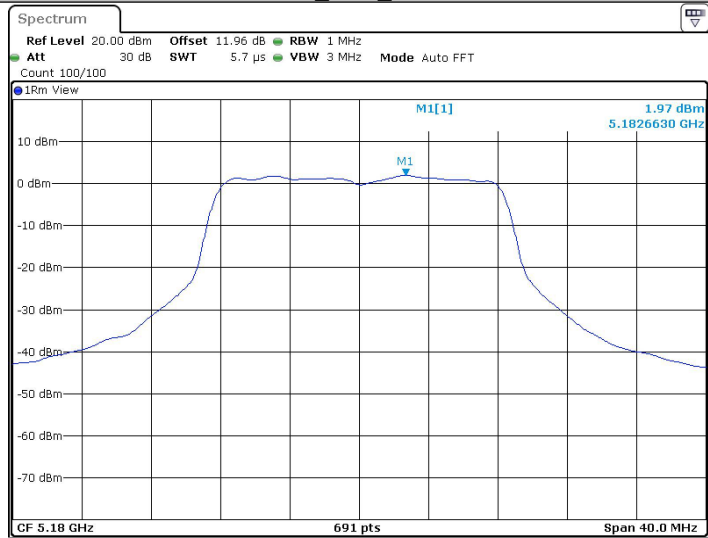
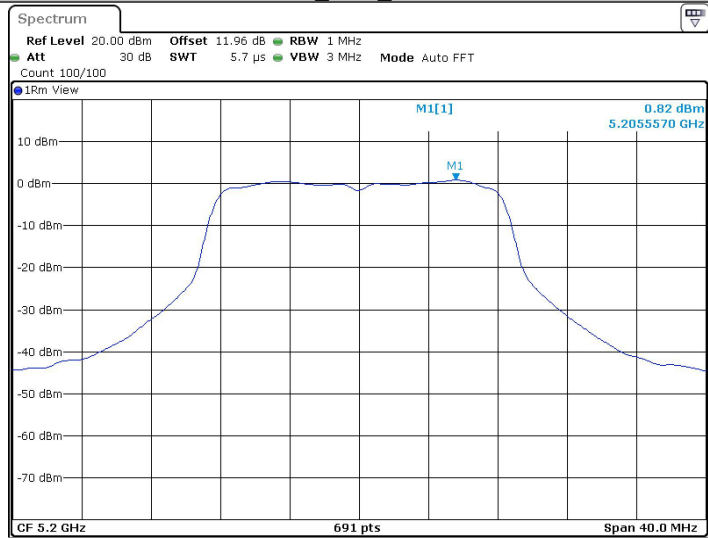


