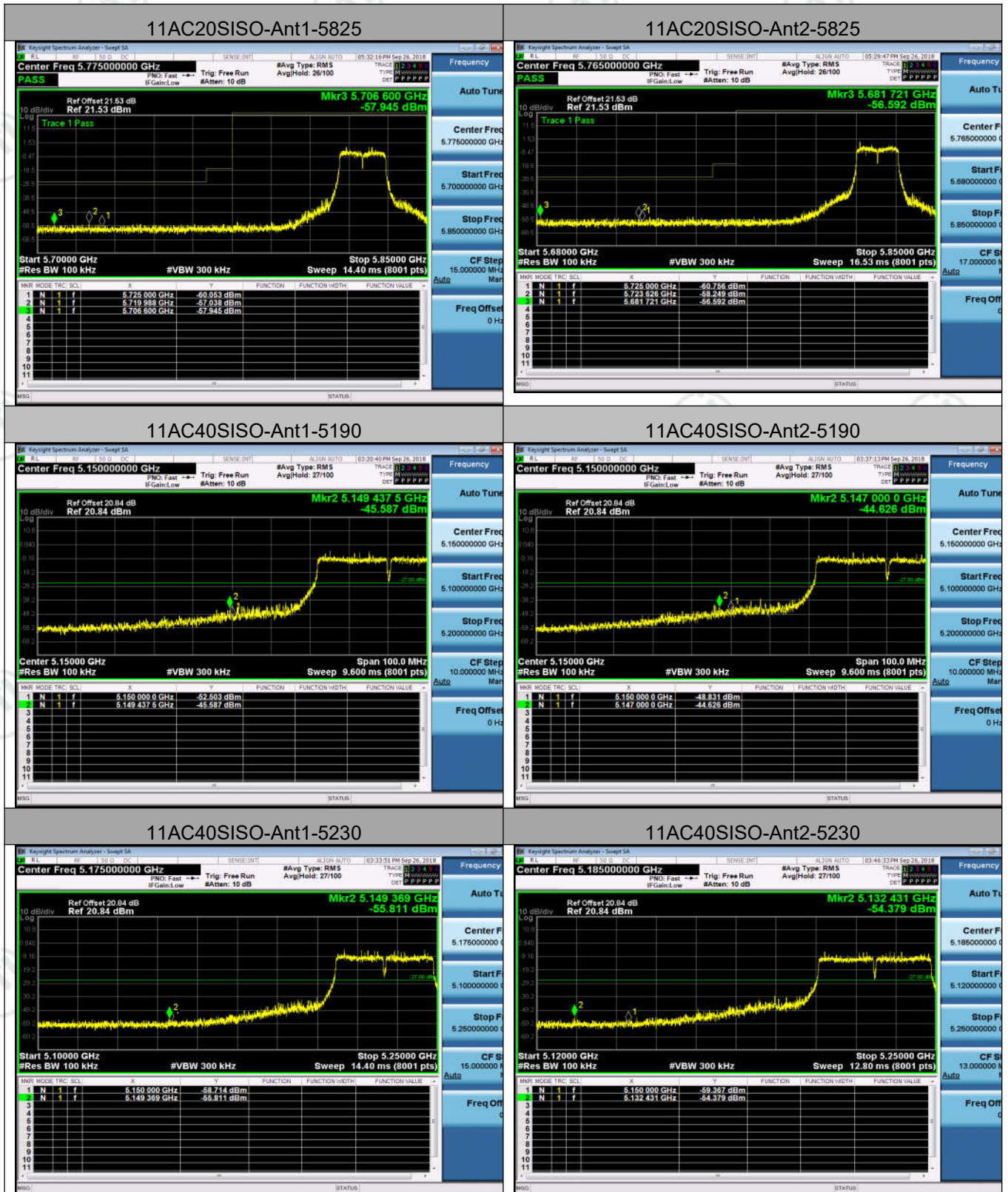
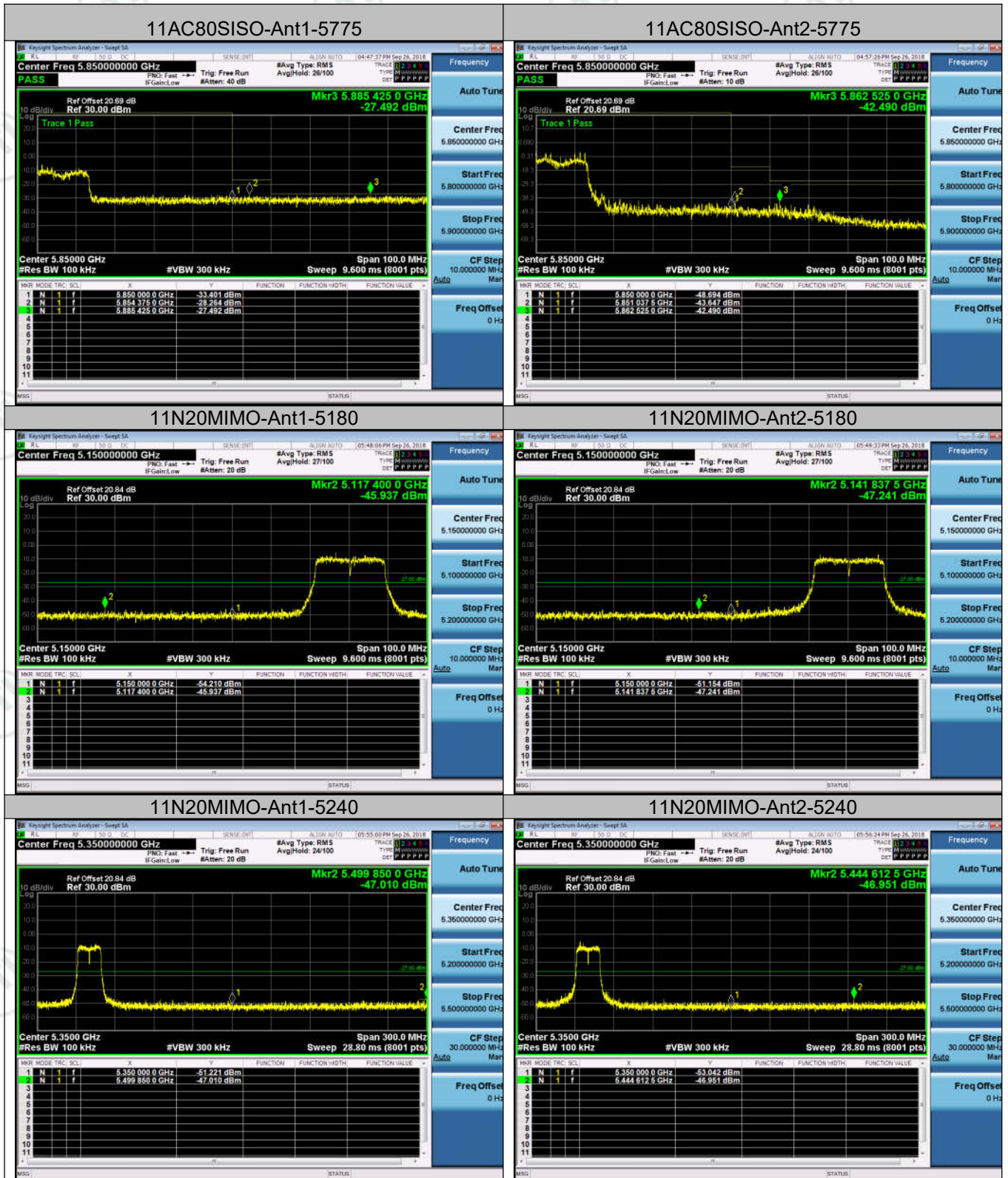
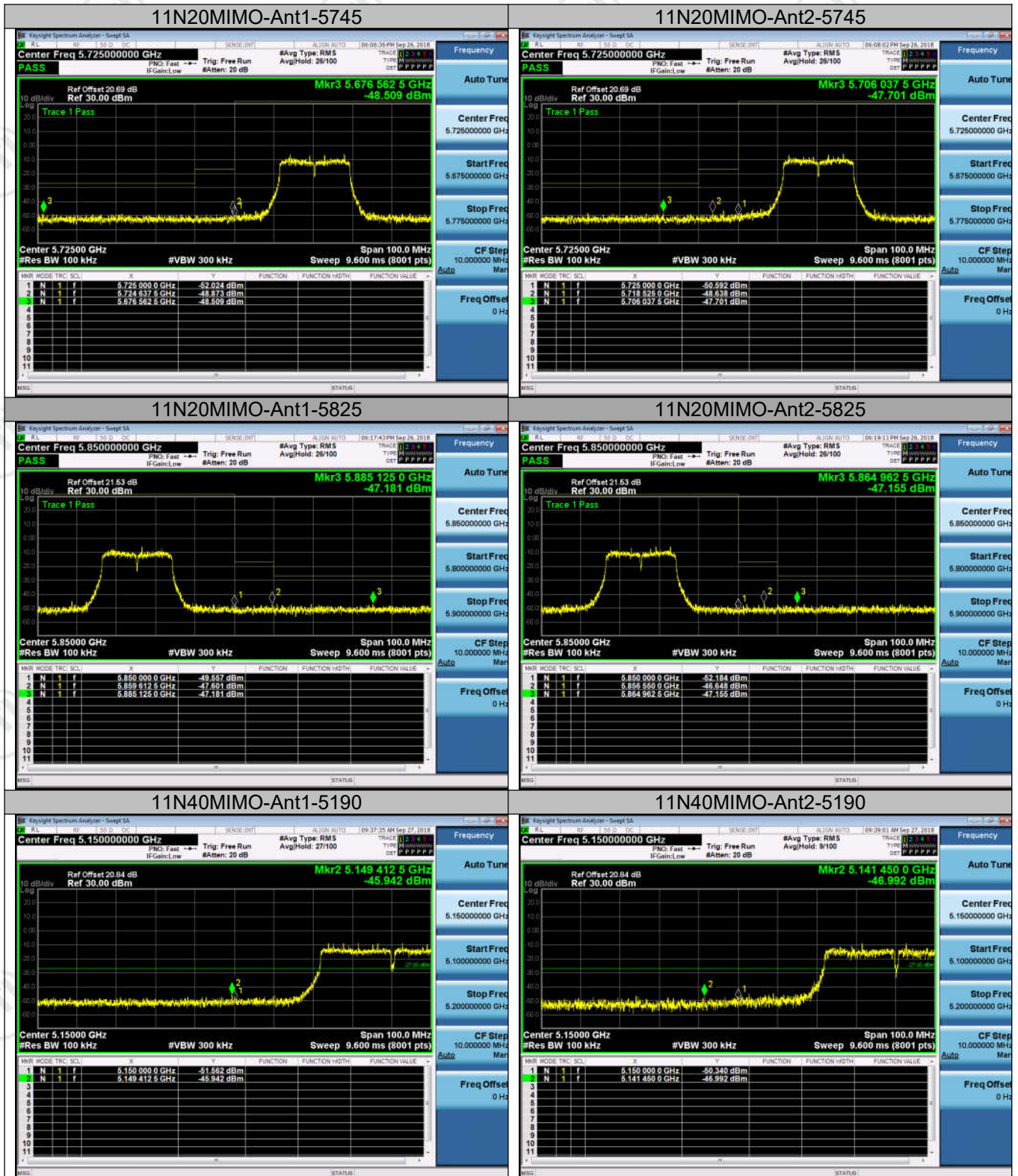
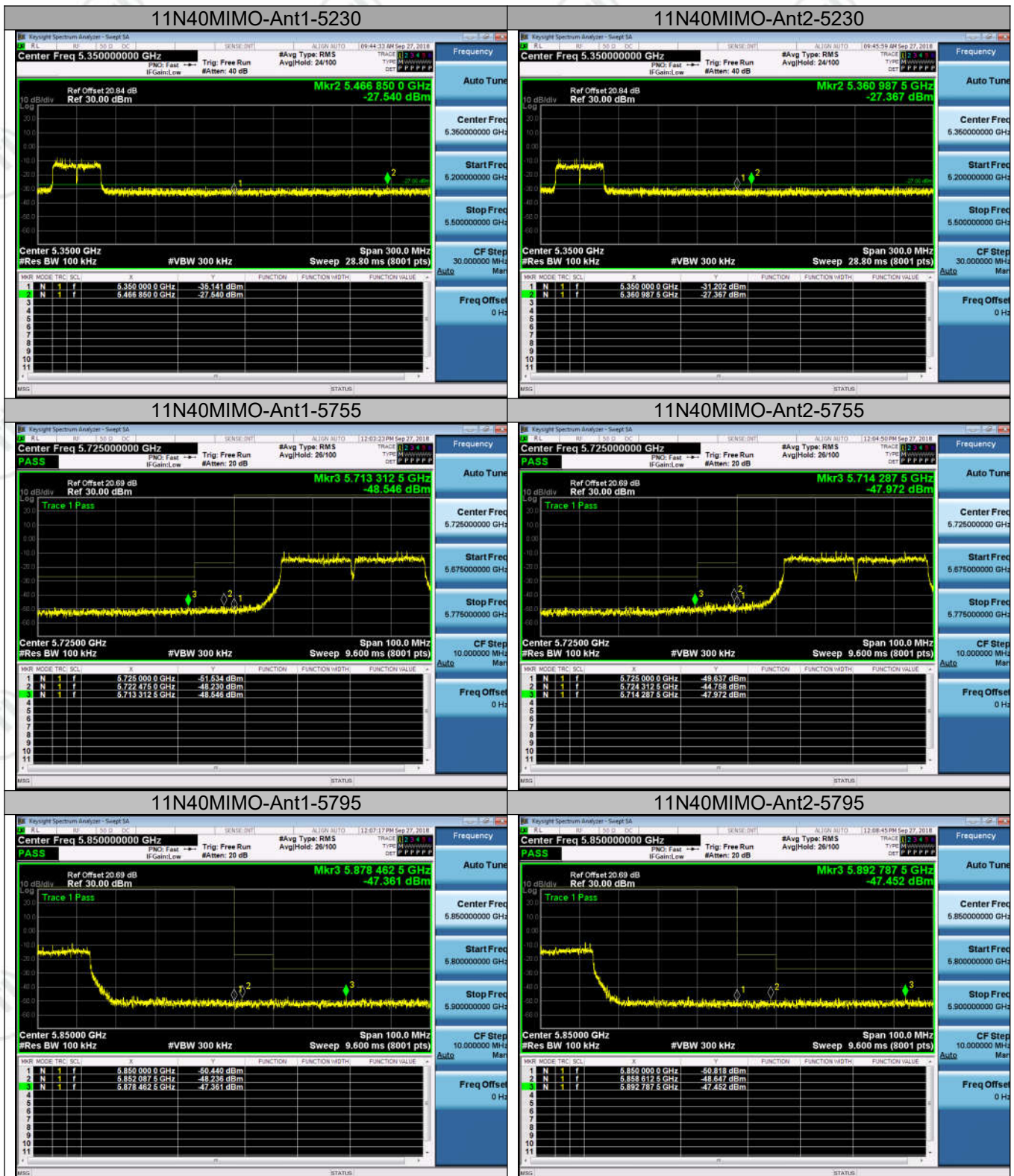


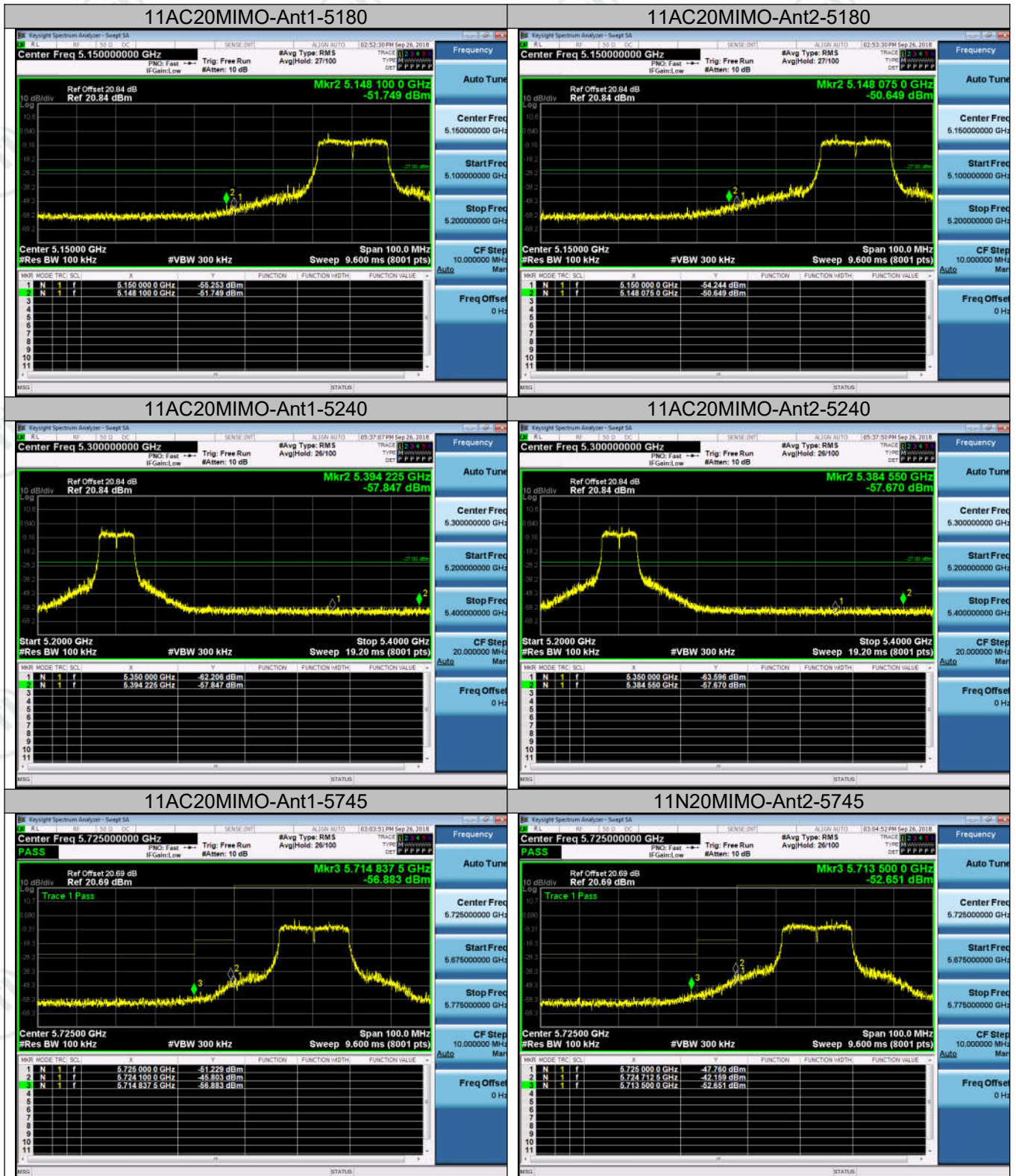






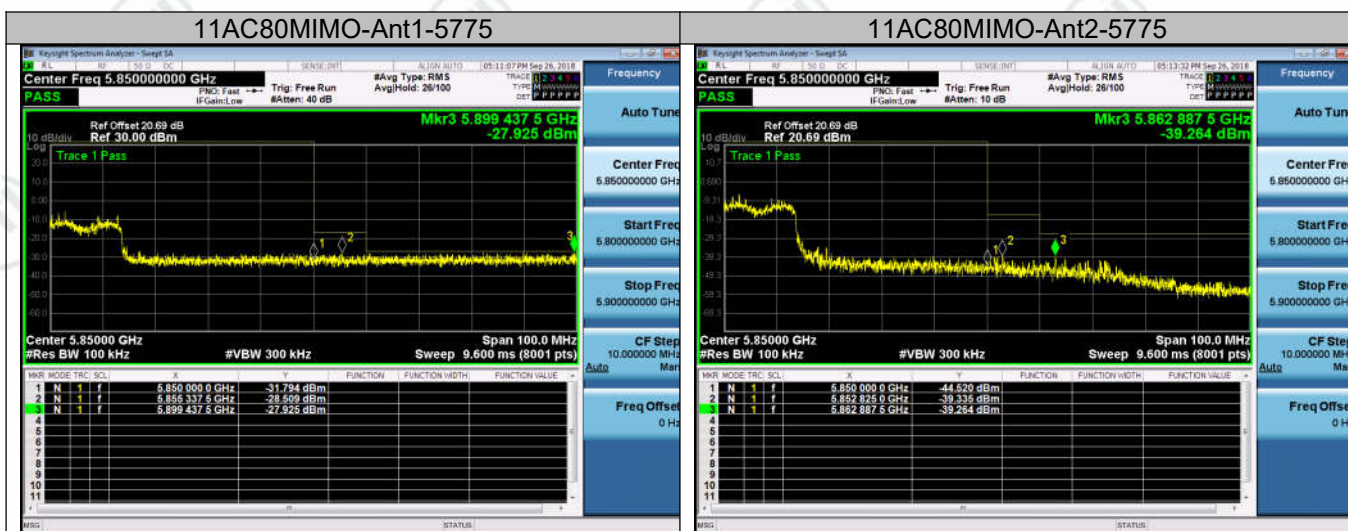












## Appendix E): Frequency Stability

### Frequency Error vs. Voltage:

| Test Mode | Antenna | Channel | Temp. | Volt. | Freq.Error(MHz) | Freq.vs.rated(ppm) | Verdict |
|-----------|---------|---------|-------|-------|-----------------|--------------------|---------|
| 11A       | Ant1    | 5180    | TN    | VL    | 5180.1          | 19.305019          | PASS    |
|           |         |         | TN    | VN    | 5180.1          | 19.305019          | PASS    |
|           |         |         | TN    | VH    | 5180.04         | 7.722008           | PASS    |
| 11A       | Ant1    | 5785    | TN    | VL    | 5785.02         | 3.457217           | PASS    |
|           |         |         | TN    | VN    | 5785.08         | 13.828868          | PASS    |
|           |         |         | TN    | VH    | 5785.08         | 13.828868          | PASS    |

### Frequency Error vs. Temperature:

| Test Mode | Antenna | Channel | Temp. | Volt. | Freq.Error(MHz) | Freq.vs.rated(ppm) | Verdict |
|-----------|---------|---------|-------|-------|-----------------|--------------------|---------|
| 11A       | Ant1    | 5180    | 60    | VN    | 5180.06         | 11.583012          | PASS    |
|           |         |         | 50    | VN    | 5180.02         | 3.861004           | PASS    |
|           |         |         | 40    | VN    | 5180.04         | 7.722008           | PASS    |
|           |         |         | 30    | VN    | 5180.1          | 19.305019          | PASS    |
|           |         |         | 20    | VN    | 5180.02         | 3.861004           | PASS    |
|           |         |         | 10    | VN    | 5180            | 0                  | PASS    |
|           |         |         | 0     | VN    | 5180.02         | 3.861004           | PASS    |
| 11A       | Ant1    | 5745    | 60    | VN    | 5745.06         | 10.443864          | PASS    |
|           |         |         | 50    | VN    | 5745.06         | 10.443864          | PASS    |
|           |         |         | 40    | VN    | 5745.06         | 10.443864          | PASS    |
|           |         |         | 30    | VN    | 5745.1          | 17.40644           | PASS    |
|           |         |         | 20    | VN    | 5745.1          | 17.40644           | PASS    |
|           |         |         | 10    | VN    | 5745.08         | 13.925152          | PASS    |
|           |         |         | 0     | VN    | 5745.08         | 13.925152          | PASS    |

Note: All the modulation and channels had been tested, but only the worst data recorded in the report.

## Appendix F): Antenna Requirement

### 15.203 requirement:

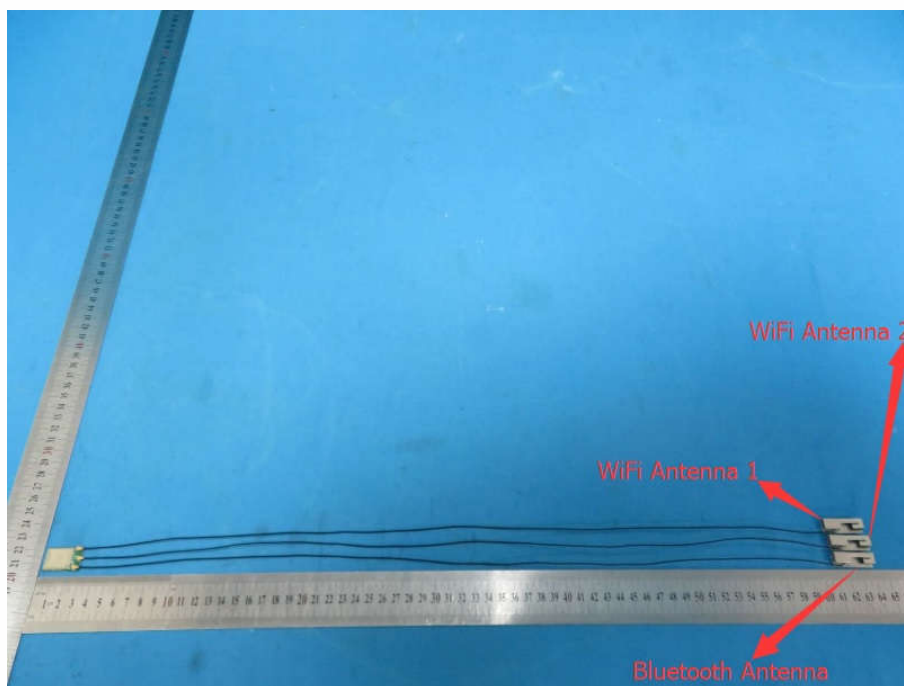
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

### 15.407(a)(1) (2) requirement:

The conducted output power limit specified in paragraph (a) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (a) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power and the peak power spectral density shall be reduced by the by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### EUT Antenna:

The antenna is PIFA Antenna and no consideration of replacement. The best case gain of the 5G WiFi antenna is 4.57dBi.



## Appendix G): Operation in the absence of information to the transmit

### 15.407(c) requirement:

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

### Operation in the absence of information to the transmit

When the device is not transmitting any information, the device can automatically discontinue transmission and become standby mode for power saving. The device can detect WAKE-UP signal and verify whether it shall resend or discontinue transmission.. (manufacturer declare )

## Appendix H): AC Power Line Conducted Emission

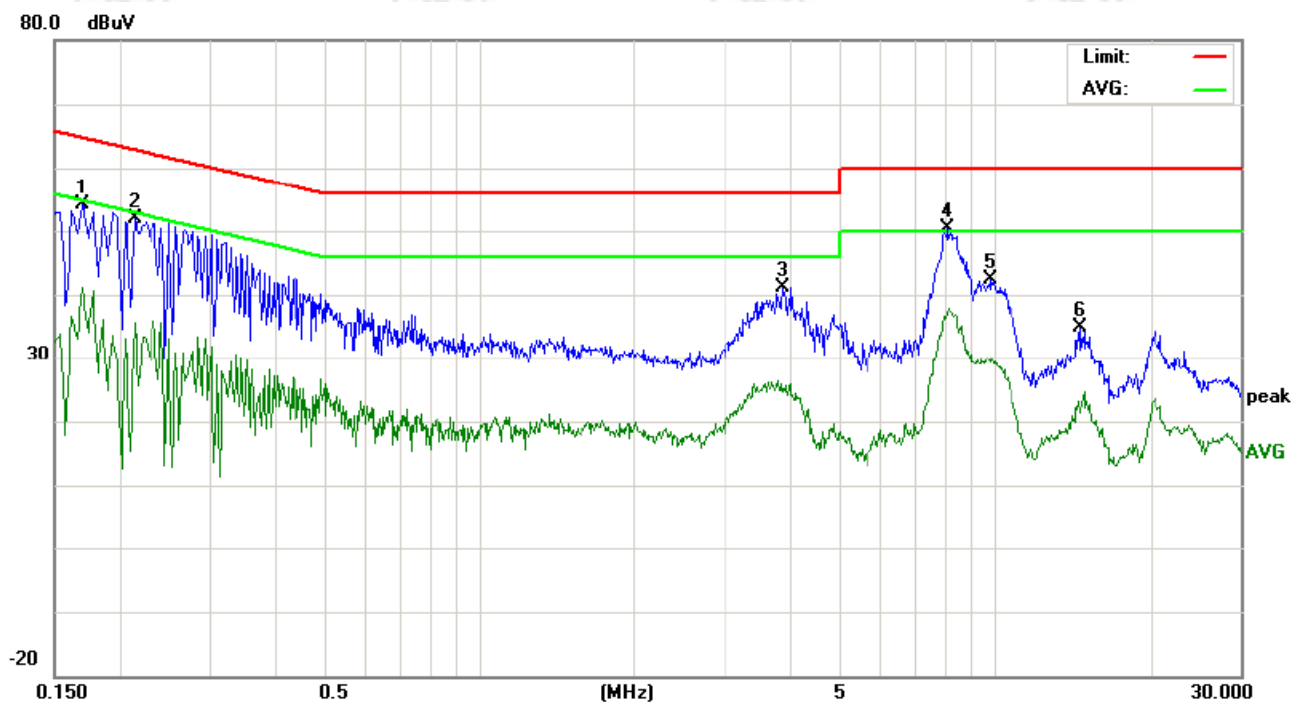
| Test Procedure:       | <p>Test frequency range :150KHz-30MHz</p> <ol style="list-style-type: none"> <li>1)The mains terminal disturbance voltage test was conducted in a shielded room.</li> <li>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a <math>50\Omega/50\mu\text{H} + 5\Omega</math> linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.</li> <li>3)The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,</li> <li>4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.</li> <li>5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.</li> </ol> |           |                       |                    |  |            |         |          |           |           |       |    |    |      |    |    |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------|--------------------|--|------------|---------|----------|-----------|-----------|-------|----|----|------|----|----|
| Limit:                | <table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dB<math>\mu</math>V)</th></tr> <tr> <th>Quasi-peak</th><th>Average</th></tr> </thead> <tbody> <tr> <td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr> <tr> <td>0.5-5</td><td>56</td><td>46</td></tr> <tr> <td>5-30</td><td>60</td><td>50</td></tr> </tbody> </table> <p>* The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.<br/>NOTE : The lower limit is applicable at the transition frequency</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | Frequency range (MHz) | Limit (dB $\mu$ V) |  | Quasi-peak | Average | 0.15-0.5 | 66 to 56* | 56 to 46* | 0.5-5 | 56 | 46 | 5-30 | 60 | 50 |
| Frequency range (MHz) | Limit (dB $\mu$ V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                       |                    |  |            |         |          |           |           |       |    |    |      |    |    |
|                       | Quasi-peak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Average   |                       |                    |  |            |         |          |           |           |       |    |    |      |    |    |
| 0.15-0.5              | 66 to 56*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 56 to 46* |                       |                    |  |            |         |          |           |           |       |    |    |      |    |    |
| 0.5-5                 | 56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 46        |                       |                    |  |            |         |          |           |           |       |    |    |      |    |    |
| 5-30                  | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 50        |                       |                    |  |            |         |          |           |           |       |    |    |      |    |    |

### Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

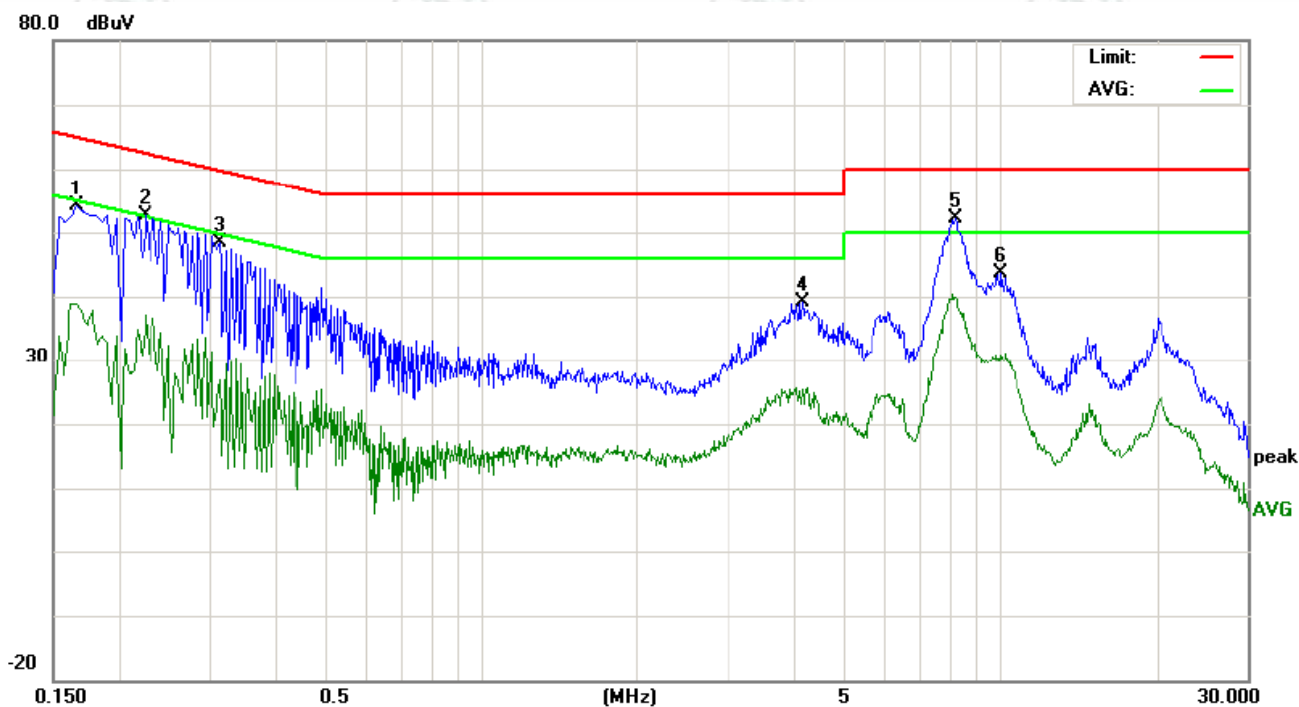
Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live line:



| No. | Freq.<br>MHz | Reading_Level<br>(dBuV) |       |       | Correct<br>Factor<br>dB | Measurement<br>(dBuV) |       |       | Limit<br>(dBuV) |       | Margin<br>(dB) |        | P/F | Comment |
|-----|--------------|-------------------------|-------|-------|-------------------------|-----------------------|-------|-------|-----------------|-------|----------------|--------|-----|---------|
|     |              | Peak                    | QP    | AVG   |                         | peak                  | QP    | AVG   | QP              | AVG   | QP             | AVG    |     |         |
| 1   | 0.1700       | 44.44                   | 41.56 | 31.31 | 9.74                    | 54.18                 | 51.30 | 41.05 | 64.96           | 54.96 | -13.66         | -13.91 | P   |         |
| 2   | 0.2140       | 42.21                   | 39.87 | 25.98 | 9.72                    | 51.93                 | 49.59 | 35.70 | 63.04           | 53.04 | -13.45         | -17.34 | P   |         |
| 3   | 3.8820       | 31.58                   | 28.54 | 14.98 | 9.66                    | 41.24                 | 38.20 | 24.64 | 56.00           | 46.00 | -17.80         | -21.36 | P   |         |
| 4   | 8.1420       | 40.77                   | 37.84 | 27.34 | 9.68                    | 50.45                 | 47.52 | 37.02 | 60.00           | 50.00 | -12.48         | -12.98 | P   |         |
| 5   | 9.8220       | 32.67                   | 29.65 | 20.01 | 9.78                    | 42.45                 | 39.43 | 29.79 | 60.00           | 50.00 | -20.57         | -20.21 | P   |         |
| 6   | 14.7100      | 24.83                   | 21.36 | 12.06 | 10.00                   | 34.83                 | 31.36 | 22.06 | 60.00           | 50.00 | -28.64         | -27.94 | P   |         |

Neutral line:



| No. | Freq.<br>MHz | Reading_Level<br>(dBuV) |       |       | Correct<br>Factor<br>dB | Measurement<br>(dBuV) |       |       | Limit<br>(dBuV) |       | Margin<br>(dB) |        | P/F | Comment |
|-----|--------------|-------------------------|-------|-------|-------------------------|-----------------------|-------|-------|-----------------|-------|----------------|--------|-----|---------|
|     |              | Peak                    | QP    | AVG   |                         | peak                  | QP    | AVG   | QP              | AVG   | QP             | AVG    |     |         |
| 1   | 0.1660       | 44.31                   | 41.32 | 29.07 | 9.75                    | 54.06                 | 51.07 | 38.82 | 65.15           | 55.15 | -14.08         | -16.33 | P   |         |
| 2   | 0.2260       | 42.81                   | 39.67 | 27.35 | 9.73                    | 52.54                 | 49.40 | 37.08 | 62.59           | 52.59 | -13.19         | -15.51 | P   |         |
| 3   | 0.3140       | 38.59                   | 35.24 | 17.09 | 9.78                    | 48.37                 | 45.02 | 26.87 | 59.86           | 49.86 | -14.84         | -22.99 | P   |         |
| 4   | 4.1700       | 29.54                   | 26.15 | 15.73 | 9.65                    | 39.19                 | 35.80 | 25.38 | 56.00           | 46.00 | -20.20         | -20.62 | P   |         |
| 5   | 8.2100       | 42.34                   | 39.78 | 30.22 | 9.69                    | 52.03                 | 49.47 | 39.91 | 60.00           | 50.00 | -10.53         | -10.09 | P   |         |
| 6   | 10.0380      | 33.87                   | 30.21 | 20.36 | 9.79                    | 43.66                 | 40.00 | 30.15 | 60.00           | 50.00 | -20.00         | -19.85 | P   |         |

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.

