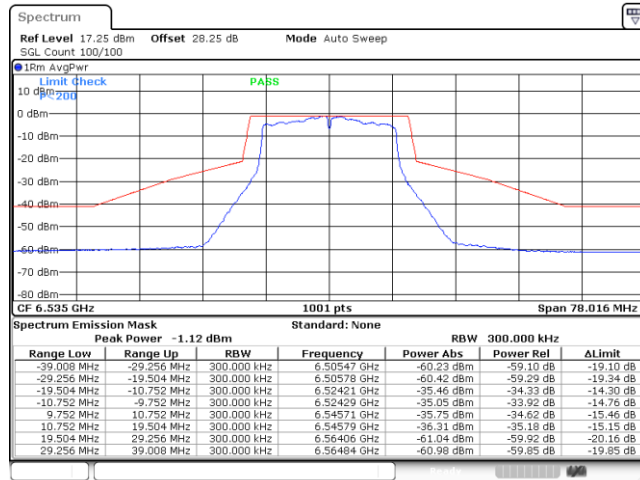


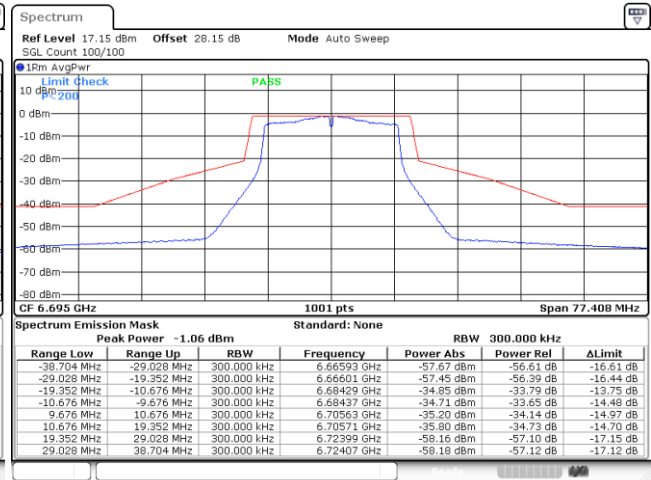


## Plot on Channel 6535 MHz



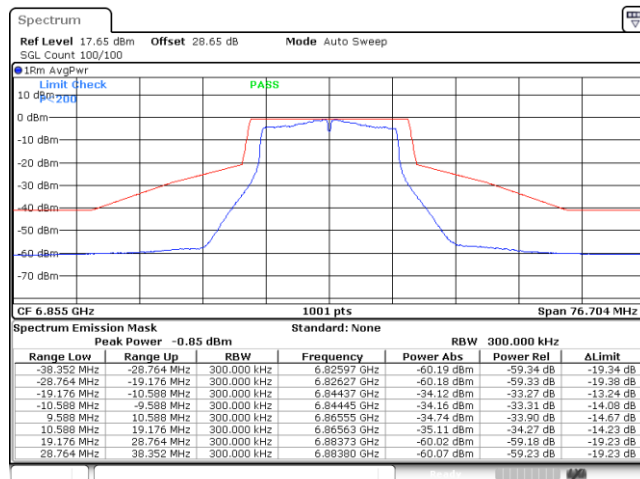
Date: 26.JAN.2024 13:19:01

## Plot on Channel 6695 MHz



Date: 26.JAN.2024 13:22:48

## Plot on Channel 6855 MHz



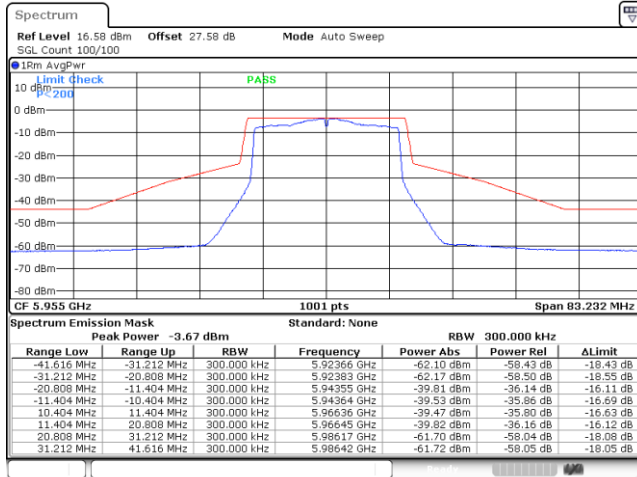
Date: 26.JAN.2024 13:26:41



EUT Mode

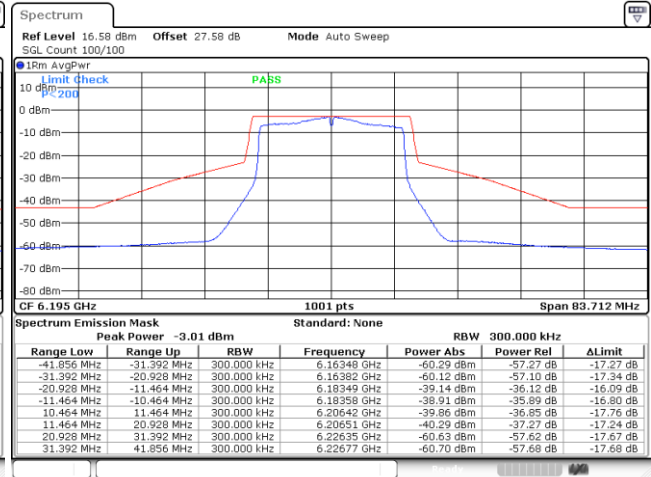
802.11ax HE20 Full RU

## Plot on Channel 5955 MHz



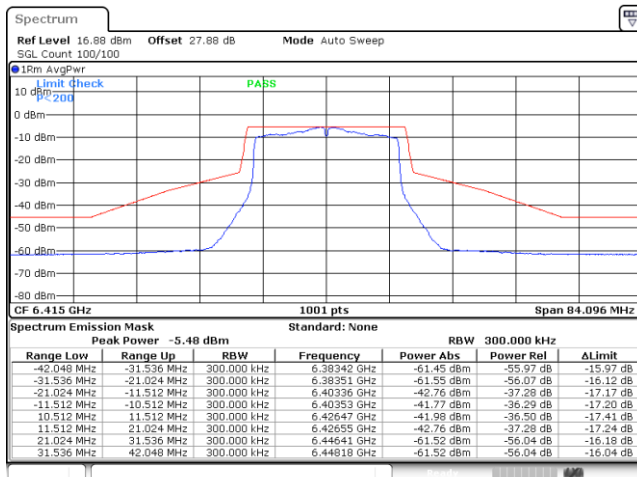
Date: 2.JAN.2024 09:00:35

## Plot on Channel 6195 MHz



Date: 2.JAN.2024 09:07:12

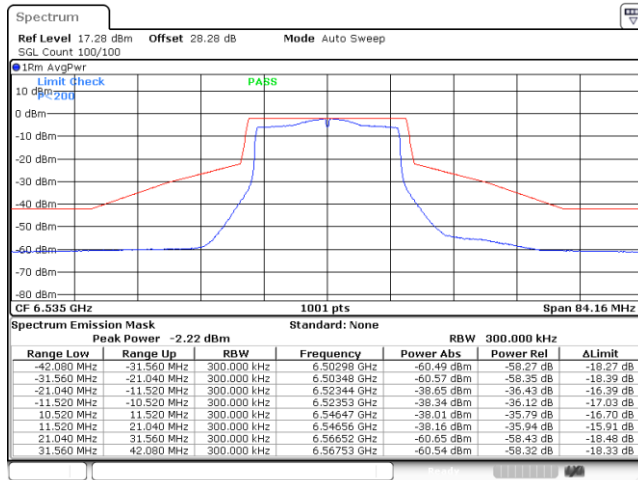
## Plot on Channel 6415 MHz



Date: 2.JAN.2024 09:11:35

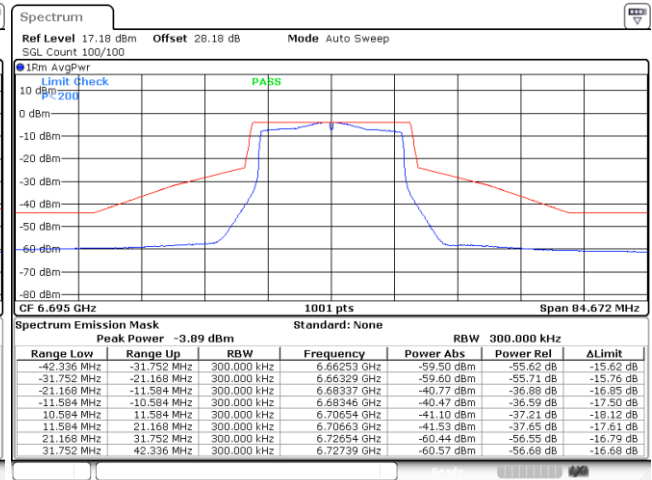


Plot on Channel 6535 MHz



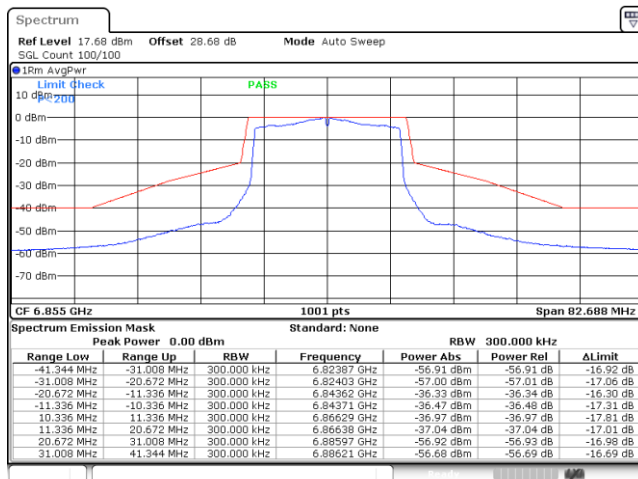
Date: 2.JAN.2024 09:47:41

Plot on Channel 6695 MHz



Date: 2.JAN.2024 09:51:51

Plot on Channel 6855 MHz

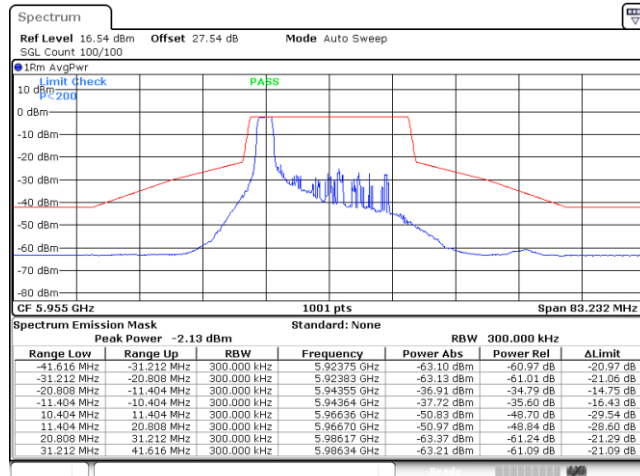


Date: 11.JAN.2024 15:35:00



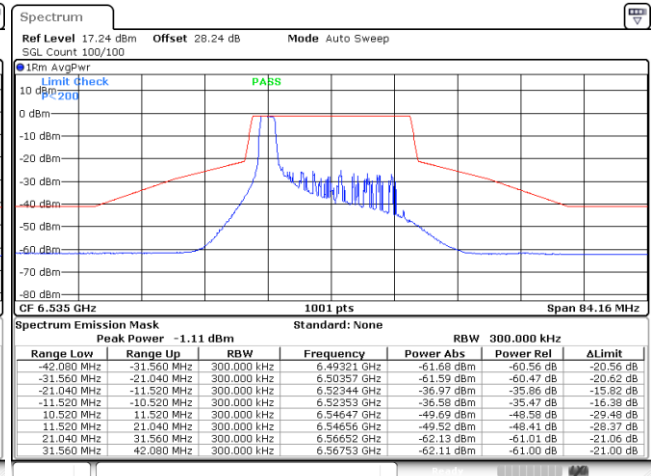
EUT Mode 802.11ax HE20 26RU0

Plot on Channel 5955 MHz



Date: 11.JAN.2024 13:50:25

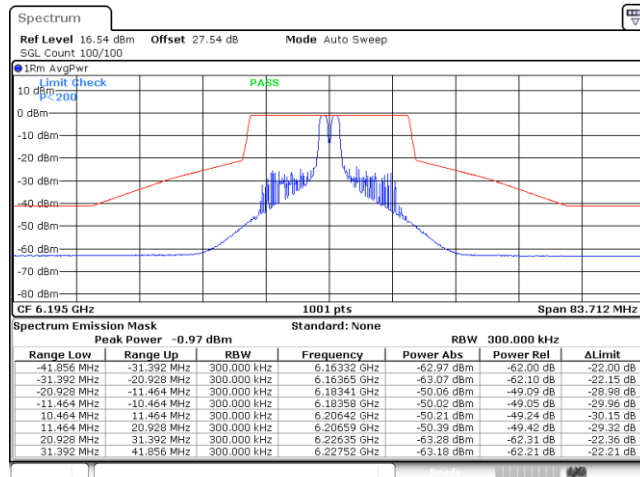
Plot on Channel 6535 MHz



Date: 11.JAN.2024 15:04:24

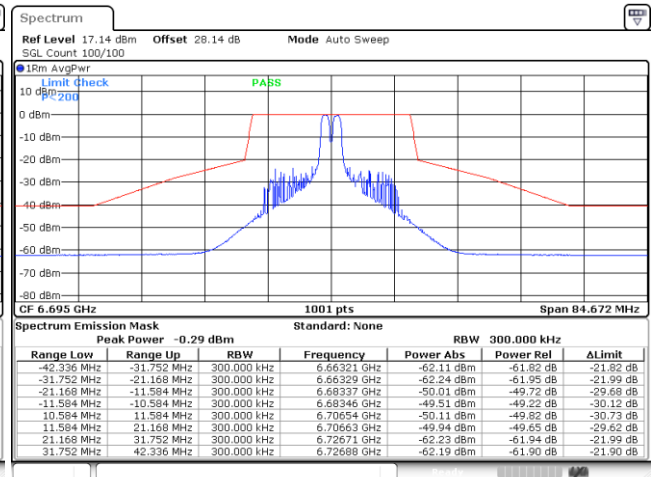
EUT Mode 802.11ax HE20 26RU4

Plot on Channel 6195 MHz



Date: 11.JAN.2024 13:58:34

Plot on Channel 6695 MHz

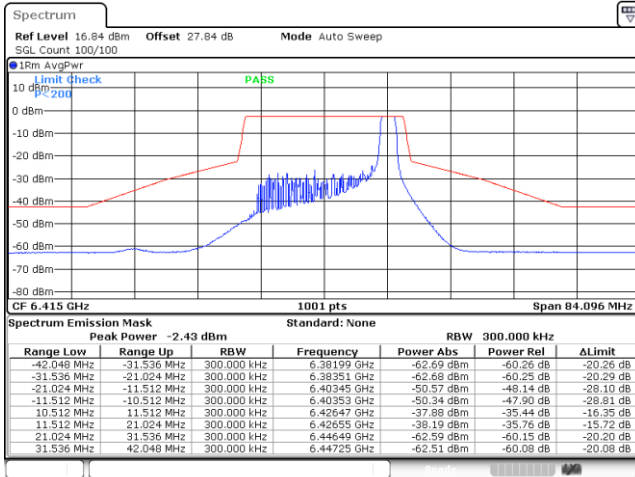


Date: 11.JAN.2024 15:18:42



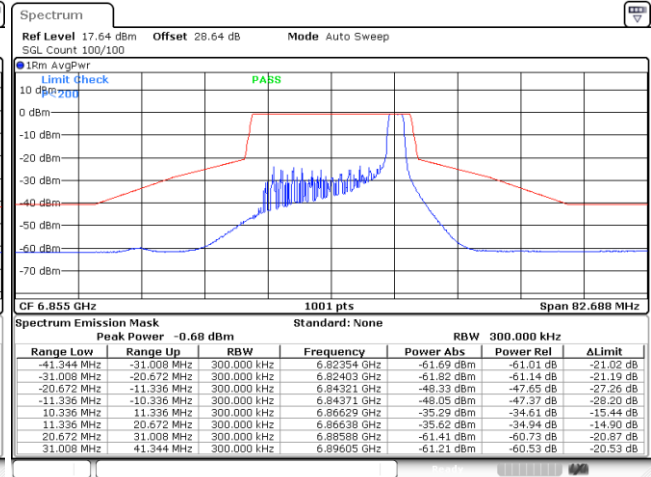
EUT Mode 802.11ax HE20 26RU8

Plot on Channel 6415 MHz



Date: 11.JAN.2024 14:09:23

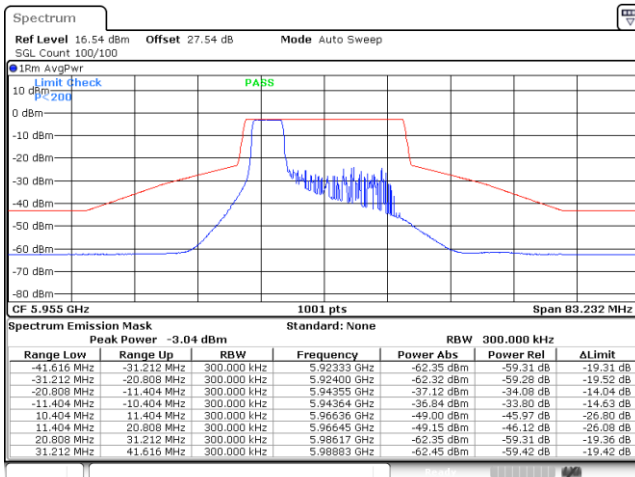
Plot on Channel 6855 MHz



Date: 11.JAN.2024 15:25:25

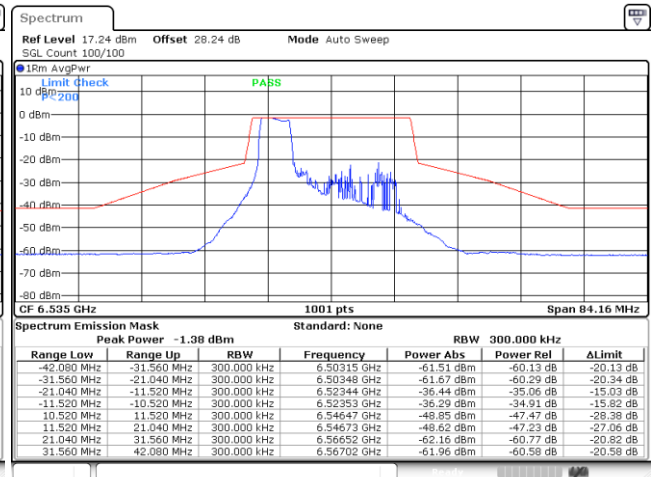
EUT Mode 802.11ax HE20 52RU37

Plot on Channel 5955 MHz



Date: 11.JAN.2024 13:52:12

Plot on Channel 6535 MHz

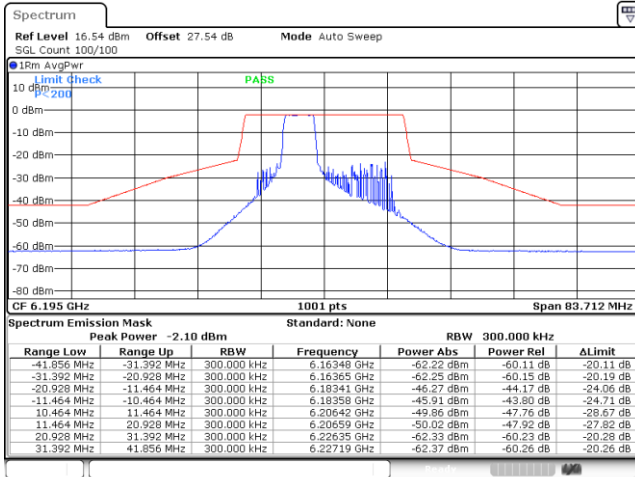


Date: 11.JAN.2024 15:05:34



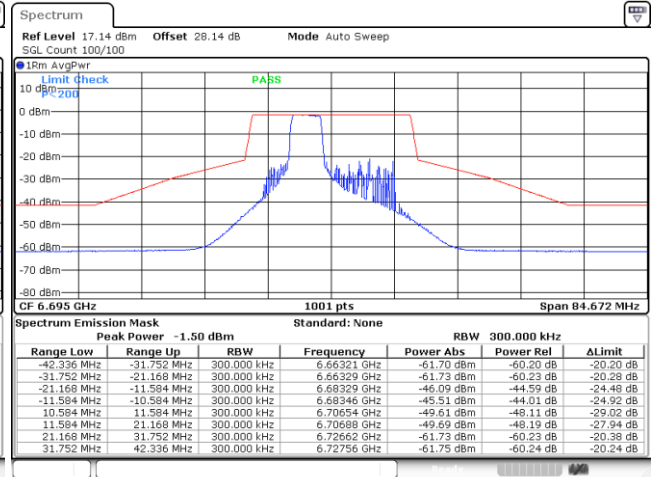
EUT Mode 802.11ax HE20 52RU38

Plot on Channel 6195 MHz



Date: 11.JAN.2024 14:00:00

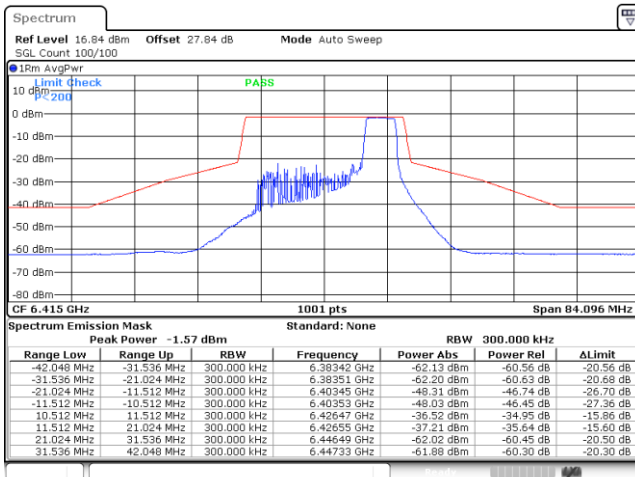
Plot on Channel 6695 MHz



Date: 11.JAN.2024 15:19:51

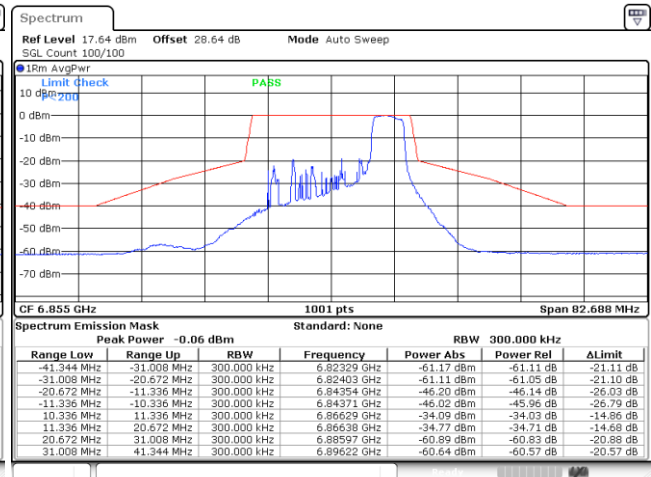
EUT Mode 802.11ax HE20 52RU40

Plot on Channel 6415 MHz



Date: 11.JAN.2024 14:14:44

Plot on Channel 6855 MHz



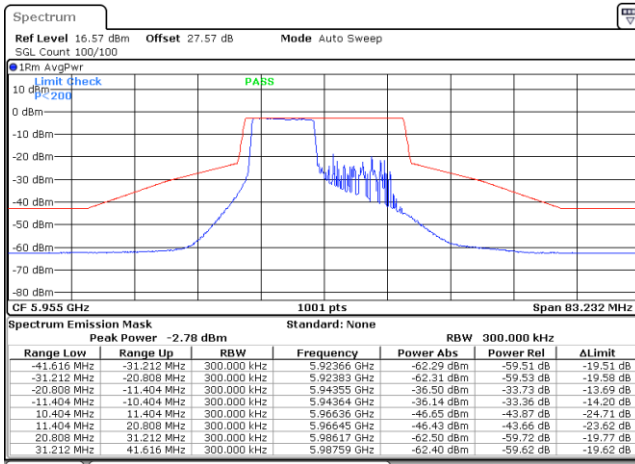
Date: 11.JAN.2024 15:28:30



EUT Mode

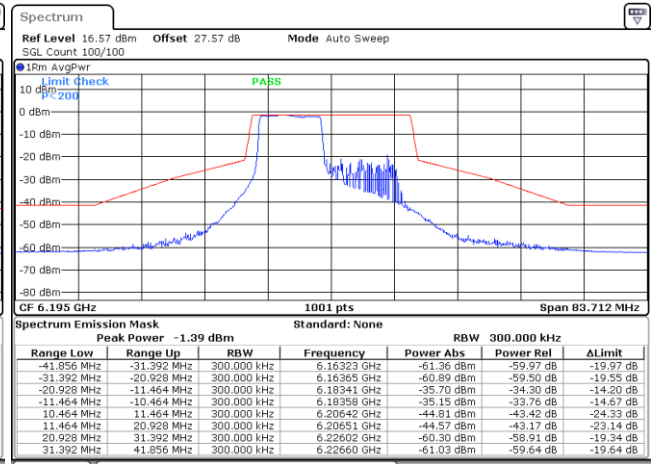
802.11ax HE20 106RU53

Plot on Channel 5955 MHz



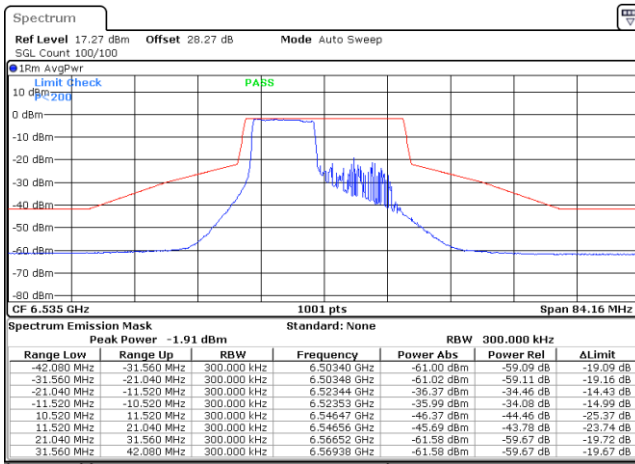
Date: 11.JAN.2024 13:56:04

Plot on Channel 6195 MHz



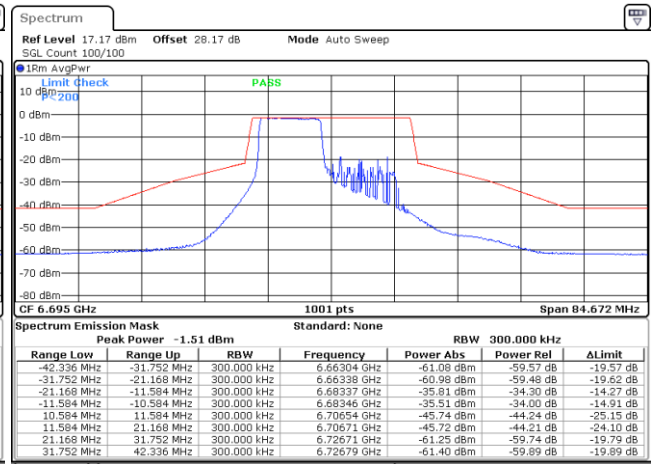
Date: 11.JAN.2024 14:05:23

Plot on Channel 6535 MHz



Date: 11.JAN.2024 15:09:25

Plot on Channel 6695 MHz



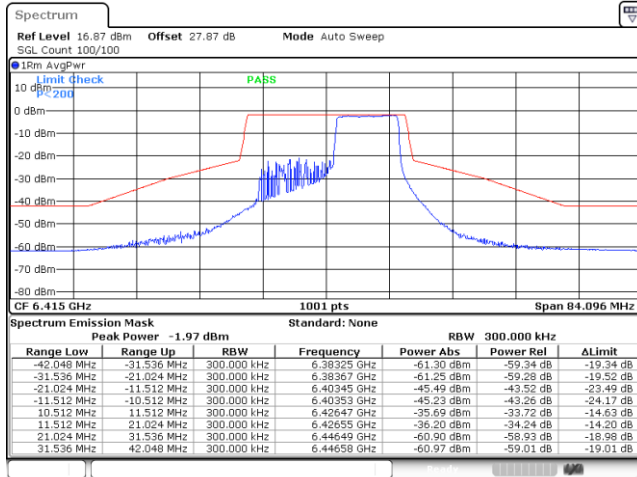
Date: 11.JAN.2024 15:22:59



EUT Mode

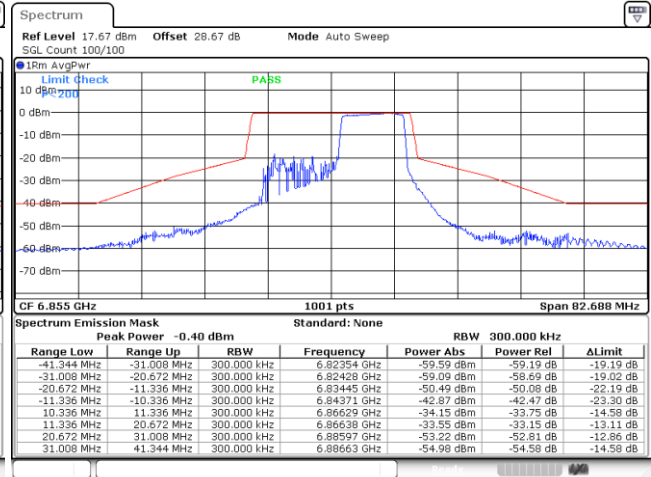
802.11ax HE20 106RU54

Plot on Channel 6415 MHz



Date: 11.JAN.2024 14:13:25

Plot on Channel 6855 MHz

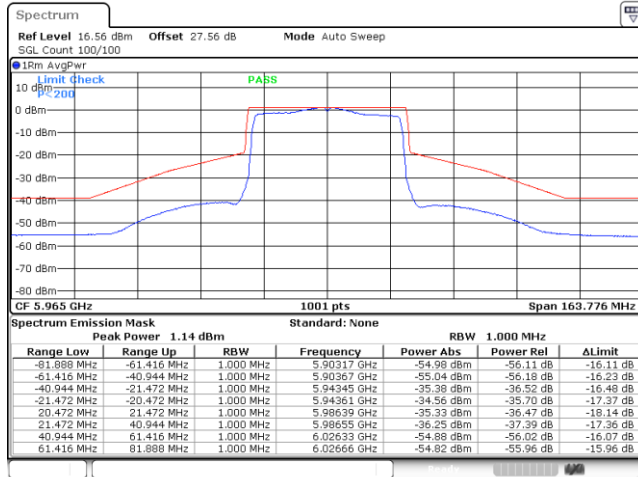


Date: 11.JAN.2024 15:31:39



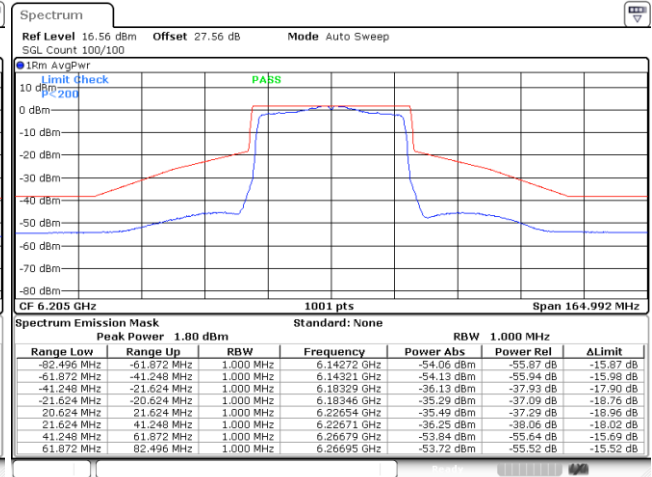
EUT Mode 802.11ax HE40 Full RU

Plot on Channel 5965 MHz



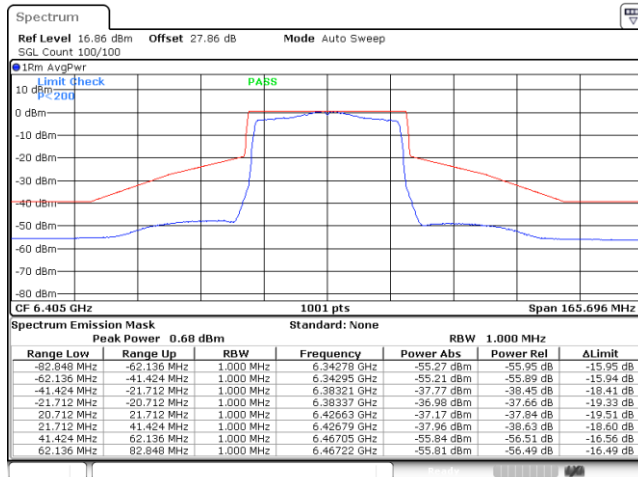
Date: 2.JAN.2024 15:08:08

Plot on Channel 6205 MHz



Date: 2.JAN.2024 15:12:29

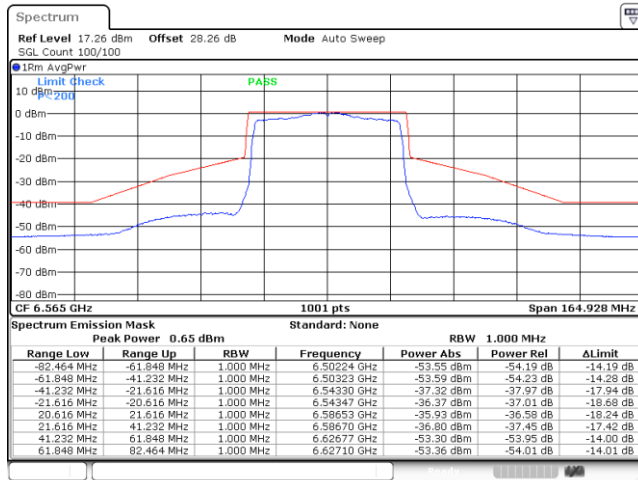
Plot on Channel 6405 MHz



Date: 2.JAN.2024 15:16:55

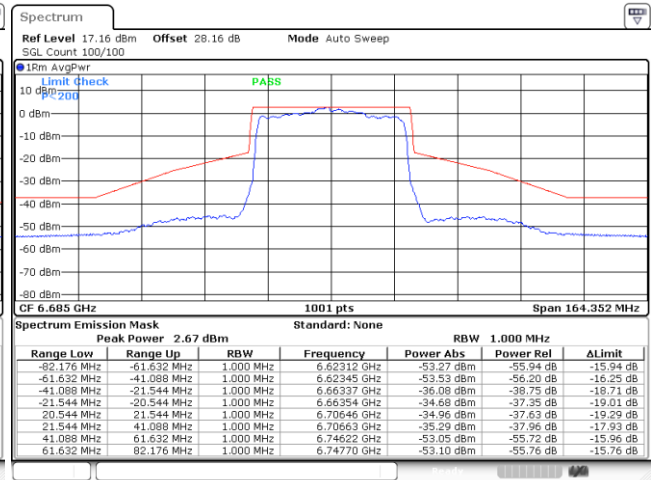


Plot on Channel 6565 MHz



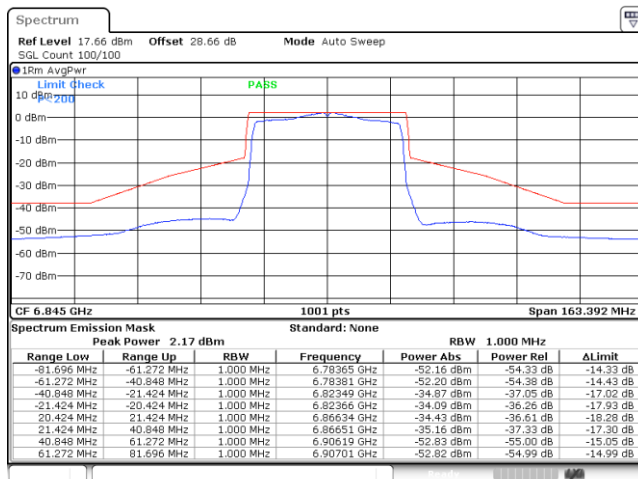
Date: 2.JAN.2024 15:43:30

Plot on Channel 6685 MHz



Date: 2.JAN.2024 15:47:33

Plot on Channel 6845 MHz



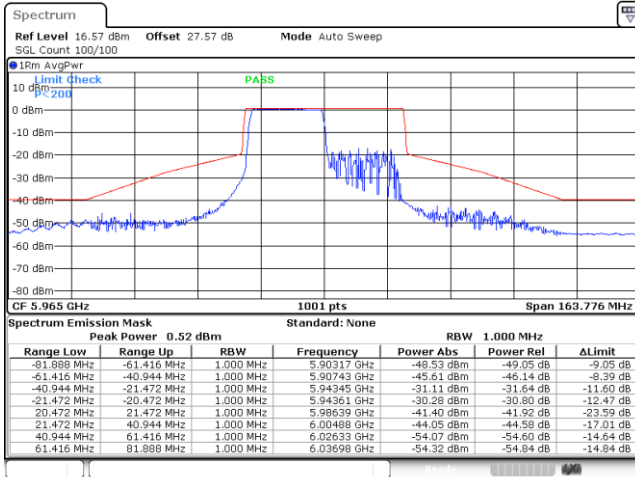
Date: 2.JAN.2024 15:51:49



