | Antenna Requirement            | Pass               | -                                       |

### Declaration of Conformity:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.  
It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
- The measurement uncertainty please refer to report "Uncertainty of Evaluation".

### Comments and Explanations:

- The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.
- The G9FPL and G0B96 are 100% identical in Hardware / Software to each other, and only have different model names for separate marketing purposes. The test samples are all model G9FPL.

**Reviewed by: William Chen**

**Report Producer: Lucy Wu**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                 |                                                                                                                                                                                                        |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment                       | Phone                                                                                                                                                                                                  |
| Model Name                      | G9FPL, G0B96                                                                                                                                                                                           |
| FCC ID                          | A4RG9FPL                                                                                                                                                                                               |
| EUT supports Radios application | GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/NFC/GNSS/<br>UWB/WPT Client<br>WLAN 11b/g/n HT20<br>WLAN 11a/n HT20/HT40<br>WLAN 11ac VHT20/VHT40/VHT80/VHT160<br>WLAN 11ax HE20/HE40/HE80/HE160<br>Bluetooth BR/EDR/LE |

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

| EUT Information List             |                            |
|----------------------------------|----------------------------|
| S/N                              | Performed Test Item        |
| 2A311FDHS00011                   | RF Conducted Measurement   |
| 2B021FDHS0003T<br>2B071FDHS0000H | Radiated Spurious Emission |
| 2B021FDHS0002Y                   | Conducted Emission         |



## 1.2 Product Specification of Equipment Under Test

| Product Specification is subject to this standard |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tx/Rx Frequency Range                             | 5180 MHz ~ 5240 MHz<br>5260 MHz ~ 5320 MHz<br>5500 MHz ~ 5720 MHz<br>5745 MHz ~ 5825 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Maximum Output Power                              | <b>&lt;5180 MHz ~ 5240 MHz&gt;</b><br><b>MIMO &lt;Ant. 3+4&gt;</b><br>802.11a: 21.77 dBm / 0.1503 W<br>802.11n HT20: 22.32 dBm / 0.1706 W<br>802.11n HT40: 22.52 dBm / 0.1786 W<br>802.11ac VHT20: 22.37 dBm / 0.1726 W<br>802.11ac VHT40: 22.57 dBm / 0.1807 W<br>802.11ac VHT80: 18.81 dBm / 0.0760 W<br>802.11ac VHT160: 16.06 dBm / 0.0404 W<br>802.11ax HE20: 22.42 dBm / 0.1746 W<br>802.11ax HE40: 22.62 dBm / 0.1828 W<br>802.11ax HE80: 18.86 dBm / 0.0769 W<br>802.11ax HE160: 16.16 dBm / 0.0413 W<br><b>&lt;5260 MHz ~ 5320 MHz&gt;</b><br><b>MIMO &lt;Ant. 3+4&gt;</b><br>802.11a: 21.97 dBm / 0.1574 W<br>802.11n HT20: 22.46 dBm / 0.1762 W<br>802.11n HT40: 22.42 dBm / 0.1746 W<br>802.11ac VHT20: 22.51 dBm / 0.1782 W<br>802.11ac VHT40: 22.47 dBm / 0.1766 W<br>802.11ac VHT80: 19.11 dBm / 0.0815 W<br>802.11ax HE20: 22.56 dBm / 0.1803 W<br>802.11ax HE40: 22.52 dBm / 0.1786 W<br>802.11ax HE80: 19.16 dBm / 0.0824 W<br><b>&lt;5500 MHz ~ 5720 MHz&gt;</b><br><b>MIMO &lt;Ant. 3+4&gt;</b><br>802.11a: 18.67 dBm / 0.0736 W<br>802.11n HT20: 19.12 dBm / 0.0817 W<br>802.11n HT40: 21.86 dBm / 0.1535 W<br>802.11ac VHT20: 19.17 dBm / 0.0826 W<br>802.11ac VHT40: 21.91 dBm / 0.1552 W<br>802.11ac VHT80: 21.37 dBm / 0.1371 W<br>802.11ac VHT160: 16.91 dBm / 0.0491 W<br>802.11ax HE20: 19.22 dBm / 0.0836 W<br>802.11ax HE40: 21.96 dBm / 0.1570 W<br>802.11ax HE80: 21.41 dBm / 0.1384 W<br>802.11ax HE160: 17.01 dBm / 0.0502 W<br><b>&lt;5745 MHz ~ 5825 MHz&gt;</b><br><b>MIMO &lt;Ant. 3+4&gt;</b><br>802.11a: 20.01 dBm / 0.1002 W<br>802.11n HT20: 20.11 dBm / 0.1026 W<br>802.11n HT40: 21.31 dBm / 0.1352 W<br>802.11ac VHT20: 20.16 dBm / 0.1038 W<br>802.11ac VHT40: 21.36 dBm / 0.1368 W<br>802.11ac VHT80: 22.46 dBm / 0.1762 W<br>802.11ax HE20: 20.21 dBm / 0.1050 W<br>802.11ax HE40: 21.41 dBm / 0.1384 W<br>802.11ax HE80: 22.56 dBm / 0.1803 W |

| Product Specification is subject to this standard |                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 99% Occupied Bandwidth                            | <b>MIMO &lt;Ant. 3&gt;</b><br>802.11a: 17.98 MHz<br>802.11ax HE20: 19.53 MHz<br>802.11ax HE40: 40.26 MHz<br>802.11ax HE80: 77.80 MHz<br>802.11ax HE160: 156.32 MHz<br><b>MIMO &lt;Ant. 4&gt;</b><br>802.11a: 18.68 MHz<br>802.11ax HE20: 19.88 MHz<br>802.11ax HE40: 47.75 MHz<br>802.11ax HE80: 77.80 MHz<br>802.11ax HE160: 156.32 MHz                                                             |
| Antenna Type                                      | <b>&lt;5180 MHz ~ 5240 MHz&gt;</b><br><Ant. 3>: Coupling feed Antenna<br><Ant. 4>: IFA Antenna<br><b>&lt;5260 MHz ~ 5320 MHz&gt;</b><br><Ant. 3>: Coupling feed Antenna<br><Ant. 4>: IFA Antenna<br><b>&lt;5500 MHz ~ 5720 MHz&gt;</b><br><Ant. 3>: Coupling feed Antenna<br><Ant. 4>: IFA Antenna<br><b>&lt;5745 MHz ~ 5825 MHz&gt;</b><br><Ant. 3>: Coupling feed Antenna<br><Ant. 4>: IFA Antenna |
| Antenna Gain<br><Open Mode>                       | <b>&lt;5180 MHz ~ 5240 MHz&gt;</b><br><Ant. 3>: -1.8 dBi<br><Ant. 4>: -4.9 dBi<br><b>&lt;5260 MHz ~ 5320 MHz&gt;</b><br><Ant. 3>: -1.3 dBi<br><Ant. 4>: -5.1 dBi<br><b>&lt;5500 MHz ~ 5720 MHz&gt;</b><br><Ant. 3>: -0.7 dBi<br><Ant. 4>: -3.5 dBi<br><b>&lt;5745 MHz ~ 5825 MHz&gt;</b><br><Ant. 3>: -1.3 dBi<br><Ant. 4>: -3.3 dBi                                                                 |
| Antenna Gain<br><Close Mode>                      | <b>&lt;5180 MHz ~ 5240 MHz&gt;</b><br><Ant. 3>: -4.7 dBi<br><Ant. 4>: -5.3 dBi<br><b>&lt;5260 MHz ~ 5320 MHz&gt;</b><br><Ant. 3>: -3.9 dBi<br><Ant. 4>: -6.4 dBi<br><b>&lt;5500 MHz ~ 5720 MHz&gt;</b><br><Ant. 3>: -2.9 dBi<br><Ant. 4>: -5.1 dBi<br><b>&lt;5745 MHz ~ 5825 MHz&gt;</b><br><Ant. 3>: -3.2 dBi<br><Ant. 4>: -3.6 dBi                                                                 |

| Product Specification is subject to this standard |                                                                   |        |        |
|---------------------------------------------------|-------------------------------------------------------------------|--------|--------|
| Type of Modulation                                | 802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)                    |        |        |
|                                                   | 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)            |        |        |
| Antenna Function Description                      | 802.11ax : OFDMA (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM) |        |        |
|                                                   |                                                                   | Ant. 3 | Ant. 4 |
|                                                   | 802.11 a/n/ac/ax MIMO                                             | V      | V      |

**Remark:**

1. MIMO Ant. 3+4 Directional Gain is a calculated result from MIMO Ant. 3 and MIMO Ant. 4. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 3 + Ant. 4 is a calculated result from sum of the power MIMO Ant. 3 and MIMO Ant. 4.
3. The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.

### 1.2.1 Antenna Gain

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F2)f)ii)

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

For power measurements on IEEE 802.11 devices,

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

$G_{ANT}$  is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

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

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.

As minimum  $N_{SS}=1$  is supported by EUT, the formula can be simplified as:

Directional gain =  $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$  dBi

Where  $G_1, G_2, \dots, G_N$  denote single antenna gain.

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

|          |       |       | DG    | DG    | Power     | PSD       |
|----------|-------|-------|-------|-------|-----------|-----------|
|          |       |       | for   | for   | Limit     | Limit     |
|          | Ant 3 | Ant 4 | Power | PSD   | Reduction | Reduction |
|          | (dBi) | (dBi) | (dBi) | (dBi) | (dB)      | (dB)      |
| Band I   | -1.80 | -4.90 | -1.80 | -0.20 | 0.00      | 0.00      |
| Band II  | -1.30 | -5.10 | -1.30 | 0.02  | 0.00      | 0.00      |
| Band III | -0.70 | -3.50 | -0.70 | 1.02  | 0.00      | 0.00      |
| Band IV  | -1.30 | -3.30 | -1.30 | 0.77  | 0.00      | 0.00      |

Calculation example:

If a device has two antenna,  $G_{ANT1} = -1.8$  dBi;  $G_{ANT2} = -4.9$  dBi

Directional gain of power measurement =  $\max(-1.8, -4.9) + 0 = -1.8$  dBi

Directional gain of PSD derived from formula which is

$10 \times \log \{ [ 10^{(-1.8 \text{ dBi} / 20)} + 10^{(-4.9 \text{ dBi} / 20)} ]^2 / 2 \}$   
 = -0.2 dBi

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

**Note:** The antenna gain is from both open mode and close mode with highest number.

### 1.3 Modification of EUT

No modifications made to the EUT during the testing.

### 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 333, 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><br>CO05-HY (TAF Code: 1190)                                                                       |
| <b>Remark</b>             | The Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.    |

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

|                           |                                                                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Site</b>          | Sporton International Inc. Wensan Laboratory                                                                                                     |
| <b>Test Site Location</b> | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City 333010, 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><br>TH05-HY, 03CH13-HY                                                                                                    |

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

FCC designation No.: TW1190 and TW3786

### 1.5 Applicable Standards

According to the specifications declared by 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 the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. 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, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT (open and close) and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and accessory (Adapter or Earphone) and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported 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) |
|----------------|------------------|-------------|
| 5150-5350 MHz  | 50 <sup>@</sup>  | 5250        |
| 5470-5725 MHz  | 114 <sup>@</sup> | 5570        |

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

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

| Frequency Band                       | Channel          | Freq. (MHz) | Channel          | Freq. (MHz) |
|--------------------------------------|------------------|-------------|------------------|-------------|
| 5725-5850 MHz<br>Band 4<br>(U-NII-3) | 149              | 5745        | 157              | 5785        |
|                                      | 151 <sup>*</sup> | 5755        | 159 <sup>*</sup> | 5795        |
|                                      | 153              | 5765        | 161              | 5805        |
|                                      | 155 <sup>#</sup> | 5775        | 165              | 5825        |

**Note:**

1. The above Frequency and Channel with "<sup>\*</sup>" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "<sup>#</sup>" are 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel with "<sup>@</sup>" are 802.11ac VHT160 and 802.11ax HE160.

## 2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU but does not support 2x996-tone RU on 160MHz channel.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2018.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

The power for 802.11n and 802.11ac mode is smaller than 802.11ax mode, so all other conducted and radiated test is covered by 802.11ax mode.

**The final test modes include the worst data rates for each modulation shown in the table below.**

### MIMO Mode

| Modulation                         | Data Rate |
|------------------------------------|-----------|
| 802.11a                            | 6 Mbps    |
| 802.11n HT20 (Covered by HE20)     | MCS0      |
| 802.11n HT40 (Covered by HE40)     | MCS0      |
| 802.11ac VHT20 (Covered by HE20)   | MCS0      |
| 802.11ac VHT40 (Covered by HE40)   | MCS0      |
| 802.11ac VHT80 (Covered by HE80)   | MCS0      |
| 802.11ac VHT160 (Covered by HE160) | MCS0      |
| 802.11ax HE20                      | MCS0      |
| 802.11ax HE40                      | MCS0      |
| 802.11ax HE80                      | MCS0      |
| 802.11ax HE160                     | MCS0      |

**Remark:** The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

| Test Cases                                                                                                                                                                                                                                                                                  |                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>AC Conducted Emission</b>                                                                                                                                                                                                                                                                | Mode 1 : GSM850 Idle + WLAN (5GHz) Link + Bluetooth Link + USB Cable 1<br>(Charging from AC Adapter 1) |
| <b>Remark:</b><br>1. For Radiated Test Cases, the tests were performed with Adapter 1 and USB Cable 1.<br>2. During the preliminary test, both charging modes (Adapter mode and WPT Client mode) were verified. It is determined that the adaptor mode is the worst case for official test. |                                                                                                        |

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

| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11ax HE20          | 802.11ax HE20           | 802.11ax HE20           |
| L        | Low    | 36                     | 52                      | 100                     |
| M        | Middle | 44                     | 60                      | 116                     |
| H        | High   | 48                     | 64                      | 140                     |
| Straddle |        | -                      | -                       | 144                     |

| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11ax HE40          | 802.11ax HE40           | 802.11ax HE40           |
| L        | Low    | 38                     | 54                      | 102                     |
| M        | Middle | -                      | -                       | 110                     |
| H        | High   | 46                     | 62                      | 134                     |
| Straddle |        | -                      | -                       | 142                     |

| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11ax HE80          | 802.11ax HE80           | 802.11ax HE80           |
| L        | Low    | -                      | -                       | 106                     |
| M        | Middle | 42                     | 58                      | -                       |
| H        | High   | -                      | -                       | 122                     |
| Straddle |        | -                      | -                       | 138                     |

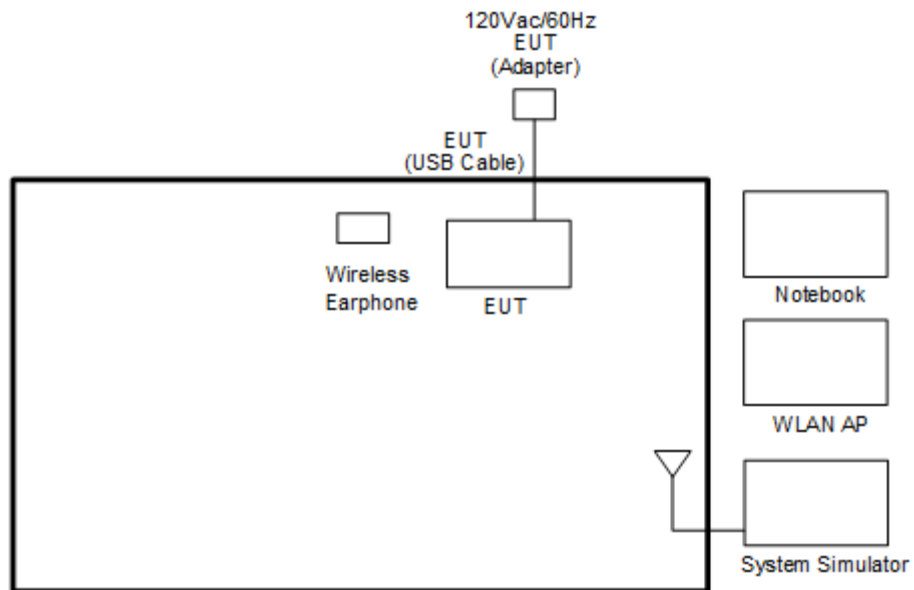
| BW160 | 5150-5350 MHz  | 5470-5725MHz   |
|-------|----------------|----------------|
|       | 802.11ax HE160 | 802.11ax HE160 |
| Ch. # | 50             | 114            |

| Ch. # |        | Band IV : 5725-5850 MHz |              |              |                |
|-------|--------|-------------------------|--------------|--------------|----------------|
|       |        | 802.11a                 | 802.11n HT20 | 802.11n HT40 | 802.11ac VHT80 |
| L     | Low    | 149                     | 149          | 151          | -              |
| M     | Middle | 157                     | 157          | -            | 155            |
| H     | High   | 165                     | 165          | 159          | -              |

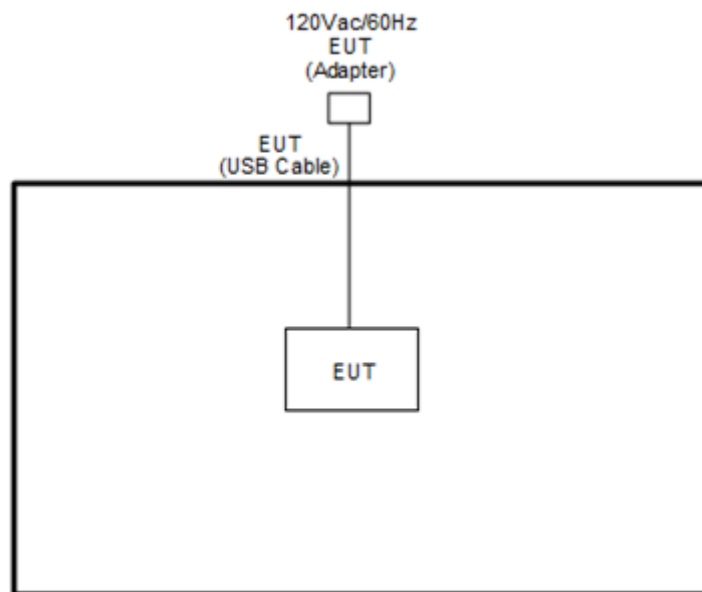
**Remark:** For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

## 2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



## 2.4 Support Unit used in test configuration and system

| Item | Equipment         | Brand Name | Model Name    | FCC ID                | Data Cable | Power Cord                                                 |
|------|-------------------|------------|---------------|-----------------------|------------|------------------------------------------------------------|
| 1.   | System Simulator  | Anritsu    | MT8820C       | N/A                   | N/A        | Unshielded, 1.8 m                                          |
| 2.   | Wireless Earphone | Google     | G1007/G1008   | A4RG1007/<br>A4RG1008 | N/A        | N/A                                                        |
| 3.   | WLAN AP           | ASUS       | RT-AC66U      | KA2DIR628A2           | N/A        | Unshielded, 1.8 m                                          |
| 4.   | Notebook          | DELL       | Latitude 3420 | FCC DoC               | N/A        | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |

## 2.5 EUT Operation Test Setup

The RF test items, utility “Cmd Version 1.0.39” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.



## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

Following shows an offset computation example with cable loss 4.2 dB and 10 dB 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 Emission Bandwidth and 99% Occupied Bandwidth Measurement

##### 3.1.1 Description of Emission Bandwidth and 99% Occupied Bandwidth

26dB and 99% Occupied bandwidth are reporting only.

The minimum 6 dB bandwidth shall be at least 500 kHz for the band 5.725-5.85 GHz.

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

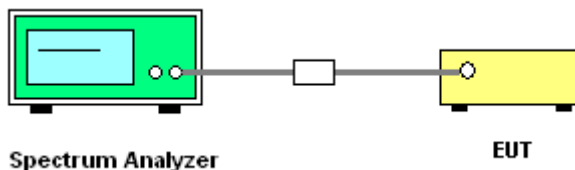
##### 3.1.2 Measuring Instruments

Please refer to the measuring equipment list in 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. For 6dB bandwidth measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 100 kHz and set the Video bandwidth (VBW)  $\geq 3 * RBW$ . Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
9. Measure and record the results in the test report.

### 3.1.4 Test Setup

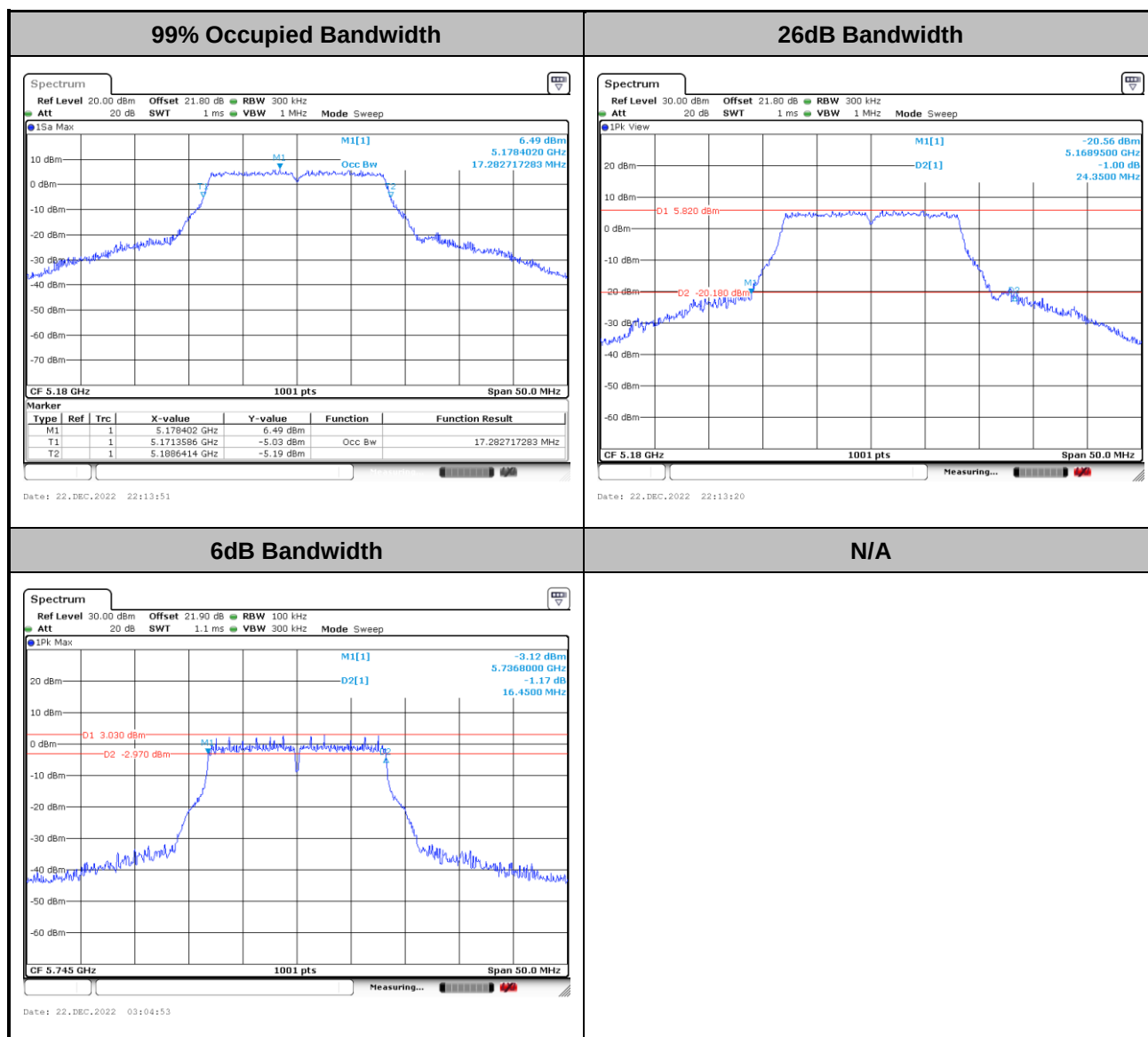


### 3.1.5 Test Result of Emission Bandwidth and 99% Occupied Bandwidth

Please refer to Appendix A.

MIMO <Ant. 3+4>

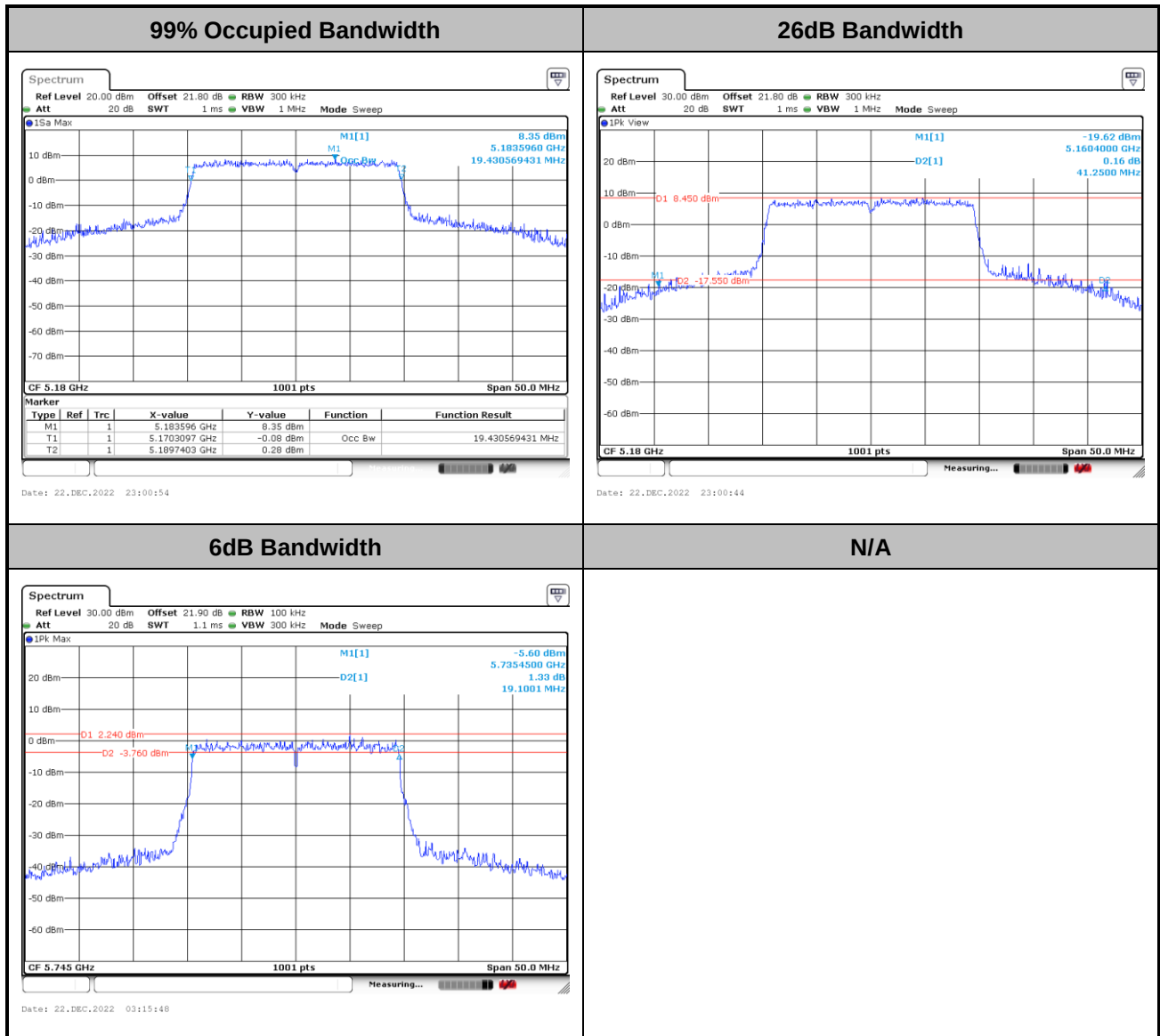
<802.11a>



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



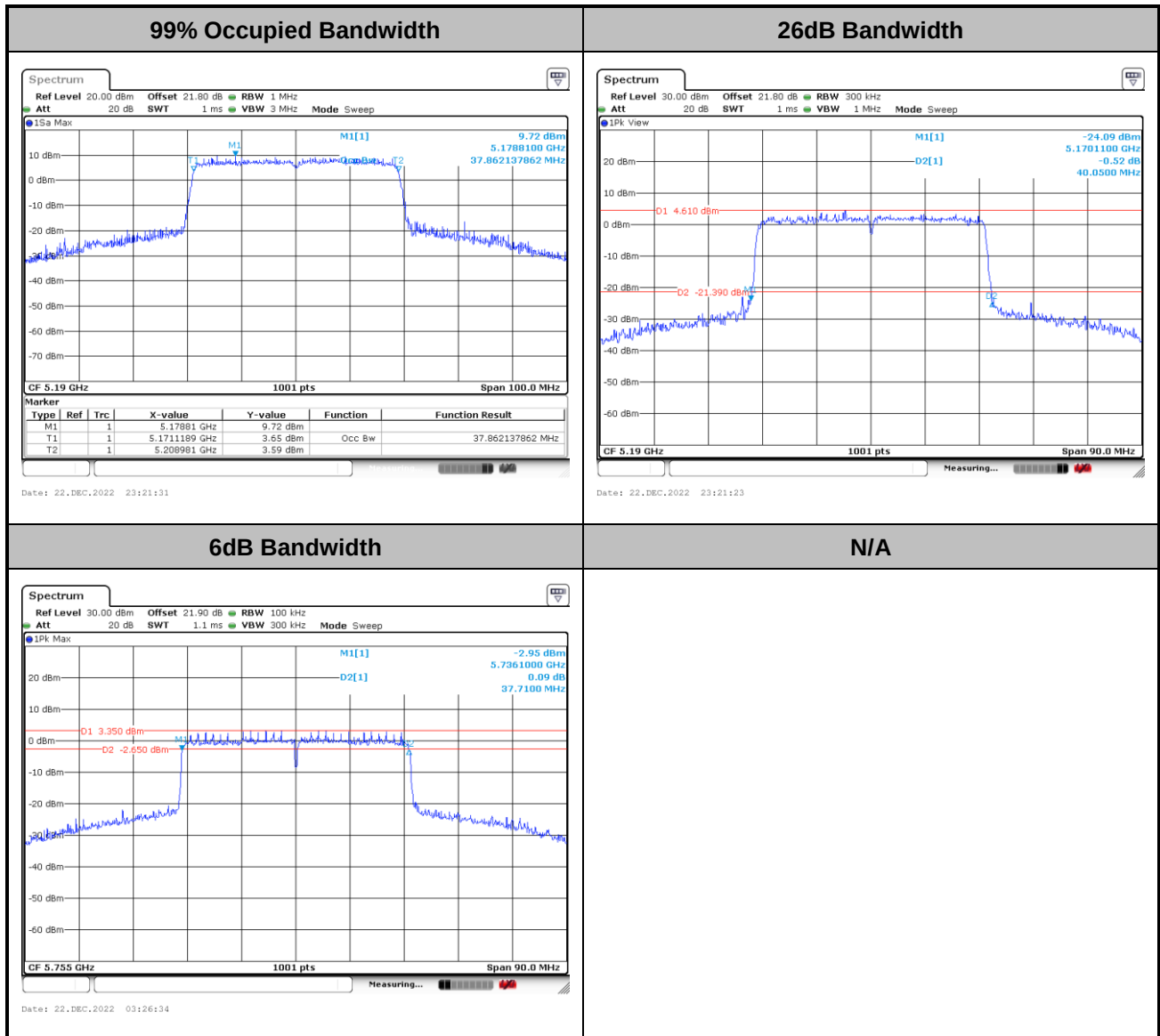
&lt;802.11ax HE20&gt;



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



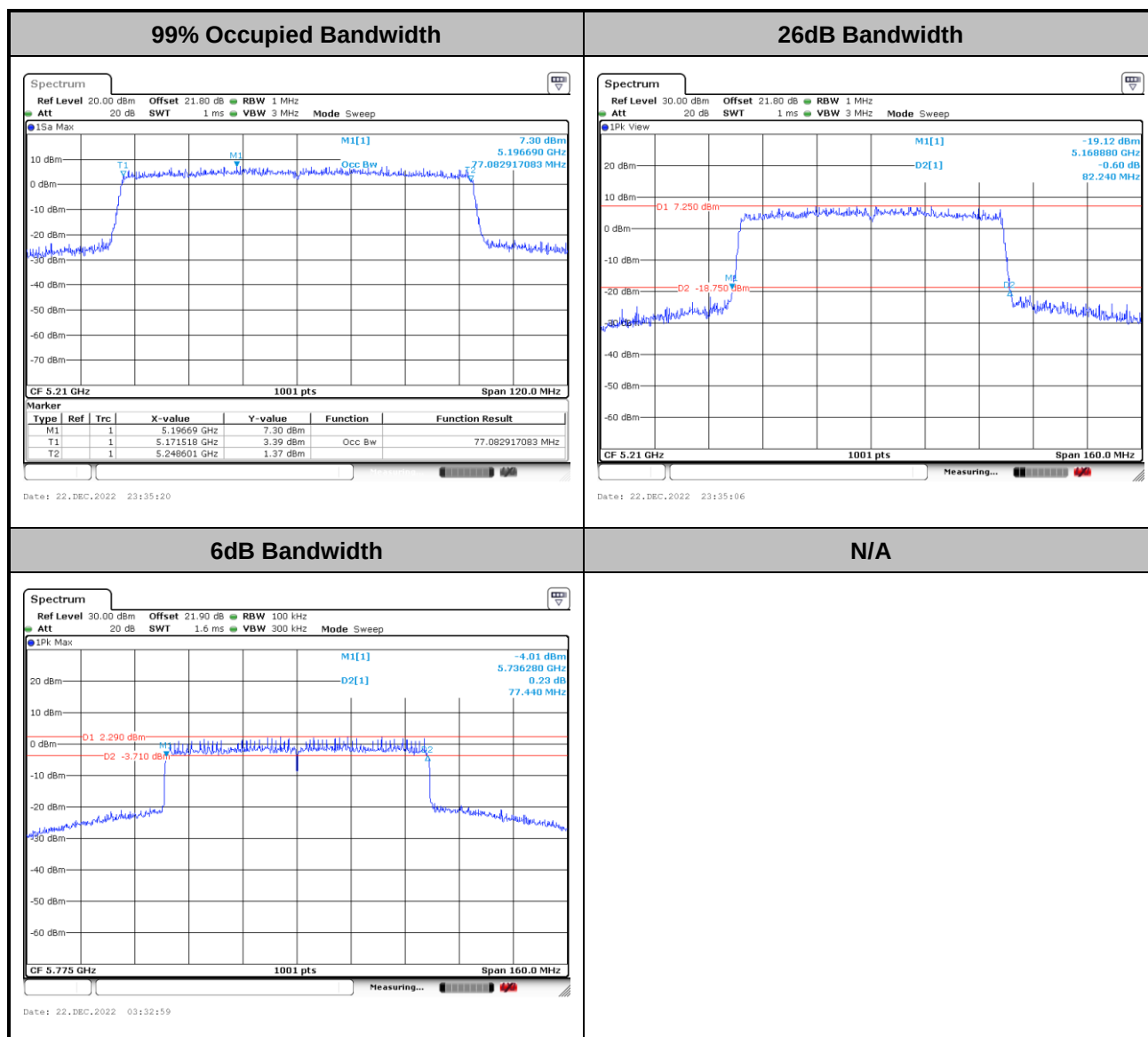
&lt;802.11ax HE40&gt;



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



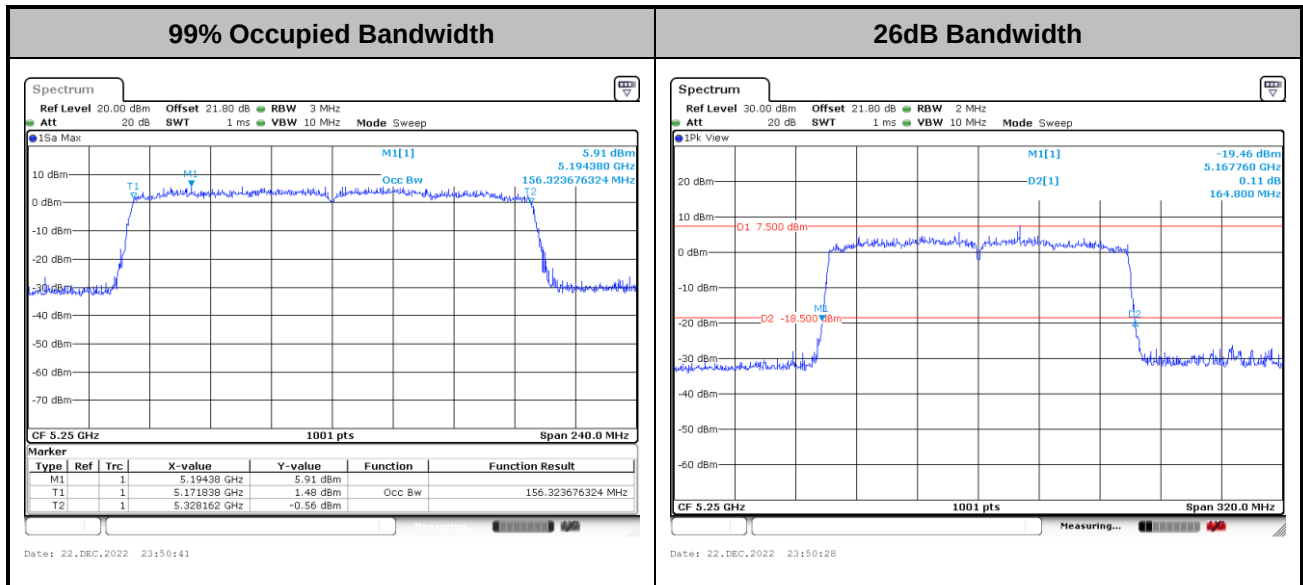
&lt;802.11ax HE80&gt;



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



<802.11ax HE160>



**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 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

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

For the band 5.725–5.85 GHz:

■ the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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

Please refer to the measuring equipment list in this test report.

### 3.2.3 Test Procedures

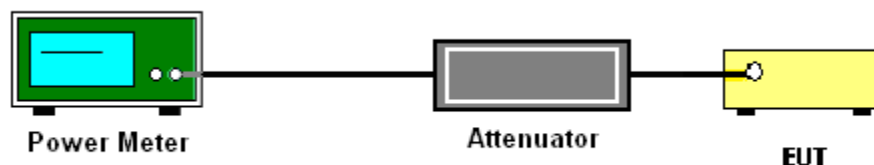
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



### 3.3 Power Spectral Density Measurement

#### 3.3.1 Limit of Power Spectral Density

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

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

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

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

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

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

##### **For the band 5.725–5.85 GHz:**

The maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

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

#### 3.3.2 Measuring Instruments

Please refer to the measuring equipment list in 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.

**For the band 5.15–5.25 GHz, 5.25–5.35 GHz, and 5.47–5.725 GHz:**

#### # Method SA-2 #

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

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

**For the band 5.725–5.85 GHz:**

**# Method SA-2 #**

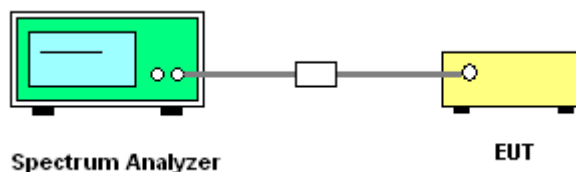
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
  - Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 300kHz.
  - Set VBW  $\geq 1$  MHz.
  - Add  $10 \log(500 \text{ kHz/RBW})$  to the measured result, whereas RBW ( $< 500 \text{ kHz}$ ) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
  - Number of points in sweep  $\geq 2 \text{ Span} / \text{RBW}$ .
  - Sweep time = auto.
  - Detector = RMS
  - Trace average at least 100 traces in power averaging mode.
  - Add  $10 \log(1/x)$ , where  $x$  is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add  $10 \log(1/0.25) = 6 \text{ dB}$  if the duty cycle is 25 percent.
1. The RF output of EUT is 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 (c): Measure and add  $10 \log(N_{\text{ANT}})$  dB.

With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity  $10 \log(N_{\text{ANT}})$  dB is added to each spectrum value before comparing to the emission limit. The addition of  $10 \log(N_{\text{ANT}})$  dB serves to apportion the emission limit among the  $N_{\text{ANT}}$  outputs so that each output is permitted to contribute no more than  $1/N_{\text{ANT}}^{\text{th}}$  of the PSD limit.