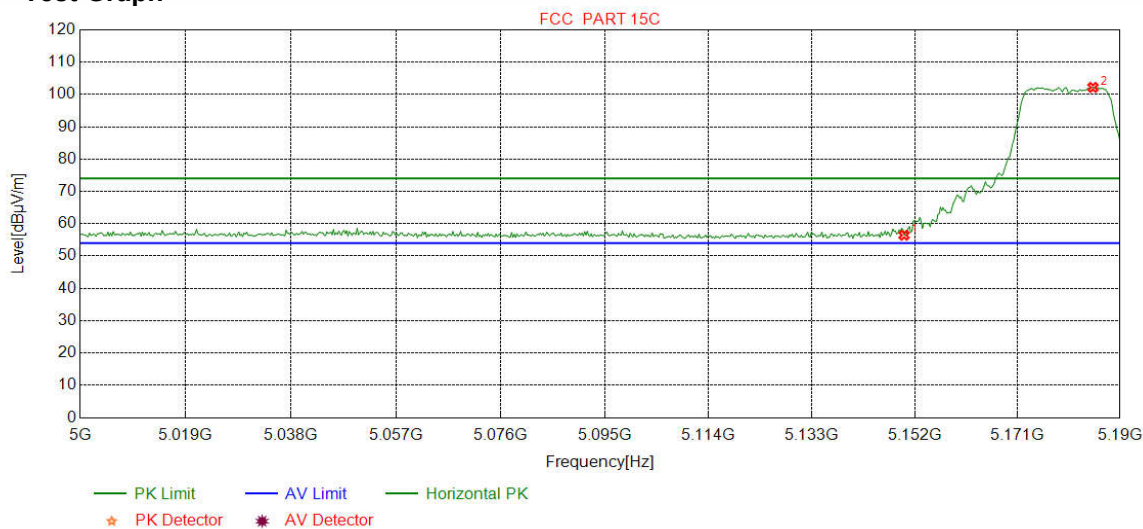
## Appendix I) Restricted bands around fundamental frequency (Radiated Emission)

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                  |        |            |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------|------------|
| Receiver Setup: | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Detector            | RBW              | VBW    | Remark     |
|                 | 30MHz-1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quasi-peak          | 120kHz           | 300kHz | Quasi-peak |
|                 | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Peak                | 1MHz             | 3MHz   | Peak       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Peak                | 1MHz             | 10Hz   | Average    |
| Test Procedure: | <p><b>Below 1GHz test procedure as below:</b></p> <ol style="list-style-type: none"> <li>The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>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>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>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 was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</li> </ol> <p><b>Above 1GHz test procedure as below:</b></p> <ol style="list-style-type: none"> <li>Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre( Above 18GHz the distance is 1 meter and table is 1.5 metre).</li> <li>Test the EUT in the lowest channel , the Highest channel</li> <li>The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.</li> <li>Repeat above procedures until all frequencies measured was complete.</li> </ol> |                     |                  |        |            |
| Limit:          | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Limit (dBμV/m @3cm) | 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    |        |            |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 74.0                | Peak Value       |        |            |

**Test plot as follows:**

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 a(HT20) Transmitting | Channel: | 5180 |
|-------|-----------------------------|----------|------|

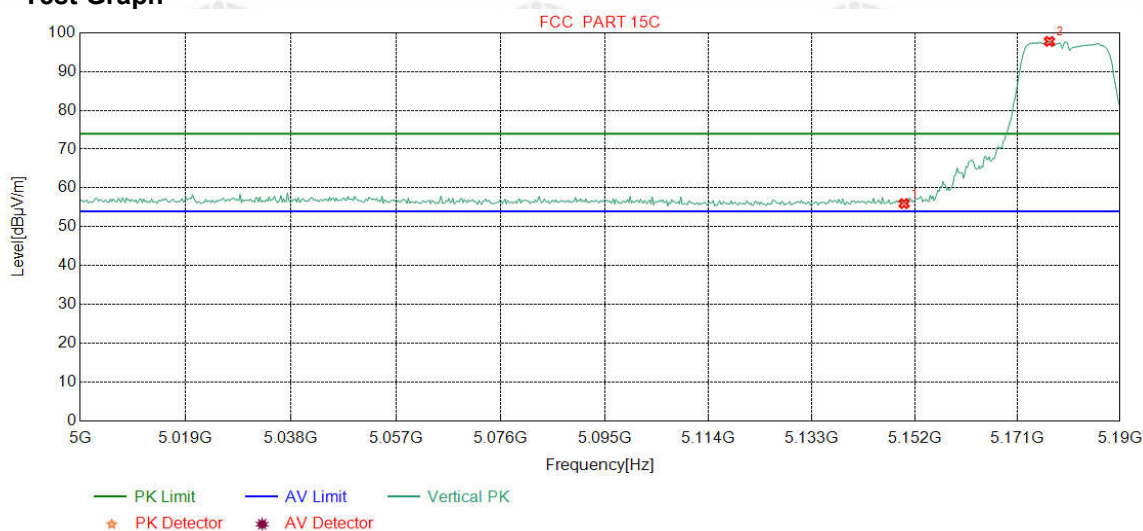
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 42.77          | 56.45          | 74.00          | 17.55       | Pass   | H        | Peak   |
| 2  | 5185.0063   | 34.69           | 15.42           | -35.95          | 88.03          | 102.19         | 74.00          | -28.19      | Pass   | H        | Peak   |

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 a(HT20) Transmitting | Channel: | 5180 |
|-------|-----------------------------|----------|------|

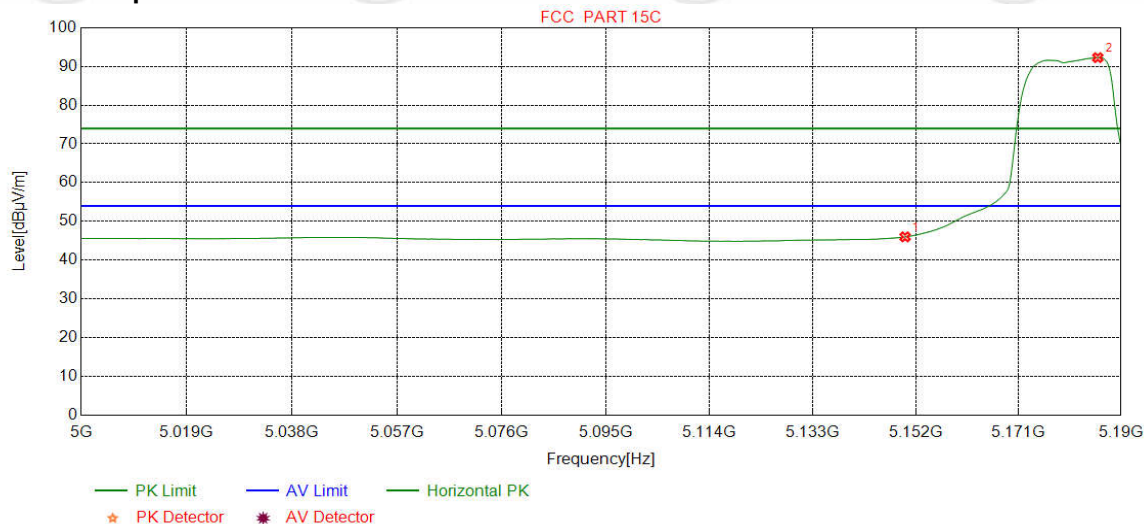
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 42.29          | 55.97          | 74.00          | 18.03       | Pass   | V        | Peak   |
| 2  | 5176.9212   | 34.68           | 15.34           | -35.97          | 83.73          | 97.78          | 74.00          | -23.78      | Pass   | V        | Peak   |

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 a(HT20) Transmitting | Channel: | 5180 |
|-------|-----------------------------|----------|------|

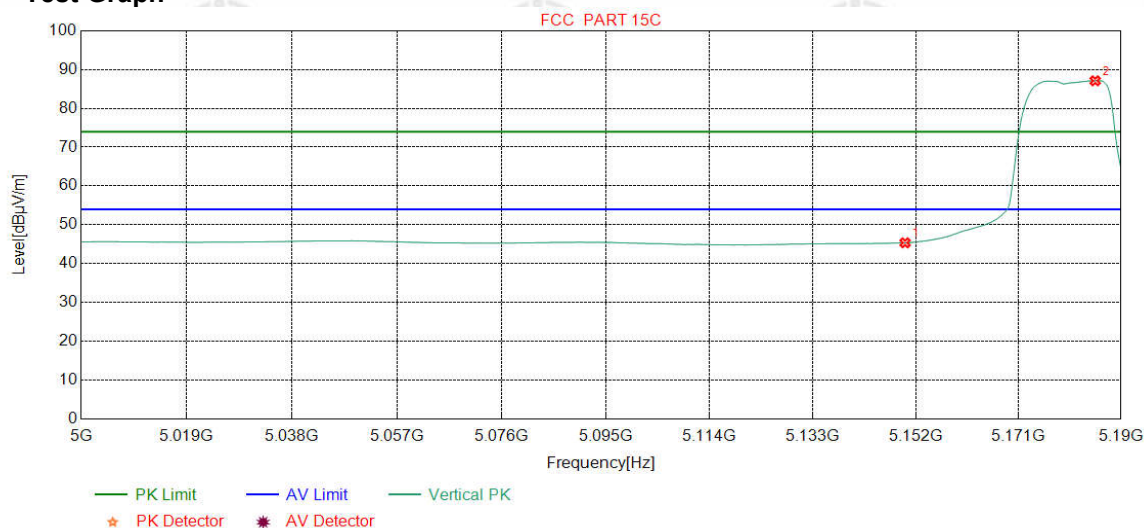
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 32.31          | 45.99          | 54.00          | 8.01        | Pass   | H        | AV     |
| 2  | 5185.7197   | 34.69           | 15.43           | -35.95          | 78.12          | 92.29          | 54.00          | -38.29      | Pass   | H        | AV     |

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 a(HT20) Transmitting | Channel: | 5180 |
|-------|-----------------------------|----------|------|

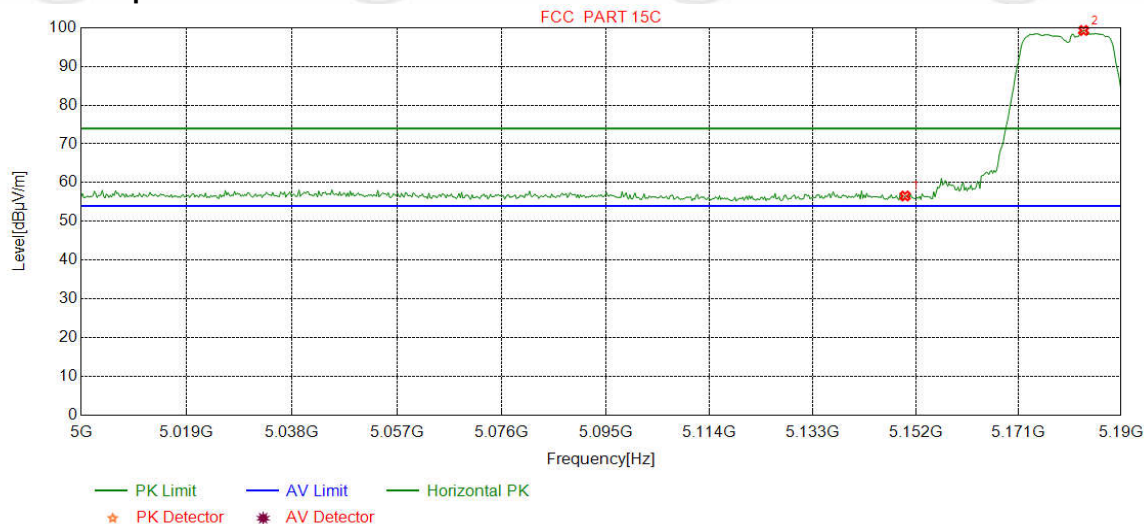
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 31.66          | 45.34          | 54.00          | 8.66        | Pass   | H        | AV     |
| 2  | 5185.2441   | 34.69           | 15.43           | -35.95          | 72.95          | 87.12          | 54.00          | -33.12      | Pass   | H        | AV     |

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 n(HT20) Transmitting | Channel: | 5180 |
|-------|-----------------------------|----------|------|

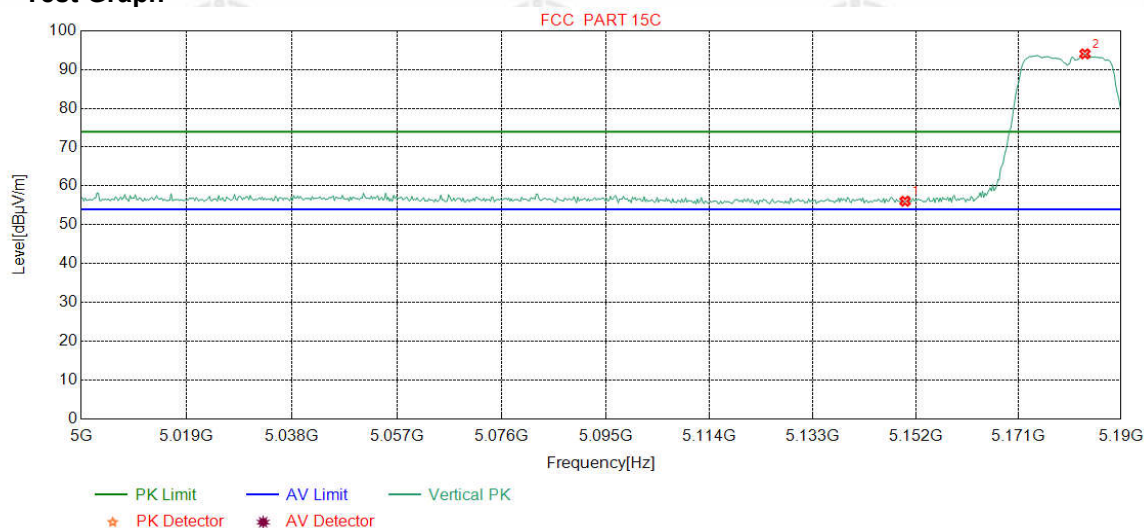
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 42.86          | 56.54          | 74.00          | 17.46       | Pass   | H        | Peak   |
| 2  | 5183.1039   | 34.68           | 15.40           | -35.94          | 85.17          | 99.31          | 74.00          | -25.31      | Pass   | H        | Peak   |

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 n(HT20) Transmitting | Channel: | 5180 |
|-------|-----------------------------|----------|------|

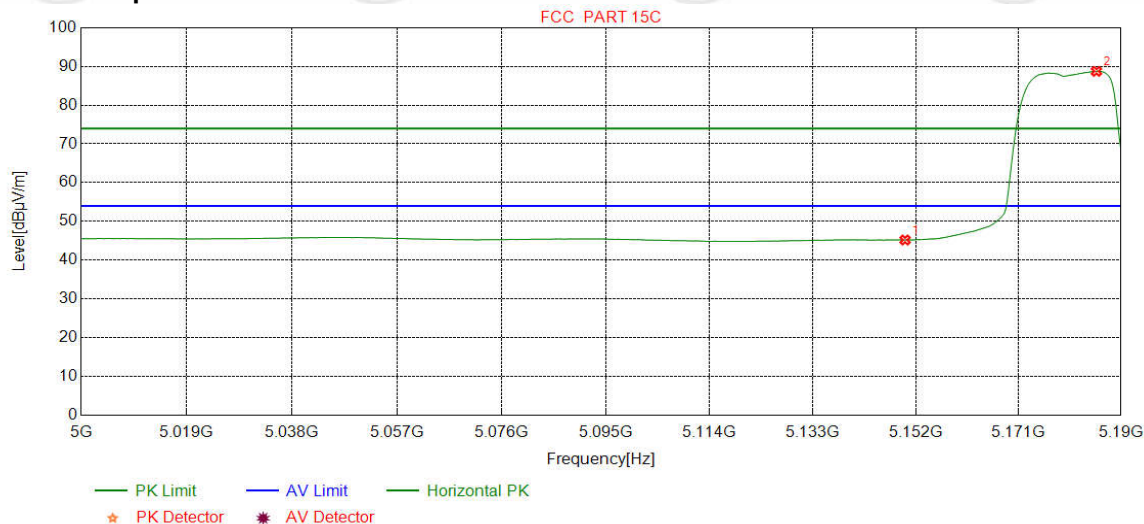
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 42.38          | 56.06          | 74.00          | 17.94       | Pass   | V        | Peak   |
| 2  | 5183.3417   | 34.68           | 15.41           | -35.95          | 79.93          | 94.07          | 74.00          | -20.07      | Pass   | V        | Peak   |

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 n(HT20) Transmitting | Channel: | 5180 |
|-------|-----------------------------|----------|------|

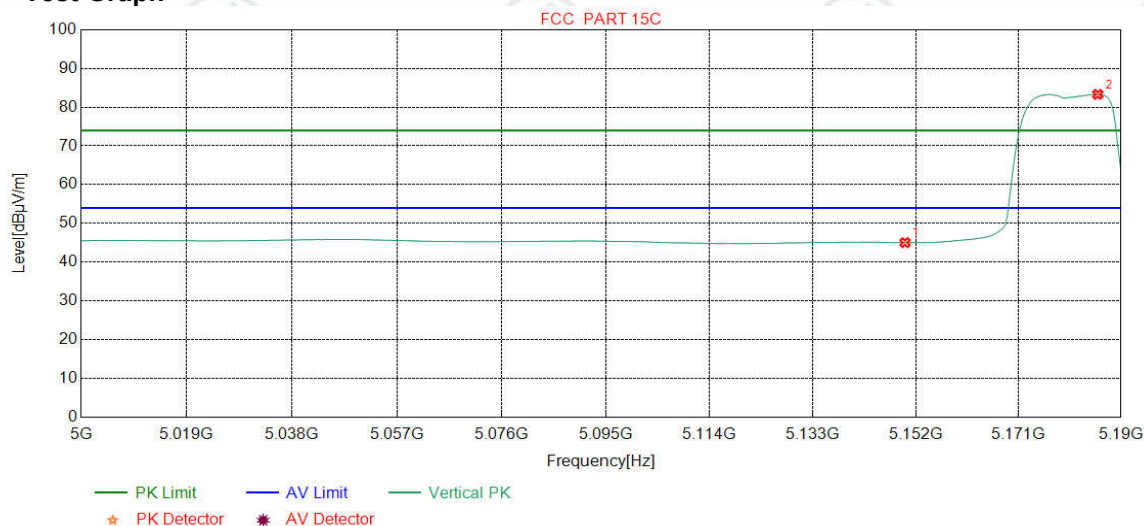
Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 31.50          | 45.18          | 54.00          | 8.82        | Pass   | H        | AV     |
| 2  | 5185.4819   | 34.69           | 15.43           | -35.95          | 74.58          | 88.75          | 54.00          | -34.75      | Pass   | H        | AV     |

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 n(HT20) Transmitting | Channel: | 5180 |
|-------|-----------------------------|----------|------|

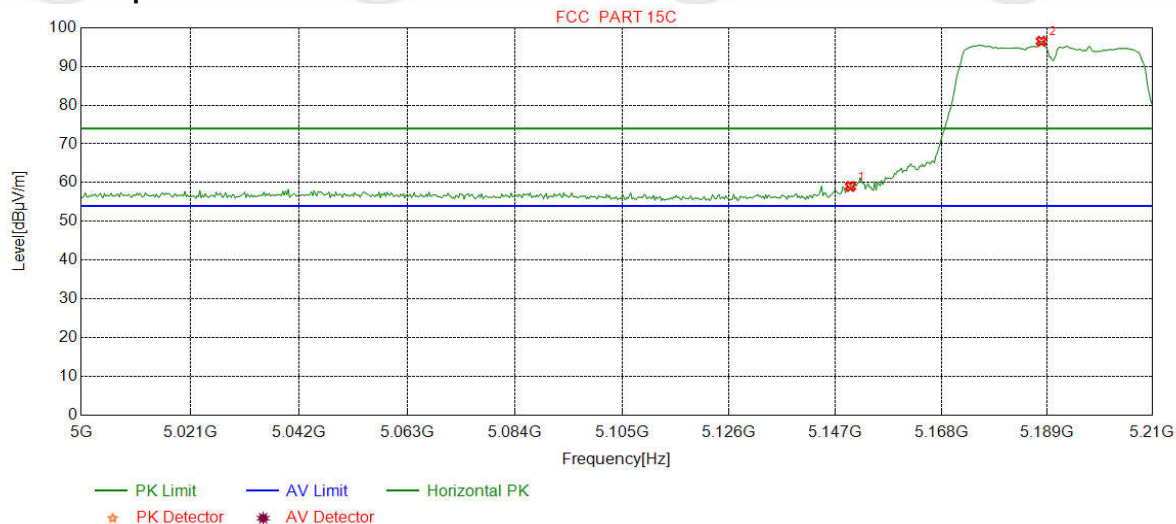
Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 31.34          | 45.02          | 54.00          | 8.98        | Pass   | V        | AV     |
| 2  | 5185.7197   | 34.69           | 15.43           | -35.95          | 69.14          | 83.31          | 54.00          | -29.31      | Pass   | V        | AV     |

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 n(HT40) Transmitting | Channel: | 5190 |
|-------|-----------------------------|----------|------|

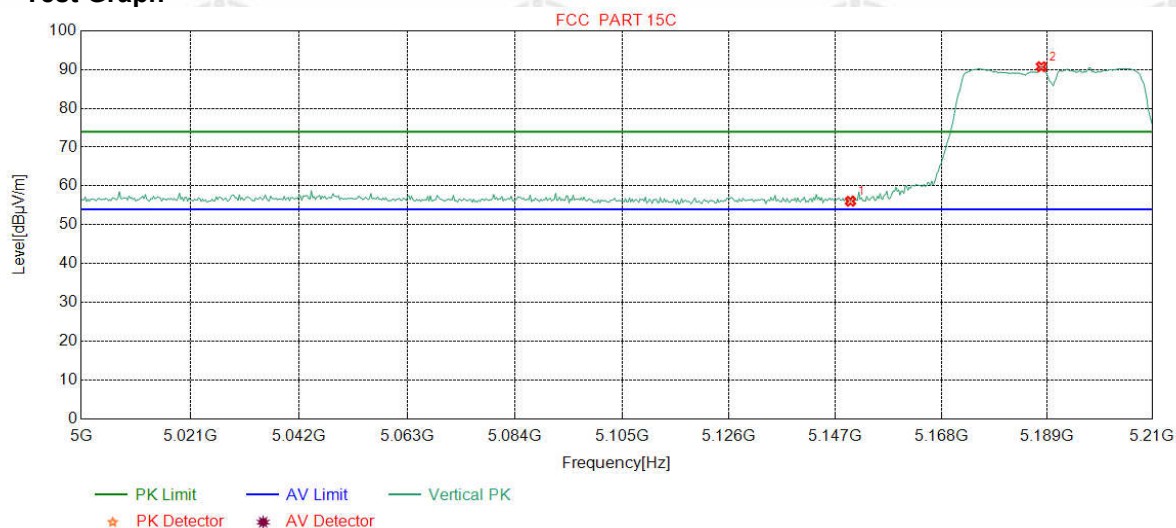
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 45.34          | 59.02          | 74.00          | 14.98       | Pass   | H        | Peak   |
| 2  | 5187.9224   | 34.69           | 15.45           | -35.94          | 82.33          | 96.53          | 74.00          | -22.53      | Pass   | H        | Peak   |

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 n(HT40) Transmitting | Channel: | 5190 |
|-------|-----------------------------|----------|------|

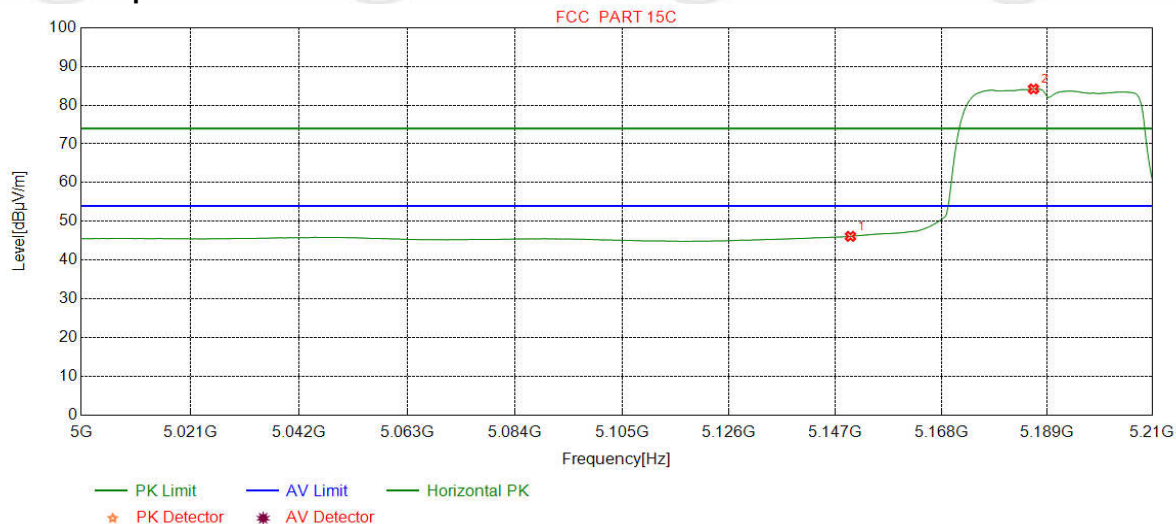
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 42.38          | 56.06          | 74.00          | 17.94       | Pass   | V        | Peak   |
| 2  | 5187.9224   | 34.69           | 15.45           | -35.94          | 76.56          | 90.76          | 74.00          | -16.76      | Pass   | V        | Peak   |

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 n(HT40) Transmitting | Channel: | 5190 |
|-------|-----------------------------|----------|------|

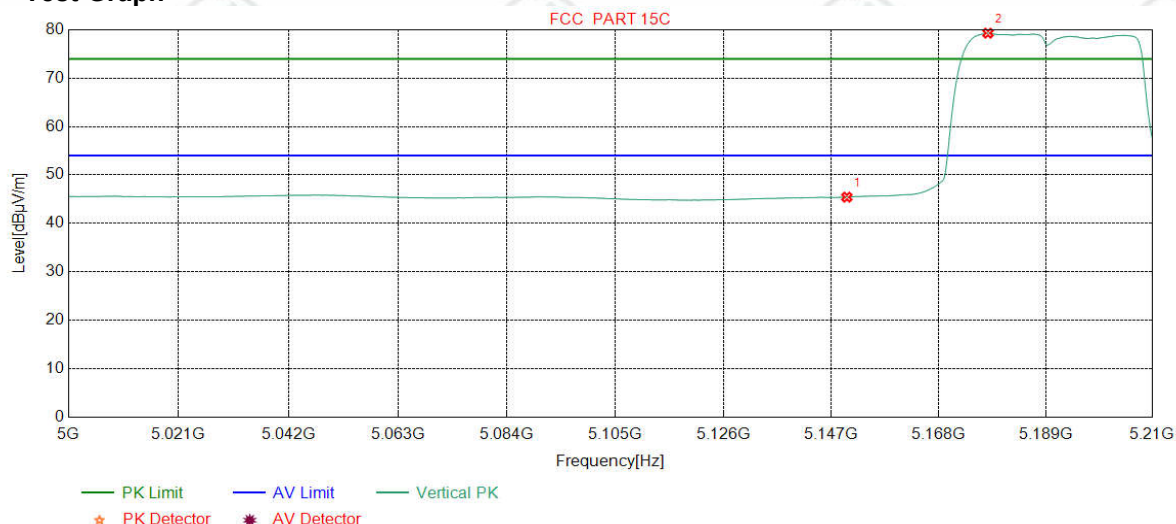
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 32.44          | 46.12          | 54.00          | 7.88        | Pass   | H        | AV     |
| 2  | 5186.3454   | 34.69           | 15.44           | -35.95          | 70.02          | 84.20          | 54.00          | -30.20      | Pass   | H        | AV     |

|       |                             |          |      |
|-------|-----------------------------|----------|------|
| Mode: | 802.11 n(HT40) Transmitting | Channel: | 5190 |
|-------|-----------------------------|----------|------|

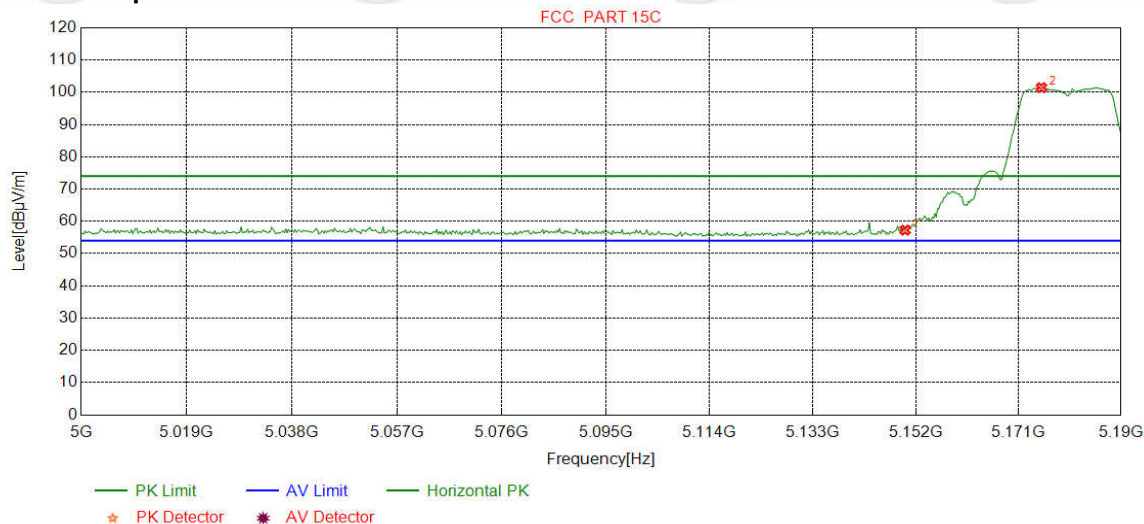
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 31.73          | 45.41          | 54.00          | 8.59        | Pass   | V        | AV     |
| 2  | 5177.6721   | 34.68           | 15.35           | -35.97          | 65.24          | 79.30          | 54.00          | -25.30      | Pass   | V        | AV     |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT20) Transmitting | Channel: | 5180 |
|-------|------------------------------|----------|------|

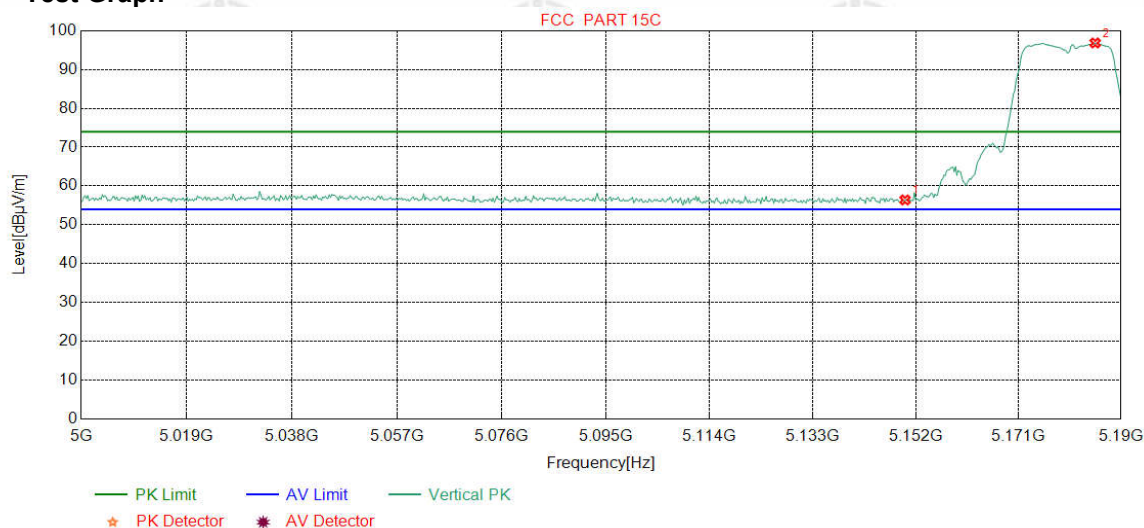
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 43.59          | 57.27          | 74.00          | 16.73       | Pass   | H        | Peak   |
| 2  | 5175.2566   | 34.68           | 15.33           | -35.98          | 87.41          | 101.4          | 74.00          | -27.44      | Pass   | H        | Peak   |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT20) Transmitting | Channel: | 5180 |
|-------|------------------------------|----------|------|

