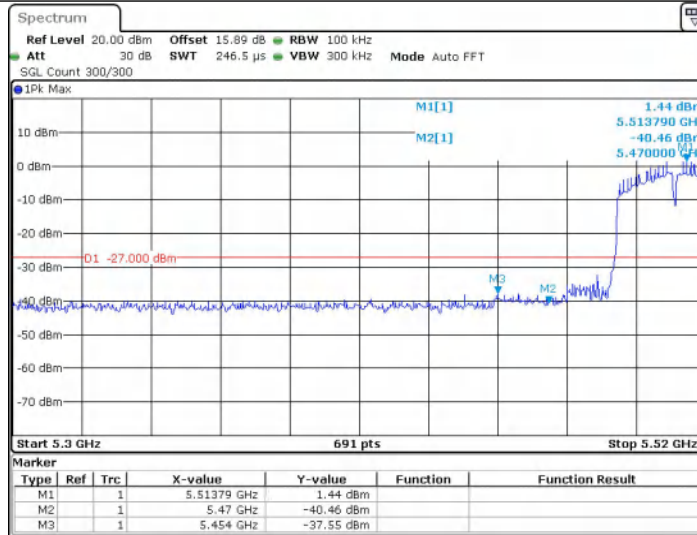
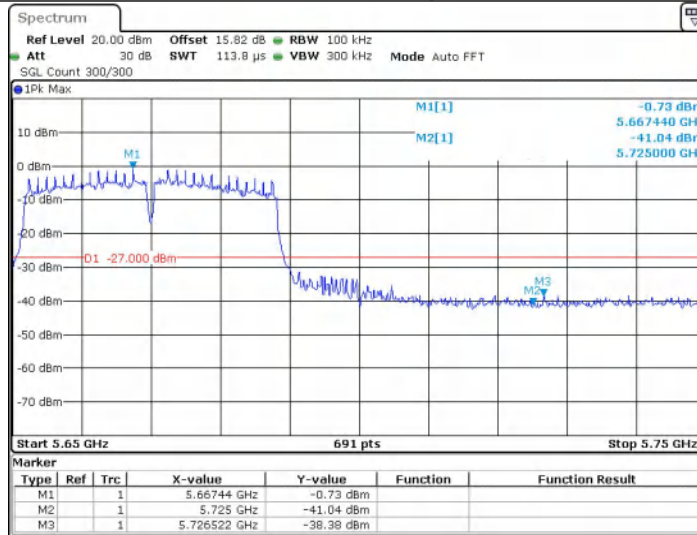


