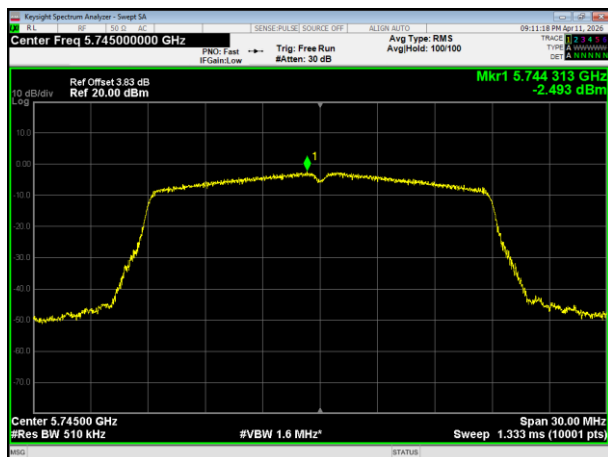
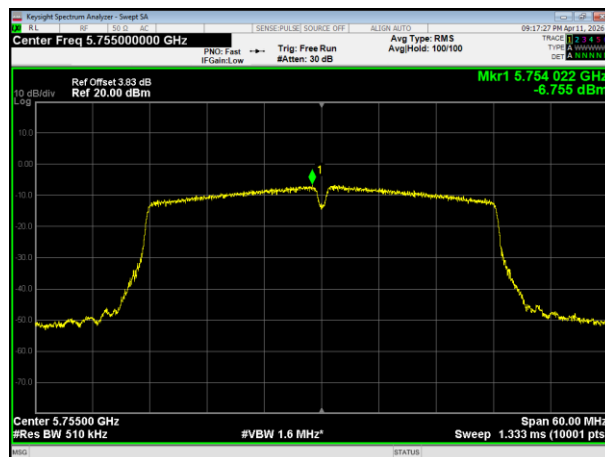


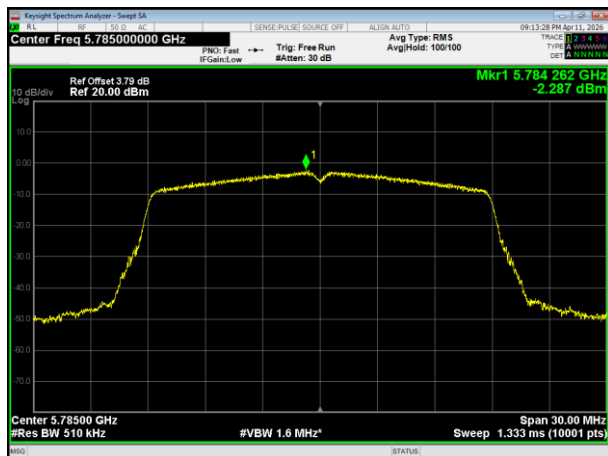
(802.11ac20) PSD plot on channel 149



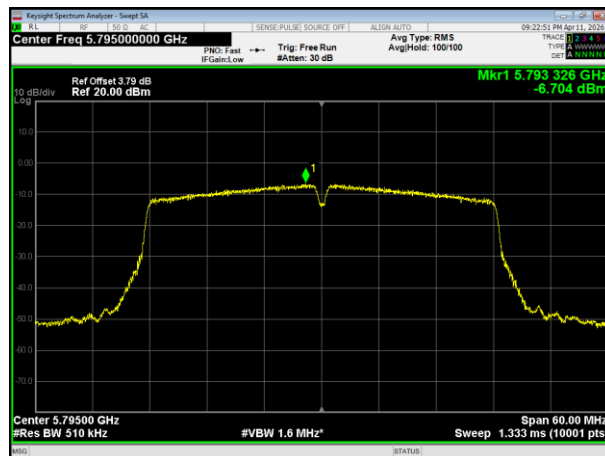
(802.11n40) PSD plot on channel 151



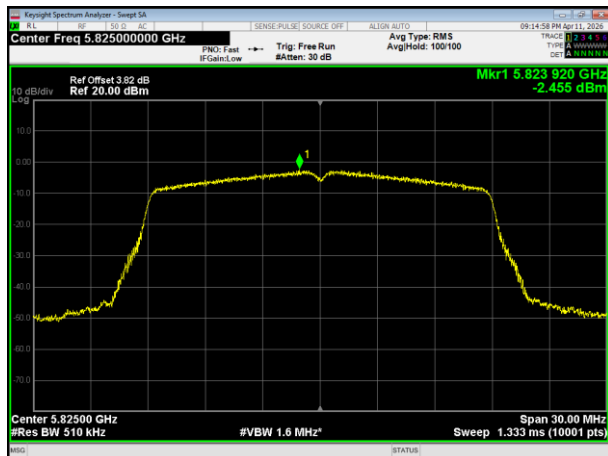
(802.11ac20) PSD plot on channel 157



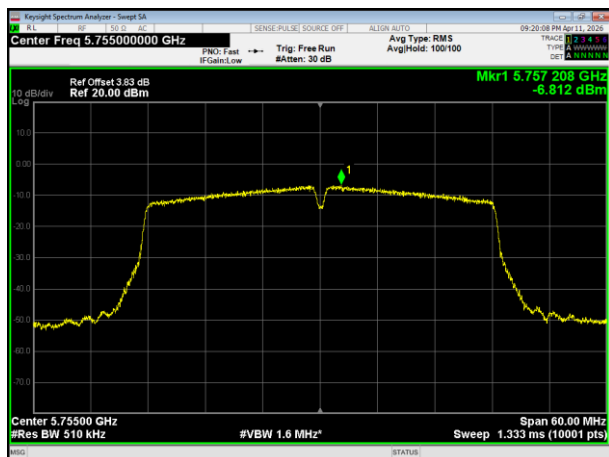
(802.11n40) PSD plot on channel 159



(802.11ac20) PSD plot on channel 165



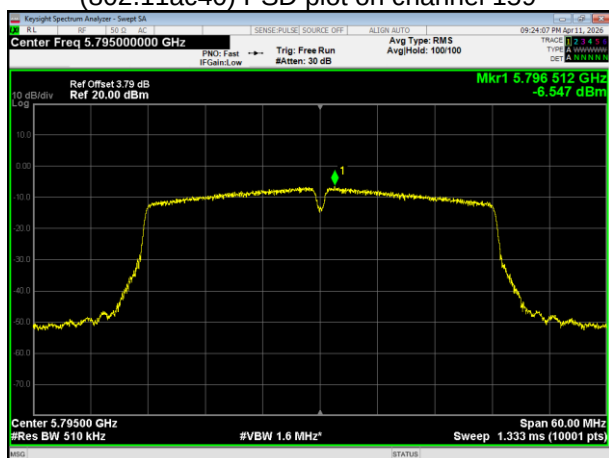
(802.11ac40) PSD plot on channel 151



(802.11ac80) PSD plot on channel 155

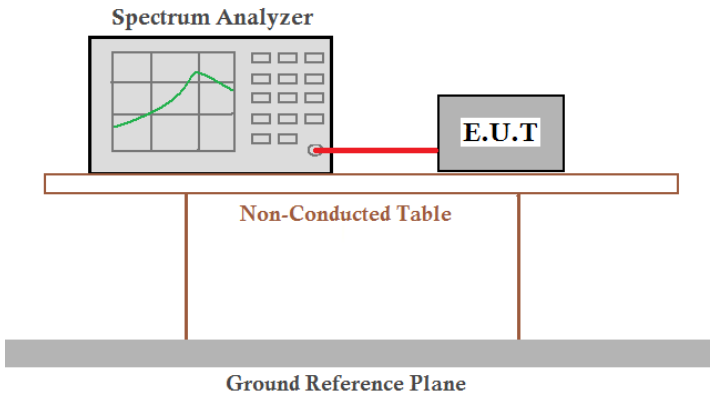


(802.11ac40) PSD plot on channel 159



## 4.7 Band edge

### 4.7.1 Conducted test Method

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Test Requirement: | 47CFR Part 15.209 and 15.205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |
| Test Method:      | ANSI C63.10-2020+COR 1-2023 § 6.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |
| Limit:            | All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.                                                                                                                                                                                                                                                                                                                                                                                                                            |               |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
| Test Procedure:   | <ol style="list-style-type: none"> <li>1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.</li> <li>2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.</li> <li>3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.</li> <li>4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.</li> <li>5. Repeat above procedures until all measured frequencies were complete..</li> </ol> |               |
| Test Instruments: | Refer to section 3.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |
| Test mode:        | Refer to section 2.2 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |
| Test environment: | Temp.: 24.8°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Humid.: 48%RH |
| Test voltage:     | DC 11.1V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |

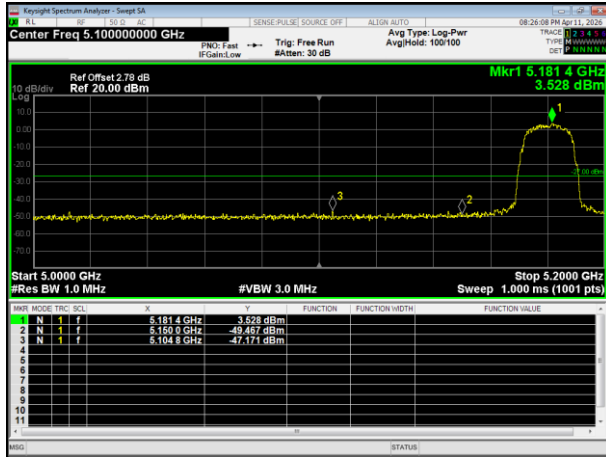
*Remark: Due to the margin value of the sideband test being greater than the antenna gain value, the test meets the requirements*

## Band Edge

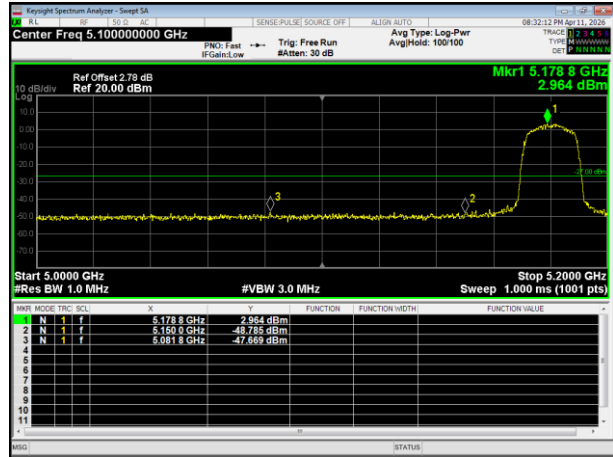
| Condition | Mode | Frequenc<br>y (MHz) | Antenna | Max<br>Value<br>(dBm) | Antenna(<br>dBi) | Max<br>Value<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|---------------------|---------|-----------------------|------------------|-----------------------|----------------|---------|
| NVNT      | a    | 5180                | Ant1    | -47.17                | 2.89             | -44.28                | -27            | Pass    |
| NVNT      | a    | 5240                | Ant1    | -47.73                | 2.89             | -44.84                | -27            | Pass    |
| NVNT      | n20  | 5180                | Ant1    | -47.66                | 2.89             | -44.77                | -27            | Pass    |
| NVNT      | n20  | 5240                | Ant1    | -47.45                | 2.89             | -44.56                | -27            | Pass    |
| NVNT      | n40  | 5190                | Ant1    | -46.8                 | 2.89             | -43.91                | -27            | Pass    |
| NVNT      | n40  | 5230                | Ant1    | -48.07                | 2.89             | -45.18                | -27            | Pass    |
| NVNT      | ac20 | 5180                | Ant1    | -48.36                | 2.89             | -45.47                | -27            | Pass    |
| NVNT      | ac20 | 5240                | Ant1    | -47.38                | 2.89             | -44.49                | -27            | Pass    |
| NVNT      | ac40 | 5190                | Ant1    | -46.03                | 2.89             | -43.14                | -27            | Pass    |
| NVNT      | ac40 | 5230                | Ant1    | -48.2                 | 2.89             | -45.31                | -27            | Pass    |
| NVNT      | ac80 | 5210                | Ant1    | -45.12                | 2.89             | -42.23                | -27            | Pass    |