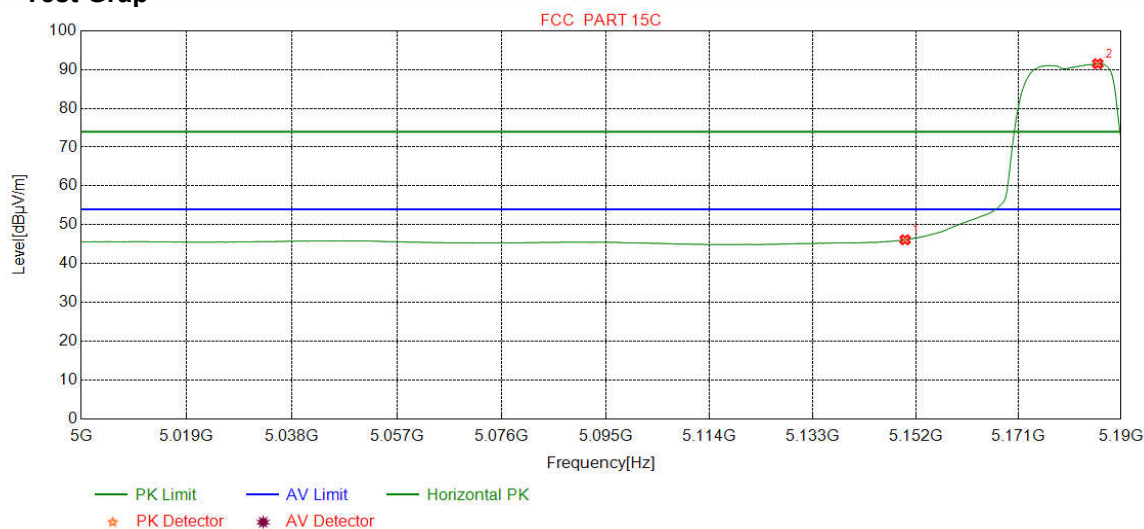
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 42.71          | 56.39          | 74.00          | 17.61       | Pass   | V        | Peak   |
| 2  | 5185.2441   | 34.69           | 15.43           | -35.95          | 82.70          | 96.87          | 74.00          | -22.87      | Pass   | V        | Peak   |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT20) Transmitting | Channel: | 5180 |
|-------|------------------------------|----------|------|

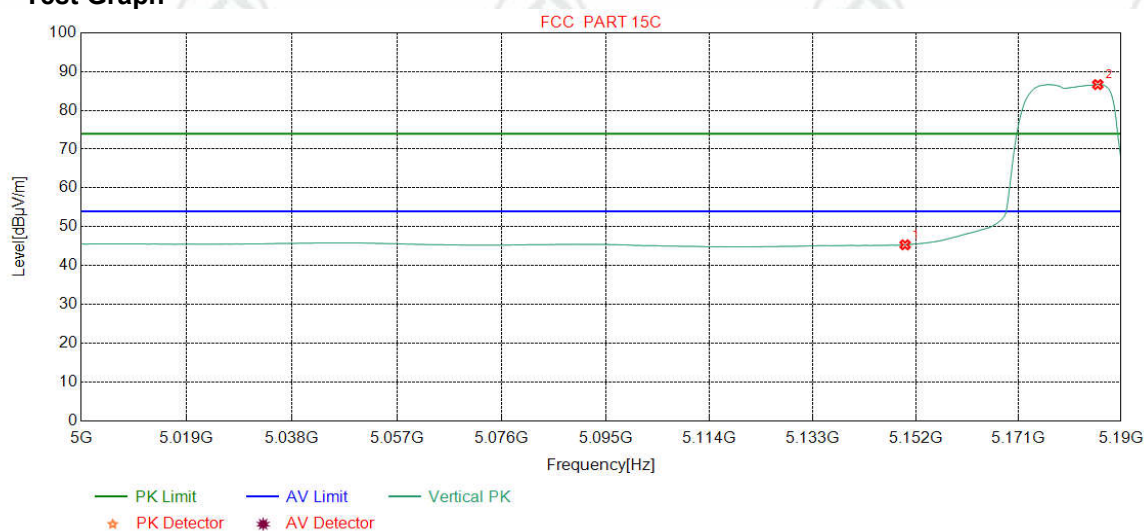
**Test Grap**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 32.44          | 46.12          | 54.00          | 7.88        | Pass   | H        | AV     |
| 2  | 5185.7197   | 34.69           | 15.43           | -35.95          | 77.36          | 91.53          | 54.00          | -37.53      | Pass   | H        | AV     |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT20) Transmitting | Channel: | 5180 |
|-------|------------------------------|----------|------|

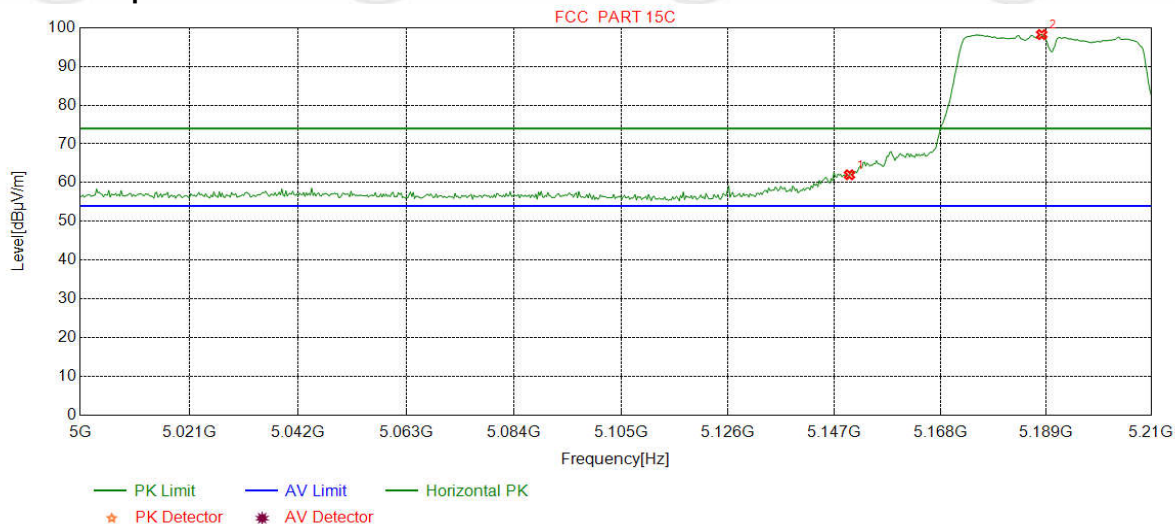
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 31.66          | 45.34          | 54.00          | 8.66        | Pass   | V        | AV     |
| 2  | 5185.7197   | 34.69           | 15.43           | -35.95          | 72.49          | 86.66          | 54.00          | -32.66      | Pass   | V        | AV     |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT40) Transmitting | Channel: | 5190 |
|-------|------------------------------|----------|------|

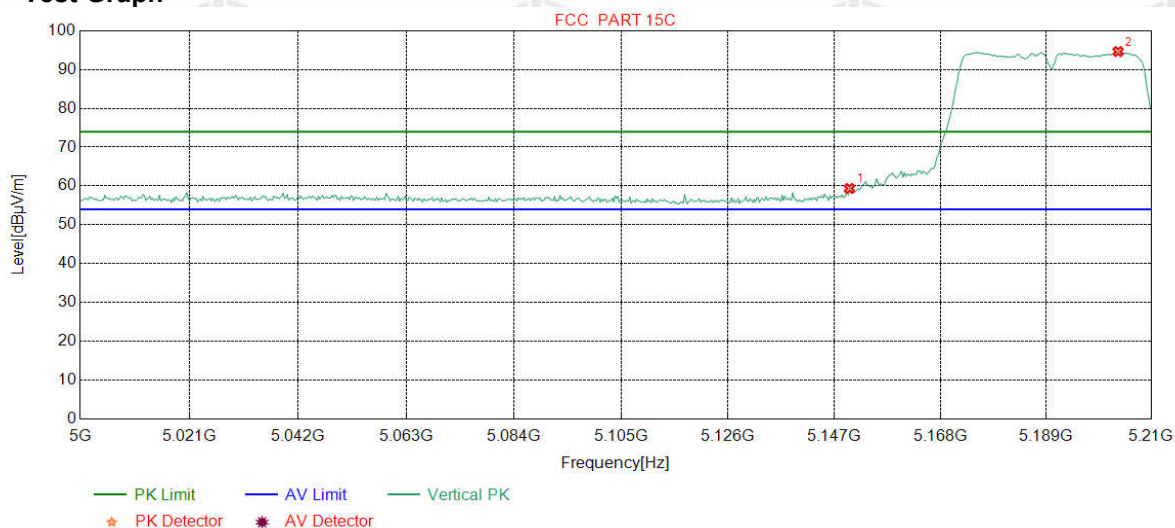
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 48.34          | 62.02          | 74.00          | 11.98       | Pass   | H        | Peak   |
| 2  | 5188.1852   | 34.69           | 15.45           | -35.93          | 84.03          | 98.24          | 74.00          | -24.24      | Pass   | H        | Peak   |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT40) Transmitting | Channel: | 5190 |
|-------|------------------------------|----------|------|

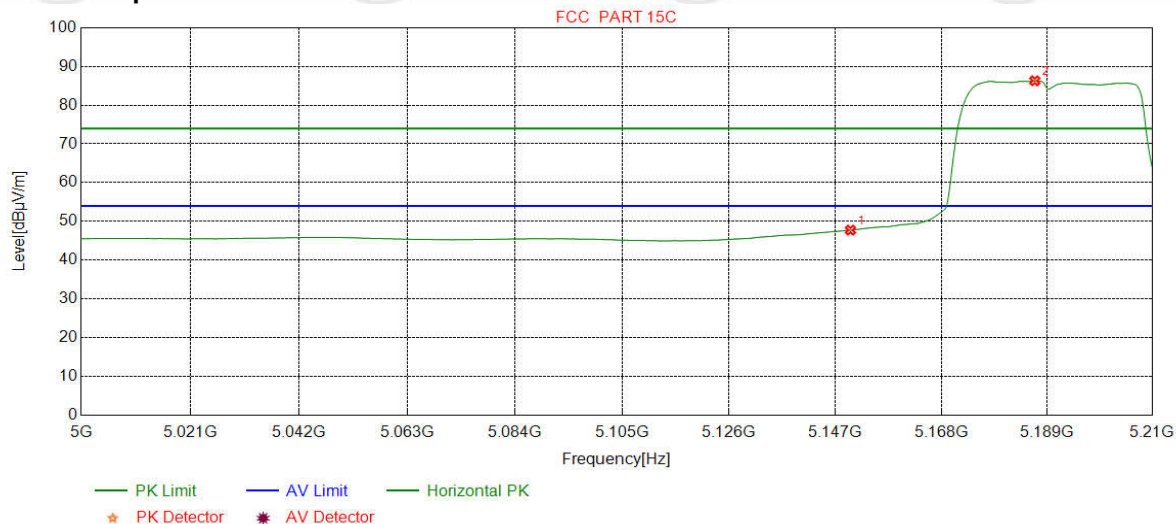
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 45.67          | 59.35          | 74.00          | 14.65       | Pass   | V        | Peak   |
| 2  | 5203.4293   | 34.70           | 15.55           | -35.89          | 80.29          | 94.65          | 74.00          | -20.65      | Pass   | V        | Peak   |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT40) Transmitting | Channel: | 5190 |
|-------|------------------------------|----------|------|

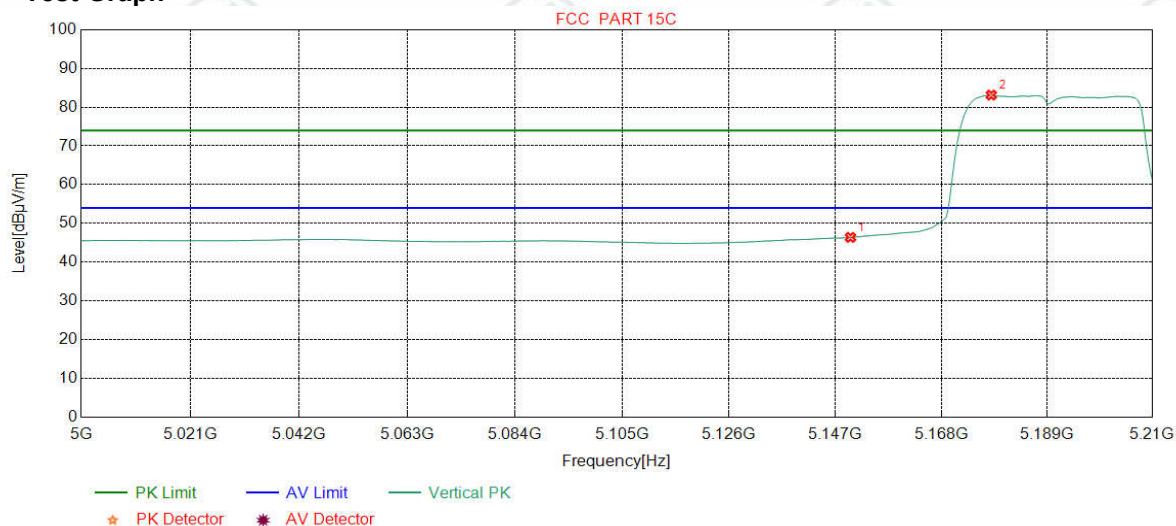
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 34.05          | 47.73          | 54.00          | 6.27        | Pass   | H        | AV     |
| 2  | 5186.6083   | 34.69           | 15.44           | -35.94          | 72.12          | 86.31          | 54.00          | -32.31      | Pass   | H        | AV     |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT40) Transmitting | Channel: | 5190 |
|-------|------------------------------|----------|------|

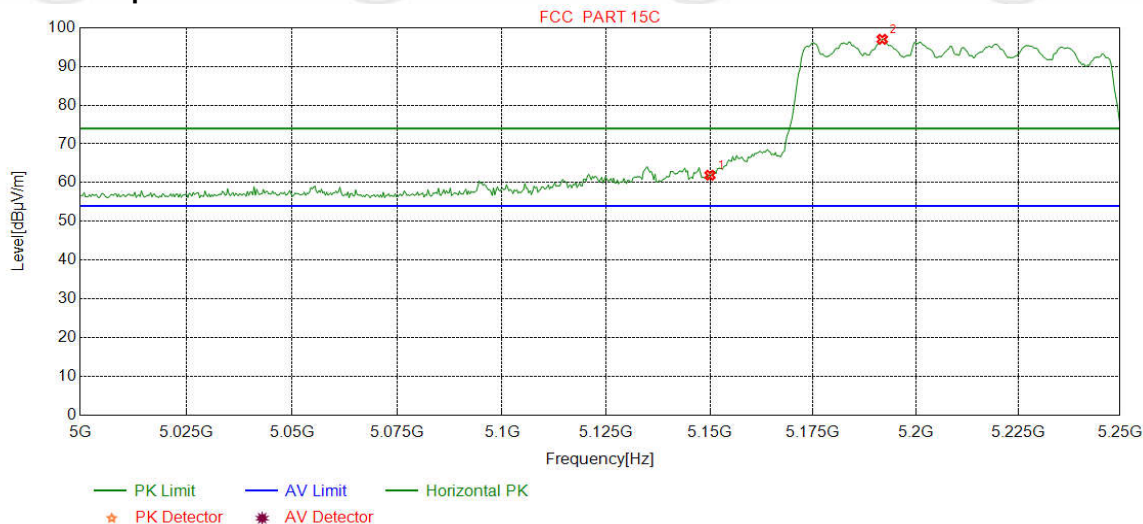
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 32.69          | 46.37          | 54.00          | 7.63        | Pass   | V        | AV     |
| 2  | 5177.9349   | 34.68           | 15.35           | -35.96          | 69.07          | 83.14          | 54.00          | -29.14      | Pass   | V        | AV     |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT80) Transmitting | Channel: | 5210 |
|-------|------------------------------|----------|------|

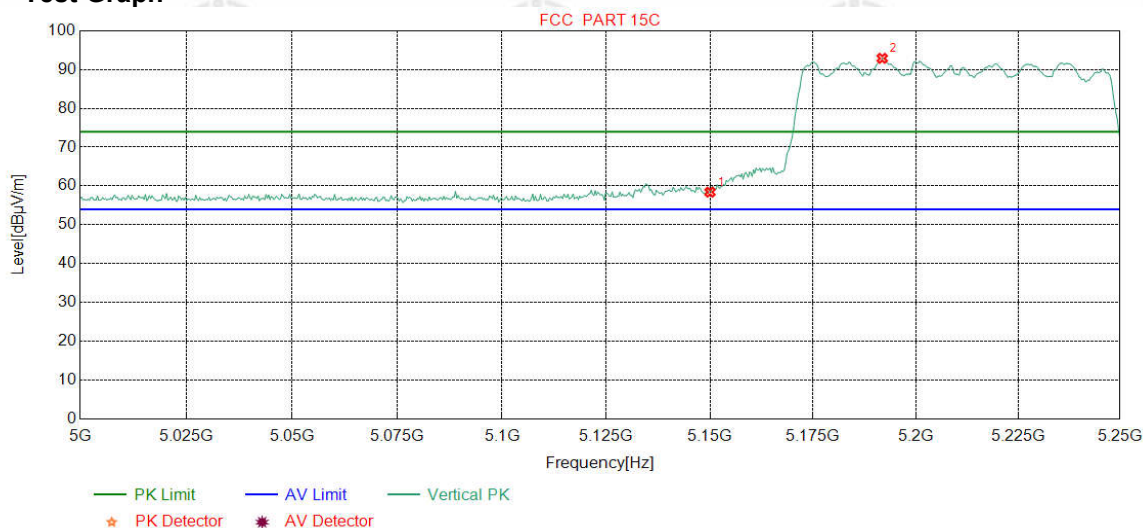
Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 48.23          | 61.91          | 74.00          | 12.09       | Pass   | H        | Peak   |
| 2  | 5191.8023   | 34.69           | 15.49           | -35.92          | 82.76          | 97.02          | 74.00          | -23.02      | Pass   | H        | Peak   |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT80) Transmitting | Channel: | 5210 |
|-------|------------------------------|----------|------|

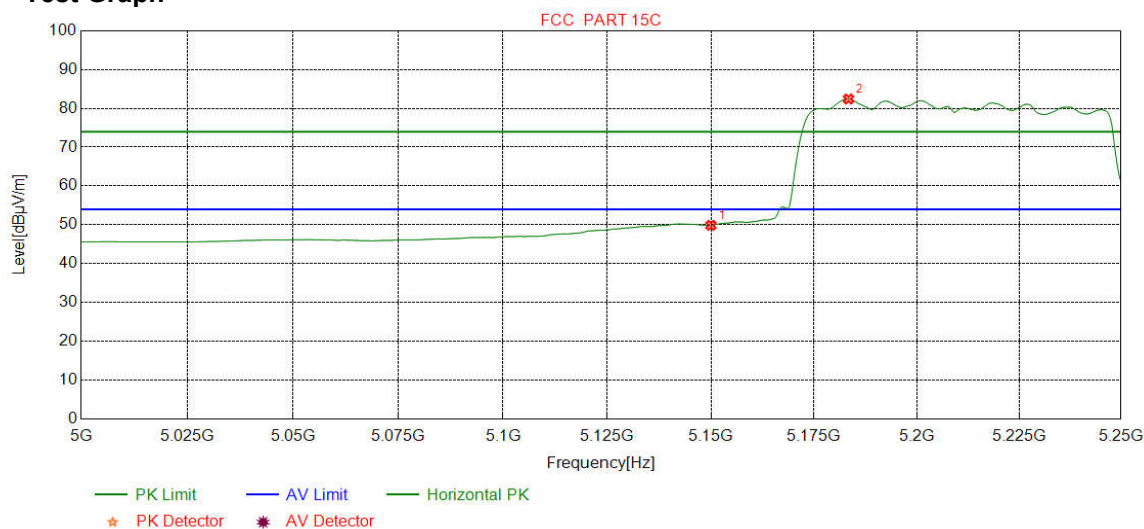
Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 44.73          | 58.41          | 74.00          | 15.59       | Pass   | V        | Peak   |
| 2  | 5191.8023   | 34.69           | 15.49           | -35.92          | 78.65          | 92.91          | 74.00          | -18.91      | Pass   | V        | Peak   |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT80) Transmitting | Channel: | 5210 |
|-------|------------------------------|----------|------|

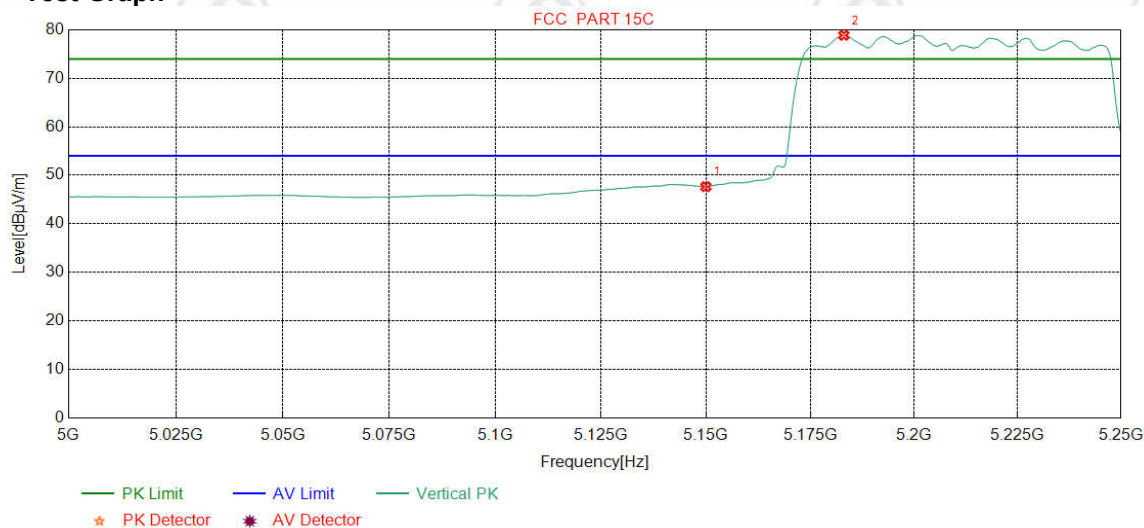
Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 36.16          | 49.84          | 54.00          | 4.16        | Pass   | H        | Peak   |
| 2  | 5183.3542   | 34.68           | 15.41           | -35.95          | 68.29          | 82.43          | 54.00          | -28.43      | Pass   | H        | Peak   |

|       |                              |          |      |
|-------|------------------------------|----------|------|
| Mode: | 802.11 ac(HT80) Transmitting | Channel: | 5210 |
|-------|------------------------------|----------|------|

Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 5150.0000   | 34.65           | 15.08           | -36.05          | 33.96          | 47.64          | 54.00          | 6.36        | Pass   | V        | Peak   |
| 2  | 5183.0413   | 34.68           | 15.40           | -35.94          | 64.72          | 78.86          | 54.00          | -24.86      | Pass   | V        | Peak   |

Note:

1) Through Pre-scan transmitting mode with all kind of modulation and data rate, find the MCS0 is the worst case of 802.11a; MCS0 is the worst case of 802.11n(20M)(40M); MCS0 is the worst case of 802.11ac(20M)(40M)(80M); and then Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

3) All modes and antenna are tested, and found the antenna 1 which is worst case for 802.11a/n(20M)(40M)/ac(20M)(40M)(80M),so only the worst case mode is recorded in the report.

## Appendix J): Unwanted Emissions in the Restricted Bands (Radiated Emission)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                             |                                  |                 |            |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------|------------|---------------------------|
| Receiver Setup:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Frequency                                                                                                                                                                                                                                                                   | Detector                         | RBW             | VBW        | Remark                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.009MHz-0.090MHz                                                                                                                                                                                                                                                           | Peak                             | 10kHz           | 30kHz      | Peak                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.009MHz-0.090MHz                                                                                                                                                                                                                                                           | Average                          | 10kHz           | 30kHz      | Average                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.090MHz-0.110MHz                                                                                                                                                                                                                                                           | Quasi-peak                       | 10kHz           | 30kHz      | Quasi-peak                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.110MHz-0.490MHz                                                                                                                                                                                                                                                           | Peak                             | 10kHz           | 30kHz      | Peak                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.110MHz-0.490MHz                                                                                                                                                                                                                                                           | Average                          | 10kHz           | 30kHz      | Average                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.490MHz -30MHz                                                                                                                                                                                                                                                             | Quasi-peak                       | 10kHz           | 30kHz      | Quasi-peak                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 30MHz-1GHz                                                                                                                                                                                                                                                                  | Quasi-peak                       | 120kHz          | 300kHz     | Quasi-peak                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Above 1GHz                                                                                                                                                                                                                                                                  | Peak                             | 1MHz            | 3MHz       | Peak                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                             | Peak                             | 1MHz            | 10Hz       | Average                   |
| Test Procedure:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                             |                                  |                 |            |                           |
| <b>Below 1GHz test procedure as below:</b><br>a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.<br>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.<br>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.<br>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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.<br>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.<br>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.<br><b>Above 1GHz test procedure as below:</b><br>g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre( Above 18GHz the distance is 1 meter and table is 1.5 metre)<br>h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel<br>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.<br>j. Repeat above procedures until all frequencies measured was complete. |                                                                                                                                                                                                                                                                             |                                  |                 |            |                           |
| Limit:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Frequency                                                                                                                                                                                                                                                                   | Field strength (microvolt/meter) | Limit (dBµV/cm) | Remark     | Measurement distance (cm) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.009MHz-0.490MHz                                                                                                                                                                                                                                                           | 2400/F(kHz)                      | -               | -          | 300                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.490MHz-1.705MHz                                                                                                                                                                                                                                                           | 24000/F(kHz)                     | -               | -          | 30                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.705MHz-30MHz                                                                                                                                                                                                                                                              | 30                               | -               | -          | 30                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 30MHz-88MHz                                                                                                                                                                                                                                                                 | 100                              | 40.0            | Quasi-peak | 3                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 88MHz-216MHz                                                                                                                                                                                                                                                                | 150                              | 43.5            | Quasi-peak | 3                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 216MHz-960MHz                                                                                                                                                                                                                                                               | 200                              | 46.0            | Quasi-peak | 3                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 960MHz-1GHz                                                                                                                                                                                                                                                                 | 500                              | 54.0            | Quasi-peak | 3                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Above 1GHz                                                                                                                                                                                                                                                                  | 500                              | 54.0            | Average    | 3                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device. |                                  |                 |            |                           |
| Test result:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PASS                                                                                                                                                                                                                                                                        |                                  |                 |            |                           |

**Test Data:**  
**Radiated Emission below 1GHz**  
**Band U-NII-1**

| Mode:   |             | Transmitting    |                 |                 |                |                |                |            |        |            |
|---------|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|------------|--------|------------|
| Remark: |             | (QP)            |                 |                 |                |                |                |            |        |            |
| NO      | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Magin [dB] | Result | Polarity   |
| 1       | 96.7494     | 10.48           | 1.14            | -32.07          | 38.69          | 18.24          | 43.50          | 25.26      | Pass   | Horizontal |
| 2       | 199.3959    | 10.84           | 1.67            | -31.94          | 45.79          | 26.36          | 43.50          | 17.14      | Pass   | Horizontal |
| 3       | 290.4001    | 13.01           | 2.03            | -31.88          | 45.65          | 28.81          | 46.00          | 17.19      | Pass   | Horizontal |
| 4       | 398.6737    | 15.37           | 2.38            | -31.77          | 45.14          | 31.12          | 46.00          | 14.88      | Pass   | Horizontal |
| 5       | 601.0562    | 19.01           | 2.96            | -32.00          | 41.91          | 31.88          | 46.00          | 14.12      | Pass   | Horizontal |
| 6       | 717.8676    | 20.00           | 3.21            | -32.08          | 43.68          | 34.81          | 46.00          | 11.19      | Pass   | Horizontal |

| Mode:   |             | Transmitting    |                 |                 |                |                |                |            |        |          |
|---------|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|------------|--------|----------|
| Remark: |             | (QP)            |                 |                 |                |                |                |            |        |          |
| NO      | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Magin [dB] | Result | Polarity |
| 1       | 52.5085     | 12.80           | 0.82            | -32.10          | 41.03          | 22.55          | 40.00          | 17.45      | Pass   | Vertical |
| 2       | 199.7840    | 10.88           | 1.67            | -31.94          | 45.15          | 25.76          | 43.50          | 17.74      | Pass   | Vertical |
| 3       | 290.2060    | 13.00           | 2.03            | -31.87          | 40.27          | 23.43          | 46.00          | 22.57      | Pass   | Vertical |
| 4       | 399.8380    | 15.40           | 2.38            | -31.76          | 42.42          | 28.44          | 46.00          | 17.56      | Pass   | Vertical |
| 5       | 598.3397    | 18.97           | 2.95            | -31.98          | 38.88          | 28.82          | 46.00          | 17.18      | Pass   | Vertical |
| 6       | 799.3639    | 20.89           | 3.39            | -32.03          | 35.66          | 27.91          | 46.00          | 18.09      | Pass   | Vertical |

**Band U-NII-3**

| Mode:   |             | Transmitting    |                 |                 |                |                |                |             |        |            |
|---------|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| Remark: |             | (QP)            |                 |                 |                |                |                |             |        |            |
| NO      | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
| 1       | 199.9780    | 10.90           | 1.67            | -31.94          | 47.33          | 27.96          | 43.50          | 15.54       | Pass   | Horizontal |
| 2       | 239.9500    | 11.94           | 1.84            | -31.90          | 47.21          | 29.09          | 46.00          | 16.91       | Pass   | Horizontal |
| 3       | 290.0120    | 13.00           | 2.03            | -31.88          | 45.30          | 28.45          | 46.00          | 17.55       | Pass   | Horizontal |
| 4       | 481.9164    | 16.71           | 2.62            | -31.90          | 45.74          | 33.17          | 46.00          | 12.83       | Pass   | Horizontal |
| 5       | 599.5039    | 18.99           | 2.96            | -31.99          | 42.76          | 32.72          | 46.00          | 13.28       | Pass   | Horizontal |
| 6       | 719.2258    | 20.01           | 3.22            | -32.08          | 41.65          | 32.80          | 46.00          | 13.20       | Pass   | Horizontal |

| Mode:   |             | Transmitting    |                 |                 |                |                |                |             |        |          |
|---------|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| Remark: |             | (QP)            |                 |                 |                |                |                |             |        |          |
| NO      | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
| 1       | 52.5085     | 12.80           | 0.82            | -32.10          | 41.52          | 23.04          | 40.00          | 16.96       | Pass   | Vertical |
| 2       | 199.5899    | 10.86           | 1.67            | -31.94          | 46.13          | 26.72          | 43.50          | 16.78       | Pass   | Vertical |
| 3       | 290.0120    | 13.00           | 2.03            | -31.88          | 43.68          | 26.83          | 46.00          | 19.17       | Pass   | Vertical |
| 4       | 398.2857    | 15.36           | 2.37            | -31.76          | 42.04          | 28.01          | 46.00          | 17.99       | Pass   | Vertical |
| 5       | 599.6979    | 18.99           | 2.96            | -31.99          | 43.23          | 33.19          | 46.00          | 12.81       | Pass   | Vertical |
| 6       | 796.6473    | 20.86           | 3.38            | -32.01          | 35.77          | 28.00          | 46.00          | 18.00       | Pass   | Vertical |