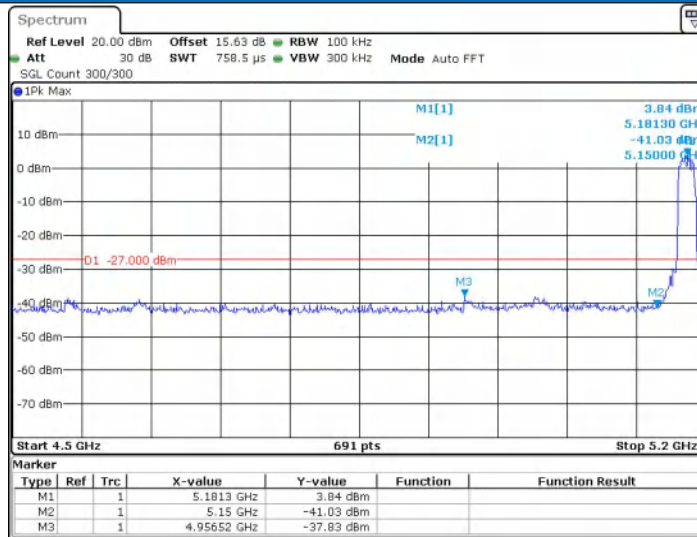
11N40SISO\_Ant1\_Low\_5510



11N40SISO\_Ant1\_High\_5670

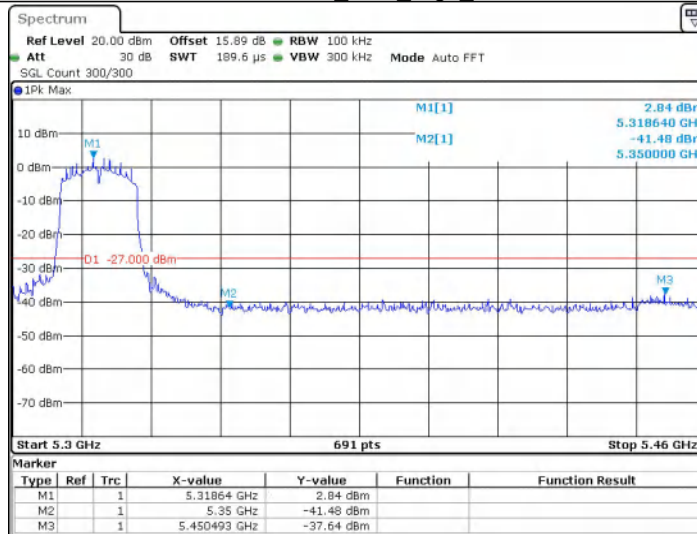


11AC20SISO\_Ant1\_Low\_5180



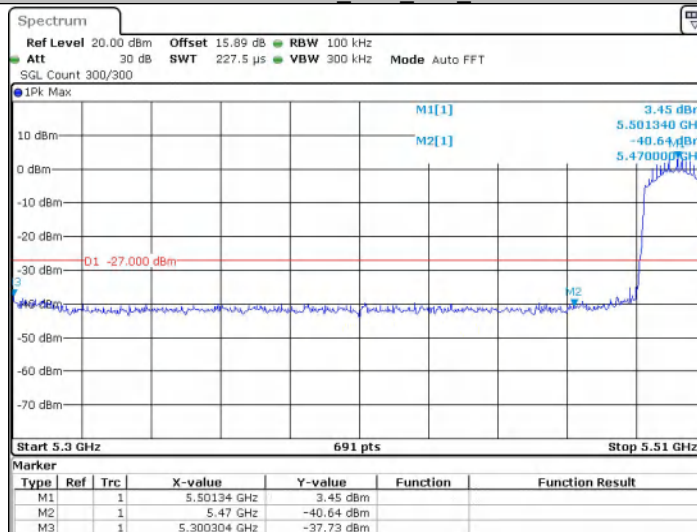
Date: 2 MAR 2026 15:52:47

### 11AC20SISO\_Ant1\_High\_5320



Date: 2 MAR 2026 16:01:16

### 11AC20SISO\_Ant1\_Low\_5500



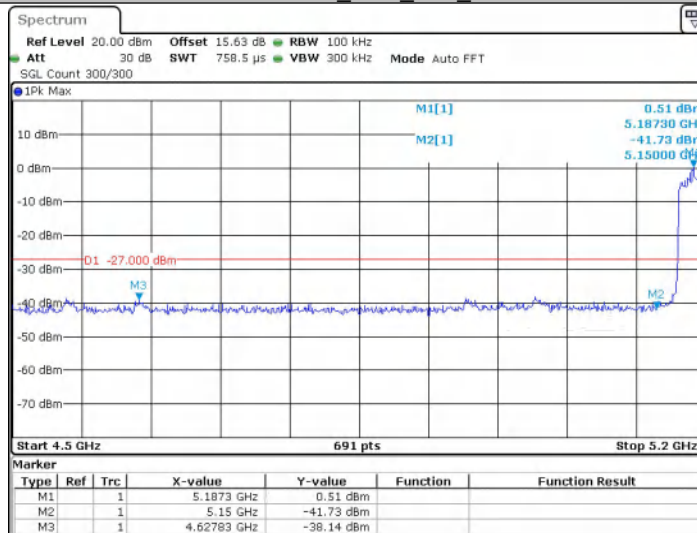
Date: 2 MAR 2026 16:05:21

11AC20SISO\_Ant1\_High\_5700



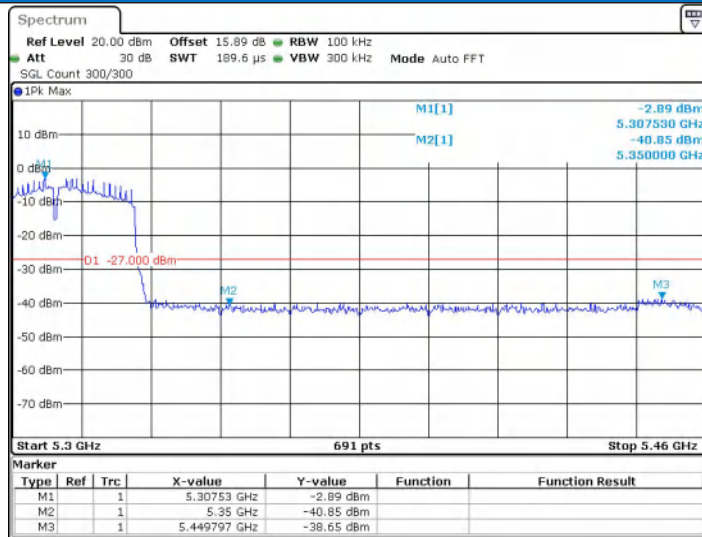
Date: 2 MAR 2026 16:30:20

11AC40SISO\_Ant1\_Low\_5190



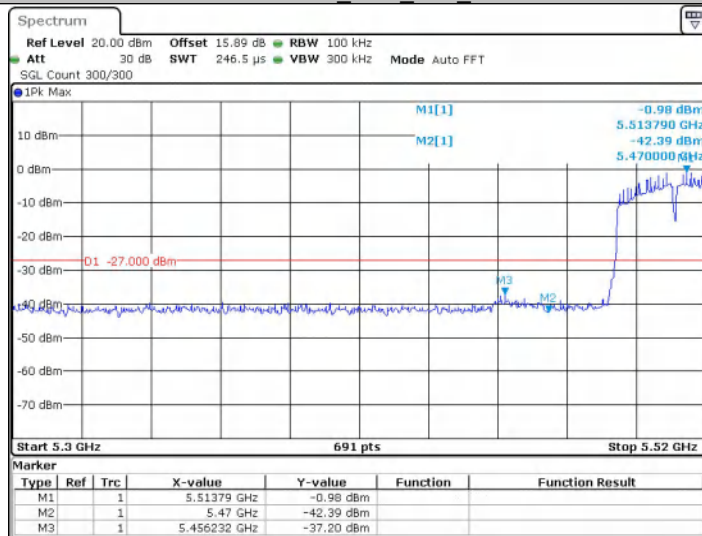
Date: 2 MAR 2026 16:38:17

11AC40SISO\_Ant1\_High\_5310



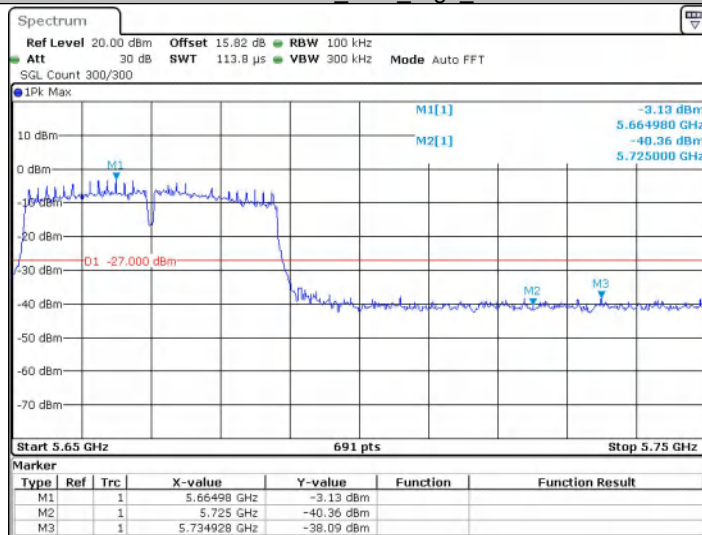
Date: 2 MAR 2026 16:48:25

### 11AC40SISO\_Ant1\_Low\_5510



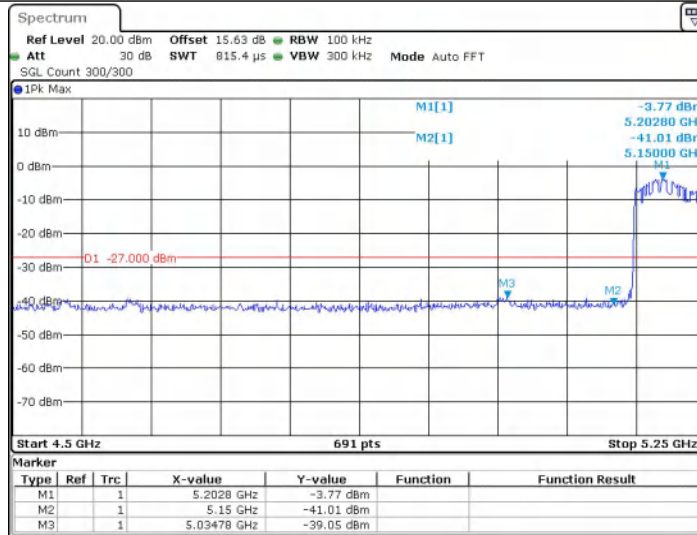
Date: 2 MAR 2026 16:49:57

### 11AC40SISO\_Ant1\_High\_5670



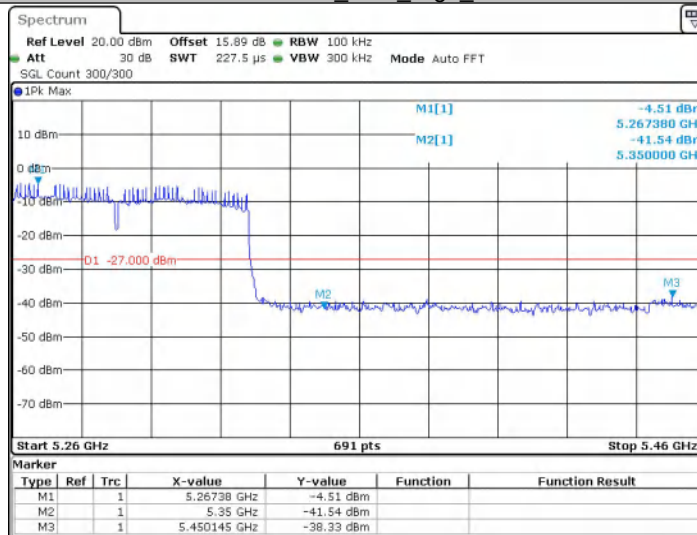
Date: 2 MAR 2026 16:53:41

11AC80SISO\_Ant1\_Low\_5210



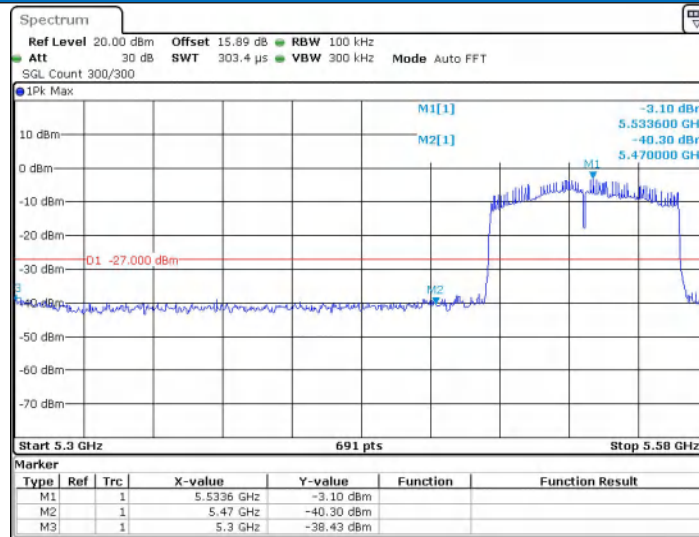
Date: 2 MAR 2026 17:06:58

11AC80SISO\_Ant1\_High\_5290



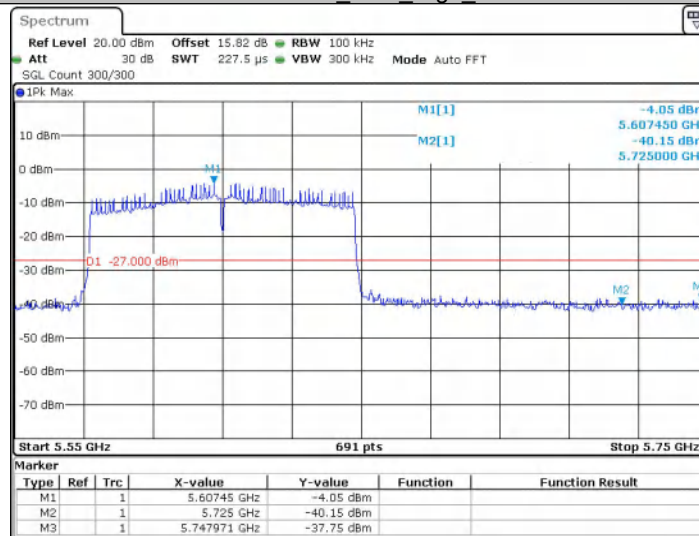
Date: 2 MAR 2026 17:15:26

11AC80SISO\_Ant1\_Low\_5530



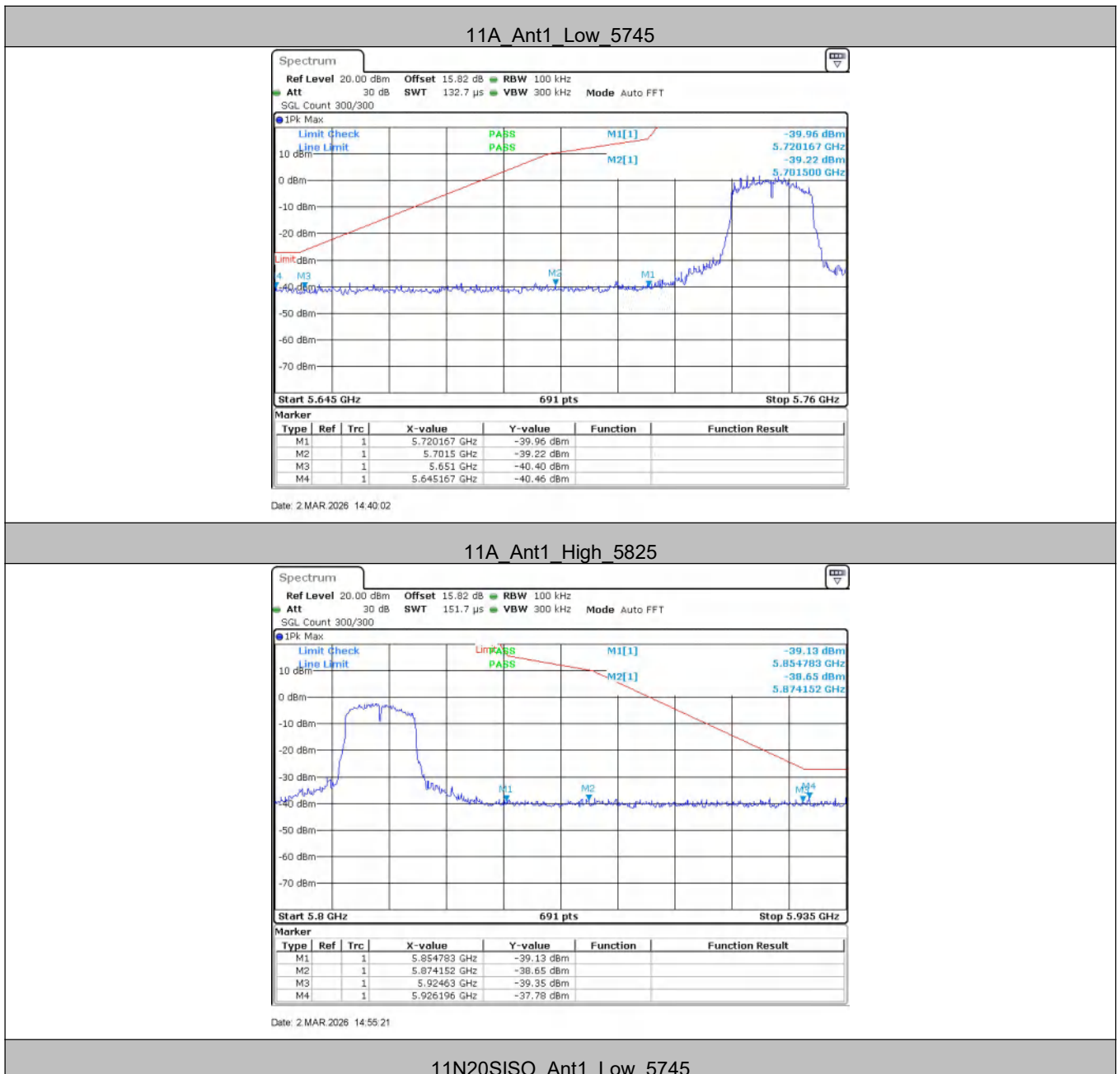
Date: 2 MAR 2026 17:18:01

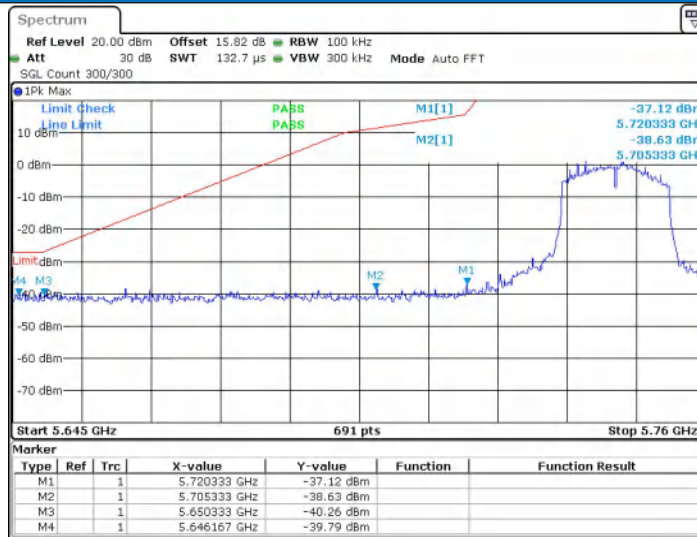
11AC80SISO\_Ant1\_High\_5610



Date: 2 MAR 2026 17:20:29

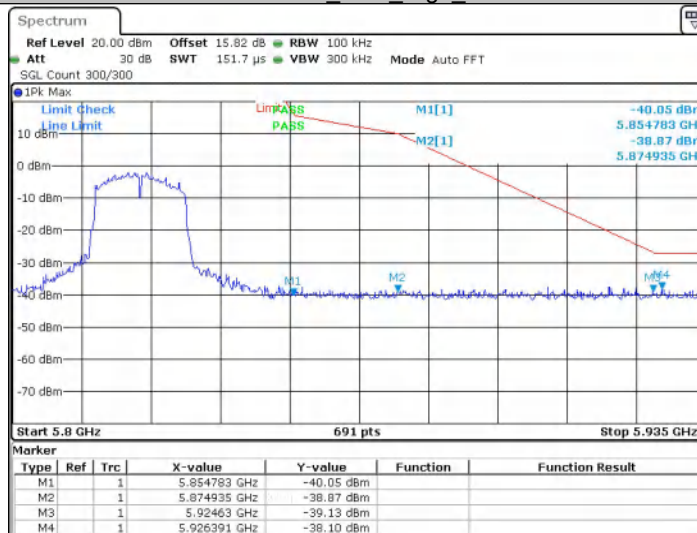
## 7.1.4 Test Graphs B4





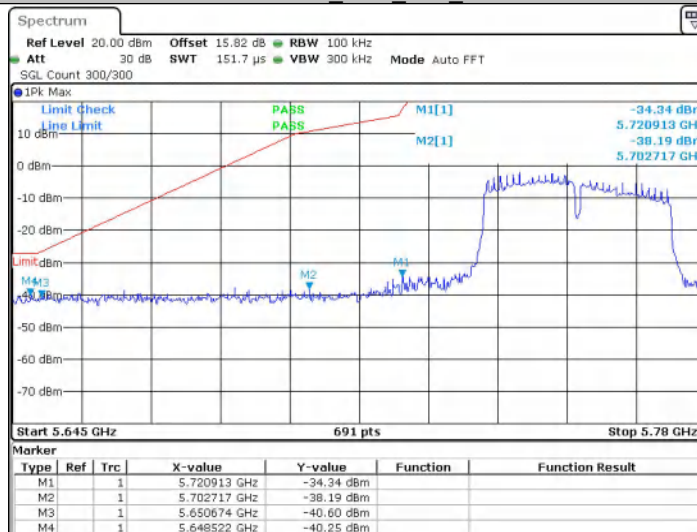
Date: 2 MAR 2026 15:24:00

### 11N20SISO\_Ant1\_High\_5825



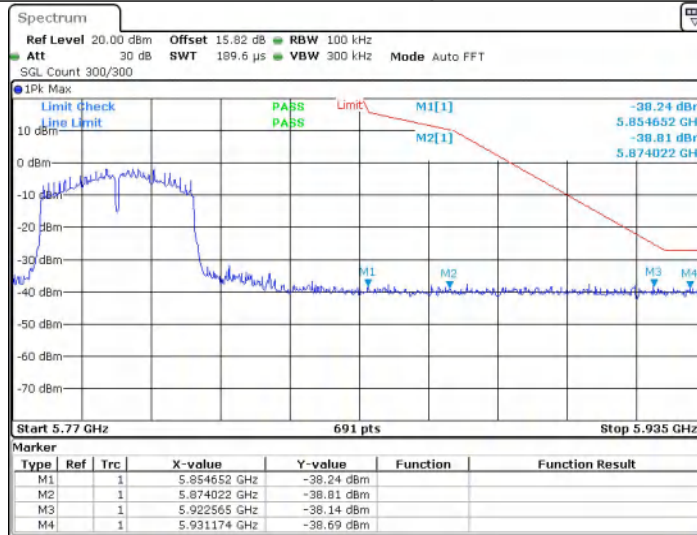
Date: 2 MAR 2026 15:26:37

### 11N40SISO\_Ant1\_Low\_5755



Date: 2 MAR 2026 15:42:31

11N40SISO\_Ant1\_High\_5795



Date: 2.MAR.2026 15:49:20

11AC20SISO\_Ant1\_Low\_5745



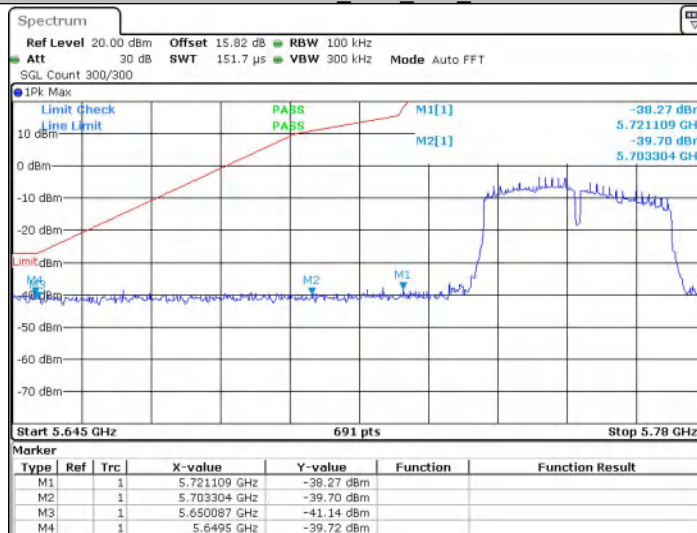
Date: 2.MAR.2026 16:32:37

11AC20SISO\_Ant1\_High\_5825



Date: 2 MAR 2026 16:36:24

### 11AC40SISO\_Ant1\_Low\_5755



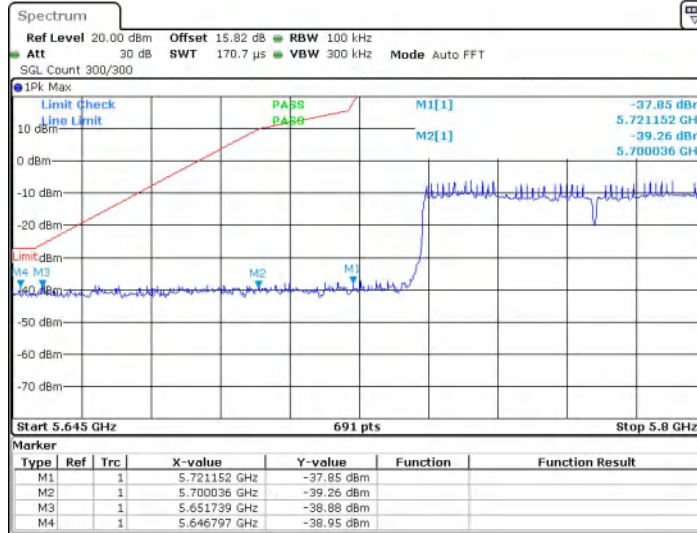
Date: 2 MAR 2026 16:58:51

### 11AC40SISO\_Ant1\_High\_5795



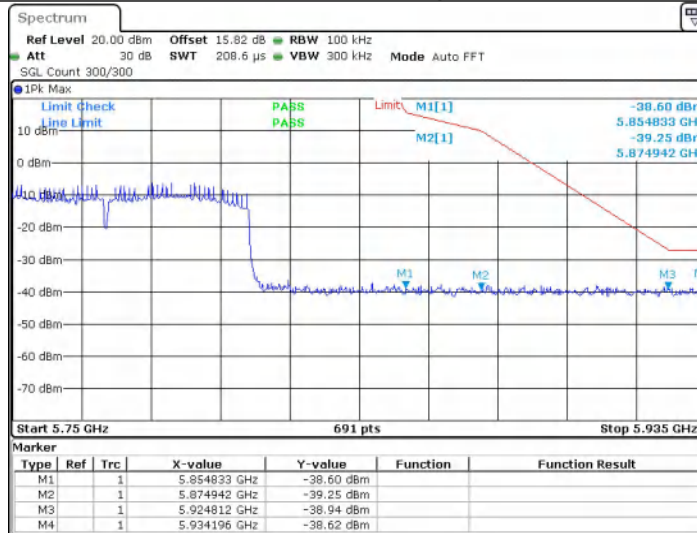
Date: 2 MAR 2026 17:04:41

11AC80SISO\_Ant1\_Low\_5775



Date: 2.MAR.2026 17:22:35

11AC80SISO\_Ant1\_High\_5775



Date: 2.MAR.2026 17:22:49

ANT2:

### 7.1.5 Test Result B1/2/3

| TestMode   | ChName | Freq(MHz) | Result[dBm] | Limit[dBm] | Verdict |
|------------|--------|-----------|-------------|------------|---------|
| 11A        | Low    | 5180      | -38.11      | $\leq -27$ | PASS    |
|            | High   | 5320      | -37.53      | $\leq -27$ | PASS    |
|            | Low    | 5500      | -38.03      | $\leq -27$ | PASS    |
|            | High   | 5700      | -38.25      | $\leq -27$ | PASS    |
| 11N20SISO  | Low    | 5180      | -38.03      | $\leq -27$ | PASS    |
|            | High   | 5320      | -38.55      | $\leq -27$ | PASS    |
|            | Low    | 5500      | -37.92      | $\leq -27$ | PASS    |
|            | High   | 5700      | -38.38      | $\leq -27$ | PASS    |
| 11N40SISO  | Low    | 5190      | -37.02      | $\leq -27$ | PASS    |
|            | High   | 5310      | -38.37      | $\leq -27$ | PASS    |
|            | Low    | 5510      | -37.85      | $\leq -27$ | PASS    |
|            | High   | 5670      | -38.67      | $\leq -27$ | PASS    |
| 11AC20SISO | Low    | 5180      | -37.25      | $\leq -27$ | PASS    |
|            | High   | 5320      | -38.8       | $\leq -27$ | PASS    |
|            | Low    | 5500      | -37.97      | $\leq -27$ | PASS    |
|            | High   | 5700      | -38.29      | $\leq -27$ | PASS    |
| 11AC40SISO | Low    | 5190      | -37.77      | $\leq -27$ | PASS    |
|            | High   | 5310      | -37.72      | $\leq -27$ | PASS    |
|            | Low    | 5510      | -37.36      | $\leq -27$ | PASS    |
|            | High   | 5670      | -38         | $\leq -27$ | PASS    |
| 11AC80SISO | Low    | 5210      | -38.1       | $\leq -27$ | PASS    |
|            | High   | 5290      | -38.25      | $\leq -27$ | PASS    |
|            | Low    | 5530      | -38.28      | $\leq -27$ | PASS    |
|            | High   | 5610      | -38.86      | $\leq -27$ | PASS    |

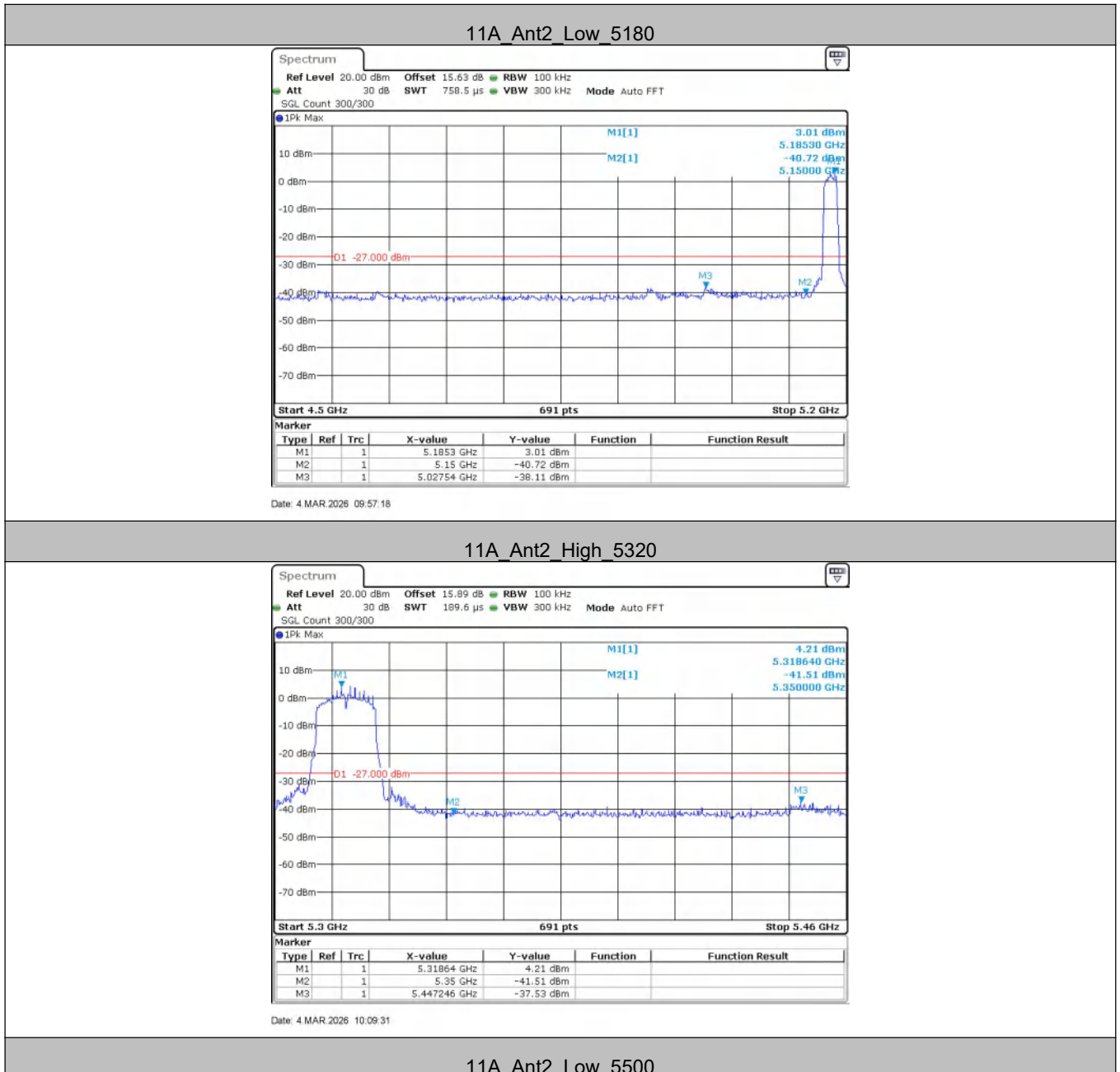
### 7.1.6 Test Result B4

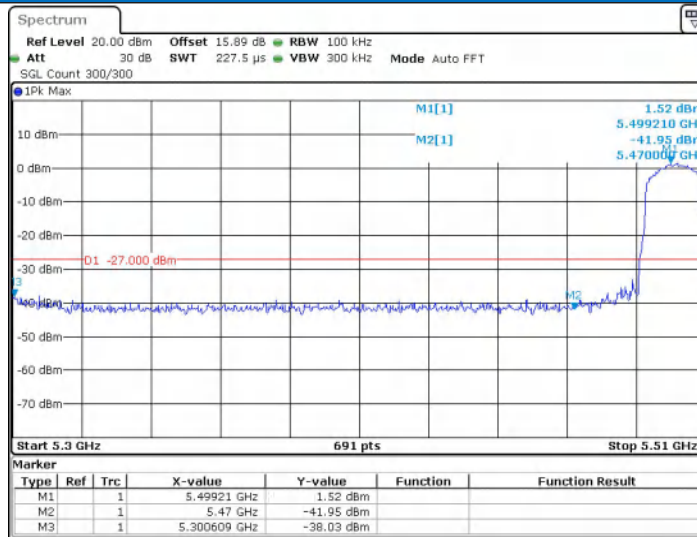
| TestMode | ChName | Freq(MHz) | FreqRange [MHz] | Result [dBm] | Limit [dBm]   | Verdict |
|----------|--------|-----------|-----------------|--------------|---------------|---------|
| 11A      | Low    | 5745      | 5650~5700       | -40.9        | $\leq -26.75$ | PASS    |
|          |        |           | 5700~5720       | -38.98       | $\leq 10.65$  | PASS    |
|          |        |           | 5720~5725       | -39.98       | $\leq 16.36$  | PASS    |
|          |        |           | 5760~5650       | -40.16       | $\leq -27$    | PASS    |
|          | High   | 5825      | 5850~5855       | -39.31       | $\leq 16.54$  | PASS    |

|            |      |      |           |        |               |      |
|------------|------|------|-----------|--------|---------------|------|
|            |      |      | 5855~5875 | -38.66 | $\leq 10.02$  | PASS |
|            |      |      | 5875~5925 | -39.63 | $\leq -26.73$ | PASS |
|            |      |      | 5925~5935 | -38.6  | $\leq -27$    | PASS |
| 11N20SISO  | Low  | 5745 | 5650~5700 | -39.52 | $\leq -26.26$ | PASS |
|            |      |      | 5700~5720 | -40.03 | $\leq 10.19$  | PASS |
|            |      |      | 5720~5725 | -39.36 | $\leq 15.98$  | PASS |
|            |      |      | 5760~5650 | -38.89 | $\leq -27$    | PASS |
|            | High | 5825 | 5850~5855 | -39.68 | $\leq 15.65$  | PASS |
|            |      |      | 5855~5875 | -38.01 | $\leq 10.46$  | PASS |
|            |      |      | 5875~5925 | -39.3  | $\leq -26.73$ | PASS |
|            |      |      | 5925~5935 | -38.31 | $\leq -27$    | PASS |
| 11N40SISO  | Low  | 5755 | 5650~5700 | -40.59 | $\leq -26.94$ | PASS |
|            |      |      | 5700~5720 | -39.29 | $\leq 10.82$  | PASS |
|            |      |      | 5720~5725 | -36.06 | $\leq 17.68$  | PASS |
|            |      |      | 5780~5650 | -39.87 | $\leq -27$    | PASS |
|            | High | 5795 | 5850~5855 | -39.98 | $\leq 15.85$  | PASS |
|            |      |      | 5855~5875 | -38.79 | $\leq 10.01$  | PASS |
|            |      |      | 5875~5925 | -38.24 | $\leq -26.44$ | PASS |
|            |      |      | 5925~5935 | -38.73 | $\leq -27$    | PASS |
| 11AC20SISO | Low  | 5745 | 5650~5700 | -39.95 | $\leq -26.14$ | PASS |
|            |      |      | 5700~5720 | -39.2  | $\leq 10.61$  | PASS |
|            |      |      | 5720~5725 | -37.75 | $\leq 15.98$  | PASS |
|            |      |      | 5760~5650 | -39.54 | $\leq -27$    | PASS |
|            | High | 5825 | 5850~5855 | -39.15 | $\leq 16.10$  | PASS |
|            |      |      | 5855~5875 | -37.65 | $\leq 11.06$  | PASS |
|            |      |      | 5875~5925 | -39.7  | $\leq -26.87$ | PASS |
|            |      |      | 5925~5935 | -37.66 | $\leq -27$    | PASS |
| 11AC40SISO | Low  | 5755 | 5650~5700 | -41.09 | $\leq -26.94$ | PASS |
|            |      |      | 5700~5720 | -37.82 | $\leq 10.82$  | PASS |
|            |      |      | 5720~5725 | -40.33 | $\leq 15.90$  | PASS |
|            |      |      | 5780~5650 | -39.13 | $\leq -27$    | PASS |
|            | High | 5795 | 5850~5855 | -37    | $\leq 16.94$  | PASS |
|            |      |      | 5855~5875 | -38.64 | $\leq 10.01$  | PASS |
|            |      |      | 5875~5925 | -37.86 | $\leq -26.44$ | PASS |
|            |      |      | 5925~5935 | -37.65 | $\leq -27$    | PASS |
| 11AC80SISO | Low  | 5775 | 5650~5700 | -39.17 | $\leq -25.55$ | PASS |
|            |      |      | 5700~5720 | -36.56 | $\leq 12.09$  | PASS |

|  |      |      |           |        |               |      |
|--|------|------|-----------|--------|---------------|------|
|  |      |      | 5720~5725 | -38.69 | $\leq 16.18$  | PASS |
|  |      |      | 5800~5650 | -39.46 | $\leq -27$    | PASS |
|  | High | 5775 | 5850~5855 | -38.8  | $\leq 16.59$  | PASS |
|  |      |      | 5855~5875 | -38.48 | $\leq 10.09$  | PASS |
|  |      |      | 5875~5925 | -37.54 | $\leq -25.27$ | PASS |
|  |      |      | 5925~5935 | -37.48 | $\leq -27$    | PASS |
|  |      |      |           |        |               |      |