EUT Mode

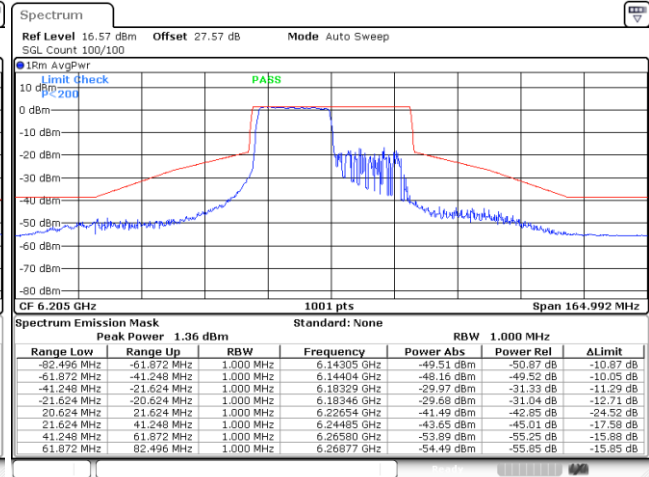
802.11ax HE40 242RU61

## Plot on Channel 5965 MHz



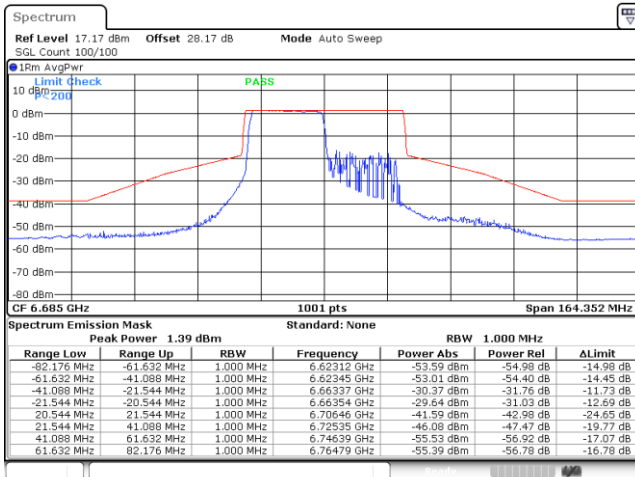
Date: 11.JAN.2024 15:39:23

## Plot on Channel 6205 MHz



Date: 11.JAN.2024 15:40:48

## Plot on Channel 6685 MHz



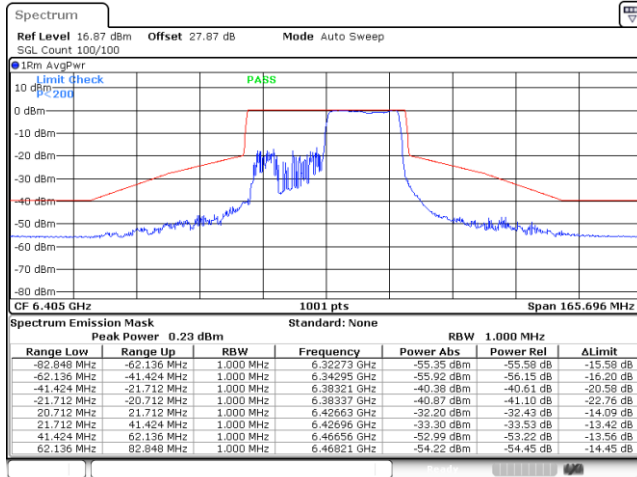
Date: 11.JAN.2024 16:14:48



EUT Mode

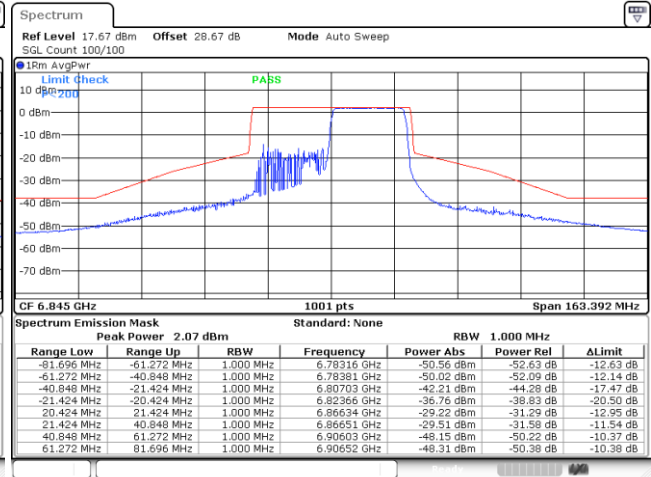
802.11ax HE40 242RU62

Plot on Channel 6405 MHz



Date: 11.JAN.2024 15:45:31

Plot on Channel 6845 MHz



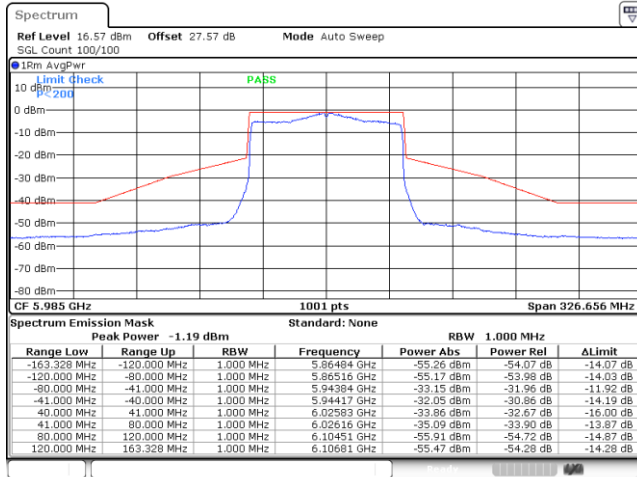
Date: 11.JAN.2024 16:23:04



EUT Mode

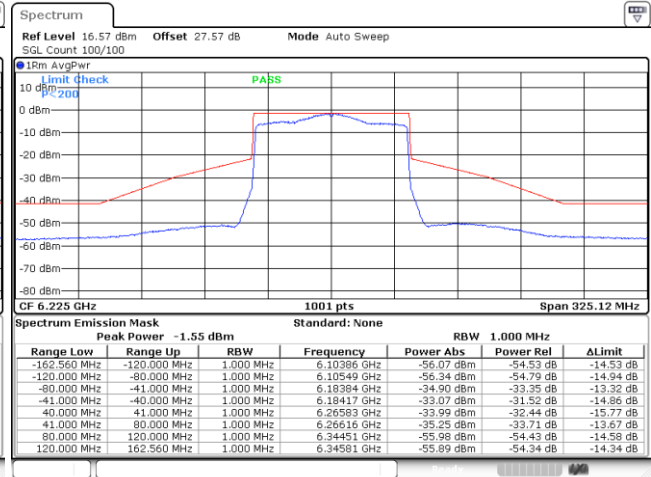
802.11ax HE80 Full RU

Plot on Channel 5985 MHz



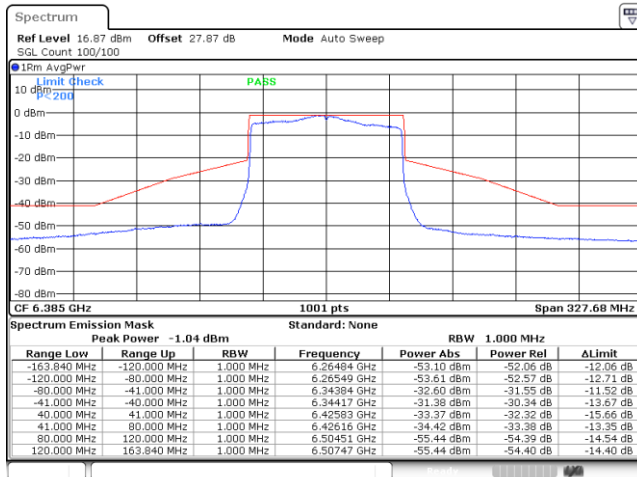
Date: 2.JAN.2024 15:58:39

Plot on Channel 6225 MHz



Date: 2.JAN.2024 16:02:48

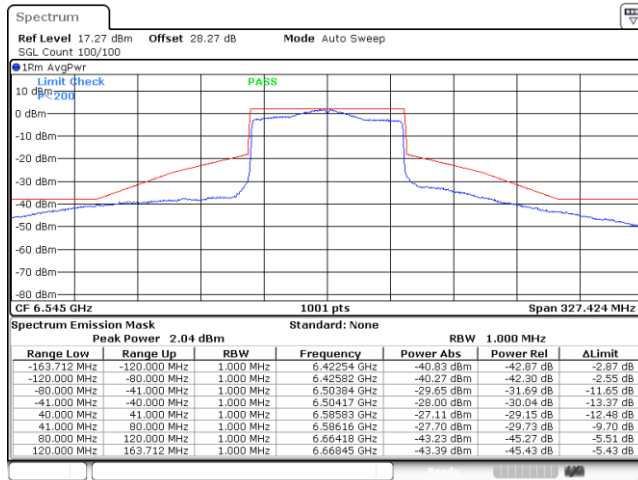
Plot on Channel 6385 MHz



Date: 2.JAN.2024 16:06:44

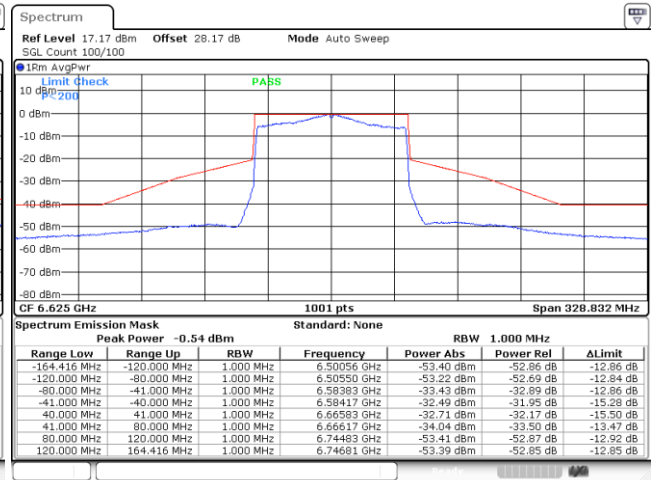


Plot on Channel 6545 MHz



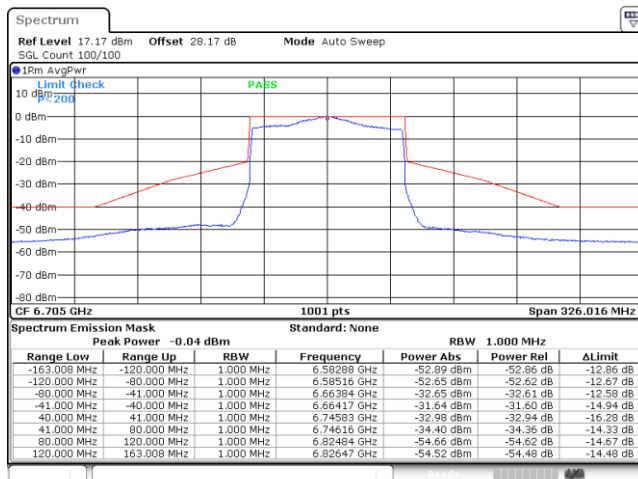
Date: 2.JAN.2024 16:38:03

Plot on Channel 6625 MHz



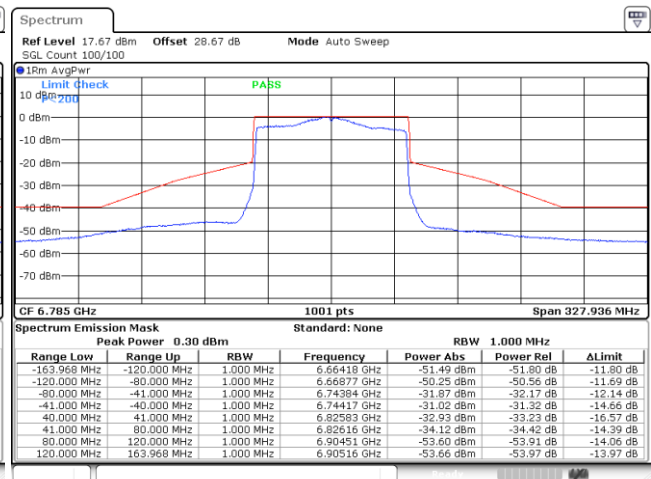
Date: 2.JAN.2024 16:41:44

Plot on Channel 6705 MHz



Date: 2.JAN.2024 16:46:11

Plot on Channel 6785 MHz



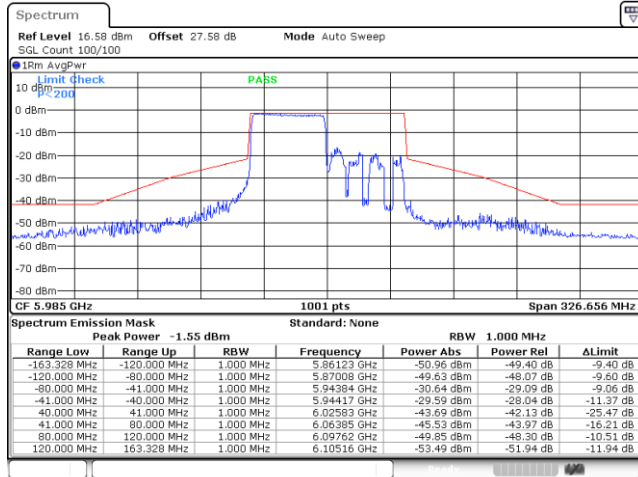
Date: 2.JAN.2024 16:49:52



EUT Mode

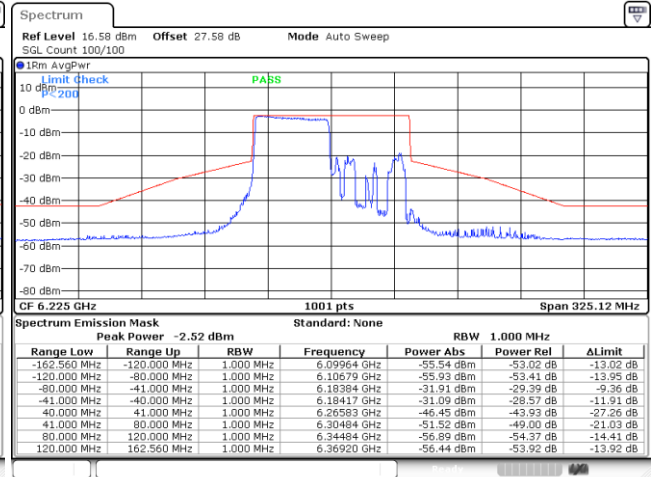
802.11ax HE80 484RU65

Plot on Channel 5985 MHz



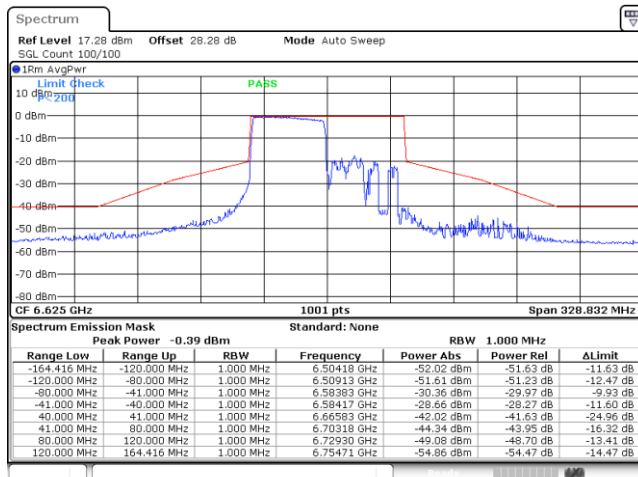
Date: 11.JAN.2024 16:26:49

Plot on Channel 6225 MHz



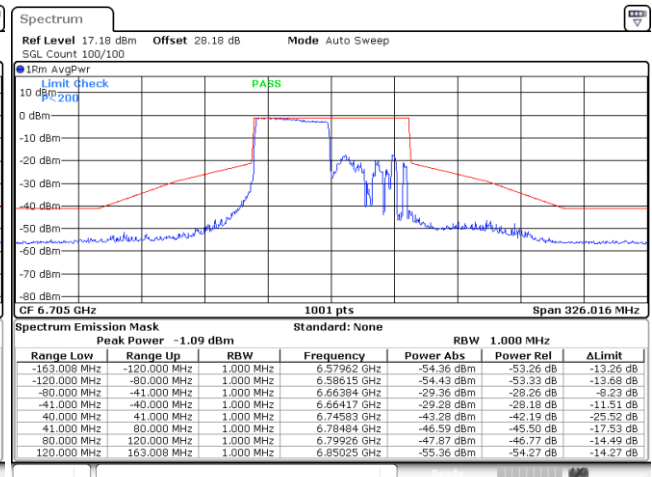
Date: 11.JAN.2024 16:28:14

Plot on Channel 6625 MHz



Date: 11.JAN.2024 16:45:57

Plot on Channel 6705 MHz



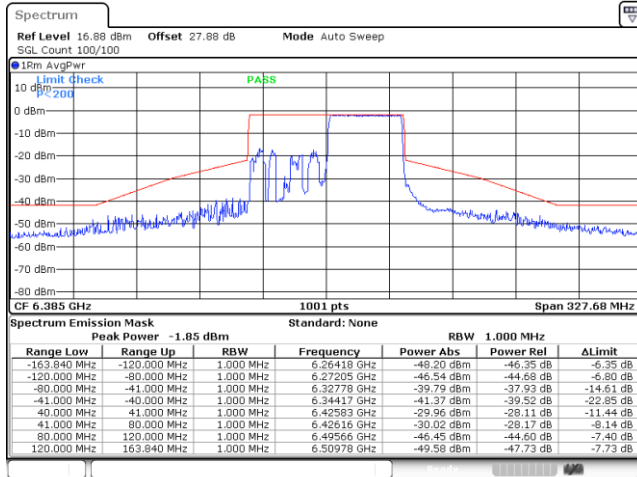
Date: 11.JAN.2024 16:47:13



EUT Mode

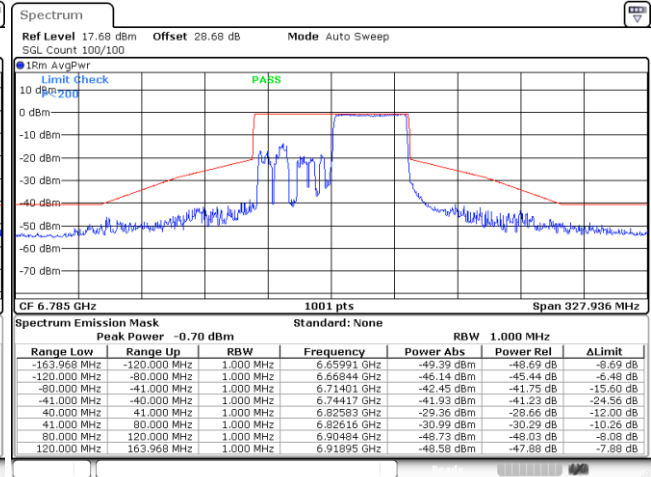
802.11ax HE80 484RU66

Plot on Channel 6385 MHz



Date: 11.JAN.2024 16:31:26

Plot on Channel 6785 MHz



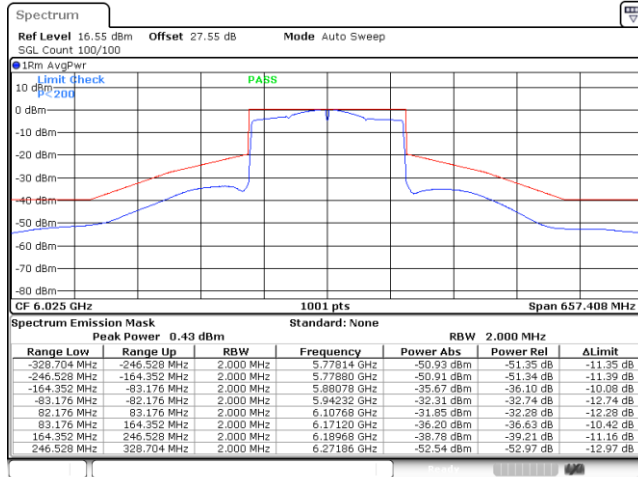
Date: 11.JAN.2024 16:49:58



EUT Mode

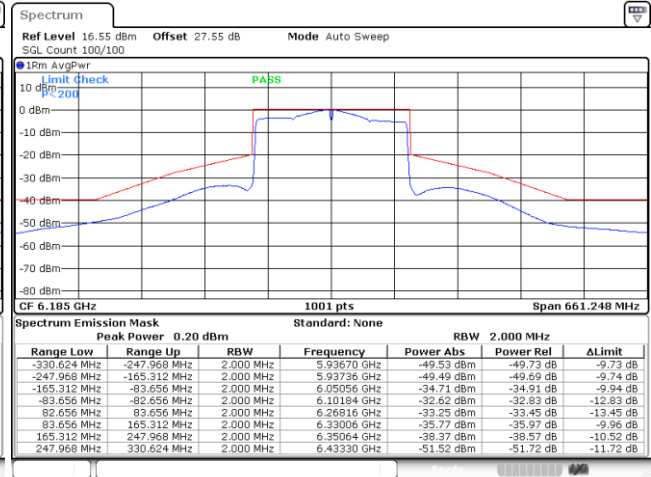
802.11ax HE160 Full RU

Plot on Channel 6025 MHz



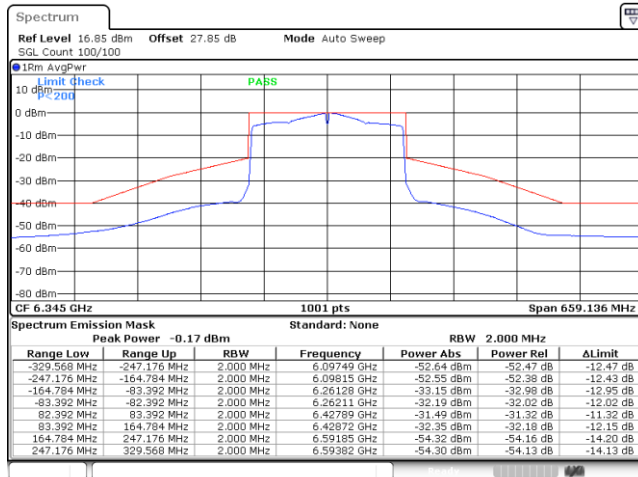
Date: 3.JAN.2024 08:21:24

Plot on Channel 6185 MHz



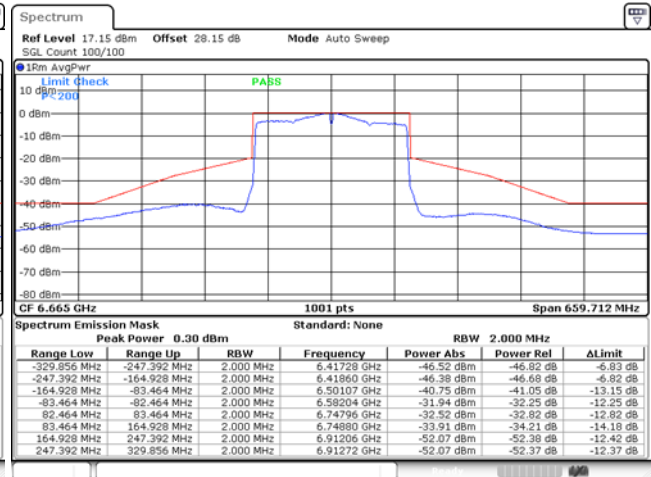
Date: 3.JAN.2024 08:29:35

Plot on Channel 6345 MHz



Date: 3.JAN.2024 08:34:08

Plot on Channel 6665 MHz



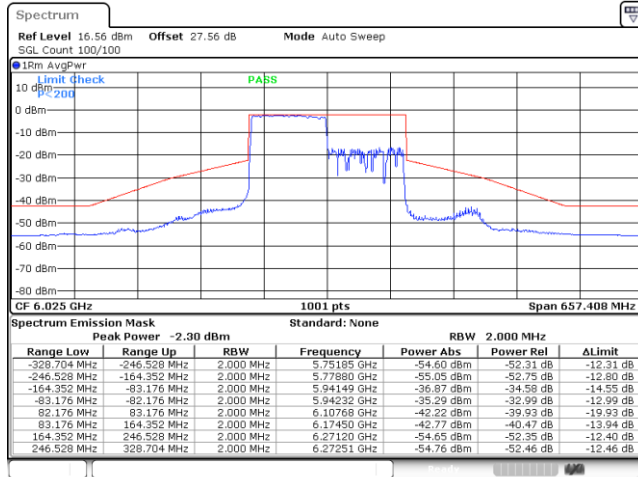
Date: 3.JAN.2024 09:22:50



EUT Mode

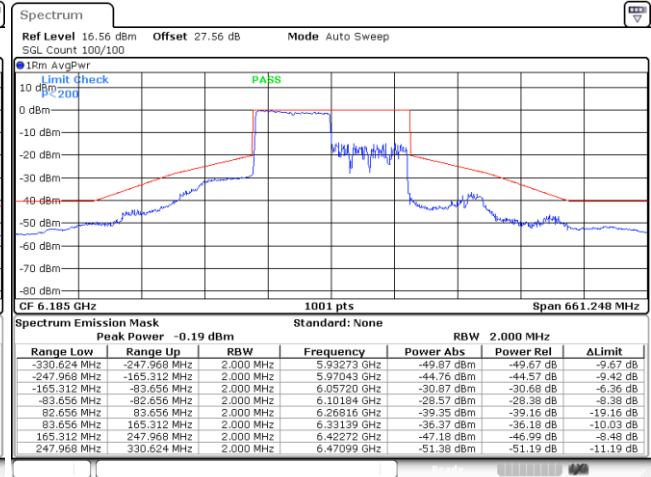
802.11ax HE160 996RU67

## Plot on Channel 6025 MHz



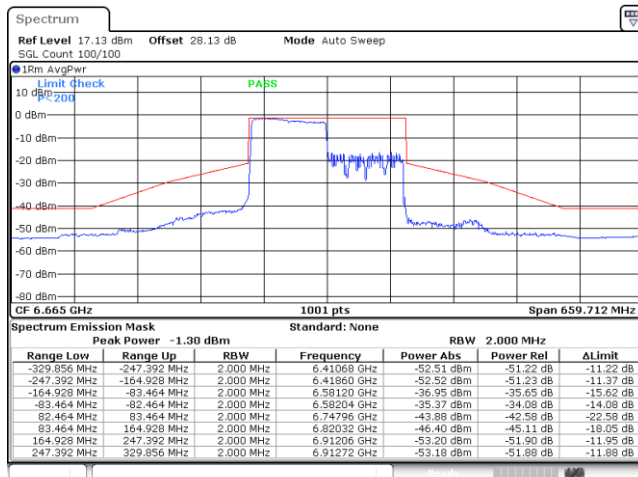
Date: 11.JAN.2024 16:54:20

## Plot on Channel 6185 MHz



Date: 11.JAN.2024 16:55:59

## Plot on Channel 6665 MHz



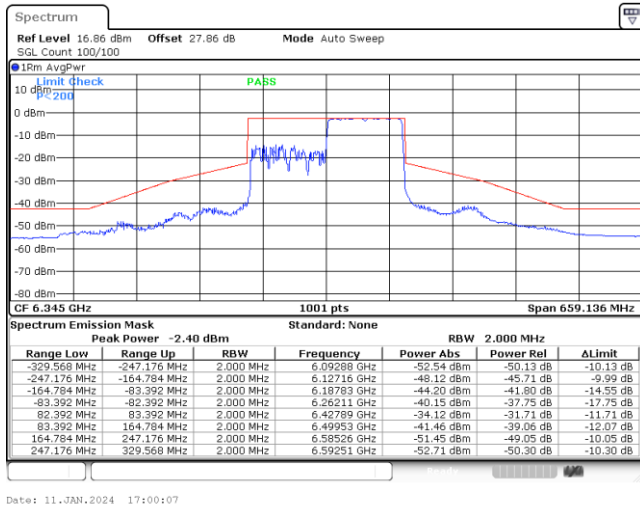
Date: 12.JAN.2024 09:01:20



EUT Mode

802.11ax HE160 996RUS67

## Plot on Channel 6345 MHz



### 3.5 Unwanted Emissions Measurement

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

#### 3.5.1 Limit of Unwanted Emissions

- (1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

| EIRP (dBm) | Field Strength at 3m (dBμV/m) |
|------------|-------------------------------|
| - 27 (RMS) | 68.3                          |
| - 7 (Peak) | 88.3                          |

According 987594 D02 U-NII 6GHz EMC Measurement v01 section G:

Unwanted emissions outside of restricted bands are measured with a RMS detector.

In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

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

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

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

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