### 3.3.4 Test Setup



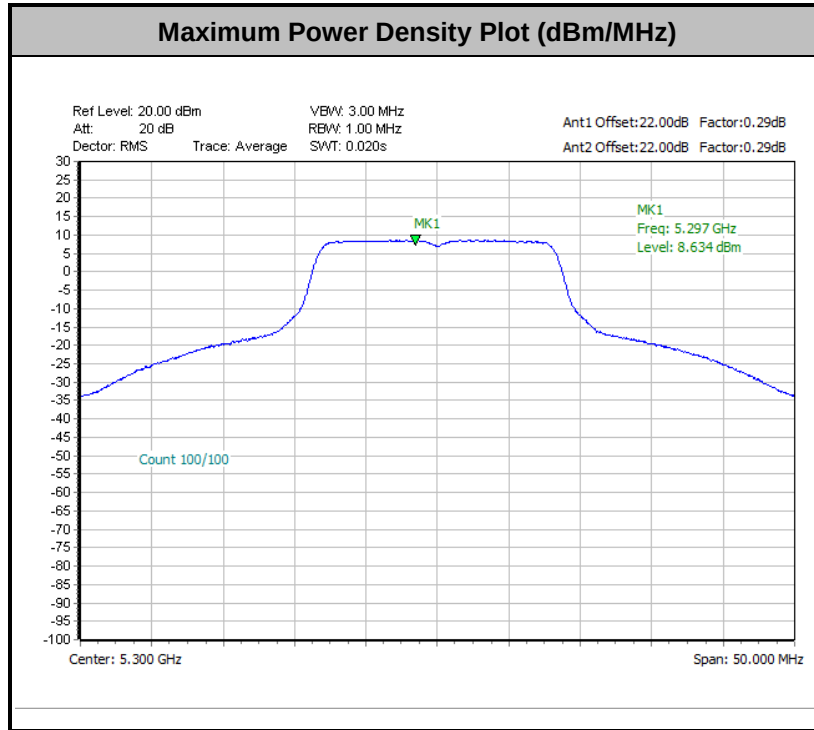
### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

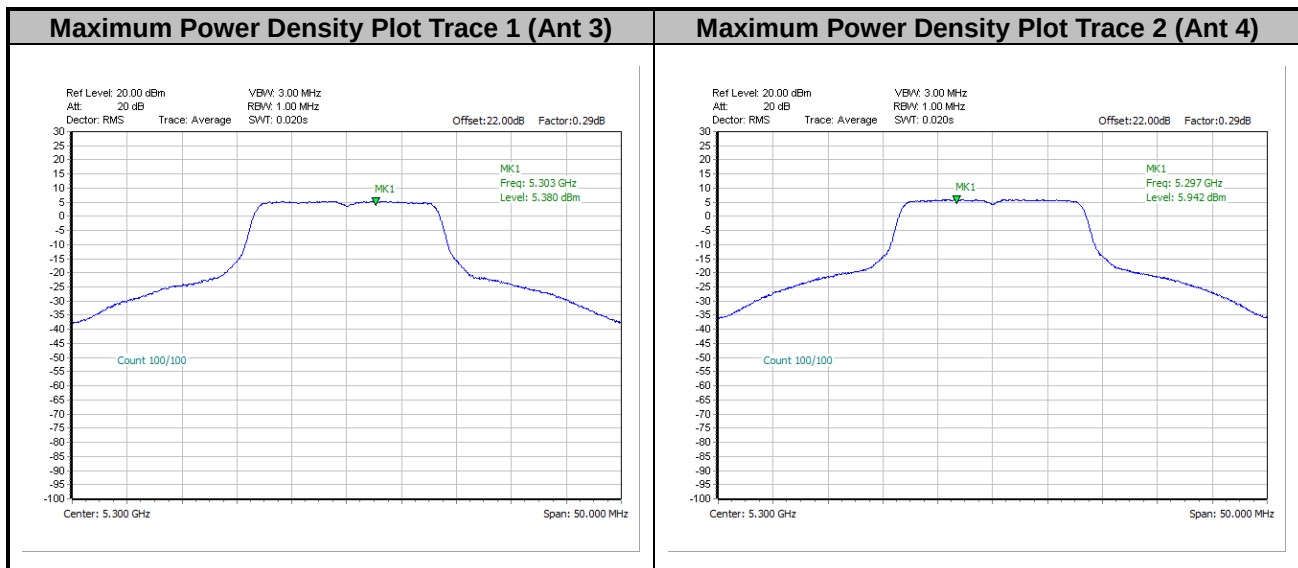


For the band 5.15–5.25 GHz, 5.25–5.35 GHz, and 5.47–5.725 GHz:

<802.11a>

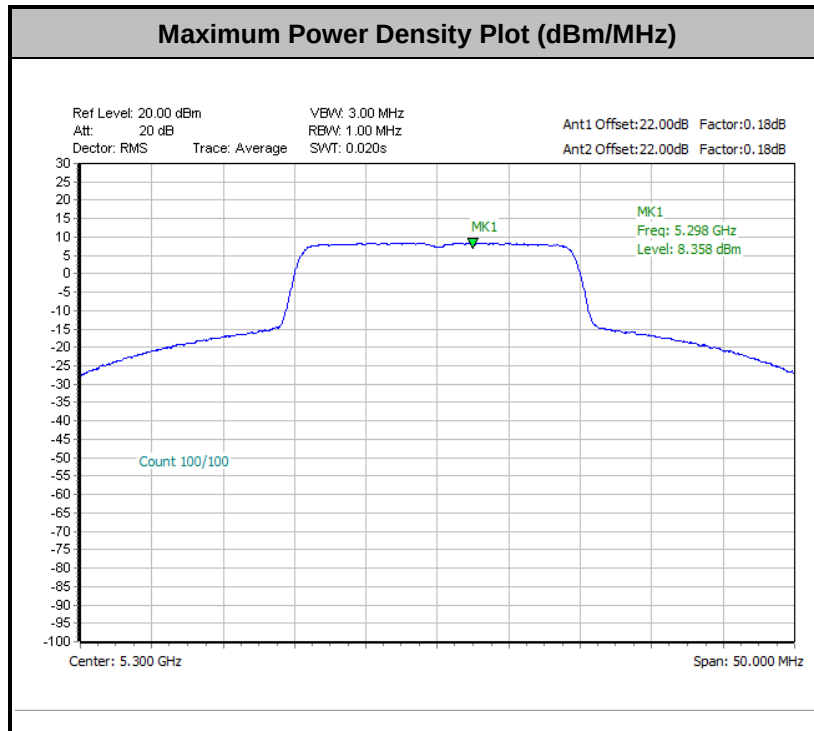


**Remark:** The test plot is showing a bin by bin combined result mathematically adds two traces.

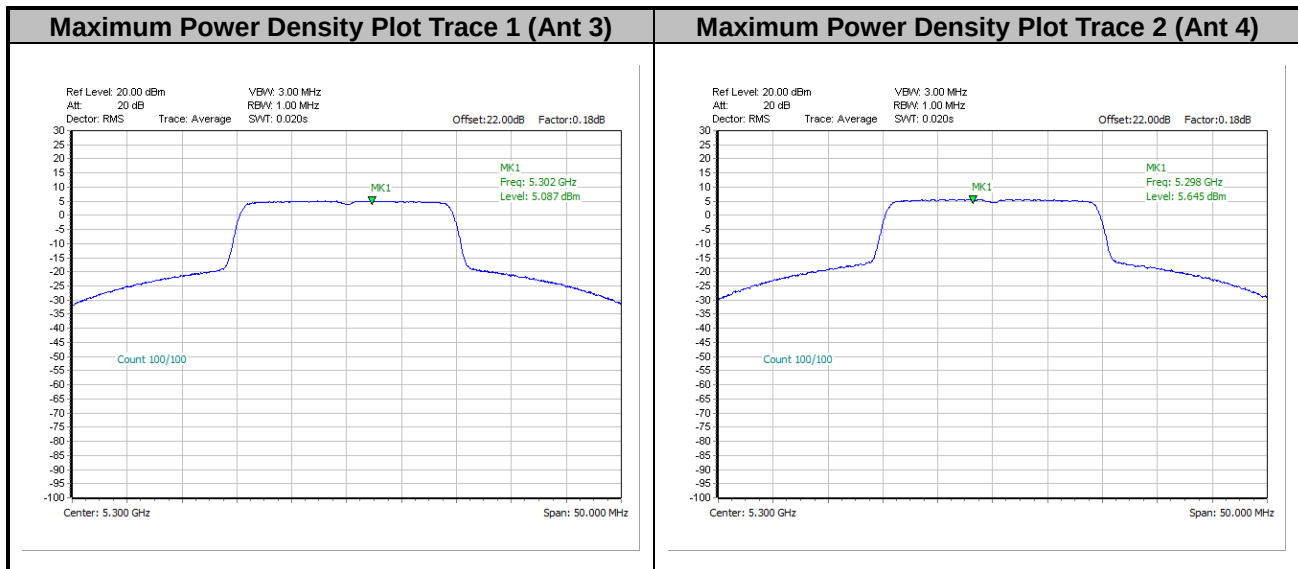




<802.11ax HE20>

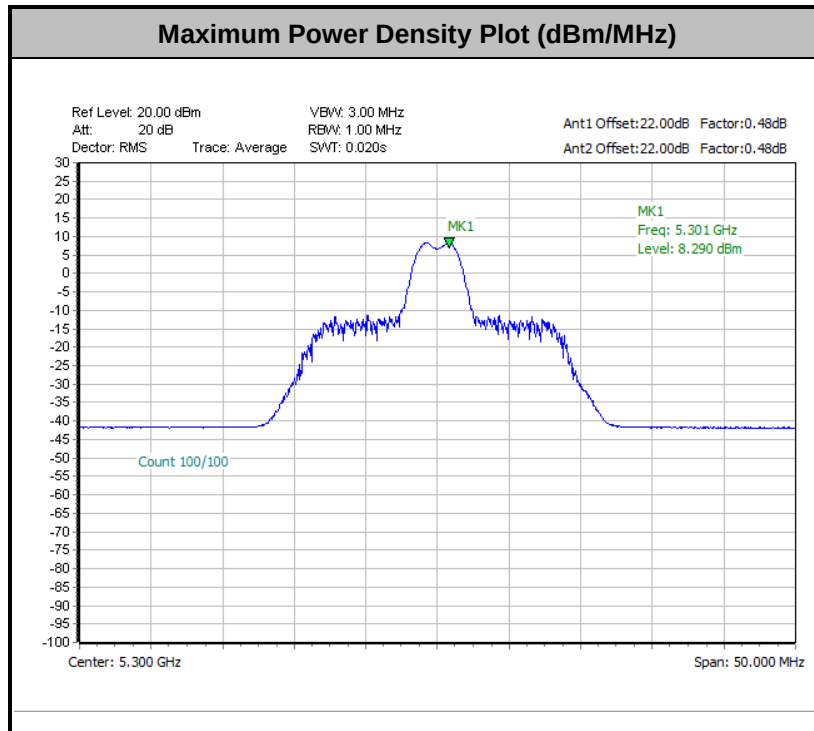


**Remark:** The test plot is showing a bin by bin combined result mathematically adds two traces.

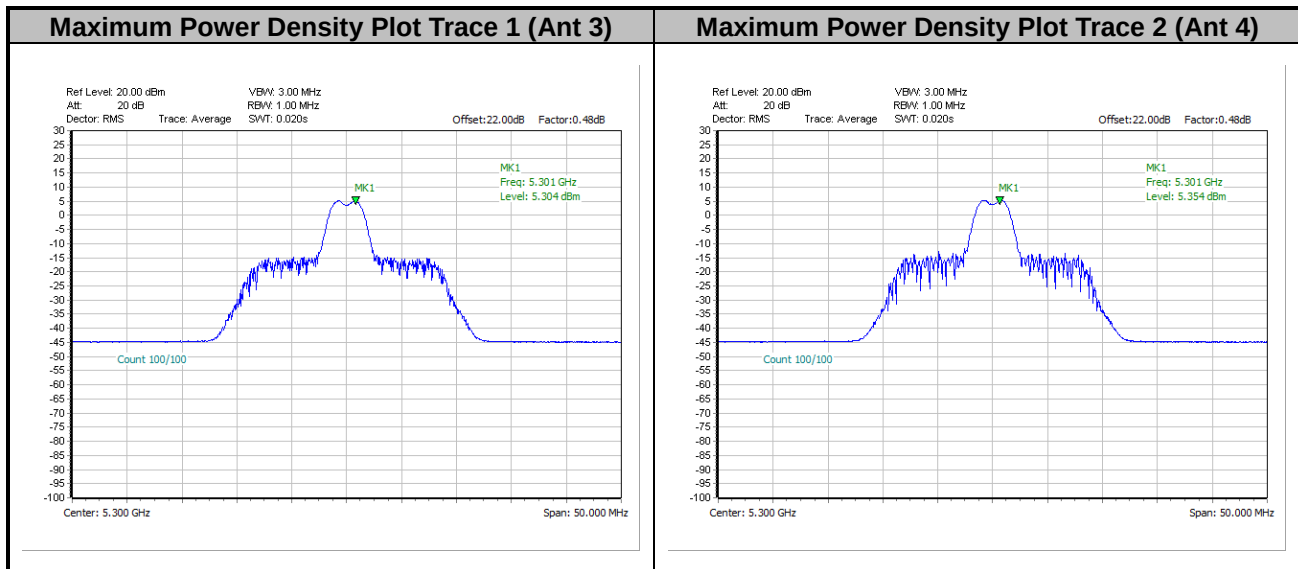




&lt;802.11ax HE20 26RU&gt;

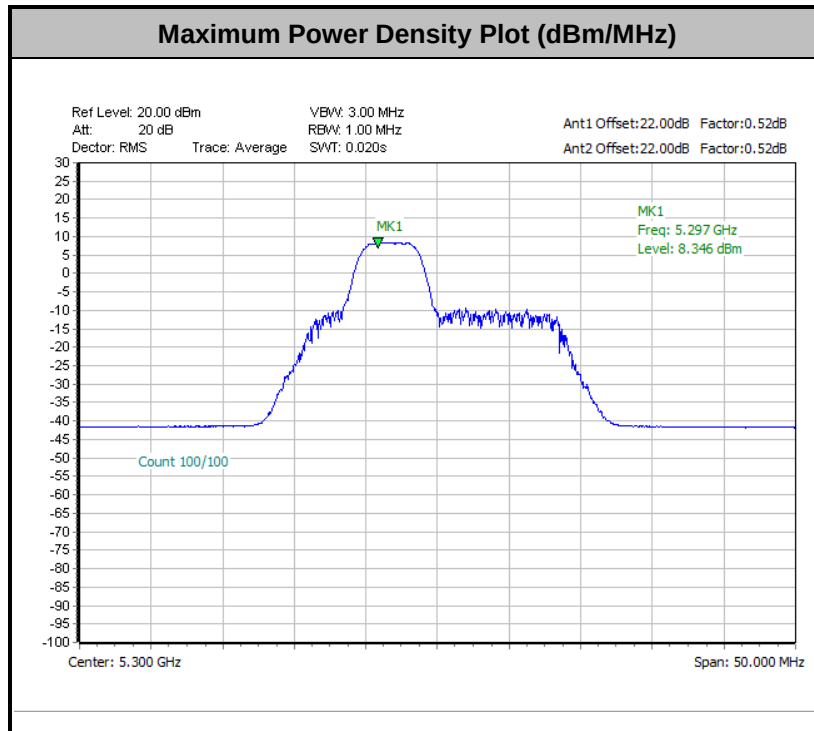


**Remark:** The test plot is showing a bin by bin combined result mathematically adds two traces.

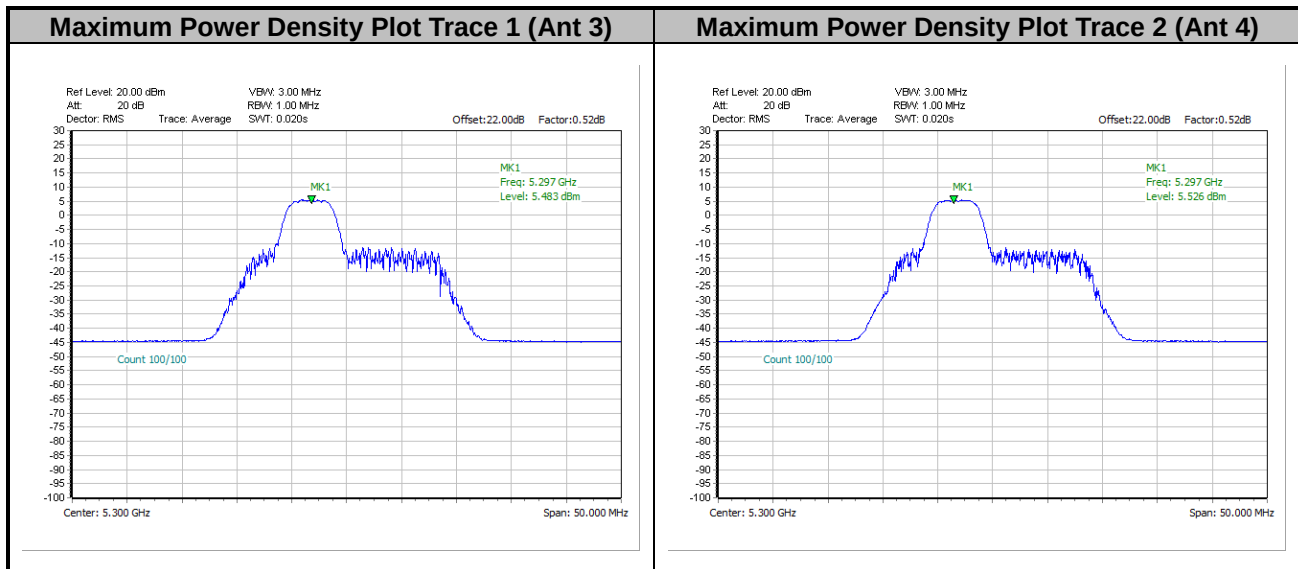




<802.11ax HE20 52RU>

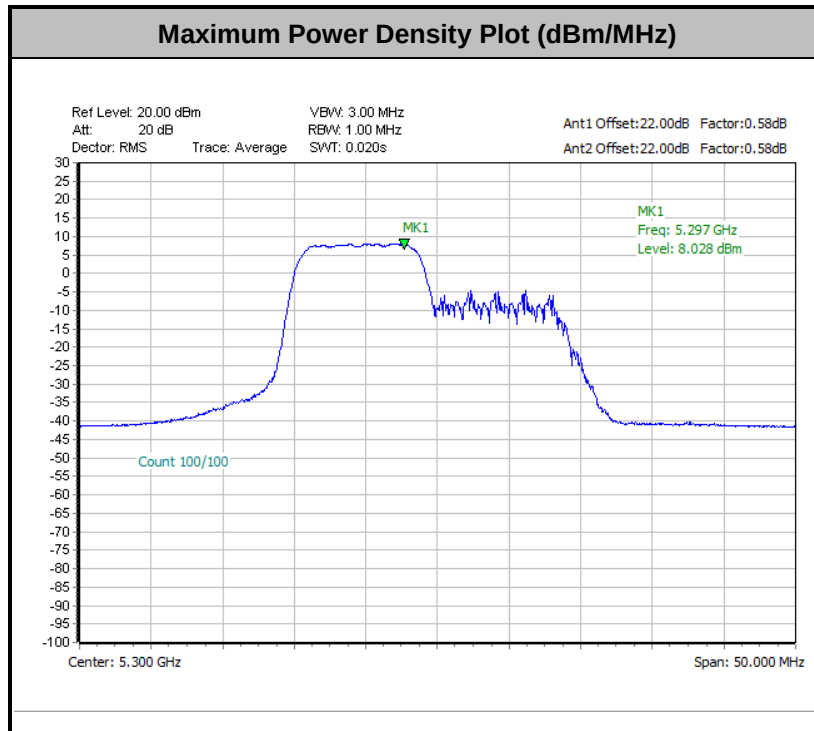


**Remark:** The test plot is showing a bin by bin combined result mathematically adds two traces.

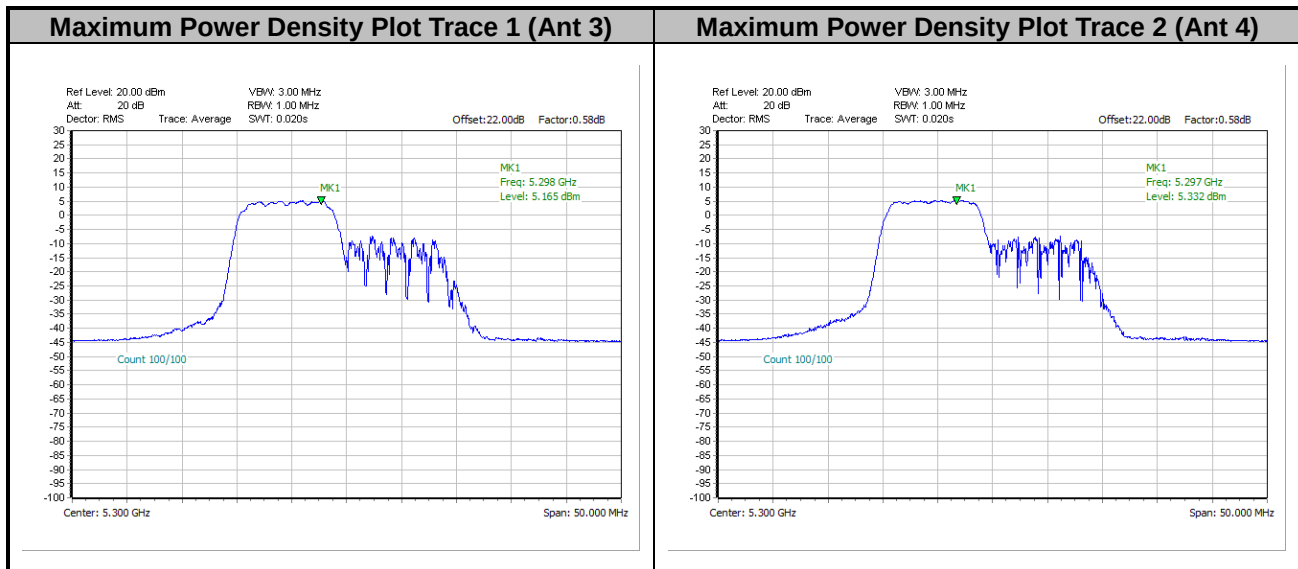




<802.11ax HE20 106RU>

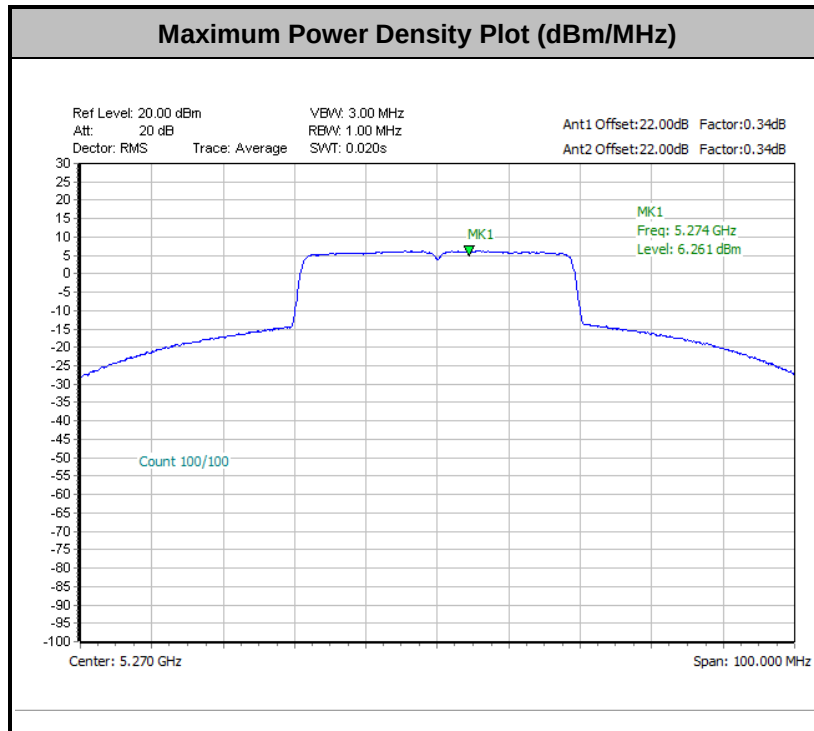


**Remark:** The test plot is showing a bin by bin combined result mathematically adds two traces.

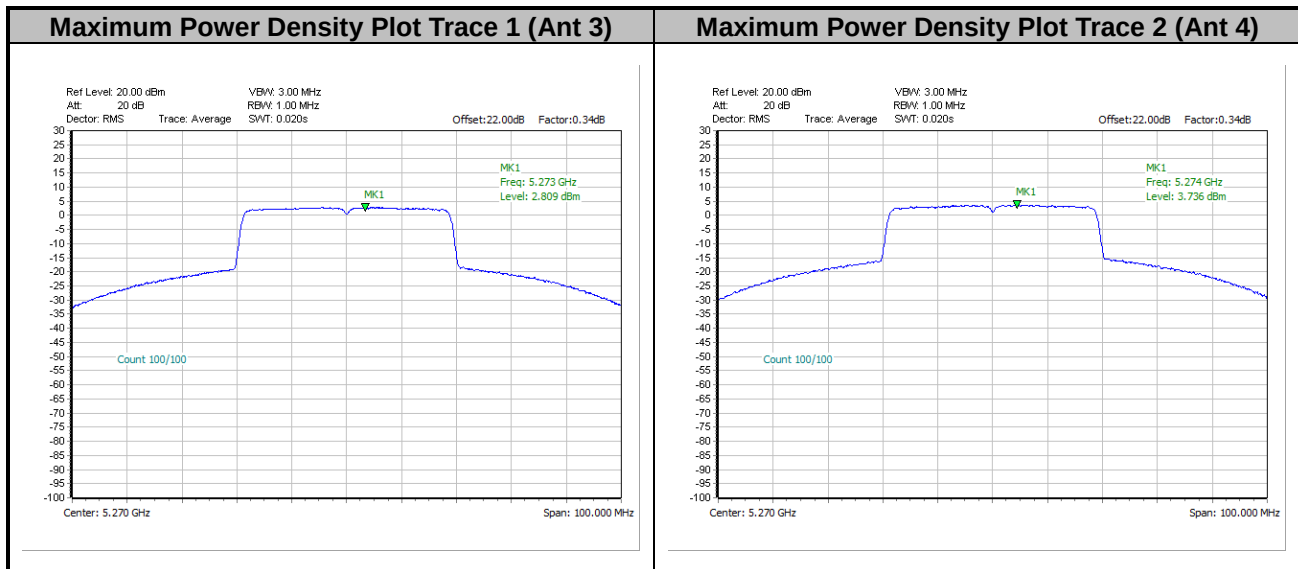




&lt;802.11ax HE40&gt;

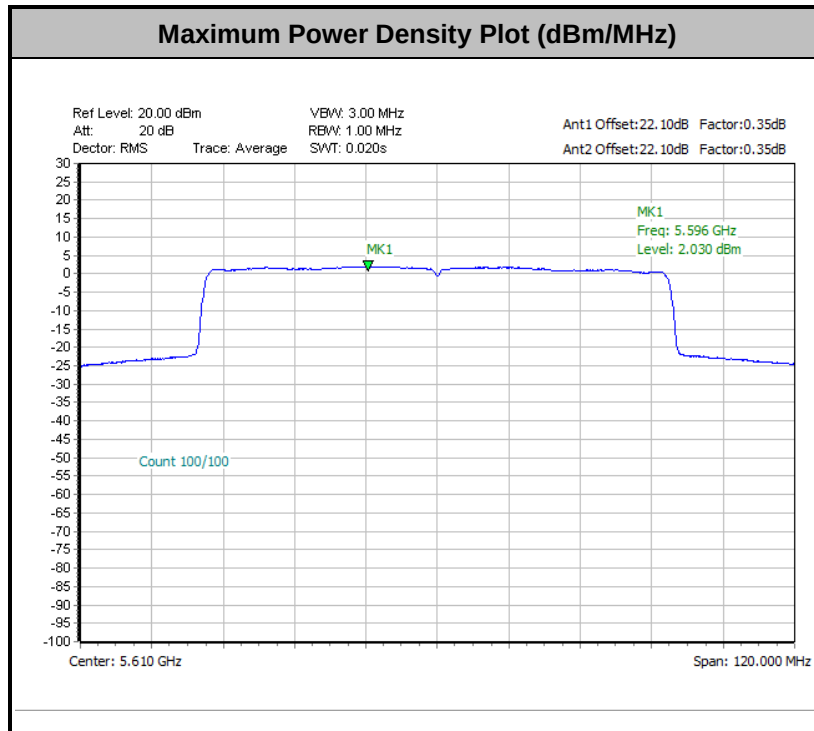


**Remark:** The test plot is showing a bin by bin combined result mathematically adds two traces.

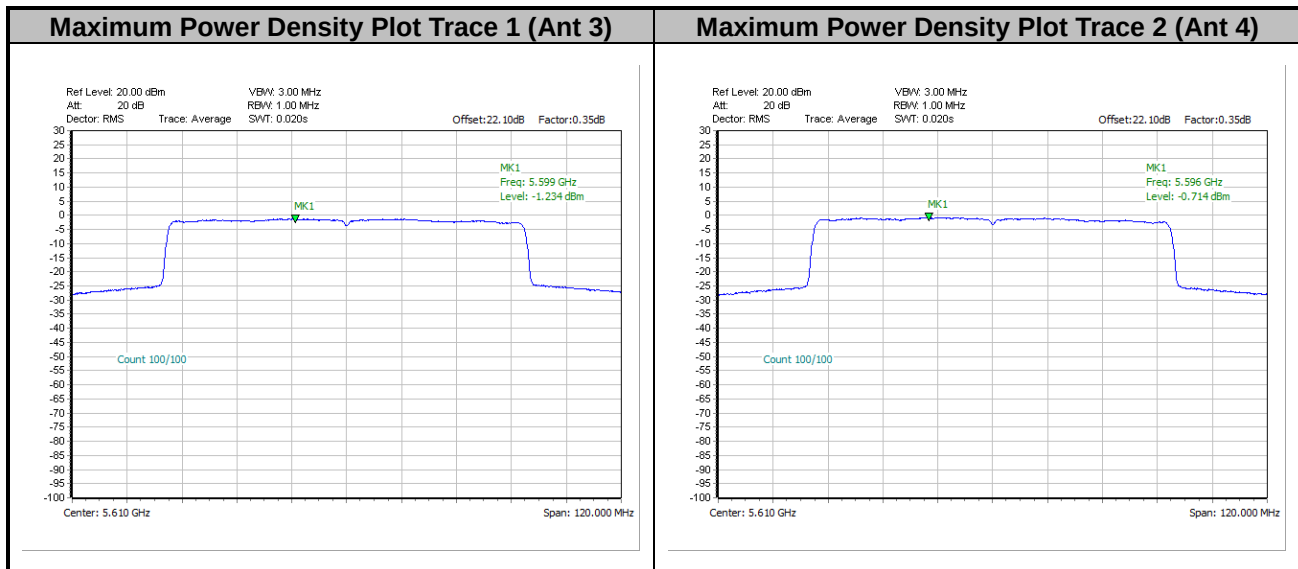




&lt;802.11ax HE80&gt;

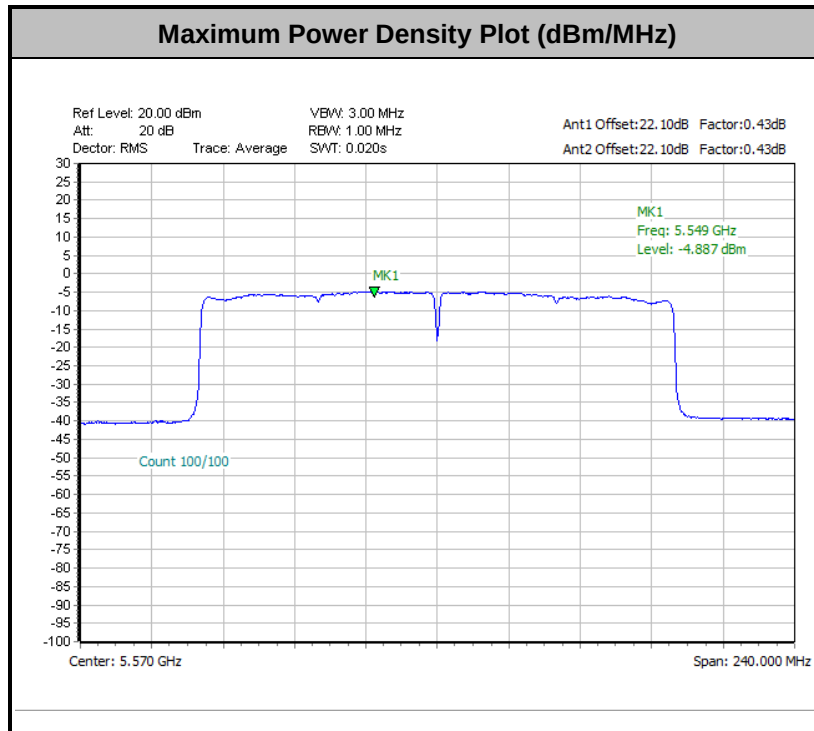


**Remark:** The test plot is showing a bin by bin combined result mathematically adds two traces.

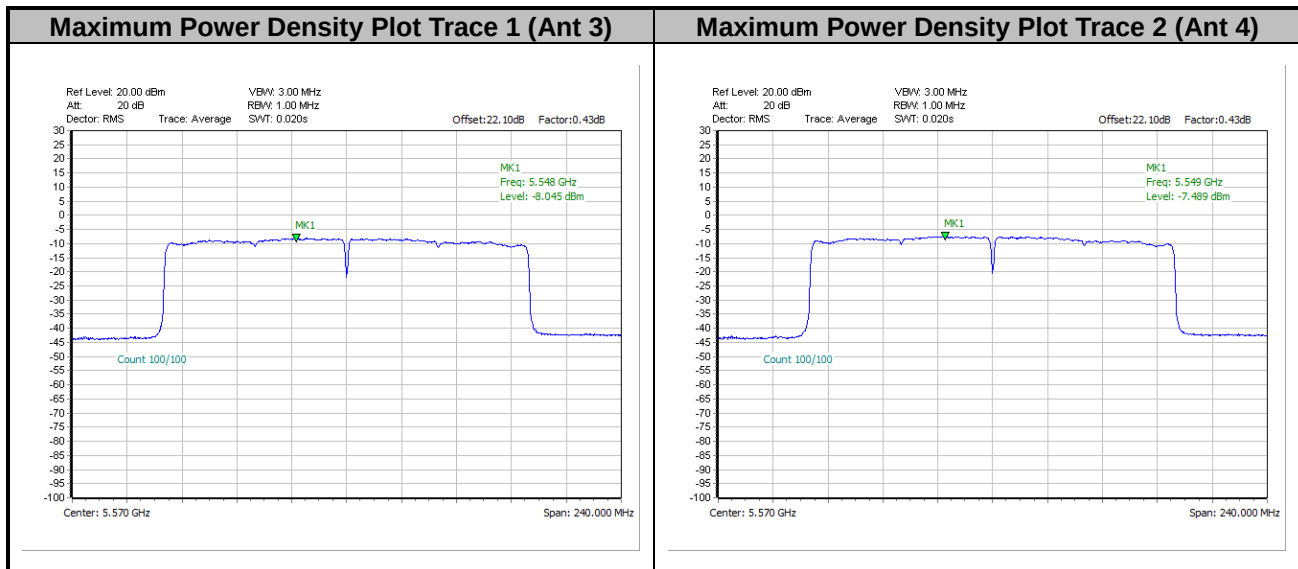




&lt;802.11ax HE160&gt;



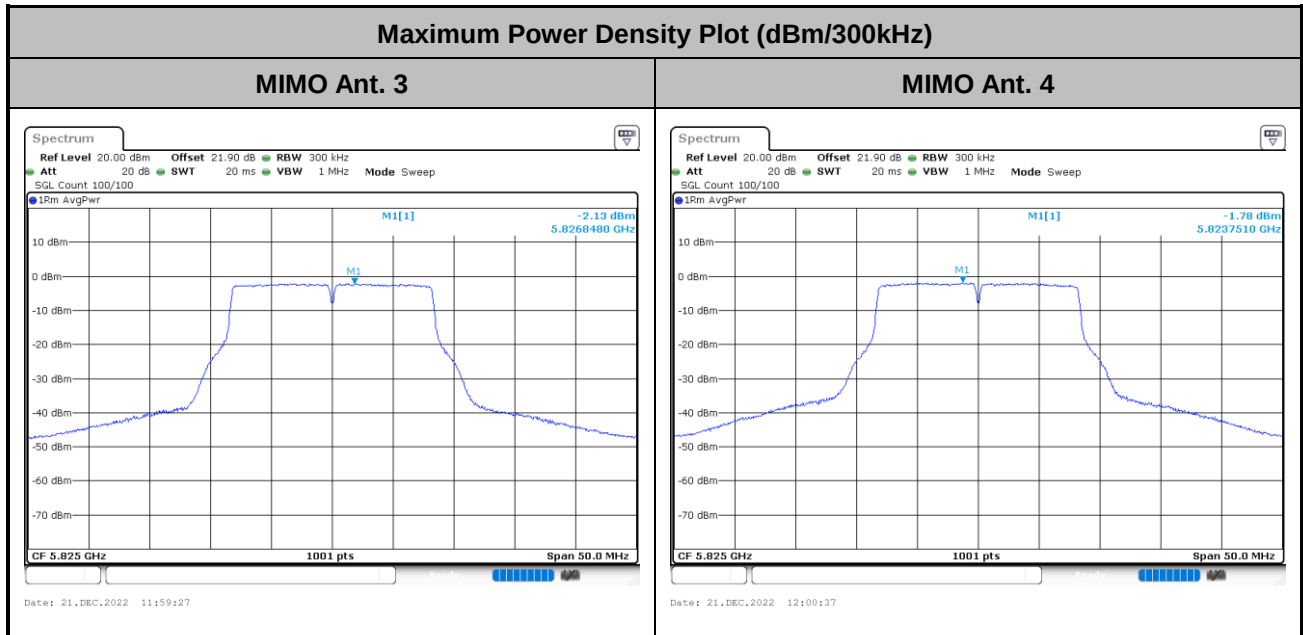
**Remark:** The test plot is showing a bin by bin combined result mathematically adds two traces.



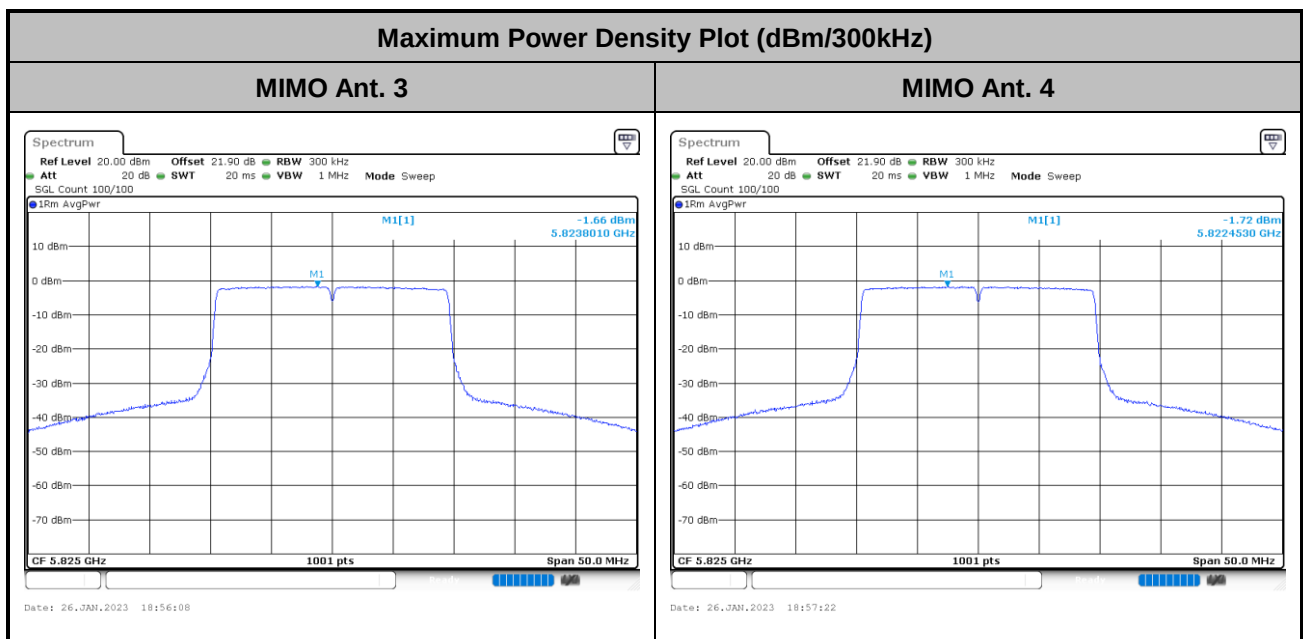


For the band 5.725–5.85 GHz:

<802.11a>

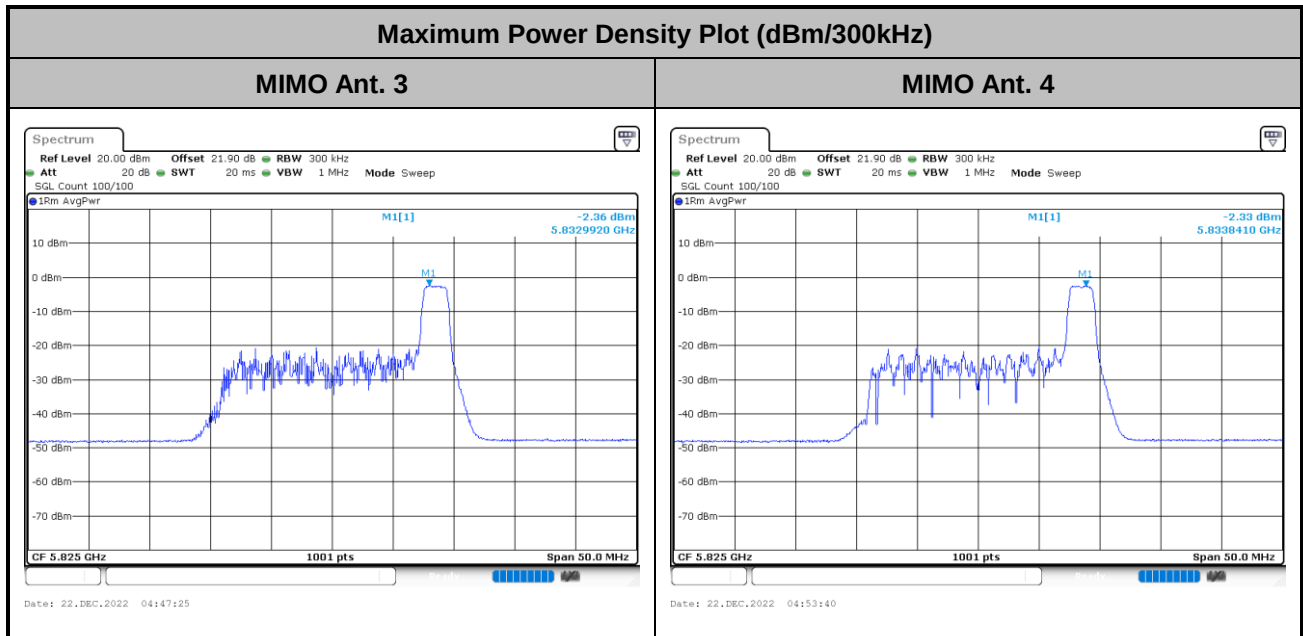


<802.11ax HE20>

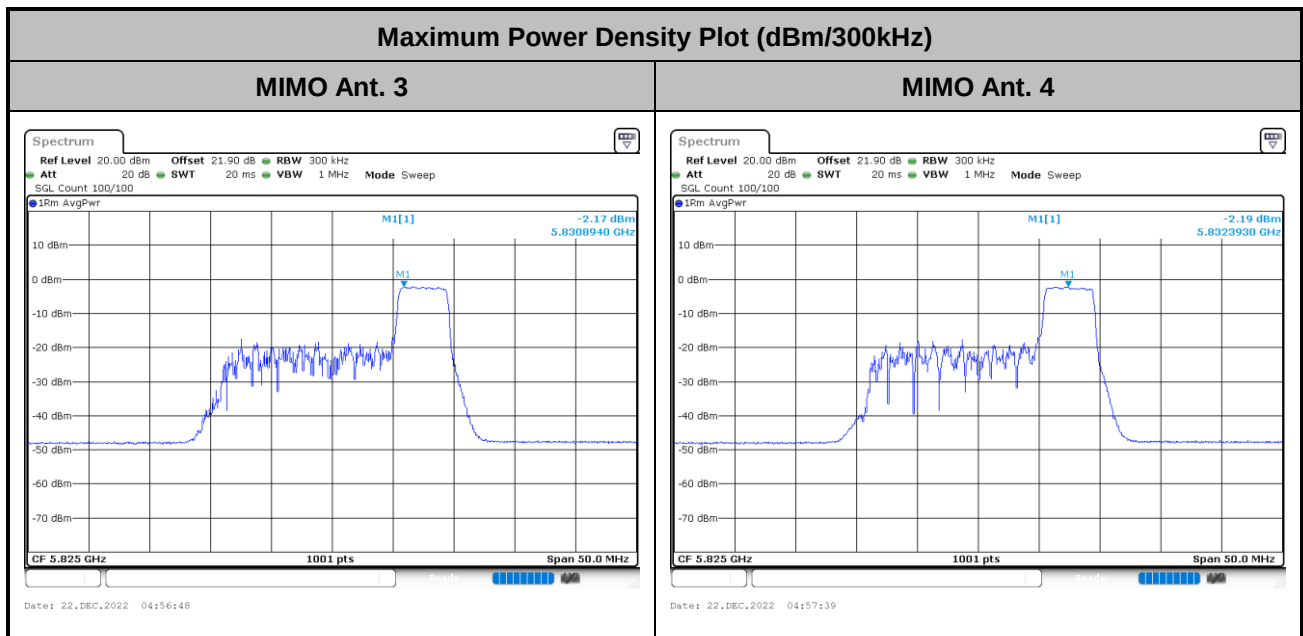




&lt;802.11ax HE20 26RU&gt;

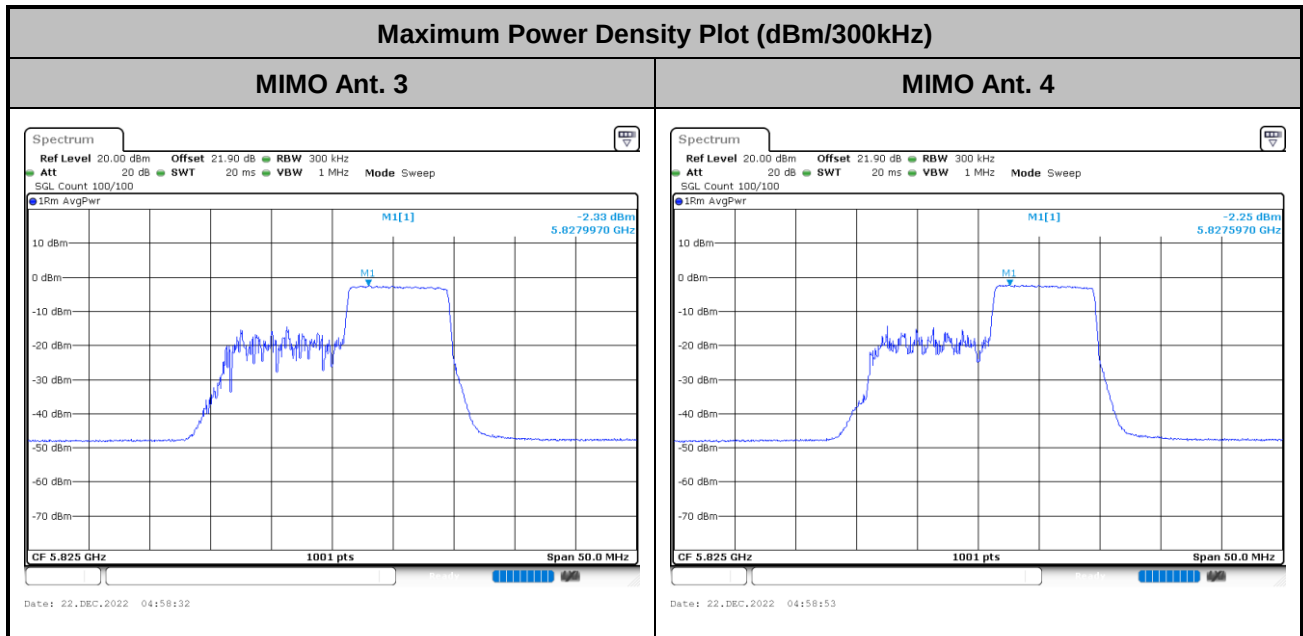


&lt;802.11ax HE20 52RU&gt;