**Transmitter Emission 1GHz-18GHz**  
**Band U-NII-1**

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5180   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1949.9450      | 31.37                         | 4.12                  | -36.85                | 47.83             | 46.47             | 74.00             | 27.53          | Pass   | H        | Peak   |
| 2     | 2590.0000      | 32.54                         | 4.79                  | -36.62                | 44.07             | 44.78             | 74.00             | 29.22          | Pass   | H        | Peak   |
| 3     | 3173.8174      | 33.27                         | 5.60                  | -36.83                | 46.98             | 49.02             | 74.00             | 24.98          | Pass   | H        | Peak   |
| 4     | 8410.6607      | 36.56                         | 6.70                  | -36.29                | 43.79             | 50.76             | 74.00             | 23.24          | Pass   | H        | Peak   |
| 5     | 10360.0000     | 38.30                         | 7.29                  | -36.75                | 43.88             | 52.72             | 74.00             | 21.28          | Pass   | H        | Peak   |
| 6     | 10360.0000     | 38.30                         | 7.28                  | -36.75                | 35.58             | 44.41             | 54.00             | 9.59           | Pass   | H        | AV     |
| 7     | 15540.0000     | 40.98                         | 10.10                 | -34.96                | 33.68             | 49.80             | 74.00             | 24.20          | Pass   | V        | Peak   |
| 8     | 1986.7987      | 31.61                         | 4.13                  | -36.76                | 49.34             | 48.32             | 74.00             | 25.68          | Pass   | V        | Peak   |
| 9     | 2590.0000      | 32.54                         | 4.79                  | -36.62                | 44.35             | 45.06             | 74.00             | 28.94          | Pass   | V        | Peak   |
| 10    | 3913.6414      | 33.73                         | 6.26                  | -36.06                | 44.00             | 47.93             | 74.00             | 26.07          | Pass   | V        | Peak   |
| 11    | 7712.1808      | 36.52                         | 6.37                  | -36.41                | 43.30             | 49.78             | 74.00             | 24.22          | Pass   | V        | Peak   |
| 12    | 10360.0000     | 38.30                         | 7.29                  | -36.75                | 49.22             | 58.06             | 74.00             | 15.94          | Pass   | V        | Peak   |
| 13    | 10360.0000     | 38.30                         | 7.28                  | -36.75                | 40.26             | 49.09             | 54.00             | 4.91           | Pass   | V        | AV     |
| 14    | 15540.0000     | 40.98                         | 10.10                 | -34.96                | 34.14             | 50.26             | 74.00             | 23.74          | Pass   | V        | Peak   |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5200   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1396.5897      | 28.30                         | 3.33                  | -37.21                | 49.21             | 43.63             | 74.00             | 30.37          | Pass   | H        | Peak   |
| 2     | 2600.0000      | 32.56                         | 4.77                  | -36.64                | 45.16             | 45.85             | 74.00             | 28.15          | Pass   | H        | Peak   |
| 3     | 3776.1276      | 33.62                         | 6.01                  | -36.23                | 44.60             | 48.00             | 74.00             | 26.00          | Pass   | H        | Peak   |
| 4     | 7502.1001      | 36.60                         | 6.52                  | -36.14                | 42.96             | 49.94             | 74.00             | 24.06          | Pass   | H        | Peak   |
| 5     | 10400.0000     | 38.36                         | 7.54                  | -36.53                | 44.52             | 53.89             | 74.00             | 20.11          | Pass   | H        | Peak   |
| 6     | 10400.0000     | 38.36                         | 7.54                  | -36.53                | 34.43             | 43.66             | 54.00             | 10.34          | Pass   | H        | AV     |
| 7     | 15600.0000     | 41.10                         | 9.80                  | -34.68                | 30.91             | 47.13             | 74.00             | 26.87          | Pass   | H        | Peak   |
| 8     | 1399.8900      | 28.30                         | 3.33                  | -37.20                | 55.27             | 49.70             | 74.00             | 24.30          | Pass   | V        | Peak   |
| 9     | 2600.0000      | 32.56                         | 4.77                  | -36.64                | 44.38             | 45.07             | 74.00             | 28.93          | Pass   | V        | Peak   |
| 10    | 4422.9923      | 34.39                         | 6.71                  | -36.15                | 43.36             | 48.31             | 74.00             | 25.69          | Pass   | V        | Peak   |
| 11    | 7535.0690      | 36.59                         | 6.45                  | -36.49                | 43.09             | 49.64             | 74.00             | 24.36          | Pass   | V        | Peak   |
| 12    | 10400.0000     | 38.36                         | 7.54                  | -36.53                | 46.41             | 55.78             | 74.00             | 18.22          | Pass   | V        | Peak   |
| 13    | 10400.0000     | 38.36                         | 7.54                  | -36.53                | 38.19             | 47.42             | 54.00             | 6.58           | Pass   | V        | AV     |
| 14    | 15600.0000     | 41.10                         | 9.80                  | -34.68                | 31.70             | 47.92             | 74.00             | 26.08          | Pass   | V        | Peak   |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5240   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 2620.0000      | 32.59                         | 4.80                  | -36.65                | 44.23             | 44.97             | 74.00             | 29.03          | Pass   | H        | Peak   |
| 2     | 3088.5589      | 33.24                         | 5.52                  | -36.83                | 46.63             | 48.56             | 74.00             | 25.44          | Pass   | H        | Peak   |
| 3     | 6574.3716      | 35.93                         | 6.44                  | -36.19                | 43.18             | 49.36             | 74.00             | 24.64          | Pass   | H        | Peak   |
| 4     | 8383.0589      | 36.55                         | 6.66                  | -36.40                | 43.81             | 50.62             | 74.00             | 23.38          | Pass   | H        | Peak   |
| 5     | 10480.0000     | 38.47                         | 7.45                  | -36.81                | 45.10             | 54.21             | 74.00             | 19.79          | Pass   | H        | Peak   |
| 6     | 10480.0000     | 38.47                         | 7.45                  | -36.81                | 33.26             | 42.37             | 54.00             | 11.63          | Pass   | H        | Peak   |
| 7     | 15720.0000     | 41.34                         | 10.45                 | -35.52                | 31.68             | 47.95             | 74.00             | 26.05          | Pass   | V        | Peak   |
| 8     | 1399.8900      | 28.30                         | 3.33                  | -37.20                | 53.36             | 47.79             | 74.00             | 26.21          | Pass   | V        | Peak   |
| 9     | 2620.0000      | 32.59                         | 4.80                  | -36.65                | 43.50             | 44.24             | 74.00             | 29.76          | Pass   | V        | Peak   |
| 10    | 3081.4081      | 33.23                         | 5.51                  | -36.83                | 47.02             | 48.93             | 74.00             | 25.07          | Pass   | V        | Peak   |
| 11    | 6973.8316      | 36.09                         | 6.38                  | -36.22                | 43.27             | 49.52             | 74.00             | 24.48          | Pass   | V        | Peak   |
| 12    | 10480.0000     | 38.47                         | 7.45                  | -36.81                | 43.76             | 52.87             | 74.00             | 21.13          | Pass   | V        | Peak   |
| 13    | 10480.0000     | 38.47                         | 7.45                  | -36.81                | 35.24             | 44.35             | 54.00             | 9.65           | Pass   | V        | AV     |
| 14    | 15720.0000     | 41.34                         | 10.45                 | -35.52                | 33.85             | 50.12             | 74.00             | 23.88          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5180   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1397.6898      | 28.30                         | 3.33                  | -37.21                | 48.51             | 42.93             | 74.00             | 31.07          | Pass   | H        | Peak   |
| 2     | 2590.0000      | 32.54                         | 4.79                  | -36.62                | 45.51             | 46.22             | 74.00             | 27.78          | Pass   | H        | Peak   |
| 3     | 3189.2189      | 33.28                         | 5.69                  | -36.75                | 46.36             | 48.58             | 74.00             | 25.42          | Pass   | H        | Peak   |
| 4     | 8251.1834      | 36.50                         | 6.42                  | -36.61                | 44.40             | 50.71             | 74.00             | 23.29          | Pass   | H        | Peak   |
| 5     | 10360.0000     | 38.30                         | 7.29                  | -36.75                | 39.79             | 48.63             | 74.00             | 25.37          | Pass   | H        | Peak   |
| 6     | 15540.0000     | 40.98                         | 10.10                 | -34.96                | 32.24             | 48.36             | 74.00             | 25.64          | Pass   | H        | Peak   |
| 7     | 1396.5897      | 28.30                         | 3.33                  | -37.21                | 52.46             | 46.88             | 74.00             | 27.12          | Pass   | V        | Peak   |
| 8     | 2590.0000      | 32.54                         | 4.79                  | -36.62                | 44.61             | 45.32             | 74.00             | 28.68          | Pass   | V        | Peak   |
| 9     | 4255.7756      | 34.16                         | 6.34                  | -36.29                | 44.10             | 48.31             | 74.00             | 25.69          | Pass   | V        | Peak   |
| 10    | 7341.0894      | 36.44                         | 6.39                  | -36.55                | 42.83             | 49.11             | 74.00             | 24.89          | Pass   | V        | Peak   |
| 11    | 10360.0000     | 38.30                         | 7.29                  | -36.75                | 44.44             | 53.28             | 74.00             | 20.72          | Pass   | V        | Peak   |
| 12    | 10360.0000     | 38.30                         | 7.28                  | -36.75                | 34.11             | 42.94             | 54.00             | 11.06          | Pass   | V        | AV     |
| 13    | 15540.0000     | 40.98                         | 10.10                 | -34.96                | 33.31             | 49.43             | 74.00             | 24.57          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5200   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1672.1672      | 29.54                         | 3.86                  | -36.88                | 48.06             | 44.58             | 74.00             | 29.42          | Pass   | H        | Peak   |
| 2     | 2600.0000      | 32.56                         | 4.77                  | -36.64                | 44.82             | 45.51             | 74.00             | 28.49          | Pass   | H        | Peak   |
| 3     | 4559.4059      | 34.50                         | 6.86                  | -36.30                | 44.06             | 49.12             | 74.00             | 24.88          | Pass   | H        | Peak   |
| 4     | 7504.4003      | 36.60                         | 6.52                  | -36.17                | 42.76             | 49.71             | 74.00             | 24.29          | Pass   | H        | Peak   |
| 5     | 10400.0000     | 38.36                         | 7.54                  | -36.53                | 38.84             | 48.21             | 74.00             | 25.79          | Pass   | H        | Peak   |
| 6     | 15600.0000     | 41.10                         | 9.80                  | -34.68                | 31.33             | 47.55             | 74.00             | 26.45          | Pass   | H        | Peak   |
| 7     | 2106.7107      | 31.85                         | 4.53                  | -36.61                | 50.54             | 50.31             | 74.00             | 23.69          | Pass   | V        | Peak   |
| 8     | 2600.0000      | 32.56                         | 4.77                  | -36.64                | 45.67             | 46.36             | 74.00             | 27.64          | Pass   | V        | Peak   |
| 9     | 4416.9417      | 34.38                         | 6.73                  | -36.14                | 43.69             | 48.66             | 74.00             | 25.34          | Pass   | V        | Peak   |
| 10    | 7877.7919      | 36.45                         | 6.58                  | -36.33                | 43.21             | 49.91             | 74.00             | 24.09          | Pass   | V        | Peak   |
| 11    | 10400.0000     | 38.36                         | 7.54                  | -36.53                | 42.16             | 51.53             | 74.00             | 22.47          | Pass   | V        | Peak   |
| 12    | 10400.0000     | 38.36                         | 7.54                  | -36.53                | 32.51             | 41.74             | 54.00             | 12.26          | Pass   | V        | AV     |
| 13    | 15600.0000     | 41.10                         | 9.80                  | -34.68                | 31.19             | 47.41             | 74.00             | 26.59          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5240   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1714.5215      | 29.82                         | 3.89                  | -36.86                | 47.75             | 44.60             | 74.00             | 29.40          | Pass   | H        | Peak   |
| 2     | 2620.0000      | 32.59                         | 4.80                  | -36.65                | 43.53             | 44.27             | 74.00             | 29.73          | Pass   | H        | Peak   |
| 3     | 3991.1991      | 33.79                         | 6.37                  | -36.22                | 43.65             | 47.59             | 74.00             | 26.41          | Pass   | H        | Peak   |
| 4     | 8251.9501      | 36.50                         | 6.42                  | -36.60                | 44.23             | 50.55             | 74.00             | 23.45          | Pass   | H        | Peak   |
| 5     | 10480.0000     | 38.47                         | 7.45                  | -36.81                | 39.69             | 48.80             | 74.00             | 25.20          | Pass   | H        | Peak   |
| 6     | 15720.0000     | 41.34                         | 10.45                 | -35.52                | 31.23             | 47.50             | 74.00             | 26.50          | Pass   | H        | Peak   |
| 7     | 2042.9043      | 31.76                         | 4.26                  | -36.79                | 48.28             | 47.51             | 74.00             | 26.49          | Pass   | V        | Peak   |
| 8     | 2620.0000      | 32.59                         | 4.80                  | -36.65                | 44.17             | 44.91             | 74.00             | 29.09          | Pass   | V        | Peak   |
| 9     | 7262.1175      | 36.36                         | 6.26                  | -36.38                | 43.59             | 49.83             | 74.00             | 24.17          | Pass   | V        | Peak   |
| 10    | 8961.1641      | 37.61                         | 6.85                  | -36.56                | 42.10             | 50.00             | 74.00             | 24.00          | Pass   | V        | Peak   |
| 11    | 10480.0000     | 38.47                         | 7.45                  | -36.81                | 40.72             | 49.83             | 74.00             | 24.17          | Pass   | V        | Peak   |
| 12    | 15720.0000     | 41.34                         | 10.45                 | -35.52                | 30.17             | 46.44             | 74.00             | 27.56          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5190   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 2595.0000      | 32.55                         | 4.78                  | -36.63                | 44.27             | 44.97             | 74.00             | 29.03          | Pass   | H        | Peak   |
| 2     | 3162.2662      | 33.26                         | 5.54                  | -36.89                | 46.83             | 48.74             | 74.00             | 25.26          | Pass   | H        | Peak   |
| 3     | 7523.5682      | 36.59                         | 6.47                  | -36.36                | 43.12             | 49.82             | 74.00             | 24.18          | Pass   | H        | Peak   |
| 4     | 10380.0000     | 38.33                         | 7.41                  | -36.63                | 40.99             | 50.10             | 74.00             | 23.90          | Pass   | H        | Peak   |
| 5     | 11206.1137     | 38.72                         | 7.59                  | -35.61                | 39.07             | 49.77             | 74.00             | 24.23          | Pass   | H        | Peak   |
| 6     | 15570.0000     | 41.04                         | 10.06                 | -34.81                | 33.18             | 49.47             | 74.00             | 24.53          | Pass   | H        | Peak   |
| 7     | 2201.8702      | 31.98                         | 4.39                  | -36.57                | 49.82             | 49.62             | 74.00             | 24.38          | Pass   | V        | Peak   |
| 8     | 2595.0000      | 32.55                         | 4.78                  | -36.63                | 44.98             | 45.68             | 74.00             | 28.32          | Pass   | V        | Peak   |
| 9     | 4544.0044      | 34.50                         | 6.86                  | -36.28                | 43.96             | 49.04             | 74.00             | 24.96          | Pass   | V        | Peak   |
| 10    | 7538.1359      | 36.58                         | 6.44                  | -36.51                | 43.00             | 49.51             | 74.00             | 24.49          | Pass   | V        | Peak   |
| 11    | 10380.0000     | 38.33                         | 7.41                  | -36.63                | 41.39             | 50.50             | 74.00             | 23.50          | Pass   | V        | Peak   |
| 12    | 15570.0000     | 41.04                         | 10.06                 | -34.81                | 30.73             | 47.02             | 74.00             | 26.98          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5230   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1194.7195      | 28.09                         | 3.04                  | -37.65                | 50.02             | 43.50             | 74.00             | 30.50          | Pass   | H        | Peak   |
| 2     | 2615.0000      | 32.58                         | 4.79                  | -36.64                | 45.77             | 46.50             | 74.00             | 27.50          | Pass   | H        | Peak   |
| 3     | 3352.0352      | 33.34                         | 5.59                  | -36.71                | 46.11             | 48.33             | 74.00             | 25.67          | Pass   | H        | Peak   |
| 4     | 7886.2257      | 36.45                         | 6.61                  | -36.29                | 42.97             | 49.74             | 74.00             | 24.26          | Pass   | H        | Peak   |
| 5     | 10460.0000     | 38.44                         | 7.49                  | -36.77                | 38.52             | 47.68             | 74.00             | 26.32          | Pass   | H        | Peak   |
| 6     | 15690.0000     | 41.28                         | 10.53                 | -35.79                | 32.28             | 48.30             | 74.00             | 25.70          | Pass   | H        | Peak   |
| 7     | 1997.2497      | 31.68                         | 4.13                  | -36.74                | 49.94             | 49.01             | 74.00             | 24.99          | Pass   | V        | Peak   |
| 8     | 2615.0000      | 32.58                         | 4.79                  | -36.64                | 44.15             | 44.88             | 74.00             | 29.12          | Pass   | V        | Peak   |
| 9     | 4703.5204      | 34.50                         | 7.36                  | -36.26                | 43.12             | 48.72             | 74.00             | 25.28          | Pass   | V        | Peak   |
| 10    | 8137.7092      | 36.46                         | 6.45                  | -36.46                | 44.21             | 50.66             | 74.00             | 23.34          | Pass   | V        | Peak   |
| 11    | 10460.0000     | 38.44                         | 7.49                  | -36.77                | 41.35             | 50.51             | 74.00             | 23.49          | Pass   | V        | Peak   |
| 12    | 15690.0000     | 41.28                         | 10.53                 | -35.79                | 31.39             | 47.41             | 74.00             | 26.59          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5180   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 2047.3047      | 31.77                          | 4.27                  | -36.80                | 48.14             | 47.38             | 74.00             | 26.62          | Pass   | H        | Peak   |
| 2     | 2590.0000      | 32.54                          | 4.79                  | -36.62                | 46.19             | 46.90             | 74.00             | 27.10          | Pass   | H        | Peak   |
| 3     | 4704.0704      | 34.50                          | 7.36                  | -36.26                | 43.07             | 48.67             | 74.00             | 25.33          | Pass   | H        | Peak   |
| 4     | 7692.2462      | 36.52                          | 6.34                  | -36.39                | 43.39             | 49.86             | 74.00             | 24.14          | Pass   | H        | Peak   |
| 5     | 10360.0000     | 38.30                          | 7.29                  | -36.75                | 44.41             | 53.25             | 74.00             | 20.75          | Pass   | H        | Peak   |
| 6     | 10360.0000     | 38.30                          | 7.28                  | -36.75                | 34.13             | 42.96             | 54.00             | 11.04          | Pass   | H        | AV     |
| 7     | 15540.0000     | 40.98                          | 10.10                 | -34.96                | 31.42             | 47.54             | 74.00             | 26.46          | Pass   | H        | Peak   |
| 8     | 1397.6898      | 28.30                          | 3.33                  | -37.21                | 51.86             | 46.28             | 74.00             | 27.72          | Pass   | V        | Peak   |
| 9     | 2590.0000      | 32.54                          | 4.79                  | -36.62                | 45.22             | 45.93             | 74.00             | 28.07          | Pass   | V        | Peak   |
| 10    | 3196.9197      | 33.28                          | 5.73                  | -36.71                | 48.10             | 50.40             | 74.00             | 23.60          | Pass   | V        | Peak   |
| 11    | 7724.4483      | 36.51                          | 6.39                  | -36.45                | 43.25             | 49.70             | 74.00             | 24.30          | Pass   | V        | Peak   |
| 12    | 10360.0000     | 38.30                          | 7.29                  | -36.75                | 48.35             | 57.19             | 74.00             | 16.81          | Pass   | V        | Peak   |
| 13    | 10360.0000     | 38.30                          | 7.28                  | -36.75                | 38.80             | 47.63             | 54.00             | 6.37           | Pass   | V        | AV     |
| 14    | 15540.0000     | 40.98                          | 10.10                 | -34.96                | 32.38             | 48.50             | 74.00             | 25.50          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5200   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1678.7679      | 29.58                          | 3.86                  | -36.87                | 47.49             | 44.06             | 74.00             | 29.94          | Pass   | H        | Peak   |
| 2     | 2600.0000      | 32.56                          | 4.77                  | -36.64                | 44.66             | 45.35             | 74.00             | 28.65          | Pass   | H        | Peak   |
| 3     | 3508.2508      | 33.41                          | 5.74                  | -36.56                | 46.78             | 49.37             | 74.00             | 24.63          | Pass   | H        | Peak   |
| 4     | 7177.0118      | 36.28                          | 6.27                  | -36.39                | 43.71             | 49.87             | 74.00             | 24.13          | Pass   | H        | Peak   |
| 5     | 10400.0000     | 38.36                          | 7.54                  | -36.53                | 44.58             | 53.95             | 74.00             | 20.05          | Pass   | H        | Peak   |
| 6     | 10400.0000     | 38.36                          | 7.54                  | -36.53                | 35.08             | 44.31             | 54.00             | 9.69           | Pass   | H        | AV     |
| 7     | 15600.0000     | 41.10                          | 9.80                  | -34.68                | 33.17             | 49.39             | 74.00             | 24.61          | Pass   | H        | Peak   |
| 8     | 2187.0187      | 31.96                          | 4.38                  | -36.50                | 50.02             | 49.86             | 74.00             | 24.14          | Pass   | V        | Peak   |
| 9     | 2600.0000      | 32.56                          | 4.77                  | -36.64                | 43.80             | 44.49             | 74.00             | 29.51          | Pass   | V        | Peak   |
| 10    | 4382.2882      | 34.34                          | 6.71                  | -36.23                | 44.13             | 48.95             | 74.00             | 25.05          | Pass   | V        | Peak   |
| 11    | 6937.0291      | 36.07                          | 6.45                  | -36.27                | 43.41             | 49.66             | 74.00             | 24.34          | Pass   | V        | Peak   |
| 12    | 10400.0000     | 38.36                          | 7.54                  | -36.53                | 47.58             | 56.95             | 74.00             | 17.05          | Pass   | V        | Peak   |
| 13    | 10400.0000     | 38.36                          | 7.54                  | -36.53                | 38.07             | 47.30             | 54.00             | 6.70           | Pass   | V        | AV     |
| 14    | 15600.0000     | 41.10                          | 9.80                  | -34.68                | 33.12             | 49.34             | 74.00             | 24.66          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5240   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1981.2981      | 31.58                          | 4.13                  | -36.78                | 47.15             | 46.08             | 74.00             | 27.92          | Pass   | H        | Peak   |
| 2     | 2620.0000      | 32.59                          | 4.80                  | -36.65                | 44.36             | 45.10             | 74.00             | 28.90          | Pass   | H        | Peak   |
| 3     | 7048.9699      | 36.15                          | 6.15                  | -36.16                | 44.55             | 50.69             | 74.00             | 23.31          | Pass   | H        | Peak   |
| 4     | 10480.0000     | 38.47                          | 7.45                  | -36.81                | 42.82             | 51.93             | 74.00             | 22.07          | Pass   | H        | Peak   |
| 5     | 10480.0000     | 38.47                          | 7.45                  | -36.81                | 34.10             | 43.21             | 54.00             | 10.79          | Pass   | H        | AV     |
| 6     | 13080.7387     | 39.57                          | 7.92                  | -35.36                | 38.30             | 50.43             | 74.00             | 23.57          | Pass   | H        | Peak   |
| 7     | 15720.0000     | 41.34                          | 10.45                 | -35.52                | 30.18             | 46.45             | 74.00             | 27.55          | Pass   | H        | Peak   |
| 8     | 2139.7140      | 31.90                          | 4.39                  | -36.38                | 49.11             | 49.02             | 74.00             | 24.98          | Pass   | V        | Peak   |
| 9     | 2620.0000      | 32.59                          | 4.80                  | -36.65                | 44.28             | 45.02             | 74.00             | 28.98          | Pass   | V        | Peak   |
| 10    | 4479.0979      | 34.47                          | 6.67                  | -36.23                | 43.54             | 48.45             | 74.00             | 25.55          | Pass   | V        | Peak   |
| 11    | 8958.0972      | 37.61                          | 6.85                  | -36.57                | 42.30             | 50.19             | 74.00             | 23.81          | Pass   | V        | Peak   |
| 12    | 10480.0000     | 38.47                          | 7.45                  | -36.81                | 44.86             | 53.97             | 74.00             | 20.03          | Pass   | V        | Peak   |
| 13    | 10480.0000     | 38.47                          | 7.45                  | -36.81                | 33.90             | 43.01             | 54.00             | 10.99          | Pass   | V        | AV     |
| 14    | 15720.0000     | 41.34                          | 10.45                 | -35.52                | 31.29             | 47.56             | 74.00             | 26.44          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5190   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 2217.2717      | 32.00                          | 4.42                  | -36.66                | 46.64             | 46.40             | 74.00             | 27.60          | Pass   | H        | Peak   |
| 2     | 2595.0000      | 32.55                          | 4.78                  | -36.63                | 44.07             | 44.77             | 74.00             | 29.23          | Pass   | H        | Peak   |
| 3     | 7285.1190      | 36.39                          | 6.29                  | -36.29                | 43.20             | 49.59             | 74.00             | 24.41          | Pass   | H        | Peak   |
| 4     | 9053.9369      | 37.69                          | 6.74                  | -36.50                | 41.97             | 49.90             | 74.00             | 24.10          | Pass   | H        | Peak   |
| 5     | 10380.0000     | 38.33                          | 7.41                  | -36.63                | 38.83             | 47.94             | 74.00             | 26.06          | Pass   | H        | Peak   |
| 6     | 15570.0000     | 41.04                          | 10.06                 | -34.81                | 32.55             | 48.84             | 74.00             | 25.16          | Pass   | H        | Peak   |
| 7     | 1399.3399      | 28.30                          | 3.33                  | -37.20                | 55.12             | 49.55             | 74.00             | 24.45          | Pass   | V        | Peak   |
| 8     | 2595.0000      | 32.55                          | 4.78                  | -36.63                | 44.66             | 45.36             | 74.00             | 28.64          | Pass   | V        | Peak   |
| 9     | 5486.7987      | 34.99                          | 7.97                  | -36.16                | 43.17             | 49.97             | 74.00             | 24.03          | Pass   | V        | Peak   |
| 10    | 7768.1512      | 36.49                          | 6.38                  | -36.58                | 44.01             | 50.30             | 74.00             | 23.70          | Pass   | V        | Peak   |
| 11    | 10380.0000     | 38.33                          | 7.41                  | -36.63                | 40.51             | 49.62             | 74.00             | 24.38          | Pass   | V        | Peak   |
| 12    | 15570.0000     | 41.04                          | 10.06                 | -34.81                | 31.33             | 47.62             | 74.00             | 26.38          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5230   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1794.2794      | 30.34                          | 3.85                  | -36.80                | 50.80             | 48.19             | 74.00             | 25.81          | Pass   | H        | Peak   |
| 2     | 2615.0000      | 32.58                          | 4.79                  | -36.64                | 45.05             | 45.78             | 74.00             | 28.22          | Pass   | H        | Peak   |
| 3     | 3990.0990      | 33.79                          | 6.36                  | -36.21                | 44.72             | 48.66             | 74.00             | 25.34          | Pass   | H        | Peak   |
| 4     | 7915.3610      | 36.43                          | 6.63                  | -36.28                | 43.23             | 50.01             | 74.00             | 23.99          | Pass   | H        | Peak   |
| 5     | 10460.0000     | 38.44                          | 7.49                  | -36.77                | 39.15             | 48.31             | 74.00             | 25.69          | Pass   | H        | Peak   |
| 6     | 15690.0000     | 41.28                          | 10.53                 | -35.79                | 32.52             | 48.54             | 74.00             | 25.46          | Pass   | H        | Peak   |
| 7     | 1599.0099      | 29.05                          | 3.60                  | -36.99                | 51.46             | 47.12             | 74.00             | 26.88          | Pass   | V        | Peak   |
| 8     | 2615.0000      | 32.58                          | 4.79                  | -36.64                | 44.53             | 45.26             | 74.00             | 28.74          | Pass   | V        | Peak   |
| 9     | 3187.5688      | 33.28                          | 5.68                  | -36.76                | 47.90             | 50.10             | 74.00             | 23.90          | Pass   | V        | Peak   |
| 10    | 7480.6320      | 36.58                          | 6.51                  | -36.21                | 42.62             | 49.50             | 74.00             | 24.50          | Pass   | V        | Peak   |
| 11    | 10460.0000     | 38.44                          | 7.49                  | -36.77                | 41.20             | 50.36             | 74.00             | 23.64          | Pass   | V        | Peak   |
| 12    | 15690.0000     | 41.28                          | 10.53                 | -35.79                | 31.14             | 47.16             | 74.00             | 26.84          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT80)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5210   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1995.0495      | 31.67                          | 4.13                  | -36.75                | 49.83             | 48.88             | 74.00             | 25.12          | Pass   | H        | Peak   |
| 2     | 2605.0000      | 32.57                          | 4.78                  | -36.65                | 45.40             | 46.10             | 74.00             | 27.90          | Pass   | H        | Peak   |
| 3     | 4255.2255      | 34.16                          | 6.34                  | -36.29                | 43.77             | 47.98             | 74.00             | 26.02          | Pass   | H        | Peak   |
| 4     | 7670.7781      | 36.53                          | 6.30                  | -36.50                | 43.56             | 49.89             | 74.00             | 24.11          | Pass   | H        | Peak   |
| 5     | 10420.0000     | 38.39                          | 7.53                  | -36.62                | 41.18             | 50.48             | 74.00             | 23.52          | Pass   | H        | Peak   |
| 6     | 15630.0000     | 41.16                          | 10.41                 | -35.22                | 31.82             | 48.17             | 74.00             | 25.83          | Pass   | H        | Peak   |
| 7     | 2605.0000      | 32.57                          | 4.78                  | -36.65                | 45.60             | 46.30             | 74.00             | 27.70          | Pass   | V        | Peak   |
| 8     | 3165.5666      | 33.27                          | 5.56                  | -36.88                | 46.85             | 48.80             | 74.00             | 25.20          | Pass   | V        | Peak   |
| 9     | 7144.8097      | 36.24                          | 6.30                  | -36.34                | 43.80             | 50.00             | 74.00             | 24.00          | Pass   | V        | Peak   |
| 10    | 10420.0000     | 38.39                          | 7.53                  | -36.62                | 42.60             | 51.90             | 74.00             | 22.10          | Pass   | V        | Peak   |
| 11    | 10420.0000     | 38.39                          | 7.53                  | -36.62                | 33.00             | 42.30             | 54.00             | 11.70          | Pass   | V        | AV     |
| 12    | 12573.9383     | 39.60                          | 7.89                  | -35.96                | 38.37             | 49.90             | 74.00             | 24.10          | Pass   | V        | Peak   |
| 13    | 15630.0000     | 41.16                          | 10.41                 | -35.22                | 31.58             | 47.93             | 74.00             | 26.07          | Pass   | V        | Peak   |