11A\_Ant2\_5180



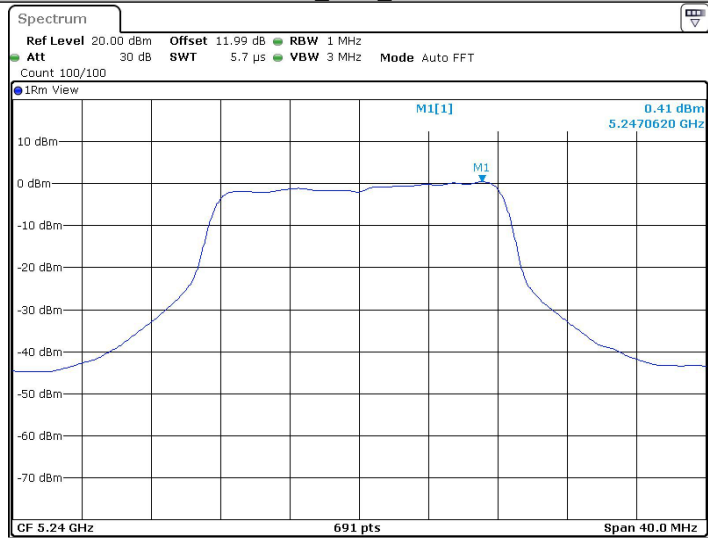
Date: 12.SEP.2023 15:24:53

11A\_Ant2\_5200



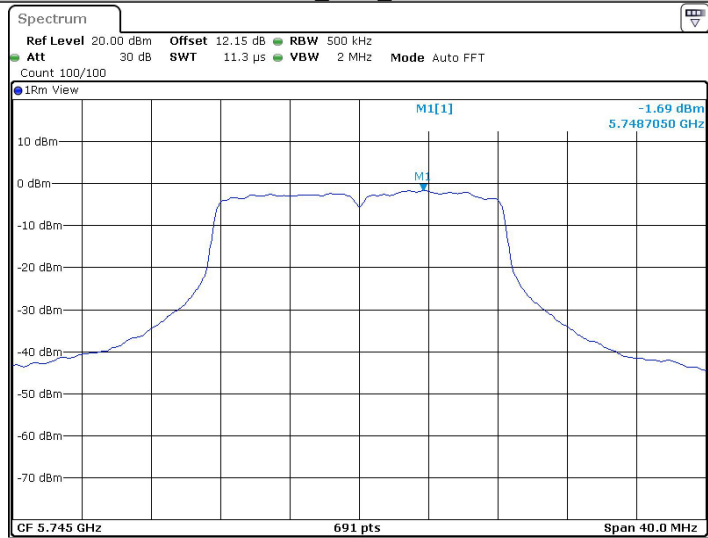
Date: 12.SEP.2023 15:27:35

11A\_Ant2\_5240



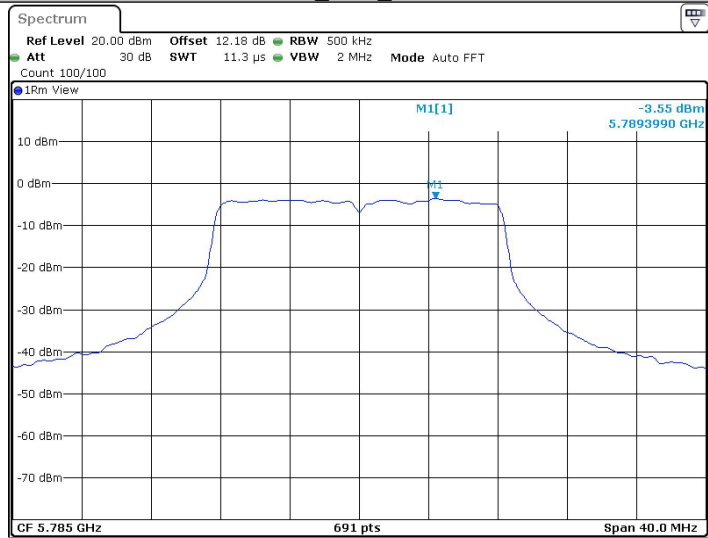
Date: 12.SEP.2023 15:28:58

11A\_Ant2\_5745



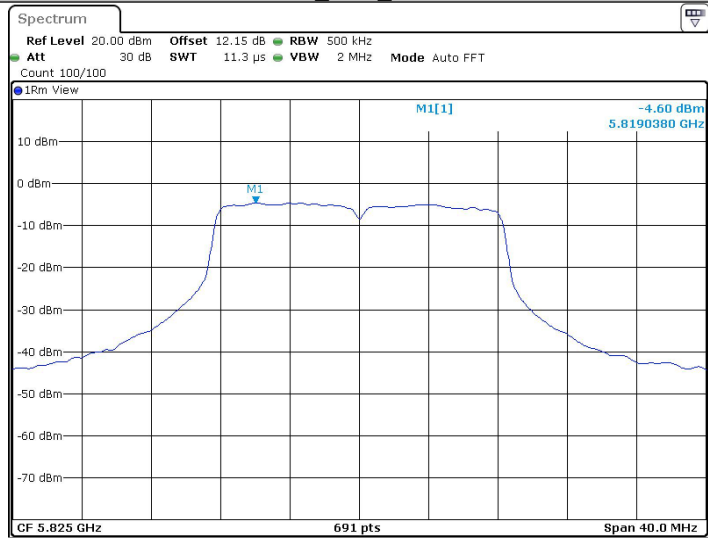
Date: 12.SEP.2023 15:31:50

11A\_Ant2\_5785



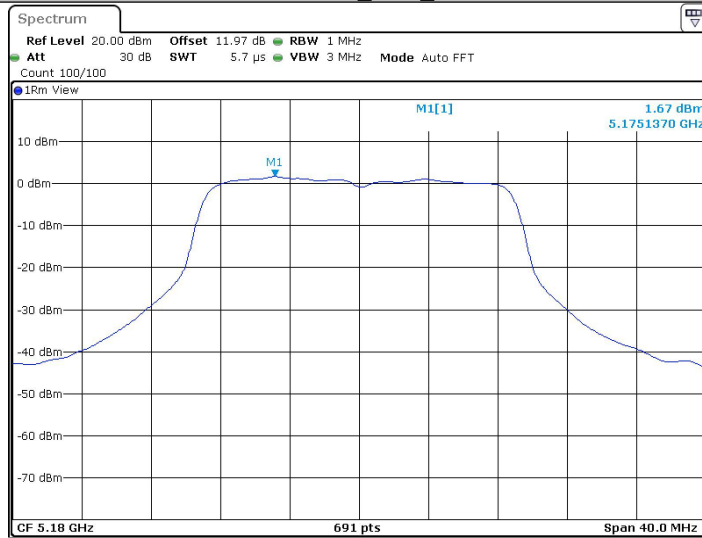
Date: 12.SEP.2023 15:34:26

11A\_Ant2\_5825



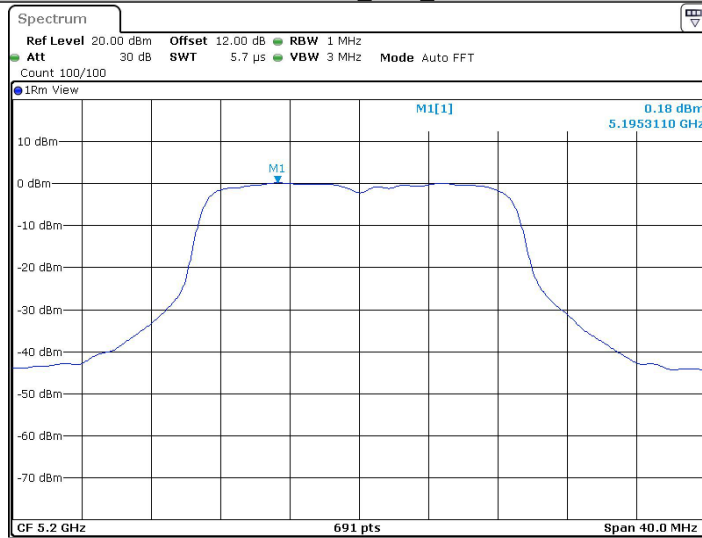
Date: 12.SEP.2023 15:35:50

11N20SISO\_Ant2\_5180



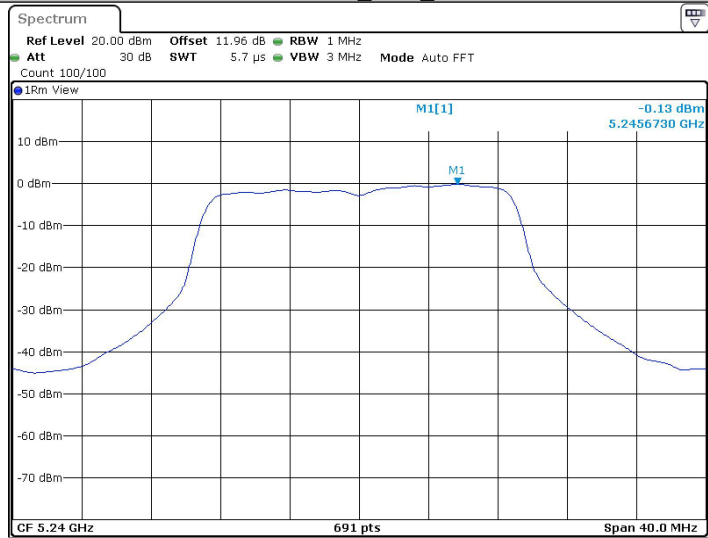
Date: 12.SEP.2023 15:38:37

11N20SISO\_Ant2\_5200



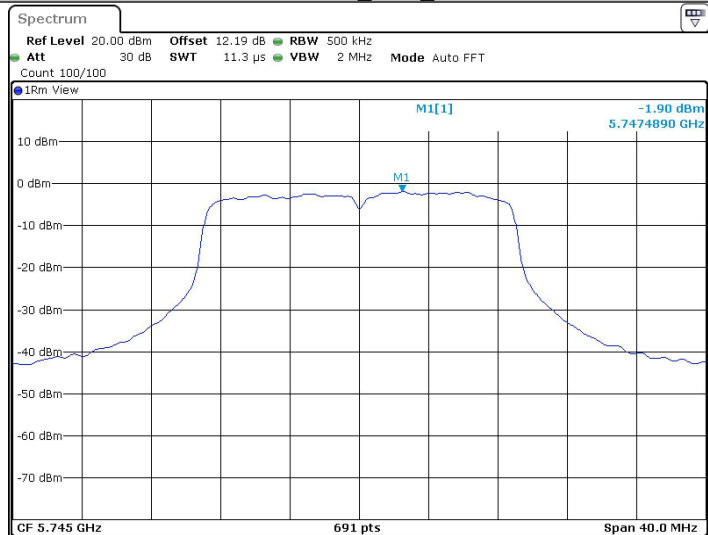
Date: 12.SEP.2023 15:41:45

11N20SISO\_Ant2\_5240



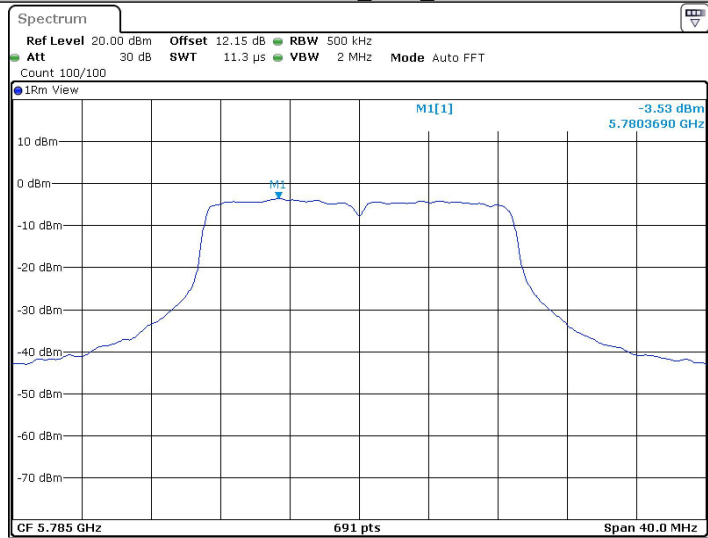
Date: 12.SEP.2023 15:43:07

11N20SISO\_Ant2\_5745



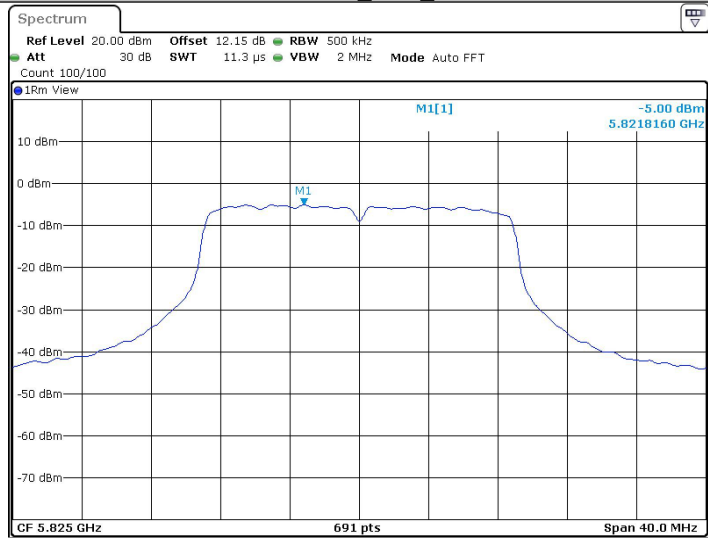
Date: 12.SEP.2023 15:45:55

11N20SISO\_Ant2\_5785



Date: 12.SEP.2023 15:48:51

11N20SISO\_Ant2\_5825



Date: 12.SEP.2023 15:50:21

## Appendix D): Band Edge Measurements

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.407(b)

Test Method: KDB 789033 D02 II G

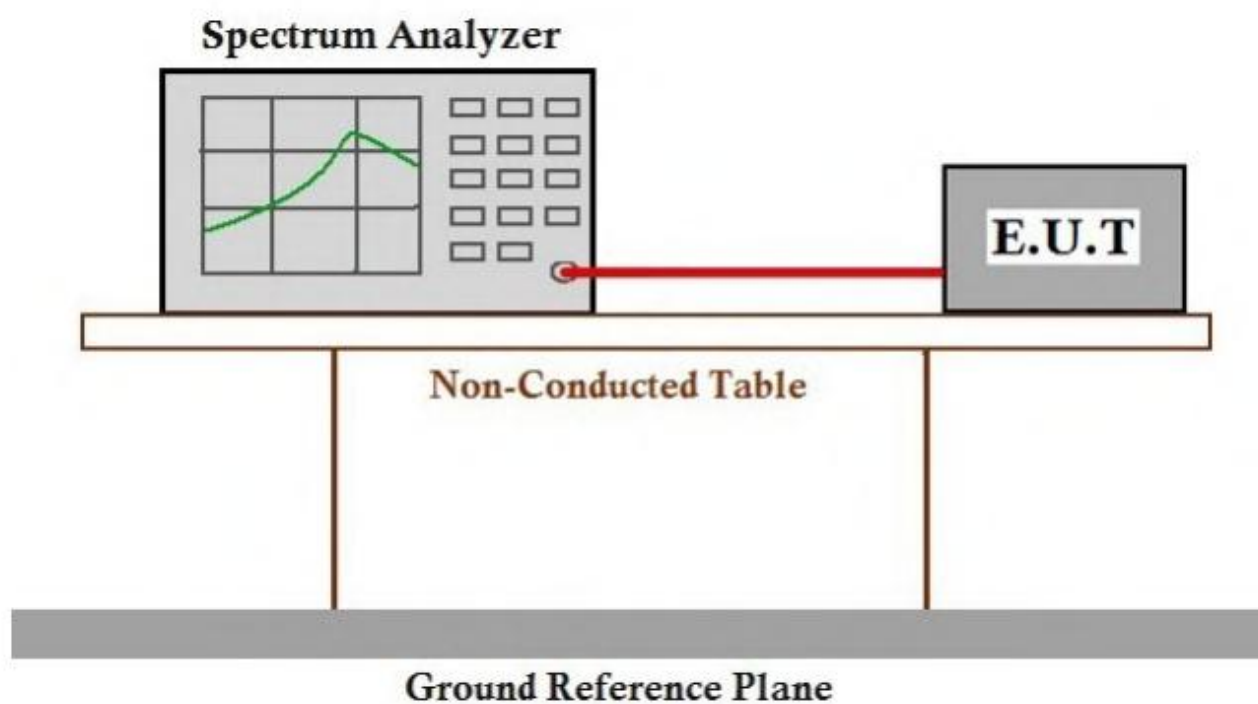
### Test Procedure:

1. The EUT operates at transmitting mode. The operate channel is tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
2. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
  - (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
  - (b) AVERAGE: RBW=1MHz ; VBW=1/on time(1KHz) / Sweep=AUTO

### Limit:

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For transmitters operating in the 5.15-5.25 GHz band:  | All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).                                                                                                                                                                                                                                                                                                                                                                                  |
| For transmitters operating in the 5.25-5.35 GHz band:  | All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).                                                                                                                                                                                                                                                                                                                                                                                  |
| For transmitters operating in the 5.47-5.725 GHz band: | All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).                                                                                                                                                                                                                                                                                                                                                                                 |
| For transmitters operating in the 5.725-5.85 GHz band: | (i) All emissions shall be limited to a level of -27 dBm/MHz (68.2dBuV/m) at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz (105.2dBuV/m) at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz (110.8dBuV/m) at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz (122.2dBuV/m) at the band edge. |

## Test Setup Diagram



**Test Result:**

**Ant1:**

| TestMode  | ChName | Freq(MHz) | Result[dBm] | Limit[dBm] | Verdict |
|-----------|--------|-----------|-------------|------------|---------|
| 11A       | Low    | 5180      | -42.67      | $\leq -27$ | PASS    |
|           | High   | 5240      | -42.92      | $\leq -27$ | PASS    |
| 11N20SISO | Low    | 5180      | -41.91      | $\leq -27$ | PASS    |
|           | High   | 5240      | -42.71      | $\leq -27$ | PASS    |

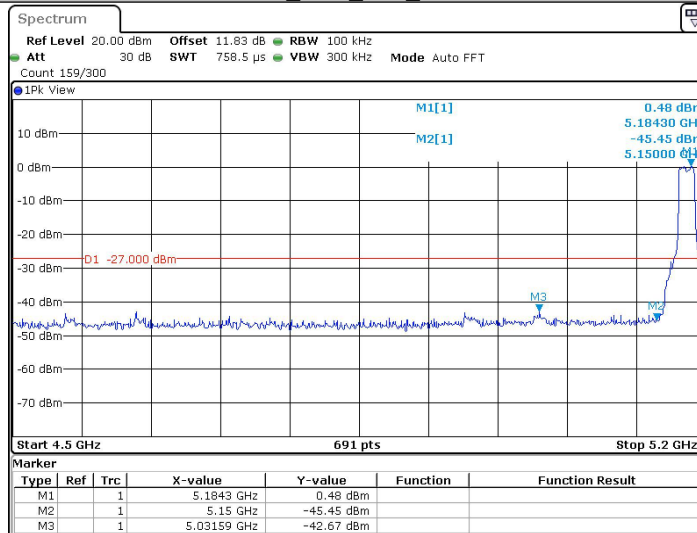
| TestMode  | ChName | Freq(MHz) | FreqRange<br>[MHz] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|--------|-----------|--------------------|-----------------|----------------|---------|
| 11A       | Low    | 5745      | 5650~5700          | -42.11          | $\leq -22.56$  | PASS    |
|           |        |           | 5700~5720          | -37.96          | $\leq 15.60$   | PASS    |
|           |        |           | 5720~5725          | -33.68          | $\leq 27.00$   | PASS    |
|           |        |           | 5760~5650          | -42.22          | $\leq -27$     | PASS    |
|           | High   | 5825      | 5850~5855          | -42.6           | $\leq 21.60$   | PASS    |
|           |        |           | 5855~5875          | -41.98          | $\leq 14.16$   | PASS    |
|           |        |           | 5875~5925          | -42.02          | $\leq -8.23$   | PASS    |
|           |        |           | 5925~5935          | -41.25          | $\leq -27$     | PASS    |
| 11N20SISO | Low    | 5745      | 5650~5700          | -42.63          | $\leq 0.01$    | PASS    |
|           |        |           | 5700~5720          | -38.55          | $\leq 15.04$   | PASS    |
|           |        |           | 5720~5725          | -35.2           | $\leq 26.62$   | PASS    |
|           |        |           | 5760~5650          | -43.68          | $\leq -27$     | PASS    |
|           | High   | 5825      | 5850~5855          | -41.84          | $\leq 19.37$   | PASS    |
|           |        |           | 5855~5875          | -41.64          | $\leq 10.71$   | PASS    |
|           |        |           | 5875~5925          | -41.2           | $\leq -12.14$  | PASS    |
|           |        |           | 5925~5935          | -42.12          | $\leq -27$     | PASS    |

**Ant2:**

| TestMode  | ChName | Freq(MHz) | Result[dBm] | Limit[dBm] | Verdict |
|-----------|--------|-----------|-------------|------------|---------|
| 11A       | Low    | 5180      | -42.53      | $\leq -27$ | PASS    |
|           | High   | 5240      | -43.82      | $\leq -27$ | PASS    |
| 11N20SISO | Low    | 5180      | -43.16      | $\leq -27$ | PASS    |
|           | High   | 5240      | -43         | $\leq -27$ | PASS    |

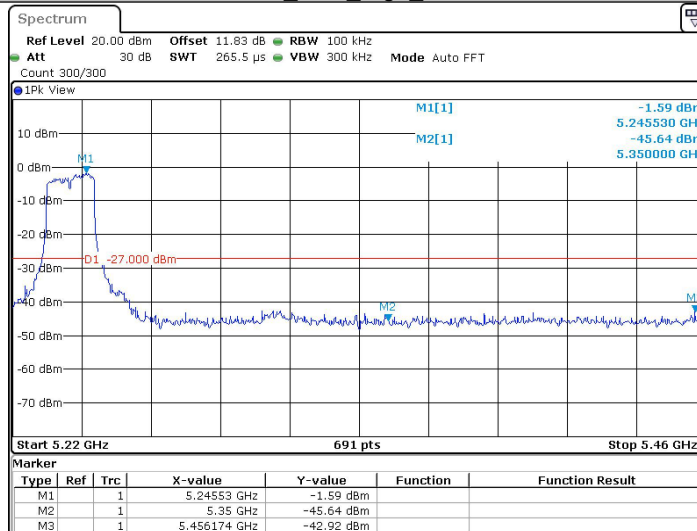
| TestMode  | ChName | Freq(MHz) | FreqRange<br>[MHz] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|--------|-----------|--------------------|-----------------|----------------|---------|
| 11A       | Low    | 5745      | 5650~5700          | -41.85          | $\leq -4.80$   | PASS    |
|           |        |           | 5700~5720          | -42.2           | $\leq 15.60$   | PASS    |
|           |        |           | 5720~5725          | -39.04          | $\leq 27.00$   | PASS    |
|           |        |           | 5760~5650          | -43.84          | $\leq -27$     | PASS    |
|           | High   | 5825      | 5850~5855          | -42.34          | $\leq 25.17$   | PASS    |
|           |        |           | 5855~5875          | -41.09          | $\leq 11.97$   | PASS    |
|           |        |           | 5875~5925          | -41.49          | $\leq -3.45$   | PASS    |
|           |        |           | 5925~5935          | -41.41          | $\leq -27$     | PASS    |
| 11N20SISO | Low    | 5745      | 5650~5700          | -41.55          | $\leq -4.80$   | PASS    |
|           |        |           | 5700~5720          | -40.81          | $\leq 15.41$   | PASS    |
|           |        |           | 5720~5725          | -38.68          | $\leq 23.58$   | PASS    |
|           |        |           | 5760~5650          | -43             | $\leq -27$     | PASS    |
|           | High   | 5825      | 5850~5855          | -40.99          | $\leq 18.92$   | PASS    |
|           |        |           | 5855~5875          | -41.11          | $\leq 13.77$   | PASS    |
|           |        |           | 5875~5925          | -41.64          | $\leq -13.15$  | PASS    |
|           |        |           | 5925~5935          | -41.73          | $\leq -27$     | PASS    |