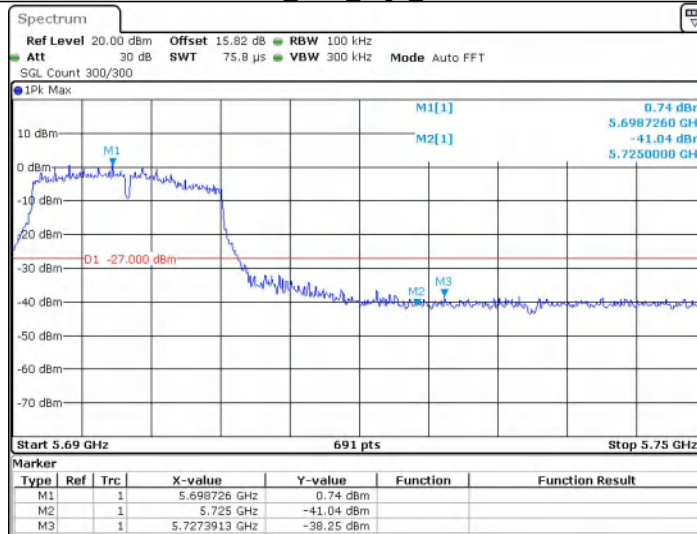
### 7.1.7 Test Graphs B1/2/3





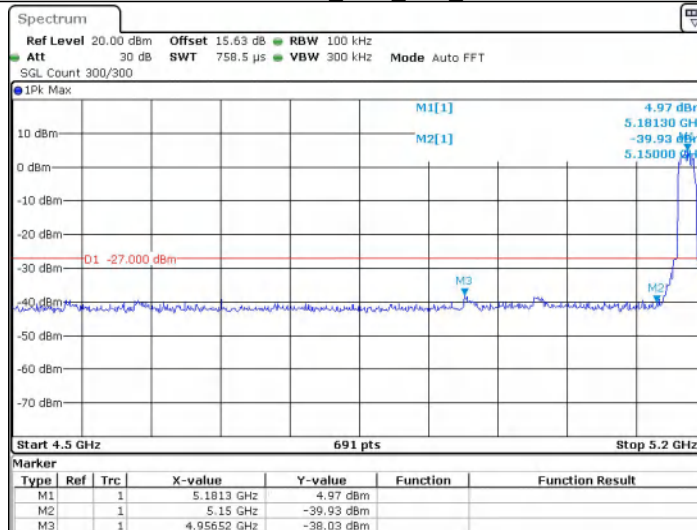
Date: 4 MAR 2026 10:11:35

### 11A Ant2\_High\_5700



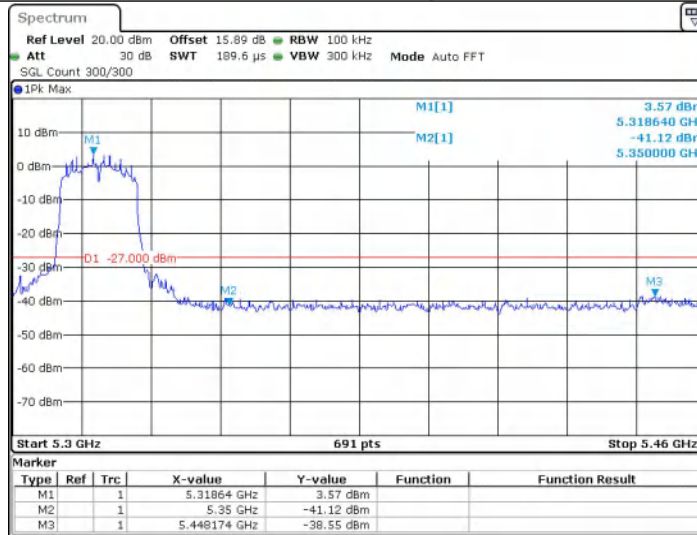
Date: 4 MAR 2026 10:15:37

### 11N20SISO\_Ant2\_Low\_5180



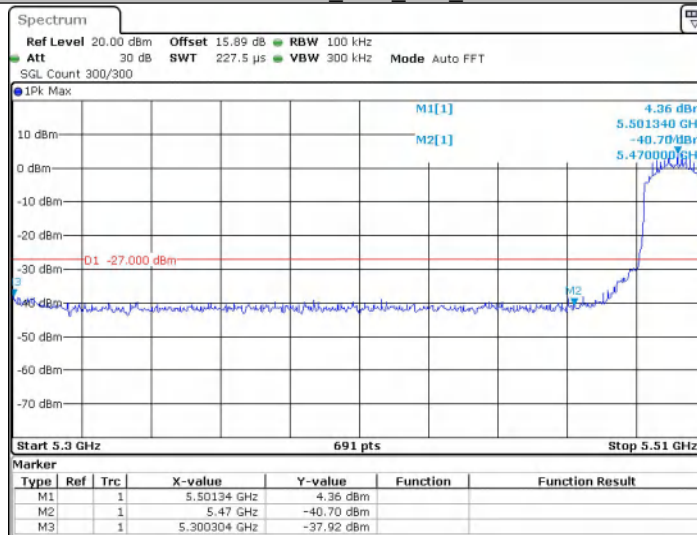
Date: 4 MAR 2026 10:38:24

11N20SISO\_Ant2\_High\_5320



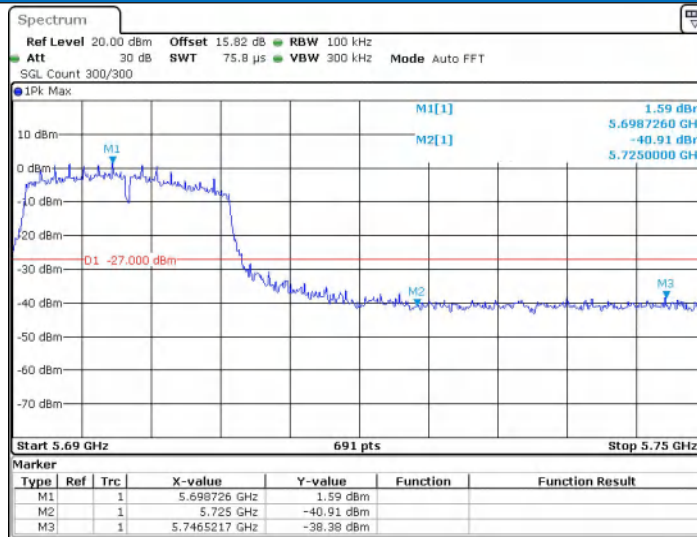
Date: 4 MAR 2026 10:46:07

11N20SISO\_Ant2\_Low\_5500



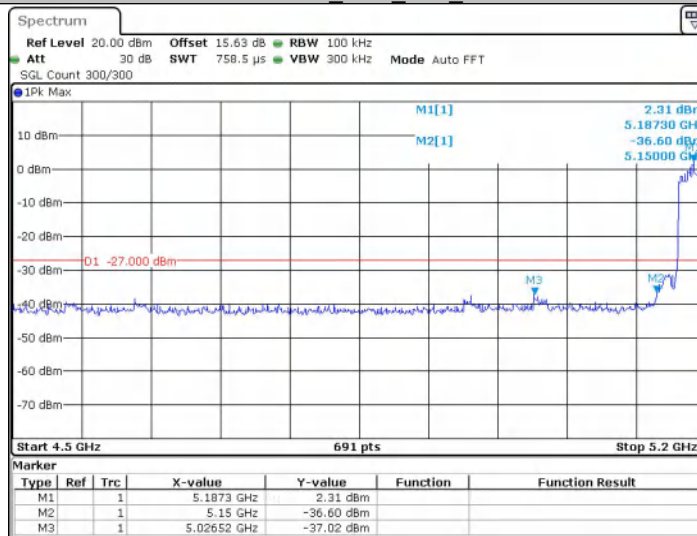
Date: 4 MAR 2026 10:51:13

11N20SISO\_Ant2\_High\_5700



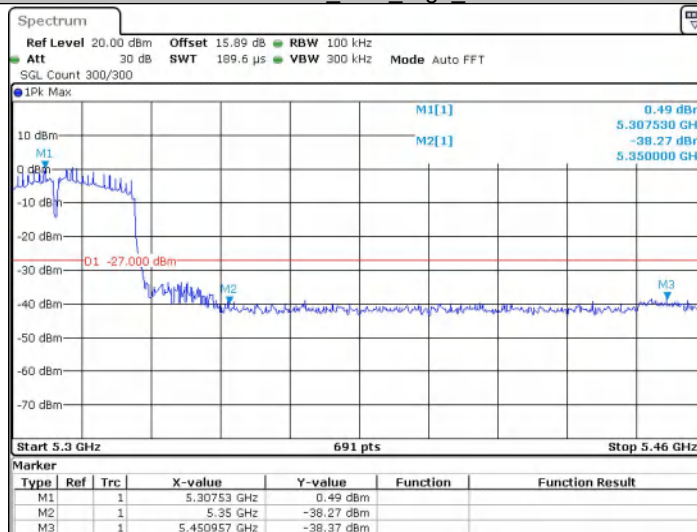
Date: 4 MAR 2026 10:54:28

### 11N40SISO\_Ant2\_Low\_5190



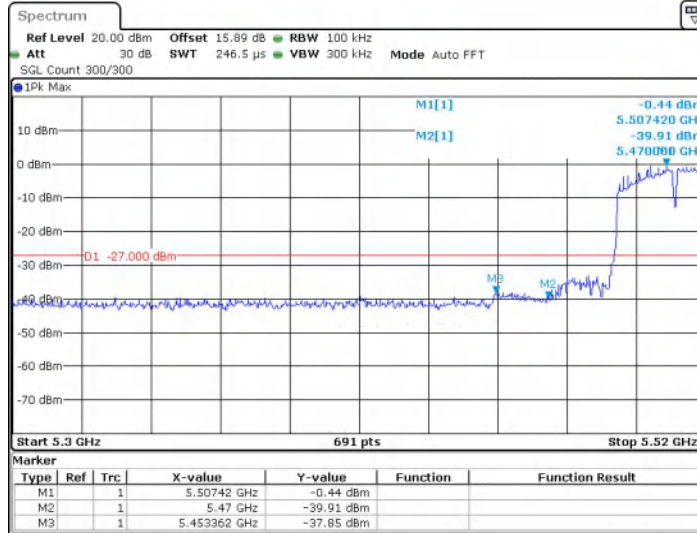
Date: 4 MAR 2026 11:03:40

### 11N40SISO\_Ant2\_High\_5310



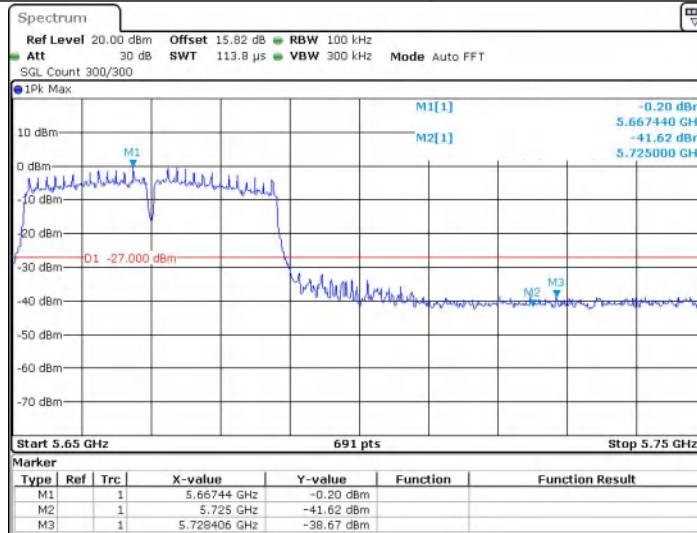
Date: 4 MAR 2026 11:16:35

11N40SISO\_Ant2\_Low\_5510



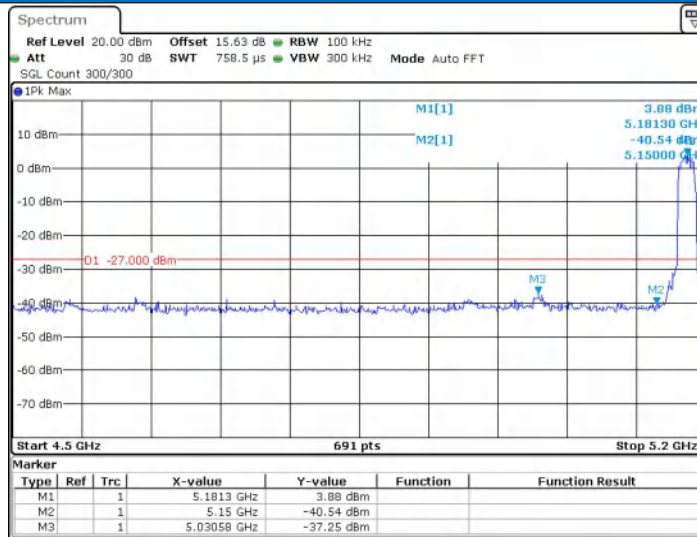
Date: 4 MAR 2026 11:18:14

11N40SISO\_Ant2\_High\_5670



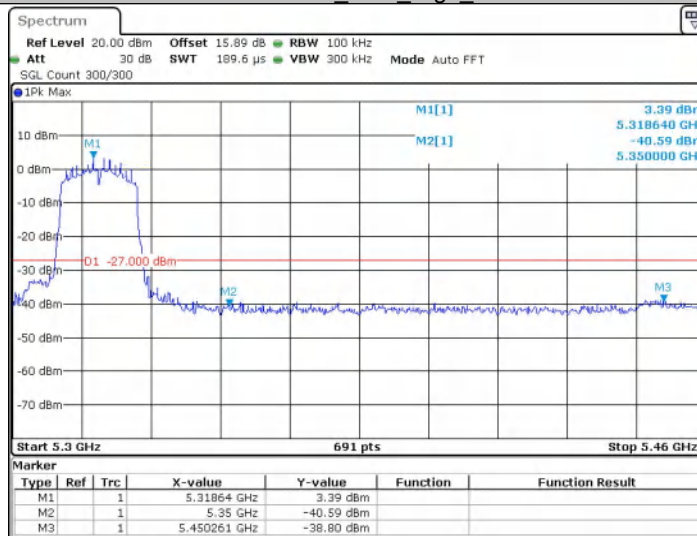
Date: 4 MAR 2026 11:22:01

11AC20SISO\_Ant2\_Low\_5180



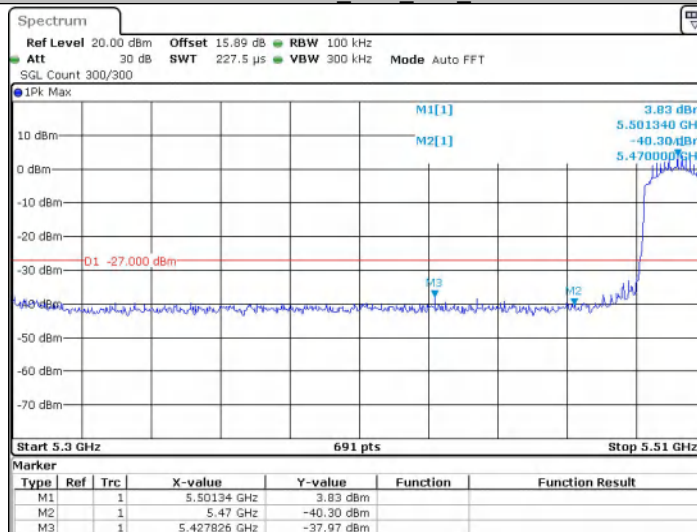
Date: 4 MAR 2026 11:27:07

### 11AC20SISO\_Ant2\_High\_5320



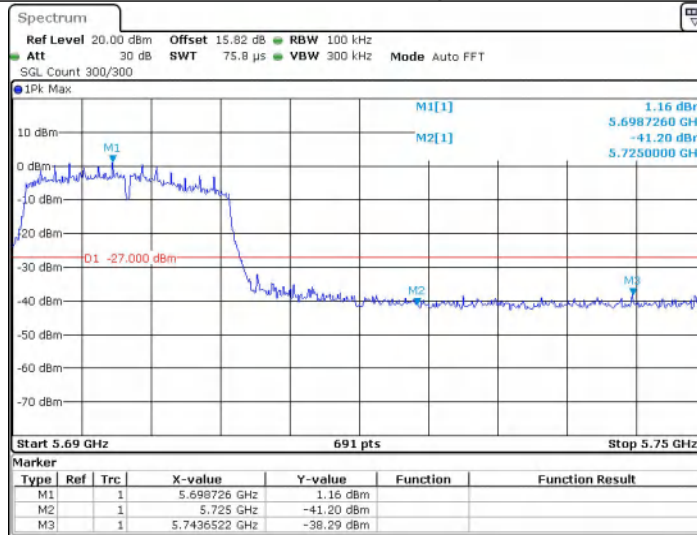
Date: 4 MAR 2026 11:39:36

### 11AC20SISO\_Ant2\_Low\_5500



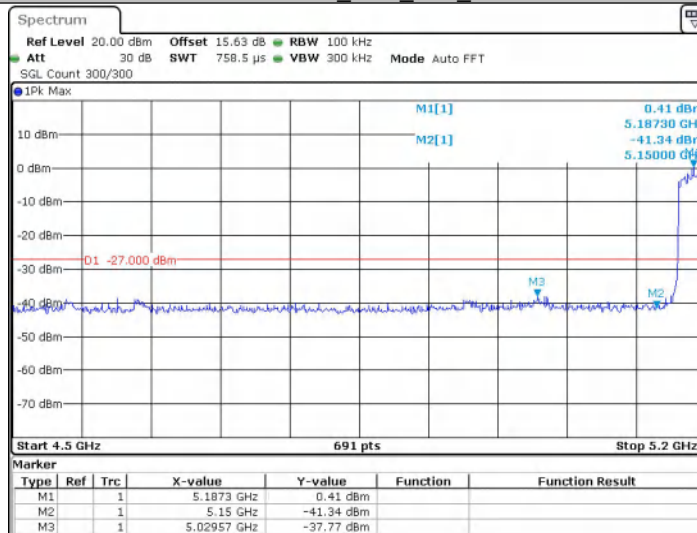
Date: 4 MAR 2026 11:41:39

11AC20SISO\_Ant2\_High\_5700



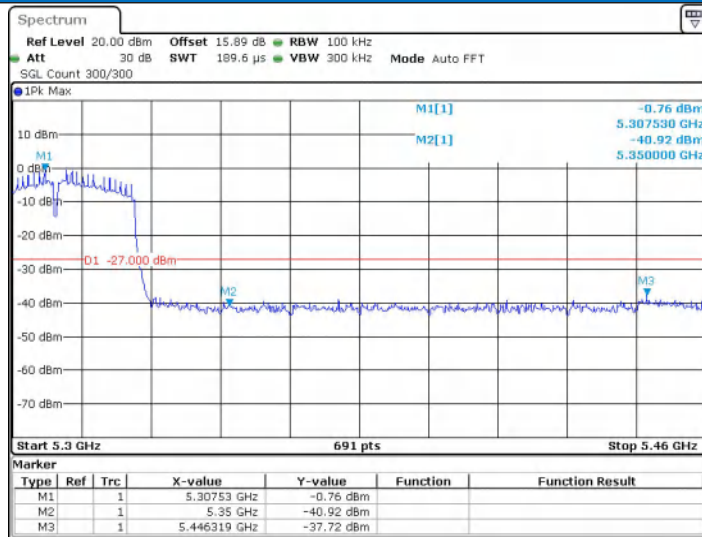
Date: 4 MAR 2026 11:44:22

11AC40SISO\_Ant2\_Low\_5190



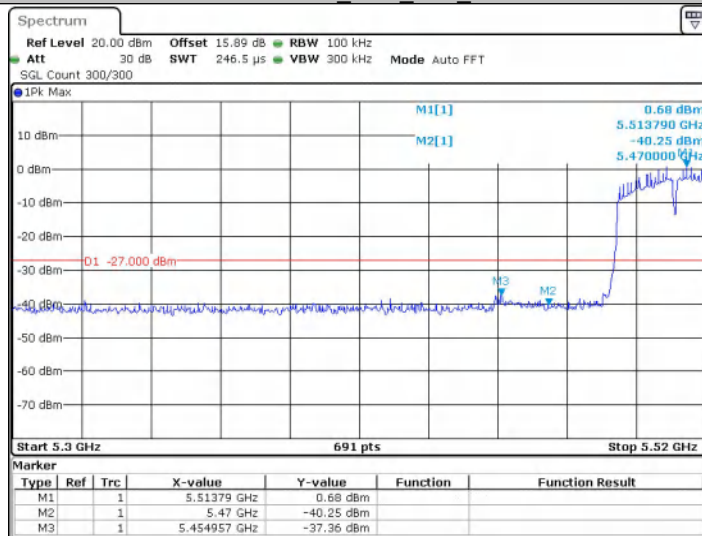
Date: 4 MAR 2026 11:55:53

11AC40SISO\_Ant2\_High\_5310



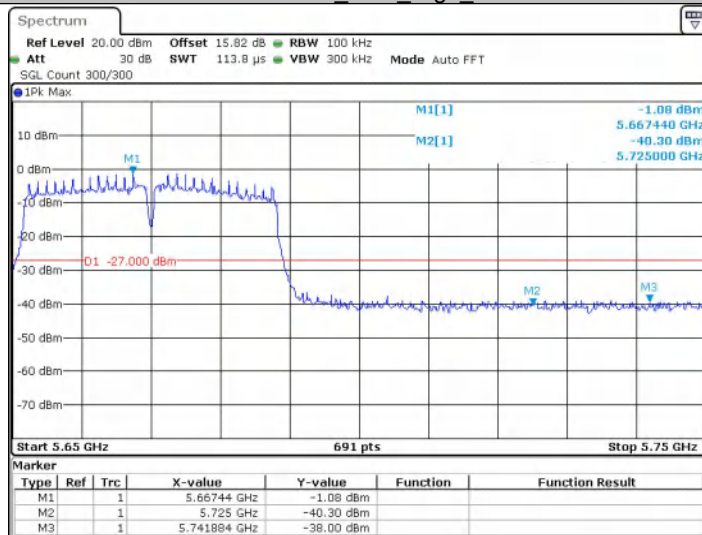
Date: 4 MAR 2026 12:00:43

### 11AC40SISO\_Ant2\_Low\_5510



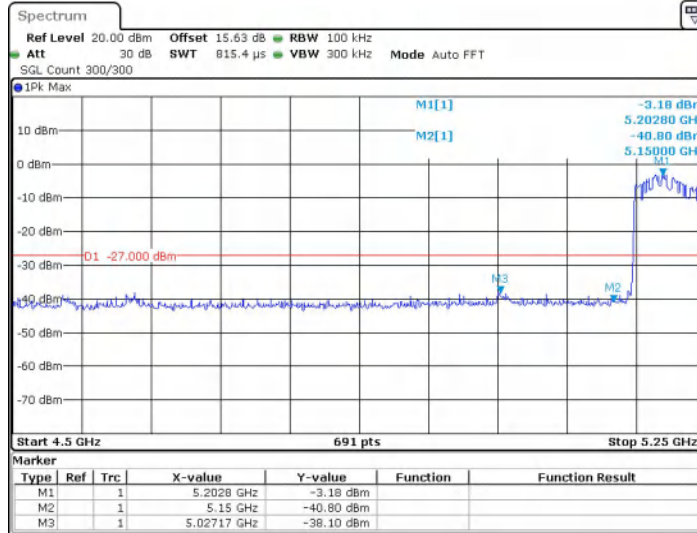
Date: 4 MAR 2026 12:02:41

### 11AC40SISO\_Ant2\_High\_5670



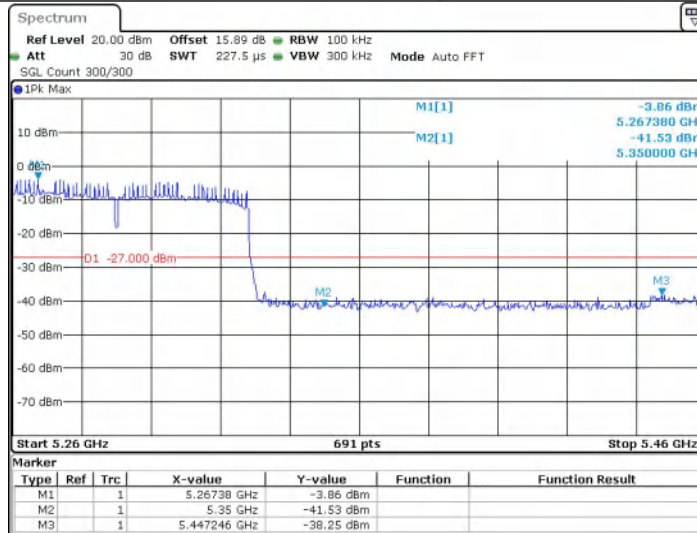
Date: 4 MAR 2026 13:37:19

11AC80SISO\_Ant2\_Low\_5210



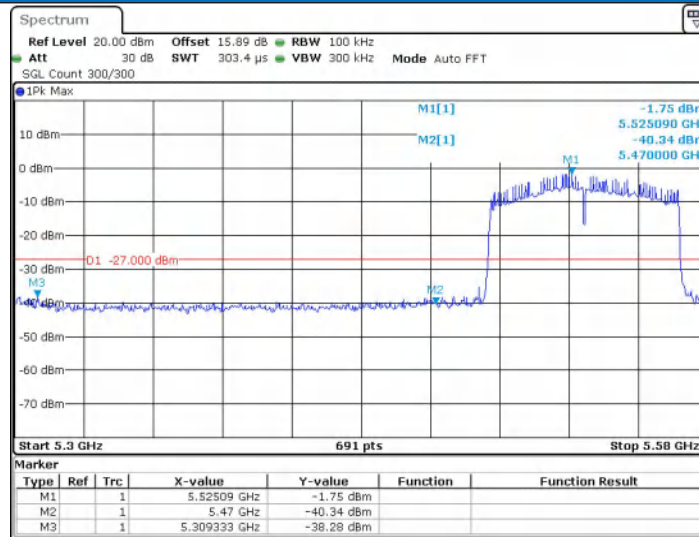
Date: 4 MAR 2026 13:45:34

11AC80SISO\_Ant2\_High\_5290



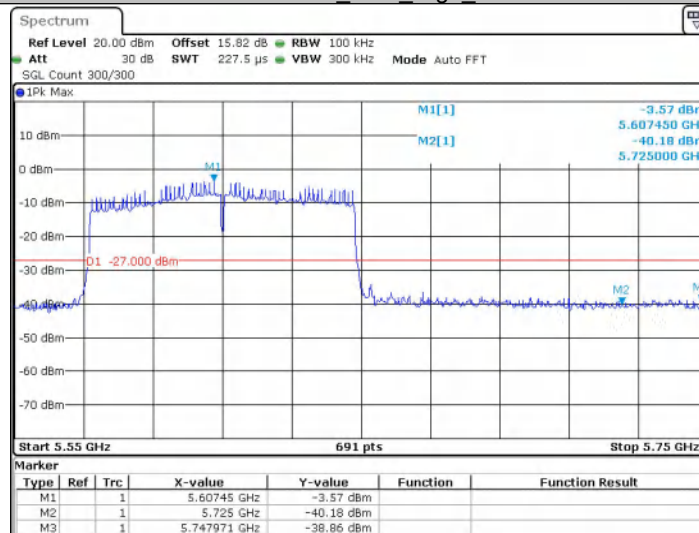
Date: 4 MAR 2026 13:48:14

11AC80SISO\_Ant2\_Low\_5530



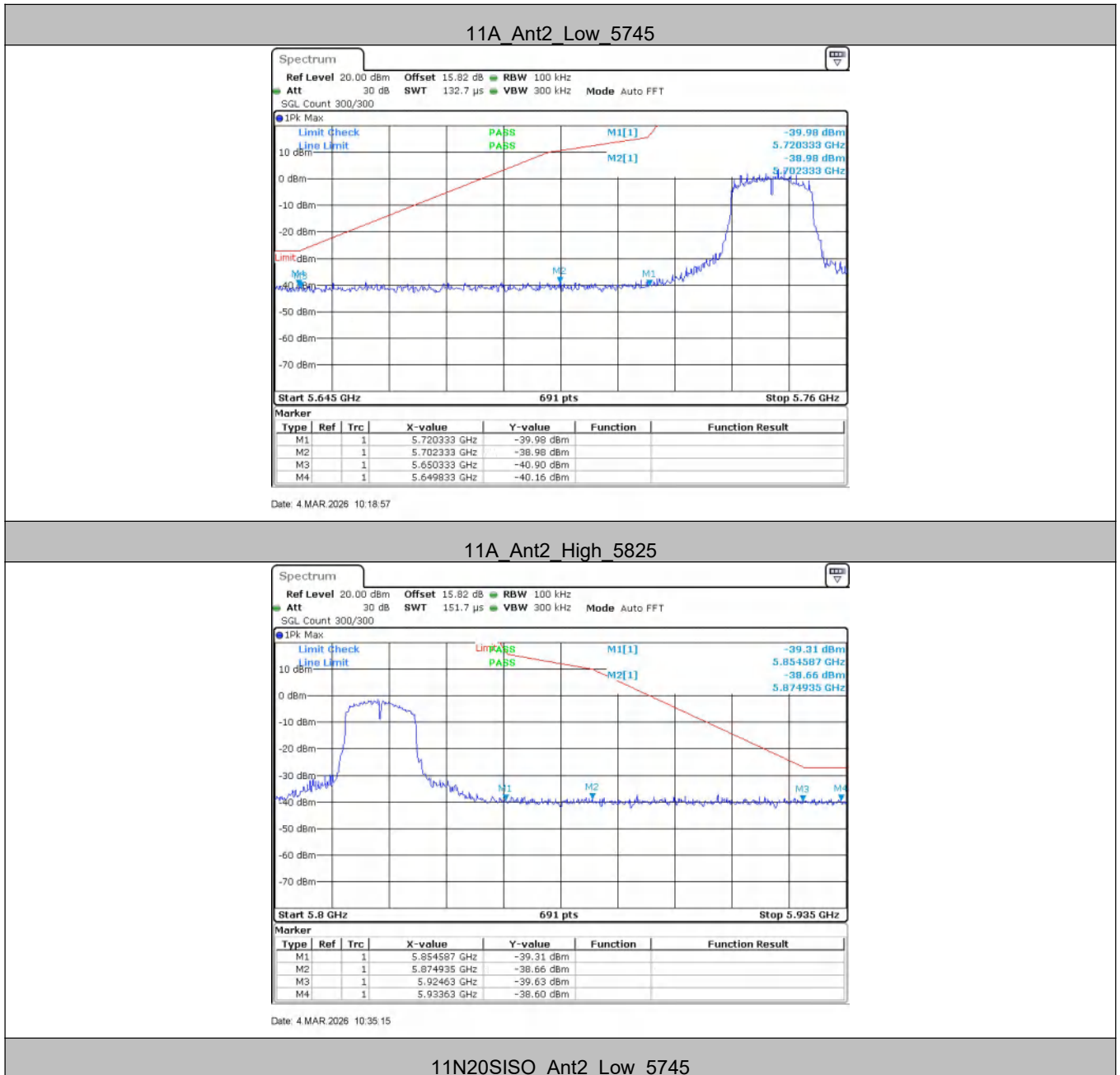
Date: 4 MAR 2026 13:50:22

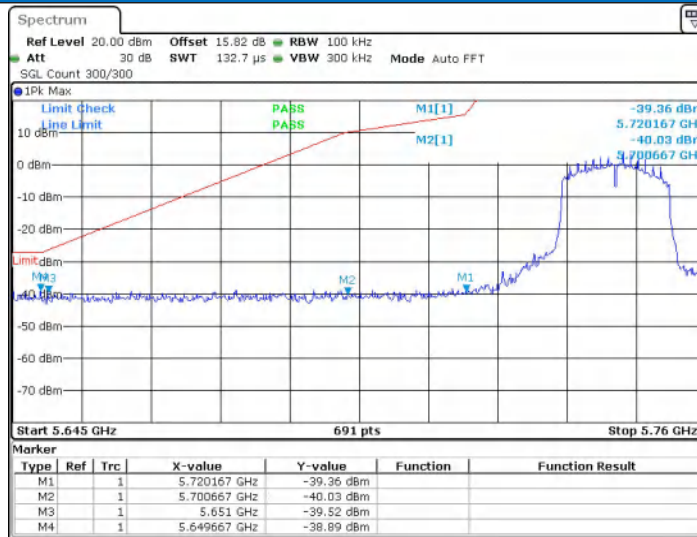
### 11AC80SISO\_Ant2\_High\_5610



Date: 4 MAR 2026 13:56:54

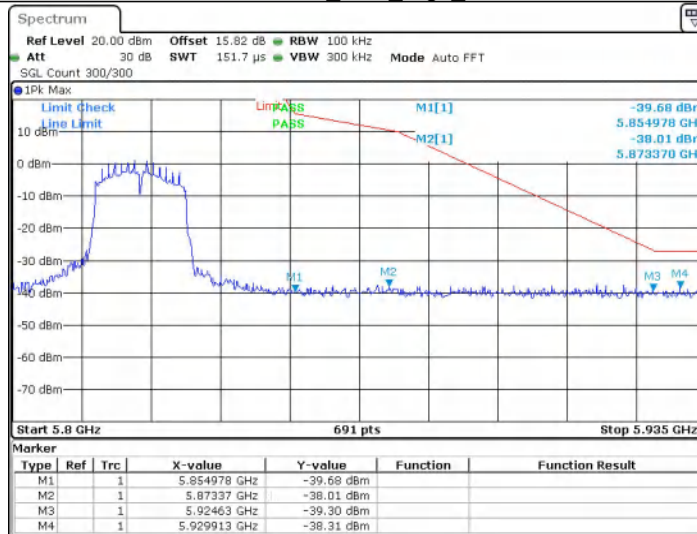
### 7.1.8 Test Graphs B4





Date: 4 MAR 2026 10:57:08

### 11N20SISO Ant2 High 5825



Date: 4 MAR 2026 11:00:30

### 11N40SISO Ant2 Low 5755



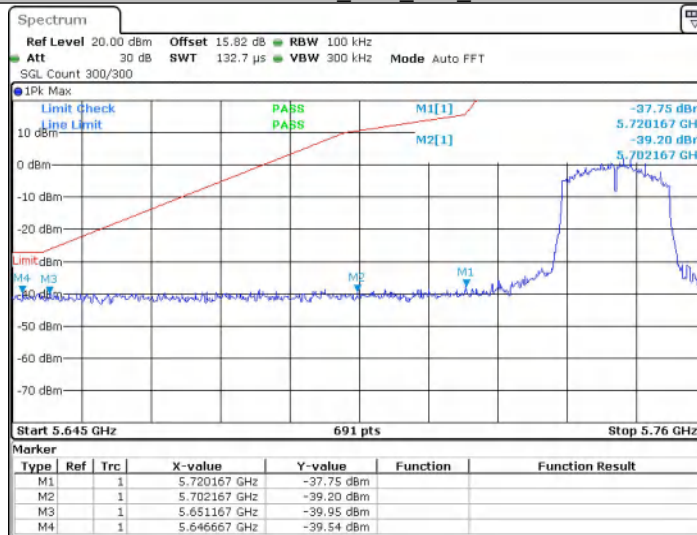
Date: 4 MAR 2026 11:23:35

11N40SISO\_Ant2\_High\_5795



