

|                                                        |                                          |
|--------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20241123004-3-01</u>           |                                          |
| <b>Ambient Condition:</b> <u>22</u> °C, <u>51</u> %RH, |                                          |
| <b>Test Date:</b> <u>2025.1.17</u>                     | <b>Test Engineer:</b> <u>Evan ouyang</u> |

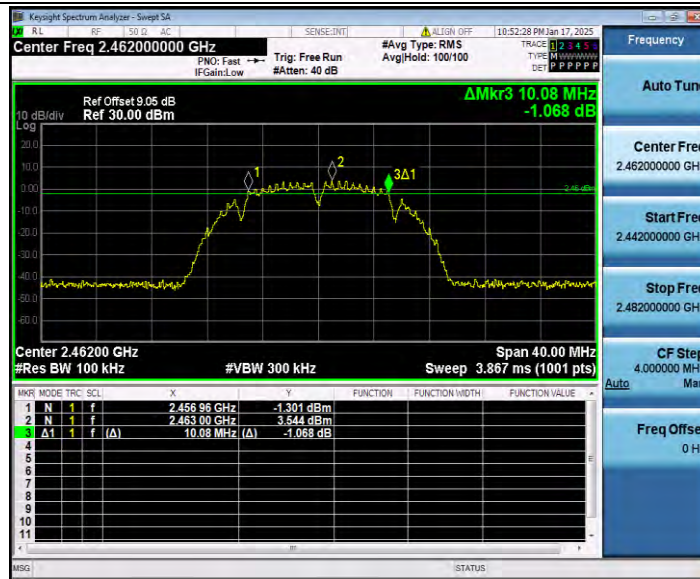
## Appendix A.1: DTS Bandwidth

### Test Result

| TestMode  | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412           | 10.080       | 2406.960 | 2417.040 | 0.5        | PASS    |
|           |         | 2437           | 10.080       | 2431.960 | 2442.040 | 0.5        | PASS    |
|           |         | 2462           | 10.080       | 2456.960 | 2467.040 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 15.360       | 2404.520 | 2419.880 | 0.5        | PASS    |
|           |         | 2437           | 13.760       | 2430.760 | 2444.520 | 0.5        | PASS    |
|           |         | 2462           | 12.520       | 2455.680 | 2468.200 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 15.120       | 2404.440 | 2419.560 | 0.5        | PASS    |
|           |         | 2437           | 12.960       | 2431.600 | 2444.560 | 0.5        | PASS    |
|           |         | 2462           | 14.040       | 2455.480 | 2469.520 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422           | 35.680       | 2404.480 | 2440.160 | 0.5        | PASS    |
|           |         | 2437           | 33.760       | 2419.480 | 2453.240 | 0.5        | PASS    |
|           |         | 2452           | 28.800       | 2438.240 | 2467.040 | 0.5        | PASS    |

Test Graphs





11G\_Ant1\_2412



11G\_Ant1\_2437



## 11G\_Ant1\_2462



## 11N20SISO\_Ant1\_2412



## 11N20SISO\_Ant1\_2437



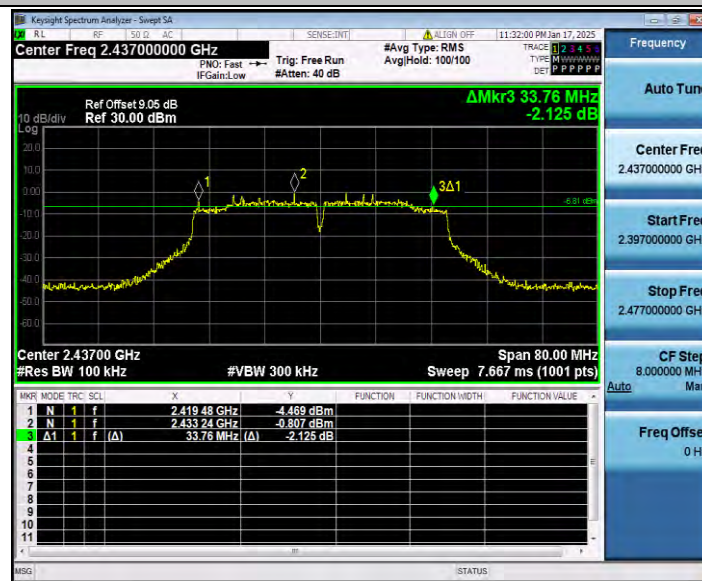
11N20SISO\_Ant1\_2462



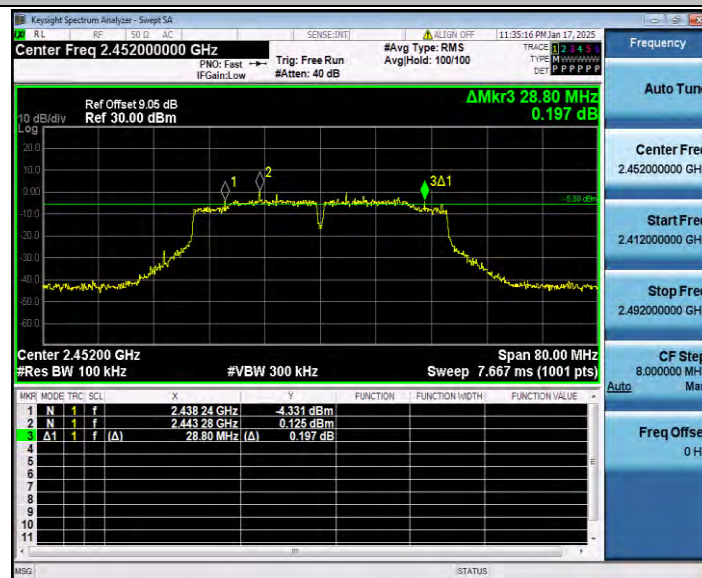
11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



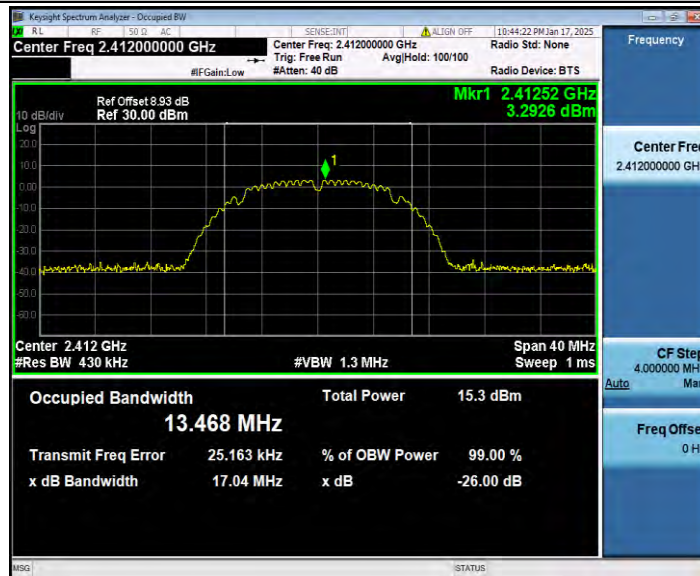
## Appendix A.2: Occupied Channel Bandwidth

### Test Result

| TestMode  | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|---------------------------|--------------|-----------|-----------|------------|---------|
| 11B       | Ant1    | 2412                      | 13.468       | 2405.2912 | 2418.7592 | ---        | ---     |
|           |         | 2437                      | 13.490       | 2430.3128 | 2443.8028 | ---        | ---     |
|           |         | 2462                      | 13.447       | 2455.2737 | 2468.7207 | ---        | ---     |
| 11G       | Ant1    | 2412                      | 16.921       | 2403.5929 | 2420.5139 | ---        | ---     |
|           |         | 2437                      | 16.953       | 2428.5852 | 2445.5382 | ---        | ---     |
|           |         | 2462                      | 16.790       | 2453.5955 | 2470.3855 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                      | 17.883       | 2403.1025 | 2420.9855 | ---        | ---     |
|           |         | 2437                      | 17.981       | 2428.0793 | 2446.0603 | ---        | ---     |
|           |         | 2462                      | 17.871       | 2453.0496 | 2470.9206 | ---        | ---     |
| 11N40SISO | Ant1    | 2422                      | 36.074       | 2404.0514 | 2440.1254 | ---        | ---     |
|           |         | 2437                      | 36.060       | 2419.0125 | 2455.0725 | ---        | ---     |
|           |         | 2452                      | 36.005       | 2434.0438 | 2470.0488 | ---        | ---     |