#### 3.5.2 Measuring Instruments

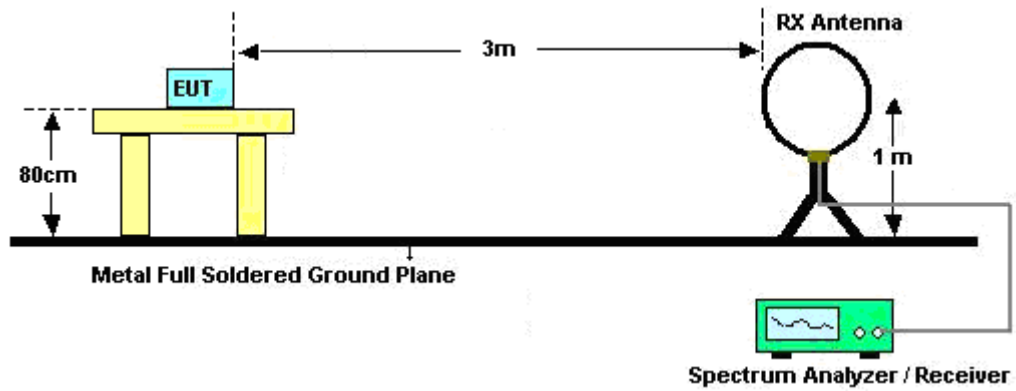
Please refer to the measuring equipment list in this test report.

### 3.5.3 Test Procedures

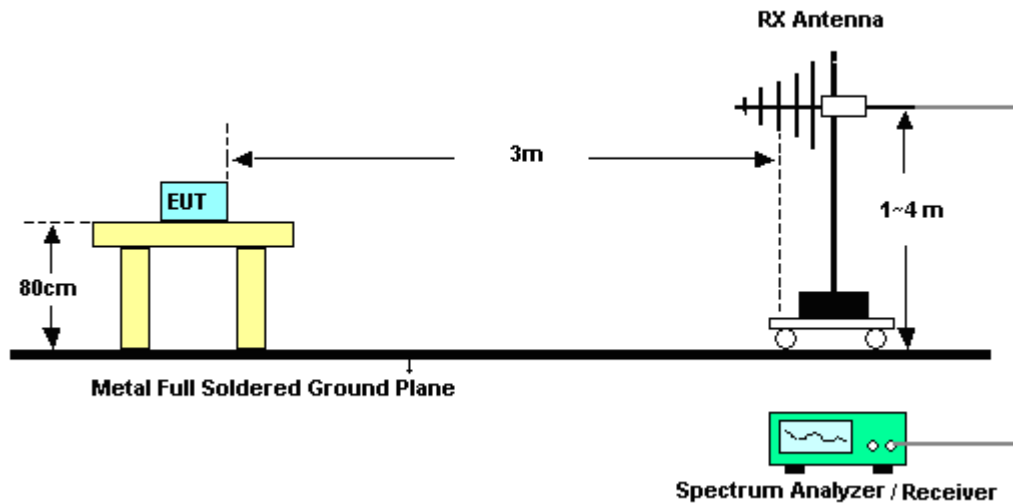
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.  
Section G) Unwanted emissions measurement.  
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
  - RBW = 120 kHz
  - VBW = 300 kHz
  - Detector = Peak
  - Trace mode = max hold(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
  - RBW = 1 MHz
  - VBW  $\geq$  3 MHz
  - Detector = Peak
  - Sweep time = auto
  - Trace mode = max hold(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
  - RBW = 1 MHz
  - VBW = 10 Hz, when duty cycle is no less than 98 percent.
  - VBW  $\geq$  1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT 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 “-”.

### 3.5.4 Test Setup

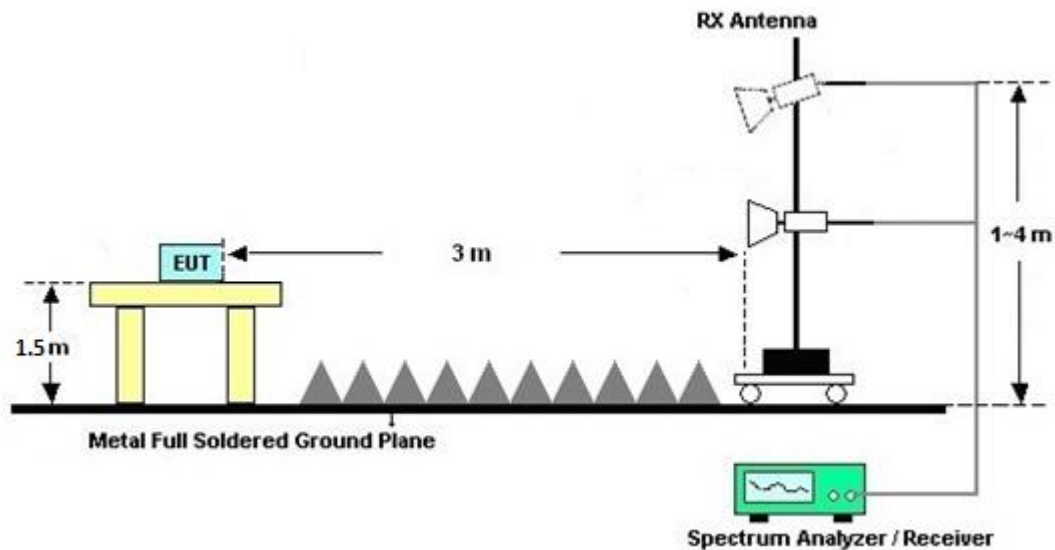
For radiated emissions below 30MHz



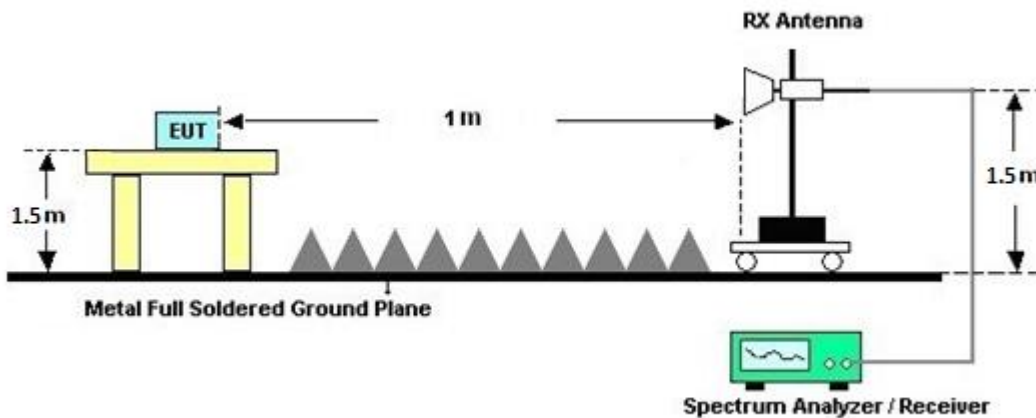
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



### 3.5.5 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.

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

Please refer to Appendix C and D.

### 3.5.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

## 3.6 AC Conducted Emission Measurement

### 3.6.1 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.

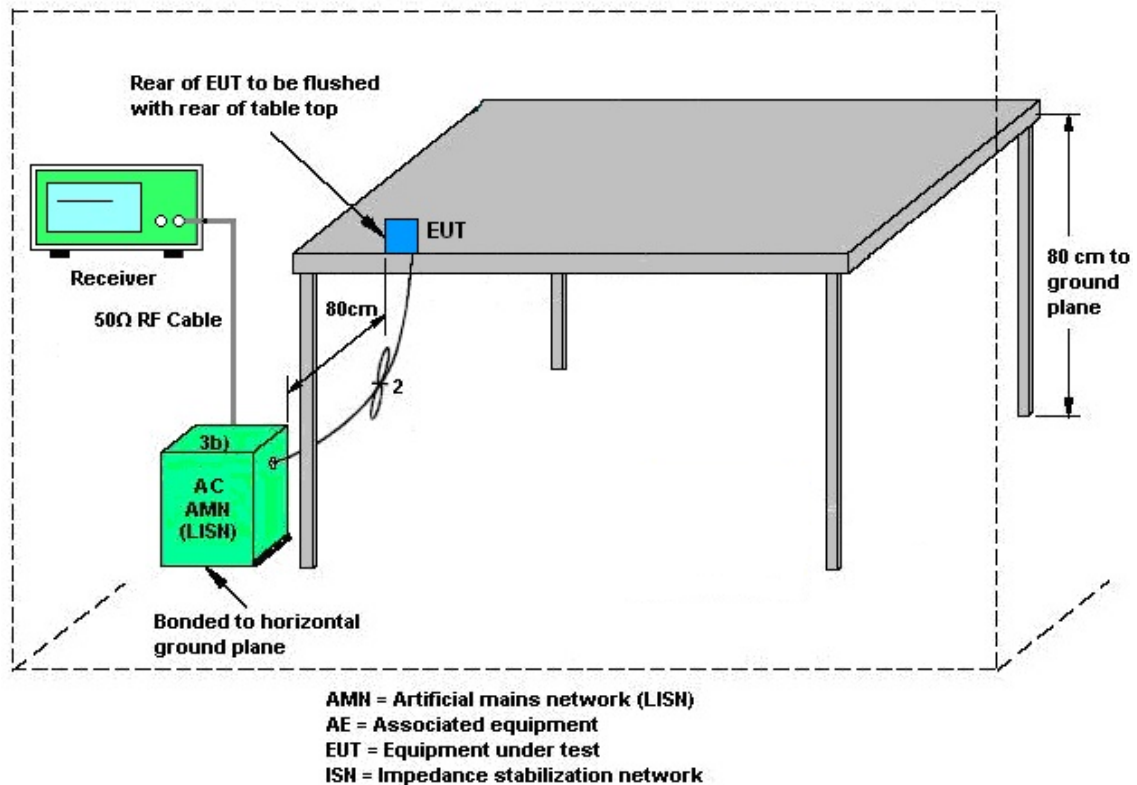
### 3.6.2 Measuring Instruments

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

### 3.6.3 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 should 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.

### 3.6.4 Test Setup



### 3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



## **3.7 Antenna Requirements**

### **3.7.1 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.

### **3.7.2 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                   |
|----------------------|-----------------|------------------------------------------|---------------------------|----------------------------|------------------|---------------------------------|---------------|--------------------------|
| Hygrometer           | TECEPIL         | DTM-303A                                 | TP201996                  | N/A                        | Nov. 07, 2023    | Nov. 23, 2023~<br>Jan. 17, 2024 | Nov. 06, 2024 | Conducted<br>(TH05-HY)   |
| Power Sensor         | DARE            | RPR3008W                                 | RPR8W-2301<br>001(NO:146) | 10MHz~8GHz                 | Feb. 07, 2023    | Nov. 23, 2023~<br>Jan. 17, 2024 | Feb. 06, 2024 | Conducted<br>(TH05-HY)   |
| Signal Analyzer      | Rohde & Schwarz | FSV40                                    | 101564                    | 10Hz ~ 40GHz               | Sep. 12, 2023    | Nov. 23, 2023~<br>Jan. 17, 2024 | Sep. 11, 2024 | Conducted<br>(TH05-HY)   |
| Loop Antenna         | Rohde & Schwarz | HFH2-Z2                                  | 100488                    | 9 kHz~30 MHz               | Sep. 12, 2023    | Dec. 15, 2023~<br>Jan. 29, 2024 | Sep. 11, 2024 | Radiation<br>(03CH16-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK     | BBHA9170                                 | 1223                      | 18GHz~40GHz                | Jul. 10, 2023    | Dec. 15, 2023~<br>Jan. 29, 2024 | Jul. 09, 2024 | Radiation<br>(03CH16-HY) |
| EMI Test Receiver    | Keysight        | N9038A(MXE)                              | MY57290111                | 3Hz~26.5GHz                | Dec. 04, 2023    | Dec. 15, 2023~<br>Jan. 29, 2024 | Dec. 03, 2024 | Radiation<br>(03CH16-HY) |
