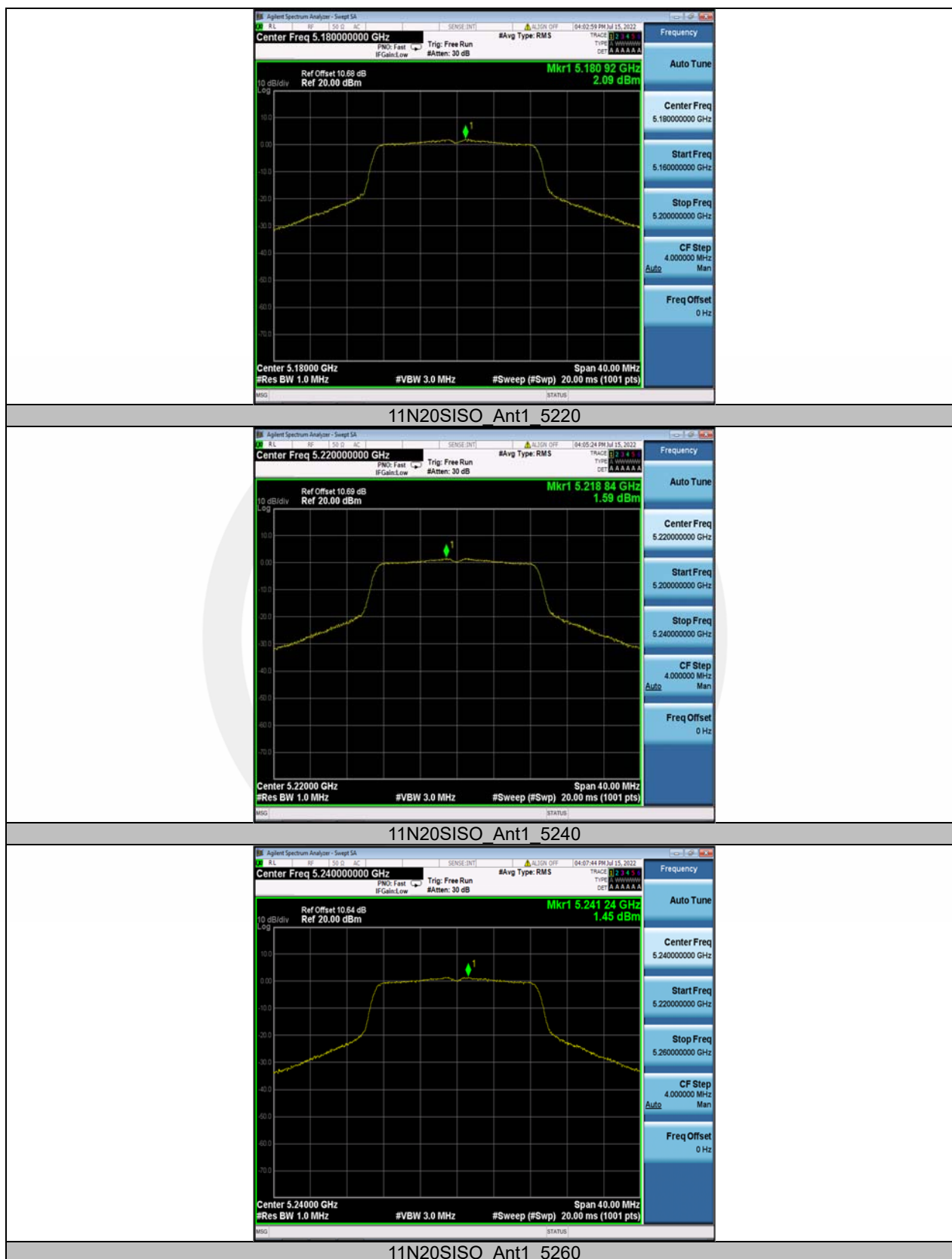
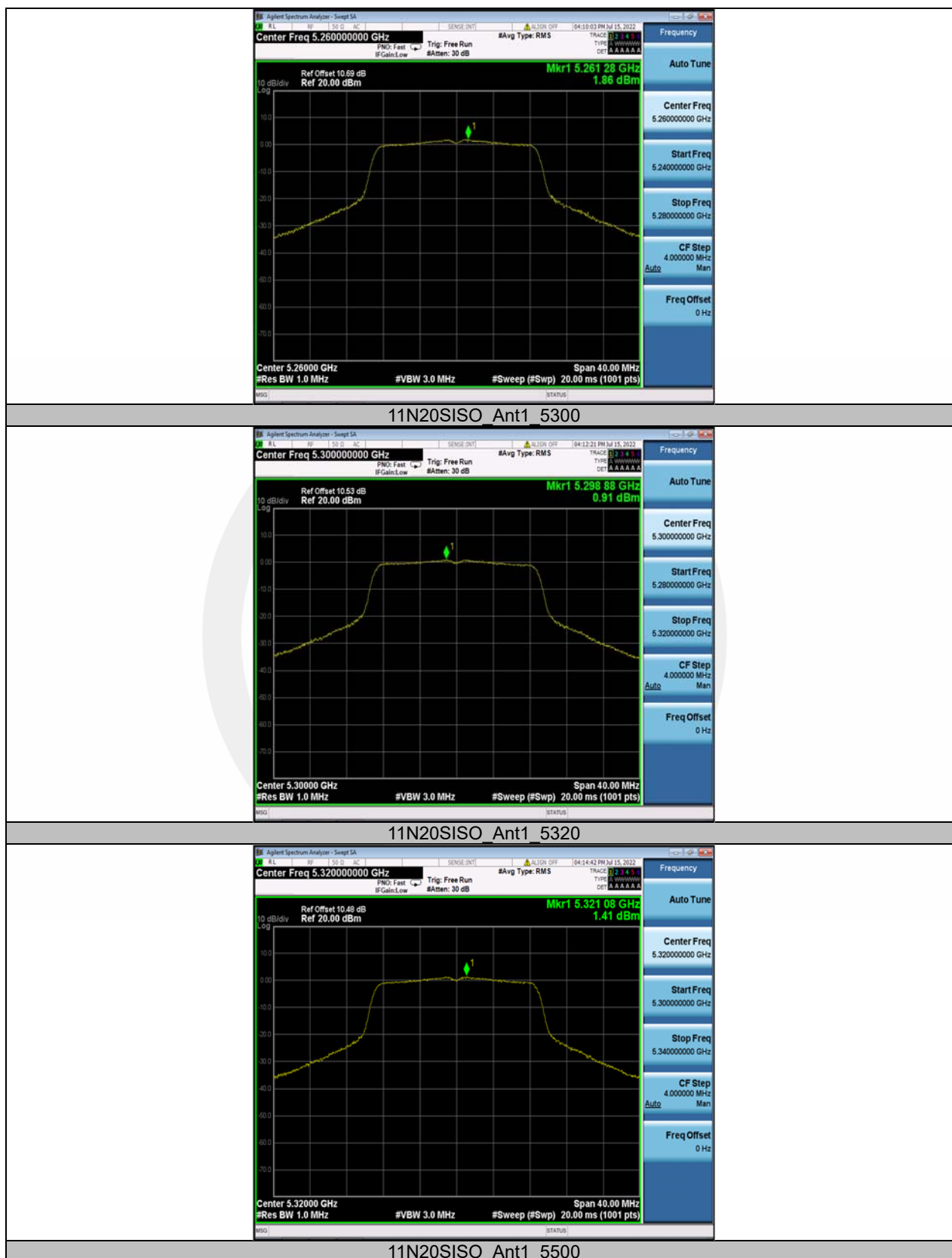
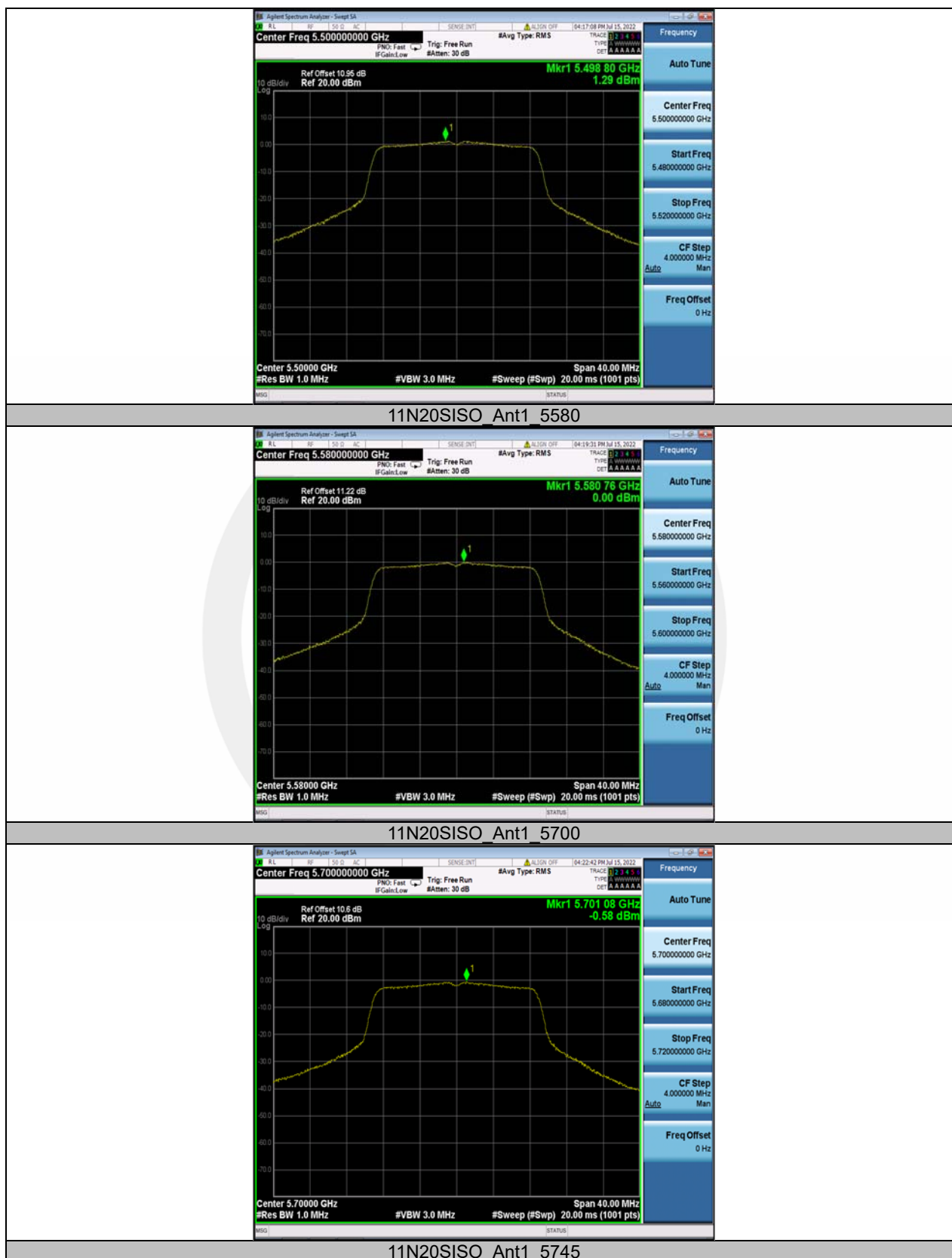
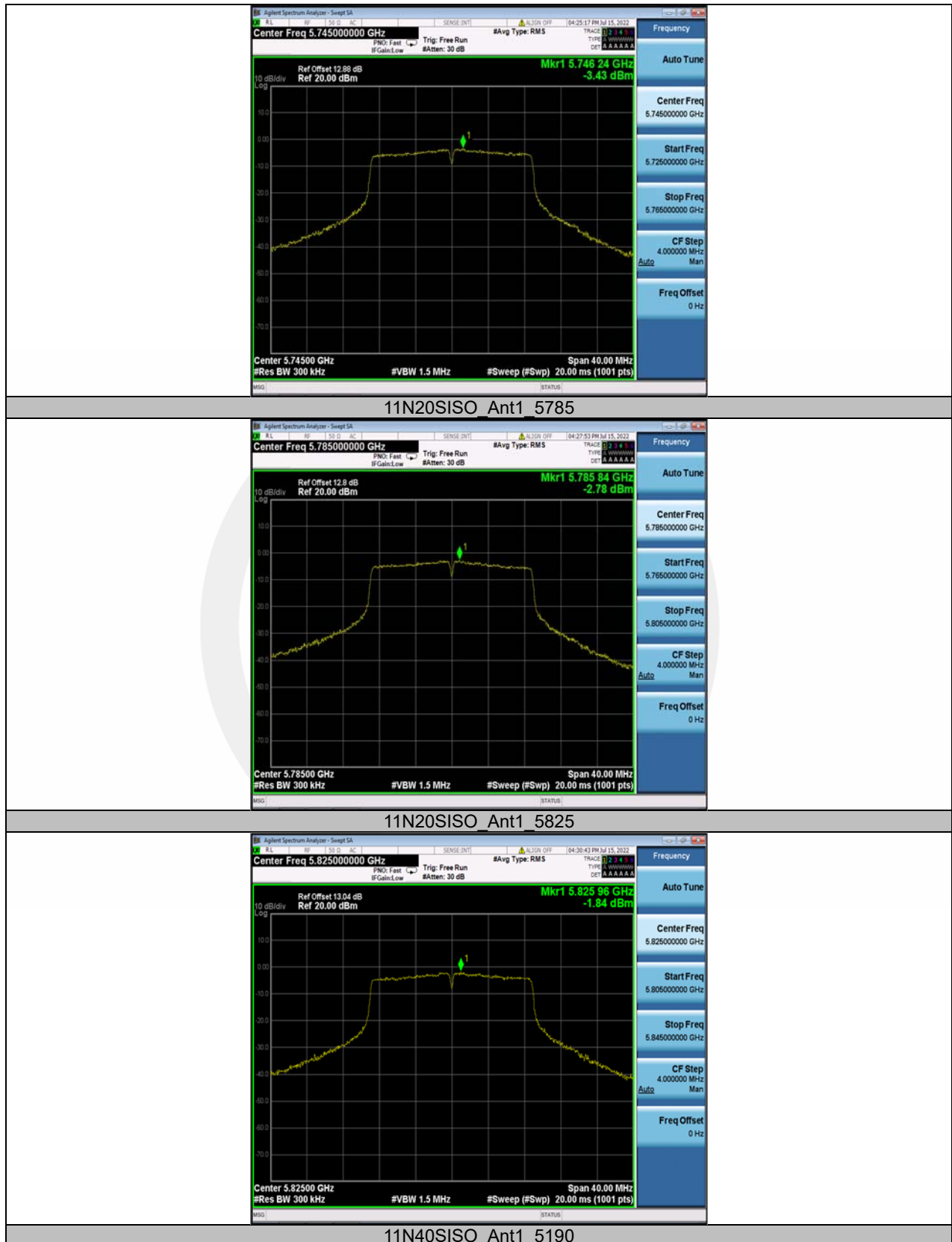
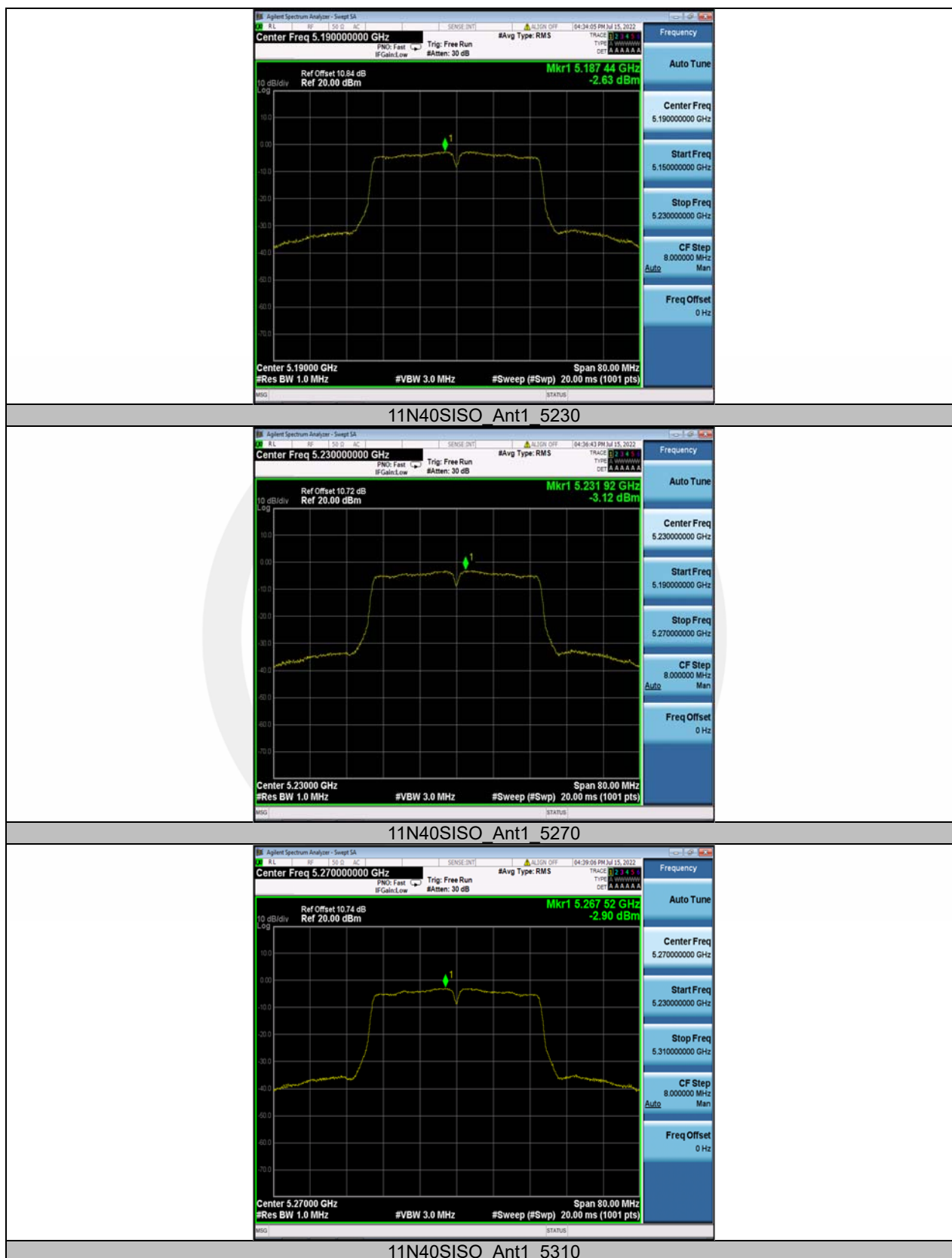