11A\_Ant1\_Low\_5180



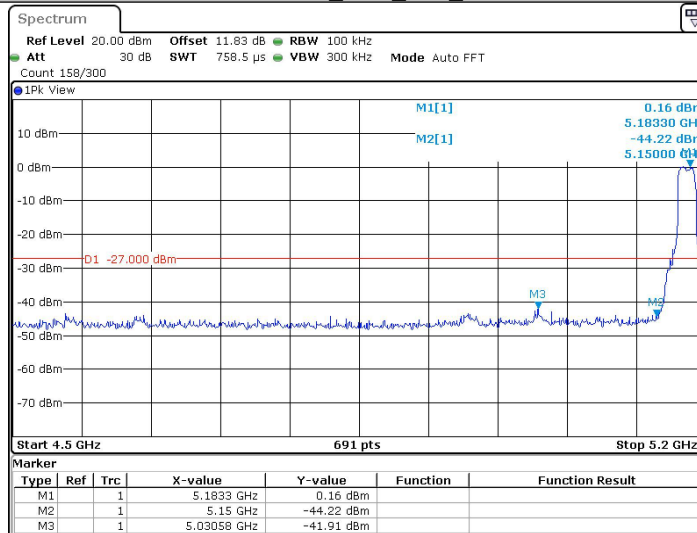
Date: 28.AUG.2023 13:57:22

11A\_Ant1\_High\_5240



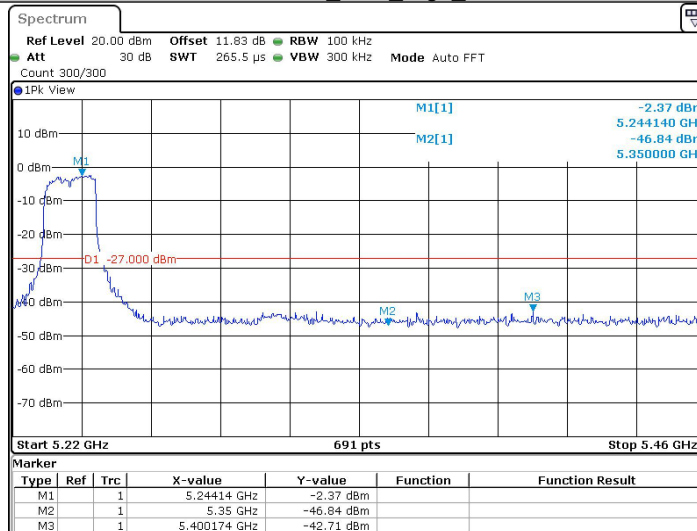
Date: 28.AUG.2023 14:09:50

11N20SISO\_Ant1\_Low\_5180



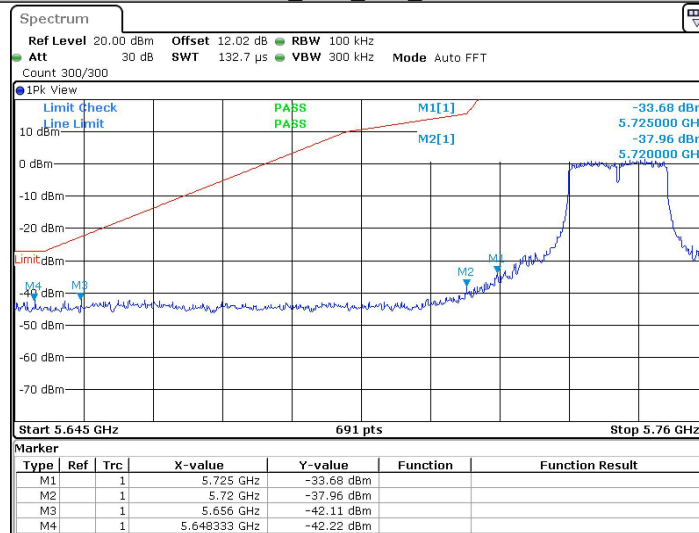
Date: 28.AUG.2023 14:43:03

11N20SISO\_Ant1\_High\_5240



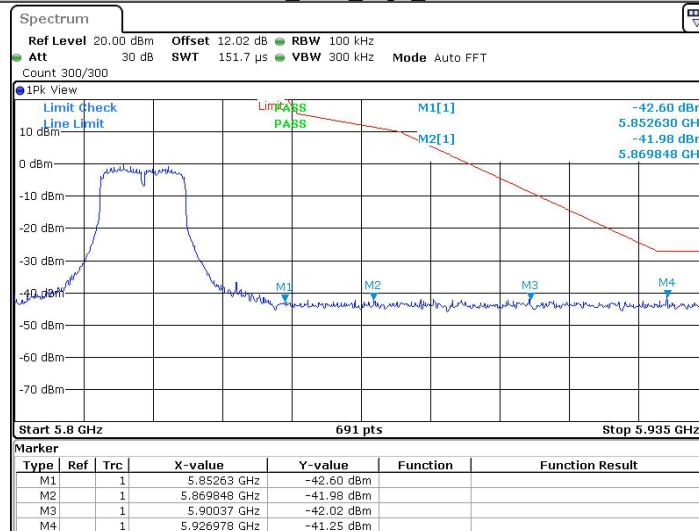
Date: 28.AUG.2023 15:09:41

11A\_Ant1\_Low\_5745



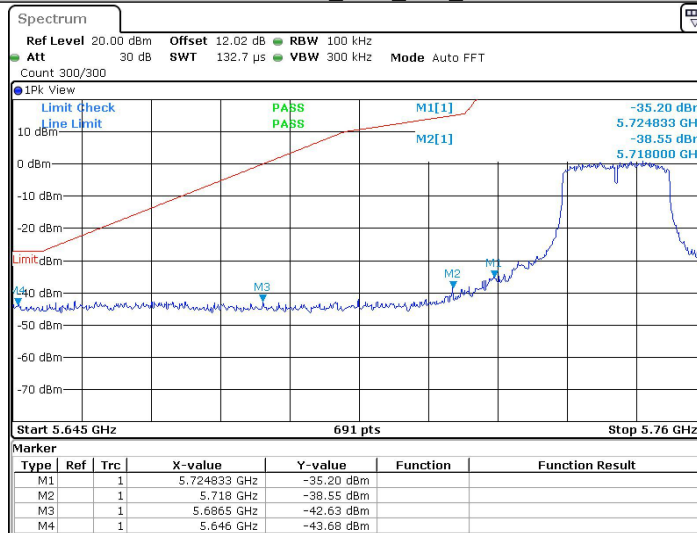
Date: 28.AUG.2023 14:15:38

11A\_Ant1\_High\_5825



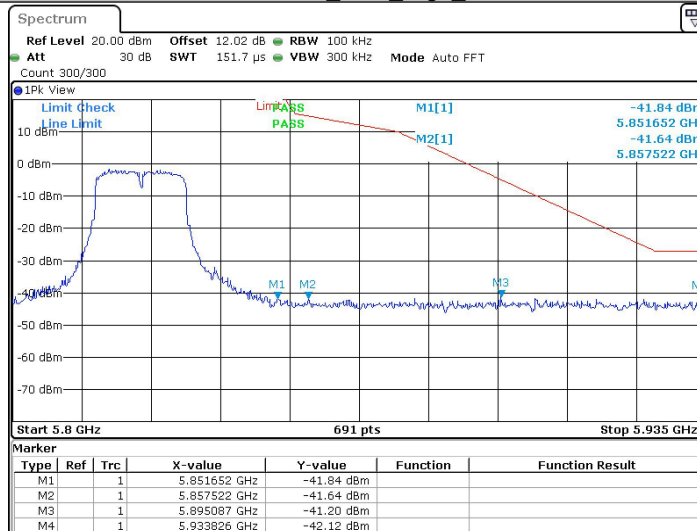
Date: 28.AUG.2023 14:30:20

11N20SISO\_Ant1\_Low\_5745



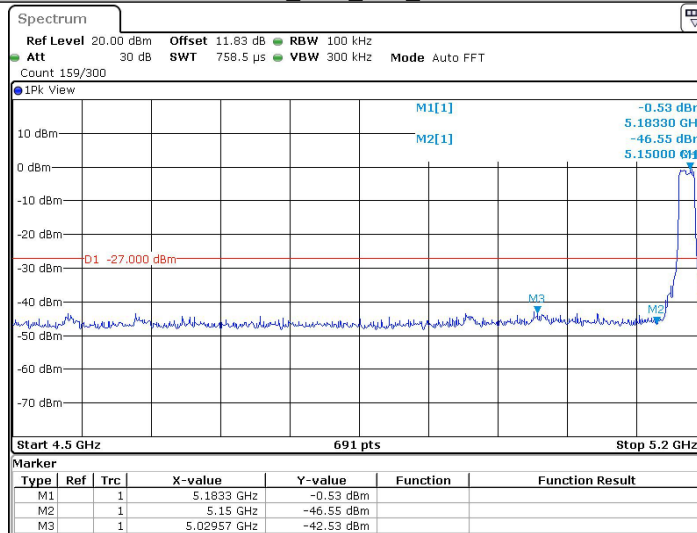
Date: 28.AUG.2023 15:15:48

11N20SISO\_Ant1\_High\_5825



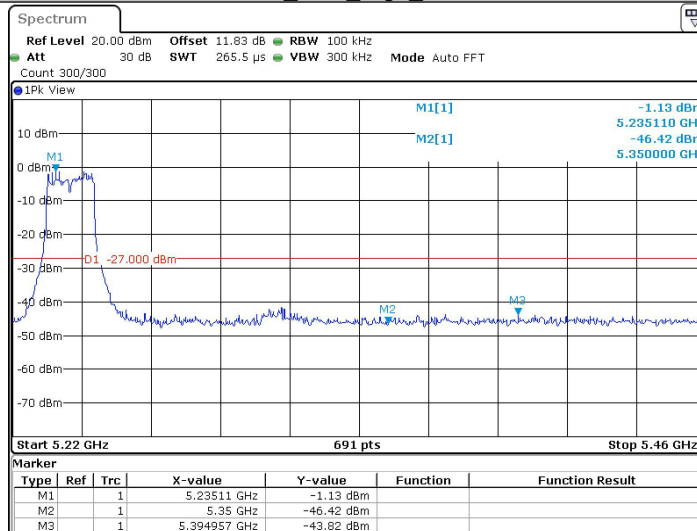
Date: 28.AUG.2023 15:28:59

11A\_Ant2\_Low\_5180



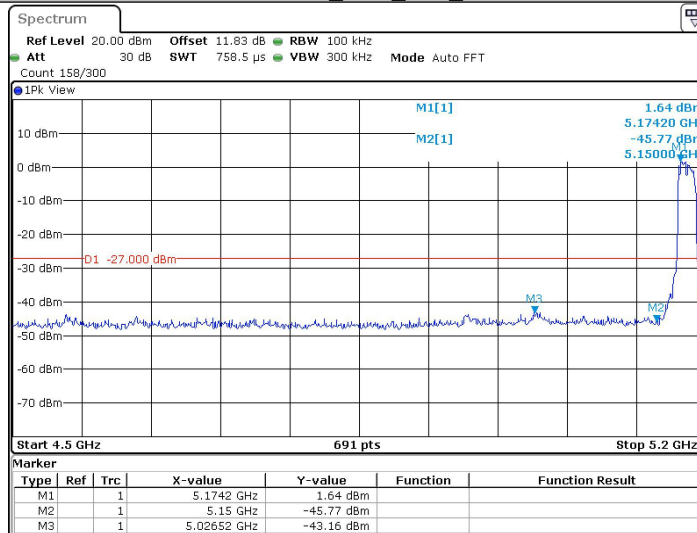
Date: 12 SEP. 2023 15:25:07

11A\_Ant2\_High\_5240



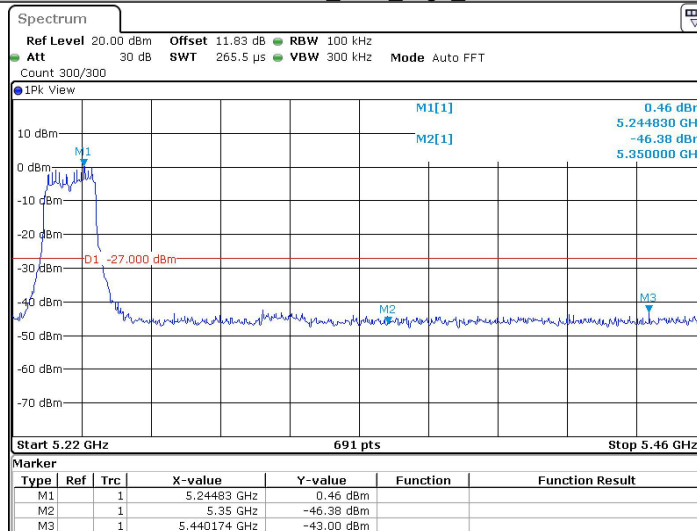
Date: 12 SEP. 2023 15:29:12

11N20SISO\_Ant2\_Low\_5180



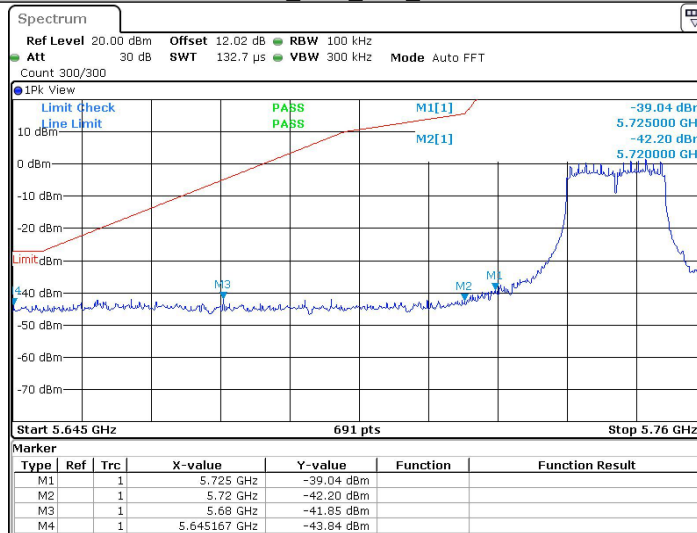
Date: 12.SEP.2023 15:38:51

11N20SISO\_Ant2\_High\_5240



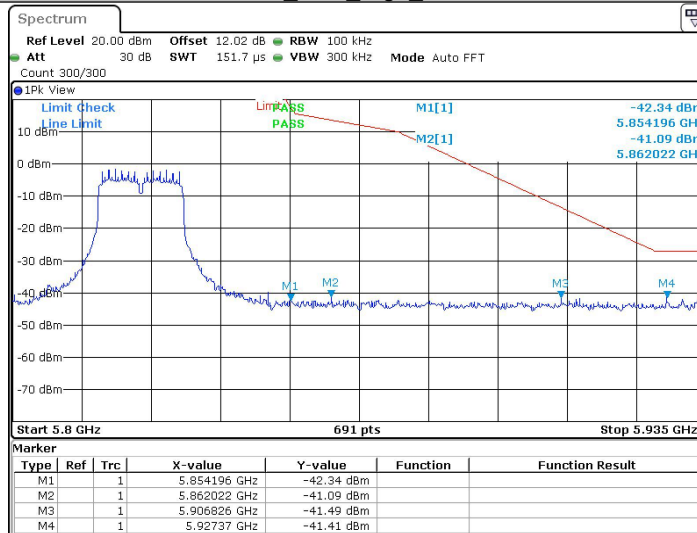
Date: 12.SEP.2023 15:43:21

11A\_Ant2\_Low\_5745



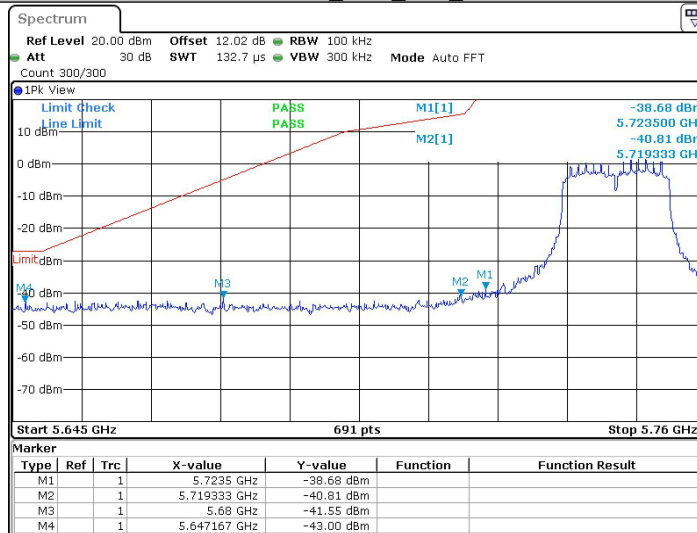
Date: 12 SEP. 2023 15:32:04

11A\_Ant2\_High\_5825



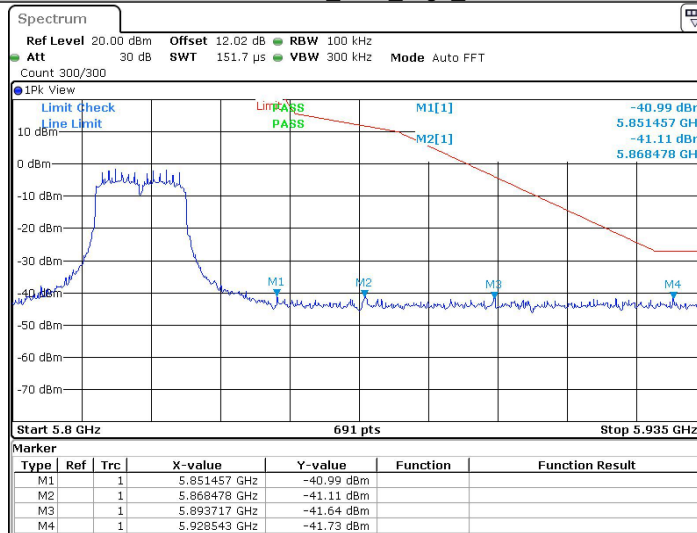
Date: 12 SEP. 2023 15:36:04

11N20SISO\_Ant2\_Low\_5745



Date: 12.SEP.2023 15:46:09

11N20SISO\_Ant2\_High\_5825



Date: 12.SEP.2023 15:50:35

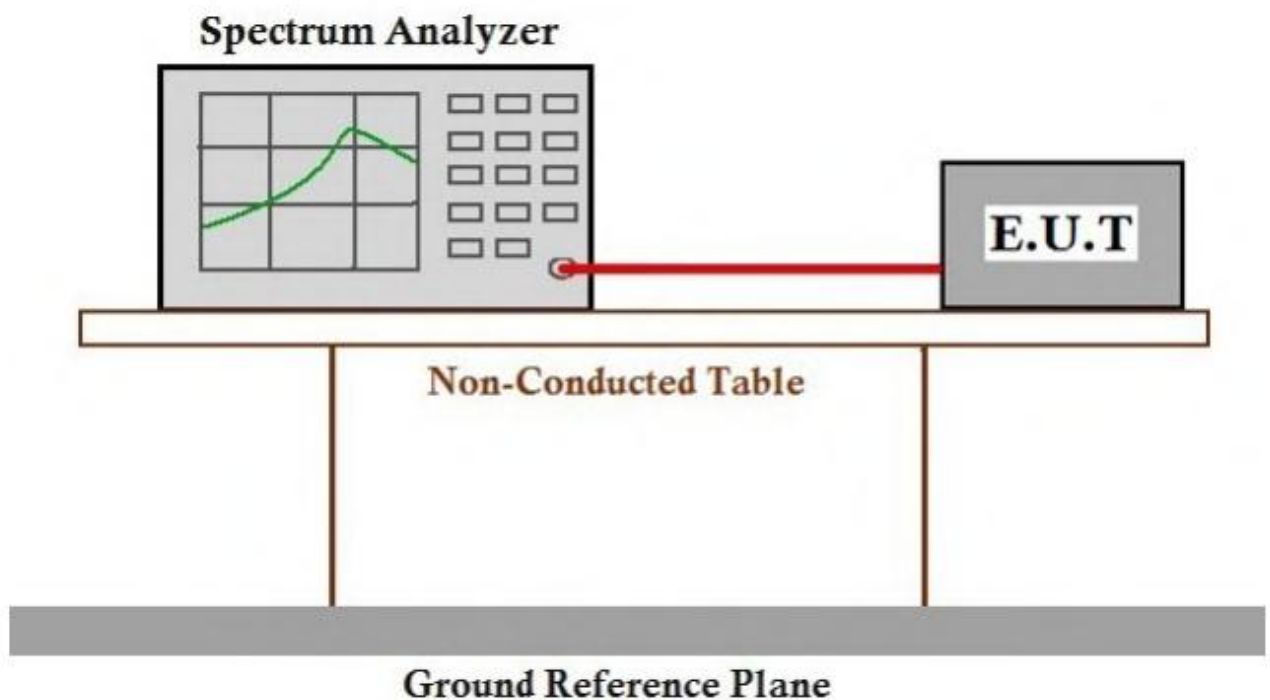
## Appendix E): Frequency Stability

Test Requirement 47 CFR Part 15, Subpart C 15.407 (g)

Test Method: ANSI C63.10 (2013) Section 6.8

Limit: The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

### Test Setup Diagram



Measurement Data

| TestMode  | Antenna | Freq(MHz) | Voltage       |                  |  | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-----------|---------|-----------|---------------|------------------|--|----------------|-----------------|-------------|---------|
|           |         |           | Voltage [Vdc] | Temperature (°C) |  |                |                 |             |         |
| 11A       | Ant1    | 5180      | NV            | NT               |  | -33000.00      | -6.370656       | 20          | PASS    |
|           |         |           | LV            | NT               |  | -33000.00      | -6.370656       | 20          | PASS    |
|           |         |           | HV            | NT               |  | -33000.00      | -6.370656       | 20          | PASS    |
|           |         | 5200      | NV            | NT               |  | -33000.00      | -6.346154       | 20          | PASS    |
|           |         |           | LV            | NT               |  | -33000.00      | -6.346154       | 20          | PASS    |
|           |         |           | HV            | NT               |  | -33000.00      | -6.346154       | 20          | PASS    |
|           |         | 5240      | NV            | NT               |  | -33000.00      | -6.297710       | 20          | PASS    |
|           |         |           | LV            | NT               |  | -33000.00      | -6.297710       | 20          | PASS    |