| Bilog Antenna        | TESEQ           | CBL 6111D &<br>00802N1D01N-06            | 47020 & 06                | 30MHz to 1GHz              | Oct. 07, 2023    | Dec. 15, 2023~<br>Jan. 29, 2024 | Oct. 06, 2024 | Radiation<br>(03CH16-HY) |
| Horn Antenna         | SCHWARZBECK     | BBHA 9120 D                              | 9120D-1522                | 1G~18GHz                   | Mar. 23, 2023    | Dec. 15, 2023~<br>Jan. 29, 2024 | Mar. 22, 2024 | Radiation<br>(03CH16-HY) |
| Amplifier            | SONOMA          | 310N                                     | 371607                    | 9kHz~1GHz                  | Jul. 03, 2023    | Dec. 15, 2023~<br>Jan. 29, 2024 | Jul. 02, 2024 | Radiation<br>(03CH16-HY) |
| Preamplifier         | Keysight        | 83017A                                   | MY53270264                | 1GHz~26.5GHz               | Dec. 07, 2023    | Dec. 15, 2023~<br>Jan. 29, 2024 | Dec. 06, 2024 | Radiation<br>(03CH16-HY) |
| Preamplifier         | EMEC            | EM1G18G                                  | 060812                    | 1GHz~18GHz                 | Dec. 26, 2022    | Dec. 15, 2023~<br>Dec. 24, 2023 | Dec. 25, 2023 | Radiation<br>(03CH16-HY) |
| Preamplifier         | EMEC            | EM1G18G                                  | 060812                    | 1GHz~18GHz                 | Dec. 25, 2023    | Dec. 25, 2023~<br>Jan. 29, 2024 | Dec. 24, 2024 | Radiation<br>(03CH16-HY) |
| Preamplifier         | EMEC            | EM18G40G                                 | 060801                    | 18GHz~40GHz                | Jun. 27, 2023    | Dec. 15, 2023~<br>Jan. 29, 2024 | Jun. 26, 2024 | Radiation<br>(03CH16-HY) |
| Filter               | Wainwright      | WLK4-1000-15<br>30-8000-40SS             | SN17                      | 1.53GHz Low<br>Pass Filter | Jan. 17, 2023    | Dec. 15, 2023~<br>Jan. 14, 2024 | Jan. 16, 2024 | Radiation<br>(03CH16-HY) |
| Filter               | Wainwright      | WLK4-1000-15<br>30-8000-40SS             | SN17                      | 1.53GHz Low<br>Pass Filter | Jan. 15, 2024    | Jan. 15, 2024~<br>Jan. 29, 2024 | Jan. 14, 2025 | Radiation<br>(03CH16-HY) |
| Filter               | Wainwright      | WHKX12-2700<br>-3000-18000-6<br>OST      | SN3                       | 3GHz High<br>Pass Filter   | Jun. 29, 2023    | Dec. 15, 2023~<br>Jan. 29, 2024 | Jun. 28, 2024 | Radiation<br>(03CH16-HY) |
| Notch Filter         | Wainwright      | WRCQV14-54<br>25-5825-6525-<br>6925-60SS | SN1                       | N/A                        | Jan. 07, 2023    | Dec. 15, 2023~<br>Jan. 04, 2024 | Jan. 06, 2024 | Radiation<br>(03CH16-HY) |
| Notch Filter         | Wainwright      | WRCQV14-54<br>25-5825-6525-<br>6925-60SS | SN1                       | N/A                        | Jan. 05, 2024    | Jan. 05, 2024~<br>Jan. 29, 2024 | Jan. 04, 2025 | Radiation<br>(03CH16-HY) |
| Notch Filter         | Wainwright      | WRCQV14-60<br>25-6425-7125-<br>7525-60SS | SN2                       | N/A                        | Jan. 06, 2023    | Dec. 15, 2023~<br>Jan. 04, 2024 | Jan. 05, 2024 | Radiation<br>(03CH16-HY) |
| Notch Filter         | Wainwright      | WRCQV14-60<br>25-6425-7125-<br>7525-60SS | SN2                       | N/A                        | Jan. 05, 2024    | Jan. 05, 2024~<br>Jan. 29, 2024 | Jan. 04, 2025 | Radiation<br>(03CH16-HY) |
| Filter               | Wainwright      | WHKX6-7268-<br>9200-26500-40<br>CD       | SN4                       | 9GHz High<br>Pass Filter   | May 23, 2023     | Dec. 15, 2023~<br>Jan. 29, 2024 | May 22, 2024  | Radiation<br>(03CH16-HY) |