## 5.180~5.240 GHz

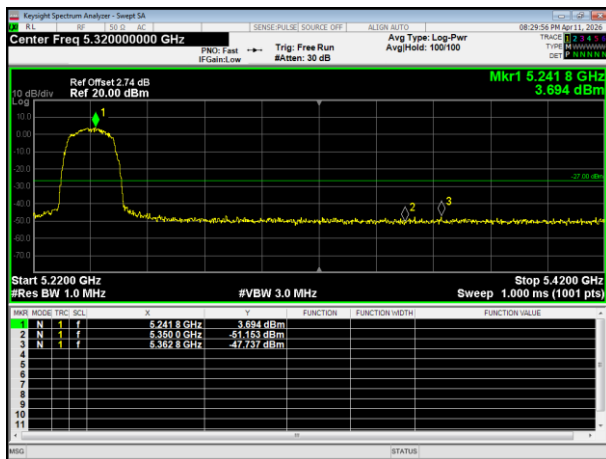
(802.11a) Band Edge, Left Side



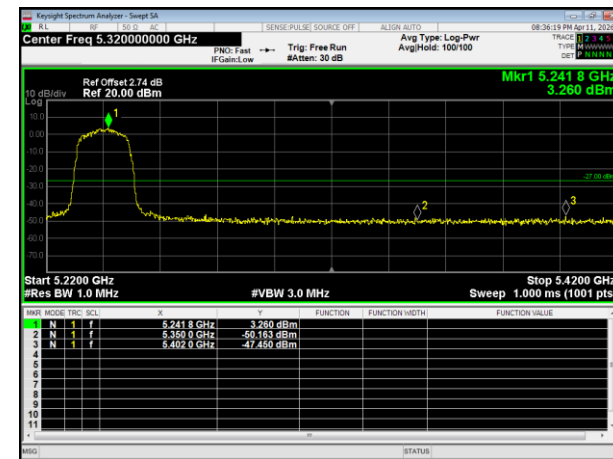
(802.11n20) Band Edge, Left Side



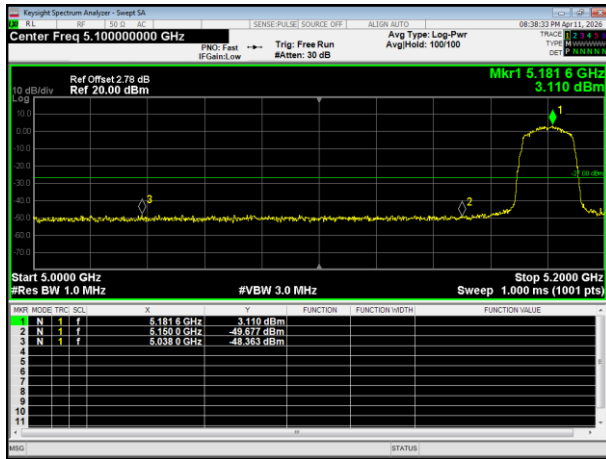
(802.11a) Band Edge, Right Side



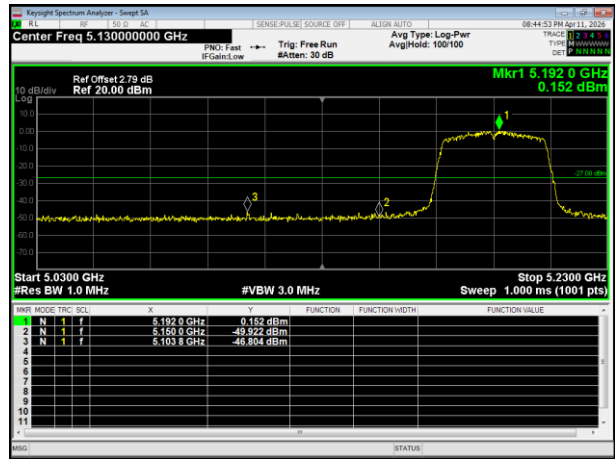
(802.11n20) Band Edge, Right Side



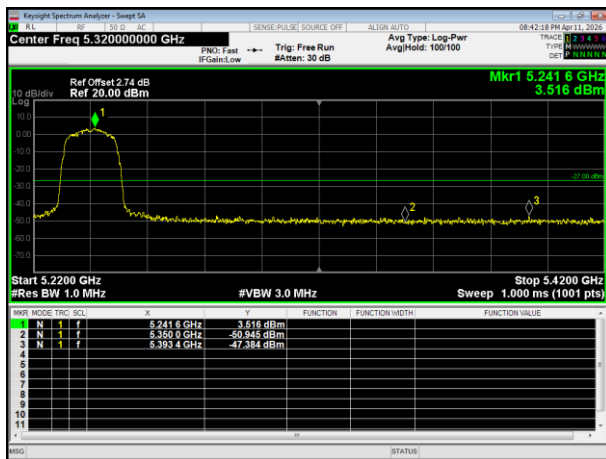
(802.11ac20) Band Edge, Left Side



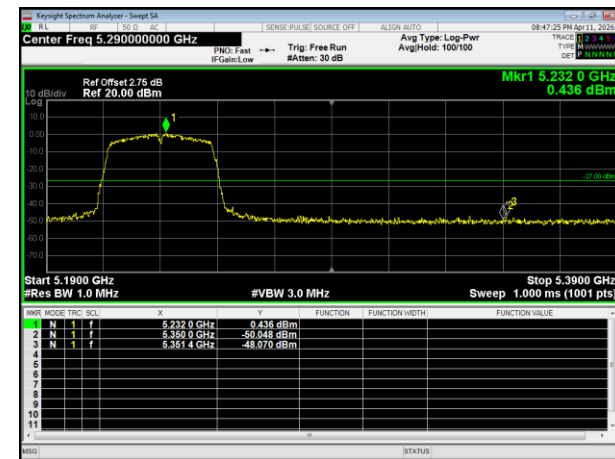
(802.11n40) Band Edge, Left Side



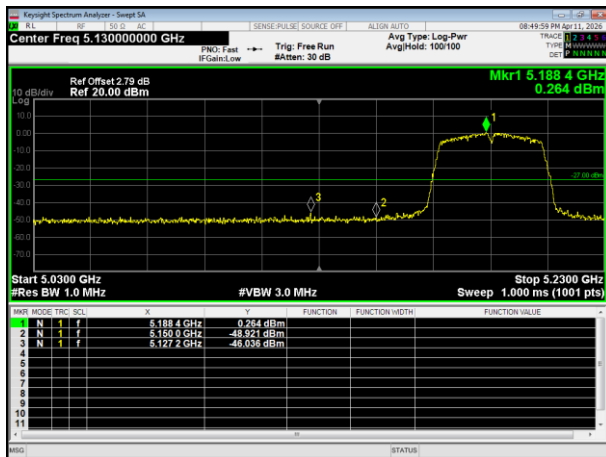
(802.11ac20) Band Edge, Right Side



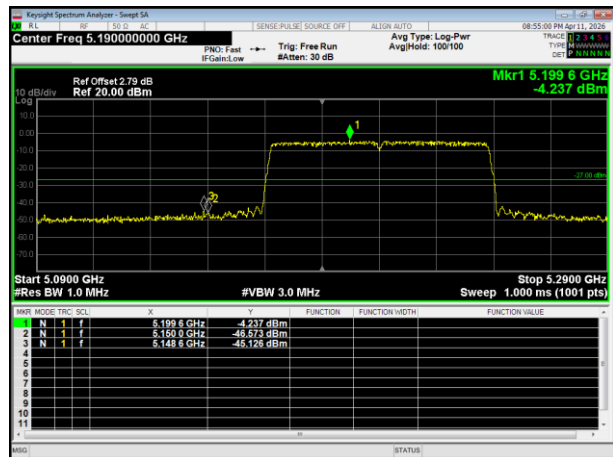
(802.11n40) Band Edge, Right Side



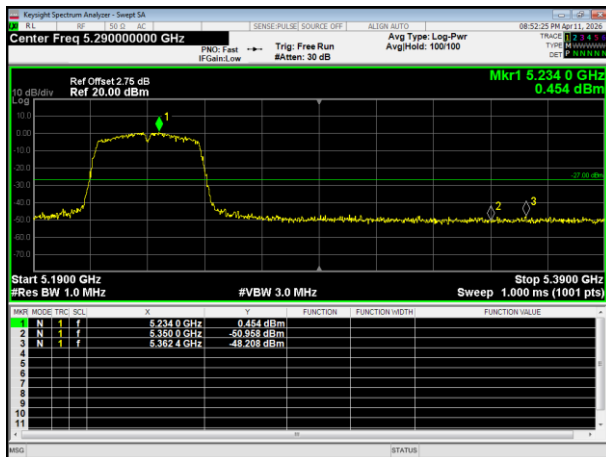
(802.11ac40) Band Edge, Left Side



(802.11ac80) Band Edge



(802.11ac40) Band Edge, Right Side



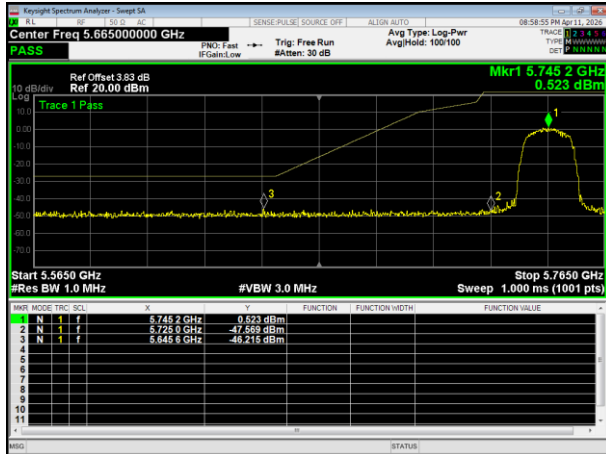
### Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Antenna(dBi) | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|--------------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -46.21          | 2.89         | -43.32          | -27         | Pass    |
| NVNT      | a    | 5825            | Ant1    | -46.01          | 2.89         | -43.12          | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -46.15          | 2.89         | -43.26          | -27         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -45.21          | 2.89         | -42.32          | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -45.24          | 2.89         | -42.35          | -27         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -45.31          | 2.89         | -42.42          | -27         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -44.63          | 2.89         | -41.74          | -27         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -45.47          | 2.89         | -42.58          | -27         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -43.8           | 2.89         | -40.91          | -27         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -45.63          | 2.89         | -42.74          | -27         | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | -38.98          | 2.89         | -36.09          | -27         | Pass    |

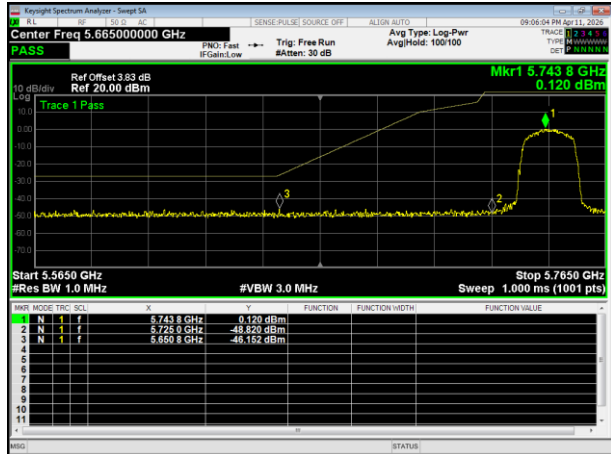
Note: The calculated value of Max Value+Antenna meets the requirement of meeting the minimum limit of -27dBm/MHz, while also meeting the requirements of other limits

