

### 3.6 Band Edge

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                    |               |                  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|---------------|------------------|
| Test Requirement: | FCC Part15 E Section 15.407 and 15.205, RSS-247 Issue 2, RSS-Gen Issue 5,                                                                                                                                                                                                                                                                                                                                                                                          |            |                    |               |                  |
| Test Method:      | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                    |               |                  |
| Test site:        | Measurement Distance: 3m (Semi-Anechoic Chamber)                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                    |               |                  |
| Receiver setup:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                    |               |                  |
|                   | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Detector   | RBW                | VBW           | Remark           |
|                   | 30MHz-1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quasi-peak | 100KHz             | 300KHz        | Quasi-peak Value |
|                   | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Peak       | 1MHz               | 3MHz          | Peak Value       |
| AV                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1MHz       | 3MHz               | Average Value |                  |
| Limit:            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                    |               |                  |
|                   | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            | Limit (dBuV/m @3m) |               | Remark           |
|                   | 30MHz-88MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            | 40.0               |               | Quasi-peak Value |
|                   | 88MHz-216MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | 43.5               |               | Quasi-peak Value |
|                   | 216MHz-960MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            | 46.0               |               | Quasi-peak Value |
|                   | 960MHz-1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            | 54.0               |               | Quasi-peak Value |
|                   | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            | 54.0               |               | Average Value    |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | 68.2               |               | Peak Value       |
|                   | Undesirable emission limits:                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                    |               |                  |
|                   | (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.                                                                                                                                                                                                                                                                                                                 |            |                    |               |                  |
|                   | (2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band. |            |                    |               |                  |
|                   | (3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.                                                                                                                                                                                                                                                                                                               |            |                    |               |                  |
| Test Procedure:   | a. The EUT was placed on the top of a rotating table 1.5 m above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.                                                                                                                                                                                                                                                                             |            |                    |               |                  |
|                   | b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.                                                                                                                                                                                                                                                                                                                         |            |                    |               |                  |
|                   | c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.                                                                                                                                                                                                                                    |            |                    |               |                  |
|                   | d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.                                                                                                                                                                                                                            |            |                    |               |                  |
|                   | e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.                                                                                                                                                                                                                                                                                                                                                        |            |                    |               |                  |
|                   | f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.                                                                                                             |            |                    |               |                  |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                    |               |                  |
| Test setup:       | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |                    |               |                  |

|                   |                                   |
|-------------------|-----------------------------------|
|                   |                                   |
| Test Instruments: | Refer to section 5.10 for details |
| Test mode:        | Refer to section 5.3 for details  |
| Test results:     | Pass                              |

Remark:

According to KDB 789033 D02 v02r01 section G) 1) (d), for For measurements above 1000 MHz @ 3m distance, the limit of field strength is computed as follows:

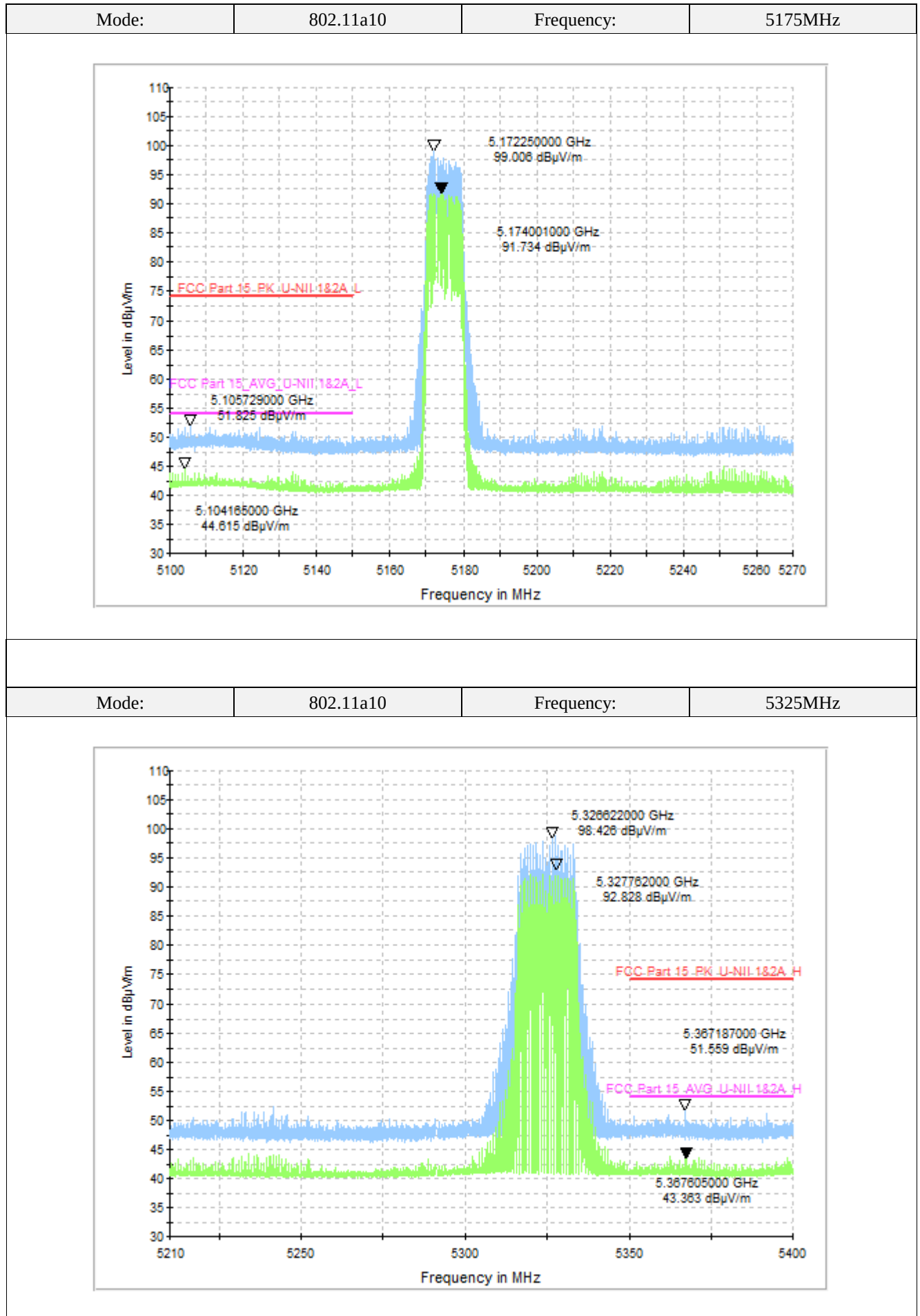
$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2;$

For example, if EIRP = -27dBm

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

## Measurement Data:

## Band1&amp;2

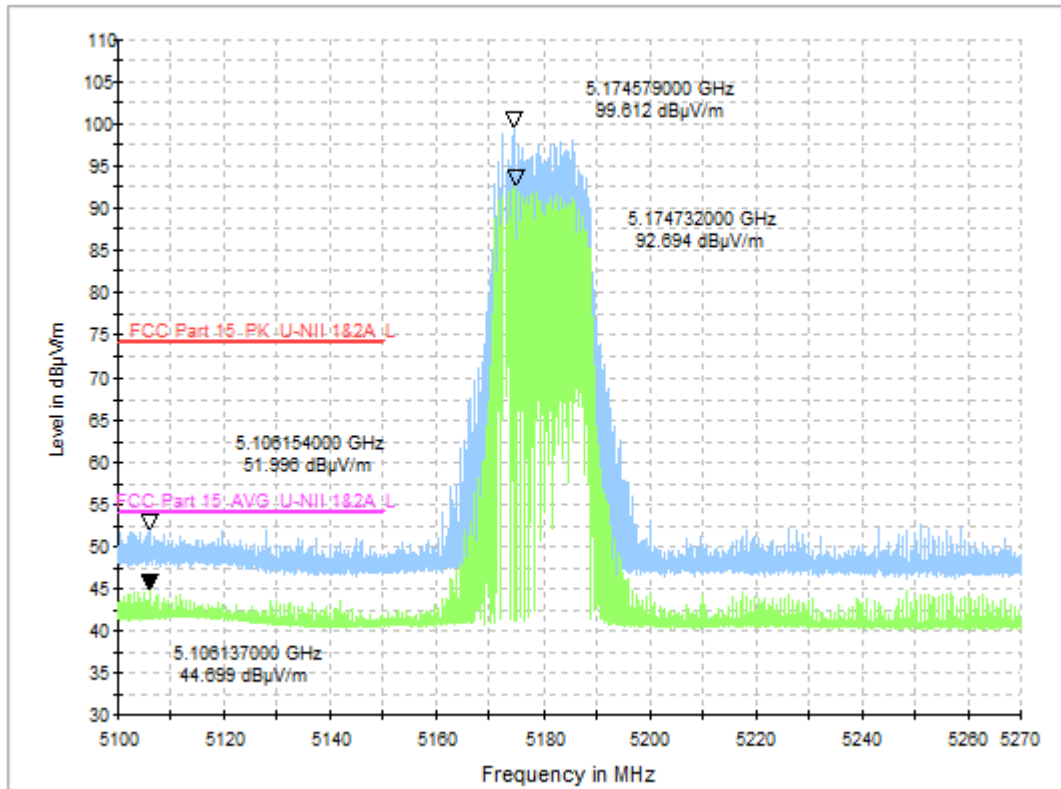


Mode:

802.11a20

Frequency:

5180MHz

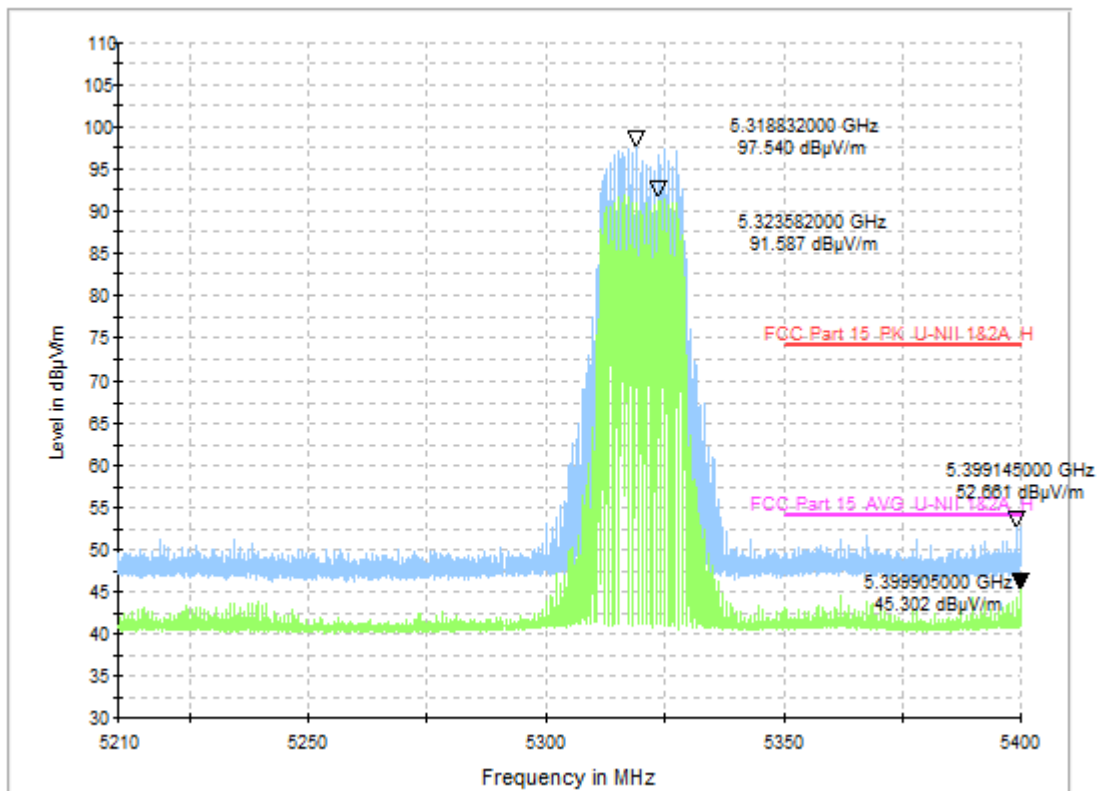


Mode:

802.11a20

Frequency:

5320MHz

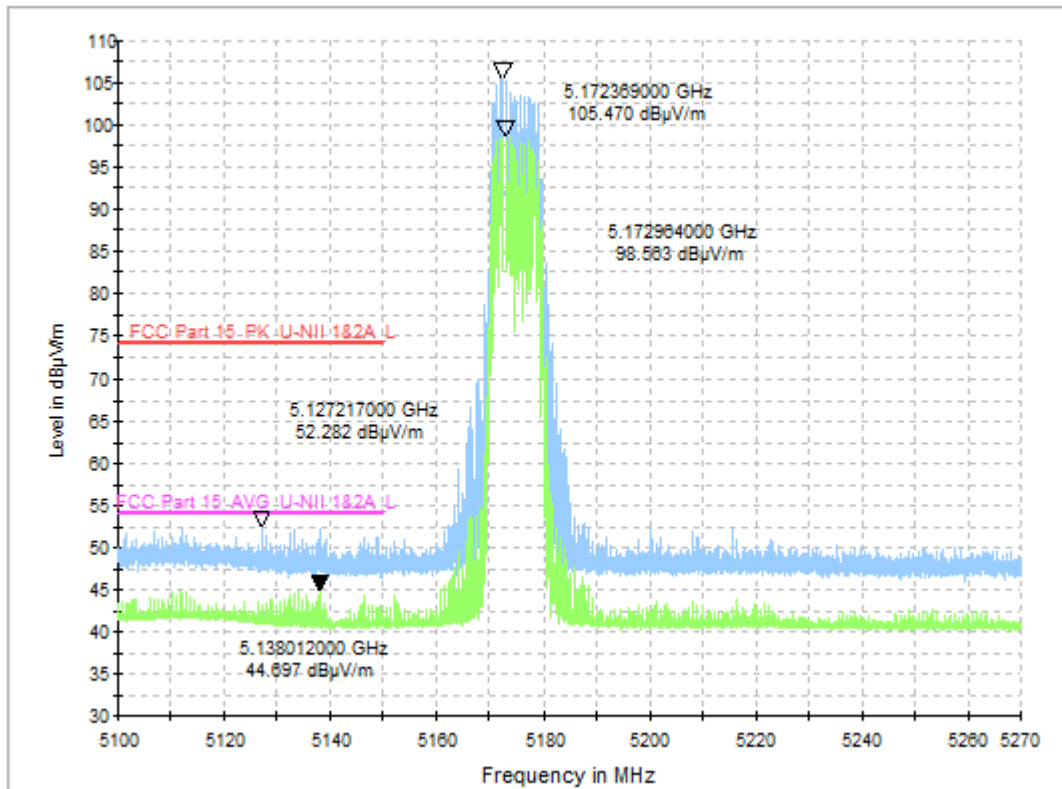


Mode:

802.11n(HT10)

Frequency:

5175MHz

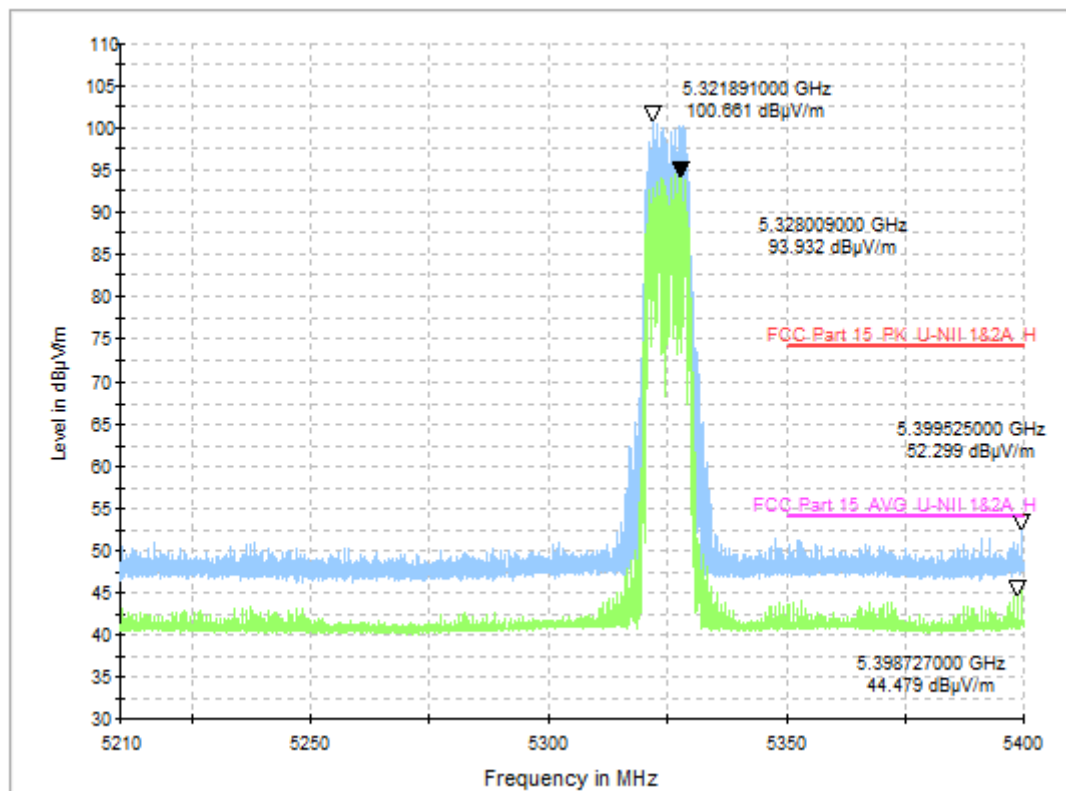


Mode:

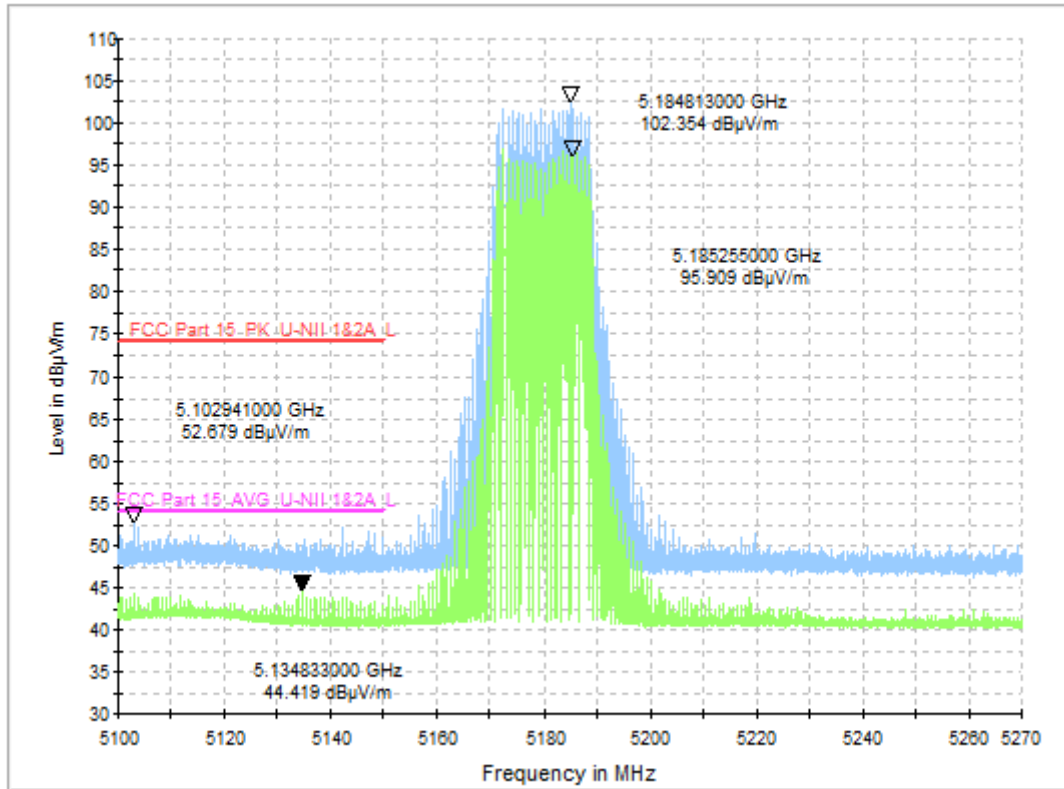
802.11n(HT10)

Frequency:

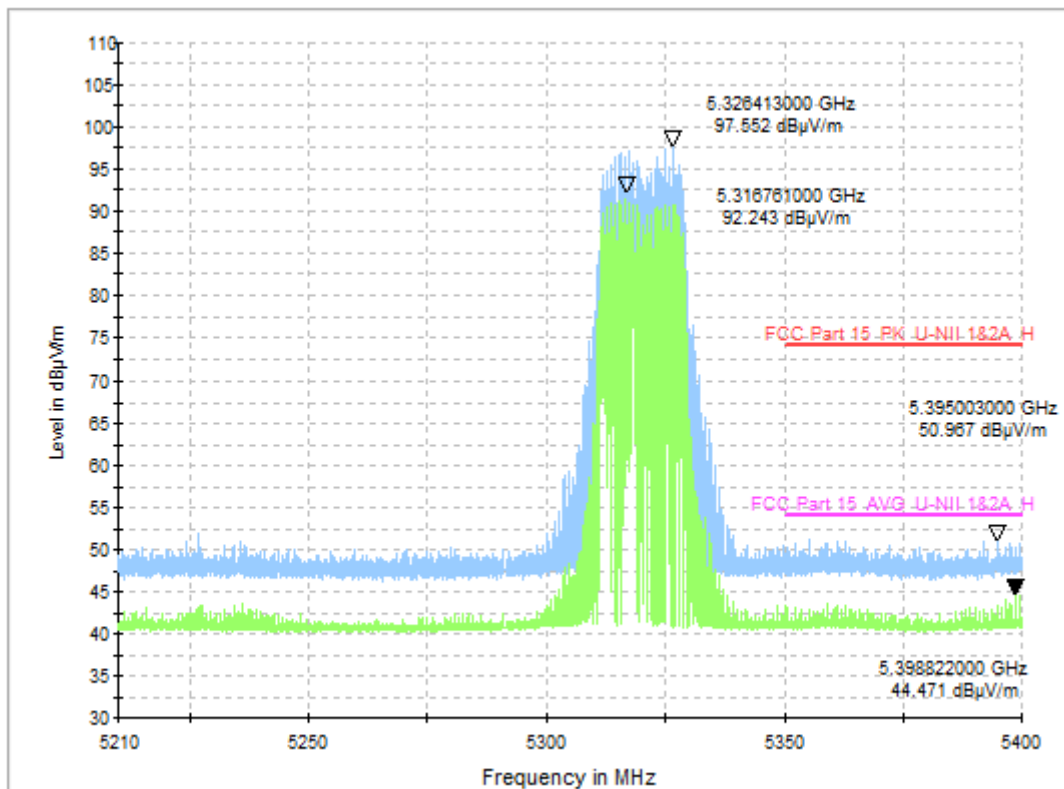
5325MHz



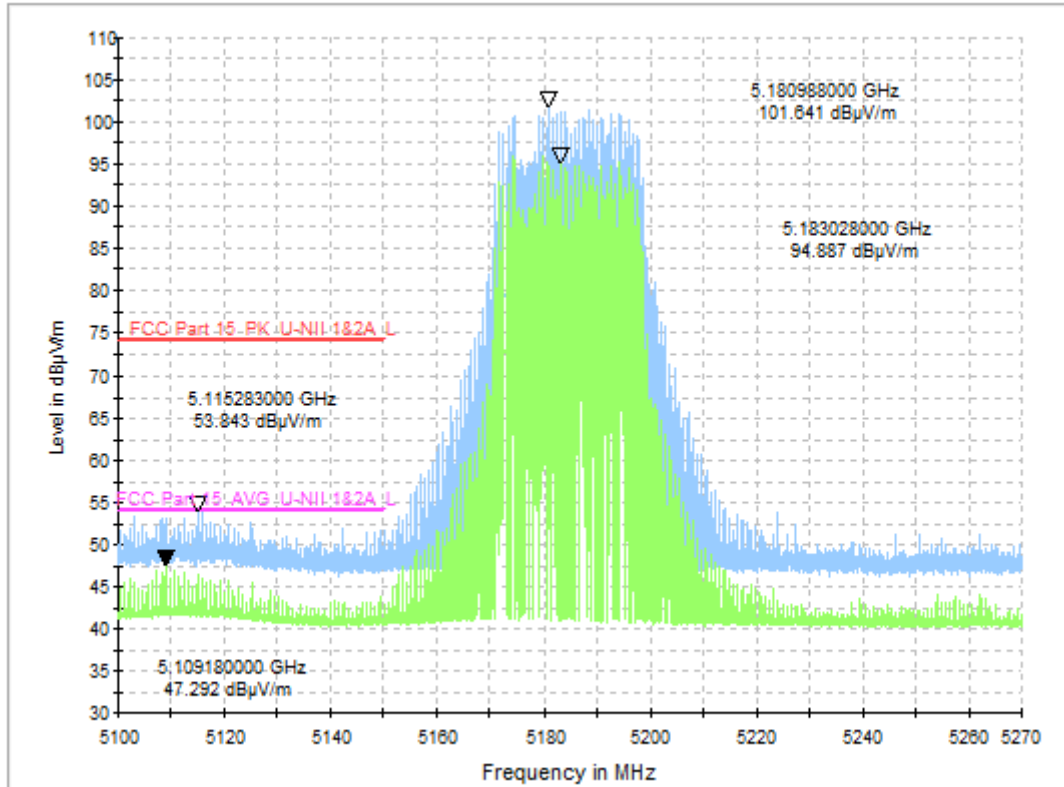
|       |               |            |         |
|-------|---------------|------------|---------|
| Mode: | 802.11n(HT20) | Frequency: | 5180MHz |
|-------|---------------|------------|---------|



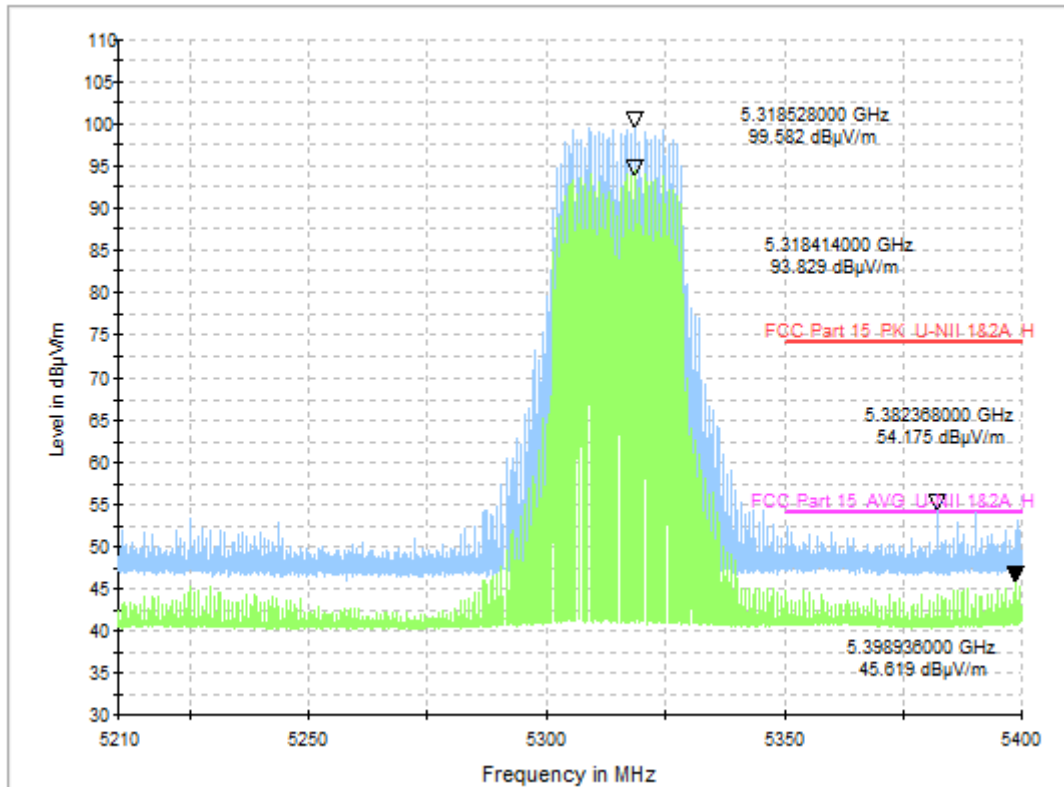
|       |               |            |         |
|-------|---------------|------------|---------|
| Mode: | 802.11n(HT20) | Frequency: | 5320MHz |
|-------|---------------|------------|---------|