| Instrument        | Brand Name      | Model No.                 | Serial No.                       | Characteristics               | Calibration Date | Test Date                   | Due Date      | Remark                |
|-------------------|-----------------|---------------------------|----------------------------------|-------------------------------|------------------|-----------------------------|---------------|-----------------------|
| RF Cable          | HUBER + SUHNER  | SUCOFLEX 102              | 803951/2                         | 9K~30M                        | Mar. 07, 2023    | Dec. 15, 2023~Jan. 29, 2024 | Mar. 06, 2024 | Radiation (03CH16-HY) |
| RF Cable          | HUBER + SUHNER  | SUCOFLEX 102/SUCOFLEX 104 | EC-A5-300-5757,805935/4,802434/4 | 30MHz~18GHz                   | Aug. 08, 2023    | Dec. 15, 2023~Jan. 29, 2024 | Aug. 07, 2024 | Radiation (03CH16-HY) |
| RF Cable          | HUBER + SUHNER  | SUCOFLEX 102              | 804011/2,804012/2                | 18-40GHz                      | Jan. 03, 2023    | Dec. 15, 2023~Jan. 01, 2024 | Jan. 02, 2024 | Radiation (03CH16-HY) |
| RF Cable          | HUBER + SUHNER  | SUCOFLEX 102              | 804011/2,804012/2                | 18-40GHz                      | Jan. 02, 2024    | Jan. 02, 2024~Jan. 29, 2024 | Jan. 01, 2025 | Radiation (03CH16-HY) |
| Software          | Audix           | E3 6.2009-8-24            | RK-001136                        | N/A                           | N/A              | Dec. 15, 2023~Jan. 29, 2024 | N/A           | Radiation (03CH16-HY) |
| Controller        | ChainTek        | 3000-1                    | N/A                              | Control Turn table & Ant Mast | N/A              | Dec. 15, 2023~Jan. 29, 2024 | N/A           | Radiation (03CH16-HY) |
| Antenna Mast      | ChainTek        | MBS-520-1                 | N/A                              | 1m~4m                         | N/A              | Dec. 15, 2023~Jan. 29, 2024 | N/A           | Radiation (03CH16-HY) |
| Turn Table        | ChainTek        | T-200-S-1                 | N/A                              | 0~360 Degree                  | N/A              | Dec. 15, 2023~Jan. 29, 2024 | N/A           | Radiation (03CH16-HY) |
| AC Power Source   | ChainTek        | APC-1000W                 | N/A                              | N/A                           | N/A              | Dec. 12, 2023               | N/A           | Conduction (CO05-HY)  |
| EMI Test Receiver | Rohde & Schwarz | ESR3                      | 102317                           | 9kHz~3.6GHz                   | Sep. 20, 2023    | Dec. 12, 2023               | Sep. 19, 2024 | Conduction (CO05-HY)  |
| Hygrometer        | Testo           | 608-H1                    | 34913912                         | N/A                           | Oct. 26, 2023    | Dec. 12, 2023               | Oct. 25, 2024 | Conduction (CO05-HY)  |
| LISN              | Rohde & Schwarz | ENV216                    | 100081                           | 9kHz~30MHz                    | Nov. 22, 2023    | Dec. 12, 2023               | Nov. 21, 2024 | Conduction (CO05-HY)  |
| Software          | Rohde & Schwarz | EMC32                     | N/A                              | N/A                           | N/A              | Dec. 12, 2023               | N/A           | Conduction (CO05-HY)  |
| Pulse Limiter     | SCHWARZBECK     | VTSD 9561-FN              | 00691                            | 9kHz-200MHz                   | Jul. 28, 2023    | Dec. 12, 2023               | Jul. 27, 2024 | Conduction (CO05-HY)  |
| LISN Cable        | MVE             | RG-400                    | 260260                           | N/A                           | Dec. 29, 2022    | Dec. 12, 2023               | Dec. 28, 2023 | Conduction (CO05-HY)  |

## 5 Measurement Uncertainty

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

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

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

|                                                                          |         |
|--------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 6.50 dB |
|--------------------------------------------------------------------------|---------|

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

|                                                                          |         |
|--------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 4.50 dB |
|--------------------------------------------------------------------------|---------|

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

|                                                                          |         |
|--------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 4.50 dB |
|--------------------------------------------------------------------------|---------|

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

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

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

|                |                       |                    |       |    |
|----------------|-----------------------|--------------------|-------|----|
| Test Engineer: | Wei Shun Hung         | Temperature:       | 21~25 | °C |
| Test Date:     | 2023/11/27~2024/01/17 | Relative Humidity: | 51~54 | %  |

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

| U-NII-5 MIMO |           |                 |     |             |                     |       |                       |       |                                |            |
|--------------|-----------|-----------------|-----|-------------|---------------------|-------|-----------------------|-------|--------------------------------|------------|
| Mod.         | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | Emission Bandwidth Limit (MHz) | Pass /Fail |
|              |           |                 |     |             | Ant 6               | Ant 7 | Ant 6                 | Ant 7 |                                |            |
| 11a          | 6Mbps     | 2               | 001 | 5955        | 16.38               | 16.33 | 19.44                 | 19.38 | 320.00                         | Pass       |
| 11a          | 6Mbps     | 2               | 049 | 6195        | 16.38               | 16.33 | 19.34                 | 19.47 | 320.00                         | Pass       |
| 11a          | 6Mbps     | 2               | 093 | 6415        | 16.33               | 16.33 | 19.47                 | 19.32 | 320.00                         | Pass       |

**TEST RESULTS DATA**  
**EIRP Power Table**

| U-NII-5 MIMO |           |     |     |             |                       |       |       |          |       |                  |                        |            |
|--------------|-----------|-----|-----|-------------|-----------------------|-------|-------|----------|-------|------------------|------------------------|------------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power (dBm) |       |       | DG (dBi) |       | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
|              |           |     |     |             | Ant 6                 | Ant 7 | SUM   | Ant 6    | Ant 7 |                  |                        |            |
| 11a          | 6Mbps     | 2   | 001 | 5955        | 14.90                 | 15.00 | 17.96 | 1.78     |       | 19.74            | 30dBm                  | Pass       |
| 11a          | 6Mbps     | 2   | 049 | 6195        | 15.00                 | 14.90 | 17.96 | 1.78     |       | 19.74            | 30dBm                  | Pass       |
| 11a          | 6Mbps     | 2   | 093 | 6415        | 15.30                 | 14.30 | 17.84 | 1.78     |       | 19.62            | 30dBm                  | Pass       |

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

| U-NII-5 MIMO |           |     |     |             |                  |       |                                                    |       |      |          |       |                              |                                    |            |
|--------------|-----------|-----|-----|-------------|------------------|-------|----------------------------------------------------|-------|------|----------|-------|------------------------------|------------------------------------|------------|
| Mod.         | Data Rate | NTx | CH. | Freq. (MHz) | Duty Factor (dB) |       | Conducted Power Density with Duty Factor (dBm/MHz) |       |      | DG (dBi) |       | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm/MHz) | Pass /Fail |
|              |           |     |     |             | Ant 6            | Ant 7 | Ant 6                                              | Ant 7 | SUM  | Ant 6    | Ant 7 | SUM                          |                                    |            |
| 11a          | 6Mbps     | 2   | 001 | 5955        | 0.65             | 0.65  |                                                    |       | 7.21 | 4.73     | 11.93 | 17.00                        | Pass                               |            |
| 11a          | 6Mbps     | 2   | 049 | 6195        | 0.65             | 0.65  |                                                    |       | 6.93 | 4.73     | 11.66 | 17.00                        | Pass                               |            |
| 11a          | 6Mbps     | 2   | 093 | 6415        | 0.65             | 0.65  |                                                    |       | 7.15 | 4.73     | 11.88 | 17.00                        | Pass                               |            |

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

| U-NII-7 MIMO |           |                 |     |             |                     |       |                       |       |                                |            |
|--------------|-----------|-----------------|-----|-------------|---------------------|-------|-----------------------|-------|--------------------------------|------------|
| Mod.         | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | Emission Bandwidth Limit (MHz) | Pass /Fail |
|              |           |                 |     |             | Ant 6               | Ant 7 | Ant 6                 | Ant 7 |                                |            |
| 11a          | 6Mbps     | 2               | 117 | 6535        | 16.33               | 16.33 | 19.43                 | 19.50 | 320.00                         | Pass       |
| 11a          | 6Mbps     | 2               | 149 | 6695        | 16.33               | 16.33 | 19.35                 | 19.35 | 320.00                         | Pass       |
| 11a          | 6Mbps     | 2               | 181 | 6855        | 16.38               | 16.33 | 19.46                 | 19.18 | 320.00                         | Pass       |

**TEST RESULTS DATA**  
**EIRP Power Table**

| U-NII-7 MIMO |           |     |     |             |                       |       |       |          |       |                  |                        |            |
|--------------|-----------|-----|-----|-------------|-----------------------|-------|-------|----------|-------|------------------|------------------------|------------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power (dBm) |       |       | DG (dBi) |       | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
|              |           |     |     |             | Ant 6                 | Ant 7 | SUM   | Ant 6    | Ant 7 |                  |                        |            |
| 11a          | 6Mbps     | 2   | 117 | 6535        | 15.00                 | 14.50 | 17.77 | 1.85     |       | 19.62            | 30dBm                  | Pass       |
| 11a          | 6Mbps     | 2   | 149 | 6695        | 15.00                 | 14.50 | 17.77 | 1.85     |       | 19.62            | 30dBm                  | Pass       |
| 11a          | 6Mbps     | 2   | 181 | 6855        | 14.60                 | 15.00 | 17.81 | 1.85     |       | 19.66            | 30dBm                  | Pass       |

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

| U-NII-7 MIMO |           |     |     |             |                  |       |                                                    |       |      |          |       |                              |                                    |            |
|--------------|-----------|-----|-----|-------------|------------------|-------|----------------------------------------------------|-------|------|----------|-------|------------------------------|------------------------------------|------------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Conducted Power Density with Duty Factor (dBm/MHz) |       |      | DG (dBi) |       | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm/MHz) | Pass /Fail |
|              |           |     |     |             | Ant 6            | Ant 7 | Ant 6                                              | Ant 7 | SUM  | Ant 6    | Ant 7 | SUM                          |                                    |            |
| 11a          | 6Mbps     | 2   | 117 | 6535        | 0.65             | 0.65  |                                                    |       | 6.67 | 4.58     | 11.25 | 17.00                        | Pass                               |            |
| 11a          | 6Mbps     | 2   | 149 | 6695        | 0.65             | 0.65  |                                                    |       | 6.72 | 4.58     | 11.30 | 17.00                        | Pass                               |            |
| 11a          | 6Mbps     | 2   | 181 | 6855        | 0.65             | 0.65  |                                                    |       | 6.14 | 4.58     | 10.72 | 17.00                        | Pass                               |            |

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

| U-NII-5 MIMO |           |     |     |             |            |                     |        |                       |        |                                |            |
|--------------|-----------|-----|-----|-------------|------------|---------------------|--------|-----------------------|--------|--------------------------------|------------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) |        | 26 dB Bandwidth (MHz) |        | Emission Bandwidth Limit (MHz) | Pass /Fail |
|              |           |     |     |             |            | Ant 6               | Ant 7  | Ant 6                 | Ant 7  |                                |            |
| HE20         | MCS0      | 2   | 001 | 5955        | Full       | 18.83               | 18.83  | 20.94                 | 20.81  | 320.00                         | Pass       |
| HE20         | MCS0      | 2   | 049 | 6195        | Full       | 18.83               | 18.88  | 20.82                 | 20.93  | 320.00                         | Pass       |
| HE20         | MCS0      | 2   | 093 | 6415        | Full       | 18.83               | 18.88  | 20.88                 | 21.02  | 320.00                         | Pass       |
| HE40         | MCS0      | 2   | 003 | 5965        | Full       | 37.76               | 37.86  | 41.36                 | 40.94  | 320.00                         | Pass       |
| HE40         | MCS0      | 2   | 051 | 6205        | Full       | 37.66               | 37.76  | 41.17                 | 41.25  | 320.00                         | Pass       |
| HE40         | MCS0      | 2   | 091 | 6405        | Full       | 37.66               | 37.76  | 41.14                 | 41.42  | 320.00                         | Pass       |
| HE80         | MCS0      | 2   | 007 | 5985        | Full       | 76.72               | 76.84  | 81.70                 | 81.66  | 320.00                         | Pass       |
| HE80         | MCS0      | 2   | 055 | 6225        | Full       | 76.84               | 76.84  | 81.63                 | 81.28  | 320.00                         | Pass       |
| HE80         | MCS0      | 2   | 087 | 6385        | Full       | 77.08               | 76.96  | 81.82                 | 81.92  | 320.00                         | Pass       |
| HE160        | MCS0      | 2   | 015 | 6025        | Full       | 155.36              | 155.84 | 164.06                | 164.35 | 320.00                         | Pass       |
| HE160        | MCS0      | 2   | 047 | 6185        | Full       | 155.84              | 156.32 | 164.59                | 165.31 | 320.00                         | Pass       |
| HE160        | MCS0      | 2   | 079 | 6345        | Full       | 156.08              | 155.60 | 165.89                | 164.78 | 320.00                         | Pass       |

**TEST RESULTS DATA**  
**EIRP Power Table**

| U-NII-5 MIMO |           |     |     |             |            |                       |       |       |          |       |                  |                        |            |
|--------------|-----------|-----|-----|-------------|------------|-----------------------|-------|-------|----------|-------|------------------|------------------------|------------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power (dBm) |       |       | DG (dBi) |       | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
|              |           |     |     |             |            | Ant 6                 | Ant 7 | SUM   | Ant 6    | Ant 7 | SUM              |                        |            |
| HE20         | MCS0      | 2   | 001 | 5955        | Full       | 15.10                 | 15.30 | 18.21 | 1.78     |       | 19.99            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 001 | 5955        | 26/0       | 7.10                  | 6.80  | 9.96  | 1.78     |       | 11.74            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 001 | 5955        | 52/37      | 9.60                  | 9.30  | 12.46 | 1.78     |       | 14.24            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 001 | 5955        | 106/53     | 13.00                 | 12.60 | 15.81 | 1.78     |       | 17.59            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 049 | 6195        | Full       | 15.20                 | 14.90 | 18.06 | 1.78     |       | 19.84            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 049 | 6195        | 26/4       | 8.30                  | 8.20  | 11.26 | 1.78     |       | 13.04            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 049 | 6195        | 52/38      | 10.50                 | 10.20 | 13.36 | 1.78     |       | 15.14            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 049 | 6195        | 106/53     | 13.50                 | 13.50 | 16.51 | 1.78     |       | 18.29            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 093 | 6415        | Full       | 15.20                 | 14.20 | 17.74 | 1.78     |       | 19.52            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 093 | 6415        | 26/8       | 6.60                  | 6.00  | 9.32  | 1.78     |       | 11.10            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 093 | 6415        | 52/40      | 10.30                 | 9.90  | 13.11 | 1.78     |       | 14.89            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 093 | 6415        | 106/54     | 13.00                 | 12.70 | 15.86 | 1.78     |       | 17.64            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 003 | 5965        | Full       | 15.10                 | 15.10 | 18.11 | 1.78     |       | 19.89            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 003 | 5965        | 242/61     | 14.40                 | 14.10 | 17.26 | 1.78     |       | 19.04            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 051 | 6205        | Full       | 15.20                 | 14.90 | 18.06 | 1.78     |       | 19.84            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 051 | 6205        | 242/61     | 14.50                 | 14.40 | 17.46 | 1.78     |       | 19.24            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 091 | 6405        | Full       | 14.60                 | 14.10 | 17.37 | 1.78     |       | 19.15            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 091 | 6405        | 242/62     | 13.60                 | 13.20 | 16.41 | 1.78     |       | 18.19            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 007 | 5985        | Full       | 15.00                 | 15.20 | 18.11 | 1.78     |       | 19.89            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 007 | 5985        | 484/65     | 14.70                 | 14.30 | 17.51 | 1.78     |       | 19.29            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 055 | 6225        | Full       | 14.90                 | 14.30 | 17.62 | 1.78     |       | 19.40            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 055 | 6225        | 484/65     | 13.80                 | 13.00 | 16.43 | 1.78     |       | 18.21            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 087 | 6385        | Full       | 15.30                 | 14.60 | 17.97 | 1.78     |       | 19.75            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 087 | 6385        | 484/66     | 14.60                 | 14.30 | 17.46 | 1.78     |       | 19.24            | 30.00                  | Pass       |
| HE160        | MCS0      | 2   | 015 | 6025        | Full       | 15.00                 | 15.00 | 18.01 | 1.78     |       | 19.79            | 30.00                  | Pass       |
| HE160        | MCS0      | 2   | 015 | 6025        | 996/67     | 13.90                 | 13.60 | 16.76 | 1.78     |       | 18.54            | 30.00                  | Pass       |
| HE160        | MCS0      | 2   | 047 | 6185        | Full       | 15.40                 | 15.00 | 18.21 | 1.78     |       | 19.99            | 30.00                  | Pass       |
| HE160        | MCS0      | 2   | 047 | 6185        | 996/67     | 15.40                 | 15.50 | 18.46 | 1.78     |       | 20.24            | 30.00                  | Pass       |
| HE160        | MCS0      | 2   | 079 | 6345        | Full       | 15.00                 | 14.40 | 17.72 | 1.78     |       | 19.50            | 30.00                  | Pass       |
| HE160        | MCS0      | 2   | 079 | 6345        | 996/S67    | 14.10                 | 13.70 | 16.91 | 1.78     |       | 18.69            | 30.00                  | Pass       |