|           |         |           | HV            | NT               |  | -33000.00      | -6.297710       | 20          | PASS    |
|           |         | 5745      | NV            | NT               |  | -35000.00      | -6.092254       | 20          | PASS    |
|           |         |           | LV            | NT               |  | -36000.00      | -6.266319       | 20          | PASS    |
|           |         |           | HV            | NT               |  | -36000.00      | -6.266319       | 20          | PASS    |
|           |         | 5785      | NV            | NT               |  | -36000.00      | -6.222990       | 20          | PASS    |
|           |         |           | LV            | NT               |  | -37000.00      | -6.395851       | 20          | PASS    |
|           |         |           | HV            | NT               |  | -37000.00      | -6.395851       | 20          | PASS    |
|           |         | 5825      | NV            | NT               |  | -38000.00      | -6.523605       | 20          | PASS    |
|           |         |           | LV            | NT               |  | -37000.00      | -6.351931       | 20          | PASS    |
|           |         |           | HV            | NT               |  | -38000.00      | -6.523605       | 20          | PASS    |
| 11N20SISO | Ant1    | 5180      | NV            | NT               |  | -33000.00      | -6.370656       | 20          | PASS    |
|           |         |           | LV            | NT               |  | -33000.00      | -6.370656       | 20          | PASS    |
|           |         |           | HV            | NT               |  | -33000.00      | -6.370656       | 20          | PASS    |
|           |         | 5200      | NV            | NT               |  | -33000.00      | -6.346154       | 20          | PASS    |
|           |         |           | LV            | NT               |  | -34000.00      | -6.538462       | 20          | PASS    |
|           |         |           | HV            | NT               |  | -33000.00      | -6.346154       | 20          | PASS    |
|           |         | 5240      | NV            | NT               |  | -33000.00      | -6.297710       | 20          | PASS    |
|           |         |           | LV            | NT               |  | -33000.00      | -6.297710       | 20          | PASS    |
|           |         |           | HV            | NT               |  | -33000.00      | -6.297710       | 20          | PASS    |
|           |         | 5745      | NV            | NT               |  | -42000.00      | -7.310705       | 20          | PASS    |
|           |         |           | LV            | NT               |  | -42000.00      | -7.310705       | 20          | PASS    |
|           |         |           | HV            | NT               |  | -42000.00      | -7.310705       | 20          | PASS    |
|           |         | 5785      | NV            | NT               |  | -42000.00      | -7.260156       | 20          | PASS    |
|           |         |           | LV            | NT               |  | -42000.00      | -7.260156       | 20          | PASS    |
|           |         |           | HV            | NT               |  | -42000.00      | -7.260156       | 20          | PASS    |