## 5.745~5.825 GHz

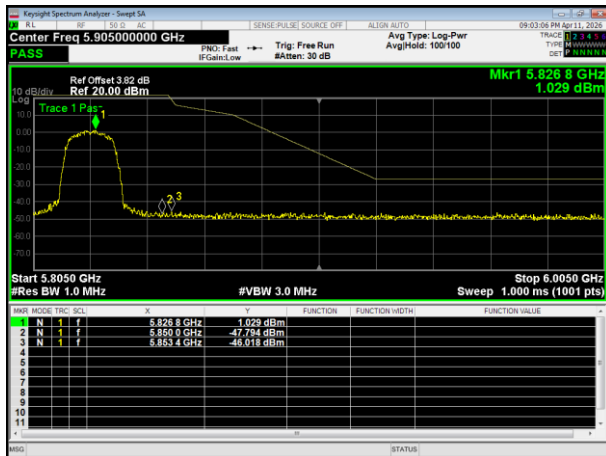
(802.11a) Band Edge, Left Side



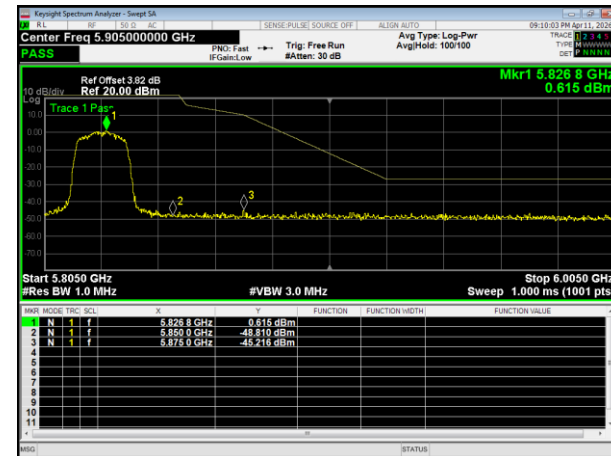
(802.11n20) Band Edge, Left Side



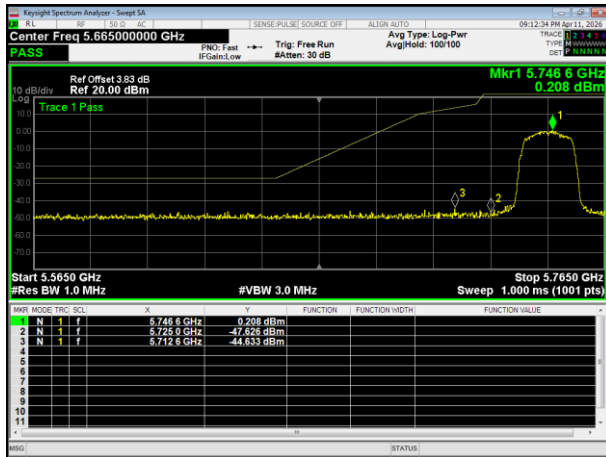
(802.11a) Band Edge, Right Side



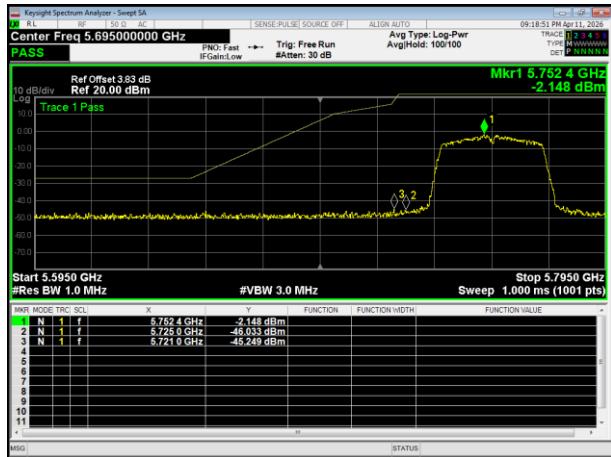
(802.11n20) Band Edge, Right Side



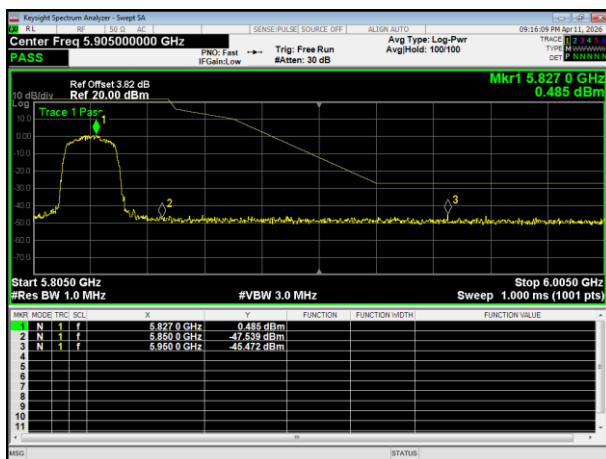
(802.11ac20) Band Edge, Left Side



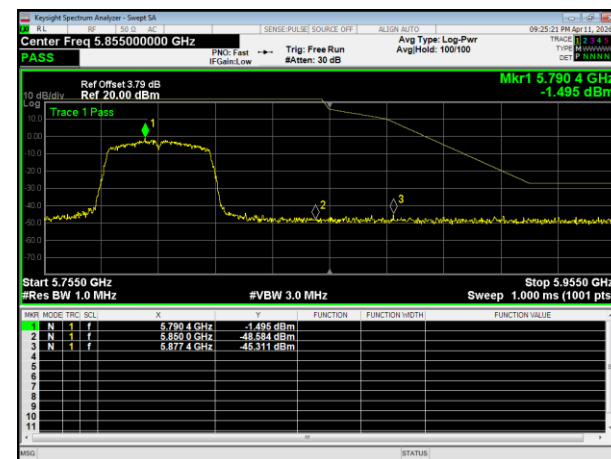
(802.11n40) Band Edge, Left Side



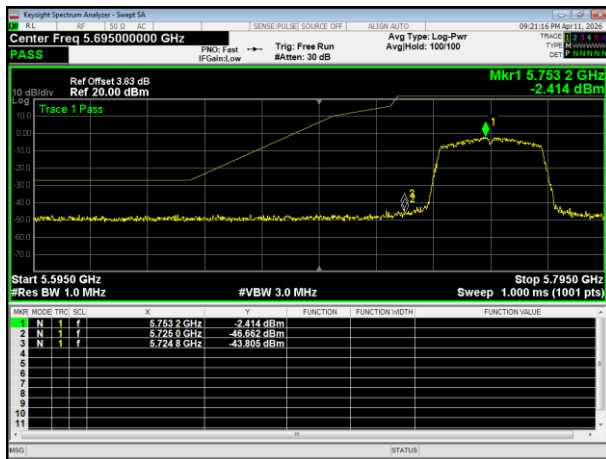
(802.11ac20) Band Edge, Right Side



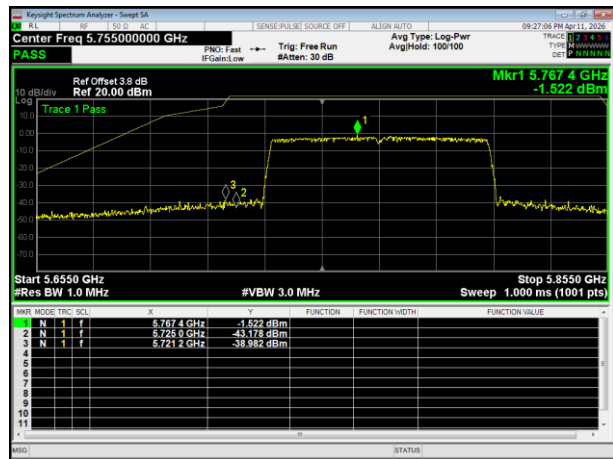
(802.11n40) Band Edge, Right Side



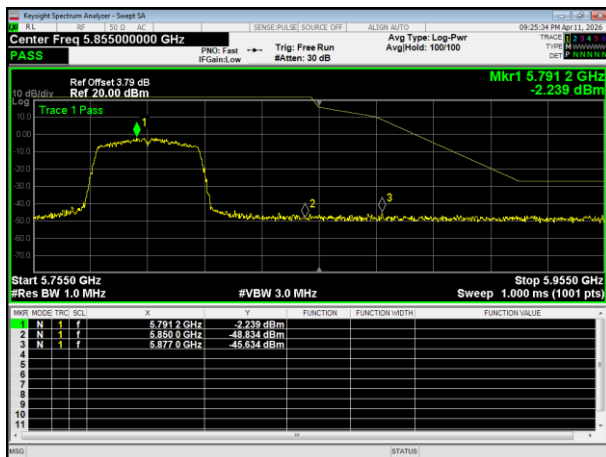
(802.11ac40) Band Edge, Left Side



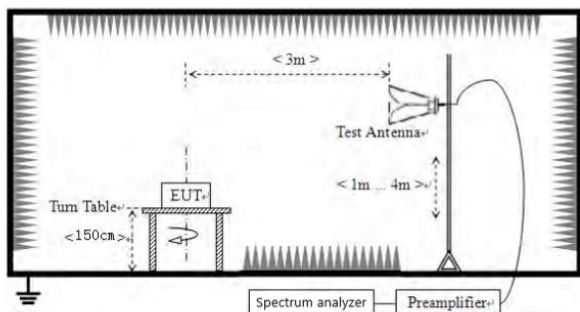
(802.11ac80) Band Edge



(802.11ac40) Band Edge, Right Side



#### 4.7.2 Radiated test Method

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                  |            |                    |        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------|--------------------|--------|------------------|
| Test Requirement:                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 47CFR Part 15.209 and 15.205                     |            |                    |        |                  |
| Test Method:                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ANSI C63.10-2020+COR 1-2023 § 6.10               |            |                    |        |                  |
| Test site:                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Measurement Distance: 3m (Semi-Anechoic Chamber) |            |                    |        |                  |
| Receiver setup:                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Frequency                                        | Detector   | RBW                | VBW    | Remark           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 30MHz-1GHz                                       | Quasi-peak | 100KHz             | 300KHz | Quasi-peak Value |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Above 1GHz                                       | Peak       | 1MHz               | 3MHz   | Peak Value       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                  | AV         | 1MHz               | 3MHz   | Average Value    |
| Limit:                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Frequency                                        |            | Limit (dBuV/m @3m) |        | Remark           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 30MHz-88MHz                                      |            | 40.0               |        | Quasi-peak Value |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 88MHz-216MHz                                     |            | 43.5               |        | Quasi-peak Value |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 216MHz-960MHz                                    |            | 46.0               |        | Quasi-peak Value |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 960MHz-1GHz                                      |            | 54.0               |        | Quasi-peak Value |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Above 1GHz                                       |            | 54.0               |        | Average Value    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                  |            | 68.2               |        | Peak Value       |
| Undesirable emission limits:                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |            |                    |        |                  |
| (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.                                                                                                                                                                                                                                                                                                                 |                                                  |            |                    |        |                  |
| (2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band. |                                                  |            |                    |        |                  |
| (3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.                                                                                                                                                                                                                                                                                                               |                                                  |            |                    |        |                  |
| All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.                                    |                                                  |            |                    |        |                  |
| Test setup:                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Above 1GHz                                       |            |                    |        |                  |
|                                                                                                                                                                                                                                                                                                                                                                                |                                                  |            |                    |        |                  |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Test Procedure:   | <p>a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>7. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.</p> |               |
| Test Instruments: | Refer to section 3.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
| Test mode:        | Refer to section 2.2 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
| Test environment: | Temp.: 21.9°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Humid.: 63%RH |
| Test voltage:     | DC 11.1V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |

**Remark:**

1.Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

2.The emission levels of other frequencies are very lower than the limit and not show in test report.

3.Two antennas are tested, only the worst case's (Main Antenna) data was showed.