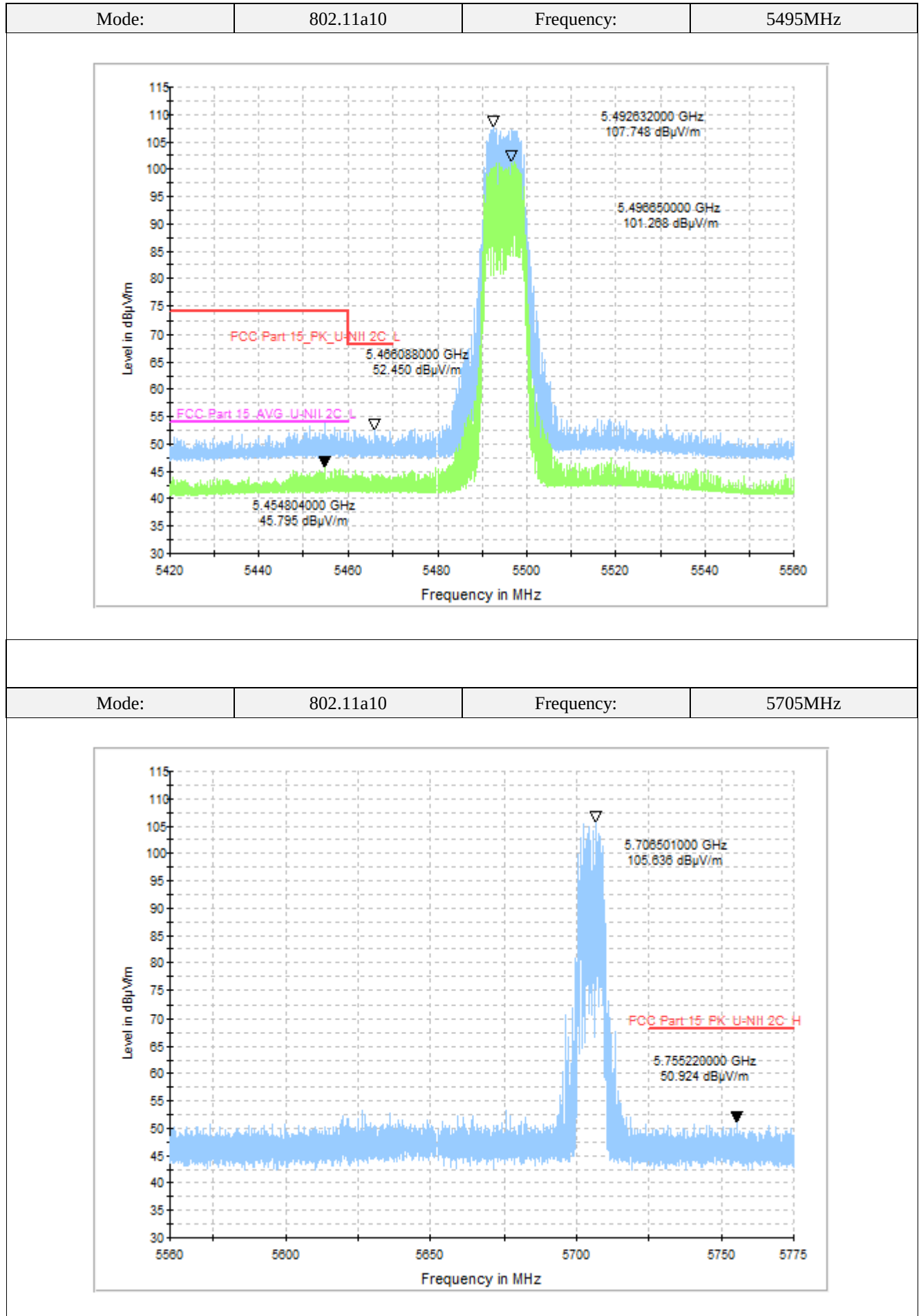
|       |               |            |         |
|-------|---------------|------------|---------|
| Mode: | 802.11n(HT30) | Frequency: | 5185MHz |
|-------|---------------|------------|---------|



|       |               |            |         |
|-------|---------------|------------|---------|
| Mode: | 802.11n(HT30) | Frequency: | 5315MHz |
|-------|---------------|------------|---------|



## Band3



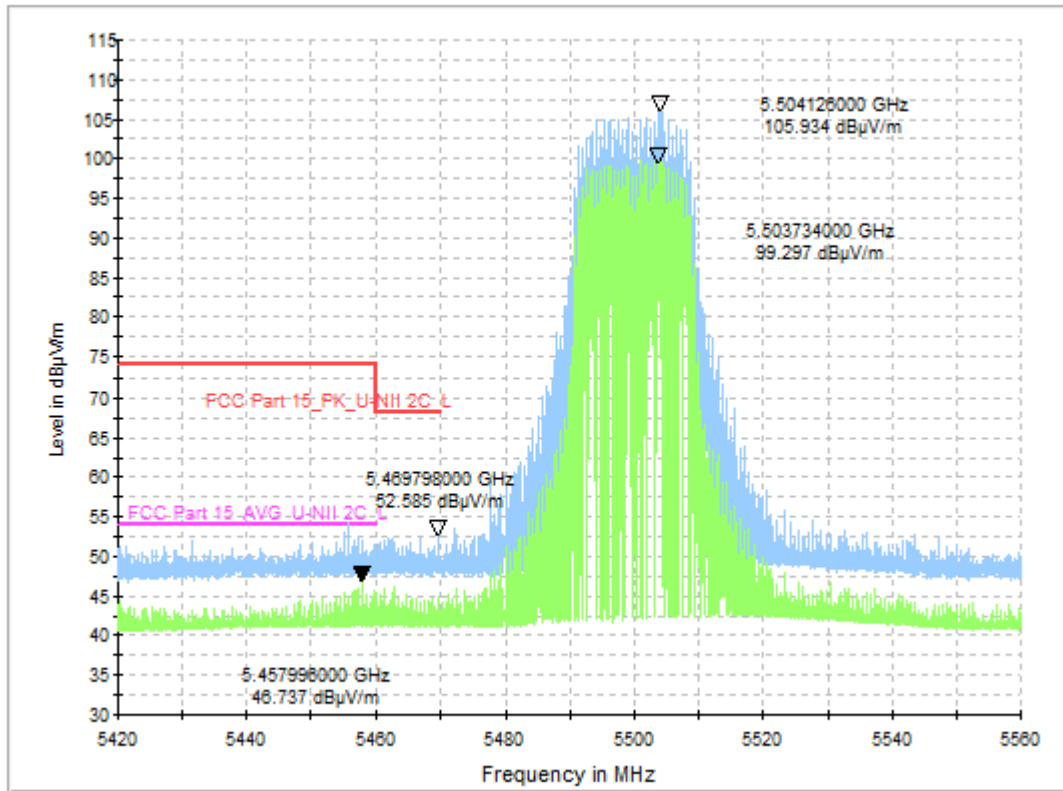


Mode:

802.11a20

Frequency:

5500MHz

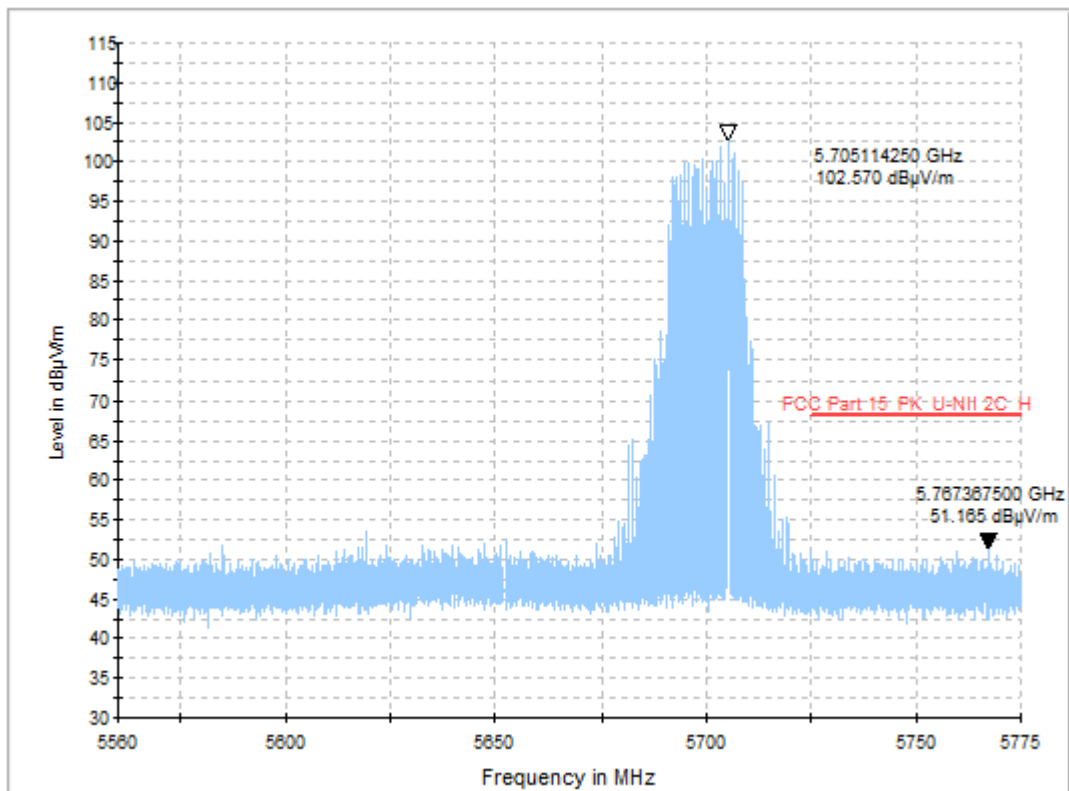


Mode:

802.11a20

Frequency:

5700MHz

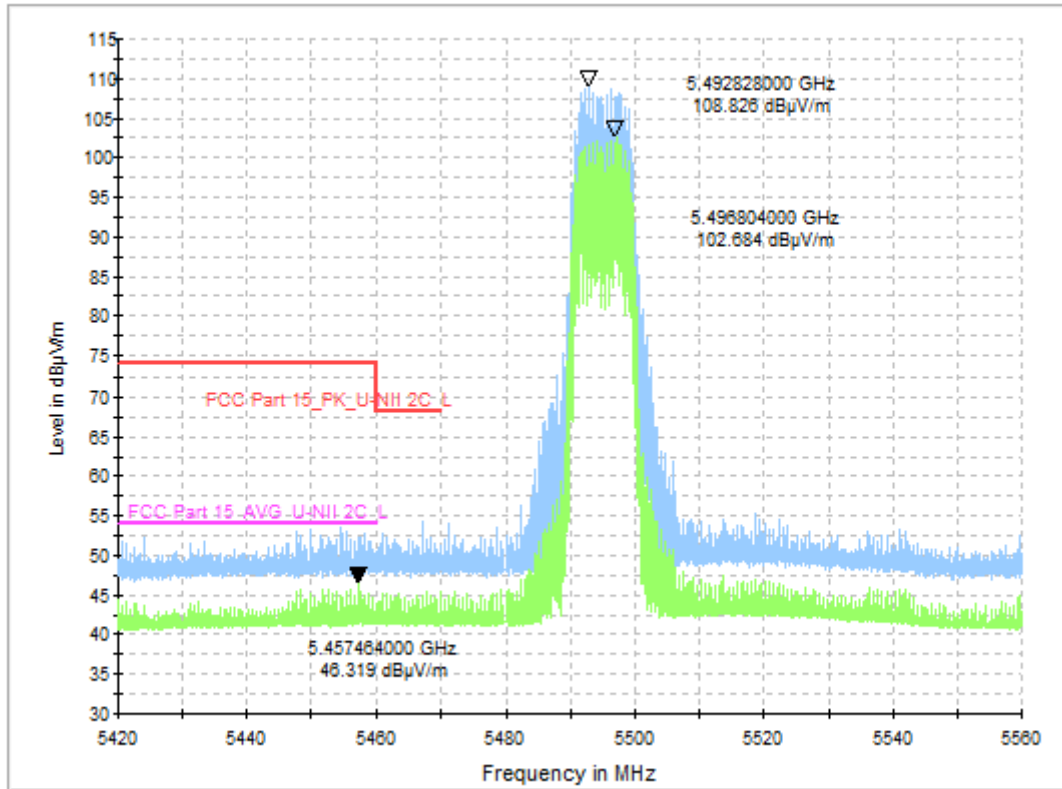


Mode:

802.11n(HT10)

Frequency:

5495MHz

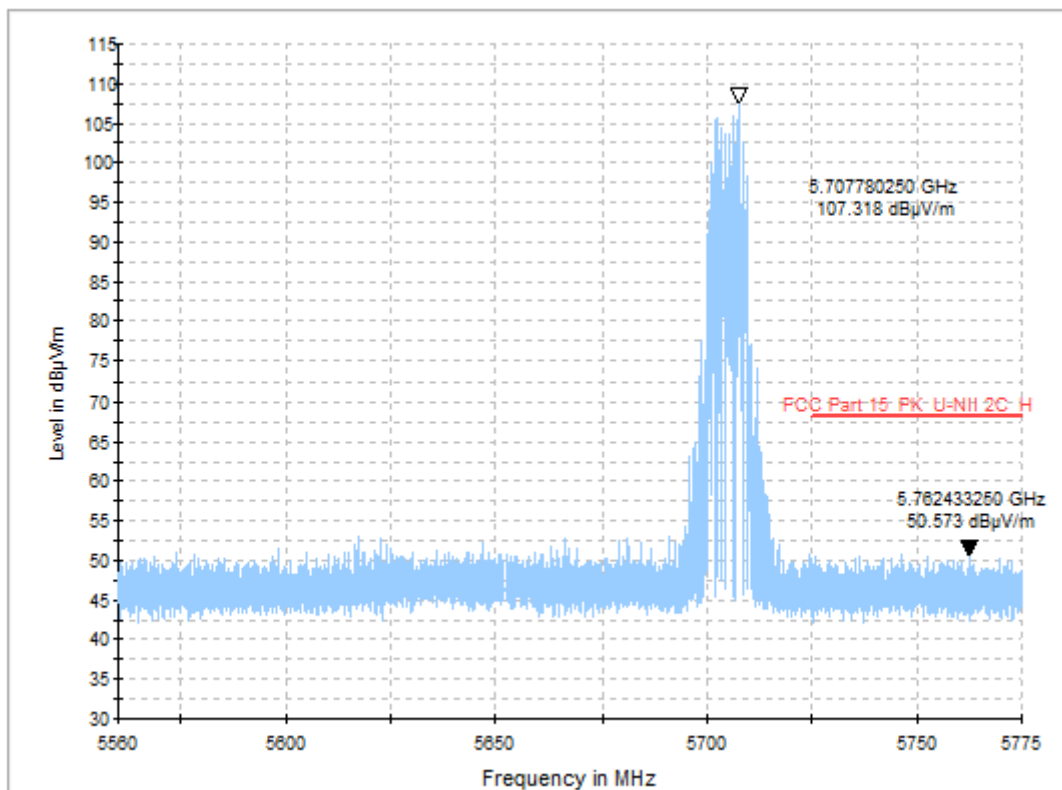


Mode:

802.11n(HT10)

Frequency:

5705MHz

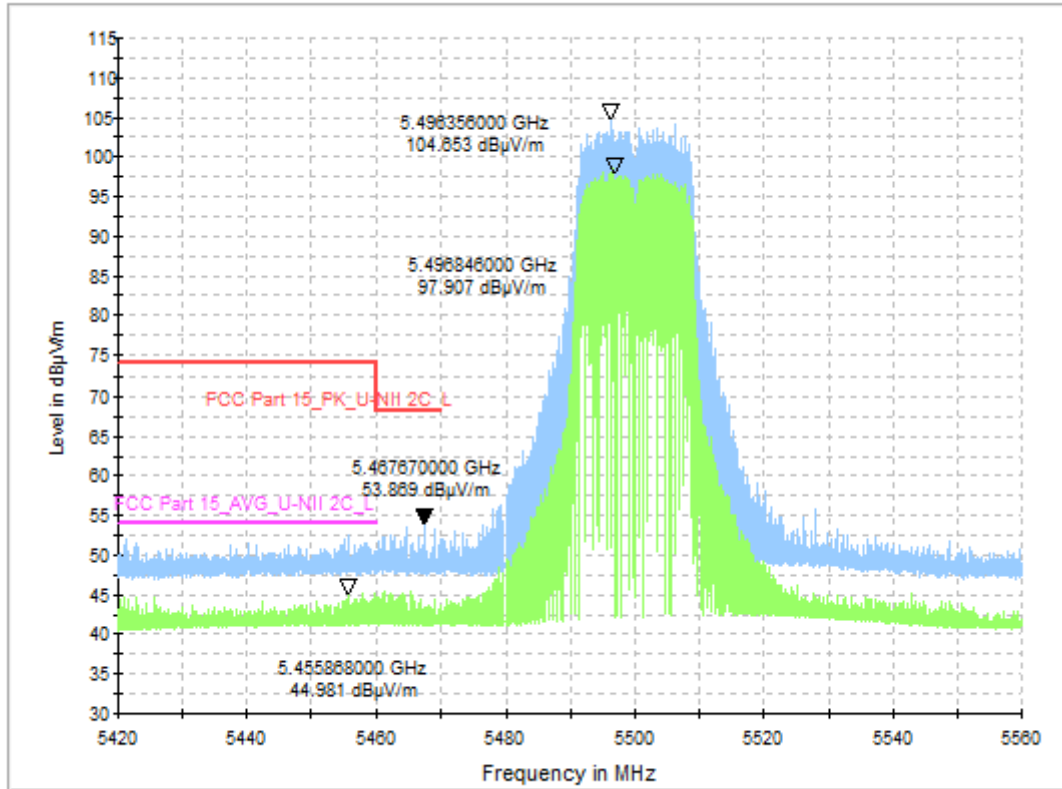


Mode:

802.11n(HT20)

Frequency:

5500MHz

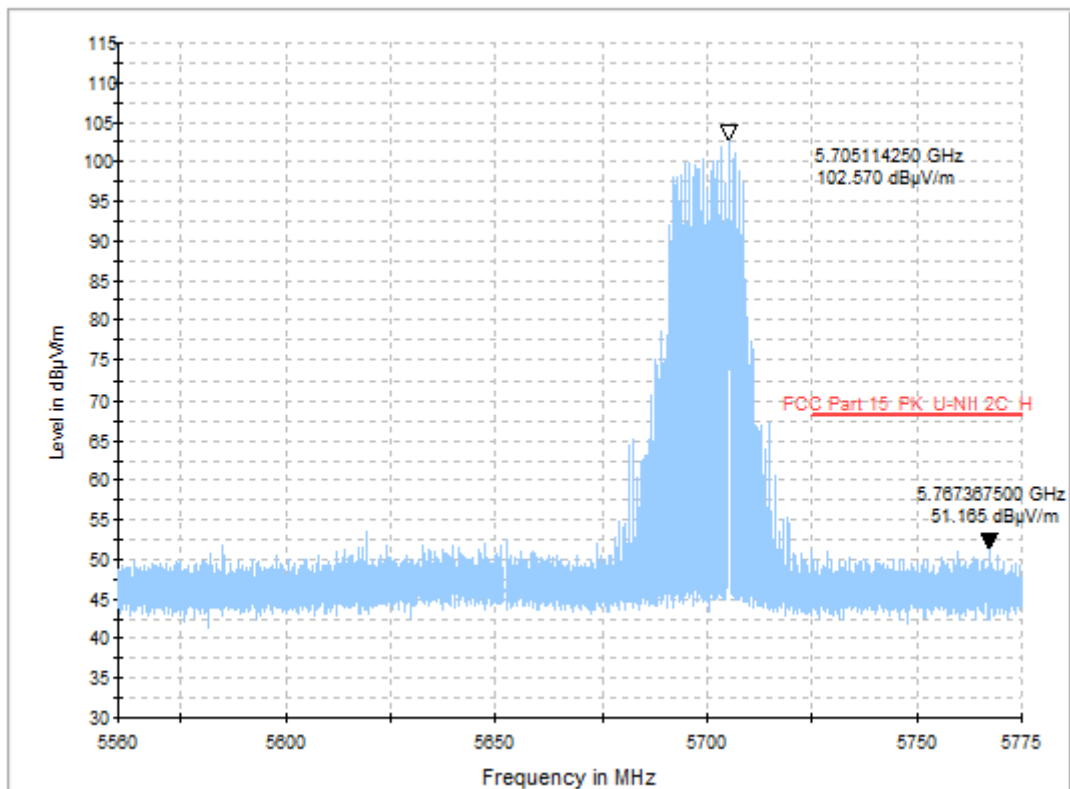


Mode:

802.11n(HT20)

Frequency:

5700MHz

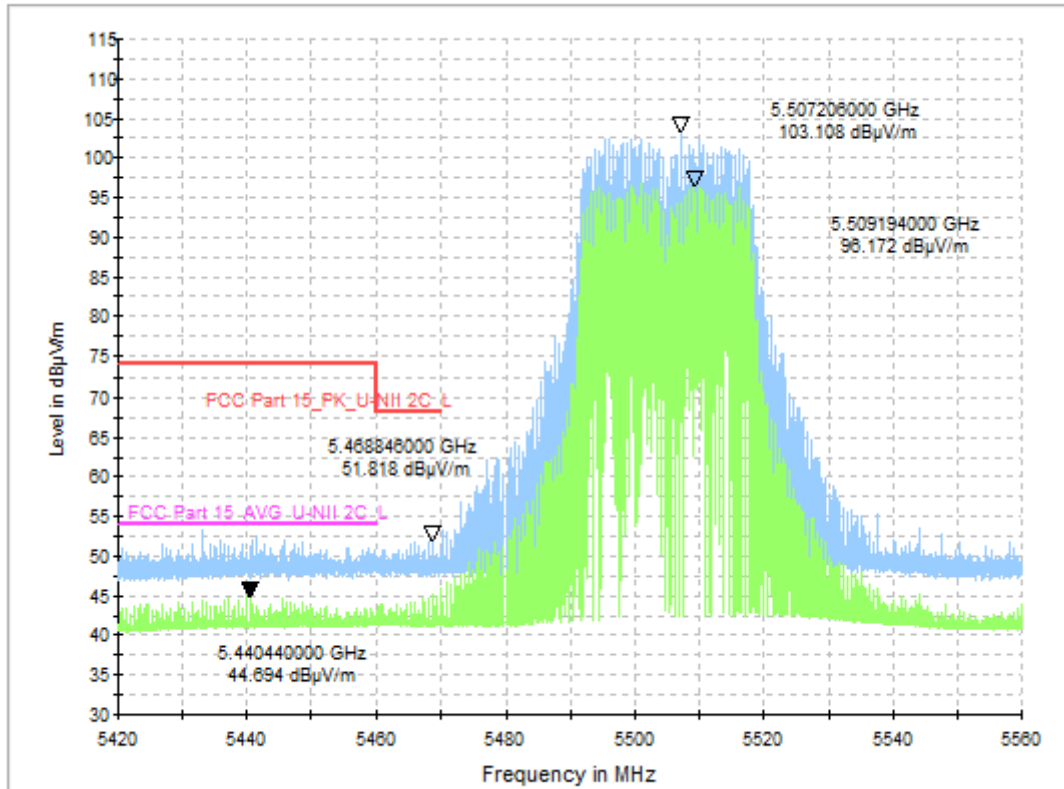


Mode:

802.11n(HT30)

Frequency:

5505MHz

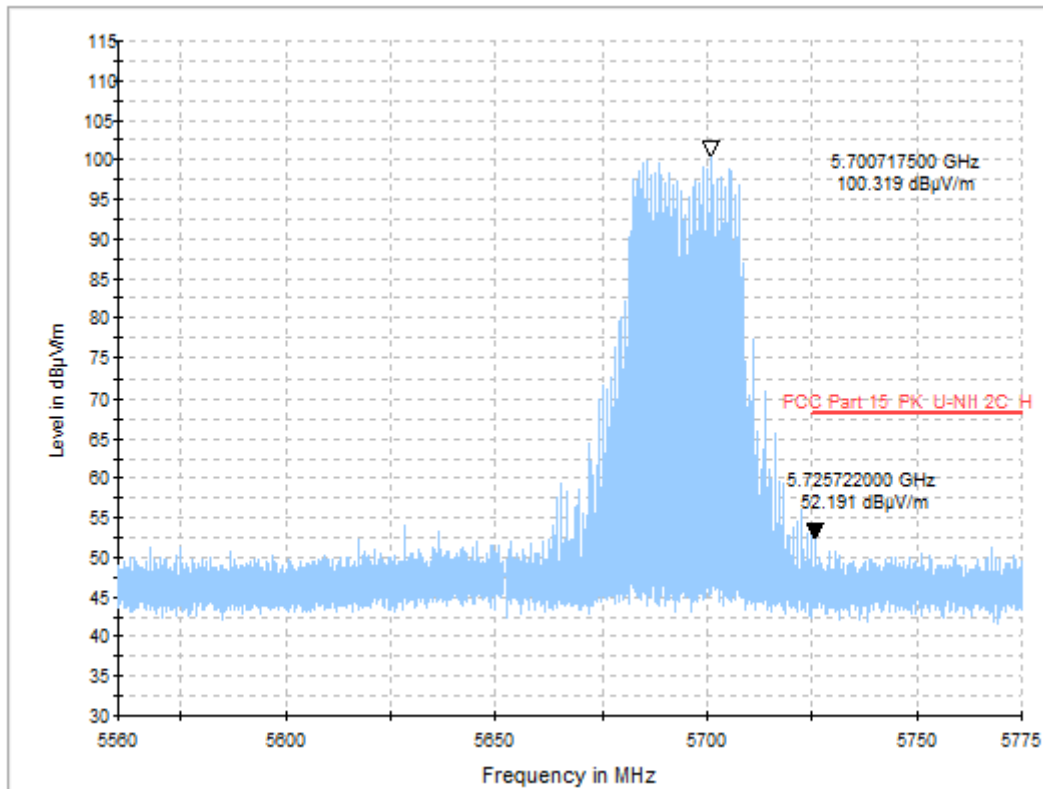


Mode:

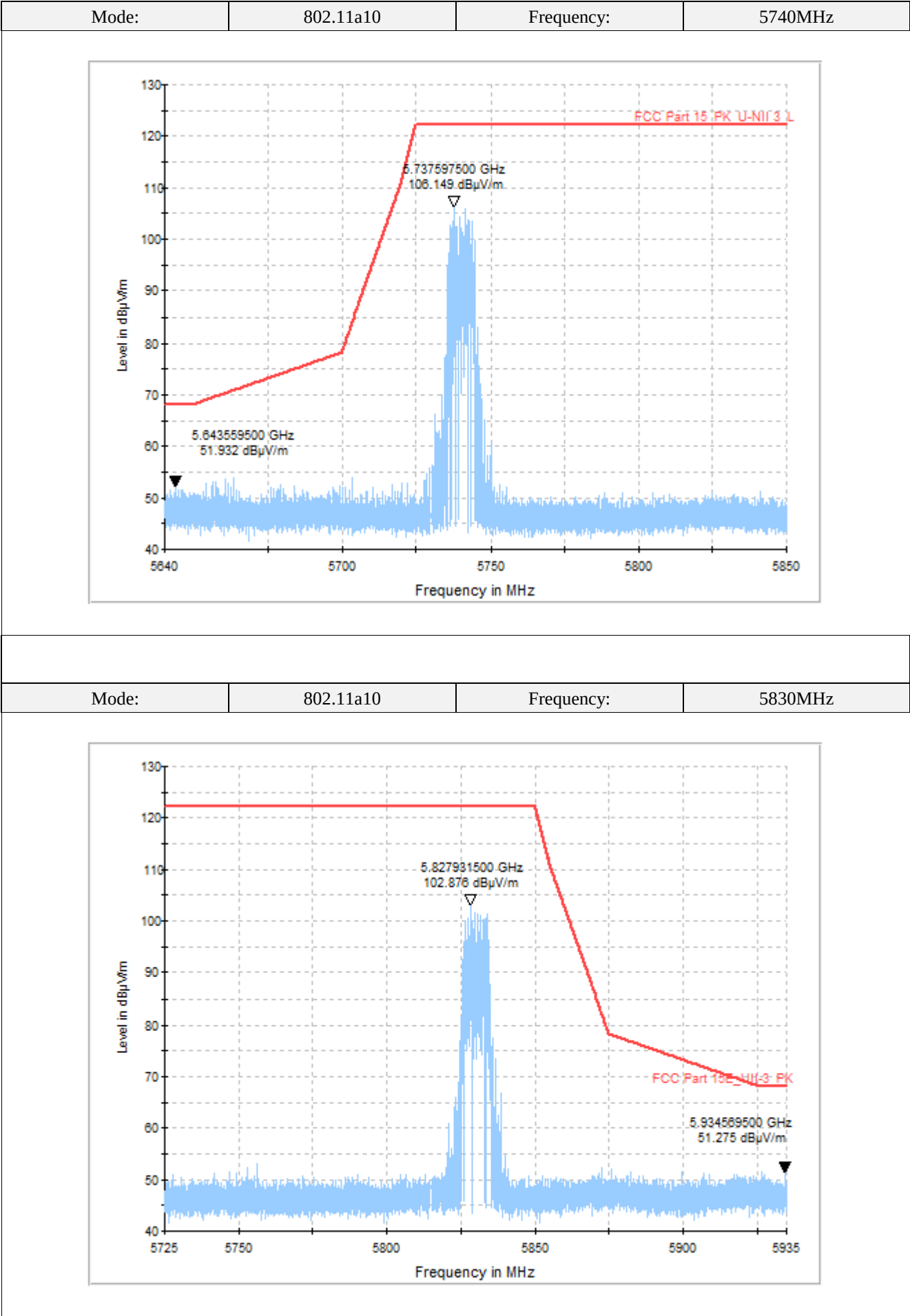
802.11n(HT30)