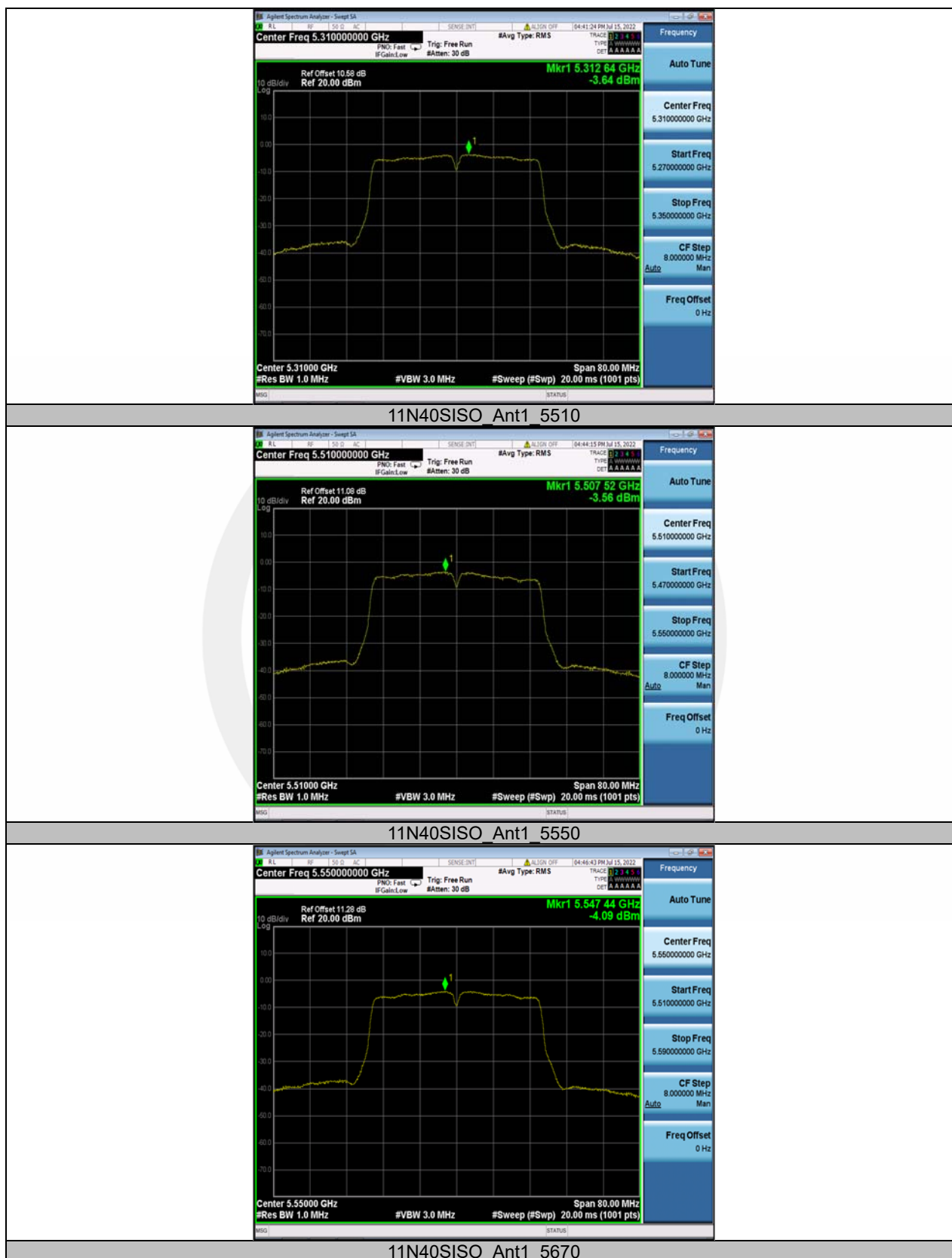


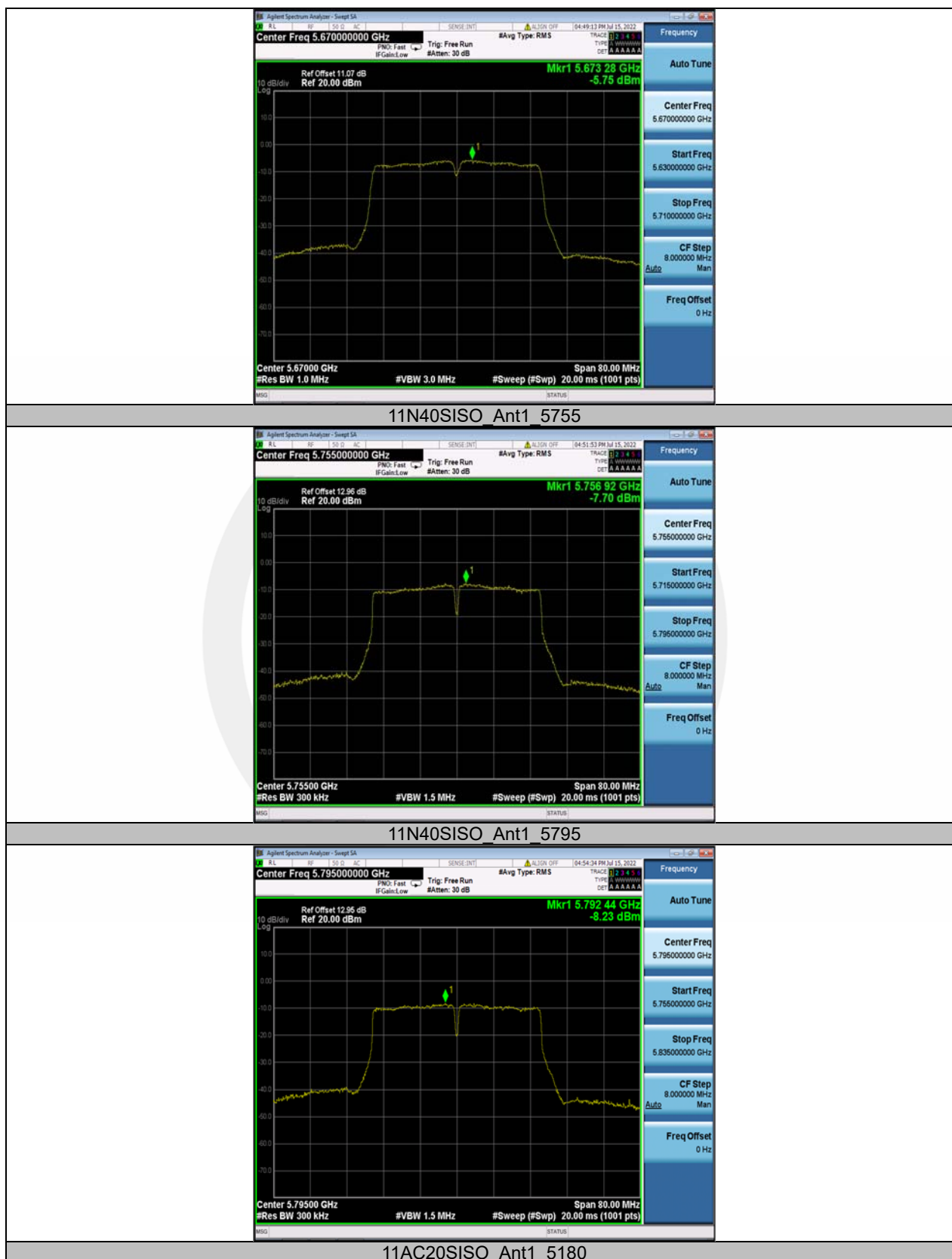


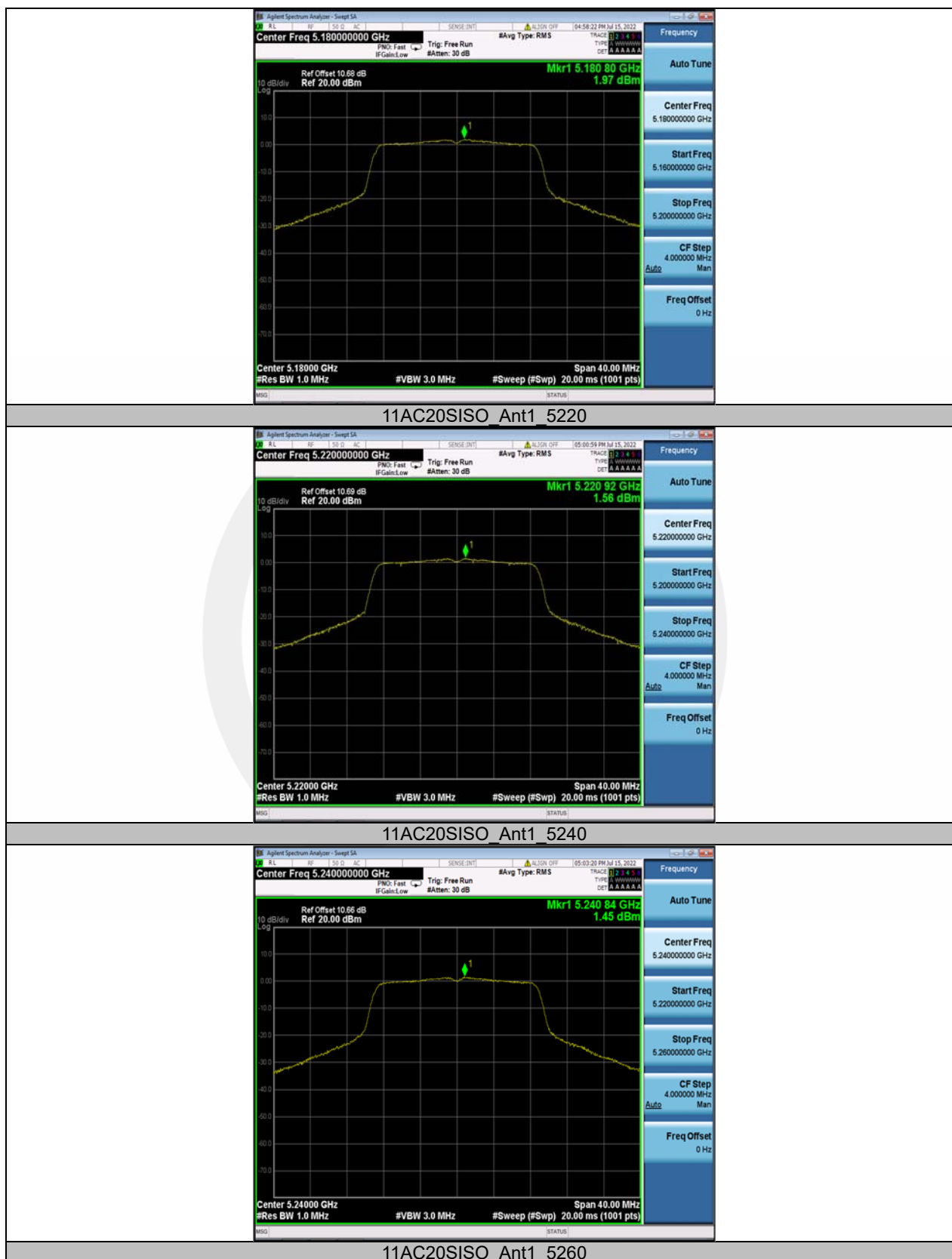


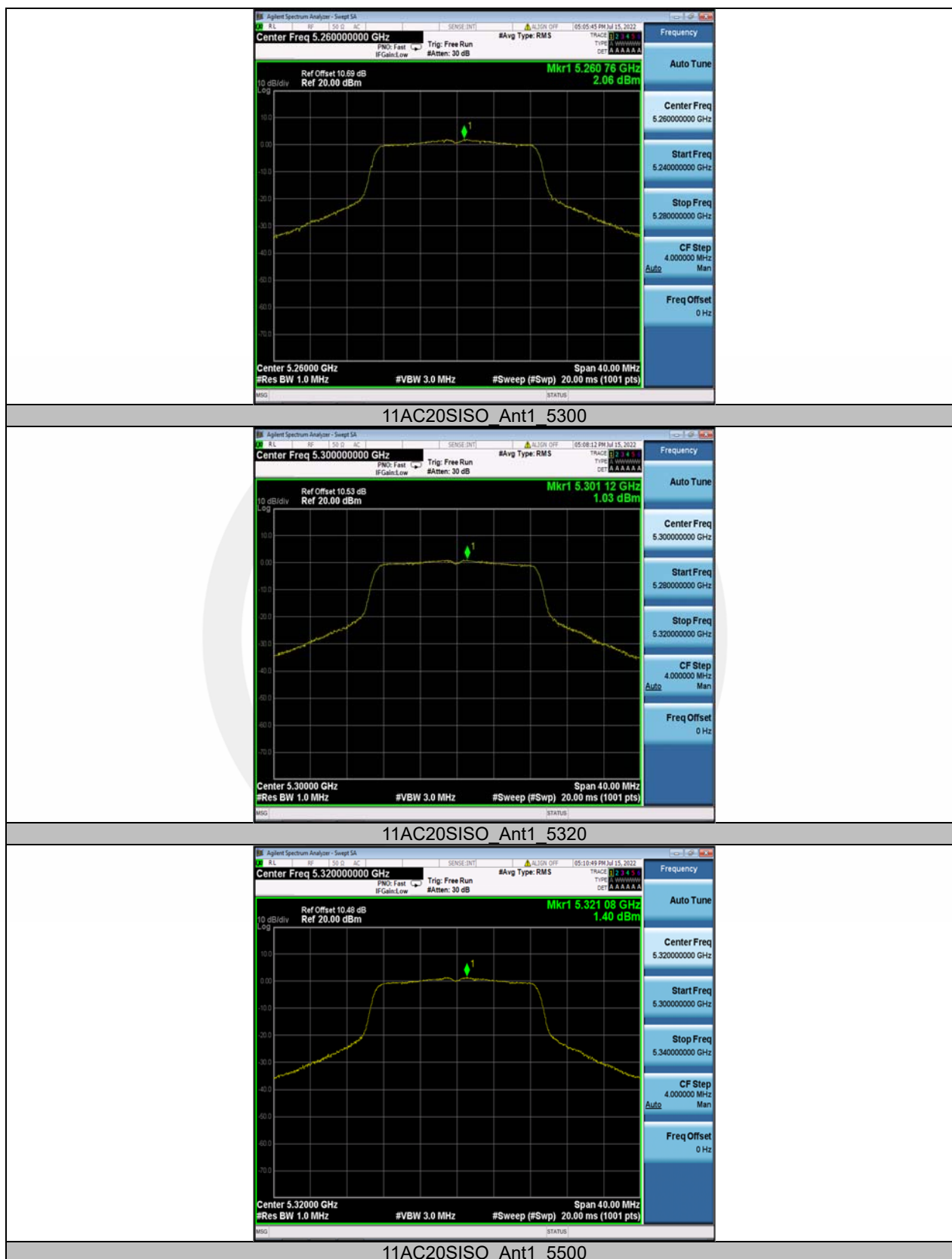


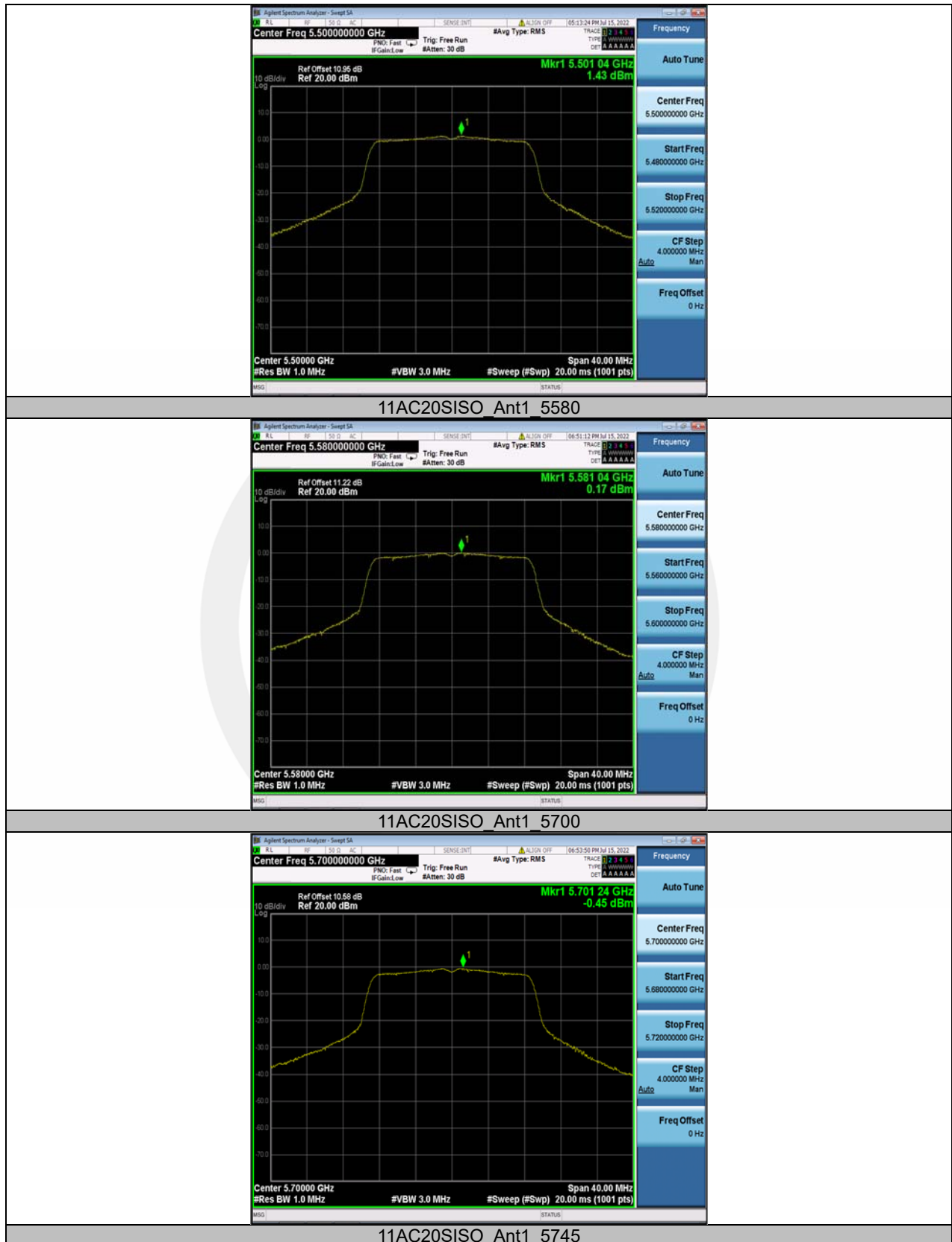


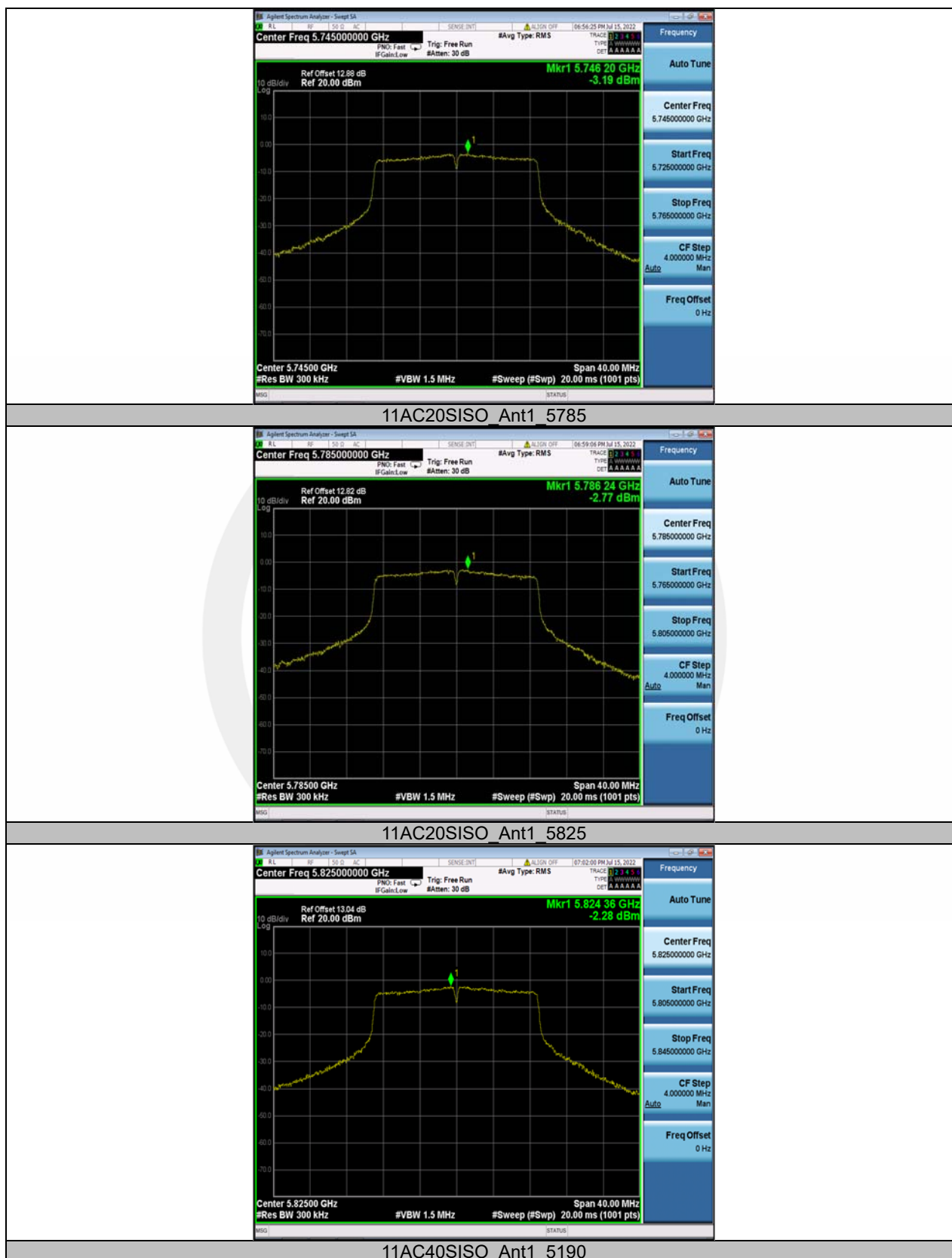


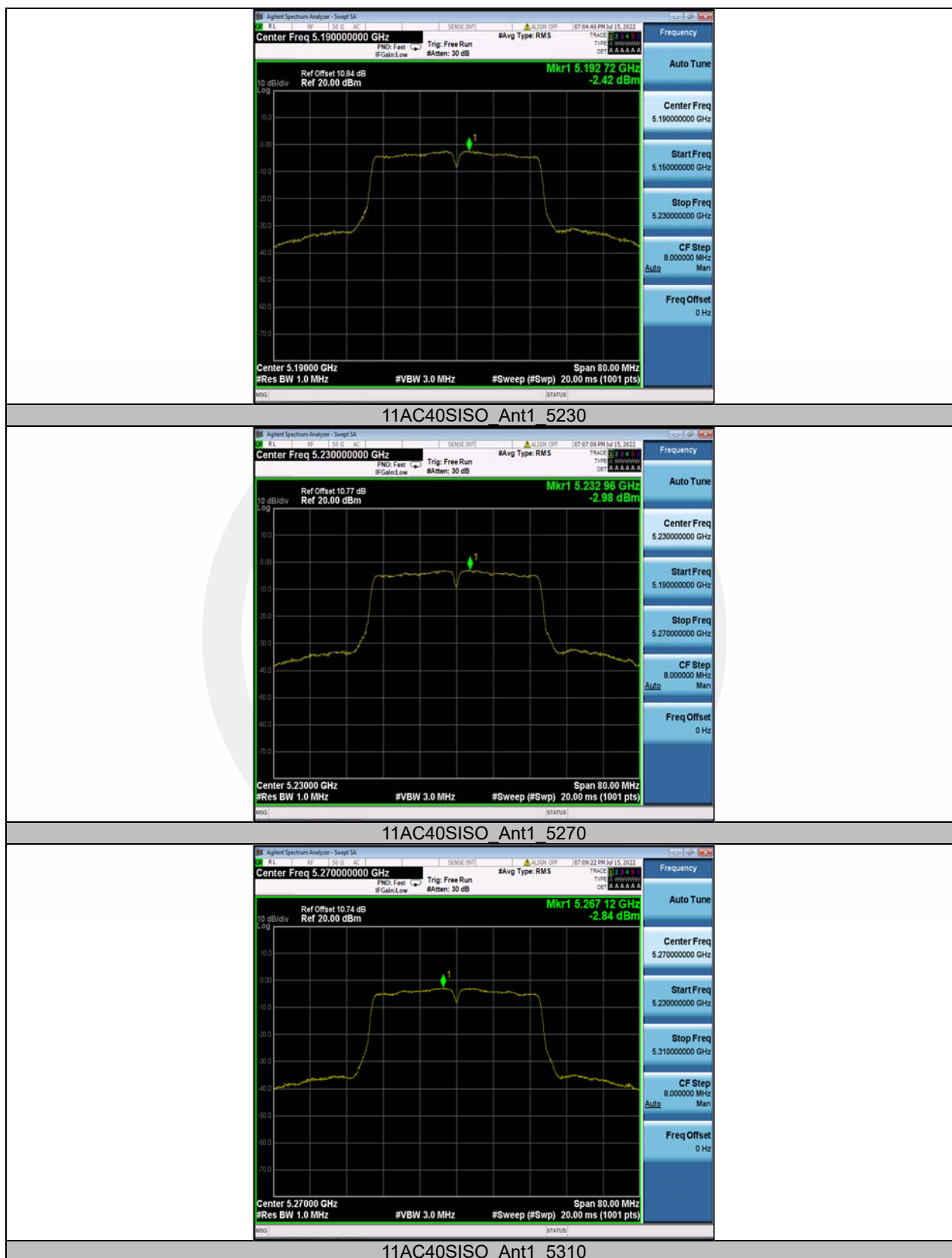


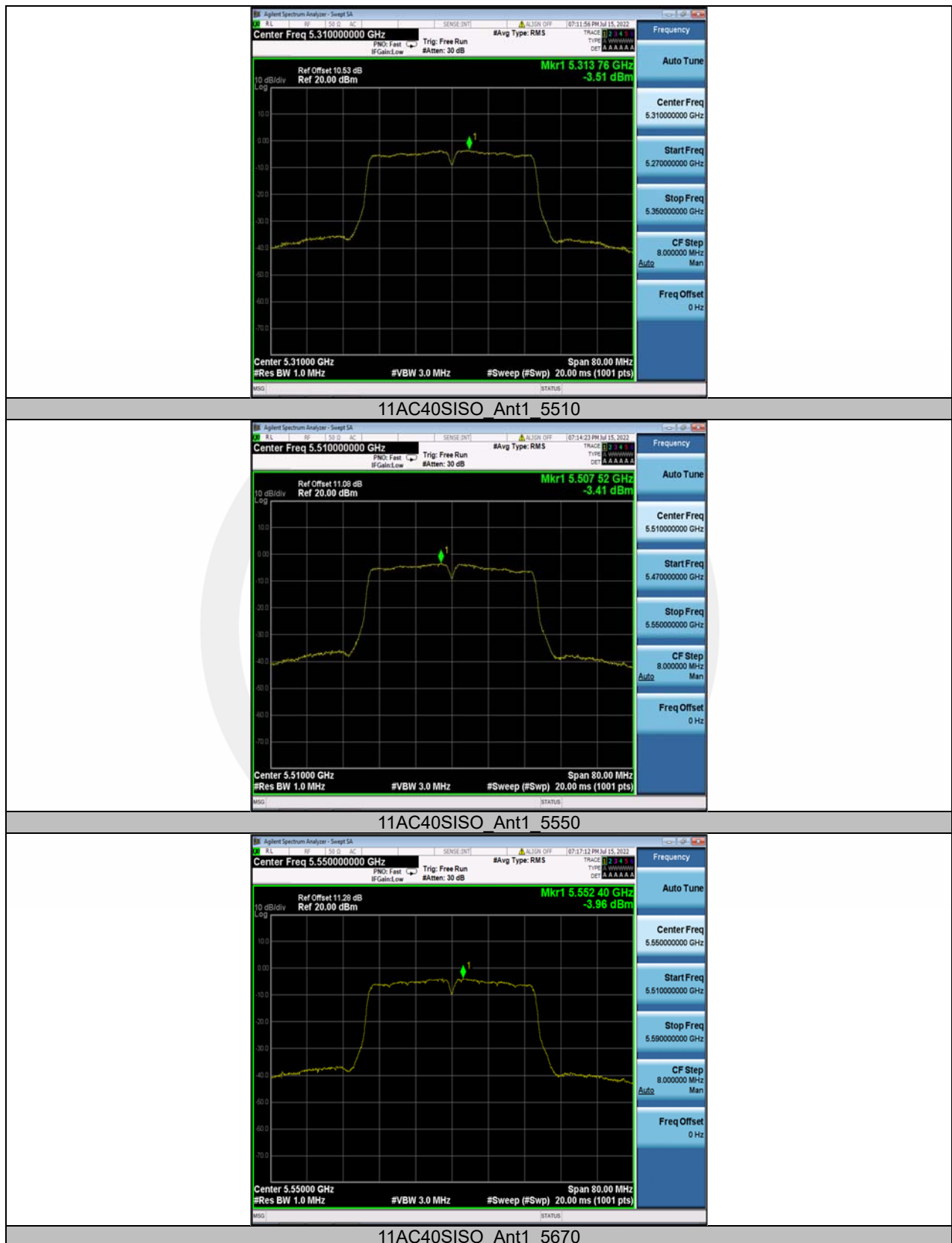


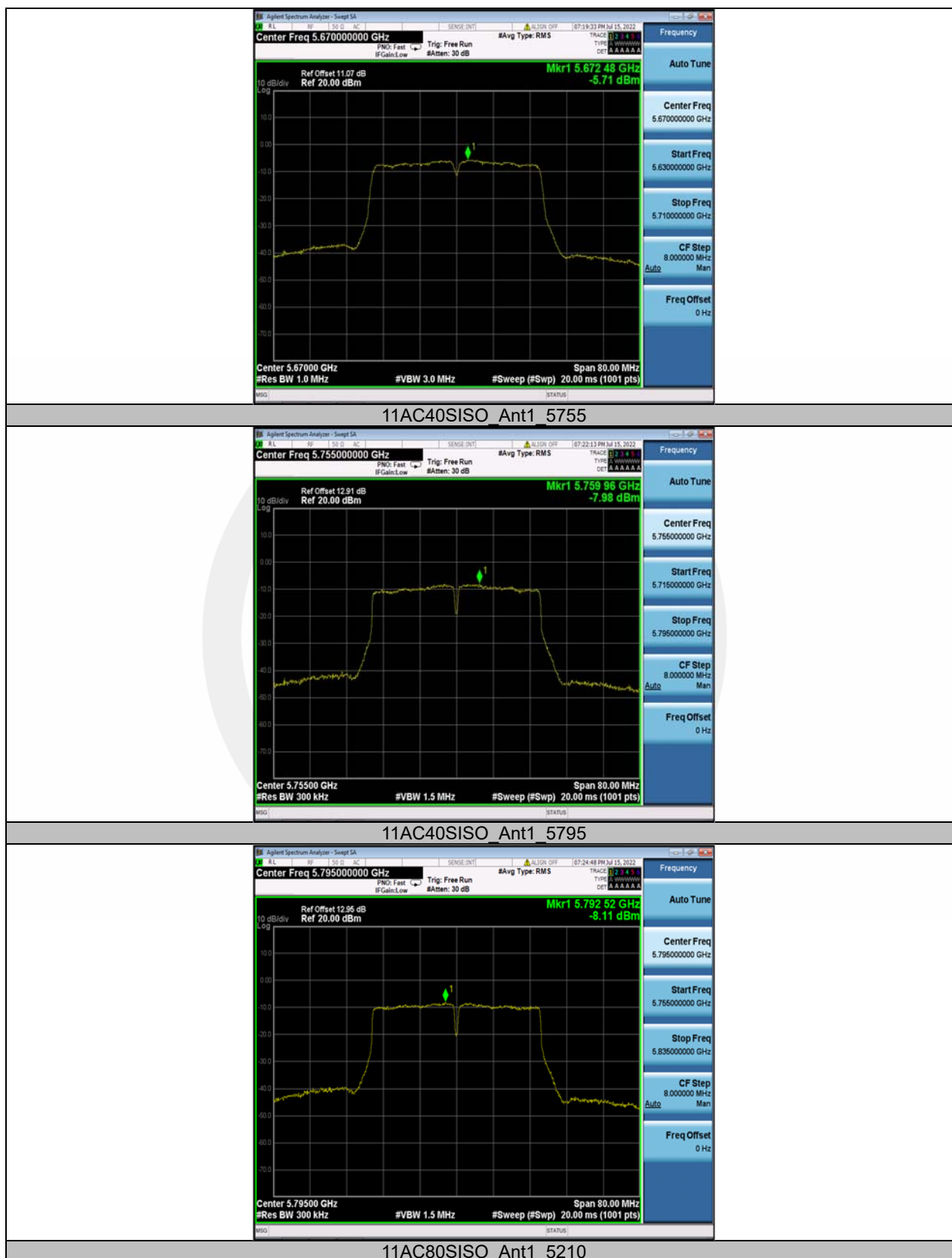










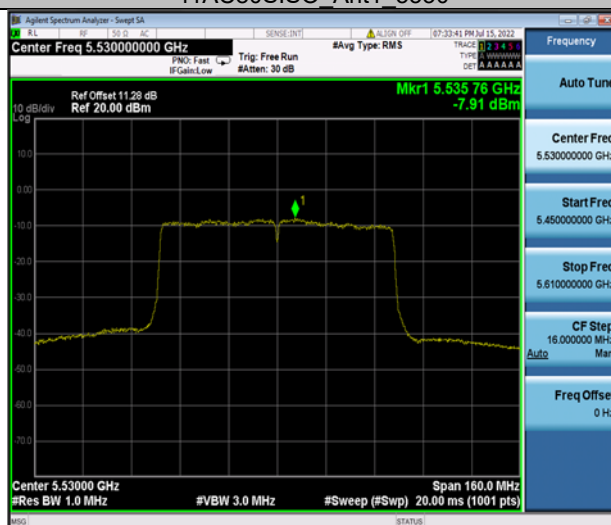




11AC80SISO Ant1 5290



11AC80SISO Ant1 5530



11AC80SISO Ant1 5610



## 8.5 UNDESIRABLE RADIATED SPURIOUS EMISSION

### 8.5.1 Applicable Standard

According to FCC Part 15.407 (b), 15.209, 15.205  
 According to 789033 D02 Section II(G)  
 According to RSS 247 6.2  
 According to RSS-GEN 8.9, 8.10 and 6.13

### 8.5.2 Conformance Limit

#### FCC Limit:

- ☒ **For the band 5.15-5.25 GHz**  
 All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- ☒ **For the band 5.25-5.35 GHz**  
 All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- ☒ **For the band 5.47-5.725 GHz**  
 All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- ☒ **For the band 5.725-5.85 GHz**  
 All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

#### IC Limit:

- ☒ **For the band 5.15-5.25 GHz**  
 All emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.
- ☒ **For the band 5.25-5.35 GHz**  
 All emissions outside the band 5250-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.; or  
 All emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. and its power shall comply with the spectral power density for operation within the band 5150-5250 MHz. The device, except devices installed in vehicles, shall be labelled or include in the user manual the following text "for indoor use only."
- ☒ **For the band 5.47-5.6 GHz and 5.65-5.725 GHz**  
 Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, devices with bandwidth overlapping the band edge of 5725 MHz can meet the emission limit of -27 dBm/MHz e.i.r.p. at 5850 MHz instead of 5725 MHz.
- ☒ **For the band 5.725-5.85 GHz**  
 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 Bm/MHz at 5 MHz above or below the band edges;  
 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;  
 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and  
 -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209  
 The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

| Restricted Frequency(MHz) | Field Strength ( $\mu\text{V/m}$ ) | Field Strength ( $\text{dB}\mu\text{V/m}$ ) | Measurement Distance |
|---------------------------|------------------------------------|---------------------------------------------|----------------------|
| 0.009-0.490               | 2400/F(KHz)                        | $20 \log (\mu\text{V/m})$                   | 300                  |
| 0.490-1.705               | 24000/F(KHz)                       | $20 \log (\mu\text{V/m})$                   | 30                   |
| 1.705-30                  | 30                                 | 29.5                                        | 30                   |
| 30-88                     | 100                                | 40                                          | 3                    |
| 88-216                    | 150                                | 43.5                                        | 3                    |
| 216-960                   | 200                                | 46                                          | 3                    |
| Above 960                 | 500                                | 54                                          | 3                    |

The provisions of §15.205 apply to intentional radiators operating under this section, 15.205 Restricted bands of operation

| MHz               | MHz                 | MHz           | GHz         |