Date: 4 MAR 2026 11:25:21

11AC20SISO\_Ant2\_Low\_5745



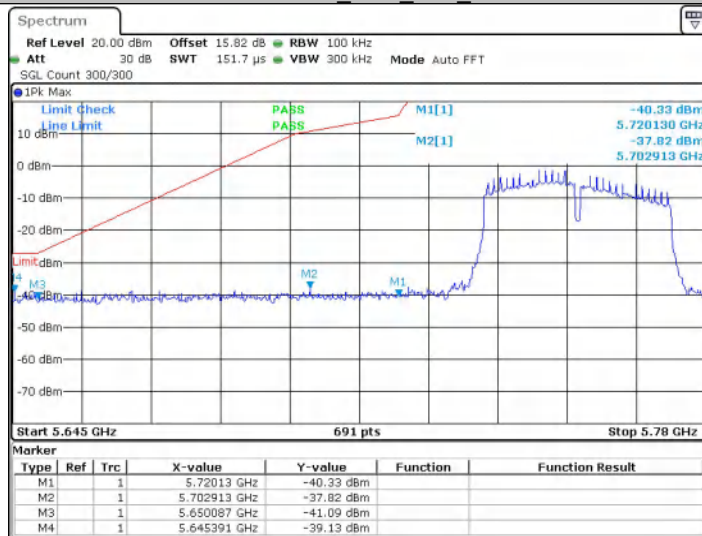
Date: 4 MAR 2026 11:46:32

11AC20SISO\_Ant2\_High\_5825



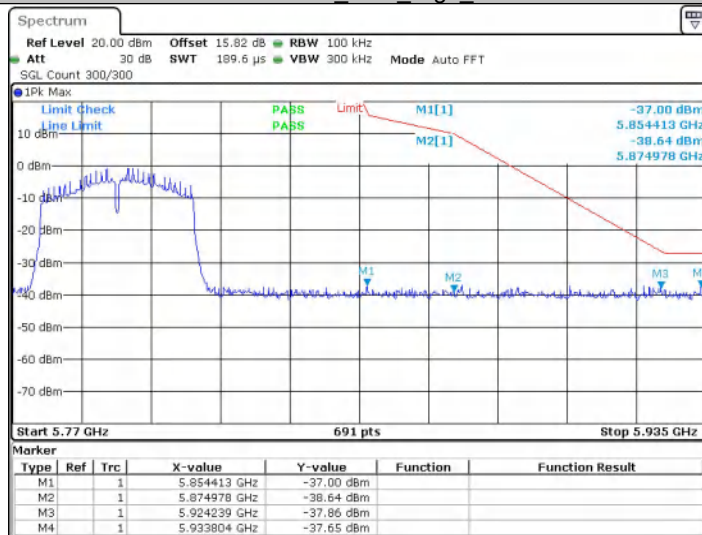
Date: 4 MAR 2026 11:51:53

11AC40SISO\_Ant2\_Low\_5755



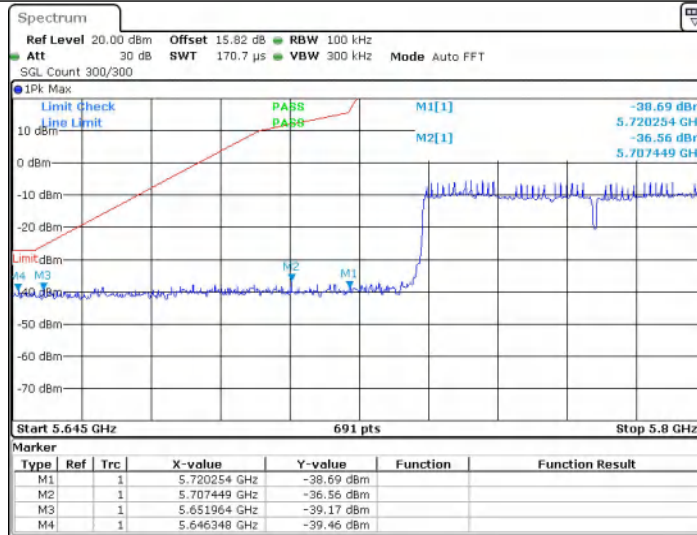
Date: 4 MAR 2026 13:41:37

11AC40SISO\_Ant2\_High\_5795



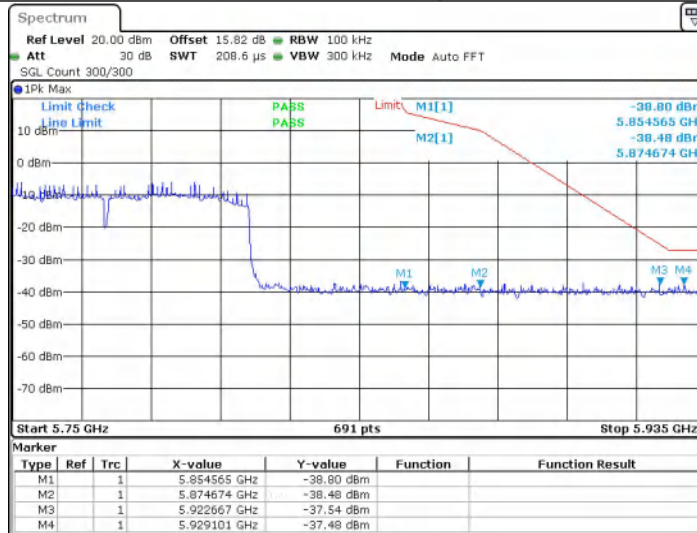
Date: 4 MAR 2026 13:43:25

11AC80SISO\_Ant2\_Low\_5775



Date: 4 MAR 2026 14:01:11

11AC80SISO\_Ant2\_High\_5775



Date: 4 MAR 2026 14:01:25

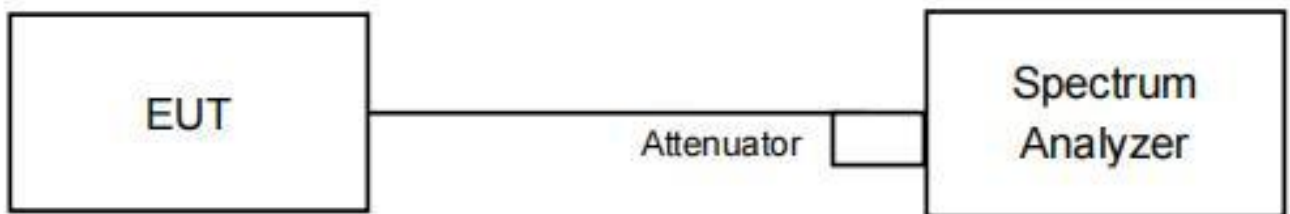
## Appendix E): Frequency Stability

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

Test Method: ANSI C63.10 (2020) Section 6.8

Limit: The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of -30 degrees to 50 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

| Frequency Stability Versus Temp. |         |                    |           |
|----------------------------------|---------|--------------------|-----------|
| Operating Frequency: 5240 MHz    |         |                    |           |
| Temp                             | Voltage | Measured Frequency | Limit     |
| (°C)                             |         | (MHz)              | (MHz)     |
| 50                               | VN      | 5240.01            | 5150-5250 |
| 40                               |         | 5240.02            | 5150-5250 |
| 30                               |         | 5240.01            | 5150-5250 |
| 20                               |         | 5240.04            | 5150-5250 |
| 10                               |         | 5240.02            | 5150-5250 |
| 0                                |         | 5240.01            | 5150-5250 |
| -10                              |         | 5240.02            | 5150-5250 |
| -30                              |         | 5240.03            | 5150-5250 |

| Frequency Stability Versus Temp. |         |                    |           |
|----------------------------------|---------|--------------------|-----------|
| Operating Frequency: 5210 MHz    |         |                    |           |
| Temp.                            | Voltage | Measured Frequency | Limit     |
|                                  |         | (MHz)              | (MHz)     |
| TN                               | VL      | 5210.05            | 5150-5250 |
|                                  | VN      | 5210.03            | 5150-5250 |
|                                  | VH      | 5210.02            | 5150-5250 |