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

| U-NII-5 MIMO |           |     |     |             |            |                  |       |                                                    |       |      |          |       |                              |                                    |            |
|--------------|-----------|-----|-----|-------------|------------|------------------|-------|----------------------------------------------------|-------|------|----------|-------|------------------------------|------------------------------------|------------|
| Mod.         | Data Rate | NTx | CH. | Freq. (MHz) | RU Config. | Duty Factor (dB) |       | Conducted Power Density with Duty Factor (dBm/MHz) |       |      | DG (dBi) |       | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm/MHz) | Pass /Fail |
|              |           |     |     |             |            | Ant 6            | Ant 7 | Ant 6                                              | Ant 7 | SUM  | Ant 6    | Ant 7 | SUM                          |                                    |            |
| HE20         | MCS0      | 2   | 001 | 5955        | Full       | 0.66             | 0.68  |                                                    |       | 6.79 | 4.73     | 11.51 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 001 | 5955        | 26/0       | 0.63             | 0.64  |                                                    |       | 6.31 | 4.73     | 11.04 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 001 | 5955        | 52/37      | 0.64             | 0.64  |                                                    |       | 5.97 | 4.73     | 10.70 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 001 | 5955        | 106/53     | 0.67             | 0.67  |                                                    |       | 6.29 | 4.73     | 11.02 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 049 | 6195        | Full       | 0.66             | 0.68  |                                                    |       | 6.95 | 4.73     | 11.67 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 049 | 6195        | 26/4       | 0.63             | 0.64  |                                                    |       | 6.49 | 4.73     | 11.21 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 049 | 6195        | 52/38      | 0.64             | 0.64  |                                                    |       | 6.57 | 4.73     | 11.30 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 049 | 6195        | 106/53     | 0.67             | 0.67  |                                                    |       | 6.74 | 4.73     | 11.47 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 093 | 6415        | Full       | 0.66             | 0.68  |                                                    |       | 6.72 | 4.73     | 11.45 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 093 | 6415        | 26/8       | 0.63             | 0.64  |                                                    |       | 6.00 | 4.73     | 10.72 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 093 | 6415        | 52/40      | 0.64             | 0.64  |                                                    |       | 6.64 | 4.73     | 11.37 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 093 | 6415        | 106/54     | 0.67             | 0.67  |                                                    |       | 6.35 | 4.73     | 11.07 | 17.00                        | Pass                               |            |
| HE40         | MCS0      | 2   | 003 | 5965        | Full       | 0.65             | 0.66  |                                                    |       | 4.10 | 4.73     | 8.83  | 17.00                        | Pass                               |            |
| HE40         | MCS0      | 2   | 003 | 5965        | 242/61     | 0.67             | 0.67  |                                                    |       | 4.02 | 4.73     | 8.75  | 17.00                        | Pass                               |            |
| HE40         | MCS0      | 2   | 051 | 6205        | Full       | 0.65             | 0.66  |                                                    |       | 4.47 | 4.73     | 9.20  | 17.00                        | Pass                               |            |
| HE40         | MCS0      | 2   | 051 | 6205        | 242/61     | 0.67             | 0.67  |                                                    |       | 4.31 | 4.73     | 9.04  | 17.00                        | Pass                               |            |
| HE40         | MCS0      | 2   | 091 | 6405        | Full       | 0.65             | 0.66  |                                                    | 3.56  | 4.73 | 8.28     | 17.00 | Pass                         |                                    |            |
| HE40         | MCS0      | 2   | 091 | 6405        | 242/62     | 0.67             | 0.67  |                                                    | 3.26  | 4.73 | 7.99     | 17.00 | Pass                         |                                    |            |
| HE80         | MCS0      | 2   | 007 | 5985        | Full       | 0.67             | 0.67  |                                                    | 2.05  | 4.73 | 6.78     | 17.00 | Pass                         |                                    |            |
| HE80         | MCS0      | 2   | 007 | 5985        | 484/65     | 0.68             | 0.68  |                                                    | 1.64  | 4.73 | 6.36     | 17.00 | Pass                         |                                    |            |
| HE80         | MCS0      | 2   | 055 | 6225        | Full       | 0.67             | 0.67  |                                                    | 0.72  | 4.73 | 5.45     | 17.00 | Pass                         |                                    |            |
| HE80         | MCS0      | 2   | 055 | 6225        | 484/65     | 0.68             | 0.68  |                                                    | 0.49  | 4.73 | 5.22     | 17.00 | Pass                         |                                    |            |
| HE80         | MCS0      | 2   | 087 | 6385        | Full       | 0.67             | 0.67  |                                                    | 1.60  | 4.73 | 6.32     | 17.00 | Pass                         |                                    |            |
| HE80         | MCS0      | 2   | 087 | 6385        | 484/66     | 0.68             | 0.68  |                                                    | 1.49  | 4.73 | 6.22     | 17.00 | Pass                         |                                    |            |
| HE160        | MCS0      | 2   | 015 | 6025        | Full       | 0.69             | 0.65  |                                                    | -1.68 | 4.73 | 3.04     | 17.00 | Pass                         |                                    |            |
| HE160        | MCS0      | 2   | 015 | 6025        | 996/67     | 0.66             | 0.66  |                                                    | -2.15 | 4.73 | 2.58     | 17.00 | Pass                         |                                    |            |
| HE160        | MCS0      | 2   | 047 | 6185        | Full       | 0.69             | 0.65  |                                                    | 0.45  | 4.73 | 5.18     | 17.00 | Pass                         |                                    |            |
| HE160        | MCS0      | 2   | 047 | 6185        | 996/67     | 0.66             | 0.66  |                                                    | -0.51 | 4.73 | 4.21     | 17.00 | Pass                         |                                    |            |
| HE160        | MCS0      | 2   | 079 | 6345        | Full       | 0.69             | 0.65  |                                                    | -1.24 | 4.73 | 3.48     | 17.00 | Pass                         |                                    |            |
| HE160        | MCS0      | 2   | 079 | 6345        | 996/S67    | 0.66             | 0.66  |                                                    | -1.55 | 4.73 | 3.17     | 17.00 | Pass                         |                                    |            |

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

| U-NII-7 MIMO |           |     |     |             |            |                     |        |                       |        |                                |            |
|--------------|-----------|-----|-----|-------------|------------|---------------------|--------|-----------------------|--------|--------------------------------|------------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) |        | 26 dB Bandwidth (MHz) |        | Emission Bandwidth Limit (MHz) | Pass /Fail |
|              |           |     |     |             |            | Ant 6               | Ant 7  | Ant 6                 | Ant 7  |                                |            |
| HE20         | MCS0      | 2   | 117 | 6535        | Full       | 18.88               | 18.83  | 20.93                 | 21.04  | 320.00                         | Pass       |
| HE20         | MCS0      | 2   | 149 | 6695        | Full       | 18.83               | 18.88  | 20.86                 | 21.17  | 320.00                         | Pass       |
| HE20         | MCS0      | 2   | 181 | 6855        | Full       | 18.83               | 18.88  | 20.92                 | 20.67  | 320.00                         | Pass       |
| HE40         | MCS0      | 2   | 123 | 6565        | Full       | 37.66               | 37.76  | 41.07                 | 41.23  | 320.00                         | Pass       |
| HE40         | MCS0      | 2   | 147 | 6685        | Full       | 37.76               | 37.76  | 41.26                 | 41.09  | 320.00                         | Pass       |
| HE40         | MCS0      | 2   | 179 | 6845        | Full       | 37.76               | 37.86  | 40.94                 | 40.85  | 320.00                         | Pass       |
| HE80         | MCS0      | 2   | 135 | 6625        | Full       | 76.60               | 76.84  | 81.57                 | 82.21  | 320.00                         | Pass       |
| HE80         | MCS0      | 2   | 151 | 6705        | Full       | 76.60               | 76.72  | 81.54                 | 81.50  | 320.00                         | Pass       |
| HE80         | MCS0      | 2   | 167 | 6785        | Full       | 76.72               | 76.84  | 81.66                 | 81.98  | 320.00                         | Pass       |
| HE160        | MCS0      | 2   | 143 | 6665        | Full       | 155.60              | 156.08 | 164.02                | 164.93 | 320.00                         | Pass       |

**TEST RESULTS DATA**  
**EIRP Power Table**

| U-NII-7 MIMO |           |     |     |             |            |                       |       |       |          |       |                  |                        |            |
|--------------|-----------|-----|-----|-------------|------------|-----------------------|-------|-------|----------|-------|------------------|------------------------|------------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power (dBm) |       |       | DG (dBi) |       | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
|              |           |     |     |             |            | Ant 6                 | Ant 7 | SUM   | Ant 6    | Ant 7 | SUM              |                        |            |
| HE20         | MCS0      | 2   | 117 | 6535        | Full       | 15.00                 | 14.80 | 17.91 | 1.85     |       | 19.76            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 117 | 6535        | 26/0       | 7.50                  | 9.50  | 11.62 | 1.85     |       | 13.47            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 117 | 6535        | 52/37      | 10.20                 | 9.80  | 13.01 | 1.85     |       | 14.86            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 117 | 6535        | 106/53     | 13.00                 | 12.50 | 15.77 | 1.85     |       | 17.62            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 149 | 6695        | Full       | 14.90                 | 14.80 | 17.86 | 1.85     |       | 19.71            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 149 | 6695        | 26/4       | 7.40                  | 7.70  | 10.56 | 1.85     |       | 12.41            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 149 | 6695        | 52/38      | 9.50                  | 9.40  | 12.46 | 1.85     |       | 14.31            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 149 | 6695        | 106/53     | 12.10                 | 12.30 | 15.21 | 1.85     |       | 17.06            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 181 | 6855        | Full       | 14.70                 | 15.00 | 17.86 | 1.85     |       | 19.71            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 181 | 6855        | 26/8       | 6.00                  | 7.50  | 9.82  | 1.85     |       | 11.67            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 181 | 6855        | 52/40      | 9.20                  | 10.50 | 12.91 | 1.85     |       | 14.76            | 30.00                  | Pass       |
| HE20         | MCS0      | 2   | 181 | 6855        | 106/54     | 12.10                 | 13.40 | 15.81 | 1.85     |       | 17.66            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 123 | 6565        | Full       | 14.80                 | 15.00 | 17.91 | 1.85     |       | 19.76            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 123 | 6565        | 242/61     | 13.70                 | 13.70 | 16.71 | 1.85     |       | 18.56            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 147 | 6685        | Full       | 15.00                 | 14.90 | 17.96 | 1.85     |       | 19.81            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 147 | 6685        | 242/61     | 14.00                 | 14.20 | 17.11 | 1.85     |       | 18.96            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 179 | 6845        | Full       | 14.70                 | 15.00 | 17.86 | 1.85     |       | 19.71            | 30.00                  | Pass       |
| HE40         | MCS0      | 2   | 179 | 6845        | 242/62     | 12.90                 | 14.30 | 16.67 | 1.85     |       | 18.52            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 135 | 6625        | Full       | 14.90                 | 15.00 | 17.96 | 1.85     |       | 19.81            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 135 | 6625        | 484/65     | 14.70                 | 15.00 | 17.86 | 1.85     |       | 19.71            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 151 | 6705        | Full       | 14.90                 | 14.80 | 17.86 | 1.85     |       | 19.71            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 151 | 6705        | 484/65     | 14.10                 | 14.50 | 17.31 | 1.85     |       | 19.16            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 167 | 6785        | Full       | 15.00                 | 14.80 | 17.91 | 1.85     |       | 19.76            | 30.00                  | Pass       |
| HE80         | MCS0      | 2   | 167 | 6785        | 484/66     | 13.80                 | 13.70 | 16.76 | 1.85     |       | 18.61            | 30.00                  | Pass       |
| HE160        | MCS0      | 2   | 143 | 6665        | Full       | 14.80                 | 15.00 | 17.91 | 1.85     |       | 19.76            | 30.00                  | Pass       |
| HE160        | MCS0      | 2   | 143 | 6665        | 996/67     | 14.60                 | 14.90 | 17.76 | 1.85     |       | 19.61            | 30.00                  | Pass       |

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

| U-NII-7 MIMO |           |     |     |             |            |                  |       |                                                    |       |      |          |       |                              |                                    |            |
|--------------|-----------|-----|-----|-------------|------------|------------------|-------|----------------------------------------------------|-------|------|----------|-------|------------------------------|------------------------------------|------------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Duty Factor (dB) |       | Conducted Power Density with Duty Factor (dBm/MHz) |       |      | DG (dBi) |       | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm/MHz) | Pass /Fail |
|              |           |     |     |             |            | Ant 6            | Ant 7 | Ant 6                                              | Ant 7 | SUM  | Ant 6    | Ant 7 | SUM                          |                                    |            |
| HE20         | MCS0      | 2   | 117 | 6535        | Full       | 0.66             | 0.68  |                                                    |       | 6.91 | 4.58     | 11.49 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 117 | 6535        | 26/0       | 0.63             | 0.64  |                                                    |       | 6.74 | 4.58     | 11.32 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 117 | 6535        | 52/37      | 0.64             | 0.64  |                                                    |       | 6.63 | 4.58     | 11.21 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 117 | 6535        | 106/53     | 0.67             | 0.67  |                                                    |       | 6.66 | 4.58     | 11.24 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 149 | 6695        | Full       | 0.66             | 0.68  |                                                    |       | 6.59 | 4.58     | 11.17 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 149 | 6695        | 26/4       | 0.63             | 0.64  |                                                    |       | 6.16 | 4.58     | 10.74 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 149 | 6695        | 52/38      | 0.64             | 0.64  |                                                    |       | 6.21 | 4.58     | 10.79 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 149 | 6695        | 106/53     | 0.67             | 0.67  |                                                    |       | 6.43 | 4.58     | 11.01 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 181 | 6855        | Full       | 0.66             | 0.68  |                                                    |       | 6.45 | 4.58     | 11.03 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 181 | 6855        | 26/8       | 0.63             | 0.64  |                                                    |       | 6.19 | 4.58     | 10.76 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 181 | 6855        | 52/40      | 0.64             | 0.64  |                                                    |       | 6.45 | 4.58     | 11.03 | 17.00                        | Pass                               |            |
| HE20         | MCS0      | 2   | 181 | 6855        | 106/54     | 0.67             | 0.67  |                                                    |       | 6.17 | 4.58     | 10.75 | 17.00                        | Pass                               |            |
| HE40         | MCS0      | 2   | 123 | 6565        | Full       | 0.65             | 0.66  |                                                    |       | 3.83 | 4.58     | 8.41  | 17.00                        | Pass                               |            |
| HE40         | MCS0      | 2   | 123 | 6565        | 242/61     | 0.67             | 0.67  |                                                    |       | 3.65 | 4.58     | 8.23  | 17.00                        | Pass                               |            |
| HE40         | MCS0      | 2   | 147 | 6685        | Full       | 0.65             | 0.66  |                                                    |       | 4.38 | 4.58     | 8.96  | 17.00                        | Pass                               |            |
| HE40         | MCS0      | 2   | 147 | 6685        | 242/61     | 0.67             | 0.67  |                                                    |       | 4.14 | 4.58     | 8.72  | 17.00                        | Pass                               |            |
| HE40         | MCS0      | 2   | 179 | 6845        | Full       | 0.65             | 0.66  |                                                    |       | 3.54 | 4.58     | 8.12  | 17.00                        | Pass                               |            |
| HE40         | MCS0      | 2   | 179 | 6845        | 242/62     | 0.67             | 0.67  |                                                    |       | 3.29 | 4.58     | 7.87  | 17.00                        | Pass                               |            |
| HE80         | MCS0      | 2   | 135 | 6625        | Full       | 0.67             | 0.67  |                                                    |       | 1.91 | 4.58     | 6.49  | 17.00                        | Pass                               |            |
| HE80         | MCS0      | 2   | 135 | 6625        | 484/65     | 0.68             | 0.68  |                                                    |       | 1.78 | 4.58     | 6.36  | 17.00                        | Pass                               |            |
| HE80         | MCS0      | 2   | 151 | 6705        | Full       | 0.67             | 0.67  |                                                    | 1.49  | 4.58 | 6.07     | 17.00 | Pass                         |                                    |            |
| HE80         | MCS0      | 2   | 151 | 6705        | 484/65     | 0.68             | 0.68  |                                                    | 1.46  | 4.58 | 6.04     | 17.00 | Pass                         |                                    |            |
| HE80         | MCS0      | 2   | 167 | 6785        | Full       | 0.67             | 0.67  |                                                    | 1.45  | 4.58 | 6.03     | 17.00 | Pass                         |                                    |            |
| HE80         | MCS0      | 2   | 167 | 6785        | 484/66     | 0.68             | 0.68  |                                                    | 1.30  | 4.58 | 5.88     | 17.00 | Pass                         |                                    |            |
| HE160        | MCS0      | 2   | 143 | 6665        | Full       | 0.69             | 0.65  |                                                    | -1.04 | 4.58 | 3.54     | 17.00 | Pass                         |                                    |            |
| HE160        | MCS0      | 2   | 143 | 6665        | 996/67     | 0.66             | 0.66  |                                                    | -1.45 | 4.58 | 3.13     | 17.00 | Pass                         |                                    |            |



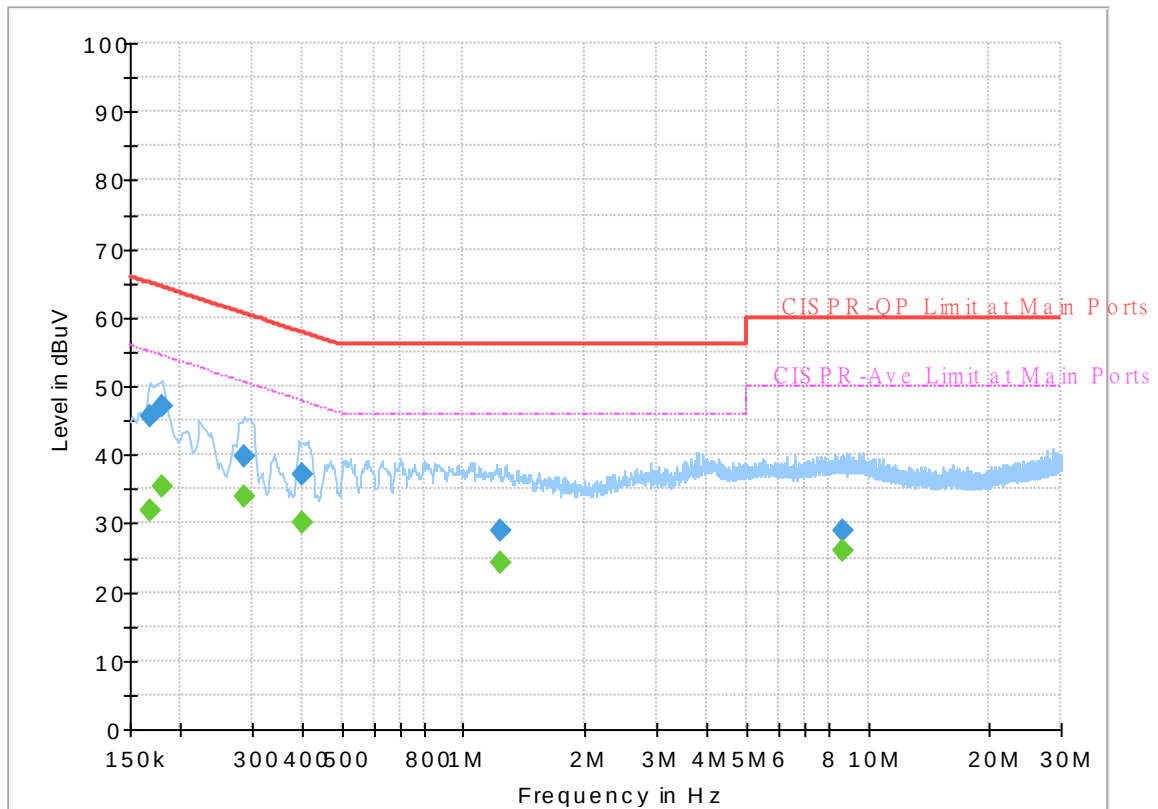
## **Appendix B. AC Conducted Emission Test Results**

|                        |             |                            |         |
|------------------------|-------------|----------------------------|---------|
| <b>Test Engineer :</b> | Calvin Wang | <b>Temperature :</b>       | 23~26°C |
|                        |             | <b>Relative Humidity :</b> | 45~55%  |

## EUT Information

Report NO : 3N2802  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Line

Full Spectrum



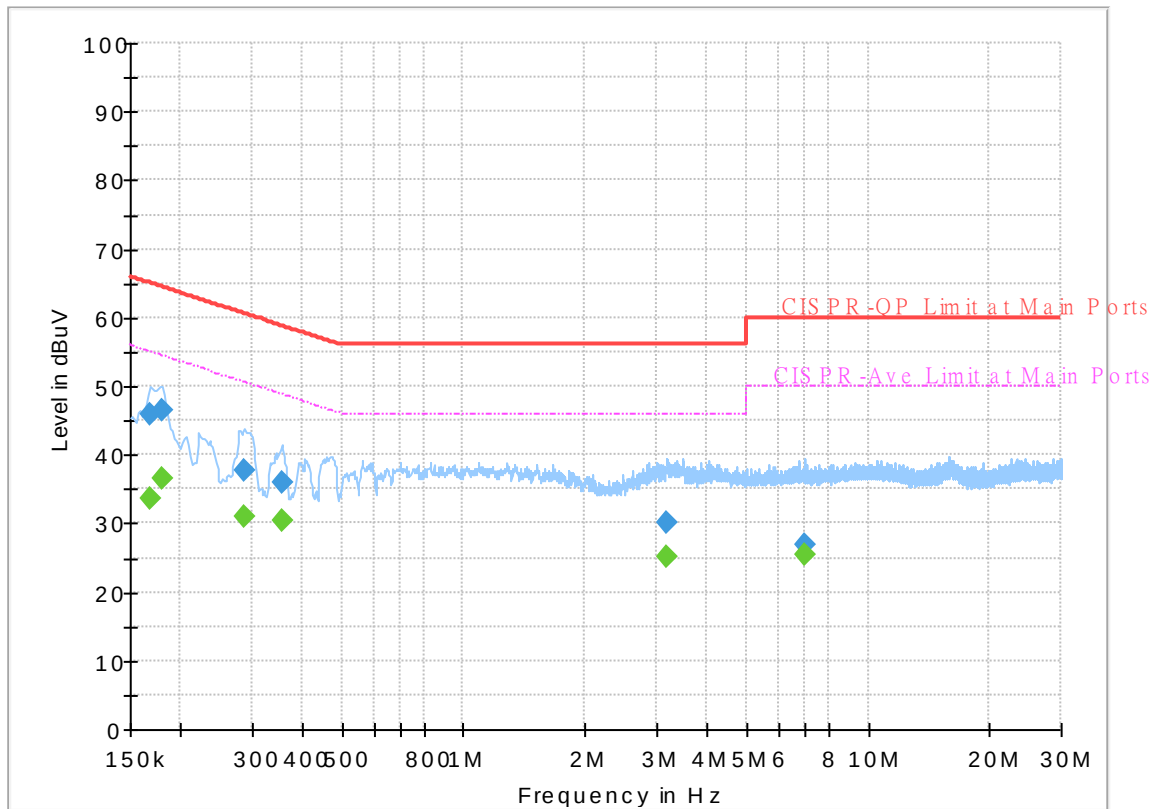
## Final Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.168000        | ---              | 31.90           | 55.06        | 23.16       | L1   | OFF    | 19.9       |
| 0.168000        | 45.68            | ---             | 65.06        | 19.38       | L1   | OFF    | 19.9       |
| 0.179250        | ---              | 35.35           | 54.52        | 19.17       | L1   | OFF    | 19.9       |
| 0.179250        | 46.94            | ---             | 64.52        | 17.58       | L1   | OFF    | 19.9       |
| 0.287250        | ---              | 34.06           | 50.60        | 16.54       | L1   | OFF    | 19.9       |
| 0.287250        | 39.85            | ---             | 60.60        | 20.75       | L1   | OFF    | 19.9       |
| 0.399750        | ---              | 30.11           | 47.86        | 17.75       | L1   | OFF    | 19.9       |
| 0.399750        | 37.16            | ---             | 57.86        | 20.70       | L1   | OFF    | 19.9       |
| 1.234500        | ---              | 24.41           | 46.00        | 21.59       | L1   | OFF    | 19.9       |
| 1.234500        | 29.08            | ---             | 56.00        | 26.92       | L1   | OFF    | 19.9       |
| 8.621250        | ---              | 26.11           | 50.00        | 23.89       | L1   | OFF    | 20.1       |
| 8.621250        | 28.83            | ---             | 60.00        | 31.17       | L1   | OFF    | 20.1       |