## Test Graphs

11B\_Ant1\_2412



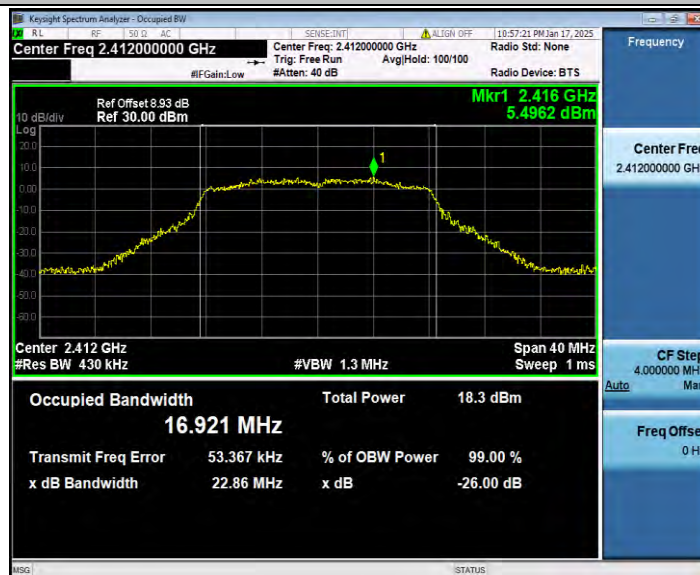
11B\_Ant1\_2437



11B\_Ant1\_2462



11G\_Ant1\_2412



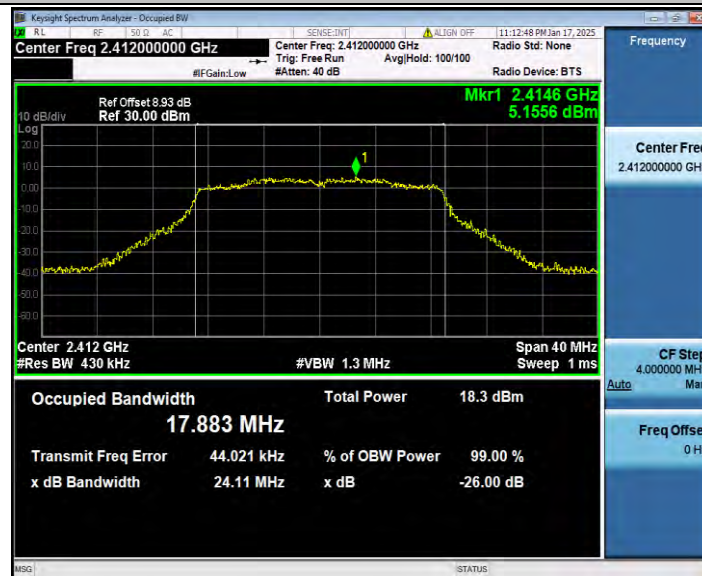
11G\_Ant1\_2437



## 11G\_Ant1\_2462



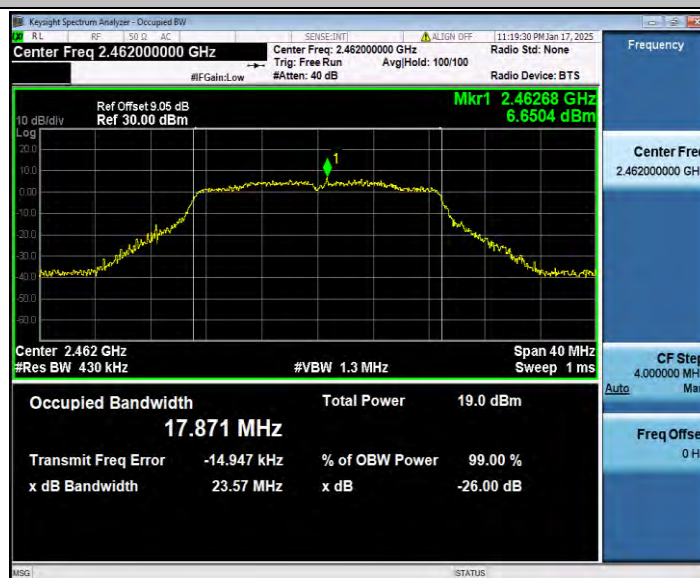
## 11N20SISO\_Ant1\_2412



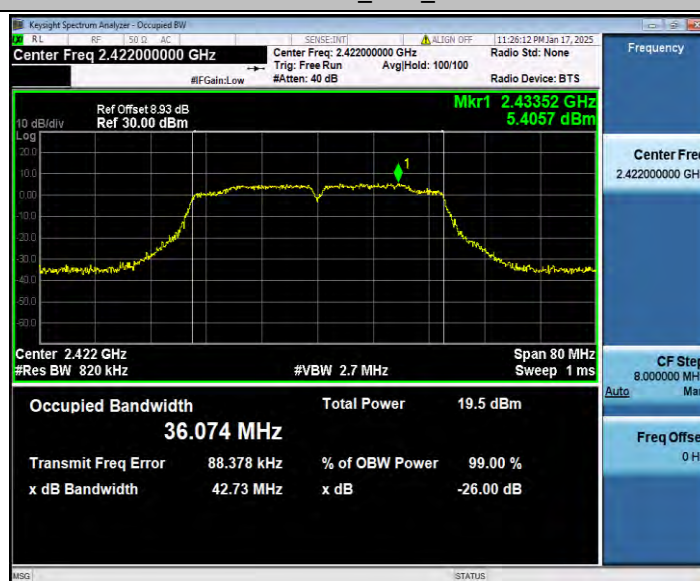
## 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



## Appendix A.3: Maximum conducted output power

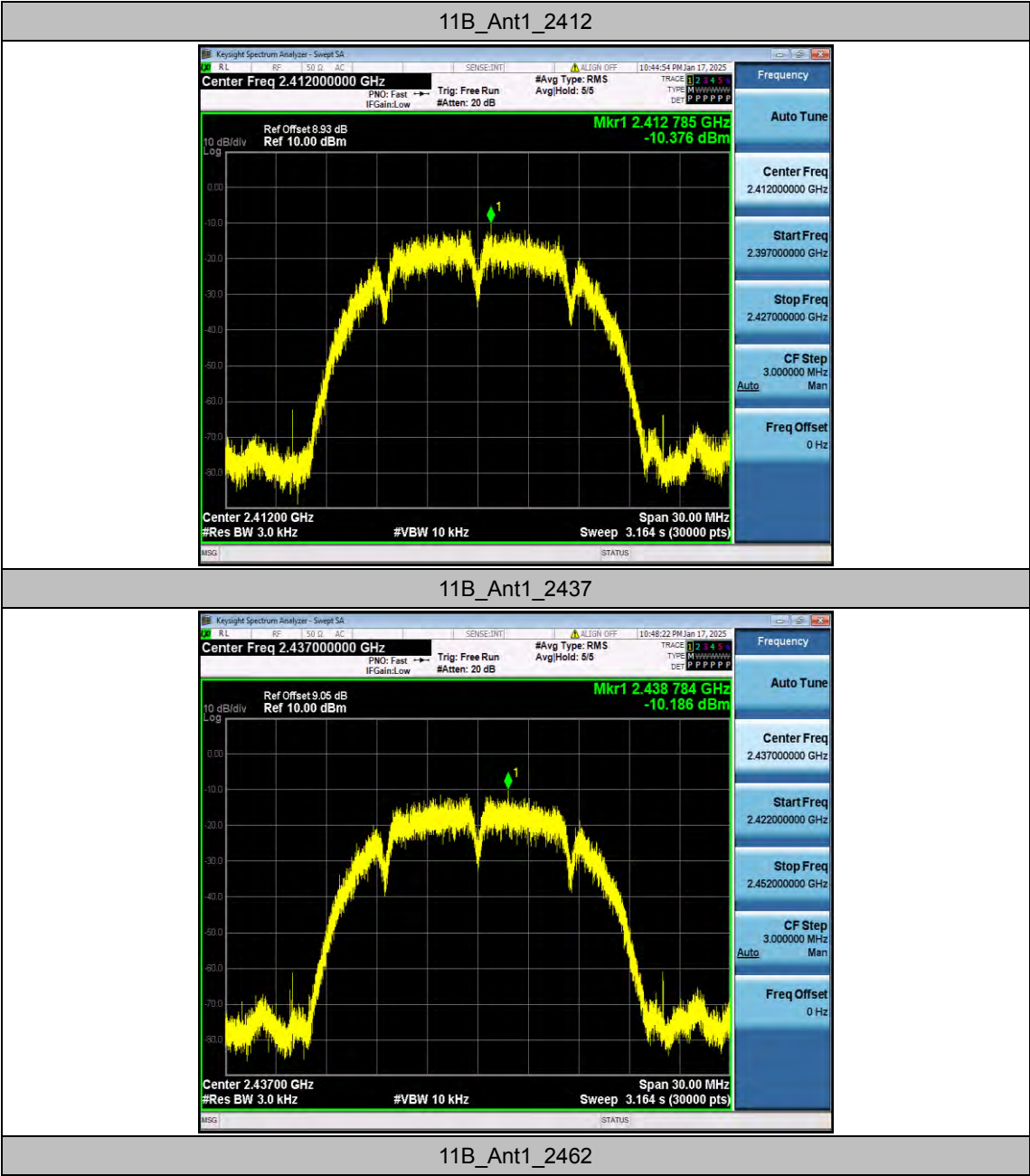
| Test Mode | Antenna | Frequency[MHz] | Peak power [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|------------------|-------------|---------|
| 11B       | Ant1    | 2412           | 15.32            | ≤30.00      | PASS    |
|           |         | 2437           | 15.87            | ≤30.00      | PASS    |
|           |         | 2462           | 16.20            | ≤30.00      | PASS    |
| 11G       | Ant1    | 2412           | 19.27            | ≤30.00      | PASS    |
|           |         | 2437           | 19.77            | ≤30.00      | PASS    |
|           |         | 2462           | 20.19            | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 2412           | 19.17            | ≤30.00      | PASS    |
|           |         | 2437           | 19.56            | ≤30.00      | PASS    |
|           |         | 2462           | 20.00            | ≤30.00      | PASS    |
| 11N40SISO | Ant1    | 2422           | 19.62            | ≤30.00      | PASS    |
|           |         | 2437           | 20.09            | ≤30.00      | PASS    |
|           |         | 2452           | 20.23            | ≤30.00      | PASS    |

## Appendix A.4: Maximum power spectral density

### Test Result

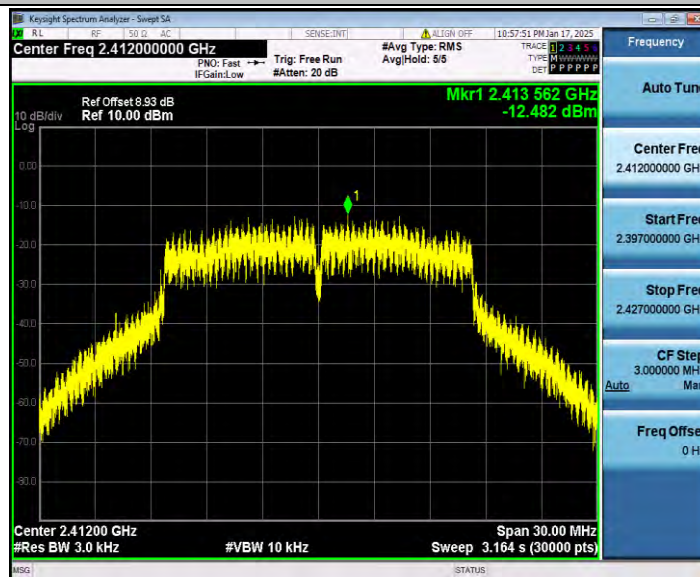
| TestMode  | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -10.38               | ≤8.00           | PASS    |
|           |         | 2437           | -10.19               | ≤8.00           | PASS    |
|           |         | 2462           | -10.33               | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -12.48               | ≤8.00           | PASS    |
|           |         | 2437           | -11.02               | ≤8.00           | PASS    |
|           |         | 2462           | -11.08               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -12.44               | ≤8.00           | PASS    |
|           |         | 2437           | -12.03               | ≤8.00           | PASS    |
|           |         | 2462           | -11.64               | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2422           | -15.50               | ≤8.00           | PASS    |
|           |         | 2437           | -15.41               | ≤8.00           | PASS    |
|           |         | 2452           | -14.54               | ≤8.00           | PASS    |