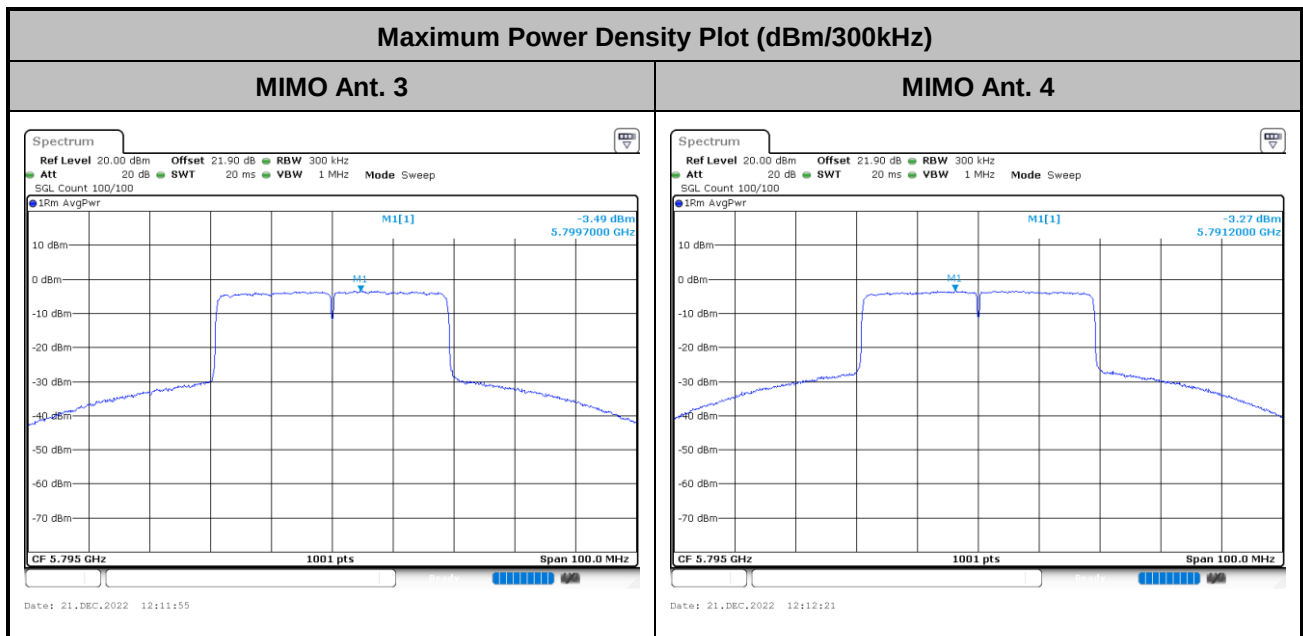




## &lt;802.11ax HE20 106RU&gt;



## &lt;802.11ax HE40&gt;

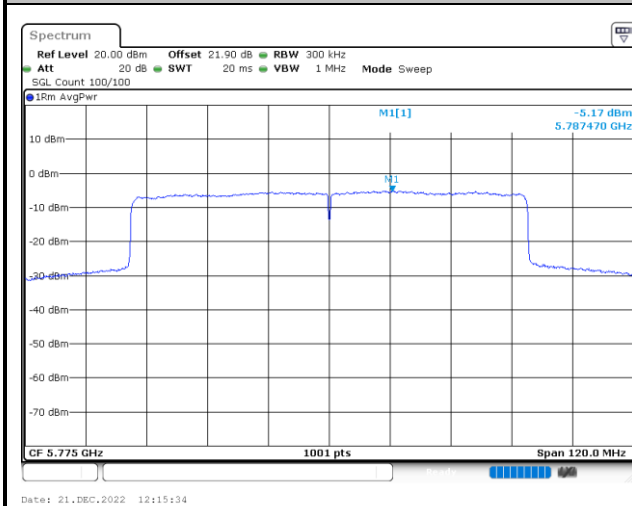




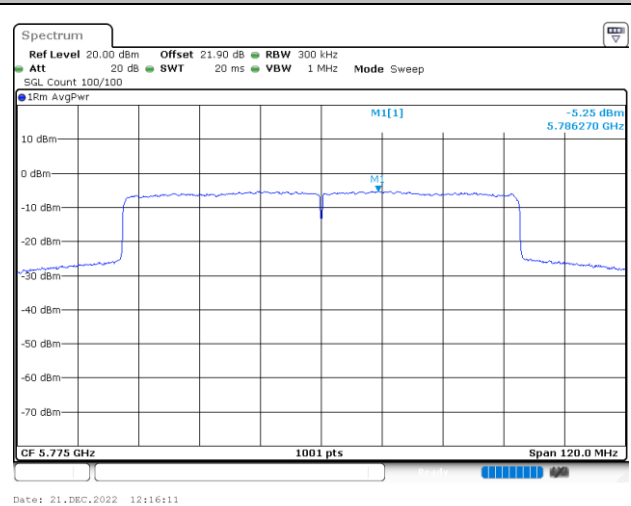
&lt;802.11ax HE80&gt;

## Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 3



MIMO Ant. 4



### 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.

For transmitters operating in the 5.725-5.85 GHz band:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

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

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

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

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

(i) 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

Please refer to the measuring equipment list in 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 1000 MHz

- 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

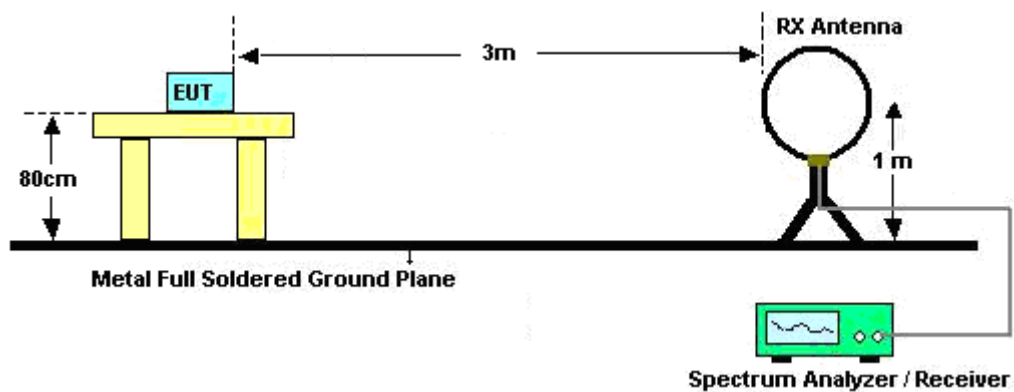
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

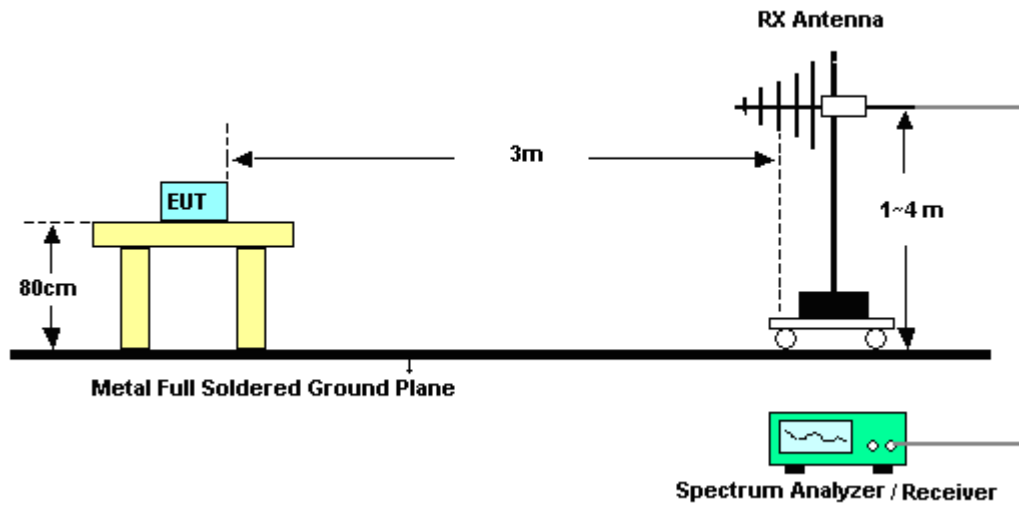
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna 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 is 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. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

### 3.4.4 Test Setup

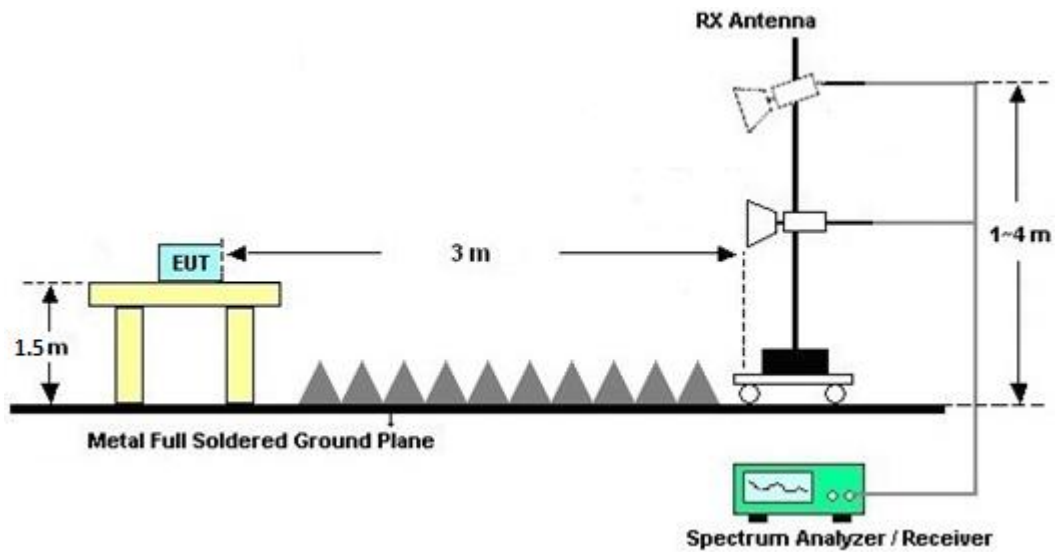
**For radiated emissions below 30MHz**



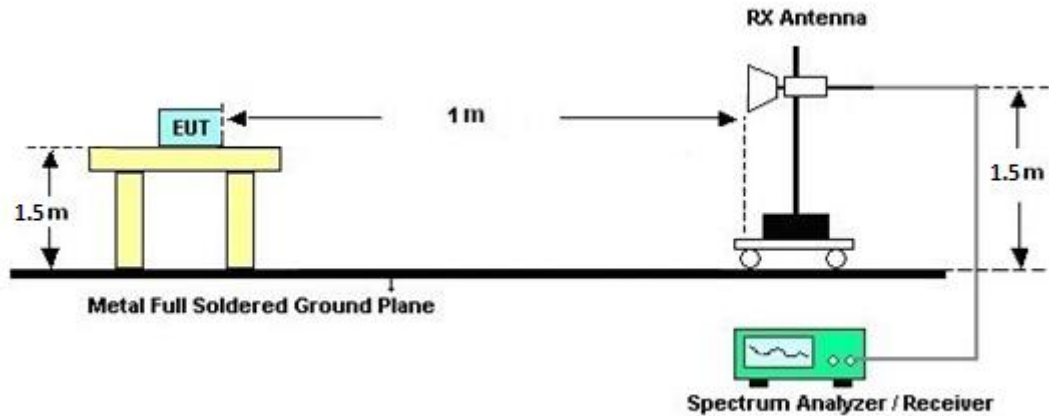
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

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

Please refer to Appendix C and D.

### 3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

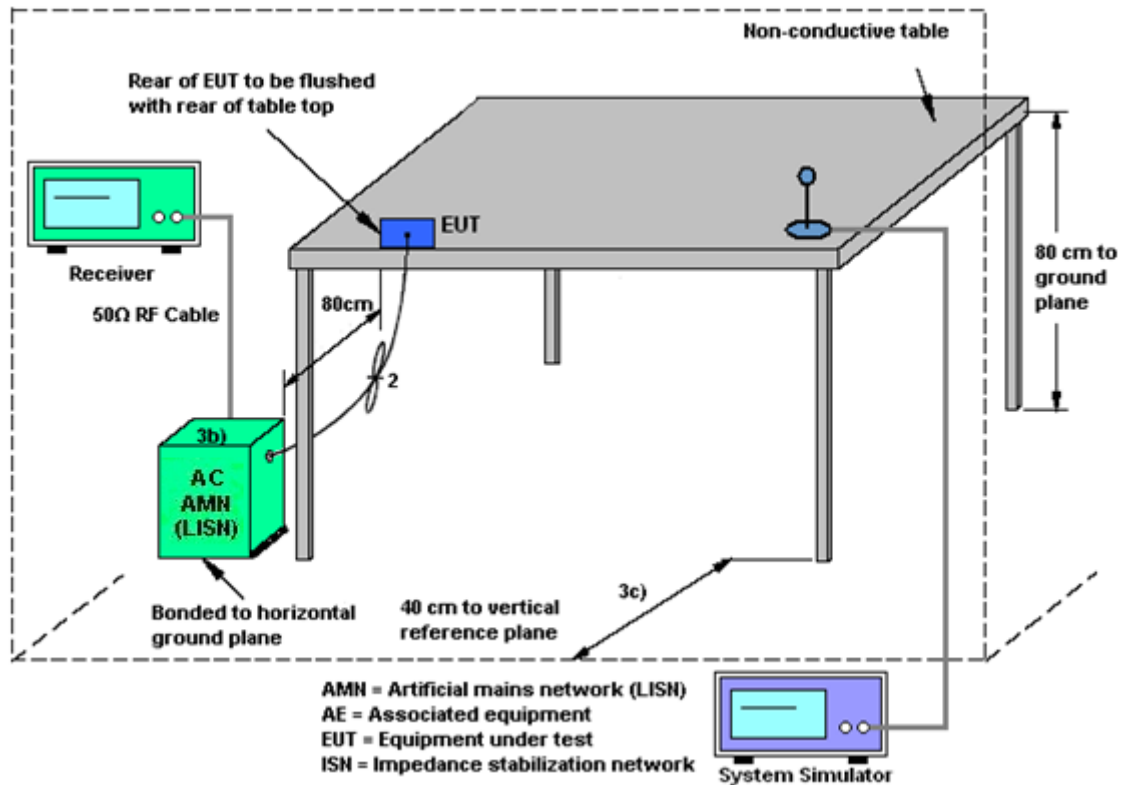
#### 3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

#### 3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
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 Antenna Requirements**

### **3.6.1 Standard Applicable**

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

### **3.6.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.



## 4 List of Measuring Equipment

| Instrument           | Brand Name        | Model No.                                | Serial No.  | Characteristics                  | Calibration Date | Test Date                        | Due Date      | Remark                   |
|----------------------|-------------------|------------------------------------------|-------------|----------------------------------|------------------|----------------------------------|---------------|--------------------------|
| Loop Antenna         | Rohde & Schwarz   | HFH2-Z2                                  | 100488      | 9 kHz~30 MHz                     | May 13, 2022     | Nov. 24, 2022~<br>Jan. 06, 2023  | May 12, 2023  | Radiation<br>(03CH13-HY) |
| Amplifier            | SONOMA            | 310N                                     | 187282      | 9kHz~1GHz                        | Dec. 15, 2021    | Nov. 24, 2022~<br>Dec. 13, 2022  | Dec. 14, 2022 | Radiation<br>(03CH13-HY) |
| Amplifier            | SONOMA            | 310N                                     | 187282      | 9kHz~1GHz                        | Dec. 14, 2022    | Dec. 14, 2022~<br>Jan. 06, 2023  | Dec. 13, 2023 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER +<br>SUHNER | SUCOFLEX 104                             | MY9837/4PE  | 9kHz~30MHz                       | Mar. 10, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Mar. 09, 2023 | Radiation<br>(03CH13-HY) |
| Preamplifier         | EMEC              | EM18G40G                                 | 060801      | 18GHz~40GHz                      | Jun. 28, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Jun. 27, 2023 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER +<br>SUHNER | SUCOFLEX 102                             | 505134/2    | 30MHz~40GHz                      | Feb. 21, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Feb. 20, 2023 | Radiation<br>(03CH13-HY) |
| Hygrometer           | TECPEL            | DTM-303B                                 | TP140325    | N/A                              | Aug. 15, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Aug. 14, 2023 | Radiation<br>(03CH13-HY) |
| Bilog Antenna        | TESEQ             | CBL 6111D &<br>00800N1D01N-06            | 40103 & 07  | 30MHz~1GHz                       | Apr. 24, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Apr. 23, 2023 | Radiation<br>(03CH13-HY) |
| Horn Antenna         | SCHWARZBE<br>CK   | BBHA 9120 D                              | 9120D-1241  | 1GHz~18GHz                       | Jul. 25, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Jul. 24, 2023 | Radiation<br>(03CH13-HY) |
| Preamplifier         | MITEQ             | AMF-7D-00101800<br>-30-10P               | 1590074     | 1GHz~18GHz                       | May 17, 2022     | Nov. 24, 2022~<br>Jan. 06, 2023  | May 16, 2023  | Radiation<br>(03CH13-HY) |
| Preamplifier         | Keysight          | 83017A                                   | MY53270147  | 1GHz~26.5GHz                     | Oct. 25, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Oct. 24, 2023 | Radiation<br>(03CH13-HY) |
| Spectrum Analyzer    | Keysight          | N9010A                                   | MY55370526  | 10Hz~44GHz                       | Mar. 18, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Mar. 17, 2023 | Radiation<br>(03CH13-HY) |
| Filter               | Wainwright        | WHKX12-2700-300<br>0-18000-60SS          | SN2         | 3GHz High<br>Pass Filter         | Jul. 11, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Jul. 10, 2023 | Radiation<br>(03CH13-HY) |
| Filter               | Wainwright        | WHKX8-5872.5-67<br>50-18000-40ST         | SN5         | 6.75GHz High<br>Pass Filter      | Mar. 10, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Mar. 09, 2023 | Radiation<br>(03CH13-HY) |
| Filter               | Wainwright        | WLK4-1000-1530-<br>8000-40SS             | SN12        | 1.53GHz Low<br>Pass Filter       | Sep. 13, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Sep. 12, 2023 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER +<br>SUHNER | SUCOFLEX 126E                            | 0030/126E   | 30MHz~18GHz                      | Feb. 09, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Feb. 08, 2023 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER +<br>SUHNER | SUCOFLEX 104                             | 804793/4    | 30MHz~18GHz                      | Feb. 09, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Feb. 08, 2023 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER +<br>SUHNER | SUCOFLEX 104                             | MY24961/4   | 30MHz~18GHz                      | Feb. 09, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Feb. 08, 2023 | Radiation<br>(03CH13-HY) |
| Controller           | EMEC              | EM1000                                   | N/A         | Control Turn<br>table & Ant Mast | N/A              | Nov. 24, 2022~<br>Jan. 06, 2023  | N/A           | Radiation<br>(03CH13-HY) |
| Notch Filter         | ST1               | STI15_9935_5150-<br>5850                 | N/A         | N/A                              | Apr. 07, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Apr. 06, 2023 | Radiation<br>(03CH13-HY) |
| Notch Filter         | ST1               | STI15_9935_5150-<br>5850                 | N/A         | N/A                              | Apr. 07, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Apr. 06, 2023 | Radiation<br>(03CH13-HY) |
| Notch Filter         | Wainwright        | WRCQV14-6025-6<br>425-7125-7525-60<br>SS | SN2         | N/A                              | Jan. 07, 2022    | Nov. 24, 2022 ~<br>Jan. 05, 2023 | Jan. 06, 2023 | Radiation<br>(03CH13-HY) |
| Filter               | Wainwright        | WHW2-7100-1000<br>0-18000-40CC           | SN2         | 10GHz High<br>Pass Filter        | Nov. 14, 2022    | Nov. 24, 2022~<br>Jan. 06, 2023  | Nov. 13, 2023 | Radiation<br>(03CH13-HY) |
| Antenna Mast         | EMEC              | AM-BS-4500-B                             | N/A         | 1m~4m                            | N/A              | Nov. 24, 2022~<br>Jan. 06, 2023  | N/A           | Radiation<br>(03CH13-HY) |
| SHF-EHF Horn Antenna | SCHWARZBE<br>CK   | BBHA9170                                 | BBHA9170576 | 18GHz~40GHz                      | May 14, 2022     | Nov. 24, 2022~<br>Jan. 06, 2023  | May 13, 2023  | Radiation<br>(03CH13-HY) |
| Turn Table           | EMEC              | TT2000                                   | N/A         | 0~360 Degree                     | N/A              | Nov. 24, 2022~<br>Jan. 06, 2023  | N/A           | Radiation<br>(03CH13-HY) |



| Instrument           | Brand Name         | Model No.     | Serial No.                 | Characteristics      | Calibration Date | Test Date                       | Due Date      | Remark                  |
|----------------------|--------------------|---------------|----------------------------|----------------------|------------------|---------------------------------|---------------|-------------------------|
| Hygrometer           | TECEPIL            | DTM-303A      | TP201996                   | N/A                  | Nov. 17, 2022    | Nov. 24, 2022~<br>Jan. 26, 2023 | Nov. 16, 2023 | Conducted<br>(TH05-HY)  |
| Power Sensor         | DARE               | RPR3006W      | 15100041SNO<br>10 (NO:248) | 10MHz~6GHz           | Dec. 29, 2021    | Nov. 24, 2022~<br>Dec. 22, 2022 | Dec. 28, 2022 | Conducted<br>(TH05-HY)  |
| USB Power<br>Sensor  | DARE               | RPR3006W      | 17100015SNO<br>36 (NO:35)  | 10MHz~6GHz           | Sep. 04, 2022    | Nov. 24, 2022~<br>Dec. 22, 2022 | Sep. 03, 2023 | Conducted<br>(TH05-HY)  |
| Signal<br>Analyzer   | Rohde &<br>Schwarz | FSV40         | 101905                     | 10Hz -<br>40GHz(amp) | Aug. 03, 2022    | Nov. 24, 2022~<br>Jan. 26, 2023 | Aug. 02, 2023 | Conducted<br>(TH05-HY)  |
| AC Power<br>Source   | ChainTek           | APC-1000W     | N/A                        | N/A                  | N/A              | Dec. 07, 2022                   | N/A           | Conduction<br>(CO05-HY) |
| EMI Test<br>Receiver | Rohde &<br>Schwarz | ESR3          | 102388                     | 9kHz~3.6GHz          | Dec. 01, 2022    | Dec. 07, 2022                   | Nov. 30, 2023 | Conduction<br>(CO05-HY) |
| Hygrometer           | Testo              | 608-H1        | 34913912                   | N/A                  | Nov. 17, 2022    | Dec. 07, 2022                   | Nov. 16, 2023 | Conduction<br>(CO05-HY) |
| LISN                 | Rohde &<br>Schwarz | ENV216        | 100081                     | 9kHz~30MHz           | Nov. 17, 2022    | Dec. 07, 2022                   | Nov. 16, 2023 | Conduction<br>(CO05-HY) |
| Software             | Rohde &<br>Schwarz | EMC32         | N/A                        | N/A                  | N/A              | Dec. 07, 2022                   | N/A           | Conduction<br>(CO05-HY) |
| Pulse Limiter        | SCHWARZBE<br>CK    | VTSD 9561-F N | 00691                      | N/A                  | Aug. 01, 2022    | Dec. 07, 2022                   | Jul. 31, 2023 | Conduction<br>(CO05-HY) |
| LISN Cable           | MVE                | RG-400        | 260260                     | N/A                  | Dec. 30, 2021    | Dec. 07, 2022                   | Dec. 29, 2022 | Conduction<br>(CO05-HY) |



## 5 Uncertainty of Evaluation

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

|                                                                            |        |
|----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 3.5 dB |
|----------------------------------------------------------------------------|--------|

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

|                                                                            |        |
|----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 6.5 dB |
|----------------------------------------------------------------------------|--------|

### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

|                                                                            |        |
|----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 4.4 dB |
|----------------------------------------------------------------------------|--------|

### Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

|                                                                            |        |
|----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 4.8 dB |
|----------------------------------------------------------------------------|--------|

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

|                                                                            |        |
|----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 5.3 dB |
|----------------------------------------------------------------------------|--------|

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

|                |                       |                    |       |    |
|----------------|-----------------------|--------------------|-------|----|
| Test Engineer: | Hank Hsu              | Temperature:       | 21~25 | °C |
| Test Date:     | 2022/11/24~2023/01/26 | Relative Humidity: | 51~54 | %  |

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

| U-NII-1 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 3               | Ant 4 | Ant 3                 | Ant 4 | Ant 3                              | Ant 4 | Ant 3                             | Ant 4 |      |
| 11a          | 6Mbps     | 2   | 36  | 5180        | 17.28               | 17.18 | 24.35                 | 24.55 | -                                  |       | 22.35                             |       |      |
| 11a          | 6Mbps     | 2   | 44  | 5220        | 17.98               | 18.68 | 30.85                 | 34.30 | -                                  |       | 22.55                             |       |      |
| 11a          | 6Mbps     | 2   | 48  | 5240        | 17.53               | 17.78 | 27.00                 | 34.10 | -                                  |       | 22.44                             |       |      |

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

| FCC U-NII-1 MIMO |           |     |     |             |                               |       |       |                                 |       |          |       |           |
|------------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.             | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                  |           |     |     |             | Ant 3                         | Ant 4 | SUM   | Ant 3                           | Ant 4 | Ant 3    | Ant 4 |           |
| 11a              | 6Mbps     | 2   | 36  | 5180        | 16.30                         | 16.70 | 19.51 | 24.00                           |       | -1.80    |       | Pass      |
| 11a              | 6Mbps     | 2   | 44  | 5220        | 18.40                         | 19.10 | 21.77 | 24.00                           |       | -1.80    |       | Pass      |
| 11a              | 6Mbps     | 2   | 48  | 5240        | 17.20                         | 18.00 | 20.63 | 24.00                           |       | -1.80    |       | Pass      |
| HT20             | MCS0      | 2   | 36  | 5180        | 17.80                         | 18.40 | 21.12 | 24.00                           |       | -1.80    |       | Pass      |
| HT20             | MCS0      | 2   | 44  | 5220        | 19.00                         | 19.60 | 22.32 | 24.00                           |       | -1.80    |       | Pass      |
| HT20             | MCS0      | 2   | 48  | 5240        | 17.90                         | 18.60 | 21.27 | 24.00                           |       | -1.80    |       | Pass      |
| HT40             | MCS0      | 2   | 38  | 5190        | 15.50                         | 16.00 | 18.77 | 24.00                           |       | -1.80    |       | Pass      |
| HT40             | MCS0      | 2   | 46  | 5230        | 19.20                         | 19.80 | 22.52 | 24.00                           |       | -1.80    |       | Pass      |
| VHT20            | MCS0      | 2   | 36  | 5180        | 17.90                         | 18.40 | 21.17 | 24.00                           |       | -1.80    |       | Pass      |
| VHT20            | MCS0      | 2   | 44  | 5220        | 19.10                         | 19.60 | 22.37 | 24.00                           |       | -1.80    |       | Pass      |
| VHT20            | MCS0      | 2   | 48  | 5240        | 18.00                         | 18.60 | 21.32 | 24.00                           |       | -1.80    |       | Pass      |
| VHT40            | MCS0      | 2   | 38  | 5190        | 15.60                         | 16.00 | 18.81 | 24.00                           |       | -1.80    |       | Pass      |
| VHT40            | MCS0      | 2   | 46  | 5230        | 19.30                         | 19.80 | 22.57 | 24.00                           |       | -1.80    |       | Pass      |
| VHT80            | MCS0      | 2   | 42  | 5210        | 15.70                         | 15.90 | 18.81 | 24.00                           |       | -1.80    |       | Pass      |
| VHT160           | MCS0      | 2   | 50  | 5250        | 13.00                         | 13.10 | 16.06 | 24.00                           |       | -1.80    |       | Pass      |

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

| FCC U-NII-1 MIMO |           |     |     |             |                  |       |                                                  |       |      |                             |       |          |       |            |
|------------------|-----------|-----|-----|-------------|------------------|-------|--------------------------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod.             | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density with Duty Factor (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|                  |           |     |     |             | Ant 3            | Ant 4 | Ant 3                                            | Ant 4 | SUM  | Ant 3                       | Ant 4 | Ant 3    | Ant 4 |            |
| 11a              | 6Mbps     | 2   | 36  | 5180        | 0.29             | 0.29  |                                                  |       | 6.45 | 11.00                       |       | -0.20    |       | Pass       |
| 11a              | 6Mbps     | 2   | 44  | 5220        | 0.29             | 0.29  |                                                  |       | 8.28 | 11.00                       |       | -0.20    |       | Pass       |
| 11a              | 6Mbps     | 2   | 48  | 5240        | 0.29             | 0.29  |                                                  |       | 7.42 | 11.00                       |       | -0.20    |       | Pass       |

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

| U-NII-2A MIMO |           |                 |     |             |                     |       |                       |       |                                    |       |                                   |       |                                      |       |      |
|---------------|-----------|-----------------|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod.          | Data Rate | N <sub>TX</sub> | 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 3               | Ant 4 | Ant 3                 | Ant 4 | Ant 3                              | Ant 4 | Ant 3                             | Ant 4 | Ant 3                                | Ant 4 |      |
| 11a           | 6Mbps     | 2               | 52  | 5260        | 17.68               | 17.83 | 30.60                 | 32.30 | 23.48                              |       | 29.48                             |       | 23.98                                |       |      |
| 11a           | 6Mbps     | 2               | 60  | 5300        | 17.98               | 18.48 | 30.50                 | 34.10 | 23.55                              |       | 29.55                             |       | 23.98                                |       |      |
| 11a           | 6Mbps     | 2               | 64  | 5320        | 17.93               | 18.38 | 31.30                 | 34.15 | 23.54                              |       | 29.54                             |       | 23.98                                |       |      |

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

| FCC U-NII-2A 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 3                         | Ant 4 | SUM   | Ant 3                           | Ant 4 | Ant 3    | Ant 4 |                        |           |
| 11a               | 6Mbps     | 2   | 52  | 5260        | 17.50                         | 18.00 | 20.77 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| 11a               | 6Mbps     | 2   | 60  | 5300        | 18.70                         | 19.20 | 21.97 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| 11a               | 6Mbps     | 2   | 64  | 5320        | 18.20                         | 18.60 | 21.41 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HT20              | MCS0      | 2   | 52  | 5260        | 18.00                         | 18.60 | 21.32 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HT20              | MCS0      | 2   | 60  | 5300        | 19.30                         | 19.60 | 22.46 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HT20              | MCS0      | 2   | 64  | 5320        | 18.60                         | 18.90 | 21.76 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HT40              | MCS0      | 2   | 54  | 5270        | 19.10                         | 19.70 | 22.42 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HT40              | MCS0      | 2   | 62  | 5310        | 16.60                         | 16.80 | 19.71 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 52  | 5260        | 18.10                         | 18.60 | 21.37 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 60  | 5300        | 19.40                         | 19.60 | 22.51 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 64  | 5320        | 18.70                         | 18.90 | 21.81 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| VHT40             | MCS0      | 2   | 54  | 5270        | 19.20                         | 19.70 | 22.47 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| VHT40             | MCS0      | 2   | 62  | 5310        | 16.70                         | 16.80 | 19.76 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| VHT80             | MCS0      | 2   | 58  | 5290        | 16.00                         | 16.20 | 19.11 | 23.98                           |       | -1.30    |       | 30                     | Pass      |

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

| U-NII-2A MIMO |           |     |     |             |                  |       |                                                  |       |      |                             |       |          |       |            |
|---------------|-----------|-----|-----|-------------|------------------|-------|--------------------------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod.          | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density with Duty Factor (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|               |           |     |     |             | Ant 3            | Ant 4 | Ant 3                                            | Ant 4 | SUM  | Ant 3                       | Ant 4 | Ant 3    | Ant 4 |            |
| 11a           | 6Mbps     | 2   | 52  | 5260        | 0.29             | 0.29  |                                                  |       | 8.02 | 11.00                       |       | 0.02     |       | Pass       |
| 11a           | 6Mbps     | 2   | 60  | 5300        | 0.29             | 0.29  |                                                  |       | 8.63 | 11.00                       |       | 0.02     |       | Pass       |
| 11a           | 6Mbps     | 2   | 64  | 5320        | 0.29             | 0.29  |                                                  |       | 8.63 | 11.00                       |       | 0.02     |       | Pass       |

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

| U-NII-2C 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 3                           | Ant 4 | Ant 3                             | Ant 4 | Ant 3                              | Ant 4 | Ant 3                             | Ant 4 | Ant 3                                | Ant 4 | Ant 3                                     | Ant 4 |
| 11a           | 6Mbps     | 2   | 100 | 5500        | 17.13                           | 17.03 | 21.65                             | 21.50 | 23.31                              |       | 29.31                             |       | 23.98                                |       | ----                                      | ----  |
| 11a           | 6Mbps     | 2   | 116 | 5580        | 17.13                           | 16.93 | 21.60                             | 21.55 | 23.29                              |       | 29.29                             |       | 23.98                                |       | ----                                      | ----  |
| 11a           | 6Mbps     | 2   | 140 | 5700        | 17.13                           | 16.88 | 21.70                             | 21.60 | 23.27                              |       | 29.27                             |       | 23.98                                |       | ----                                      | ----  |

| U-NII-2C straddle channel 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 3                           | Ant 4 | Ant 3                             | Ant 4 | Ant 3                              | Ant 4 | Ant 3                             | Ant 4 | Ant 3                                | Ant 4 | Ant 3                                     | Ant 4 |
| 11a                            | 6Mbps     | 2   | 144 | 5720        | 13.54                           | 13.39 | 15.75                             | 15.70 | 22.27                              |       | 28.27                             |       | 22.96                                |       | 3.25                                      | 3.25  |

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

| FCC U-NII-2C 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 3                         | Ant 4 | SUM   | Ant 3                           | Ant 4 | Ant 3    | Ant 4 |                        |           |
| 11a               | 6Mbps     | 2   | 100 | 5500        | 14.90                         | 15.80 | 18.38 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| 11a               | 6Mbps     | 2   | 116 | 5580        | 15.30                         | 16.00 | 18.67 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| 11a               | 6Mbps     | 2   | 140 | 5700        | 14.50                         | 14.50 | 17.51 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HT20              | MCS0      | 2   | 100 | 5500        | 15.40                         | 15.90 | 18.67 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HT20              | MCS0      | 2   | 116 | 5580        | 15.80                         | 16.40 | 19.12 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HT20              | MCS0      | 2   | 140 | 5700        | 15.20                         | 15.30 | 18.26 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HT40              | MCS0      | 2   | 102 | 5510        | 16.30                         | 16.90 | 19.62 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HT40              | MCS0      | 2   | 110 | 5550        | 15.70                         | 16.40 | 19.07 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HT40              | MCS0      | 2   | 134 | 5670        | 18.70                         | 19.00 | 21.86 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 100 | 5500        | 15.40                         | 16.00 | 18.72 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 116 | 5580        | 15.80                         | 16.50 | 19.17 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT20             | MCS0      | 2   | 140 | 5700        | 15.20                         | 15.40 | 18.31 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT40             | MCS0      | 2   | 102 | 5510        | 16.30                         | 17.00 | 19.67 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT40             | MCS0      | 2   | 110 | 5550        | 15.70                         | 16.50 | 19.13 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT40             | MCS0      | 2   | 134 | 5670        | 18.70                         | 19.10 | 21.91 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT80             | MCS0      | 2   | 106 | 5530        | 16.20                         | 16.60 | 19.41 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT80             | MCS0      | 2   | 122 | 5610        | 18.10                         | 18.60 | 21.37 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT160            | MCS0      | 2   | 114 | 5570        | 13.70                         | 14.10 | 16.91 | 23.98                           |       | -0.70    |       | 30                     | Pass      |

| FCC U-NII-2C straddle channel 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 3                         | Ant 4 | SUM   | Ant 3                           | Ant 4 | Ant 3    | Ant 4 |                        |           |
| 11a                                | 6Mbps     | 2   | 144 | 5720        | 15.30                         | 15.20 | 18.26 | 22.96                           |       | -0.70    |       | 30                     | Pass      |
| HT20                               | MCS0      | 2   | 144 | 5720        | 15.80                         | 15.50 | 18.66 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HT40                               | MCS0      | 2   | 142 | 5710        | 17.20                         | 16.90 | 20.06 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT20                              | MCS0      | 2   | 144 | 5720        | 15.80                         | 15.60 | 18.71 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT40                              | MCS0      | 2   | 142 | 5710        | 17.20                         | 17.00 | 20.11 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| VHT80                              | MCS0      | 2   | 138 | 5690        | 18.10                         | 18.00 | 21.06 | 23.98                           |       | -0.70    |       | 30                     | Pass      |

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

| U-NII-2C MIMO |           |     |     |             |                  |       |                                                  |       |      |                             |       |          |       |            |
|---------------|-----------|-----|-----|-------------|------------------|-------|--------------------------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod.          | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density with Duty Factor (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|               |           |     |     |             | Ant 3            | Ant 4 | Ant 3                                            | Ant 4 | SUM  | Ant 3                       | Ant 4 | Ant 3    | Ant 4 |            |
| 11a           | 6Mbps     | 2   | 100 | 5500        | 0.29             | 0.29  |                                                  |       | 5.04 | 11.00                       |       | 1.02     |       | Pass       |
| 11a           | 6Mbps     | 2   | 116 | 5580        | 0.29             | 0.29  |                                                  |       | 5.13 | 11.00                       |       | 1.02     |       | Pass       |
| 11a           | 6Mbps     | 2   | 140 | 5700        | 0.29             | 0.29  |                                                  |       | 4.48 | 11.00                       |       | 1.02     |       | Pass       |

| U-NII-2C straddle channel MIMO |           |     |     |             |                  |       |                                 |       |      |                             |       |          |       |            |
|--------------------------------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod.                           | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|                                |           |     |     |             | Ant 3            | Ant 4 | Ant 3                           | Ant 4 | SUM  | Ant 3                       | Ant 4 | Ant 3    | Ant 4 |            |
| 11a                            | 6Mbps     | 2   | 144 | 5720        | 0.29             | 0.29  |                                 |       | 4.63 | 11.00                       |       | 1.02     |       | Pass       |

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

| U-NII-1 MIMO |           |     |     |             |            |                     |        |                       |        |                                    |       |                                   |       |      |
|--------------|-----------|-----|-----|-------------|------------|---------------------|--------|-----------------------|--------|------------------------------------|-------|-----------------------------------|-------|------|
| Mod.         | Data Rate | NTx | 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 3               | Ant 4  | Ant 3                 | Ant 4  | Ant 3                              | Ant 4 | Ant 3                             | Ant 4 |      |
| HE20         | MCS0      | 2   | 36  | 5180        | Full       | 19.43               | 19.68  | 41.25                 | 40.20  | -                                  | -     | 22.88                             | -     |      |
| HE20         | MCS0      | 2   | 44  | 5220        | Full       | 19.53               | 19.88  | 40.50                 | 40.30  | -                                  | -     | 22.91                             | -     |      |
| HE20         | MCS0      | 2   | 48  | 5240        | Full       | 19.48               | 19.83  | 39.10                 | 43.05  | -                                  | -     | 22.90                             | -     |      |
| HE40         | MCS0      | 2   | 38  | 5190        | Full       | 37.86               | 37.96  | 40.05                 | 42.21  | -                                  | -     | 23.01                             | -     |      |
| HE40         | MCS0      | 2   | 46  | 5230        | Full       | 39.86               | 47.75  | 73.44                 | 84.42  | -                                  | -     | 23.01                             | -     |      |
| HE80         | MCS0      | 2   | 42  | 5210        | Full       | 77.80               | 76.96  | 82.24                 | 81.76  | -                                  | -     | 23.01                             | -     |      |
| HE160        | MCS0      | 2   | 50  | 5250        | Full       | 156.32              | 156.32 | 164.80                | 164.80 | -                                  | -     | 23.01                             | -     |      |

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

| FCC U-NII-1 MIMO |           |     |     |             |            |                               |       |       |                                 |       |          |       |           |
|------------------|-----------|-----|-----|-------------|------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.             | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                  |           |     |     |             |            | Ant 3                         | Ant 4 | SUM   | Ant 3                           | Ant 4 | Ant 3    | Ant 4 |           |
| HE20             | MCS0      | 2   | 36  | 5180        | Full       | 17.90                         | 18.50 | 21.22 | 24.00                           |       | -1.80    |       | Pass      |
| HE20             | MCS0      | 2   | 36  | 5180        | 26/0       | 8.40                          | 9.60  | 12.05 | 24.00                           |       | -1.80    |       | Pass      |
| HE20             | MCS0      | 2   | 36  | 5180        | 52/37      | 11.60                         | 12.40 | 15.03 | 24.00                           |       | -1.80    |       | Pass      |
| HE20             | MCS0      | 2   | 36  | 5180        | 106/53     | 14.40                         | 15.50 | 18.00 | 24.00                           |       | -1.80    |       | Pass      |
| HE20             | MCS0      | 2   | 44  | 5220        | Full       | 19.10                         | 19.70 | 22.42 | 24.00                           |       | -1.80    |       | Pass      |
| HE20             | MCS0      | 2   | 44  | 5220        | 26/4       | 10.10                         | 11.10 | 13.64 | 24.00                           |       | -1.80    |       | Pass      |
| HE20             | MCS0      | 2   | 44  | 5220        | 52/38      | 12.30                         | 12.80 | 15.57 | 24.00                           |       | -1.80    |       | Pass      |
| HE20             | MCS0      | 2   | 44  | 5220        | 106/53     | 14.60                         | 15.70 | 18.20 | 24.00                           |       | -1.80    |       | Pass      |
| HE20             | MCS0      | 2   | 48  | 5240        | Full       | 18.00                         | 18.70 | 21.37 | 24.00                           |       | -1.80    |       | Pass      |
| HE20             | MCS0      | 2   | 48  | 5240        | 26/8       | 8.10                          | 8.90  | 11.53 | 24.00                           |       | -1.80    |       | Pass      |
| HE20             | MCS0      | 2   | 48  | 5240        | 52/40      | 11.40                         | 11.90 | 14.67 | 24.00                           |       | -1.80    |       | Pass      |
| HE20             | MCS0      | 2   | 48  | 5240        | 106/54     | 14.10                         | 15.20 | 17.70 | 24.00                           |       | -1.80    |       | Pass      |
| HE40             | MCS0      | 2   | 38  | 5190        | Full       | 15.60                         | 16.10 | 18.87 | 24.00                           |       | -1.80    |       | Pass      |
| HE40             | MCS0      | 2   | 46  | 5230        | Full       | 19.30                         | 19.90 | 22.62 | 24.00                           |       | -1.80    |       | Pass      |
| HE80             | MCS0      | 2   | 42  | 5210        | Full       | 15.70                         | 16.00 | 18.86 | 24.00                           |       | -1.80    |       | Pass      |
| HE160            | MCS0      | 2   | 50  | 5250        | Full       | 13.10                         | 13.20 | 16.16 | 24.00                           |       | -1.80    |       | Pass      |