|-------------------|---------------------|---------------|-------------|
| 0.090-0.110       | 16.42-16.423        | 399.9-410     | 4.5-5.15    |
| 0.495-0.505       | 16.69475-16.69525   | 608-614       | 5.35-5.46   |
| 2.1735-2.1905     | 16.80425-16.80475   | 960-1240      | 7.25-7.75   |
| 4.125-4.128       | 25.5-25.67          | 1300-1427     | 8.025-8.5   |
| 4.17725-4.17775   | 37.5-38.25          | 1435-1626.5   | 9.0-9.2     |
| 4.20725-4.20775   | 73-74.6             | 1645.5-1646.5 | 9.3-9.5     |
| 6.215-6.218       | 74.8-75.2           | 1660-1710     | 10.6-12.7   |
| 6.26775-6.26825   | 123-138             | 2200-2300     | 14.47-14.5  |
| 8.291-8.294       | 149.9-150.05        | 2310-2390     | 15.35-16.2  |
| 8.362-8.366       | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4   |
| 8.37625-8.38675   | 156.7-156.9         | 2690-2900     | 22.01-23.12 |
| 8.41425-8.41475   | 162.0125-167.17     | 3260-3267     | 23.6-24.0   |
| 12.29-12.293      | 167.72-173.2        | 3332-3339     | 31.2-31.8   |
| 12.51975-12.52025 | 240-285             | 3345.8-3358   | 36.43-36.5  |
| 12.57675-12.57725 | 322-335.4           | 3600-4400     | Above 38.6  |
| 13.36-13.41       |                     |               |             |

### 8.5.3 Test Configuration

Test according to clause 7.2 radio frequency test setup

### 8.5.4 Test Procedure

#### ■ Unwanted Emissions Measurements below 1000 MHz

Compliance shall be demonstrated using CISPR quasi-peak detection; however, peak detection is permitted as an alternative to quasi-peak detection.

The EUT was placed on a turn table which is 0.8m above ground plane.

And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

Repeat above procedures until all frequency measured was complete.

We use software control the EUT, Let EUT hopping on and transmit with highest power, All the modes have been tested and the worst result was reported.

Use the following spectrum analyzer settings:

Set RBW=120kHz for  $f < 1 \text{ GHz}$  (30MHz to 1GHz), 200Hz for  $f < 150\text{KHz}$  (9KHz to 150KHz), 9KHz for  $< 30\text{MHz}$  (150KHz to 30KHz).

Set the VBW > RBW.

Detector = Peak.

Trace mode = max hold.

Follow the guidelines in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b). Submit this data.

Repeat above procedures until all frequency measured was complete.

■ Unwanted Maximum peak Emissions Measurements above 1000 MHz

Maximum emission levels are measured by setting the analyzer as follows:

RBW = 1 MHz.

VBW ≥ 3 MHz.

Detector = Peak.

Sweep time = auto.

Trace mode = max hold.

Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately  $1/x$ , where  $x$  is the duty cycle. For example, at 50 percent duty cycle, the measurement time will increase by a factor of two relative to measurement time for continuous transmission.

■ Unwanted Average Emissions Measurements above 1000 MHz

Method AD (Average Detection): Primary method

RBW = 1 MHz.

VBW ≥ 3 MHz.

Detector = power averaging (rms), if  $\text{span}/(\# \text{ of points in sweep}) \leq \text{RBW}/2$ . Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, the detector mode shall be set to peak.

Averaging type = power averaging (rms)

Sweep time = auto.

Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, the number of traces shall be increased by a factor of  $1/x$ , where  $x$  is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—rather than turning on and off with the transmit cycle, at least 100 traces shall be averaged.)

If tests are performed with the EUT transmitting at a duty cycle less than 98%, a correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is  $10 \log (1/x)$ , where  $x$  is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.