Frequency:

5695MHz



Band4

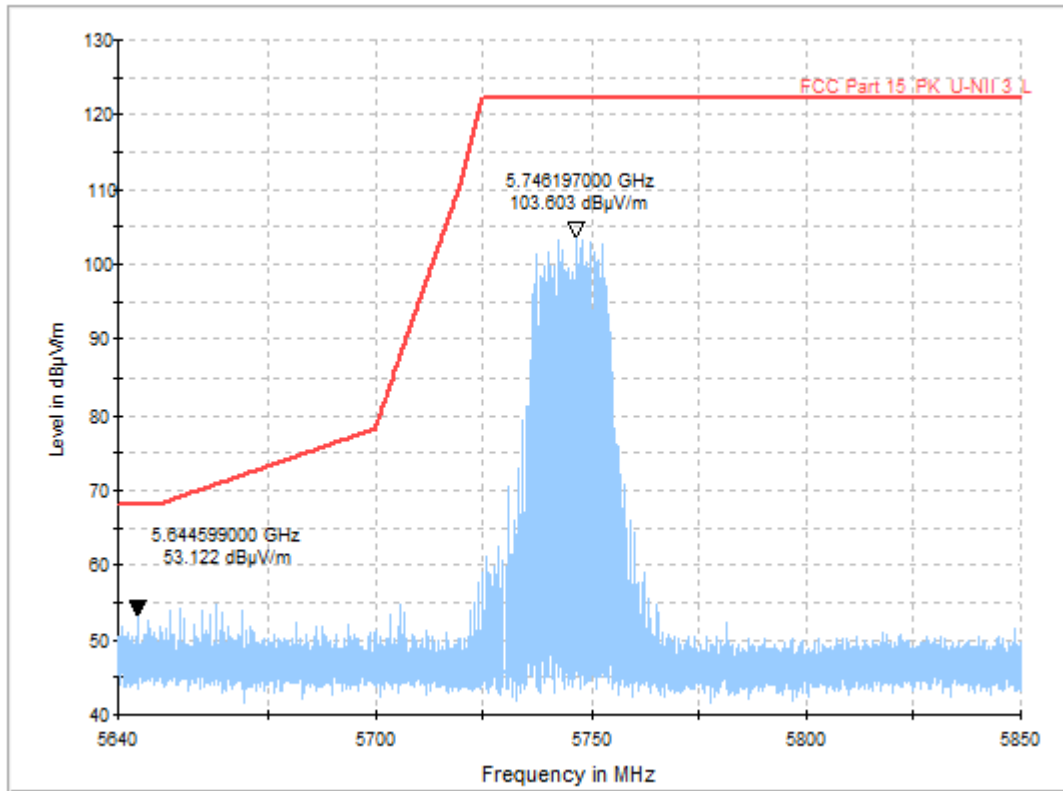


Mode:

802.11a20

Frequency:

5745MHz

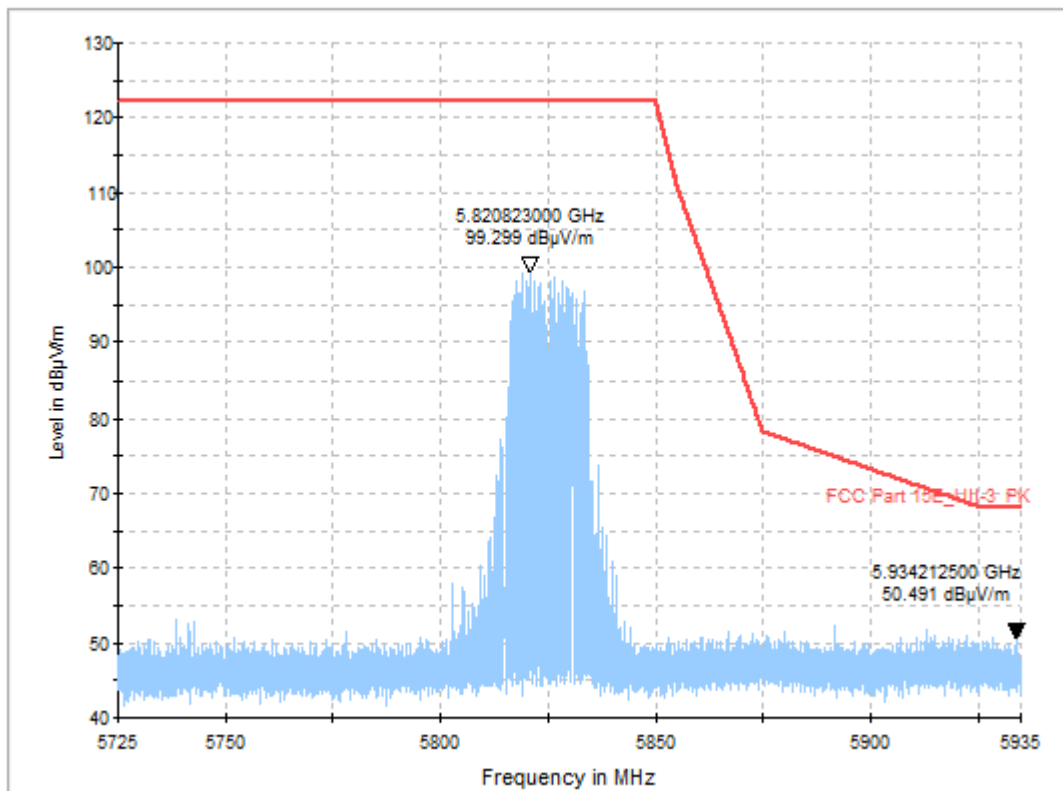


Mode:

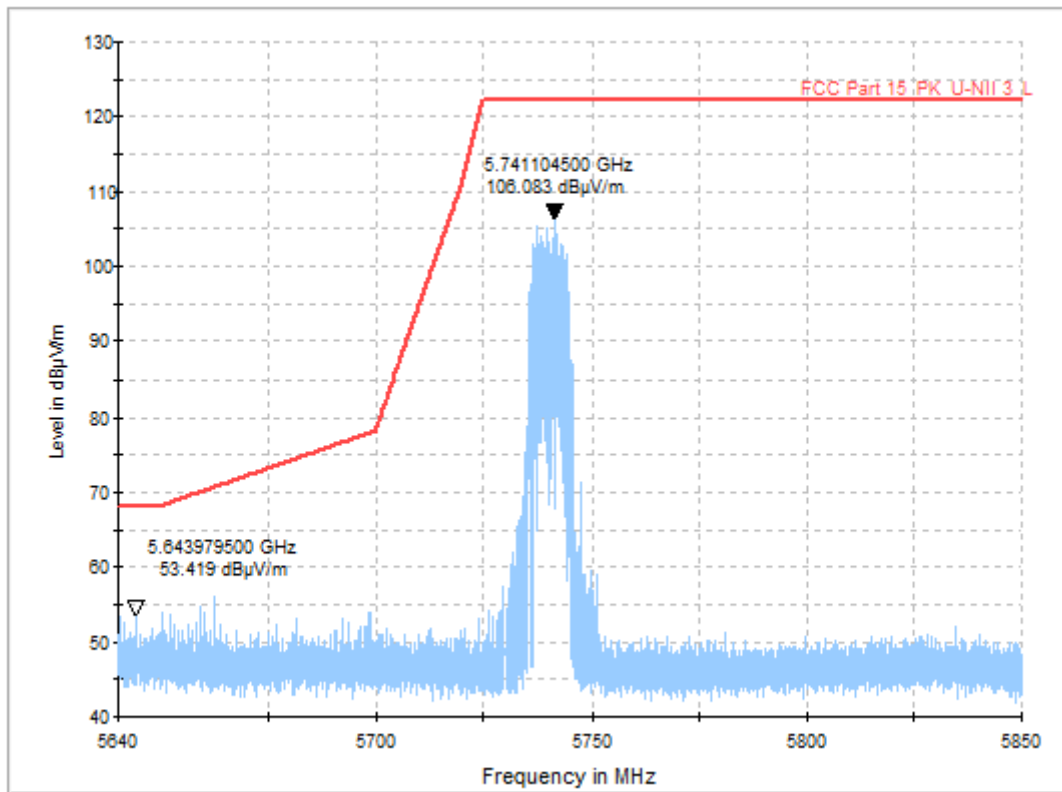
802.11a20

Frequency:

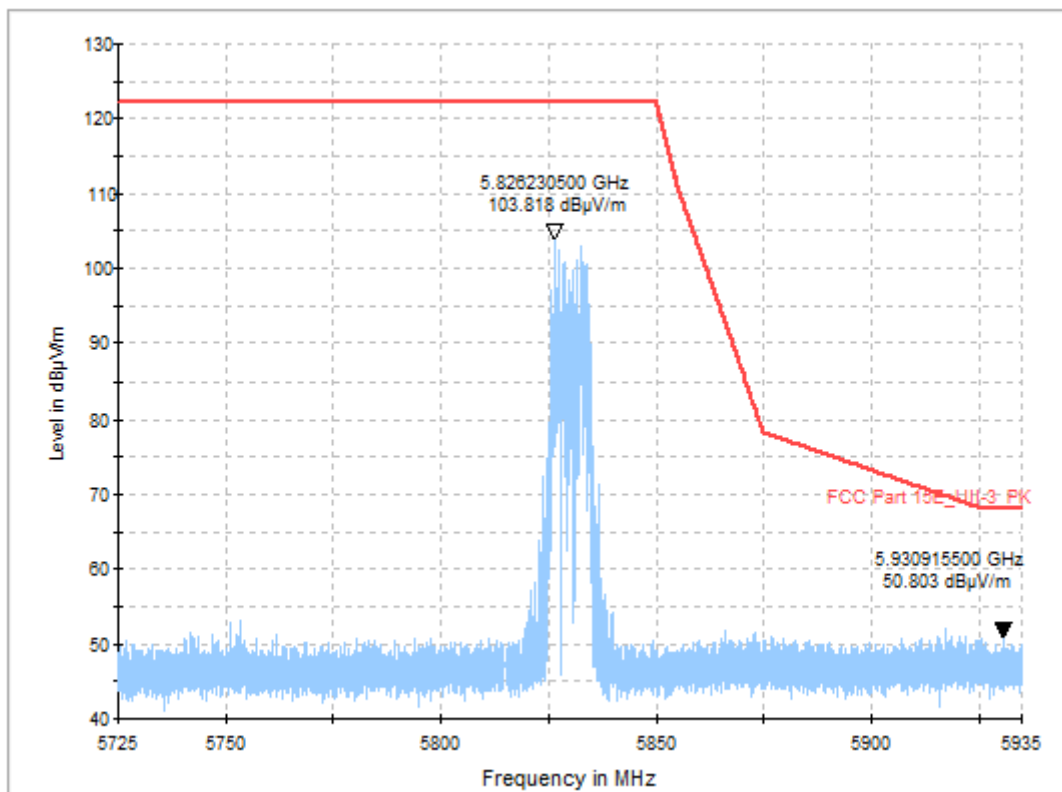
5825MHz



|       |               |            |         |
|-------|---------------|------------|---------|
| Mode: | 802.11n(HT10) | Frequency: | 5740MHz |
|-------|---------------|------------|---------|



|       |               |            |         |
|-------|---------------|------------|---------|
| Mode: | 802.11n(HT10) | Frequency: | 5830MHz |
|-------|---------------|------------|---------|

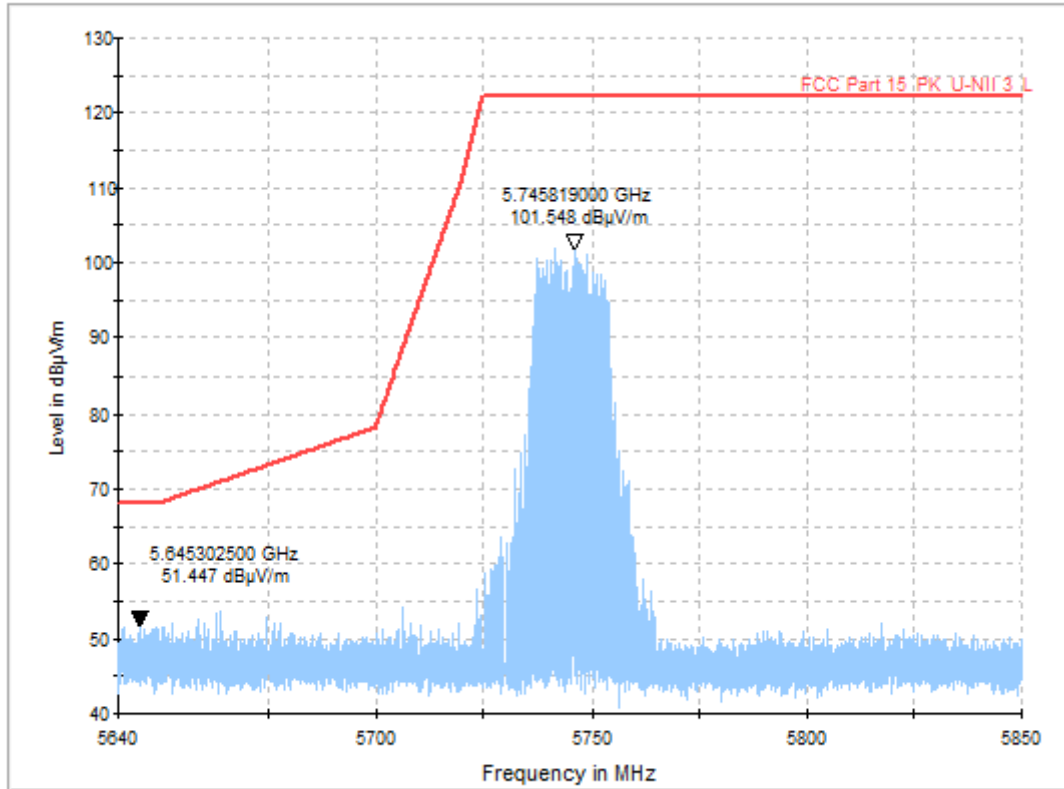


Mode:

802.11n(HT20)

Frequency:

5745MHz

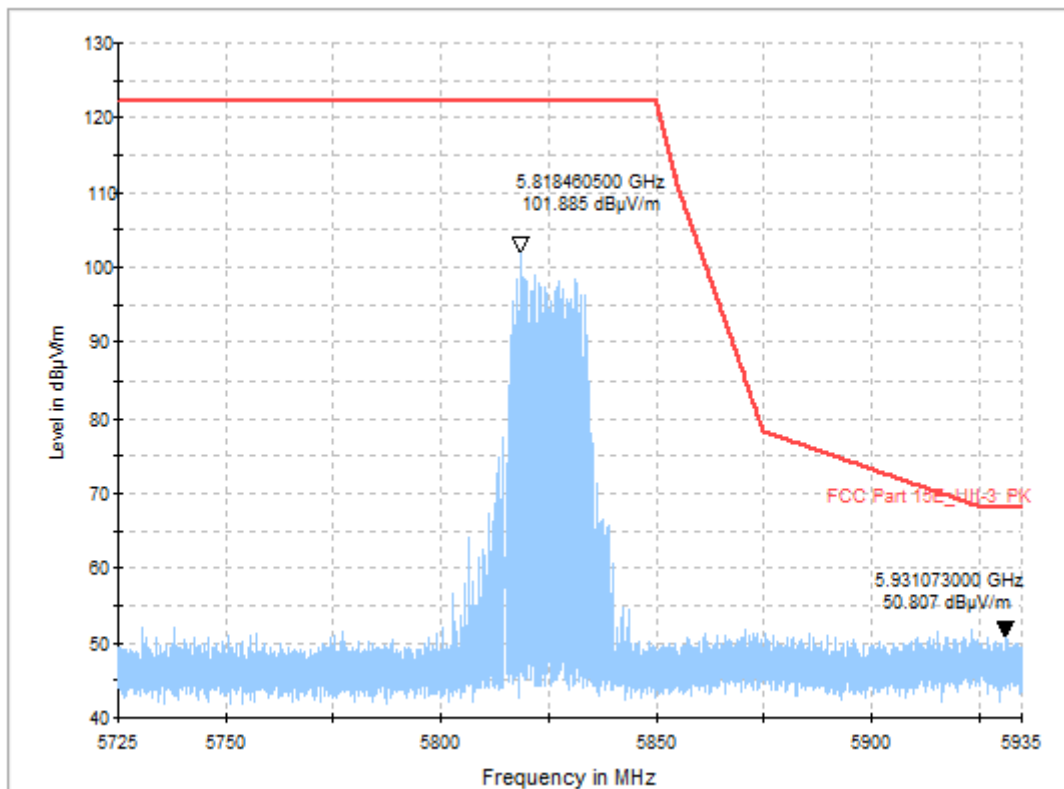


Mode:

802.11n(HT20)

Frequency:

5825MHz



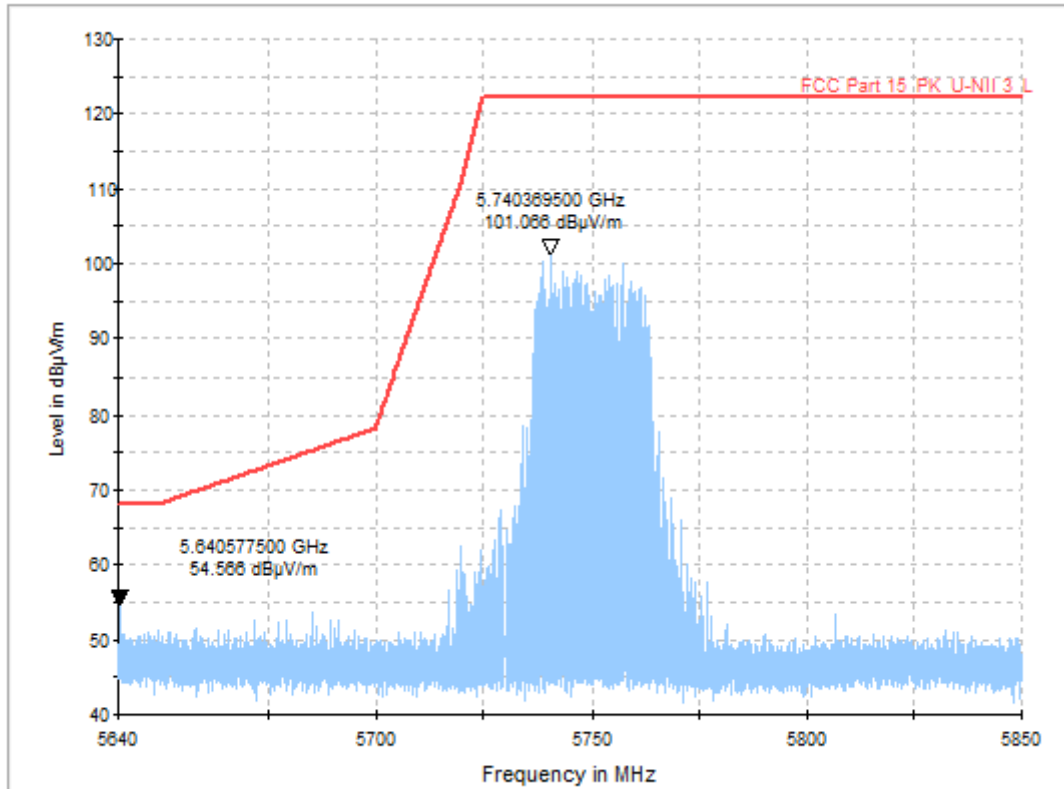


Mode:

802.11n(HT30)

Frequency:

5750MHz

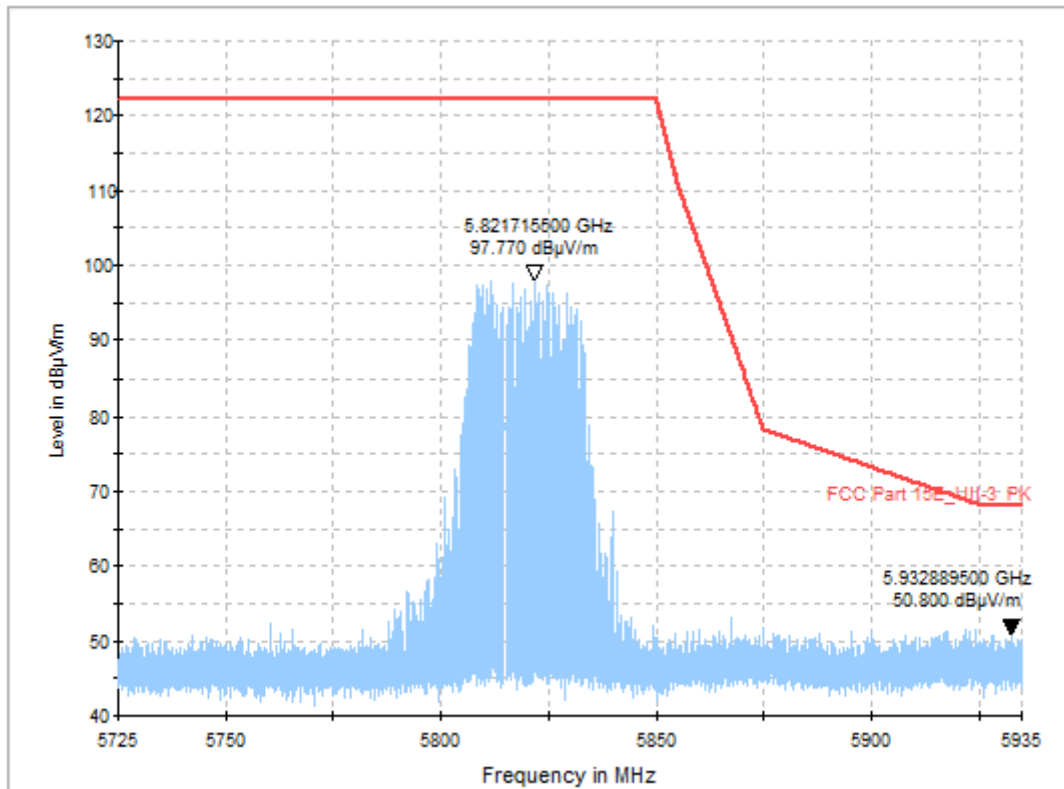


Mode:

802.11n(HT30)

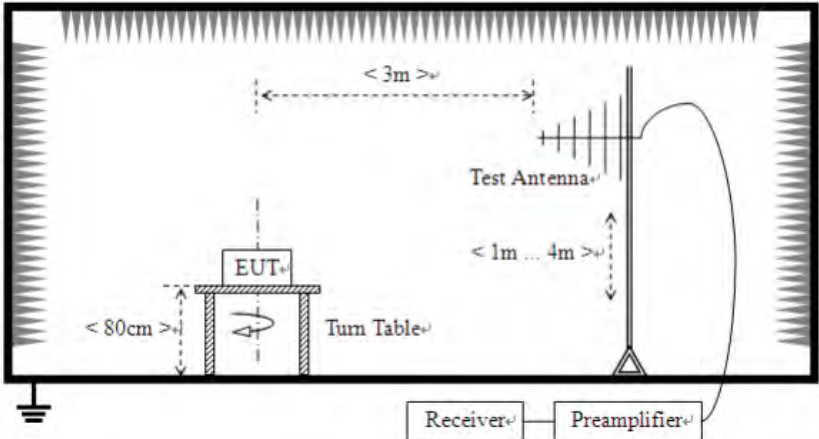
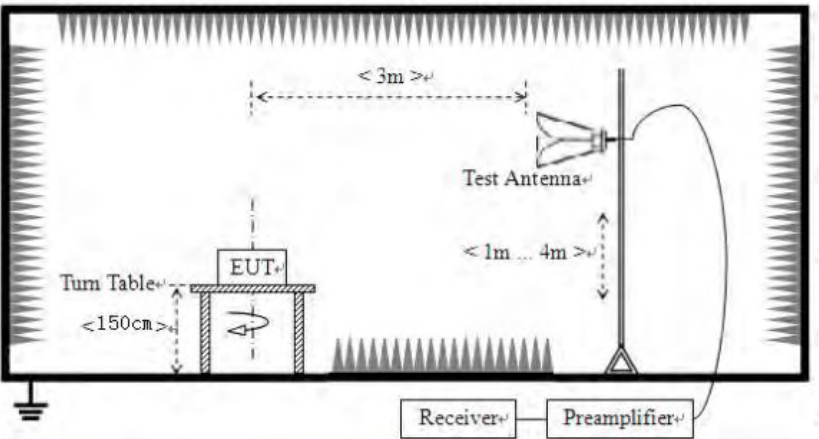
Frequency:

5820MHz



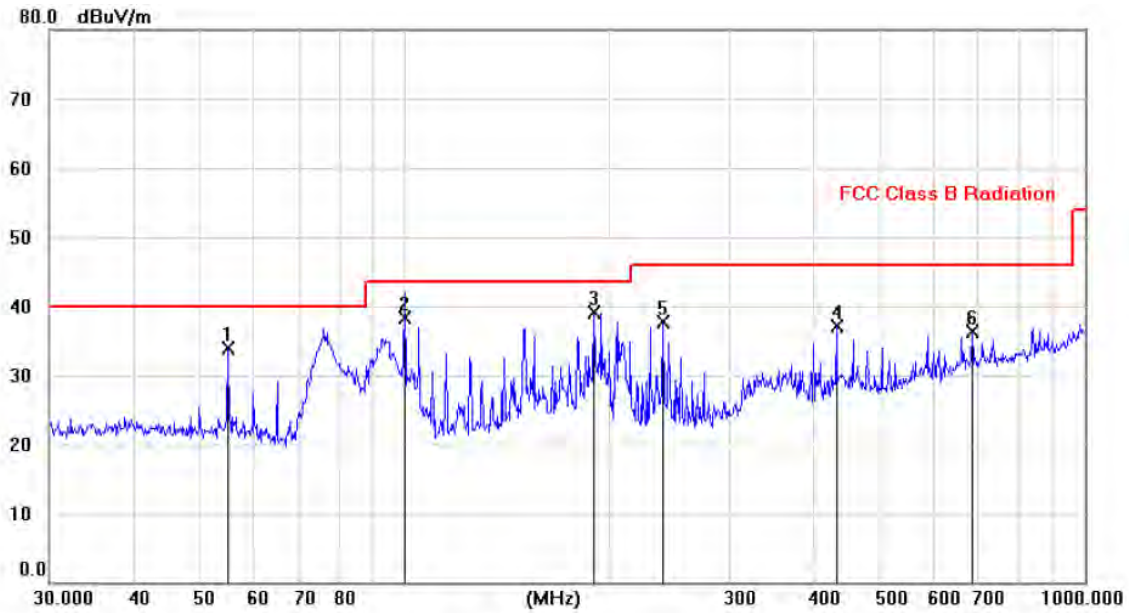
### 3.7 Radiated Emission

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |                    |        |                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|--------|------------------|
| Test Requirement:     | FCC Part15 C Section 15.209 and 15.205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                    |        |                  |
| Test Method:          | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                    |        |                  |
| Test Frequency Range: | 30MHz to 40GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |                    |        |                  |
| Test site:            | Measurement Distance: 3m (Semi-Anechoic Chamber)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                    |        |                  |
| Receiver setup:       | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Detector   | RBW                | VBW    | Value            |
|                       | 30MHz-1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quasi-peak | 100KHz             | 300KHz | Quasi-peak Value |
|                       | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Peak       | 1MHz               | 3MHz   | Peak Value       |
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | AV         | 1MHz               | 3MHz   | Average Value    |
| Limit:                | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            | Limit (dBuV/m @3m) |        | Remark           |
|                       | 30MHz-88MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            | 40.0               |        | Quasi-peak Value |
|                       | 88MHz-216MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | 43.5               |        | Quasi-peak Value |
|                       | 216MHz-960MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            | 46.0               |        | Quasi-peak Value |
|                       | 960MHz-1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            | 54.0               |        | Quasi-peak Value |
|                       | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | 74.0               |        | Peak Value       |
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | 54.0               |        | Average Value    |
| Test Procedure:       | <p>Substitution method was performed to determine the actual ERP emission levels of the EUT.</p> <p>The following test procedure as below:</p> <p>1&gt;.Below 1GHz test procedure:</p> <ol style="list-style-type: none"><li>1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li><li>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li><li>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li><li>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li><li>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li><li>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</li></ol> <p>2&gt;.Above 1GHz test procedure:</p> <ol style="list-style-type: none"><li>1. On the test site as test setup graph above,the EUT shall be placed at the 1.5m support on the turntable and in the position closest to normal use as declared by the provider.</li><li>2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter.The output of the test antenna shall be connected to the measuring receiver.</li><li>3. The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the transmitter under test.</li><li>4. The test antenna shall be raised and lowered from 1m to 4m until a maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360 °in the horizontal plane, until the maximum signal level is</li></ol> |            |                    |        |                  |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | <p>detected by the measuring receiver.</p> <ol style="list-style-type: none"> <li>Repeat step 4 for test frequency with the test antenna polarized horizontally.</li> <li>Remove the transmitter and replace it with a substitution antenna</li> <li>Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output.</li> <li>Repeat step 7 with both antennas horizontally polarized for each test frequency.</li> <li>Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula:<br/> <math display="block">\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}</math>           where:<br/>           Pg is the generator output power into the substitution antenna.</li> </ol> |
| Test setup:       | <p>Below 1GHz</p>  <p>Above 1GHz</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Test Instruments: | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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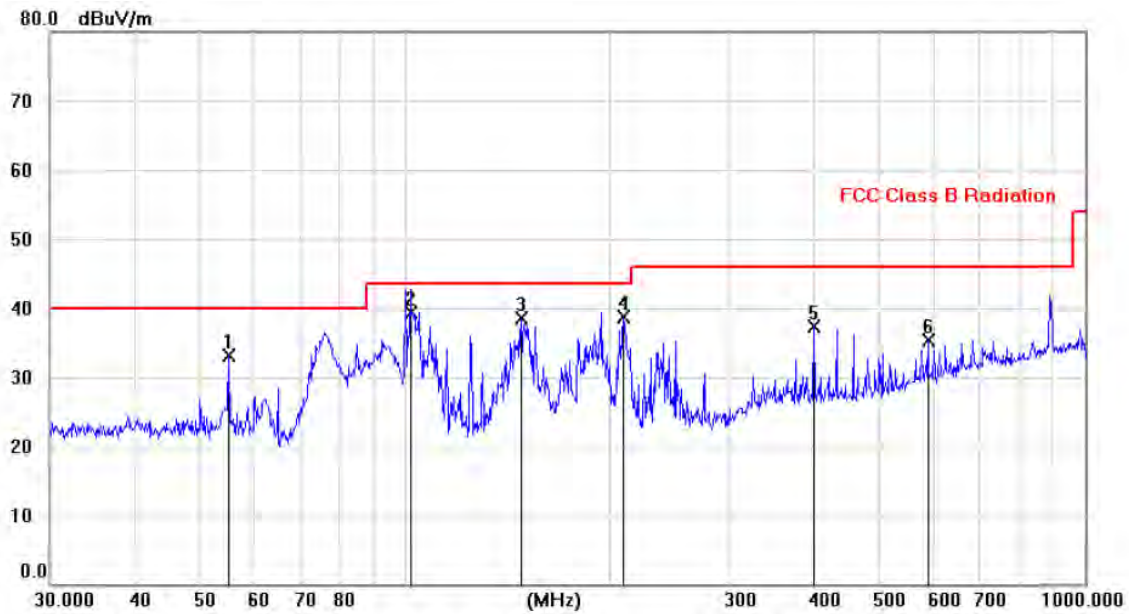
|               |                                  |
|---------------|----------------------------------|
| Test mode:    | Refer to section 5.3 for details |
| Test results: | Pass                             |

**Measurement Data:****Below 1GHz****Horizontal**

| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 54.9951  | 20.37         | 13.57          | 33.94       | 40.00  | -6.06  | peak           |              |         |
| 2   |     | 99.9945  | 27.37         | 10.85          | 38.22       | 43.50  | -5.28  | QP             |              |         |
| 3   | *   | 190.0047 | 27.62         | 11.47          | 39.09       | 43.50  | -4.41  | peak           |              |         |
| 4   |     | 432.0403 | 19.90         | 17.13          | 37.03       | 46.00  | -8.97  | peak           |              |         |
| 5   |     | 240.0149 | 25.18         | 12.55          | 37.73       | 46.00  | -8.27  | peak           |              |         |
| 6   |     | 684.0253 | 14.90         | 21.48          | 36.38       | 46.00  | -9.62  | peak           |              |         |

Note:1. \*:Maximum data; x:Over limit; !:over margin.

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

**Vertical**

| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Margin | Antenna | Table  |         |
|-----|-----|----------|---------|---------|----------|--------|--------|---------|--------|---------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Height  | Degree |         |
|     |     |          | dBuV    | dB      | dBuV/m   | dBuV/m | dB     | cm      | degree | Comment |
| 1   |     | 55.0016  | 19.63   | 13.57   | 33.20    | 40.00  | -6.80  | peak    |        |         |
| 2   | *   | 101.8820 | 28.20   | 11.03   | 39.23    | 43.50  | -4.27  | QP      |        |         |
| 3   |     | 148.0944 | 23.62   | 14.92   | 38.54    | 43.50  | -4.96  | peak    |        |         |
| 4   |     | 210.0235 | 27.55   | 11.07   | 38.62    | 43.50  | -4.88  | peak    |        |         |
| 5   |     | 400.0108 | 21.05   | 16.24   | 37.29    | 46.00  | -8.71  | peak    |        |         |
| 6   |     | 588.0107 | 15.38   | 19.98   | 35.36    | 46.00  | -10.64 | peak    |        |         |

Note:1. \*:Maximum data; x:Over limit; !:over margin.

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

**Above 1GHz:****802.11a10 5175MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10350           | PK       | 48.32             | 1.67                | 49.99          | 74                  | -24.01      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15525           | PK       | 46.54             | 3.78                | 50.32          | 74                  | -23.68      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10350           | PK       | 47.50             | 1.67                | 49.17          | 74                  | -24.83      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15525           | PK       | 47.20             | 3.78                | 50.98          | 74                  | -23.02      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11a10 5200MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10400           | PK       | 48.02             | 1.77                | 49.79          | 74                  | -24.21      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15600           | PK       | 47.02             | 3.85                | 50.87          | 74                  | -23.13      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10400           | PK       | 48.06             | 1.77                | 49.83          | 74                  | -24.17      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15600           | PK       | 46.22             | 3.85                | 50.07          | 74                  | -23.93      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11a10 5245MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10490           | PK       | 47.75             | 1.88                | 49.63          | 74                  | -24.37      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15735           | PK       | 46.45             | 4.03                | 50.48          | 74                  | -23.52      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10490           | PK       | 47.33             | 1.88                | 49.21          | 74                  | -24.79      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15735           | PK       | 46.94             | 4.03                | 50.97          | 74                  | -23.03      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11a20 5180MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10360           | PK       | 47.47             | 1.67                | 49.14          | 74                  | -24.86      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15540           | PK       | 46.49             | 3.8                 | 50.29          | 74                  | -23.71      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10360           | PK       | 47.54             | 1.67                | 49.21          | 74                  | -24.79      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15540           | PK       | 46.31             | 3.8                 | 50.11          | 74                  | -23.89      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11a20 5200MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10400           | PK       | 48.14             | 1.68                | 49.82          | 74                  | -24.18      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15600           | PK       | 46.96             | 3.85                | 50.81          | 74                  | -23.19      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10400           | PK       | 47.42             | 1.68                | 49.10          | 74                  | -24.90      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15600           | PK       | 46.52             | 3.85                | 50.37          | 74                  | -23.63      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11a20 5240MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10480           | PK       | 47.56             | 1.87                | 49.43          | 74                  | -24.57      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15720           | PK       | 46.29             | 4.02                | 50.31          | 74                  | -23.69      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10480           | PK       | 47.39             | 1.87                | 49.26          | 74                  | -24.74      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15720           | PK       | 46.42             | 4.02                | 50.44          | 74                  | -23.56      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |



**802.11n(HT10) 5175MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10350           | PK       | 48.06             | 1.67                | 49.73          | 74                  | -24.27      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15525           | PK       | 47.02             | 3.78                | 50.80          | 74                  | -23.20      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10350           | PK       | 48.29             | 1.67                | 49.96          | 74                  | -24.04      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15525           | PK       | 46.76             | 3.78                | 50.54          | 74                  | -23.46      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11n(HT10) 5200MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10400           | PK       | 48.21             | 1.68                | 49.89          | 74                  | -24.11      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15600           | PK       | 46.63             | 3.85                | 50.48          | 74                  | -23.52      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10400           | PK       | 48.23             | 1.68                | 49.91          | 74                  | -24.09      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15600           | PK       | 46.24             | 3.85                | 50.09          | 74                  | -23.91      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11n(HT10) 5245MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10490           | PK       | 47.75             | 1.88                | 49.63          | 74                  | -24.37      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15735           | PK       | 46.76             | 4.03                | 50.79          | 74                  | -23.21      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10490           | PK       | 47.99             | 1.88                | 49.87          | 74                  | -24.13      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15735           | PK       | 46.94             | 4.03                | 50.97          | 74                  | -23.03      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11n(HT20) 5180MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10360           | PK       | 47.92             | 1.67                | 49.59          | 74                  | -24.41      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15540           | PK       | 46.45             | 3.8                 | 50.25          | 74                  | -23.75      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10360           | PK       | 48.18             | 1.67                | 49.85          | 74                  | -24.15      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15540           | PK       | 46.31             | 3.8                 | 50.11          | 74                  | -23.89      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11n(HT20) 5200MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10400           | PK       | 47.77             | 1.68                | 49.45          | 74                  | -24.55      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15600           | PK       | 46.43             | 3.85                | 50.28          | 74                  | -23.72      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10400           | PK       | 47.41             | 1.68                | 49.09          | 74                  | -24.91      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15600           | PK       | 46.79             | 3.85                | 50.64          | 74                  | -23.36      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11n(HT20) 5240MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10480           | PK       | 47.38             | 1.87                | 49.25          | 74                  | -24.75      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15720           | PK       | 46.46             | 4.02                | 50.48          | 74                  | -23.52      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10480           | PK       | 47.90             | 1.87                | 49.77          | 74                  | -24.23      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15720           | PK       | 46.91             | 4.02                | 50.93          | 74                  | -23.07      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11n(HT30) 5185MHz**

| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10370           | PK       | 47.48             | 1.67                | 49.15          | 74                  | -24.85      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15555           | PK       | 46.44             | 3.8                 | 50.24          | 74                  | -23.76      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10370           | PK       | 47.37             | 1.67                | 49.04          | 74                  | -24.96      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15555           | PK       | 47.10             | 3.8                 | 50.90          | 74                  | -23.10      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

**802.11n(HT30) 5235MHz**

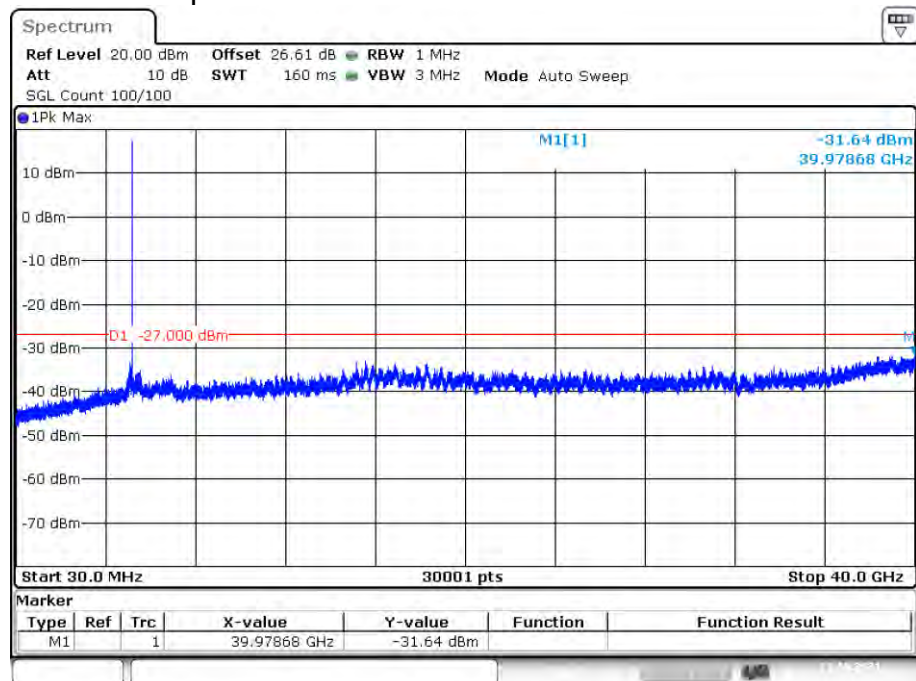
| Frequency (MHz) | Detector | Read Level (dBuV) | Correct Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin (dB) | polarization |
|-----------------|----------|-------------------|---------------------|----------------|---------------------|-------------|--------------|
| 10470           | PK       | 47.71             | 1.86                | 49.57          | 74                  | -24.43      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 15705           | PK       | 46.86             | 4.01                | 50.87          | 74                  | -23.13      | Vertical     |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Vertical     |
| 10470           | PK       | 47.66             | 1.876               | 49.53          | 74                  | -24.47      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |
| 15705           | PK       | 46.25             | 4.01                | 50.26          | 74                  | -23.74      | Horizontal   |
| /               | AVG      | /                 | /                   | /              | 54                  | /           | Horizontal   |

Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. This Report only show the test plots of the worst case (U-NII-1).

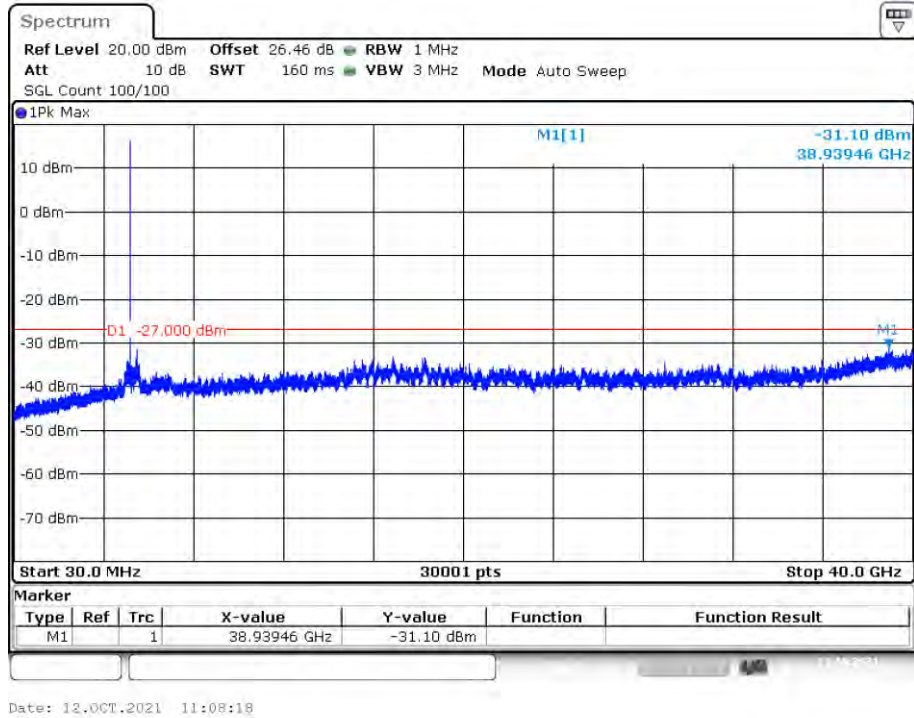
**Band 1****Conducted RF Spurious Emission**

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a10  | 5175            | Ant1    | -31.64          | -27         | Pass    |
| NVNT      | a10  | 5200            | Ant1    | -31.1           | -27         | Pass    |
| NVNT      | a10  | 5245            | Ant1    | -31.34          | -27         | Pass    |
| NVNT      | a20  | 5180            | Ant1    | -31.44          | -27         | Pass    |
| NVNT      | a20  | 5200            | Ant1    | -31.19          | -27         | Pass    |
| NVNT      | a20  | 5240            | Ant1    | -31.47          | -27         | Pass    |
| NVNT      | n10  | 5175            | Ant1    | -31.51          | -27         | Pass    |
| NVNT      | n10  | 5200            | Ant1    | -31.21          | -27         | Pass    |
| NVNT      | n10  | 5245            | Ant1    | -31.51          | -27         | Pass    |
| NVNT      | n20  | 5180            | Ant1    | -31.49          | -27         | Pass    |
| NVNT      | n20  | 5200            | Ant1    | -31.7           | -27         | Pass    |
| NVNT      | n20  | 5240            | Ant1    | -30.51          | -27         | Pass    |
| NVNT      | n30  | 5185            | Ant1    | -30.81          | -27         | Pass    |
| NVNT      | n30  | 5235            | Ant1    | -31.21          | -27         | Pass    |

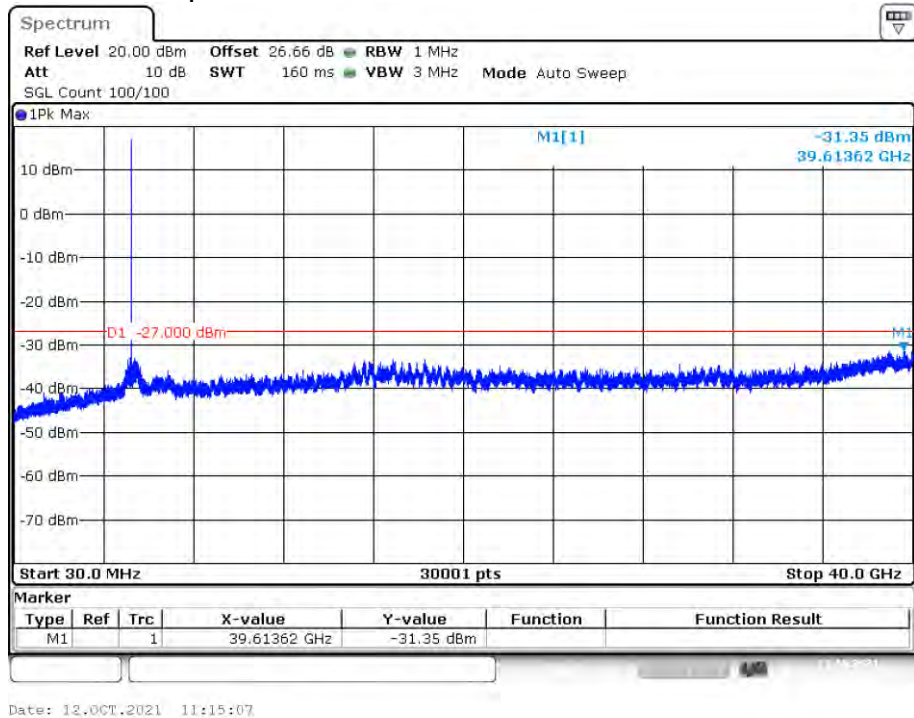
**Tx. Spurious NVNT a10 5175MHz Ant1 Emission**

Date: 12.OCT.2021 11:03:06

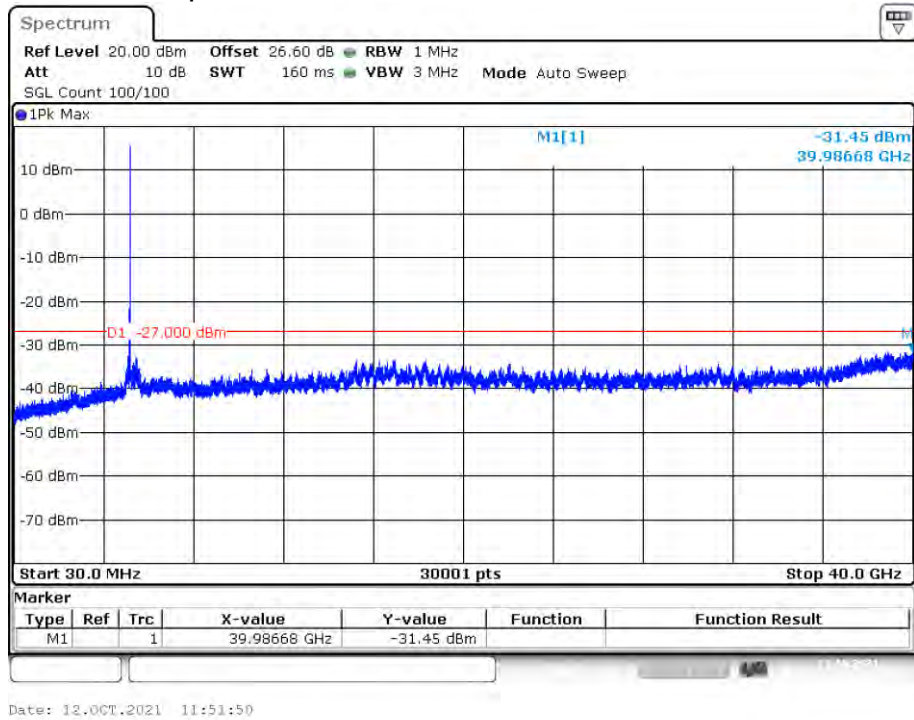
## Tx. Spurious NVNT a10 5200MHz Ant1 Emission



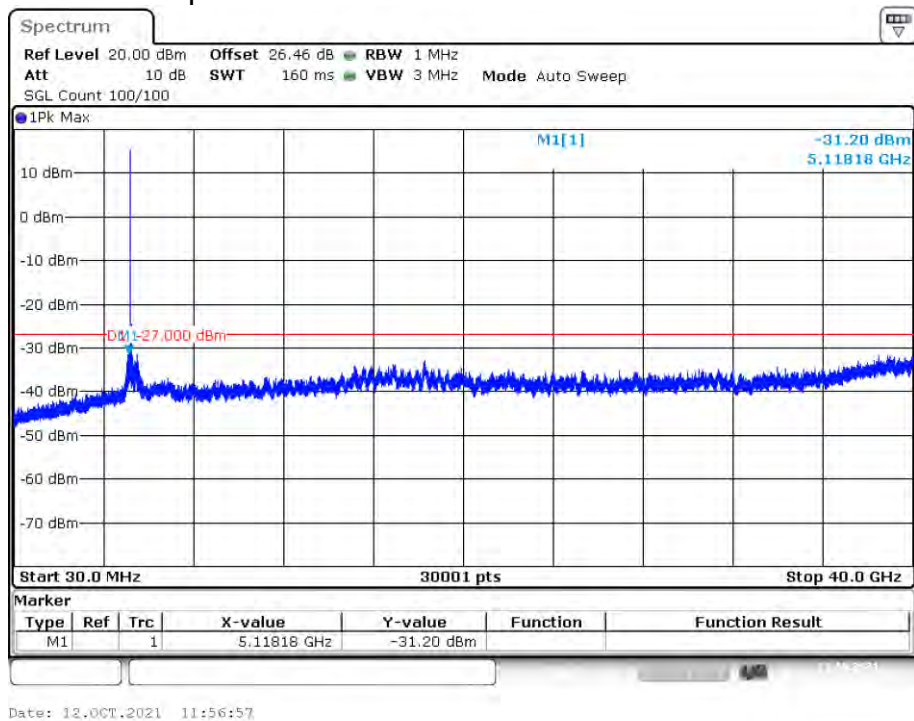
## Tx. Spurious NVNT a10 5245MHz Ant1 Emission



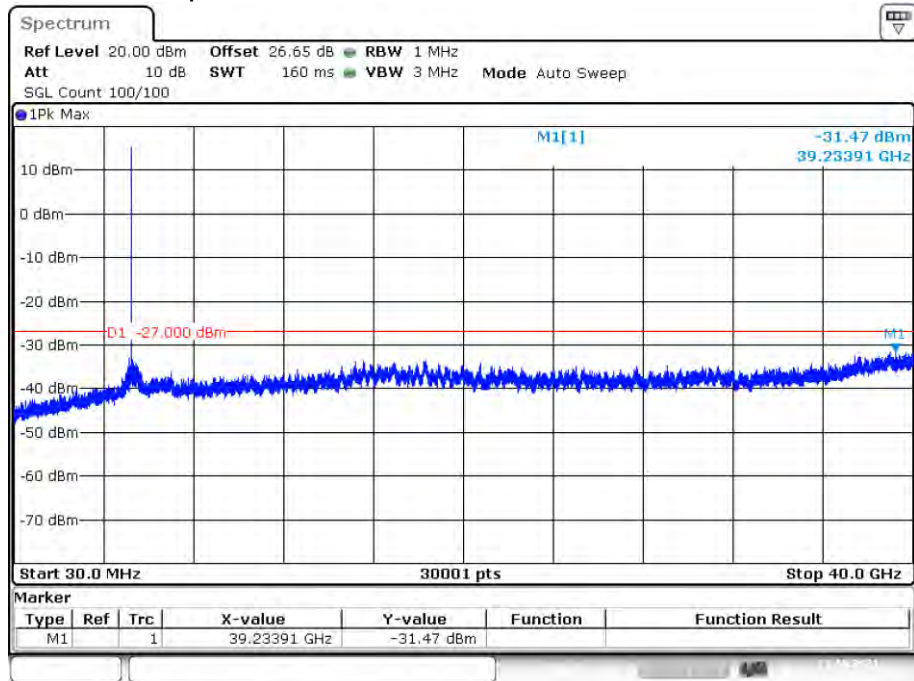
## Tx. Spurious NVNT a20 5180MHz Ant1 Emission



## Tx. Spurious NVNT a20 5200MHz Ant1 Emission

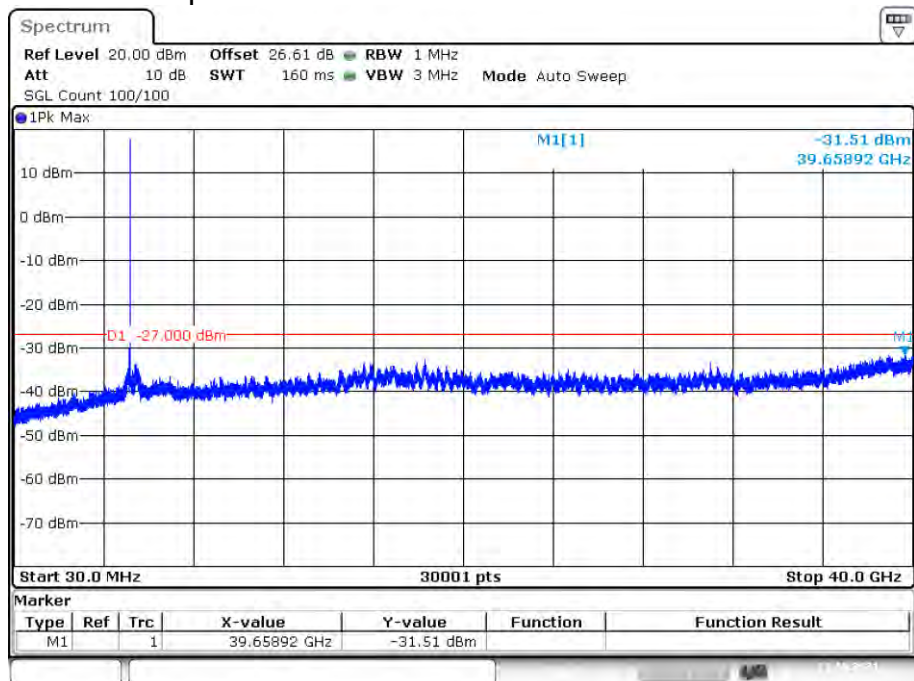


## Tx. Spurious NVNT a20 5240MHz Ant1 Emission



Date: 12.OCT.2021 12:07:23

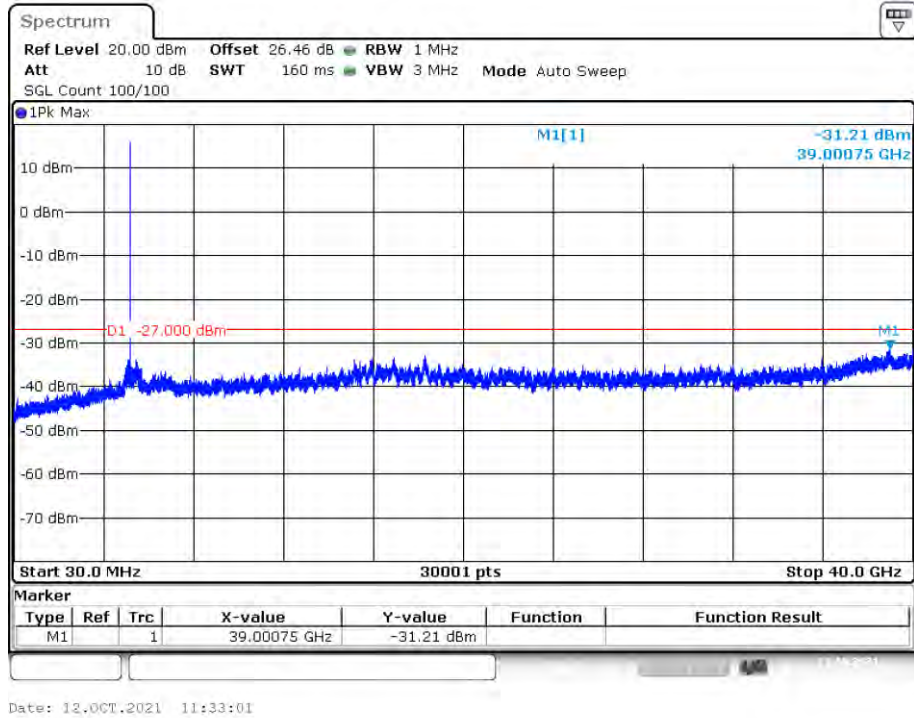
## Tx. Spurious NVNT n10 5175MHz Ant1 Emission