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

## Appendix F): Antenna Requirement

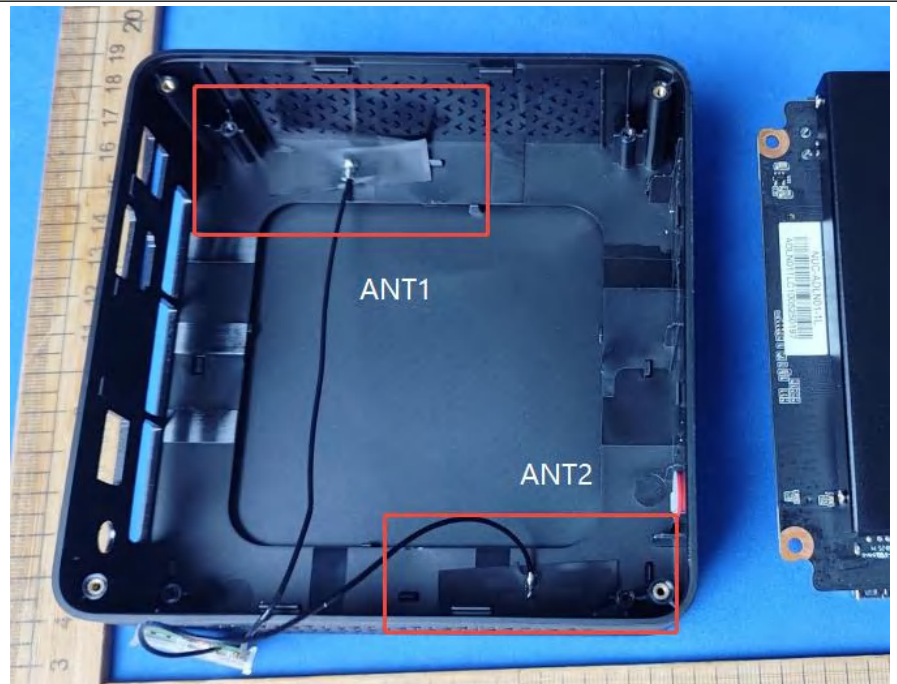
### 15.203 requirement:

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

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

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

#### EUT Antenna:



The antenna is FPC antenna.

The connection/connection type between the antenna to the EUT's antenna port is: unique coupling.  
This is either permanently attachment or a unique coupling that satisfies the requirement.

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**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

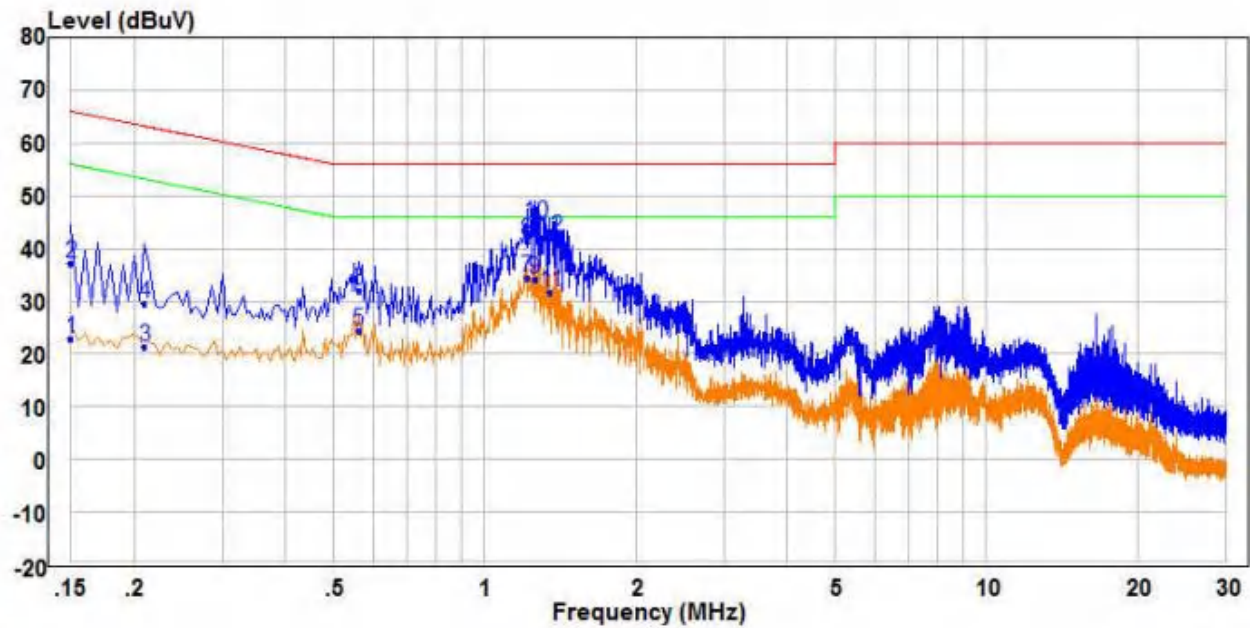
| Test Procedure:       | <p>Test frequency range :150KHz-30MHz</p> <p>1)The mains terminal disturbance voltage test was conducted in a shielded room.</p> <p>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. 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.</p> <p>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,</p> <p>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.</p> <p>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.</p> |                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|--|------------|---------|----------|-----------|-----------|-------|----|----|------|----|----|
| 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.

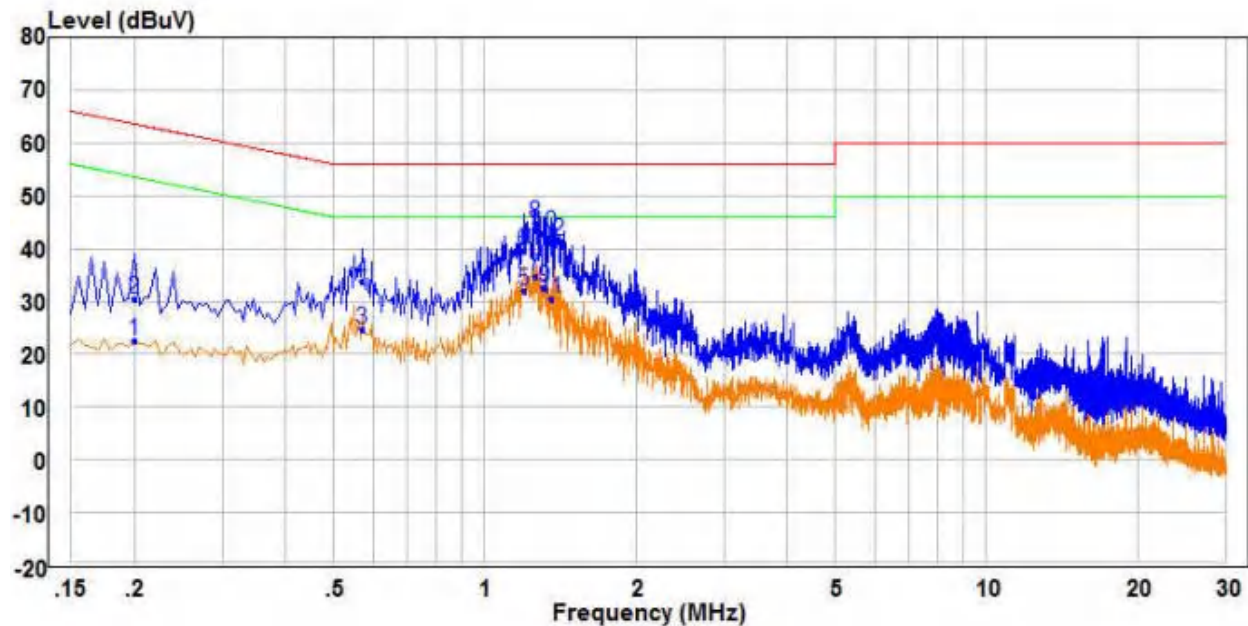
Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live line:



|       | Freq  | Read Level | Factor | Level | Limit Line | Over Limit | Remark  | Pol/Phase |
|-------|-------|------------|--------|-------|------------|------------|---------|-----------|
|       | MHz   | dBuV       | dB     | dBuV  | dBuV       | dB         |         |           |
| 1     | 0.150 | 13.24      | 9.70   | 22.94 | 56.00      | -33.06     | Average | Line      |
| 2     | 0.150 | 27.31      | 9.70   | 37.01 | 66.00      | -28.99     | QP      | Line      |
| 3     | 0.210 | 11.70      | 9.60   | 21.30 | 53.21      | -31.91     | Average | Line      |
| 4     | 0.210 | 19.85      | 9.60   | 29.45 | 63.21      | -33.76     | QP      | Line      |
| 5     | 0.560 | 14.59      | 9.76   | 24.35 | 46.00      | -21.65     | Average | Line      |
| 6     | 0.560 | 22.28      | 9.76   | 32.04 | 56.00      | -23.96     | QP      | Line      |
| 7 AV  | 1.215 | 24.07      | 10.24  | 34.31 | 46.00      | -11.69     | Average | Line      |
| 8     | 1.215 | 31.03      | 10.24  | 41.27 | 56.00      | -14.73     | QP      | Line      |
| 9     | 1.260 | 23.90      | 10.34  | 34.24 | 46.00      | -11.76     | Average | Line      |
| 10 PP | 1.260 | 34.32      | 10.34  | 44.66 | 56.00      | -11.34     | QP      | Line      |
| 11    | 1.350 | 21.09      | 10.54  | 31.63 | 46.00      | -14.37     | Average | Line      |
| 12    | 1.350 | 31.51      | 10.54  | 42.05 | 56.00      | -13.95     | QP      | Line      |

Neutral line:



|      | Freq  | Read Level | Factor | Level | Limit Line | Over Limit | Remark  | Pol/Phase |
|------|-------|------------|--------|-------|------------|------------|---------|-----------|
|      | MHz   | dBuV       | dB     | dBuV  | dBuV       | dB         |         |           |
| 1    | 0.200 | 12.91      | 9.61   | 22.52 | 53.61      | -31.09     | Average | Neutral   |
| 2    | 0.200 | 20.74      | 9.61   | 30.35 | 63.61      | -33.26     | QP      | Neutral   |
| 3    | 0.570 | 14.88      | 9.77   | 24.65 | 46.00      | -21.35     | Average | Neutral   |
| 4    | 0.570 | 24.09      | 9.77   | 33.86 | 56.00      | -22.14     | QP      | Neutral   |
| 5    | 1.195 | 22.23      | 9.71   | 31.94 | 46.00      | -14.06     | Average | Neutral   |
| 6    | 1.195 | 29.83      | 9.71   | 39.54 | 56.00      | -16.46     | QP      | Neutral   |
| 7 PP | 1.260 | 25.00      | 9.71   | 34.71 | 46.00      | -11.29     | Average | Neutral   |
| 8 QP | 1.260 | 34.94      | 9.71   | 44.65 | 56.00      | -11.35     | QP      | Neutral   |
| 9    | 1.310 | 22.74      | 9.72   | 32.46 | 46.00      | -13.54     | Average | Neutral   |
| 10   | 1.310 | 33.26      | 9.72   | 42.98 | 56.00      | -13.02     | QP      | Neutral   |
| 11   | 1.355 | 20.73      | 9.72   | 30.45 | 46.00      | -15.55     | Average | Neutral   |
| 12   | 1.355 | 31.62      | 9.72   | 41.34 | 56.00      | -14.66     | 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 (dB $\mu$ V/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:

| Worse case mode: |               | 802.11a |                | Test channel: |        | 36             |           |                |             |
|------------------|---------------|---------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor  | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)    | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5150.00          | 58.79         | -3.63   | 55.16          | 74            | -18.84 | peak           | H         | 1.5            | 281         |
| 5150.00          | 44.44         | -3.63   | 40.81          | 54            | -13.19 | AVG            | H         | 1.5            | 101         |
| 5150.00          | 59.68         | -3.63   | 56.05          | 74            | -17.95 | peak           | V         | 1.5            | 246         |
| 5150.00          | 46.48         | -3.63   | 42.85          | 54            | -11.15 | AVG            | V         | 1.5            | 337         |

| Worse case mode: |               | 802.11a |                | Test channel: |        | 64             |           |                |             |
|------------------|---------------|---------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor  | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)    | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5350.00          | 59.08         | -3.59   | 55.49          | 74            | -18.51 | peak           | H         | 1.5            | 206         |
| 5350.00          | 44.44         | -3.59   | 40.85          | 54            | -13.15 | AVG            | H         | 1.5            | 50          |
| 5350.00          | 59.27         | -3.59   | 55.68          | 74            | -18.32 | peak           | V         | 1.5            | 91          |
| 5350.00          | 46.24         | -3.59   | 42.65          | 54            | -11.35 | AVG            | V         | 1.5            | 158         |

| Worse case mode: |               | 802.11a |                | Test channel: |        | 100            |           |                |             |
|------------------|---------------|---------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor  | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)    | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5470.00          | 58.11         | -3.44   | 54.67          | 74            | -19.33 | peak           | H         | 1.5            | 106         |
| 5470.00          | 44.30         | -3.44   | 40.86          | 54            | -13.14 | AVG            | H         | 1.5            | 187         |
| 5470.00          | 58.32         | -3.44   | 54.88          | 74            | -19.12 | peak           | V         | 1.5            | 347         |
| 5470.00          | 46.13         | -3.44   | 42.69          | 54            | -11.31 | AVG            | V         | 1.5            | 23          |

| Worse case mode: |               | 802.11a |                | Test channel: |        | 165            |           |                |             |
|------------------|---------------|---------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor  | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)    | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5850.00          | 58.91         | -3.42   | 55.49          | 74            | -18.51 | peak           | H         | 1.5            | 348         |
| 5850.00          | 44.34         | -3.42   | 40.92          | 54            | -13.08 | AVG            | H         | 1.5            | 355         |
| 5850.00          | 59.71         | -3.42   | 56.29          | 74            | -17.71 | peak           | V         | 1.5            | 114         |
| 5850.00          | 46.28         | -3.42   | 42.86          | 54            | -11.14 | AVG            | V         | 1.5            | 134         |

| Worse case mode: |               | 802.11n(HT20) |                | Test channel: |        | 36             |           |                |             |
|------------------|---------------|---------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor        | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)          | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5150.00          | 59.00         | -3.63         | 55.37          | 74            | -18.63 | peak           | H         | 1.5            | 20          |
| 5150.00          | 44.34         | -3.63         | 40.71          | 54            | -13.29 | AVG            | H         | 1.5            | 151         |
| 5150.00          | 59.87         | -3.63         | 56.24          | 74            | -17.76 | peak           | V         | 1.5            | 237         |
| 5150.00          | 46.62         | -3.63         | 42.99          | 54            | -11.01 | AVG            | V         | 1.5            | 88          |

| Worse case mode: |               | 802.11n(HT20) |                | Test channel: |        | 64             |           |                |             |
|------------------|---------------|---------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor        | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)          | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5350.00          | 58.94         | -3.59         | 55.35          | 74            | -18.65 | peak           | H         | 1.5            | 32          |
| 5350.00          | 44.75         | -3.59         | 41.16          | 54            | -12.84 | AVG            | H         | 1.5            | 242         |
| 5350.00          | 59.30         | -3.59         | 55.71          | 74            | -18.29 | peak           | V         | 1.5            | 296         |
| 5350.00          | 46.57         | -3.59         | 42.98          | 54            | -11.02 | AVG            | V         | 1.5            | 116         |

| Worse case mode: |               | 802.11n(HT20) |                | Test channel: |        | 100            |           |                |             |
|------------------|---------------|---------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor        | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)          | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5470.00          | 57.89         | -3.44         | 54.45          | 74            | -19.55 | peak           | H         | 1.5            | 24          |
| 5470.00          | 43.62         | -3.44         | 40.18          | 54            | -13.82 | AVG            | H         | 1.5            | 183         |
| 5470.00          | 57.72         | -3.44         | 54.28          | 74            | -19.72 | peak           | V         | 1.5            | 169         |
| 5470.00          | 46.34         | -3.44         | 42.90          | 54            | -11.10 | AVG            | V         | 1.5            | 44          |

| Worse case mode: |               | 802.11n(HT20) |                | Test channel: |        | 165            |           |                |             |
|------------------|---------------|---------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor        | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)          | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5850.00          | 58.31         | -3.42         | 54.89          | 74            | -19.11 | peak           | H         | 1.5            | 86          |
| 5850.00          | 44.38         | -3.42         | 40.96          | 54            | -13.04 | AVG            | H         | 1.5            | 59          |
| 5850.00          | 60.02         | -3.42         | 56.60          | 74            | -17.40 | peak           | V         | 1.5            | 185         |
| 5850.00          | 46.29         | -3.42         | 42.87          | 54            | -11.13 | AVG            | V         | 1.5            | 188         |

| Worse case mode: |               | 802.11n(HT40) |                | Test channel: |        | 38             |           |                |             |
|------------------|---------------|---------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor        | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)          | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5150.00          | 58.56         | -3.63         | 54.93          | 74            | -19.07 | peak           | H         | 1.5            | 21          |
| 5150.00          | 44.21         | -3.63         | 40.58          | 54            | -13.42 | AVG            | H         | 1.5            | 303         |
| 5150.00          | 59.42         | -3.63         | 55.79          | 74            | -18.21 | peak           | V         | 1.5            | 313         |
| 5150.00          | 46.62         | -3.63         | 42.99          | 54            | -11.01 | AVG            | V         | 1.5            | 244         |

| Worse case mode: |               | 802.11n(HT40) |                | Test channel: |        | 62             |           |                |             |
|------------------|---------------|---------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor        | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)          | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5350.00          | 58.84         | -3.59         | 55.25          | 74            | -18.75 | peak           | H         | 1.5            | 98          |
| 5350.00          | 44.96         | -3.59         | 41.37          | 54            | -12.63 | AVG            | H         | 1.5            | 277         |
| 5350.00          | 60.01         | -3.59         | 56.42          | 74            | -17.58 | peak           | V         | 1.5            | 185         |
| 5350.00          | 46.24         | -3.59         | 42.65          | 54            | -11.35 | AVG            | V         | 1.5            | 52          |