### 8.5.5 Test Results

|                    |           |
|--------------------|-----------|
| Temperature:       | 26° C     |
| Relative Humidity: | 54%       |
| ATM Pressure:      | 1011 mbar |
| Test Engineer:     | XXH       |

■ Spurious Emission below 30MHz(9KHz to 30MHz)

For Spurious Emission below 30MHz (9KHz to 30MHz), was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

## ■ Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

### ● For Undesirable radiated Spurious Emission in U-NII-1

All the antenna(Antenna 1) and modes(802.11a/n/ac) has been tested and the worst(Antenna 1, 802.11a) result recorded was report as below:

| Test mode: 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | Frequency:             |                       | Channel 36: 5180MHz        |                   |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|-------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB) | Remark |
| 4008.971                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 48.48                  | -8.41                 | 40.07                      | 74.00             | -33.93      | peak   |
| 4008.971                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 30.81                  | -8.41                 | 22.40                      | 54.00             | -31.60      | AVG    |
| 11116.18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 45.20                  | 7.55                  | 52.75                      | 74.00             | -21.25      | peak   |
| 11116.18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 29.22                  | 7.55                  | 36.77                      | 54.00             | -17.23      | AVG    |
| 17992.19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 45.43                  | 19.13                 | 64.56                      | 74.00             | -9.44       | peak   |
| 17992.19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 27.10                  | 19.13                 | 46.23                      | 54.00             | -7.77       | AVG    |
| 3999.134                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 47.11                  | -8.43                 | 38.68                      | 74.00             | -35.32      | peak   |
| 3999.134                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 28.76                  | -8.43                 | 20.33                      | 54.00             | -33.67      | AVG    |
| 10636.84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 48.27                  | 6.99                  | 55.26                      | 74.00             | -18.74      | peak   |
| 10636.84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 31.34                  | 6.99                  | 38.33                      | 54.00             | -15.67      | AVG    |
| 17914.36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 46.86                  | 18.60                 | 65.46                      | 74.00             | -8.54       | peak   |
| 17914.36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 29.62                  | 18.60                 | 48.22                      | 54.00             | -5.78       | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |             |        |

| Test mode: 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | Frequency:             |                       | Channel 40: 5200MHz        |                   |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|-------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB) | Remark |
| 4998.160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 48.50                  | -5.33                 | 43.17                      | 74.00             | -30.83      | peak   |
| 4998.160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 30.56                  | -5.33                 | 25.23                      | 54.00             | -28.77      | AVG    |
| 11024.99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 48.03                  | 7.60                  | 55.63                      | 74.00             | -18.37      | peak   |
| 11024.99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 30.55                  | 7.60                  | 38.15                      | 54.00             | -15.85      | AVG    |
| 17867.82                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 48.11                  | 18.29                 | 66.40                      | 74.00             | -7.60       | peak   |
| 17867.82                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 29.94                  | 18.29                 | 48.23                      | 54.00             | -5.77       | AVG    |
| 5432.029                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 49.94                  | -4.38                 | 45.56                      | 74.00             | -28.44      | peak   |
| 5432.029                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 33.00                  | -4.38                 | 28.62                      | 54.00             | -25.38      | AVG    |
| 9931.165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 48.42                  | 5.27                  | 53.69                      | 74.00             | -20.31      | peak   |
| 9931.165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 30.45                  | 5.27                  | 35.72                      | 54.00             | -18.28      | AVG    |
| 17909.18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 47.60                  | 18.57                 | 66.17                      | 74.00             | -7.83       | peak   |
| 17909.18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 29.58                  | 18.57                 | 48.15                      | 54.00             | -5.85       | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |             |        |

Test mode: 802.11a Frequency: Channel 48: 5240MHz

| Freq.<br>(MHz) | Ant.Pol. | Reading<br>Level<br>(dBuV/m) | Correct<br>Factor<br>(dB/m) | Corrected<br>Reading<br>(dBuV/m) | Limit 3m<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|----------|------------------------------|-----------------------------|----------------------------------|----------------------|----------------|--------|
| 5250.644       | V        | 49.73                        | -4.81                       | 44.92                            | 74.00                | -29.08         | peak   |
| 5250.644       | V        | 31.65                        | -4.81                       | 26.84                            | 54.00                | -27.16         | AVG    |
| 11242.20       | V        | 47.93                        | 7.47                        | 55.40                            | 74.00                | -18.60         | peak   |
| 11242.20       | V        | 30.91                        | 7.47                        | 38.38                            | 54.00                | -15.62         | AVG    |
| 17893.66       | V        | 47.60                        | 18.46                       | 66.06                            | 74.00                | -7.94          | peak   |
| 17893.66       | V        | 29.57                        | 18.46                       | 48.03                            | 54.00                | -5.97          | AVG    |
| 5433.599       | H        | 48.91                        | -4.37                       | 44.54                            | 74.00                | -29.46         | peak   |
| 5433.599       | H        | 30.60                        | -4.37                       | 26.23                            | 54.00                | -27.77         | AVG    |
| 9656.595       | H        | 48.94                        | 4.34                        | 53.28                            | 74.00                | -20.72         | peak   |
| 9656.595       | H        | 30.99                        | 4.34                        | 35.33                            | 54.00                | -18.67         | AVG    |
| 17880.73       | H        | 47.85                        | 18.38                       | 66.23                            | 74.00                | -7.77          | peak   |
| 17880.73       | H        | 29.83                        | 18.38                       | 48.21                            | 54.00                | -5.79          | AVG    |

Note:

- (1) Peak RBW = 1 MHz, VBW  $\geq 3 \times$  RBW, Detector = Peak;
- (2) Avg RBW = 1 MHz, VBW  $\geq 3 \times$  RBW, Detector = RMS;
- (3) Field Strength = Reading Level + Correct Factor;
- (4) Correct Factor = Ant\_F + Cab\_L - Preamp;
- (5) Margin = Limit - Corrected Reading;
- (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
- (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

● For Undesirable radiated Spurious Emission in U-NII-2A

All the antenna(Antenna 1) and modes(802.11a/n/ac) has been tested and the worst(Antenna 1, 802.11a) result recorded was report as below:

| Test mode: 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | Frequency:             |                       | Channel 52: 5260MHz        |                   |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|-------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB) | Remark |
| 6187.455                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 48.69                  | -2.32                 | 46.37                      | 74.00             | -27.63      | peak   |
| 6187.455                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 30.76                  | -2.32                 | 28.44                      | 54.00             | -25.56      | AVG    |
| 10484.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 48.08                  | 6.72                  | 54.80                      | 74.00             | -19.20      | peak   |
| 10484.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 30.05                  | 6.72                  | 36.77                      | 54.00             | -17.23      | AVG    |
| 17901.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 47.20                  | 18.53                 | 65.73                      | 74.00             | -8.27       | peak   |
| 17901.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 29.79                  | 18.53                 | 48.32                      | 54.00             | -5.68       | AVG    |
| 5268.126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 48.77                  | -4.76                 | 44.01                      | 74.00             | -29.99      | peak   |
| 5268.126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 30.98                  | -4.76                 | 26.22                      | 54.00             | -27.78      | AVG    |
| 10751.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 46.54                  | 7.19                  | 53.73                      | 74.00             | -20.27      | peak   |
| 10751.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 28.58                  | 7.19                  | 35.77                      | 54.00             | -18.23      | AVG    |
| 17994.79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 46.30                  | 19.16                 | 65.46                      | 74.00             | -8.54       | peak   |
| 17994.79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 28.39                  | 19.16                 | 47.55                      | 54.00             | -6.45       | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |             |        |

| Test mode: 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | Frequency:             |                       | Channel 56: 5280MHz        |                   |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|-------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB) | Remark |
| 5094.423                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 49.43                  | -5.98                 | 43.45                      | 74.00             | -30.55      | peak   |
| 5094.423                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 31.20                  | -5.98                 | 25.22                      | 54.00             | -28.78      | AVG    |
| 9775.950                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 48.41                  | 4.61                  | 53.02                      | 74.00             | -20.98      | peak   |
| 9775.950                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 30.62                  | 4.61                  | 35.23                      | 54.00             | -18.77      | AVG    |
| 17872.98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 51.35                  | 13.86                 | 65.21                      | 74.00             | -8.79       | peak   |
| 17872.98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 34.47                  | 13.86                 | 48.33                      | 54.00             | -5.67       | AVG    |
| 5479.335                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 50.49                  | -5.44                 | 45.05                      | 74.00             | -28.95      | peak   |
| 5479.335                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 33.51                  | -5.44                 | 28.07                      | 54.00             | -25.93      | AVG    |
| 10091.76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 47.78                  | 5.35                  | 53.13                      | 74.00             | -20.87      | peak   |
| 10091.76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 29.86                  | 5.35                  | 35.21                      | 54.00             | -18.79      | AVG    |
| 17872.98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 51.85                  | 13.86                 | 65.71                      | 74.00             | -8.29       | peak   |
| 17872.98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 34.91                  | 13.86                 | 48.77                      | 54.00             | -5.23       | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |             |        |

Test mode: 802.11a Frequency: Channel 64: 5320MHz

| Freq.<br>(MHz) | Ant.Pol. | Reading<br>Level<br>(dBuV/m) | Correct<br>Factor<br>(dB/m) | Corrected<br>Reading<br>(dBuV/m) | Limit 3m<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|----------|------------------------------|-----------------------------|----------------------------------|----------------------|----------------|--------|
| 4717.422       | V        | 50.21                        | -7.10                       | 43.11                            | 74.00                | -30.89         | peak   |
| 4717.422       | V        | 32.25                        | -7.10                       | 25.15                            | 54.00                | -28.85         | AVG    |
| 10545.01       | V        | 50.86                        | 5.66                        | 56.52                            | 74.00                | -17.48         | peak   |
| 10545.01       | V        | 32.78                        | 5.66                        | 38.44                            | 54.00                | -15.56         | AVG    |
| 17994.79       | V        | 50.71                        | 14.50                       | 65.21                            | 74.00                | -8.79          | peak   |
| 17994.79       | V        | 33.73                        | 14.50                       | 48.23                            | 54.00                | -5.77          | AVG    |
| 5443.030       | H        | 50.96                        | -5.47                       | 45.49                            | 74.00                | -28.51         | peak   |
| 5443.030       | H        | 33.62                        | -5.47                       | 28.15                            | 54.00                | -25.85         | AVG    |
| 10250.50       | H        | 49.45                        | 5.46                        | 54.91                            | 74.00                | -19.09         | peak   |
| 10250.50       | H        | 30.87                        | 5.46                        | 36.33                            | 54.00                | -17.67         | AVG    |
| 17847.17       | H        | 50.87                        | 13.72                       | 64.59                            | 74.00                | -9.41          | peak   |
| 17847.17       | H        | 32.83                        | 13.72                       | 46.55                            | 54.00                | -7.45          | AVG    |

Note:

- (1) Peak RBW = 1 MHz, VBW  $\geq 3 \times$  RBW, Detector = Peak;
- (2) Avg RBW = 1 MHz, VBW  $\geq 3 \times$  RBW, Detector = RMS;
- (3) Field Strength = Reading Level + Correct Factor;
- (4) Correct Factor = Ant\_F + Cab\_L - Preamp;
- (5) Margin = Limit - Corrected Reading;
- (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
- (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

● For Undesirable radiated Spurious Emission in U-NII-2C

All the antenna(Antenna 1) and modes(802.11a/n/ac) has been tested and the worst(Antenna 1, 802.11a) result recorded was report as below:

| Test mode: 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | Frequency:             |                       | Channel 100: 5500MHz       |                   |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|-------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB) | Remark |
| 4626.277                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 51.81                  | -7.43                 | 44.38                      | 74.00             | -29.62      | peak   |
| 4626.277                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 33.98                  | -7.43                 | 26.55                      | 54.00             | -27.45      | AVG    |
| 8502.160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 50.48                  | 1.99                  | 52.47                      | 74.00             | -21.53      | peak   |
| 8502.160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 34.23                  | 1.99                  | 36.22                      | 54.00             | -17.78      | AVG    |
| 17893.66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 50.40                  | 13.96                 | 64.36                      | 74.00             | -9.64       | peak   |
| 17893.66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 32.27                  | 13.96                 | 46.23                      | 54.00             | -7.77       | AVG    |
| 5023.506                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 49.49                  | -6.07                 | 43.42                      | 74.00             | -30.58      | peak   |
| 5023.506                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 31.58                  | -6.07                 | 25.51                      | 54.00             | -28.49      | AVG    |
| 8498.475                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 50.72                  | 1.99                  | 52.71                      | 74.00             | -21.29      | peak   |
| 8498.475                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 32.56                  | 1.99                  | 34.55                      | 54.00             | -19.45      | AVG    |
| 17901.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 51.49                  | 14.02                 | 65.51                      | 74.00             | -8.49       | peak   |
| 17901.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 34.30                  | 14.02                 | 48.32                      | 54.00             | -5.68       | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |             |        |

| Test mode: 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | Frequency:             |                       | Channel 120: 5600MHz       |                   |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|-------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB) | Remark |
| 5440.671                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 50.45                  | -5.47                 | 44.98                      | 74.00             | -29.02      | peak   |
| 5440.671                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 32.35                  | -5.47                 | 26.88                      | 54.00             | -27.12      | AVG    |
| 11258.46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 50.69                  | 6.10                  | 56.79                      | 74.00             | -17.21      | peak   |
| 11258.46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 32.13                  | 6.10                  | 38.23                      | 54.00             | -15.77      | AVG    |
| 17927.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 52.08                  | 14.15                 | 66.23                      | 74.00             | -7.77       | peak   |
| 17927.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 34.00                  | 14.15                 | 48.15                      | 54.00             | -5.85       | AVG    |
| 5054.821                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 49.57                  | -6.03                 | 43.54                      | 74.00             | -30.46      | peak   |
| 5054.821                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 31.66                  | -6.03                 | 25.63                      | 54.00             | -28.37      | AVG    |
| 9277.661                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 50.55                  | 3.13                  | 53.68                      | 74.00             | -20.32      | peak   |
| 9277.661                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 32.61                  | 3.13                  | 35.74                      | 54.00             | -18.26      | AVG    |
| 17922.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 49.91                  | 14.12                 | 64.03                      | 74.00             | -9.97       | peak   |
| 17922.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 31.88                  | 14.12                 | 46.00                      | 54.00             | -8.00       | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |             |        |

Test mode: 802.11a Frequency: Channel 140: 5700MHz

| Freq.<br>(MHz) | Ant.Pol. | Reading<br>Level<br>(dBuV/m) | Correct<br>Factor<br>(dB/m) | Corrected<br>Reading<br>(dBuV/m) | Limit 3m<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|----------|------------------------------|-----------------------------|----------------------------------|----------------------|----------------|--------|
| 4038.044       | V        | 50.19                        | -9.32                       | 40.87                            | 74.00                | -33.13         | peak   |
| 4038.044       | V        | 41.77                        | -9.32                       | 32.45                            | 54.00                | -21.55         | AVG    |
| 9287.052       | V        | 50.41                        | 3.16                        | 53.57                            | 74.00                | -20.43         | peak   |
| 9287.052       | V        | 32.05                        | 3.16                        | 35.21                            | 54.00                | -18.79         | AVG    |
| 17950.64       | V        | 50.80                        | 14.27                       | 65.07                            | 74.00                | -8.93          | peak   |
| 17950.64       | V        | 33.76                        | 14.27                       | 48.03                            | 54.00                | -5.97          | AVG    |
| 5482.503       | H        | 51.14                        | -5.43                       | 45.71                            | 74.00                | -28.29         | peak   |
| 5482.503       | H        | 33.86                        | -5.43                       | 28.43                            | 54.00                | -25.57         | AVG    |
| 10503.94       | H        | 50.59                        | 5.64                        | 56.23                            | 74.00                | -17.77         | peak   |
| 10503.94       | H        | 32.51                        | 5.64                        | 38.15                            | 54.00                | -15.85         | AVG    |
| 17924.71       | H        | 51.02                        | 14.13                       | 65.15                            | 74.00                | -8.85          | peak   |
| 17924.71       | H        | 34.20                        | 14.13                       | 48.33                            | 54.00                | -5.67          | AVG    |

Note:

- (1) Peak RBW = 1 MHz, VBW  $\geq 3 \times$  RBW, Detector = Peak;
- (2) Avg RBW = 1 MHz, VBW  $\geq 3 \times$  RBW, Detector = RMS;
- (3) Field Strength = Reading Level + Correct Factor;
- (4) Correct Factor = Ant\_F + Cab\_L - Preamp;
- (5) Margin = Limit - Corrected Reading;
- (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
- (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

● For Undesirable radiated Spurious Emission in U-NII-3

All the antenna(Antenna 1) and modes(802.11a/n/ac) has been tested and the worst(Antenna 1, 802.11a) result recorded was report as below:

| Test mode: 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | Frequency:             |                       | Channel 149: 5745MHz       |                   |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|-------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB) | Remark |
| 4657.135                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 50.29                  | -7.31                 | 42.98                      | 74.00             | -31.02      | peak   |
| 4657.135                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 31.86                  | -7.31                 | 24.55                      | 54.00             | -29.45      | AVG    |
| 7636.527                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 49.74                  | 1.03                  | 50.77                      | 74.00             | -23.23      | peak   |
| 7636.527                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 30.66                  | 1.03                  | 31.69                      | 54.00             | -22.31      | AVG    |
| 17893.66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 50.62                  | 13.96                 | 64.58                      | 74.00             | -9.42       | peak   |
| 17893.66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 32.55                  | 13.96                 | 46.51                      | 54.00             | -7.49       | AVG    |
| 5265.082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 50.35                  | -5.75                 | 44.60                      | 74.00             | -29.40      | peak   |
| 5265.082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 32.08                  | -5.75                 | 26.33                      | 54.00             | -27.67      | AVG    |
| 10257.91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 51.21                  | 5.46                  | 56.67                      | 74.00             | -17.33      | peak   |
| 10257.91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 32.96                  | 5.46                  | 38.42                      | 54.00             | -15.58      | AVG    |
| 17942.86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 50.76                  | 14.23                 | 64.99                      | 74.00             | -9.01       | peak   |
| 17942.86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 31.92                  | 14.23                 | 46.15                      | 54.00             | -7.85       | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |             |        |

| Test mode: 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | Frequency:             |                       | Channel 157: 5785MHz       |                   |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|-------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB) | Remark |
| 5462.731                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 51.41                  | -5.45                 | 45.96                      | 74.00             | -28.04      | peak   |
| 5462.731                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 33.78                  | -5.45                 | 28.33                      | 54.00             | -25.67      | AVG    |
| 12455.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 49.58                  | 6.22                  | 55.80                      | 74.00             | -18.20      | peak   |
| 12455.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 32.22                  | 6.22                  | 38.44                      | 54.00             | -15.56      | AVG    |
| 17904.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 50.75                  | 14.02                 | 64.77                      | 74.00             | -9.23       | peak   |
| 17904.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 32.21                  | 14.02                 | 46.23                      | 54.00             | -7.77       | AVG    |
| 6544.318                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 48.58                  | -2.42                 | 46.16                      | 74.00             | -27.84      | peak   |
| 6544.318                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 30.66                  | -2.42                 | 28.24                      | 54.00             | -25.76      | AVG    |
| 12202.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 49.39                  | 6.16                  | 55.55                      | 74.00             | -18.45      | peak   |
| 12202.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 32.17                  | 6.16                  | 38.33                      | 54.00             | -15.67      | AVG    |
| 17904.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 50.44                  | 14.02                 | 64.46                      | 74.00             | -9.54       | peak   |
| 17904.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 32.20                  | 14.02                 | 46.22                      | 54.00             | -7.78       | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |             |        |

Test mode: 802.11a Frequency: Channel 165: 5825MHz

| Freq.<br>(MHz) | Ant.Pol. | Reading<br>Level<br>(dBuV/m) | Correct<br>Factor<br>(dB/m) | Corrected<br>Reading<br>(dBuV/m) | Limit 3m<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|----------|------------------------------|-----------------------------|----------------------------------|----------------------|----------------|--------|
| 6234.129       | V        | 50.75                        | -4.12                       | 46.63                            | 74.00                | -27.37         | peak   |
| 6234.129       | V        | 33.05                        | -4.12                       | 28.93                            | 54.00                | -25.07         | AVG    |
| 10669.17       | V        | 48.36                        | 5.75                        | 54.11                            | 74.00                | -19.89         | peak   |
| 10669.17       | V        | 30.42                        | 5.75                        | 36.17                            | 54.00                | -17.83         | AVG    |
| 17842.01       | V        | 50.54                        | 13.69                       | 64.23                            | 74.00                | -9.77          | peak   |
| 17842.01       | V        | 32.64                        | 13.69                       | 46.33                            | 54.00                | -7.67          | AVG    |
| 5485.674       | H        | 50.85                        | -5.42                       | 45.43                            | 74.00                | -28.57         | peak   |
| 5485.674       | H        | 33.97                        | -5.42                       | 28.55                            | 54.00                | -25.45         | AVG    |
| 9849.692       | H        | 51.29                        | 4.83                        | 56.12                            | 74.00                | -17.88         | peak   |
| 9849.692       | H        | 33.41                        | 4.83                        | 38.24                            | 54.00                | -15.76         | AVG    |
| 17885.90       | H        | 50.36                        | 13.93                       | 64.29                            | 74.00                | -9.71          | peak   |
| 17885.9        | H        | 32.38                        | 13.93                       | 46.31                            | 54.00                | -7.69          | AVG    |