4.The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

5.According to KDB 789033 D02v02r01 section G) 1) d),for measurements above 1000 MHz @3m distance, the limit of field strength is computed as follows:

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2;$$

For example, if EIRP = -27dBm

$$E[\text{dBuV/m}] = -27 + 95.2 = 68.2\text{dBuV/m}.$$

$$E[\text{dBuV/m}] = 10 + 95.2 = 105.2\text{dBuV/m}.$$

$$E[\text{dBuV/m}] = 15.6 + 95.2 = 110.8\text{dBuV/m}.$$

$$E[\text{dBuV/m}] = 27 + 95.2 = 122.2\text{dBuV/m}$$

| IEEE 802.11a<br>Operation Frequency:5180MHz |                   |               |                |                     |                 |              |                |
|---------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5150                                        | 50.16             | -7.53         | 42.63          | 74.00               | -31.37          | Horizontal   | PK             |
| 5150                                        | 49.42             | -7.53         | 41.89          | 74.00               | -32.11          | Vertical     | PK             |
| 5150                                        | 39.84             | -7.53         | 32.31          | 54.00               | -21.69          | Horizontal   | AV             |
| 5150                                        | 39.25             | -7.53         | 31.72          | 54.00               | -22.28          | Vertical     | AV             |

| IEEE 802.11a<br>Operation Frequency:5240MHz |                   |               |                |                     |                 |              |                |
|---------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5350                                        | 45.43             | -7.06         | 38.37          | 74.00               | -35.63          | Horizontal   | PK             |
| 5350                                        | 50.96             | -7.06         | 43.90          | 74.00               | -30.10          | Vertical     | PK             |
| 5350                                        | 36.06             | -7.06         | 29.00          | 54.00               | -25.00          | Horizontal   | AV             |
| 5350                                        | 40.48             | -7.06         | 33.42          | 54.00               | -20.58          | Vertical     | AV             |

| IEEE 802.11n20<br>Operation Frequency:5180MHz |                   |               |                |                     |                 |              |                |
|-----------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                               | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5150                                          | 49.14             | -7.53         | 41.61          | 74.00               | -32.39          | Horizontal   | PK             |
| 5150                                          | 48.42             | -7.53         | 40.89          | 74.00               | -33.11          | Vertical     | PK             |
| 5150                                          | 39.02             | -7.53         | 31.49          | 54.00               | -22.51          | Horizontal   | AV             |
| 5150                                          | 38.44             | -7.53         | 30.91          | 54.00               | -23.09          | Vertical     | AV             |

| IEEE 802.11n20<br>Operation Frequency:5240MHz |                   |               |                |                     |                 |              |                |
|-----------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                               | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5350                                          | 44.51             | -7.06         | 37.45          | 74.00               | -36.55          | Horizontal   | PK             |
| 5350                                          | 49.92             | -7.06         | 42.86          | 74.00               | -31.14          | Vertical     | PK             |
| 5350                                          | 35.31             | -7.06         | 28.25          | 54.00               | -25.75          | Horizontal   | AV             |
| 5350                                          | 39.65             | -7.06         | 32.59          | 54.00               | -21.41          | Vertical     | AV             |

| IEEE 802.11ac20<br>Operation Frequency:5180MHz |                   |               |                |                     |                 |              |                |
|------------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                                | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5150                                           | 51.72             | -7.53         | 44.19          | 74.00               | -29.81          | Horizontal   | PK             |
| 5150                                           | 50.95             | -7.53         | 43.42          | 74.00               | -30.58          | Vertical     | PK             |
| 5150                                           | 41.07             | -7.53         | 33.54          | 54.00               | -20.46          | Horizontal   | AV             |
| 5150                                           | 40.48             | -7.53         | 32.95          | 54.00               | -21.05          | Vertical     | AV             |

| IEEE 802.11ac20<br>Operation Frequency:5240MHz |                   |               |                |                     |                 |              |                |
|------------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                                | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5350                                           | 46.85             | -7.06         | 39.79          | 74.00               | -34.21          | Horizontal   | PK             |
| 5350                                           | 52.54             | -7.06         | 45.48          | 74.00               | -28.52          | Vertical     | PK             |
| 5350                                           | 37.18             | -7.06         | 30.12          | 54.00               | -23.88          | Horizontal   | AV             |
| 5350                                           | 41.73             | -7.06         | 34.67          | 54.00               | -19.33          | Vertical     | AV             |

| IEEE 802.11n40<br>Operation Frequency:5190MHz |                   |               |                |                     |                 |              |                |
|-----------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                               | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5150                                          | 50.68             | -7.53         | 43.15          | 74.00               | -30.85          | Horizontal   | PK             |
| 5150                                          | 49.94             | -7.53         | 42.41          | 74.00               | -31.59          | Vertical     | PK             |
| 5150                                          | 40.25             | -7.53         | 32.72          | 54.00               | -21.28          | Horizontal   | AV             |
| 5150                                          | 39.67             | -7.53         | 32.14          | 54.00               | -21.86          | Vertical     | AV             |

| IEEE 802.11n40<br>Operation Frequency:5230MHz |                   |               |                |                     |                 |              |                |
|-----------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                               | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5350                                          | 45.91             | -7.06         | 38.85          | 74.00               | -35.15          | Horizontal   | PK             |
| 5350                                          | 51.48             | -7.06         | 44.42          | 74.00               | -29.58          | Vertical     | PK             |
| 5350                                          | 36.44             | -7.06         | 29.38          | 54.00               | -24.62          | Horizontal   | AV             |
| 5350                                          | 40.90             | -7.06         | 33.84          | 54.00               | -20.16          | Vertical     | AV             |

| IEEE 802.11ac40<br>Operation Frequency:5190MHz |                   |               |                |                     |                 |              |                |
|------------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                                | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5150                                           | 53.25             | -7.53         | 45.72          | 74.00               | -28.28          | Horizontal   | PK             |
| 5150                                           | 52.49             | -7.53         | 44.96          | 74.00               | -29.04          | Vertical     | PK             |
| 5150                                           | 42.30             | -7.53         | 34.77          | 54.00               | -19.23          | Horizontal   | AV             |
| 5150                                           | 41.69             | -7.53         | 34.16          | 54.00               | -19.84          | Vertical     | AV             |

| IEEE 802.11ac40<br>Operation Frequency:5230MHz |                   |               |                |                     |                 |              |                |
|------------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                                | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5350                                           | 48.25             | -7.06         | 41.19          | 74.00               | -32.81          | Horizontal   | PK             |
| 5350                                           | 54.12             | -7.06         | 47.06          | 74.00               | -26.94          | Vertical     | PK             |
| 5350                                           | 38.31             | -7.06         | 31.25          | 54.00               | -22.75          | Horizontal   | AV             |
| 5350                                           | 43.00             | -7.06         | 35.94          | 54.00               | -18.06          | Vertical     | AV             |

| IEEE 802.11ac80<br>Operation Frequency:5210MHz |                   |               |                |                     |                 |              |                |
|------------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                                | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5150                                           | 52.74             | -7.53         | 45.21          | 74.00               | -28.79          | Horizontal   | PK             |
| 5150                                           | 51.98             | -7.53         | 44.45          | 74.00               | -29.55          | Vertical     | PK             |
| 5150                                           | 41.90             | -7.53         | 34.37          | 54.00               | -19.63          | Horizontal   | AV             |
| 5150                                           | 41.29             | -7.53         | 33.76          | 54.00               | -20.24          | Vertical     | AV             |

| IEEE 802.11ac80<br>Operation Frequency:5210MHz |                   |               |                |                     |                 |              |                |
|------------------------------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Frequency (MHz)                                | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5350                                           | 47.78             | -7.06         | 40.72          | 74.00               | -33.28          | Horizontal   | PK             |
| 5350                                           | 53.59             | -7.06         | 46.53          | 74.00               | -27.47          | Vertical     | PK             |
| 5350                                           | 37.94             | -7.06         | 30.88          | 54.00               | -23.12          | Horizontal   | AV             |
| 5350                                           | 42.57             | -7.06         | 35.51          | 54.00               | -18.49          | Vertical     | AV             |

**Measurement data:**

| IEEE 802.11a                |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5745MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5650                        | 49.77             | -6.34         | 43.43          | 68.20               | -24.77          | Horizontal   | PK             |
| 5650                        | 36.56             | -6.34         | 30.22          | 54.00               | -23.78          | Horizontal   | AV             |
| 5700                        | 47.08             | -6.22         | 40.86          | 105.20              | -64.34          | Horizontal   | PK             |
| 5700                        | 35.09             | -6.22         | 28.87          | 54.00               | -25.13          | Horizontal   | AV             |
| 5720                        | 50.53             | -6.17         | 44.36          | 110.80              | -66.44          | Horizontal   | PK             |
| 5720                        | 38.47             | -6.17         | 32.30          | 54.00               | -21.70          | Horizontal   | AV             |
| 5725                        | 52.09             | -6.16         | 45.93          | 122.20              | -76.27          | Horizontal   | PK             |
| 5725                        | 39.69             | -6.16         | 33.53          | 54.00               | -20.47          | Horizontal   | AV             |
| 5650                        | 52.52             | -6.34         | 46.18          | 68.20               | -22.02          | Vertical     | PK             |
| 5650                        | 39.72             | -6.34         | 33.38          | 54.00               | -20.62          | Vertical     | AV             |
| 5700                        | 56.90             | -6.22         | 50.68          | 105.20              | -54.52          | Vertical     | PK             |
| 5700                        | 44.45             | -6.22         | 38.23          | 54.00               | -15.77          | Vertical     | AV             |
| 5720                        | 53.50             | -6.17         | 47.33          | 110.80              | -63.47          | Vertical     | PK             |
| 5720                        | 45.64             | -6.17         | 39.47          | 54.00               | -14.53          | Vertical     | AV             |
| 5725                        | 50.90             | -6.16         | 44.74          | 122.20              | -77.46          | Vertical     | PK             |
| 5725                        | 40.24             | -6.16         | 34.08          | 54.00               | -19.92          | Vertical     | AV             |

| IEEE 802.11a                |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5825MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5850                        | 59.73             | -5.87         | 53.86          | 122.20              | -68.34          | Vertical     | PK             |
| 5850                        | 44.57             | -5.87         | 38.70          | 54.00               | -15.30          | Vertical     | AV             |
| 5855                        | 55.95             | -5.85         | 50.10          | 110.80              | -60.70          | Vertical     | PK             |
| 5855                        | 45.64             | -5.85         | 39.79          | 54.00               | -14.21          | Vertical     | AV             |
| 5875                        | 50.32             | -5.80         | 44.52          | 105.20              | -60.68          | Vertical     | PK             |
| 5875                        | 37.20             | -5.80         | 31.40          | 54.00               | -22.60          | Vertical     | AV             |
| 5925                        | 49.46             | -5.68         | 43.78          | 68.20               | -24.42          | Vertical     | PK             |
| 5925                        | 38.48             | -5.68         | 32.80          | 54.00               | -21.20          | Vertical     | AV             |
| 5850                        | 46.92             | -5.87         | 41.05          | 122.20              | -81.15          | Horizontal   | PK             |
| 5850                        | 34.77             | -5.87         | 28.90          | 54.00               | -25.10          | Horizontal   | AV             |
| 5855                        | 45.12             | -5.85         | 39.27          | 110.80              | -71.53          | Horizontal   | PK             |
| 5855                        | 35.36             | -5.85         | 29.51          | 54.00               | -24.49          | Horizontal   | AV             |
| 5875                        | 50.31             | -5.80         | 44.51          | 105.20              | -60.69          | Horizontal   | PK             |
| 5875                        | 37.97             | -5.80         | 32.17          | 54.00               | -21.83          | Horizontal   | AV             |
| 5925                        | 59.78             | -5.68         | 54.10          | 68.20               | -14.10          | Horizontal   | PK             |
| 5925                        | 41.85             | -5.68         | 36.17          | 54.00               | -17.83          | Horizontal   | AV             |

| IEEE 802.11n20              |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5745MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5650                        | 50.79             | -6.34         | 44.45          | 68.20               | -23.75          | Horizontal   | PK             |
| 5650                        | 37.31             | -6.34         | 30.97          | 54.00               | -23.03          | Horizontal   | AV             |
| 5700                        | 48.05             | -6.22         | 41.83          | 105.20              | -63.37          | Horizontal   | PK             |
| 5700                        | 35.82             | -6.22         | 29.60          | 54.00               | -24.40          | Horizontal   | AV             |
| 5720                        | 51.57             | -6.17         | 45.40          | 110.80              | -65.40          | Horizontal   | PK             |
| 5720                        | 39.27             | -6.17         | 33.10          | 54.00               | -20.90          | Horizontal   | AV             |
| 5725                        | 53.16             | -6.16         | 47.00          | 122.20              | -75.20          | Horizontal   | PK             |
| 5725                        | 40.51             | -6.16         | 34.35          | 54.00               | -19.65          | Horizontal   | AV             |
| 5650                        | 53.60             | -6.34         | 47.26          | 68.20               | -20.94          | Vertical     | PK             |
| 5650                        | 40.54             | -6.34         | 34.20          | 54.00               | -19.80          | Vertical     | AV             |
| 5700                        | 58.07             | -6.22         | 51.85          | 105.20              | -53.35          | Vertical     | PK             |
| 5700                        | 45.37             | -6.22         | 39.15          | 54.00               | -14.85          | Vertical     | AV             |
| 5720                        | 54.60             | -6.17         | 48.43          | 110.80              | -62.37          | Vertical     | PK             |
| 5720                        | 46.58             | -6.17         | 40.41          | 54.00               | -13.59          | Vertical     | AV             |
| 5725                        | 51.95             | -6.16         | 45.79          | 122.20              | -76.41          | Vertical     | PK             |
| 5725                        | 41.07             | -6.16         | 34.91          | 54.00               | -19.09          | Vertical     | AV             |