|  |  |      |    |    |           |           |    |      |
|--|--|------|----|----|-----------|-----------|----|------|
|  |  | 5825 | NV | NT | -43000.00 | -7.381974 | 20 | PASS |
|  |  |      | LV | NT | -43000.00 | -7.381974 | 20 | PASS |
|  |  |      | HV | NT | -43000.00 | -7.381974 | 20 | PASS |

| Temperature |         |           |               |                  |                |                 |             |         |
|-------------|---------|-----------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode    | Antenna | Freq(MHz) | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11A         | Ant1    | 5180      | NV            | -30              | -33000.00      | -6.370656       | 20          | PASS    |
|             |         |           | NV            | -20              | -33000.00      | -6.370656       | 20          | PASS    |
|             |         |           | NV            | -10              | -33000.00      | -6.370656       | 20          | PASS    |
|             |         |           | NV            | 0                | -33000.00      | -6.370656       | 20          | PASS    |
|             |         |           | NV            | 10               | -33000.00      | -6.370656       | 20          | PASS    |
|             |         |           | NV            | 20               | -33000.00      | -6.370656       | 20          | PASS    |
|             |         |           | NV            | 30               | -33000.00      | -6.370656       | 20          | PASS    |
|             |         |           | NV            | 40               | -33000.00      | -6.370656       | 20          | PASS    |
|             |         |           | NV            | 50               | -33000.00      | -6.370656       | 20          | PASS    |
|             |         | 5200      | NV            | -30              | -33000.00      | -6.346154       | 20          | PASS    |
|             |         |           | NV            | -20              | -33000.00      | -6.346154       | 20          | PASS    |
|             |         |           | NV            | -10              | -33000.00      | -6.346154       | 20          | PASS    |
|             |         |           | NV            | 0                | -33000.00      | -6.346154       | 20          | PASS    |
|             |         |           | NV            | 10               | -33000.00      | -6.346154       | 20          | PASS    |
|             |         |           | NV            | 20               | -33000.00      | -6.346154       | 20          | PASS    |
|             |         |           | NV            | 30               | -33000.00      | -6.346154       | 20          | PASS    |
|             |         |           | NV            | 40               | -33000.00      | -6.346154       | 20          | PASS    |
|             |         |           | NV            | 50               | -33000.00      | -6.346154       | 20          | PASS    |
|             |         | 5240      | NV            | -30              | -33000.00      | -6.297710       | 20          | PASS    |
|             |         |           | NV            | -20              | -34000.00      | -6.488550       | 20          | PASS    |
|             |         |           | NV            | -10              | -34000.00      | -6.488550       | 20          | PASS    |
|             |         |           | NV            | 0                | -33000.00      | -6.297710       | 20          | PASS    |
|             |         |           | NV            | 10               | -34000.00      | -6.488550       | 20          | PASS    |
|             |         |           | NV            | 20               | -34000.00      | -6.488550       | 20          | PASS    |
|             |         |           | NV            | 30               | -34000.00      | -6.488550       | 20          | PASS    |
|             |         |           | NV            | 40               | -34000.00      | -6.488550       | 20          | PASS    |
|             |         |           | NV            | 50               | -33000.00      | -6.297710       | 20          | PASS    |
|             |         | 5745      | NV            | -30              | -37000.00      | -6.440383       | 20          | PASS    |
|             |         |           | NV            | -20              | -37000.00      | -6.440383       | 20          | PASS    |
|             |         |           | NV            | -10              | -37000.00      | -6.440383       | 20          | PASS    |

|           |      |      |    |     |           |           |    |      |
|-----------|------|------|----|-----|-----------|-----------|----|------|
|           |      |      | NV | 0   | -37000.00 | -6.440383 | 20 | PASS |
|           |      |      | NV | 10  | -37000.00 | -6.440383 | 20 | PASS |
|           |      |      | NV | 20  | -37000.00 | -6.440383 | 20 | PASS |
|           |      |      | NV | 30  | -37000.00 | -6.440383 | 20 | PASS |
|           |      |      | NV | 40  | -37000.00 | -6.440383 | 20 | PASS |
|           |      |      | NV | 50  | -37000.00 | -6.440383 | 20 | PASS |
|           |      | 5785 | NV | -30 | -37000.00 | -6.395851 | 20 | PASS |
|           |      |      | NV | -20 | -37000.00 | -6.395851 | 20 | PASS |
|           |      |      | NV | -10 | -37000.00 | -6.395851 | 20 | PASS |
|           |      |      | NV | 0   | -37000.00 | -6.395851 | 20 | PASS |
|           |      |      | NV | 10  | -37000.00 | -6.395851 | 20 | PASS |
|           |      |      | NV | 20  | -37000.00 | -6.395851 | 20 | PASS |
|           |      |      | NV | 30  | -37000.00 | -6.395851 | 20 | PASS |
|           |      |      | NV | 40  | -37000.00 | -6.395851 | 20 | PASS |
|           |      |      | NV | 50  | -37000.00 | -6.395851 | 20 | PASS |
|           |      | 5825 | NV | -30 | -38000.00 | -6.523605 | 20 | PASS |
|           |      |      | NV | -20 | -38000.00 | -6.523605 | 20 | PASS |
|           |      |      | NV | -10 | -38000.00 | -6.523605 | 20 | PASS |
|           |      |      | NV | 0   | -38000.00 | -6.523605 | 20 | PASS |
|           |      |      | NV | 10  | -38000.00 | -6.523605 | 20 | PASS |
|           |      |      | NV | 20  | -38000.00 | -6.523605 | 20 | PASS |
|           |      |      | NV | 30  | -38000.00 | -6.523605 | 20 | PASS |
|           |      |      | NV | 40  | -38000.00 | -6.523605 | 20 | PASS |
|           |      |      | NV | 50  | -38000.00 | -6.523605 | 20 | PASS |
| 11N20SISO | Ant1 | 5180 | NV | -30 | -33000.00 | -6.370656 | 20 | PASS |
|           |      |      | NV | -20 | -33000.00 | -6.370656 | 20 | PASS |
|           |      |      | NV | -10 | -33000.00 | -6.370656 | 20 | PASS |
|           |      |      | NV | 0   | -33000.00 | -6.370656 | 20 | PASS |
|           |      |      | NV | 10  | -34000.00 | -6.563707 | 20 | PASS |
|           |      |      | NV | 20  | -34000.00 | -6.563707 | 20 | PASS |
|           |      |      | NV | 30  | -33000.00 | -6.370656 | 20 | PASS |
|           |      |      | NV | 40  | -34000.00 | -6.563707 | 20 | PASS |
|           |      |      | NV | 50  | -34000.00 | -6.563707 | 20 | PASS |
|           |      | 5200 | NV | -30 | -34000.00 | -6.538462 | 20 | PASS |
|           |      |      | NV | -20 | -33000.00 | -6.346154 | 20 | PASS |
|           |      |      | NV | -10 | -33000.00 | -6.346154 | 20 | PASS |
|           |      |      | NV | 0   | -34000.00 | -6.538462 | 20 | PASS |

|  |  |      |    |     |           |           |    |      |
|--|--|------|----|-----|-----------|-----------|----|------|
|  |  |      | NV | 10  | -33000.00 | -6.346154 | 20 | PASS |
|  |  |      | NV | 20  | -34000.00 | -6.538462 | 20 | PASS |
|  |  |      | NV | 30  | -34000.00 | -6.538462 | 20 | PASS |
|  |  |      | NV | 40  | -34000.00 | -6.538462 | 20 | PASS |
|  |  |      | NV | 50  | -33000.00 | -6.346154 | 20 | PASS |
|  |  | 5240 | NV | -30 | -34000.00 | -6.488550 | 20 | PASS |
|  |  |      | NV | -20 | -34000.00 | -6.488550 | 20 | PASS |
|  |  |      | NV | -10 | -33000.00 | -6.297710 | 20 | PASS |
|  |  |      | NV | 0   | -34000.00 | -6.488550 | 20 | PASS |
|  |  |      | NV | 10  | -33000.00 | -6.297710 | 20 | PASS |
|  |  |      | NV | 20  | -34000.00 | -6.488550 | 20 | PASS |
|  |  |      | NV | 30  | -34000.00 | -6.488550 | 20 | PASS |
|  |  |      | NV | 40  | -34000.00 | -6.488550 | 20 | PASS |
|  |  |      | NV | 50  | -34000.00 | -6.488550 | 20 | PASS |
|  |  | 5745 | NV | -30 | -42000.00 | -7.310705 | 20 | PASS |
|  |  |      | NV | -20 | -43000.00 | -7.484769 | 20 | PASS |
|  |  |      | NV | -10 | -42000.00 | -7.310705 | 20 | PASS |
|  |  |      | NV | 0   | -42000.00 | -7.310705 | 20 | PASS |
|  |  |      | NV | 10  | -42000.00 | -7.310705 | 20 | PASS |
|  |  |      | NV | 20  | -42000.00 | -7.310705 | 20 | PASS |
|  |  |      | NV | 30  | -43000.00 | -7.484769 | 20 | PASS |
|  |  |      | NV | 40  | -42000.00 | -7.310705 | 20 | PASS |
|  |  |      | NV | 50  | -42000.00 | -7.310705 | 20 | PASS |
|  |  | 5785 | NV | -30 | -42000.00 | -7.260156 | 20 | PASS |
|  |  |      | NV | -20 | -43000.00 | -7.433016 | 20 | PASS |
|  |  |      | NV | -10 | -42000.00 | -7.260156 | 20 | PASS |
|  |  |      | NV | 0   | -43000.00 | -7.433016 | 20 | PASS |
|  |  |      | NV | 10  | -42000.00 | -7.260156 | 20 | PASS |
|  |  |      | NV | 20  | -43000.00 | -7.433016 | 20 | PASS |
|  |  |      | NV | 30  | -43000.00 | -7.433016 | 20 | PASS |
|  |  |      | NV | 40  | -42000.00 | -7.260156 | 20 | PASS |
|  |  |      | NV | 50  | -42000.00 | -7.260156 | 20 | PASS |
|  |  | 5825 | NV | -30 | -43000.00 | -7.381974 | 20 | PASS |
|  |  |      | NV | -20 | -43000.00 | -7.381974 | 20 | PASS |
|  |  |      | NV | -10 | -43000.00 | -7.381974 | 20 | PASS |
|  |  |      | NV | 0   | -43000.00 | -7.381974 | 20 | PASS |
|  |  |      | NV | 10  | -43000.00 | -7.381974 | 20 | PASS |

|  |  |  |    |    |           |           |    |      |
|--|--|--|----|----|-----------|-----------|----|------|
|  |  |  | NV | 20 | -43000.00 | -7.381974 | 20 | PASS |
|  |  |  | NV | 30 | -43000.00 | -7.381974 | 20 | PASS |
|  |  |  | NV | 40 | -43000.00 | -7.381974 | 20 | PASS |
|  |  |  | NV | 50 | -43000.00 | -7.381974 | 20 | PASS |

| Voltage   |         |           |               |                  |                |                 |             |         |
|-----------|---------|-----------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode  | Antenna | Freq(MHz) | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11A       | Ant2    | 5180      | NV            | NT               | -33000.00      | -6.370656       | 20          | PASS    |
|           |         |           | LV            | NT               | -33000.00      | -6.370656       | 20          | PASS    |
|           |         |           | HV            | NT               | -33000.00      | -6.370656       | 20          | PASS    |
|           |         | 5200      | NV            | NT               | -33000.00      | -6.346154       | 20          | PASS    |
|           |         |           | LV            | NT               | -34000.00      | -6.538462       | 20          | PASS    |
|           |         |           | HV            | NT               | -34000.00      | -6.538462       | 20          | PASS    |
|           |         | 5240      | NV            | NT               | -34000.00      | -6.488550       | 20          | PASS    |
|           |         |           | LV            | NT               | -35000.00      | -6.679389       | 20          | PASS    |
|           |         |           | HV            | NT               | -34000.00      | -6.488550       | 20          | PASS    |
|           |         | 5745      | NV            | NT               | -38000.00      | -6.614447       | 20          | PASS    |
|           |         |           | LV            | NT               | -38000.00      | -6.614447       | 20          | PASS    |
|           |         |           | HV            | NT               | -37000.00      | -6.440383       | 20          | PASS    |
|           |         | 5785      | NV            | NT               | -38000.00      | -6.568712       | 20          | PASS    |
|           |         |           | LV            | NT               | -38000.00      | -6.568712       | 20          | PASS    |
|           |         |           | HV            | NT               | -38000.00      | -6.568712       | 20          | PASS    |
|           |         | 5825      | NV            | NT               | -39000.00      | -6.695279       | 20          | PASS    |
|           |         |           | LV            | NT               | -38000.00      | -6.523605       | 20          | PASS    |
|           |         |           | HV            | NT               | -38000.00      | -6.523605       | 20          | PASS    |
| 11N20SISO | Ant2    | 5180      | NV            | NT               | -34000.00      | -6.563707       | 20          | PASS    |
|           |         |           | LV            | NT               | -34000.00      | -6.563707       | 20          | PASS    |
|           |         |           | HV            | NT               | -34000.00      | -6.563707       | 20          | PASS    |
|           |         | 5200      | NV            | NT               | -34000.00      | -6.538462       | 20          | PASS    |
|           |         |           | LV            | NT               | -34000.00      | -6.538462       | 20          | PASS    |
|           |         |           | HV            | NT               | -34000.00      | -6.538462       | 20          | PASS    |
|           |         | 5240      | NV            | NT               | -34000.00      | -6.488550       | 20          | PASS    |
|           |         |           | LV            | NT               | -34000.00      | -6.488550       | 20          | PASS    |
|           |         |           | HV            | NT               | -34000.00      | -6.488550       | 20          | PASS    |
|           |         | 5745      | NV            | NT               | -31000.00      | -5.395997       | 20          | PASS    |
|           |         |           | LV            | NT               | -33000.00      | -5.744125       | 20          | PASS    |

|  |  |      |    |    |           |           |    |      |
|--|--|------|----|----|-----------|-----------|----|------|
|  |  | 5785 | HV | NT | -33000.00 | -5.744125 | 20 | PASS |
|  |  |      | NV | NT | -37000.00 | -6.395851 | 20 | PASS |
|  |  |      | LV | NT | -37000.00 | -6.395851 | 20 | PASS |
|  |  |      | HV | NT | -38000.00 | -6.568712 | 20 | PASS |
|  |  | 5825 | NV | NT | -38000.00 | -6.523605 | 20 | PASS |
|  |  |      | LV | NT | -38000.00 | -6.523605 | 20 | PASS |
|  |  |      | HV | NT | -38000.00 | -6.523605 | 20 | PASS |
|  |  |      |    |    |           |           |    |      |