Test Graphs

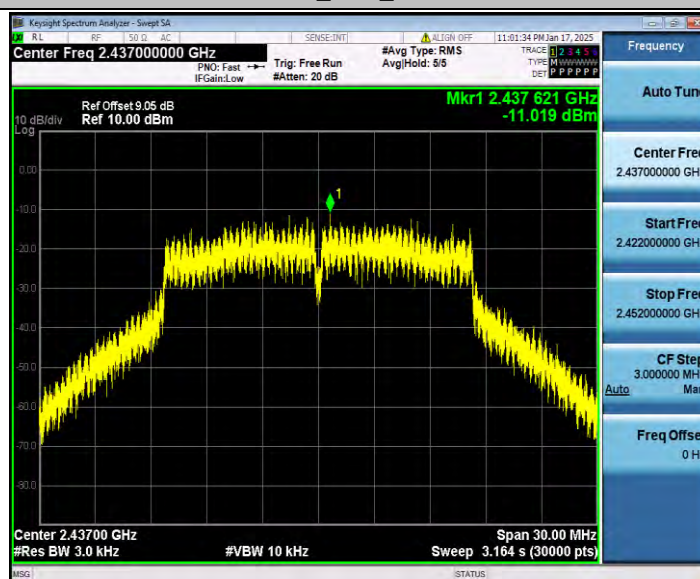




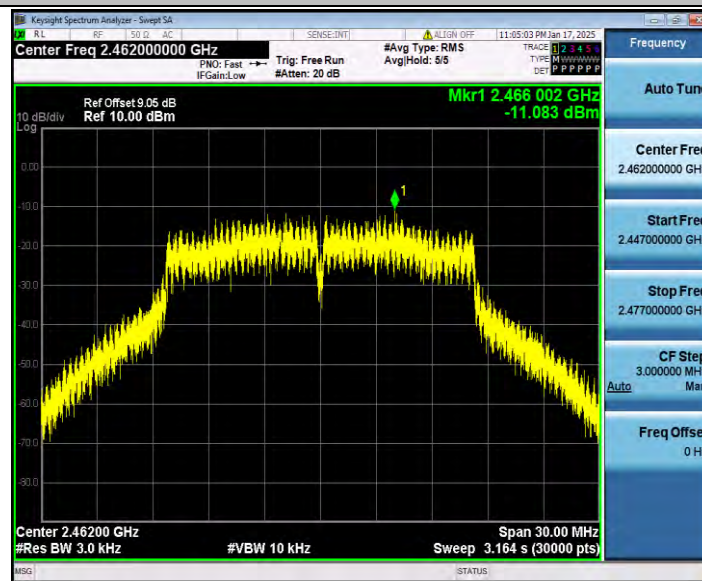
11G\_Ant1\_2412



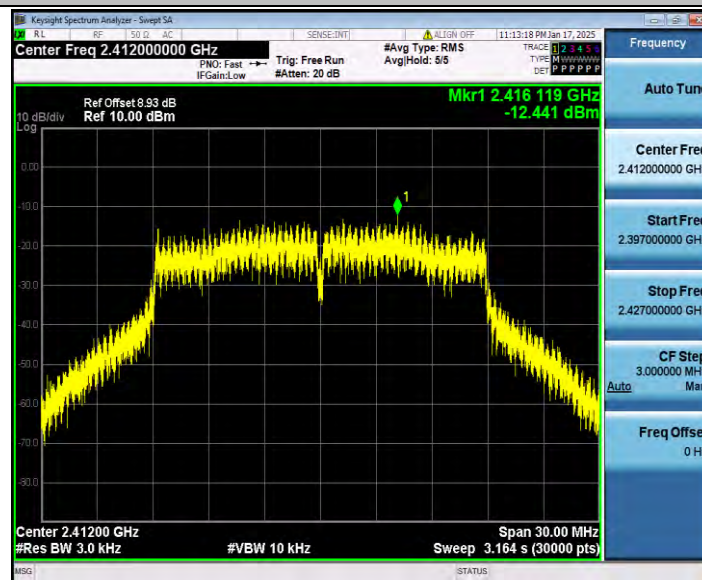
11G\_Ant1\_2437



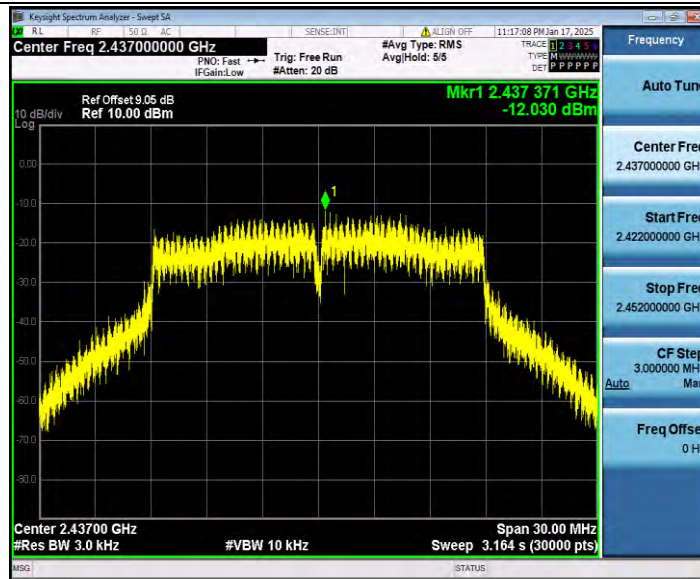
11G\_Ant1\_2462



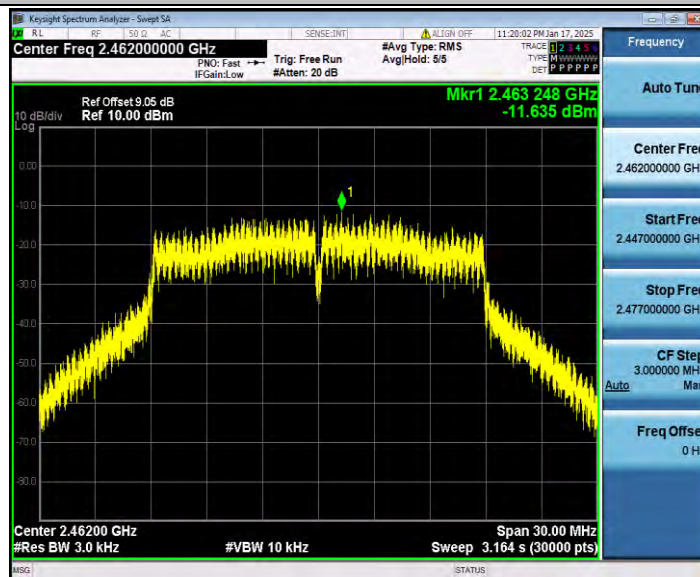
11N20SISO\_Ant1\_2412



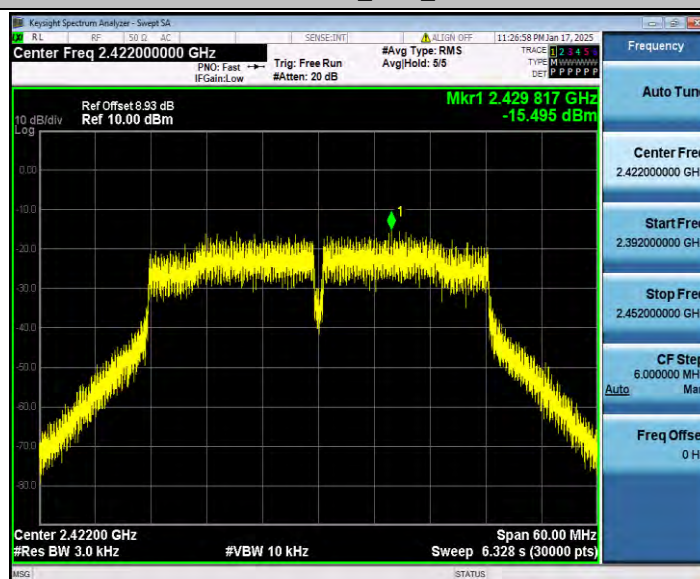
11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



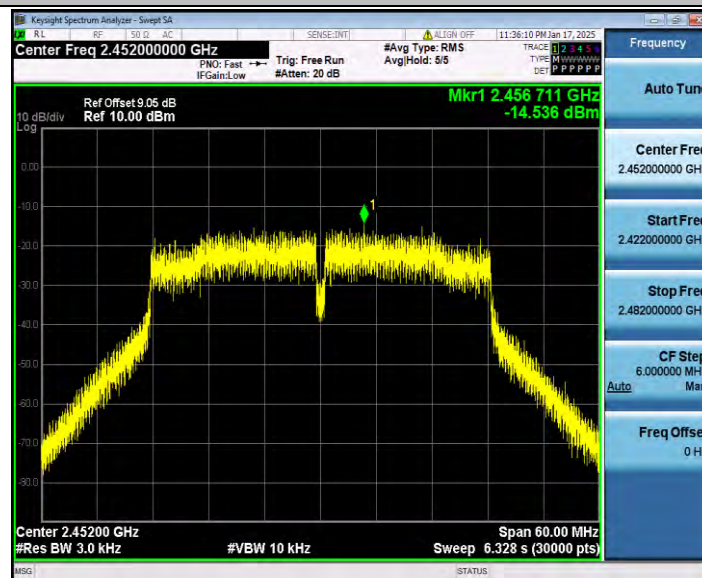
11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



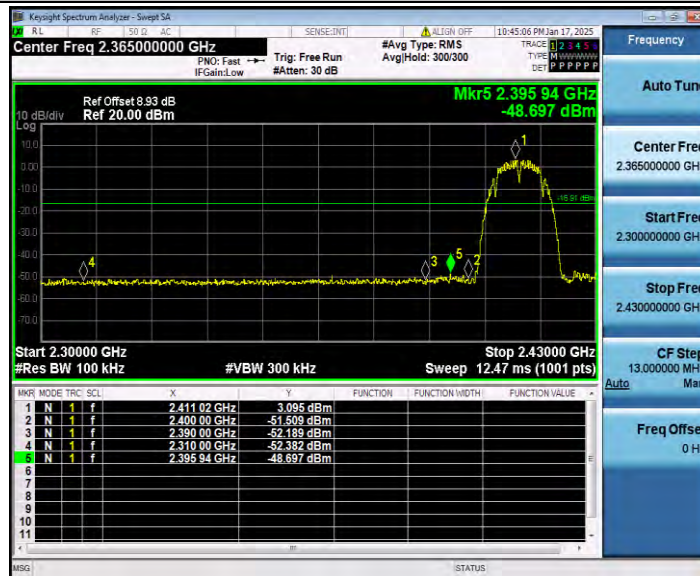
## Appendix A.5: Band edge measurements

### Test Result

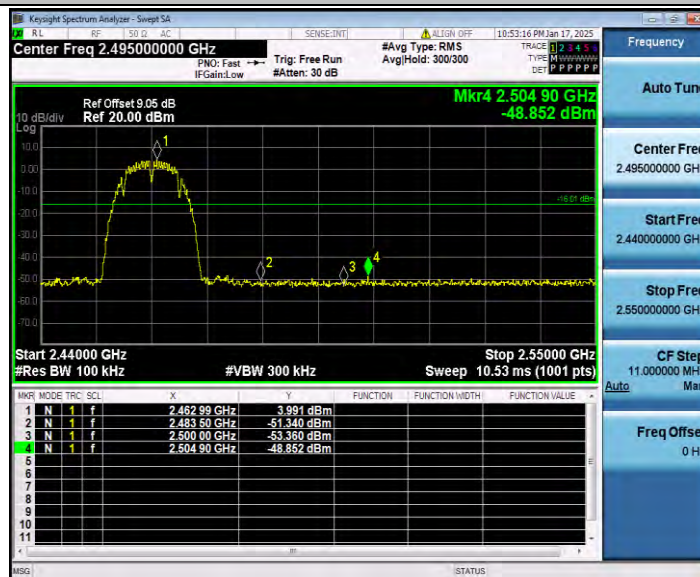
| TestMode  | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|----------------|---------------|-------------|---------------|---------|
| 11B       | Ant1    | Low    | 2412           | 3.10          | -48.7       | $\leq -16.91$ | PASS    |
|           |         | High   | 2462           | 3.99          | -48.85      | $\leq -16.01$ | PASS    |
| 11G       | Ant1    | Low    | 2412           | 2.69          | -28.73      | $\leq -17.31$ | PASS    |
|           |         | High   | 2462           | 3.62          | -48.12      | $\leq -16.38$ | PASS    |
| 11N20SISO | Ant1    | Low    | 2412           | 2.32          | -28.41      | $\leq -17.68$ | PASS    |
|           |         | High   | 2462           | 3.40          | -48.7       | $\leq -16.61$ | PASS    |
| 11N40SISO | Ant1    | Low    | 2422           | -1.27         | -31.27      | $\leq -21.27$ | PASS    |
|           |         | High   | 2452           | -0.27         | -48.65      | $\leq -20.27$ | PASS    |