| IEEE 802.11n20              |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5825MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5850                        | 60.95             | -5.87         | 55.08          | 122.20              | -67.12          | Vertical     | PK             |
| 5850                        | 45.49             | -5.87         | 39.62          | 54.00               | -14.38          | Vertical     | AV             |
| 5855                        | 57.10             | -5.85         | 51.25          | 110.80              | -59.55          | Vertical     | PK             |
| 5855                        | 46.58             | -5.85         | 40.73          | 54.00               | -13.27          | Vertical     | AV             |
| 5875                        | 51.35             | -5.80         | 45.55          | 105.20              | -59.65          | Vertical     | PK             |
| 5875                        | 37.98             | -5.80         | 32.18          | 54.00               | -21.82          | Vertical     | AV             |
| 5925                        | 50.48             | -5.68         | 44.80          | 68.20               | -23.40          | Vertical     | PK             |
| 5925                        | 39.28             | -5.68         | 33.60          | 54.00               | -20.40          | Vertical     | AV             |
| 5850                        | 47.90             | -5.87         | 42.03          | 122.20              | -80.17          | Horizontal   | PK             |
| 5850                        | 35.50             | -5.87         | 29.63          | 54.00               | -24.37          | Horizontal   | AV             |
| 5855                        | 46.05             | -5.85         | 40.20          | 110.80              | -70.60          | Horizontal   | PK             |
| 5855                        | 36.09             | -5.85         | 30.24          | 54.00               | -23.76          | Horizontal   | AV             |
| 5875                        | 51.34             | -5.80         | 45.54          | 105.20              | -59.66          | Horizontal   | PK             |
| 5875                        | 38.76             | -5.80         | 32.96          | 54.00               | -21.04          | Horizontal   | AV             |
| 5925                        | 61.00             | -5.68         | 55.32          | 68.20               | -12.88          | Horizontal   | PK             |
| 5925                        | 42.71             | -5.68         | 37.03          | 54.00               | -16.97          | Horizontal   | AV             |

| IEEE 802.11ac20             |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5745MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5650                        | 47.21             | -6.34         | 40.87          | 68.20               | -27.33          | Horizontal   | PK             |
| 5650                        | 34.66             | -6.34         | 28.32          | 54.00               | -25.68          | Horizontal   | AV             |
| 5700                        | 44.65             | -6.22         | 38.43          | 105.20              | -66.77          | Horizontal   | PK             |
| 5700                        | 33.26             | -6.22         | 27.04          | 54.00               | -26.96          | Horizontal   | AV             |
| 5720                        | 47.93             | -6.17         | 41.76          | 110.80              | -69.04          | Horizontal   | PK             |
| 5720                        | 36.47             | -6.17         | 30.30          | 54.00               | -23.70          | Horizontal   | AV             |
| 5725                        | 49.41             | -6.16         | 43.25          | 122.20              | -78.95          | Horizontal   | PK             |
| 5725                        | 37.63             | -6.16         | 31.47          | 54.00               | -22.53          | Horizontal   | AV             |
| 5650                        | 49.82             | -6.34         | 43.48          | 68.20               | -24.72          | Vertical     | PK             |
| 5650                        | 37.66             | -6.34         | 31.32          | 54.00               | -22.68          | Vertical     | AV             |
| 5700                        | 53.99             | -6.22         | 47.77          | 105.20              | -57.43          | Vertical     | PK             |
| 5700                        | 42.15             | -6.22         | 35.93          | 54.00               | -18.07          | Vertical     | AV             |
| 5720                        | 50.76             | -6.17         | 44.59          | 110.80              | -66.21          | Vertical     | PK             |
| 5720                        | 43.29             | -6.17         | 37.12          | 54.00               | -16.88          | Vertical     | AV             |
| 5725                        | 48.29             | -6.16         | 42.13          | 122.20              | -80.07          | Vertical     | PK             |
| 5725                        | 38.16             | -6.16         | 32.00          | 54.00               | -22.00          | Vertical     | AV             |

| IEEE 802.11ac20             |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5825MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5850                        | 56.68             | -5.87         | 50.81          | 122.20              | -71.39          | Vertical     | PK             |
| 5850                        | 42.27             | -5.87         | 36.40          | 54.00               | -17.60          | Vertical     | AV             |
| 5855                        | 53.08             | -5.85         | 47.23          | 110.80              | -63.57          | Vertical     | PK             |
| 5855                        | 43.29             | -5.85         | 37.44          | 54.00               | -16.56          | Vertical     | AV             |
| 5875                        | 47.72             | -5.80         | 41.92          | 105.20              | -63.28          | Vertical     | PK             |
| 5875                        | 35.27             | -5.80         | 29.47          | 54.00               | -24.53          | Vertical     | AV             |
| 5925                        | 46.91             | -5.68         | 41.23          | 68.20               | -26.97          | Vertical     | PK             |
| 5925                        | 36.48             | -5.68         | 30.80          | 54.00               | -23.20          | Vertical     | AV             |
| 5850                        | 44.51             | -5.87         | 38.64          | 122.20              | -83.56          | Horizontal   | PK             |
| 5850                        | 32.96             | -5.87         | 27.09          | 54.00               | -26.91          | Horizontal   | AV             |
| 5855                        | 42.79             | -5.85         | 36.94          | 110.80              | -73.86          | Horizontal   | PK             |
| 5855                        | 33.52             | -5.85         | 27.67          | 54.00               | -26.33          | Horizontal   | AV             |
| 5875                        | 47.71             | -5.80         | 41.91          | 105.20              | -63.29          | Horizontal   | PK             |
| 5875                        | 36.00             | -5.80         | 30.20          | 54.00               | -23.80          | Horizontal   | AV             |
| 5925                        | 56.71             | -5.68         | 51.03          | 68.20               | -17.17          | Horizontal   | PK             |
| 5925                        | 39.68             | -5.68         | 34.00          | 54.00               | -20.00          | Horizontal   | AV             |

| IEEE 802.11n40              |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5755MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5650                        | 50.27             | -6.34         | 43.93          | 68.20               | -24.27          | Horizontal   | PK             |
| 5650                        | 36.93             | -6.34         | 30.59          | 54.00               | -23.41          | Horizontal   | AV             |
| 5700                        | 47.56             | -6.22         | 41.34          | 105.20              | -63.86          | Horizontal   | PK             |
| 5700                        | 35.46             | -6.22         | 29.24          | 54.00               | -24.76          | Horizontal   | AV             |
| 5720                        | 51.05             | -6.17         | 44.88          | 110.80              | -65.92          | Horizontal   | PK             |
| 5720                        | 38.87             | -6.17         | 32.70          | 54.00               | -21.30          | Horizontal   | AV             |
| 5725                        | 52.63             | -6.16         | 46.47          | 122.20              | -75.73          | Horizontal   | PK             |
| 5725                        | 40.10             | -6.16         | 33.94          | 54.00               | -20.06          | Horizontal   | AV             |
| 5650                        | 53.06             | -6.34         | 46.72          | 68.20               | -21.48          | Vertical     | PK             |
| 5650                        | 40.13             | -6.34         | 33.79          | 54.00               | -20.21          | Vertical     | AV             |
| 5700                        | 57.49             | -6.22         | 51.27          | 105.20              | -53.93          | Vertical     | PK             |
| 5700                        | 44.92             | -6.22         | 38.70          | 54.00               | -15.30          | Vertical     | AV             |
| 5720                        | 54.05             | -6.17         | 47.88          | 110.80              | -62.92          | Vertical     | PK             |
| 5720                        | 46.11             | -6.17         | 39.94          | 54.00               | -14.06          | Vertical     | AV             |
| 5725                        | 51.42             | -6.16         | 45.26          | 122.20              | -76.94          | Vertical     | PK             |
| 5725                        | 40.66             | -6.16         | 34.50          | 54.00               | -19.50          | Vertical     | AV             |

| IEEE 802.11n40              |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5795MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5850                        | 60.35             | -5.87         | 54.48          | 122.20              | -67.72          | Vertical     | PK             |
| 5850                        | 45.03             | -5.87         | 39.16          | 54.00               | -14.84          | Vertical     | AV             |
| 5855                        | 56.53             | -5.85         | 50.68          | 110.80              | -60.12          | Vertical     | PK             |
| 5855                        | 46.11             | -5.85         | 40.26          | 54.00               | -13.74          | Vertical     | AV             |
| 5875                        | 50.83             | -5.80         | 45.03          | 105.20              | -60.17          | Vertical     | PK             |
| 5875                        | 37.59             | -5.80         | 31.79          | 54.00               | -22.21          | Vertical     | AV             |
| 5925                        | 49.97             | -5.68         | 44.29          | 68.20               | -23.91          | Vertical     | PK             |
| 5925                        | 38.88             | -5.68         | 33.20          | 54.00               | -20.80          | Vertical     | AV             |
| 5850                        | 47.41             | -5.87         | 41.54          | 122.20              | -80.66          | Horizontal   | PK             |
| 5850                        | 35.14             | -5.87         | 29.27          | 54.00               | -24.73          | Horizontal   | AV             |
| 5855                        | 45.59             | -5.85         | 39.74          | 110.80              | -71.06          | Horizontal   | PK             |
| 5855                        | 35.73             | -5.85         | 29.88          | 54.00               | -24.12          | Horizontal   | AV             |
| 5875                        | 50.82             | -5.80         | 45.02          | 105.20              | -60.18          | Horizontal   | PK             |
| 5875                        | 38.37             | -5.80         | 32.57          | 54.00               | -21.43          | Horizontal   | AV             |
| 5925                        | 60.39             | -5.68         | 54.71          | 68.20               | -13.49          | Horizontal   | PK             |
| 5925                        | 42.28             | -5.68         | 36.60          | 54.00               | -17.40          | Horizontal   | AV             |

| IEEE 802.11ac40             |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5755MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5650                        | 52.84             | -6.34         | 46.50          | 68.20               | -21.70          | Horizontal   | PK             |
| 5650                        | 38.84             | -6.34         | 32.50          | 54.00               | -21.50          | Horizontal   | AV             |
| 5700                        | 49.99             | -6.22         | 43.77          | 105.20              | -61.43          | Horizontal   | PK             |
| 5700                        | 37.28             | -6.22         | 31.06          | 54.00               | -22.94          | Horizontal   | AV             |
| 5720                        | 53.65             | -6.17         | 47.48          | 110.80              | -63.32          | Horizontal   | PK             |
| 5720                        | 40.87             | -6.17         | 34.70          | 54.00               | -19.30          | Horizontal   | AV             |
| 5725                        | 55.31             | -6.16         | 49.15          | 122.20              | -73.05          | Horizontal   | PK             |
| 5725                        | 42.16             | -6.16         | 36.00          | 54.00               | -18.00          | Horizontal   | AV             |
| 5650                        | 55.76             | -6.34         | 49.42          | 68.20               | -18.78          | Vertical     | PK             |
| 5650                        | 42.19             | -6.34         | 35.85          | 54.00               | -18.15          | Vertical     | AV             |
| 5700                        | 60.40             | -6.22         | 54.18          | 105.20              | -51.02          | Vertical     | PK             |
| 5700                        | 47.21             | -6.22         | 40.99          | 54.00               | -13.01          | Vertical     | AV             |
| 5720                        | 56.80             | -6.17         | 50.63          | 110.80              | -60.17          | Vertical     | PK             |
| 5720                        | 48.47             | -6.17         | 42.30          | 54.00               | -11.70          | Vertical     | AV             |
| 5725                        | 54.04             | -6.16         | 47.88          | 122.20              | -74.32          | Vertical     | PK             |
| 5725                        | 42.75             | -6.16         | 36.59          | 54.00               | -17.41          | Vertical     | AV             |