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

| FCC U-NII-1 MIMO |           |     |     |             |            |                  |       |                                                  |       |       |                             |       |          |       |            |
|------------------|-----------|-----|-----|-------------|------------|------------------|-------|--------------------------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.             | Data Rate | NTx | CH. | Freq. (MHz) | RU Config. | Duty Factor (dB) |       | Average Power Density with Duty Factor (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|                  |           |     |     |             |            | Ant 3            | Ant 4 | Ant 3                                            | Ant 4 | SUM   | Ant 3                       | Ant 4 | Ant 3    | Ant 4 |            |
| HE20             | MCS0      | 2   | 36  | 5180        | Full       | 0.18             | 0.18  |                                                  | 7.63  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE20             | MCS0      | 2   | 36  | 5180        | 26/0       | 0.48             | 0.48  |                                                  | 7.62  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE20             | MCS0      | 2   | 36  | 5180        | 52/37      | 0.52             | 0.52  |                                                  | 7.61  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE20             | MCS0      | 2   | 36  | 5180        | 106/53     | 0.58             | 0.58  |                                                  | 7.62  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE20             | MCS0      | 2   | 44  | 5220        | Full       | 0.18             | 0.18  |                                                  | 8.08  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE20             | MCS0      | 2   | 44  | 5220        | 26/4       | 0.48             | 0.48  |                                                  | 7.97  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE20             | MCS0      | 2   | 44  | 5220        | 52/38      | 0.52             | 0.52  |                                                  | 7.98  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE20             | MCS0      | 2   | 44  | 5220        | 106/53     | 0.58             | 0.58  |                                                  | 7.64  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE20             | MCS0      | 2   | 48  | 5240        | Full       | 0.18             | 0.18  |                                                  | 7.58  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE20             | MCS0      | 2   | 48  | 5240        | 26/8       | 0.48             | 0.48  |                                                  | 7.14  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE20             | MCS0      | 2   | 48  | 5240        | 52/40      | 0.52             | 0.52  |                                                  | 7.27  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE20             | MCS0      | 2   | 48  | 5240        | 106/54     | 0.58             | 0.58  |                                                  | 7.46  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE40             | MCS0      | 2   | 38  | 5190        | Full       | 0.34             | 0.34  |                                                  | 2.42  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE40             | MCS0      | 2   | 46  | 5230        | Full       | 0.34             | 0.34  |                                                  | 5.95  | 11.00 | -0.20                       |       |          | Pass  |            |
| HE80             | MCS0      | 2   | 42  | 5210        | Full       | 0.35             | 0.35  |                                                  | -0.45 | 11.00 | -0.20                       |       |          | Pass  |            |
| HE160            | MCS0      | 2   | 50  | 5250        | Full       | 0.43             | 0.43  | -6.15                                            | 11.00 | -0.20 |                             |       | Pass     |       |            |

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

| U-NII-2A MIMO |           |     |     |             |            |                     |       |                       |       |                                    |       |                                   |       |                                      |       |      |
|---------------|-----------|-----|-----|-------------|------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod.          | Data Rate | NTx | 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 3               | Ant 4 | Ant 3                 | Ant 4 | Ant 3                              | Ant 4 | Ant 3                             | Ant 4 | Ant 3                                | Ant 4 |      |
| HE20          | MCS0      | 2   | 52  | 5260        | Full       | 19.43               | 19.78 | 34.55                 | 44.55 | 23.88                              |       | 29.88                             |       | 23.98                                |       |      |
| HE20          | MCS0      | 2   | 60  | 5300        | Full       | 19.48               | 19.88 | 39.15                 | 39.20 | 23.90                              |       | 29.90                             |       | 23.98                                |       |      |
| HE20          | MCS0      | 2   | 64  | 5320        | Full       | 19.38               | 19.63 | 33.70                 | 39.90 | 23.87                              |       | 29.87                             |       | 23.98                                |       |      |
| HE40          | MCS0      | 2   | 54  | 5270        | Full       | 40.26               | 46.85 | 78.21                 | 82.53 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE40          | MCS0      | 2   | 62  | 5310        | Full       | 37.96               | 37.96 | 40.32                 | 39.96 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE80          | MCS0      | 2   | 58  | 5290        | Full       | 77.08               | 77.08 | 82.08                 | 81.92 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |

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

| FCC U-NII-2A 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 3                         | Ant 4 | SUM   | Ant 3                           | Ant 4 | Ant 3    | Ant 4 |                        |           |
| HE20              | MCS0      | 2   | 52  | 5260        | Full       | 18.10                         | 18.70 | 21.42 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 52  | 5260        | 26/0       | 8.70                          | 9.60  | 12.18 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 52  | 5260        | 52/37      | 11.80                         | 12.30 | 15.07 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 52  | 5260        | 106/53     | 14.70                         | 15.30 | 18.02 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 60  | 5300        | Full       | 19.40                         | 19.70 | 22.56 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 60  | 5300        | 26/4       | 10.80                         | 11.10 | 13.96 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 60  | 5300        | 52/38      | 13.20                         | 13.20 | 16.21 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 60  | 5300        | 106/53     | 15.30                         | 16.00 | 18.67 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 64  | 5320        | Full       | 18.70                         | 19.00 | 21.86 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 64  | 5320        | 26/8       | 8.80                          | 9.30  | 12.07 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 64  | 5320        | 52/40      | 11.90                         | 12.40 | 15.17 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 64  | 5320        | 106/54     | 14.80                         | 15.40 | 18.12 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE40              | MCS0      | 2   | 54  | 5270        | Full       | 19.20                         | 19.80 | 22.52 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE40              | MCS0      | 2   | 62  | 5310        | Full       | 16.70                         | 16.90 | 19.81 | 23.98                           |       | -1.30    |       | 30                     | Pass      |
| HE80              | MCS0      | 2   | 58  | 5290        | Full       | 16.00                         | 16.30 | 19.16 | 23.98                           |       | -1.30    |       | 30                     | Pass      |

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

| U-NII-2A MIMO |           |     |     |             |            |                  |       |                                                  |       |       |                             |       |          |       |            |
|---------------|-----------|-----|-----|-------------|------------|------------------|-------|--------------------------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.          | Data Rate | NTx | CH. | Freq. (MHz) | RU Config. | Duty Factor (dB) |       | Average Power Density with Duty Factor (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|               |           |     |     |             |            | Ant 3            | Ant 4 | Ant 3                                            | Ant 4 | SUM   | Ant 3                       | Ant 4 | Ant 3    | Ant 4 |            |
| HE20          | MCS0      | 2   | 52  | 5260        | Full       | 0.18             | 0.18  |                                                  |       | 7.78  | 11.00                       |       | 0.02     |       | Pass       |
| HE20          | MCS0      | 2   | 52  | 5260        | 26/0       | 0.48             | 0.48  |                                                  |       | 7.70  | 11.00                       |       | 0.02     |       | Pass       |
| HE20          | MCS0      | 2   | 52  | 5260        | 52/37      | 0.52             | 0.52  |                                                  |       | 7.76  | 11.00                       |       | 0.02     |       | Pass       |
| HE20          | MCS0      | 2   | 52  | 5260        | 106/53     | 0.58             | 0.58  |                                                  |       | 7.71  | 11.00                       |       | 0.02     |       | Pass       |
| HE20          | MCS0      | 2   | 60  | 5300        | Full       | 0.18             | 0.18  |                                                  |       | 8.36  | 11.00                       |       | 0.02     |       | Pass       |
| HE20          | MCS0      | 2   | 60  | 5300        | 26/4       | 0.48             | 0.48  |                                                  |       | 8.29  | 11.00                       |       | 0.02     |       | Pass       |
| HE20          | MCS0      | 2   | 60  | 5300        | 52/38      | 0.52             | 0.52  |                                                  |       | 8.35  | 11.00                       |       | 0.02     |       | Pass       |
| HE20          | MCS0      | 2   | 60  | 5300        | 106/53     | 0.58             | 0.58  |                                                  |       | 8.03  | 11.00                       |       | 0.02     |       | Pass       |
| HE20          | MCS0      | 2   | 64  | 5320        | Full       | 0.18             | 0.18  |                                                  |       | 8.04  | 11.00                       |       | 0.02     |       | Pass       |
| HE20          | MCS0      | 2   | 64  | 5320        | 26/8       | 0.48             | 0.48  |                                                  |       | 7.76  | 11.00                       |       | 0.02     |       | Pass       |
| HE20          | MCS0      | 2   | 64  | 5320        | 52/40      | 0.52             | 0.52  |                                                  |       | 7.86  | 11.00                       |       | 0.02     |       | Pass       |
| HE20          | MCS0      | 2   | 64  | 5320        | 106/54     | 0.58             | 0.58  |                                                  |       | 8.00  | 11.00                       |       | 0.02     |       | Pass       |
| HE40          | MCS0      | 2   | 54  | 5270        | Full       | 0.34             | 0.34  |                                                  |       | 6.26  | 11.00                       |       | 0.02     |       | Pass       |
| HE40          | MCS0      | 2   | 62  | 5310        | Full       | 0.34             | 0.34  |                                                  |       | 3.13  | 11.00                       |       | 0.02     |       | Pass       |
| HE80          | MCS0      | 2   | 58  | 5290        | Full       | 0.35             | 0.35  |                                                  |       | -0.07 | 11.00                       |       | 0.02     |       | Pass       |

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

| U-NII-2C 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 3                           | Ant 4  | Ant 3                             | Ant 4  | Ant 3                              | Ant 4 | Ant 3                             | Ant 4 | Ant 3                                | Ant 4 | Ant 3                                     | Ant 4 |
| HE20          | MCS0      | 2   | 100 | 5500        | Full       | 19.13                           | 19.13  | 21.75                             | 21.90  | 23.82                              |       | 29.82                             |       | 23.98                                |       | ----                                      | ----  |
| HE20          | MCS0      | 2   | 116 | 5580        | Full       | 19.18                           | 19.18  | 22.55                             | 23.40  | 23.83                              |       | 29.83                             |       | 23.98                                |       | ----                                      | ----  |
| HE20          | MCS0      | 2   | 140 | 5700        | Full       | 19.18                           | 19.18  | 21.60                             | 21.75  | 23.83                              |       | 29.83                             |       | 23.98                                |       | ----                                      | ----  |
| HE40          | MCS0      | 2   | 102 | 5510        | Full       | 37.96                           | 37.76  | 40.32                             | 40.05  | 23.98                              |       | 30.00                             |       | 23.98                                |       | ----                                      | ----  |
| HE40          | MCS0      | 2   | 110 | 5550        | Full       | 37.96                           | 37.86  | 41.04                             | 40.05  | 23.98                              |       | 30.00                             |       | 23.98                                |       | ----                                      | ----  |
| HE40          | MCS0      | 2   | 134 | 5670        | Full       | 38.76                           | 38.56  | 67.86                             | 55.35  | 23.98                              |       | 30.00                             |       | 23.98                                |       | ----                                      | ----  |
| HE80          | MCS0      | 2   | 106 | 5530        | Full       | 77.08                           | 77.08  | 82.40                             | 82.08  | 23.98                              |       | 30.00                             |       | 23.98                                |       | ----                                      | ----  |
| HE80          | MCS0      | 2   | 122 | 5610        | Full       | 77.44                           | 77.32  | 126.40                            | 130.56 | 23.98                              |       | 30.00                             |       | 23.98                                |       | ----                                      | ----  |
| HE160         | MCS0      | 2   | 114 | 5570        | Full       | 156.32                          | 156.32 | 166.08                            | 166.40 | 23.98                              |       | 30.00                             |       | 23.98                                |       | ----                                      | ----  |

| U-NII-2C straddle channel 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 3                           | Ant 4 | Ant 3                             | Ant 4 | Ant 3                              | Ant 4 | Ant 3                             | Ant 4 | Ant 3                                | Ant 4 | Ant 3                                     | Ant 4 |
| HE20                           | MCS0      | 2   | 144 | 5720        | Full       | 14.59                           | 14.59 | 15.90                             | 15.85 | 22.64                              |       | 28.64                             |       | 23.00                                |       | 4.55                                      | 4.55  |
| HE40                           | MCS0      | 2   | 142 | 5710        | Full       | 33.98                           | 33.98 | 35.16                             | 34.98 | 23.98                              |       | 30.00                             |       | 23.98                                |       | 3.72                                      | 3.72  |
| HE80                           | MCS0      | 2   | 138 | 5690        | Full       | 73.60                           | 73.72 | 93.88                             | 88.92 | 23.98                              |       | 30.00                             |       | 23.98                                |       | 3.88                                      | 3.399 |

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

| FCC U-NII-2C 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 3                         | Ant 4 | SUM   | Ant 3                           | Ant 4 | Ant 3    | Ant 4 |                        |           |
| HE20              | MCS0      | 2   | 100 | 5500        | Full       | 15.50                         | 16.00 | 18.77 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 100 | 5500        | 26/0       | 5.40                          | 6.50  | 9.00  | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 100 | 5500        | 52/37      | 8.40                          | 9.20  | 11.83 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 100 | 5500        | 106/53     | 11.30                         | 12.40 | 14.90 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 116 | 5580        | Full       | 15.90                         | 16.50 | 19.22 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 116 | 5580        | 26/4       | 6.70                          | 7.30  | 10.02 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 116 | 5580        | 52/38      | 9.20                          | 9.70  | 12.47 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 116 | 5580        | 106/53     | 11.90                         | 13.10 | 15.55 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | Full       | 15.30                         | 15.40 | 18.36 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | 26/8       | 6.00                          | 5.20  | 8.63  | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | 52/40      | 9.00                          | 8.80  | 11.91 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE20              | MCS0      | 2   | 140 | 5700        | 106/54     | 11.70                         | 11.80 | 14.76 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE40              | MCS0      | 2   | 102 | 5510        | Full       | 16.40                         | 17.00 | 19.72 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE40              | MCS0      | 2   | 110 | 5550        | Full       | 15.80                         | 16.50 | 19.17 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE40              | MCS0      | 2   | 134 | 5670        | Full       | 18.80                         | 19.10 | 21.96 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE80              | MCS0      | 2   | 106 | 5530        | Full       | 16.20                         | 16.70 | 19.47 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE80              | MCS0      | 2   | 122 | 5610        | Full       | 18.20                         | 18.60 | 21.41 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE160             | MCS0      | 2   | 114 | 5570        | Full       | 13.80                         | 14.20 | 17.01 | 23.98                           |       | -0.70    |       | 30                     | Pass      |

| FCC U-NII-2C straddle channel 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 3                         | Ant 4 | SUM   | Ant 3                           | Ant 4 | Ant 3    | Ant 4 |                        |           |
| HE20                               | MCS0      | 2   | 144 | 5720        | Full       | 15.90                         | 15.60 | 18.76 | 23.00                           |       | -0.70    |       | 30                     | Pass      |
| HE20                               | MCS0      | 2   | 144 | 5720        | 26/8       | 6.60                          | 5.70  | 9.18  | 23.00                           |       | -0.70    |       | 30                     | Pass      |
| HE20                               | MCS0      | 2   | 144 | 5720        | 52/40      | 9.50                          | 9.00  | 12.27 | 23.00                           |       | -0.70    |       | 30                     | Pass      |
| HE20                               | MCS0      | 2   | 144 | 5720        | 106/54     | 12.20                         | 12.20 | 15.21 | 23.00                           |       | -0.70    |       | 30                     | Pass      |
| HE40                               | MCS0      | 2   | 142 | 5710        | Full       | 17.30                         | 17.00 | 20.16 | 23.98                           |       | -0.70    |       | 30                     | Pass      |
| HE80                               | MCS0      | 2   | 138 | 5690        | Full       | 18.20                         | 18.00 | 21.11 | 23.98                           |       | -0.70    |       | 30                     | Pass      |

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

| U-NII-2C MIMO |           |     |     |             |            |                  |       |                                                  |       |       |                             |       |          |       |            |
|---------------|-----------|-----|-----|-------------|------------|------------------|-------|--------------------------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.          | Data Rate | NTx | CH. | Freq. (MHz) | RU Config. | Duty Factor (dB) |       | Average Power Density with Duty Factor (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|               |           |     |     |             |            | Ant 3            | Ant 4 | Ant 3                                            | Ant 4 | SUM   | Ant 3                       | Ant 4 | Ant 3    | Ant 4 |            |
| HE20          | MCS0      | 2   | 100 | 5500        | Full       | 0.18             | 0.18  |                                                  |       | 4.67  | 11.00                       |       | 1.02     |       | Pass       |
| HE20          | MCS0      | 2   | 100 | 5500        | 26/0       | 0.48             | 0.48  |                                                  |       | 4.60  | 11.00                       |       | 1.02     |       | Pass       |
| HE20          | MCS0      | 2   | 100 | 5500        | 52/37      | 0.52             | 0.52  |                                                  |       | 4.28  | 11.00                       |       | 1.02     |       | Pass       |
| HE20          | MCS0      | 2   | 100 | 5500        | 106/53     | 0.58             | 0.58  |                                                  |       | 4.41  | 11.00                       |       | 1.02     |       | Pass       |
| HE20          | MCS0      | 2   | 116 | 5580        | Full       | 0.18             | 0.18  |                                                  |       | 5.14  | 11.00                       |       | 1.02     |       | Pass       |
| HE20          | MCS0      | 2   | 116 | 5580        | 26/4       | 0.48             | 0.48  |                                                  |       | 4.89  | 11.00                       |       | 1.02     |       | Pass       |
| HE20          | MCS0      | 2   | 116 | 5580        | 52/38      | 0.52             | 0.52  |                                                  |       | 4.91  | 11.00                       |       | 1.02     |       | Pass       |
| HE20          | MCS0      | 2   | 116 | 5580        | 106/53     | 0.58             | 0.58  |                                                  |       | 4.88  | 11.00                       |       | 1.02     |       | Pass       |
| HE20          | MCS0      | 2   | 140 | 5700        | Full       | 0.18             | 0.18  |                                                  |       | 4.45  | 11.00                       |       | 1.02     |       | Pass       |
| HE20          | MCS0      | 2   | 140 | 5700        | 26/8       | 0.48             | 0.48  |                                                  |       | 4.38  | 11.00                       |       | 1.02     |       | Pass       |
| HE20          | MCS0      | 2   | 140 | 5700        | 52/40      | 0.52             | 0.52  |                                                  |       | 4.32  | 11.00                       |       | 1.02     |       | Pass       |
| HE20          | MCS0      | 2   | 140 | 5700        | 106/54     | 0.58             | 0.58  |                                                  |       | 4.35  | 11.00                       |       | 1.02     |       | Pass       |
| HE40          | MCS0      | 2   | 102 | 5510        | Full       | 0.34             | 0.34  |                                                  |       | 2.90  | 11.00                       |       | 1.02     |       | Pass       |
| HE40          | MCS0      | 2   | 110 | 5550        | Full       | 0.34             | 0.34  |                                                  |       | 2.68  | 11.00                       |       | 1.02     |       | Pass       |
| HE40          | MCS0      | 2   | 134 | 5670        | Full       | 0.34             | 0.34  |                                                  |       | 5.11  | 11.00                       |       | 1.02     |       | Pass       |
| HE80          | MCS0      | 2   | 106 | 5530        | Full       | 0.35             | 0.35  |                                                  |       | -0.03 | 11.00                       |       | 1.02     |       | Pass       |
| HE80          | MCS0      | 2   | 122 | 5610        | Full       | 0.35             | 0.35  |                                                  |       | 2.03  | 11.00                       |       | 1.02     |       | Pass       |
| HE160         | MCS0      | 2   | 114 | 5570        | Full       | 0.43             | 0.43  |                                                  |       | -4.89 | 11.00                       |       | 1.02     |       | Pass       |

| U-NII-2C straddle channel MIMO |           |     |     |             |            |                  |       |                                 |       |      |                             |       |          |       |            |
|--------------------------------|-----------|-----|-----|-------------|------------|------------------|-------|---------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod.                           | Data Rate | NTx | CH. | Freq. (MHz) | RU Config. | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|                                |           |     |     |             |            | Ant 3            | Ant 4 | Ant 3                           | Ant 4 | SUM  | Ant 3                       | Ant 4 | Ant 3    | Ant 4 |            |
| HE20                           | MCS0      | 2   | 144 | 5720        | Full       | 0.18             | 0.18  |                                 |       | 4.47 | 11.00                       |       | 1.02     |       | Pass       |
| HE20                           | MCS0      | 2   | 144 | 5720        | 26/8       | 0.48             | 0.48  |                                 |       | 4.42 | 11.00                       |       | 1.02     |       | Pass       |
| HE20                           | MCS0      | 2   | 144 | 5720        | 52/40      | 0.52             | 0.52  |                                 |       | 4.42 | 11.00                       |       | 1.02     |       | Pass       |
| HE20                           | MCS0      | 2   | 144 | 5720        | 106/54     | 0.58             | 0.58  |                                 |       | 4.46 | 11.00                       |       | 1.02     |       | Pass       |
| HE40                           | MCS0      | 2   | 142 | 5710        | Full       | 0.34             | 0.34  |                                 |       | 3.59 | 11.00                       |       | 1.02     |       | Pass       |
| HE80                           | MCS0      | 2   | 138 | 5690        | Full       | 0.35             | 0.35  |                                 |       | 1.69 | 11.00                       |       | 1.02     |       | Pass       |

**TEST RESULTS DATA**  
**6dB and 26dB EBW and 99% OBW**

| U-NII-3 MIMO |           |     |     |             |                     |       |                      |       |                      |       |                                 |           |
|--------------|-----------|-----|-----|-------------|---------------------|-------|----------------------|-------|----------------------|-------|---------------------------------|-----------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26dB Bandwidth (MHz) |       | 6 dB Bandwidth (MHz) |       | 6 dB Bandwidth Min. Limit (MHz) | Pass/Fail |
|              |           |     |     |             | Ant 3               | Ant 4 | Ant 3                | Ant 4 | Ant 3                | Ant 4 |                                 |           |
| 11a          | 6Mbps     | 2   | 149 | 5745        | 17.08               | 16.98 | 21.70                | 21.60 | 16.45                | 16.45 | 0.5                             | Pass      |
| 11a          | 6Mbps     | 2   | 157 | 5785        | 17.13               | 16.98 | 21.65                | 21.60 | 16.40                | 16.40 | 0.5                             | Pass      |
| 11a          | 6Mbps     | 2   | 165 | 5825        | 17.13               | 16.98 | 21.65                | 21.95 | 16.45                | 16.45 | 0.5                             | Pass      |

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

| U-NII-3 MIMO |           |     |     |             |                               |       |       |                                 |       |          |       |           |
|--------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|              |           |     |     |             | Ant 3                         | Ant 4 | SUM   | Ant 3                           | Ant 4 | Ant 3    | Ant 4 |           |
| 11a          | 6Mbps     | 2   | 149 | 5745        | 15.80                         | 16.00 | 18.91 | 30.00                           |       | -1.30    |       | Pass      |
| 11a          | 6Mbps     | 2   | 157 | 5785        | 15.50                         | 15.40 | 18.46 | 30.00                           |       | -1.30    |       | Pass      |
| 11a          | 6Mbps     | 2   | 165 | 5825        | 16.90                         | 17.10 | 20.01 | 30.00                           |       | -1.30    |       | Pass      |
| HT20         | MCS0      | 2   | 149 | 5745        | 15.40                         | 15.60 | 18.51 | 30.00                           |       | -1.30    |       | Pass      |
| HT20         | MCS0      | 2   | 157 | 5785        | 15.80                         | 15.80 | 18.81 | 30.00                           |       | -1.30    |       | Pass      |
| HT20         | MCS0      | 2   | 165 | 5825        | 17.10                         | 17.10 | 20.11 | 30.00                           |       | -1.30    |       | Pass      |
| HT40         | MCS0      | 2   | 151 | 5755        | 18.30                         | 18.30 | 21.31 | 30.00                           |       | -1.30    |       | Pass      |
| HT40         | MCS0      | 2   | 159 | 5795        | 18.30                         | 18.30 | 21.31 | 30.00                           |       | -1.30    |       | Pass      |
| VHT20        | MCS0      | 2   | 149 | 5745        | 15.40                         | 15.70 | 18.56 | 30.00                           |       | -1.30    |       | Pass      |
| VHT20        | MCS0      | 2   | 157 | 5785        | 15.80                         | 15.90 | 18.86 | 30.00                           |       | -1.30    |       | Pass      |
| VHT20        | MCS0      | 2   | 165 | 5825        | 17.10                         | 17.20 | 20.16 | 30.00                           |       | -1.30    |       | Pass      |
| VHT40        | MCS0      | 2   | 151 | 5755        | 18.30                         | 18.40 | 21.36 | 30.00                           |       | -1.30    |       | Pass      |
| VHT40        | MCS0      | 2   | 159 | 5795        | 18.30                         | 18.40 | 21.36 | 30.00                           |       | -1.30    |       | Pass      |
| VHT80        | MCS0      | 2   | 155 | 5775        | 19.40                         | 19.50 | 22.46 | 30.00                           |       | -1.30    |       | Pass      |

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

| U-NII-3 MIMO |           |     |     |             |                  |       |                                 |       |                                                     |       |       |                                |       |          |       |            |
|--------------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-----------------------------------------------------|-------|-------|--------------------------------|-------|----------|-------|------------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | 10log (500kHz /RBW) Factor (dB) |       | Average Power Density with Duty Factor (dBm/500kHz) |       |       | Average PSD Limit (dBm/500kHz) |       | DG (dBi) |       | Pass /Fail |
|              |           |     |     |             | Ant 3            | Ant 4 | Ant 3                           | Ant 4 | Ant 3                                               | Ant 4 | SUM   | Ant 3                          | Ant 4 | Ant 3    | Ant 4 |            |
| 11a          | 6Mbps     | 2   | 149 | 5745        | 0.29             | 0.29  | 2.22                            | -0.52 | -0.26                                               | 2.75  | 30.00 |                                | 0.77  |          | Pass  |            |
| 11a          | 6Mbps     | 2   | 157 | 5785        | 0.29             | 0.29  | 2.22                            | -0.31 | 0.05                                                | 3.06  | 30.00 |                                | 0.77  |          | Pass  |            |
| 11a          | 6Mbps     | 2   | 165 | 5825        | 0.29             | 0.29  | 2.22                            | 0.38  | 0.73                                                | 3.74  | 30.00 |                                | 0.77  |          | Pass  |            |

**Note:** PSD Sum = Max PSD(Ant. 3, Ant. 4) + 10 log (n)

**TEST RESULTS DATA**  
**6dB and 26dB EBW and 99% OBW**

| U-NII-3 MIMO |           |     |     |             |            |                     |       |                      |        |                      |       |                                 |           |
|--------------|-----------|-----|-----|-------------|------------|---------------------|-------|----------------------|--------|----------------------|-------|---------------------------------|-----------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) |       | 26dB Bandwidth (MHz) |        | 6 dB Bandwidth (MHz) |       | 6 dB Bandwidth Min. Limit (MHz) | Pass/Fail |
|              |           |     |     |             |            | Ant 3               | Ant 4 | Ant 3                | Ant 4  | Ant 3                | Ant 4 |                                 |           |
| HE20         | MCS0      | 2   | 149 | 5745        | Full       | 19.18               | 19.18 | 21.95                | 21.75  | 19.10                | 19.10 | 0.5                             | Pass      |
| HE20         | MCS0      | 2   | 157 | 5785        | Full       | 19.18               | 19.18 | 21.90                | 21.90  | 19.10                | 19.05 | 0.5                             | Pass      |
| HE20         | MCS0      | 2   | 165 | 5825        | Full       | 19.18               | 19.18 | 22.00                | 28.25  | 19.00                | 19.10 | 0.5                             | Pass      |
| HE40         | MCS0      | 2   | 151 | 5755        | Full       | 38.26               | 38.46 | 60.12                | 62.64  | 37.71                | 37.44 | 0.5                             | Pass      |
| HE40         | MCS0      | 2   | 159 | 5795        | Full       | 38.26               | 38.46 | 55.53                | 65.52  | 37.80                | 37.53 | 0.5                             | Pass      |
| HE80         | MCS0      | 2   | 155 | 5775        | Full       | 77.80               | 77.80 | 137.60               | 154.72 | 77.44                | 75.84 | 0.5                             | Pass      |

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

| U-NII-3 MIMO |           |     |     |             |            |                               |       |       |                                 |       |          |       |           |
|--------------|-----------|-----|-----|-------------|------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|              |           |     |     |             |            | Ant 3                         | Ant 4 | SUM   | Ant 3                           | Ant 4 | Ant 3    | Ant 4 |           |
| HE20         | MCS0      | 2   | 149 | 5745        | Full       | 15.50                         | 15.70 | 18.61 | 30.00                           |       | -1.30    |       | Pass      |
| HE20         | MCS0      | 2   | 149 | 5745        | 26/0       | 5.40                          | 5.80  | 8.61  | 30.00                           |       | -1.30    |       | Pass      |
| HE20         | MCS0      | 2   | 149 | 5745        | 52/37      | 8.80                          | 8.80  | 11.81 | 30.00                           |       | -1.30    |       | Pass      |
| HE20         | MCS0      | 2   | 149 | 5745        | 106/53     | 11.80                         | 12.00 | 14.91 | 30.00                           |       | -1.30    |       | Pass      |
| HE20         | MCS0      | 2   | 157 | 5785        | Full       | 15.90                         | 15.90 | 18.91 | 30.00                           |       | -1.30    |       | Pass      |
| HE20         | MCS0      | 2   | 157 | 5785        | 26/4       | 5.60                          | 5.40  | 8.51  | 30.00                           |       | -1.30    |       | Pass      |
| HE20         | MCS0      | 2   | 157 | 5785        | 52/38      | 9.00                          | 8.70  | 11.86 | 30.00                           |       | -1.30    |       | Pass      |
| HE20         | MCS0      | 2   | 157 | 5785        | 106/53     | 11.80                         | 12.00 | 14.91 | 30.00                           |       | -1.30    |       | Pass      |
| HE20         | MCS0      | 2   | 165 | 5825        | Full       | 17.20                         | 17.20 | 20.21 | 30.00                           |       | -1.30    |       | Pass      |
| HE20         | MCS0      | 2   | 165 | 5825        | 26/8       | 6.30                          | 6.50  | 9.41  | 30.00                           |       | -1.30    |       | Pass      |
| HE20         | MCS0      | 2   | 165 | 5825        | 52/40      | 10.60                         | 10.40 | 13.51 | 30.00                           |       | -1.30    |       | Pass      |
| HE20         | MCS0      | 2   | 165 | 5825        | 106/54     | 13.20                         | 13.60 | 16.41 | 30.00                           |       | -1.30    |       | Pass      |
| HE40         | MCS0      | 2   | 151 | 5755        | Full       | 18.40                         | 18.40 | 21.41 | 30.00                           |       | -1.30    |       | Pass      |
| HE40         | MCS0      | 2   | 159 | 5795        | Full       | 18.40                         | 18.40 | 21.41 | 30.00                           |       | -1.30    |       | Pass      |
| HE80         | MCS0      | 2   | 155 | 5775        | Full       | 19.50                         | 19.60 | 22.56 | 30.00                           |       | -1.30    |       | Pass      |

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

| U-NII-3 MIMO |           |     |     |             |            |                  |       |                                 |       |                                                     |       |       |                                |       |          |       |            |
|--------------|-----------|-----|-----|-------------|------------|------------------|-------|---------------------------------|-------|-----------------------------------------------------|-------|-------|--------------------------------|-------|----------|-------|------------|
| Mod.         | Data Rate | NTx | CH. | Freq. (MHz) | RU Config. | Duty Factor (dB) |       | 10log (500kHz /RBW) Factor (dB) |       | Average Power Density with Duty Factor (dBm/500kHz) |       |       | Average PSD Limit (dBm/500kHz) |       | DG (dBi) |       | Pass /Fail |
|              |           |     |     |             |            | Ant 3            | Ant 4 | Ant 3                           | Ant 4 | Ant 3                                               | Ant 4 | SUM   | Ant 3                          | Ant 4 | Ant 3    | Ant 4 |            |
| HE20         | MCS0      | 2   | 149 | 5745        | Full       | 0.18             | 0.18  | 2.22                            | -0.91 | -0.96                                               | 2.10  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE20         | MCS0      | 2   | 149 | 5745        | 26/0       | 0.48             | 0.48  | 2.22                            | -1.47 | -1.45                                               | 1.56  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE20         | MCS0      | 2   | 149 | 5745        | 52/37      | 0.52             | 0.52  | 2.22                            | -1.17 | -1.21                                               | 1.84  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE20         | MCS0      | 2   | 149 | 5745        | 106/53     | 0.58             | 0.58  | 2.22                            | -1.34 | -1.08                                               | 1.93  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE20         | MCS0      | 2   | 157 | 5785        | Full       | 0.18             | 0.18  | 2.22                            | -0.53 | -0.42                                               | 2.59  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE20         | MCS0      | 2   | 157 | 5785        | 26/4       | 0.48             | 0.48  | 2.22                            | -0.93 | -1.02                                               | 2.08  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE20         | MCS0      | 2   | 157 | 5785        | 52/38      | 0.52             | 0.52  | 2.22                            | -0.64 | -0.77                                               | 2.37  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE20         | MCS0      | 2   | 157 | 5785        | 106/53     | 0.58             | 0.58  | 2.22                            | -0.59 | -0.46                                               | 2.55  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE20         | MCS0      | 2   | 165 | 5825        | Full       | 0.18             | 0.18  | 2.22                            | 0.73  | 0.68                                                | 3.74  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE20         | MCS0      | 2   | 165 | 5825        | 26/8       | 0.48             | 0.48  | 2.22                            | 0.34  | 0.37                                                | 3.38  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE20         | MCS0      | 2   | 165 | 5825        | 52/40      | 0.52             | 0.52  | 2.22                            | 0.57  | 0.55                                                | 3.58  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE20         | MCS0      | 2   | 165 | 5825        | 106/54     | 0.58             | 0.58  | 2.22                            | 0.47  | 0.55                                                | 3.56  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE40         | MCS0      | 2   | 151 | 5755        | Full       | 0.34             | 0.34  | 2.22                            | -1.18 | -1.15                                               | 1.86  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE40         | MCS0      | 2   | 159 | 5795        | Full       | 0.34             | 0.34  | 2.22                            | -0.93 | -0.71                                               | 2.30  | 30.00 |                                | 0.77  |          | Pass  |            |
| HE80         | MCS0      | 2   | 155 | 5775        | Full       | 0.35             | 0.35  | 2.22                            | -2.60 | -2.68                                               | 0.41  | 30.00 |                                | 0.77  |          | Pass  |            |

**Note:** PSD Sum = Max PSD(Ant. 3, Ant. 4) + 10 log (n)



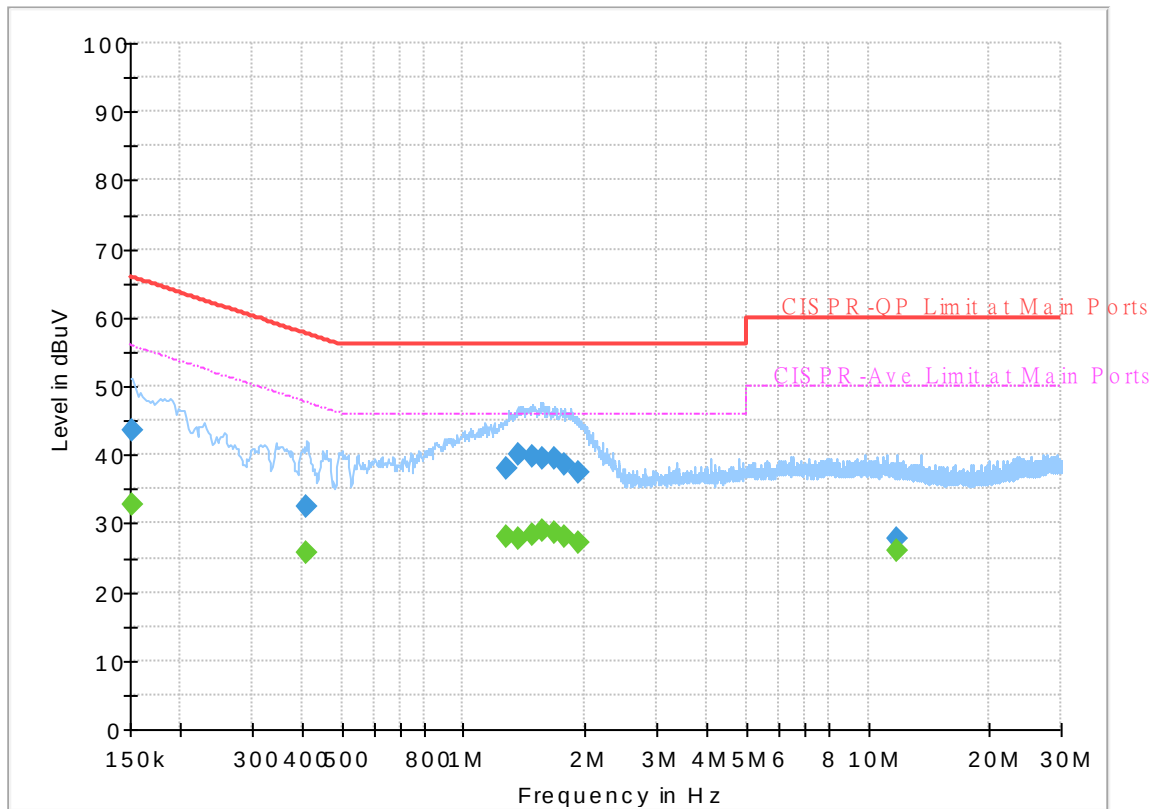
## **Appendix B. AC Conducted Emission Test Results**

|                        |         |                            |        |
|------------------------|---------|----------------------------|--------|
| <b>Test Engineer :</b> | Tom Lee | <b>Temperature :</b>       | 23~26℃ |
|                        |         | <b>Relative Humidity :</b> | 45~55% |

## EUT Information

Report NO : 262403-04  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



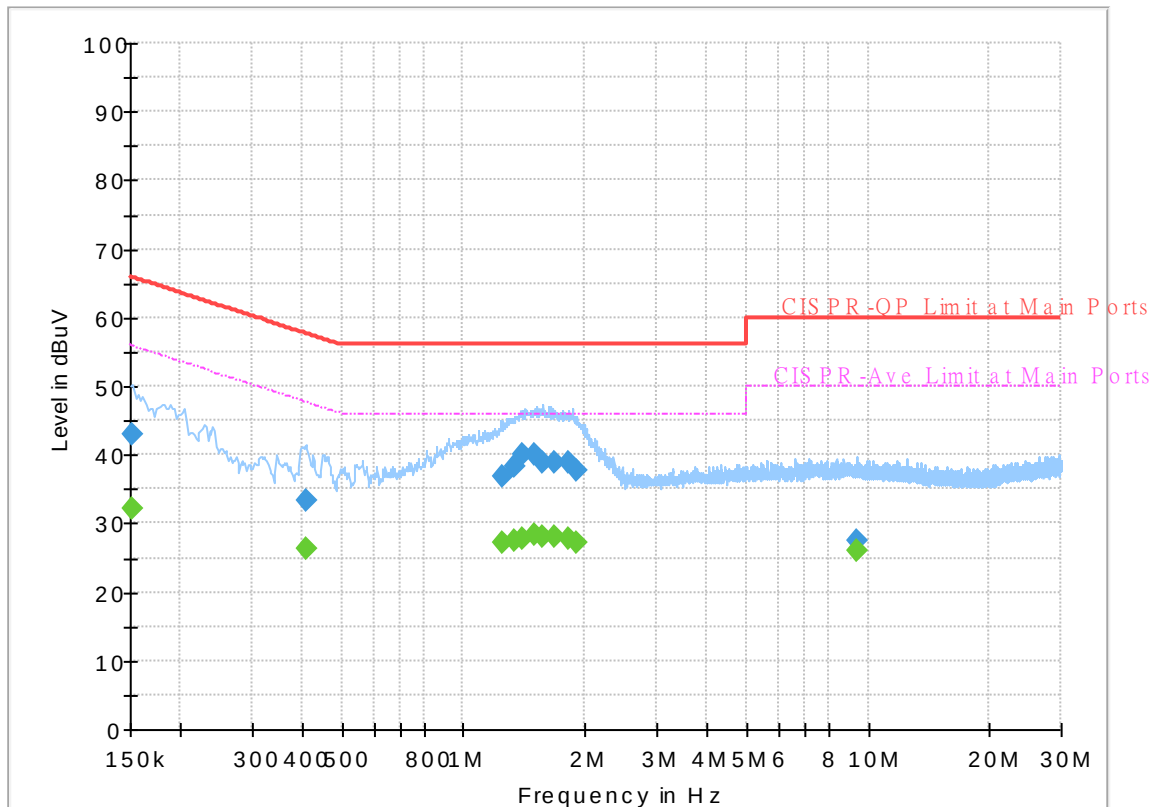
## Final Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250        | ---              | 32.67           | 55.88        | 23.21       | L1   | OFF    | 19.8       |
| 0.152250        | 43.70            | ---             | 65.88        | 22.18       | L1   | OFF    | 19.8       |
| 0.411000        | ---              | 25.68           | 47.63        | 21.95       | L1   | OFF    | 19.8       |
| 0.411000        | 32.36            | ---             | 57.63        | 25.27       | L1   | OFF    | 19.8       |
| 1.279500        | ---              | 27.96           | 46.00        | 18.04       | L1   | OFF    | 19.8       |
| 1.279500        | 38.03            | ---             | 56.00        | 17.97       | L1   | OFF    | 19.8       |
| 1.360500        | ---              | 27.84           | 46.00        | 18.16       | L1   | OFF    | 19.8       |
| 1.360500        | 40.11            | ---             | 56.00        | 15.89       | L1   | OFF    | 19.8       |
| 1.477500        | ---              | 28.32           | 46.00        | 17.68       | L1   | OFF    | 19.9       |
| 1.477500        | 39.83            | ---             | 56.00        | 16.17       | L1   | OFF    | 19.9       |
| 1.574250        | ---              | 28.90           | 46.00        | 17.10       | L1   | OFF    | 19.9       |
| 1.574250        | 39.41            | ---             | 56.00        | 16.59       | L1   | OFF    | 19.9       |
| 1.680000        | ---              | 28.79           | 46.00        | 17.21       | L1   | OFF    | 19.9       |
| 1.680000        | 39.47            | ---             | 56.00        | 16.53       | L1   | OFF    | 19.9       |
| 1.776750        | ---              | 28.05           | 46.00        | 17.95       | L1   | OFF    | 19.9       |
| 1.776750        | 38.66            | ---             | 56.00        | 17.34       | L1   | OFF    | 19.9       |
| 1.923000        | ---              | 27.18           | 46.00        | 18.82       | L1   | OFF    | 19.9       |
| 1.923000        | 37.44            | ---             | 56.00        | 18.56       | L1   | OFF    | 19.9       |
| 11.751000       | ---              | 25.99           | 50.00        | 24.01       | L1   | OFF    | 20.3       |
| 11.751000       | 27.70            | ---             | 60.00        | 32.30       | L1   | OFF    | 20.3       |

# EUT Information

Report NO : 262403-04  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

Full Spectrum



## Final Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250        | ---              | 32.05           | 55.88        | 23.83       | N    | OFF    | 19.8       |
| 0.152250        | 42.91            | ---             | 65.88        | 22.97       | N    | OFF    | 19.8       |
| 0.411000        | ---              | 26.24           | 47.63        | 21.39       | N    | OFF    | 19.8       |
| 0.411000        | 33.36            | ---             | 57.63        | 24.27       | N    | OFF    | 19.8       |
| 1.243500        | ---              | 27.26           | 46.00        | 18.74       | N    | OFF    | 19.8       |
| 1.243500        | 36.83            | ---             | 56.00        | 19.17       | N    | OFF    | 19.8       |
| 1.335750        | ---              | 27.47           | 46.00        | 18.53       | N    | OFF    | 19.8       |
| 1.335750        | 38.42            | ---             | 56.00        | 17.58       | N    | OFF    | 19.8       |
| 1.401000        | ---              | 27.72           | 46.00        | 18.28       | N    | OFF    | 19.8       |
| 1.401000        | 40.05            | ---             | 56.00        | 15.95       | N    | OFF    | 19.8       |
| 1.500000        | ---              | 28.42           | 46.00        | 17.58       | N    | OFF    | 19.8       |
| 1.500000        | 40.15            | ---             | 56.00        | 15.85       | N    | OFF    | 19.8       |
| 1.572000        | ---              | 28.15           | 46.00        | 17.85       | N    | OFF    | 19.8       |
| 1.572000        | 38.78            | ---             | 56.00        | 17.22       | N    | OFF    | 19.8       |
| 1.677750        | ---              | 28.17           | 46.00        | 17.83       | N    | OFF    | 19.8       |
| 1.677750        | 38.87            | ---             | 56.00        | 17.13       | N    | OFF    | 19.8       |
| 1.812750        | ---              | 27.66           | 46.00        | 18.34       | N    | OFF    | 19.8       |
| 1.812750        | 38.89            | ---             | 56.00        | 17.11       | N    | OFF    | 19.8       |
| 1.911750        | ---              | 27.11           | 46.00        | 18.89       | N    | OFF    | 19.8       |
| 1.911750        | 37.86            | ---             | 56.00        | 18.14       | N    | OFF    | 19.8       |
| 9.379500        | ---              | 25.98           | 50.00        | 24.02       | N    | OFF    | 20.2       |

|          |       |     |       |       |   |     |      |
|----------|-------|-----|-------|-------|---|-----|------|
| 9.379500 | 27.62 | --- | 60.00 | 32.38 | N | OFF | 20.2 |
|----------|-------|-----|-------|-------|---|-----|------|