## 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 External antenna with ipex connector. The best case gain of the 5G WiFi antenna is  
ANT1:0.18dBi@5GHz: Wi-Fi: U-NII-1, -0.14dBi@5GHz: Wi-Fi: U-NII-3  
ANT2:0.18dBi@5GHz: Wi-Fi: U-NII-1, -0.14dBi@5GHz: Wi-Fi: U-NII-3

## 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

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ASK message transmitting from remote device 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 50Ω/50μH + 5Ω 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><tr><th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBμV)</th></tr><tr><th>Quasi-peak</th><th>Average</th></tr><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></table> <p>* The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.</p> <p>NOTE : The lower limit is applicable at the transition frequency</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Frequency range (MHz) | Limit (dBμV) |  | 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 (dBμV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
|                       | Quasi-peak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Average               |              |  |            |         |          |           |           |       |    |    |      |    |    |
| 0.15-0.5              | 66 to 56*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 56 to 46*             |              |  |            |         |          |           |           |       |    |    |      |    |    |
| 0.5-5                 | 56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 46                    |              |  |            |         |          |           |           |       |    |    |      |    |    |
| 5-30                  | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50                    |              |  |            |         |          |           |           |       |    |    |      |    |    |

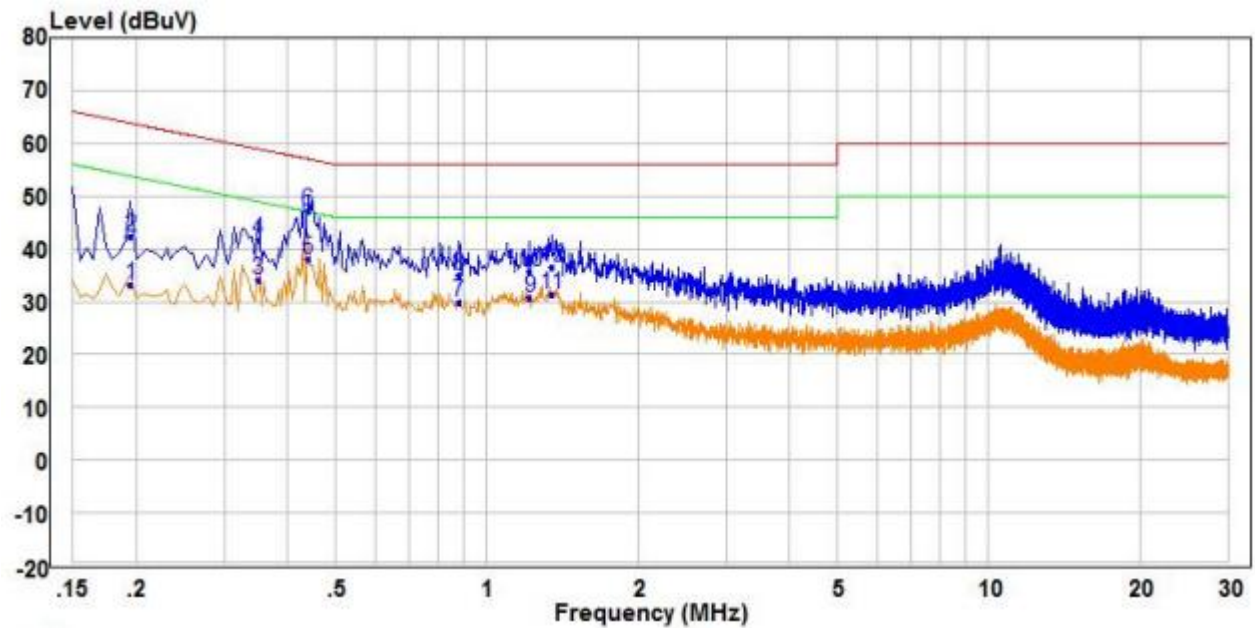
### Measurement Data

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.

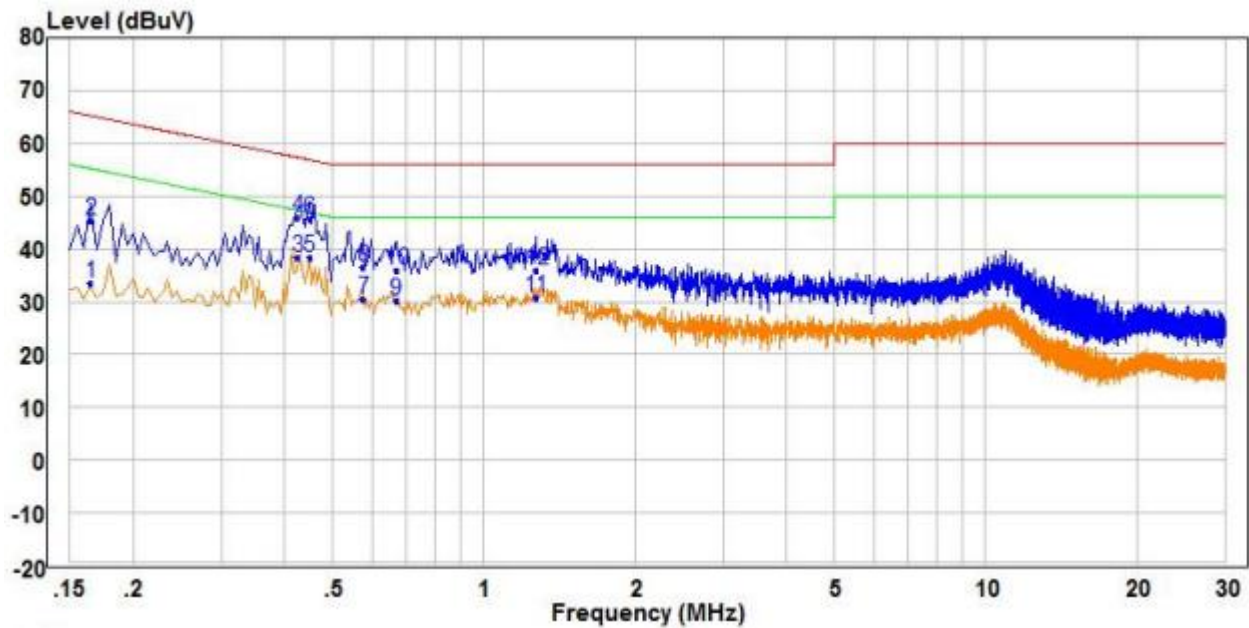
Ant1:

Live line:



|      | Freq  | Read Level | Factor | Level | Limit Line | Over Limit | Remark  | Pol/Phase |
|------|-------|------------|--------|-------|------------|------------|---------|-----------|
|      | MHz   | dBuV       | dB     | dBuV  | dBuV       | dB         |         |           |
| 1    | 0.195 | 23.71      | 9.62   | 33.33 | 53.82      | -20.49     | Average | Line      |
| 2    | 0.195 | 32.85      | 9.62   | 42.47 | 63.82      | -21.35     | QP      | Line      |
| 3    | 0.350 | 24.42      | 9.55   | 33.97 | 48.96      | -14.99     | Average | Line      |
| 4    | 0.350 | 32.17      | 9.55   | 41.72 | 58.96      | -17.24     | QP      | Line      |
| 5 PP | 0.440 | 28.41      | 9.65   | 38.06 | 47.06      | -9.00      | Average | Line      |
| 6 QP | 0.440 | 37.39      | 9.65   | 47.04 | 57.06      | -10.02     | QP      | Line      |
| 7    | 0.880 | 20.03      | 9.78   | 29.81 | 46.00      | -16.19     | Average | Line      |
| 8    | 0.880 | 25.26      | 9.78   | 35.04 | 56.00      | -20.96     | QP      | Line      |
| 9    | 1.220 | 20.38      | 10.26  | 30.64 | 46.00      | -15.36     | Average | Line      |
| 10   | 1.220 | 25.36      | 10.26  | 35.62 | 56.00      | -20.38     | QP      | Line      |
| 11   | 1.345 | 20.73      | 10.53  | 31.26 | 46.00      | -14.74     | Average | Line      |
| 12   | 1.345 | 25.91      | 10.53  | 36.44 | 56.00      | -19.56     | QP      | Line      |

Neutral line:



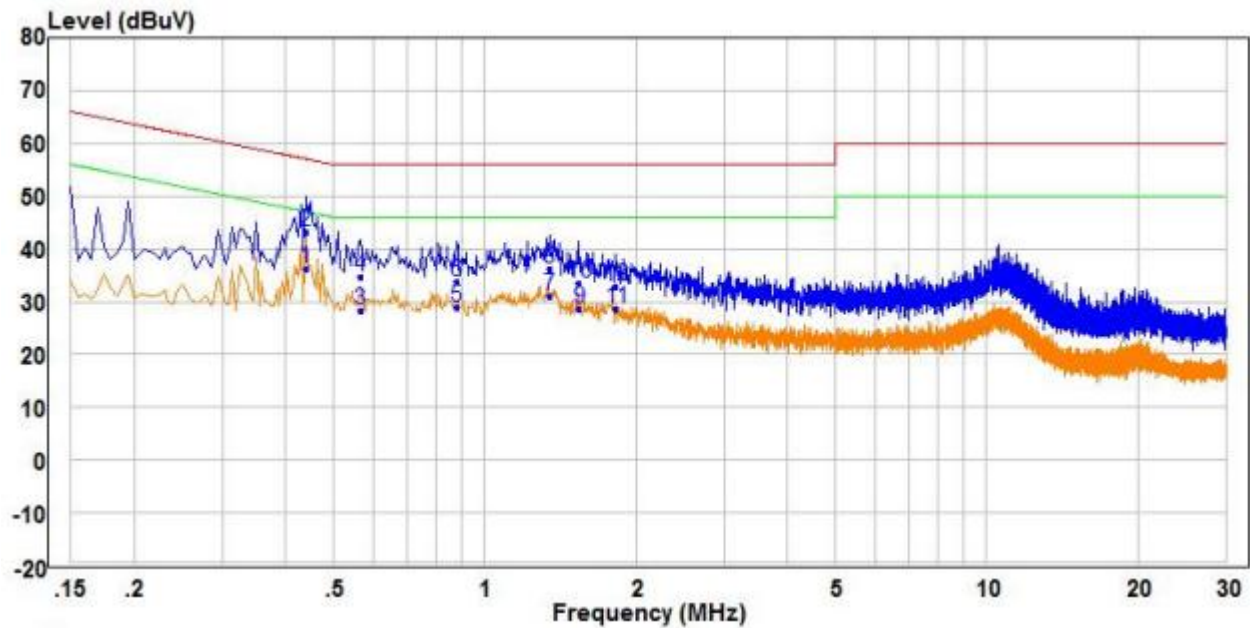
|      | Freq  | Read Level | Factor | Level | Limit Line | Over Limit | Remark  | Pol/Phase |
|------|-------|------------|--------|-------|------------|------------|---------|-----------|
|      | MHz   | dBuV       | dB     | dBuV  | dBuV       | dB         |         |           |
| 1    | 0.165 | 23.81      | 9.67   | 33.48 | 55.21      | -21.73     | Average | Neutral   |
| 2    | 0.165 | 35.67      | 9.67   | 45.34 | 65.21      | -19.87     | QP      | Neutral   |
| 3    | 0.425 | 28.87      | 9.63   | 38.50 | 47.35      | -8.85      | Average | Neutral   |
| 4    | 0.425 | 36.25      | 9.63   | 45.88 | 57.35      | -11.47     | QP      | Neutral   |
| 5 PP | 0.450 | 28.74      | 9.65   | 38.39 | 46.88      | -8.49      | Average | Neutral   |
| 6 QP | 0.450 | 35.91      | 9.65   | 45.56 | 56.88      | -11.32     | QP      | Neutral   |
| 7    | 0.575 | 20.75      | 9.78   | 30.53 | 46.00      | -15.47     | Average | Neutral   |
| 8    | 0.575 | 26.79      | 9.78   | 36.57 | 56.00      | -19.43     | QP      | Neutral   |
| 9    | 0.670 | 20.43      | 9.87   | 30.30 | 46.00      | -15.70     | Average | Neutral   |
| 10   | 0.670 | 26.11      | 9.87   | 35.98 | 56.00      | -20.02     | QP      | Neutral   |
| 11   | 1.270 | 21.09      | 9.71   | 30.80 | 46.00      | -15.20     | Average | Neutral   |
| 12   | 1.270 | 26.33      | 9.71   | 36.04 | 56.00      | -19.96     | QP      | Neutral   |

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. The 6Mbps of rate of 802.11A\_5240 is the worst case, only the worst data recorded in the report.