| IEEE 802.11ac40             |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5795MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5850                        | 63.41             | -5.87         | 57.54          | 122.20              | -64.66          | Vertical     | PK             |
| 5850                        | 47.34             | -5.87         | 41.47          | 54.00               | -12.53          | Vertical     | AV             |
| 5855                        | 59.40             | -5.85         | 53.55          | 110.80              | -57.25          | Vertical     | PK             |
| 5855                        | 48.47             | -5.85         | 42.62          | 54.00               | -11.38          | Vertical     | AV             |
| 5875                        | 53.43             | -5.80         | 47.63          | 105.20              | -57.57          | Vertical     | PK             |
| 5875                        | 39.53             | -5.80         | 33.73          | 54.00               | -20.27          | Vertical     | AV             |
| 5925                        | 52.52             | -5.68         | 46.84          | 68.20               | -21.36          | Vertical     | PK             |
| 5925                        | 40.88             | -5.68         | 35.20          | 54.00               | -18.80          | Vertical     | AV             |
| 5850                        | 49.83             | -5.87         | 43.96          | 122.20              | -78.24          | Horizontal   | PK             |
| 5850                        | 36.95             | -5.87         | 31.08          | 54.00               | -22.92          | Horizontal   | AV             |
| 5855                        | 47.92             | -5.85         | 42.07          | 110.80              | -68.73          | Horizontal   | PK             |
| 5855                        | 37.57             | -5.85         | 31.72          | 54.00               | -22.28          | Horizontal   | AV             |
| 5875                        | 53.42             | -5.80         | 47.62          | 105.20              | -57.58          | Horizontal   | PK             |
| 5875                        | 40.34             | -5.80         | 34.54          | 54.00               | -19.46          | Horizontal   | AV             |
| 5925                        | 63.45             | -5.68         | 57.77          | 68.20               | -10.43          | Horizontal   | PK             |
| 5925                        | 44.45             | -5.68         | 38.77          | 54.00               | -15.23          | Horizontal   | AV             |

| IEEE 802.11ac80             |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5775MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5650                        | 50.55             | -6.34         | 44.21          | 68.20               | -23.99          | Horizontal   | PK             |
| 5650                        | 36.96             | -6.34         | 30.62          | 54.00               | -23.38          | Horizontal   | AV             |
| 5700                        | 47.79             | -6.22         | 41.57          | 105.20              | -63.63          | Horizontal   | PK             |
| 5700                        | 35.44             | -6.22         | 29.22          | 54.00               | -24.78          | Horizontal   | AV             |
| 5720                        | 51.34             | -6.17         | 45.17          | 110.80              | -65.63          | Horizontal   | PK             |
| 5720                        | 38.92             | -6.17         | 32.75          | 54.00               | -21.25          | Horizontal   | AV             |
| 5725                        | 52.95             | -6.16         | 46.79          | 122.20              | -75.41          | Horizontal   | PK             |
| 5725                        | 40.17             | -6.16         | 34.01          | 54.00               | -19.99          | Horizontal   | AV             |
| 5650                        | 53.39             | -6.34         | 47.05          | 68.20               | -21.15          | Vertical     | PK             |
| 5650                        | 40.21             | -6.34         | 33.87          | 54.00               | -20.13          | Vertical     | AV             |
| 5700                        | 57.91             | -6.22         | 51.69          | 105.20              | -53.51          | Vertical     | PK             |
| 5700                        | 45.09             | -6.22         | 38.87          | 54.00               | -15.13          | Vertical     | AV             |
| 5720                        | 54.41             | -6.17         | 48.24          | 110.80              | -62.56          | Vertical     | PK             |
| 5720                        | 46.31             | -6.17         | 40.14          | 54.00               | -13.86          | Vertical     | AV             |
| 5725                        | 51.72             | -6.16         | 45.56          | 122.20              | -76.64          | Vertical     | PK             |
| 5725                        | 40.75             | -6.16         | 34.59          | 54.00               | -19.41          | Vertical     | AV             |

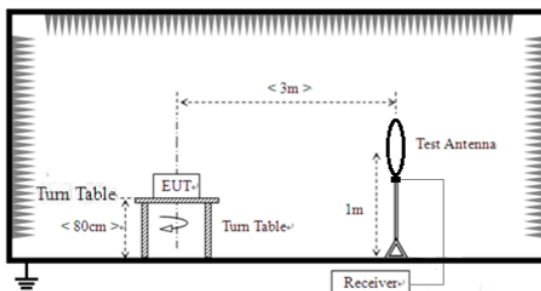
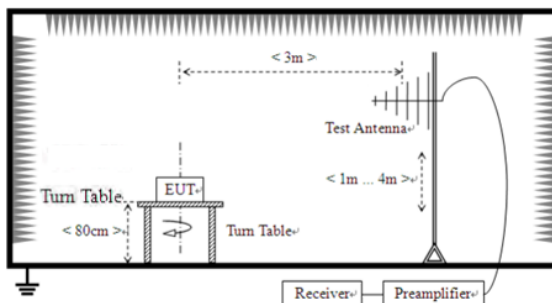
| IEEE 802.11ac80             |                   |               |                |                     |                 |              |                |
|-----------------------------|-------------------|---------------|----------------|---------------------|-----------------|--------------|----------------|
| Operation Frequency:5775MHz |                   |               |                |                     |                 |              |                |
| Frequency (MHz)             | Read Level (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | Detect or Type |
| 5850                        | 61.57             | -5.87         | 55.70          | 122.20              | -66.50          | Vertical     | PK             |
| 5850                        | 45.95             | -5.87         | 40.08          | 54.00               | -13.92          | Vertical     | AV             |
| 5855                        | 57.68             | -5.85         | 51.83          | 110.80              | -58.97          | Vertical     | PK             |
| 5855                        | 47.05             | -5.85         | 41.20          | 54.00               | -12.80          | Vertical     | AV             |
| 5875                        | 51.87             | -5.80         | 46.07          | 105.20              | -59.13          | Vertical     | PK             |
| 5875                        | 38.36             | -5.80         | 32.56          | 54.00               | -21.44          | Vertical     | AV             |
| 5925                        | 50.99             | -5.68         | 45.31          | 68.20               | -22.89          | Vertical     | PK             |
| 5925                        | 39.68             | -5.68         | 34.00          | 54.00               | -20.00          | Vertical     | AV             |
| 5850                        | 48.37             | -5.87         | 42.50          | 122.20              | -79.70          | Horizontal   | PK             |
| 5850                        | 35.87             | -5.87         | 30.00          | 54.00               | -24.00          | Horizontal   | AV             |
| 5855                        | 46.51             | -5.85         | 40.66          | 110.80              | -70.14          | Horizontal   | PK             |
| 5855                        | 36.46             | -5.85         | 30.61          | 54.00               | -23.39          | Horizontal   | AV             |
| 5875                        | 51.86             | -5.80         | 46.06          | 105.20              | -59.14          | Horizontal   | PK             |
| 5875                        | 39.16             | -5.80         | 33.36          | 54.00               | -20.64          | Horizontal   | AV             |
| 5925                        | 61.61             | -5.68         | 55.93          | 68.20               | -12.27          | Horizontal   | PK             |
| 5925                        | 43.14             | -5.68         | 37.46          | 54.00               | -16.54          | Horizontal   | AV             |

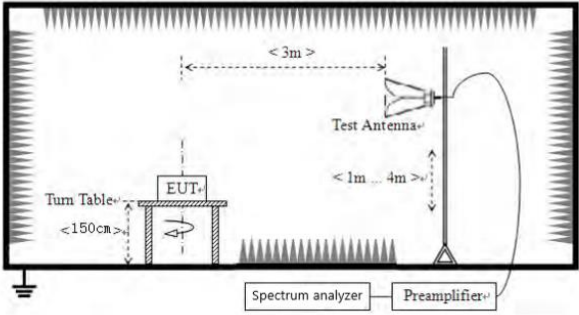
Remark:

Factor =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

## 4.8 Spurious Emission

### 4.8.1 Radiated Emission Method

|                                          |                                                                                      |                                                                                      |                 |            |                      |  |
|------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------|------------|----------------------|--|
| Test Requirement:                        | 47CFR Part 15.209, Part 15E Section 15.407(b)(4)                                     |                                                                                      |                 |            |                      |  |
| Test Method:                             | ANSI C63.10-2020+COR 1-2023§6.4&6.5&6.6                                              |                                                                                      |                 |            |                      |  |
| Test Frequency Range:                    | 9kHz to 40GHz                                                                        |                                                                                      |                 |            |                      |  |
| Test site:                               | Measurement Distance: 3m                                                             |                                                                                      |                 |            |                      |  |
| Receiver setup:                          | Frequency                                                                            | Detector                                                                             | RBW             | VBW        | Value                |  |
|                                          | 9kHz-150KHz                                                                          | Quasi-peak                                                                           | 200Hz           | 1kHz       | Quasi-peak Value     |  |
|                                          | 150kHz-30MHz                                                                         | Quasi-peak                                                                           | 9kHz            | 30kHz      | Quasi-peak Value     |  |
|                                          | 30MHz-1GHz                                                                           | Quasi-peak                                                                           | 120KHz          | 300KHz     | Quasi-peak Value     |  |
|                                          | Above 1GHz                                                                           | Peak                                                                                 | 1MHz            | 3MHz       | Peak Value           |  |
|                                          |                                                                                      | AV                                                                                   | 1MHz            | 3MHz       | Average Value        |  |
| Limit:                                   | Frequency                                                                            |                                                                                      | Limit (uV/m)    | Value      | Measurement Distance |  |
|                                          | 0.009MHz-0.490MHz                                                                    |                                                                                      | 2400/F(KHz)     | QP         | 300m                 |  |
|                                          | 0.490MHz-1.705MHz                                                                    |                                                                                      | 24000/F(KHz)    | QP         | 300m                 |  |
|                                          | 1.705MHz-30MHz                                                                       |                                                                                      | 30              | QP         | 30m                  |  |
|                                          | 30MHz-88MHz                                                                          |                                                                                      | 100             | QP         | 3m                   |  |
|                                          | 88MHz-216MHz                                                                         |                                                                                      | 150             | QP         |                      |  |
|                                          | 216MHz-960MHz                                                                        |                                                                                      | 200             | QP         |                      |  |
|                                          | 960MHz-1GHz                                                                          |                                                                                      | 500             | QP         |                      |  |
|                                          | Frequency                                                                            |                                                                                      | Limit (dBm/MHz) | Remark     |                      |  |
|                                          | Above 1GHz                                                                           |                                                                                      | -27.0           | Peak Value |                      |  |
|                                          | Test setup:                                                                          | For radiated emissions from 9kHz to 30MHz                                            |                 |            |                      |  |
|                                          |                                                                                      |  |                 |            |                      |  |
| For radiated emissions from 30MHz to1GHz |                                                                                      |                                                                                      |                 |            |                      |  |
|                                          |  |                                                                                      |                 |            |                      |  |
|                                          | For radiated emissions above 1GHz                                                    |                                                                                      |                 |            |                      |  |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Test Procedure:   | <ol style="list-style-type: none"> <li>1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</li> </ol> <p>The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.</p> |
| Test Instruments: | Refer to section 3.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Test mode:        | Refer to section 2.2 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

#### Remarks:

1. The report only shows the worst mode.
2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

#### Measurement Data:

##### 9 kHz ~ 30 MHz

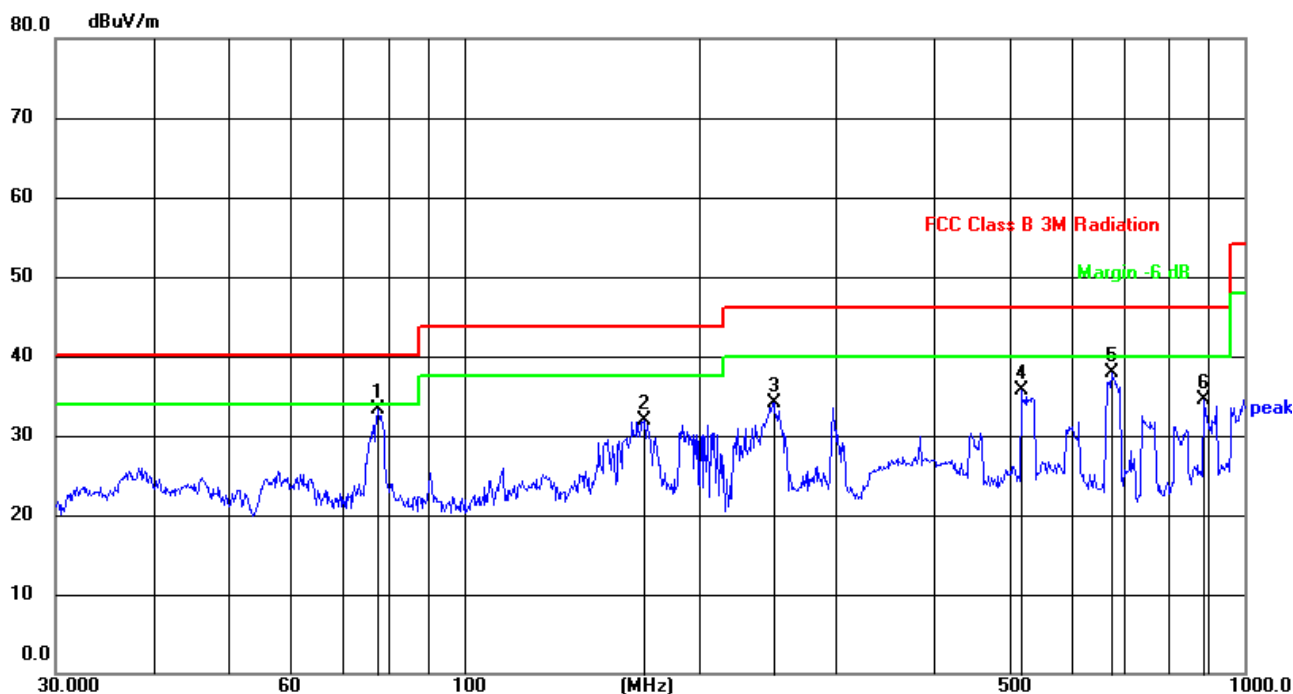
The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.