**Transmitter Emission 18GHz-40GHz**

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |               | 5180   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|---------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Magin<br>[dB] | Result | Polarity | Remark |
| 1     | 20720.0000     | 38.72                         | 0.00                  | -63.22                | 67.80             | 43.30             | 74.00             | 30.70         | Pass   | H        | Peak   |
| 2     | 23459.5730     | 39.45                         | 0.00                  | -61.79                | 68.12             | 45.78             | 74.00             | 28.22         | Pass   | H        | Peak   |
| 3     | 25900.0000     | 40.43                         | 0.00                  | -59.10                | 62.83             | 44.16             | 74.00             | 29.84         | Pass   | H        | Peak   |
| 4     | 31080.0000     | 41.34                         | 0.00                  | -58.91                | 57.14             | 39.57             | 74.00             | 34.43         | Pass   | H        | Peak   |
| 5     | 33693.3847     | 42.18                         | 0.00                  | -57.85                | 58.83             | 43.16             | 74.00             | 30.84         | Pass   | H        | Peak   |
| 6     | 36260.0000     | 43.14                         | 0.00                  | -57.95                | 52.75             | 37.94             | 74.00             | 36.06         | Pass   | H        | Peak   |
| 7     | 20720.0000     | 38.72                         | 0.00                  | -63.22                | 67.58             | 43.08             | 74.00             | 30.92         | Pass   | V        | Peak   |
| 8     | 24113.0057     | 40.23                         | 0.00                  | -60.94                | 67.09             | 46.38             | 74.00             | 27.62         | Pass   | V        | Peak   |
| 9     | 25900.0000     | 40.43                         | 0.00                  | -59.10                | 62.73             | 44.06             | 74.00             | 29.94         | Pass   | V        | Peak   |
| 10    | 31080.0000     | 41.34                         | 0.00                  | -58.91                | 58.66             | 41.09             | 74.00             | 32.91         | Pass   | V        | Peak   |
| 11    | 33638.3819     | 42.17                         | 0.00                  | -57.68                | 59.51             | 44.00             | 74.00             | 30.00         | Pass   | V        | Peak   |
| 12    | 36260.0000     | 43.14                         | 0.00                  | -57.95                | 52.82             | 38.01             | 74.00             | 35.99         | Pass   | V        | Peak   |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |               | 5200   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|---------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Magin<br>[dB] | Result | Polarity | Remark |
| 1     | 20800.0000     | 38.69                         | 0.00                  | -63.05                | 67.85             | 43.49             | 74.00             | 30.51         | Pass   | H        | Peak   |
| 2     | 24021.7011     | 40.18                         | 0.00                  | -60.66                | 67.38             | 46.90             | 74.00             | 27.10         | Pass   | H        | Peak   |
| 3     | 26000.0000     | 40.40                         | 0.00                  | -58.82                | 61.30             | 42.88             | 74.00             | 31.12         | Pass   | H        | Peak   |
| 4     | 29767.2884     | 40.72                         | 0.00                  | -60.26                | 61.82             | 42.28             | 74.00             | 31.72         | Pass   | H        | Peak   |
| 5     | 31200.0000     | 41.43                         | 0.00                  | -59.31                | 57.49             | 39.61             | 74.00             | 34.39         | Pass   | H        | Peak   |
| 6     | 36400.0000     | 43.12                         | 0.00                  | -57.71                | 54.70             | 40.11             | 74.00             | 33.89         | Pass   | H        | Peak   |
| 7     | 20800.0000     | 38.69                         | 0.00                  | -63.05                | 67.87             | 43.51             | 74.00             | 30.49         | Pass   | H        | Peak   |
| 8     | 22568.5284     | 38.61                         | 0.00                  | -62.96                | 69.31             | 44.96             | 74.00             | 29.04         | Pass   | V        | Peak   |
| 9     | 26000.0000     | 40.40                         | 0.00                  | -58.82                | 63.04             | 44.62             | 74.00             | 29.38         | Pass   | V        | Peak   |
| 10    | 29776.0888     | 40.73                         | 0.00                  | -60.28                | 61.76             | 42.21             | 74.00             | 31.79         | Pass   | V        | Peak   |
| 11    | 31200.0000     | 41.43                         | 0.00                  | -59.31                | 57.08             | 39.20             | 74.00             | 34.80         | Pass   | V        | Peak   |
| 12    | 36400.0000     | 43.12                         | 0.00                  | -57.71                | 55.54             | 40.95             | 74.00             | 33.05         | Pass   | V        | Peak   |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5240   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20960.0000     | 38.63                         | 0.00                  | -63.07                | 67.88             | 43.44             | 74.00             | 30.56          | Pass   | H        | Peak   |
| 2     | 23087.7544     | 38.96                         | 0.00                  | -62.50                | 68.95             | 45.41             | 74.00             | 28.59          | Pass   | H        | Peak   |
| 3     | 26200.0000     | 40.40                         | 0.00                  | -59.99                | 62.85             | 43.26             | 74.00             | 30.74          | Pass   | H        | Peak   |
| 4     | 31440.0000     | 41.61                         | 0.00                  | -58.96                | 57.47             | 40.12             | 74.00             | 33.88          | Pass   | H        | Peak   |
| 5     | 33749.4875     | 42.19                         | 0.00                  | -58.03                | 60.59             | 44.75             | 74.00             | 29.25          | Pass   | H        | Peak   |
| 6     | 36680.0000     | 43.10                         | 0.00                  | -57.75                | 52.56             | 37.91             | 74.00             | 36.09          | Pass   | H        | Peak   |
| 7     | 20960.0000     | 38.63                         | 0.00                  | -63.07                | 67.43             | 42.99             | 74.00             | 31.01          | Pass   | V        | Peak   |
| 8     | 23998.5999     | 40.17                         | 0.00                  | -60.60                | 67.46             | 47.03             | 74.00             | 26.97          | Pass   | V        | Peak   |
| 9     | 26200.0000     | 40.40                         | 0.00                  | -59.99                | 62.08             | 42.49             | 74.00             | 31.51          | Pass   | V        | Peak   |
| 10    | 31440.0000     | 41.61                         | 0.00                  | -58.96                | 60.12             | 42.77             | 74.00             | 31.23          | Pass   | V        | Peak   |
| 11    | 33727.4864     | 42.18                         | 0.00                  | -57.95                | 60.82             | 45.05             | 74.00             | 28.95          | Pass   | V        | Peak   |
| 12    | 36680.0000     | 43.10                         | 0.00                  | -57.75                | 52.95             | 38.30             | 74.00             | 35.70          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5180   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20720.0000     | 38.72                         | 0.00                  | -63.22                | 66.85             | 42.35             | 74.00             | 31.65          | Pass   | H        | Peak   |
| 2     | 22690.6345     | 38.68                         | 0.00                  | -63.04                | 69.69             | 45.33             | 74.00             | 28.67          | Pass   | H        | Peak   |
| 3     | 25900.0000     | 40.43                         | 0.00                  | -59.10                | 63.53             | 44.86             | 74.00             | 29.14          | Pass   | H        | Peak   |
| 4     | 31080.0000     | 41.34                         | 0.00                  | -58.91                | 59.02             | 41.45             | 74.00             | 32.55          | Pass   | H        | Peak   |
| 5     | 33652.6826     | 42.17                         | 0.00                  | -57.72                | 60.55             | 45.00             | 74.00             | 29.00          | Pass   | H        | Peak   |
| 6     | 36260.0000     | 43.14                         | 0.00                  | -57.95                | 53.76             | 38.95             | 74.00             | 35.05          | Pass   | H        | Peak   |
| 7     | 20720.0000     | 38.72                         | 0.00                  | -63.22                | 67.38             | 42.88             | 74.00             | 31.12          | Pass   | V        | Peak   |
| 8     | 24016.2008     | 40.18                         | 0.00                  | -60.65                | 66.95             | 46.48             | 74.00             | 27.52          | Pass   | V        | Peak   |
| 9     | 25900.0000     | 40.43                         | 0.00                  | -59.10                | 63.16             | 44.49             | 74.00             | 29.51          | Pass   | V        | Peak   |
| 10    | 31080.0000     | 41.34                         | 0.00                  | -58.91                | 58.60             | 41.03             | 74.00             | 32.97          | Pass   | V        | Peak   |
| 11    | 33740.6870     | 42.19                         | 0.00                  | -58.00                | 60.09             | 44.28             | 74.00             | 29.72          | Pass   | V        | Peak   |
| 12    | 36260.0000     | 43.14                         | 0.00                  | -57.95                | 54.46             | 39.65             | 74.00             | 34.35          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5200   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20800.0000     | 38.69                         | 0.00                  | -63.05                | 67.50             | 43.14             | 74.00             | 30.86          | Pass   | H        | Peak   |
| 2     | 24392.4196     | 40.38                         | 0.00                  | -60.24                | 66.44             | 46.58             | 74.00             | 27.42          | Pass   | H        | Peak   |
| 3     | 26000.0000     | 40.40                         | 0.00                  | -58.82                | 62.73             | 44.31             | 74.00             | 29.69          | Pass   | H        | Peak   |
| 4     | 28050.1025     | 39.64                         | 0.00                  | -60.08                | 64.67             | 44.23             | 74.00             | 29.77          | Pass   | H        | Peak   |
| 5     | 31200.0000     | 41.43                         | 0.00                  | -59.31                | 58.62             | 40.74             | 74.00             | 33.26          | Pass   | H        | Peak   |
| 6     | 36400.0000     | 43.12                         | 0.00                  | -57.71                | 55.47             | 40.88             | 74.00             | 33.12          | Pass   | H        | Peak   |
| 7     | 20800.0000     | 38.69                         | 0.00                  | -63.05                | 68.25             | 43.89             | 74.00             | 30.11          | Pass   | V        | Peak   |
| 8     | 22605.9303     | 38.63                         | 0.00                  | -62.96                | 69.72             | 45.39             | 74.00             | 28.61          | Pass   | V        | Peak   |
| 9     | 26000.0000     | 40.40                         | 0.00                  | -58.82                | 61.15             | 42.73             | 74.00             | 31.27          | Pass   | V        | Peak   |
| 10    | 28893.8447     | 40.23                         | 0.00                  | -60.52                | 63.16             | 42.87             | 74.00             | 31.13          | Pass   | V        | Peak   |
| 11    | 31200.0000     | 41.43                         | 0.00                  | -59.31                | 58.62             | 40.74             | 74.00             | 33.26          | Pass   | V        | Peak   |
| 12    | 36400.0000     | 43.12                         | 0.00                  | -57.71                | 55.78             | 41.19             | 74.00             | 32.81          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5240   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20960.0000     | 38.63                         | 0.00                  | -63.07                | 67.99             | 43.55             | 74.00             | 30.45          | Pass   | H        | Peak   |
| 2     | 26200.0000     | 40.40                         | 0.00                  | -59.99                | 63.86             | 44.27             | 74.00             | 29.73          | Pass   | H        | Peak   |
| 3     | 29226.0613     | 40.42                         | 0.00                  | -60.66                | 62.97             | 42.73             | 74.00             | 31.27          | Pass   | H        | Peak   |
| 4     | 31440.0000     | 41.61                         | 0.00                  | -58.96                | 57.14             | 39.79             | 74.00             | 34.21          | Pass   | H        | Peak   |
| 5     | 34487.6244     | 42.62                         | 0.00                  | -58.10                | 58.33             | 42.85             | 74.00             | 31.15          | Pass   | H        | Peak   |
| 6     | 36680.0000     | 43.10                         | 0.00                  | -57.75                | 52.24             | 37.59             | 74.00             | 36.41          | Pass   | H        | Peak   |
| 7     | 20960.0000     | 38.63                         | 0.00                  | -63.07                | 67.41             | 42.97             | 74.00             | 31.03          | Pass   | V        | Peak   |
| 8     | 22664.2332     | 38.66                         | 0.00                  | -63.01                | 69.72             | 45.37             | 74.00             | 28.63          | Pass   | V        | Peak   |
| 9     | 26200.0000     | 40.40                         | 0.00                  | -59.99                | 62.06             | 42.47             | 74.00             | 31.53          | Pass   | V        | Peak   |
| 10    | 28825.6413     | 40.18                         | 0.00                  | -60.56                | 64.29             | 43.91             | 74.00             | 30.09          | Pass   | V        | Peak   |
| 11    | 31440.0000     | 41.61                         | 0.00                  | -58.96                | 57.10             | 39.75             | 74.00             | 34.25          | Pass   | V        | Peak   |
| 12    | 36680.0000     | 43.10                         | 0.00                  | -57.75                | 52.55             | 37.90             | 74.00             | 36.10          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5190   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20760.0000     | 38.70                         | 0.00                  | -63.13                | 67.90             | 43.47             | 74.00             | 30.53          | Pass   | H        | Peak   |
| 2     | 21780.8890     | 38.38                         | 0.00                  | -63.11                | 70.78             | 46.05             | 74.00             | 27.95          | Pass   | H        | Peak   |
| 3     | 25950.0000     | 40.42                         | 0.00                  | -58.96                | 64.36             | 45.82             | 74.00             | 28.18          | Pass   | H        | Peak   |
| 4     | 28824.5412     | 40.18                         | 0.00                  | -60.57                | 63.75             | 43.36             | 74.00             | 30.64          | Pass   | H        | Peak   |
| 5     | 31140.0000     | 41.38                         | 0.00                  | -59.11                | 58.02             | 40.29             | 74.00             | 33.71          | Pass   | H        | Peak   |
| 6     | 36330.0000     | 43.13                         | 0.00                  | -57.83                | 54.51             | 39.81             | 74.00             | 34.19          | Pass   | H        | Peak   |
| 7     | 20760.0000     | 38.70                         | 0.00                  | -63.13                | 67.90             | 43.47             | 74.00             | 30.53          | Pass   | V        | Peak   |
| 8     | 21780.8890     | 38.38                         | 0.00                  | -63.11                | 70.78             | 46.05             | 74.00             | 27.95          | Pass   | V        | Peak   |
| 9     | 25950.0000     | 40.42                         | 0.00                  | -58.96                | 64.36             | 45.82             | 74.00             | 28.18          | Pass   | V        | Peak   |
| 10    | 28824.5412     | 40.18                         | 0.00                  | -60.57                | 63.75             | 43.36             | 74.00             | 30.64          | Pass   | V        | Peak   |
| 11    | 31140.0000     | 41.38                         | 0.00                  | -59.11                | 58.02             | 40.29             | 74.00             | 33.71          | Pass   | V        | Peak   |
| 12    | 36330.0000     | 43.13                         | 0.00                  | -57.83                | 54.51             | 39.81             | 74.00             | 34.19          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5230   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20920.0000     | 38.65                         | 0.00                  | -63.07                | 68.06             | 43.64             | 74.00             | 30.36          | Pass   | H        | Peak   |
| 2     | 22233.0117     | 38.43                         | 0.00                  | -63.09                | 70.76             | 46.10             | 74.00             | 27.90          | Pass   | H        | Peak   |
| 3     | 26150.0000     | 40.40                         | 0.00                  | -59.70                | 63.06             | 43.76             | 74.00             | 30.24          | Pass   | H        | Peak   |
| 4     | 31380.0000     | 41.56                         | 0.00                  | -59.01                | 59.51             | 42.06             | 74.00             | 31.94          | Pass   | H        | Peak   |
| 5     | 34669.1335     | 42.77                         | 0.00                  | -57.93                | 60.21             | 45.05             | 74.00             | 28.95          | Pass   | H        | Peak   |
| 6     | 36610.0000     | 43.11                         | 0.00                  | -57.32                | 54.25             | 40.04             | 74.00             | 33.96          | Pass   | H        | Peak   |
| 7     | 20920.0000     | 38.65                         | 0.00                  | -63.07                | 68.83             | 44.41             | 74.00             | 29.59          | Pass   | V        | Peak   |
| 8     | 24114.1057     | 40.23                         | 0.00                  | -60.94                | 67.05             | 46.34             | 74.00             | 27.66          | Pass   | V        | Peak   |
| 9     | 26150.0000     | 40.40                         | 0.00                  | -59.70                | 62.60             | 43.30             | 74.00             | 30.70          | Pass   | V        | Peak   |
| 10    | 31380.0000     | 41.56                         | 0.00                  | -59.01                | 56.63             | 39.18             | 74.00             | 34.82          | Pass   | V        | Peak   |
| 11    | 33699.9850     | 42.18                         | 0.00                  | -57.87                | 60.03             | 44.34             | 74.00             | 29.66          | Pass   | V        | Peak   |
| 12    | 36610.0000     | 43.11                         | 0.00                  | -57.32                | 52.90             | 38.69             | 74.00             | 35.31          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5180   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20720.0000     | 38.72                          | 0.00                  | -63.22                | 68.05             | 43.55             | 74.00             | 30.45          | Pass   | H        | Peak   |
| 2     | 22492.6246     | 38.57                          | 0.00                  | -62.95                | 70.35             | 45.97             | 74.00             | 28.03          | Pass   | H        | Peak   |
| 3     | 25900.0000     | 40.43                          | 0.00                  | -59.10                | 64.08             | 45.41             | 74.00             | 28.59          | Pass   | H        | Peak   |
| 4     | 31080.0000     | 41.34                          | 0.00                  | -58.91                | 58.28             | 40.71             | 74.00             | 33.29          | Pass   | H        | Peak   |
| 5     | 33725.2863     | 42.18                          | 0.00                  | -57.94                | 60.32             | 44.56             | 74.00             | 29.44          | Pass   | H        | Peak   |
| 6     | 36260.0000     | 43.14                          | 0.00                  | -57.95                | 53.09             | 38.28             | 74.00             | 35.72          | Pass   | H        | Peak   |
| 7     | 20720.0000     | 38.72                          | 0.00                  | -63.22                | 69.25             | 44.75             | 74.00             | 29.25          | Pass   | H        | Peak   |
| 8     | 22491.5246     | 38.57                          | 0.00                  | -62.95                | 70.34             | 45.96             | 74.00             | 28.04          | Pass   | V        | Peak   |
| 9     | 25900.0000     | 40.43                          | 0.00                  | -59.10                | 63.39             | 44.72             | 74.00             | 29.28          | Pass   | V        | Peak   |
| 10    | 31080.0000     | 41.34                          | 0.00                  | -58.91                | 58.45             | 40.88             | 74.00             | 33.12          | Pass   | V        | Peak   |
| 11    | 35420.4710     | 43.09                          | 0.00                  | -57.93                | 57.88             | 43.04             | 74.00             | 30.96          | Pass   | V        | Peak   |
| 12    | 36260.0000     | 43.14                          | 0.00                  | -57.95                | 53.44             | 38.63             | 74.00             | 35.37          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5200   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 19002.1501     | 38.96                          | 0.00                  | -63.46                | 71.25             | 46.75             | 74.00             | 27.25          | Pass   | H        | Peak   |
| 2     | 20800.0000     | 38.69                          | 0.00                  | -63.05                | 67.55             | 43.19             | 74.00             | 30.81          | Pass   | H        | Peak   |
| 3     | 23656.4828     | 39.71                          | 0.00                  | -61.31                | 68.40             | 46.80             | 74.00             | 27.20          | Pass   | H        | Peak   |
| 4     | 26000.0000     | 40.40                          | 0.00                  | -58.82                | 61.26             | 42.84             | 74.00             | 31.16          | Pass   | H        | Peak   |
| 5     | 31200.0000     | 41.43                          | 0.00                  | -59.31                | 57.69             | 39.81             | 74.00             | 34.19          | Pass   | H        | Peak   |
| 6     | 36400.0000     | 43.12                          | 0.00                  | -57.71                | 54.43             | 39.84             | 74.00             | 34.16          | Pass   | H        | Peak   |
| 7     | 20800.0000     | 38.69                          | 0.00                  | -63.05                | 67.27             | 42.91             | 74.00             | 31.09          | Pass   | V        | Peak   |
| 8     | 21821.5911     | 38.37                          | 0.00                  | -63.15                | 71.74             | 46.96             | 74.00             | 27.04          | Pass   | V        | Peak   |
| 9     | 26000.0000     | 40.40                          | 0.00                  | -58.82                | 60.95             | 42.53             | 74.00             | 31.47          | Pass   | V        | Peak   |
| 10    | 27956.5978     | 39.64                          | 0.00                  | -60.00                | 64.65             | 44.29             | 74.00             | 29.71          | Pass   | V        | Peak   |
| 11    | 31200.0000     | 41.43                          | 0.00                  | -59.31                | 56.75             | 38.87             | 74.00             | 35.13          | Pass   | V        | Peak   |
| 12    | 36400.0000     | 43.12                          | 0.00                  | -57.71                | 54.70             | 40.11             | 74.00             | 33.89          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5240   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20960.0000     | 38.63                          | 0.00                  | -63.07                | 69.14             | 44.70             | 74.00             | 29.30          | Pass   | H        | Peak   |
| 2     | 23336.3668     | 39.29                          | 0.00                  | -62.12                | 68.34             | 45.51             | 74.00             | 28.49          | Pass   | H        | Peak   |
| 3     | 26200.0000     | 40.40                          | 0.00                  | -59.99                | 63.07             | 43.48             | 74.00             | 30.52          | Pass   | H        | Peak   |
| 4     | 31440.0000     | 41.61                          | 0.00                  | -58.96                | 56.93             | 39.58             | 74.00             | 34.42          | Pass   | H        | Peak   |
| 5     | 33713.1857     | 42.18                          | 0.00                  | -57.91                | 60.40             | 44.67             | 74.00             | 29.33          | Pass   | H        | Peak   |
| 6     | 36680.0000     | 43.10                          | 0.00                  | -57.75                | 51.96             | 37.31             | 74.00             | 36.69          | Pass   | H        | Peak   |
| 7     | 20960.0000     | 38.63                          | 0.00                  | -63.07                | 69.13             | 44.69             | 74.00             | 29.31          | Pass   | V        | Peak   |
| 8     | 22582.8291     | 38.62                          | 0.00                  | -62.96                | 70.58             | 46.24             | 74.00             | 27.76          | Pass   | V        | Peak   |
| 9     | 26200.0000     | 40.40                          | 0.00                  | -59.99                | 62.32             | 42.73             | 74.00             | 31.27          | Pass   | V        | Peak   |
| 10    | 31440.0000     | 41.61                          | 0.00                  | -58.96                | 57.11             | 39.76             | 74.00             | 34.24          | Pass   | V        | Peak   |
| 11    | 33693.3847     | 42.18                          | 0.00                  | -57.85                | 59.78             | 44.11             | 74.00             | 29.89          | Pass   | V        | Peak   |
| 12    | 36680.0000     | 43.10                          | 0.00                  | -57.75                | 52.40             | 37.75             | 74.00             | 36.25          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5190   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20760.0000     | 38.70                          | 0.00                  | -63.13                | 68.20             | 43.77             | 74.00             | 30.23          | Pass   | H        | Peak   |
| 2     | 22957.9479     | 38.82                          | 0.00                  | -62.60                | 69.65             | 45.87             | 74.00             | 28.13          | Pass   | H        | Peak   |
| 3     | 25950.0000     | 40.42                          | 0.00                  | -58.96                | 61.95             | 43.41             | 74.00             | 30.59          | Pass   | H        | Peak   |
| 4     | 31140.0000     | 41.38                          | 0.00                  | -59.11                | 57.18             | 39.45             | 74.00             | 34.55          | Pass   | H        | Peak   |
| 5     | 33703.2852     | 42.18                          | 0.00                  | -57.88                | 60.25             | 44.55             | 74.00             | 29.45          | Pass   | H        | Peak   |
| 6     | 36330.0000     | 43.13                          | 0.00                  | -57.83                | 53.73             | 39.03             | 74.00             | 34.97          | Pass   | H        | Peak   |
| 7     | 20760.0000     | 38.70                          | 0.00                  | -63.13                | 68.58             | 44.15             | 74.00             | 29.85          | Pass   | V        | Peak   |
| 8     | 21773.1887     | 38.38                          | 0.00                  | -63.11                | 70.49             | 45.76             | 74.00             | 28.24          | Pass   | V        | Peak   |
| 9     | 25950.0000     | 40.42                          | 0.00                  | -58.96                | 62.67             | 44.13             | 74.00             | 29.87          | Pass   | V        | Peak   |
| 10    | 31140.0000     | 41.38                          | 0.00                  | -59.11                | 57.39             | 39.66             | 74.00             | 34.34          | Pass   | V        | Peak   |
| 11    | 33684.5842     | 42.18                          | 0.00                  | -57.82                | 59.95             | 44.31             | 74.00             | 29.69          | Pass   | V        | Peak   |
| 12    | 36330.0000     | 43.13                          | 0.00                  | -57.83                | 53.80             | 39.10             | 74.00             | 34.90          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5230   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20920.0000     | 38.65                          | 0.00                  | -63.07                | 68.75             | 44.33             | 74.00             | 29.67          | Pass   | H        | Peak   |
| 2     | 22596.0298     | 38.63                          | 0.00                  | -62.96                | 69.54             | 45.21             | 74.00             | 28.79          | Pass   | H        | Peak   |
| 3     | 26150.0000     | 40.40                          | 0.00                  | -59.70                | 61.38             | 42.08             | 74.00             | 31.92          | Pass   | H        | Peak   |
| 4     | 31380.0000     | 41.56                          | 0.00                  | -59.01                | 57.43             | 39.98             | 74.00             | 34.02          | Pass   | H        | Peak   |
| 5     | 33697.7849     | 42.18                          | 0.00                  | -57.86                | 59.51             | 43.83             | 74.00             | 30.17          | Pass   | H        | Peak   |
| 6     | 36610.0000     | 43.11                          | 0.00                  | -57.32                | 53.46             | 39.25             | 74.00             | 34.75          | Pass   | H        | Peak   |
| 7     | 20920.0000     | 38.65                          | 0.00                  | -63.07                | 68.05             | 43.63             | 74.00             | 30.37          | Pass   | V        | Peak   |
| 8     | 23962.2981     | 40.12                          | 0.00                  | -60.65                | 66.97             | 46.44             | 74.00             | 27.56          | Pass   | V        | Peak   |
| 9     | 26150.0000     | 40.40                          | 0.00                  | -59.70                | 61.55             | 42.25             | 74.00             | 31.75          | Pass   | V        | Peak   |
| 10    | 31380.0000     | 41.56                          | 0.00                  | -59.01                | 57.53             | 40.08             | 74.00             | 33.92          | Pass   | V        | Peak   |
| 11    | 33655.9828     | 42.18                          | 0.00                  | -57.74                | 59.74             | 44.18             | 74.00             | 29.82          | Pass   | V        | Peak   |
| 12    | 36610.0000     | 43.11                          | 0.00                  | -57.32                | 53.43             | 39.22             | 74.00             | 34.78          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT80)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5210   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20840.0000     | 38.68                          | 0.00                  | -63.06                | 68.04             | 43.66             | 74.00             | 30.34          | Pass   | H        | Peak   |
| 2     | 22857.8429     | 38.76                          | 0.00                  | -62.93                | 70.19             | 46.02             | 74.00             | 27.98          | Pass   | H        | Peak   |
| 3     | 26050.0000     | 40.40                          | 0.00                  | -59.11                | 61.24             | 42.53             | 74.00             | 31.47          | Pass   | H        | Peak   |
| 4     | 31260.0000     | 41.47                          | 0.00                  | -59.21                | 57.05             | 39.31             | 74.00             | 34.69          | Pass   | H        | Peak   |
| 5     | 33698.8849     | 42.18                          | 0.00                  | -57.87                | 59.70             | 44.01             | 74.00             | 29.99          | Pass   | H        | Peak   |
| 6     | 36470.0000     | 43.12                          | 0.00                  | -57.56                | 55.32             | 40.88             | 74.00             | 33.12          | Pass   | H        | Peak   |
| 7     | 20840.0000     | 38.68                          | 0.00                  | -63.06                | 67.19             | 42.81             | 74.00             | 31.19          | Pass   | V        | Peak   |
| 8     | 24071.2036     | 40.21                          | 0.00                  | -60.82                | 67.52             | 46.91             | 74.00             | 27.09          | Pass   | V        | Peak   |
| 9     | 26050.0000     | 40.40                          | 0.00                  | -59.11                | 61.24             | 42.53             | 74.00             | 31.47          | Pass   | V        | Peak   |
| 10    | 31260.0000     | 41.47                          | 0.00                  | -59.21                | 56.74             | 39.00             | 74.00             | 35.00          | Pass   | V        | Peak   |
| 11    | 33698.8849     | 42.18                          | 0.00                  | -57.87                | 60.15             | 44.46             | 74.00             | 29.54          | Pass   | V        | Peak   |
| 12    | 36470.0000     | 43.12                          | 0.00                  | -57.56                | 54.98             | 40.54             | 74.00             | 33.46          | Pass   | V        | Peak   |