## Appendix C. Radiated Spurious Emission

|                 |                                     |                     |         |
|-----------------|-------------------------------------|---------------------|---------|
| Test Engineer : | Jacky Hong, Rain Lee and Mancy Chou | Temperature :       | 20~26°C |
|                 |                                     | Relative Humidity : | 40~65%  |

&lt;Open Mode&gt;

## Band 1 - 5150~5250MHz

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

| WIFI Ant.                   | Note | Frequency | Level      | Margin | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 3+4                         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 36<br>5180MHz |      | 5149.5    | 54.77      | -19.23 | 74         | 43.9       | 32.1           | 6.21      | 27.44         | 100     | 206       | P         | H       |
|                             |      | 5150      | 47.45      | -6.55  | 54         | 36.57      | 32.1           | 6.22      | 27.44         | 100     | 206       | A         | H       |
|                             | *    | 5180      | 108.32     | -      | -          | 97.53      | 31.98          | 6.25      | 27.44         | 100     | 206       | P         | H       |
|                             | *    | 5180      | 99.27      | -      | -          | 88.48      | 31.98          | 6.25      | 27.44         | 100     | 206       | A         | H       |
|                             |      |           |            |        |            |            |                |           |               |         |           |           | H       |
|                             |      |           |            |        |            |            |                |           |               |         |           |           | H       |
|                             |      | 5139.1    | 58.18      | -15.82 | 74         | 47.32      | 32.1           | 6.2       | 27.44         | 315     | 43        | P         | V       |
|                             |      | 5150      | 45.94      | -8.06  | 54         | 35.06      | 32.1           | 6.22      | 27.44         | 315     | 43        | A         | V       |
|                             | *    | 5180      | 107.95     | -      | -          | 97.16      | 31.98          | 6.25      | 27.44         | 315     | 43        | P         | V       |
|                             | *    | 5180      | 101.18     | -      | -          | 90.39      | 31.98          | 6.25      | 27.44         | 315     | 43        | A         | V       |
|                             |      |           |            |        |            |            |                |           |               |         |           |           | V       |
|                             |      |           |            |        |            |            |                |           |               |         |           |           | V       |
| 802.11a<br>CH 44<br>5220MHz |      | 5070.72   | 52.83      | -21.17 | 74         | 42.11      | 32.04          | 6.13      | 27.45         | 100     | 201       | P         | H       |
|                             |      | 5111.02   | 43.74      | -10.26 | 54         | 32.92      | 32.1           | 6.17      | 27.45         | 100     | 201       | A         | H       |
|                             | *    | 5220      | 107.68     | -      | -          | 97.01      | 31.82          | 6.28      | 27.43         | 100     | 201       | P         | H       |
|                             | *    | 5220      | 100.39     | -      | -          | 89.72      | 31.82          | 6.28      | 27.43         | 100     | 201       | A         | H       |
|                             |      | 5423.32   | 50.55      | -23.45 | 74         | 39.73      | 31.89          | 6.34      | 27.41         | 100     | 201       | P         | H       |
|                             |      | 5456.92   | 41.77      | -12.23 | 54         | 30.81      | 32.01          | 6.36      | 27.41         | 100     | 201       | A         | H       |
|                             |      | 5087.62   | 53.29      | -20.71 | 74         | 42.51      | 32.08          | 6.15      | 27.45         | 348     | 48        | P         | V       |
|                             |      | 5112.32   | 43.77      | -10.23 | 54         | 32.95      | 32.1           | 6.17      | 27.45         | 348     | 48        | A         | V       |
|                             | *    | 5220      | 106.89     | -      | -          | 96.22      | 31.82          | 6.28      | 27.43         | 348     | 48        | P         | V       |
|                             | *    | 5220      | 101.36     | -      | -          | 90.69      | 31.82          | 6.28      | 27.43         | 348     | 48        | A         | V       |
|                             |      | 5446      | 51.27      | -22.73 | 74         | 40.34      | 31.98          | 6.36      | 27.41         | 348     | 48        | P         | V       |
|                             |      | 5455.8    | 41.83      | -12.17 | 54         | 30.87      | 32.01          | 6.36      | 27.41         | 348     | 48        | A         | V       |



|                                                  |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5144.82 | 53.82  | -20.18 | 74 | 42.95 | 32.1  | 6.21 | 27.44 | 100 | 204 | P | H |
|                                                  |                                                                                             | 5115.7  | 43.71  | -10.29 | 54 | 32.88 | 32.1  | 6.18 | 27.45 | 100 | 204 | A | H |
|                                                  | *                                                                                           | 5240    | 106.32 | -      | -  | 95.73 | 31.74 | 6.28 | 27.43 | 100 | 204 | P | H |
|                                                  | *                                                                                           | 5240    | 101.14 | -      | -  | 90.55 | 31.74 | 6.28 | 27.43 | 100 | 204 | A | H |
|                                                  |                                                                                             | 5356.12 | 51.75  | -22.25 | 74 | 41.31 | 31.54 | 6.32 | 27.42 | 100 | 204 | P | H |
|                                                  |                                                                                             | 5440.96 | 42     | -12    | 54 | 31.1  | 31.96 | 6.35 | 27.41 | 100 | 204 | A | H |
|                                                  |                                                                                             | 5021.32 | 52.87  | -21.13 | 74 | 42.32 | 31.94 | 6.07 | 27.46 | 327 | 46  | P | V |
|                                                  |                                                                                             | 5096.72 | 43.81  | -10.19 | 54 | 33.01 | 32.09 | 6.16 | 27.45 | 327 | 46  | A | V |
|                                                  | *                                                                                           | 5240    | 106.59 | -      | -  | 96    | 31.74 | 6.28 | 27.43 | 327 | 46  | P | V |
|                                                  | *                                                                                           | 5240    | 101.77 | -      | -  | 91.18 | 31.74 | 6.28 | 27.43 | 327 | 46  | A | V |
|                                                  |                                                                                             | 5395.88 | 50.7   | -23.3  | 74 | 40    | 31.78 | 6.33 | 27.41 | 327 | 46  | P | V |
|                                                  |                                                                                             | 5458.04 | 41.81  | -12.19 | 54 | 30.84 | 32.02 | 6.36 | 27.41 | 327 | 46  | 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 802.11a (Harmonic @ 3m)

| WIFI<br>Ant.<br>3+4         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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                | 52.85               | -15.35           | 68.2                        | 59.54                     | 40.1                          | 9.78                   | 56.57                      | -                    | -                       | P                       | H               |
|                             |      | 15540                | 45.55               | -28.45           | 74                          | 51.01                     | 39.02                         | 12.05                  | 56.53                      | -                    | -                       | P                       | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      | 10360                | 64.88               | -3.32            | 68.2                        | 71.57                     | 40.1                          | 9.78                   | 56.57                      | 100                  | 303                     | P                       | V               |
|                             |      | 15540                | 59.56               | -14.44           | 74                          | 65.02                     | 39.02                         | 12.05                  | 56.53                      | 100                  | 303                     | P                       | V               |
|                             |      | 15540                | 43.36               | -10.64           | 54                          | 48.82                     | 39.02                         | 12.05                  | 56.53                      | 100                  | 303                     | A                       | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3+4                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11a<br/>CH 44<br/>5220MHz</b> |      | 10440                | 54.15               | -14.05           | 68.2                        | 60.5                    | 40.3                          | 9.82                   | 56.47                      | -                    | -                       | P                     | H             |
|                                      |      | 15660                | 57.9                | -16.1            | 74                          | 63.63                   | 38.6                          | 12.04                  | 56.37                      | 114                  | 345                     | P                     | H             |
|                                      |      | 15660                | 44.02               | -9.98            | 54                          | 49.75                   | 38.6                          | 12.04                  | 56.37                      | 114                  | 345                     | A                     | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      | 10440                | 64.41               | -3.79            | 68.2                        | 70.76                   | 40.3                          | 9.82                   | 56.47                      | 100                  | 307                     | P                     | V             |
|                                      |      | 15660                | 63.7                | -10.3            | 74                          | 69.43                   | 38.6                          | 12.04                  | 56.37                      | 100                  | 304                     | P                     | V             |
|                                      |      | 15660                | 50.52               | -3.48            | 54                          | 56.25                   | 38.6                          | 12.04                  | 56.37                      | 100                  | 304                     | A                     | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

[illegible]



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

| WIFI<br>Ant.<br>3+4                       | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 36<br>5180MHz |      | 5146.38              | 61.68               | -12.32           | 74                          | 50.81                     | 32.1                          | 6.21                   | 27.44                      | 100                  | 215                     | P                       | H               |
|                                           |      | 5150                 | 52.2                | -1.8             | 54                          | 41.32                     | 32.1                          | 6.22                   | 27.44                      | 100                  | 215                     | A                       | H               |
|                                           | *    | 5180                 | 109.35              | -                | -                           | 98.56                     | 31.98                         | 6.25                   | 27.44                      | 100                  | 215                     | P                       | H               |
|                                           | *    | 5180                 | 100.83              | -                | -                           | 90.04                     | 31.98                         | 6.25                   | 27.44                      | 100                  | 215                     | A                       | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      | 5143.26              | 61                  | -13              | 74                          | 50.13                     | 32.1                          | 6.21                   | 27.44                      | 399                  | 50                      | P                       | V               |
|                                           |      | 5149.76              | 52.01               | -1.99            | 54                          | 41.14                     | 32.1                          | 6.21                   | 27.44                      | 399                  | 50                      | A                       | V               |
|                                           | *    | 5180                 | 108.72              | -                | -                           | 97.93                     | 31.98                         | 6.25                   | 27.44                      | 399                  | 50                      | P                       | V               |
|                                           | *    | 5180                 | 100.58              | -                | -                           | 89.79                     | 31.98                         | 6.25                   | 27.44                      | 399                  | 50                      | A                       | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20 Full<br>CH 44<br>5220MHz |      | 5098.54              | 53.09               | -20.91           | 74                          | 42.28                     | 32.1                          | 6.16                   | 27.45                      | 108                  | 214                     | P                       | H               |
|                                           |      | 5107.64              | 44.02               | -9.98            | 54                          | 33.2                      | 32.1                          | 6.17                   | 27.45                      | 108                  | 214                     | A                       | H               |
|                                           | *    | 5220                 | 107.67              | -                | -                           | 97                        | 31.82                         | 6.28                   | 27.43                      | 108                  | 214                     | P                       | H               |
|                                           | *    | 5220                 | 100.7               | -                | -                           | 90.03                     | 31.82                         | 6.28                   | 27.43                      | 108                  | 214                     | A                       | H               |
|                                           |      | 5416.04              | 51.53               | -22.47           | 74                          | 40.74                     | 31.86                         | 6.34                   | 27.41                      | 108                  | 214                     | P                       | H               |
|                                           |      | 5449.64              | 41.85               | -12.15           | 54                          | 30.9                      | 32                            | 6.36                   | 27.41                      | 108                  | 214                     | A                       | H               |
|                                           |      | 5113.1               | 53.45               | -20.55           | 74                          | 42.63                     | 32.1                          | 6.17                   | 27.45                      | 390                  | 49                      | P                       | V               |
|                                           |      | 5117.78              | 43.89               | -10.11           | 54                          | 33.06                     | 32.1                          | 6.18                   | 27.45                      | 390                  | 49                      | A                       | V               |
|                                           | *    | 5220                 | 107.66              | -                | -                           | 96.99                     | 31.82                         | 6.28                   | 27.43                      | 390                  | 49                      | P                       | V               |
|                                           | *    | 5220                 | 100.29              | -                | -                           | 89.62                     | 31.82                         | 6.28                   | 27.43                      | 390                  | 49                      | A                       | V               |
|                                           |      | 5411                 | 50.43               | -23.57           | 74                          | 39.66                     | 31.84                         | 6.34                   | 27.41                      | 390                  | 49                      | P                       | V               |
|                                           |      | 5457.48              | 41.93               | -12.07           | 54                          | 30.97                     | 32.01                         | 6.36                   | 27.41                      | 390                  | 49                      | A                       | V               |



|                                                                       |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11ax</b><br><b>HE20 Full</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5125.06 | 54.1   | -19.9  | 74 | 43.25 | 32.1  | 6.19 | 27.44 | 100 | 236 | P | H |
|                                                                       |                                                                                             | 5126.1  | 43.88  | -10.12 | 54 | 33.03 | 32.1  | 6.19 | 27.44 | 100 | 236 | A | H |
|                                                                       | *                                                                                           | 5240    | 107.88 | -      | -  | 97.29 | 31.74 | 6.28 | 27.43 | 100 | 236 | P | H |
|                                                                       | *                                                                                           | 5240    | 99.87  | -      | -  | 89.28 | 31.74 | 6.28 | 27.43 | 100 | 236 | A | H |
|                                                                       |                                                                                             | 5446.28 | 50.88  | -23.12 | 74 | 39.94 | 31.99 | 6.36 | 27.41 | 100 | 236 | P | H |
|                                                                       |                                                                                             | 5458.6  | 41.98  | -12.02 | 54 | 31    | 32.02 | 6.36 | 27.4  | 100 | 236 | A | H |
|                                                                       |                                                                                             | 5110.76 | 53.18  | -20.82 | 74 | 42.36 | 32.1  | 6.17 | 27.45 | 398 | 132 | P | V |
|                                                                       |                                                                                             | 5101.66 | 43.63  | -10.37 | 54 | 32.82 | 32.1  | 6.16 | 27.45 | 398 | 132 | A | V |
|                                                                       | *                                                                                           | 5240    | 105.74 | -      | -  | 95.15 | 31.74 | 6.28 | 27.43 | 398 | 132 | P | V |
|                                                                       | *                                                                                           | 5240    | 98.73  | -      | -  | 88.14 | 31.74 | 6.28 | 27.43 | 398 | 132 | A | V |
|                                                                       |                                                                                             | 5441.52 | 50.8   | -23.2  | 74 | 39.89 | 31.97 | 6.35 | 27.41 | 398 | 132 | P | V |
|                                                                       |                                                                                             | 5447.96 | 41.75  | -12.25 | 54 | 30.81 | 31.99 | 6.36 | 27.41 | 398 | 132 | 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 HE20 Full (Harmonic @ 3m)

| WIFI<br>Ant.<br>3+4                       | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 36<br>5180MHz |      | 10360                | 52.48               | -15.72           | 68.2                        | 59.17                     | 40.1                          | 9.78                   | 56.57                      | -                    | -                       | P                       | H               |
|                                           |      | 15540                | 47.85               | -26.15           | 74                          | 53.31                     | 39.02                         | 12.05                  | 56.53                      | -                    | -                       | P                       | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      | 10360                | 63.32               | -4.88            | 68.2                        | 70.01                     | 40.1                          | 9.78                   | 56.57                      | 100                  | 303                     | P                       | V               |
|                                           |      | 15540                | 60.76               | -13.24           | 74                          | 66.22                     | 39.02                         | 12.05                  | 56.53                      | 114                  | 302                     | P                       | V               |
|                                           |      | 15540                | 47.2                | -6.8             | 54                          | 52.66                     | 39.02                         | 12.05                  | 56.53                      | 114                  | 302                     | A                       | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3+4                                                   | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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</b><br><b>HE20 Full</b><br><b>CH 44</b><br><b>5220MHz</b> |      | 10440                | 53.98               | -14.22           | 68.2                        | 60.33                   | 40.3                          | 9.82                   | 56.47                      | -                    | -                       | P                     | H             |
|                                                                       |      | 15660                | 56.99               | -17.01           | 74                          | 62.72                   | 38.6                          | 12.04                  | 56.37                      | 136                  | 344                     | P                     | H             |
|                                                                       |      | 15660                | 43.91               | -10.09           | 54                          | 49.64                   | 38.6                          | 12.04                  | 56.37                      | 136                  | 344                     | A                     | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      | 10440                | 58.18               | -10.02           | 68.2                        | 64.53                   | 40.3                          | 9.82                   | 56.47                      | -                    | -                       | P                     | V             |
|                                                                       |      | 15660                | 64.57               | -9.43            | 74                          | 70.3                    | 38.6                          | 12.04                  | 56.37                      | 109                  | 306                     | P                     | V             |
|                                                                       |      | 15660                | 50.45               | -3.55            | 54                          | 56.18                   | 38.6                          | 12.04                  | 56.37                      | 109                  | 306                     | A                     | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

[illegible]



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>3+4                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 38<br>5190MHz |                                                                                             | 5149.76              | 64.99               | -9.01            | 74                          | 54.12                     | 32.1                          | 6.21                   | 27.44                      | 100                  | 213                     | P                       | H               |
|                                           |                                                                                             | 5149.5               | 52.06               | -1.94            | 54                          | 41.19                     | 32.1                          | 6.21                   | 27.44                      | 100                  | 213                     | A                       | H               |
|                                           | *                                                                                           | 5190                 | 103.31              | -                | -                           | 92.55                     | 31.94                         | 6.26                   | 27.44                      | 100                  | 213                     | P                       | H               |
|                                           | *                                                                                           | 5190                 | 95.45               | -                | -                           | 84.69                     | 31.94                         | 6.26                   | 27.44                      | 100                  | 213                     | A                       | H               |
|                                           |                                                                                             | 5434.24              | 51.08               | -22.92           | 74                          | 40.2                      | 31.94                         | 6.35                   | 27.41                      | 100                  | 213                     | P                       | H               |
|                                           |                                                                                             | 5457.2               | 41.89               | -12.11           | 54                          | 30.93                     | 32.01                         | 6.36                   | 27.41                      | 100                  | 213                     | A                       | H               |
|                                           |                                                                                             | 5149.5               | 64.85               | -9.15            | 74                          | 53.98                     | 32.1                          | 6.21                   | 27.44                      | 395                  | 47                      | P                       | V               |
|                                           |                                                                                             | 5150                 | 51.01               | -2.99            | 54                          | 40.13                     | 32.1                          | 6.22                   | 27.44                      | 395                  | 47                      | A                       | V               |
|                                           | *                                                                                           | 5190                 | 103.69              | -                | -                           | 92.93                     | 31.94                         | 6.26                   | 27.44                      | 395                  | 47                      | P                       | V               |
|                                           | *                                                                                           | 5190                 | 94.83               | -                | -                           | 84.07                     | 31.94                         | 6.26                   | 27.44                      | 395                  | 47                      | A                       | V               |
|                                           |                                                                                             | 5423.32              | 51.6                | -22.4            | 74                          | 40.78                     | 31.89                         | 6.34                   | 27.41                      | 395                  | 47                      | P                       | V               |
|                                           |                                                                                             | 5456.08              | 41.69               | -12.31           | 54                          | 30.73                     | 32.01                         | 6.36                   | 27.41                      | 395                  | 47                      | A                       | V               |
| 802.11ax<br>HE40 Full<br>CH 46<br>5230MHz |                                                                                             | 5149.5               | 57.29               | -16.71           | 74                          | 46.42                     | 32.1                          | 6.21                   | 27.44                      | 100                  | 218                     | P                       | H               |
|                                           |                                                                                             | 5148.98              | 47.79               | -6.21            | 54                          | 36.92                     | 32.1                          | 6.21                   | 27.44                      | 100                  | 218                     | A                       | H               |
|                                           | *                                                                                           | 5230                 | 105.39              | -                | -                           | 94.76                     | 31.78                         | 6.28                   | 27.43                      | 100                  | 218                     | P                       | H               |
|                                           | *                                                                                           | 5230                 | 98.29               | -                | -                           | 87.66                     | 31.78                         | 6.28                   | 27.43                      | 100                  | 218                     | A                       | H               |
|                                           |                                                                                             | 5419.68              | 50.99               | -23.01           | 74                          | 40.18                     | 31.88                         | 6.34                   | 27.41                      | 100                  | 218                     | P                       | H               |
|                                           |                                                                                             | 5452.44              | 42.08               | -11.92           | 54                          | 31.13                     | 32                            | 6.36                   | 27.41                      | 100                  | 218                     | A                       | H               |
|                                           |                                                                                             | 5148.72              | 54.04               | -19.96           | 74                          | 43.17                     | 32.1                          | 6.21                   | 27.44                      | 400                  | 138                     | P                       | V               |
|                                           |                                                                                             | 5149.76              | 45.48               | -8.52            | 54                          | 34.61                     | 32.1                          | 6.21                   | 27.44                      | 400                  | 138                     | A                       | V               |
|                                           | *                                                                                           | 5230                 | 104.32              | -                | -                           | 93.69                     | 31.78                         | 6.28                   | 27.43                      | 400                  | 138                     | P                       | V               |
|                                           | *                                                                                           | 5230                 | 96.91               | -                | -                           | 86.28                     | 31.78                         | 6.28                   | 27.43                      | 400                  | 138                     | A                       | V               |
|                                           |                                                                                             | 5382.72              | 50.88               | -23.12           | 74                          | 40.27                     | 31.7                          | 6.32                   | 27.41                      | 400                  | 138                     | P                       | V               |
|                                           |                                                                                             | 5459.16              | 41.82               | -12.18           | 54                          | 30.84                     | 32.02                         | 6.36                   | 27.4                       | 400                  | 138                     | 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 Full (Harmonic @ 3m)

[illegible]

[illegible]



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>3+4                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 42<br>5210MHz |                                                                                             | 5149.76              | 63.06               | -10.94           | 74                          | 52.19                   | 32.1                          | 6.21                   | 27.44                      | 100                  | 219                     | P                     | H             |
|                                           |                                                                                             | 5149.76              | 51.98               | -2.02            | 54                          | 41.11                   | 32.1                          | 6.21                   | 27.44                      | 100                  | 219                     | P                     | H             |
|                                           | *                                                                                           | 5210                 | 100.77              | -                | -                           | 90.07                   | 31.86                         | 6.27                   | 27.43                      | 100                  | 219                     | P                     | H             |
|                                           | *                                                                                           | 5210                 | 92.19               | -                | -                           | 81.49                   | 31.86                         | 6.27                   | 27.43                      | 100                  | 219                     | A                     | H             |
|                                           |                                                                                             | 5455.24              | 51.43               | -22.57           | 74                          | 40.47                   | 32.01                         | 6.36                   | 27.41                      | 100                  | 219                     | P                     | H             |
|                                           |                                                                                             | 5444.88              | 42.01               | -11.99           | 54                          | 31.09                   | 31.98                         | 6.35                   | 27.41                      | 100                  | 219                     | A                     | H             |
|                                           |                                                                                             | 5148.98              | 63.3                | -10.7            | 74                          | 52.43                   | 32.1                          | 6.21                   | 27.44                      | 382                  | 46                      | P                     | V             |
|                                           |                                                                                             | 5150                 | 51.88               | -2.12            | 54                          | 41                      | 32.1                          | 6.22                   | 27.44                      | 382                  | 46                      | A                     | V             |
|                                           | *                                                                                           | 5210                 | 98.08               | -                | -                           | 87.38                   | 31.86                         | 6.27                   | 27.43                      | 382                  | 46                      | P                     | V             |
|                                           | *                                                                                           | 5210                 | 90.19               | -                | -                           | 79.49                   | 31.86                         | 6.27                   | 27.43                      | 382                  | 46                      | A                     | V             |
|                                           |                                                                                             | 5458.88              | 51.09               | -22.91           | 74                          | 40.11                   | 32.02                         | 6.36                   | 27.4                       | 382                  | 46                      | P                     | V             |
|                                           |                                                                                             | 5454.4               | 42                  | -12              | 54                          | 31.04                   | 32.01                         | 6.36                   | 27.41                      | 382                  | 46                      | 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 Full (Harmonic @ 3m)

[illegible]



## Band 1 5150~5250MHz

## WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>3+4                        | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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>HE160 Full<br>CH 50<br>5250MHz |                                                                                             | 5134.64              | 64.41               | -9.59            | 74                          | 53.55                   | 32.1                          | 6.2                    | 27.44                      | 109                  | 217                     | P                     | H             |
|                                            |                                                                                             | 5136.34              | 51.42               | -2.58            | 54                          | 40.56                   | 32.1                          | 6.2                    | 27.44                      | 109                  | 217                     | A                     | H             |
|                                            | *                                                                                           | 5250                 | 96.71               | -                | -                           | 86.16                   | 31.7                          | 6.28                   | 27.43                      | 109                  | 217                     | P                     | H             |
|                                            | *                                                                                           | 5250                 | 86.72               | -                | -                           | 76.17                   | 31.7                          | 6.28                   | 27.43                      | 109                  | 217                     | A                     | H             |
|                                            |                                                                                             | 5375.28              | 64.73               | -9.27            | 74                          | 54.17                   | 31.65                         | 6.32                   | 27.41                      | 109                  | 217                     | P                     | H             |
|                                            |                                                                                             | 5375.28              | 51.27               | -2.73            | 54                          | 40.71                   | 31.65                         | 6.32                   | 27.41                      | 109                  | 217                     | A                     | H             |
|                                            |                                                                                             | 5136.68              | 64.43               | -9.57            | 74                          | 53.57                   | 32.1                          | 6.2                    | 27.44                      | 388                  | 53                      | P                     | V             |
|                                            |                                                                                             | 5135.66              | 49.79               | -4.21            | 54                          | 38.93                   | 32.1                          | 6.2                    | 27.44                      | 388                  | 53                      | A                     | V             |
|                                            | *                                                                                           | 5250                 | 95.44               | -                | -                           | 84.89                   | 31.7                          | 6.28                   | 27.43                      | 388                  | 53                      | P                     | V             |
|                                            | *                                                                                           | 5250                 | 86.18               | -                | -                           | 75.63                   | 31.7                          | 6.28                   | 27.43                      | 388                  | 53                      | A                     | V             |
|                                            |                                                                                             | 5374.32              | 62.49               | -11.51           | 74                          | 51.94                   | 31.65                         | 6.32                   | 27.42                      | 388                  | 53                      | P                     | V             |
|                                            |                                                                                             | 5376.96              | 50.75               | -3.25            | 54                          | 40.18                   | 31.66                         | 6.32                   | 27.41                      | 388                  | 53                      | 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 HE160 Full (Harmonic @ 3m)

[illegible]



## Band 2 - 5250~5350MHz

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

| WIFI<br>Ant.<br>3+4         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 |      | 5056.44              | 52.46               | -21.54           | 74                          | 41.79                   | 32.01                         | 6.11                   | 27.45                      | 100                  | 205                     | P                     | H             |
|                             |      | 5118.66              | 43.52               | -10.48           | 54                          | 32.69                   | 32.1                          | 6.18                   | 27.45                      | 100                  | 205                     | A                     | H             |
|                             | *    | 5260                 | 109.03              | -                | -                           | 98.51                   | 31.66                         | 6.29                   | 27.43                      | 100                  | 205                     | P                     | H             |
|                             | *    | 5260                 | 101.47              | -                | -                           | 90.95                   | 31.66                         | 6.29                   | 27.43                      | 100                  | 205                     | A                     | H             |
|                             |      | 5453.04              | 50.8                | -23.2            | 74                          | 39.84                   | 32.01                         | 6.36                   | 27.41                      | 100                  | 205                     | P                     | H             |
|                             |      | 5451.84              | 41.73               | -12.27           | 54                          | 30.78                   | 32                            | 6.36                   | 27.41                      | 100                  | 205                     | A                     | H             |
|                             |      | 5097.24              | 52.37               | -21.63           | 74                          | 41.57                   | 32.09                         | 6.16                   | 27.45                      | 327                  | 45                      | P                     | V             |
|                             |      | 5115.26              | 43.71               | -10.29           | 54                          | 32.88                   | 32.1                          | 6.18                   | 27.45                      | 327                  | 45                      | A                     | V             |
|                             | *    | 5260                 | 108.51              | -                | -                           | 97.99                   | 31.66                         | 6.29                   | 27.43                      | 327                  | 45                      | P                     | V             |
|                             | *    | 5260                 | 101.21              | -                | -                           | 90.69                   | 31.66                         | 6.29                   | 27.43                      | 327                  | 45                      | A                     | V             |
|                             |      | 5351.52              | 54.05               | -19.95           | 74                          | 43.64                   | 31.51                         | 6.32                   | 27.42                      | 327                  | 45                      | P                     | V             |
|                             |      | 5455.92              | 41.88               | -12.12           | 54                          | 30.92                   | 32.01                         | 6.36                   | 27.41                      | 327                  | 45                      | A                     | V             |
| 802.11a<br>CH 60<br>5300MHz |      | 5128.52              | 51.9                | -22.1            | 74                          | 41.05                   | 32.1                          | 6.19                   | 27.44                      | 100                  | 206                     | P                     | H             |
|                             |      | 5115.26              | 43.37               | -10.63           | 54                          | 32.54                   | 32.1                          | 6.18                   | 27.45                      | 100                  | 206                     | A                     | H             |
|                             | *    | 5300                 | 108.33              | -                | -                           | 97.95                   | 31.5                          | 6.3                    | 27.42                      | 100                  | 206                     | P                     | H             |
|                             | *    | 5300                 | 100.67              | -                | -                           | 90.29                   | 31.5                          | 6.3                    | 27.42                      | 100                  | 206                     | A                     | H             |
|                             |      | 5354.64              | 59.42               | -14.58           | 74                          | 48.99                   | 31.53                         | 6.32                   | 27.42                      | 100                  | 206                     | P                     | H             |
|                             |      | 5457.6               | 41.78               | -12.22           | 54                          | 30.81                   | 32.02                         | 6.36                   | 27.41                      | 100                  | 206                     | A                     | H             |
|                             |      | 5140.42              | 52.75               | -21.25           | 74                          | 41.89                   | 32.1                          | 6.2                    | 27.44                      | 339                  | 51                      | P                     | V             |
|                             |      | 5109.14              | 43.28               | -10.72           | 54                          | 32.46                   | 32.1                          | 6.17                   | 27.45                      | 339                  | 51                      | A                     | V             |
|                             | *    | 5300                 | 108.44              | -                | -                           | 98.06                   | 31.5                          | 6.3                    | 27.42                      | 339                  | 51                      | P                     | V             |
|                             | *    | 5300                 | 100.57              | -                | -                           | 90.19                   | 31.5                          | 6.3                    | 27.42                      | 339                  | 51                      | A                     | V             |
|                             |      | 5412.72              | 54.32               | -19.68           | 74                          | 43.54                   | 31.85                         | 6.34                   | 27.41                      | 339                  | 51                      | P                     | V             |
|                             |      | 5442.72              | 42.21               | -11.79           | 54                          | 31.3                    | 31.97                         | 6.35                   | 27.41                      | 339                  | 51                      | A                     | V             |



|                                                  |                                                                                             |         |        |       |    |       |       |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 106.14 | -     | -  | 95.75 | 31.5  | 6.31 | 27.42 | 110 | 206 | P | H |
|                                                  | *                                                                                           | 5320    | 99.68  | -     | -  | 89.29 | 31.5  | 6.31 | 27.42 | 110 | 206 | A | H |
|                                                  |                                                                                             | 5350.72 | 66.13  | -7.87 | 74 | 55.73 | 31.5  | 6.32 | 27.42 | 110 | 206 | P | H |
|                                                  |                                                                                             | 5350.4  | 49.67  | -4.33 | 54 | 39.27 | 31.5  | 6.32 | 27.42 | 110 | 206 | A | H |
|                                                  |                                                                                             |         |        |       |    |       |       |      |       |     |     |   | H |
|                                                  |                                                                                             |         |        |       |    |       |       |      |       |     |     |   | H |
|                                                  | *                                                                                           | 5320    | 107.87 | -     | -  | 97.48 | 31.5  | 6.31 | 27.42 | 337 | 49  | P | V |
|                                                  | *                                                                                           | 5320    | 99.51  | -     | -  | 89.12 | 31.5  | 6.31 | 27.42 | 337 | 49  | A | V |
|                                                  |                                                                                             | 5355.36 | 65.28  | -8.72 | 74 | 54.85 | 31.53 | 6.32 | 27.42 | 337 | 49  | P | V |
|                                                  |                                                                                             | 5351.2  | 48.65  | -5.35 | 54 | 38.24 | 31.51 | 6.32 | 27.42 | 337 | 49  | 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>3+4         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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                | 52.01               | -16.19           | 68.2                        | 58.22                   | 40.32                         | 9.87                   | 56.4                       | -                    | -                       | P                     | H             |
|                             |      | 15780                | 56.78               | -17.22           | 74                          | 62.35                   | 38.6                          | 12.04                  | 56.21                      | 100                  | 296                     | P                     | H             |
|                             |      | 15780                | 42.77               | -11.23           | 54                          | 48.34                   | 38.6                          | 12.04                  | 56.21                      | 100                  | 296                     | A                     | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      | 10520                | 58.29               | -9.91            | 68.2                        | 64.5                    | 40.32                         | 9.87                   | 56.4                       | -                    | -                       | P                     | V             |
|                             |      | 15780                | 64.83               | -9.17            | 74                          | 70.4                    | 38.6                          | 12.04                  | 56.21                      | 119                  | 304                     | P                     | V             |
|                             |      | 15780                | 50.89               | -3.11            | 54                          | 56.46                   | 38.6                          | 12.04                  | 56.21                      | 119                  | 304                     | A                     | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |



| WIFI<br>Ant.<br>3+4         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 60<br>5300MHz |      | 10600                | 52.81               | -21.19           | 74                          | 58.89                   | 40.4                          | 9.92                   | 56.4                       | 107                  | 307                     | P                     | H             |
|                             |      | 10600                | 42.63               | -11.37           | 54                          | 48.71                   | 40.4                          | 9.92                   | 56.4                       | 107                  | 307                     | A                     | H             |
|                             |      | 15900                | 56.76               | -17.24           | 74                          | 62.38                   | 38.4                          | 12.03                  | 56.05                      | 100                  | 296                     | P                     | H             |
|                             |      | 15900                | 43.02               | -10.98           | 54                          | 48.64                   | 38.4                          | 12.03                  | 56.05                      | 100                  | 296                     | A                     | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      | 10600                | 55.02               | -18.98           | 74                          | 61.1                    | 40.4                          | 9.92                   | 56.4                       | 100                  | 295                     | P                     | V             |
|                             |      | 10600                | 46.19               | -7.81            | 54                          | 52.27                   | 40.4                          | 9.92                   | 56.4                       | 100                  | 295                     | A                     | V             |
|                             |      | 15900                | 64.11               | -9.89            | 74                          | 69.73                   | 38.4                          | 12.03                  | 56.05                      | 108                  | 307                     | P                     | V             |
|                             |      | 15900                | 50.43               | -3.57            | 54                          | 56.05                   | 38.4                          | 12.03                  | 56.05                      | 108                  | 307                     | A                     | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

| WIFI                                | Note                                                                                                                                                                                                                                   | Frequency | Level      | Margin | Limit      | Read            | Antenna            | Path           | Preamp           | Ant           | Table          | Peak          | Pol.  |   |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|--------|------------|-----------------|--------------------|----------------|------------------|---------------|----------------|---------------|-------|---|
| Ant.<br>3+4                         |                                                                                                                                                                                                                                        | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | Level<br>(dBμV) | Factor<br>( dB/m ) | Loss<br>( dB ) | Factor<br>( dB ) | Pos<br>( cm ) | Pos<br>( deg ) | Avg.<br>(P/A) | (H/V) |   |
| 802.11a<br><br>CH 64<br><br>5320MHz |                                                                                                                                                                                                                                        | 10640     | 55.11      | -18.89 | 74         | 61.09           | 40.48              | 9.94           | 56.4             | 105           | 209            | P             | H     |   |
|                                     |                                                                                                                                                                                                                                        | 10640     | 43.8       | -10.2  | 54         | 49.78           | 40.48              | 9.94           | 56.4             | 105           | 209            | A             | H     |   |
|                                     |                                                                                                                                                                                                                                        | 15960     | 59.1       | -14.9  | 74         | 64.7            | 38.34              | 12.03          | 55.97            | 100           | 299            | P             | H     |   |
|                                     |                                                                                                                                                                                                                                        | 15960     | 44.89      | -9.11  | 54         | 50.49           | 38.34              | 12.03          | 55.97            | 100           | 299            | A             | H     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | H     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | H     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | H     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | H     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | H     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | H     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | H     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | H     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | H     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | H     |   |
|                                     |                                                                                                                                                                                                                                        | 10640     | 55.07      | -18.93 | 74         | 61.05           | 40.48              | 9.94           | 56.4             | 100           | 235            | 235           | P     | V |
|                                     |                                                                                                                                                                                                                                        | 10640     | 46.37      | -7.63  | 54         | 52.35           | 40.48              | 9.94           | 56.4             | 100           | 235            | 235           | A     | V |
|                                     |                                                                                                                                                                                                                                        | 15960     | 63.05      | -10.95 | 74         | 68.65           | 38.34              | 12.03          | 55.97            | 100           | 244            | 244           | P     | V |
|                                     |                                                                                                                                                                                                                                        | 15960     | 50.29      | -3.71  | 54         | 55.89           | 38.34              | 12.03          | 55.97            | 100           | 244            | 244           | A     | V |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               |       | V |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               |       | V |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               |       | V |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               |       | V |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               |       | V |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               |       | V |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | V     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | V     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | V     |   |
|                                     |                                                                                                                                                                                                                                        |           |            |        |            |                 |                    |                |                  |               |                |               | V     |   |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line.<br>3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |           |            |        |            |                 |                    |                |                  |               |                |               |       |   |



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>3+4                       | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 52<br>5260MHz |      | 5097.92              | 53.24               | -20.76           | 74                          | 42.43                     | 32.1                          | 6.16                   | 27.45                      | 100                  | 214                     | P                       | H               |
|                                           |      | 5119.68              | 43.75               | -10.25           | 54                          | 32.92                     | 32.1                          | 6.18                   | 27.45                      | 100                  | 214                     | A                       | H               |
|                                           | *    | 5260                 | 108.78              | -                | -                           | 98.26                     | 31.66                         | 6.29                   | 27.43                      | 100                  | 214                     | P                       | H               |
|                                           | *    | 5260                 | 99.8                | -                | -                           | 89.28                     | 31.66                         | 6.29                   | 27.43                      | 100                  | 214                     | A                       | H               |
|                                           |      | 5397.36              | 51.03               | -22.97           | 74                          | 40.33                     | 31.78                         | 6.33                   | 27.41                      | 100                  | 214                     | P                       | H               |
|                                           |      | 5459.28              | 41.95               | -12.05           | 54                          | 30.97                     | 32.02                         | 6.36                   | 27.4                       | 100                  | 214                     | A                       | H               |
|                                           |      | 5107.44              | 52.05               | -21.95           | 74                          | 41.23                     | 32.1                          | 6.17                   | 27.45                      | 400                  | 55                      | P                       | V               |
|                                           |      | 5147.22              | 43.6                | -10.4            | 54                          | 32.73                     | 32.1                          | 6.21                   | 27.44                      | 400                  | 55                      | A                       | V               |
|                                           | *    | 5260                 | 106.51              | -                | -                           | 95.99                     | 31.66                         | 6.29                   | 27.43                      | 400                  | 55                      | P                       | V               |
|                                           | *    | 5260                 | 97.96               | -                | -                           | 87.44                     | 31.66                         | 6.29                   | 27.43                      | 400                  | 55                      | A                       | V               |
|                                           |      | 5437.44              | 51                  | -23              | 74                          | 40.11                     | 31.95                         | 6.35                   | 27.41                      | 400                  | 55                      | P                       | V               |
|                                           |      | 5459.28              | 41.9                | -12.1            | 54                          | 30.92                     | 32.02                         | 6.36                   | 27.4                       | 400                  | 55                      | A                       | V               |
| 802.11ax<br>HE20 Full<br>CH 60<br>5300MHz |      | 5103.7               | 52.57               | -21.43           | 74                          | 41.76                     | 32.1                          | 6.16                   | 27.45                      | 100                  | 234                     | P                       | H               |
|                                           |      | 5114.24              | 43.48               | -10.52           | 54                          | 32.65                     | 32.1                          | 6.18                   | 27.45                      | 100                  | 234                     | A                       | H               |
|                                           | *    | 5300                 | 106.43              | -                | -                           | 96.05                     | 31.5                          | 6.3                    | 27.42                      | 100                  | 234                     | P                       | H               |
|                                           | *    | 5300                 | 98.94               | -                | -                           | 88.56                     | 31.5                          | 6.3                    | 27.42                      | 100                  | 234                     | A                       | H               |
|                                           |      | 5360.4               | 52.09               | -21.91           | 74                          | 41.63                     | 31.56                         | 6.32                   | 27.42                      | 100                  | 234                     | P                       | H               |
|                                           |      | 5350.56              | 42.84               | -11.16           | 54                          | 32.44                     | 31.5                          | 6.32                   | 27.42                      | 100                  | 234                     | A                       | H               |
|                                           |      | 5083.64              | 52.84               | -21.16           | 74                          | 42.08                     | 32.07                         | 6.14                   | 27.45                      | 378                  | 50                      | P                       | V               |
|                                           |      | 5148.58              | 43.48               | -10.52           | 54                          | 32.61                     | 32.1                          | 6.21                   | 27.44                      | 378                  | 50                      | A                       | V               |
|                                           | *    | 5300                 | 106.72              | -                | -                           | 96.34                     | 31.5                          | 6.3                    | 27.42                      | 378                  | 50                      | P                       | V               |
|                                           | *    | 5300                 | 98.54               | -                | -                           | 88.16                     | 31.5                          | 6.3                    | 27.42                      | 378                  | 50                      | A                       | V               |
|                                           |      | 5451.12              | 50.89               | -23.11           | 74                          | 39.94                     | 32                            | 6.36                   | 27.41                      | 378                  | 50                      | P                       | V               |
|                                           |      | 5460                 | 42.28               | -11.72           | 54                          | 31.3                      | 32.02                         | 6.36                   | 27.4                       | 378                  | 50                      | A                       | V               |



|                                                                       |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11ax</b><br><b>HE20 Full</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 106.6  | -      | -  | 96.21 | 31.5  | 6.31 | 27.42 | 100 | 234 | P | H |
|                                                                       | *                                                                                           | 5320    | 97.93  | -      | -  | 87.54 | 31.5  | 6.31 | 27.42 | 100 | 234 | A | H |
|                                                                       |                                                                                             | 5350.24 | 64.33  | -9.67  | 74 | 53.93 | 31.5  | 6.32 | 27.42 | 100 | 234 | P | H |
|                                                                       |                                                                                             | 5350.4  | 50.25  | -3.75  | 54 | 39.85 | 31.5  | 6.32 | 27.42 | 100 | 234 | A | H |
|                                                                       |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | H |
|                                                                       |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | H |
|                                                                       | *                                                                                           | 5320    | 106.16 | -      | -  | 95.77 | 31.5  | 6.31 | 27.42 | 394 | 46  | P | V |
|                                                                       | *                                                                                           | 5320    | 96.96  | -      | -  | 86.57 | 31.5  | 6.31 | 27.42 | 394 | 46  | A | V |
|                                                                       |                                                                                             | 5352.64 | 61.34  | -12.66 | 74 | 50.92 | 31.52 | 6.32 | 27.42 | 394 | 46  | P | V |
|                                                                       |                                                                                             | 5350.08 | 50.46  | -3.54  | 54 | 40.06 | 31.5  | 6.32 | 27.42 | 394 | 46  | 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 (Harmonic @ 3m)

| WIFI<br>Ant.<br>3+4                       | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 52<br>5260MHz |      | 10520                | 51.74               | -16.46           | 68.2                        | 57.95                     | 40.32                         | 9.87                   | 56.4                       | -                    | -                       | P                       | H               |
|                                           |      | 15780                | 54.52               | -19.48           | 74                          | 60.09                     | 38.6                          | 12.04                  | 56.21                      | 100                  | 347                     | P                       | H               |
|                                           |      | 15780                | 42.17               | -11.83           | 54                          | 47.74                     | 38.6                          | 12.04                  | 56.21                      | 100                  | 347                     | A                       | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      | 10520                | 55.01               | -13.19           | 68.2                        | 61.22                     | 40.32                         | 9.87                   | 56.4                       | -                    | -                       | P                       | V               |
|                                           |      | 15780                | 63.57               | -10.43           | 74                          | 69.14                     | 38.6                          | 12.04                  | 56.21                      | 110                  | 304                     | P                       | V               |
|                                           |      | 15780                | 50.37               | -3.63            | 54                          | 55.94                     | 38.6                          | 12.04                  | 56.21                      | 110                  | 304                     | A                       | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3+4                                                   | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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</b><br><b>HE20 Full</b><br><b>CH 60</b><br><b>5300MHz</b> |      | 10600                | 53.8                | -20.2            | 74                          | 59.88                   | 40.4                          | 9.92                   | 56.4                       | 100                  | 211                     | P                     | H             |
|                                                                       |      | 10600                | 43.67               | -10.33           | 54                          | 49.75                   | 40.4                          | 9.92                   | 56.4                       | 100                  | 211                     | A                     | H             |
|                                                                       |      | 15900                | 53.62               | -20.38           | 74                          | 59.24                   | 38.4                          | 12.03                  | 56.05                      | 100                  | 296                     | P                     | H             |
|                                                                       |      | 15900                | 42.69               | -11.31           | 54                          | 48.31                   | 38.4                          | 12.03                  | 56.05                      | 100                  | 296                     | A                     | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      | 10600                | 54.62               | -19.38           | 74                          | 60.7                    | 40.4                          | 9.92                   | 56.4                       | 100                  | 307                     | P                     | V             |
|                                                                       |      | 10600                | 44.87               | -9.13            | 54                          | 50.95                   | 40.4                          | 9.92                   | 56.4                       | 100                  | 307                     | A                     | V             |
|                                                                       |      | 15900                | 62.23               | -11.77           | 74                          | 67.85                   | 38.4                          | 12.03                  | 56.05                      | 110                  | 308                     | P                     | V             |
|                                                                       |      | 15900                | 50.37               | -3.63            | 54                          | 55.99                   | 38.4                          | 12.03                  | 56.05                      | 110                  | 308                     | A                     | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