Note:

- (1) Peak RBW = 1 MHz, VBW  $\geq 3 \times$  RBW, Detector = Peak;
- (2) Avg RBW = 1 MHz, VBW  $\geq 3 \times$  RBW, Detector = RMS;
- (3) Field Strength = Reading Level + Correct Factor;
- (4) Correct Factor = Ant\_F + Cab\_L - Preamp;
- (5) Margin = Limit - Corrected Reading;
- (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
- (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

## ■ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

- For Undesirable radiated Spurious Emission in U-NII-1

All the antenna(Antenna 1) and modes(802.11a/n/ac) has been tested and the worst(Antenna 1, 802.11a) result recorded was report as below:

| Test mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 802.11a                |                       | Frequency:                 |                   | Channel 36: 5180MHz |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|---------------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB)         | Remark |
| 5133.555                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 47.78                  | 11.60                 | 59.38                      | 74.00             | -14.62              | peak   |
| 5133.555                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 30.84                  | 11.60                 | 42.44                      | 54.00             | -11.56              | AVG    |
| 5130.305                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 47.60                  | 11.60                 | 59.20                      | 74.00             | -14.80              | peak   |
| 5130.305                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 29.63                  | 11.60                 | 41.23                      | 54.00             | -12.77              | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |                     |        |

| Test mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 802.11a                |                       | Frequency:                 |                   | Channel 48: 5240MHz |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|---------------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB)         | Remark |
| 5358.371                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 50.42                  | 12.09                 | 62.51                      | 74.00             | -11.49              | peak   |
| 5358.371                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 34.14                  | 12.09                 | 46.23                      | 54.00             | -7.77               | AVG    |
| 5357.684                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 48.64                  | 12.09                 | 60.73                      | 74.00             | -13.27              | peak   |
| 5357.684                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 30.66                  | 12.09                 | 42.75                      | 54.00             | -11.25              | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |                     |        |

● For Undesirable radiated Spurious Emission in U-NII-2A

All the antenna(Antenna 1) and modes(802.11a/n/ac) has been tested and the worst(Antenna 1, 802.11a) result recorded was report as below:

| Test mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 802.11a                |                       | Frequency:                 |                   | Channel 52: 5260MHz |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|---------------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB)         | Remark |
| 5103.623                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 48.03                  | 11.54                 | 59.57                      | 74.00             | -14.43              | peak   |
| 5103.623                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 29.72                  | 11.54                 | 41.26                      | 54.00             | -12.74              | AVG    |
| 5115.290                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 48.18                  | 11.56                 | 59.74                      | 74.00             | -14.26              | peak   |
| 5115.29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | H        | 30.32                  | 11.56                 | 41.88                      | 54.00             | -12.12              | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |                     |        |

| Test mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 802.11a                |                       | Frequency:                 |                   | Channel 64: 5320MHz |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|---------------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB)         | Remark |
| 5357.024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 49.66                  | 12.09                 | 61.75                      | 74.00             | -12.25              | peak   |
| 5357.024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 31.63                  | 12.09                 | 43.72                      | 54.00             | -10.28              | AVG    |
| 5362.650                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 49.39                  | 12.10                 | 61.49                      | 74.00             | -12.51              | peak   |
| 5362.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | H        | 31.41                  | 12.10                 | 43.51                      | 54.00             | -10.49              | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |                     |        |

● For Undesirable radiated Spurious Emission in U-NII-2C

All the antenna(Antenna 1) and modes(802.11a/n/ac) has been tested and the worst(Antenna 1, 802.11a) result recorded was report as below:

| Test mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 802.11a                |                       | Frequency:                 |                   | Channel 100: 5500MHz |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|----------------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB)          | Remark |
| 5460.087                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 49.08                  | 12.28                 | 61.36                      | 74.00             | -12.64               | peak   |
| 5460.087                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 31.04                  | 12.28                 | 43.32                      | 54.00             | -10.68               | AVG    |
| 5465.185                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 48.60                  | 12.29                 | 60.89                      | 74.00             | -13.11               | peak   |
| 5465.185                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 30.63                  | 12.29                 | 42.92                      | 54.00             | -11.08               | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |                      |        |

| Test mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 802.11a                |                       | Frequency:                 |                   | Channel 140: 5700MHz |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|----------------------|--------|
| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB)          | Remark |
| 5729.665                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 48.57                  | 12.21                 | 60.78                      | 74.00             | -13.22               | peak   |
| 5729.665                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 30.61                  | 12.21                 | 42.82                      | 54.00             | -11.18               | AVG    |
| 5728.150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 48.45                  | 12.20                 | 60.65                      | 74.00             | -13.35               | peak   |
| 5728.15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | H        | 30.51                  | 12.20                 | 42.71                      | 54.00             | -11.29               | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |                      |        |

● For Undesirable radiated Spurious Emission in U-NII-3

All the antenna(Antenna 1) and modes(802.11a/n/ac) has been tested and the worst(Antenna 1, 802.11a) result recorded was report as below:

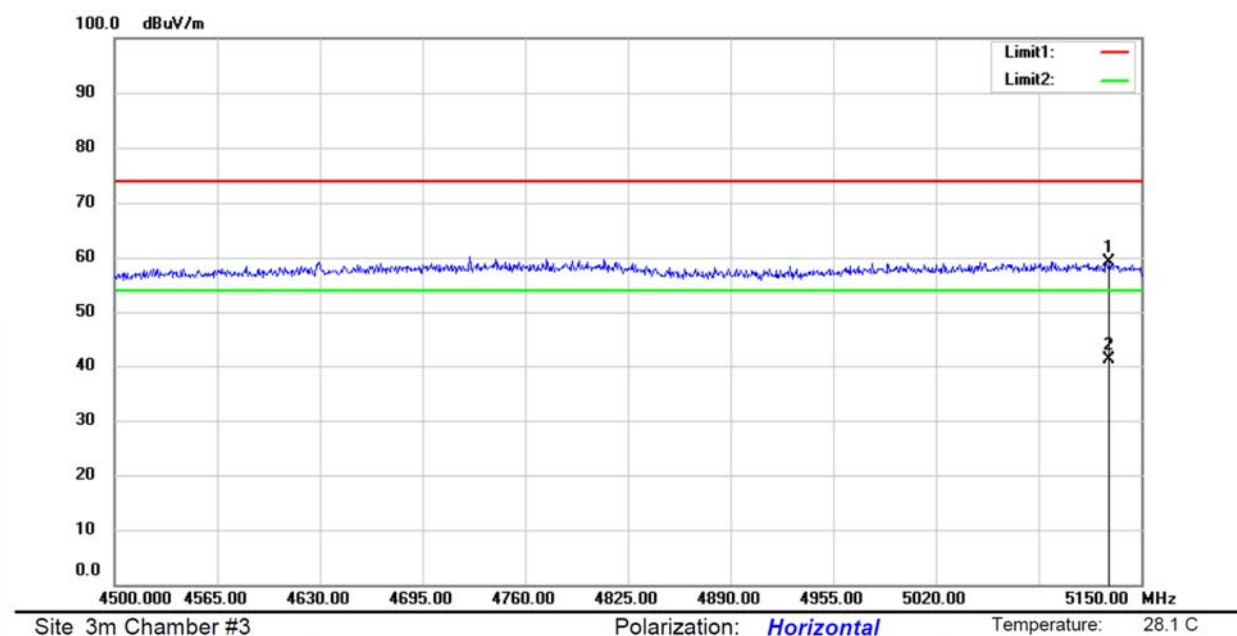
Test mode: 802.11a Frequency: Channel 149: 5745MHz

| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB) | Remark |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|-------------|--------|
| 5715.025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 48.57                  | 12.22                 | 60.79                      | 109.44            | -48.65      | Peak   |
| 5723.613                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 48.87                  | 12.21                 | 61.08                      | 121.24            | -60.16      | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |             |        |

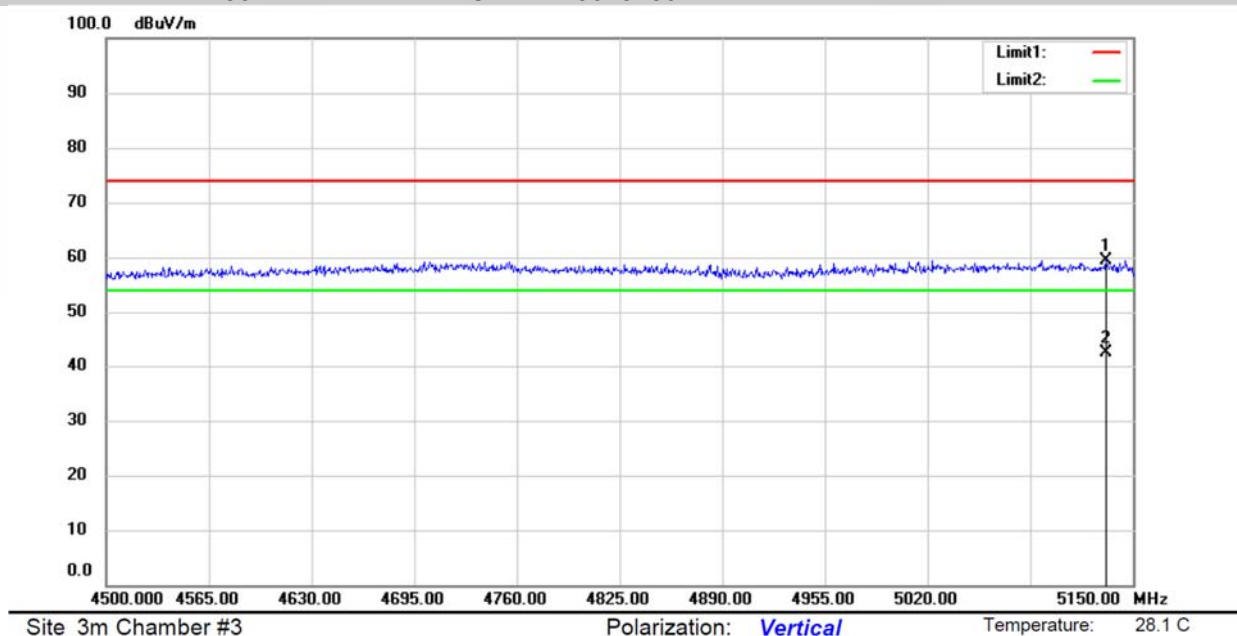
Test mode: 802.11ax(HE20) Frequency: Channel 165: 5825MHz

| Freq. (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ant.Pol. | Reading Level (dBuV/m) | Correct Factor (dB/m) | Corrected Reading (dBuV/m) | Limit 3m (dBuV/m) | Margin (dB) | Remark |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-----------------------|----------------------------|-------------------|-------------|--------|
| 5855.137                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | V        | 48.44                  | 12.28                 | 60.72                      | 110.79            | -50.07      | Peak   |
| 5856.275                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H        | 49.02                  | 12.29                 | 61.31                      | 110.47            | -49.16      | AVG    |
| Note: (1) Peak RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW $\geq 3 \times$ RBW, Detector = RMS;<br>(3) Field Strength = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |          |                        |                       |                            |                   |             |        |

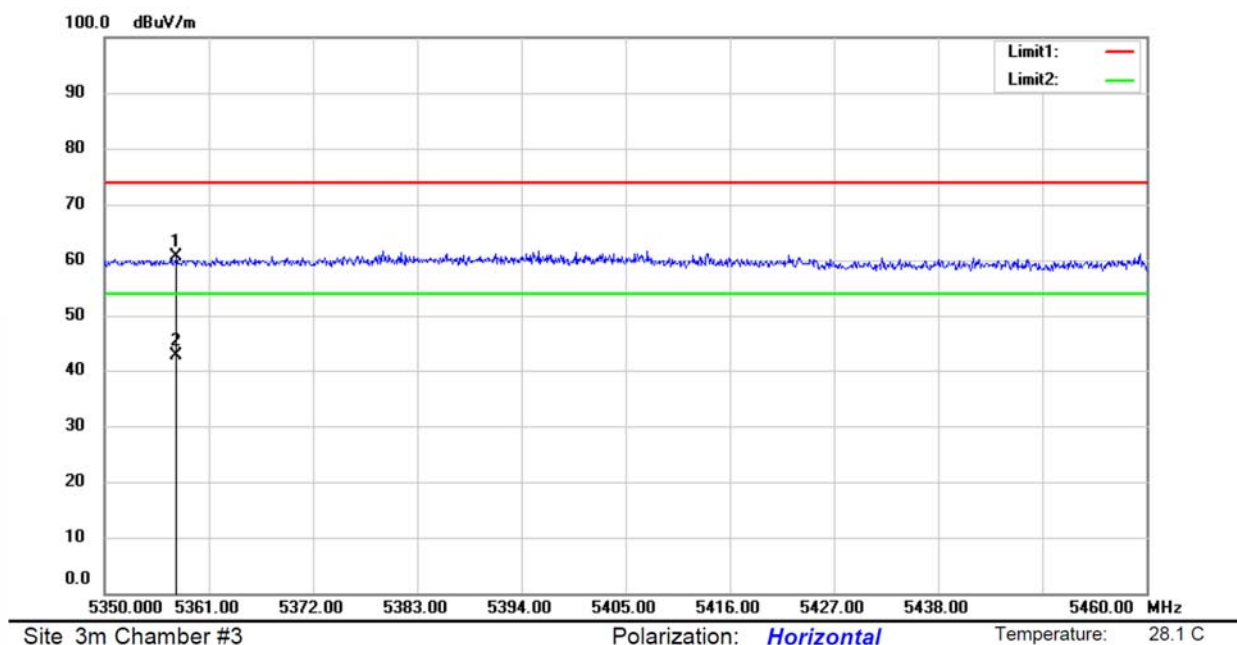
U-NII-1  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 36: 5180MHz Ant.Pol H



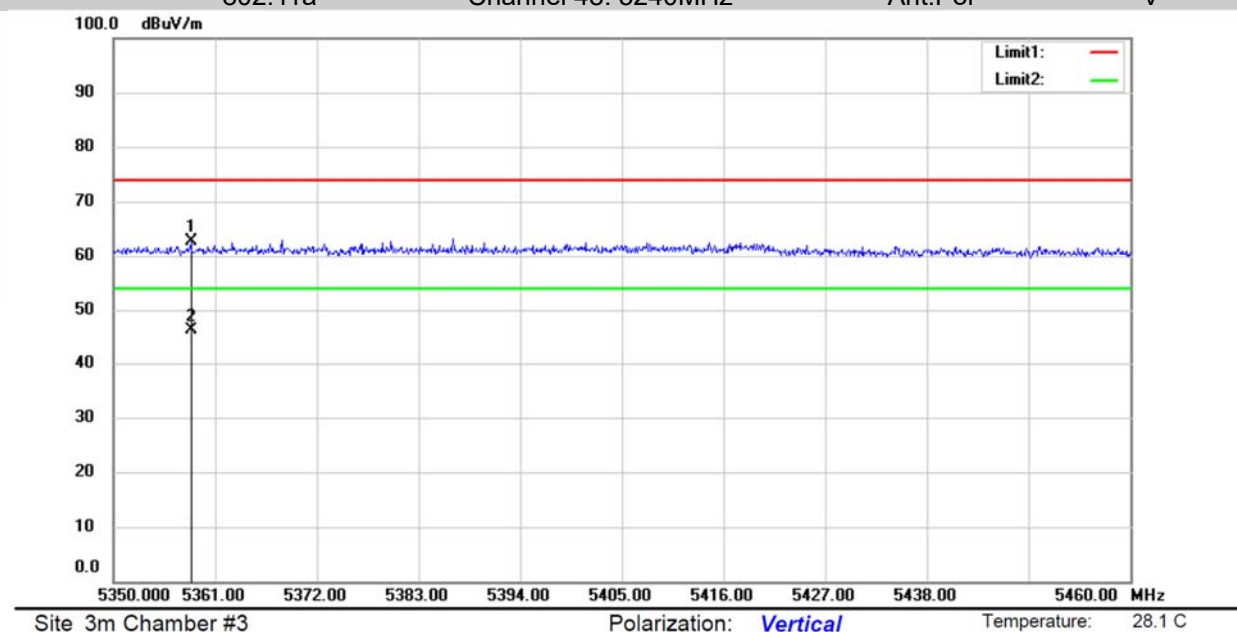
U-NII-1  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 36: 5180MHz Ant.Pol V



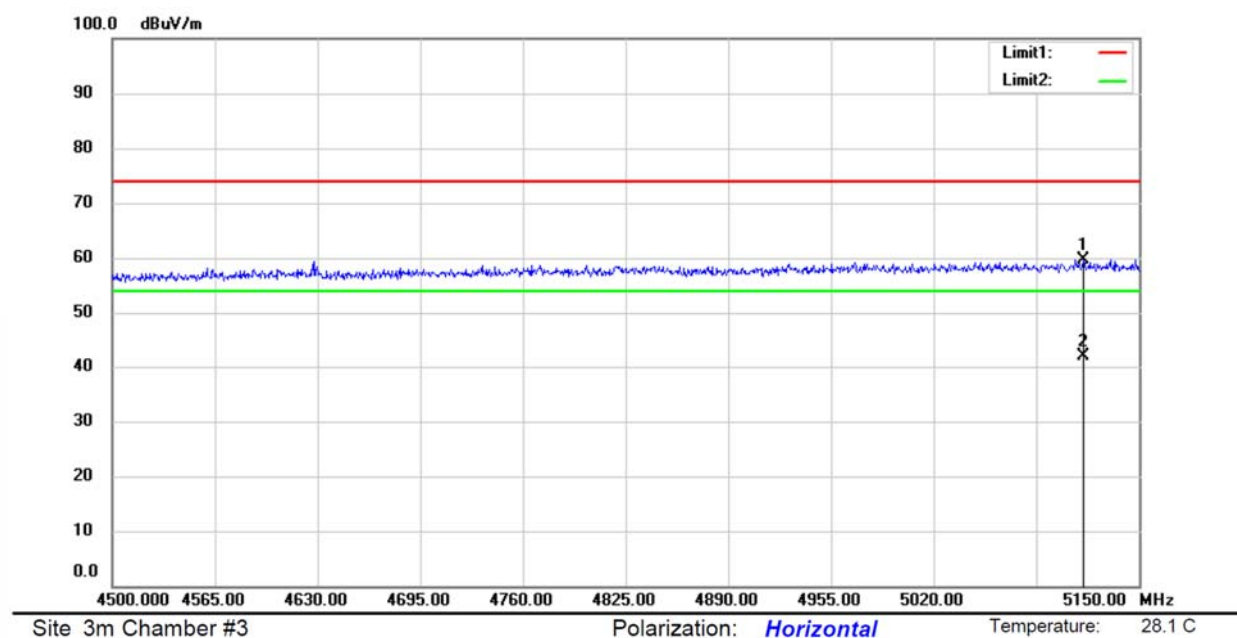
U-NII-1  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 48: 5240MHz Ant.Pol H