**Band U-NII-3**
**Transmitter Emission 1GHz-18GHz**

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5745   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1399.8900      | 28.30                         | 2.95                  | -37.20                | 49.18             | 43.23             | 74.00             | 30.77          | Pass   | H        | Peak   |
| 2     | 2872.5000      | 33.00                         | 4.48                  | -36.78                | 44.75             | 45.45             | 74.00             | 28.55          | Pass   | H        | Peak   |
| 3     | 4564.9065      | 34.50                         | 5.80                  | -36.31                | 43.64             | 47.63             | 74.00             | 26.37          | Pass   | H        | Peak   |
| 4     | 7853.2569      | 36.46                         | 6.50                  | -36.49                | 43.66             | 50.13             | 74.00             | 23.87          | Pass   | H        | Peak   |
| 5     | 11490.0000     | 38.89                         | 7.94                  | -35.44                | 42.17             | 53.56             | 74.00             | 20.44          | Pass   | H        | Peak   |
| 6     | 11490.0000     | 38.89                         | 7.94                  | -35.44                | 34.37             | 45.76             | 54.00             | 8.24           | Pass   | H        | AV     |
| 7     | 17235.0000     | 42.44                         | 11.22                 | -32.70                | 33.08             | 54.04             | 74.00             | 19.96          | Pass   | H        | Peak   |
| 8     | 17235.0000     | 42.44                         | 11.23                 | -32.70                | 26.46             | 47.43             | 54.00             | 6.57           | Pass   | H        | AV     |
| 9     | 1195.8196      | 28.10                         | 2.86                  | -37.66                | 51.43             | 44.73             | 74.00             | 29.27          | Pass   | V        | Peak   |
| 10    | 2872.5000      | 33.00                         | 4.48                  | -36.78                | 44.43             | 45.13             | 74.00             | 28.87          | Pass   | V        | Peak   |
| 11    | 5738.7239      | 35.38                         | 6.99                  | -36.13                | 44.04             | 50.28             | 74.00             | 23.72          | Pass   | V        | Peak   |
| 12    | 7898.4932      | 36.44                         | 6.65                  | -36.20                | 43.40             | 50.29             | 74.00             | 23.71          | Pass   | V        | Peak   |
| 13    | 11490.0000     | 38.89                         | 7.94                  | -35.44                | 47.10             | 58.49             | 74.00             | 15.51          | Pass   | V        | Peak   |
| 14    | 11490.0000     | 38.89                         | 7.94                  | -35.44                | 36.50             | 47.89             | 54.00             | 6.11           | Pass   | V        | AV     |
| 15    | 17235.0000     | 42.44                         | 11.22                 | -32.70                | 32.39             | 53.35             | 74.00             | 20.65          | Pass   | V        | Peak   |
| 16    | 17235.0000     | 42.44                         | 11.23                 | -32.70                | 26.11             | 47.08             | 54.00             | 6.92           | Pass   | V        | AV     |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5785   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1735.9736      | 29.96                         | 3.29                  | -36.81                | 47.31             | 43.75             | 74.00             | 30.25          | Pass   | H        | Peak   |
| 2     | 2892.5000      | 33.03                         | 4.47                  | -36.66                | 44.10             | 44.94             | 74.00             | 29.06          | Pass   | H        | Peak   |
| 3     | 4527.5028      | 34.50                         | 5.84                  | -36.26                | 43.69             | 47.77             | 74.00             | 26.23          | Pass   | H        | Peak   |
| 4     | 7682.2788      | 36.53                         | 6.32                  | -36.45                | 43.67             | 50.07             | 74.00             | 23.93          | Pass   | H        | Peak   |
| 5     | 11570.0000     | 38.96                         | 7.70                  | -35.51                | 39.17             | 50.32             | 74.00             | 23.68          | Pass   | H        | Peak   |
| 6     | 17355.0000     | 42.56                         | 11.03                 | -33.38                | 30.71             | 50.92             | 74.00             | 23.08          | Pass   | H        | Peak   |
| 7     | 2461.4962      | 32.35                         | 4.05                  | -36.69                | 47.40             | 47.11             | 74.00             | 26.89          | Pass   | H        | Peak   |
| 8     | 2892.5000      | 33.03                         | 4.47                  | -36.66                | 44.52             | 45.36             | 74.00             | 28.64          | Pass   | V        | Peak   |
| 9     | 4920.7921      | 34.50                         | 5.97                  | -36.17                | 43.53             | 47.83             | 74.00             | 26.17          | Pass   | V        | Peak   |
| 10    | 8425.9951      | 36.57                         | 6.70                  | -36.34                | 44.06             | 50.99             | 74.00             | 23.01          | Pass   | V        | Peak   |
| 11    | 11570.0000     | 38.96                         | 7.70                  | -35.51                | 39.75             | 50.90             | 74.00             | 23.10          | Pass   | V        | Peak   |
| 12    | 17355.0000     | 42.56                         | 11.03                 | -33.38                | 30.52             | 50.73             | 74.00             | 23.27          | Pass   | V        | Peak   |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5825   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 2397.6898      | 32.26                         | 4.00                  | -36.61                | 47.69             | 47.34             | 74.00             | 26.66          | Pass   | H        | Peak   |
| 2     | 2912.5000      | 33.06                         | 4.50                  | -36.67                | 43.19             | 44.08             | 74.00             | 29.92          | Pass   | H        | Peak   |
| 3     | 5173.8174      | 34.67                         | 6.20                  | -35.98                | 42.86             | 47.75             | 74.00             | 26.25          | Pass   | H        | Peak   |
| 4     | 8421.3948      | 36.57                         | 6.70                  | -36.33                | 42.85             | 49.79             | 74.00             | 24.21          | Pass   | H        | Peak   |
| 5     | 11650.0000     | 39.02                         | 7.54                  | -35.87                | 39.52             | 50.21             | 74.00             | 23.79          | Pass   | H        | Peak   |
| 6     | 17475.0000     | 42.68                         | 11.90                 | -34.14                | 30.45             | 50.89             | 74.00             | 23.11          | Pass   | H        | Peak   |
| 7     | 1397.1397      | 28.30                         | 2.95                  | -37.21                | 51.51             | 45.55             | 74.00             | 28.45          | Pass   | V        | Peak   |
| 8     | 2912.5000      | 33.06                         | 4.50                  | -36.67                | 43.24             | 44.13             | 74.00             | 29.87          | Pass   | V        | Peak   |
| 9     | 5820.1320      | 35.51                         | 7.01                  | -36.01                | 43.46             | 49.97             | 74.00             | 24.03          | Pass   | V        | Peak   |
| 10    | 10274.5516     | 38.18                         | 7.23                  | -36.67                | 41.02             | 49.76             | 74.00             | 24.24          | Pass   | V        | Peak   |
| 11    | 11650.0000     | 39.02                         | 7.54                  | -35.87                | 38.76             | 49.45             | 74.00             | 24.55          | Pass   | V        | Peak   |
| 12    | 17475.0000     | 42.68                         | 11.90                 | -34.14                | 30.41             | 50.85             | 74.00             | 23.15          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5745   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 2116.0616      | 31.86                         | 3.68                  | -36.54                | 47.10             | 46.10             | 74.00             | 27.90          | Pass   | H        | Peak   |
| 2     | 2872.5000      | 33.00                         | 4.48                  | -36.78                | 45.16             | 45.86             | 74.00             | 28.14          | Pass   | H        | Peak   |
| 3     | 4646.3146      | 34.50                         | 5.75                  | -36.15                | 42.84             | 46.94             | 74.00             | 27.06          | Pass   | H        | Peak   |
| 4     | 8414.4943      | 36.57                         | 6.70                  | -36.31                | 43.88             | 50.84             | 74.00             | 23.16          | Pass   | H        | Peak   |
| 5     | 11490.0000     | 38.89                         | 7.94                  | -35.44                | 38.22             | 49.61             | 74.00             | 24.39          | Pass   | H        | Peak   |
| 6     | 17235.0000     | 42.44                         | 11.22                 | -32.70                | 32.28             | 53.24             | 74.00             | 20.76          | Pass   | H        | Peak   |
| 7     | 17235.0000     | 42.44                         | 11.23                 | -32.70                | 25.16             | 46.13             | 54.00             | 7.87           | Pass   | H        | AV     |
| 8     | 1395.4895      | 28.30                         | 2.95                  | -37.21                | 52.90             | 46.94             | 74.00             | 27.06          | Pass   | V        | Peak   |
| 9     | 2872.5000      | 33.00                         | 4.48                  | -36.78                | 44.30             | 45.00             | 74.00             | 29.00          | Pass   | V        | Peak   |
| 10    | 3196.9197      | 33.28                         | 4.71                  | -36.71                | 47.54             | 48.82             | 74.00             | 25.18          | Pass   | V        | Peak   |
| 11    | 6120.4620      | 35.82                         | 7.08                  | -36.27                | 42.62             | 49.25             | 74.00             | 24.75          | Pass   | V        | Peak   |
| 12    | 11490.0000     | 38.89                         | 7.94                  | -35.44                | 38.37             | 49.76             | 74.00             | 24.24          | Pass   | V        | Peak   |
| 13    | 17235.0000     | 42.44                         | 11.22                 | -32.70                | 29.91             | 50.87             | 74.00             | 23.13          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5785   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 2397.1397      | 32.26                         | 4.00                  | -36.61                | 47.94             | 47.59             | 74.00             | 26.41          | Pass   | H        | Peak   |
| 2     | 2892.5000      | 33.03                         | 4.47                  | -36.66                | 44.11             | 44.95             | 74.00             | 29.05          | Pass   | H        | Peak   |
| 3     | 3400.9901      | 33.36                         | 4.82                  | -36.64                | 46.79             | 48.33             | 74.00             | 25.67          | Pass   | H        | Peak   |
| 4     | 6979.1986      | 36.09                         | 6.37                  | -36.22                | 43.27             | 49.51             | 74.00             | 24.49          | Pass   | H        | Peak   |
| 5     | 11570.0000     | 38.96                         | 7.70                  | -35.51                | 37.79             | 48.94             | 74.00             | 25.06          | Pass   | H        | Peak   |
| 6     | 17355.0000     | 42.56                         | 11.03                 | -33.38                | 30.74             | 50.95             | 74.00             | 23.05          | Pass   | H        | Peak   |
| 7     | 1199.6700      | 28.10                         | 2.87                  | -37.64                | 53.11             | 46.44             | 74.00             | 27.56          | Pass   | V        | Peak   |
| 8     | 2078.6579      | 31.81                         | 3.66                  | -36.72                | 49.90             | 48.65             | 74.00             | 25.35          | Pass   | V        | Peak   |
| 9     | 2892.5000      | 33.03                         | 4.47                  | -36.66                | 44.83             | 45.67             | 74.00             | 28.33          | Pass   | V        | Peak   |
| 10    | 7867.0578      | 36.45                         | 6.54                  | -36.39                | 43.21             | 49.81             | 74.00             | 24.19          | Pass   | V        | Peak   |
| 11    | 11570.0000     | 38.96                         | 7.70                  | -35.51                | 37.37             | 48.52             | 74.00             | 25.48          | Pass   | V        | Peak   |
| 12    | 17355.0000     | 42.56                         | 11.03                 | -33.38                | 29.84             | 50.05             | 74.00             | 23.95          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5825   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 2160.0660      | 31.92                         | 3.76                  | -36.35                | 47.00             | 46.33             | 74.00             | 27.67          | Pass   | H        | Peak   |
| 2     | 2912.5000      | 33.06                         | 4.50                  | -36.67                | 43.42             | 44.31             | 74.00             | 29.69          | Pass   | H        | Peak   |
| 3     | 5190.8691      | 34.69                         | 6.25                  | -35.93                | 43.36             | 48.37             | 74.00             | 25.63          | Pass   | H        | Peak   |
| 4     | 8031.1354      | 36.41                         | 6.56                  | -36.53                | 43.52             | 49.96             | 74.00             | 24.04          | Pass   | H        | Peak   |
| 5     | 11650.0000     | 39.02                         | 7.54                  | -35.87                | 38.22             | 48.91             | 74.00             | 25.09          | Pass   | H        | Peak   |
| 6     | 17475.0000     | 42.68                         | 11.90                 | -34.14                | 33.91             | 54.35             | 74.00             | 19.65          | Pass   | H        | Peak   |
| 7     | 17475.0000     | 42.68                         | 11.89                 | -34.14                | 25.25             | 45.68             | 54.00             | 8.32           | Pass   | H        | AV     |
| 8     | 1397.6898      | 28.30                         | 2.95                  | -37.21                | 54.86             | 48.90             | 74.00             | 25.10          | Pass   | V        | Peak   |
| 9     | 2912.5000      | 33.06                         | 4.50                  | -36.67                | 43.46             | 44.35             | 74.00             | 29.65          | Pass   | V        | Peak   |
| 10    | 3920.7921      | 33.74                         | 5.47                  | -36.06                | 43.40             | 46.55             | 74.00             | 27.45          | Pass   | V        | Peak   |
| 11    | 7906.9271      | 36.44                         | 6.64                  | -36.23                | 42.42             | 49.27             | 74.00             | 24.73          | Pass   | V        | Peak   |
| 12    | 11650.0000     | 39.02                         | 7.54                  | -35.87                | 37.61             | 48.30             | 74.00             | 25.70          | Pass   | V        | Peak   |
| 13    | 17475.0000     | 42.68                         | 11.90                 | -34.14                | 30.34             | 50.78             | 74.00             | 23.22          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5755   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 2155.1155      | 31.92                         | 3.74                  | -36.32                | 46.31             | 45.65             | 74.00             | 28.35          | Pass   | H        | Peak   |
| 2     | 2877.5000      | 33.00                         | 4.48                  | -36.75                | 43.79             | 44.52             | 74.00             | 29.48          | Pass   | H        | Peak   |
| 3     | 4432.3432      | 34.41                         | 5.62                  | -36.18                | 43.60             | 47.45             | 74.00             | 26.55          | Pass   | H        | Peak   |
| 4     | 7670.7781      | 36.53                         | 6.30                  | -36.50                | 43.81             | 50.14             | 74.00             | 23.86          | Pass   | H        | Peak   |
| 5     | 11510.0000     | 38.91                         | 7.91                  | -35.42                | 35.98             | 47.38             | 74.00             | 26.62          | Pass   | H        | Peak   |
| 6     | 17265.0000     | 42.47                         | 11.27                 | -32.89                | 29.89             | 50.74             | 74.00             | 23.26          | Pass   | H        | Peak   |
| 7     | 1397.1397      | 28.30                         | 2.95                  | -37.21                | 53.01             | 47.05             | 74.00             | 26.95          | Pass   | V        | Peak   |
| 8     | 2277.2277      | 32.09                         | 4.14                  | -36.70                | 48.09             | 47.62             | 74.00             | 26.38          | Pass   | V        | Peak   |
| 9     | 2877.5000      | 33.00                         | 4.48                  | -36.75                | 44.91             | 45.64             | 74.00             | 28.36          | Pass   | V        | Peak   |
| 10    | 7111.0741      | 36.21                         | 6.33                  | -36.30                | 42.60             | 48.84             | 74.00             | 25.16          | Pass   | V        | Peak   |
| 11    | 11510.0000     | 38.91                         | 7.91                  | -35.42                | 37.15             | 48.55             | 74.00             | 25.45          | Pass   | V        | Peak   |
| 12    | 17265.0000     | 42.47                         | 11.27                 | -32.89                | 29.95             | 50.80             | 74.00             | 23.20          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5795   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 2298.6799      | 32.12                         | 4.19                  | -36.59                | 46.89             | 46.61             | 74.00             | 27.39          | Pass   | H        | Peak   |
| 2     | 2897.5000      | 33.04                         | 4.47                  | -36.64                | 45.14             | 46.01             | 74.00             | 27.99          | Pass   | H        | Peak   |
| 3     | 5273.3773      | 34.77                         | 6.29                  | -35.95                | 43.34             | 48.45             | 74.00             | 25.55          | Pass   | H        | Peak   |
| 4     | 7735.9491      | 36.51                         | 6.40                  | -36.50                | 43.73             | 50.14             | 74.00             | 23.86          | Pass   | H        | Peak   |
| 5     | 11590.0000     | 38.97                         | 7.73                  | -35.62                | 37.24             | 48.32             | 74.00             | 25.68          | Pass   | H        | Peak   |
| 6     | 17385.0000     | 42.59                         | 10.96                 | -33.74                | 30.86             | 50.67             | 74.00             | 23.33          | Pass   | H        | Peak   |
| 7     | 1195.8196      | 28.10                         | 2.86                  | -37.66                | 54.01             | 47.31             | 74.00             | 26.69          | Pass   | V        | Peak   |
| 8     | 2897.5000      | 33.04                         | 4.47                  | -36.64                | 43.99             | 44.86             | 74.00             | 29.14          | Pass   | V        | Peak   |
| 9     | 4868.5369      | 34.50                         | 6.19                  | -36.09                | 42.75             | 47.35             | 74.00             | 26.65          | Pass   | V        | Peak   |
| 10    | 7603.3069      | 36.56                         | 6.71                  | -37.02                | 43.58             | 49.83             | 74.00             | 24.17          | Pass   | V        | Peak   |
| 11    | 11590.0000     | 38.97                         | 7.73                  | -35.62                | 38.38             | 49.46             | 74.00             | 24.54          | Pass   | V        | Peak   |
| 12    | 17385.0000     | 42.59                         | 10.96                 | -33.74                | 30.00             | 49.81             | 74.00             | 24.19          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5745   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1989.5490      | 31.63                          | 3.65                  | -36.76                | 46.62             | 45.14             | 74.00             | 28.86          | Pass   | H        | Peak   |
| 2     | 2872.5000      | 33.00                          | 4.48                  | -36.78                | 44.82             | 45.52             | 74.00             | 28.48          | Pass   | H        | Peak   |
| 3     | 4577.5578      | 34.50                          | 5.80                  | -36.33                | 42.81             | 46.78             | 74.00             | 27.22          | Pass   | H        | Peak   |
| 4     | 7730.5820      | 36.51                          | 6.40                  | -36.48                | 43.72             | 50.15             | 74.00             | 23.85          | Pass   | H        | Peak   |
| 5     | 11490.0000     | 38.89                          | 7.94                  | -35.44                | 41.34             | 52.73             | 74.00             | 21.27          | Pass   | H        | Peak   |
| 6     | 11490.0000     | 38.89                          | 7.94                  | -35.44                | 32.36             | 43.75             | 54.00             | 10.25          | Pass   | H        | AV     |
| 7     | 17235.0000     | 42.44                          | 11.22                 | -32.70                | 29.74             | 50.70             | 74.00             | 23.30          | Pass   | H        | Peak   |
| 8     | 1397.1397      | 28.30                          | 2.95                  | -37.21                | 53.25             | 47.29             | 74.00             | 26.71          | Pass   | V        | Peak   |
| 9     | 2872.5000      | 33.00                          | 4.48                  | -36.78                | 45.22             | 45.92             | 74.00             | 28.08          | Pass   | V        | Peak   |
| 10    | 4507.7008      | 34.50                          | 5.88                  | -36.24                | 43.30             | 47.44             | 74.00             | 26.56          | Pass   | V        | Peak   |
| 11    | 8427.5285      | 36.57                          | 6.70                  | -36.35                | 43.60             | 50.52             | 74.00             | 23.48          | Pass   | V        | Peak   |
| 12    | 11490.0000     | 38.89                          | 7.94                  | -35.44                | 42.74             | 54.13             | 74.00             | 19.87          | Pass   | V        | Peak   |
| 13    | 11490.0000     | 38.89                          | 7.94                  | -35.44                | 34.25             | 45.64             | 54.00             | 8.36           | Pass   | V        | AV     |
| 14    | 17235.0000     | 42.44                          | 11.22                 | -32.70                | 29.86             | 50.82             | 74.00             | 23.18          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5785   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1948.8449      | 31.36                          | 3.64                  | -36.85                | 47.61             | 45.76             | 74.00             | 28.24          | Pass   | H        | Peak   |
| 2     | 2892.5000      | 33.03                          | 4.47                  | -36.66                | 44.73             | 45.57             | 74.00             | 28.43          | Pass   | H        | Peak   |
| 3     | 4828.3828      | 34.50                          | 6.09                  | -36.11                | 42.96             | 47.44             | 74.00             | 26.56          | Pass   | H        | Peak   |
| 4     | 8418.3279      | 36.57                          | 6.70                  | -36.32                | 43.69             | 50.64             | 74.00             | 23.36          | Pass   | H        | Peak   |
| 5     | 11570.0000     | 38.96                          | 7.70                  | -35.51                | 38.25             | 49.40             | 74.00             | 24.60          | Pass   | H        | Peak   |
| 6     | 17355.0000     | 42.56                          | 11.03                 | -33.38                | 30.27             | 50.48             | 74.00             | 23.52          | Pass   | H        | Peak   |
| 7     | 1195.8196      | 28.10                          | 2.86                  | -37.66                | 52.55             | 45.85             | 74.00             | 28.15          | Pass   | V        | Peak   |
| 8     | 2892.5000      | 33.03                          | 4.47                  | -36.66                | 43.41             | 44.25             | 74.00             | 29.75          | Pass   | V        | Peak   |
| 9     | 4566.0066      | 34.50                          | 5.80                  | -36.31                | 42.09             | 46.08             | 74.00             | 27.92          | Pass   | V        | Peak   |
| 10    | 8895.2263      | 37.47                          | 6.90                  | -36.41                | 41.90             | 49.86             | 74.00             | 24.14          | Pass   | V        | Peak   |
| 11    | 11570.0000     | 38.96                          | 7.70                  | -35.51                | 39.79             | 50.94             | 74.00             | 23.06          | Pass   | V        | Peak   |
| 12    | 17355.0000     | 42.56                          | 11.03                 | -33.38                | 29.04             | 49.25             | 74.00             | 24.75          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5825   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1732.6733      | 29.94                          | 3.29                  | -36.82                | 47.30             | 43.71             | 74.00             | 30.29          | Pass   | H        | Peak   |
| 2     | 2912.5000      | 33.06                          | 4.50                  | -36.67                | 44.76             | 45.65             | 74.00             | 28.35          | Pass   | H        | Peak   |
| 3     | 4553.3553      | 34.50                          | 5.79                  | -36.28                | 43.00             | 47.01             | 74.00             | 26.99          | Pass   | H        | Peak   |
| 4     | 9681.8788      | 37.67                          | 6.79                  | -36.77                | 42.26             | 49.95             | 74.00             | 24.05          | Pass   | H        | Peak   |
| 5     | 11650.0000     | 39.02                          | 7.54                  | -35.87                | 40.15             | 50.84             | 74.00             | 23.16          | Pass   | H        | Peak   |
| 6     | 17475.0000     | 42.68                          | 11.90                 | -34.14                | 30.35             | 50.79             | 74.00             | 23.21          | Pass   | H        | Peak   |
| 7     | 2108.9109      | 31.85                          | 3.67                  | -36.59                | 48.51             | 47.44             | 74.00             | 26.56          | Pass   | V        | Peak   |
| 8     | 2912.5000      | 33.06                          | 4.50                  | -36.67                | 43.03             | 43.92             | 74.00             | 30.08          | Pass   | V        | Peak   |
| 9     | 4881.1881      | 34.50                          | 6.09                  | -36.10                | 42.22             | 46.71             | 74.00             | 27.29          | Pass   | V        | Peak   |
| 10    | 8049.5366      | 36.42                          | 6.57                  | -36.49                | 43.11             | 49.61             | 74.00             | 24.39          | Pass   | V        | Peak   |
| 11    | 11650.0000     | 39.02                          | 7.54                  | -35.87                | 38.95             | 49.64             | 74.00             | 24.36          | Pass   | V        | Peak   |
| 12    | 17475.0000     | 42.68                          | 11.90                 | -34.14                | 30.50             | 50.94             | 74.00             | 23.06          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5755   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1196.9197      | 28.10                          | 2.86                  | -37.65                | 50.69             | 44.00             | 74.00             | 30.00          | Pass   | H        | Peak   |
| 2     | 2877.5000      | 33.00                          | 4.48                  | -36.75                | 43.84             | 44.57             | 74.00             | 29.43          | Pass   | H        | Peak   |
| 3     | 4830.5831      | 34.50                          | 6.11                  | -36.10                | 42.42             | 46.93             | 74.00             | 27.07          | Pass   | H        | Peak   |
| 4     | 9060.0707      | 37.69                          | 6.73                  | -36.52                | 42.13             | 50.03             | 74.00             | 23.97          | Pass   | H        | Peak   |
| 5     | 11510.0000     | 38.91                          | 7.91                  | -35.42                | 36.88             | 48.28             | 74.00             | 25.72          | Pass   | H        | Peak   |
| 6     | 17265.0000     | 42.47                          | 11.27                 | -32.89                | 29.76             | 50.61             | 74.00             | 23.39          | Pass   | H        | Peak   |
| 7     | 1398.7899      | 28.30                          | 2.95                  | -37.20                | 51.72             | 45.77             | 74.00             | 28.23          | Pass   | V        | Peak   |
| 8     | 2253.0253      | 32.05                          | 4.08                  | -36.82                | 46.97             | 46.28             | 74.00             | 27.72          | Pass   | V        | Peak   |
| 9     | 2877.5000      | 33.00                          | 4.48                  | -36.75                | 43.25             | 43.98             | 74.00             | 30.02          | Pass   | V        | Peak   |
| 10    | 8290.2860      | 36.52                          | 6.48                  | -36.59                | 43.16             | 49.57             | 74.00             | 24.43          | Pass   | V        | Peak   |
| 11    | 11510.0000     | 38.91                          | 7.91                  | -35.42                | 39.40             | 50.80             | 74.00             | 23.20          | Pass   | V        | Peak   |
| 12    | 17265.0000     | 42.47                          | 11.27                 | -32.89                | 29.46             | 50.31             | 74.00             | 23.69          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5795   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1967.5468      | 31.49                          | 3.64                  | -36.81                | 46.81             | 45.13             | 74.00             | 28.87          | Pass   | H        | Peak   |
| 2     | 2897.5000      | 33.04                          | 4.47                  | -36.64                | 43.25             | 44.12             | 74.00             | 29.88          | Pass   | H        | Peak   |
| 3     | 4422.4422      | 34.39                          | 5.60                  | -36.15                | 43.28             | 47.12             | 74.00             | 26.88          | Pass   | H        | Peak   |
| 4     | 8416.7945      | 36.57                          | 6.70                  | -36.32                | 43.69             | 50.64             | 74.00             | 23.36          | Pass   | H        | Peak   |
| 5     | 11590.0000     | 38.97                          | 7.73                  | -35.62                | 36.64             | 47.72             | 74.00             | 26.28          | Pass   | H        | Peak   |
| 6     | 17385.0000     | 42.59                          | 10.96                 | -33.74                | 31.07             | 50.88             | 74.00             | 23.12          | Pass   | H        | Peak   |
| 7     | 1195.8196      | 28.10                          | 2.86                  | -37.66                | 53.31             | 46.61             | 74.00             | 27.39          | Pass   | V        | Peak   |
| 8     | 2897.5000      | 33.04                          | 4.47                  | -36.64                | 45.34             | 46.21             | 74.00             | 27.79          | Pass   | V        | Peak   |
| 9     | 5087.4587      | 34.59                          | 5.97                  | -36.21                | 44.00             | 48.35             | 74.00             | 25.65          | Pass   | V        | Peak   |
| 10    | 7737.4825      | 36.51                          | 6.40                  | -36.50                | 43.29             | 49.70             | 74.00             | 24.30          | Pass   | V        | Peak   |
| 11    | 11590.0000     | 38.97                          | 7.73                  | -35.62                | 38.32             | 49.40             | 74.00             | 24.60          | Pass   | V        | Peak   |
| 12    | 17385.0000     | 42.59                          | 10.96                 | -33.74                | 31.04             | 50.85             | 74.00             | 23.15          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT80)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5775   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1948.8449      | 31.36                          | 3.64                  | -36.85                | 47.18             | 45.33             | 74.00             | 28.67          | Pass   | H        | Peak   |
| 2     | 2887.5000      | 33.02                          | 4.47                  | -36.69                | 43.45             | 44.25             | 74.00             | 29.75          | Pass   | H        | Peak   |
| 3     | 4291.5292      | 34.21                          | 5.50                  | -36.16                | 43.28             | 46.83             | 74.00             | 27.17          | Pass   | H        | Peak   |
| 4     | 8403.7603      | 36.56                          | 6.70                  | -36.27                | 43.12             | 50.11             | 74.00             | 23.89          | Pass   | H        | Peak   |
| 5     | 11550.0000     | 38.94                          | 7.67                  | -35.39                | 37.12             | 48.34             | 74.00             | 25.66          | Pass   | H        | Peak   |
| 6     | 17325.0000     | 42.53                          | 11.24                 | -33.49                | 30.44             | 50.72             | 74.00             | 23.28          | Pass   | H        | Peak   |
| 7     | 1397.6898      | 28.30                          | 2.95                  | -37.21                | 52.46             | 46.50             | 74.00             | 27.50          | Pass   | V        | Peak   |
| 8     | 2887.5000      | 33.02                          | 4.47                  | -36.69                | 43.88             | 44.68             | 74.00             | 29.32          | Pass   | V        | Peak   |
| 9     | 5045.6546      | 34.55                          | 5.94                  | -36.04                | 43.18             | 47.63             | 74.00             | 26.37          | Pass   | V        | Peak   |
| 10    | 8420.6280      | 36.57                          | 6.70                  | -36.33                | 44.04             | 50.98             | 74.00             | 23.02          | Pass   | V        | Peak   |
| 11    | 11550.0000     | 38.94                          | 7.67                  | -35.39                | 38.98             | 50.20             | 74.00             | 23.80          | Pass   | V        | Peak   |
| 12    | 17325.0000     | 42.53                          | 11.24                 | -33.49                | 29.65             | 49.93             | 74.00             | 24.07          | Pass   | V        | Peak   |

**Transmitter Emission 18GHz-40GHz**

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5745   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 18795.3398     | 38.60                         | 0.00                  | -63.50                | 73.58             | 48.68             | 74.00             | 25.32          | Pass   | H        | Peak   |
| 2     | 22980.0000     | 38.83                         | 0.00                  | -62.51                | 68.00             | 44.32             | 74.00             | 29.68          | Pass   | H        | Peak   |
| 3     | 25963.2982     | 40.41                         | 0.00                  | -58.92                | 68.21             | 49.70             | 74.00             | 24.30          | Pass   | H        | Peak   |
| 4     | 28725.0000     | 40.11                         | 0.00                  | -60.73                | 67.11             | 46.49             | 74.00             | 27.51          | Pass   | H        | Peak   |
| 5     | 31689.0845     | 41.79                         | 0.00                  | -58.98                | 68.07             | 50.88             | 74.00             | 23.12          | Pass   | H        | Peak   |
| 6     | 34470.0000     | 42.61                         | 0.00                  | -58.17                | 65.02             | 49.46             | 74.00             | 24.54          | Pass   | H        | Peak   |
| 7     | 20806.2403     | 38.69                         | 0.00                  | -63.05                | 72.43             | 48.07             | 74.00             | 25.93          | Pass   | V        | Peak   |
| 8     | 22980.0000     | 38.83                         | 0.00                  | -62.51                | 67.62             | 43.94             | 74.00             | 30.06          | Pass   | V        | Peak   |
| 9     | 25120.6560     | 40.67                         | 0.00                  | -59.73                | 69.14             | 50.08             | 74.00             | 23.92          | Pass   | V        | Peak   |
| 10    | 28725.0000     | 40.11                         | 0.00                  | -60.73                | 66.27             | 45.65             | 74.00             | 28.35          | Pass   | V        | Peak   |
| 11    | 30452.6226     | 41.04                         | 0.00                  | -59.75                | 69.10             | 50.39             | 74.00             | 23.61          | Pass   | V        | Peak   |
| 12    | 34470.0000     | 42.61                         | 0.00                  | -58.17                | 66.12             | 50.56             | 74.00             | 23.44          | Pass   | V        | Peak   |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5785   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 19145.1573     | 38.96                         | 0.00                  | -63.34                | 72.22             | 47.84             | 74.00             | 26.16          | Pass   | H        | Peak   |
| 2     | 23140.0000     | 39.03                         | 0.00                  | -62.52                | 68.56             | 45.07             | 74.00             | 28.93          | Pass   | H        | Peak   |
| 3     | 24339.6170     | 40.35                         | 0.00                  | -60.50                | 69.70             | 49.55             | 74.00             | 24.45          | Pass   | H        | Peak   |
| 4     | 27737.6869     | 39.81                         | 0.00                  | -60.07                | 70.29             | 50.03             | 74.00             | 23.97          | Pass   | H        | Peak   |
| 5     | 28925.0000     | 40.25                         | 0.00                  | -60.50                | 66.59             | 46.34             | 74.00             | 27.66          | Pass   | H        | Peak   |
| 6     | 34710.0000     | 42.80                         | 0.00                  | -58.08                | 65.07             | 49.79             | 74.00             | 24.21          | Pass   | H        | Peak   |
| 7     | 21010.8505     | 38.62                         | 0.00                  | -63.09                | 72.13             | 47.66             | 74.00             | 26.34          | Pass   | H        | Peak   |
| 8     | 23140.0000     | 39.03                         | 0.00                  | -62.52                | 68.09             | 44.60             | 74.00             | 29.40          | Pass   | V        | Peak   |
| 9     | 25563.9782     | 40.54                         | 0.00                  | -59.36                | 68.13             | 49.31             | 74.00             | 24.69          | Pass   | V        | Peak   |
| 10    | 28925.0000     | 40.25                         | 0.00                  | -60.50                | 66.61             | 46.36             | 74.00             | 27.64          | Pass   | V        | Peak   |
| 11    | 30290.9145     | 40.98                         | 0.00                  | -60.25                | 69.43             | 50.16             | 74.00             | 23.84          | Pass   | V        | Peak   |
| 12    | 34710.0000     | 42.80                         | 0.00                  | -58.08                | 65.35             | 50.07             | 74.00             | 23.93          | Pass   | V        | Peak   |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5825   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20317.8159     | 38.86                         | 0.00                  | -62.89                | 70.95             | 46.92             | 74.00             | 27.08          | Pass   | H        | Peak   |
| 2     | 23300.0000     | 39.24                         | 0.00                  | -62.24                | 67.30             | 44.30             | 74.00             | 29.70          | Pass   | H        | Peak   |
| 3     | 25139.3570     | 40.67                         | 0.00                  | -59.68                | 68.42             | 49.41             | 74.00             | 24.59          | Pass   | H        | Peak   |
| 4     | 29125.0000     | 40.37                         | 0.00                  | -60.60                | 66.78             | 46.55             | 74.00             | 27.45          | Pass   | H        | Peak   |
| 5     | 30942.1471     | 41.26                         | 0.00                  | -58.73                | 67.46             | 49.99             | 74.00             | 24.01          | Pass   | H        | Peak   |
| 6     | 34950.0000     | 43.00                         | 0.00                  | -57.64                | 65.25             | 50.61             | 74.00             | 23.39          | Pass   | H        | Peak   |
| 7     | 19094.5547     | 38.96                         | 0.00                  | -63.38                | 72.85             | 48.43             | 74.00             | 25.57          | Pass   | V        | Peak   |
| 8     | 23300.0000     | 39.24                         | 0.00                  | -62.24                | 69.30             | 46.30             | 74.00             | 27.70          | Pass   | V        | Peak   |
| 9     | 25683.8842     | 40.50                         | 0.00                  | -59.29                | 68.74             | 49.95             | 74.00             | 24.05          | Pass   | V        | Peak   |
| 10    | 29125.0000     | 40.37                         | 0.00                  | -60.60                | 66.67             | 46.44             | 74.00             | 27.56          | Pass   | V        | Peak   |
| 11    | 31748.4874     | 41.83                         | 0.00                  | -59.05                | 67.39             | 50.17             | 74.00             | 23.83          | Pass   | V        | Peak   |
| 12    | 34950.0000     | 43.00                         | 0.00                  | -57.64                | 64.62             | 49.98             | 74.00             | 24.02          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5745   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 19844.7922     | 38.97                         | 0.00                  | -62.66                | 71.91             | 48.22             | 74.00             | 25.78          | Pass   | H        | Peak   |
| 2     | 22980.0000     | 38.83                         | 0.00                  | -62.51                | 68.24             | 44.56             | 74.00             | 29.44          | Pass   | H        | Peak   |
| 3     | 25910.4955     | 40.43                         | 0.00                  | -59.07                | 68.71             | 50.07             | 74.00             | 23.93          | Pass   | H        | Peak   |
| 4     | 28725.0000     | 40.11                         | 0.00                  | -60.73                | 66.53             | 45.91             | 74.00             | 28.09          | Pass   | H        | Peak   |
| 5     | 31288.6644     | 41.49                         | 0.00                  | -59.16                | 67.73             | 50.06             | 74.00             | 23.94          | Pass   | H        | Peak   |
| 6     | 34470.0000     | 42.61                         | 0.00                  | -58.17                | 64.05             | 48.49             | 74.00             | 25.51          | Pass   | H        | Peak   |
| 7     | 19843.6922     | 38.97                         | 0.00                  | -62.66                | 71.51             | 47.82             | 74.00             | 26.18          | Pass   | V        | Peak   |
| 8     | 22980.0000     | 38.83                         | 0.00                  | -62.51                | 67.61             | 43.93             | 74.00             | 30.07          | Pass   | V        | Peak   |
| 9     | 26330.7165     | 40.39                         | 0.00                  | -59.88                | 68.89             | 49.40             | 74.00             | 24.60          | Pass   | V        | Peak   |
| 10    | 28725.0000     | 40.11                         | 0.00                  | -60.73                | 67.06             | 46.44             | 74.00             | 27.56          | Pass   | V        | Peak   |
| 11    | 31509.7755     | 41.66                         | 0.00                  | -58.92                | 67.49             | 50.23             | 74.00             | 23.77          | Pass   | V        | Peak   |
| 12    | 34470.0000     | 42.61                         | 0.00                  | -58.17                | 64.15             | 48.59             | 74.00             | 25.41          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5785   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 19734.7867     | 38.97                         | 0.00                  | -62.70                | 71.53             | 47.80             | 74.00             | 26.20          | Pass   | H        | Peak   |
| 2     | 23140.0000     | 39.03                         | 0.00                  | -62.52                | 68.12             | 44.63             | 74.00             | 29.37          | Pass   | H        | Peak   |
| 3     | 26667.3334     | 40.39                         | 0.00                  | -59.96                | 69.23             | 49.66             | 74.00             | 24.34          | Pass   | H        | Peak   |
| 4     | 28925.0000     | 40.25                         | 0.00                  | -60.50                | 66.44             | 46.19             | 74.00             | 27.81          | Pass   | H        | Peak   |
| 5     | 30888.2444     | 41.23                         | 0.00                  | -58.81                | 67.70             | 50.12             | 74.00             | 23.88          | Pass   | H        | Peak   |
| 6     | 34710.0000     | 42.80                         | 0.00                  | -58.08                | 64.36             | 49.08             | 74.00             | 24.92          | Pass   | H        | Peak   |
| 7     | 19234.2617     | 38.96                         | 0.00                  | -63.23                | 72.24             | 47.97             | 74.00             | 26.03          | Pass   | V        | Peak   |
| 8     | 23140.0000     | 39.03                         | 0.00                  | -62.52                | 68.75             | 45.26             | 74.00             | 28.74          | Pass   | V        | Peak   |
| 9     | 25952.2976     | 40.41                         | 0.00                  | -58.95                | 68.53             | 49.99             | 74.00             | 24.01          | Pass   | V        | Peak   |
| 10    | 28925.0000     | 40.25                         | 0.00                  | -60.50                | 66.31             | 46.06             | 74.00             | 27.94          | Pass   | V        | Peak   |
| 11    | 30782.6391     | 41.19                         | 0.00                  | -59.04                | 68.12             | 50.27             | 74.00             | 23.73          | Pass   | V        | Peak   |
| 12    | 34710.0000     | 42.80                         | 0.00                  | -58.08                | 65.58             | 50.30             | 74.00             | 23.70          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5825   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 19441.0721     | 38.96                         | 0.00                  | -62.90                | 72.45             | 48.51             | 74.00             | 25.49          | Pass   | H        | Peak   |
| 2     | 23300.0000     | 39.24                         | 0.00                  | -62.24                | 68.36             | 45.36             | 74.00             | 28.64          | Pass   | H        | Peak   |
| 3     | 27776.1888     | 39.78                         | 0.00                  | -59.98                | 69.09             | 48.89             | 74.00             | 25.11          | Pass   | H        | Peak   |
| 4     | 29125.0000     | 40.37                         | 0.00                  | -60.60                | 66.87             | 46.64             | 74.00             | 27.36          | Pass   | H        | Peak   |
| 5     | 31658.2829     | 41.77                         | 0.00                  | -58.95                | 67.69             | 50.51             | 74.00             | 23.49          | Pass   | H        | Peak   |
| 6     | 34950.0000     | 43.00                         | 0.00                  | -57.64                | 65.43             | 50.79             | 74.00             | 23.21          | Pass   | H        | Peak   |
| 7     | 21206.6603     | 38.56                         | 0.00                  | -63.20                | 73.17             | 48.53             | 74.00             | 25.47          | Pass   | V        | Peak   |
| 8     | 23300.0000     | 39.24                         | 0.00                  | -62.24                | 67.88             | 44.88             | 74.00             | 29.12          | Pass   | V        | Peak   |
| 9     | 26649.7325     | 40.39                         | 0.00                  | -59.92                | 68.77             | 49.24             | 74.00             | 24.76          | Pass   | V        | Peak   |
| 10    | 29125.0000     | 40.37                         | 0.00                  | -60.60                | 66.68             | 46.45             | 74.00             | 27.55          | Pass   | V        | Peak   |
| 11    | 31708.8854     | 41.80                         | 0.00                  | -59.00                | 67.58             | 50.38             | 74.00             | 23.62          | Pass   | V        | Peak   |
| 12    | 34950.0000     | 43.00                         | 0.00                  | -57.64                | 64.84             | 50.20             | 74.00             | 23.80          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5755   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 20410.2205     | 38.83                         | 0.00                  | -62.91                | 71.66             | 47.58             | 74.00             | 26.42          | Pass   | H        | Peak   |
| 2     | 23020.0000     | 38.87                         | 0.00                  | -62.46                | 68.18             | 44.59             | 74.00             | 29.41          | Pass   | H        | Peak   |
| 3     | 26115.1058     | 40.40                         | 0.00                  | -59.50                | 69.04             | 49.94             | 74.00             | 24.06          | Pass   | H        | Peak   |
| 4     | 28775.0000     | 40.14                         | 0.00                  | -60.63                | 67.14             | 46.65             | 74.00             | 27.35          | Pass   | H        | Peak   |
| 5     | 31333.7667     | 41.53                         | 0.00                  | -59.09                | 67.90             | 50.34             | 74.00             | 23.66          | Pass   | H        | Peak   |
| 6     | 34530.0000     | 42.66                         | 0.00                  | -57.94                | 64.44             | 49.16             | 74.00             | 24.84          | Pass   | H        | Peak   |
| 7     | 19138.5569     | 38.96                         | 0.00                  | -63.35                | 72.21             | 47.82             | 74.00             | 26.18          | Pass   | V        | Peak   |
| 8     | 23020.0000     | 38.87                         | 0.00                  | -62.46                | 67.54             | 43.95             | 74.00             | 30.05          | Pass   | V        | Peak   |
| 9     | 25972.0986     | 40.41                         | 0.00                  | -58.90                | 68.22             | 49.73             | 74.00             | 24.27          | Pass   | V        | Peak   |
| 10    | 28775.0000     | 40.14                         | 0.00                  | -60.63                | 68.37             | 47.88             | 74.00             | 26.12          | Pass   | V        | Peak   |
| 11    | 31955.2978     | 41.99                         | 0.00                  | -58.90                | 67.09             | 50.18             | 74.00             | 23.82          | Pass   | V        | Peak   |
| 12    | 34530.0000     | 42.66                         | 0.00                  | -57.94                | 63.73             | 48.45             | 74.00             | 25.55          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5795   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 19129.7565     | 38.96                         | 0.00                  | -63.35                | 71.95             | 47.56             | 74.00             | 26.44          | Pass   | H        | Peak   |
| 2     | 23180.0000     | 39.08                         | 0.00                  | -62.54                | 68.37             | 44.91             | 74.00             | 29.09          | Pass   | H        | Peak   |
| 3     | 26914.8457     | 40.38                         | 0.00                  | -60.15                | 68.70             | 48.93             | 74.00             | 25.07          | Pass   | H        | Peak   |
| 4     | 28975.0000     | 40.28                         | 0.00                  | -60.46                | 66.40             | 46.22             | 74.00             | 27.78          | Pass   | H        | Peak   |
| 5     | 30657.2329     | 41.13                         | 0.00                  | -59.65                | 68.39             | 49.87             | 74.00             | 24.13          | Pass   | H        | Peak   |
| 6     | 34770.0000     | 42.85                         | 0.00                  | -58.31                | 64.47             | 49.01             | 74.00             | 24.99          | Pass   | H        | Peak   |
| 7     | 19039.5520     | 38.96                         | 0.00                  | -63.43                | 72.34             | 47.87             | 74.00             | 26.13          | Pass   | V        | Peak   |
| 8     | 23180.0000     | 39.08                         | 0.00                  | -62.54                | 68.28             | 44.82             | 74.00             | 29.18          | Pass   | V        | Peak   |
| 9     | 26059.0030     | 40.40                         | 0.00                  | -59.17                | 68.52             | 49.75             | 74.00             | 24.25          | Pass   | V        | Peak   |
| 10    | 28975.0000     | 40.28                         | 0.00                  | -60.46                | 66.66             | 46.48             | 74.00             | 27.52          | Pass   | V        | Peak   |
| 11    | 30880.5440     | 41.23                         | 0.00                  | -58.83                | 67.90             | 50.30             | 74.00             | 23.70          | Pass   | V        | Peak   |
| 12    | 34770.0000     | 42.85                         | 0.00                  | -58.31                | 65.01             | 49.55             | 74.00             | 24.45          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |               | 5745   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|---------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Magin<br>[dB] | Result | Polarity | Remark |
| 1     | 19394.8697     | 38.96                          | 0.00                  | -62.91                | 71.76             | 47.81             | 74.00             | 26.19         | Pass   | H        | Peak   |
| 2     | 22980.0000     | 38.83                          | 0.00                  | -62.51                | 68.09             | 44.41             | 74.00             | 29.59         | Pass   | H        | Peak   |
| 3     | 25794.9897     | 40.46                          | 0.00                  | -59.37                | 68.97             | 50.06             | 74.00             | 23.94         | Pass   | H        | Peak   |
| 4     | 28725.0000     | 40.11                          | 0.00                  | -60.73                | 66.20             | 45.58             | 74.00             | 28.42         | Pass   | H        | Peak   |
| 5     | 31458.0729     | 41.62                          | 0.00                  | -58.95                | 67.67             | 50.34             | 74.00             | 23.66         | Pass   | H        | Peak   |
| 6     | 34470.0000     | 42.61                          | 0.00                  | -58.17                | 64.42             | 48.86             | 74.00             | 25.14         | Pass   | H        | Peak   |
| 7     | 18548.9274     | 38.16                          | 0.00                  | -63.89                | 73.97             | 48.24             | 74.00             | 25.76         | Pass   | V        | Peak   |
| 8     | 22980.0000     | 38.83                          | 0.00                  | -62.51                | 67.85             | 44.17             | 74.00             | 29.83         | Pass   | V        | Peak   |
| 9     | 25199.8600     | 40.65                          | 0.00                  | -59.48                | 68.38             | 49.55             | 74.00             | 24.45         | Pass   | V        | Peak   |
| 10    | 28725.0000     | 40.11                          | 0.00                  | -60.73                | 66.34             | 45.72             | 74.00             | 28.28         | Pass   | V        | Peak   |
| 11    | 30913.5457     | 41.24                          | 0.00                  | -58.77                | 67.94             | 50.41             | 74.00             | 23.59         | Pass   | V        | Peak   |
| 12    | 34470.0000     | 42.61                          | 0.00                  | -58.17                | 65.09             | 49.53             | 74.00             | 24.47         | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |               | 5785   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|---------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Magin<br>[dB] | Result | Polarity | Remark |
| 1     | 19114.3557     | 38.96                          | 0.00                  | -63.37                | 72.27             | 47.86             | 74.00             | 26.14         | Pass   | H        | Peak   |
| 2     | 23140.0000     | 39.03                          | 0.00                  | -62.52                | 67.78             | 44.29             | 74.00             | 29.71         | Pass   | H        | Peak   |
| 3     | 25721.2861     | 40.49                          | 0.00                  | -59.32                | 68.33             | 49.50             | 74.00             | 24.50         | Pass   | H        | Peak   |
| 4     | 28925.0000     | 40.25                          | 0.00                  | -60.50                | 66.55             | 46.30             | 74.00             | 27.70         | Pass   | H        | Peak   |
| 5     | 30546.1273     | 41.08                          | 0.00                  | -59.86                | 68.80             | 50.02             | 74.00             | 23.98         | Pass   | H        | Peak   |
| 6     | 34710.0000     | 42.80                          | 0.00                  | -58.08                | 64.19             | 48.91             | 74.00             | 25.09         | Pass   | H        | Peak   |
| 7     | 19524.6762     | 38.97                          | 0.00                  | -62.91                | 71.83             | 47.89             | 74.00             | 26.11         | Pass   | V        | Peak   |
| 8     | 23140.0000     | 39.03                          | 0.00                  | -62.52                | 69.21             | 45.72             | 74.00             | 28.28         | Pass   | V        | Peak   |
| 9     | 25887.3944     | 40.43                          | 0.00                  | -59.13                | 68.88             | 50.18             | 74.00             | 23.82         | Pass   | V        | Peak   |
| 10    | 28925.0000     | 40.25                          | 0.00                  | -60.50                | 66.74             | 46.49             | 74.00             | 27.51         | Pass   | V        | Peak   |
| 11    | 31673.6837     | 41.78                          | 0.00                  | -58.96                | 67.74             | 50.56             | 74.00             | 23.44         | Pass   | V        | Peak   |
| 12    | 34710.0000     | 42.80                          | 0.00                  | -58.08                | 65.90             | 50.62             | 74.00             | 23.38         | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5825   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 19523.5762     | 38.97                          | 0.00                  | -62.91                | 71.73             | 47.79             | 74.00             | 26.21          | Pass   | H        | Peak   |
| 2     | 23300.0000     | 39.24                          | 0.00                  | -62.24                | 68.87             | 45.87             | 74.00             | 28.13          | Pass   | H        | Peak   |
| 3     | 25870.8935     | 40.44                          | 0.00                  | -59.18                | 68.57             | 49.83             | 74.00             | 24.17          | Pass   | H        | Peak   |
| 4     | 29125.0000     | 40.37                          | 0.00                  | -60.60                | 67.33             | 47.10             | 74.00             | 26.90          | Pass   | H        | Peak   |
| 5     | 32089.5045     | 42.03                          | 0.00                  | -58.75                | 67.39             | 50.67             | 74.00             | 23.33          | Pass   | H        | Peak   |
| 6     | 34950.0000     | 43.00                          | 0.00                  | -57.64                | 65.20             | 50.56             | 74.00             | 23.44          | Pass   | H        | Peak   |
| 7     | 19824.9913     | 38.97                          | 0.00                  | -62.63                | 71.42             | 47.76             | 74.00             | 26.24          | Pass   | V        | Peak   |
| 8     | 23300.0000     | 39.24                          | 0.00                  | -62.24                | 68.02             | 45.02             | 74.00             | 28.98          | Pass   | V        | Peak   |
| 9     | 25244.9622     | 40.63                          | 0.00                  | -59.57                | 68.30             | 49.36             | 74.00             | 24.64          | Pass   | V        | Peak   |
| 10    | 29125.0000     | 40.37                          | 0.00                  | -60.60                | 68.39             | 48.16             | 74.00             | 25.84          | Pass   | V        | Peak   |
| 11    | 31570.2785     | 41.70                          | 0.00                  | -58.88                | 67.35             | 50.17             | 74.00             | 23.83          | Pass   | V        | Peak   |
| 12    | 34950.0000     | 43.00                          | 0.00                  | -57.64                | 64.35             | 49.71             | 74.00             | 24.29          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5755   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 18783.2392     | 38.58                          | 0.00                  | -63.53                | 73.80             | 48.85             | 74.00             | 25.15          | Pass   | H        | Peak   |
| 2     | 23020.0000     | 38.87                          | 0.00                  | -62.46                | 68.74             | 45.15             | 74.00             | 28.85          | Pass   | H        | Peak   |
| 3     | 25560.6780     | 40.54                          | 0.00                  | -59.37                | 68.24             | 49.41             | 74.00             | 24.59          | Pass   | H        | Peak   |
| 4     | 28775.0000     | 40.14                          | 0.00                  | -60.63                | 66.91             | 46.42             | 74.00             | 27.58          | Pass   | H        | Peak   |
| 5     | 31712.1856     | 41.81                          | 0.00                  | -59.01                | 67.37             | 50.17             | 74.00             | 23.83          | Pass   | H        | Peak   |
| 6     | 34530.0000     | 42.66                          | 0.00                  | -57.94                | 64.35             | 49.07             | 74.00             | 24.93          | Pass   | H        | Peak   |
| 7     | 18753.5377     | 38.52                          | 0.00                  | -63.58                | 73.01             | 47.95             | 74.00             | 26.05          | Pass   | V        | Peak   |
| 8     | 23020.0000     | 38.87                          | 0.00                  | -62.46                | 68.02             | 44.43             | 74.00             | 29.57          | Pass   | V        | Peak   |
| 9     | 25502.3751     | 40.55                          | 0.00                  | -59.56                | 69.16             | 50.15             | 74.00             | 23.85          | Pass   | V        | Peak   |
| 10    | 28775.0000     | 40.14                          | 0.00                  | -60.63                | 68.37             | 47.88             | 74.00             | 26.12          | Pass   | V        | Peak   |
| 11    | 31835.3918     | 41.90                          | 0.00                  | -59.07                | 67.70             | 50.53             | 74.00             | 23.47          | Pass   | V        | Peak   |
| 12    | 34530.0000     | 42.66                          | 0.00                  | -57.94                | 64.54             | 49.26             | 74.00             | 24.74          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5795   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 19800.7900     | 38.97                          | 0.00                  | -62.59                | 71.71             | 48.09             | 74.00             | 25.91          | Pass   | H        | Peak   |
| 2     | 23180.0000     | 39.08                          | 0.00                  | -62.54                | 68.96             | 45.50             | 74.00             | 28.50          | Pass   | H        | Peak   |
| 3     | 26540.8270     | 40.39                          | 0.00                  | -59.81                | 68.45             | 49.03             | 74.00             | 24.97          | Pass   | H        | Peak   |
| 4     | 28975.0000     | 40.28                          | 0.00                  | -60.46                | 67.35             | 47.17             | 74.00             | 26.83          | Pass   | H        | Peak   |
| 5     | 31745.1873     | 41.83                          | 0.00                  | -59.05                | 67.78             | 50.56             | 74.00             | 23.44          | Pass   | H        | Peak   |
| 6     | 34770.0000     | 42.85                          | 0.00                  | -58.31                | 64.98             | 49.52             | 74.00             | 24.48          | Pass   | H        | Peak   |
| 7     | 19795.2898     | 38.97                          | 0.00                  | -62.60                | 71.15             | 47.52             | 74.00             | 26.48          | Pass   | V        | Peak   |
| 8     | 23180.0000     | 39.08                          | 0.00                  | -62.54                | 67.87             | 44.41             | 74.00             | 29.59          | Pass   | V        | Peak   |
| 9     | 25942.3971     | 40.42                          | 0.00                  | -58.98                | 69.09             | 50.53             | 74.00             | 23.47          | Pass   | V        | Peak   |
| 10    | 28975.0000     | 40.28                          | 0.00                  | -60.46                | 67.01             | 46.83             | 74.00             | 27.17          | Pass   | V        | Peak   |
| 11    | 31855.1928     | 41.91                          | 0.00                  | -59.04                | 67.63             | 50.50             | 74.00             | 23.50          | Pass   | V        | Peak   |
| 12    | 34770.0000     | 42.85                          | 0.00                  | -58.31                | 64.26             | 48.80             | 74.00             | 25.20          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT80)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5775   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 19496.0748     | 38.96                          | 0.00                  | -62.90                | 71.82             | 47.88             | 74.00             | 26.12          | Pass   | H        | Peak   |
| 2     | 23100.0000     | 38.97                          | 0.00                  | -62.50                | 68.27             | 44.74             | 74.00             | 29.26          | Pass   | H        | Peak   |
| 3     | 26947.8474     | 40.38                          | 0.00                  | -60.11                | 69.12             | 49.39             | 74.00             | 24.61          | Pass   | H        | Peak   |
| 4     | 28875.0000     | 40.21                          | 0.00                  | -60.53                | 67.34             | 47.02             | 74.00             | 26.98          | Pass   | H        | Peak   |
| 5     | 31942.0971     | 41.98                          | 0.00                  | -58.92                | 67.25             | 50.31             | 74.00             | 23.69          | Pass   | H        | Peak   |
| 6     | 34650.0000     | 42.75                          | 0.00                  | -57.86                | 64.00             | 48.89             | 74.00             | 25.11          | Pass   | H        | Peak   |
| 7     | 19719.3860     | 38.97                          | 0.00                  | -62.72                | 71.85             | 48.10             | 74.00             | 25.90          | Pass   | V        | Peak   |
| 8     | 23100.0000     | 38.97                          | 0.00                  | -62.50                | 67.73             | 44.20             | 74.00             | 29.80          | Pass   | V        | Peak   |
| 9     | 25921.4961     | 40.42                          | 0.00                  | -59.04                | 68.82             | 50.20             | 74.00             | 23.80          | Pass   | V        | Peak   |
| 10    | 28875.0000     | 40.21                          | 0.00                  | -60.53                | 66.46             | 46.14             | 74.00             | 27.86          | Pass   | V        | Peak   |
| 11    | 31949.7975     | 41.98                          | 0.00                  | -58.90                | 67.51             | 50.59             | 74.00             | 23.41          | Pass   | V        | Peak   |
| 12    | 34650.0000     | 42.75                          | 0.00                  | -57.86                | 65.34             | 50.23             | 74.00             | 23.77          | Pass   | V        | Peak   |