[illegible]



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>3+4                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 54<br>5270MHz |                                                                                             | 5143.48              | 53.9                | -20.1            | 74                          | 43.03                     | 32.1                          | 6.21                   | 27.44                      | 100                  | 214                     | P                       | H               |
|                                           |                                                                                             | 5149.6               | 44.43               | -9.57            | 54                          | 33.56                     | 32.1                          | 6.21                   | 27.44                      | 100                  | 214                     | A                       | H               |
|                                           | *                                                                                           | 5270                 | 106.64              | -                | -                           | 96.16                     | 31.62                         | 6.29                   | 27.43                      | 100                  | 214                     | P                       | H               |
|                                           | *                                                                                           | 5270                 | 97.16               | -                | -                           | 86.68                     | 31.62                         | 6.29                   | 27.43                      | 100                  | 214                     | A                       | H               |
|                                           |                                                                                             | 5351.04              | 55.49               | -18.51           | 74                          | 45.08                     | 31.51                         | 6.32                   | 27.42                      | 100                  | 214                     | P                       | H               |
|                                           |                                                                                             | 5351.28              | 45.93               | -8.07            | 54                          | 35.52                     | 31.51                         | 6.32                   | 27.42                      | 100                  | 214                     | A                       | H               |
|                                           |                                                                                             | 5075.82              | 53.48               | -20.52           | 74                          | 42.75                     | 32.05                         | 6.13                   | 27.45                      | 387                  | 53                      | P                       | V               |
|                                           |                                                                                             | 5121.04              | 44.16               | -9.84            | 54                          | 33.33                     | 32.1                          | 6.18                   | 27.45                      | 387                  | 53                      | A                       | V               |
|                                           | *                                                                                           | 5270                 | 106.15              | -                | -                           | 95.67                     | 31.62                         | 6.29                   | 27.43                      | 387                  | 53                      | P                       | V               |
|                                           | *                                                                                           | 5270                 | 97.33               | -                | -                           | 86.85                     | 31.62                         | 6.29                   | 27.43                      | 387                  | 53                      | A                       | V               |
|                                           |                                                                                             | 5355.12              | 53.91               | -20.09           | 74                          | 43.48                     | 31.53                         | 6.32                   | 27.42                      | 387                  | 53                      | P                       | V               |
|                                           |                                                                                             | 5351.28              | 44.9                | -9.1             | 54                          | 34.49                     | 31.51                         | 6.32                   | 27.42                      | 387                  | 53                      | A                       | V               |
| 802.11ax<br>HE40 Full<br>CH 62<br>5310MHz |                                                                                             | 5125.12              | 52.68               | -21.32           | 74                          | 41.83                     | 32.1                          | 6.19                   | 27.44                      | 107                  | 218                     | P                       | H               |
|                                           |                                                                                             | 5116.62              | 43.4                | -10.6            | 54                          | 32.57                     | 32.1                          | 6.18                   | 27.45                      | 107                  | 218                     | A                       | H               |
|                                           | *                                                                                           | 5310                 | 101.01              | -                | -                           | 90.63                     | 31.5                          | 6.3                    | 27.42                      | 107                  | 218                     | P                       | H               |
|                                           | *                                                                                           | 5310                 | 93.17               | -                | -                           | 82.79                     | 31.5                          | 6.3                    | 27.42                      | 107                  | 218                     | A                       | H               |
|                                           |                                                                                             | 5350.32              | 63.3                | -10.7            | 74                          | 52.9                      | 31.5                          | 6.32                   | 27.42                      | 107                  | 218                     | P                       | H               |
|                                           |                                                                                             | 5350.08              | 51.9                | -2.1             | 54                          | 41.5                      | 31.5                          | 6.32                   | 27.42                      | 107                  | 218                     | A                       | H               |
|                                           |                                                                                             | 5081.26              | 52.09               | -21.91           | 74                          | 41.34                     | 32.06                         | 6.14                   | 27.45                      | 320                  | 54                      | P                       | V               |
|                                           |                                                                                             | 5111.52              | 43.38               | -10.62           | 54                          | 32.56                     | 32.1                          | 6.17                   | 27.45                      | 320                  | 54                      | A                       | V               |
|                                           | *                                                                                           | 5310                 | 103.42              | -                | -                           | 93.04                     | 31.5                          | 6.3                    | 27.42                      | 320                  | 54                      | P                       | V               |
|                                           | *                                                                                           | 5310                 | 93.54               | -                | -                           | 83.16                     | 31.5                          | 6.3                    | 27.42                      | 320                  | 54                      | A                       | V               |
|                                           |                                                                                             | 5350.32              | 61.15               | -12.85           | 74                          | 50.75                     | 31.5                          | 6.32                   | 27.42                      | 320                  | 54                      | P                       | V               |
|                                           |                                                                                             | 5350.56              | 51.32               | -2.68            | 54                          | 40.92                     | 31.5                          | 6.32                   | 27.42                      | 320                  | 54                      | 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 (Harmonic @ 3m)

| WIFI<br>Ant.<br>3+4                       | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 54<br>5270MHz |      | 10540                | 50.82               | -17.38           | 68.2                        | 57                      | 40.34                         | 9.88                   | 56.4                       | -                    | -                       | P                     | H             |
|                                           |      | 15810                | 56.01               | -17.99           | 74                          | 61.56                   | 38.58                         | 12.04                  | 56.17                      | 108                  | 345                     | P                     | H             |
|                                           |      | 15810                | 42.71               | -11.29           | 54                          | 48.26                   | 38.58                         | 12.04                  | 56.17                      | 108                  | 345                     | A                     | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      | 10540                | 53.3                | -14.9            | 68.2                        | 59.48                   | 40.34                         | 9.88                   | 56.4                       | -                    | -                       | P                     | V             |
|                                           |      | 15810                | 62.23               | -11.77           | 74                          | 67.78                   | 38.58                         | 12.04                  | 56.17                      | 110                  | 306                     | P                     | V             |
|                                           |      | 15810                | 50.9                | -3.1             | 54                          | 56.45                   | 38.58                         | 12.04                  | 56.17                      | 110                  | 306                     | A                     | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

[illegible]



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>3+4                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 58<br>5290MHz |                                                                                             | 5128.18              | 52.83               | -21.17           | 74                          | 41.98                   | 32.1                          | 6.19                   | 27.44                      | 100                  | 210                     | P                     | H             |
|                                           |                                                                                             | 5135.32              | 43.91               | -10.09           | 54                          | 33.05                   | 32.1                          | 6.2                    | 27.44                      | 100                  | 210                     | A                     | H             |
|                                           | *                                                                                           | 5290                 | 99.13               | -                | -                           | 88.72                   | 31.54                         | 6.3                    | 27.43                      | 100                  | 210                     | P                     | H             |
|                                           | *                                                                                           | 5290                 | 90.83               | -                | -                           | 80.42                   | 31.54                         | 6.3                    | 27.43                      | 100                  | 210                     | A                     | H             |
|                                           |                                                                                             | 5355.36              | 60.74               | -13.26           | 74                          | 50.31                   | 31.53                         | 6.32                   | 27.42                      | 100                  | 210                     | P                     | H             |
|                                           |                                                                                             | 5350.08              | 51.46               | -2.54            | 54                          | 41.06                   | 31.5                          | 6.32                   | 27.42                      | 100                  | 210                     | A                     | H             |
|                                           |                                                                                             | 5046.92              | 52.3                | -21.7            | 74                          | 41.66                   | 31.99                         | 6.1                    | 27.45                      | 373                  | 49                      | P                     | V             |
|                                           |                                                                                             | 5081.26              | 43.7                | -10.3            | 54                          | 32.95                   | 32.06                         | 6.14                   | 27.45                      | 373                  | 49                      | A                     | V             |
|                                           | *                                                                                           | 5290                 | 97.31               | -                | -                           | 86.9                    | 31.54                         | 6.3                    | 27.43                      | 373                  | 49                      | P                     | V             |
|                                           | *                                                                                           | 5290                 | 88.82               | -                | -                           | 78.41                   | 31.54                         | 6.3                    | 27.43                      | 373                  | 49                      | A                     | V             |
|                                           |                                                                                             | 5368.32              | 59                  | -15              | 74                          | 48.49                   | 31.61                         | 6.32                   | 27.42                      | 373                  | 49                      | P                     | V             |
|                                           |                                                                                             | 5350.08              | 50.92               | -3.08            | 54                          | 40.52                   | 31.5                          | 6.32                   | 27.42                      | 373                  | 49                      | 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 (Harmonic @ 3m)

| WIFI<br>Ant.<br>3+4                       | Note | Frequency<br><br>( MHz ) | Level<br><br>( dBμV/m ) | Margin<br><br>( dB ) | Limit<br>Line<br><br>( dBμV/m ) | Read<br>Level<br><br>(dBμV) | Antenna<br>Factor<br><br>( dB/m ) | Path<br>Loss<br><br>( dB ) | Preamp<br>Factor<br><br>( dB ) | Ant<br>Pos<br><br>( cm ) | Table<br>Pos<br><br>( deg ) | Peak<br>Avg.<br><br>(P/A) | Pol.<br><br>(H/V) |
|-------------------------------------------|------|--------------------------|-------------------------|----------------------|---------------------------------|-----------------------------|-----------------------------------|----------------------------|--------------------------------|--------------------------|-----------------------------|---------------------------|-------------------|
| 802.11ax<br>HE80 Full<br>CH 58<br>5290MHz |      | 10580                    | 45.25                   | -22.95               | 68.2                            | 51.36                       | 40.38                             | 9.91                       | 56.4                           | -                        | -                           | P                         | H                 |
|                                           |      | 15870                    | 42.69                   | -31.31               | 74                              | 48.29                       | 38.46                             | 12.03                      | 56.09                          | -                        | -                           | P                         | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             |                           | H                 |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            |                                |                          |                             | H                         |                   |
|                                           |      |                          |                         |                      |                                 |                             |                                   |                            | </                             |                          |                             |                           |                   |



## Band 3 - 5470~5725MHz

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

| WIFI<br>Ant.<br>3+4          | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 |      | 5453.2               | 55.36               | -18.64           | 74                          | 44.4                      | 32.01                         | 6.36                   | 27.41                      | 138                  | 200                     | P                       | H               |
|                              |      | 5468.88              | 58.91               | -9.29            | 68.2                        | 47.9                      | 32.04                         | 6.37                   | 27.4                       | 138                  | 200                     | P                       | H               |
|                              |      | 5457.84              | 41.99               | -12.01           | 54                          | 31.02                     | 32.02                         | 6.36                   | 27.41                      | 138                  | 200                     | A                       | H               |
|                              | *    | 5500                 | 103.35              | -                | -                           | 92.26                     | 32.1                          | 6.39                   | 27.4                       | 138                  | 200                     | P                       | H               |
|                              | *    | 5500                 | 96.31               | -                | -                           | 85.22                     | 32.1                          | 6.39                   | 27.4                       | 138                  | 200                     | A                       | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5446.48              | 53.75               | -20.25           | 74                          | 42.81                     | 31.99                         | 6.36                   | 27.41                      | 297                  | 45                      | P                       | V               |
|                              |      | 5462.48              | 53.77               | -14.43           | 68.2                        | 42.79                     | 32.02                         | 6.36                   | 27.4                       | 297                  | 45                      | P                       | V               |
|                              |      | 5455.28              | 42.05               | -11.95           | 54                          | 31.09                     | 32.01                         | 6.36                   | 27.41                      | 297                  | 45                      | A                       | V               |
|                              | *    | 5500                 | 105.74              | -                | -                           | 94.65                     | 32.1                          | 6.39                   | 27.4                       | 297                  | 45                      | P                       | V               |
|                              | *    | 5500                 | 98.38               | -                | -                           | 87.29                     | 32.1                          | 6.39                   | 27.4                       | 297                  | 45                      | A                       | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 116<br>5580MHz |      | 5380                 | 52.2                | -21.8            | 74                          | 41.61                     | 31.68                         | 6.32                   | 27.41                      | 152                  | 210                     | P                       | H               |
|                              |      | 5463.04              | 51.75               | -16.45           | 68.2                        | 40.76                     | 32.03                         | 6.36                   | 27.4                       | 152                  | 210                     | P                       | H               |
|                              |      | 5458.24              | 42.1                | -11.9            | 54                          | 31.13                     | 32.02                         | 6.36                   | 27.41                      | 152                  | 210                     | A                       | H               |
|                              | *    | 5580                 | 104.39              | -                | -                           | 93.34                     | 32.04                         | 6.43                   | 27.42                      | 152                  | 210                     | P                       | H               |
|                              | *    | 5580                 | 96.73               | -                | -                           | 85.68                     | 32.04                         | 6.43                   | 27.42                      | 152                  | 210                     | A                       | H               |
|                              |      | 5727.83              | 51.82               | -16.38           | 68.2                        | 40.37                     | 32.36                         | 6.55                   | 27.46                      | 152                  | 210                     | P                       | H               |
|                              |      | 5453.68              | 51.7                | -22.3            | 74                          | 40.74                     | 32.01                         | 6.36                   | 27.41                      | 305                  | 47                      | P                       | V               |
|                              |      | 5467.6               | 51.95               | -16.25           | 68.2                        | 40.94                     | 32.04                         | 6.37                   | 27.4                       | 305                  | 47                      | P                       | V               |
|                              |      | 5460                 | 42.2                | -11.8            | 54                          | 31.22                     | 32.02                         | 6.36                   | 27.4                       | 305                  | 47                      | A                       | V               |
|                              | *    | 5580                 | 106.48              | -                | -                           | 95.43                     | 32.04                         | 6.43                   | 27.42                      | 305                  | 47                      | P                       | V               |
|                              | *    | 5580                 | 99.33               | -                | -                           | 88.28                     | 32.04                         | 6.43                   | 27.42                      | 305                  | 47                      | A                       | V               |
|                              |      | 5738.855             | 51.62               | -16.58           | 68.2                        | 40.14                     | 32.38                         | 6.56                   | 27.46                      | 305                  | 47                      | P                       | V               |



|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   |   |
|---------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 140<br/>5700MHz</b> | *                                                                                           | 5700    | 105.55 | -      | -    | 94.17 | 32.3  | 6.53 | 27.45 | 100 | 234 | P | H |
|                                       | *                                                                                           | 5700    | 98.5   | -      | -    | 87.12 | 32.3  | 6.53 | 27.45 | 100 | 234 | A | H |
|                                       |                                                                                             | 5726.28 | 59.74  | -8.46  | 68.2 | 48.3  | 32.35 | 6.55 | 27.46 | 100 | 234 | P | H |
|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | H |
|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | H |
|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | H |
|                                       | *                                                                                           | 5700    | 106.48 | -      | -    | 95.1  | 32.3  | 6.53 | 27.45 | 311 | 54  | P | V |
|                                       | *                                                                                           | 5700    | 99.55  | -      | -    | 88.17 | 32.3  | 6.53 | 27.45 | 311 | 54  | A | V |
|                                       |                                                                                             | 5727.48 | 57.91  | -10.29 | 68.2 | 46.47 | 32.35 | 6.55 | 27.46 | 311 | 54  | 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>3+4          | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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                | 47.86               | -26.14           | 74                          | 53.21                   | 40.9                          | 10.16                  | 56.41                      | -                    | -                       | P                     | H             |
|                              |      | 16500                | 51.1                | -17.1            | 68.2                        | 54.5                    | 39.9                          | 12.31                  | 55.61                      | 100                  | 302                     | P                     | H             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                              |      | 11000                | 49.85               | -24.15           | 74                          | 55.2                    | 40.9                          | 10.16                  | 56.41                      | 100                  | 230                     | P                     | V             |
|                              |      | 11000                | 41.68               | -12.32           | 54                          | 47.03                   | 40.9                          | 10.16                  | 56.41                      | 100                  | 230                     | A                     | V             |
|                              |      | 16500                | 64.14               | -4.06            | 68.2                        | 67.54                   | 39.9                          | 12.31                  | 55.61                      | 100                  | 256                     | P                     | V             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                              |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |



| WIFI<br>Ant.<br>3+4                   | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11a<br/>CH 116<br/>5580MHz</b> |      | 11160                | 54.45               | -19.55           | 74                          | 60.37                   | 40.16                         | 10.22                  | 56.3                       | 100                  | 222                     | P                     | H             |
|                                       |      | 11160                | 40.77               | -13.23           | 54                          | 46.69                   | 40.16                         | 10.22                  | 56.3                       | 100                  | 222                     | A                     | H             |
|                                       |      | 16740                | 50.06               | -18.14           | 68.2                        | 53.27                   | 40.2                          | 12.45                  | 55.86                      | -                    | -                       | P                     | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      | 11160                | 53.24               | -20.76           | 74                          | 59.16                   | 40.16                         | 10.22                  | 56.3                       | 300                  | 26                      | P                     | V             |
|                                       |      | 11160                | 41.24               | -12.76           | 54                          | 47.16                   | 40.16                         | 10.22                  | 56.3                       | 300                  | 26                      | A                     | V             |
|                                       |      | 16740                | 64.71               | -3.49            | 68.2                        | 67.92                   | 40.2                          | 12.45                  | 55.86                      | 100                  | 92                      | P                     | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

| WIFI<br>Ant.<br>3+4                   | Note                                                                                                                                                                                                                                   | Frequency<br><br>( MHz ) | Level<br><br>( dBμV/m ) | Margin<br><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><br>(H/V) |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------|----------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|-------------------|
| <b>802.11a<br/>CH 140<br/>5700MHz</b> |                                                                                                                                                                                                                                        | 11400                    | 45.71                   | -28.29               | 74                          | 51.52                   | 40                            | 10.33                  | 56.14                      | -                    | -                       | P                     | H                 |
|                                       |                                                                                                                                                                                                                                        | 17100                    | 49.43                   | -18.77               | 68.2                        | 52.94                   | 40.1                          | 12.71                  | 56.32                      | -                    | -                       | P                     | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                       |                                                                                                                                                                                                                                        | 11400                    | 45.98                   | -28.02               | 74                          | 51.79                   | 40                            | 10.33                  | 56.14                      | -                    | -                       | P                     | V                 |
|                                       |                                                                                                                                                                                                                                        | 17100                    | 63.92                   | -4.28                | 68.2                        | 67.43                   | 40.1                          | 12.71                  | 56.32                      | 100                  | 259                     | P                     | V                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |
|                                       |                                                                                                                                                                                                                                        |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line.<br>3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   |



## Band 3 5470~5725MHz

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

| WIFI<br>Ant.<br>3+4                        | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 100<br>5500MHz |      | 5458.64              | 51.44               | -22.56           | 74                          | 40.46                     | 32.02                         | 6.36                   | 27.4                       | 100                  | 238                     | P                       | H               |
|                                            |      | 5468.24              | 54.29               | -13.91           | 68.2                        | 43.28                     | 32.04                         | 6.37                   | 27.4                       | 100                  | 238                     | P                       | H               |
|                                            |      | 5453.68              | 42.44               | -11.56           | 54                          | 31.48                     | 32.01                         | 6.36                   | 27.41                      | 100                  | 238                     | A                       | H               |
|                                            | *    | 5500                 | 104.91              | -                | -                           | 93.82                     | 32.1                          | 6.39                   | 27.4                       | 100                  | 238                     | P                       | H               |
|                                            | *    | 5500                 | 96.01               | -                | -                           | 84.92                     | 32.1                          | 6.39                   | 27.4                       | 100                  | 238                     | A                       | H               |
|                                            |      | 5441.2               | 53.48               | -20.52           | 74                          | 42.58                     | 31.96                         | 6.35                   | 27.41                      | 350                  | 50                      | P                       | V               |
|                                            |      | 5468.72              | 53.76               | -14.44           | 68.2                        | 42.75                     | 32.04                         | 6.37                   | 27.4                       | 350                  | 50                      | P                       | V               |
|                                            |      | 5457.36              | 42.31               | -11.69           | 54                          | 31.35                     | 32.01                         | 6.36                   | 27.41                      | 350                  | 50                      | A                       | V               |
|                                            | *    | 5500                 | 107.18              | -                | -                           | 96.09                     | 32.1                          | 6.39                   | 27.4                       | 350                  | 50                      | P                       | V               |
|                                            | *    | 5500                 | 96.48               | -                | -                           | 85.39                     | 32.1                          | 6.39                   | 27.4                       | 350                  | 50                      | A                       | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20 Full<br>CH 116<br>5580MHz |      | 5435.2               | 52.27               | -21.73           | 74                          | 41.39                     | 31.94                         | 6.35                   | 27.41                      | 100                  | 240                     | P                       | H               |
|                                            |      | 5464                 | 51.35               | -16.85           | 68.2                        | 40.35                     | 32.03                         | 6.37                   | 27.4                       | 100                  | 240                     | P                       | H               |
|                                            |      | 5457.52              | 42.11               | -11.89           | 54                          | 31.14                     | 32.02                         | 6.36                   | 27.41                      | 100                  | 240                     | A                       | H               |
|                                            | *    | 5580                 | 104.42              | -                | -                           | 93.37                     | 32.04                         | 6.43                   | 27.42                      | 100                  | 240                     | P                       | H               |
|                                            | *    | 5580                 | 97                  | -                | -                           | 85.95                     | 32.04                         | 6.43                   | 27.42                      | 100                  | 240                     | A                       | H               |
|                                            |      | 5727.515             | 51.63               | -16.57           | 68.2                        | 40.18                     | 32.36                         | 6.55                   | 27.46                      | 100                  | 240                     | P                       | H               |
|                                            |      | 5432.8               | 52.03               | -21.97           | 74                          | 41.16                     | 31.93                         | 6.35                   | 27.41                      | 338                  | 50                      | P                       | V               |
|                                            |      | 5463.52              | 50.77               | -17.43           | 68.2                        | 39.78                     | 32.03                         | 6.36                   | 27.4                       | 338                  | 50                      | P                       | V               |
|                                            |      | 5450.56              | 42.15               | -11.85           | 54                          | 31.2                      | 32                            | 6.36                   | 27.41                      | 338                  | 50                      | A                       | V               |
|                                            | *    | 5580                 | 106.09              | -                | -                           | 95.04                     | 32.04                         | 6.43                   | 27.42                      | 338                  | 50                      | P                       | V               |
|                                            | *    | 5580                 | 98.22               | -                | -                           | 87.17                     | 32.04                         | 6.43                   | 27.42                      | 338                  | 50                      | A                       | V               |
|                                            |      | 5747.36              | 52.1                | -16.1            | 68.2                        | 40.6                      | 32.39                         | 6.57                   | 27.46                      | 338                  | 50                      | P                       | V               |



|                                                                        |                                                                                             |        |        |       |      |       |       |      |       |     |     |   |   |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------|--------|-------|------|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11ax</b><br><b>HE20 Full</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700   | 105.37 | -     | -    | 93.99 | 32.3  | 6.53 | 27.45 | 100 | 238 | P | H |
|                                                                        | *                                                                                           | 5700   | 96.64  | -     | -    | 85.26 | 32.3  | 6.53 | 27.45 | 100 | 238 | A | H |
|                                                                        |                                                                                             | 5725   | 62.96  | -5.24 | 68.2 | 51.52 | 32.35 | 6.55 | 27.46 | 100 | 238 | P | H |
|                                                                        |                                                                                             |        |        |       |      |       |       |      |       |     |     |   | H |
|                                                                        |                                                                                             |        |        |       |      |       |       |      |       |     |     |   | H |
|                                                                        |                                                                                             |        |        |       |      |       |       |      |       |     |     |   | H |
|                                                                        | *                                                                                           | 5700   | 105.5  | -     | -    | 94.12 | 32.3  | 6.53 | 27.45 | 324 | 48  | P | V |
|                                                                        | *                                                                                           | 5700   | 97.73  | -     | -    | 86.35 | 32.3  | 6.53 | 27.45 | 324 | 48  | A | V |
|                                                                        |                                                                                             | 5725.4 | 63.21  | -4.99 | 68.2 | 51.77 | 32.35 | 6.55 | 27.46 | 324 | 48  | 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 (Harmonic @ 3m)

| WIFI<br>Ant.<br>3+4                        | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 100<br>5500MHz |      | 11000                | 47.54               | -26.46           | 74                          | 52.89                   | 40.9                          | 10.16                  | 56.41                      | -                    | -                       | P                     | H             |
|                                            |      | 16500                | 49.43               | -18.77           | 68.2                        | 52.83                   | 39.9                          | 12.31                  | 55.61                      | -                    | -                       | P                     | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      | 11000                | 54.35               | -19.65           | 74                          | 59.7                    | 40.9                          | 10.16                  | 56.41                      | 304                  | 2                       | P                     | V             |
|                                            |      | 11000                | 40.87               | -13.13           | 54                          | 46.22                   | 40.9                          | 10.16                  | 56.41                      | 304                  | 2                       | A                     | V             |
|                                            |      | 16500                | 64.99               | -3.21            | 68.2                        | 68.39                   | 39.9                          | 12.31                  | 55.61                      | 100                  | 255                     | P                     | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

[illegible]

[illegible]



## Band 3 5470~5725MHz

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

| WIFI<br>Ant.<br>3+4                        | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 102<br>5510MHz |      | 5459.92              | 58.82               | -15.18           | 74                          | 47.84                     | 32.02                         | 6.36                   | 27.4                       | 101                  | 239                     | P                       | H               |
|                                            |      | 5468.08              | 64.45               | -3.75            | 68.2                        | 53.44                     | 32.04                         | 6.37                   | 27.4                       | 101                  | 239                     | P                       | H               |
|                                            |      | 5459.68              | 46.95               | -7.05            | 54                          | 35.97                     | 32.02                         | 6.36                   | 27.4                       | 101                  | 239                     | A                       | H               |
|                                            | *    | 5510                 | 102.42              | -                | -                           | 91.33                     | 32.1                          | 6.39                   | 27.4                       | 101                  | 239                     | P                       | H               |
|                                            | *    | 5510                 | 93.56               | -                | -                           | 82.47                     | 32.1                          | 6.39                   | 27.4                       | 101                  | 239                     | A                       | H               |
|                                            |      | 5759.645             | 51.88               | -16.32           | 68.2                        | 40.35                     | 32.42                         | 6.58                   | 27.47                      | 101                  | 239                     | P                       | H               |
|                                            |      | 5459.44              | 56.95               | -17.05           | 74                          | 45.97                     | 32.02                         | 6.36                   | 27.4                       | 314                  | 51                      | P                       | V               |
|                                            |      | 5469.28              | 64.55               | -3.65            | 68.2                        | 53.54                     | 32.04                         | 6.37                   | 27.4                       | 314                  | 51                      | P                       | V               |
|                                            |      | 5459.92              | 46.86               | -7.14            | 54                          | 35.88                     | 32.02                         | 6.36                   | 27.4                       | 314                  | 51                      | A                       | V               |
|                                            | *    | 5510                 | 102.41              | -                | -                           | 91.32                     | 32.1                          | 6.39                   | 27.4                       | 314                  | 51                      | P                       | V               |
|                                            | *    | 5510                 | 94.35               | -                | -                           | 83.26                     | 32.1                          | 6.39                   | 27.4                       | 314                  | 51                      | A                       | V               |
|                                            |      | 5726.885             | 52.54               | -15.66           | 68.2                        | 41.1                      | 32.35                         | 6.55                   | 27.46                      | 314                  | 51                      | P                       | V               |
| 802.11ax<br>HE40 Full<br>CH 110<br>5550MHz |      | 5426.08              | 51.8                | -22.2            | 74                          | 40.97                     | 31.9                          | 6.34                   | 27.41                      | 105                  | 240                     | P                       | H               |
|                                            |      | 5468.32              | 52.33               | -15.87           | 68.2                        | 41.32                     | 32.04                         | 6.37                   | 27.4                       | 105                  | 240                     | P                       | H               |
|                                            |      | 5448.64              | 42.22               | -11.78           | 54                          | 31.28                     | 31.99                         | 6.36                   | 27.41                      | 105                  | 240                     | A                       | H               |
|                                            | *    | 5550                 | 102.44              | -                | -                           | 91.34                     | 32.1                          | 6.41                   | 27.41                      | 105                  | 240                     | P                       | H               |
|                                            | *    | 5550                 | 94.11               | -                | -                           | 83.01                     | 32.1                          | 6.41                   | 27.41                      | 105                  | 240                     | A                       | H               |
|                                            |      | 5745.47              | 52.78               | -15.42           | 68.2                        | 41.29                     | 32.39                         | 6.56                   | 27.46                      | 105                  | 240                     | P                       | H               |
|                                            |      | 5433.52              | 51.54               | -22.46           | 74                          | 40.67                     | 31.93                         | 6.35                   | 27.41                      | 341                  | 49                      | P                       | V               |
|                                            |      | 5463.28              | 51.6                | -16.6            | 68.2                        | 40.61                     | 32.03                         | 6.36                   | 27.4                       | 341                  | 49                      | P                       | V               |
|                                            |      | 5453.2               | 42.22               | -11.78           | 54                          | 31.26                     | 32.01                         | 6.36                   | 27.41                      | 341                  | 49                      | A                       | V               |
|                                            | *    | 5550                 | 103.08              | -                | -                           | 91.98                     | 32.1                          | 6.41                   | 27.41                      | 341                  | 49                      | P                       | V               |
|                                            | *    | 5550                 | 94.83               | -                | -                           | 83.73                     | 32.1                          | 6.41                   | 27.41                      | 341                  | 49                      | A                       | V               |
|                                            |      | 5744.525             | 52.44               | -15.76           | 68.2                        | 40.95                     | 32.39                         | 6.56                   | 27.46                      | 341                  | 49                      | P                       | V               |



|                                                                        |                                                                                             |          |        |        |      |       |       |      |       |     |     |   |   |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|------|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11ax</b><br><b>HE40 Full</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                             | 5438.9   | 50.97  | -23.03 | 74   | 40.07 | 31.96 | 6.35 | 27.41 | 106 | 237 | P | H |
|                                                                        |                                                                                             | 5461.3   | 51.42  | -16.78 | 68.2 | 40.44 | 32.02 | 6.36 | 27.4  | 106 | 237 | P | H |
|                                                                        |                                                                                             | 5457.45  | 41.9   | -12.1  | 54   | 30.94 | 32.01 | 6.36 | 27.41 | 106 | 237 | A | H |
|                                                                        | *                                                                                           | 5670     | 103.82 | -      | -    | 92.64 | 32.12 | 6.5  | 27.44 | 106 | 237 | P | H |
|                                                                        | *                                                                                           | 5670     | 94.96  | -      | -    | 83.78 | 32.12 | 6.5  | 27.44 | 106 | 237 | A | H |
|                                                                        |                                                                                             | 5728.145 | 55.37  | -12.83 | 68.2 | 43.92 | 32.36 | 6.55 | 27.46 | 106 | 237 | P | H |
|                                                                        |                                                                                             | 5350.7   | 51.41  | -22.59 | 74   | 41.01 | 31.5  | 6.32 | 27.42 | 346 | 49  | P | V |
|                                                                        |                                                                                             | 5466.2   | 50.71  | -17.49 | 68.2 | 39.71 | 32.03 | 6.37 | 27.4  | 346 | 49  | P | V |
|                                                                        |                                                                                             | 5459.55  | 41.9   | -12.1  | 54   | 30.92 | 32.02 | 6.36 | 27.4  | 346 | 49  | A | V |
|                                                                        | *                                                                                           | 5670     | 106.31 | -      | -    | 95.13 | 32.12 | 6.5  | 27.44 | 346 | 49  | P | V |
|                                                                        | *                                                                                           | 5670     | 95.96  | -      | -    | 84.78 | 32.12 | 6.5  | 27.44 | 346 | 49  | A | V |
|                                                                        |                                                                                             | 5727.515 | 56.59  | -11.61 | 68.2 | 45.14 | 32.36 | 6.55 | 27.46 | 346 | 49  | 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 HE40 Full (Harmonic @ 3m)

| WIFI<br>Ant.<br>3+4                        | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 102<br>5510MHz |      | 11020                | 47.92               | -26.08           | 74                          | 53.36                     | 40.8                          | 10.16                  | 56.4                       | -                    | -                       | P                       | H               |
|                                            |      | 16530                | 48.02               | -20.18           | 68.2                        | 51.55                     | 39.78                         | 12.33                  | 55.64                      | -                    | -                       | P                       | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      | 11020                | 46.91               | -27.09           | 74                          | 52.35                     | 40.8                          | 10.16                  | 56.4                       | -                    | -                       | P                       | V               |
|                                            |      | 16530                | 60.17               | -8.03            | 68.2                        | 63.7                      | 39.78                         | 12.33                  | 55.64                      | 108                  | 254                     | P                       | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3+4                                                    | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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</b><br><b>HE40 Full</b><br><b>CH 110</b><br><b>5550MHz</b> |      | 11100                | 53.17               | -20.83           | 74                          | 58.91                     | 40.4                          | 10.2                   | 56.34                      | 100                  | 207                     | P                       | H               |
|                                                                        |      | 11100                | 40.8                | -13.2            | 54                          | 46.54                     | 40.4                          | 10.2                   | 56.34                      | 100                  | 207                     | A                       | H               |
|                                                                        |      | 16650                | 49.07               | -19.13           | 68.2                        | 52.69                     | 39.75                         | 12.4                   | 55.77                      | -                    | -                       | P                       | H               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |      | 11100                | 54.48               | -19.52           | 74                          | 60.22                     | 40.4                          | 10.2                   | 56.34                      | 300                  | 30                      | P                       | V               |
|                                                                        |      | 11100                | 40.69               | -13.31           | 54                          | 46.43                     | 40.4                          | 10.2                   | 56.34                      | 300                  | 30                      | A                       | V               |
|                                                                        |      | 16650                | 64.56               | -3.64            | 68.2                        | 68.18                     | 39.75                         | 12.4                   | 55.77                      | 100                  | 56                      | P                       | V               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |

| WIFI<br>Ant.<br>3+4                        | Note | Frequency<br><br>( MHz ) | Level<br><br>( dBμV/m ) | Margin<br><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><br>(H/V) |
|--------------------------------------------|------|--------------------------|-------------------------|----------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|-------------------|
| 802.11ax<br>HE40 Full<br>CH 134<br>5670MHz |      | 11340                    | 47.68                   | -26.32               | 74                          | 53.61                     | 39.94                         | 10.31                  | 56.18                      | -                    | -                       | P                     | H                 |
|                                            |      | 17010                    | 49.18                   | -19.02               | 68.2                        | 52.63                     | 40.1                          | 12.61                  | 56.16                      | -                    | -                       | P                     | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | H</                   |                   |



## Band 3 5470~5725MHz

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

| WIFI<br>Ant.<br>3+4                        | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 106<br>5530MHz |                                                                                             | 5459.44              | 62.64               | -11.36           | 74                          | 51.66                     | 32.02                         | 6.36                   | 27.4                       | 100                  | 239                     | P                       | H               |
|                                            |                                                                                             | 5465.92              | 64.88               | -3.32            | 68.2                        | 53.88                     | 32.03                         | 6.37                   | 27.4                       | 100                  | 239                     | P                       | H               |
|                                            |                                                                                             | 5459.92              | 51.08               | -2.92            | 54                          | 40.1                      | 32.02                         | 6.36                   | 27.4                       | 100                  | 239                     | A                       | H               |
|                                            | *                                                                                           | 5530                 | 101.42              | -                | -                           | 90.33                     | 32.1                          | 6.4                    | 27.41                      | 100                  | 239                     | P                       | H               |
|                                            | *                                                                                           | 5530                 | 91.32               | -                | -                           | 80.23                     | 32.1                          | 6.4                    | 27.41                      | 100                  | 239                     | A                       | H               |
|                                            |                                                                                             | 5725.31              | 51.95               | -16.25           | 68.2                        | 40.51                     | 32.35                         | 6.55                   | 27.46                      | 100                  | 239                     | P                       | H               |
|                                            |                                                                                             | 5457.76              | 62.96               | -11.04           | 74                          | 51.99                     | 32.02                         | 6.36                   | 27.41                      | 314                  | 53                      | P                       | V               |
|                                            |                                                                                             | 5468.56              | 66.27               | -1.93            | 68.2                        | 55.26                     | 32.04                         | 6.37                   | 27.4                       | 314                  | 53                      | P                       | V               |
|                                            |                                                                                             | 5459.44              | 51.29               | -2.71            | 54                          | 40.31                     | 32.02                         | 6.36                   | 27.4                       | 314                  | 53                      | A                       | V               |
|                                            | *                                                                                           | 5530                 | 100.17              | -                | -                           | 89.08                     | 32.1                          | 6.4                    | 27.41                      | 314                  | 53                      | P                       | V               |
|                                            | *                                                                                           | 5530                 | 92.02               | -                | -                           | 80.93                     | 32.1                          | 6.4                    | 27.41                      | 314                  | 53                      | A                       | V               |
|                                            |                                                                                             | 5757.44              | 52.89               | -15.31           | 68.2                        | 41.38                     | 32.41                         | 6.57                   | 27.47                      | 314                  | 53                      | P                       | V               |
| 802.11ax<br>HE80 Full<br>CH 122<br>5610MHz |                                                                                             | 5458.48              | 54.15               | -19.85           | 74                          | 43.17                     | 32.02                         | 6.36                   | 27.4                       | 100                  | 241                     | P                       | H               |
|                                            |                                                                                             | 5469.28              | 53.43               | -14.77           | 68.2                        | 42.42                     | 32.04                         | 6.37                   | 27.4                       | 100                  | 241                     | P                       | H               |
|                                            |                                                                                             | 5459.68              | 43.81               | -10.19           | 54                          | 32.83                     | 32.02                         | 6.36                   | 27.4                       | 100                  | 241                     | A                       | H               |
|                                            | *                                                                                           | 5610                 | 102.16              | -                | -                           | 91.14                     | 32                            | 6.45                   | 27.43                      | 100                  | 241                     | P                       | H               |
|                                            | *                                                                                           | 5610                 | 94.03               | -                | -                           | 83.01                     | 32                            | 6.45                   | 27.43                      | 100                  | 241                     | A                       | H               |
|                                            |                                                                                             | 5725.31              | 58.61               | -9.59            | 68.2                        | 47.17                     | 32.35                         | 6.55                   | 27.46                      | 100                  | 241                     | P                       | H               |
|                                            |                                                                                             | 5458.72              | 53.05               | -20.95           | 74                          | 42.07                     | 32.02                         | 6.36                   | 27.4                       | 334                  | 51                      | P                       | V               |
|                                            |                                                                                             | 5466.88              | 54.46               | -13.74           | 68.2                        | 43.46                     | 32.03                         | 6.37                   | 27.4                       | 334                  | 51                      | P                       | V               |
|                                            |                                                                                             | 5459.2               | 44.29               | -9.71            | 54                          | 33.31                     | 32.02                         | 6.36                   | 27.4                       | 334                  | 51                      | A                       | V               |
|                                            | *                                                                                           | 5610                 | 103.33              | -                | -                           | 92.31                     | 32                            | 6.45                   | 27.43                      | 334                  | 51                      | P                       | V               |
|                                            | *                                                                                           | 5610                 | 95.02               | -                | -                           | 84                        | 32                            | 6.45                   | 27.43                      | 334                  | 51                      | A                       | V               |
|                                            |                                                                                             | 5725.625             | 57.74               | -10.46           | 68.2                        | 46.3                      | 32.35                         | 6.55                   | 27.46                      | 334                  | 51                      | 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 (Harmonic @ 3m)

| WIFI<br>Ant.<br>3+4                        | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 106<br>5530MHz |      | 11060                | 47.85               | -26.15           | 74                          | 53.44                   | 40.6                          | 10.18                  | 56.37                      | -                    | -                       | P                     | H             |
|                                            |      | 16590                | 45.21               | -22.99           | 68.2                        | 49.02                   | 39.54                         | 12.36                  | 55.71                      | -                    | -                       | P                     | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |      | 11060                | 47.42               | -26.58           | 74                          | 53.01                   | 40.6                          | 10.18                  | 56.37                      | -                    | -                       | P                     | V             |
|                                            |      | 16590                | 54.75               | -13.45           | 68.2                        | 58.56                   | 39.54                         | 12.36                  | 55.71                      | 100                  | 342                     | P                     | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

[illegible]



## Band 3 5470~5725MHz

## WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>3+4                         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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>HE160 Full<br>CH 114<br>5570MHz |                                                                                             | 5457.28              | 66.71               | -7.29            | 74                          | 55.75                   | 32.01                         | 6.36                   | 27.41                      | 105                  | 238                     | P                     | H             |
|                                             |                                                                                             | 5467.84              | 59.17               | -9.03            | 68.2                        | 48.16                   | 32.04                         | 6.37                   | 27.4                       | 105                  | 238                     | P                     | H             |
|                                             |                                                                                             | 5457.28              | 51.41               | -2.59            | 54                          | 40.45                   | 32.01                         | 6.36                   | 27.41                      | 105                  | 238                     | A                     | H             |
|                                             | *                                                                                           | 5570                 | 95.43               | -                | -                           | 84.37                   | 32.06                         | 6.42                   | 27.42                      | 105                  | 238                     | P                     | H             |
|                                             | *                                                                                           | 5570                 | 86.45               | -                | -                           | 75.39                   | 32.06                         | 6.42                   | 27.42                      | 105                  | 238                     | A                     | H             |
|                                             |                                                                                             | 5728.145             | 64.44               | -3.76            | 68.2                        | 52.99                   | 32.36                         | 6.55                   | 27.46                      | 105                  | 238                     | P                     | H             |
|                                             |                                                                                             | 5456.8               | 66.46               | -7.54            | 74                          | 55.5                    | 32.01                         | 6.36                   | 27.41                      | 339                  | 50                      | P                     | V             |
|                                             |                                                                                             | 5467.6               | 59.88               | -8.32            | 68.2                        | 48.87                   | 32.04                         | 6.37                   | 27.4                       | 339                  | 50                      | P                     | V             |
|                                             |                                                                                             | 5457.04              | 51.97               | -2.03            | 54                          | 41.01                   | 32.01                         | 6.36                   | 27.41                      | 339                  | 50                      | A                     | V             |
|                                             | *                                                                                           | 5570                 | 96.72               | -                | -                           | 85.66                   | 32.06                         | 6.42                   | 27.42                      | 339                  | 50                      | P                     | V             |
|                                             | *                                                                                           | 5570                 | 87.72               | -                | -                           | 76.66                   | 32.06                         | 6.42                   | 27.42                      | 339                  | 50                      | A                     | V             |
|                                             |                                                                                             | 5728.46              | 63.9                | -4.3             | 68.2                        | 52.45                   | 32.36                         | 6.55                   | 27.46                      | 339                  | 50                      | 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 HE160 Full (Harmonic @ 3m)

| WIFI<br>Ant.<br>3+4                         | Note                                                                                                                                    | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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>HE160 Full<br>CH 114<br>5570MHz |                                                                                                                                         | 11140                | 46.56               | -27.44           | 74                          | 52.42                     | 40.24                         | 10.21                  | 56.31                      | -                    | -                       | P                       | H               |
|                                             |                                                                                                                                         | 16710                | 44.9                | -23.3            | 68.2                        | 48.25                     | 40.05                         | 12.43                  | 55.83                      | -                    | -                       | P                       | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
| 802.11ax<br>HE160 Full<br>CH 114<br>5570MHz |                                                                                                                                         | 11140                | 45.89               | -28.11           | 74                          | 51.75                     | 40.24                         | 10.21                  | 56.31                      | -                    | -                       | P                       | V               |
|                                             |                                                                                                                                         | 16710                | 56.03               | -12.17           | 68.2                        | 59.38                     | 40.05                         | 12.43                  | 55.83                      | 100                  | 98                      | P                       | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                      | 1. No other spurious found.                                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                             | 2. All results are PASS against Peak and Average limit line.                                                                            |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |
| Remark                                      | 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                             |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 3 - Straddle Channel