## Test Graphs

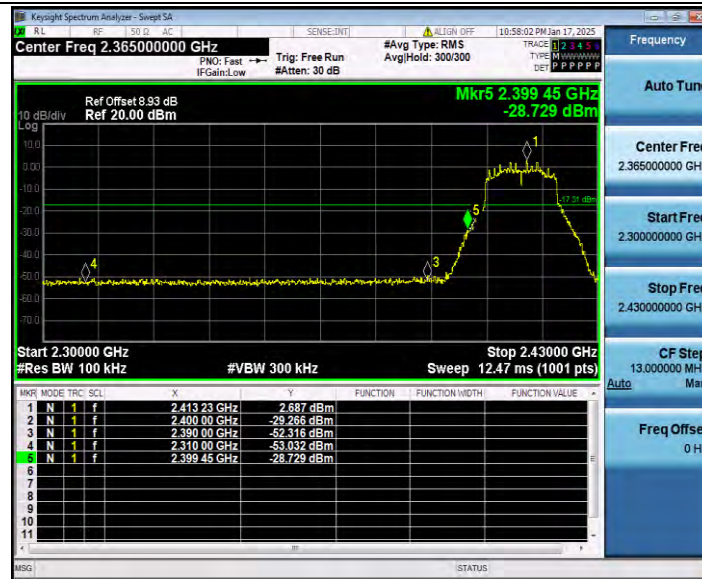
11B\_Ant1\_Low\_2412



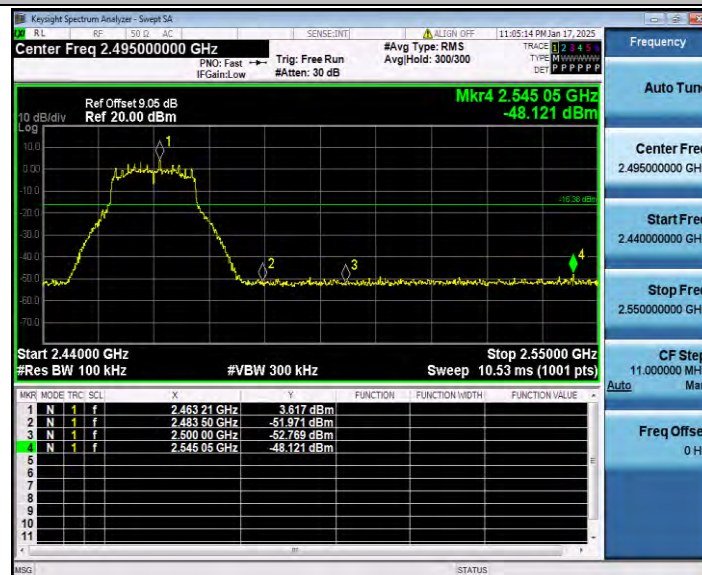
11B\_Ant1\_High\_2462



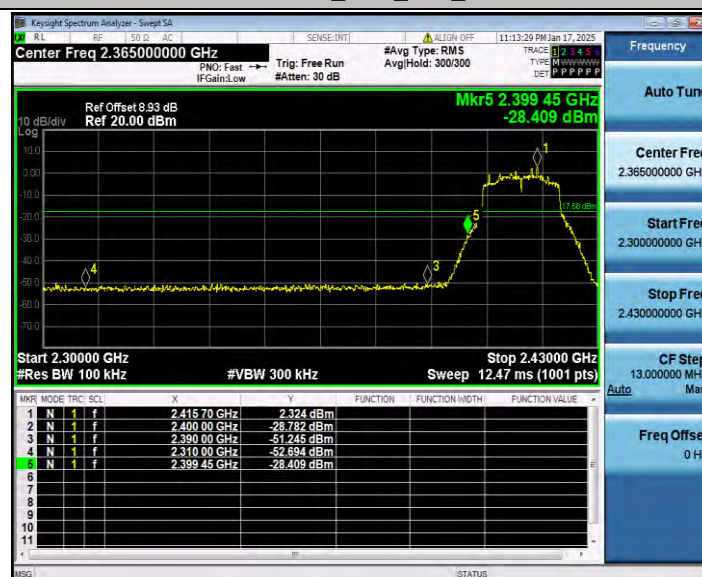
11G\_Ant1\_Low\_2412



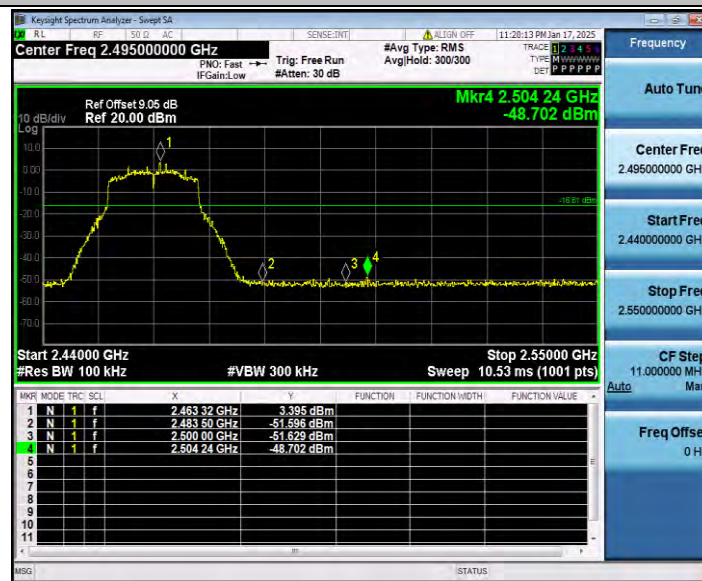
11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