## Below 1GHz

Remark: The test data shows only the worst case 802.11ac20 mode.

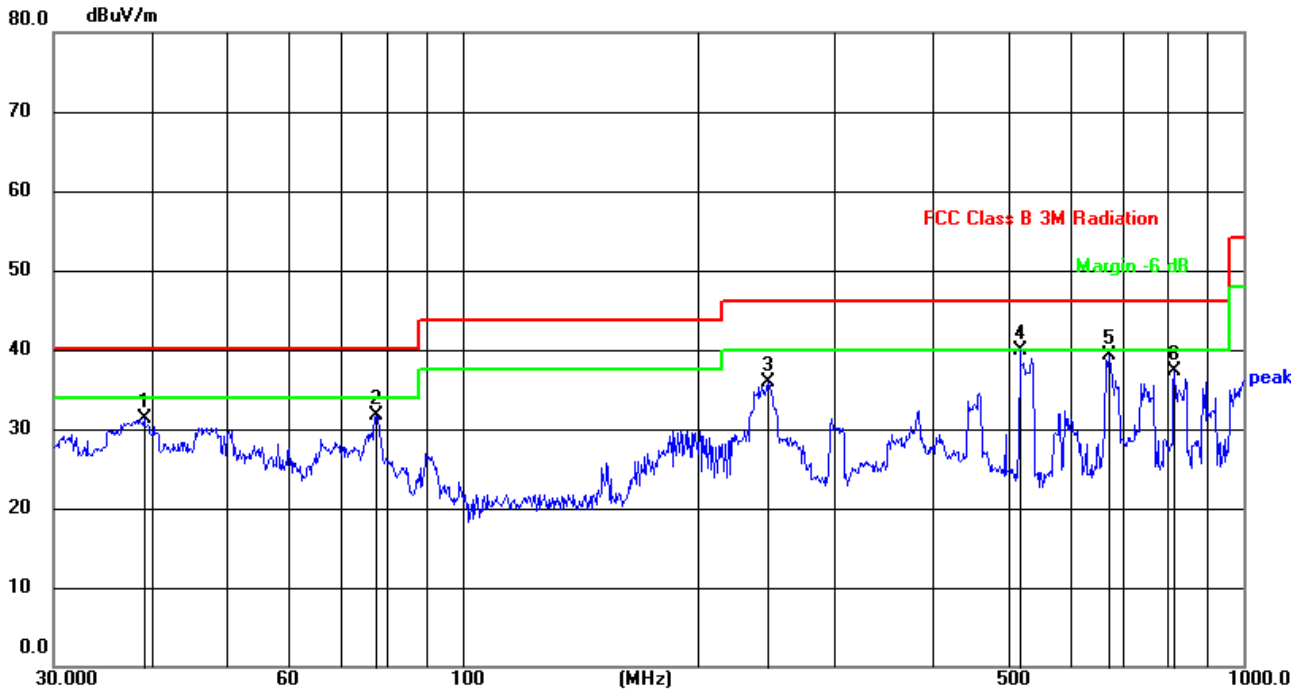
|              |                           |                    |          |
|--------------|---------------------------|--------------------|----------|
| Temperature: | 21.9°C                    | Relative Humidity: | 63%      |
| Pressure:    | 101.2kPa                  | Test Voltage :     | DC 11.1V |
| Test Mode :  | 5.8G TX- 802.11a(5745MHz) |                    |          |

### Horizontal:



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 77.5926         | 58.97          | -25.62        | 33.35          | 40.00          | -6.65       | QP       |
| 2   | 170.1947        | 52.87          | -20.98        | 31.89          | 43.50          | -11.61      | QP       |
| 3   | 249.4250        | 56.34          | -22.28        | 34.06          | 46.00          | -11.94      | QP       |
| 4   | 517.2476        | 49.34          | -13.73        | 35.61          | 46.00          | -10.39      | QP       |
| 5   | 675.2078        | 47.87          | -9.99         | 37.88          | 46.00          | -8.12       | QP       |
| 6   | 887.6096        | 40.06          | -5.65         | 34.41          | 46.00          | -11.59      | QP       |

**Vertical:**



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 39.1613         | 52.39          | -21.08        | 31.31          | 40.00          | -8.69       | QP       |
| 2   | 77.5926         | 57.31          | -25.62        | 31.69          | 40.00          | -8.31       | QP       |
| 3   | 245.9507        | 58.32          | -22.34        | 35.98          | 46.00          | -10.02      | QP       |
| 4   | 517.2476        | 53.59          | -13.73        | 39.86          | 46.00          | -6.14       | QP       |
| 5   | 672.8442        | 49.37          | -10.04        | 39.33          | 46.00          | -6.67       | QP       |
| 6   | 815.9678        | 43.65          | -6.43         | 37.22          | 46.00          | -8.78       | QP       |

**Remarks:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The test data shows only the worst case 802.11a mode

### Above 1GHz:

**Remark: The test data shows only the worst case 802.11a mode.**

|              |                    |                    |          |
|--------------|--------------------|--------------------|----------|
| Temperature: | 21.9°C             | Relative Humidity: | 63%      |
| Pressure:    | 101.2kPa           | Test Voltage :     | DC 11.1V |
| Test Mode :  | 5.2G TX- 802.11n20 |                    |          |

| Polar<br>(H/V)      | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits | Margin | Detect or<br>Type |
|---------------------|-----------|------------------|--------|-------------------|--------|--------|-------------------|
|                     | MHz       | dBuV             | dB     | dBuV/m            | dBuV/m | dB     |                   |
| Low Channel:5180MHz |           |                  |        |                   |        |        |                   |
| V                   | 10360.00  | 40.50            | 1.77   | 42.27             | 68.20  | -25.93 | PK                |
| V                   | 10360.00  | 36.02            | 1.77   | 37.79             | 54.00  | -16.21 | AV                |
| V                   | 15540.00  | 44.95            | 7.72   | 52.67             | 74.00  | -21.33 | PK                |
| V                   | 15540.00  | 34.64            | 7.72   | 42.36             | 54.00  | -11.64 | AV                |
| V                   | 20720.00  | 50.29            | -5.73  | 44.56             | 68.20  | -23.64 | PK                |
| V                   | 20720.00  | 45.92            | -5.73  | 40.19             | 54.00  | -13.81 | AV                |
| V                   | 25900.00  | 47.04            | -2.89  | 44.15             | 68.20  | -24.05 | PK                |
| V                   | 25900.00  | 41.94            | -2.89  | 39.05             | 54.00  | -14.95 | AV                |
| V                   | 31080.00  | 44.11            | 1.66   | 45.77             | 68.20  | -22.43 | PK                |
| V                   | 31080.00  | 39.53            | 1.66   | 41.19             | 54.00  | -12.81 | AV                |
| V                   | 36260.00  | 41.28            | 4.63   | 45.91             | 68.20  | -22.29 | PK                |
| V                   | 36260.00  | 36.64            | 4.63   | 41.27             | 54.00  | -12.73 | AV                |
| H                   | 10360.00  | 39.99            | 1.77   | 41.76             | 68.20  | -26.44 | PK                |
| H                   | 10360.00  | 35.53            | 1.77   | 37.30             | 54.00  | -16.70 | AV                |
| H                   | 15540.00  | 44.75            | 7.72   | 52.47             | 74.00  | -21.53 | PK                |
| H                   | 15540.00  | 35.03            | 7.72   | 42.75             | 54.00  | -11.25 | AV                |
| H                   | 20720.00  | 50.08            | -5.73  | 44.35             | 68.20  | -23.85 | PK                |
| H                   | 20720.00  | 45.07            | -5.73  | 39.34             | 54.00  | -14.66 | AV                |
| H                   | 25900.00  | 47.03            | -2.89  | 44.14             | 68.20  | -24.06 | PK                |
| H                   | 25900.00  | 42.34            | -2.89  | 39.45             | 54.00  | -14.55 | AV                |
| H                   | 31080.00  | 43.38            | 1.66   | 45.04             | 68.20  | -23.16 | PK                |
| H                   | 31080.00  | 38.41            | 1.66   | 40.07             | 54.00  | -13.93 | AV                |
| H                   | 36260.00  | 41.17            | 4.63   | 45.80             | 68.20  | -22.40 | PK                |
| H                   | 36260.00  | 37.10            | 4.63   | 41.73             | 54.00  | -12.27 | AV                |

Remark:

1. Emission Level = Meter Reading + Factor,  
Factor=Antenna Factor + Cable Loss – Pre-amplifier  
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

| Polar<br>(H/V)        | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits | Margin | Detect or<br>Type |
|-----------------------|-----------|------------------|--------|-------------------|--------|--------|-------------------|
|                       | MHz       | dBuV             | dB     | dBuV/m            | dBuV/m | dB     |                   |
| Middle Channel:5200Hz |           |                  |        |                   |        |        |                   |
| V                     | 10400.00  | 39.98            | 1.85   | 41.83             | 68.20  | -26.37 | PK                |
| V                     | 10400.00  | 35.89            | 1.85   | 37.74             | 54.00  | -16.26 | AV                |
| V                     | 15600.00  | 44.47            | 7.64   | 52.11             | 74.00  | -21.89 | PK                |
| V                     | 15600.00  | 34.32            | 7.64   | 41.96             | 54.00  | -12.04 | AV                |
| V                     | 20800.00  | 50.07            | -5.67  | 44.40             | 68.20  | -23.80 | PK                |
| V                     | 20800.00  | 45.24            | -5.67  | 39.57             | 54.00  | -14.43 | AV                |
| V                     | 26000.00  | 47.19            | -2.85  | 44.34             | 68.20  | -23.86 | PK                |
| V                     | 26000.00  | 42.13            | -2.85  | 39.28             | 54.00  | -14.72 | AV                |
| V                     | 31200.00  | 43.50            | 1.57   | 45.07             | 68.20  | -23.13 | PK                |
| V                     | 31200.00  | 38.75            | 1.57   | 40.32             | 54.00  | -13.68 | AV                |
| V                     | 36400.00  | 41.28            | 4.93   | 46.21             | 68.20  | -21.99 | PK                |
| V                     | 36400.00  | 37.11            | 4.93   | 42.04             | 54.00  | -11.96 | AV                |
| H                     | 10400.00  | 40.42            | 1.85   | 42.27             | 68.20  | -25.93 | PK                |
| H                     | 10400.00  | 36.54            | 1.85   | 38.39             | 54.00  | -15.61 | AV                |
| H                     | 15600.00  | 46.08            | 7.64   | 53.72             | 74.00  | -20.28 | PK                |
| H                     | 15600.00  | 36.04            | 7.64   | 43.68             | 54.00  | -10.32 | AV                |
| H                     | 20800.00  | 51.02            | -5.67  | 45.35             | 68.20  | -22.85 | PK                |
| H                     | 20800.00  | 45.90            | -5.67  | 40.23             | 54.00  | -13.77 | AV                |
| H                     | 26000.00  | 45.12            | -2.85  | 42.27             | 68.20  | -25.93 | PK                |
| H                     | 26000.00  | 33.19            | -2.85  | 30.34             | 54.00  | -23.66 | AV                |
| H                     | 31200.00  | 43.37            | 1.57   | 44.94             | 68.20  | -23.27 | PK                |
| H                     | 31200.00  | 38.39            | 1.57   | 39.96             | 54.00  | -14.04 | AV                |
| H                     | 36400.00  | 41.02            | 4.93   | 45.95             | 68.20  | -22.25 | PK                |
| H                     | 36400.00  | 36.26            | 4.93   | 41.19             | 54.00  | -12.81 | AV                |