| Worse case mode: |               | 802.11n(HT40) |                | Test channel: |        | 102            |           |                |             |
|------------------|---------------|---------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor        | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)          | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5470.00          | 57.68         | -3.44         | 54.24          | 74            | -19.76 | peak           | H         | 1.5            | 132         |
| 5470.00          | 43.74         | -3.44         | 40.30          | 54            | -13.70 | AVG            | H         | 1.5            | 44          |
| 5470.00          | 58.01         | -3.44         | 54.57          | 74            | -19.43 | peak           | V         | 1.5            | 203         |
| 5470.00          | 45.74         | -3.44         | 42.30          | 54            | -11.70 | AVG            | V         | 1.5            | 359         |

| Worse case mode: |               | 802.11n(HT40) |                | Test channel: |        | 159            |           |                |             |
|------------------|---------------|---------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor        | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)          | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5850.00          | 58.62         | -3.42         | 55.20          | 74            | -18.80 | peak           | H         | 1.5            | 323         |
| 5850.00          | 44.85         | -3.42         | 41.43          | 54            | -12.57 | AVG            | H         | 1.5            | 178         |
| 5850.00          | 60.13         | -3.42         | 56.71          | 74            | -17.29 | peak           | V         | 1.5            | 245         |
| 5850.00          | 46.40         | -3.42         | 42.98          | 54            | -11.02 | AVG            | V         | 1.5            | 233         |

| Worse case mode: |               | 802.11ac(VHT20) |                | Test channel: |        | 36             |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5150.00          | 59.18         | -3.63           | 55.55          | 74            | -18.45 | peak           | H         | 1.5            | 73          |
| 5150.00          | 44.65         | -3.63           | 41.02          | 54            | -12.98 | AVG            | H         | 1.5            | 166         |
| 5150.00          | 59.39         | -3.63           | 55.76          | 74            | -18.24 | peak           | V         | 1.5            | 293         |
| 5150.00          | 46.38         | -3.63           | 42.75          | 54            | -11.25 | AVG            | V         | 1.5            | 296         |

| Worse case mode: |               | 802.11ac(VHT20) |                | Test channel: |        | 64             |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5350.00          | 59.21         | -3.59           | 55.62          | 74            | -18.38 | peak           | H         | 1.5            | 132         |
| 5350.00          | 44.04         | -3.59           | 40.45          | 54            | -13.55 | AVG            | H         | 1.5            | 249         |
| 5350.00          | 60.10         | -3.59           | 56.51          | 74            | -17.49 | peak           | V         | 1.5            | 354         |
| 5350.00          | 46.14         | -3.59           | 42.55          | 54            | -11.45 | AVG            | V         | 1.5            | 238         |

| Worse case mode: |               | 802.11ac(VHT20) |                | Test channel: |        | 100            |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5470.00          | 57.82         | -3.44           | 54.38          | 74            | -19.62 | peak           | H         | 1.5            | 151         |
| 5470.00          | 43.51         | -3.44           | 40.07          | 54            | -13.93 | AVG            | H         | 1.5            | 317         |
| 5470.00          | 57.51         | -3.44           | 54.07          | 74            | -19.93 | peak           | V         | 1.5            | 27          |
| 5470.00          | 45.77         | -3.44           | 42.33          | 54            | -11.67 | AVG            | V         | 1.5            | 274         |

| Worse case mode: |               | 802.11ac(VHT20) |                | Test channel: |        | 165            |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5850.00          | 59.02         | -3.42           | 55.60          | 74            | -18.40 | peak           | H         | 1.5            | 315         |
| 5850.00          | 44.84         | -3.42           | 41.42          | 54            | -12.58 | AVG            | H         | 1.5            | 115         |
| 5850.00          | 59.69         | -3.42           | 56.27          | 74            | -17.73 | peak           | V         | 1.5            | 258         |
| 5850.00          | 46.74         | -3.42           | 43.32          | 54            | -10.68 | AVG            | V         | 1.5            | 350         |

| Worse case mode: |               | 802.11ac(VHT40) |                | Test channel: |        | 38             |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5150.00          | 59.22         | -3.63           | 55.59          | 74            | -18.41 | peak           | H         | 1.5            | 166         |
| 5150.00          | 44.13         | -3.63           | 40.50          | 54            | -13.50 | AVG            | H         | 1.5            | 222         |
| 5150.00          | 59.80         | -3.63           | 56.17          | 74            | -17.83 | peak           | V         | 1.5            | 271         |
| 5150.00          | 46.09         | -3.63           | 42.46          | 54            | -11.54 | AVG            | V         | 1.5            | 239         |

| Worse case mode: |               | 802.11ac(VHT40) |                | Test channel: |        | 62             |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5350.00          | 59.10         | -3.59           | 55.51          | 74            | -18.49 | peak           | H         | 1.5            | 275         |
| 5350.00          | 44.72         | -3.59           | 41.13          | 54            | -12.87 | AVG            | H         | 1.5            | 307         |
| 5350.00          | 59.75         | -3.59           | 56.16          | 74            | -17.84 | peak           | V         | 1.5            | 15          |
| 5350.00          | 46.69         | -3.59           | 43.10          | 54            | -10.90 | AVG            | V         | 1.5            | 349         |

| Worse case mode: |               | 802.11ac(VHT40) |                | Test channel: |        | 102            |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5470.00          | 58.30         | -3.44           | 54.86          | 74            | -19.14 | peak           | H         | 1.5            | 298         |
| 5470.00          | 44.21         | -3.44           | 40.77          | 54            | -13.23 | AVG            | H         | 1.5            | 20          |
| 5470.00          | 58.31         | -3.44           | 54.87          | 74            | -19.13 | peak           | V         | 1.5            | 10          |
| 5470.00          | 45.83         | -3.44           | 42.39          | 54            | -11.61 | AVG            | V         | 1.5            | 170         |

| Worse case mode: |               | 802.11ac(VHT40) |                | Test channel: |        | 159            |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                |           | (m)            | (Degree)    |
| 5850.00          | 59.13         | -3.42           | 55.71          | 74            | -18.29 | peak           | H         | 1.5            | 128         |
| 5850.00          | 44.50         | -3.42           | 41.08          | 54            | -12.92 | AVG            | H         | 1.5            | 166         |
| 5850.00          | 60.20         | -3.42           | 56.78          | 74            | -17.22 | peak           | V         | 1.5            | 235         |
| 5850.00          | 46.54         | -3.42           | 43.12          | 54            | -10.88 | AVG            | V         | 1.5            | 196         |

| Worse case mode: |               | 802.11ac(VHT80) |                | Test channel: |        | 42             |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5150.00          | 59.07         | -3.63           | 55.44          | 74            | -18.56 | peak           | H         | 1.5            | 101         |
| 5150.00          | 44.01         | -3.63           | 40.38          | 54            | -13.62 | AVG            | H         | 1.5            | 93          |
| 5150.00          | 59.75         | -3.63           | 56.12          | 74            | -17.88 | peak           | V         | 1.5            | 142         |
| 5150.00          | 46.06         | -3.63           | 42.43          | 54            | -11.57 | AVG            | V         | 1.5            | 247         |

| Worse case mode: |               | 802.11ac(VHT80) |                | Test channel: |        | 58             |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5350.00          | 58.50         | -3.59           | 54.91          | 74            | -19.09 | peak           | H         | 1.5            | 214         |
| 5350.00          | 44.22         | -3.59           | 40.63          | 54            | -13.37 | AVG            | H         | 1.5            | 340         |
| 5350.00          | 60.21         | -3.59           | 56.62          | 74            | -17.38 | peak           | V         | 1.5            | 18          |
| 5350.00          | 46.53         | -3.59           | 42.94          | 54            | -11.06 | AVG            | V         | 1.5            | 84          |

| Worse case mode: |               | 802.11ac(VHT80) |                | Test channel: |        | 106            |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5470.00          | 57.58         | -3.44           | 54.14          | 74            | -19.86 | peak           | H         | 1.5            | 69          |
| 5470.00          | 44.24         | -3.44           | 40.80          | 54            | -13.20 | AVG            | H         | 1.5            | 149         |
| 5470.00          | 57.58         | -3.44           | 54.14          | 74            | -19.86 | peak           | V         | 1.5            | 207         |
| 5470.00          | 46.40         | -3.44           | 42.96          | 54            | -11.04 | AVG            | V         | 1.5            | 127         |

| Worse case mode: |               | 802.11ac(VHT80) |                | Test channel: |        | 155            |           |                |             |
|------------------|---------------|-----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor          | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)            | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 5850.00          | 58.53         | -3.42           | 55.11          | 74            | -18.89 | peak           | H         | 1.5            | 223         |
| 5850.00          | 44.32         | -3.42           | 40.90          | 54            | -13.10 | AVG            | H         | 1.5            | 299         |
| 5850.00          | 59.32         | -3.42           | 55.90          | 74            | -18.10 | peak           | V         | 1.5            | 163         |
| 5850.00          | 46.75         | -3.42           | 43.33          | 54            | -10.67 | AVG            | V         | 1.5            | 260         |

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

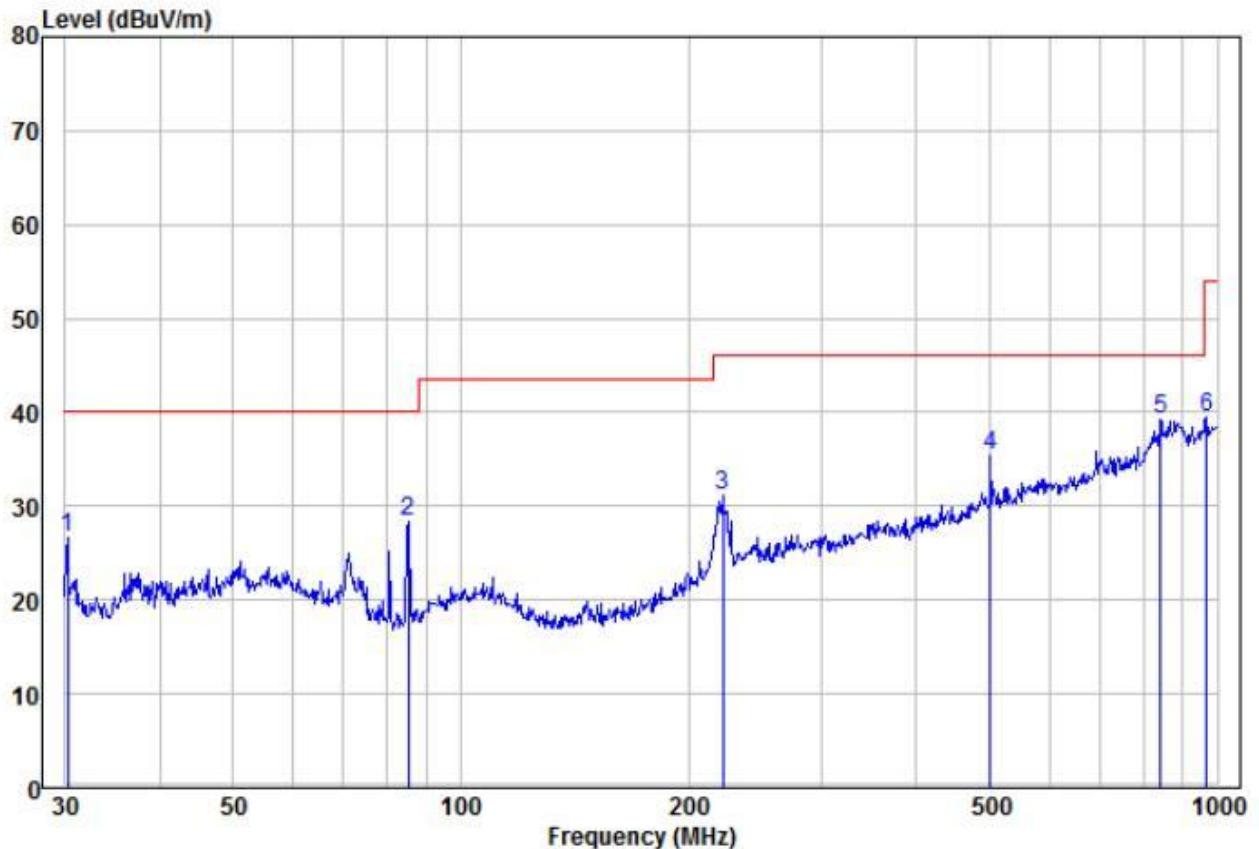
Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

## 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:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |                                  |                 |            |                           |
| <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 (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.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</li> </ol> <p><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 middle 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                                                                                                                                                                                                                                                                          | 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                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p>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.</p> |                                  |                 |            |                           |
| Test result:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                    | PASS                             |                 |            |                           |

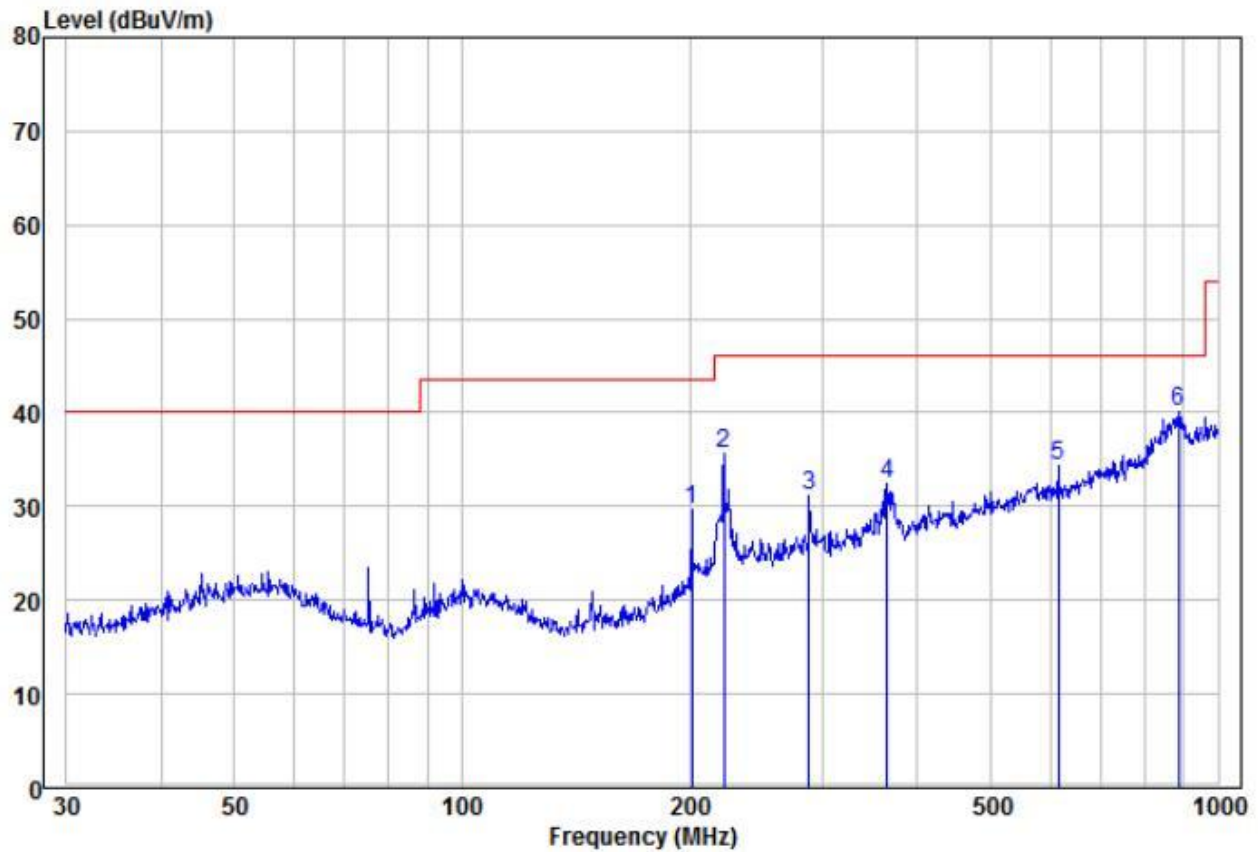
**Test Data:**  
**Radiated Emission below 1GHz**  
**ANT1+ANT2:**

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



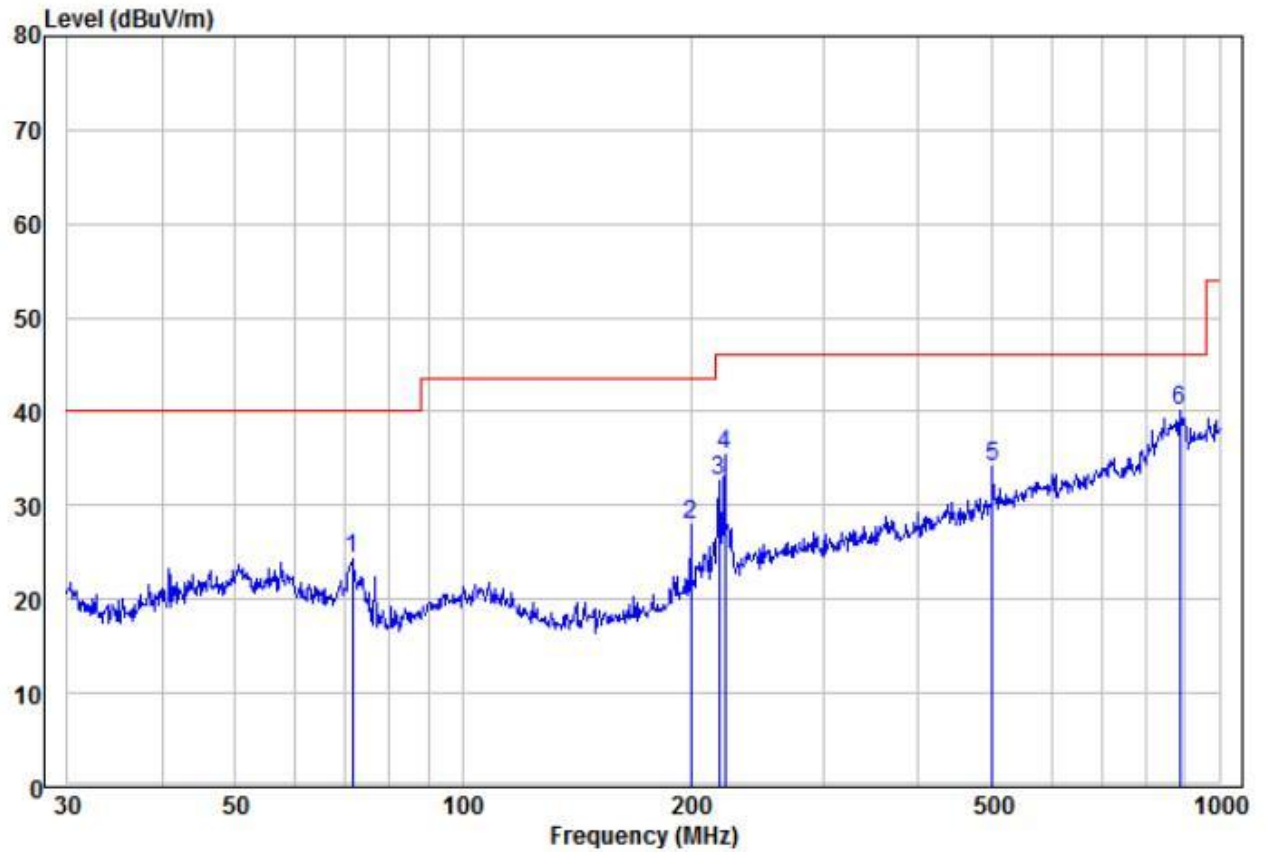
|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase | APos | TPos |
|------|--------|------------|--------|--------|------------|------------|--------|-----------|------|------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |           | cm   | deg  |
| 1    | 30.21  | 18.52      | 8.15   | 26.67  | 40.00      | -13.33     | Peak   | VERTICAL  | 100  | 228  |
| 2    | 85.30  | 19.38      | 9.05   | 28.43  | 40.00      | -11.57     | Peak   | VERTICAL  | 100  | 117  |
| 3    | 222.17 | 18.01      | 13.16  | 31.17  | 46.00      | -14.83     | Peak   | VERTICAL  | 100  | 106  |
| 4    | 501.18 | 14.45      | 20.94  | 35.39  | 46.00      | -10.61     | Peak   | VERTICAL  | 100  | 230  |
| 5 pp | 842.13 | 10.83      | 28.33  | 39.16  | 46.00      | -6.84      | Peak   | VERTICAL  | 100  | 236  |
| 6    | 968.93 | 11.30      | 28.10  | 39.40  | 54.00      | -14.60     | Peak   | VERTICAL  | 100  | 127  |