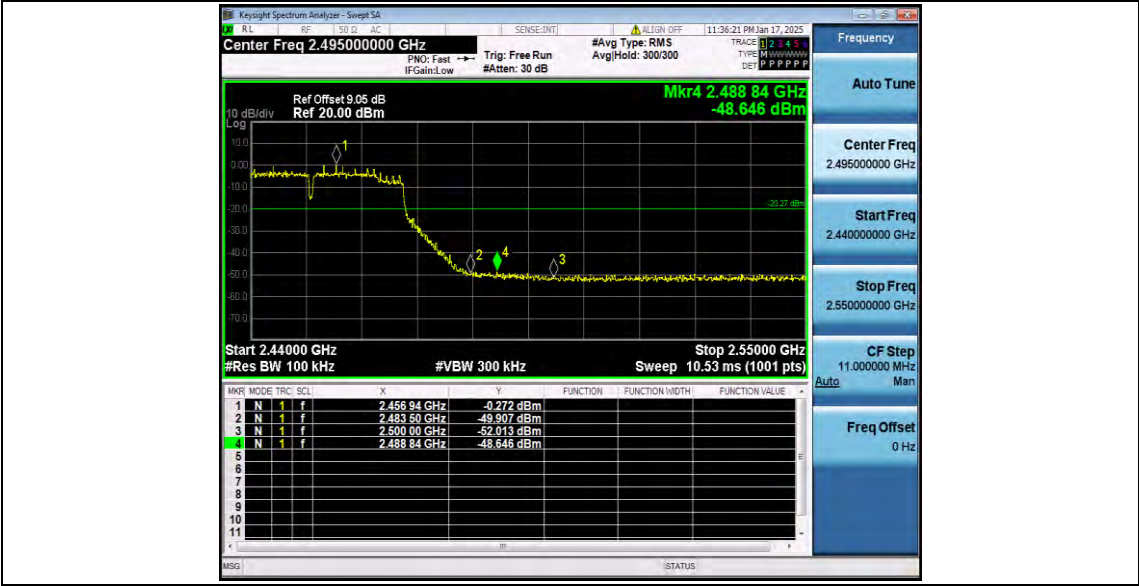
## 11N20SISO\_Ant1\_High\_2462



## 11N40SISO\_Ant1\_Low\_2422



## 11N40SISO\_Ant1\_High\_2452

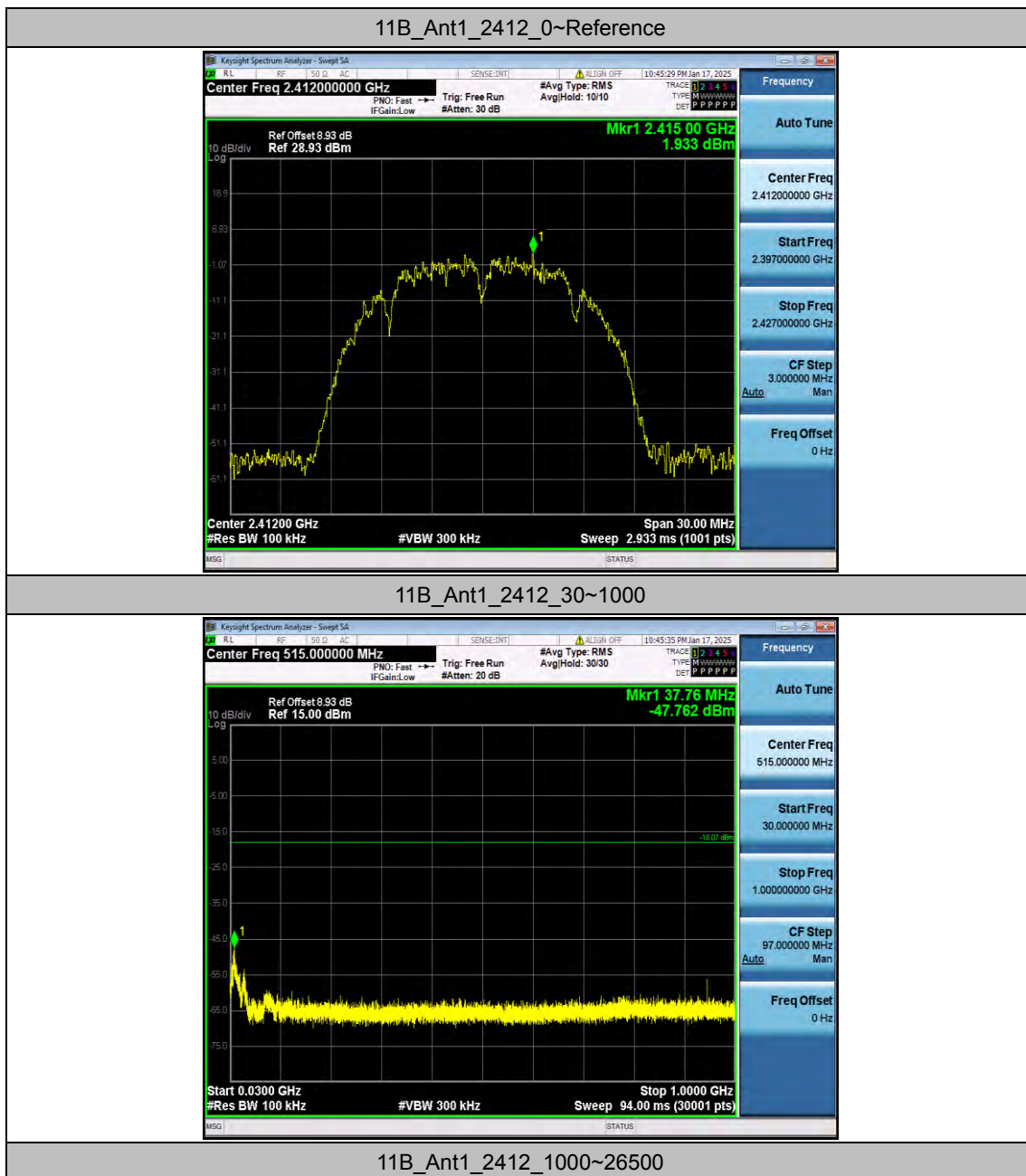


## Appendix A.6: Conducted Spurious Emission

### Test Result

| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| 11B       | Ant1    | 2412           | Reference       | 1.93           | 1.93         | ---           | PASS    |
|           |         |                | 30~1000         | 1.93           | -47.76       | $\leq -18.07$ | PASS    |
|           |         |                | 1000~26500      | 1.93           | -47.62       | $\leq -18.07$ | PASS    |
|           |         | 2437           | Reference       | 2.67           | 2.67         | ---           | PASS    |
|           |         |                | 30~1000         | 2.67           | -46.68       | $\leq -17.33$ | PASS    |
|           |         |                | 1000~26500      | 2.67           | -47.97       | $\leq -17.33$ | PASS    |
|           |         | 2462           | Reference       | 2.75           | 2.75         | ---           | PASS    |
|           |         |                | 30~1000         | 2.75           | -53.51       | $\leq -17.25$ | PASS    |
|           |         |                | 1000~26500      | 2.75           | -47.87       | $\leq -17.25$ | PASS    |
| 11G       | Ant1    | 2412           | Reference       | 1.90           | 1.90         | ---           | PASS    |
|           |         |                | 30~1000         | 1.90           | -52.03       | $\leq -18.1$  | PASS    |
|           |         |                | 1000~26500      | 1.90           | -47.76       | $\leq -18.1$  | PASS    |
|           |         | 2437           | Reference       | -1.00          | -1.00        | ---           | PASS    |
|           |         |                | 30~1000         | -1.00          | -52.57       | $\leq -21$    | PASS    |
|           |         |                | 1000~26500      | -1.00          | -47.78       | $\leq -21$    | PASS    |
|           |         | 2462           | Reference       | -0.16          | -0.16        | ---           | PASS    |
|           |         |                | 30~1000         | -0.16          | -51          | $\leq -20.16$ | PASS    |
|           |         |                | 1000~26500      | -0.16          | -47.74       | $\leq -20.16$ | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | -0.77          | -0.77        | ---           | PASS    |
|           |         |                | 30~1000         | -0.77          | -52.63       | $\leq -20.77$ | PASS    |
|           |         |                | 1000~26500      | -0.77          | -48.03       | $\leq -20.77$ | PASS    |
|           |         | 2437           | Reference       | 2.11           | 2.11         | ---           | PASS    |
|           |         |                | 30~1000         | 2.11           | -52.44       | $\leq -17.89$ | PASS    |
|           |         |                | 1000~26500      | 2.11           | -47.13       | $\leq -17.89$ | PASS    |
|           |         | 2462           | Reference       | -1.72          | -1.72        | ---           | PASS    |
|           |         |                | 30~1000         | -1.72          | -42.04       | $\leq -21.72$ | PASS    |
|           |         |                | 1000~26500      | -1.72          | -47.75       | $\leq -21.72$ | PASS    |
| 11N40SISO | Ant1    | 2422           | Reference       | -2.49          | -2.49        | ---           | PASS    |
|           |         |                | 30~1000         | -2.49          | -51.61       | $\leq -22.49$ | PASS    |
|           |         |                | 1000~26500      | -2.49          | -48.17       | $\leq -22.49$ | PASS    |
|           |         | 2437           | Reference       | -3.57          | -3.57        | ---           | PASS    |
|           |         |                | 30~1000         | -3.57          | -51.77       | $\leq -23.57$ | PASS    |
|           |         |                | 1000~26500      | -3.57          | -48.11       | $\leq -23.57$ | PASS    |
|           |         | 2452           | Reference       | -1.09          | -1.09        | ---           | PASS    |
|           |         |                | 30~1000         | -1.09          | -50.92       | $\leq -21.09$ | PASS    |
|           |         |                | 1000~26500      | -1.09          | -47.61       | $\leq -21.09$ | PASS    |

## Test Graphs

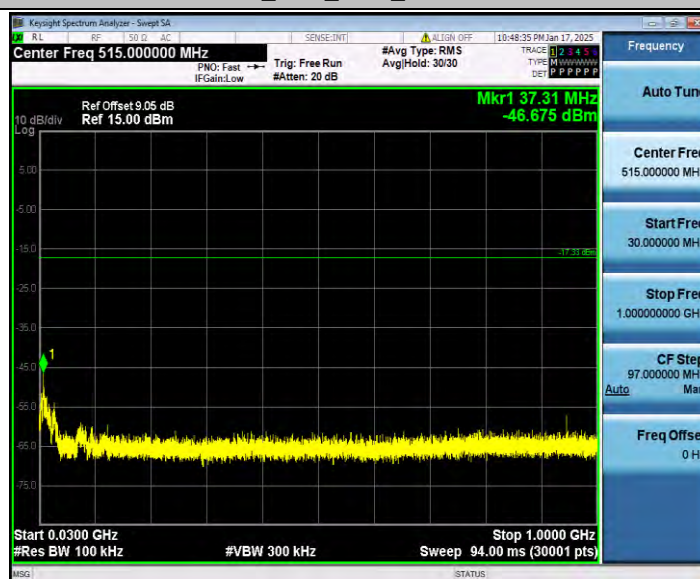




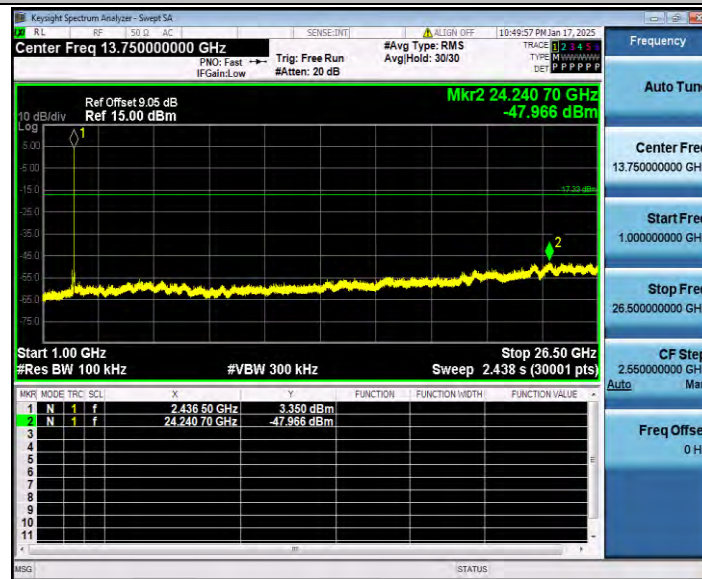
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