Remark:

1. Emission Level = Meter Reading + Factor,  
Factor=Antenna Factor + Cable Loss – Pre-amplifier  
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

| Polar<br>(H/V)       | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits | Margin | Detect or<br>Type |
|----------------------|-----------|------------------|--------|-------------------|--------|--------|-------------------|
|                      | MHz       | dBuV             | dB     | dBuV/m            | dBuV/m | dB     |                   |
| High Channel:5240MHz |           |                  |        |                   |        |        |                   |
| V                    | 10480.00  | 41.53            | 2.02   | 43.55             | 68.20  | -24.65 | PK                |
| V                    | 10480.00  | 36.92            | 2.02   | 38.94             | 54.00  | -15.06 | AV                |
| V                    | 15720.00  | 43.56            | 7.46   | 51.02             | 74.00  | -22.98 | PK                |
| V                    | 15720.00  | 33.90            | 7.46   | 41.36             | 54.00  | -12.64 | AV                |
| V                    | 20960.00  | 50.38            | -5.56  | 44.82             | 68.20  | -23.38 | PK                |
| V                    | 20960.00  | 45.54            | -5.56  | 39.98             | 54.00  | -14.02 | AV                |
| V                    | 26200.00  | 46.42            | -2.50  | 43.92             | 68.20  | -24.28 | PK                |
| V                    | 26200.00  | 42.32            | -2.50  | 39.82             | 54.00  | -14.18 | AV                |
| V                    | 31440.00  | 43.66            | 1.39   | 45.05             | 68.20  | -23.15 | PK                |
| V                    | 31440.00  | 38.92            | 1.39   | 40.31             | 54.00  | -13.69 | AV                |
| V                    | 36680.00  | 40.76            | 5.25   | 46.01             | 68.20  | -22.19 | PK                |
| V                    | 36680.00  | 36.68            | 5.25   | 41.93             | 54.00  | -12.07 | AV                |
| H                    | 10480.00  | 40.74            | 2.02   | 42.76             | 68.20  | -25.44 | PK                |
| H                    | 10480.00  | 36.00            | 2.02   | 38.02             | 54.00  | -15.98 | AV                |
| H                    | 15720.00  | 44.88            | 7.46   | 52.34             | 74.00  | -21.66 | PK                |
| H                    | 15720.00  | 34.85            | 7.46   | 42.31             | 54.00  | -11.69 | AV                |
| H                    | 20960.00  | 51.10            | -5.56  | 45.54             | 68.20  | -22.66 | PK                |
| H                    | 20960.00  | 45.86            | -5.56  | 40.30             | 54.00  | -13.70 | AV                |
| H                    | 26200.00  | 46.85            | -2.50  | 44.35             | 68.20  | -23.85 | PK                |
| H                    | 26200.00  | 42.99            | -2.50  | 40.49             | 54.00  | -13.51 | AV                |
| H                    | 31440.00  | 43.89            | 1.39   | 45.28             | 68.20  | -22.92 | PK                |
| H                    | 31440.00  | 39.92            | 1.39   | 41.31             | 54.00  | -12.69 | AV                |
| H                    | 36680.00  | 41.76            | 5.15   | 46.91             | 68.20  | -21.29 | PK                |
| H                    | 36680.00  | 41.53            | 5.15   | 46.68             | 54.00  | -7.32  | AV                |

# Remark:

1. Emission Level = Meter Reading + Factor,  
Factor=Antenna Factor + Cable Loss – Pre-amplifier  
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

|              |                  |                    |          |
|--------------|------------------|--------------------|----------|
| Temperature: | 21.9°C           | Relative Humidity: | 63%      |
| Pressure:    | 101.2kPa         | Test Voltage :     | DC 11.1V |
| Test Mode :  | 5.8G TX- 802.11a |                    |          |

| Polar<br>(H/V)      | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits | Margin | Detect or<br>Type |
|---------------------|-----------|------------------|--------|-------------------|--------|--------|-------------------|
|                     | MHz       | dBuV             | dB     | dBuV/m            | dBuV/m | dB     |                   |
| Low Channel:5745MHz |           |                  |        |                   |        |        |                   |
| V                   | 11490.00  | 44.21            | 3.31   | 47.52             | 74.00  | -26.48 | PK                |
| V                   | 11490.00  | 35.24            | 3.31   | 38.55             | 54.00  | -15.45 | AV                |
| V                   | 17235.00  | 40.77            | 10.10  | 50.87             | 68.20  | -17.33 | PK                |
| V                   | 17235.00  | 35.78            | 10.10  | 45.88             | 54.00  | -8.12  | AV                |
| V                   | 22980.00  | 52.19            | -4.61  | 47.58             | 74.00  | -26.43 | PK                |
| V                   | 22980.00  | 43.23            | -4.61  | 38.62             | 54.00  | -15.38 | AV                |
| V                   | 28725.00  | 45.08            | 0.87   | 45.95             | 68.20  | -22.25 | PK                |
| V                   | 28725.00  | 40.19            | 0.87   | 41.06             | 54.00  | -12.94 | AV                |
| V                   | 34470.00  | 41.41            | 3.82   | 45.23             | 68.20  | -22.98 | PK                |
| V                   | 34470.00  | 37.05            | 3.82   | 40.87             | 54.00  | -13.13 | AV                |
| H                   | 11490.00  | 44.49            | 3.31   | 47.80             | 74.00  | -26.20 | PK                |
| H                   | 11490.00  | 34.61            | 3.31   | 37.92             | 54.00  | -16.08 | AV                |
| H                   | 17235.00  | 39.37            | 10.10  | 49.47             | 68.20  | -18.73 | PK                |
| H                   | 17235.00  | 34.54            | 10.10  | 44.64             | 54.00  | -9.36  | AV                |
| H                   | 22980.00  | 54.35            | -4.61  | 49.74             | 74.00  | -24.26 | PK                |
| H                   | 22980.00  | 44.07            | -4.61  | 39.46             | 54.00  | -14.54 | AV                |
| H                   | 28725.00  | 45.06            | 0.87   | 45.93             | 68.20  | -22.27 | PK                |
| H                   | 28725.00  | 40.94            | 0.87   | 41.81             | 54.00  | -12.19 | AV                |
| H                   | 34470.00  | 41.78            | 3.82   | 45.60             | 68.20  | -22.60 | PK                |
| H                   | 34470.00  | 37.79            | 3.82   | 41.61             | 54.00  | -12.39 | AV                |

Remark:

1. Emission Level = Meter Reading + Factor,  
Factor=Antenna Factor + Cable Loss – Pre-amplifier  
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

| Polar<br>(H/V)      | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits | Margin | Detect or<br>Type |
|---------------------|-----------|------------------|--------|-------------------|--------|--------|-------------------|
|                     | MHz       | dBuV             | dB     | dBuV/m            | dBuV/m | dB     |                   |
| Low Channel:5785MHz |           |                  |        |                   |        |        |                   |
| V                   | 11570.00  | 44.84            | 3.34   | 48.18             | 74.00  | -25.82 | PK                |
| V                   | 11570.00  | 35.00            | 3.34   | 38.34             | 54.00  | -15.66 | AV                |
| V                   | 17355.00  | 40.74            | 10.52  | 51.26             | 68.20  | -16.94 | PK                |
| V                   | 17355.00  | 36.33            | 10.52  | 46.85             | 54.00  | -7.15  | AV                |
| V                   | 23140.00  | 51.85            | -4.66  | 47.19             | 74.00  | -26.81 | PK                |
| V                   | 23140.00  | 42.59            | -4.66  | 37.93             | 54.00  | -16.07 | AV                |
| V                   | 28925.00  | 44.60            | 1.36   | 45.96             | 68.20  | -22.24 | PK                |
| V                   | 28925.00  | 41.06            | 1.36   | 42.42             | 54.00  | -11.58 | AV                |
| V                   | 34710.00  | 41.21            | 3.95   | 45.16             | 68.20  | -23.04 | PK                |
| V                   | 34710.00  | 36.68            | 3.95   | 40.63             | 54.00  | -13.37 | AV                |
| H                   | 11570.00  | 45.60            | 3.34   | 48.94             | 74.00  | -25.06 | PK                |
| H                   | 11570.00  | 35.91            | 3.34   | 39.25             | 54.00  | -14.75 | AV                |
| H                   | 17355.00  | 39.19            | 10.52  | 49.71             | 68.20  | -18.49 | PK                |
| H                   | 17355.00  | 32.60            | 10.52  | 43.12             | 54.00  | -10.88 | AV                |
| H                   | 23140.00  | 51.25            | -4.66  | 46.59             | 74.00  | -27.41 | PK                |
| H                   | 23140.00  | 40.57            | -4.66  | 35.91             | 54.00  | -18.09 | AV                |
| H                   | 28925.00  | 50.08            | 1.36   | 51.44             | 68.20  | -16.76 | PK                |
| H                   | 28925.00  | 44.86            | 1.36   | 46.22             | 54.00  | -7.78  | AV                |
| H                   | 34710.00  | 50.35            | 3.95   | 54.30             | 68.20  | -13.90 | PK                |
| H                   | 34710.00  | 39.87            | 3.95   | 43.82             | 54.00  | -10.18 | AV                |

Remark:

1. Emission Level = Meter Reading + Factor,  
Factor=Antenna Factor + Cable Loss – Pre-amplifier  
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

| Polar<br>(H/V)      | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits | Margin | Detect or<br>Type |
|---------------------|-----------|------------------|--------|-------------------|--------|--------|-------------------|
|                     | MHz       | dBuV             | dB     | dBuV/m            | dBuV/m | dB     |                   |
| Low Channel:5825MHz |           |                  |        |                   |        |        |                   |
| V                   | 11650.00  | 43.30            | 3.36   | 46.66             | 74.00  | -27.34 | PK                |
| V                   | 11650.00  | 34.39            | 3.36   | 37.75             | 54.00  | -16.25 | AV                |
| V                   | 17475.00  | 40.08            | 10.93  | 51.01             | 68.20  | -17.19 | PK                |
| V                   | 17475.00  | 35.86            | 10.93  | 46.79             | 54.00  | -7.21  | AV                |
| V                   | 23300.00  | 50.17            | -4.77  | 45.40             | 68.20  | -22.80 | PK                |
| V                   | 23300.00  | 45.12            | -4.77  | 40.35             | 54.00  | -13.65 | AV                |
| V                   | 29125.00  | 45.04            | 1.65   | 46.69             | 68.20  | -21.51 | PK                |
| V                   | 29125.00  | 39.87            | 1.65   | 41.52             | 54.00  | -12.48 | AV                |
| V                   | 34950.00  | 39.85            | 4.09   | 43.94             | 68.20  | -24.26 | PK                |
| V                   | 34950.00  | 36.32            | 4.09   | 40.41             | 54.00  | -13.59 | AV                |
| H                   | 11650.00  | 46.02            | 3.36   | 49.38             | 74.00  | -24.62 | PK                |
| H                   | 11650.00  | 35.76            | 3.36   | 39.12             | 54.00  | -14.88 | AV                |
| H                   | 17475.00  | 38.34            | 10.93  | 49.27             | 68.20  | -18.93 | PK                |
| H                   | 17475.00  | 34.81            | 10.93  | 45.74             | 54.00  | -8.26  | AV                |
| H                   | 23300.00  | 49.21            | -4.77  | 44.44             | 68.20  | -23.76 | PK                |
| H                   | 23300.00  | 45.92            | -4.77  | 41.15             | 54.00  | -12.85 | AV                |
| H                   | 29125.00  | 45.86            | 1.65   | 47.51             | 68.20  | -20.69 | PK                |
| H                   | 29125.00  | 41.62            | 1.65   | 43.27             | 54.00  | -10.73 | AV                |
| H                   | 34950.00  | 43.30            | 4.09   | 47.39             | 68.20  | -20.81 | PK                |
| H                   | 34950.00  | 34.39            | 4.09   | 38.48             | 54.00  | -15.52 | AV                |

Remark:

1. Emission Level = Meter Reading + Factor,  
Factor=Antenna Factor + Cable Loss – Pre-amplifier  
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

## **5 Test Setup Photo**

Reference to the file No.: ET-26041390SP for details.

## **6 EUT Constructional Details**

Reference to the file No.: ET-26041390EP and ET-26041390IP for details

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