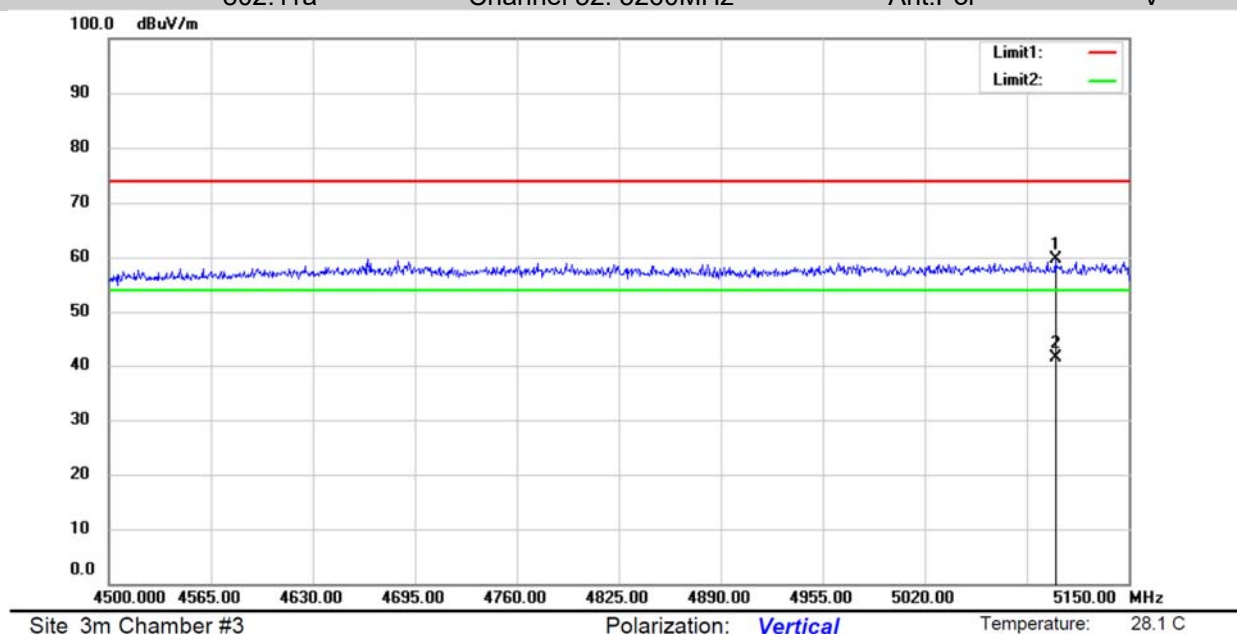
U-NII-1  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 48: 5240MHz Ant.Pol V



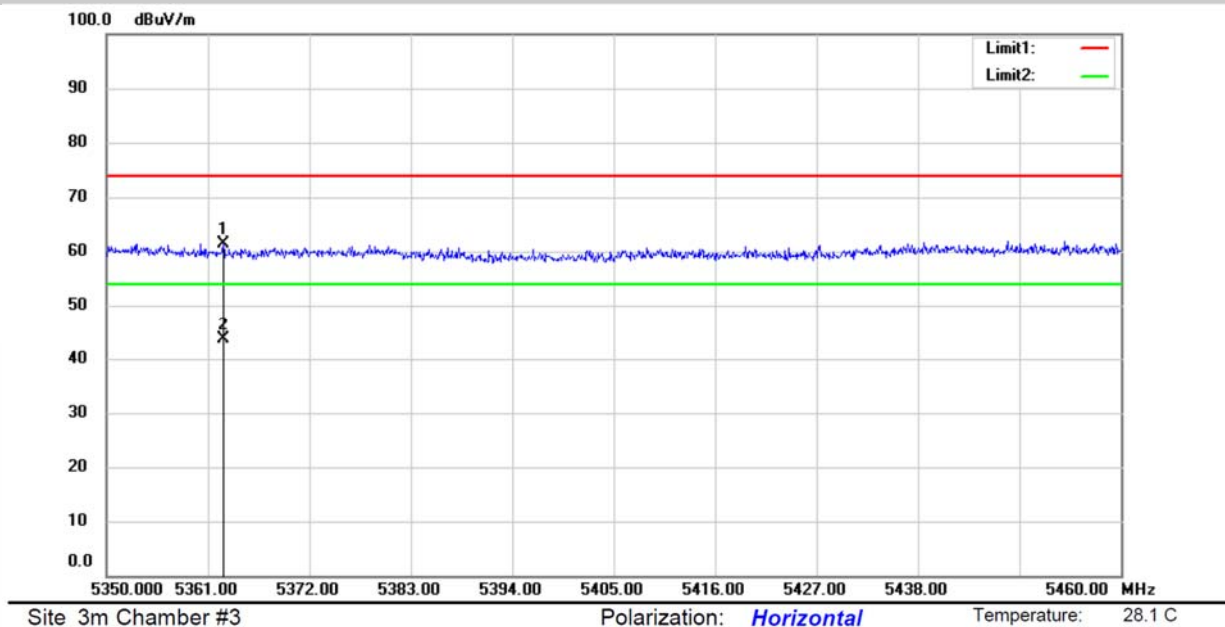
U-NII-2A  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 52: 5260MHz Ant.Pol H



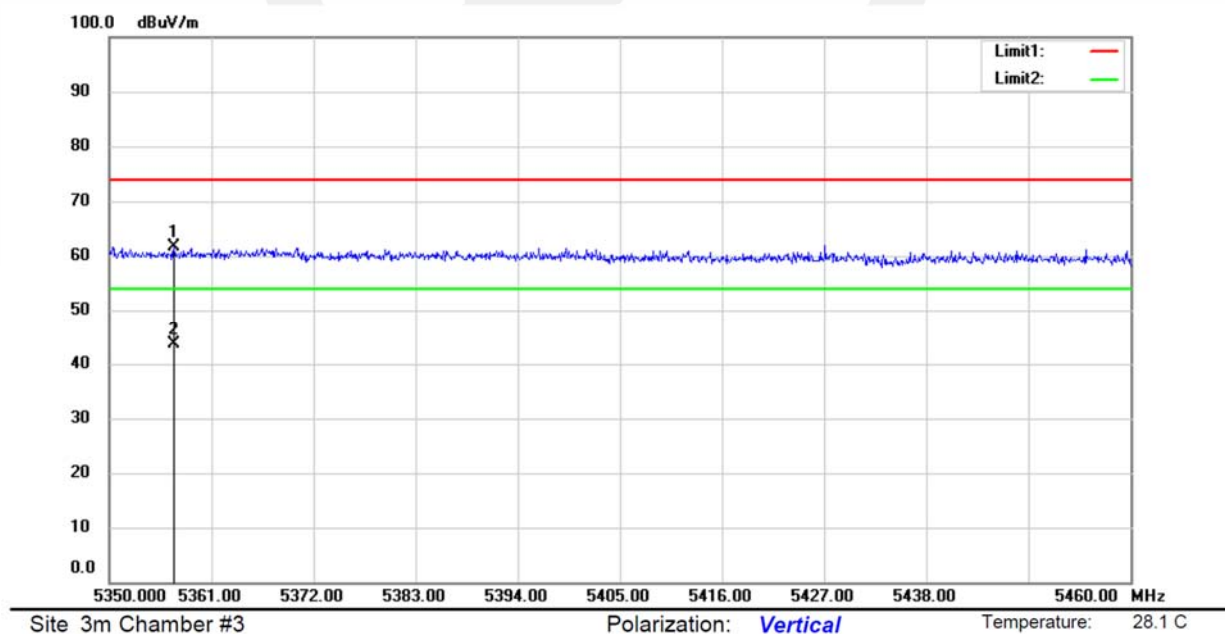
U-NII-2A  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 52: 5260MHz Ant.Pol V



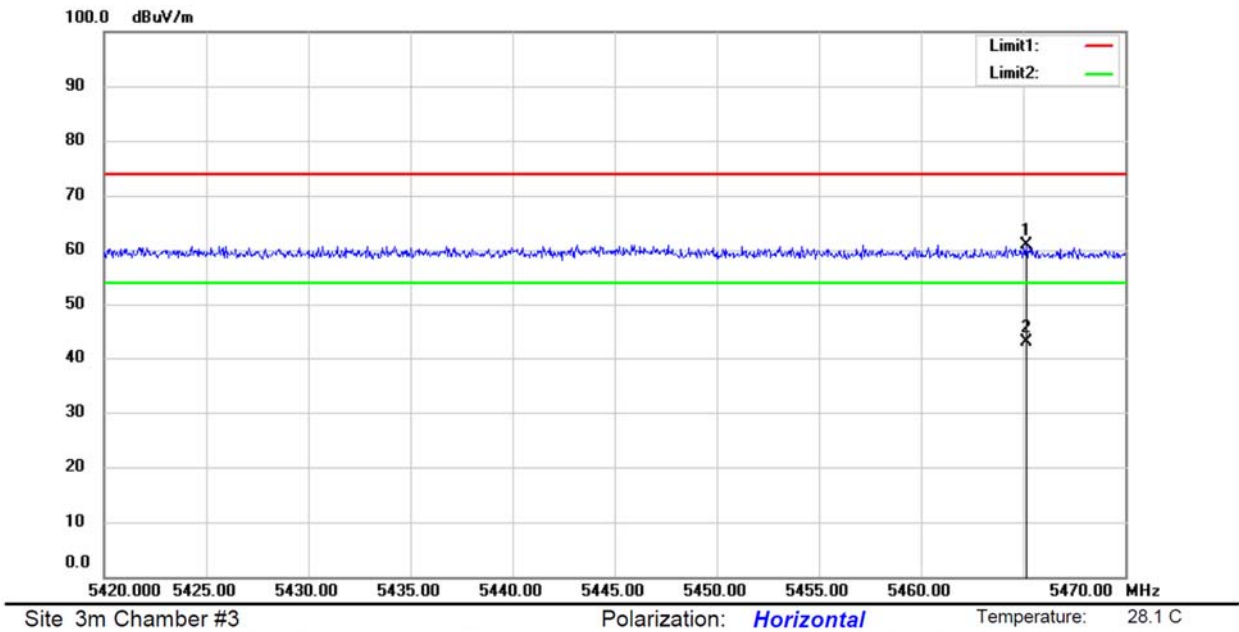
U-NII-2A  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 64: 5320MHz Ant.Pol H



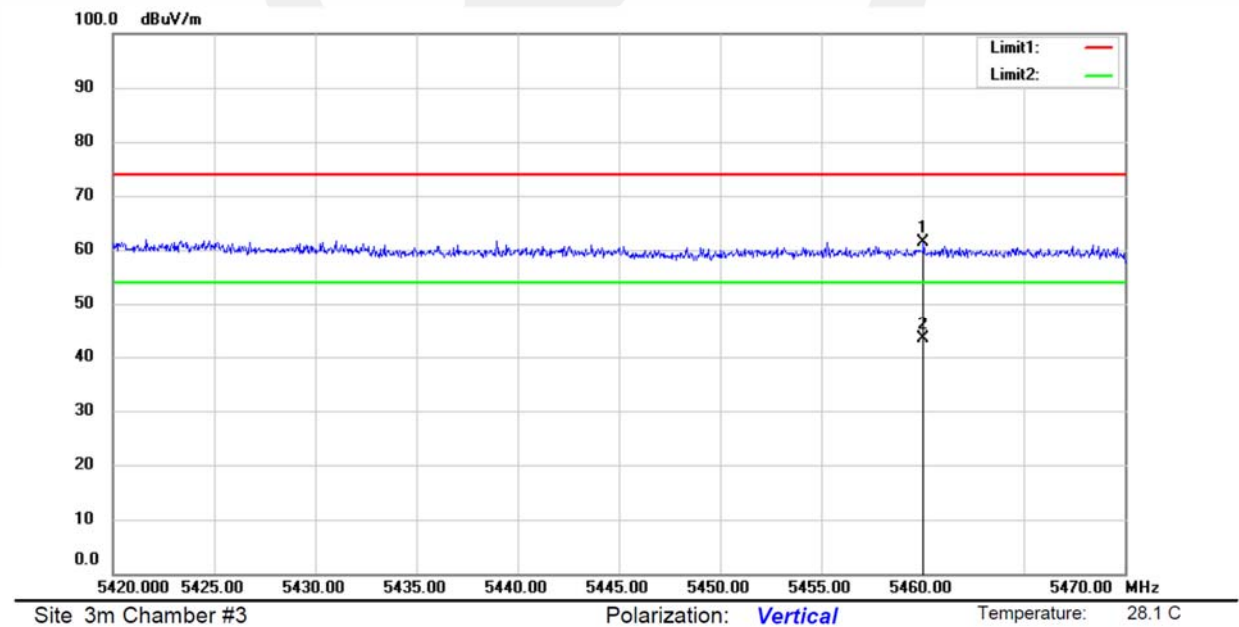
U-NII-2A  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 64: 5320MHz Ant.Pol V



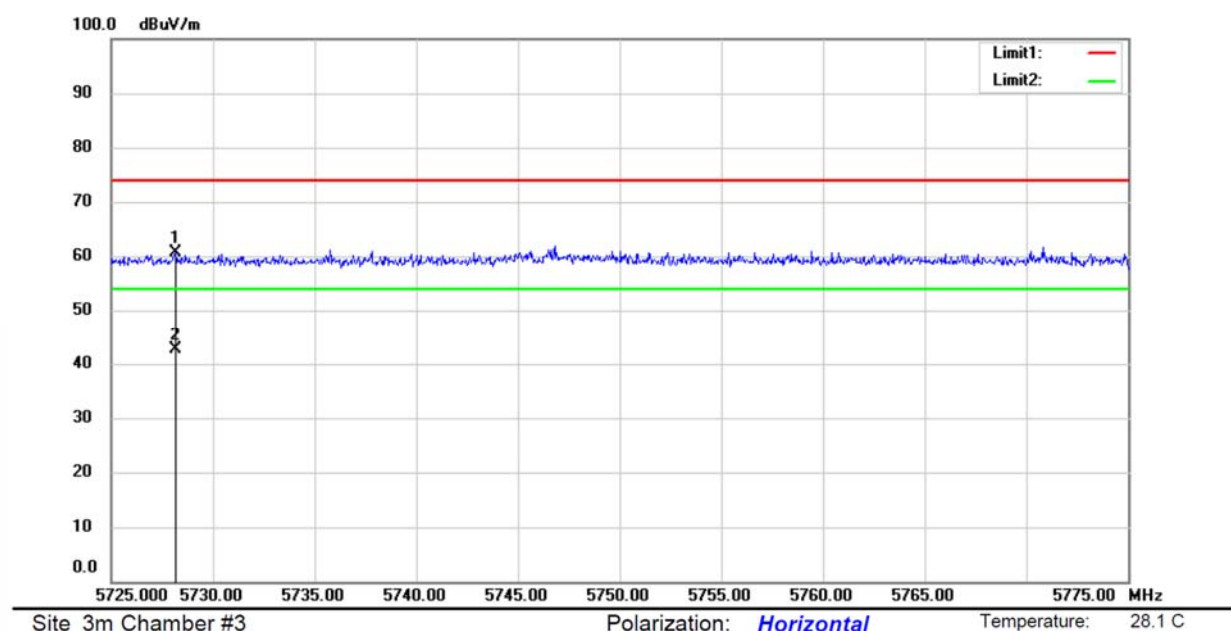
|            |                      |                      |                                |   |
|------------|----------------------|----------------------|--------------------------------|---|
| U-NII-2C   |                      |                      |                                |   |
| Test Model | Undesirable radiated | Undesirable radiated | Spurious Emission in Band Edge |   |
|            | 802.11a              | Channel 100: 5500MHz | Ant.Pol                        | H |



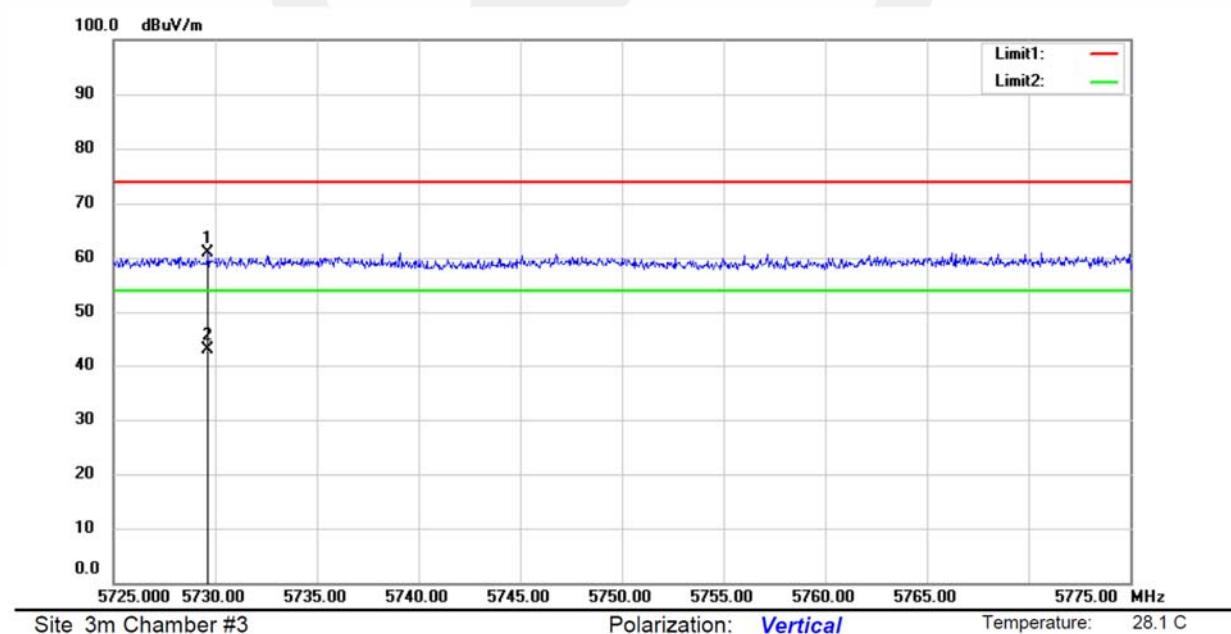
|            |                      |                      |                                |   |
|------------|----------------------|----------------------|--------------------------------|---|
| U-NII-2C   |                      |                      |                                |   |
| Test Model | Undesirable radiated | Undesirable radiated | Spurious Emission in Band Edge |   |
|            | 802.11a              | Channel 100: 5500MHz | Ant.Pol                        | V |



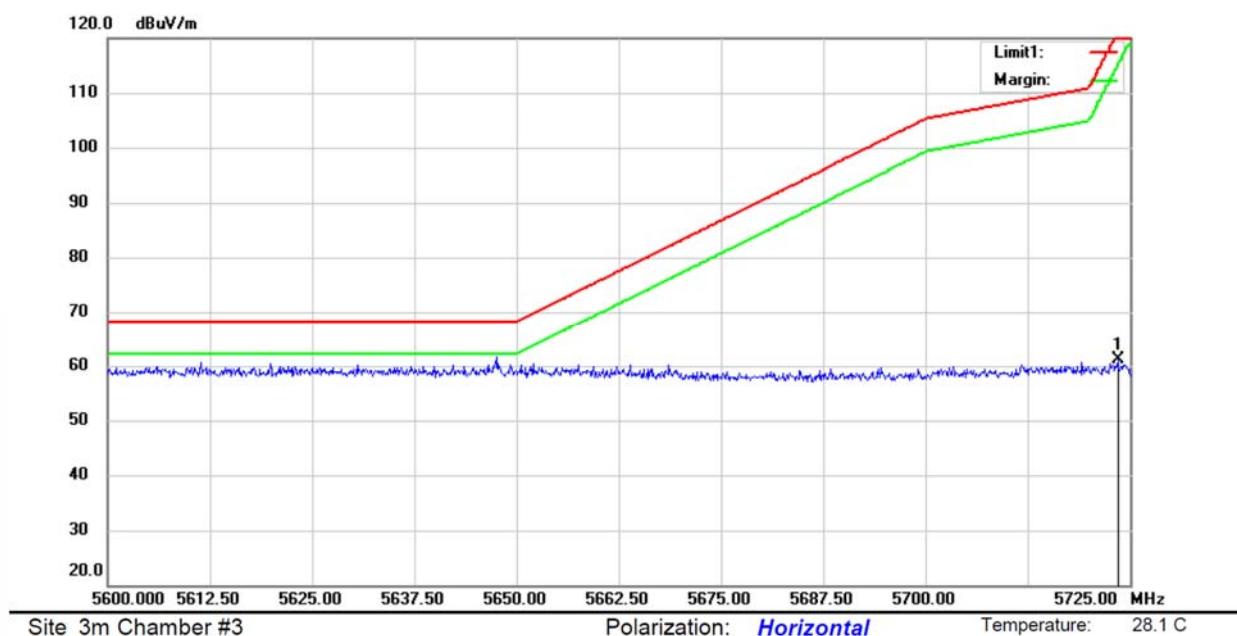
U-NII-2C  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 140: 5700MHz Ant.Pol H