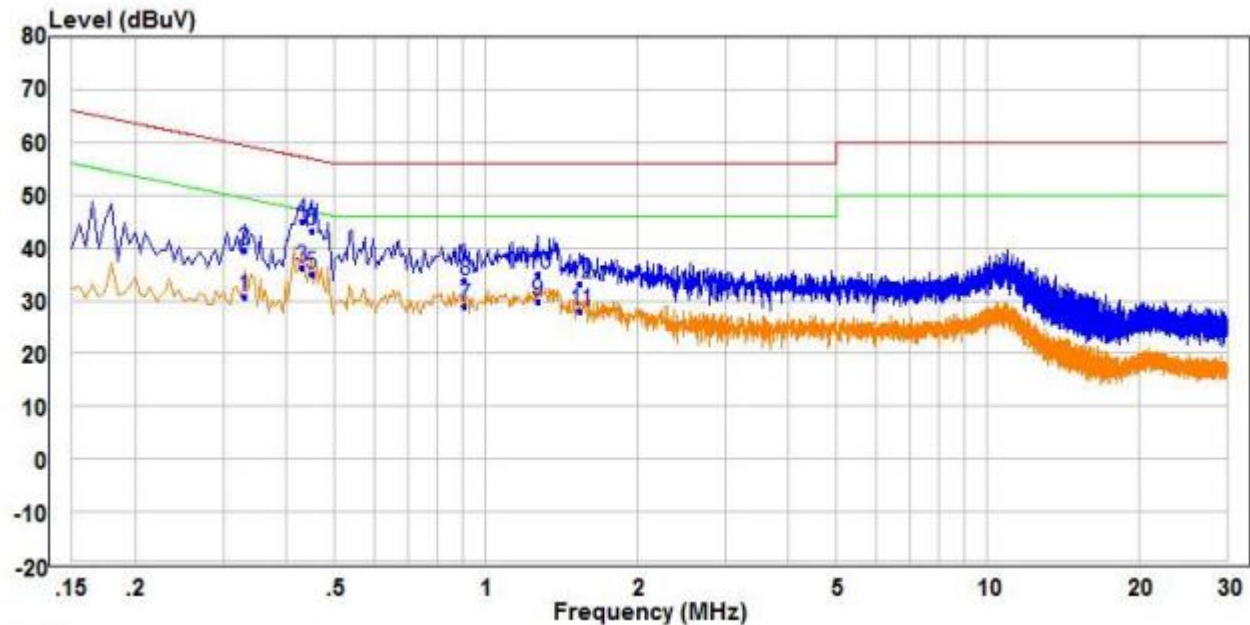
Ant2:

Live line:



|    |    | Freq  | Read<br>Level | Factor | Level | Limit<br>Line | Over<br>Limit | Remark  | Pol/Phase |
|----|----|-------|---------------|--------|-------|---------------|---------------|---------|-----------|
|    |    | MHz   | dBuV          | dB     | dBuV  | dBuV          | dB            |         |           |
| 1  | PP | 0.440 | 26.67         | 9.65   | 36.32 | 47.06         | -10.74        | Average | Line      |
| 2  | QP | 0.440 | 33.67         | 9.65   | 43.32 | 57.06         | -13.74        | QP      | Line      |
| 3  |    | 0.565 | 18.69         | 9.77   | 28.46 | 46.00         | -17.54        | Average | Line      |
| 4  |    | 0.565 | 25.01         | 9.77   | 34.78 | 56.00         | -21.22        | QP      | Line      |
| 5  |    | 0.880 | 19.08         | 9.78   | 28.86 | 46.00         | -17.14        | Average | Line      |
| 6  |    | 0.880 | 23.89         | 9.78   | 33.67 | 56.00         | -22.33        | QP      | Line      |
| 7  |    | 1.345 | 20.55         | 10.53  | 31.08 | 46.00         | -14.92        | Average | Line      |
| 8  |    | 1.345 | 25.65         | 10.53  | 36.18 | 56.00         | -19.82        | QP      | Line      |
| 9  |    | 1.540 | 17.79         | 10.91  | 28.70 | 46.00         | -17.30        | Average | Line      |
| 10 |    | 1.540 | 22.74         | 10.91  | 33.65 | 56.00         | -22.35        | QP      | Line      |
| 11 |    | 1.825 | 17.13         | 11.39  | 28.52 | 46.00         | -17.48        | Average | Line      |
| 12 |    | 1.825 | 21.56         | 11.39  | 32.95 | 56.00         | -23.05        | QP      | Line      |

Neutral line:



|      | Freq  | Read Level | Factor | Level | Limit Line | Over Limit | Remark  | Pol/Phase |
|------|-------|------------|--------|-------|------------|------------|---------|-----------|
|      | MHz   | dBuV       | dB     | dBuV  | dBuV       | dB         |         |           |
| 1    | 0.330 | 21.29      | 9.52   | 30.81 | 49.45      | -18.64     | Average | Neutral   |
| 2    | 0.330 | 30.18      | 9.52   | 39.70 | 59.45      | -19.75     | QP      | Neutral   |
| 3 PP | 0.430 | 26.67      | 9.64   | 36.31 | 47.25      | -10.94     | Average | Neutral   |
| 4 QP | 0.430 | 35.42      | 9.64   | 45.06 | 57.25      | -12.19     | QP      | Neutral   |
| 5    | 0.450 | 25.39      | 9.65   | 35.04 | 46.88      | -11.84     | Average | Neutral   |
| 6    | 0.450 | 33.71      | 9.65   | 43.36 | 56.88      | -13.52     | QP      | Neutral   |
| 7    | 0.910 | 19.19      | 9.76   | 28.95 | 46.00      | -17.05     | Average | Neutral   |
| 8    | 0.910 | 24.03      | 9.76   | 33.79 | 56.00      | -22.21     | QP      | Neutral   |
| 9    | 1.270 | 20.23      | 9.71   | 29.94 | 46.00      | -16.06     | Average | Neutral   |
| 10   | 1.270 | 25.28      | 9.71   | 34.99 | 56.00      | -21.01     | QP      | Neutral   |
| 11   | 1.545 | 18.37      | 9.73   | 28.10 | 46.00      | -17.90     | Average | Neutral   |
| 12   | 1.545 | 23.33      | 9.73   | 33.06 | 56.00      | -22.94     | QP      | Neutral   |

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. The 6Mbps of rate of 802.11A\_5240 is the worst case, only the worst data recorded in the report.

## 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:

Ant1:

| Worse case mode: |               | 802.11a(6Mbps) |                | Test channel: |        | 36            |           |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5150.00          | 52.62         | -3.63          | 48.99          | 74            | -25.01 | peak          | H         |
| 5150.00          | 36.41         | -3.63          | 32.78          | 54            | -21.22 | AVG           | H         |
| 5150.00          | 51.75         | -3.63          | 48.12          | 74            | -25.88 | peak          | V         |
| 5150.00          | 38.78         | -3.63          | 35.15          | 54            | -18.85 | AVG           | V         |

| Worse case mode: |               | 802.11a(6Mbps) |                | Test channel: |        | 48            |           |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5350.00          | 55.69         | -3.59          | 52.10          | 74            | -21.90 | peak          | H         |
| 5350.00          | 38.56         | -3.59          | 34.97          | 54            | -19.03 | AVG           | H         |
| 5350.00          | 50.88         | -3.59          | 47.29          | 74            | -26.71 | peak          | V         |
| 5350.00          | 35.54         | -3.59          | 31.95          | 54            | -22.05 | AVG           | V         |

| Worse case mode: |               | 802.11a(6Mbps) |                | Test channel: |        | 149           |           |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5725             | 51.86         | -3.44          | 48.42          | 74            | -25.58 | peak          | H         |
| 5725             | 36.26         | -3.44          | 32.82          | 54            | -21.18 | AV            | H         |
| 5725             | 49.58         | -3.44          | 46.14          | 74            | -27.86 | peak          | V         |
| 5725             | 36.62         | -3.44          | 33.18          | 54            | -20.82 | AV            | V         |

| Worse case mode: |               | 802.11a(6Mbps) |                | Test channel: |        | 165           |           |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5850             | 52.78         | -3.42          | 49.36          | 74            | -24.64 | peak          | H         |
| 5850             | 36.20         | -3.42          | 32.78          | 54            | -21.22 | AV            | H         |
| 5850             | 50.19         | -3.42          | 46.77          | 74            | -27.23 | peak          | V         |
| 5850             | 36.82         | -3.42          | 33.40          | 54            | -20.60 | AV            | V         |

| Worse case mode: |               | 802.11n(HT20)(6.5Mbps) |                | Test channel: |        | 36            |           |
|------------------|---------------|------------------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor                 | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)                   | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5150.00          | 52.31         | -3.63                  | 48.68          | 74            | -25.32 | peak          | H         |
| 5150.00          | 36.63         | -3.63                  | 33.00          | 54            | -21.00 | AVG           | H         |
| 5150.00          | 50.94         | -3.63                  | 47.31          | 74            | -26.69 | peak          | V         |
| 5150.00          | 38.81         | -3.63                  | 35.18          | 54            | -18.82 | AVG           | V         |

| Worse case mode: |               | 802.11n(HT20)(6.5Mbps) |                | Test channel: |        | 48            |           |
|------------------|---------------|------------------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor                 | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)                   | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5350.00          | 54.67         | -3.59                  | 51.08          | 74            | -22.92 | peak          | H         |
| 5350.00          | 38.79         | -3.59                  | 35.20          | 54            | -18.80 | AVG           | H         |
| 5350.00          | 50.33         | -3.59                  | 46.74          | 74            | -27.26 | peak          | V         |
| 5350.00          | 35.30         | -3.59                  | 31.71          | 54            | -22.29 | AVG           | V         |

| Worse case mode: |               | 802.11n(HT20)(6.5Mbps) |                | Test channel: |        | 149           |           |
|------------------|---------------|------------------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor                 | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)                   | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5725             | 52.18         | -3.44                  | 48.74          | 74            | -25.26 | peak          | H         |
| 5725             | 37.48         | -3.44                  | 34.04          | 54            | -19.96 | AV            | H         |
| 5725             | 49.78         | -3.44                  | 46.34          | 74            | -27.66 | peak          | V         |
| 5725             | 36.27         | -3.44                  | 32.83          | 54            | -21.17 | AV            | V         |

| Worse case mode: |               | 802.11n(HT20)(6.5Mbps) |                | Test channel: |        | 165           |           |
|------------------|---------------|------------------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor                 | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)                   | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5850             | 52.50         | -3.42                  | 49.08          | 74            | -24.92 | peak          | H         |
| 5850             | 37.51         | -3.42                  | 34.09          | 54            | -19.91 | AV            | H         |
| 5850             | 49.36         | -3.42                  | 45.94          | 74            | -28.06 | peak          | V         |
| 5850             | 35.67         | -3.42                  | 32.25          | 54            | -21.75 | AV            | V         |