Note:

1) Through Pre-scan transmitting mode with all kind of modulation and data rate, find the MCS0 is the worst case of 802.11a; MCS0 is the worst case of 802.11n(20M)(40M); MCS0 is the worst case of 802.11ac(20M)(40M)(80M); and then Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

3) Scan from 9kHz to 40GHz, the disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

4) All modes and antenna are tested, and found the antenna 1 which is worst case for 802.11a/n(20M)(40M)/ac(20M)(40M)(80M),so only the worst case mode is recorded in the report.

## Appendix K): Unwanted Emissions that fall Outside of the Restricted Bands

|                                                                                                                                                                                                                                                                    |                                      |                    |      |                   |                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------|------|-------------------|---------------------------|
| Receiver Setup:                                                                                                                                                                                                                                                    |                                      |                    |      |                   |                           |
|                                                                                                                                                                                                                                                                    | Frequency                            | Detector           | RBW  | VBW               | Remark                    |
|                                                                                                                                                                                                                                                                    | Above 1GHz                           | Peak               | 1MHz | 3MHz              | Peak                      |
| Test Procedure:                                                                                                                                                                                                                                                    |                                      |                    |      |                   |                           |
| a) The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.                                                          |                                      |                    |      |                   |                           |
| 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.                                                                                                                          |                                      |                    |      |                   |                           |
| 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.                                    |                                      |                    |      |                   |                           |
| 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.                            |                                      |                    |      |                   |                           |
| e) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.                                                                                                                                                        |                                      |                    |      |                   |                           |
| f) Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel |                                      |                    |      |                   |                           |
| j) Test the EUT in the lowest channel or/and the middle channel ,the Highest channel                                                                                                                                                                               |                                      |                    |      |                   |                           |
| h) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.                                                                                                            |                                      |                    |      |                   |                           |
| i) Repeat above procedures until all frequencies measured was complete.                                                                                                                                                                                            |                                      |                    |      |                   |                           |
| Limit:                                                                                                                                                                                                                                                             | Transmitter Operation Frequency(MHz) | Limit (EIRP)       |      | Limit (dBμV/m)@3m | Measurement distance (cm) |
|                                                                                                                                                                                                                                                                    | 5150-5350                            | -27dBm/MHz         |      | 68.2dBuV/m        | 3                         |
|                                                                                                                                                                                                                                                                    | 5470-5725                            | -27dBm/MHz         |      | 68.2dBuV/m        | 3                         |
|                                                                                                                                                                                                                                                                    | 5725-5850                            | -27 (dBm/MHz) *1)  |      | 68.2dBuV/m        | 3                         |
|                                                                                                                                                                                                                                                                    |                                      | 10 (dBm/MHz) *2)   |      | 105.2dBuV/m       | 3                         |
|                                                                                                                                                                                                                                                                    |                                      | 15.6 (dBm/MHz) *3) |      | 110.8dBuV/m       | 3                         |
|                                                                                                                                                                                                                                                                    |                                      | 27 (dBm/MHz) *4)   |      | 122.2dBuV/m       | 3                         |
|                                                                                                                                                                                                                                                                    | Note:                                |                    |      |                   |                           |
| *1) :beyond 75 MHz or more above of the band edge.                                                                                                                                                                                                                 |                                      |                    |      |                   |                           |
| *2) :below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.                                                                                                                                                                                        |                                      |                    |      |                   |                           |
| *3) :below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.                                                                                                                                                                            |                                      |                    |      |                   |                           |
| *4) :from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.                                                                                                                                                        |                                      |                    |      |                   |                           |
| Test result:                                                                                                                                                                                                                                                       | PASS                                 |                    |      |                   |                           |

**Test Data:**  
**Band U-NII-1**

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5180   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1196.9197      | 28.10                         | 3.04                  | -37.65                | 49.14             | 42.63             | 68.20             | 25.57          | Pass   | H        | Peak   |
| 2     | 2046.2046      | 31.76                         | 4.27                  | -36.79                | 46.48             | 45.72             | 68.20             | 22.48          | Pass   | H        | Peak   |
| 3     | 3023.1023      | 33.21                         | 5.39                  | -36.79                | 46.01             | 47.82             | 68.20             | 20.38          | Pass   | H        | Peak   |
| 4     | 7062.7709      | 36.16                         | 6.20                  | -36.19                | 42.49             | 48.66             | 68.20             | 19.54          | Pass   | H        | Peak   |
| 5     | 9602.9069      | 37.64                         | 6.64                  | -36.78                | 42.38             | 49.88             | 68.20             | 18.32          | Pass   | H        | Peak   |
| 6     | 17054.6370     | 42.25                         | 11.44                 | -33.61                | 35.71             | 55.79             | 68.20             | 12.41          | Pass   | H        | Peak   |
| 7     | 1196.9197      | 28.10                         | 3.04                  | -37.65                | 51.00             | 44.49             | 68.20             | 23.71          | Pass   | V        | Peak   |
| 8     | 2072.6073      | 31.80                         | 4.41                  | -36.74                | 46.53             | 46.00             | 68.20             | 22.20          | Pass   | V        | Peak   |
| 9     | 3091.3091      | 33.24                         | 5.52                  | -36.82                | 46.41             | 48.35             | 68.20             | 19.85          | Pass   | V        | Peak   |
| 10    | 6310.7811      | 35.86                         | 8.51                  | -36.21                | 43.11             | 51.27             | 68.20             | 16.93          | Pass   | V        | Peak   |
| 11    | 8954.2636      | 37.60                         | 6.85                  | -36.57                | 42.44             | 50.32             | 68.20             | 17.88          | Pass   | V        | Peak   |
| 12    | 15275.8517     | 40.68                         | 9.54                  | -34.90                | 35.25             | 50.57             | 68.20             | 17.63          | Pass   | V        | Peak   |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5200   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1193.6194      | 28.09                         | 3.04                  | -37.66                | 48.79             | 42.26             | 68.20             | 25.94          | Pass   | H        | Peak   |
| 2     | 2047.3047      | 31.77                         | 4.27                  | -36.80                | 46.90             | 46.14             | 68.20             | 22.06          | Pass   | H        | Peak   |
| 3     | 3025.8526      | 33.21                         | 5.40                  | -36.79                | 46.46             | 48.28             | 68.20             | 19.92          | Pass   | H        | Peak   |
| 4     | 6813.5876      | 36.03                         | 6.27                  | -36.19                | 42.30             | 48.41             | 68.20             | 19.79          | Pass   | H        | Peak   |
| 5     | 9760.0840      | 37.70                         | 6.86                  | -36.82                | 43.20             | 50.94             | 68.20             | 17.26          | Pass   | H        | Peak   |
| 6     | 16382.2255     | 42.21                         | 10.53                 | -35.32                | 34.84             | 52.26             | 68.20             | 15.94          | Pass   | H        | Peak   |
| 7     | 1129.2629      | 28.03                         | 2.97                  | -37.80                | 48.01             | 41.21             | 68.20             | 26.99          | Pass   | H        | Peak   |
| 8     | 2122.1122      | 31.87                         | 4.46                  | -36.49                | 48.15             | 47.99             | 68.20             | 20.21          | Pass   | V        | Peak   |
| 9     | 3090.2090      | 33.24                         | 5.52                  | -36.83                | 45.95             | 47.88             | 68.20             | 20.32          | Pass   | V        | Peak   |
| 10    | 6335.5336      | 35.87                         | 8.62                  | -36.16                | 43.18             | 51.51             | 68.20             | 16.69          | Pass   | V        | Peak   |
| 11    | 8926.6618      | 37.54                         | 6.88                  | -36.49                | 42.29             | 50.22             | 68.20             | 17.98          | Pass   | V        | Peak   |
| 12    | 16984.0989     | 42.20                         | 11.52                 | -33.68                | 35.12             | 55.16             | 68.20             | 13.04          | Pass   | V        | Peak   |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5240   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1062.7063      | 27.96                         | 2.87                  | -37.94                | 48.74             | 41.63             | 68.20             | 26.57          | Pass   | H        | Peak   |
| 2     | 2120.4620      | 31.87                         | 4.47                  | -36.51                | 46.83             | 46.66             | 68.20             | 21.54          | Pass   | H        | Peak   |
| 3     | 3088.5589      | 33.24                         | 5.52                  | -36.83                | 46.63             | 48.56             | 68.20             | 19.64          | Pass   | H        | Peak   |
| 4     | 6161.7162      | 35.83                         | 8.54                  | -36.21                | 42.55             | 50.71             | 68.20             | 17.49          | Pass   | H        | Peak   |
| 5     | 8831.5888      | 37.33                         | 6.88                  | -36.58                | 42.45             | 50.08             | 68.20             | 18.12          | Pass   | H        | Peak   |
| 6     | 17095.2730     | 42.30                         | 11.46                 | -33.17                | 34.49             | 55.08             | 68.20             | 13.12          | Pass   | H        | Peak   |
| 7     | 1065.4565      | 27.97                         | 2.87                  | -37.94                | 48.55             | 41.45             | 68.20             | 26.75          | Pass   | V        | Peak   |
| 8     | 3081.4081      | 33.23                         | 5.51                  | -36.83                | 47.02             | 48.93             | 68.20             | 19.27          | Pass   | V        | Peak   |
| 9     | 6831.2221      | 36.03                         | 6.29                  | -36.27                | 42.53             | 48.58             | 68.20             | 19.62          | Pass   | V        | Peak   |
| 10    | 8922.0615      | 37.53                         | 6.88                  | -36.47                | 42.45             | 50.39             | 68.20             | 17.81          | Pass   | V        | Peak   |
| 11    | 12806.2538     | 39.60                         | 8.07                  | -35.72                | 37.35             | 49.30             | 68.20             | 18.90          | Pass   | V        | Peak   |
| 12    | 17008.6339     | 42.21                         | 11.59                 | -33.48                | 34.77             | 55.09             | 68.20             | 13.11          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5180   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1063.2563      | 27.96                         | 2.87                  | -37.94                | 48.54             | 41.43             | 68.20             | 26.77          | Pass   | H        | Peak   |
| 2     | 3189.2189      | 33.28                         | 5.69                  | -36.75                | 46.36             | 48.58             | 68.20             | 19.62          | Pass   | H        | Peak   |
| 3     | 5815.1815      | 35.50                         | 8.36                  | -36.01                | 43.10             | 50.95             | 68.20             | 17.25          | Pass   | H        | Peak   |
| 4     | 8807.0538      | 37.28                         | 6.94                  | -36.60                | 42.14             | 49.76             | 68.20             | 18.44          | Pass   | H        | Peak   |
| 5     | 11151.6768     | 38.69                         | 7.62                  | -35.65                | 38.86             | 49.52             | 68.20             | 18.68          | Pass   | H        | Peak   |
| 6     | 16988.6992     | 42.20                         | 11.55                 | -33.61                | 35.12             | 55.26             | 68.20             | 12.94          | Pass   | H        | Peak   |
| 7     | 1194.7195      | 28.09                         | 3.04                  | -37.65                | 50.93             | 44.41             | 68.20             | 23.79          | Pass   | V        | Peak   |
| 8     | 1980.1980      | 31.57                         | 4.13                  | -36.78                | 47.04             | 45.96             | 68.20             | 22.24          | Pass   | V        | Peak   |
| 9     | 3028.0528      | 33.21                         | 5.41                  | -36.80                | 46.92             | 48.74             | 68.20             | 19.46          | Pass   | V        | Peak   |
| 10    | 6187.0187      | 35.84                         | 8.43                  | -36.30                | 42.72             | 50.69             | 68.20             | 17.51          | Pass   | V        | Peak   |
| 11    | 9708.7139      | 37.68                         | 6.89                  | -36.70                | 42.00             | 49.87             | 68.20             | 18.33          | Pass   | V        | Peak   |
| 12    | 17129.0086     | 42.33                         | 11.18                 | -33.22                | 35.23             | 55.52             | 68.20             | 12.68          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5200   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1979.0979      | 31.56                         | 4.13                  | -36.78                | 46.59             | 45.50             | 68.20             | 22.70          | Pass   | H        | Peak   |
| 2     | 3079.2079      | 33.23                         | 5.51                  | -36.84                | 46.03             | 47.93             | 68.20             | 20.27          | Pass   | H        | Peak   |
| 3     | 6894.8597      | 36.06                         | 6.47                  | -36.30                | 42.35             | 48.58             | 68.20             | 19.62          | Pass   | H        | Peak   |
| 4     | 8793.2529      | 37.25                         | 6.96                  | -36.62                | 42.84             | 50.43             | 68.20             | 17.77          | Pass   | H        | Peak   |
| 5     | 10284.5190     | 38.20                         | 7.21                  | -36.74                | 41.95             | 50.62             | 68.20             | 17.58          | Pass   | H        | Peak   |
| 6     | 17102.1735     | 42.30                         | 11.44                 | -33.12                | 36.03             | 56.65             | 68.20             | 11.55          | Pass   | H        | Peak   |
| 7     | 1133.6634      | 28.03                         | 2.98                  | -37.79                | 47.90             | 41.12             | 68.20             | 27.08          | Pass   | V        | Peak   |
| 8     | 2070.4070      | 31.80                         | 4.39                  | -36.74                | 48.50             | 47.95             | 68.20             | 20.25          | Pass   | V        | Peak   |
| 9     | 3071.5072      | 33.23                         | 5.50                  | -36.85                | 46.48             | 48.36             | 68.20             | 19.84          | Pass   | V        | Peak   |
| 10    | 6382.2882      | 35.88                         | 8.57                  | -36.27                | 43.42             | 51.60             | 68.20             | 16.60          | Pass   | V        | Peak   |
| 11    | 8908.2606      | 37.50                         | 6.90                  | -36.42                | 42.26             | 50.24             | 68.20             | 17.96          | Pass   | V        | Peak   |
| 12    | 17110.6074     | 42.31                         | 11.36                 | -33.15                | 35.25             | 55.77             | 68.20             | 12.43          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5240   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1062.7063      | 27.96                         | 2.87                  | -37.94                | 48.63             | 41.52             | 68.20             | 26.68          | Pass   | H        | Peak   |
| 2     | 1938.9439      | 31.30                         | 4.14                  | -36.84                | 46.34             | 44.94             | 68.20             | 23.26          | Pass   | H        | Peak   |
| 3     | 3101.2101      | 33.24                         | 5.53                  | -36.81                | 46.19             | 48.15             | 68.20             | 20.05          | Pass   | H        | Peak   |
| 4     | 6881.8255      | 36.05                         | 6.42                  | -36.31                | 42.51             | 48.67             | 68.20             | 19.53          | Pass   | H        | Peak   |
| 5     | 8911.3274      | 37.50                         | 6.90                  | -36.43                | 42.59             | 50.56             | 68.20             | 17.64          | Pass   | H        | Peak   |
| 6     | 17063.8376     | 42.26                         | 11.45                 | -33.52                | 34.71             | 54.90             | 68.20             | 13.30          | Pass   | H        | Peak   |
| 7     | 1151.2651      | 28.05                         | 3.02                  | -37.76                | 47.91             | 41.22             | 68.20             | 26.98          | Pass   | V        | Peak   |
| 8     | 3198.5699      | 33.28                         | 5.74                  | -36.70                | 46.71             | 49.03             | 68.20             | 19.17          | Pass   | V        | Peak   |
| 9     | 6330.5831      | 35.87                         | 8.60                  | -36.17                | 42.13             | 50.43             | 68.20             | 17.77          | Pass   | V        | Peak   |
| 10    | 8899.8267      | 37.48                         | 6.91                  | -36.39                | 41.58             | 49.58             | 68.20             | 18.62          | Pass   | V        | Peak   |
| 11    | 10476.9651     | 38.47                         | 7.46                  | -36.81                | 42.39             | 51.51             | 68.20             | 16.69          | Pass   | V        | Peak   |
| 12    | 17028.5686     | 42.23                         | 11.52                 | -33.58                | 35.02             | 55.19             | 68.20             | 13.01          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5190   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1096.2596      | 28.00                         | 2.90                  | -37.86                | 48.44             | 41.48             | 68.20             | 26.72          | Pass   | H        | Peak   |
| 2     | 2156.7657      | 31.92                         | 4.35                  | -36.33                | 46.46             | 46.40             | 68.20             | 21.80          | Pass   | H        | Peak   |
| 3     | 7188.5126      | 36.29                         | 6.27                  | -36.42                | 42.64             | 48.78             | 68.20             | 19.42          | Pass   | H        | Peak   |
| 4     | 10221.6481     | 38.11                         | 7.18                  | -36.47                | 40.91             | 49.73             | 68.20             | 18.47          | Pass   | H        | Peak   |
| 5     | 13708.6806     | 39.53                         | 8.44                  | -34.20                | 36.29             | 50.06             | 68.20             | 18.14          | Pass   | H        | Peak   |
| 6     | 17105.2403     | 42.31                         | 11.41                 | -33.13                | 34.34             | 54.93             | 68.20             | 13.27          | Pass   | H        | Peak   |
| 7     | 1066.0066      | 27.97                         | 2.87                  | -37.94                | 48.27             | 41.17             | 68.20             | 27.03          | Pass   | V        | Peak   |
| 8     | 2082.5083      | 31.82                         | 4.46                  | -36.71                | 48.04             | 47.61             | 68.20             | 20.59          | Pass   | V        | Peak   |
| 9     | 3196.3696      | 33.28                         | 5.73                  | -36.71                | 47.57             | 49.87             | 68.20             | 18.33          | Pass   | V        | Peak   |
| 10    | 7110.3074      | 36.21                         | 6.33                  | -36.29                | 42.62             | 48.87             | 68.20             | 19.33          | Pass   | V        | Peak   |
| 11    | 9767.7512      | 37.71                         | 6.86                  | -36.84                | 43.43             | 51.16             | 68.20             | 17.04          | Pass   | V        | Peak   |
| 12    | 16987.9325     | 42.20                         | 11.54                 | -33.62                | 36.80             | 56.92             | 68.20             | 11.28          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5230   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1045.1045      | 27.95                         | 2.85                  | -38.01                | 48.48             | 41.27             | 68.20             | 26.93          | Pass   | H        | Peak   |
| 2     | 3066.0066      | 33.23                         | 5.50                  | -36.87                | 46.93             | 48.79             | 68.20             | 19.41          | Pass   | H        | Peak   |
| 3     | 6295.9296      | 35.86                         | 8.44                  | -36.23                | 42.74             | 50.81             | 68.20             | 17.39          | Pass   | H        | Peak   |
| 4     | 7126.4084      | 36.23                         | 6.31                  | -36.32                | 42.72             | 48.94             | 68.20             | 19.26          | Pass   | H        | Peak   |
| 5     | 10415.6277     | 38.38                         | 7.53                  | -36.60                | 40.99             | 50.30             | 68.20             | 17.90          | Pass   | H        | Peak   |
| 6     | 16999.4333     | 42.20                         | 11.62                 | -33.45                | 35.15             | 55.52             | 68.20             | 12.68          | Pass   | H        | Peak   |
| 7     | 1064.9065      | 27.96                         | 2.87                  | -37.93                | 49.53             | 42.43             | 68.20             | 25.77          | Pass   | V        | Peak   |
| 8     | 3084.7085      | 33.23                         | 5.51                  | -36.82                | 46.21             | 48.13             | 68.20             | 20.07          | Pass   | V        | Peak   |
| 9     | 6730.0153      | 35.99                         | 6.41                  | -36.21                | 42.03             | 48.22             | 68.20             | 19.98          | Pass   | V        | Peak   |
| 10    | 10272.2515     | 38.18                         | 7.24                  | -36.66                | 41.34             | 50.10             | 68.20             | 18.10          | Pass   | V        | Peak   |
| 11    | 14314.3876     | 40.01                         | 8.85                  | -33.79                | 37.92             | 52.99             | 68.20             | 15.21          | Pass   | V        | Peak   |
| 12    | 17076.1051     | 42.28                         | 11.45                 | -33.38                | 34.80             | 55.15             | 68.20             | 13.05          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5180   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1066.0066      | 27.97                          | 2.87                  | -37.94                | 49.46             | 42.36             | 68.20             | 25.84          | Pass   | H        | Peak   |
| 2     | 2047.3047      | 31.77                          | 4.27                  | -36.80                | 48.14             | 47.38             | 68.20             | 20.82          | Pass   | H        | Peak   |
| 3     | 4043.4543      | 33.86                          | 6.34                  | -36.34                | 42.86             | 46.72             | 68.20             | 21.48          | Pass   | H        | Peak   |
| 4     | 7149.4100      | 36.25                          | 6.29                  | -36.35                | 43.06             | 49.25             | 68.20             | 18.95          | Pass   | H        | Peak   |
| 5     | 10236.2157     | 38.13                          | 7.23                  | -36.49                | 40.68             | 49.55             | 68.20             | 18.65          | Pass   | H        | Peak   |
| 6     | 17102.9402     | 42.30                          | 11.43                 | -33.12                | 34.91             | 55.52             | 68.20             | 12.68          | Pass   | H        | Peak   |
| 7     | 1104.5105      | 28.00                          | 2.91                  | -37.83                | 48.56             | 41.64             | 68.20             | 26.56          | Pass   | V        | Peak   |
| 8     | 3100.1100      | 33.24                          | 5.53                  | -36.81                | 45.93             | 47.89             | 68.20             | 20.31          | Pass   | V        | Peak   |
| 9     | 6341.0341      | 35.87                          | 8.65                  | -36.15                | 42.64             | 51.01             | 68.20             | 17.19          | Pass   | V        | Peak   |
| 10    | 8906.7271      | 37.49                          | 6.90                  | -36.41                | 42.09             | 50.07             | 68.20             | 18.13          | Pass   | V        | Peak   |
| 11    | 10237.7492     | 38.13                          | 7.24                  | -36.49                | 40.89             | 49.77             | 68.20             | 18.43          | Pass   | V        | Peak   |
| 12    | 17024.7350     | 42.22                          | 11.53                 | -33.55                | 34.87             | 55.07             | 68.20             | 13.13          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5200   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1044.0044      | 27.94                          | 2.85                  | -38.00                | 48.22             | 41.01             | 68.20             | 27.19          | Pass   | H        | Peak   |
| 2     | 3064.9065      | 33.23                          | 5.49                  | -36.86                | 46.00             | 47.86             | 68.20             | 20.34          | Pass   | H        | Peak   |
| 3     | 6348.1848      | 35.87                          | 8.68                  | -36.13                | 42.56             | 50.98             | 68.20             | 17.22          | Pass   | H        | Peak   |
| 4     | 7177.0118      | 36.28                          | 6.27                  | -36.39                | 43.71             | 49.87             | 68.20             | 18.33          | Pass   | H        | Peak   |
| 5     | 10239.2826     | 38.13                          | 7.24                  | -36.49                | 41.49             | 50.37             | 68.20             | 17.83          | Pass   | H        | Peak   |
| 6     | 17086.0724     | 42.29                          | 11.45                 | -33.27                | 35.23             | 55.70             | 68.20             | 12.50          | Pass   | H        | Peak   |
| 7     | 1064.3564      | 27.96                          | 2.87                  | -37.93                | 48.48             | 41.38             | 68.20             | 26.82          | Pass   | V        | Peak   |
| 8     | 3067.1067      | 33.23                          | 5.50                  | -36.86                | 45.99             | 47.86             | 68.20             | 20.34          | Pass   | V        | Peak   |
| 9     | 6367.4367      | 35.87                          | 8.63                  | -36.20                | 42.96             | 51.26             | 68.20             | 16.94          | Pass   | V        | Peak   |
| 10    | 8944.2963      | 37.58                          | 6.86                  | -36.56                | 42.70             | 50.58             | 68.20             | 17.62          | Pass   | V        | Peak   |
| 11    | 10539.8360     | 38.51                          | 7.34                  | -36.63                | 40.05             | 49.27             | 68.20             | 18.93          | Pass   | V        | Peak   |
| 12    | 17100.6400     | 42.30                          | 11.45                 | -33.11                | 34.95             | 55.59             | 68.20             | 12.61          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5240   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1048.9549      | 27.95                          | 2.86                  | -37.99                | 48.59             | 41.41             | 68.20             | 26.79          | Pass   | H        | Peak   |
| 2     | 2106.7107      | 31.85                          | 4.53                  | -36.61                | 46.94             | 46.71             | 68.20             | 21.49          | Pass   | H        | Peak   |
| 3     | 3167.7668      | 33.27                          | 5.57                  | -36.87                | 46.05             | 48.02             | 68.20             | 20.18          | Pass   | H        | Peak   |
| 4     | 6894.8597      | 36.06                          | 6.47                  | -36.30                | 43.45             | 49.68             | 68.20             | 18.52          | Pass   | H        | Peak   |
| 5     | 10245.4164     | 38.14                          | 7.26                  | -36.50                | 40.68             | 49.58             | 68.20             | 18.62          | Pass   | H        | Peak   |
| 6     | 17115.9744     | 42.32                          | 11.31                 | -33.18                | 34.52             | 54.97             | 68.20             | 13.23          | Pass   | H        | Peak   |
| 7     | 1069.8570      | 27.97                          | 2.88                  | -37.93                | 48.35             | 41.27             | 68.20             | 26.93          | Pass   | V        | Peak   |
| 8     | 3088.5589      | 33.24                          | 5.52                  | -36.83                | 46.41             | 48.34             | 68.20             | 19.86          | Pass   | V        | Peak   |
| 9     | 6377.8878      | 35.88                          | 8.59                  | -36.25                | 43.24             | 51.46             | 68.20             | 16.74          | Pass   | V        | Peak   |
| 10    | 10285.2857     | 38.20                          | 7.21                  | -36.74                | 41.37             | 50.04             | 68.20             | 18.16          | Pass   | V        | Peak   |
| 11    | 13687.9792     | 39.51                          | 8.46                  | -34.13                | 35.72             | 49.56             | 68.20             | 18.64          | Pass   | V        | Peak   |
| 12    | 17106.0071     | 42.31                          | 11.40                 | -33.13                | 34.46             | 55.04             | 68.20             | 13.16          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5190   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1025.8526      | 27.93                          | 2.82                  | -38.10                | 48.59             | 41.24             | 68.20             | 26.96          | Pass   | H        | Peak   |
| 2     | 3023.1023      | 33.21                          | 5.39                  | -36.79                | 46.34             | 48.15             | 68.20             | 20.05          | Pass   | H        | Peak   |
| 3     | 6459.2959      | 35.89                          | 8.50                  | -36.25                | 43.13             | 51.27             | 68.20             | 16.93          | Pass   | H        | Peak   |
| 4     | 8882.1921      | 37.44                          | 6.89                  | -36.46                | 41.90             | 49.77             | 68.20             | 18.43          | Pass   | H        | Peak   |
| 5     | 10225.4817     | 38.12                          | 7.19                  | -36.48                | 41.31             | 50.14             | 68.20             | 18.06          | Pass   | H        | Peak   |
| 6     | 17102.9402     | 42.30                          | 11.43                 | -33.12                | 35.34             | 55.95             | 68.20             | 12.25          | Pass   | H        | Peak   |
| 7     | 1040.7041      | 27.94                          | 2.85                  | -38.03                | 48.96             | 41.72             | 68.20             | 26.48          | Pass   | V        | Peak   |
| 8     | 2193.0693      | 31.97                          | 4.38                  | -36.53                | 48.12             | 47.94             | 68.20             | 20.26          | Pass   | V        | Peak   |
| 9     | 6360.8361      | 35.87                          | 8.65                  | -36.17                | 43.06             | 51.41             | 68.20             | 16.79          | Pass   | V        | Peak   |
| 10    | 8876.8251      | 37.43                          | 6.88                  | -36.48                | 42.51             | 50.34             | 68.20             | 17.86          | Pass   | V        | Peak   |
| 11    | 10398.7599     | 38.36                          | 7.53                  | -36.54                | 40.89             | 50.24             | 68.20             | 17.96          | Pass   | V        | Peak   |
| 12    | 17105.2403     | 42.31                          | 11.41                 | -33.13                | 34.79             | 55.38             | 68.20             | 12.82          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5230   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1044.5545      | 27.94                          | 2.85                  | -38.00                | 49.04             | 41.83             | 68.20             | 26.37          | Pass   | H        | Peak   |
| 2     | 2131.4631      | 31.88                          | 4.42                  | -36.42                | 46.63             | 46.51             | 68.20             | 21.69          | Pass   | H        | Peak   |
| 3     | 6247.5248      | 35.85                          | 8.24                  | -36.30                | 42.47             | 50.26             | 68.20             | 17.94          | Pass   | H        | Peak   |
| 4     | 8751.8501      | 37.15                          | 6.94                  | -36.70                | 42.85             | 50.24             | 68.20             | 17.96          | Pass   | H        | Peak   |
| 5     | 10187.1458     | 38.06                          | 7.11                  | -36.53                | 41.28             | 49.92             | 68.20             | 18.28          | Pass   | H        | Peak   |
| 6     | 17098.3399     | 42.30                          | 11.46                 | -33.13                | 35.04             | 55.67             | 68.20             | 12.53          | Pass   | H        | Peak   |
| 7     | 1068.2068      | 27.97                          | 2.87                  | -37.93                | 48.63             | 41.54             | 68.20             | 26.66          | Pass   | V        | Peak   |
| 8     | 2119.3619      | 31.87                          | 4.47                  | -36.51                | 46.75             | 46.58             | 68.20             | 21.62          | Pass   | V        | Peak   |
| 9     | 3187.5688      | 33.28                          | 5.68                  | -36.76                | 47.90             | 50.10             | 68.20             | 18.10          | Pass   | V        | Peak   |
| 10    | 6148.5149      | 35.83                          | 8.58                  | -36.18                | 43.08             | 51.31             | 68.20             | 16.89          | Pass   | V        | Peak   |
| 11    | 8929.7286      | 37.55                          | 6.87                  | -36.50                | 42.54             | 50.46             | 68.20             | 17.74          | Pass   | V        | Peak   |
| 12    | 17104.4736     | 42.30                          | 11.42                 | -33.13                | 35.03             | 55.62             | 68.20             | 12.58          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT80)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5775   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1030.8031      | 27.93                          | 2.83                  | -38.07                | 48.76             | 41.45             | 68.20             | 26.75          | Pass   | H        | Peak   |
| 2     | 2061.0561      | 31.79                          | 4.34                  | -36.77                | 46.66             | 46.02             | 68.20             | 22.18          | Pass   | H        | Peak   |
| 3     | 6480.7481      | 35.90                          | 8.59                  | -36.24                | 43.68             | 51.93             | 68.20             | 16.27          | Pass   | H        | Peak   |
| 4     | 8913.6276      | 37.51                          | 6.89                  | -36.44                | 42.34             | 50.30             | 68.20             | 17.90          | Pass   | H        | Peak   |
| 5     | 10418.6946     | 38.39                          | 7.53                  | -36.62                | 41.23             | 50.53             | 68.20             | 17.67          | Pass   | H        | Peak   |
| 6     | 17104.4736     | 42.30                          | 11.42                 | -33.13                | 35.58             | 56.17             | 68.20             | 12.03          | Pass   | H        | Peak   |
| 7     | 1046.2046      | 27.95                          | 2.85                  | -38.00                | 48.39             | 41.19             | 68.20             | 27.01          | Pass   | V        | Peak   |
| 8     | 2048.4048      | 31.77                          | 4.28                  | -36.80                | 47.64             | 46.89             | 68.20             | 21.31          | Pass   | V        | Peak   |
| 9     | 3165.5666      | 33.27                          | 5.56                  | -36.88                | 46.85             | 48.80             | 68.20             | 19.40          | Pass   | V        | Peak   |
| 10    | 6361.3861      | 35.87                          | 8.65                  | -36.18                | 42.72             | 51.06             | 68.20             | 17.14          | Pass   | V        | Peak   |
| 11    | 10217.0478     | 38.10                          | 7.16                  | -36.46                | 40.94             | 49.74             | 68.20             | 18.46          | Pass   | V        | Peak   |
| 12    | 17099.8733     | 42.30                          | 11.46                 | -33.11                | 34.85             | 55.50             | 68.20             | 12.70          | Pass   | V        | Peak   |