## EUT Information

Report NO : 3N2802  
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) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.168000        | ---              | 33.53           | 55.06        | 21.53       | N    | OFF    | 19.9       |
| 0.168000        | 45.87            | ---             | 65.06        | 19.19       | N    | OFF    | 19.9       |
| 0.179250        | ---              | 36.46           | 54.52        | 18.06       | N    | OFF    | 19.9       |
| 0.179250        | 46.48            | ---             | 64.52        | 18.04       | N    | OFF    | 19.9       |
| 0.287250        | ---              | 31.01           | 50.60        | 19.59       | N    | OFF    | 19.9       |
| 0.287250        | 37.64            | ---             | 60.60        | 22.96       | N    | OFF    | 19.9       |
| 0.354750        | ---              | 30.41           | 48.85        | 18.44       | N    | OFF    | 19.9       |
| 0.354750        | 36.04            | ---             | 58.85        | 22.81       | N    | OFF    | 19.9       |
| 3.185250        | ---              | 25.15           | 46.00        | 20.85       | N    | OFF    | 20.0       |
| 3.185250        | 30.12            | ---             | 56.00        | 25.88       | N    | OFF    | 20.0       |
| 7.010250        | ---              | 25.36           | 50.00        | 24.64       | N    | OFF    | 20.1       |
| 7.010250        | 26.98            | ---             | 60.00        | 33.02       | N    | OFF    | 20.1       |



## Appendix C. Radiated Spurious Emission

|                 |                                   |                     |             |
|-----------------|-----------------------------------|---------------------|-------------|
| Test Engineer : | Jack Tsai, Gary Guo and Steven Wu | Temperature :       | 18.2~20.2°C |
|                 |                                   | Relative Humidity : | 54.2~56.1%  |

## Band 5 - 5925~6425MHz

## 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.    |
|-----------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 6+7                         |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 01<br>5955MHz |                                                                                             | 5916.84   | 57.9       | -30.3  | 88.2       | 40.83      | 34.2           | 12.3      | 29.43         | 220     | 48        | P         | H       |
|                             |                                                                                             | 5924.52   | 49.08      | -19.12 | 68.2       | 31.99      | 34.2           | 12.32     | 29.43         | 220     | 48        | A         | H       |
|                             | *                                                                                           | 5955      | 113.18     | -      | -          | 96.05      | 34.18          | 12.39     | 29.44         | 220     | 48        | P         | H       |
|                             | *                                                                                           | 5955      | 107.22     | -      | -          | 90.09      | 34.18          | 12.39     | 29.44         | 220     | 48        | A         | H       |
|                             |                                                                                             |           |            |        |            |            |                |           |               |         |           |           | H       |
|                             |                                                                                             |           |            |        |            |            |                |           |               |         |           |           | H       |
|                             |                                                                                             | 5867.56   | 56.19      | -32.01 | 88.2       | 39.36      | 34.07          | 12.18     | 29.42         | 244     | 27        | P         | V       |
|                             |                                                                                             | 5921      | 48.01      | -20.19 | 68.2       | 30.93      | 34.2           | 12.31     | 29.43         | 244     | 27        | A         | V       |
|                             | *                                                                                           | 5955      | 109.63     | -      | -          | 92.5       | 34.18          | 12.39     | 29.44         | 244     | 27        | P         | V       |
|                             | *                                                                                           | 5955      | 102.85     | -      | -          | 85.72      | 34.18          | 12.39     | 29.44         | 244     | 27        | A         | V       |
|                             |                                                                                             |           |            |        |            |            |                |           |               |         |           |           | V       |
|                             |                                                                                             |           |            |        |            |            |                |           |               |         |           |           | V       |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |            |                |           |               |         |           |           |         |

**Band 5 5925~6425MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

| WIFI<br>Ant.<br>6+7                  | 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 01<br/>5955MHz</b> |      | 11910                | 47.5                | -26.5            | 74                          | 57                      | 38.72                         | 17.97                  | 66.19                      | -                    | -                       | P                     | H             |
|                                      |      | 17865                | 52.11               | -21.89           | 74                          | 53.41                   | 41.31                         | 22.24                  | 64.85                      | 100                  | 160                     | P                     | H             |
|                                      |      | 17865                | 43.23               | -10.77           | 54                          | 44.53                   | 41.31                         | 22.24                  | 64.85                      | 100                  | 160                     | A                     | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |      | 11910                | 46.88               | -27.12           | 74                          | 56.38                   | 38.72                         | 17.97                  | 66.19                      | -                    | -                       | P                     | V             |
|                                      |      | 17865                | 52.67               | -21.33           | 74                          | 53.97                   | 41.31                         | 22.24                  | 64.85                      | 100                  | 259                     | P                     | V             |
|                                      |      | 17865                | 43.1                | -10.9            | 54                          | 44.4                    | 41.31                         | 22.24                  | 64.85                      | 100                  | 259                     | A                     | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |



| WIFI<br>Ant.<br>6+7         | 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 49<br>6195MHz |      | 12390                | 47.16               | -26.84           | 74                          | 56.08                   | 38.9                          | 18.23                  | 66.05                      | -                    | -                       | P                     | H             |
|                             |      | 18585                | 36.38               | -37.62           | 74                          | 57.27                   | 38.27                         | -3.51                  | 55.65                      | -                    | -                       | P                     | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      | 12390                | 47.7                | -26.3            | 74                          | 56.62                   | 38.9                          | 18.23                  | 66.05                      | -                    | -                       | P                     | V             |
|                             |      | 18585                | 37.2                | -36.8            | 74                          | 58.09                   | 38.27                         | -3.51                  | 55.65                      | -                    | -                       | P                     | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |



| WIFI<br>Ant.<br>6+7         | 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>(H/V) |
|-----------------------------|------|--------------------------|-------------------------|----------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11a<br>CH 93<br>6415MHz |      | 12830                    | 48.63                   | -39.57               | 88.2                        | 56.27                   | 39.8                          | 18.46                  | 65.9                       | -                    | -                       | P                     | H             |
|                             |      | 19245                    | 37.21                   | -36.79               | 74                          | 57.85                   | 38                            | -3.34                  | 55.3                       | -                    | -                       | P                     | H             |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |      | 12830                    | 48.74                   | -39.46               | 88.2                        | 56.38                   | 39.8                          | 18.46                  | 65.9                       | -                    | -                       | P                     | V             |
|                             |      | 19245                    | 37.27                   | -36.73               | 74                          | 57.91                   | 38                            | -3.34                  | 55.3                       | -                    | -                       | 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                     |               |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         | V                     |               |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         | V                     |               |
|                             |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 5 5925~6425MHz

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

| WIFI<br>Ant.<br>6+7                       | 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 01<br>5955MHz |                                                                                             | 5865.96              | 57.07               | -31.13           | 88.2                        | 40.26                   | 34.06                         | 12.17                  | 29.42                      | 271                  | 53                      | P                     | H             |
|                                           |                                                                                             | 5925                 | 48.28               | -19.92           | 68.2                        | 31.2                    | 34.2                          | 12.32                  | 29.44                      | 271                  | 53                      | A                     | H             |
|                                           |                                                                                             | 5761.6               | 59.46               | -28.74           | 88.2                        | 43.13                   | 33.75                         | 11.98                  | 29.4                       | 230                  | 57                      | P                     | H             |
|                                           | *                                                                                           | 5955                 | 113.23              | -                | -                           | 96.1                    | 34.18                         | 12.39                  | 29.44                      | 271                  | 53                      | P                     | H             |
|                                           |                                                                                             | 5761.6               | 50.56               | -17.64           | 68.2                        | 34.23                   | 33.75                         | 11.98                  | 29.4                       | 230                  | 57                      | A                     | H             |
|                                           | *                                                                                           | 5955                 | 106.49              | -                | -                           | 89.36                   | 34.18                         | 12.39                  | 29.44                      | 271                  | 53                      | A                     | H             |
|                                           |                                                                                             | 5909.8               | 56.9                | -31.3            | 88.2                        | 39.85                   | 34.2                          | 12.28                  | 29.43                      | 227                  | 107                     | P                     | V             |
|                                           |                                                                                             | 5924.52              | 47.85               | -20.35           | 68.2                        | 30.76                   | 34.2                          | 12.32                  | 29.43                      | 227                  | 107                     | A                     | V             |
|                                           | *                                                                                           | 5955                 | 108.75              | -                | -                           | 91.62                   | 34.18                         | 12.39                  | 29.44                      | 227                  | 107                     | P                     | V             |
|                                           | *                                                                                           | 5955                 | 103.08              | -                | -                           | 85.95                   | 34.18                         | 12.39                  | 29.44                      | 227                  | 107                     | A                     | V             |
|                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |

## Band 5 5925~6425MHz

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

[illegible]



| WIFI<br>Ant.<br>6+7                                 | 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 49<br/>6195MHz</b> |      | 12390                | 47.48               | -26.52           | 74                          | 56.4                    | 38.9                          | 18.23                  | 66.05                      | -                    | -                       | P                     | H             |
|                                                     |      | 18585                | 38.5                | -35.5            | 74                          | 59.39                   | 38.27                         | -3.51                  | 55.65                      | -                    | -                       | P                     | H             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                     |      | 12390                | 47.32               | -26.68           | 74                          | 56.24                   | 38.9                          | 18.23                  | 66.05                      | -                    | -                       | P                     | V             |
|                                                     |      | 18585                | 36.56               | -37.44           | 74                          | 57.45                   | 38.27                         | -3.51                  | 55.65                      | -                    | -                       | P                     | V             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                     |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

[illegible]



## Band 5 5925~6425MHz

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

| WIFI<br>Ant.<br>6+7                                       | 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<br>Partial<br>106/53<br>CH 01<br>5955MHz |                                                                                             | 5916.84              | 68.31               | -19.89           | 88.2                        | 51.24                   | 34.2                          | 12.3                   | 29.43                      | 215                  | 36                      | P                     | H             |
|                                                           |                                                                                             | 5924.84              | 57.76               | -10.44           | 68.2                        | 40.67                   | 34.2                          | 12.32                  | 29.43                      | 215                  | 36                      | A                     | H             |
|                                                           | *                                                                                           | 5955                 | 114.17              | -                | -                           | 97.04                   | 34.18                         | 12.39                  | 29.44                      | 215                  | 36                      | P                     | H             |
|                                                           | *                                                                                           | 5955                 | 106.29              | -                | -                           | 89.16                   | 34.18                         | 12.39                  | 29.44                      | 215                  | 36                      | A                     | H             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                           |                                                                                             | 5919.4               | 69.38               | -18.82           | 88.2                        | 52.31                   | 34.2                          | 12.3                   | 29.43                      | 283                  | 101                     | P                     | V             |
|                                                           |                                                                                             | 5925                 | 57.09               | -11.11           | 68.2                        | 40.01                   | 34.2                          | 12.32                  | 29.44                      | 283                  | 101                     | A                     | V             |
|                                                           | *                                                                                           | 5955                 | 109.85              | -                | -                           | 92.72                   | 34.18                         | 12.39                  | 29.44                      | 283                  | 101                     | P                     | V             |
|                                                           | *                                                                                           | 5955                 | 104.72              | -                | -                           | 87.59                   | 34.18                         | 12.39                  | 29.44                      | 283                  | 101                     | A                     | V             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 5 5925~6425MHz

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

| WIFI<br>Ant.<br>6+7                       | 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 03<br>5965MHz |                                                                                             | 5924.84              | 60.96               | -27.24           | 88.2                        | 43.87                   | 34.2                          | 12.32                  | 29.43                      | 239                  | 54                      | P                     | H             |
|                                           |                                                                                             | 5923.24              | 52.4                | -15.8            | 68.2                        | 35.32                   | 34.2                          | 12.31                  | 29.43                      | 239                  | 54                      | A                     | H             |
|                                           |                                                                                             | 5761.6               | 59.39               | -28.81           | 88.2                        | 43.06                   | 33.75                         | 11.98                  | 29.4                       | 236                  | 53                      | P                     | H             |
|                                           | *                                                                                           | 5965                 | 110.53              | -                | -                           | 93.42                   | 34.14                         | 12.41                  | 29.44                      | 239                  | 54                      | P                     | H             |
|                                           | *                                                                                           | 5965                 | 104.1               | -                | -                           | 86.99                   | 34.14                         | 12.41                  | 29.44                      | 239                  | 54                      | A                     | H             |
|                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                                             | 5924.2               | 57.55               | -30.65           | 88.2                        | 40.47                   | 34.2                          | 12.31                  | 29.43                      | 225                  | 111                     | P                     | V             |
|                                           |                                                                                             | 5925                 | 50.12               | -18.08           | 68.2                        | 33.04                   | 34.2                          | 12.32                  | 29.44                      | 225                  | 111                     | A                     | V             |
|                                           | *                                                                                           | 5965                 | 106.97              | -                | -                           | 89.86                   | 34.14                         | 12.41                  | 29.44                      | 225                  | 111                     | P                     | V             |
|                                           | *                                                                                           | 5965                 | 100.52              | -                | -                           | 83.41                   | 34.14                         | 12.41                  | 29.44                      | 225                  | 111                     | A                     | V             |
|                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |

## Band 5 5925~6425MHz

### WIFI 802.11ax HE40 Full (Harmonic @ 3m)

[illegible]



| WIFI<br>Ant.<br>6+7                       | 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 51<br>6205MHz |      | 12410                | 47.82               | -26.18           | 74                          | 56.73                   | 38.9                          | 18.24                  | 66.05                      | -                    | -                       | P                     | H             |
|                                           |      | 18615                | 36.52               | -37.48           | 74                          | 57.41                   | 38.24                         | -3.5                   | 55.63                      | -                    | -                       | P                     | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |      | 12410                | 47.62               | -26.38           | 74                          | 56.53                   | 38.9                          | 18.24                  | 66.05                      | -                    | -                       | P                     | V             |
|                                           |      | 18615                | 36.54               | -37.46           | 74                          | 57.43                   | 38.24                         | -3.5                   | 55.63                      | -                    | -                       | P                     | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

| WIFI<br>Ant.<br>6+7                       | 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 91<br>6405MHz |      | 12810                    | 48.97                   | -39.23               | 88.2                        | 56.62                   | 39.8                          | 18.46                  | 65.91                      | -                    | -                       | P                     | H                 |
|                                           |      | 19215                    | 35.97                   | -38.03               | 74                          | 56.63                   | 38                            | -3.35                  | 55.31                      | -                    | -                       | 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                     |                   |
|                                           |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         | H                     |                   |
|                                           | </   |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       |                   |



## Band 5 5925~6425MHz

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

| WIFI<br>Ant.<br>6+7                                       | 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<br>Partial<br>242/61<br>CH 03<br>5965MHz |                                                                                             | 5920.36              | 75.51               | -12.69           | 88.2                        | 58.44                   | 34.2                          | 12.3                   | 29.43                      | 100                  | 115                     | P                     | H             |
|                                                           |                                                                                             | 5920.36              | 56.91               | -11.29           | 68.2                        | 39.84                   | 34.2                          | 12.3                   | 29.43                      | 100                  | 115                     | A                     | H             |
|                                                           | *                                                                                           | 5965                 | 112.25              | -                | -                           | 95.14                   | 34.14                         | 12.41                  | 29.44                      | 100                  | 115                     | P                     | H             |
|                                                           | *                                                                                           | 5965                 | 103.54              | -                | -                           | 86.43                   | 34.14                         | 12.41                  | 29.44                      | 100                  | 115                     | A                     | H             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                           |                                                                                             | 5916.2               | 71.03               | -17.17           | 88.2                        | 53.97                   | 34.2                          | 12.29                  | 29.43                      | 283                  | 101                     | P                     | V             |
|                                                           |                                                                                             | 5920.36              | 54.97               | -13.23           | 68.2                        | 37.9                    | 34.2                          | 12.3                   | 29.43                      | 283                  | 101                     | A                     | V             |
|                                                           | *                                                                                           | 5965                 | 108.73              | -                | -                           | 91.62                   | 34.14                         | 12.41                  | 29.44                      | 283                  | 101                     | P                     | V             |
|                                                           | *                                                                                           | 5965                 | 101.11              | -                | -                           | 84                      | 34.14                         | 12.41                  | 29.44                      | 283                  | 101                     | A                     | V             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 5 5925~6425MHz

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

| WIFI<br>Ant.<br>6+7                       | 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 07<br>5985MHz |                                                                                             | 5894.44              | 57.87               | -30.33           | 88.2                        | 40.88                   | 34.18                         | 12.24                  | 29.43                      | 262                  | 56                      | P                     | H             |
|                                           |                                                                                             | 5924.2               | 50.82               | -17.38           | 68.2                        | 33.74                   | 34.2                          | 12.31                  | 29.43                      | 262                  | 56                      | A                     | H             |
|                                           | *                                                                                           | 5985                 | 109.58              | -                | -                           | 92.51                   | 34.06                         | 12.46                  | 29.45                      | 262                  | 56                      | P                     | H             |
|                                           | *                                                                                           | 5985                 | 100.77              | -                | -                           | 83.7                    | 34.06                         | 12.46                  | 29.45                      | 262                  | 56                      | A                     | H             |
|                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                                             | 5921.64              | 56.93               | -31.27           | 88.2                        | 39.85                   | 34.2                          | 12.31                  | 29.43                      | 262                  | 105                     | P                     | V             |
|                                           |                                                                                             | 5925                 | 48.85               | -19.35           | 68.2                        | 31.77                   | 34.2                          | 12.32                  | 29.44                      | 262                  | 105                     | A                     | V             |
|                                           | *                                                                                           | 5985                 | 104.6               | -                | -                           | 87.53                   | 34.06                         | 12.46                  | 29.45                      | 262                  | 105                     | P                     | V             |
|                                           | *                                                                                           | 5985                 | 97.98               | -                | -                           | 80.91                   | 34.06                         | 12.46                  | 29.45                      | 262                  | 105                     | A                     | V             |
|                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |

## Band 5 5925~6425MHz

### WIFI 802.11ax HE80 Full (Harmonic @ 3m)

[illegible]



| WIFI<br>Ant.<br>6+7                                                   | 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>HE80 Full</b><br><b>CH 55</b><br><b>6225MHz</b> |      | 12450                | 47.86               | -26.14           | 74                          | 56.73                   | 38.9                          | 18.27                  | 66.04                      | -                    | -                       | P                     | H             |
|                                                                       |      | 18675                | 36.5                | -37.5            | 74                          | 57.64                   | 37.95                         | -3.49                  | 55.6                       | -                    | -                       | P                     | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                       |      | 12450                | 46.73               | -27.27           | 74                          | 55.6                    | 38.9                          | 18.27                  | 66.04                      | -                    | -                       | P                     | V             |
|                                                                       |      | 18675                | 36.92               | -37.08           | 74                          | 58.06                   | 37.95                         | -3.49                  | 55.6                       | -                    | -                       | P                     | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

[illegible]