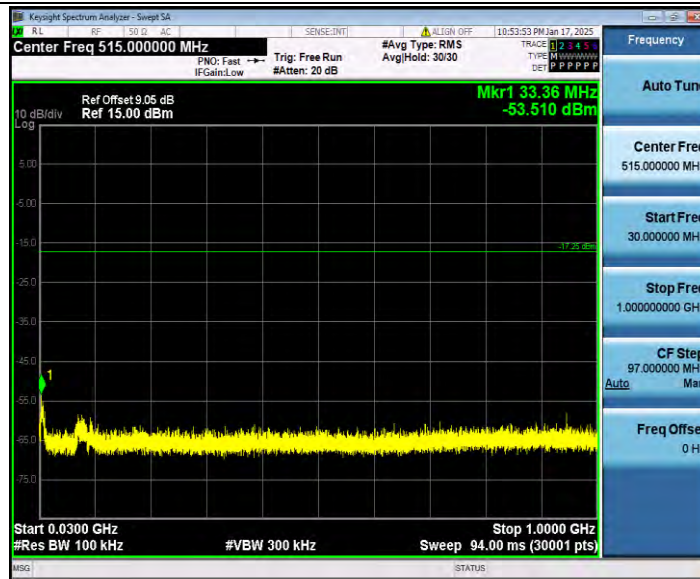
## 11B\_Ant1\_2437\_1000~26500



## 11B\_Ant1\_2462\_0~Reference



## 11B\_Ant1\_2462\_30~1000

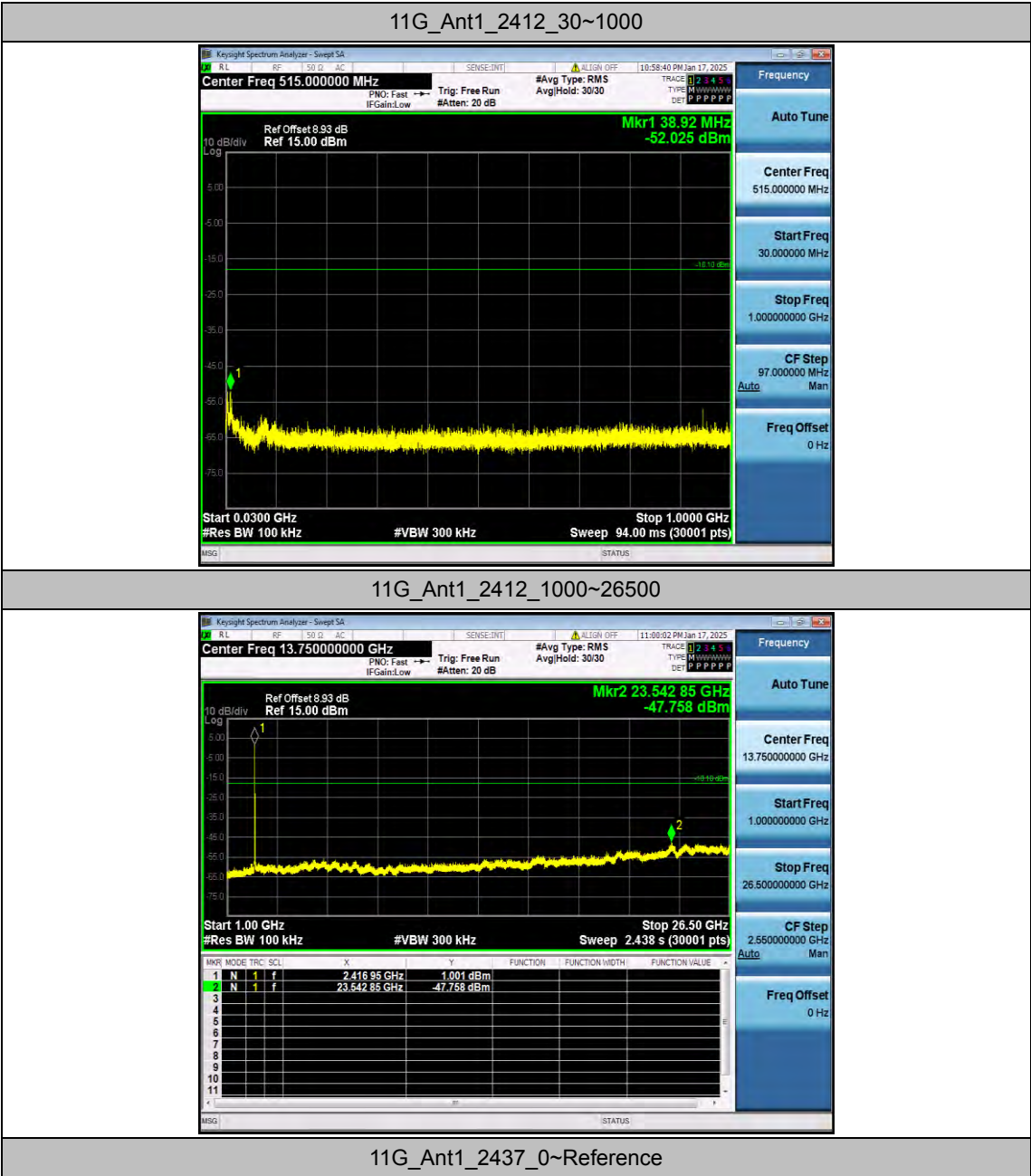


11B\_Ant1\_2462\_1000~26500



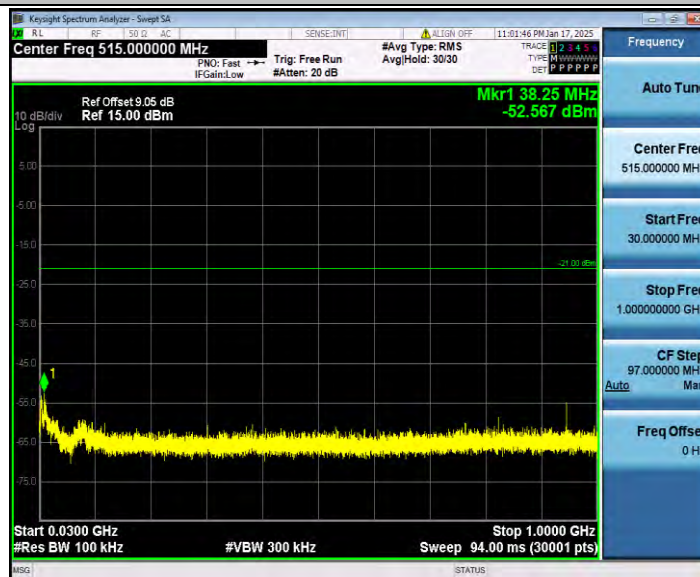
11G\_Ant1\_2412\_0~Reference







11G\_Ant1\_2437\_30~1000



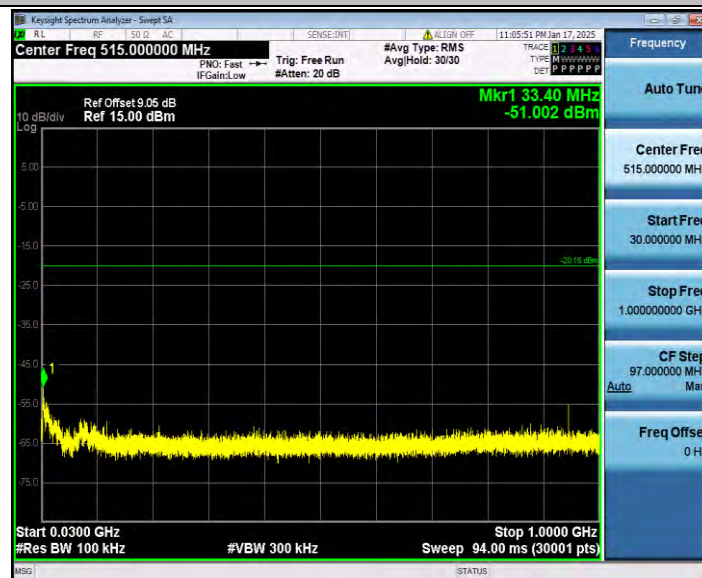
11G\_Ant1\_2437\_1000~26500



## 11G\_Ant1\_2462\_0~Reference



## 11G\_Ant1\_2462\_30~1000



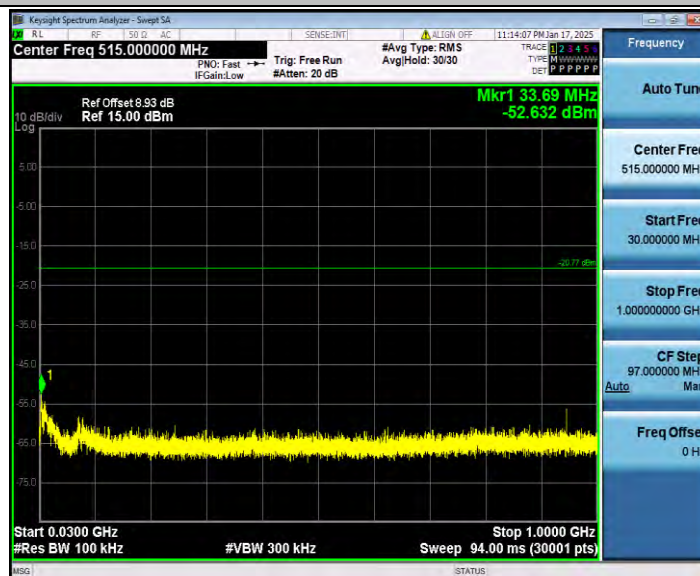
## 11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000



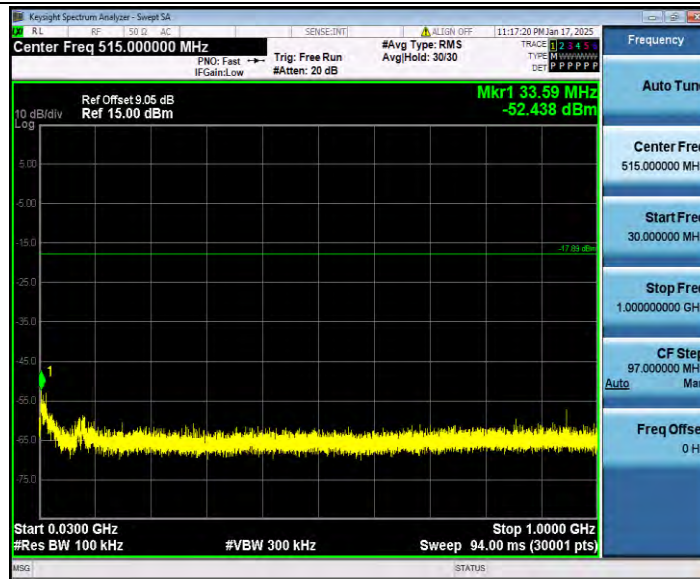
## 11N20SISO\_Ant1\_2412\_1000~26500



## 11N20SISO\_Ant1\_2437\_0~Reference



## 11N20SISO\_Ant1\_2437\_30~1000



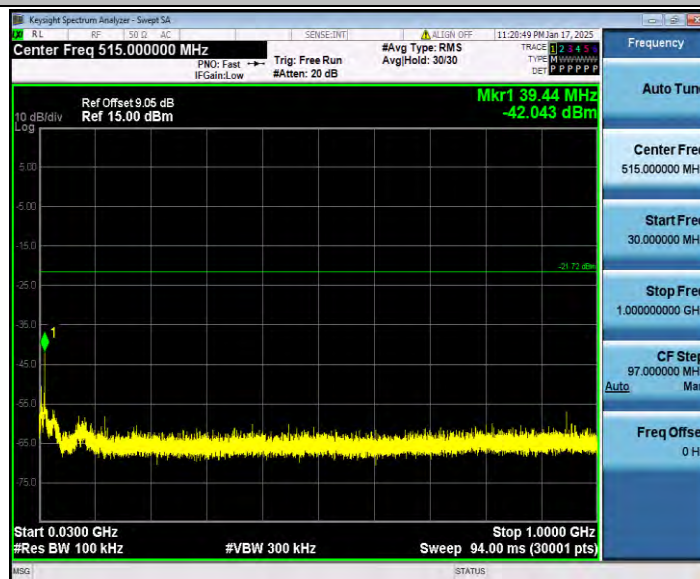
11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference



## 11N20SISO\_Ant1\_2462\_30~1000



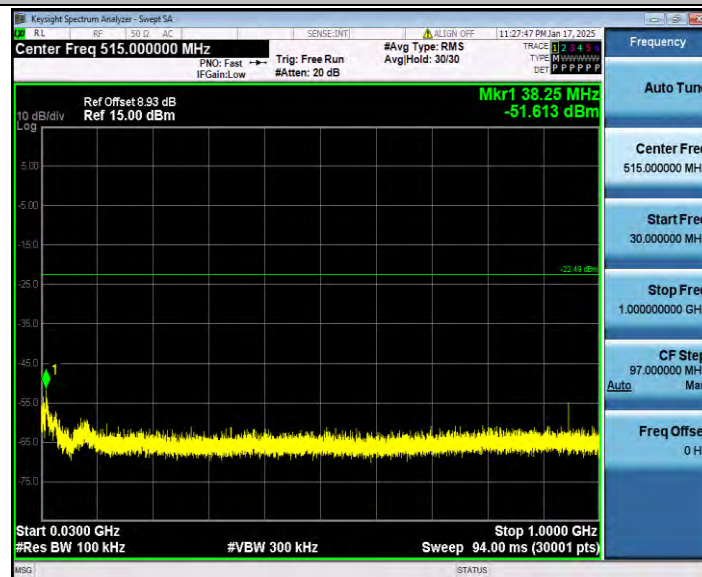
## 11N20SISO\_Ant1\_2462\_1000~26500



## 11N40SISO\_Ant1\_2422\_0~Reference



11N40SISO\_Ant1\_2422\_30~1000



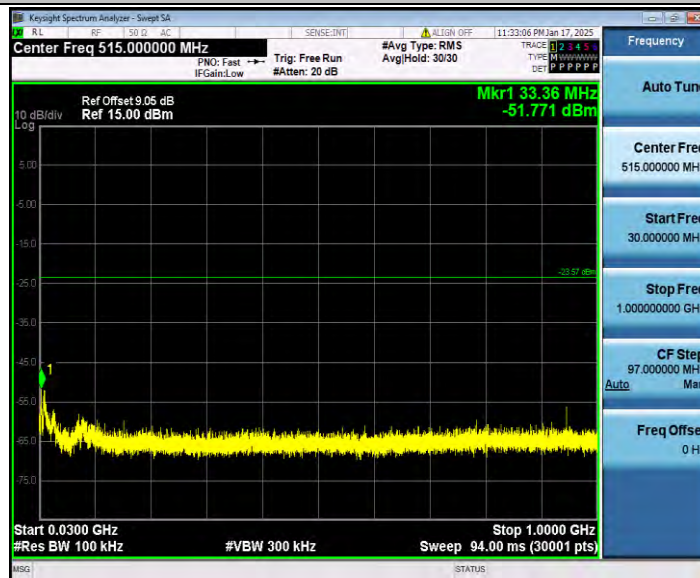
11N40SISO\_Ant1\_2422\_1000~26500



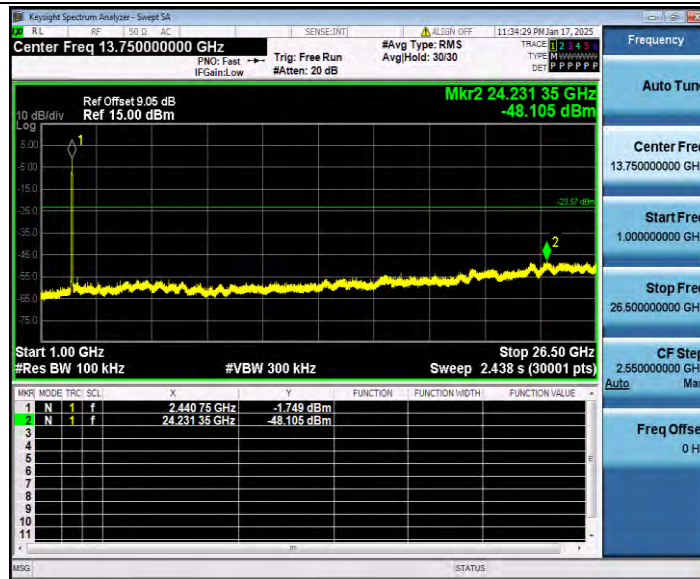
## 11N40SISO\_Ant1\_2437\_0~Reference



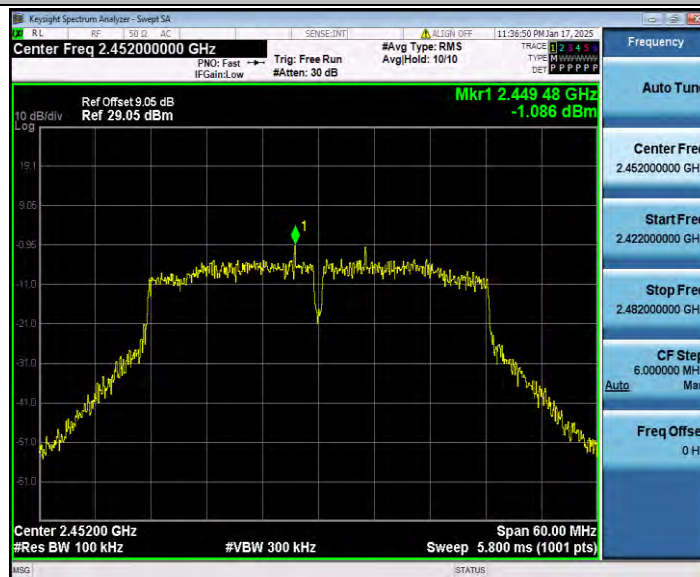
## 11N40SISO\_Ant1\_2437\_30~1000



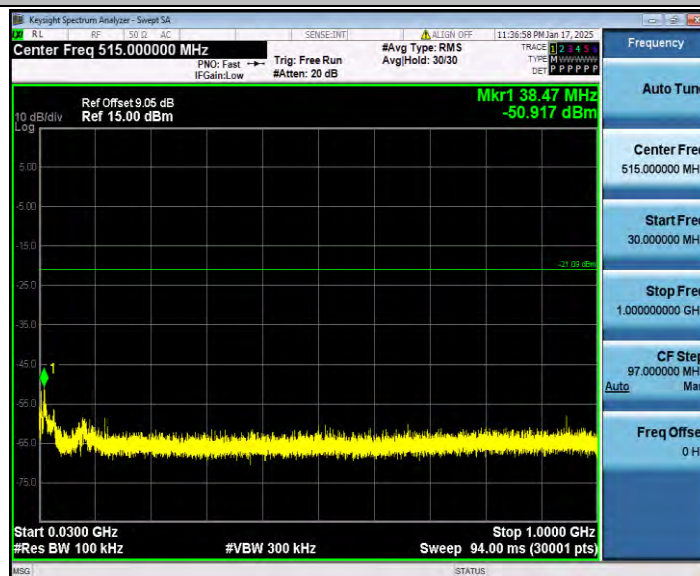
## 11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference



11N40SISO\_Ant1\_2452\_30~1000





## Appendix A.7: Emissions in Restricted Bands

### Test Result

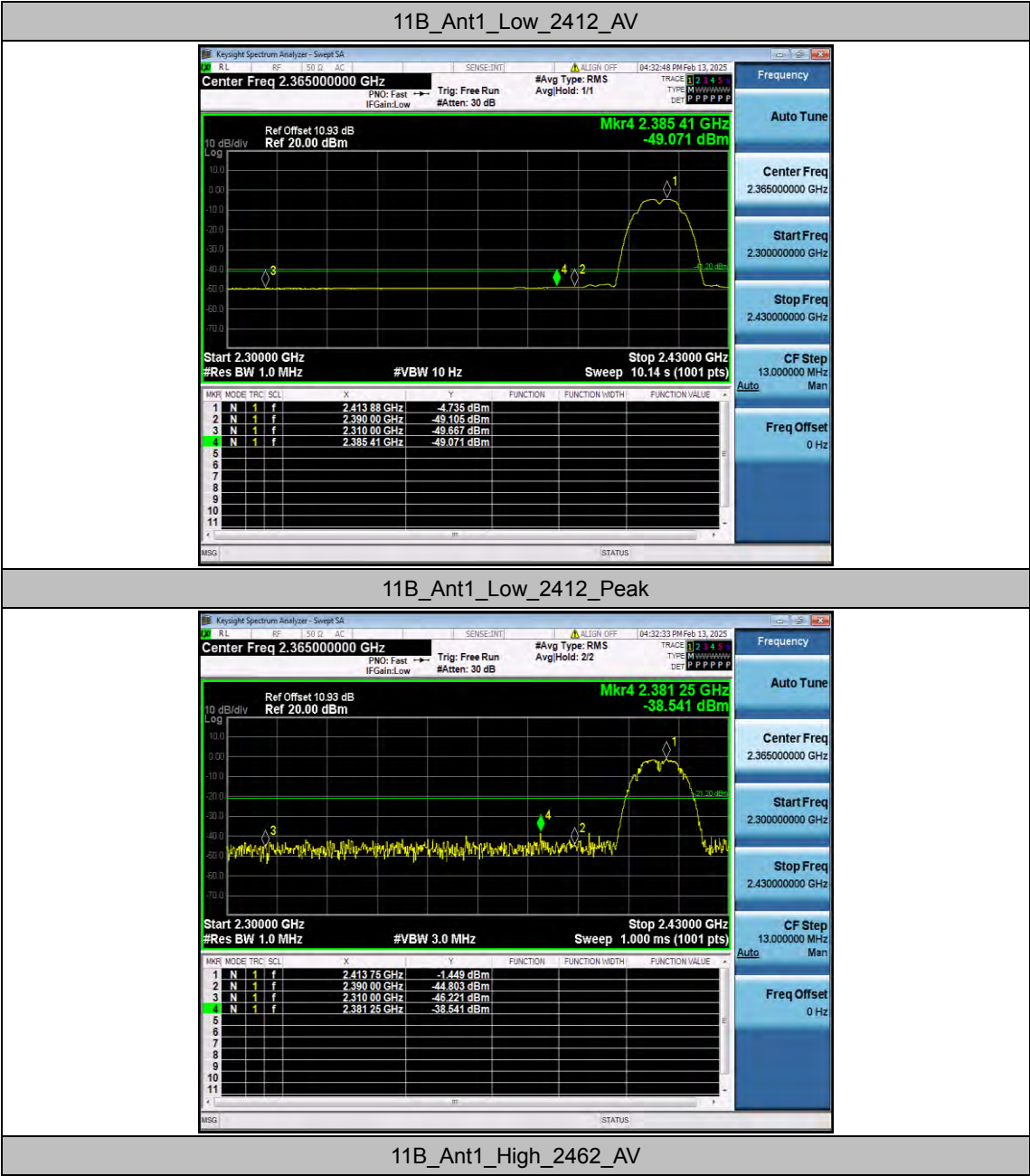
| TestMode      | Antenna | ChName | Frequenc<br>y[MHz] | Detector | Freq<br>[MHz] | Result<br>[dBm] | Limit<br>[dBm] | Result<br>[dBuV/m] | Limit<br>[dBuV/m] | Verdict |
|---------------|---------|--------|--------------------|----------|---------------|-----------------|----------------|--------------------|-------------------|---------|
| 11B           | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.67          | ≤-41.20        | 45.53              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2385.410      | -49.07          | ≤-41.20        | 46.13              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -49.11          | ≤-41.20        | 46.09              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -46.22          | ≤-21.20        | 48.98              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2381.250      | -38.54          | ≤-21.20        | 56.66              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -44.8           | ≤-21.20        | 50.40              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -48.86          | ≤-41.20        | 46.34              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2484.330      | -48.61          | ≤-41.20        | 46.59              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.95          | ≤-41.20        | 46.25              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -45.51          | ≤-21.20        | 49.69              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2485.430      | -39.47          | ≤-21.20        | 55.73              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -44.17          | ≤-21.20        | 51.03              | ≤74               | PASS    |
| 11G           | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.7           | ≤-41.20        | 45.50              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.960      | -48.89          | ≤-41.20        | 46.31              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -48.89          | ≤-41.20        | 46.31              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -48.83          | ≤-21.20        | 46.37              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2389.310      | -41.39          | ≤-21.20        | 53.81              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -47.21          | ≤-21.20        | 47.99              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -48.83          | ≤-41.20        | 46.37              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -48.85          | ≤-41.20        | 46.35              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.96          | ≤-41.20        | 46.24              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -42.87          | ≤-21.20        | 52.33              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2488.620      | -40.8           | ≤-21.20        | 54.40              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -47.17          | ≤-21.20        | 48.03              | ≤74               | PASS    |
| 11N20SIS<br>O | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.73          | ≤-41.20        | 45.47              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.700      | -48.76          | ≤-41.20        | 46.44              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -48.78          | ≤-41.20        | 46.42              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -43.55          | ≤-21.20        | 51.65              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2329.250      | -41.36          | ≤-21.20        | 53.84              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -42.65          | ≤-21.20        | 52.55              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -48.69          | ≤-41.20        | 46.51              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.670      | -48.7           | ≤-41.20        | 46.50              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.93          | ≤-41.20        | 46.27              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -40.39          | ≤-21.20        | 54.81              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2493.680      | -41.65          | ≤-21.20        | 53.55              | ≤74               | PASS    |

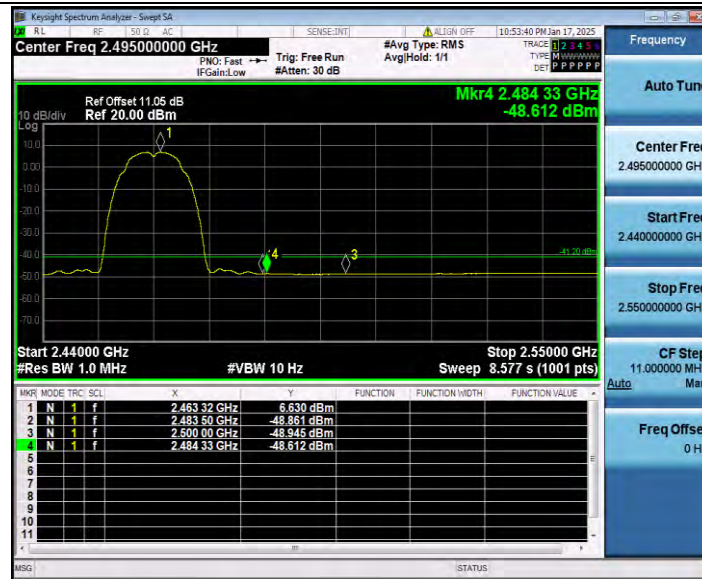
|               |      |      |      |      |          |        |               |       |           |      |
|---------------|------|------|------|------|----------|--------|---------------|-------|-----------|------|
|               |      |      |      | Peak | 2500.000 | -44.02 | $\leq -21.20$ | 51.18 | $\leq 74$ | PASS |
| 11N40SIS<br>O | Ant1 | Low  | 2422 | AV   | 2310.000 | -49.71 | $\leq -41.20$ | 45.49 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2389.960 | -47.38 | $\leq -41.20$ | 47.82 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2390.000 | -47.38 | $\leq -41.20$ | 47.82 | $\leq 54$ | PASS |
|               |      |      |      | Peak | 2310.000 | -52.55 | $\leq -21.20$ | 42.65 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2385.540 | -39.2  | $\leq -21.20$ | 56.00 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2390.000 | -46.83 | $\leq -21.20$ | 48.37 | $\leq 74$ | PASS |
|               |      | High | 2452 | AV   | 2483.500 | -46.16 | $\leq -41.20$ | 49.04 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2483.560 | -46.2  | $\leq -41.20$ | 49.00 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2500.000 | -48.58 | $\leq -41.20$ | 46.62 | $\leq 54$ | PASS |
|               |      |      |      | Peak | 2483.500 | -42.55 | $\leq -21.20$ | 52.65 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2484.770 | -39.33 | $\leq -21.20$ | 55.87 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2500.000 | -43.56 | $\leq -21.20$ | 51.64 | $\leq 74$ | PASS |