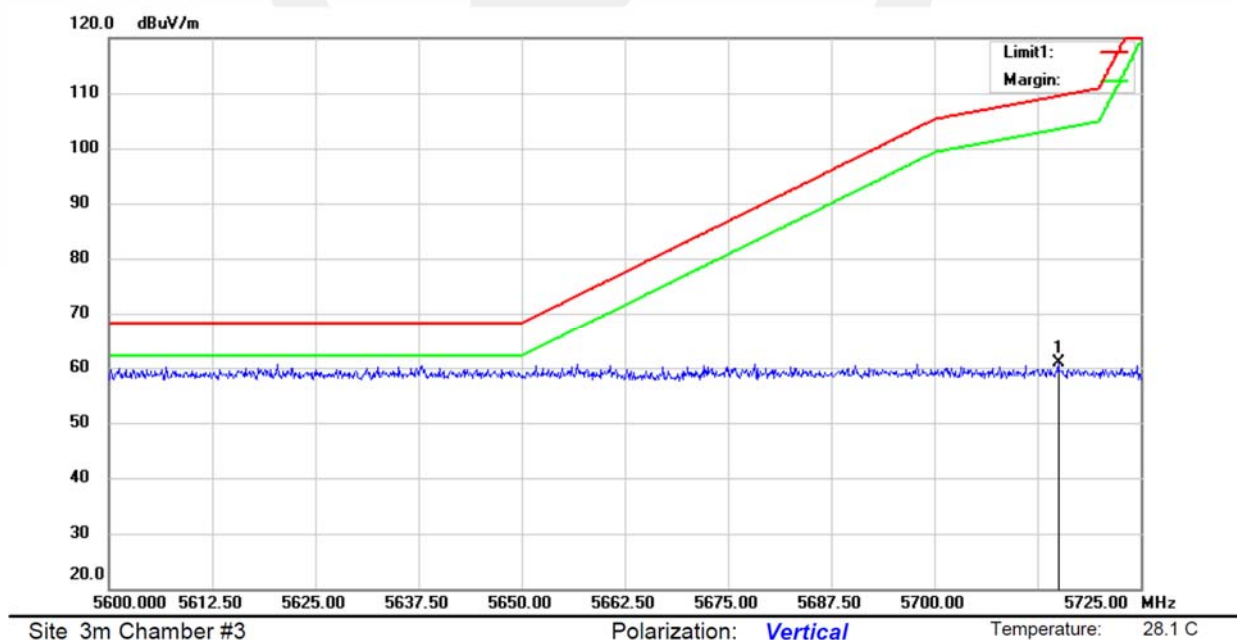
U-NII-2C  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 140: 5700MHz Ant.Pol V



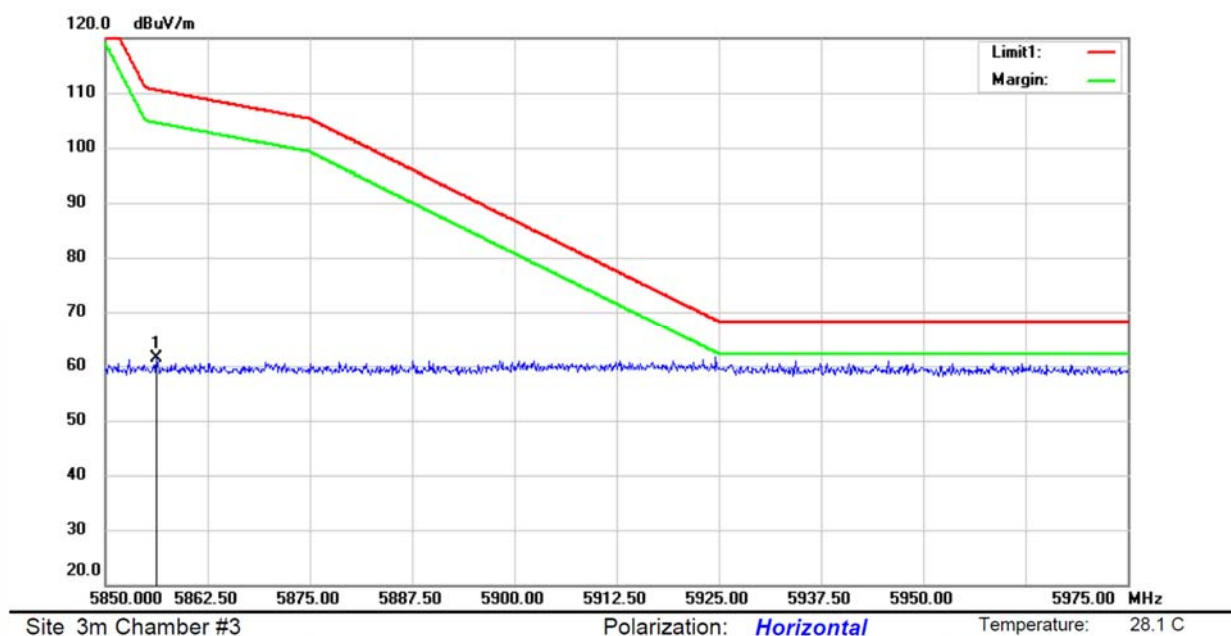
U-NII-3  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 149: 5745MHz Ant.Pol H



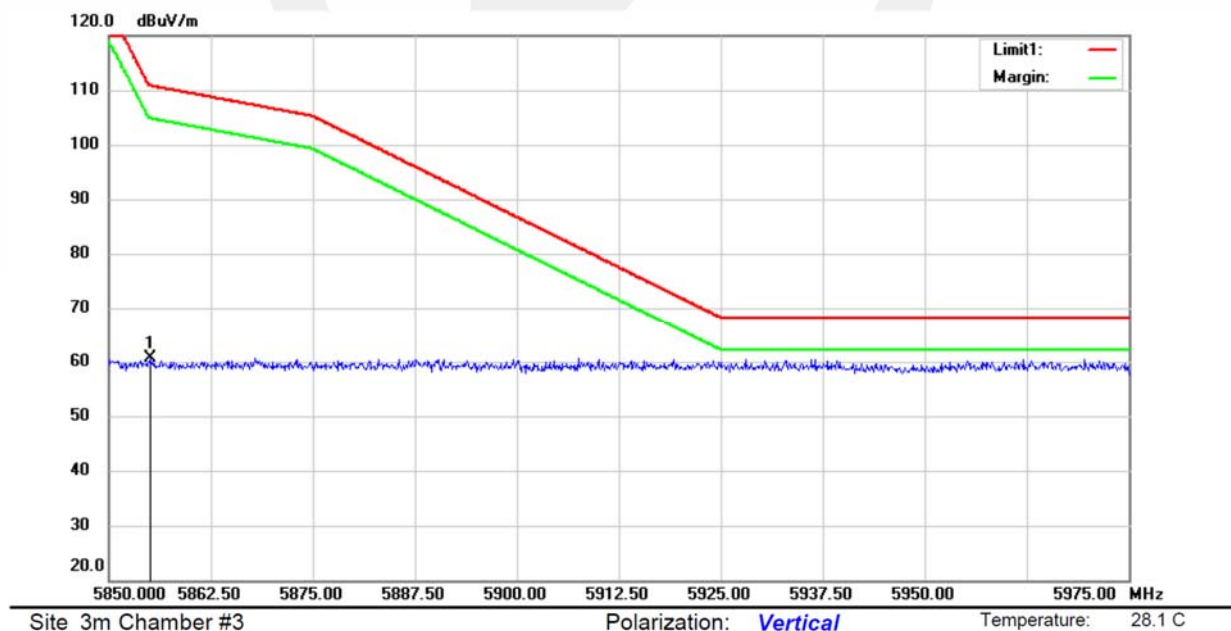
U-NII-3  
 Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 802.11a Channel 149: 5745MHz Ant.Pol V



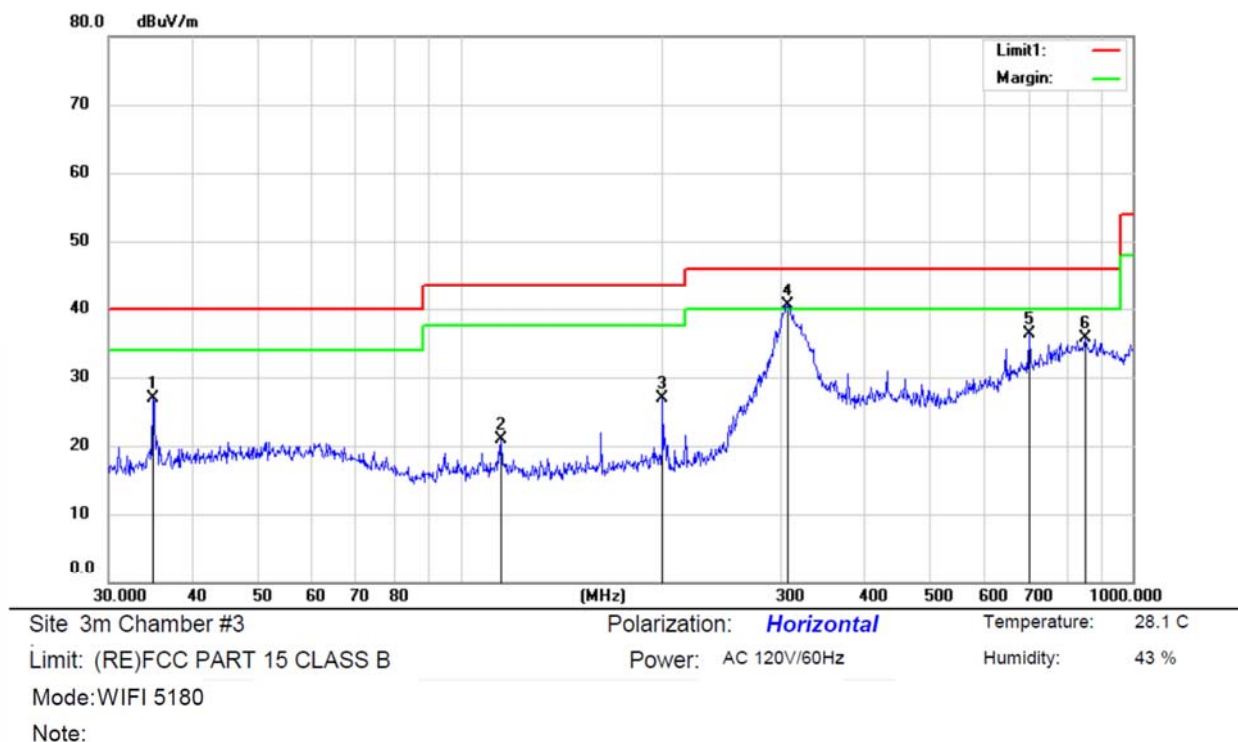
Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
802.11a Channel 165: 5825MHz Ant.Pol H



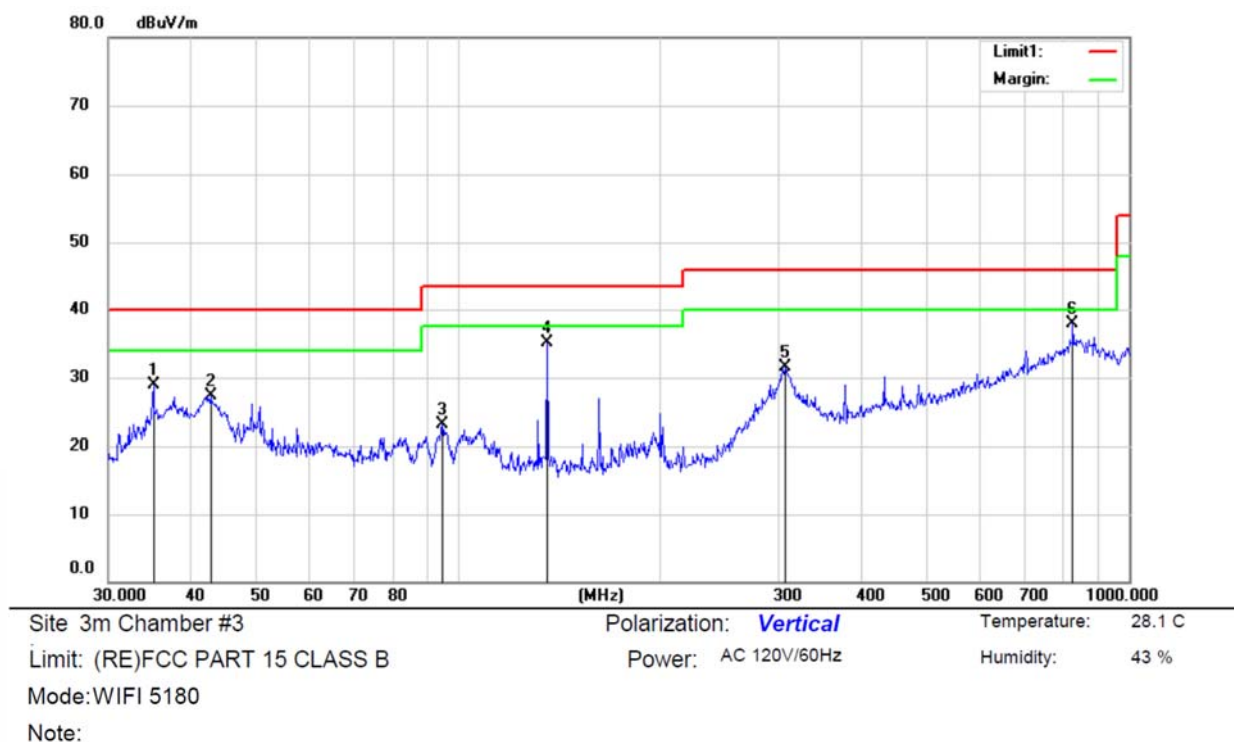
Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
802.11a Channel 165: 5825MHz Ant.Pol V



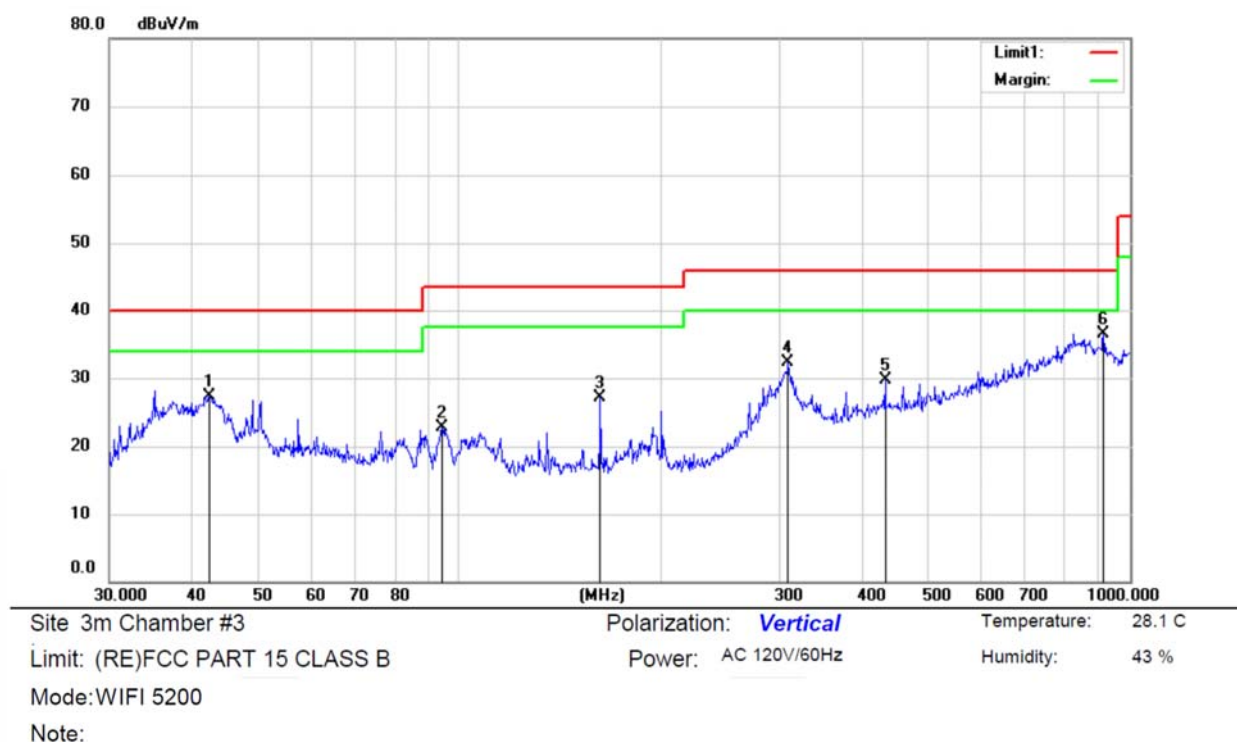
- Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)  
All the antenna(Antenna 1) and modes(802.11a/n/ac) has been tested and the worst(Antenna 1, 802.11a) result recorded was report as below:



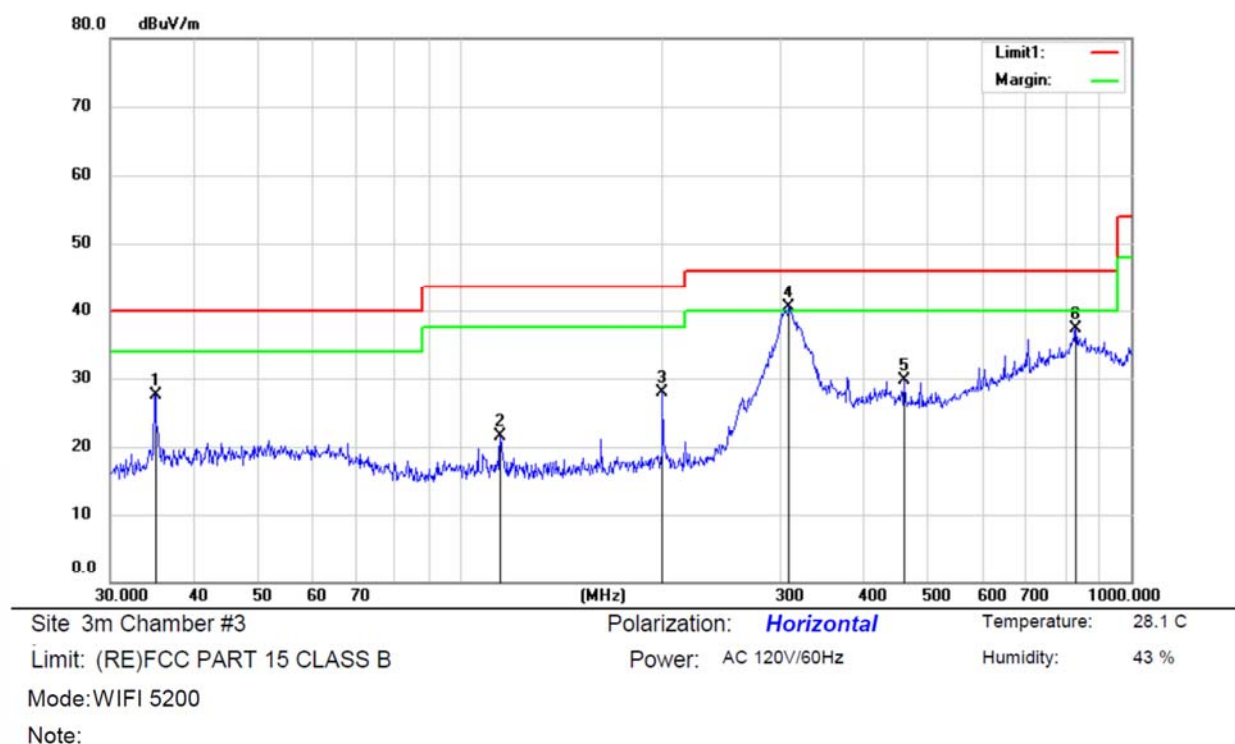
| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Over   | Antenna | Table  |         |
|-----|-----|----------|---------|---------|----------|--------|--------|---------|--------|---------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Height  | Degree |         |
|     |     |          | dBuV    | dB      | dBuV/m   | dBuV/m | dB     | cm      | degree | Comment |
| 1   |     | 34.9742  | 36.09   | -9.20   | 26.89    | 40.00  | -13.11 | QP      |        |         |
| 2   |     | 114.9673 | 30.78   | -9.83   | 20.95    | 43.50  | -22.55 | QP      |        |         |
| 3   |     | 199.9856 | 36.20   | -9.39   | 26.81    | 43.50  | -16.69 | QP      |        |         |
| 4   | *   | 307.6964 | 45.72   | -5.24   | 40.48    | 46.00  | -5.52  | QP      |        |         |
| 5   |     | 702.3765 | 33.67   | 2.71    | 36.38    | 46.00  | -9.62  | QP      |        |         |
| 6   |     | 853.2764 | 29.25   | 6.48    | 35.73    | 46.00  | -10.27 | QP      |        |         |