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

| WIFI                         | Note                                                                                        | Frequency | Level      | Margin | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                         |                                                                                             |           |            |        | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3+4                          |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11a<br>CH 144<br>5720MHz |                                                                                             | 5426.44   | 51.67      | -22.33 | 74         | 40.83  | 31.91    | 6.34   | 27.41  | 100    | 234     | P     | H     |
|                              |                                                                                             | 5463.49   | 51.02      | -17.18 | 68.2       | 40.03  | 32.03    | 6.36   | 27.4   | 100    | 234     | P     | H     |
|                              |                                                                                             | 5453.74   | 41.99      | -12.01 | 54         | 31.03  | 32.01    | 6.36   | 27.41  | 100    | 234     | A     | H     |
|                              | *                                                                                           | 5720      | 105.66     | -      | -          | 94.24  | 32.34    | 6.54   | 27.46  | 100    | 234     | P     | H     |
|                              | *                                                                                           | 5720      | 99.02      | -      | -          | 87.6   | 32.34    | 6.54   | 27.46  | 100    | 234     | A     | H     |
|                              |                                                                                             | 5888.25   | 52.64      | -15.56 | 68.2       | 40.74  | 32.73    | 6.67   | 27.5   | 100    | 234     | P     | H     |
|                              |                                                                                             | 5456.47   | 52.02      | -21.98 | 74         | 41.06  | 32.01    | 6.36   | 27.41  | 309    | 57      | P     | V     |
|                              |                                                                                             | 5466.61   | 50.49      | -17.71 | 68.2       | 39.49  | 32.03    | 6.37   | 27.4   | 309    | 57      | P     | V     |
|                              |                                                                                             | 5457.64   | 41.98      | -12.02 | 54         | 31.01  | 32.02    | 6.36   | 27.41  | 309    | 57      | A     | V     |
|                              | *                                                                                           | 5720      | 105.86     | -      | -          | 94.44  | 32.34    | 6.54   | 27.46  | 309    | 57      | P     | V     |
|                              | *                                                                                           | 5720      | 99.78      | -      | -          | 88.36  | 32.34    | 6.54   | 27.46  | 309    | 57      | A     | V     |
|                              |                                                                                             | 5852.5    | 52.31      | -15.89 | 68.2       | 40.65  | 32.51    | 6.64   | 27.49  | 309    | 57      | P     | V     |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |

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

| WIFI<br>Ant.<br>3+4                  | Note                                                                                                                                    | Frequency<br><br>( MHz ) | Level<br><br>( dBμV/m ) | Margin<br><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><br>(H/V) |   |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------|----------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|-------------------|---|
| 802.11a<br><br>CH 144<br><br>5720MHz |                                                                                                                                         | 11440                    | 45.8                    | -28.2                | 74                          | 51.48                   | 40.08                         | 10.35                  | 56.11                      | -                    | -                       | P                     | H                 |   |
|                                      |                                                                                                                                         | 17160                    | 49.5                    | -18.7                | 68.2                        | 52.99                   | 40.16                         | 12.78                  | 56.43                      | -                    | -                       | P                     | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          | 11440                   | 47.51                | -26.49                      | 74                      | 53.19                         | 40.08                  | 10.35                      | 56.11                | -                       | -                     | P                 | V |
|                                      |                                                                                                                                         |                          | 17160                   | 64.74                | -3.46                       | 68.2                    | 68.23                         | 40.16                  | 12.78                      | 56.43                | 111                     | 267                   | P                 | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | V                 |   |
| Remark                               | 1. No other spurious found.                                                                                                             |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   |   |
|                                      | 2. All results are PASS against Peak and Average limit line.                                                                            |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   |   |
|                                      | 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   |   |



**Band 3 - Straddle Channel**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

| WIFI<br>Ant.<br>3+4                                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5459.59              | 50.98               | -23.02           | 74                          | 40                      | 32.02                         | 6.36                   | 27.4                       | 100                  | 237                     | P                     | H             |
|                                                      |                                                                                             | 5466.22              | 50.37               | -17.83           | 68.2                        | 39.37                   | 32.03                         | 6.37                   | 27.4                       | 100                  | 237                     | P                     | H             |
|                                                      |                                                                                             | 5459.2               | 41.82               | -12.18           | 54                          | 30.84                   | 32.02                         | 6.36                   | 27.4                       | 100                  | 237                     | A                     | H             |
|                                                      | *                                                                                           | 5720                 | 104.52              | -                | -                           | 93.1                    | 32.34                         | 6.54                   | 27.46                      | 100                  | 237                     | P                     | H             |
|                                                      | *                                                                                           | 5720                 | 96.98               | -                | -                           | 85.56                   | 32.34                         | 6.54                   | 27.46                      | 100                  | 237                     | A                     | H             |
|                                                      |                                                                                             | 5924.25              | 52.34               | -15.86           | 68.2                        | 40.31                   | 32.85                         | 6.69                   | 27.51                      | 100                  | 237                     | P                     | H             |
|                                                      |                                                                                             | 5395.24              | 51.1                | -22.9            | 74                          | 40.41                   | 31.77                         | 6.33                   | 27.41                      | 338                  | 51                      | P                     | V             |
|                                                      |                                                                                             | 5462.71              | 50.2                | -18              | 68.2                        | 39.21                   | 32.03                         | 6.36                   | 27.4                       | 338                  | 51                      | P                     | V             |
|                                                      |                                                                                             | 5444.38              | 41.73               | -12.27           | 54                          | 30.81                   | 31.98                         | 6.35                   | 27.41                      | 338                  | 51                      | A                     | V             |
|                                                      | *                                                                                           | 5720                 | 105.03              | -                | -                           | 93.61                   | 32.34                         | 6.54                   | 27.46                      | 338                  | 51                      | P                     | V             |
|                                                      | *                                                                                           | 5720                 | 97.61               | -                | -                           | 86.19                   | 32.34                         | 6.54                   | 27.46                      | 338                  | 51                      | A                     | V             |
|                                                      |                                                                                             | 5856.5               | 53.2                | -15              | 68.2                        | 41.5                    | 32.54                         | 6.65                   | 27.49                      | 338                  | 51                      | P                     | V             |
| <b>Remark</b>                                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



**Band 3 - Straddle Channel**  
**WIFI 802.11ax HE20 Full (Harmonic @ 3m)**

| WIFI<br>Ant.<br>3+4                        | Note                                                                                                                                                                                                                                   | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 144<br>5720MHz |                                                                                                                                                                                                                                        | 11440                | 45.89               | -28.11           | 74                          | 51.57                   | 40.08                         | 10.35                  | 56.11                      | -                    | -                       | P                     | H             |
|                                            |                                                                                                                                                                                                                                        | 17160                | 49                  | -19.2            | 68.2                        | 52.49                   | 40.16                         | 12.78                  | 56.43                      | -                    | -                       | P                     | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                                                                                                                        | 11440                | 46.34               | -27.66           | 74                          | 52.02                   | 40.08                         | 10.35                  | 56.11                      | -                    | -                       | P                     | V             |
|                                            |                                                                                                                                                                                                                                        | 17160                | 64.7                | -3.5             | 68.2                        | 68.19                   | 40.16                         | 12.78                  | 56.43                      | 100                  | 57                      | P                     | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line.<br>3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



**Band 3 - Straddle Channel**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

| WIFI<br>Ant.<br>3+4                                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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/>HE40 Full<br/>CH 142<br/>5710MHz</b> |                                                                                             | 5456.47              | 50.63               | -23.37           | 74                          | 39.67                     | 32.01                         | 6.36                   | 27.41                      | 100                  | 236                     | P                       | H               |
|                                                      |                                                                                             | 5465.44              | 49.92               | -18.28           | 68.2                        | 38.92                     | 32.03                         | 6.37                   | 27.4                       | 100                  | 236                     | P                       | H               |
|                                                      |                                                                                             | 5442.82              | 41.83               | -12.17           | 54                          | 30.92                     | 31.97                         | 6.35                   | 27.41                      | 100                  | 236                     | A                       | H               |
|                                                      | *                                                                                           | 5710                 | 104.28              | -                | -                           | 92.88                     | 32.32                         | 6.53                   | 27.45                      | 100                  | 236                     | P                       | H               |
|                                                      | *                                                                                           | 5710                 | 95.79               | -                | -                           | 84.39                     | 32.32                         | 6.53                   | 27.45                      | 100                  | 236                     | A                       | H               |
|                                                      |                                                                                             | 5936.25              | 52.25               | -15.95           | 68.2                        | 40.19                     | 32.87                         | 6.7                    | 27.51                      | 100                  | 236                     | P                       | H               |
|                                                      |                                                                                             | 5385.88              | 50.36               | -23.64           | 74                          | 39.72                     | 31.72                         | 6.33                   | 27.41                      | 327                  | 47                      | P                       | V               |
|                                                      |                                                                                             | 5467.39              | 50.59               | -17.61           | 68.2                        | 39.59                     | 32.03                         | 6.37                   | 27.4                       | 327                  | 47                      | P                       | V               |
|                                                      |                                                                                             | 5455.3               | 41.98               | -12.02           | 54                          | 31.02                     | 32.01                         | 6.36                   | 27.41                      | 327                  | 47                      | A                       | V               |
|                                                      | *                                                                                           | 5710                 | 104.09              | -                | -                           | 92.69                     | 32.32                         | 6.53                   | 27.45                      | 327                  | 47                      | P                       | V               |
|                                                      | *                                                                                           | 5710                 | 96.43               | -                | -                           | 85.03                     | 32.32                         | 6.53                   | 27.45                      | 327                  | 47                      | A                       | V               |
|                                                      |                                                                                             | 5861.25              | 52.16               | -16.04           | 68.2                        | 40.43                     | 32.57                         | 6.65                   | 27.49                      | 327                  | 47                      | P                       | V               |
| <b>Remark</b>                                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**Band 3 - Straddle Channel**  
**WIFI 802.11ax HE40 Full (Harmonic @ 3m)**

| WIFI<br>Ant.<br>3+4                        | Note                                                                                                                                                                                                                                   | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 142<br>5710MHz |                                                                                                                                                                                                                                        | 11420                | 47.39               | -26.61           | 74                          | 53.13                     | 40.04                         | 10.34                  | 56.12                      | -                    | -                       | P                       | H               |
|                                            |                                                                                                                                                                                                                                        | 17130                | 54.01               | -14.19           | 68.2                        | 57.52                     | 40.13                         | 12.74                  | 56.38                      | -                    | -                       | P                       | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        | 11420                | 46.81               | -27.19           | 74                          | 52.55                     | 40.04                         | 10.34                  | 56.12                      | -                    | -                       | P                       | V               |
|                                            |                                                                                                                                                                                                                                        | 17130                | 63.87               | -4.33            | 68.2                        | 67.38                     | 40.13                         | 12.74                  | 56.38                      | 100                  | 57                      | P                       | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line.<br>3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**Band 3 - Straddle Channel**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

| WIFI<br>Ant.<br>3+4                                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br/>CH 138<br/>5690MHz</b> |                                                                                             | 5440.48              | 52.42               | -21.58           | 74                          | 41.52                   | 31.96                         | 6.35                   | 27.41                      | 100                  | 238                     | P                     | H             |
|                                                      |                                                                                             | 5465.83              | 52.44               | -15.76           | 68.2                        | 41.44                   | 32.03                         | 6.37                   | 27.4                       | 100                  | 238                     | P                     | H             |
|                                                      |                                                                                             | 5451.4               | 42.48               | -11.52           | 54                          | 31.53                   | 32                            | 6.36                   | 27.41                      | 100                  | 238                     | A                     | H             |
|                                                      | *                                                                                           | 5690                 | 102.96              | -                | -                           | 91.65                   | 32.24                         | 6.52                   | 27.45                      | 100                  | 238                     | P                     | H             |
|                                                      | *                                                                                           | 5690                 | 93.83               | -                | -                           | 82.52                   | 32.24                         | 6.52                   | 27.45                      | 100                  | 238                     | A                     | H             |
|                                                      |                                                                                             | 5851.3               | 53.37               | -14.83           | 68.2                        | 41.71                   | 32.51                         | 6.64                   | 27.49                      | 100                  | 238                     | P                     | H             |
|                                                      |                                                                                             | 5436.58              | 51.39               | -22.61           | 74                          | 40.5                    | 31.95                         | 6.35                   | 27.41                      | 346                  | 52                      | P                     | V             |
|                                                      |                                                                                             | 5464.27              | 50.64               | -17.56           | 68.2                        | 39.64                   | 32.03                         | 6.37                   | 27.4                       | 346                  | 52                      | P                     | V             |
|                                                      |                                                                                             | 5440.87              | 42.31               | -11.69           | 54                          | 31.41                   | 31.96                         | 6.35                   | 27.41                      | 346                  | 52                      | A                     | V             |
|                                                      | *                                                                                           | 5690                 | 103.63              | -                | -                           | 92.32                   | 32.24                         | 6.52                   | 27.45                      | 346                  | 52                      | P                     | V             |
|                                                      | *                                                                                           | 5690                 | 95                  | -                | -                           | 83.69                   | 32.24                         | 6.52                   | 27.45                      | 346                  | 52                      | A                     | V             |
|                                                      |                                                                                             | 5914.6               | 52.54               | -15.66           | 68.2                        | 40.54                   | 32.83                         | 6.68                   | 27.51                      | 346                  | 52                      | P                     | V             |
| <b>Remark</b>                                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



**Band 3 - Straddle Channel**  
**WIFI 802.11ax HE80 Full (Harmonic @ 3m)**

| WIFI<br>Ant.<br>3+4                        | Note                                                                                                                                                                                                                                   | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 138<br>5690MHz |                                                                                                                                                                                                                                        | 11380                | 46.65               | -27.35           | 74                          | 52.5                      | 39.98                         | 10.32                  | 56.15                      | -                    | -                       | P                       | H               |
|                                            |                                                                                                                                                                                                                                        | 17070                | 52.02               | -16.18           | 68.2                        | 55.51                     | 40.1                          | 12.68                  | 56.27                      | -                    | -                       | P                       | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                                                                                                                        | 11380                | 47.89               | -26.11           | 74                          | 53.74                     | 39.98                         | 10.32                  | 56.15                      | -                    | -                       | P                       | V               |
|                                            |                                                                                                                                                                                                                                        | 17070                | 63.84               | -4.36            | 68.2                        | 67.33                     | 40.1                          | 12.68                  | 56.27                      | 100                  | 56                      | P                       | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line.<br>3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## Emission above 18GHz

## WIFI 802.11ax HE20 Full (SHF @ 1m)

[illegible]



## Emission below 1GHz

## WIFI 802.11ax HE20 Full (LF @ 3m)

| WIFI<br>Ant.<br>3+4         | Note                                                                                                                                                                                                                                             | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>LF |                                                                                                                                                                                                                                                  | 33.88                | 22.27               | -17.73           | 40                          | 30.95                     | 22.75                         | 0.74                   | 32.17                      | -                    | -                       | P                       | H               |
|                             |                                                                                                                                                                                                                                                  | 204.6                | 26.01               | -17.49           | 43.5                        | 41.65                     | 15.06                         | 1.37                   | 32.07                      | -                    | -                       | P                       | H               |
|                             |                                                                                                                                                                                                                                                  | 262.8                | 22.82               | -23.18           | 46                          | 33.34                     | 20.04                         | 1.5                    | 32.06                      | -                    | -                       | P                       | H               |
|                             |                                                                                                                                                                                                                                                  | 539.25               | 25.71               | -20.29           | 46                          | 31.35                     | 24.37                         | 2.1                    | 32.11                      | -                    | -                       | P                       | H               |
|                             |                                                                                                                                                                                                                                                  | 611.03               | 27.97               | -18.03           | 46                          | 32.14                     | 25.58                         | 2.19                   | 31.94                      | -                    | -                       | P                       | H               |
|                             |                                                                                                                                                                                                                                                  | 841.89               | 30.72               | -15.28           | 46                          | 30.95                     | 28.86                         | 2.57                   | 31.66                      | -                    | -                       | P                       | H               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                                                                                                                                                                                  | 30.97                | 22.26               | -17.74           | 40                          | 29.46                     | 24.24                         | 0.72                   | 32.16                      | -                    | -                       | P                       | V               |
|                             |                                                                                                                                                                                                                                                  | 142.52               | 16.76               | -26.74           | 43.5                        | 30.33                     | 17.35                         | 1.17                   | 32.09                      | -                    | -                       | P                       | V               |
|                             |                                                                                                                                                                                                                                                  | 260.86               | 19.36               | -26.64           | 46                          | 29.87                     | 20.05                         | 1.5                    | 32.06                      | -                    | -                       | P                       | V               |
|                             |                                                                                                                                                                                                                                                  | 477.17               | 25.13               | -20.87           | 46                          | 31.37                     | 23.78                         | 2.01                   | 32.03                      | -                    | -                       | P                       | V               |
|                             |                                                                                                                                                                                                                                                  | 749.74               | 30.47               | -15.53           | 46                          | 32.2                      | 27.96                         | 2.32                   | 32.01                      | -                    | -                       | P                       | V               |
|                             |                                                                                                                                                                                                                                                  | 836.07               | 30.94               | -15.06           | 46                          | 31.38                     | 28.68                         | 2.55                   | 31.67                      | -                    | -                       | P                       | V               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                                                                                                                                                                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against limit line.<br>3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 - 5725~5850MHz

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

| WIFI                         | Note | Frequency | Level      | Margin | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                         |      |           |            |        | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3+4                          |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11a<br>CH 149<br>5745MHz |      | 5645.2    | 51.69      | -16.51 | 68.2       | 40.65    | 32       | 6.48   | 27.44  | 100    | 239     | P     | H     |
|                              |      | 5692.8    | 53.08      | -46.81 | 99.89      | 41.75    | 32.26    | 6.52   | 27.45  | 100    | 239     | P     | H     |
|                              |      | 5706.8    | 55.37      | -51.74 | 107.11     | 43.98    | 32.31    | 6.53   | 27.45  | 100    | 239     | P     | H     |
|                              |      | 5723.2    | 59.02      | -59.08 | 118.1      | 47.59    | 32.35    | 6.54   | 27.46  | 100    | 239     | P     | H     |
|                              | *    | 5745      | 105.53     | -      | -          | 94.04    | 32.39    | 6.56   | 27.46  | 100    | 239     | P     | H     |
|                              | *    | 5745      | 98.4       | -      | -          | 86.91    | 32.39    | 6.56   | 27.46  | 100    | 239     | A     | H     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |      | 5631      | 51.47      | -16.73 | 68.2       | 40.43    | 32       | 6.47   | 27.43  | 304    | 49      | P     | V     |
|                              |      | 5686.2    | 52.37      | -42.65 | 95.02      | 41.09    | 32.22    | 6.51   | 27.45  | 304    | 49      | P     | V     |
|                              |      | 5717.8    | 56.26      | -53.92 | 110.18     | 44.84    | 32.34    | 6.54   | 27.46  | 304    | 49      | P     | V     |
|                              |      | 5722.8    | 64.15      | -53.03 | 117.18     | 52.72    | 32.35    | 6.54   | 27.46  | 304    | 49      | P     | V     |
|                              | *    | 5745      | 107.17     | -      | -          | 95.68    | 32.39    | 6.56   | 27.46  | 304    | 49      | P     | V     |
|                              | *    | 5745      | 99.65      | -      | -          | 88.16    | 32.39    | 6.56   | 27.46  | 304    | 49      | A     | V     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>3+4          | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 157<br>5785MHz |      | 5608.8               | 51.47               | -16.73           | 68.2                        | 40.45                     | 32                            | 6.45                   | 27.43                      | 100                  | 237                     | P                       | H               |
|                              |      | 5657.2               | 51.42               | -22.13           | 73.55                       | 40.33                     | 32.04                         | 6.49                   | 27.44                      | 100                  | 237                     | P                       | H               |
|                              |      | 5707.2               | 50.76               | -56.46           | 107.22                      | 39.37                     | 32.31                         | 6.53                   | 27.45                      | 100                  | 237                     | P                       | H               |
|                              |      | 5721                 | 50.97               | -62.11           | 113.08                      | 39.55                     | 32.34                         | 6.54                   | 27.46                      | 100                  | 237                     | P                       | H               |
|                              | *    | 5785                 | 105.19              | -                | -                           | 93.59                     | 32.47                         | 6.6                    | 27.47                      | 100                  | 237                     | P                       | H               |
|                              | *    | 5785                 | 98.33               | -                | -                           | 86.73                     | 32.47                         | 6.6                    | 27.47                      | 100                  | 237                     | A                       | H               |
|                              |      | 5852.4               | 51.35               | -65.38           | 116.73                      | 39.69                     | 32.51                         | 6.64                   | 27.49                      | 100                  | 237                     | P                       | H               |
|                              |      | 5865.2               | 52.95               | -54.99           | 107.94                      | 41.2                      | 32.59                         | 6.65                   | 27.49                      | 100                  | 237                     | P                       | H               |
|                              |      | 5917.6               | 52.8                | -20.86           | 73.66                       | 40.78                     | 32.84                         | 6.69                   | 27.51                      | 100                  | 237                     | P                       | H               |
|                              |      | 5928                 | 54.26               | -13.94           | 68.2                        | 42.22                     | 32.86                         | 6.69                   | 27.51                      | 100                  | 237                     | P                       | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5640.2               | 51.61               | -16.59           | 68.2                        | 40.58                     | 32                            | 6.47                   | 27.44                      | 318                  | 47                      | P                       | V               |
|                              |      | 5673                 | 51.75               | -33.51           | 85.26                       | 40.55                     | 32.14                         | 6.5                    | 27.44                      | 318                  | 47                      | P                       | V               |
|                              |      | 5711.2               | 51.2                | -57.14           | 108.34                      | 39.8                      | 32.32                         | 6.53                   | 27.45                      | 318                  | 47                      | P                       | V               |
|                              |      | 5720.2               | 50.99               | -60.27           | 111.26                      | 39.57                     | 32.34                         | 6.54                   | 27.46                      | 318                  | 47                      | P                       | V               |
|                              | *    | 5785                 | 106.66              | -                | -                           | 95.06                     | 32.47                         | 6.6                    | 27.47                      | 318                  | 47                      | P                       | V               |
|                              | *    | 5785                 | 99.23               | -                | -                           | 87.63                     | 32.47                         | 6.6                    | 27.47                      | 318                  | 47                      | A                       | V               |
|                              |      | 5852.6               | 52.3                | -63.97           | 116.27                      | 40.63                     | 32.52                         | 6.64                   | 27.49                      | 318                  | 47                      | P                       | V               |
|                              |      | 5859                 | 53.12               | -56.56           | 109.68                      | 41.41                     | 32.55                         | 6.65                   | 27.49                      | 318                  | 47                      | P                       | V               |
|                              |      | 5917.6               | 52.62               | -21.04           | 73.66                       | 40.6                      | 32.84                         | 6.69                   | 27.51                      | 318                  | 47                      | P                       | V               |
|                              |      | 5941.4               | 52.12               | -16.08           | 68.2                        | 40.05                     | 32.88                         | 6.7                    | 27.51                      | 318                  | 47                      | P                       | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3+4                   | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|--------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 165<br/>5825MHz</b> | *                                                            | 5825                 | 106.25              | -                | -                           | 94.6                      | 32.5                          | 6.63                   | 27.48                      | 103                  | 237                     | P                       | H               |
|                                       | *                                                            | 5825                 | 98.81               | -                | -                           | 87.16                     | 32.5                          | 6.63                   | 27.48                      | 103                  | 237                     | A                       | H               |
|                                       |                                                              | 5851.2               | 59.28               | -60.18           | 119.46                      | 47.62                     | 32.51                         | 6.64                   | 27.49                      | 103                  | 237                     | P                       | H               |
|                                       |                                                              | 5860.4               | 55.22               | -54.07           | 109.29                      | 43.5                      | 32.56                         | 6.65                   | 27.49                      | 103                  | 237                     | P                       | H               |
|                                       |                                                              | 5893                 | 52.93               | -38.91           | 91.84                       | 41                        | 32.76                         | 6.67                   | 27.5                       | 103                  | 237                     | P                       | H               |
|                                       |                                                              | 5930.6               | 52.37               | -15.83           | 68.2                        | 40.33                     | 32.86                         | 6.69                   | 27.51                      | 103                  | 237                     | P                       | H               |
|                                       |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       | *                                                            | 5825                 | 107.08              | -                | -                           | 95.43                     | 32.5                          | 6.63                   | 27.48                      | 329                  | 48                      | P                       | V               |
|                                       | *                                                            | 5825                 | 99.73               | -                | -                           | 88.08                     | 32.5                          | 6.63                   | 27.48                      | 329                  | 48                      | A                       | V               |
|                                       |                                                              | 5853.8               | 57.07               | -56.47           | 113.54                      | 45.4                      | 32.52                         | 6.64                   | 27.49                      | 329                  | 48                      | P                       | V               |
|                                       |                                                              | 5869.2               | 54.88               | -51.94           | 106.82                      | 43.11                     | 32.62                         | 6.65                   | 27.5                       | 329                  | 48                      | P                       | V               |
|                                       |                                                              | 5883.4               | 52.89               | -46.07           | 98.96                       | 41.03                     | 32.7                          | 6.66                   | 27.5                       | 329                  | 48                      | P                       | V               |
|                                       |                                                              | 5948                 | 52.02               | -16.18           | 68.2                        | 39.93                     | 32.9                          | 6.71                   | 27.52                      | 329                  | 48                      | 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 4 5725~5850MHz****WIFI 802.11a (Harmonic @ 3m)**

| WIFI<br>Ant.<br>3+4          | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 149<br>5745MHz |      | 11490                | 47.07               | -26.93           | 74                          | 52.59                     | 40.18                         | 10.38                  | 56.08                      | -                    | -                       | P                       | H               |
|                              |      | 17235                | 52.1                | -16.1            | 68.2                        | 55.61                     | 40.2                          | 12.86                  | 56.57                      | -                    | -                       | P                       | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 11490                | 52.46               | -21.54           | 74                          | 57.98                     | 40.18                         | 10.38                  | 56.08                      | 100                  | 269                     | P                       | V               |
|                              |      | 11490                | 41.31               | -12.69           | 54                          | 46.83                     | 40.18                         | 10.38                  | 56.08                      | 100                  | 269                     | A                       | V               |
|                              |      | 17235                | 64.8                | -3.4             | 68.2                        | 68.31                     | 40.2                          | 12.86                  | 56.57                      | 100                  | 273                     | P                       | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3+4          | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 157<br>5785MHz |      | 11570                | 47.68               | -26.32           | 74                          | 53.28                     | 40.06                         | 10.41                  | 56.07                      | -                    | -                       | P                       | H               |
|                              |      | 17355                | 51.77               | -16.43           | 68.2                        | 54.93                     | 40.64                         | 12.99                  | 56.79                      | -                    | -                       | P                       | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 11570                | 52.8                | -21.2            | 74                          | 58.4                      | 40.06                         | 10.41                  | 56.07                      | 100                  | 269                     | P                       | V               |
|                              |      | 11570                | 40.75               | -13.25           | 54                          | 46.35                     | 40.06                         | 10.41                  | 56.07                      | 100                  | 269                     | A                       | V               |
|                              |      | 17355                | 64.38               | -3.82            | 68.2                        | 67.54                     | 40.64                         | 12.99                  | 56.79                      | 113                  | 270                     | P                       | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |

| WIFI<br>Ant.<br>3+4                  | Note                                                                                                                                    | Frequency<br><br>( MHz ) | Level<br><br>( dBμV/m ) | Margin<br><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><br>(H/V) |   |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------|----------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|-------------------|---|
| 802.11a<br><br>CH 165<br><br>5825MHz |                                                                                                                                         | 11650                    | 47.37                   | -26.63               | 74                          | 53.19                     | 39.8                          | 10.45                  | 56.07                      | -                    | -                       | P                     | H                 |   |
|                                      |                                                                                                                                         | 17475                    | 59.71                   | -8.49                | 68.2                        | 62.3                      | 41.3                          | 13.12                  | 57.01                      | 100                  | 312                     | P                     | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |   |
|                                      |                                                                                                                                         |                          | 11650                   | 56.78                | -17.22                      | 74                        | 62.6                          | 39.8                   | 10.45                      | 56.07                | 100                     | 272                   | P                 | V |
|                                      |                                                                                                                                         |                          | 11650                   | 45.05                | -8.95                       | 54                        | 50.87                         | 39.8                   | 10.45                      | 56.07                | 100                     | 272                   | A                 | V |
|                                      |                                                                                                                                         |                          | 17475                   | 64.77                | -3.43                       | 68.2                      | 67.36                         | 41.3                   | 13.12                      | 57.01                | 100                     | 253                   | P                 | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       |                   | V |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | V                 |   |
|                                      |                                                                                                                                         |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | V                 |   |
| Remark                               | 1. No other spurious found.                                                                                                             |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       |                   |   |
|                                      | 2. All results are PASS against Peak and Average limit line.                                                                            |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       |                   |   |
|                                      | 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       |                   |   |

**Band 4 5725~5850MHz****WIFI 802.11ax HE20\_Full (Band Edge @ 3m)**

| WIFI<br>Ant.<br>3+4                                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br/>CH 149<br/>5745MHz</b> |      | 5635.4               | 51.25               | -16.95           | 68.2                        | 40.22                     | 32                            | 6.47                   | 27.44                      | 103                  | 236                     | P                       | H               |
|                                                      |      | 5683.8               | 52.13               | -41.12           | 93.25                       | 40.87                     | 32.2                          | 6.51                   | 27.45                      | 103                  | 236                     | P                       | H               |
|                                                      |      | 5719.2               | 58.52               | -52.06           | 110.58                      | 47.1                      | 32.34                         | 6.54                   | 27.46                      | 103                  | 236                     | P                       | H               |
|                                                      |      | 5724.8               | 63.48               | -58.26           | 121.74                      | 52.04                     | 32.35                         | 6.55                   | 27.46                      | 103                  | 236                     | P                       | H               |
|                                                      | *    | 5745                 | 106.43              | -                | -                           | 94.94                     | 32.39                         | 6.56                   | 27.46                      | 103                  | 236                     | P                       | H               |
|                                                      | *    | 5745                 | 96.37               | -                | -                           | 84.88                     | 32.39                         | 6.56                   | 27.46                      | 103                  | 236                     | A                       | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      | 5612.6               | 51.63               | -16.57           | 68.2                        | 40.61                     | 32                            | 6.45                   | 27.43                      | 321                  | 51                      | P                       | V               |
|                                                      |      | 5677                 | 53.08               | -35.14           | 88.22                       | 41.86                     | 32.16                         | 6.51                   | 27.45                      | 321                  | 51                      | P                       | V               |
|                                                      |      | 5720                 | 60.85               | -49.95           | 110.8                       | 49.43                     | 32.34                         | 6.54                   | 27.46                      | 321                  | 51                      | P                       | V               |
|                                                      |      | 5725                 | 64.57               | -57.63           | 122.2                       | 53.13                     | 32.35                         | 6.55                   | 27.46                      | 321                  | 51                      | P                       | V               |
|                                                      | *    | 5745                 | 105.54              | -                | -                           | 94.05                     | 32.39                         | 6.56                   | 27.46                      | 321                  | 51                      | P                       | V               |
|                                                      | *    | 5745                 | 97.41               | -                | -                           | 85.92                     | 32.39                         | 6.56                   | 27.46                      | 321                  | 51                      | A                       | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3+4                                                    | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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</b><br><b>HE20 Full</b><br><b>CH 157</b><br><b>5785MHz</b> |      | 5622.6               | 51.62               | -16.58           | 68.2                        | 40.59                     | 32                            | 6.46                   | 27.43                      | 100                  | 237                     | P                       | H               |
|                                                                        |      | 5658                 | 51.21               | -22.93           | 74.14                       | 40.11                     | 32.05                         | 6.49                   | 27.44                      | 100                  | 237                     | P                       | H               |
|                                                                        |      | 5710.8               | 50.87               | -57.36           | 108.23                      | 39.47                     | 32.32                         | 6.53                   | 27.45                      | 100                  | 237                     | P                       | H               |
|                                                                        |      | 5720.4               | 51.47               | -60.24           | 111.71                      | 40.05                     | 32.34                         | 6.54                   | 27.46                      | 100                  | 237                     | P                       | H               |
|                                                                        | *    | 5785                 | 104.4               | -                | -                           | 92.8                      | 32.47                         | 6.6                    | 27.47                      | 100                  | 237                     | P                       | H               |
|                                                                        | *    | 5785                 | 96.45               | -                | -                           | 84.85                     | 32.47                         | 6.6                    | 27.47                      | 100                  | 237                     | A                       | H               |
|                                                                        |      | 5851.4               | 51.74               | -67.27           | 119.01                      | 40.08                     | 32.51                         | 6.64                   | 27.49                      | 100                  | 237                     | P                       | H               |
|                                                                        |      | 5862.2               | 51.29               | -57.49           | 108.78                      | 39.56                     | 32.57                         | 6.65                   | 27.49                      | 100                  | 237                     | P                       | H               |
|                                                                        |      | 5897.8               | 52.22               | -36.07           | 88.29                       | 40.26                     | 32.79                         | 6.67                   | 27.5                       | 100                  | 237                     | P                       | H               |
|                                                                        |      | 5945.8               | 52.22               | -15.98           | 68.2                        | 40.15                     | 32.89                         | 6.7                    | 27.52                      | 100                  | 237                     | P                       | H               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |      | 5605.6               | 51.48               | -16.72           | 68.2                        | 40.47                     | 32                            | 6.44                   | 27.43                      | 315                  | 46                      | P                       | V               |
|                                                                        |      | 5655                 | 52.26               | -19.65           | 71.91                       | 41.18                     | 32.03                         | 6.49                   | 27.44                      | 315                  | 46                      | P                       | V               |
|                                                                        |      | 5705.6               | 52.92               | -53.85           | 106.77                      | 41.53                     | 32.31                         | 6.53                   | 27.45                      | 315                  | 46                      | P                       | V               |
|                                                                        |      | 5722.8               | 51.67               | -65.51           | 117.18                      | 40.24                     | 32.35                         | 6.54                   | 27.46                      | 315                  | 46                      | P                       | V               |
|                                                                        | *    | 5785                 | 105.48              | -                | -                           | 93.88                     | 32.47                         | 6.6                    | 27.47                      | 315                  | 46                      | P                       | V               |
|                                                                        | *    | 5785                 | 97.11               | -                | -                           | 85.51                     | 32.47                         | 6.6                    | 27.47                      | 315                  | 46                      | A                       | V               |
|                                                                        |      | 5852.8               | 51.53               | -64.29           | 115.82                      | 39.86                     | 32.52                         | 6.64                   | 27.49                      | 315                  | 46                      | P                       | V               |
|                                                                        |      | 5873.4               | 51.67               | -53.98           | 105.65                      | 39.87                     | 32.64                         | 6.66                   | 27.5                       | 315                  | 46                      | P                       | V               |
|                                                                        |      | 5887                 | 53.35               | -42.94           | 96.29                       | 41.46                     | 32.72                         | 6.67                   | 27.5                       | 315                  | 46                      | P                       | V               |
|                                                                        |      | 5934                 | 51.62               | -16.58           | 68.2                        | 39.56                     | 32.87                         | 6.7                    | 27.51                      | 315                  | 46                      | P                       | V               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3+4                                                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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</b><br><b>HE20 Full</b><br><b>CH 165</b><br><b>5825MHz</b> | *                                                                                           | 5825                 | 104.95              | -                | -                           | 93.3                      | 32.5                          | 6.63                   | 27.48                      | 107                  | 236                     | P                       | H               |
|                                                                        | *                                                                                           | 5825                 | 97.05               | -                | -                           | 85.4                      | 32.5                          | 6.63                   | 27.48                      | 107                  | 236                     | A                       | H               |
|                                                                        |                                                                                             | 5850.2               | 63.77               | -57.97           | 121.74                      | 52.12                     | 32.5                          | 6.64                   | 27.49                      | 107                  | 236                     | P                       | H               |
|                                                                        |                                                                                             | 5855                 | 58.76               | -52.04           | 110.8                       | 47.07                     | 32.53                         | 6.65                   | 27.49                      | 107                  | 236                     | P                       | H               |
|                                                                        |                                                                                             | 5905.2               | 52.49               | -30.32           | 82.81                       | 40.51                     | 32.81                         | 6.68                   | 27.51                      | 107                  | 236                     | P                       | H               |
|                                                                        |                                                                                             | 5939.2               | 52.97               | -15.23           | 68.2                        | 40.9                      | 32.88                         | 6.7                    | 27.51                      | 107                  | 236                     | P                       | H               |
|                                                                        |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                        | *                                                                                           | 5825                 | 106.07              | -                | -                           | 94.42                     | 32.5                          | 6.63                   | 27.48                      | 300                  | 48                      | P                       | V               |
|                                                                        | *                                                                                           | 5825                 | 97.36               | -                | -                           | 85.71                     | 32.5                          | 6.63                   | 27.48                      | 300                  | 48                      | A                       | V               |
|                                                                        |                                                                                             | 5850                 | 62.4                | -59.8            | 122.2                       | 50.75                     | 32.5                          | 6.64                   | 27.49                      | 300                  | 48                      | P                       | V               |
|                                                                        |                                                                                             | 5856.2               | 55.51               | -54.95           | 110.46                      | 43.81                     | 32.54                         | 6.65                   | 27.49                      | 300                  | 48                      | P                       | V               |
|                                                                        |                                                                                             | 5884.8               | 53.85               | -44.07           | 97.92                       | 41.97                     | 32.71                         | 6.67                   | 27.5                       | 300                  | 48                      | P                       | V               |
|                                                                        |                                                                                             | 5940.8               | 52.39               | -15.81           | 68.2                        | 40.32                     | 32.88                         | 6.7                    | 27.51                      | 300                  | 48                      | 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 4 5725~5850MHz

## WIFI 802.11ax HE20 Full (Harmonic @ 3m)

[illegible]

[illegible]

[illegible]



## Band 4 5725~5850MHz

## WIFI 802.11ax HE40\_Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>3+4                        | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 151<br>5755MHz |      | 5635.2               | 52.59               | -15.61           | 68.2                        | 41.56                     | 32                            | 6.47                   | 27.44                      | 107                  | 236                     | P                       | H               |
|                                            |      | 5698.8               | 57.94               | -46.38           | 104.32                      | 46.58                     | 32.29                         | 6.52                   | 27.45                      | 107                  | 236                     | P                       | H               |
|                                            |      | 5717.4               | 73.35               | -36.72           | 110.07                      | 61.94                     | 32.33                         | 6.54                   | 27.46                      | 107                  | 236                     | P                       | H               |
|                                            |      | 5720.2               | 73.06               | -38.2            | 111.26                      | 61.64                     | 32.34                         | 6.54                   | 27.46                      | 107                  | 236                     | P                       | H               |
|                                            | *    | 5755                 | 104.92              | -                | -                           | 93.41                     | 32.41                         | 6.57                   | 27.47                      | 107                  | 236                     | P                       | H               |
|                                            | *    | 5755                 | 96.23               | -                | -                           | 84.72                     | 32.41                         | 6.57                   | 27.47                      | 107                  | 236                     | A                       | H               |
|                                            |      | 5854.8               | 51.39               | -59.87           | 111.26                      | 39.7                      | 32.53                         | 6.65                   | 27.49                      | 107                  | 236                     | P                       | H               |
|                                            |      | 5863.6               | 52.21               | -56.18           | 108.39                      | 40.47                     | 32.58                         | 6.65                   | 27.49                      | 107                  | 236                     | P                       | H               |
|                                            |      | 5904.2               | 52                  | -31.55           | 83.55                       | 40.02                     | 32.81                         | 6.68                   | 27.51                      | 107                  | 236                     | P                       | H               |
|                                            |      | 5942.4               | 53.17               | -15.03           | 68.2                        | 41.11                     | 32.88                         | 6.7                    | 27.52                      | 107                  | 236                     | P                       | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      | 5609.6               | 53.13               | -15.07           | 68.2                        | 42.11                     | 32                            | 6.45                   | 27.43                      | 334                  | 52                      | P                       | V               |
|                                            |      | 5698.8               | 57.84               | -46.48           | 104.32                      | 46.48                     | 32.29                         | 6.52                   | 27.45                      | 334                  | 52                      | P                       | V               |
|                                            |      | 5719.2               | 72.32               | -38.26           | 110.58                      | 60.9                      | 32.34                         | 6.54                   | 27.46                      | 334                  | 52                      | P                       | V               |
|                                            |      | 5723.6               | 75.66               | -43.35           | 119.01                      | 64.22                     | 32.35                         | 6.55                   | 27.46                      | 334                  | 52                      | P                       | V               |
|                                            | *    | 5755                 | 105.93              | -                | -                           | 94.42                     | 32.41                         | 6.57                   | 27.47                      | 334                  | 52                      | P                       | V               |
|                                            | *    | 5755                 | 96.98               | -                | -                           | 85.47                     | 32.41                         | 6.57                   | 27.47                      | 334                  | 52                      | A                       | V               |
|                                            |      | 5854.6               | 51.28               | -60.43           | 111.71                      | 39.59                     | 32.53                         | 6.65                   | 27.49                      | 334                  | 52                      | P                       | V               |
|                                            |      | 5867.6               | 52.27               | -55              | 107.27                      | 40.51                     | 32.61                         | 6.65                   | 27.5                       | 334                  | 52                      | P                       | V               |
|                                            |      | 5903.2               | 53.16               | -31.13           | 84.29                       | 41.17                     | 32.81                         | 6.68                   | 27.5                       | 334                  | 52                      | P                       | V               |
|                                            |      | 5927.4               | 51.99               | -16.21           | 68.2                        | 39.96                     | 32.85                         | 6.69                   | 27.51                      | 334                  | 52                      | P                       | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3+4                        | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 159<br>5795MHz |                                                                                             | 5639.4               | 52.06               | -16.14           | 68.2                        | 41.03                     | 32                            | 6.47                   | 27.44                      | 100                  | 236                     | P                       | H               |
|                                            |                                                                                             | 5689.4               | 52.84               | -44.54           | 97.38                       | 41.53                     | 32.24                         | 6.52                   | 27.45                      | 100                  | 236                     | P                       | H               |
|                                            |                                                                                             | 5718.8               | 54.48               | -55.98           | 110.46                      | 43.06                     | 32.34                         | 6.54                   | 27.46                      | 100                  | 236                     | P                       | H               |
|                                            |                                                                                             | 5723                 | 53.32               | -64.32           | 117.64                      | 41.89                     | 32.35                         | 6.54                   | 27.46                      | 100                  | 236                     | P                       | H               |
|                                            | *                                                                                           | 5795                 | 104.65              | -                | -                           | 93.03                     | 32.49                         | 6.61                   | 27.48                      | 100                  | 236                     | P                       | H               |
|                                            | *                                                                                           | 5795                 | 96.33               | -                | -                           | 84.71                     | 32.49                         | 6.61                   | 27.48                      | 100                  | 236                     | A                       | H               |
|                                            |                                                                                             | 5850                 | 56.51               | -65.69           | 122.2                       | 44.86                     | 32.5                          | 6.64                   | 27.49                      | 100                  | 236                     | P                       | H               |
|                                            |                                                                                             | 5855.2               | 57.85               | -52.89           | 110.74                      | 46.16                     | 32.53                         | 6.65                   | 27.49                      | 100                  | 236                     | P                       | H               |
|                                            |                                                                                             | 5906.4               | 53.15               | -28.78           | 81.93                       | 41.17                     | 32.81                         | 6.68                   | 27.51                      | 100                  | 236                     | P                       | H               |
|                                            |                                                                                             | 5942.6               | 51.79               | -16.41           | 68.2                        | 39.72                     | 32.89                         | 6.7                    | 27.52                      | 100                  | 236                     | P                       | H               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                             | 5641.6               | 51.17               | -17.03           | 68.2                        | 40.13                     | 32                            | 6.48                   | 27.44                      | 317                  | 48                      | P                       | V               |
|                                            |                                                                                             | 5682.4               | 53.1                | -39.11           | 92.21                       | 41.85                     | 32.19                         | 6.51                   | 27.45                      | 317                  | 48                      | P                       | V               |
|                                            |                                                                                             | 5706                 | 52.68               | -54.2            | 106.88                      | 41.29                     | 32.31                         | 6.53                   | 27.45                      | 317                  | 48                      | P                       | V               |
|                                            |                                                                                             | 5721.6               | 53.04               | -61.41           | 114.45                      | 41.62                     | 32.34                         | 6.54                   | 27.46                      | 317                  | 48                      | P                       | V               |
|                                            | *                                                                                           | 5795                 | 105.84              | -                | -                           | 94.22                     | 32.49                         | 6.61                   | 27.48                      | 317                  | 48                      | P                       | V               |
|                                            | *                                                                                           | 5795                 | 97.19               | -                | -                           | 85.57                     | 32.49                         | 6.61                   | 27.48                      | 317                  | 48                      | A                       | V               |
|                                            |                                                                                             | 5851.2               | 59.18               | -60.28           | 119.46                      | 47.52                     | 32.51                         | 6.64                   | 27.49                      | 317                  | 48                      | P                       | V               |
|                                            |                                                                                             | 5862.2               | 56.26               | -52.52           | 108.78                      | 44.53                     | 32.57                         | 6.65                   | 27.49                      | 317                  | 48                      | P                       | V               |
|                                            |                                                                                             | 5886.8               | 53.23               | -43.21           | 96.44                       | 41.34                     | 32.72                         | 6.67                   | 27.5                       | 317                  | 48                      | P                       | V               |
|                                            |                                                                                             | 5929.2               | 53.1                | -15.1            | 68.2                        | 41.06                     | 32.86                         | 6.69                   | 27.51                      | 317                  | 48                      | P                       | V               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11ax HE40\_Full (Harmonic @ 3m)

| WIFI<br>Ant.<br>3+4                        | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 151<br>5755MHz |      | 11510                | 52.25               | -21.75           | 74                          | 57.76                     | 40.18                         | 10.38                  | 56.07                      | 100                  | 242                     | P                       | H               |
|                                            |      | 11510                | 42.03               | -11.97           | 54                          | 47.54                     | 40.18                         | 10.38                  | 56.07                      | 100                  | 242                     | A                       | H               |
|                                            |      | 17265                | 52.23               | -15.97           | 68.2                        | 55.77                     | 40.2                          | 12.89                  | 56.63                      | -                    | -                       | P                       | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      | 11510                | 53.99               | -20.01           | 74                          | 59.5                      | 40.18                         | 10.38                  | 56.07                      | 102                  | 271                     | P                       | V               |
|                                            |      | 11510                | 43.09               | -10.91           | 54                          | 48.6                      | 40.18                         | 10.38                  | 56.07                      | 102                  | 271                     | A                       | V               |
|                                            |      | 17265                | 64.64               | -3.56            | 68.2                        | 68.18                     | 40.2                          | 12.89                  | 56.63                      | 104                  | 268                     | P                       | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |

| WIFI<br>Ant.<br>3+4                        | Note | Frequency<br><br>( MHz ) | Level<br><br>( dBμV/m ) | Margin<br><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><br>(H/V) |
|--------------------------------------------|------|--------------------------|-------------------------|----------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|-------------------|
| 802.11ax<br>HE40 Full<br>CH 159<br>5795MHz |      | 11590                    | 53.93                   | -20.07               | 74                          | 59.56                     | 40.02                         | 10.42                  | 56.07                      | 100                  | 243                     | P                     | H                 |
|                                            |      | 11590                    | 42.84                   | -11.16               | 54                          | 48.47                     | 40.02                         | 10.42                  | 56.07                      | 100                  | 243                     | A                     | H                 |
|                                            |      | 17385                    | 53.74                   | -14.46               | 68.2                        | 56.69                     | 40.88                         | 13.02                  | 56.85                      | -                    | -                       | P                     | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      | 11590                    | 54.93                   | -19.07               | 74                          | 60.56                     | 40.02                         | 10.42                  | 56.07                      | 100                  | 273                     | P                     | V                 |
|                                            |      | 11590                    | 44.45                   | -9.55                | 54                          | 50.08                     | 40.02                         | 10.42                  | 56.07                      | 100                  | 273                     | A                     | V                 |
|                                            |      | 17385                    | 63.88                   | -4.32                | 68.2                        | 66.83                     | 40.88                         | 13.02                  | 56.85                      | 100                  | 355                     | P                     | V                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | V                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | V                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | V                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       | V                 |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         | V                     |                   |
|                                            |      |                          |                         |                      |                             |                           |                               |                        |                            |                      |                         |                       |                   |