**Ant2:**

| Worse case mode: |               | 802.11a(6Mbps) |                | Test channel: |        | 36            |           |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5150.00          | 52.70         | -3.63          | 49.07          | 74            | -24.93 | peak          | H         |
| 5150.00          | 36.80         | -3.63          | 33.17          | 54            | -20.83 | AVG           | H         |
| 5150.00          | 52.02         | -3.63          | 48.39          | 74            | -25.61 | peak          | V         |
| 5150.00          | 37.61         | -3.63          | 33.98          | 54            | -20.02 | AVG           | V         |

| Worse case mode: |               | 802.11a(6Mbps) |                | Test channel: |        | 48            |           |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5350.00          | 55.54         | -3.59          | 51.95          | 74            | -22.05 | peak          | H         |
| 5350.00          | 39.26         | -3.59          | 35.67          | 54            | -18.33 | AVG           | H         |
| 5350.00          | 51.41         | -3.59          | 47.82          | 74            | -26.18 | peak          | V         |
| 5350.00          | 35.75         | -3.59          | 32.16          | 54            | -21.84 | AVG           | V         |

| Worse case mode: |               | 802.11a(6Mbps) |                | Test channel: |        | 149           |           |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5725             | 51.34         | -3.44          | 47.90          | 74            | -26.10 | peak          | H         |
| 5725             | 37.14         | -3.44          | 33.70          | 54            | -20.30 | AV            | H         |
| 5725             | 49.48         | -3.44          | 46.04          | 74            | -27.96 | peak          | V         |
| 5725             | 36.14         | -3.44          | 32.70          | 54            | -21.30 | AV            | V         |

| Worse case mode: |               | 802.11a(6Mbps) |                | Test channel: |        | 165           |           |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5850             | 53.27         | -3.42          | 49.85          | 74            | -24.15 | peak          | H         |
| 5850             | 37.02         | -3.42          | 33.60          | 54            | -20.40 | AV            | H         |
| 5850             | 49.32         | -3.42          | 45.90          | 74            | -28.10 | peak          | V         |
| 5850             | 36.80         | -3.42          | 33.38          | 54            | -20.62 | AV            | V         |

| Worse case mode: |               | 802.11n(HT20)(6.5Mbps) |                | Test channel: |        | 36            |           |
|------------------|---------------|------------------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor                 | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)                   | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5150.00          | 52.97         | -3.63                  | 49.34          | 74            | -24.66 | peak          | H         |
| 5150.00          | 36.50         | -3.63                  | 32.87          | 54            | -21.13 | AVG           | H         |
| 5150.00          | 52.22         | -3.63                  | 48.59          | 74            | -25.41 | peak          | V         |
| 5150.00          | 37.53         | -3.63                  | 33.90          | 54            | -20.10 | AVG           | V         |

| Worse case mode: |               | 802.11n(HT20)(6.5Mbps) |                | Test channel: |        | 48            |           |
|------------------|---------------|------------------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor                 | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)                   | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5350.00          | 54.38         | -3.59                  | 50.79          | 74            | -23.21 | peak          | H         |
| 5350.00          | 39.06         | -3.59                  | 35.47          | 54            | -18.53 | AVG           | H         |
| 5350.00          | 50.88         | -3.59                  | 47.29          | 74            | -26.71 | peak          | V         |
| 5350.00          | 36.09         | -3.59                  | 32.50          | 54            | -21.50 | AVG           | V         |

| Worse case mode: |               | 802.11n(HT20)(6.5Mbps) |                | Test channel: |        | 149           |           |
|------------------|---------------|------------------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor                 | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)                   | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5725             | 52.34         | -3.44                  | 48.90          | 74            | -25.10 | peak          | H         |
| 5725             | 36.53         | -3.44                  | 33.09          | 54            | -20.91 | AV            | H         |
| 5725             | 49.41         | -3.44                  | 45.97          | 74            | -28.03 | peak          | V         |
| 5725             | 35.91         | -3.44                  | 32.47          | 54            | -21.53 | AV            | V         |

| Worse case mode: |               | 802.11n(HT20)(6.5Mbps) |                | Test channel: |        | 165           |           |
|------------------|---------------|------------------------|----------------|---------------|--------|---------------|-----------|
| Frequency        | Meter Reading | Factor                 | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. |
| (MHz)            | (dBμV)        | (dB)                   | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       |
| 5850             | 52.80         | -3.42                  | 49.38          | 74            | -24.62 | peak          | H         |
| 5850             | 37.28         | -3.42                  | 33.86          | 54            | -20.14 | AV            | H         |
| 5850             | 49.49         | -3.42                  | 46.07          | 74            | -27.93 | peak          | V         |
| 5850             | 36.26         | -3.42                  | 32.84          | 54            | -21.16 | AV            | V         |

Note:

1) Through Pre-scan transmitting mode with all kind of modulation and data rate, 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

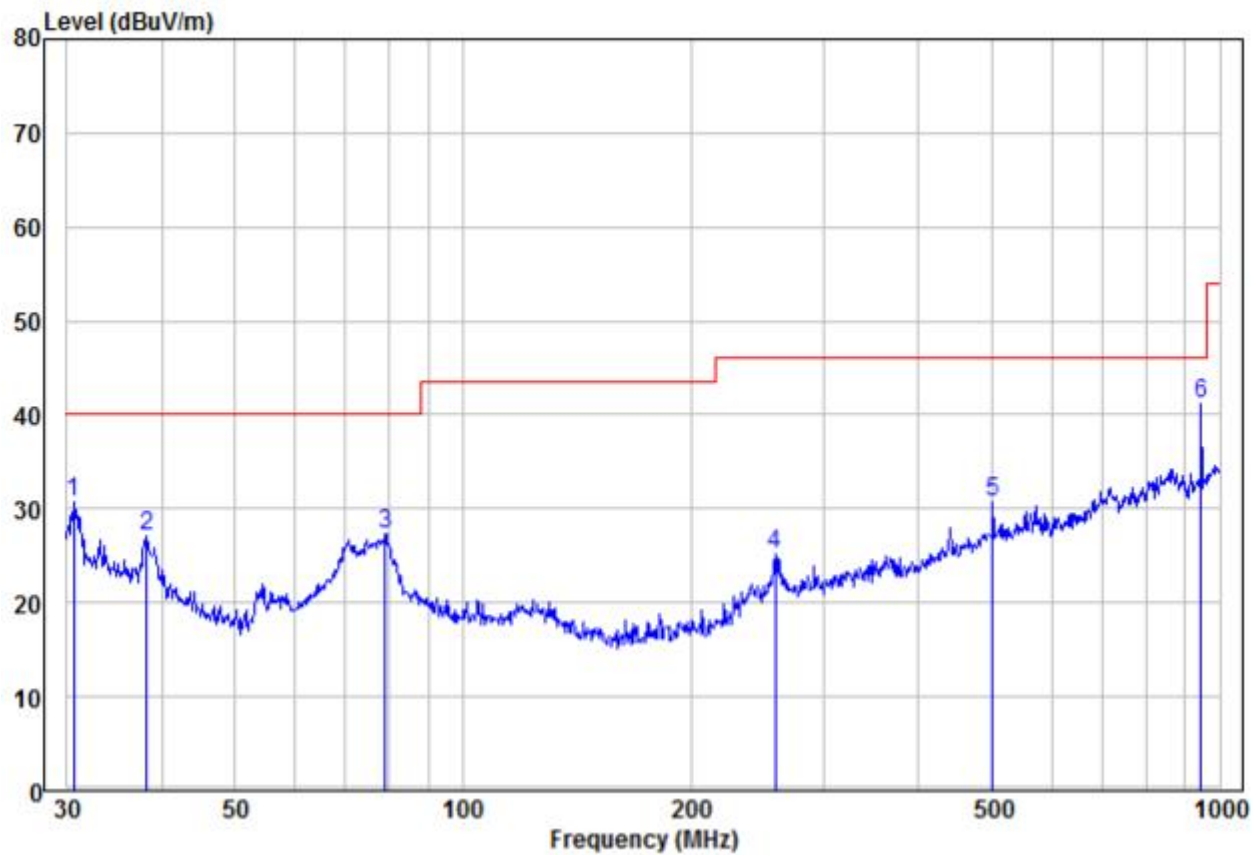
Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

## Appendix J): Radiated Spurious Emissions

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                             |                                  |                 |            |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------|------------|---------------------------|
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                             |                                  |                 |            |                           |

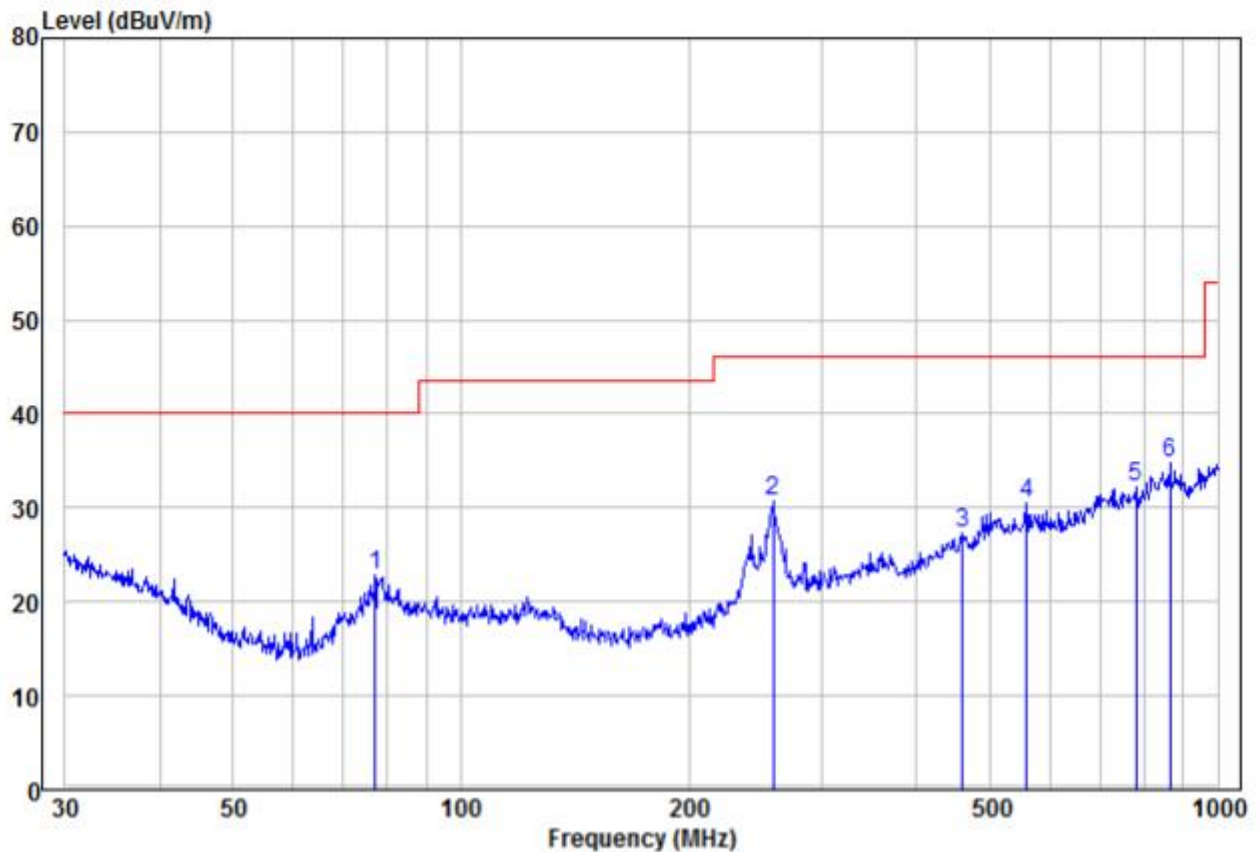
**Test Data:**  
**Radiated Emission below 1GHz**  
**ANT1:**

|            |                             |          |
|------------|-----------------------------|----------|
| 30MHz~1GHz |                             |          |
| Test mode: | Transmitting (802.11a 36CH) | Vertical |



|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase |
|------|--------|------------|--------|--------|------------|------------|--------|-----------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |           |
| 1    | 30.64  | 15.07      | 15.74  | 30.81  | 40.00      | -9.19      | Peak   | VERTICAL  |
| 2    | 38.21  | 13.57      | 13.44  | 27.01  | 40.00      | -12.99     | Peak   | VERTICAL  |
| 3    | 78.97  | 17.79      | 9.61   | 27.40  | 40.00      | -12.60     | Peak   | VERTICAL  |
| 4    | 258.33 | 12.90      | 12.36  | 25.26  | 46.00      | -20.74     | Peak   | VERTICAL  |
| 5    | 501.18 | 12.52      | 18.29  | 30.81  | 46.00      | -15.19     | Peak   | VERTICAL  |
| 6 pp | 945.44 | 17.65      | 23.62  | 41.27  | 46.00      | -4.73      | Peak   | VERTICAL  |

|            |                             |            |
|------------|-----------------------------|------------|
| Test mode: | Transmitting (802.11a 36CH) | Horizontal |
|------------|-----------------------------|------------|



|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase  |
|------|--------|------------|--------|--------|------------|------------|--------|------------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |            |
| 1    | 77.05  | 13.61      | 9.31   | 22.92  | 40.00      | -17.08     | Peak   | HORIZONTAL |
| 2    | 258.33 | 18.31      | 12.36  | 30.67  | 46.00      | -15.33     | Peak   | HORIZONTAL |
| 3    | 460.73 | 10.34      | 17.06  | 27.40  | 46.00      | -18.60     | Peak   | HORIZONTAL |
| 4    | 558.73 | 11.52      | 18.89  | 30.41  | 46.00      | -15.59     | Peak   | HORIZONTAL |
| 5    | 779.61 | 10.08      | 22.16  | 32.24  | 46.00      | -13.76     | Peak   | HORIZONTAL |
| 6 pp | 866.09 | 10.86      | 23.98  | 34.84  | 46.00      | -11.16     | Peak   | HORIZONTAL |