## Note:

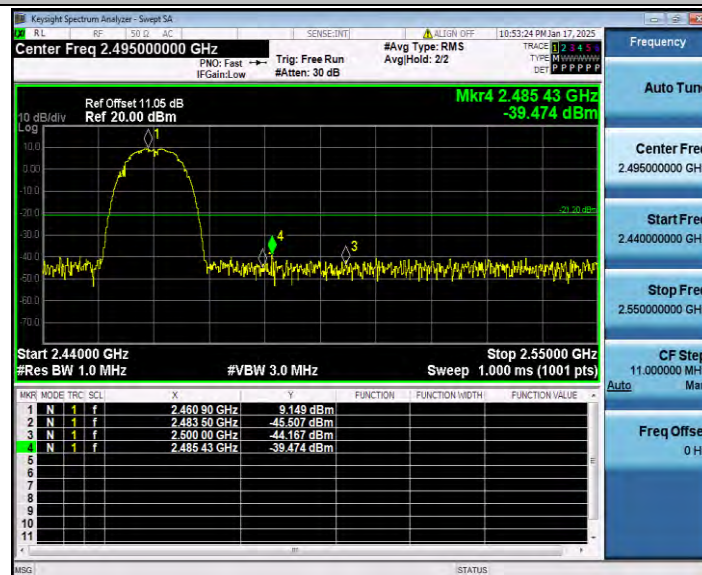
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





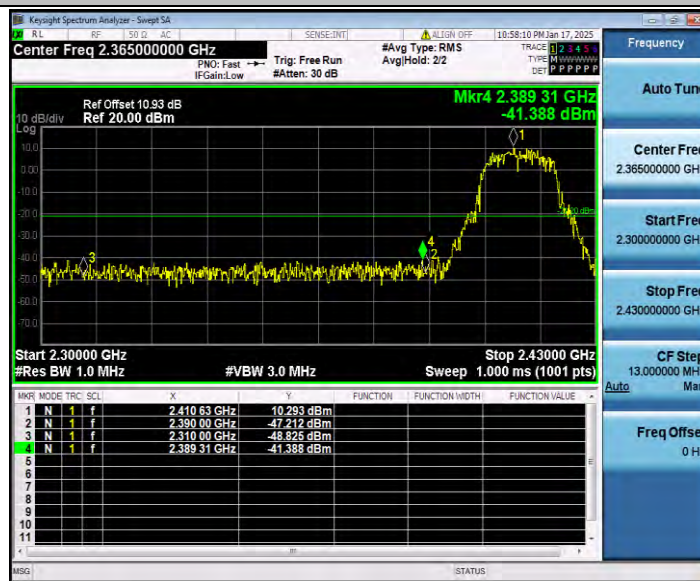
11B\_Ant1\_High\_2462\_Peak



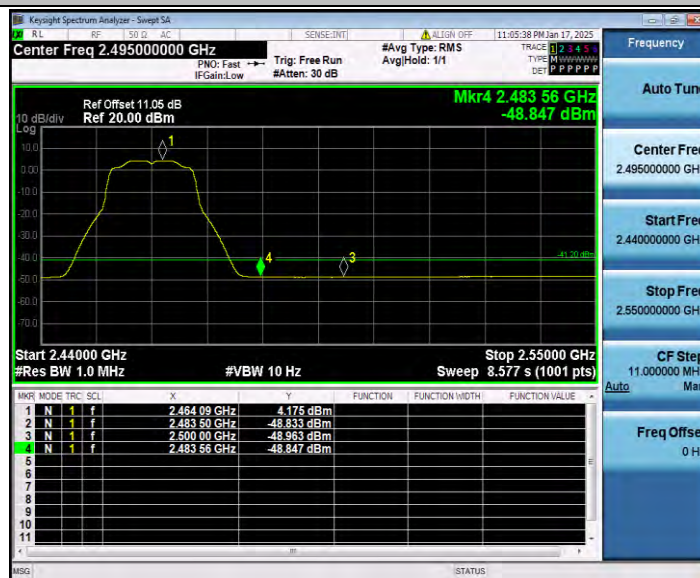
11G\_Ant1\_Low\_2412\_AV



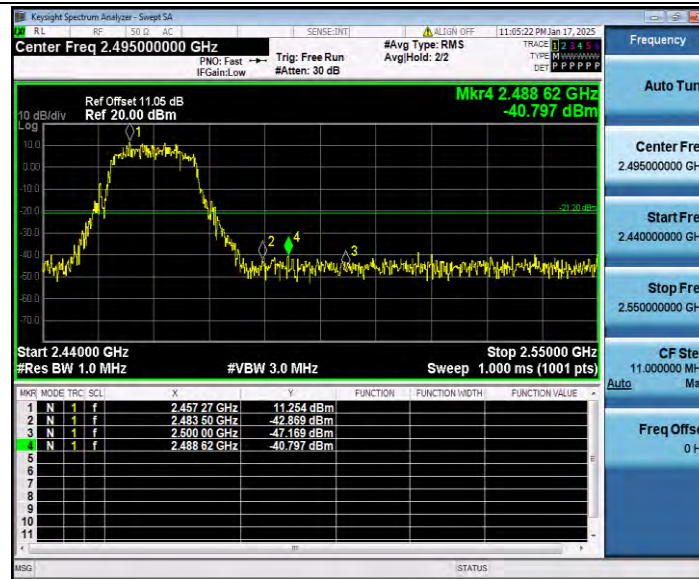
## 11G\_Ant1\_Low\_2412\_Peak



## 11G\_Ant1\_High\_2462\_AV



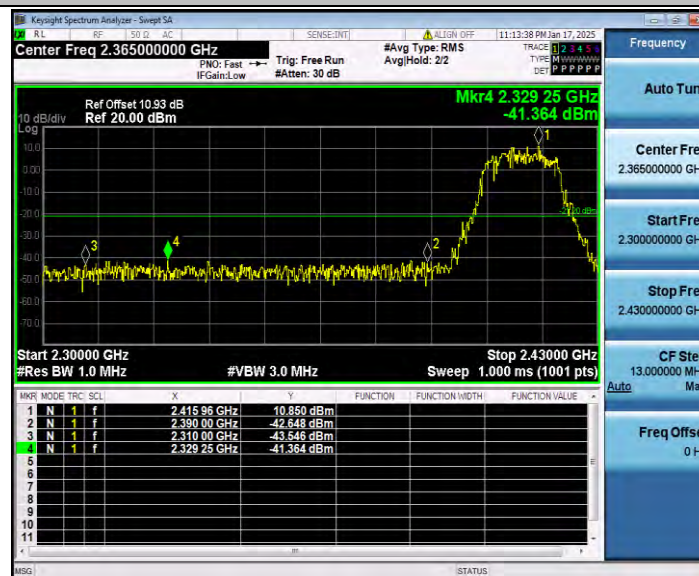
## 11G\_Ant1\_High\_2462\_Peak



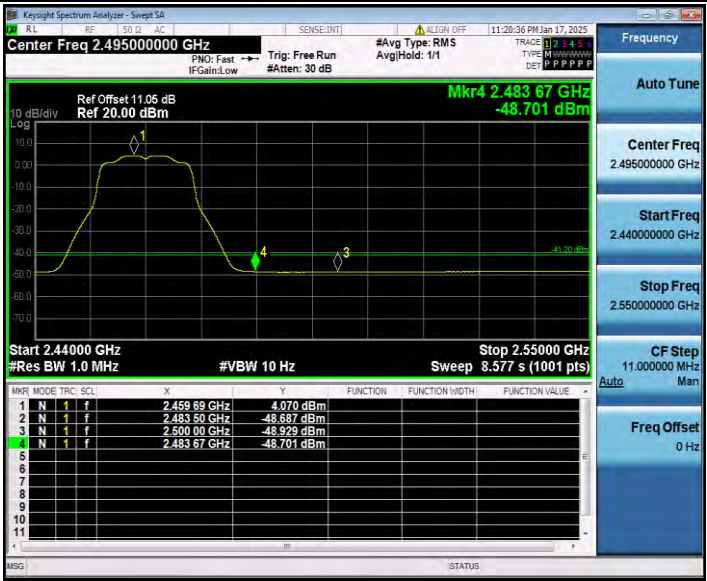
11N20SISO\_Ant1\_Low\_2412\_AV



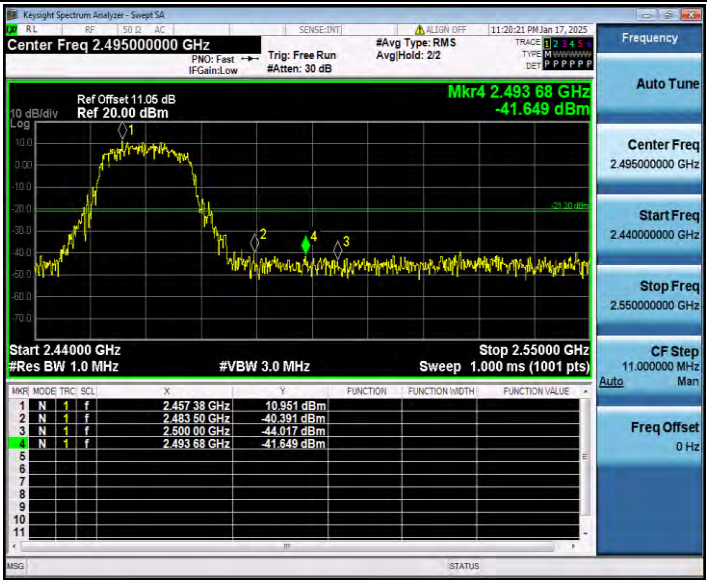
11N20SISO\_Ant1\_Low\_2412\_Peak



11N20SISO\_Ant1\_High\_2462\_AV



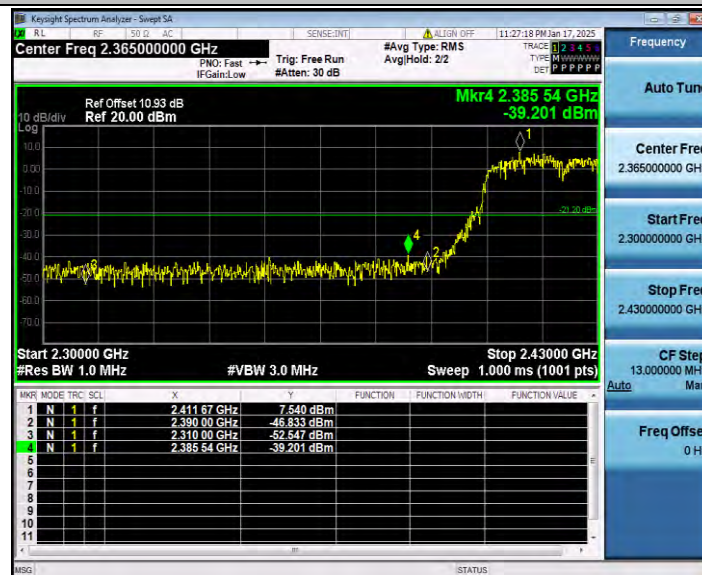
11N20SISO\_Ant1\_High\_2462\_Peak



11N40SISO\_Ant1\_Low\_2422\_AV



11N40SISO\_Ant1\_Low\_2422\_Peak



11N40SISO\_Ant1\_High\_2452\_AV



11N40SISO\_Ant1\_High\_2452\_Peak