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



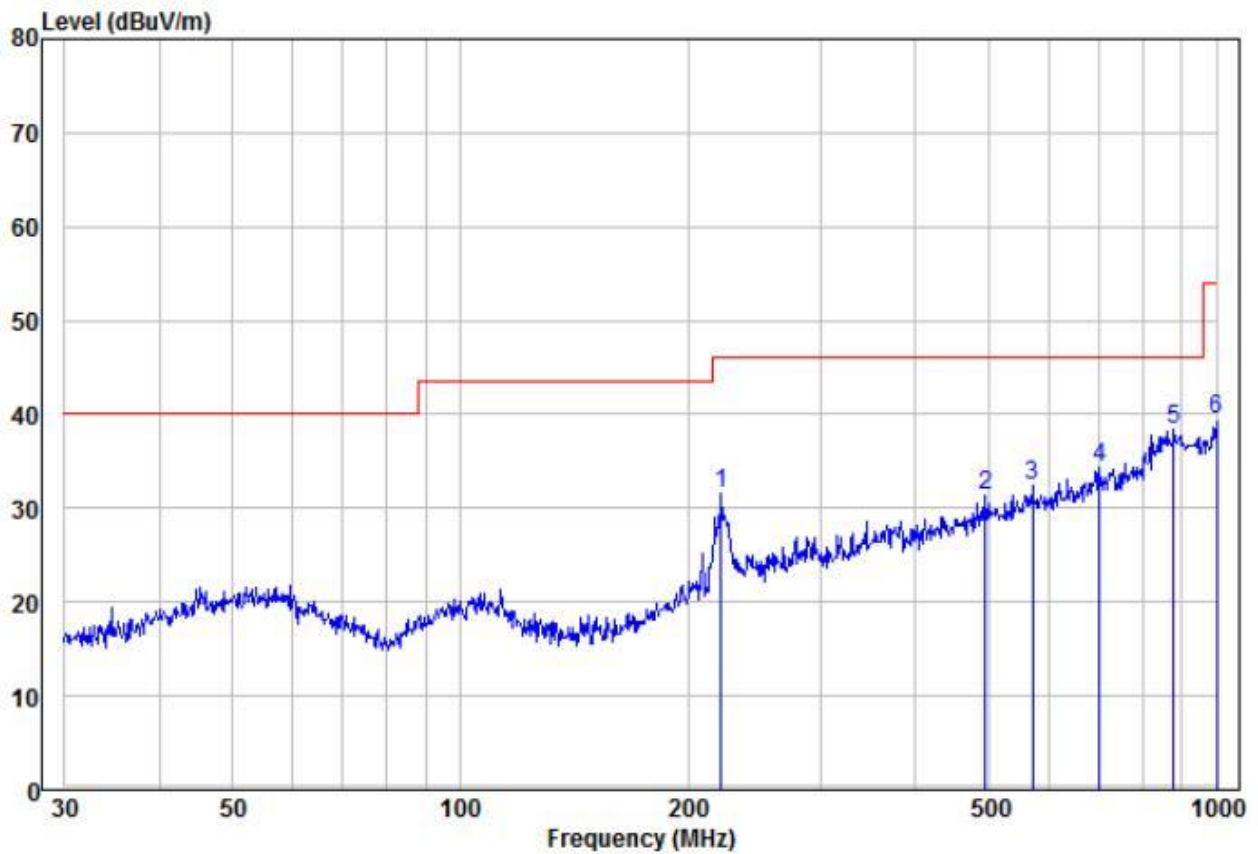
|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase  | APos | TPos |
|------|--------|------------|--------|--------|------------|------------|--------|------------|------|------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |            | cm   | deg  |
| 1    | 201.39 | 17.32      | 12.36  | 29.68  | 43.50      | -13.82     | Peak   | HORIZONTAL | 100  | 79   |
| 2    | 222.17 | 22.40      | 13.16  | 35.56  | 46.00      | -10.44     | Peak   | HORIZONTAL | 100  | 82   |
| 3    | 287.99 | 14.54      | 16.59  | 31.13  | 46.00      | -14.87     | Peak   | HORIZONTAL | 100  | 102  |
| 4    | 365.54 | 13.84      | 18.53  | 32.37  | 46.00      | -13.63     | Peak   | HORIZONTAL | 100  | 63   |
| 5    | 614.21 | 11.83      | 22.44  | 34.27  | 46.00      | -11.73     | Peak   | HORIZONTAL | 100  | 330  |
| 6 pp | 887.61 | 11.09      | 29.09  | 40.18  | 46.00      | -5.82      | Peak   | HORIZONTAL | 100  | 254  |

| 30MHz~1GHz |                              |          |
|------------|------------------------------|----------|
| Test mode: | Transmitting (802.11ac 52CH) | Vertical |



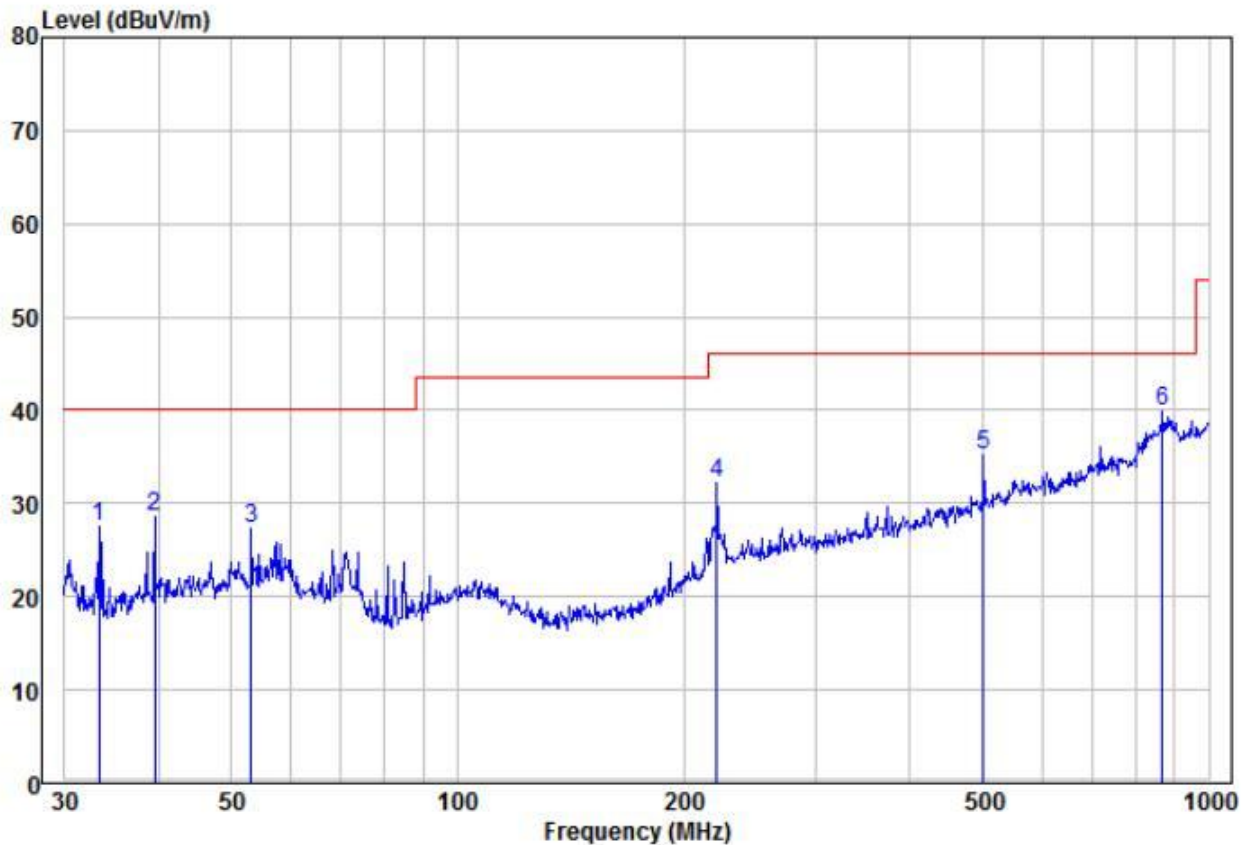
|      | Freq   | Read Level | Factor | Level  | Limit  | Over Limit | Remark | Pol/Phase | APos | TPos |
|------|--------|------------|--------|--------|--------|------------|--------|-----------|------|------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m | dB         |        |           | cm   | deg  |
| 1    | 71.33  | 15.01      | 9.37   | 24.38  | 40.00  | -15.62     | Peak   | VERTICAL  | 100  | 196  |
| 2    | 199.99 | 15.72      | 12.32  | 28.04  | 43.50  | -15.46     | Peak   | VERTICAL  | 100  | 62   |
| 3    | 218.31 | 19.89      | 12.84  | 32.73  | 46.00  | -13.27     | Peak   | VERTICAL  | 100  | 253  |
| 4    | 222.17 | 22.31      | 13.16  | 35.47  | 46.00  | -10.53     | Peak   | VERTICAL  | 100  | 266  |
| 5    | 501.18 | 13.09      | 20.94  | 34.03  | 46.00  | -11.97     | Peak   | VERTICAL  | 100  | 114  |
| 6 pp | 887.61 | 10.93      | 29.09  | 40.02  | 46.00  | -5.98      | Peak   | VERTICAL  | 100  | 250  |

|            |                              |            |
|------------|------------------------------|------------|
| Test mode: | Transmitting (802.11ac 52CH) | Horizontal |
|------------|------------------------------|------------|



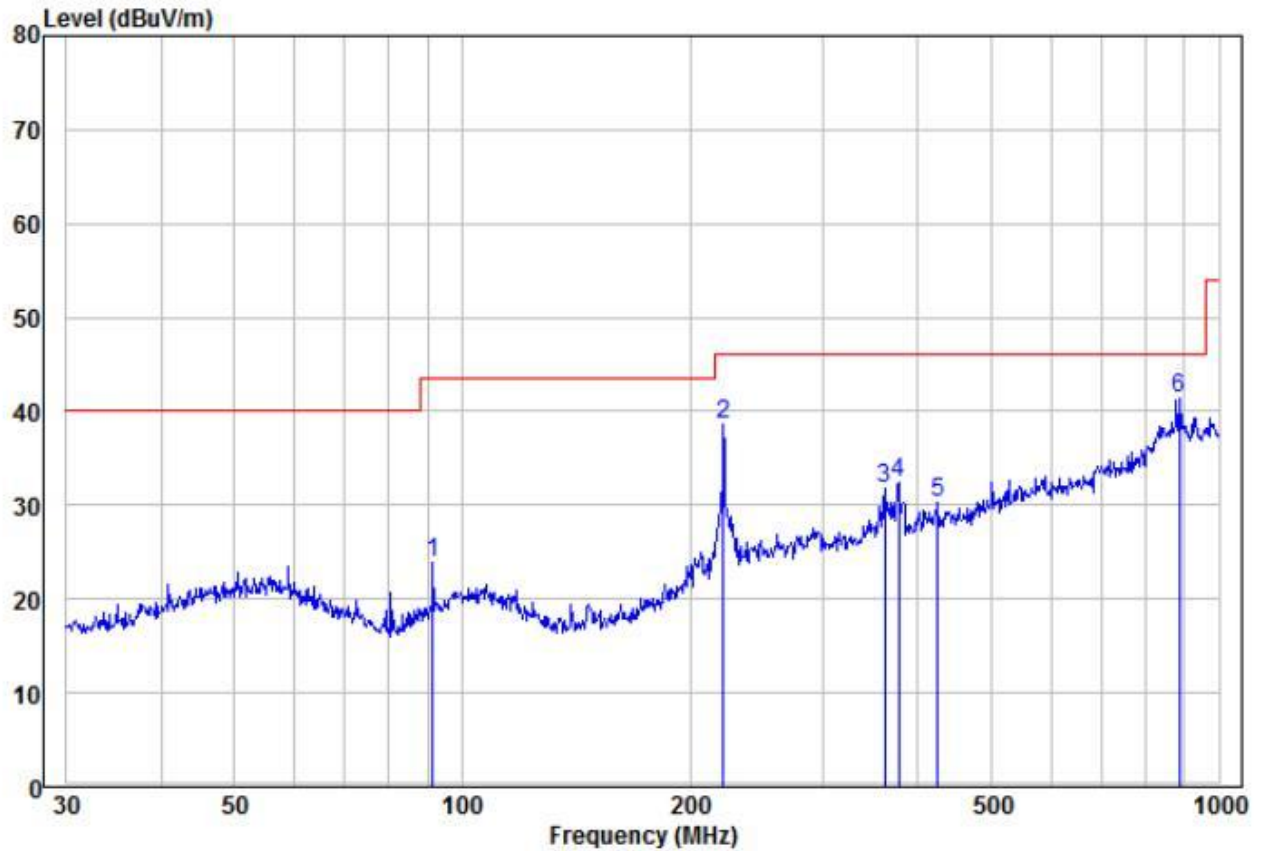
|      | Freq    | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase  | APos | TPos |
|------|---------|------------|--------|--------|------------|------------|--------|------------|------|------|
|      | MHz     | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |            | cm   | deg  |
| 1    | 221.39  | 18.61      | 13.06  | 31.67  | 46.00      | -14.33     | Peak   | HORIZONTAL | 100  | 228  |
| 2    | 495.93  | 10.55      | 20.80  | 31.35  | 46.00      | -14.65     | Peak   | HORIZONTAL | 100  | 84   |
| 3    | 570.61  | 10.23      | 22.10  | 32.33  | 46.00      | -13.67     | Peak   | HORIZONTAL | 100  | 106  |
| 4    | 701.76  | 10.52      | 23.77  | 34.29  | 46.00      | -11.71     | Peak   | HORIZONTAL | 100  | 155  |
| 5 pp | 878.32  | 9.47       | 28.94  | 38.41  | 46.00      | -7.59      | Peak   | HORIZONTAL | 100  | 127  |
| 6    | 1000.00 | 11.27      | 28.30  | 39.57  | 54.00      | -14.43     | Peak   | HORIZONTAL | 100  | 214  |

| 30MHz~1GHz |                               |          |
|------------|-------------------------------|----------|
| Test mode: | Transmitting (802.11ac 100CH) | Vertical |



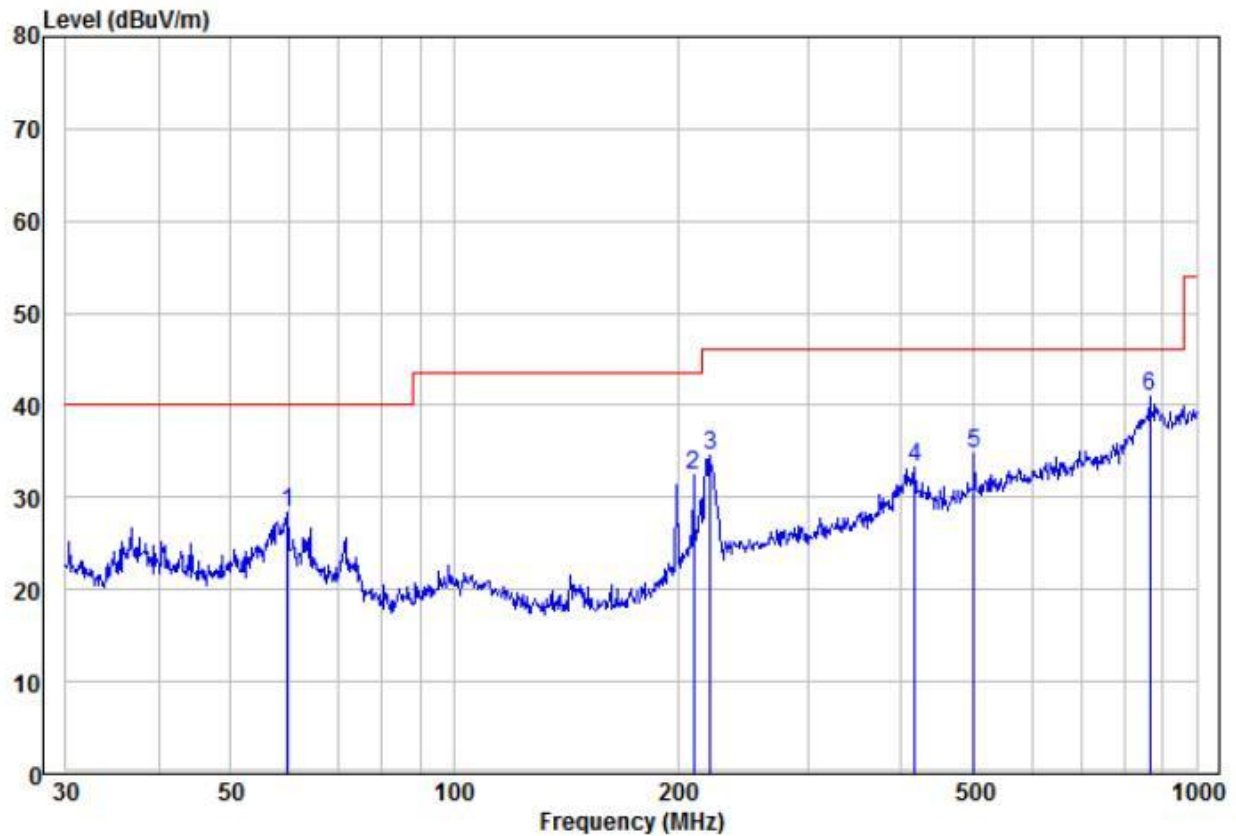
|      | Read   |        | Limit  | Over   |       |             | APos      | TPos    |
|------|--------|--------|--------|--------|-------|-------------|-----------|---------|
| Freq | Level  | Factor | Level  | Line   | Limit | Remark      | Pol/Phase |         |
| MHz  | dBuV   | dB/m   | dBuV/m | dBuV/m | dB    |             |           | cm deg  |
| 1    | 33.33  | 18.92  | 8.65   | 27.57  | 40.00 | -12.43 Peak | VERTICAL  | 100 196 |
| 2    | 39.58  | 18.10  | 10.50  | 28.60  | 40.00 | -11.40 Peak | VERTICAL  | 100 117 |
| 3    | 53.13  | 14.51  | 12.73  | 27.24  | 40.00 | -12.76 Peak | VERTICAL  | 100 120 |
| 4    | 221.39 | 19.16  | 13.06  | 32.22  | 46.00 | -13.78 Peak | VERTICAL  | 100 355 |
| 5    | 501.18 | 14.24  | 20.94  | 35.18  | 46.00 | -10.82 Peak | VERTICAL  | 100 120 |
| 6 pp | 869.13 | 11.16  | 28.78  | 39.94  | 46.00 | -6.06 Peak  | VERTICAL  | 100 229 |

|            |                               |            |
|------------|-------------------------------|------------|
| Test mode: | Transmitting (802.11ac 100CH) | Horizontal |
|------------|-------------------------------|------------|