## Band 4 5725~5850MHz

## WIFI 802.11ax HE80\_Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>3+4                        | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 Full<br>CH 155<br>5775MHz |                                                                                             | 5647                 | 55.59               | -12.61           | 68.2                        | 44.55                     | 32                            | 6.48                   | 27.44                      | 100                  | 239                     | P                       | H               |
|                                            |                                                                                             | 5699.6               | 70.98               | -33.93           | 104.91                      | 59.61                     | 32.3                          | 6.52                   | 27.45                      | 100                  | 239                     | P                       | H               |
|                                            |                                                                                             | 5711.2               | 76.46               | -31.88           | 108.34                      | 65.06                     | 32.32                         | 6.53                   | 27.45                      | 100                  | 239                     | P                       | H               |
|                                            |                                                                                             | 5720.4               | 76.61               | -35.1            | 111.71                      | 65.19                     | 32.34                         | 6.54                   | 27.46                      | 100                  | 239                     | P                       | H               |
|                                            | *                                                                                           | 5775                 | 103.72              | -                | -                           | 92.15                     | 32.45                         | 6.59                   | 27.47                      | 100                  | 239                     | P                       | H               |
|                                            | *                                                                                           | 5775                 | 94.67               | -                | -                           | 83.1                      | 32.45                         | 6.59                   | 27.47                      | 100                  | 239                     | A                       | H               |
|                                            |                                                                                             | 5853                 | 72.47               | -42.89           | 115.36                      | 60.8                      | 32.52                         | 6.64                   | 27.49                      | 100                  | 239                     | P                       | H               |
|                                            |                                                                                             | 5855.2               | 70.38               | -40.36           | 110.74                      | 58.69                     | 32.53                         | 6.65                   | 27.49                      | 100                  | 239                     | P                       | H               |
|                                            |                                                                                             | 5875.4               | 64.83               | -40.07           | 104.9                       | 53.02                     | 32.65                         | 6.66                   | 27.5                       | 100                  | 239                     | P                       | H               |
|                                            |                                                                                             | 5934.4               | 53.36               | -14.84           | 68.2                        | 41.3                      | 32.87                         | 6.7                    | 27.51                      | 100                  | 239                     | P                       | H               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                             | 5646.4               | 56.73               | -11.47           | 68.2                        | 45.69                     | 32                            | 6.48                   | 27.44                      | 317                  | 49                      | P                       | V               |
|                                            |                                                                                             | 5697.4               | 71.84               | -31.44           | 103.28                      | 60.49                     | 32.28                         | 6.52                   | 27.45                      | 317                  | 49                      | P                       | V               |
|                                            |                                                                                             | 5719.2               | 76.69               | -33.89           | 110.58                      | 65.27                     | 32.34                         | 6.54                   | 27.46                      | 317                  | 49                      | P                       | V               |
|                                            |                                                                                             | 5724.2               | 78.74               | -41.64           | 120.38                      | 67.3                      | 32.35                         | 6.55                   | 27.46                      | 317                  | 49                      | P                       | V               |
|                                            | *                                                                                           | 5775                 | 104.49              | -                | -                           | 92.92                     | 32.45                         | 6.59                   | 27.47                      | 317                  | 49                      | P                       | V               |
|                                            | *                                                                                           | 5775                 | 95.85               | -                | -                           | 84.28                     | 32.45                         | 6.59                   | 27.47                      | 317                  | 49                      | A                       | V               |
|                                            |                                                                                             | 5850.4               | 72.79               | -48.5            | 121.29                      | 61.14                     | 32.5                          | 6.64                   | 27.49                      | 317                  | 49                      | P                       | V               |
|                                            |                                                                                             | 5859                 | 71.55               | -38.13           | 109.68                      | 59.84                     | 32.55                         | 6.65                   | 27.49                      | 317                  | 49                      | P                       | V               |
|                                            |                                                                                             | 5875.6               | 63.93               | -40.82           | 104.75                      | 52.12                     | 32.65                         | 6.66                   | 27.5                       | 317                  | 49                      | P                       | V               |
|                                            |                                                                                             | 5925.6               | 53.95               | -14.25           | 68.2                        | 41.92                     | 32.85                         | 6.69                   | 27.51                      | 317                  | 49                      | P                       | V               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## Band 4 5725~5850MHz

## WIFI 802.11ax HE80\_Full (Harmonic @ 3m)

[illegible]

## Emission above 18GHz

### WIFI 802.11a (SHF @ 1m)

[illegible]

## Emission below 1GHz

### 5GHz WIFI 802.11a (LF @ 3m)

| WIFI              | Note                                                                                                                                                               | Frequency | Level      | Margin | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.              |                                                                                                                                                                    |           |            |        | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3+4               |                                                                                                                                                                    | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11a<br><br>LF |                                                                                                                                                                    | 30.97     | 22.17      | -17.83 | 40         | 29.37  | 24.24    | 0.72   | 32.16  | -      | -       | P     | H     |
|                   |                                                                                                                                                                    | 159.98    | 24.96      | -18.54 | 43.5       | 39.33  | 16.48    | 1.26   | 32.11  | -      | -       | P     | H     |
|                   |                                                                                                                                                                    | 208.48    | 26.41      | -17.09 | 43.5       | 42.07  | 15.03    | 1.38   | 32.07  | -      | -       | P     | H     |
|                   |                                                                                                                                                                    | 313.24    | 26.31      | -19.69 | 46         | 37.18  | 19.57    | 1.62   | 32.06  | -      | -       | P     | H     |
|                   |                                                                                                                                                                    | 573.2     | 26.57      | -19.43 | 46         | 30.61  | 25.86    | 2.13   | 32.03  | -      | -       | P     | H     |
|                   |                                                                                                                                                                    | 873.9     | 31.23      | -14.77 | 46         | 31.15  | 29.03    | 2.57   | 31.52  | -      | -       | P     | H     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                                                                                                                    | 33.88     | 24.61      | -15.39 | 40         | 33.29  | 22.75    | 0.74   | 32.17  | -      | -       | P     | V     |
|                   |                                                                                                                                                                    | 159.98    | 19.1       | -24.4  | 43.5       | 33.47  | 16.48    | 1.26   | 32.11  | -      | -       | P     | V     |
|                   |                                                                                                                                                                    | 265.71    | 19.04      | -26.96 | 46         | 29.69  | 19.9     | 1.51   | 32.06  | -      | -       | P     | V     |
|                   |                                                                                                                                                                    | 404.42    | 23.2       | -22.8  | 46         | 31.06  | 22.13    | 1.9    | 31.89  | -      | -       | P     | V     |
|                   |                                                                                                                                                                    | 559.62    | 26.85      | -19.15 | 46         | 30.63  | 26.18    | 2.12   | 32.08  | -      | -       | P     | V     |
|                   |                                                                                                                                                                    | 752.65    | 29.47      | -16.53 | 46         | 31.15  | 27.99    | 2.33   | 32     | -      | -       | P     | V     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | V     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | V     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | V     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | V     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | V     |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         | V     |       |
| Remark            | 1. No other spurious found.                                                                                                                                        |           |            |        |            |        |          |        |        |        |         |       |       |
|                   | 2. All results are PASS against limit line.                                                                                                                        |           |            |        |            |        |          |        |        |        |         |       |       |
|                   | 3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only. |           |            |        |            |        |          |        |        |        |         |       |       |
|                   |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       |       |



**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>Margin</b> line.                                                                                                                       |
| P/A | <b>Peak</b> or <b>Average</b>                                                                                                                            |
| H/V | <b>Horizontal</b> or <b>Vertical</b>                                                                                                                     |



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

| WIFI    | Note | Frequency | Level      | Margin | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            |        | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 4+3     |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a |      | 5133.9    | 54.26      | -19.74 | 74         | 39.75    | 33       | 10.96  | 29.45  | 100    | 117     | P       | H       |
| CH 44   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 5220MHz |      | 5150      | 42.52      | -11.48 | 54         | 28.02    | 33       | 10.96  | 29.46  | 100    | 117     | 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. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 5133.9MHz:**

1. Level(dBμV/m)  
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
 = 33.00(dB/m) + 10.96(dB) + 39.75(dBμV) – 29.45 (dB)  
 = 54.26 (dBμV/m)
2. Margin(dB)  
 = Level(dBμV/m) – Limit Line(dBμV/m)  
 = 54.26(dBμV/m) – 74(dBμV/m)  
 = -19.74(dB)

**For Average Limit @ 5150MHz:**

1. Level(dBμV/m)  
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
 = 33.00(dB/m) + 10.96(dB) + 28.02(dBμV) – 29.46 (dB)  
 = 42.52 (dBμV/m)
2. Margin(dB)  
 = Level(dBμV/m) – Limit Line(dBμV/m)  
 = 42.52(dBμV/m) – 54(dBμV/m)  
 = -11.48(dB)

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



## Appendix D. Radiated Spurious Emission Plots

|                 |                                     |                     |         |
|-----------------|-------------------------------------|---------------------|---------|
| Test Engineer : | Jacky Hong, Rain Lee and Mancy Chou | Temperature :       | 20~26°C |
|                 |                                     | Relative Humidity : | 40~65%  |

### Note symbol

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



&lt;Open 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                                                                                                          |                                                                                                                               |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |

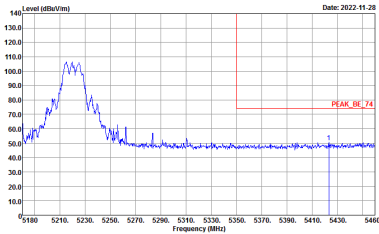
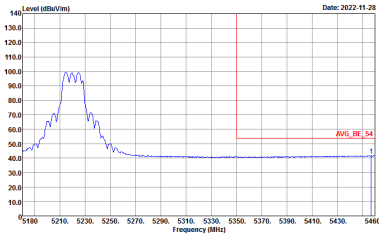


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                          |                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                        |                                                                                                                             |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                            |                                                                                                                               |
|------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                      |                                                                                                                               |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |

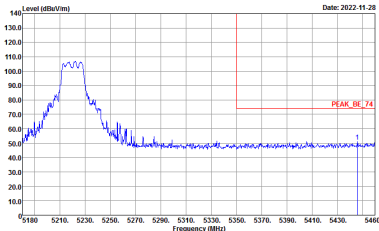
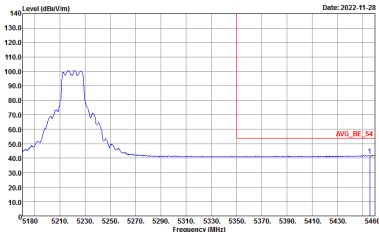


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                          |             |
| 3+4  | 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</p> | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>   | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                          |                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                    |                                                                                                                             |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |

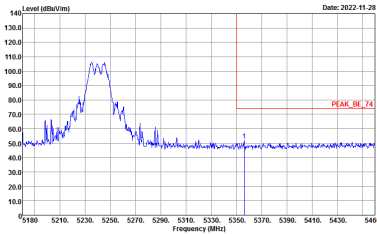
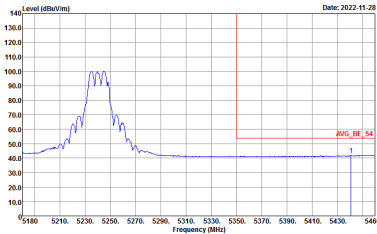


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                |             |
| 3+4  | Vertical                                                                                                                                                                                                                | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p></div>    | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                            |                                                                                                                               |
|------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                      |                                                                                                                               |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000kHz VBW:1000kHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000kHz VBW:1000kHz SWT:Auto</p>         |

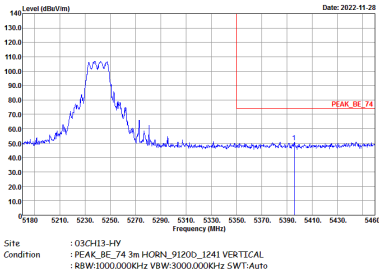
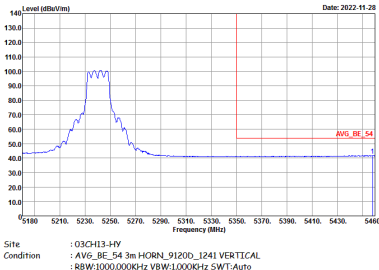


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                          |             |
| 3+4  | 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</p> | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | Left blank  |



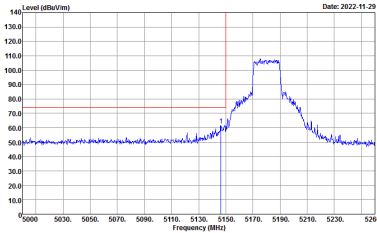
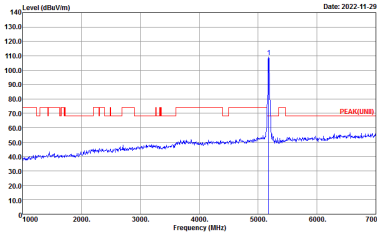
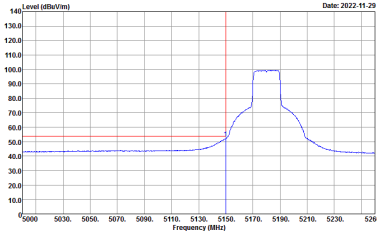
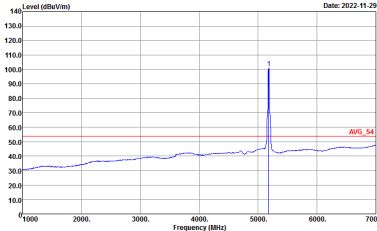
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                          |                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                    |                                                                                                                             |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                        |             |
| 3+4  | 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</p> | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | Left blank  |



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

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                    |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH36 5180MHz                                                                                                                                                                                   |                                                                                                                                                                                                                    |
| 3+4  | 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</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>       |

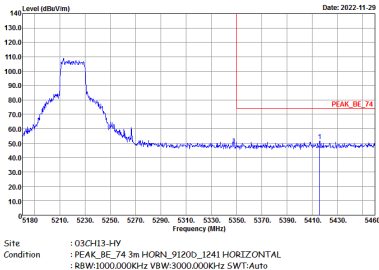
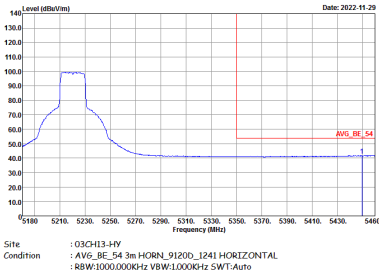


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                          |                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH36 5180MHz                                                                                             |                                                                                                                             |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                            |                                                                                                                               |
|------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH44 5220MHz - L                                                                                           |                                                                                                                               |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |

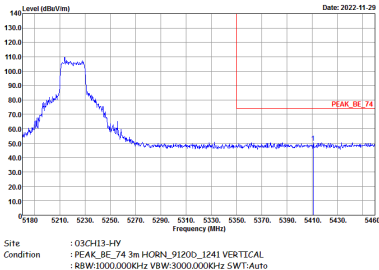
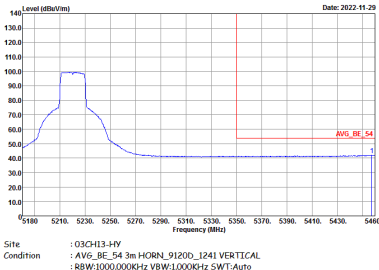


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH44 5220MHz - R                                                                                                                                                                               |             |
| 3+4  | 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</p> | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                          |                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH44 5220MHz - L                                                                                         |                                                                                                                             |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |

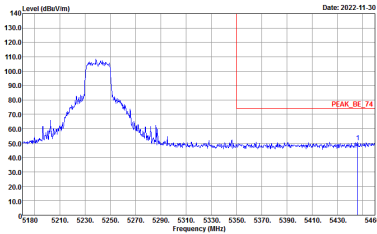
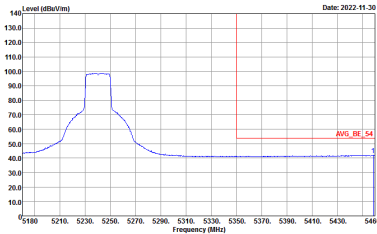


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH44 5220MHz - R                                                                                                                                                                             |             |
| 3+4  | 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</p> | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>: RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>   | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                            |                                                                                                                               |
|------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH48 5240MHz - L                                                                                           |                                                                                                                               |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |

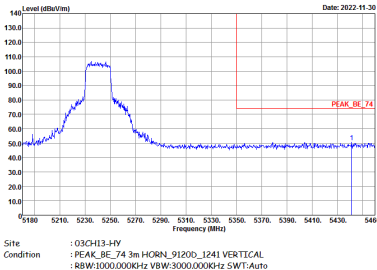
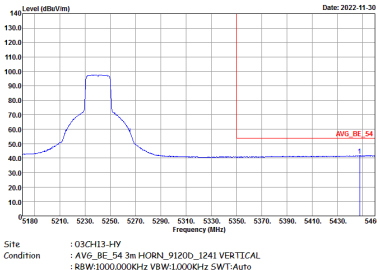


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                        |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH48 5240MHz - R                                                                                                                                                                                       |             |
| 3+4  | 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</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:1000KHz SWT:Auto</p></div>    | Left blank  |



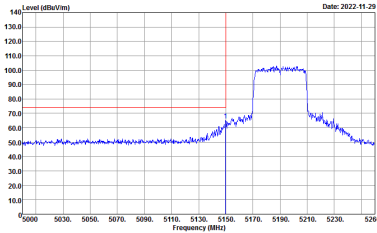
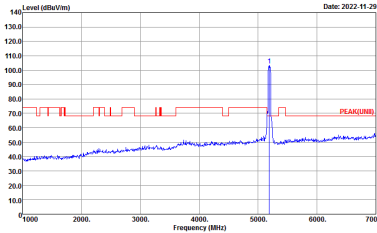
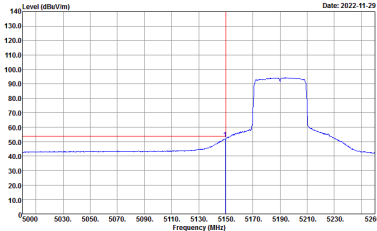
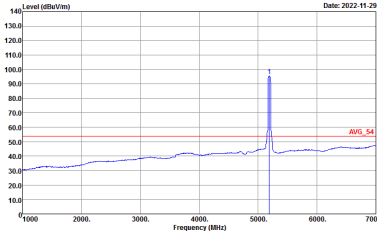
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                          |                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH48 5240MHz - L                                                                                         |                                                                                                                             |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |



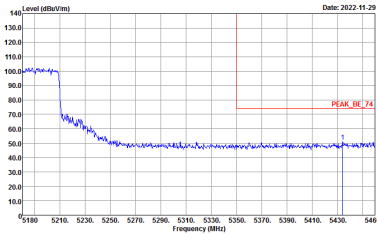
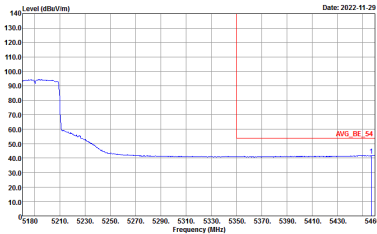
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                            |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH48 5240MHz - R                                                                                                                                                                           |             |
| 3+4  | 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</p> | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | Left blank  |



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

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                    |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH38 5190MHz - L                                                                                                                                                                               |                                                                                                                                                                                                                    |
| 3+4  | 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</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>   |  <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>      |

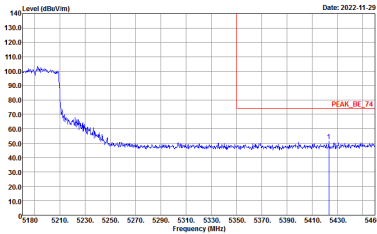
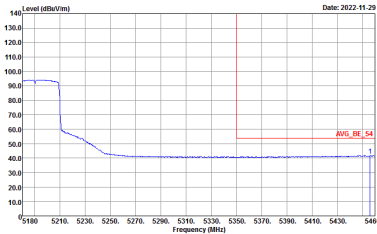


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH38 5190MHz - R                                                                                                                                                                             |             |
| 3+4  | 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</p> | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | Left blank  |

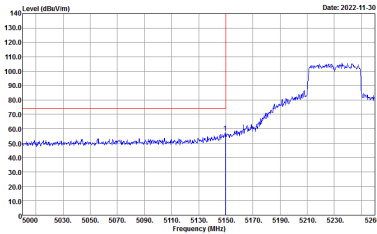
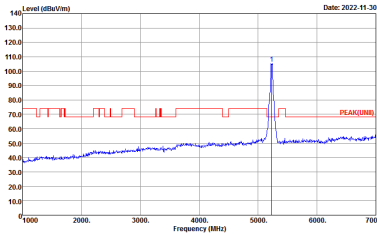
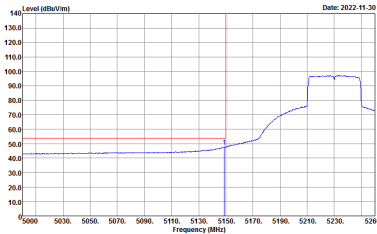
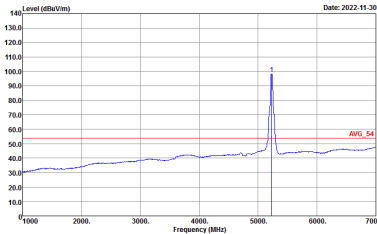


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                          |                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH38 5190MHz - L                                                                                         |                                                                                                                             |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |

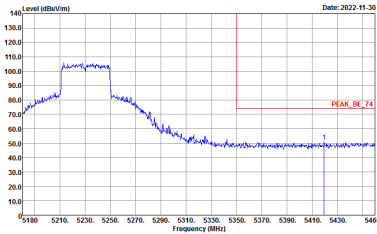
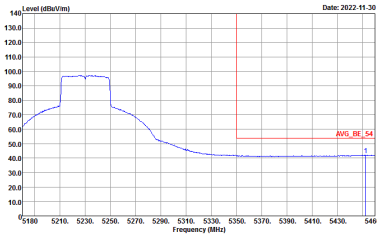


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH38 5190MHz - R                                                                                                                                                                                     |             |
| 3+4  | Vertical                                                                                                                                                                                                                | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p></div>    | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                              |                                                                                                                                                                                                                  |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH46 5230MHz - L                                                                                                                                                                             |                                                                                                                                                                                                                  |
| 3+4  | 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</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000kHz VBW:1000kHz SWT:Auto</p>    |  <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000kHz VBW:1000kHz SWT:Auto</p>       |

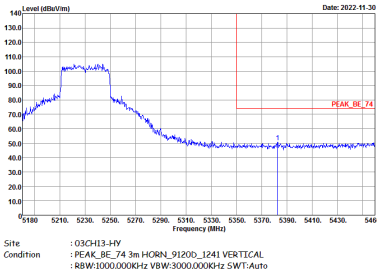
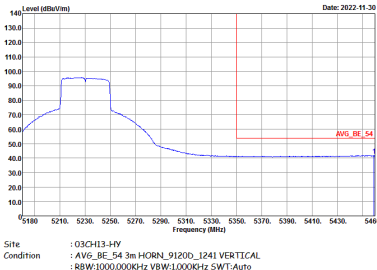


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH46 5230MHz - R                                                                                                                                                                               |             |
| 3+4  | 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</p> | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | Left blank  |



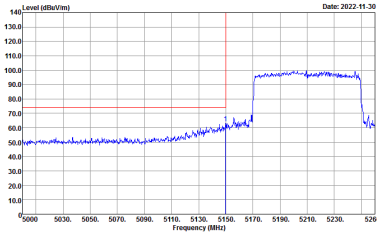
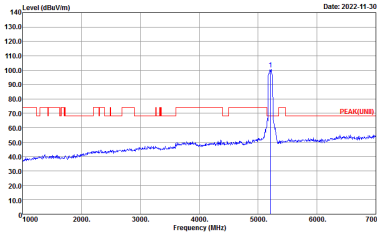
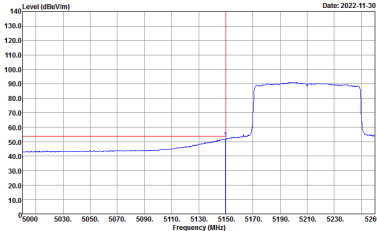
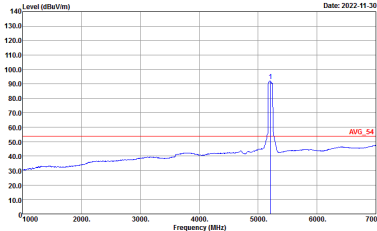
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                          |                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH46 5230MHz - L                                                                                         |                                                                                                                             |
| 3+4  | 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</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>         |



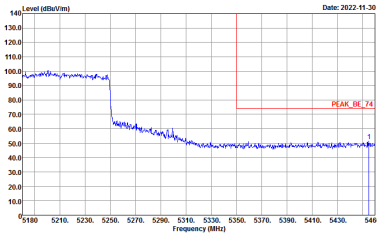
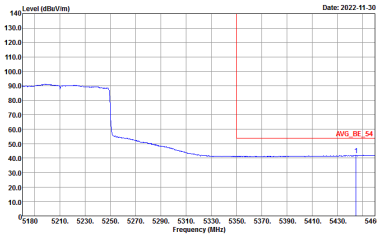
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                  |             |
|------|-------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH46 5230MHz - R                                                 |             |
| 3+4  | Vertical                                                                            | Fundamental |
| Peak |    | Left blank  |
| Avg. |  | Left blank  |



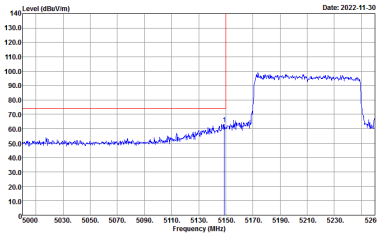
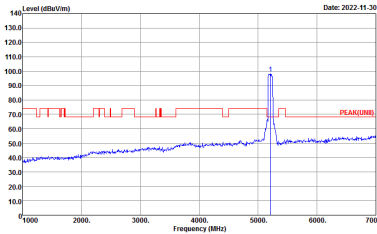
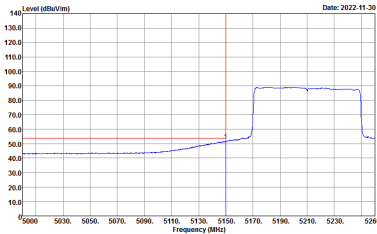
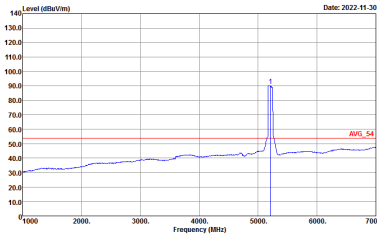
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                    |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE80 Full CH42 5210MHz - L                                                                                                                                                                               |                                                                                                                                                                                                                    |
| 3+4  | 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</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>       |

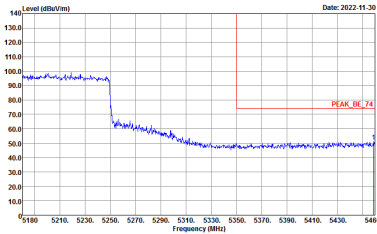
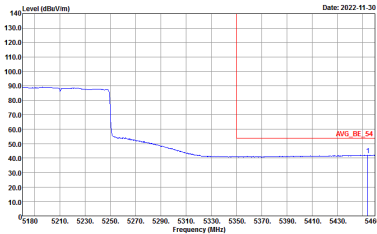


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                        |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 Full CH42 5210MHz - R                                                                                                                                                                                       |             |
| 3+4  | 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</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:1000KHz SWT:Auto</p></div>    | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                                |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE80 Full CH42 5210MHz - L                                                                                                                                                                           |                                                                                                                                                                                                                |
| 3+4  | 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</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>       |

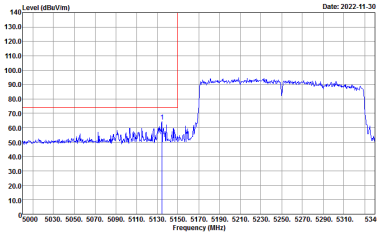
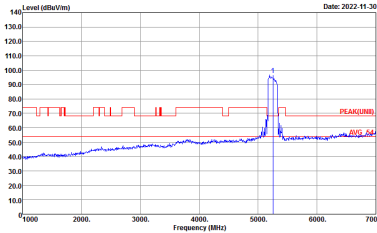
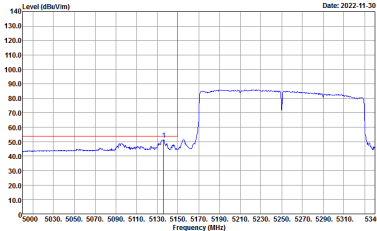
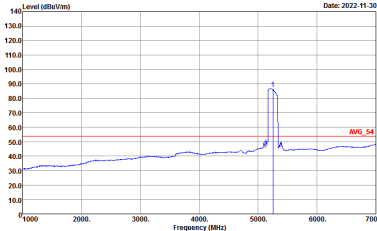


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                            |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 Full CH42 5210MHz - R                                                                                                                                                                           |             |
| 3+4  | 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</p> | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | Left blank  |

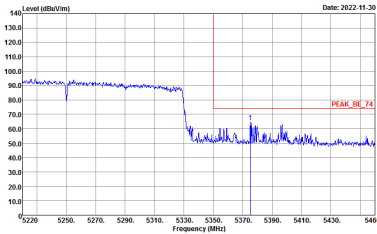
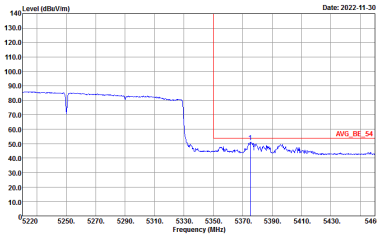


## Band 1 5150~5250MHz

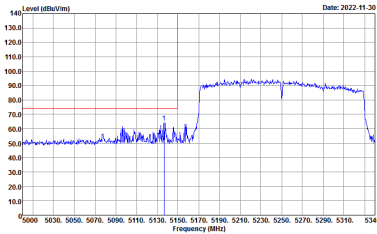
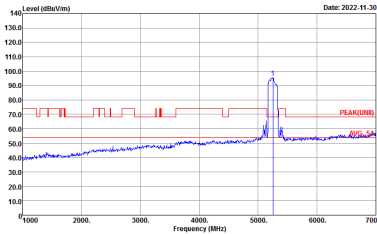
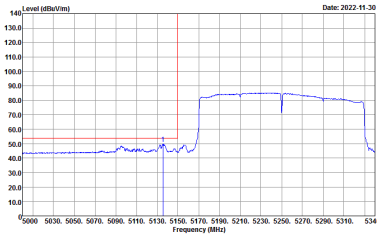
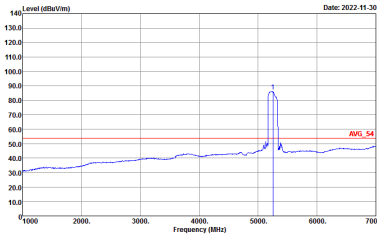
## WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE160 Full CH50 5250MHz - L                                                                                                                                                                               |                                                                                                                                                                                                                    |
| 3+4  | 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</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</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</p> |  <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>   |

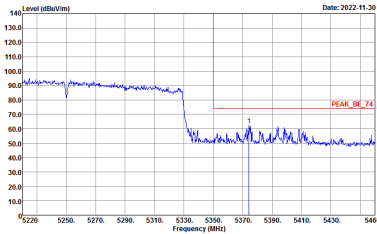
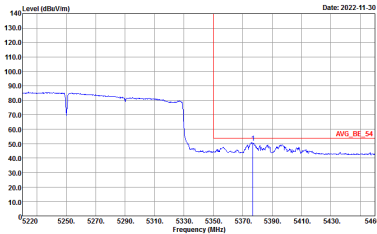


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE160 Full CH50 5250MHz - R                                                                                                                                                                             |             |
| 3+4  | 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</p>  | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |



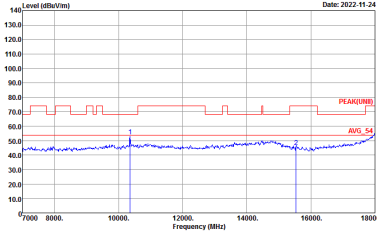
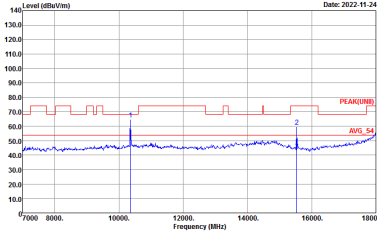
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                             |                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE160 Full CH50 5250MHz - L                                                                                                                                                                           |                                                                                                                                                                                                                |
| 3+4  | 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</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</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</p> |  <p>Site : 03CH13-HY<br/>Condition : AVG_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>   |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE160 Full CH50 5250MHz - R                                                                                                                                                                           |             |
| 3+4  | 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</p>  | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |



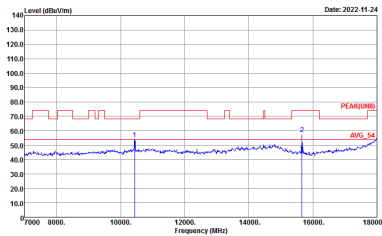
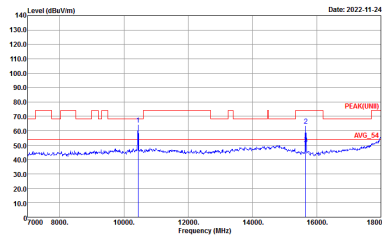
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                       |                                                                                                                                                                        |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH36 5180MHz                                                                                                                                                    |                                                                                                                                                                        |
| 3+4          | Horizontal                                                                                                                                                              | Vertical                                                                                                                                                               |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UWB) 3m HORN_91200_1241 HORIZONTAL<br/>:</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UWB) 3m HORN_91200_1241 VERTICAL<br/>:</p> |



| WIFI                     | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                      | 802.11a CH36 5180MHz                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3+4                      | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                                                                                                                                                                                                                           |
| 14.47G<br>~14.5G<br>Avg. | <p>Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line indicates the average level (AVG_54) at approximately 55 dBuV/m. The x-axis ranges from 14470 to 14500 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 HORIZONTAL<br/>:</p> | <p>Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line indicates the average level (AVG_54) at approximately 55 dBuV/m. The x-axis ranges from 14470 to 14500 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 VERTICAL<br/>:</p> |
|                          | <p>Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line indicates the average level (AVG_54) at approximately 55 dBuV/m. The x-axis ranges from 17700 to 18000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 HORIZONTAL<br/>:</p>  | <p>Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line indicates the average level (AVG_54) at approximately 55 dBuV/m. The x-axis ranges from 17700 to 18000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 VERTICAL<br/>:</p>  |

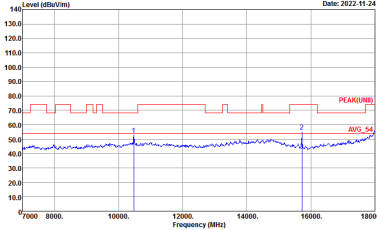
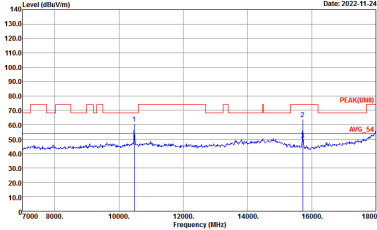


|              |                                                                                                                                                                                     |                                                                                                                                                                                    |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                   |                                                                                                                                                                                    |
| ANT          | 802.11a CH44 5220MHz                                                                                                                                                                |                                                                                                                                                                                    |
| 3+4          | Horizontal                                                                                                                                                                          | Vertical                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>:-</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>:-</p></div> |



| WIFI                     | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                      | 802.11a CH44 5220MHz                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                    |
| 3+4                      | Horizontal                                                                                                                                                                                                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                                                                                                                                                                           |
| 14.47G<br>~14.5G<br>Avg. | <p>Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line labeled 'AVG_54' is positioned at approximately 55 dBuV/m. The x-axis ranges from 14470 to 14500 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 HORIZONTAL</p> | <p>Vertical plot for 14.47G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line labeled 'AVG_54' is positioned at approximately 55 dBuV/m. The x-axis ranges from 14470 to 14500 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 VERTICAL</p> |
|                          | <p>Horizontal plot for 17.7G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line labeled 'AVG_54' is positioned at approximately 55 dBuV/m. The x-axis ranges from 17700 to 18000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 HORIZONTAL</p>                    | <p>Vertical plot for 17.7G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line labeled 'AVG_54' is positioned at approximately 55 dBuV/m. The x-axis ranges from 17700 to 18000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 VERTICAL</p>  |



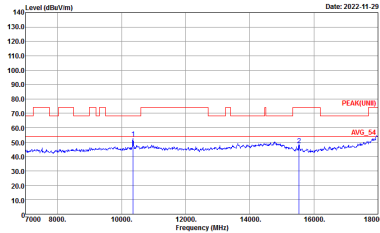
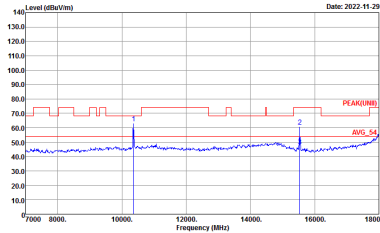
|              |                                                                                                                                                                                     |                                                                                                                                                                                    |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                   |                                                                                                                                                                                    |
| ANT          | 802.11a CH48 5240MHz                                                                                                                                                                |                                                                                                                                                                                    |
| 3+4          | Horizontal                                                                                                                                                                          | Vertical                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>:-</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>:-</p></div> |



| WIFI                     | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                      | 802.11a CH48 5240MHz                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                              |
| 3+4                      | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                     | Vertical                                                                                                                                                                                                                                                                                                                                                                                                     |
| 14.47G<br>~14.5G<br>Avg. | <p>Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line indicates the average level (AVG_54) at approximately 55 dBuV/m. The x-axis ranges from 14470 to 14500 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 HORIZONTAL</p> | <p>Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line indicates the average level (AVG_54) at approximately 55 dBuV/m. The x-axis ranges from 14470 to 14500 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 VERTICAL</p> |
|                          | <p>Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line indicates the average level (AVG_54) at approximately 55 dBuV/m. The x-axis ranges from 17700 to 18000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 HORIZONTAL</p>  | <p>Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. A red line indicates the average level (AVG_54) at approximately 55 dBuV/m. The x-axis ranges from 17700 to 18000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 VERTICAL</p>  |



Band 1 5150~5250MHz  
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                        |                                                                                                                                                                         |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ax HE20 Full CH36 5180MHz                                                                                                                                          |                                                                                                                                                                         |
| 3+4          | Horizontal                                                                                                                                                               | Vertical                                                                                                                                                                |
| Peak<br>Avg. |  <p>Site : 03CH13-4Y<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>:</p> |  <p>Site : 03CH13-4Y<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>:</p> |



| WIFI                     | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                      | 802.11ax HE20 Full CH36 5180MHz                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                             |
| 3+4                      | Horizontal                                                                                                                                                                                                                                                                    | Vertical                                                                                                                                                                                                                                                                    |
| 14.47G<br>~14.5G<br>Avg. | <p>Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 14470 to 14500 MHz. The average level is marked as AVG_54.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 HORIZONTAL</p> | <p>Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 14470 to 14500 MHz. The average level is marked as AVG_54.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 VERTICAL</p> |
|                          | <p>Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 17700 to 18000 MHz. The average level is marked as AVG_54.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 HORIZONTAL</p>  | <p>Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 17700 to 18000 MHz. The average level is marked as AVG_54.</p> <p>Site : 03CH13-HY<br/>Condition : AV6_54 3m HORN_91200_1241 VERTICAL</p>  |