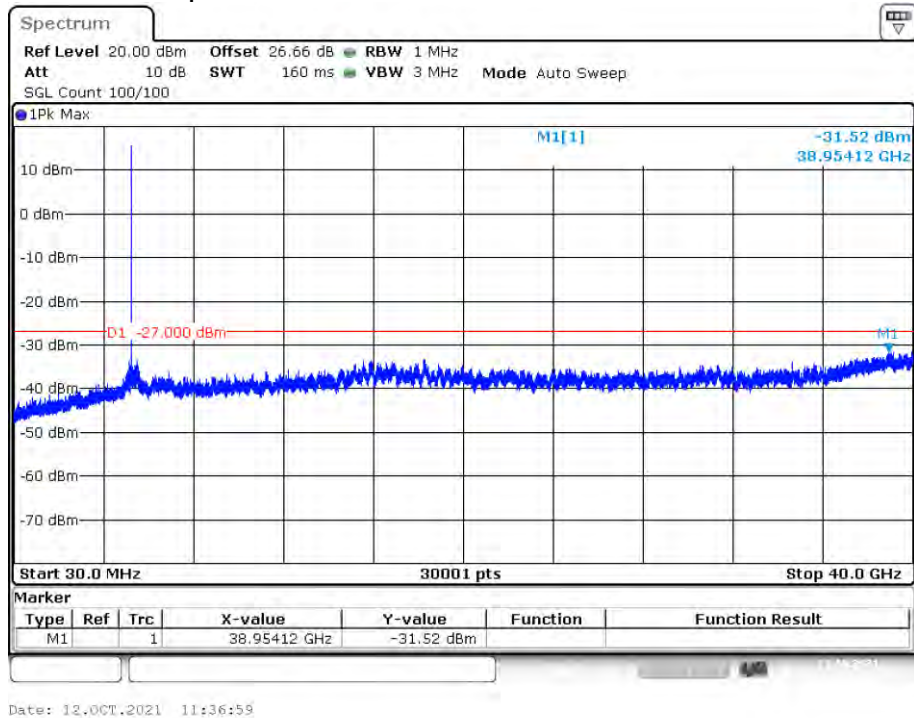
Date: 12.OCT.2021 11:27:34



## Tx. Spurious NVNT n10 5200MHz Ant1 Emission

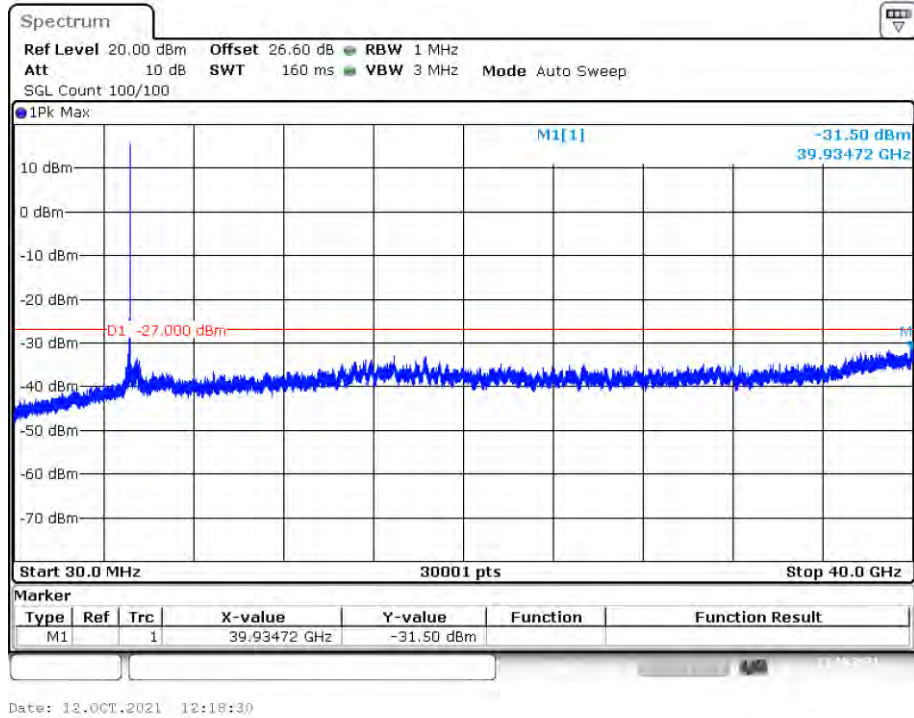


## Tx. Spurious NVNT n10 5245MHz Ant1 Emission

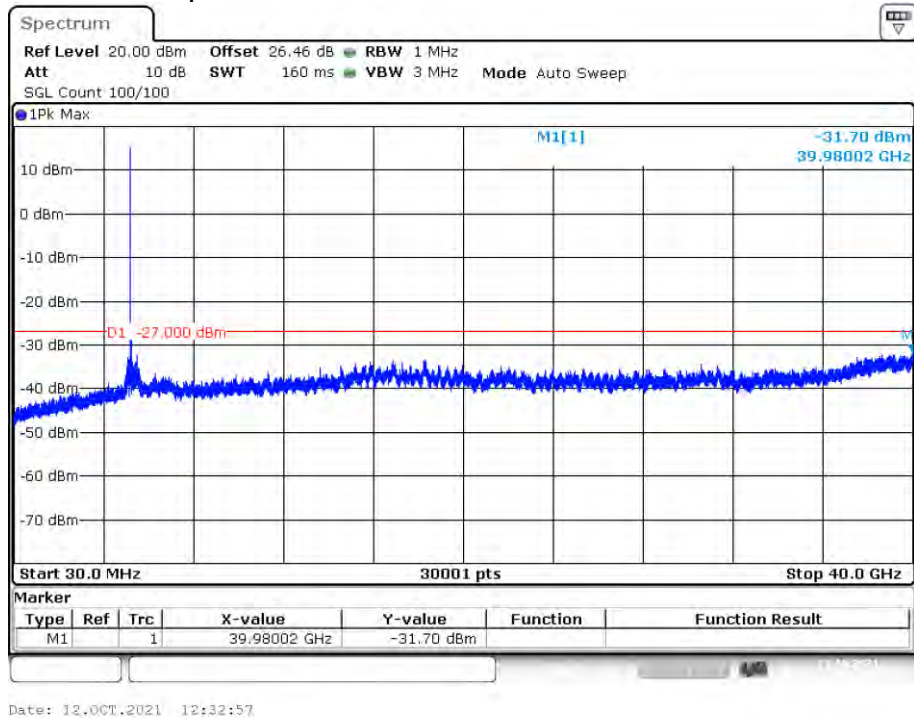




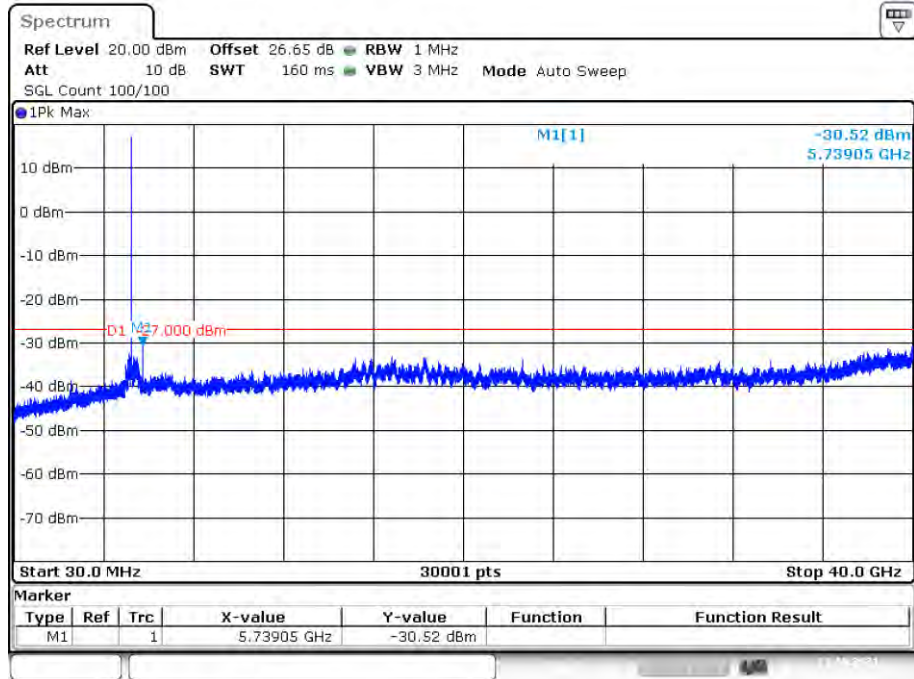
## Tx. Spurious NVNT n20 5180MHz Ant1 Emission



## Tx. Spurious NVNT n20 5200MHz Ant1 Emission

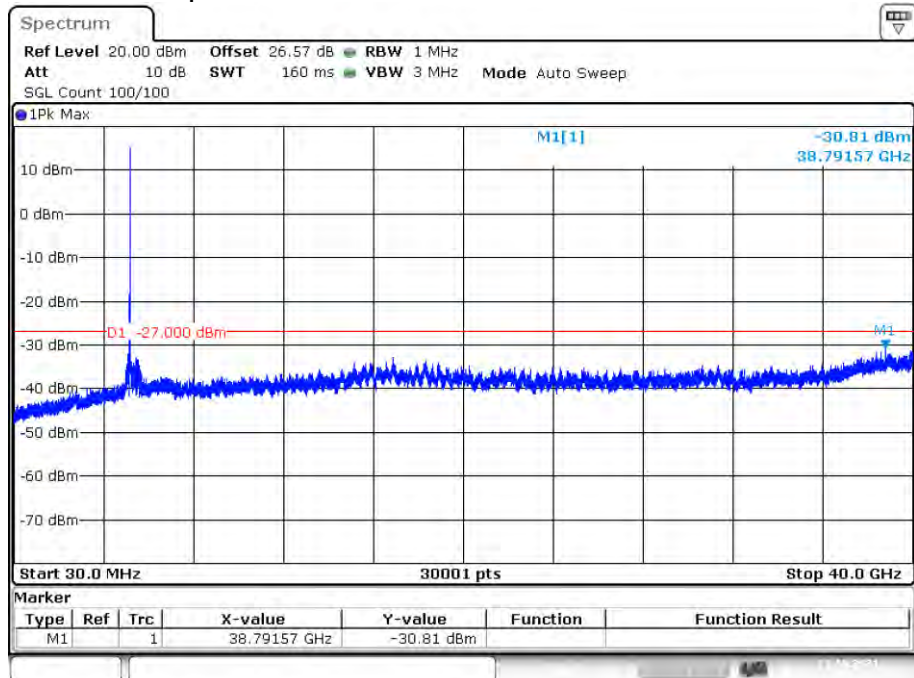


## Tx. Spurious NVNT n20 5240MHz Ant1 Emission



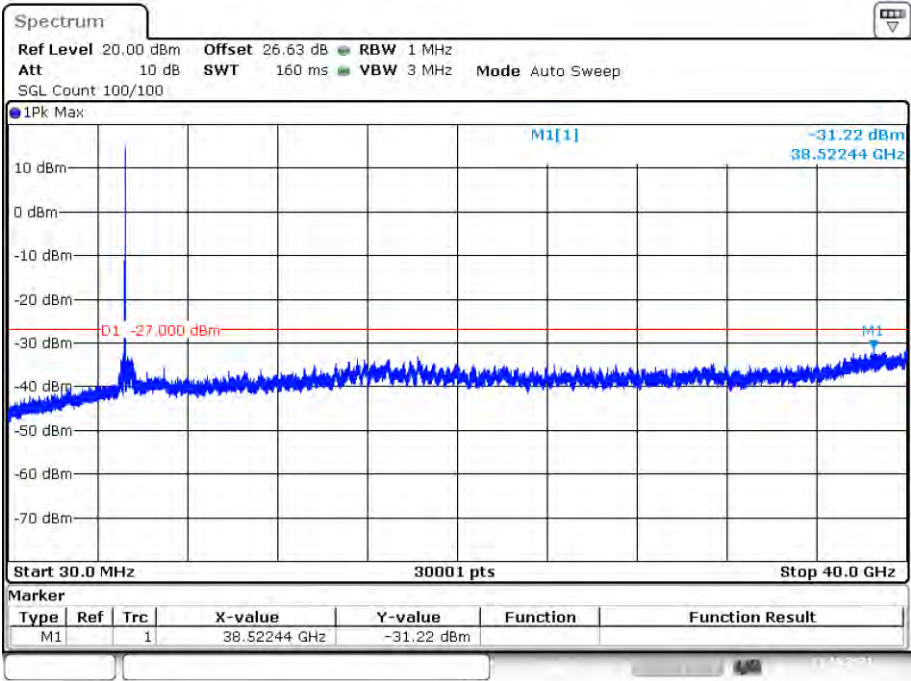
Date: 12.OCT.2021 12:39:15

## Tx. Spurious NVNT n30 5185MHz Ant1 Emission



Date: 12.OCT.2021 12:53:53

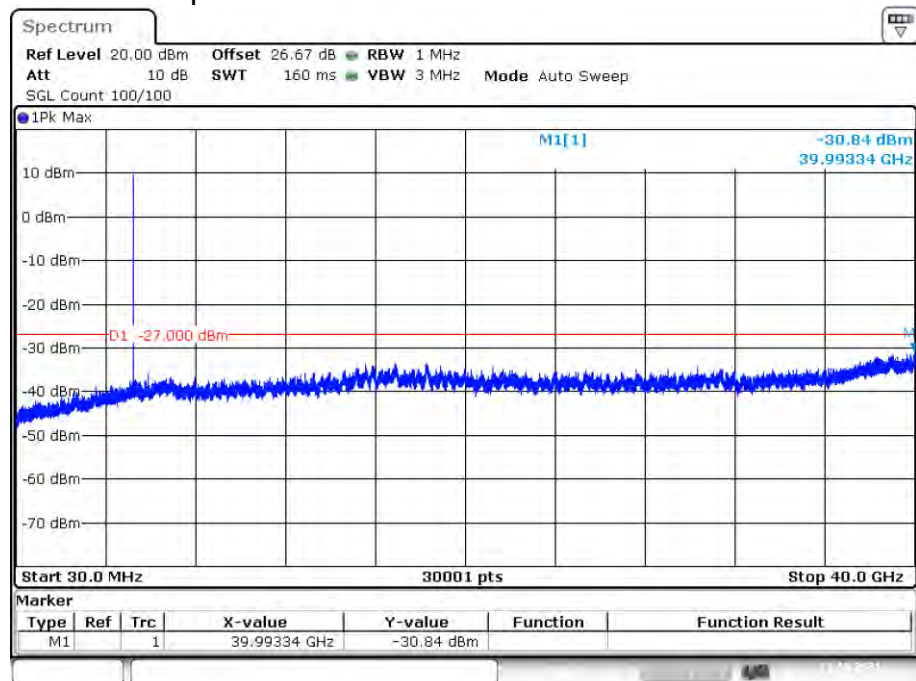
Tx. Spurious NVNT n30 5235MHz Ant1 Emission



Date: 12.OCT.2021 13:09:06

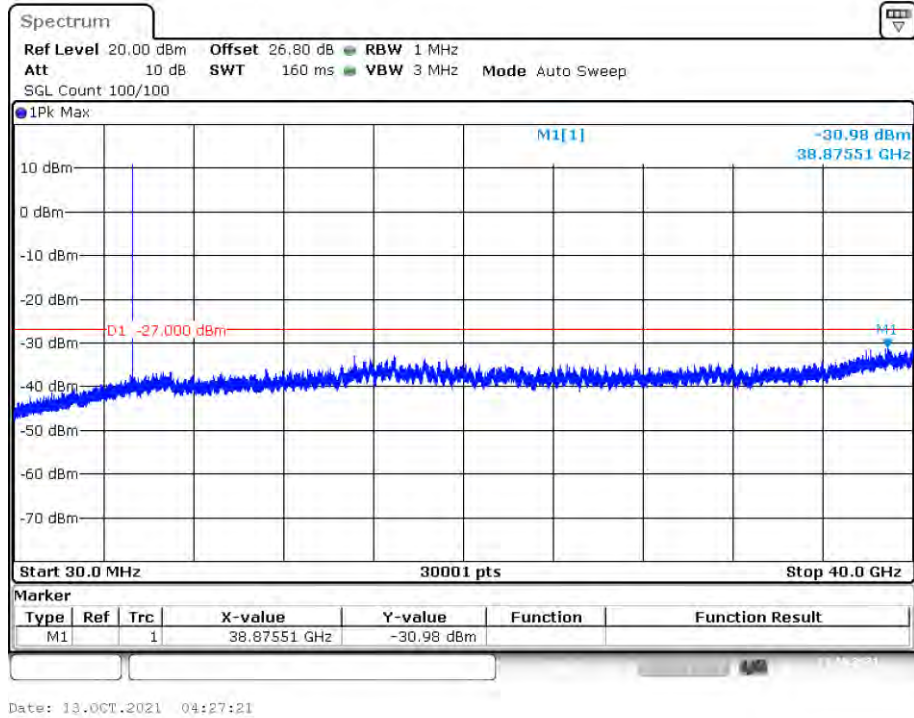
**Band 2****Conducted RF Spurious Emission**

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a10  | 5255            | Ant1    | -30.83          | -27         | Pass    |
| NVNT      | a10  | 5280            | Ant1    | -30.97          | -27         | Pass    |
| NVNT      | a10  | 5325            | Ant1    | -31.72          | -27         | Pass    |
| NVNT      | a20  | 5260            | Ant1    | -31.55          | -27         | Pass    |
| NVNT      | a20  | 5280            | Ant1    | -31.18          | -27         | Pass    |
| NVNT      | a20  | 5320            | Ant1    | -31.32          | -27         | Pass    |
| NVNT      | n10  | 5255            | Ant1    | -31.01          | -27         | Pass    |
| NVNT      | n10  | 5280            | Ant1    | -30.74          | -27         | Pass    |
| NVNT      | n10  | 5325            | Ant1    | -30.99          | -27         | Pass    |
| NVNT      | n20  | 5260            | Ant1    | -31.46          | -27         | Pass    |
| NVNT      | n20  | 5280            | Ant1    | -31.31          | -27         | Pass    |
| NVNT      | n20  | 5320            | Ant1    | -31.42          | -27         | Pass    |
| NVNT      | n30  | 5265            | Ant1    | -31.74          | -27         | Pass    |
| NVNT      | n30  | 5315            | Ant1    | -31.47          | -27         | Pass    |

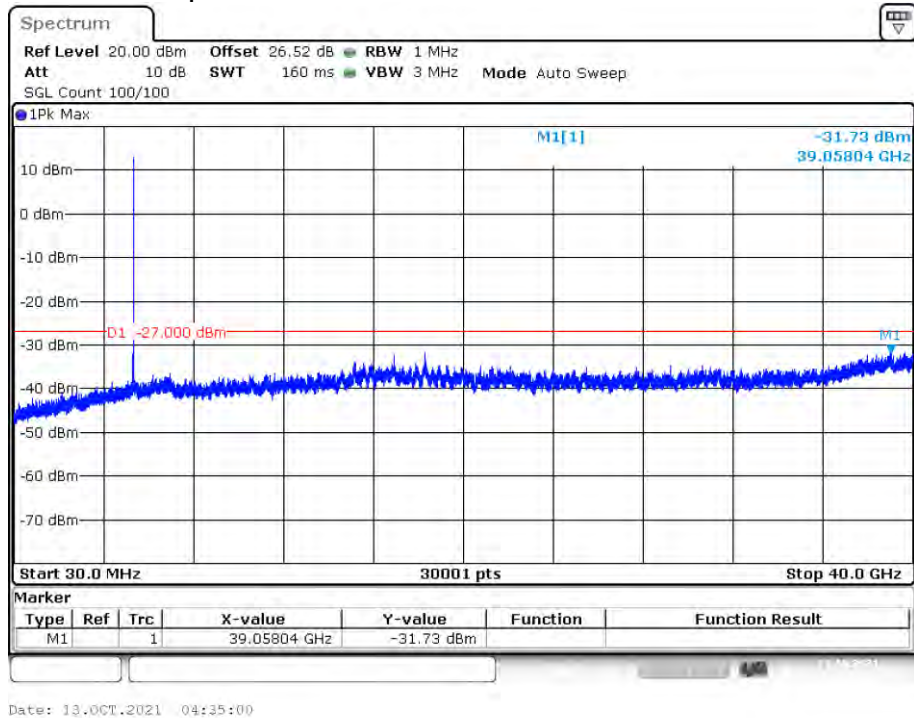
**Tx. Spurious NVNT a10 5255MHz Ant1 Emission**

Date: 12.OCT.2021 16:31:09

## Tx. Spurious NVNT a10 5280MHz Ant1 Emission

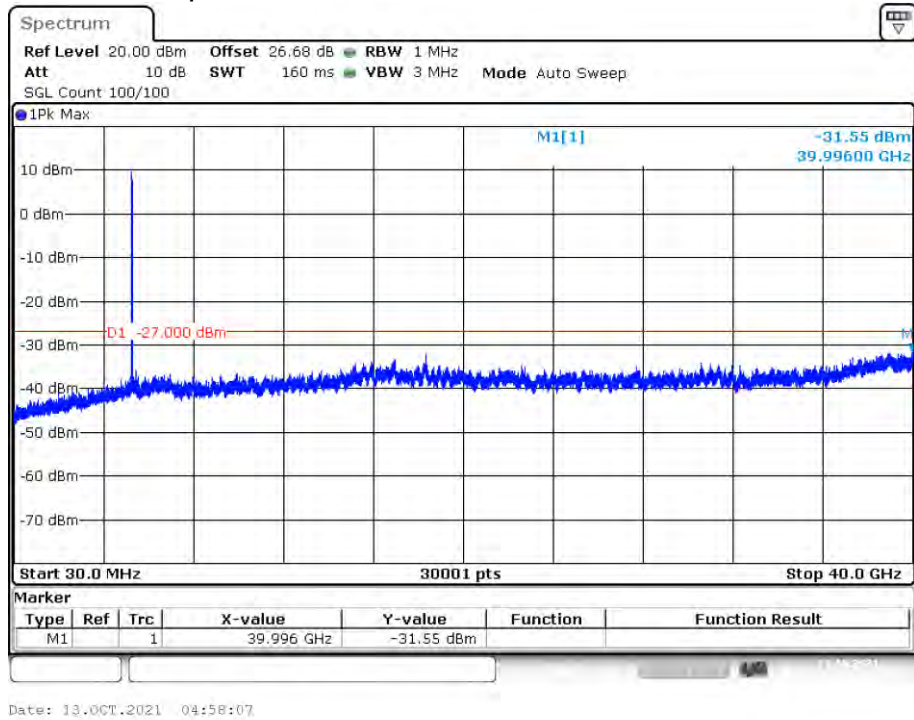


## Tx. Spurious NVNT a10 5325MHz Ant1 Emission

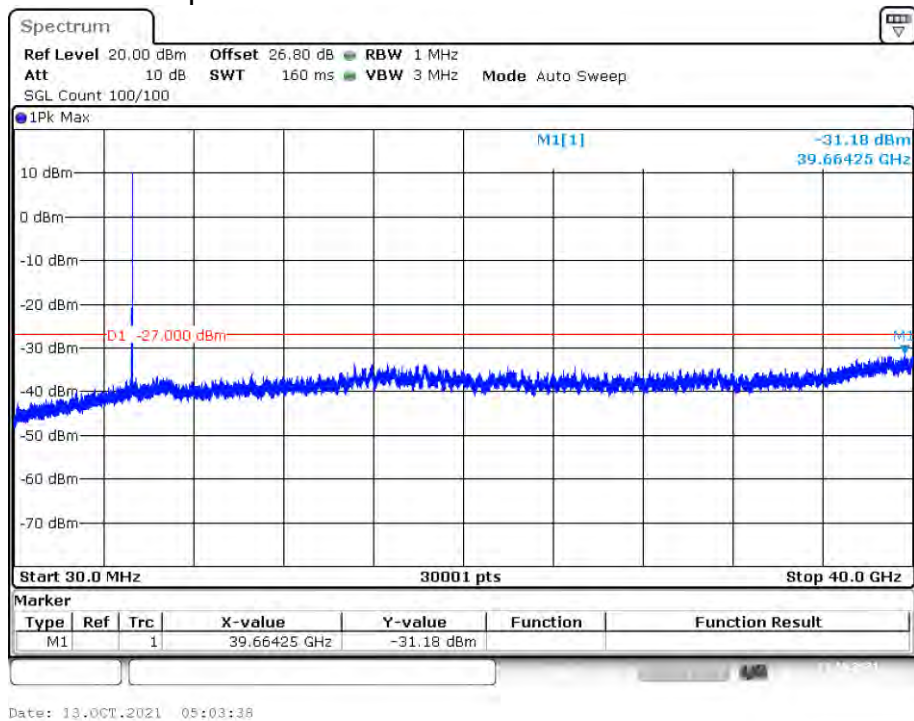




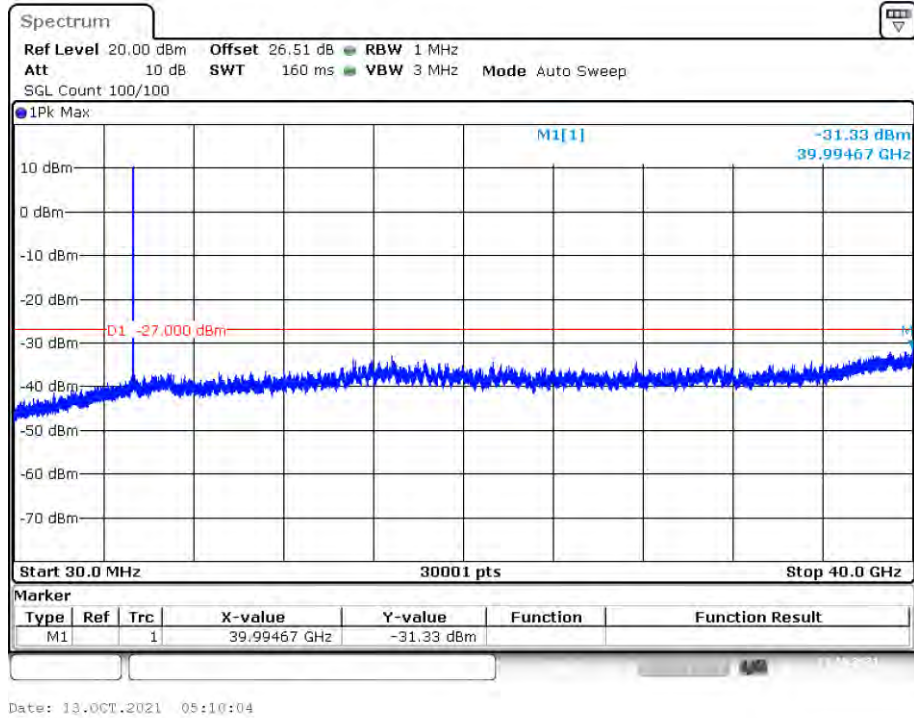
## Tx. Spurious NVNT a20 5260MHz Ant1 Emission