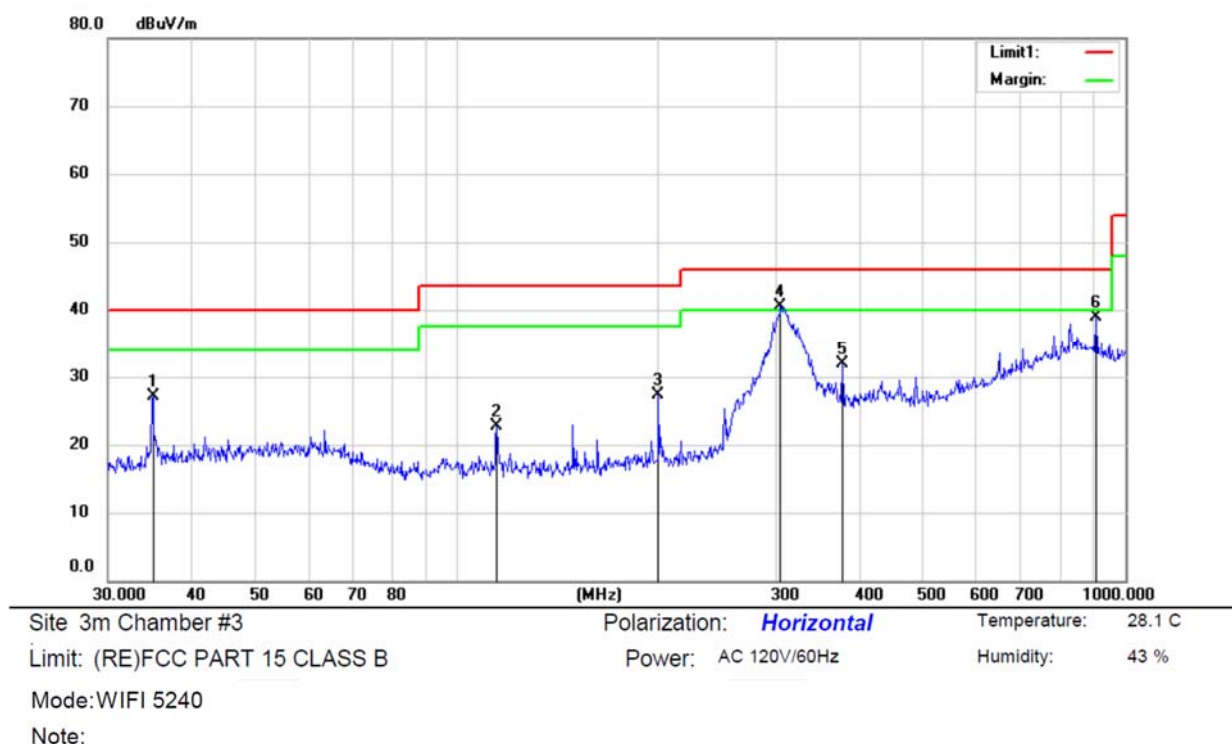
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Antenna<br>Height<br>cm | Table<br>Degree<br>degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|-------------------------|---------------------------|---------|
| 1   |     | 35.0048      | 38.09                    | -9.20                   | 28.89                      | 40.00           | -11.11     | QP                      |                           |         |
| 2   |     | 42.6000      | 35.63                    | -8.25                   | 27.38                      | 40.00           | -12.62     | QP                      |                           |         |
| 3   |     | 94.4284      | 33.38                    | -10.36                  | 23.02                      | 43.50           | -20.48     | QP                      |                           |         |
| 4   |     | 135.6250     | 45.08                    | -9.97                   | 35.11                      | 43.50           | -8.39      | QP                      |                           |         |
| 5   |     | 306.8882     | 36.64                    | -5.22                   | 31.42                      | 46.00           | -14.58     | QP                      |                           |         |
| 6   | *   | 826.4060     | 31.64                    | 6.17                    | 37.81                      | 46.00           | -8.19      | QP                      |                           |         |



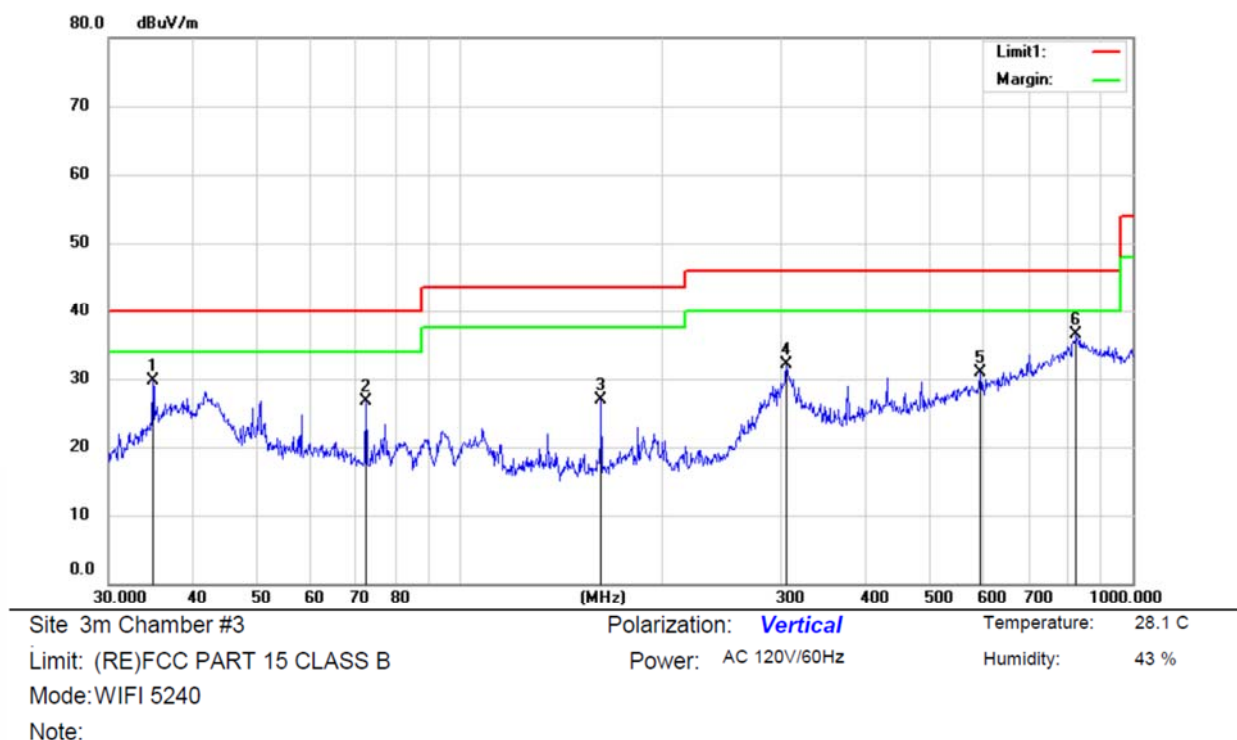
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 42.3580  | 35.71         | -8.31          | 27.40       | 40.00  | -12.60 | QP             |              |         |
| 2   |     | 94.3043  | 33.06         | -10.38         | 22.68       | 43.50  | -20.82 | QP             |              |         |
| 3   |     | 162.0414 | 36.94         | -9.77          | 27.17       | 43.50  | -16.33 | QP             |              |         |
| 4   |     | 308.9126 | 37.55         | -5.27          | 32.28       | 46.00  | -13.72 | QP             |              |         |
| 5   |     | 432.1667 | 31.51         | -1.79          | 29.72       | 46.00  | -16.28 | QP             |              |         |
| 6   | *   | 912.8620 | 31.25         | 5.32           | 36.57       | 46.00  | -9.43  | QP             |              |         |



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 35.0048  | 36.65         | -9.20          | 27.45       | 40.00  | -12.55 | QP             |              |         |
| 2   |     | 114.6151 | 31.46         | -9.87          | 21.59       | 43.50  | -21.91 | QP             |              |         |
| 3   |     | 199.9856 | 37.39         | -9.39          | 28.00       | 43.50  | -15.50 | QP             |              |         |
| 4   | *   | 308.9126 | 45.87         | -5.27          | 40.60       | 46.00  | -5.40  | QP             |              |         |
| 5   |     | 459.3157 | 31.81         | -2.08          | 29.73       | 46.00  | -16.27 | QP             |              |         |
| 6   |     | 827.4934 | 31.06         | 6.23           | 37.29       | 46.00  | -8.71  | QP             |              |         |



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Over   | Antenna | Table  |         |
|-----|-----|----------|---------|---------|----------|--------|--------|---------|--------|---------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Height  | Degree |         |
|     |     |          | dBuV    | dB      | dBuV/m   | dBuV/m | dB     | cm      | degree | Comment |
| 1   |     | 35.0202  | 36.36   | -9.19   | 27.17    | 40.00  | -12.83 | QP      |        |         |
| 2   |     | 114.6151 | 32.62   | -9.87   | 22.75    | 43.50  | -20.75 | QP      |        |         |
| 3   |     | 200.0732 | 36.72   | -9.39   | 27.33    | 43.50  | -16.17 | QP      |        |         |
| 4   | *   | 304.7435 | 45.75   | -5.16   | 40.59    | 46.00  | -5.41  | QP      |        |         |
| 5   |     | 378.2526 | 35.08   | -3.26   | 31.82    | 46.00  | -14.18 | QP      |        |         |
| 6   |     | 905.2912 | 33.39   | 5.44    | 38.83    | 46.00  | -7.17  | QP      |        |         |



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 34.9895  | 38.81         | -9.19          | 29.62       | 40.00  | -10.38 | QP             |              |         |
| 2   |     | 72.3693  | 35.83         | -9.18          | 26.65       | 40.00  | -13.35 | QP             |              |         |
| 3   |     | 162.1124 | 36.75         | -9.78          | 26.97       | 43.50  | -16.53 | QP             |              |         |
| 4   |     | 306.0822 | 37.31         | -5.20          | 32.11       | 46.00  | -13.89 | QP             |              |         |
| 5   |     | 594.3508 | 30.00         | 0.82           | 30.82       | 46.00  | -15.18 | QP             |              |         |
| 6   | *   | 824.9583 | 30.45         | 6.10           | 36.55       | 46.00  | -9.45  | QP             |              |         |

## 8.6 POWER LINE CONDUCTED EMISSIONS

### 8.6.1 Applicable Standard

According to FCC Part 15.207(a)

According to IC RSS-Gen 8.8

### 8.6.2 Conformance Limit

| Frequency(MHz) | Conducted Emission Limit |         |
|----------------|--------------------------|---------|
|                | Quasi-peak               | Average |
| 0.15-0.5       | 66-56                    | 56-46   |
| 0.5-5.0        | 56                       | 46      |
| 5.0-30.0       | 60                       | 50      |

Note: 1. The lower limit shall apply at the transition frequencies

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 8.6.3 Test Configuration

Test according to clause 7.3 conducted emission test setup

### 8.6.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane.

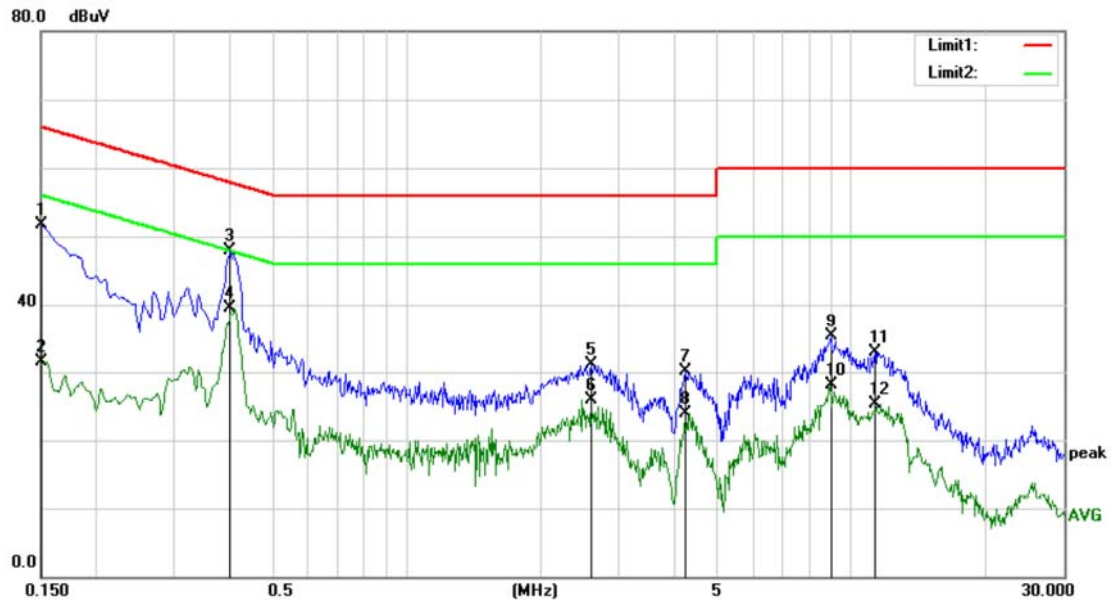
Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Repeat above procedures until all frequency measured were complete.

### 8.6.5 Test Results

Pass

The AC120V &240V voltage have been tested, and the worst result recorded was report as below:



Site Conduction #1

Phase: **N**

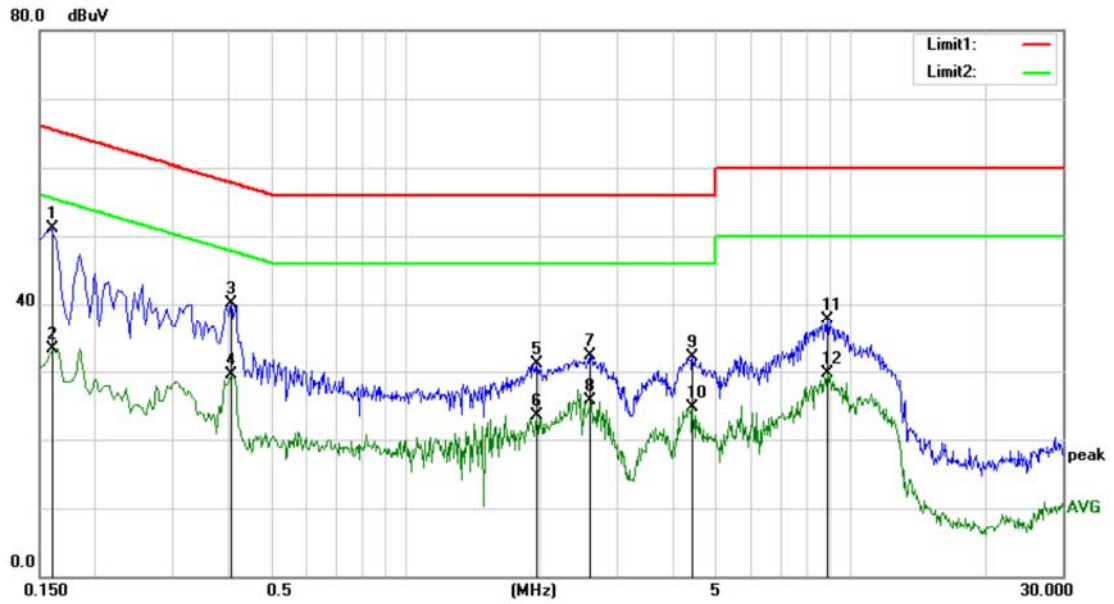
Temperature: 21.9

Limit: (CE)FCC PART 15 class B\_QP

Power: AC 120V/60Hz

Humidity: 58 %

| No. Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|---------|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1       | 0.1500       | 42.26                    | 9.53                    | 51.79                    | 66.00         | -14.21     | QP       |         |
| 2       | 0.1500       | 21.92                    | 9.53                    | 31.45                    | 56.00         | -24.55     | AVG      |         |
| 3       | 0.4000       | 38.40                    | 9.54                    | 47.94                    | 57.85         | -9.91      | QP       |         |
| 4 *     | 0.4000       | 29.90                    | 9.54                    | 39.44                    | 47.85         | -8.41      | AVG      |         |
| 5       | 2.6050       | 21.61                    | 9.56                    | 31.17                    | 56.00         | -24.83     | QP       |         |
| 6       | 2.6050       | 16.26                    | 9.56                    | 25.82                    | 46.00         | -20.18     | AVG      |         |
| 7       | 4.2450       | 20.49                    | 9.57                    | 30.06                    | 56.00         | -25.94     | QP       |         |
| 8       | 4.2450       | 14.37                    | 9.57                    | 23.94                    | 46.00         | -22.06     | AVG      |         |
| 9       | 8.9800       | 25.57                    | 9.67                    | 35.24                    | 60.00         | -24.76     | QP       |         |
| 10      | 8.9800       | 18.41                    | 9.67                    | 28.08                    | 50.00         | -21.92     | AVG      |         |
| 11      | 11.2800      | 23.22                    | 9.74                    | 32.96                    | 60.00         | -27.04     | QP       |         |
| 12      | 11.2800      | 15.53                    | 9.74                    | 25.27                    | 50.00         | -24.73     | AVG      |         |



Site Conduction #1

Phase: **L1**

Temperature: 21.9

Limit: (CE)FCC PART 15 class B\_QP

Power: AC 120V/60Hz

Humidity: 58 %

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   | *   | 0.1600       | 41.50                    | 9.53                    | 51.03                    | 65.46         | -14.43     | QP       |         |
| 2   |     | 0.1600       | 23.70                    | 9.53                    | 33.23                    | 55.46         | -22.23     | AVG      |         |
| 3   |     | 0.4050       | 30.51                    | 9.54                    | 40.05                    | 57.75         | -17.70     | QP       |         |
| 4   |     | 0.4050       | 19.90                    | 9.54                    | 29.44                    | 47.75         | -18.31     | AVG      |         |
| 5   |     | 1.9700       | 21.48                    | 9.55                    | 31.03                    | 56.00         | -24.97     | QP       |         |
| 6   |     | 1.9700       | 13.89                    | 9.55                    | 23.44                    | 46.00         | -22.56     | AVG      |         |
| 7   |     | 2.5950       | 22.71                    | 9.56                    | 32.27                    | 56.00         | -23.73     | QP       |         |
| 8   |     | 2.5950       | 16.05                    | 9.56                    | 25.61                    | 46.00         | -20.39     | AVG      |         |
| 9   |     | 4.4200       | 22.54                    | 9.57                    | 32.11                    | 56.00         | -23.89     | QP       |         |
| 10  |     | 4.4200       | 15.10                    | 9.57                    | 24.67                    | 46.00         | -21.33     | AVG      |         |
| 11  |     | 8.9050       | 28.08                    | 9.67                    | 37.75                    | 60.00         | -22.25     | QP       |         |
| 12  |     | 8.9050       | 20.06                    | 9.67                    | 29.73                    | 50.00         | -20.27     | AVG      |         |

## 8.7 ANTENNA APPLICATION

### 8.7.1 Antenna Requirement

| Standard            | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCC CRF Part 15.203 | 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 shall be considered sufficient to comply with the provisions of this section. 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.                                        |
| RSS-Gen Section 6.8 | The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list. |

### 8.7.2 Result

PASS.

- Note:
- ☒ Antenna use a permanently attached antenna which is not replaceable.
  - ☐ Not using a standard antenna jack or electrical connector for antenna replacement
  - ☐ The antenna has to be professionally installed (please provide method of installation)

Please refer to the attached document Internal Photos to show the antenna connector.

----- END OF REPORT -----