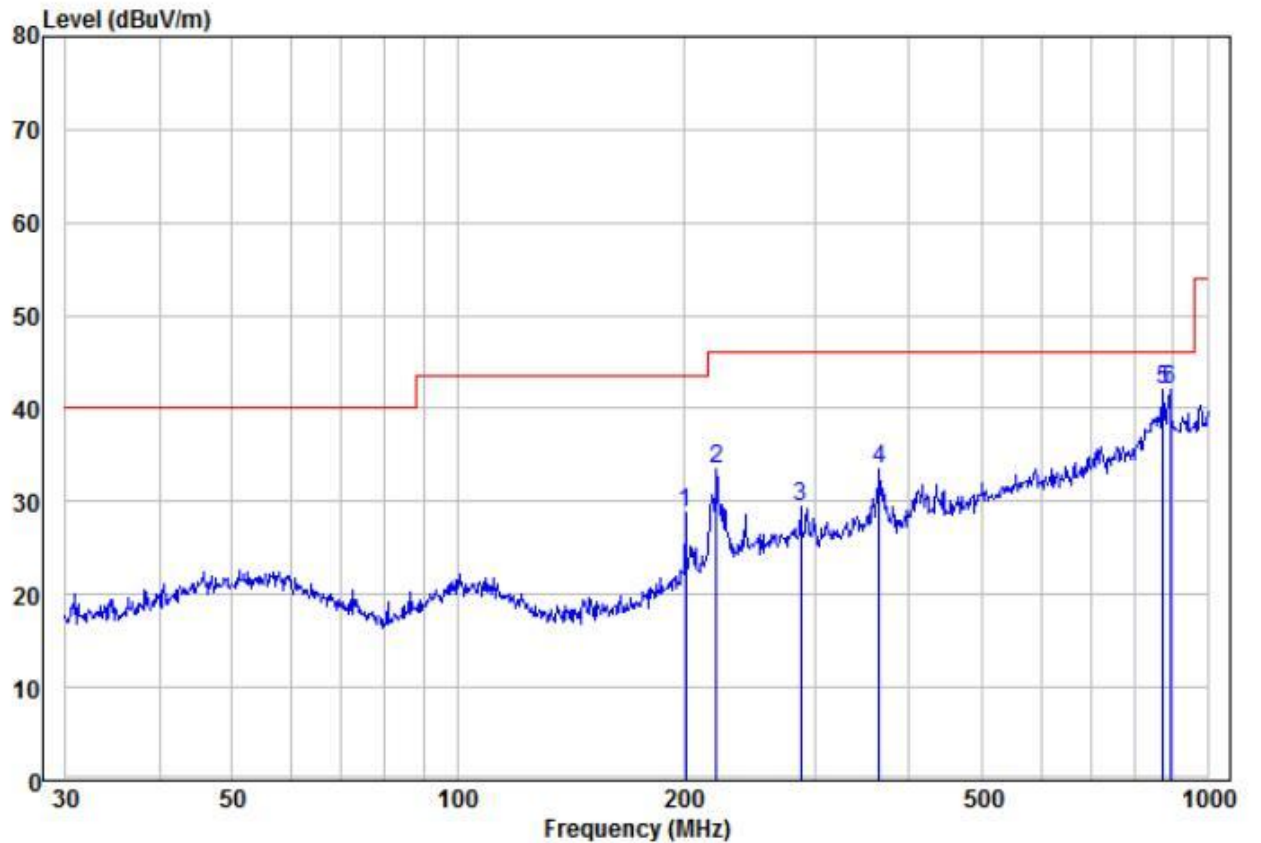
|      | Read   |        | Limit  | Over   |       |             | APos       | TPos    |
|------|--------|--------|--------|--------|-------|-------------|------------|---------|
| Freq | Level  | Factor | Level  | Line   | Limit | Remark      | Pol/Phase  |         |
| MHz  | dBuV   | dB/m   | dBuV/m | dBuV/m | dB    |             |            | cm deg  |
| 1    | 91.49  | 13.53  | 10.46  | 23.99  | 43.50 | -19.51 Peak | HORIZONTAL | 100 214 |
| 2    | 221.39 | 25.48  | 13.06  | 38.54  | 46.00 | -7.46 Peak  | HORIZONTAL | 100 215 |
| 3    | 361.71 | 13.44  | 18.44  | 31.88  | 46.00 | -14.12 Peak | HORIZONTAL | 100 118 |
| 4    | 377.26 | 14.63  | 17.82  | 32.45  | 46.00 | -13.55 Peak | HORIZONTAL | 100 217 |
| 5    | 425.03 | 11.45  | 18.91  | 30.36  | 46.00 | -15.64 Peak | HORIZONTAL | 100 118 |
| 6 pp | 887.61 | 12.23  | 29.09  | 41.32  | 46.00 | -4.68 Peak  | HORIZONTAL | 100 284 |

| 30MHz~1GHz |                               |          |
|------------|-------------------------------|----------|
| Test mode: | Transmitting (802.11ac 149CH) | Vertical |



|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase | APos | TPos |
|------|--------|------------|--------|--------|------------|------------|--------|-----------|------|------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |           | cm   | deg  |
| 1    | 59.65  | 16.30      | 12.14  | 28.44  | 40.00      | -11.56     | Peak   | VERTICAL  | 100  | 254  |
| 2    | 210.05 | 19.75      | 12.60  | 32.35  | 43.50      | -11.15     | Peak   | VERTICAL  | 100  | 30   |
| 3    | 221.39 | 21.53      | 13.06  | 34.59  | 46.00      | -11.41     | Peak   | VERTICAL  | 100  | 165  |
| 4    | 417.64 | 14.45      | 18.75  | 33.20  | 46.00      | -12.80     | Peak   | VERTICAL  | 100  | 240  |
| 5    | 501.18 | 13.84      | 20.94  | 34.78  | 46.00      | -11.22     | Peak   | VERTICAL  | 100  | 288  |
| 6 pp | 866.09 | 12.27      | 28.73  | 41.00  | 46.00      | -5.00      | Peak   | VERTICAL  | 100  | 156  |

|            |                               |            |
|------------|-------------------------------|------------|
| Test mode: | Transmitting (802.11ac 149CH) | Horizontal |
|------------|-------------------------------|------------|



|      | Read   |        |        | Limit  | Over  |             |            | APos | TPos |
|------|--------|--------|--------|--------|-------|-------------|------------|------|------|
| Freq | Level  | Factor | Level  | Line   | Limit | Remark      | Pol/Phase  |      |      |
| MHz  | dBuV   | dB/m   | dBuV/m | dBuV/m | dB    |             |            | cm   | deg  |
| 1    | 201.39 | 16.39  | 12.36  | 28.75  | 43.50 | -14.75 Peak | HORIZONTAL | 100  | 102  |
| 2    | 221.39 | 20.33  | 13.06  | 33.39  | 46.00 | -12.61 Peak | HORIZONTAL | 100  | 226  |
| 3    | 286.98 | 12.95  | 16.57  | 29.52  | 46.00 | -16.48 Peak | HORIZONTAL | 100  | 265  |
| 4    | 365.54 | 15.04  | 18.53  | 33.57  | 46.00 | -12.43 Peak | HORIZONTAL | 100  | 219  |
| 5    | 872.18 | 13.12  | 28.84  | 41.96  | 46.00 | -4.04 Peak  | HORIZONTAL | 100  | 222  |
| 6 pp | 890.73 | 12.86  | 29.15  | 42.01  | 46.00 | -3.99 Peak  | HORIZONTAL | 100  | 201  |

### Transmitter Emission above 1GHz

| Test mode: | 802.11a(6Mbps) |        |                | Test channel: |        | 36 CH          |           |                |             |
|------------|----------------|--------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading  | Factor | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)         | (dB)   | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 10360      | 53.92          | 2.26   | 56.18          | 74            | -17.82 | peak           | H         | 1.5            | 141         |
| 10360      | 37.20          | 2.26   | 39.46          | 54            | -14.54 | AVG            | H         | 1.5            | 351         |
| 15540      | 52.22          | 3.75   | 55.97          | 74            | -18.03 | peak           | H         | 1.5            | 115         |
| 15540      | 37.13          | 3.75   | 40.88          | 54            | -13.12 | AVG            | H         | 1.5            | 59          |
| 10360      | 56.08          | 2.26   | 58.34          | 74            | -15.66 | peak           | V         | 1.5            | 330         |
| 10360      | 39.11          | 2.26   | 41.37          | 54            | -12.63 | AVG            | V         | 1.5            | 14          |
| 15540      | 50.64          | 3.75   | 54.39          | 74            | -19.61 | peak           | V         | 1.5            | 277         |
| 15540      | 36.29          | 3.75   | 40.04          | 54            | -13.96 | AVG            | V         | 1.5            | 191         |

| Test mode: | 802.11a(6Mbps) |        |                | Test channel: |        | 48 CH          |           |                |             |
|------------|----------------|--------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading  | Factor | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)         | (dB)   | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 10480      | 52.83          | 2.31   | 55.14          | 74            | -18.86 | peak           | H         | 1.5            | 198         |
| 10480      | 37.48          | 2.31   | 39.79          | 54            | -14.21 | AVG            | H         | 1.5            | 40          |
| 15720      | 48.50          | 3.79   | 52.29          | 74            | -21.71 | peak           | H         | 1.5            | 37          |
| 15720      | 35.95          | 3.79   | 39.74          | 54            | -14.26 | AVG            | H         | 1.5            | 332         |
| 10480      | 53.52          | 2.31   | 55.83          | 74            | -18.17 | peak           | V         | 1.5            | 273         |
| 10480      | 36.64          | 2.31   | 38.95          | 54            | -15.05 | AVG            | V         | 1.5            | 352         |
| 15720      | 48.27          | 3.79   | 52.06          | 74            | -21.94 | peak           | V         | 1.5            | 313         |
| 15720      | 36.39          | 3.79   | 40.18          | 54            | -13.82 | AVG            | V         | 1.5            | 300         |

| Test mode: | 802.11a(6Mbps) |        |                | Test channel: |        | 52 CH          |           |                |             |
|------------|----------------|--------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading  | Factor | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)         | (dB)   | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 10520      | 53.69          | 2.26   | 55.95          | 74            | -18.05 | peak           | H         | 1.5            | 113         |
| 10520      | 36.75          | 2.26   | 39.01          | 54            | -14.99 | AVG            | H         | 1.5            | 56          |
| 15780      | 50.93          | 3.75   | 54.68          | 74            | -19.32 | peak           | H         | 1.5            | 171         |
| 15780      | 37.29          | 3.75   | 41.04          | 54            | -12.96 | AVG            | H         | 1.5            | 146         |
| 10520      | 54.74          | 2.26   | 57.00          | 74            | -17.00 | peak           | V         | 1.5            | 52          |
| 10520      | 38.71          | 2.26   | 40.97          | 54            | -13.03 | AVG            | V         | 1.5            | 38          |
| 15780      | 51.25          | 3.75   | 55.00          | 74            | -19.00 | peak           | V         | 1.5            | 297         |
| 15780      | 35.42          | 3.75   | 39.17          | 54            | -14.83 | AVG            | V         | 1.5            | 191         |

| Test mode: | 802.11a(6Mbps) |        |                | Test channel: |        | 64 CH          |           |                |             |
|------------|----------------|--------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading  | Factor | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)         | (dB)   | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 10640      | 52.15          | 2.31   | 54.46          | 74            | -19.54 | peak           | H         | 1.5            | 226         |
| 10640      | 36.40          | 2.31   | 38.71          | 54            | -15.29 | AVG            | H         | 1.5            | 253         |
| 15960      | 48.30          | 3.79   | 52.09          | 74            | -21.91 | peak           | H         | 1.5            | 108         |
| 15960      | 36.42          | 3.79   | 40.21          | 54            | -13.79 | AVG            | H         | 1.5            | 197         |
| 10640      | 53.99          | 2.31   | 56.30          | 74            | -17.70 | peak           | V         | 1.5            | 6           |
| 10640      | 37.94          | 2.31   | 40.25          | 54            | -13.75 | AVG            | V         | 1.5            | 313         |
| 15960      | 48.59          | 3.79   | 52.38          | 74            | -21.62 | peak           | V         | 1.5            | 74          |
| 15960      | 36.21          | 3.79   | 40.00          | 54            | -14.00 | AVG            | V         | 1.5            | 243         |

| Test mode: | 802.11a(6Mbps) |        |                | Test channel: |        | 100            |           |                |             |
|------------|----------------|--------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading  | Factor | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)         | (dB)   | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 11000      | 53.16          | 2.54   | 55.70          | 74            | -18.30 | peak           | H         | 1.5            | 208         |
| 11000      | 38.79          | 2.54   | 41.33          | 54            | -12.67 | AVG            | H         | 1.5            | 111         |
| 16500      | 49.46          | 3.94   | 53.40          | 74            | -20.60 | peak           | H         | 1.5            | 127         |
| 16500      | 37.03          | 3.94   | 40.97          | 54            | -13.03 | AVG            | H         | 1.5            | 10          |
| 11000      | 54.01          | 2.54   | 56.55          | 74            | -17.45 | peak           | V         | 1.5            | 347         |
| 11000      | 37.89          | 2.54   | 40.43          | 54            | -13.57 | AVG            | V         | 1.5            | 141         |
| 16500      | 50.46          | 3.94   | 54.40          | 74            | -19.60 | peak           | V         | 1.5            | 159         |
| 16500      | 36.40          | 3.94   | 40.34          | 54            | -13.66 | AVG            | V         | 1.5            | 300         |

| Test mode: | 802.11a(6Mbps) |        |                | Test channel: |        | 144            |           |                |             |
|------------|----------------|--------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading  | Factor | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)         | (dB)   | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 11440      | 52.60          | 2.58   | 55.18          | 74            | -18.82 | peak           | H         | 1.5            | 209         |
| 11440      | 38.88          | 2.58   | 41.46          | 54            | -12.54 | AVG            | H         | 1.5            | 172         |
| 17160      | 49.95          | 4.02   | 53.97          | 74            | -20.03 | peak           | H         | 1.5            | 339         |
| 17160      | 37.15          | 4.02   | 41.17          | 54            | -12.83 | AVG            | H         | 1.5            | 49          |
| 11440      | 55.04          | 2.58   | 57.62          | 74            | -16.38 | peak           | V         | 1.5            | 267         |
| 11440      | 37.92          | 2.58   | 40.50          | 54            | -13.50 | AVG            | V         | 1.5            | 7           |
| 17160      | 49.30          | 4.02   | 53.32          | 74            | -20.68 | peak           | V         | 1.5            | 202         |
| 17160      | 37.84          | 4.02   | 41.86          | 54            | -12.14 | AVG            | V         | 1.5            | 4           |

| Test mode: | 802.11a(6Mbps) |        |                | Test channel: |        | 149            |           |                |             |
|------------|----------------|--------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading  | Factor | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)         | (dB)   | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 11490      | 51.80          | 2.54   | 54.34          | 74            | -19.66 | peak           | H         | 1.5            | 61          |
| 11490      | 38.58          | 2.54   | 41.12          | 54            | -12.88 | AVG            | H         | 1.5            | 280         |
| 17235      | 50.11          | 3.94   | 54.05          | 74            | -19.95 | peak           | H         | 1.5            | 104         |
| 17235      | 37.39          | 3.94   | 41.33          | 54            | -12.67 | AVG            | H         | 1.5            | 249         |
| 11490      | 53.83          | 2.54   | 56.37          | 74            | -17.63 | peak           | V         | 1.5            | 244         |
| 11490      | 38.34          | 2.54   | 40.88          | 54            | -13.12 | AVG            | V         | 1.5            | 123         |
| 17235      | 51.24          | 3.94   | 55.18          | 74            | -18.82 | peak           | V         | 1.5            | 132         |
| 17235      | 36.42          | 3.94   | 40.36          | 54            | -13.64 | AVG            | V         | 1.5            | 66          |

| Test mode: | 802.11a(6Mbps) |        |                | Test channel: |        | 165            |           |                |             |
|------------|----------------|--------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading  | Factor | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)         | (dB)   | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 11650      | 51.37          | 2.58   | 53.95          | 74            | -20.05 | peak           | H         | 1.5            | 330         |
| 11650      | 38.93          | 2.58   | 41.51          | 54            | -12.49 | AVG            | H         | 1.5            | 81          |
| 17475      | 51.22          | 4.02   | 55.24          | 74            | -18.76 | peak           | H         | 1.5            | 250         |
| 17475      | 37.13          | 4.02   | 41.15          | 54            | -12.85 | AVG            | H         | 1.5            | 47          |
| 11650      | 54.66          | 2.58   | 57.24          | 74            | -16.76 | peak           | V         | 1.5            | 355         |
| 11650      | 37.91          | 2.58   | 40.49          | 54            | -13.51 | AVG            | V         | 1.5            | 19          |
| 17475      | 49.88          | 4.02   | 53.90          | 74            | -20.10 | peak           | V         | 1.5            | 96          |
| 17475      | 36.69          | 4.02   | 40.71          | 54            | -13.29 | AVG            | V         | 1.5            | 323         |

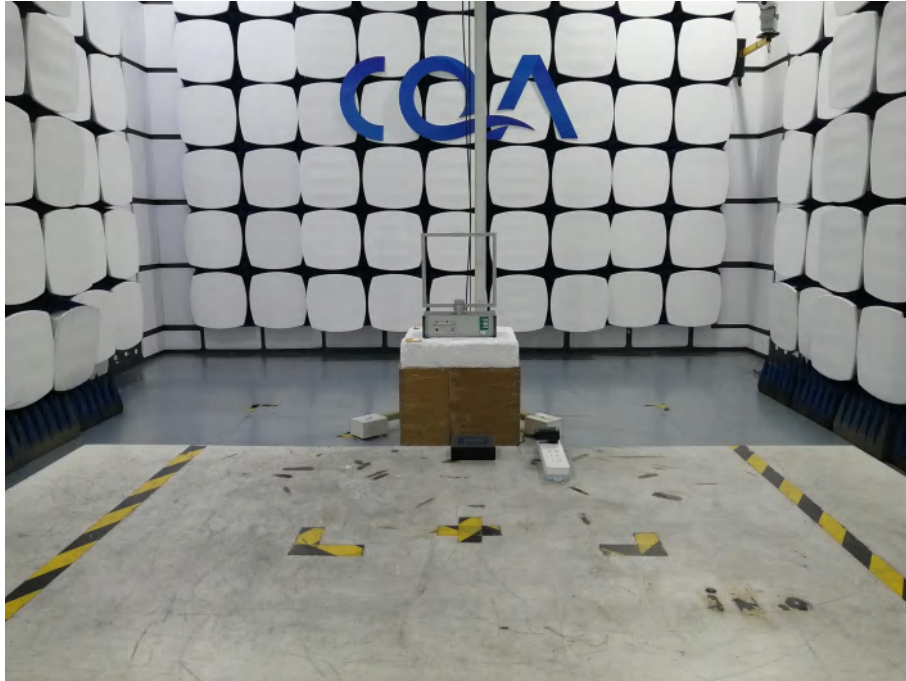
Remark:

- 1) The 802.11a 6Mbps of rate is the worst case, only the worst data 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 + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 40GHz, The disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

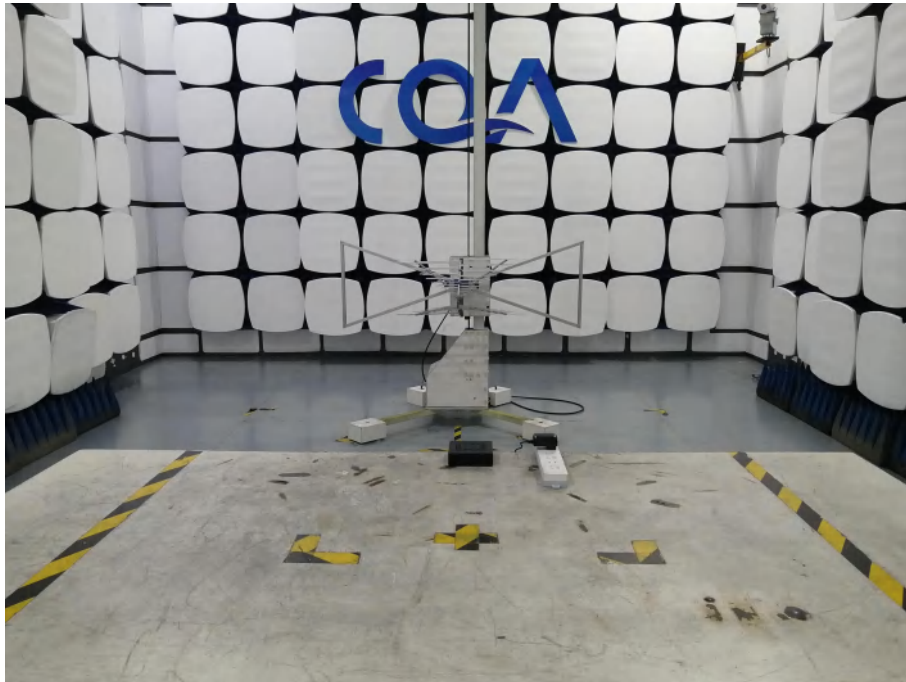
## 8 Photographs - EUT Test Setup

### 8.1 Radiated Spurious Emission

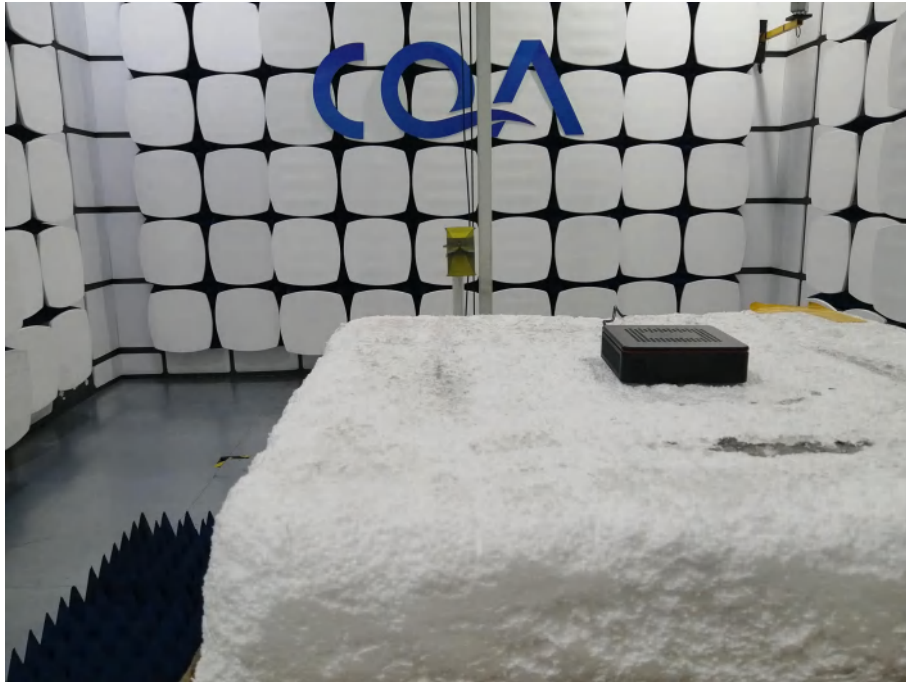
9kHz~30MHz:



30MHz~1GHz:



Above 1GHz:



## 8.2 Conducted Emission



## 9 Photographs - EUT Constructional Details

Refer to PHOTOGRAPHS OF EUT for CQASZ20260100282E-01.

\*\*\* END OF REPORT \*\*\*