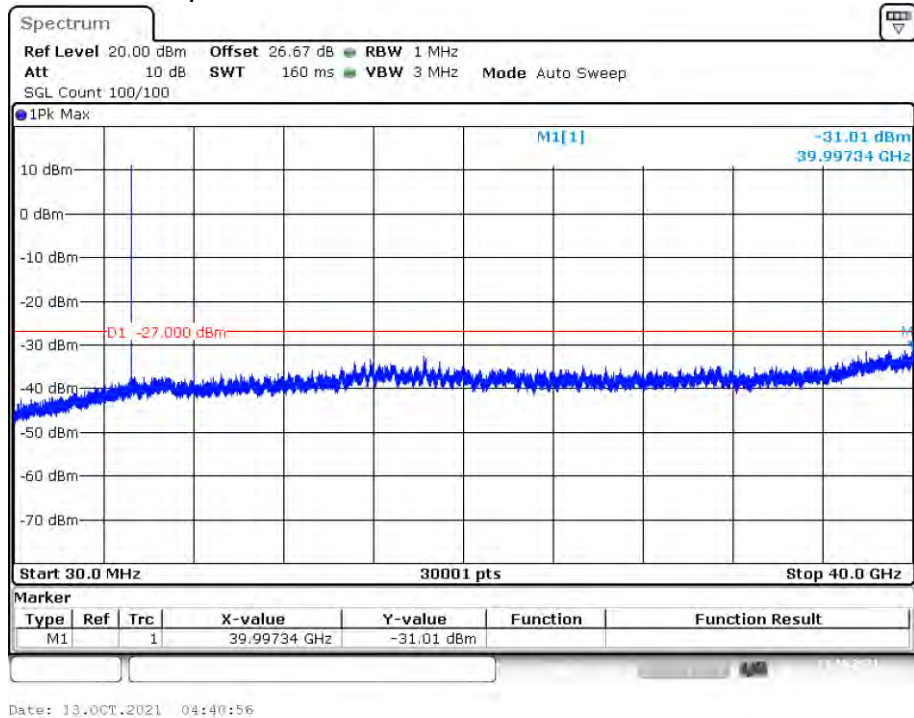
## Tx. Spurious NVNT a20 5280MHz Ant1 Emission



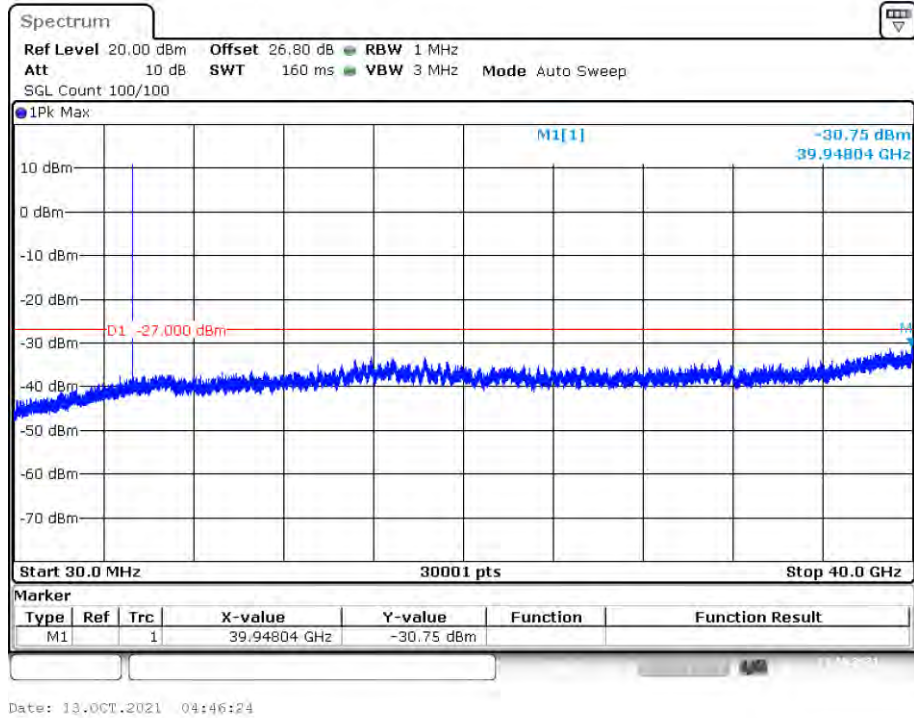
## Tx. Spurious NVNT a20 5320MHz Ant1 Emission



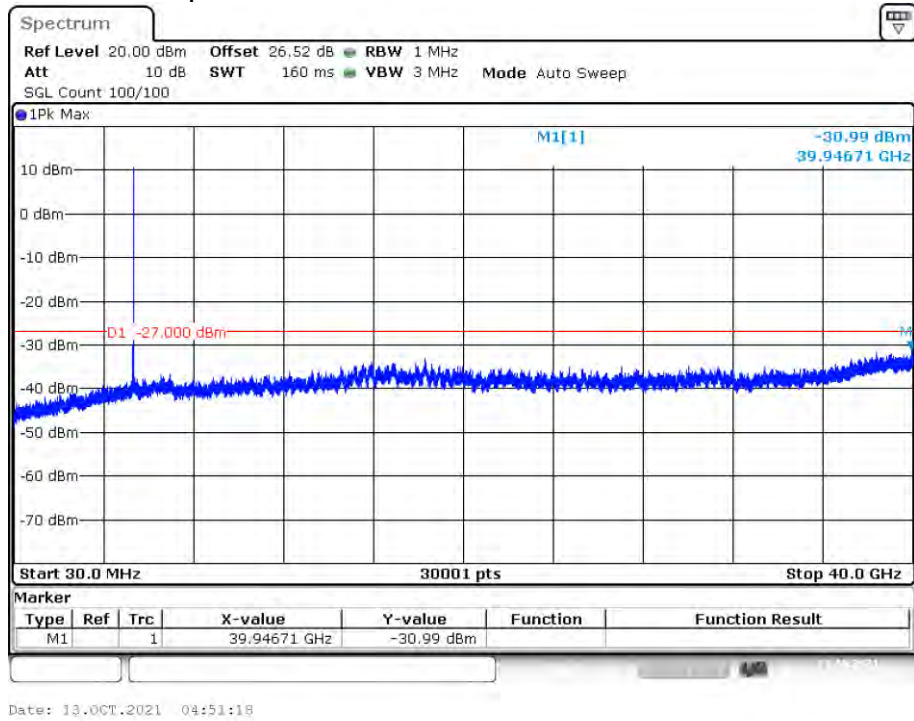
## Tx. Spurious NVNT n10 5255MHz Ant1 Emission



## Tx. Spurious NVNT n10 5280MHz Ant1 Emission

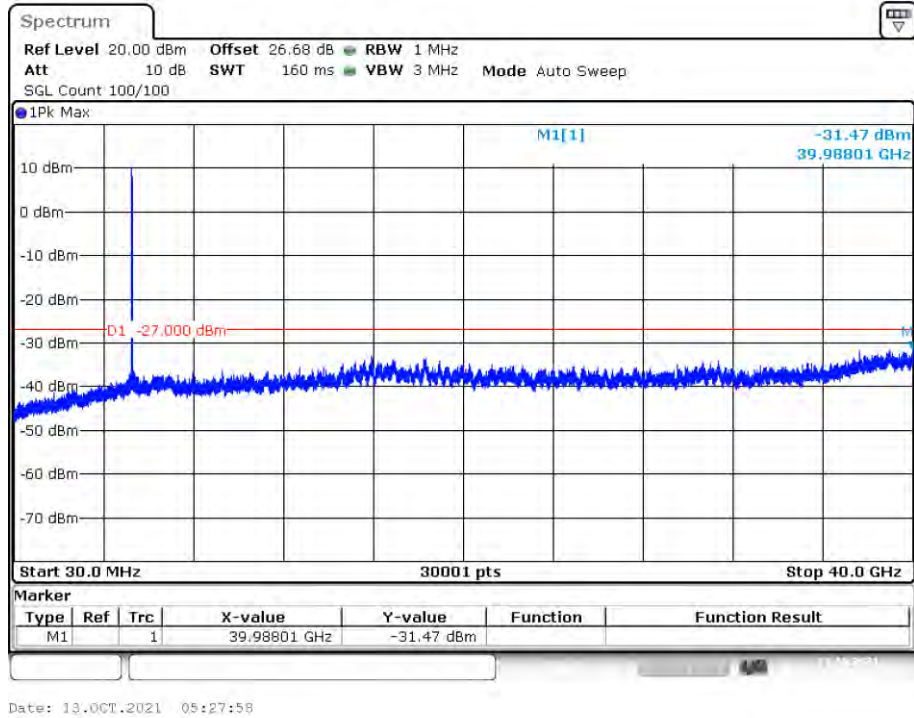


## Tx. Spurious NVNT n10 5325MHz Ant1 Emission

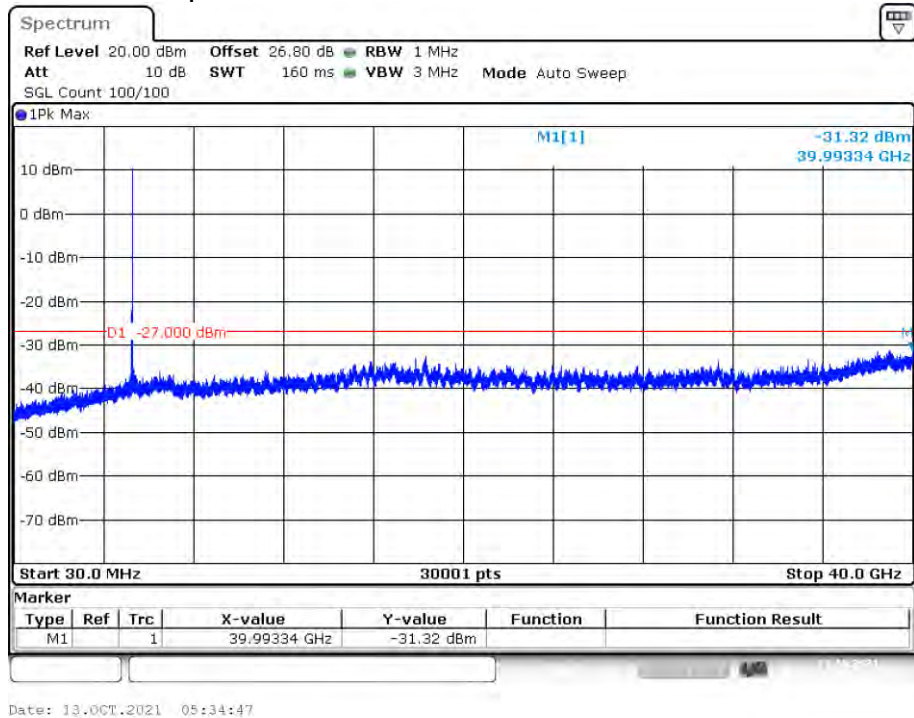




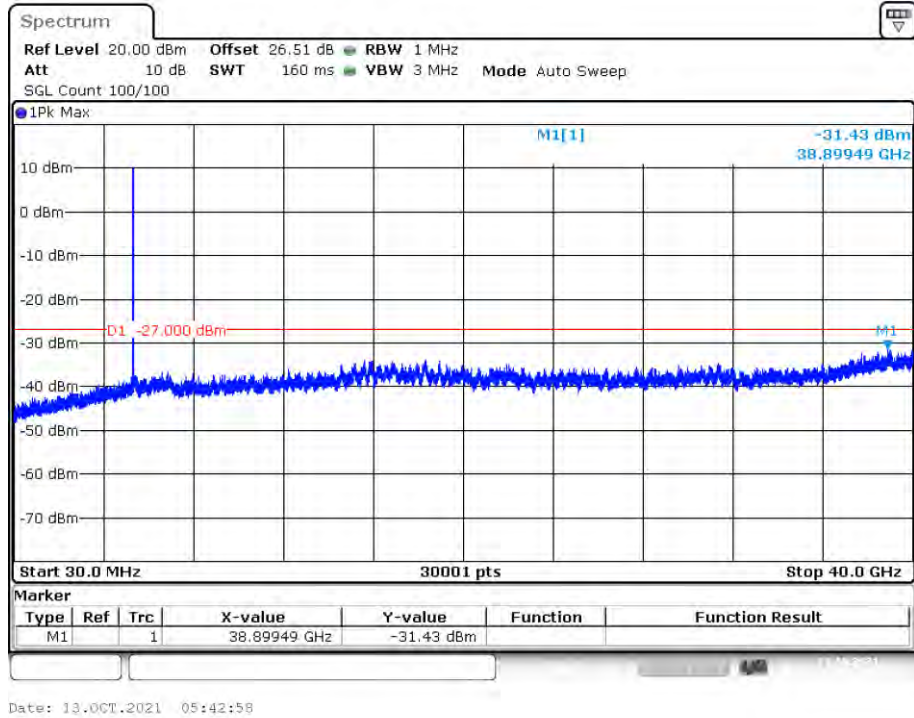
## Tx. Spurious NVNT n20 5260MHz Ant1 Emission



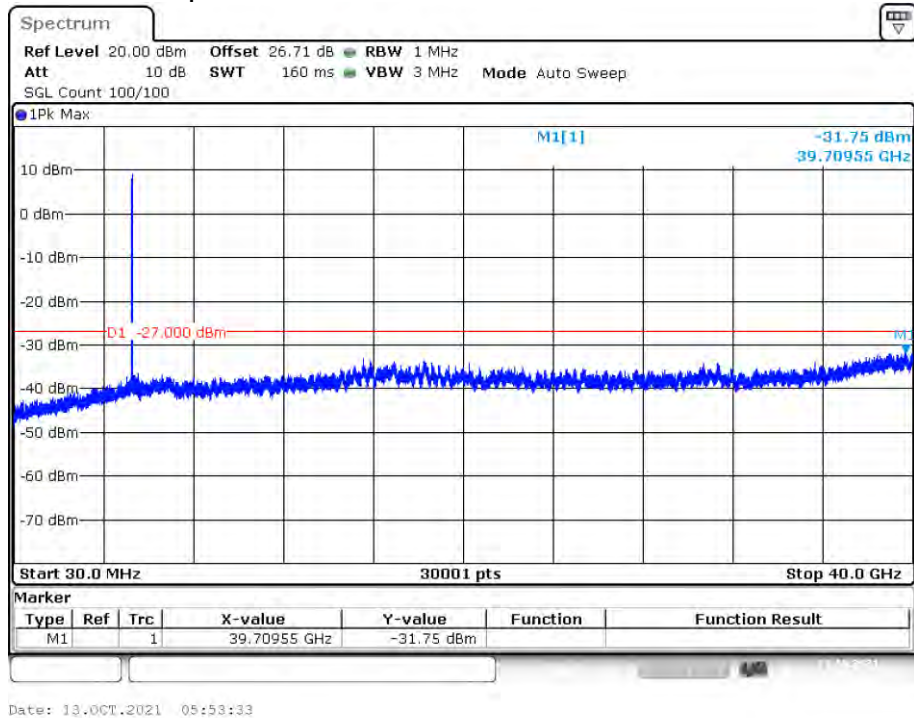
## Tx. Spurious NVNT n20 5280MHz Ant1 Emission



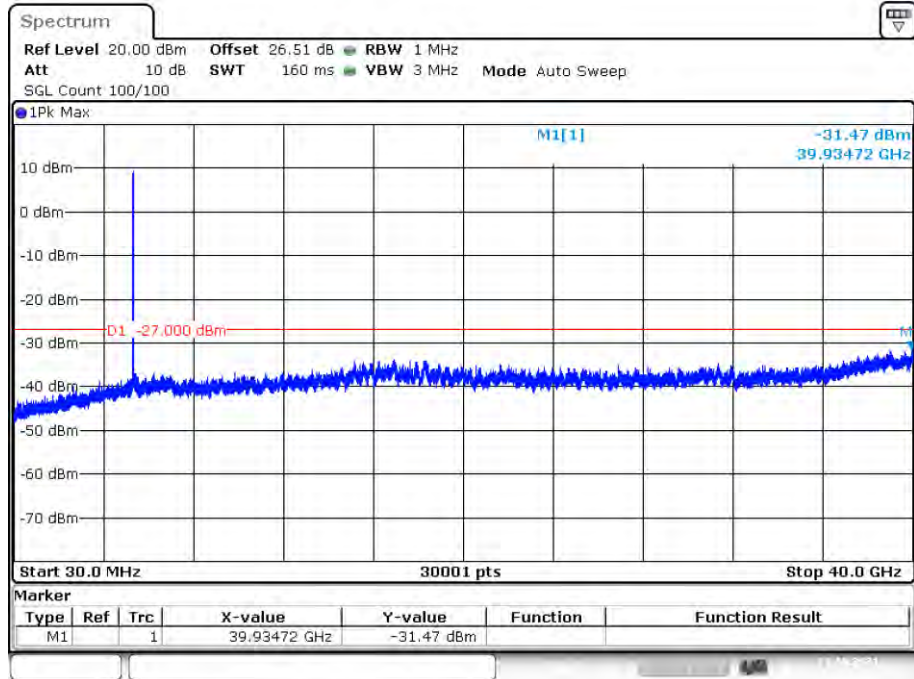
## Tx. Spurious NVNT n20 5320MHz Ant1 Emission



## Tx. Spurious NVNT n30 5265MHz Ant1 Emission



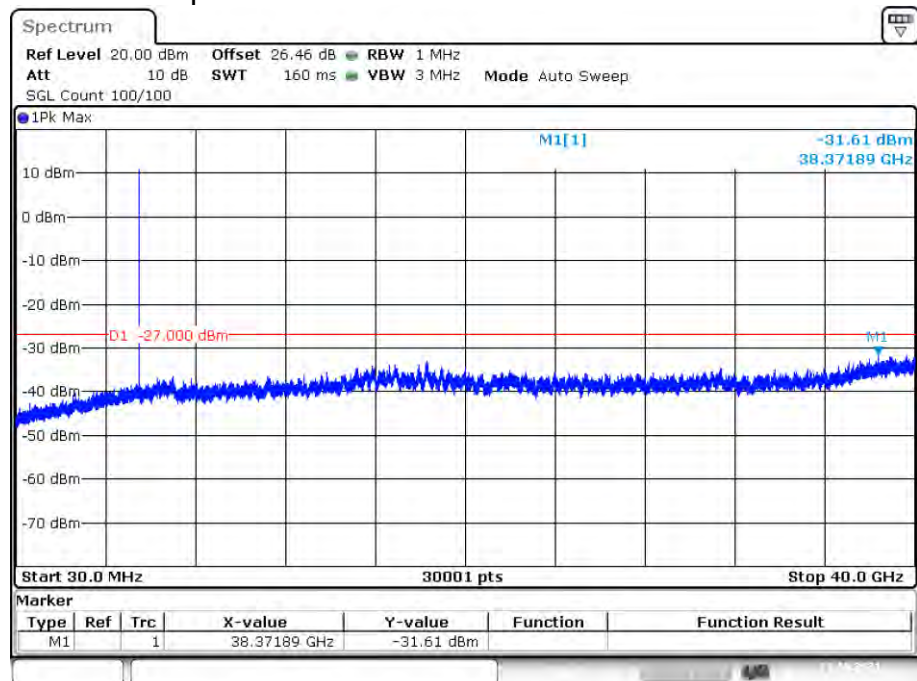
## Tx. Spurious NVNT n30 5315MHz Ant1 Emission



Date: 13.OCT.2021 06:04:21

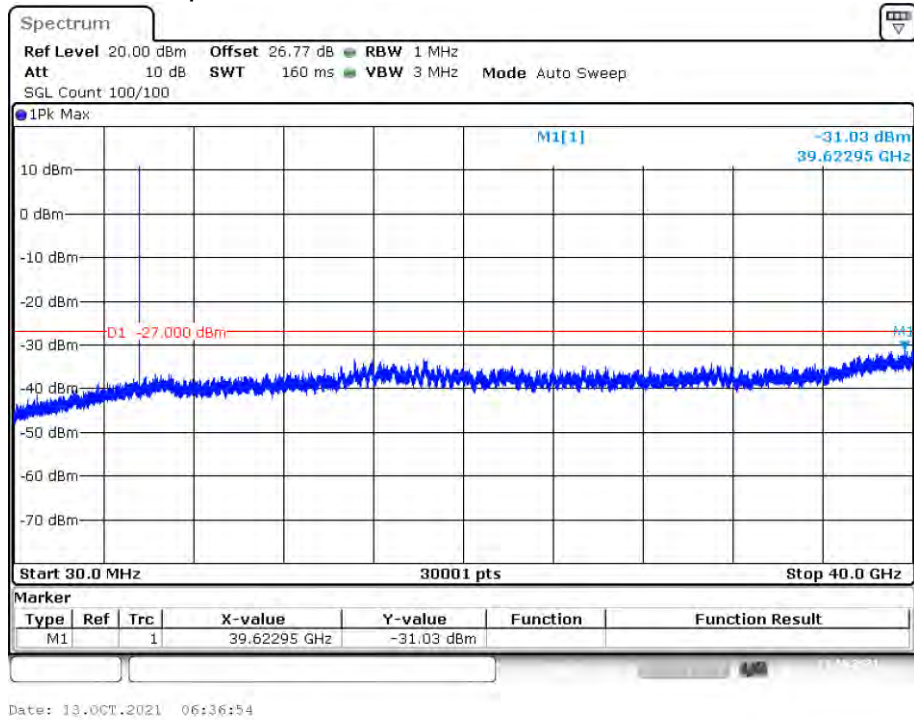
**Band 3:****Conducted RF Spurious Emission**

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a10  | 5495            | Ant1    | -31.61          | -27         | Pass    |
| NVNT      | a10  | 5580            | Ant1    | -31.02          | -27         | Pass    |
| NVNT      | a10  | 5705            | Ant1    | -30.86          | -27         | Pass    |
| NVNT      | a20  | 5500            | Ant1    | -31.12          | -27         | Pass    |
| NVNT      | a20  | 5580            | Ant1    | -31.08          | -27         | Pass    |
| NVNT      | a20  | 5700            | Ant1    | -30.72          | -27         | Pass    |
| NVNT      | n10  | 5495            | Ant1    | -32.17          | -27         | Pass    |
| NVNT      | n10  | 5580            | Ant1    | -30.41          | -27         | Pass    |
| NVNT      | n10  | 5705            | Ant1    | -31.13          | -27         | Pass    |
| NVNT      | n20  | 5500            | Ant1    | -31.22          | -27         | Pass    |
| NVNT      | n20  | 5580            | Ant1    | -31.16          | -27         | Pass    |
| NVNT      | n20  | 5700            | Ant1    | -30.7           | -27         | Pass    |
| NVNT      | n30  | 5505            | Ant1    | -31.23          | -27         | Pass    |
| NVNT      | n30  | 5695            | Ant1    | -30.91          | -27         | Pass    |

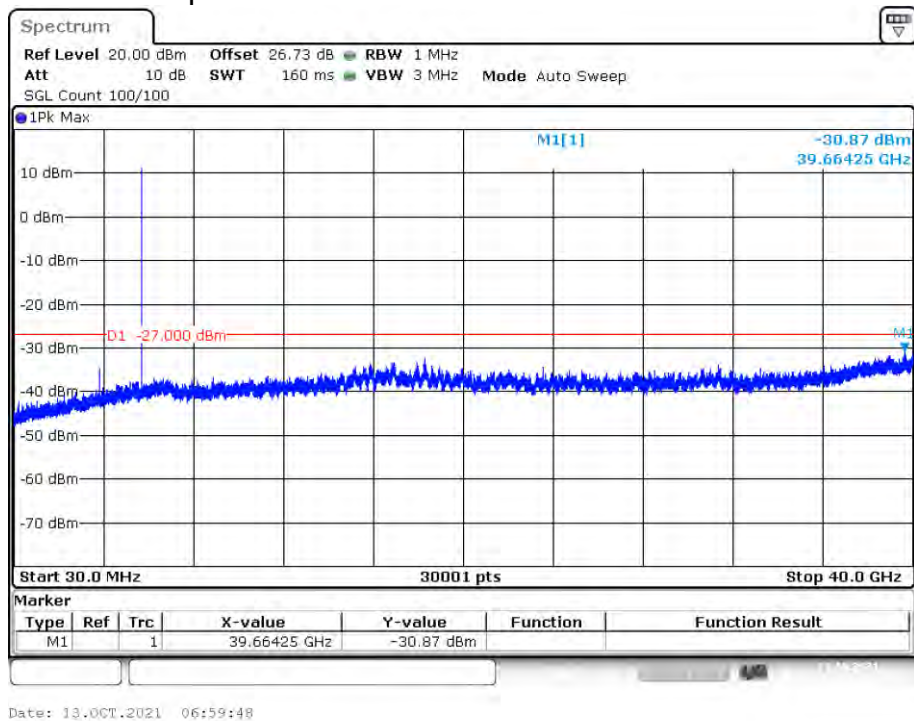
**Tx. Spurious NVNT a10 5495MHz Ant1 Emission**

Date: 13.OCT.2021 06:27:14

## Tx. Spurious NVNT a10 5580MHz Ant1 Emission

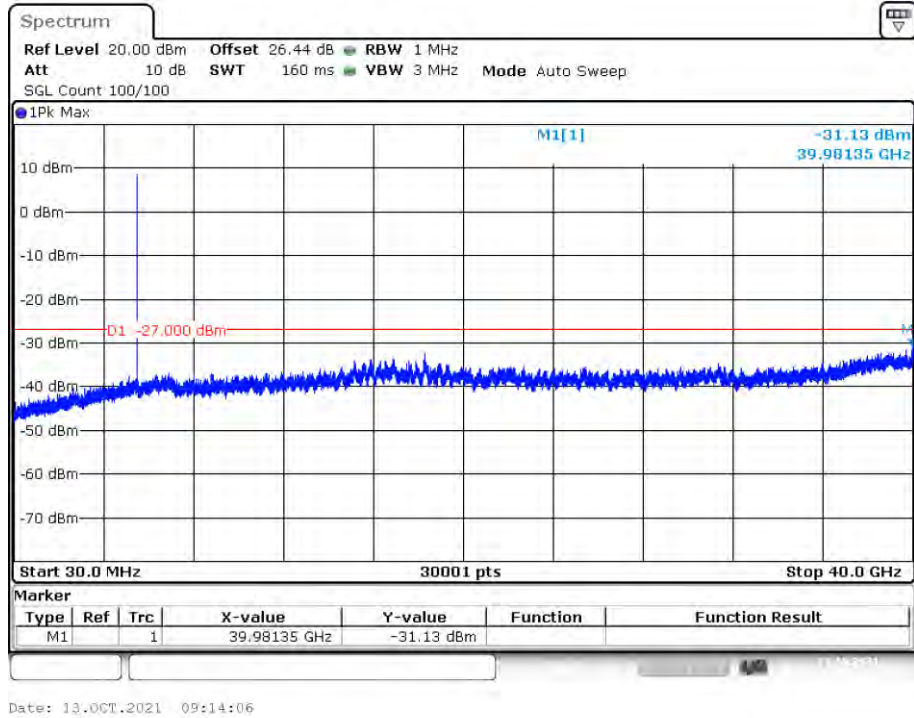


## Tx. Spurious NVNT a10 5705MHz Ant1 Emission

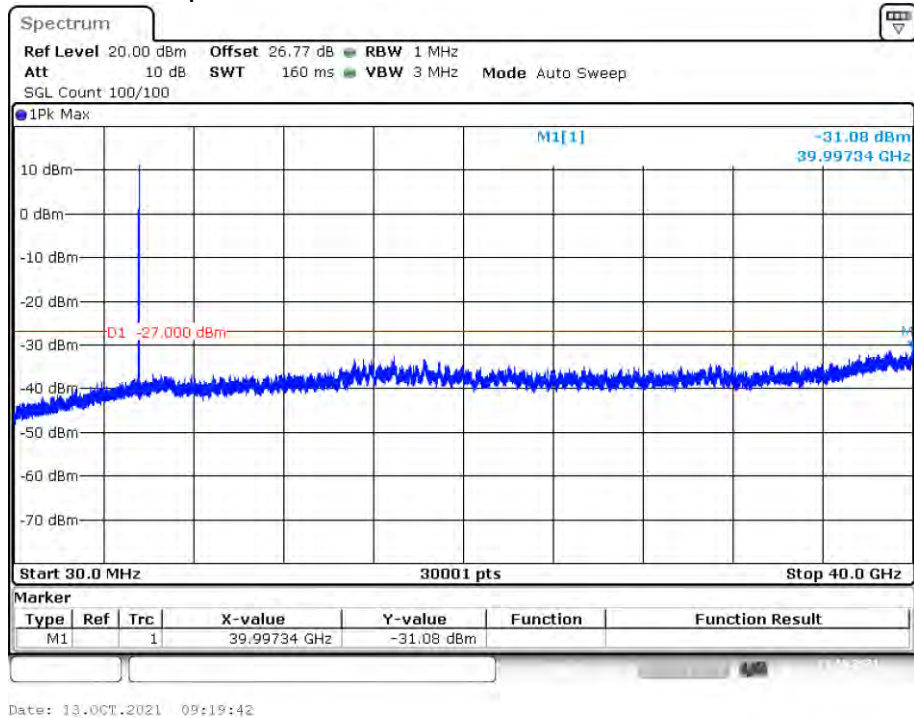




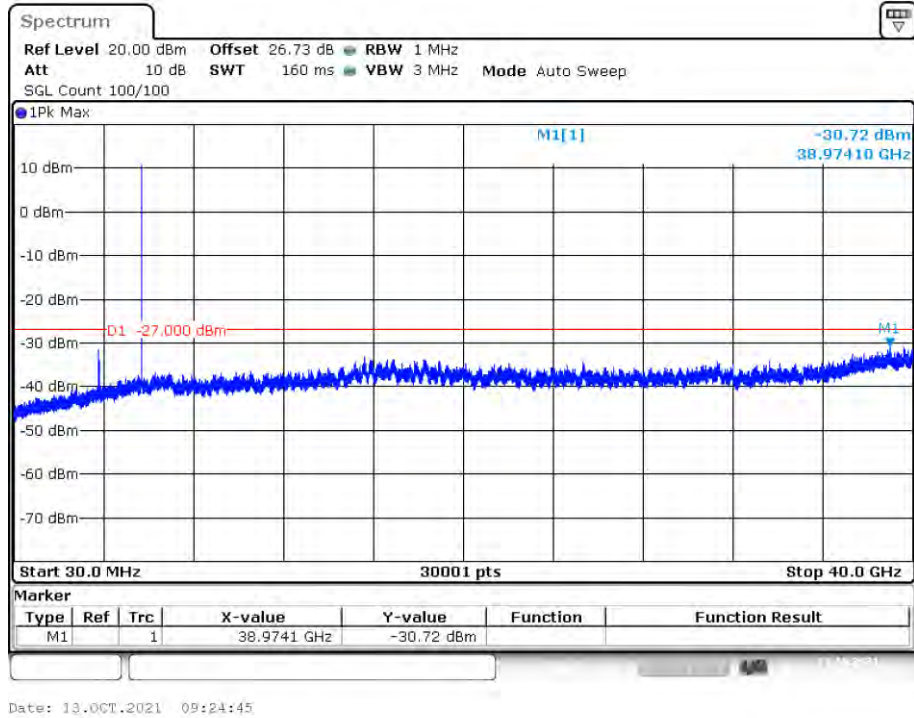
## Tx. Spurious NVNT a20 5500MHz Ant1 Emission