**Band 5 5925~6425MHz**
**WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>6+7                                       | 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<br>Partial<br>484/65<br>CH 07<br>5985MHz |                                                                                             | 5922.28              | 78.83               | -9.37            | 88.2                        | 61.75                   | 34.2                          | 12.31                  | 29.43                      | 100                  | 119                     | P                     | H             |
|                                                           |                                                                                             | 5920.68              | 60.78               | -7.42            | 68.2                        | 43.7                    | 34.2                          | 12.31                  | 29.43                      | 100                  | 119                     | A                     | H             |
|                                                           | *                                                                                           | 5985                 | 109.24              | -                | -                           | 92.17                   | 34.06                         | 12.46                  | 29.45                      | 100                  | 119                     | P                     | H             |
|                                                           | *                                                                                           | 5985                 | 101.21              | -                | -                           | 84.14                   | 34.06                         | 12.46                  | 29.45                      | 100                  | 119                     | A                     | H             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                           |                                                                                             | 5915.56              | 76.2                | -12              | 88.2                        | 59.14                   | 34.2                          | 12.29                  | 29.43                      | 308                  | 102                     | P                     | V             |
|                                                           |                                                                                             | 5920.68              | 59.08               | -9.12            | 68.2                        | 42                      | 34.2                          | 12.31                  | 29.43                      | 308                  | 102                     | A                     | V             |
|                                                           | *                                                                                           | 5985                 | 105.78              | -                | -                           | 88.71                   | 34.06                         | 12.46                  | 29.45                      | 308                  | 102                     | P                     | V             |
|                                                           | *                                                                                           | 5985                 | 99.23               | -                | -                           | 82.16                   | 34.06                         | 12.46                  | 29.45                      | 308                  | 102                     | A                     | V             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                           |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 5 5925~6425MHz

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

| WIFI<br>Ant.<br>6+7                        | 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 15<br>6025MHz |                                                                                             | 5898.6               | 63.98               | -24.22           | 88.2                        | 46.97                     | 34.19                         | 12.25                  | 29.43                      | 220                  | 122                     | P                       | H               |
|                                            |                                                                                             | 5898.28              | 53.91               | -14.29           | 68.2                        | 36.9                      | 34.19                         | 12.25                  | 29.43                      | 220                  | 122                     | A                       | H               |
|                                            | *                                                                                           | 6025                 | 105.71              | -                | -                           | 88.66                     | 34.05                         | 12.47                  | 29.47                      | 220                  | 122                     | P                       | H               |
|                                            | *                                                                                           | 6025                 | 98.35               | -                | -                           | 81.3                      | 34.05                         | 12.47                  | 29.47                      | 220                  | 122                     | A                       | H               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                             | 5898.6               | 59.8                | -28.4            | 88.2                        | 42.79                     | 34.19                         | 12.25                  | 29.43                      | 283                  | 102                     | P                       | V               |
|                                            |                                                                                             | 5902.76              | 51.76               | -16.44           | 68.2                        | 34.73                     | 34.2                          | 12.26                  | 29.43                      | 283                  | 102                     | A                       | V               |
|                                            | *                                                                                           | 6025                 | 103.23              | -                | -                           | 86.18                     | 34.05                         | 12.47                  | 29.47                      | 283                  | 102                     | P                       | V               |
|                                            | *                                                                                           | 6025                 | 94.9                | -                | -                           | 77.85                     | 34.05                         | 12.47                  | 29.47                      | 283                  | 102                     | A                       | V               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## Band 5 5925~6425MHz

## WIFI 802.11ax HE160 Full (Harmonic @ 3m)

[illegible]



**Report No. : FR3N2802I**

[illegible]

[illegible]


**Band 5 5925~6425MHz**
**WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>6+7                                                    | 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/>HE160<br/>Partial<br/>996/67<br/>CH 15<br/>6025MHz</b> |                                                                                             | 5907.24              | 82.75               | -5.45            | 88.2                        | 65.71                   | 34.2                          | 12.27                  | 29.43                      | 222                  | 56                      | P                     | H             |
|                                                                        |                                                                                             | 5898.92              | 64.7                | -3.5             | 68.2                        | 47.68                   | 34.2                          | 12.25                  | 29.43                      | 222                  | 56                      | A                     | H             |
|                                                                        | *                                                                                           | 6025                 | 108.02              | -                | -                           | 90.97                   | 34.05                         | 12.47                  | 29.47                      | 222                  | 56                      | P                     | H             |
|                                                                        | *                                                                                           | 6025                 | 99.32               | -                | -                           | 82.27                   | 34.05                         | 12.47                  | 29.47                      | 222                  | 56                      | A                     | H             |
|                                                                        |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |                                                                                             |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |                                                                                             | 5907.24              | 78.52               | -9.68            | 88.2                        | 61.48                   | 34.2                          | 12.27                  | 29.43                      | 300                  | 98                      | P                     | V             |
|                                                                        |                                                                                             | 5898.92              | 61.35               | -6.85            | 68.2                        | 44.33                   | 34.2                          | 12.25                  | 29.43                      | 300                  | 98                      | A                     | V             |
|                                                                        | *                                                                                           | 6025                 | 104.85              | -                | -                           | 87.8                    | 34.05                         | 12.47                  | 29.47                      | 300                  | 98                      | P                     | V             |
|                                                                        | *                                                                                           | 6025                 | 95.85               | -                | -                           | 78.8                    | 34.05                         | 12.47                  | 29.47                      | 300                  | 98                      | 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 7 - 6525~6875MHz****WIFI 802.11a Full (Harmonic @ 3m)**

| WIFI                                              | Note | Frequency | Level      | Margin | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|---------------------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                              |      |           |            |        | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 6+7                                               |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11a</b><br><b>CH 117</b><br><b>6535MHz</b> |      | 13070     | 49.03      | -39.17 | 88.2       | 56.4   | 39.86    | 18.63  | 65.86  | -      | -       | P     | H     |
|                                                   |      | 19605     | 35.03      | -38.97 | 74         | 55.19  | 38.27    | -3.27  | 55.16  | -      | -       | P     | H     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                                   |      | 13070     | 48.98      | -39.22 | 88.2       | 56.35  | 39.86    | 18.63  | 65.86  | -      | -       | P     | V     |
|                                                   |      | 19605     | 35.53      | -38.47 | 74         | 55.69  | 38.27    | -3.27  | 55.16  | -      | -       | P     | V     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                                   |      |           |            |        |            |        |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>6+7                   | 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 149<br/>6695MHz</b> |      | 13390                | 49.4                | -24.6            | 74                          | 56.14                   | 40.3                          | 18.95                  | 65.99                      | -                    | -                       | P                     | H             |
|                                       |      | 13390                | 40.48               | -13.52           | 54                          | 47.22                   | 40.3                          | 18.95                  | 65.99                      | -                    | -                       | A                     | H             |
|                                       |      | 20085                | 34.27               | -39.73           | 74                          | 54.59                   | 38.03                         | -3.35                  | 55                         | -                    | -                       | P                     | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |      | 13390                | 49.2                | -24.8            | 74                          | 55.94                   | 40.3                          | 18.95                  | 65.99                      | -                    | -                       | P                     | V             |
|                                       |      | 13390                | 40.62               | -13.38           | 54                          | 47.36                   | 40.3                          | 18.95                  | 65.99                      | -                    | -                       | A                     | V             |
|                                       |      | 20085                | 34.33               | -39.67           | 74                          | 54.65                   | 38.03                         | -3.35                  | 55                         | -                    | -                       | P                     | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

[illegible]

**Band 7 - 6525~6875MHz**  
**WIFI 802.11ax HE20 Full (Harmonic @ 3m)**

[illegible]



| WIFI<br>Ant.<br>6+7                                  | 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/>6695MHz</b> |      | 13390                | 49.04               | -24.96           | 74                          | 55.78                   | 40.3                          | 18.95                  | 65.99                      | -                    | -                       | P                     | H             |
|                                                      |      | 13390                | 39.7                | -14.3            | 54                          | 46.44                   | 40.3                          | 18.95                  | 65.99                      | -                    | -                       | A                     | H             |
|                                                      |      | 20085                | 34.2                | -39.8            | 74                          | 54.52                   | 38.03                         | -3.35                  | 55                         | -                    | -                       | P                     | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      | 13390                | 49.25               | -24.75           | 74                          | 55.99                   | 40.3                          | 18.95                  | 65.99                      | -                    | -                       | P                     | V             |
|                                                      |      | 13390                | 39.83               | -14.17           | 54                          | 46.57                   | 40.3                          | 18.95                  | 65.99                      | -                    | -                       | A                     | V             |
|                                                      |      | 20085                | 33.4                | -40.6            | 74                          | 53.72                   | 38.03                         | -3.35                  | 55                         | -                    | -                       | P                     | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

[illegible]

**Band 7 - 6525~6875MHz**  
**WIFI 802.11ax HE40 Full (Harmonic @ 3m)**

[illegible]

[illegible]



| WIFI<br>Ant.<br>6+7                        | 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 179<br>6845MHz |                                                                                                                                         | 13690                | 48.89               | -39.31           | 88.2                        | 54.76                   | 40.48                         | 19.25                  | 65.6                       | -                    | -                       | P                     | H             |
|                                            |                                                                                                                                         | 20535                | 36.27               | -37.73           | 74                          | 56.53                   | 38                            | -3.27                  | 54.99                      | -                    | -                       | P                     | H             |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                            |                                                                                                                                         | 13690                | 48.63               | -39.57           | 88.2                        | 54.5                    | 40.48                         | 19.25                  | 65.6                       | -                    | -                       | P                     | V             |
|                                            |                                                                                                                                         | 20535                | 34.38               | -39.62           | 74                          | 54.64                   | 38                            | -3.27                  | 54.99                      | -                    | -                       | 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 7 - 6525~6875MHz**  
**WIFI 802.11ax HE80 Full (Harmonic @ 3m)**

| WIFI<br>Ant.<br>6+7                                  | 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 135<br/>6625MHz</b> |      | 13250                | 50.09               | -23.91           | 74                          | 57.41                   | 39.8                          | 18.81                  | 65.93                      | 357                  | 161                     | P                     | H             |
|                                                      |      | 13250                | 40.48               | -13.52           | 54                          | 47.8                    | 39.8                          | 18.81                  | 65.93                      | 357                  | 161                     | A                     | H             |
|                                                      |      | 19875                | 34.2                | -39.8            | 74                          | 54.48                   | 38.1                          | -3.33                  | 55.05                      | -                    | -                       | P                     | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                      |      | 13250                | 49.59               | -24.41           | 74                          | 56.91                   | 39.8                          | 18.81                  | 65.93                      | 181                  | 216                     | P                     | V             |
|                                                      |      | 13250                | 40.28               | -13.72           | 54                          | 47.6                    | 39.8                          | 18.81                  | 65.93                      | 181                  | 216                     | A                     | V             |
|                                                      |      | 19875                | 35                  | -39              | 74                          | 55.28                   | 38.1                          | -3.33                  | 55.05                      | -                    | -                       | P                     | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                      |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |



| WIFI<br>Ant.<br>6+7                                                    | 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>HE80 Full</b><br><b>CH 151</b><br><b>6705MHz</b> |      | 13410                | 50.98               | -37.22           | 88.2                        | 57.7                    | 40.3                          | 18.97                  | 65.99                      | 238                  | 210                     | P                     | H             |
|                                                                        |      | 13410                | 40.3                | -27.9            | 68.2                        | 47.02                   | 40.3                          | 18.97                  | 65.99                      | 238                  | 210                     | A                     | H             |
|                                                                        |      | 20115                | 34.79               | -39.21           | 74                          | 55.1                    | 38.03                         | -3.34                  | 55                         | -                    | -                       | P                     | H             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                                        |      | 13410                | 49.59               | -38.61           | 88.2                        | 56.31                   | 40.3                          | 18.97                  | 65.99                      | 371                  | 230                     | P                     | V             |
|                                                                        |      | 13410                | 40.55               | -27.65           | 68.2                        | 47.27                   | 40.3                          | 18.97                  | 65.99                      | 371                  | 230                     | A                     | V             |
|                                                                        |      | 20115                | 35.42               | -38.58           | 74                          | 55.73                   | 38.03                         | -3.34                  | 55                         | -                    | -                       | P                     | V             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                                        |      |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       | V             |

| WIFI<br>Ant.<br>6+7                        | 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>HE80 Full<br>CH 167<br>6785MHz |      | 13570                    | 50.51                   | -37.69               | 88.2                        | 56.36                   | 40.66                         | 19.13                  | 65.64                      | -                    | -                       | P                     | H                 |
|                                            |      | 20355                    | 35.69                   | -38.31               | 74                          | 56.09                   | 37.91                         | -3.31                  | 55                         | -                    | -                       | P                     | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         |                       | H                 |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      |                         | H                     |                   |
| 802.11ax<br>HE80 Full<br>CH 167<br>6785MHz |      | 13570                    | 50.53                   | -37.67               | 88.2                        | 56.38                   | 40.66                         | 19.13                  | 65.64                      | -                    | -                       | P                     | V                 |
|                                            |      | 20355                    | 34.96                   | -39.04               | 74                          | 55.36                   | 37.91                         | -3.31                  | 55                         | -                    | -                       | 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                     |                   |
|                                            |      |                          |                         |                      |                             |                         |                               |                        |                            |                      | </                      |                       |                   |

**Band 7 - 6525~6875MHz**  
**WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

[illegible]

## Emission below 1GHz

## WIFI 802.11ax HE20 Full (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.  |       |
| 6+7                         |                                                                                                                                                                                                                                                  | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ax<br>HE20 Full<br>LF |                                                                                                                                                                                                                                                  | 32.43     | 22.76      | -17.24 | 40         | 31.04  | 23.42    | 0.75   | 32.45  | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  | 187.95    | 22.17      | -21.33 | 43.5       | 37.67  | 14.91    | 1.95   | 32.36  | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  | 266.25    | 20.56      | -25.44 | 46         | 31     | 19.58    | 2.4    | 32.42  | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  | 421.8     | 26.27      | -19.73 | 46         | 32.95  | 22.73    | 3.1    | 32.51  | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  | 773.9     | 30.73      | -15.27 | 46         | 30.81  | 28.16    | 4.27   | 32.51  | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  | 951.7     | 34.02      | -11.98 | 46         | 29.99  | 30.76    | 4.77   | 31.5   | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  | 33.24     | 30.74      | -9.26  | 40         | 39.48  | 22.94    | 0.77   | 32.45  | -      | -       | P     | V     |
|                             |                                                                                                                                                                                                                                                  | 129.09    | 26.48      | -17.02 | 43.5       | 39.75  | 17.5     | 1.63   | 32.4   | -      | -       | P     | V     |
|                             |                                                                                                                                                                                                                                                  | 264.36    | 20.2       | -25.8  | 46         | 30.3   | 19.93    | 2.39   | 32.42  | -      | -       | P     | V     |
|                             |                                                                                                                                                                                                                                                  | 423.9     | 25.47      | -20.53 | 46         | 32.06  | 22.81    | 3.11   | 32.51  | -      | -       | P     | V     |
|                             |                                                                                                                                                                                                                                                  | 739.6     | 30.58      | -15.42 | 46         | 30.94  | 27.99    | 4.21   | 32.56  | -      | -       | P     | V     |
|                             |                                                                                                                                                                                                                                                  | 944.7     | 34.88      | -11.12 | 46         | 31.12  | 30.57    | 4.75   | 31.56  | -      | -       | P     | 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. |           |            |        |            |        |          |        |        |        |         |       |       |



**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>P</b> eak or <b>A</b> verage                                                                                                                          |
| H/V | <b>H</b> orizontal or <b>V</b> ertical                                                                                                                   |

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

| WIFI    | Note | Frequency | Level      | Margin | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            |        | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 6+7     |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a |      | 5925      | 55.45      | -32.75 | 88.2       | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 5955MHz |      | 5925      | 43.54      | -24.66 | 68.2       | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

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

**For Peak Limit @ 5925MHz:**

1. Level(dBμV/m)  
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)  
 = 55.45 (dBμV/m)
2. Margin (dB)  
 = Level(dBμV/m) – Limit Line(dBμV/m)  
 = 55.45(dBμV/m) – 88.2(dBμV/m)  
 = -32.75(dB)

**For Average Limit @ 5925MHz:**

1. Level(dBμV/m)  
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)  
 = 43.54(dBμV/m)
2. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)  
 = 43.54 (dBμV/m) – 68.2(dBμV/m)  
 = -24.66(dB)

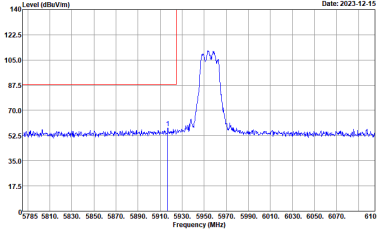
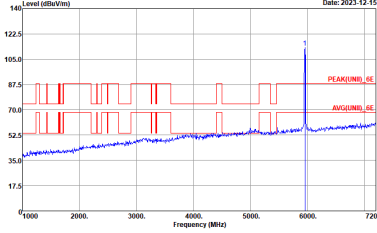
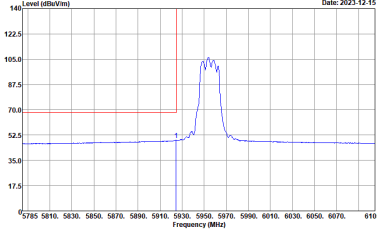
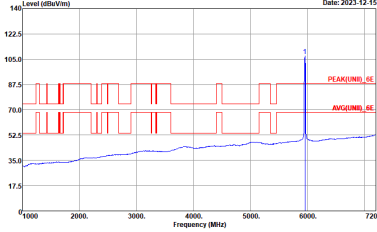
**Both peak and average measured complies with the limit line, so test result is “PASS”.**



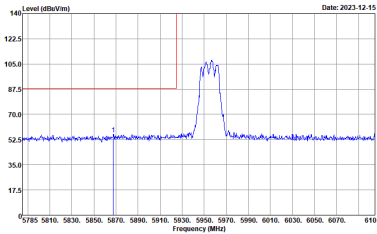
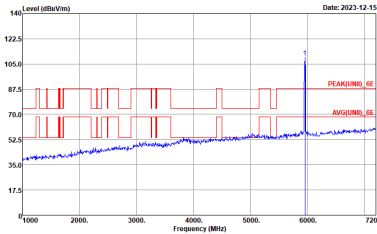
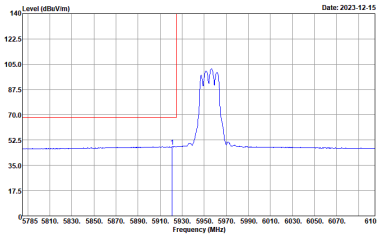
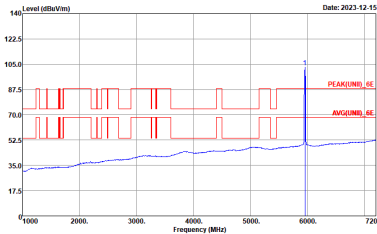
## **Appendix D. Radiated Spurious Emission Plots**

|                        |                                   |                            |             |
|------------------------|-----------------------------------|----------------------------|-------------|
| <b>Test Engineer :</b> | Jack Tsai, Gary Guo and Steven Wu | <b>Temperature :</b>       | 18.2~20.2°C |
|                        |                                   | <b>Relative Humidity :</b> | 54.2~56.1%  |

**Band 5 - 5925~6425MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI        | Band 5 5925~6425MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH01 5955MHz                                                                                                                                                                                                        |                                                                                                                                                                                                                           |
| 6+7         | Horizontal                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                               |
| <b>Peak</b> |  <p>Site : 03CH16-HY<br/> Condition : PEAK_BE(UNIT)_6E 3m 91200_1522_230323 HORIZONTAL<br/> : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT)_6E 3m 91200_1522_230323 HORIZONTAL<br/> : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
|             |  <p>Site : 03CH16-HY<br/> Condition : AVG_BE(UNIT)_6E 3m 91200_1522_230323 HORIZONTAL<br/> : RBW:1000.000KHz VBW:0.620KHz SWT:Auto</p>   |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT)_6E 3m 91200_1522_230323 HORIZONTAL<br/> : RBW:1000.000KHz VBW:0.620KHz SWT:Auto</p>  |
| <b>Avg.</b> |                                                                                                                                                                                                                             |                                                                                                                                                                                                                           |



| WIFI | Band 5 5925~6425MHz Band Edge @ 3m                                                                                                                                                                                      |                                                                                                                                                                                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH01 5955MHz                                                                                                                                                                                                    |                                                                                                                                                                                                                       |
| 6+7  | Vertical                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(UNIT)_6E 3m 91200_1522_230323 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT)_6E 3m 91200_1522_230323 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : AVG_BE(UNIT)_6E 3m 91200_1522_230323 VERTICAL<br/>: RBW:1000.000KHz VBW:0.620KHz SWT:Auto</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT)_6E 3m 91200_1522_230323 VERTICAL<br/>: RBW:1000.000KHz VBW:0.620KHz SWT:Auto</p>  |
| Avg. |                                                                                                                                                                                                                         |                                                                                                                                                                                                                       |