**Band U-NII-3**

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5745   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1069.3069      | 27.97                         | 2.54                  | -37.93                | 49.13             | 41.71             | 68.20             | 26.49          | Pass   | H        | Peak   |
| 2     | 2052.2552      | 31.77                         | 3.65                  | -36.79                | 47.55             | 46.18             | 68.20             | 22.02          | Pass   | H        | Peak   |
| 3     | 3069.3069      | 33.23                         | 4.63                  | -36.85                | 46.59             | 47.60             | 68.20             | 20.60          | Pass   | H        | Peak   |
| 4     | 6458.1958      | 35.89                         | 7.20                  | -36.25                | 43.45             | 50.29             | 68.20             | 17.91          | Pass   | H        | Peak   |
| 5     | 9766.9845      | 37.71                         | 6.86                  | -36.84                | 43.45             | 51.18             | 68.20             | 17.02          | Pass   | H        | Peak   |
| 6     | 17039.3026     | 42.24                         | 11.48                 | -33.62                | 38.46             | 58.56             | 68.20             | 9.64           | Pass   | H        | Peak   |
| 7     | 1011.5512      | 27.91                         | 2.49                  | -38.16                | 48.88             | 41.12             | 68.20             | 27.08          | Pass   | V        | Peak   |
| 8     | 3199.1199      | 33.28                         | 4.71                  | -36.70                | 47.23             | 48.52             | 68.20             | 19.68          | Pass   | V        | Peak   |
| 9     | 6438.9439      | 35.89                         | 7.09                  | -36.28                | 43.94             | 50.64             | 68.20             | 17.56          | Pass   | V        | Peak   |
| 10    | 8831.5888      | 37.33                         | 6.88                  | -36.58                | 43.33             | 50.96             | 68.20             | 17.24          | Pass   | V        | Peak   |
| 11    | 10240.8161     | 38.14                         | 7.25                  | -36.50                | 42.04             | 50.93             | 68.20             | 17.27          | Pass   | V        | Peak   |
| 12    | 17000.2000     | 42.20                         | 11.62                 | -33.44                | 38.85             | 59.23             | 68.20             | 8.97           | Pass   | V        | Peak   |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5785   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1052.2552      | 27.95                         | 2.51                  | -37.97                | 48.46             | 40.95             | 68.20             | 27.25          | Pass   | H        | Peak   |
| 2     | 2070.4070      | 31.80                         | 3.65                  | -36.74                | 46.58             | 45.29             | 68.20             | 22.91          | Pass   | H        | Peak   |
| 3     | 6421.8922      | 35.88                         | 7.04                  | -36.30                | 43.87             | 50.49             | 68.20             | 17.71          | Pass   | H        | Peak   |
| 4     | 8953.4969      | 37.60                         | 6.85                  | -36.57                | 42.91             | 50.79             | 68.20             | 17.41          | Pass   | H        | Peak   |
| 5     | 10246.9498     | 38.15                         | 7.27                  | -36.51                | 42.12             | 51.03             | 68.20             | 17.17          | Pass   | H        | Peak   |
| 6     | 17106.0071     | 42.31                         | 11.40                 | -33.13                | 36.86             | 57.44             | 68.20             | 10.76          | Pass   | H        | Peak   |
| 7     | 1030.8031      | 27.93                         | 2.50                  | -38.07                | 49.49             | 41.85             | 68.20             | 26.35          | Pass   | H        | Peak   |
| 8     | 2114.9615      | 31.86                         | 3.68                  | -36.55                | 46.89             | 45.88             | 68.20             | 22.32          | Pass   | V        | Peak   |
| 9     | 6697.0465      | 35.98                         | 6.41                  | -36.21                | 43.49             | 49.67             | 68.20             | 18.53          | Pass   | V        | Peak   |
| 10    | 8856.8905      | 37.39                         | 6.85                  | -36.56                | 42.64             | 50.32             | 68.20             | 17.88          | Pass   | V        | Peak   |
| 11    | 10236.9825     | 38.13                         | 7.23                  | -36.49                | 41.54             | 50.41             | 68.20             | 17.79          | Pass   | V        | Peak   |
| 12    | 17025.5017     | 42.23                         | 11.53                 | -33.56                | 37.19             | 57.39             | 68.20             | 10.81          | Pass   | V        | Peak   |

| Mode: |                | 802.11a(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5825   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 2069.8570      | 31.80                         | 3.65                  | -36.74                | 45.81             | 44.52             | 68.20             | 23.68          | Pass   | H        | Peak   |
| 2     | 2958.1958      | 33.13                         | 4.58                  | -36.79                | 45.42             | 46.34             | 68.20             | 21.86          | Pass   | H        | Peak   |
| 3     | 6359.7360      | 35.87                         | 7.08                  | -36.17                | 42.74             | 49.52             | 68.20             | 18.68          | Pass   | H        | Peak   |
| 4     | 8791.7194      | 37.24                         | 6.96                  | -36.62                | 42.19             | 49.77             | 68.20             | 18.43          | Pass   | H        | Peak   |
| 5     | 10164.1443     | 38.03                         | 7.13                  | -36.71                | 40.42             | 48.87             | 68.20             | 19.33          | Pass   | H        | Peak   |
| 6     | 17126.7084     | 42.33                         | 11.20                 | -33.21                | 34.51             | 54.83             | 68.20             | 13.37          | Pass   | H        | Peak   |
| 7     | 1198.5699      | 28.10                         | 2.87                  | -37.65                | 50.96             | 44.28             | 68.20             | 23.92          | Pass   | V        | Peak   |
| 8     | 2049.5050      | 31.77                         | 3.65                  | -36.80                | 46.04             | 44.66             | 68.20             | 23.54          | Pass   | V        | Peak   |
| 9     | 3185.9186      | 33.27                         | 4.69                  | -36.76                | 45.88             | 47.08             | 68.20             | 21.12          | Pass   | V        | Peak   |
| 10    | 6227.1727      | 35.85                         | 7.15                  | -36.32                | 41.99             | 48.67             | 68.20             | 19.53          | Pass   | V        | Peak   |
| 11    | 8832.3555      | 37.33                         | 6.88                  | -36.58                | 41.49             | 49.12             | 68.20             | 19.08          | Pass   | V        | Peak   |
| 12    | 17056.9371     | 42.26                         | 11.44                 | -33.59                | 35.03             | 55.14             | 68.20             | 13.06          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5745   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1196.9197      | 28.10                         | 2.86                  | -37.65                | 48.93             | 42.24             | 68.20             | 25.96          | Pass   | H        | Peak   |
| 2     | 2084.1584      | 31.82                         | 3.66                  | -36.71                | 46.57             | 45.34             | 68.20             | 22.86          | Pass   | H        | Peak   |
| 3     | 3199.6700      | 33.28                         | 4.71                  | -36.69                | 45.74             | 47.04             | 68.20             | 21.16          | Pass   | H        | Peak   |
| 4     | 8976.4984      | 37.65                         | 6.84                  | -36.54                | 42.82             | 50.77             | 68.20             | 17.43          | Pass   | H        | Peak   |
| 5     | 10273.0182     | 38.18                         | 7.23                  | -36.66                | 41.40             | 50.15             | 68.20             | 18.05          | Pass   | H        | Peak   |
| 6     | 17022.4348     | 42.22                         | 11.54                 | -33.54                | 36.07             | 56.29             | 68.20             | 11.91          | Pass   | H        | Peak   |
| 7     | 1196.9197      | 28.10                         | 2.86                  | -37.65                | 48.53             | 41.84             | 68.20             | 26.36          | Pass   | V        | Peak   |
| 8     | 3085.8086      | 33.23                         | 4.62                  | -36.82                | 45.62             | 46.65             | 68.20             | 21.55          | Pass   | V        | Peak   |
| 9     | 6382.2882      | 35.88                         | 7.02                  | -36.27                | 43.19             | 49.82             | 68.20             | 18.38          | Pass   | V        | Peak   |
| 10    | 8885.2590      | 37.45                         | 6.89                  | -36.45                | 43.04             | 50.93             | 68.20             | 17.27          | Pass   | V        | Peak   |
| 11    | 10281.4521     | 38.19                         | 7.22                  | -36.72                | 40.86             | 49.55             | 68.20             | 18.65          | Pass   | V        | Peak   |
| 12    | 16987.9325     | 42.20                         | 11.54                 | -33.62                | 35.80             | 55.92             | 68.20             | 12.28          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5785   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1074.2574      | 27.97                         | 2.55                  | -37.91                | 49.24             | 41.85             | 68.20             | 26.35          | Pass   | H        | Peak   |
| 2     | 2132.0132      | 31.88                         | 3.70                  | -36.41                | 47.08             | 46.25             | 68.20             | 21.95          | Pass   | H        | Peak   |
| 3     | 6459.8460      | 35.89                         | 7.21                  | -36.25                | 42.91             | 49.76             | 68.20             | 18.44          | Pass   | H        | Peak   |
| 4     | 8888.3259      | 37.45                         | 6.89                  | -36.43                | 42.46             | 50.37             | 68.20             | 17.83          | Pass   | H        | Peak   |
| 5     | 10230.0820     | 38.12                         | 7.21                  | -36.48                | 41.28             | 50.13             | 68.20             | 18.07          | Pass   | H        | Peak   |
| 6     | 17043.9029     | 42.24                         | 11.46                 | -33.64                | 36.98             | 57.04             | 68.20             | 11.16          | Pass   | H        | Peak   |
| 7     | 1111.1111      | 28.01                         | 2.62                  | -37.82                | 48.73             | 41.54             | 68.20             | 26.66          | Pass   | V        | Peak   |
| 8     | 2078.6579      | 31.81                         | 3.66                  | -36.72                | 49.90             | 48.65             | 68.20             | 19.55          | Pass   | V        | Peak   |
| 9     | 6771.4181      | 36.01                         | 6.34                  | -36.18                | 42.04             | 48.21             | 68.20             | 19.99          | Pass   | V        | Peak   |
| 10    | 8877.5918      | 37.43                         | 6.88                  | -36.48                | 42.84             | 50.67             | 68.20             | 17.53          | Pass   | V        | Peak   |
| 11    | 10228.5486     | 38.12                         | 7.20                  | -36.48                | 41.11             | 49.95             | 68.20             | 18.25          | Pass   | V        | Peak   |
| 12    | 17102.1735     | 42.30                         | 11.44                 | -33.12                | 36.02             | 56.64             | 68.20             | 11.56          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5825   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1073.7074      | 27.97                         | 2.55                  | -37.91                | 48.47             | 41.08             | 68.20             | 27.12          | Pass   | H        | Peak   |
| 2     | 2160.0660      | 31.92                         | 3.76                  | -36.35                | 47.00             | 46.33             | 68.20             | 21.87          | Pass   | H        | Peak   |
| 3     | 3188.6689      | 33.28                         | 4.69                  | -36.75                | 46.67             | 47.89             | 68.20             | 20.31          | Pass   | H        | Peak   |
| 4     | 8934.3290      | 37.56                         | 6.87                  | -36.52                | 42.83             | 50.74             | 68.20             | 17.46          | Pass   | H        | Peak   |
| 5     | 13749.3166     | 39.55                         | 8.49                  | -34.17                | 37.83             | 51.70             | 68.20             | 16.50          | Pass   | H        | Peak   |
| 6     | 16985.6324     | 42.20                         | 11.53                 | -33.65                | 36.30             | 56.38             | 68.20             | 11.82          | Pass   | H        | Peak   |
| 7     | 1070.9571      | 27.97                         | 2.54                  | -37.92                | 48.32             | 40.91             | 68.20             | 27.29          | Pass   | V        | Peak   |
| 8     | 2124.8625      | 31.87                         | 3.69                  | -36.47                | 47.42             | 46.51             | 68.20             | 21.69          | Pass   | V        | Peak   |
| 9     | 3194.7195      | 33.28                         | 4.70                  | -36.72                | 46.50             | 47.76             | 68.20             | 20.44          | Pass   | V        | Peak   |
| 10    | 8802.4535      | 37.27                         | 6.95                  | -36.60                | 42.74             | 50.36             | 68.20             | 17.84          | Pass   | V        | Peak   |
| 11    | 11716.7478     | 39.07                         | 7.45                  | -35.58                | 40.94             | 51.88             | 68.20             | 16.32          | Pass   | V        | Peak   |
| 12    | 17107.5405     | 42.31                         | 11.39                 | -33.14                | 34.72             | 55.28             | 68.20             | 12.92          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5755   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1091.8592      | 27.99                         | 2.58                  | -37.86                | 48.72             | 41.43             | 68.20             | 26.77          | Pass   | H        | Peak   |
| 2     | 2155.1155      | 31.92                         | 3.74                  | -36.32                | 46.31             | 45.65             | 68.20             | 22.55          | Pass   | H        | Peak   |
| 3     | 3262.3762      | 33.30                         | 4.98                  | -36.81                | 45.76             | 47.23             | 68.20             | 20.97          | Pass   | H        | Peak   |
| 4     | 6932.4288      | 36.07                         | 6.45                  | -36.27                | 42.67             | 48.92             | 68.20             | 19.28          | Pass   | H        | Peak   |
| 5     | 10169.5113     | 38.04                         | 7.12                  | -36.66                | 41.44             | 49.94             | 68.20             | 18.26          | Pass   | H        | Peak   |
| 6     | 17011.7008     | 42.21                         | 11.58                 | -33.49                | 36.45             | 56.75             | 68.20             | 11.45          | Pass   | H        | Peak   |
| 7     | 1090.7591      | 27.99                         | 2.58                  | -37.87                | 48.85             | 41.55             | 68.20             | 26.65          | Pass   | V        | Peak   |
| 8     | 2277.2277      | 32.09                         | 4.14                  | -36.70                | 48.09             | 47.62             | 68.20             | 20.58          | Pass   | V        | Peak   |
| 9     | 3258.5259      | 33.30                         | 5.01                  | -36.81                | 46.15             | 47.65             | 68.20             | 20.55          | Pass   | V        | Peak   |
| 10    | 6462.0462      | 35.89                         | 7.23                  | -36.24                | 42.20             | 49.08             | 68.20             | 19.12          | Pass   | V        | Peak   |
| 11    | 10244.6496     | 38.14                         | 7.26                  | -36.50                | 41.02             | 49.92             | 68.20             | 18.28          | Pass   | V        | Peak   |
| 12    | 17101.4068     | 42.30                         | 11.45                 | -33.12                | 34.22             | 54.85             | 68.20             | 13.35          | Pass   | V        | Peak   |

| Mode: |                | 802.11n(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5795   |          |        |
|-------|----------------|-------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]         | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1154.5655      | 28.05                         | 2.73                  | -37.75                | 49.21             | 42.24             | 68.20             | 25.96          | Pass   | H        | Peak   |
| 2     | 2118.2618      | 31.87                         | 3.69                  | -36.53                | 46.66             | 45.69             | 68.20             | 22.51          | Pass   | H        | Peak   |
| 3     | 3064.9065      | 33.23                         | 4.64                  | -36.87                | 46.36             | 47.36             | 68.20             | 20.84          | Pass   | H        | Peak   |
| 4     | 8968.0645      | 37.63                         | 6.84                  | -36.55                | 43.16             | 51.08             | 68.20             | 17.12          | Pass   | H        | Peak   |
| 5     | 10213.2142     | 38.10                         | 7.15                  | -36.46                | 41.52             | 50.31             | 68.20             | 17.89          | Pass   | H        | Peak   |
| 6     | 17122.1081     | 42.32                         | 11.25                 | -33.19                | 36.23             | 56.61             | 68.20             | 11.59          | Pass   | H        | Peak   |
| 7     | 1096.2596      | 28.00                         | 2.58                  | -37.85                | 48.64             | 41.37             | 68.20             | 26.83          | Pass   | V        | Peak   |
| 8     | 3089.1089      | 33.24                         | 4.62                  | -36.83                | 45.99             | 47.02             | 68.20             | 21.18          | Pass   | V        | Peak   |
| 9     | 6485.6986      | 35.90                         | 7.44                  | -36.24                | 42.58             | 49.68             | 68.20             | 18.52          | Pass   | V        | Peak   |
| 10    | 10193.2796     | 38.07                         | 7.11                  | -36.49                | 41.59             | 50.28             | 68.20             | 17.92          | Pass   | V        | Peak   |
| 11    | 13030.1353     | 39.59                         | 7.93                  | -35.33                | 39.51             | 51.70             | 68.20             | 16.50          | Pass   | V        | Peak   |
| 12    | 17127.4752     | 42.33                         | 11.20                 | -33.22                | 36.17             | 56.48             | 68.20             | 11.72          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5745   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1055.0055      | 27.96                          | 2.52                  | -37.97                | 48.30             | 40.81             | 68.20             | 27.39          | Pass   | H        | Peak   |
| 2     | 3150.7151      | 33.26                          | 4.63                  | -36.95                | 46.47             | 47.41             | 68.20             | 20.79          | Pass   | H        | Peak   |
| 3     | 6331.1331      | 35.87                          | 7.25                  | -36.18                | 42.43             | 49.37             | 68.20             | 18.83          | Pass   | H        | Peak   |
| 4     | 8924.3616      | 37.53                          | 6.88                  | -36.47                | 43.01             | 50.95             | 68.20             | 17.25          | Pass   | H        | Peak   |
| 5     | 12415.9944     | 39.55                          | 7.95                  | -36.16                | 39.52             | 50.86             | 68.20             | 17.34          | Pass   | H        | Peak   |
| 6     | 17107.5405     | 42.31                          | 11.39                 | -33.14                | 35.55             | 56.11             | 68.20             | 12.09          | Pass   | H        | Peak   |
| 7     | 1028.6029      | 27.93                          | 2.50                  | -38.08                | 47.82             | 40.17             | 68.20             | 28.03          | Pass   | V        | Peak   |
| 8     | 2015.9516      | 31.72                          | 3.65                  | -36.75                | 46.42             | 45.04             | 68.20             | 23.16          | Pass   | V        | Peak   |
| 9     | 3207.3707      | 33.28                          | 4.76                  | -36.70                | 45.95             | 47.29             | 68.20             | 20.91          | Pass   | V        | Peak   |
| 10    | 6967.6978      | 36.09                          | 6.39                  | -36.23                | 42.27             | 48.52             | 68.20             | 19.68          | Pass   | V        | Peak   |
| 11    | 8872.9915      | 37.42                          | 6.87                  | -36.49                | 41.90             | 49.70             | 68.20             | 18.50          | Pass   | V        | Peak   |
| 12    | 17016.3011     | 42.22                          | 11.56                 | -33.52                | 34.98             | 55.24             | 68.20             | 12.96          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5785   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1072.0572      | 27.97                          | 2.55                  | -37.92                | 49.02             | 41.62             | 68.20             | 26.58          | Pass   | H        | Peak   |
| 2     | 2115.5116      | 31.86                          | 3.68                  | -36.54                | 46.54             | 45.54             | 68.20             | 22.66          | Pass   | H        | Peak   |
| 3     | 6901.7601      | 36.06                          | 6.49                  | -36.29                | 42.89             | 49.15             | 68.20             | 19.05          | Pass   | H        | Peak   |
| 4     | 8961.9308      | 37.62                          | 6.85                  | -36.56                | 42.52             | 50.43             | 68.20             | 17.77          | Pass   | H        | Peak   |
| 5     | 12386.8591     | 39.53                          | 7.92                  | -36.18                | 40.95             | 52.22             | 68.20             | 15.98          | Pass   | H        | Peak   |
| 6     | 17107.5405     | 42.31                          | 11.39                 | -33.14                | 35.35             | 55.91             | 68.20             | 12.29          | Pass   | H        | Peak   |
| 7     | 1157.8658      | 28.06                          | 2.74                  | -37.75                | 47.72             | 40.77             | 68.20             | 27.43          | Pass   | V        | Peak   |
| 8     | 3061.6062      | 33.22                          | 4.64                  | -36.86                | 45.20             | 46.20             | 68.20             | 22.00          | Pass   | V        | Peak   |
| 9     | 6287.1287      | 35.86                          | 7.42                  | -36.25                | 41.19             | 48.22             | 68.20             | 19.98          | Pass   | V        | Peak   |
| 10    | 8895.2263      | 37.47                          | 6.90                  | -36.41                | 41.90             | 49.86             | 68.20             | 18.34          | Pass   | V        | Peak   |
| 11    | 12464.2976     | 39.58                          | 7.91                  | -36.19                | 38.94             | 50.24             | 68.20             | 17.96          | Pass   | V        | Peak   |
| 12    | 17010.9341     | 42.21                          | 11.58                 | -33.49                | 35.22             | 55.52             | 68.20             | 12.68          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT20)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5825   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1091.8592      | 27.99                          | 2.58                  | -37.86                | 47.72             | 40.43             | 68.20             | 27.77          | Pass   | H        | Peak   |
| 2     | 2092.9593      | 31.83                          | 3.66                  | -36.68                | 46.02             | 44.83             | 68.20             | 23.37          | Pass   | H        | Peak   |
| 3     | 6928.5952      | 36.07                          | 6.46                  | -36.28                | 41.18             | 47.43             | 68.20             | 20.77          | Pass   | H        | Peak   |
| 4     | 8820.8547      | 37.31                          | 6.91                  | -36.60                | 41.79             | 49.41             | 68.20             | 18.79          | Pass   | H        | Peak   |
| 5     | 10279.9187     | 38.19                          | 7.22                  | -36.71                | 41.23             | 49.93             | 68.20             | 18.27          | Pass   | H        | Peak   |
| 6     | 16990.2327     | 42.20                          | 11.56                 | -33.59                | 35.47             | 55.64             | 68.20             | 12.56          | Pass   | H        | Peak   |
| 7     | 1030.2530      | 27.93                          | 2.50                  | -38.07                | 47.88             | 40.24             | 68.20             | 27.96          | Pass   | V        | Peak   |
| 8     | 3054.4554      | 33.22                          | 4.65                  | -36.88                | 45.20             | 46.19             | 68.20             | 22.01          | Pass   | V        | Peak   |
| 9     | 8793.2529      | 37.25                          | 6.96                  | -36.62                | 41.81             | 49.40             | 68.20             | 18.80          | Pass   | V        | Peak   |
| 10    | 10255.3837     | 38.16                          | 7.27                  | -36.55                | 39.98             | 48.86             | 68.20             | 19.34          | Pass   | V        | Peak   |
| 11    | 13738.5826     | 39.54                          | 8.48                  | -34.18                | 37.53             | 51.37             | 68.20             | 16.83          | Pass   | V        | Peak   |
| 12    | 17007.8672     | 42.21                          | 11.59                 | -33.48                | 35.51             | 55.83             | 68.20             | 12.37          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5755   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1068.7569      | 27.97                          | 2.54                  | -37.93                | 48.11             | 40.69             | 68.20             | 27.51          | Pass   | H        | Peak   |
| 2     | 2051.1551      | 31.77                          | 3.65                  | -36.79                | 45.87             | 44.50             | 68.20             | 23.70          | Pass   | H        | Peak   |
| 3     | 3084.7085      | 33.23                          | 4.62                  | -36.83                | 46.31             | 47.33             | 68.20             | 20.87          | Pass   | H        | Peak   |
| 4     | 6497.2497      | 35.90                          | 7.54                  | -36.23                | 42.04             | 49.25             | 68.20             | 18.95          | Pass   | H        | Peak   |
| 5     | 10371.9248     | 38.32                          | 7.36                  | -36.69                | 40.76             | 49.75             | 68.20             | 18.45          | Pass   | H        | Peak   |
| 6     | 17102.9402     | 42.30                          | 11.43                 | -33.12                | 35.54             | 56.15             | 68.20             | 12.05          | Pass   | H        | Peak   |
| 7     | 1069.3069      | 27.97                          | 2.54                  | -37.93                | 47.10             | 39.68             | 68.20             | 28.52          | Pass   | V        | Peak   |
| 8     | 2115.5116      | 31.86                          | 3.68                  | -36.54                | 47.02             | 46.02             | 68.20             | 22.18          | Pass   | V        | Peak   |
| 9     | 6473.5974      | 35.89                          | 7.33                  | -36.23                | 41.33             | 48.32             | 68.20             | 19.88          | Pass   | V        | Peak   |
| 10    | 8929.7286      | 37.55                          | 6.87                  | -36.50                | 41.19             | 49.11             | 68.20             | 19.09          | Pass   | V        | Peak   |
| 11    | 10250.7834     | 38.15                          | 7.28                  | -36.52                | 39.97             | 48.88             | 68.20             | 19.32          | Pass   | V        | Peak   |
| 12    | 17019.3680     | 42.22                          | 11.55                 | -33.53                | 35.04             | 55.28             | 68.20             | 12.92          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT40)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5795   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1092.9593      | 27.99                          | 2.58                  | -37.86                | 48.68             | 41.39             | 68.20             | 26.81          | Pass   | H        | Peak   |
| 2     | 2139.7140      | 31.90                          | 3.72                  | -36.37                | 46.17             | 45.42             | 68.20             | 22.78          | Pass   | H        | Peak   |
| 3     | 3122.6623      | 33.25                          | 4.62                  | -36.88                | 46.14             | 47.13             | 68.20             | 21.07          | Pass   | H        | Peak   |
| 4     | 6715.4477      | 35.99                          | 6.42                  | -36.22                | 41.75             | 47.94             | 68.20             | 20.26          | Pass   | H        | Peak   |
| 5     | 8828.5219      | 37.32                          | 6.89                  | -36.58                | 41.63             | 49.26             | 68.20             | 18.94          | Pass   | H        | Peak   |
| 6     | 17032.4022     | 42.23                          | 11.50                 | -33.58                | 35.64             | 55.79             | 68.20             | 12.41          | Pass   | H        | Peak   |
| 7     | 1114.4114      | 28.01                          | 2.63                  | -37.82                | 48.28             | 41.10             | 68.20             | 27.10          | Pass   | V        | Peak   |
| 8     | 2085.2585      | 31.82                          | 3.66                  | -36.70                | 48.17             | 46.95             | 68.20             | 21.25          | Pass   | V        | Peak   |
| 9     | 6342.6843      | 35.87                          | 7.16                  | -36.14                | 42.90             | 49.79             | 68.20             | 18.41          | Pass   | V        | Peak   |
| 10    | 8912.0941      | 37.51                          | 6.90                  | -36.44                | 42.47             | 50.44             | 68.20             | 17.76          | Pass   | V        | Peak   |
| 11    | 10391.8595     | 38.35                          | 7.49                  | -36.58                | 41.35             | 50.61             | 68.20             | 17.59          | Pass   | V        | Peak   |
| 12    | 17004.8003     | 42.20                          | 11.60                 | -33.45                | 35.44             | 55.79             | 68.20             | 12.41          | Pass   | V        | Peak   |

| Mode: |                | 802.11ac(HT80)<br>Transmitting |                       |                       | Channel:          |                   |                   |                | 5775   |          |        |
|-------|----------------|--------------------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB]          | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 1074.2574      | 27.97                          | 2.55                  | -37.91                | 48.47             | 41.08             | 68.20             | 27.12          | Pass   | H        | Peak   |
| 2     | 1910.3410      | 31.11                          | 3.54                  | -36.79                | 46.45             | 44.31             | 68.20             | 23.89          | Pass   | H        | Peak   |
| 3     | 6907.8939      | 36.06                          | 6.48                  | -36.28                | 42.39             | 48.65             | 68.20             | 19.55          | Pass   | H        | Peak   |
| 4     | 8871.4581      | 37.42                          | 6.87                  | -36.50                | 42.40             | 50.19             | 68.20             | 18.01          | Pass   | H        | Peak   |
| 5     | 10218.5812     | 38.11                          | 7.17                  | -36.47                | 40.95             | 49.76             | 68.20             | 18.44          | Pass   | H        | Peak   |
| 6     | 17119.0413     | 42.32                          | 11.28                 | -33.19                | 35.73             | 56.14             | 68.20             | 12.06          | Pass   | H        | Peak   |
| 7     | 1070.4070      | 27.97                          | 2.54                  | -37.92                | 48.07             | 40.66             | 68.20             | 27.54          | Pass   | V        | Peak   |
| 8     | 3078.6579      | 33.23                          | 4.63                  | -36.84                | 46.65             | 47.67             | 68.20             | 20.53          | Pass   | V        | Peak   |
| 9     | 6892.5595      | 36.06                          | 6.46                  | -36.30                | 43.56             | 49.78             | 68.20             | 18.42          | Pass   | V        | Peak   |
| 10    | 8837.7225      | 37.34                          | 6.87                  | -36.58                | 42.60             | 50.23             | 68.20             | 17.97          | Pass   | V        | Peak   |
| 11    | 10326.6884     | 38.26                          | 7.20                  | -36.83                | 41.72             | 50.35             | 68.20             | 17.85          | Pass   | V        | Peak   |
| 12    | 17043.1362     | 42.24                          | 11.46                 | -33.63                | 35.90             | 55.97             | 68.20             | 12.23          | Pass   | V        | Peak   |

Note:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

2) Through Pre-scan transmitting mode with all kind of modulation and data rate, find the MCS0 is the worst case of 802.11a; MCS0 is the worst case of 802.11n(20M)(40M); MCS0 is the worst case of 802.11ac(20M)(40M)(80M); and then Only the worst case is recorded in the report.

3) Scan from 9kHz to 40GHz, the disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

4) All modes and antenna are tested, and found the antenna 1 which is worst case for 802.11a/n(20M)(40M)/802.11ac(20M)(40M)(80M),and then only the worst case mode is recorded in the report.

## PHOTOGRAPHS OF TEST SETUP

Test model No.: WCT1BR2701T



**Radiated spurious emission Test Setup-1(Below 30MHz)**



**Radiated spurious emission Test Setup-2(30MHz-1GHz)**



**Radiated spurious emission Test Setup-3(1GHz- 18GHz)**



**Radiated spurious emission Test Setup-4(Above 18GHz)**



**Radiated spurious emission Test Setup-5( Close-up)**



**Conducted Emissions Test Setup**

## PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No.EED32K00249901 for EUT external and internal photos.

\*\*\* End of Report \*\*\*

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