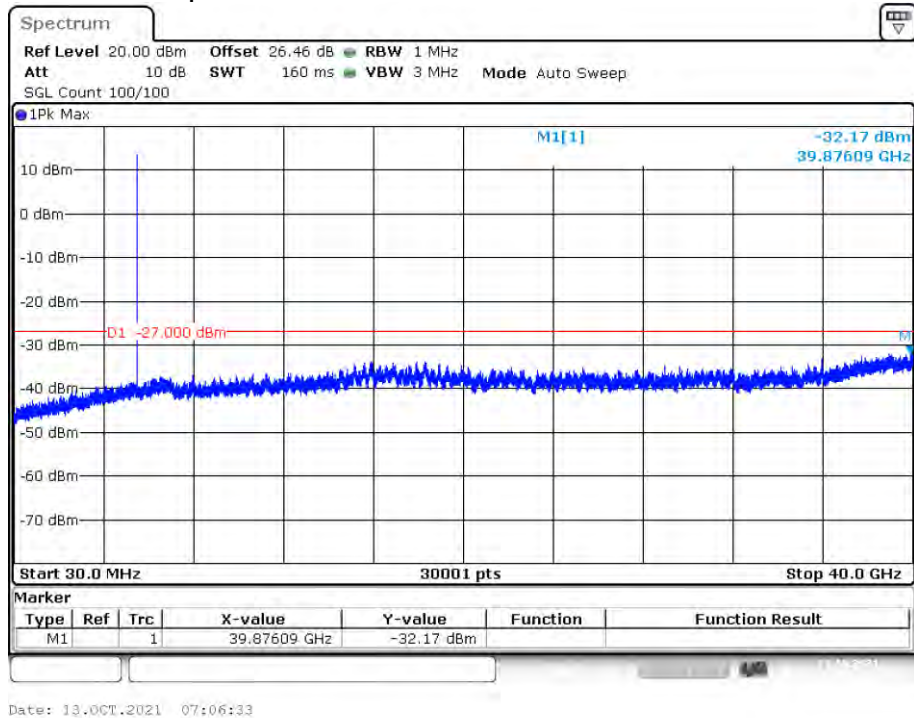
## Tx. Spurious NVNT a20 5580MHz Ant1 Emission



## Tx. Spurious NVNT a20 5700MHz Ant1 Emission

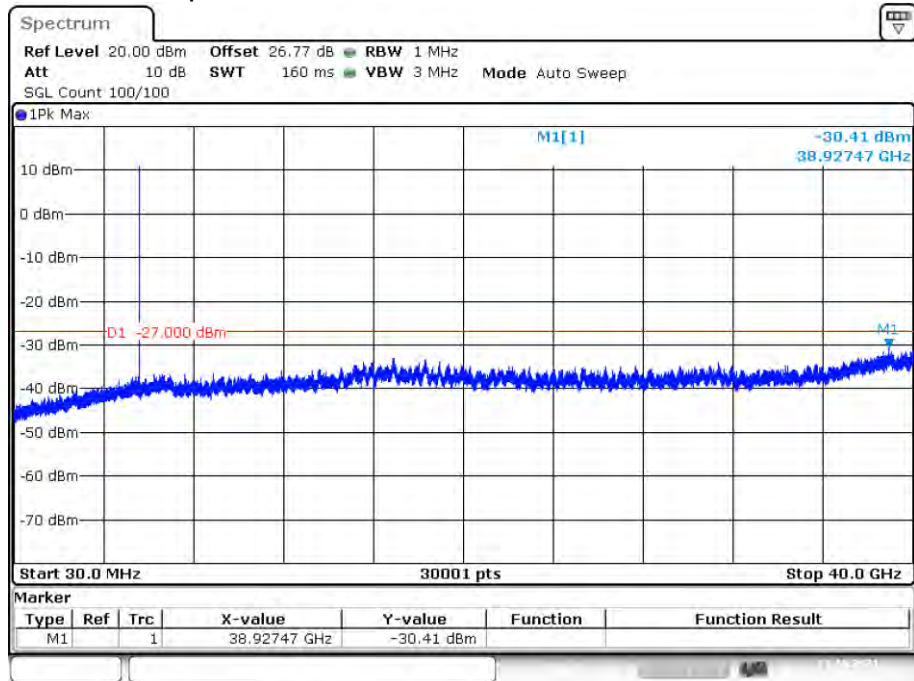


## Tx. Spurious NVNT n10 5495MHz Ant1 Emission



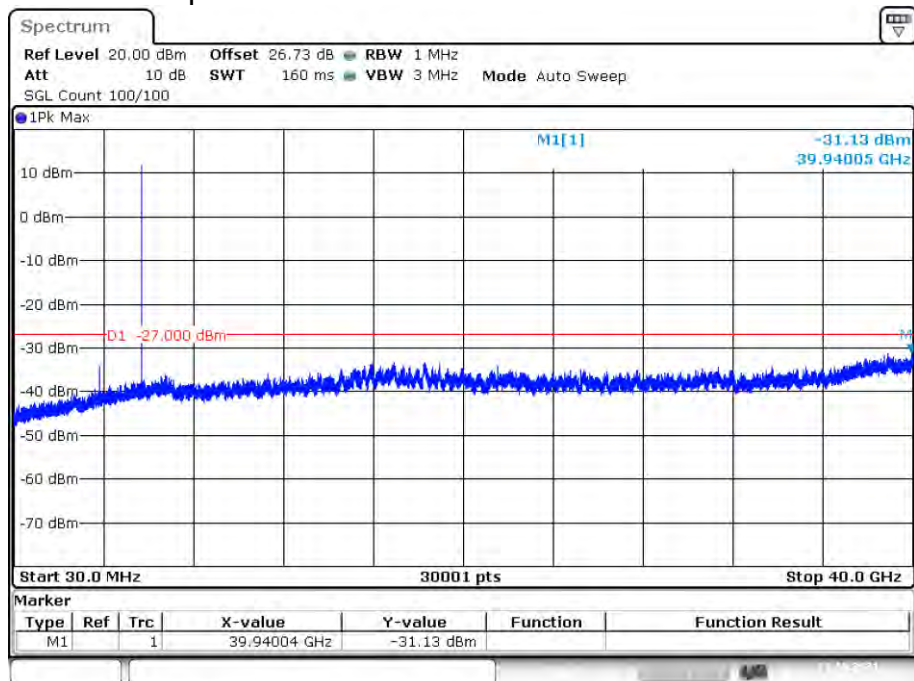


## Tx. Spurious NVNT n10 5580MHz Ant1 Emission



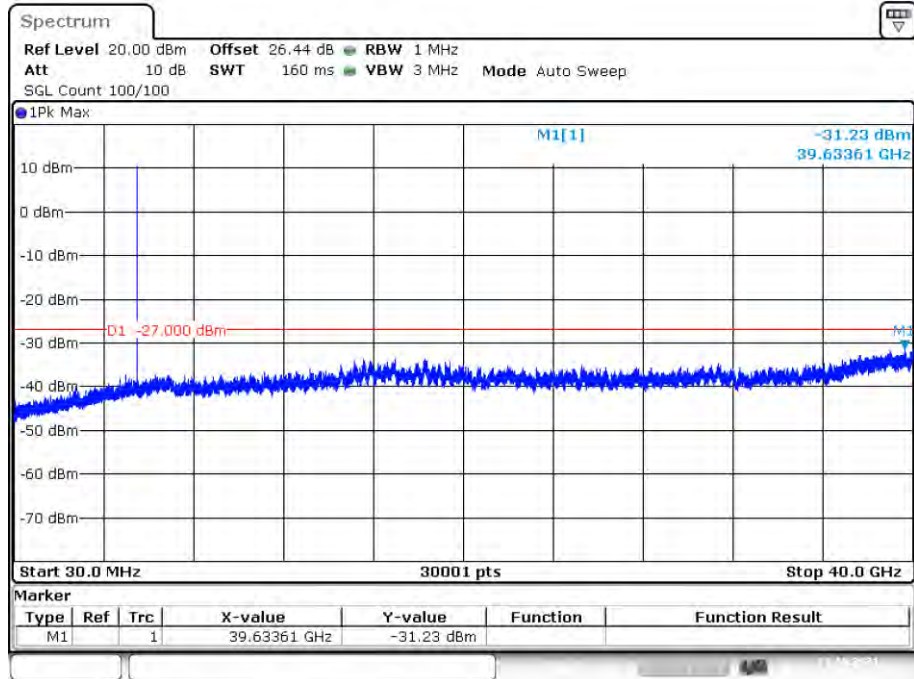
Date: 13.OCT.2021 08:55:29

## Tx. Spurious NVNT n10 5705MHz Ant1 Emission



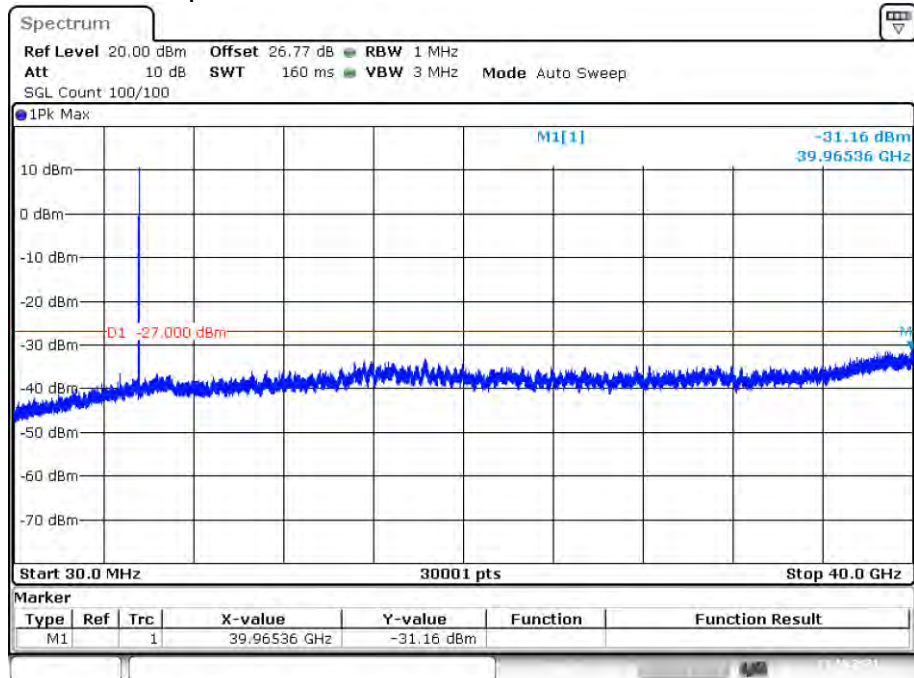
Date: 13.OCT.2021 09:06:48

## Tx. Spurious NVNT n20 5500MHz Ant1 Emission



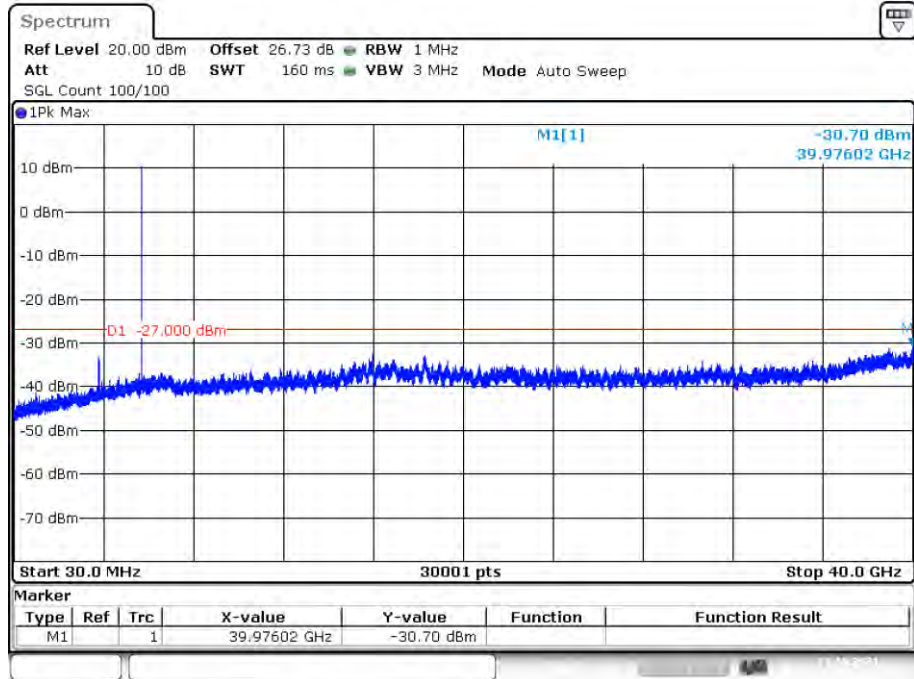
Date: 13.OCT.2021 09:31:49

## Tx. Spurious NVNT n20 5580MHz Ant1 Emission



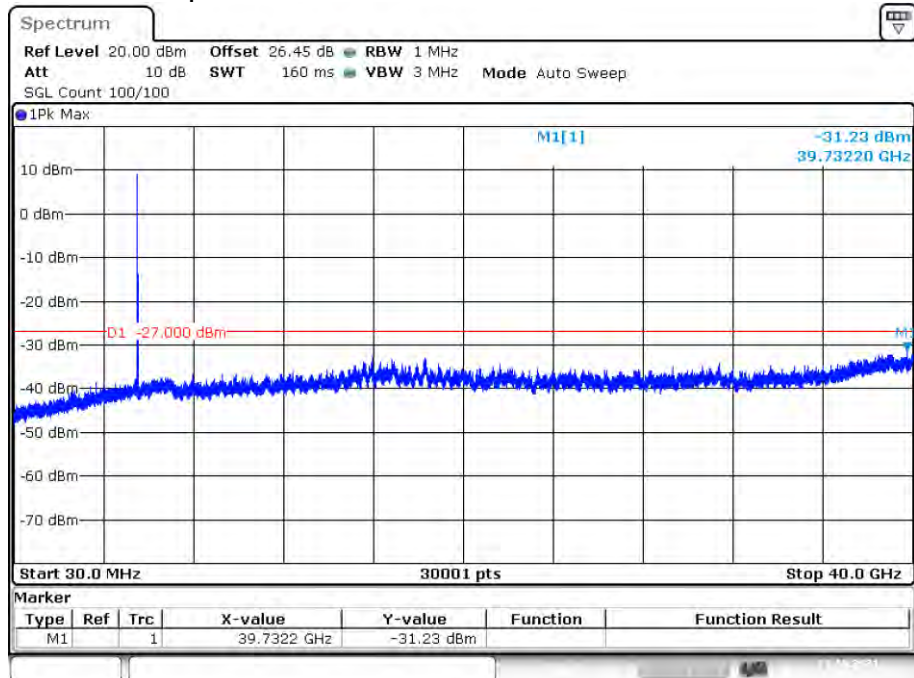
Date: 13.OCT.2021 09:39:26

## Tx. Spurious NVNT n20 5700MHz Ant1 Emission



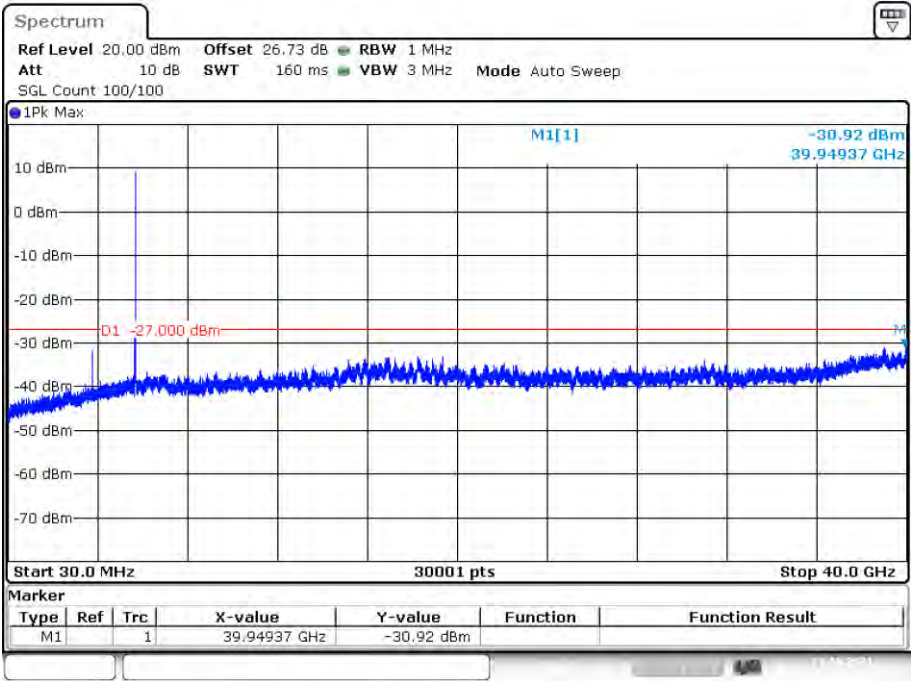
Date: 13.OCT.2021 09:49:32

## Tx. Spurious NVNT n30 5505MHz Ant1 Emission



Date: 13.OCT.2021 09:59:54

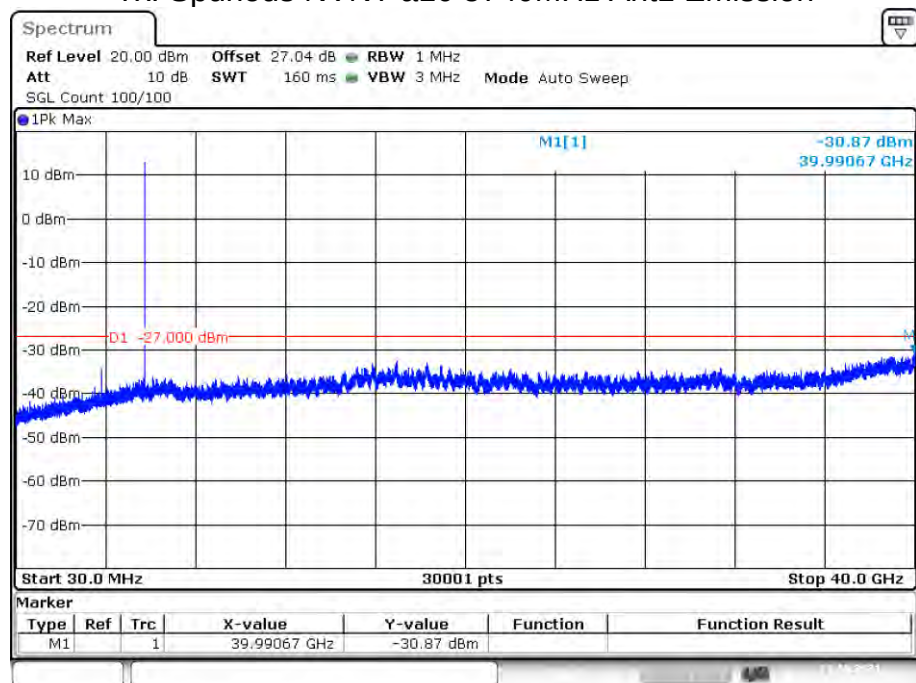
Tx. Spurious NVNT n30 5695MHz Ant1 Emission



Date: 13.OCT.2021 10:10:35

**Band 4****Conducted RF Spurious Emission**

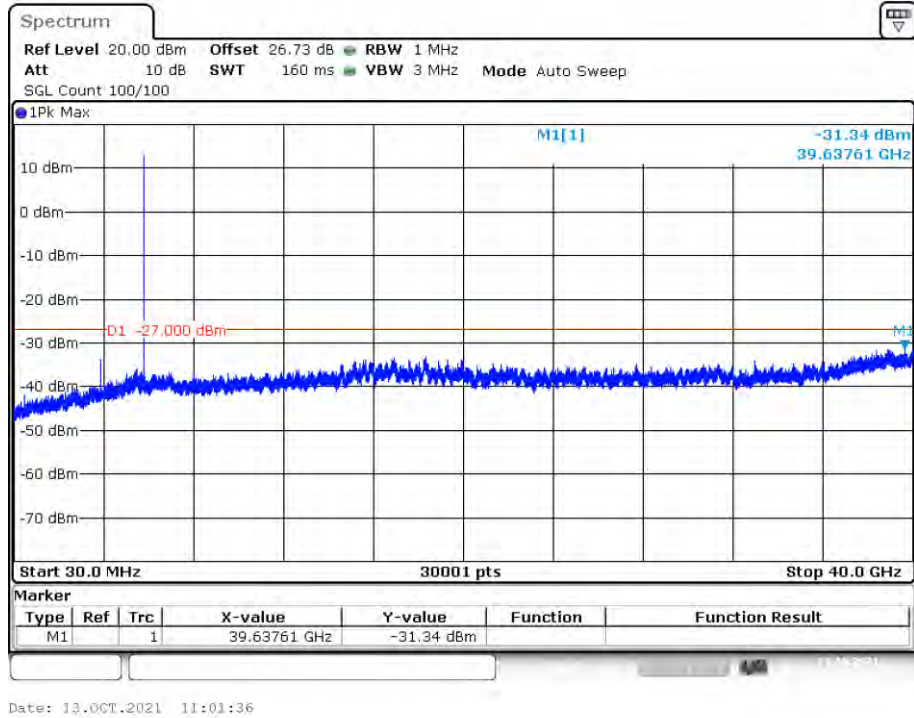
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a10  | 5740            | Ant1    | -30.87          | -27         | Pass    |
| NVNT      | a10  | 5785            | Ant1    | -31.34          | -27         | Pass    |
| NVNT      | a10  | 5830            | Ant1    | -30.78          | -27         | Pass    |
| NVNT      | a20  | 5745            | Ant1    | -31.32          | -27         | Pass    |
| NVNT      | a20  | 5785            | Ant1    | -31.41          | -27         | Pass    |
| NVNT      | a20  | 5825            | Ant1    | -30.42          | -27         | Pass    |
| NVNT      | n10  | 5740            | Ant1    | -30.99          | -27         | Pass    |
| NVNT      | n10  | 5785            | Ant1    | -31.36          | -27         | Pass    |
| NVNT      | n10  | 5830            | Ant1    | -31.28          | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -30.56          | -27         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -31.05          | -27         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -30.56          | -27         | Pass    |
| NVNT      | n30  | 5750            | Ant1    | -30.91          | -27         | Pass    |
| NVNT      | n30  | 5800            | Ant1    | -30.8           | -27         | Pass    |

**Tx. Spurious NVNT a10 5740MHz Ant1 Emission**

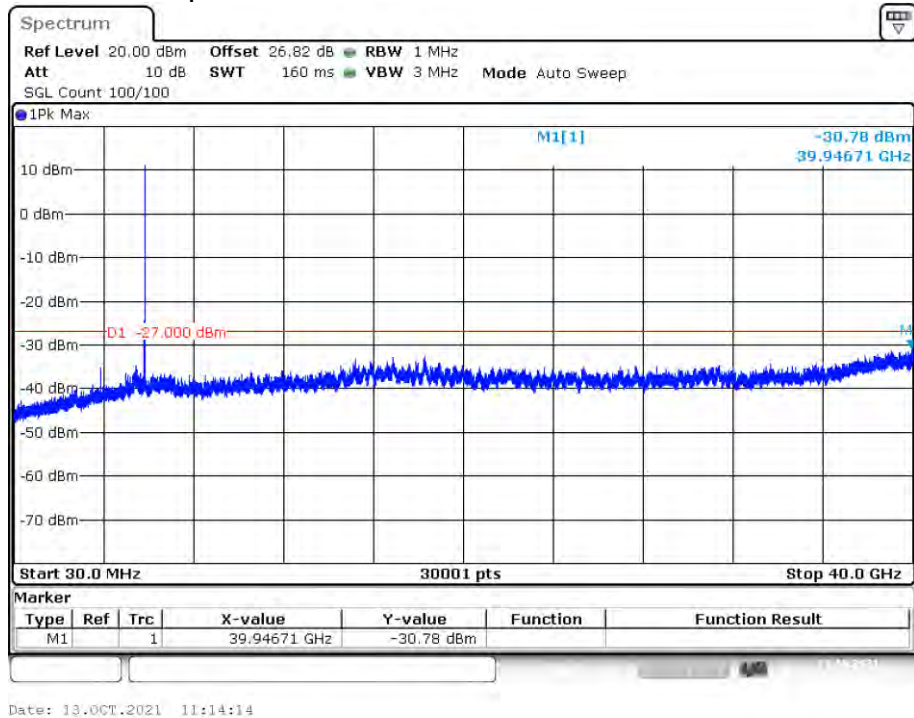
Date: 13.OCT.2021 10:55:25



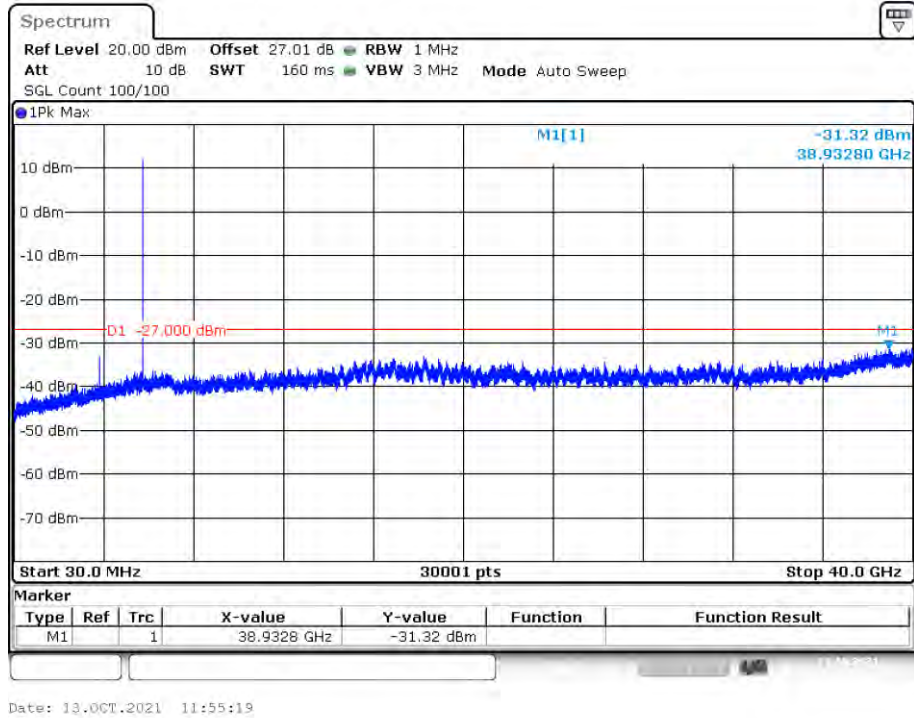
## Tx. Spurious NVNT a10 5785MHz Ant1 Emission



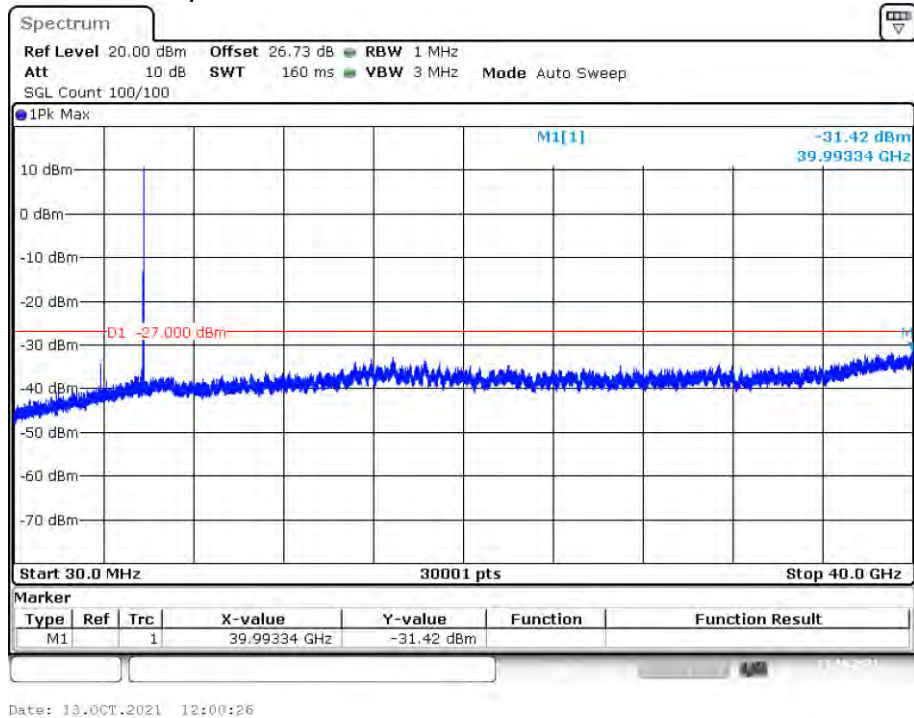
## Tx. Spurious NVNT a10 5830MHz Ant1 Emission



## Tx. Spurious NVNT a20 5745MHz Ant1 Emission

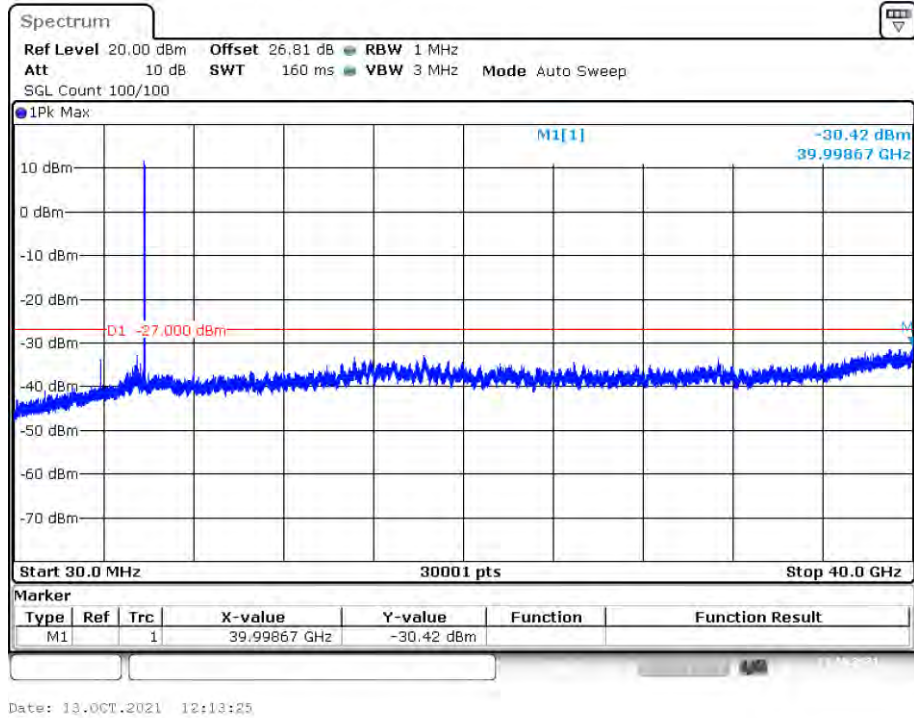


## Tx. Spurious NVNT a20 5785MHz Ant1 Emission

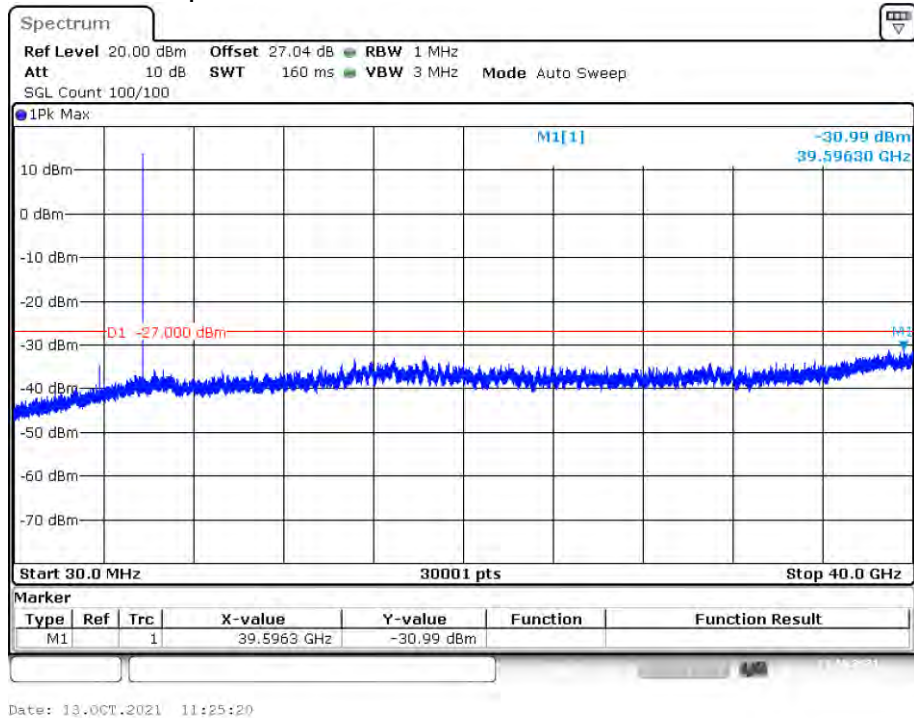




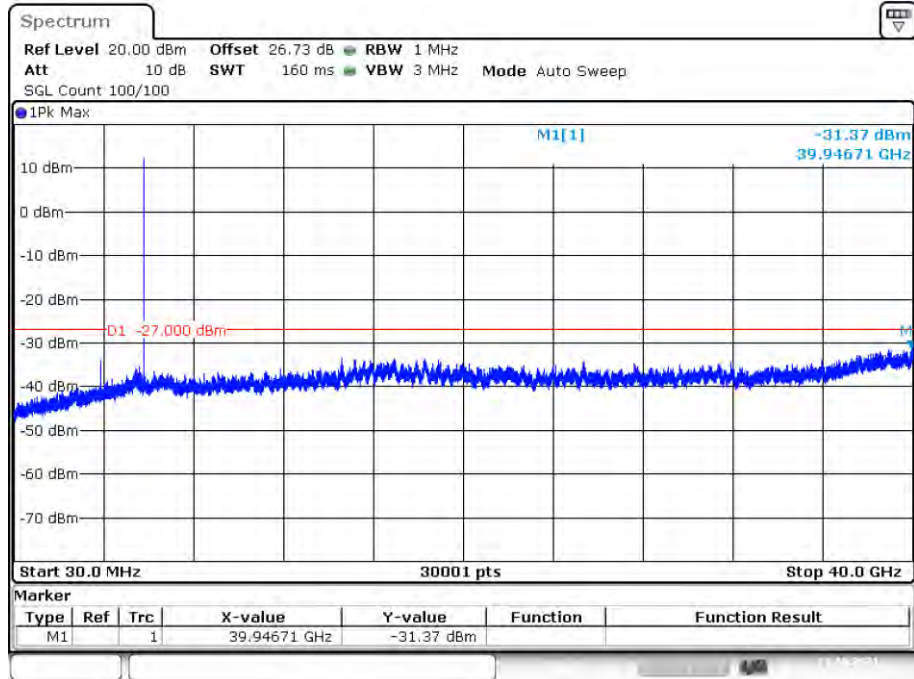
## Tx. Spurious NVNT a20 5825MHz Ant1 Emission



## Tx. Spurious NVNT n10 5740MHz Ant1 Emission

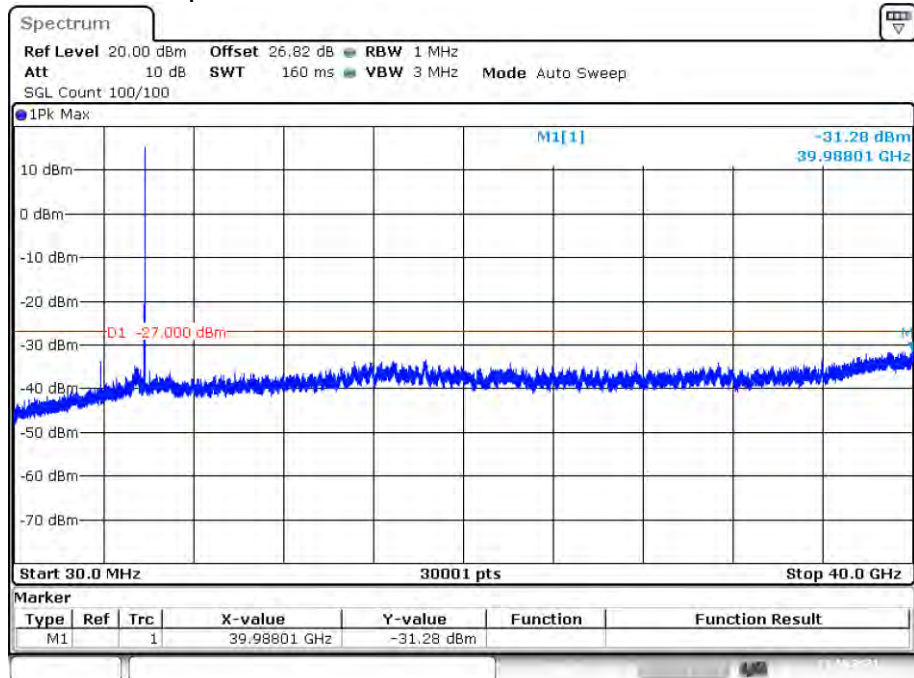


## Tx. Spurious NVNT n10 5785MHz Ant1 Emission



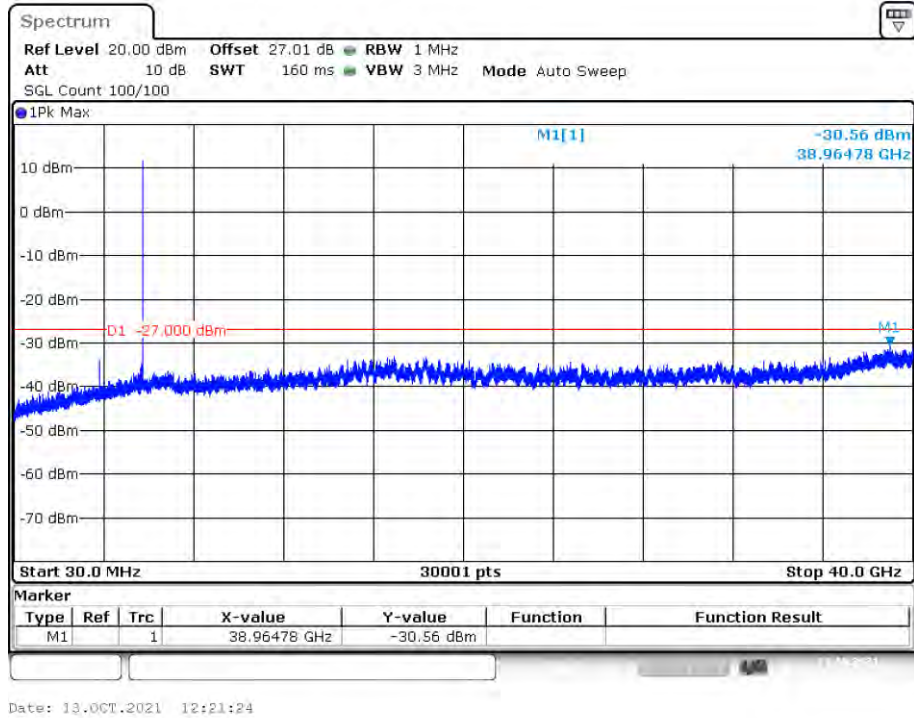
Date: 13.OCT.2021 11:35:46

## Tx. Spurious NVNT n10 5830MHz Ant1 Emission

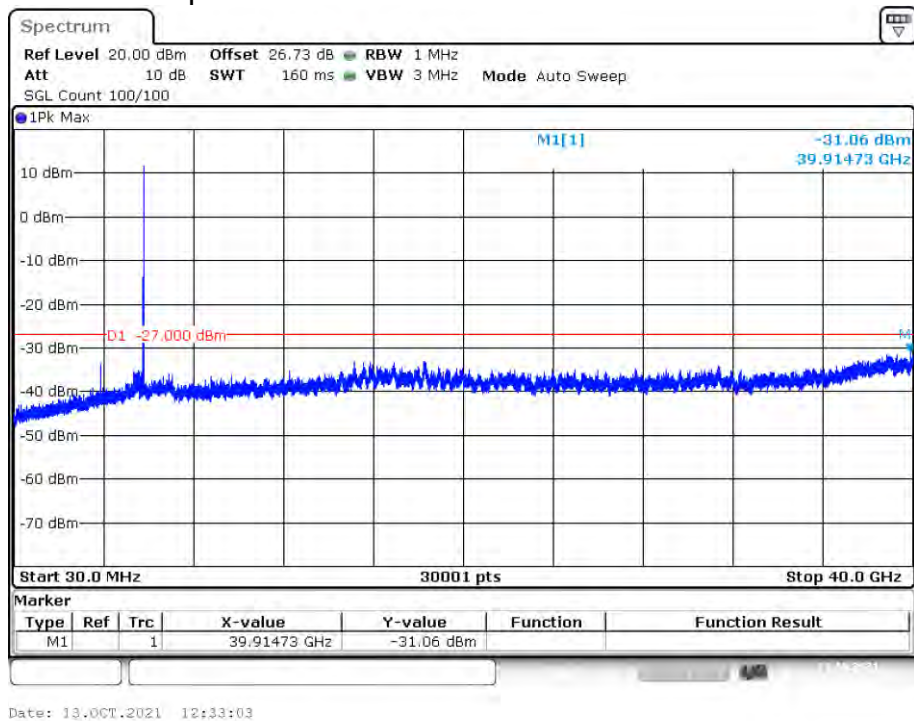


Date: 13.OCT.2021 11:45:41

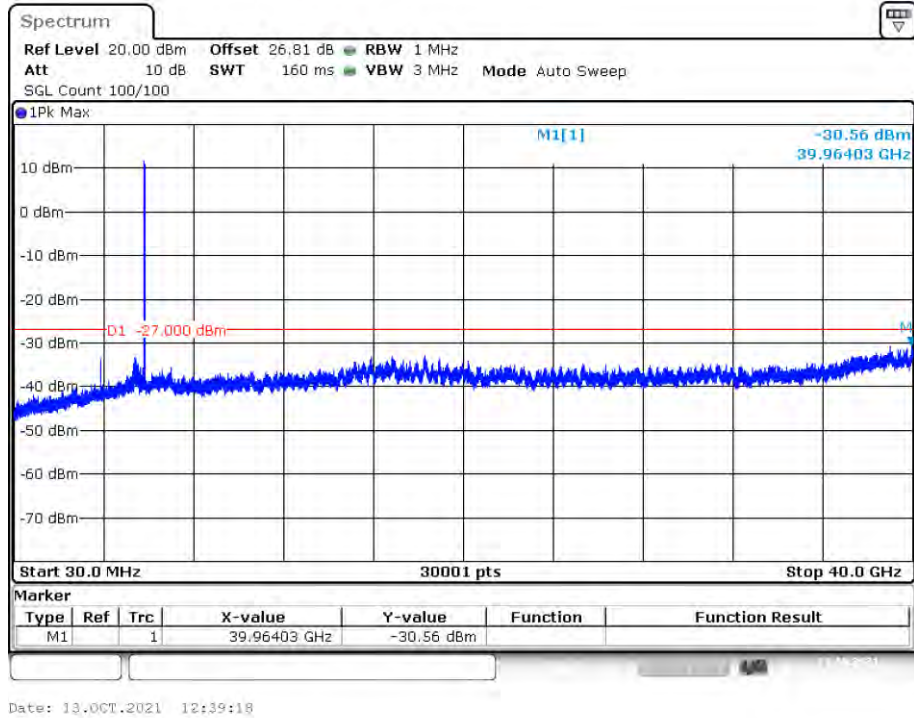
## Tx. Spurious NVNT n20 5745MHz Ant1 Emission



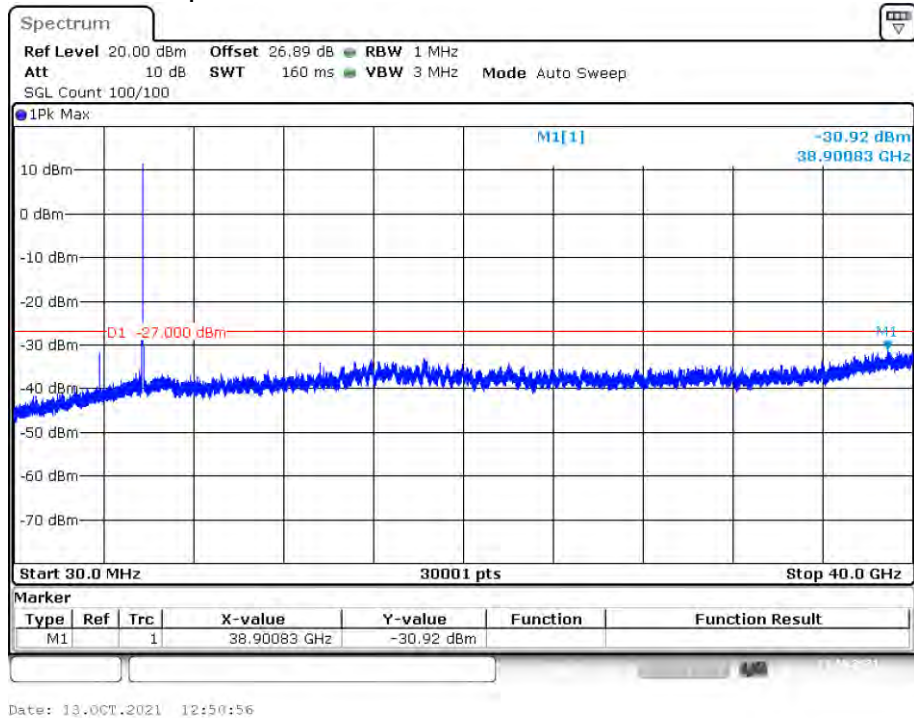
## Tx. Spurious NVNT n20 5785MHz Ant1 Emission



## Tx. Spurious NVNT n20 5825MHz Ant1 Emission

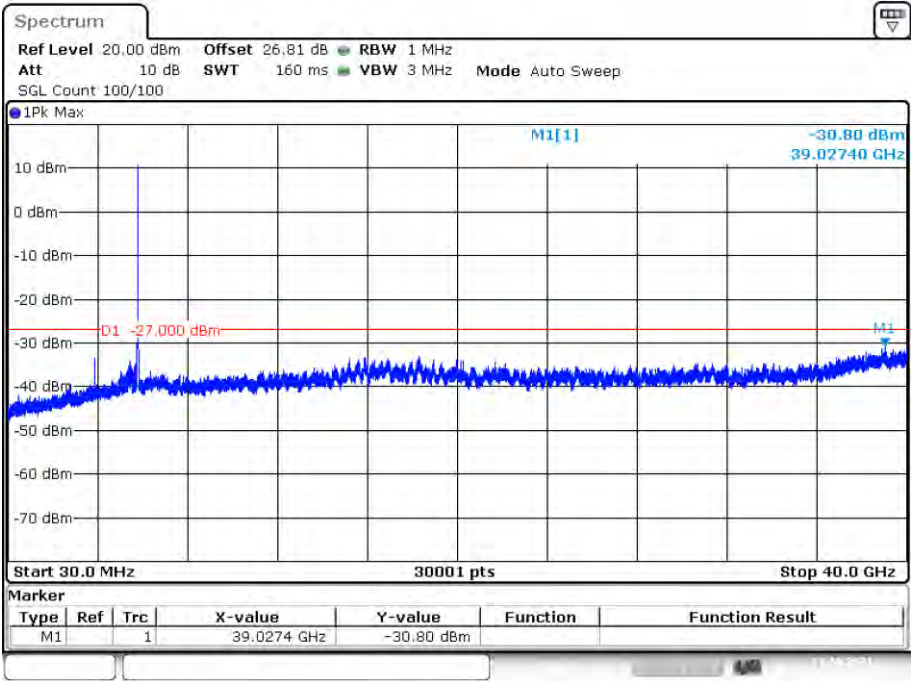


## Tx. Spurious NVNT n30 5750MHz Ant1 Emission





Tx. Spurious NVNT n30 5800MHz Ant1 Emission



Date: 13.OCT.2021 12:58:46

### 3.8 Frequency stability

|               |                                                                                                                                                                                                                              |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test limit    | Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual. |
| Test results: | Pass                                                                                                                                                                                                                         |

#### Measurement Data:

| Mode                    | Voltage (V) | FHL (5180MHz) | Deviation (KHz) | FHH (5240MHz) | Deviation (KHz) |
|-------------------------|-------------|---------------|-----------------|---------------|-----------------|
| Band 1 (5150-5250 MHz ) | DC 15.3V    | 5180.046      | 46              | 5240.032      | 32              |
|                         | DC 18V      | 5180.024      | 24              | 5239.982      | -18             |
|                         | DC 20.7V    | 5180.038      | 38              | 5240.032      | 32              |
| Mode                    | Voltage (V) | FHL (5260MHz) | Deviation (KHz) | FHH (5320MHz) | Deviation (KHz) |
| Band 2 (5250-5350 MHz ) | DC 15.3V    | 5260.036      | 36              | 5320.022      | 22              |
|                         | DC 18V      | 5260.000      | 0               | 5320.022      | 22              |
|                         | DC 20.7V    | 5260.034      | 34              | 5320.022      | 22              |
| Mode                    | Voltage (V) | FHL (5500MHz) | Deviation (KHz) | FHH (5700MHz) | Deviation (KHz) |
| Band 3 (5470-5725 MHz)  | DC 15.3V    | 5500.034      | 34              | 5700.032      | 32              |
|                         | DC 18V      | 5500.026      | 26              | 5700.022      | 22              |
|                         | DC 20.7V    | 5500.038      | 38              | 5700.034      | 34              |
| Mode                    | Voltage (V) | FHL (5745MHz) | Deviation (KHz) | FHH (5825MHz) | Deviation (KHz) |
| Band 4 (5725-5850 MHz)  | DC 15.3V    | 5745.024      | 24              | 5825.028      | 28              |
|                         | DC 18V      | 5745.012      | 12              | 5825.014      | 14              |
|                         | DC 20.7V    | 5745.024      | 24              | 5825.022      | 22              |

| Mode                    | Voltage (V) | FHL (5180MHz) | Deviation (KHz) | FHH (5240MHz) | Deviation (KHz) |
|-------------------------|-------------|---------------|-----------------|---------------|-----------------|
| Band 1 (5150-5250 MHz ) | -20°C       | 5179.988      | -12             | 5239.980      | -20             |
|                         | -10°C       | 5179.984      | -16             | 5239.991      | -9              |
|                         | 0°C         | 5179.994      | -6              | 5239.990      | -10             |
|                         | +10°C       | 5180.000      | 0               | 5239.981      | -19             |
|                         | +20°C       | 5180.003      | 3               | 5239.985      | -15             |
|                         | +30°C       | 5179.999      | -1              | 5239.996      | -4              |
|                         | +40°C       | 5179.990      | -10             | 5239.986      | -14             |
|                         | +50°C       | 5179.990      | -10             | 5239.994      | -6              |
|                         | +60°C       | 5179.988      | -12             | 5239.992      | -8              |
| Mode                    | Voltage (V) | FHL (5260MHz) | Deviation (KHz) | FHH (5320MHz) | Deviation (KHz) |
| Band 2 (5250-5350 MHz ) | -20°C       | 5259.986      | -14             | 5319.992      | -8              |
|                         | -10°C       | 5259.991      | -9              | 5319.993      | -7              |
|                         | 0°C         | 5259.993      | -7              | 5319.996      | -4              |
|                         | +10°C       | 5259.987      | -13             | 5319.989      | -11             |
|                         | +20°C       | 5259.993      | -7              | 5319.987      | -13             |
|                         | +30°C       | 5259.981      | -19             | 5319.989      | -11             |
|                         | +40°C       | 5259.983      | -17             | 5319.988      | -12             |
|                         | +50°C       | 5259.993      | -7              | 5320.002      | 2               |
|                         | +60°C       | 5259.990      | -10             | 5319.993      | -7              |



| Mode                   | Voltage (V) | FHL (5500MHz) | Deviation (KHz) | FHH (5700MHz) | Deviation (KHz) |
|------------------------|-------------|---------------|-----------------|---------------|-----------------|
| Band 3 (5470-5725 MHz) | -20°C       | 5499.997      | -3              | 5699.983      | -17             |
|                        | -10°C       | 5500.001      | 1               | 5699.983      | -17             |
|                        | 0°C         | 5499.995      | -5              | 5699.984      | -16             |
|                        | +10°C       | 5500.004      | 4               | 5699.981      | -19             |
|                        | +20°C       | 5500.008      | 8               | 5699.983      | -17             |
|                        | +30°C       | 5499.992      | -8              | 5699.980      | -20             |
|                        | +40°C       | 5499.981      | -19             | 5699.982      | -18             |
|                        | +50°C       | 5499.998      | -2              | 5699.988      | -12             |
|                        | +60°C       | 5499.992      | -8              | 5699.984      | -16             |
| Mode                   | Voltage (V) | FHL (5745MHz) | Deviation (KHz) | FHH (5825MHz) | Deviation (KHz) |
| Band 4 (5725-5850 MHz) | -20°C       | 5744.992      | -8              | 5825.001      | 1               |
|                        | -10°C       | 5744.998      | -2              | 5824.996      | -4              |
|                        | 0°C         | 5744.984      | -16             | 5824.991      | -9              |
|                        | +10°C       | 5744.993      | -7              | 5824.993      | -7              |
|                        | +20°C       | 5744.995      | -5              | 5825.008      | 8               |
|                        | +30°C       | 5745.004      | 4               | 5824.985      | -15             |
|                        | +40°C       | 5744.993      | -7              | 5824.999      | -1              |
|                        | +50°C       | 5744.994      | -6              | 5825.004      | 4               |
|                        | +60°C       | 5745.001      | 1               | 5824.995      | -5              |

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