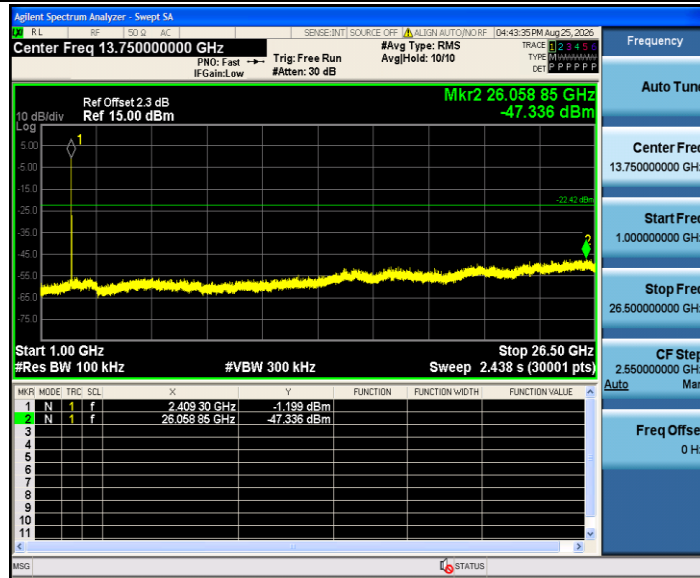


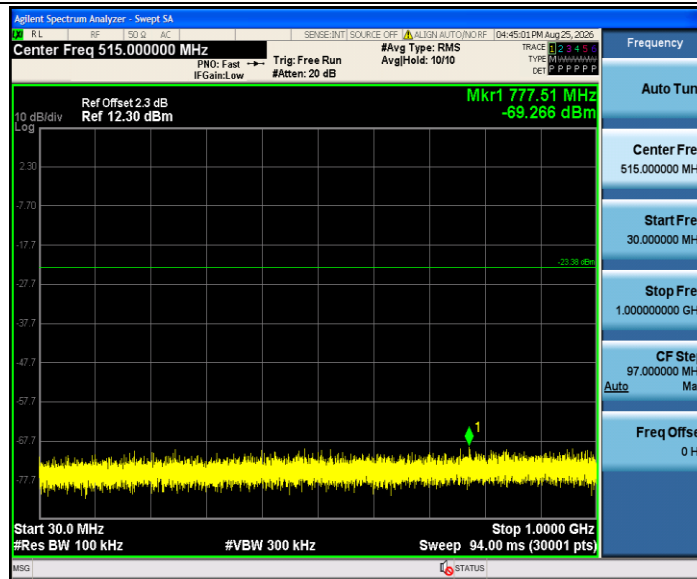
# 11N20SISO\_Ant1\_2412\_1000~26500



# 11N20SISO\_Ant1\_2437\_0~Reference



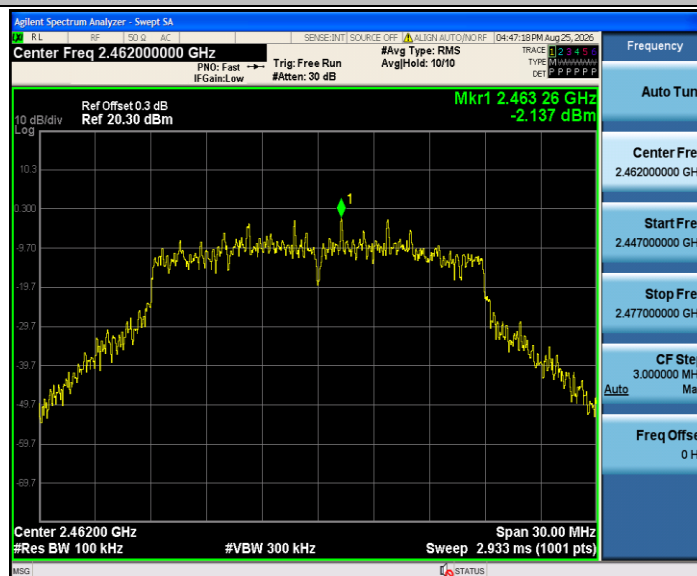
# 11N20SISO\_Ant1\_2437\_30~1000



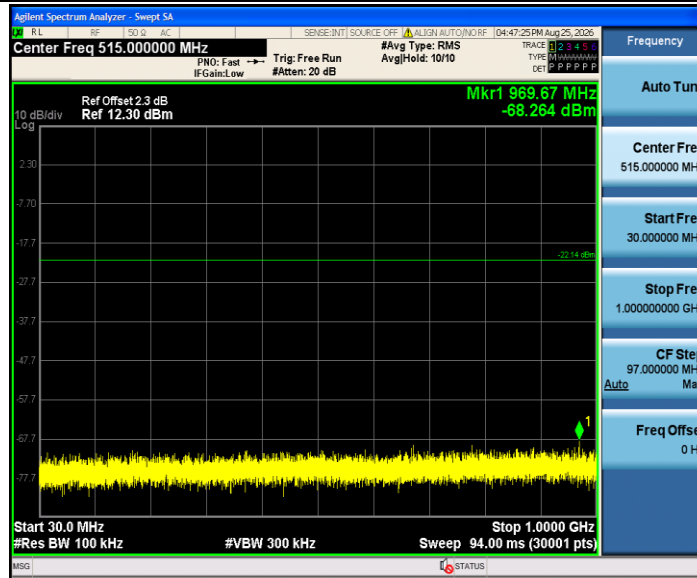
11N20SISO\_Ant1\_2437\_1000~26500



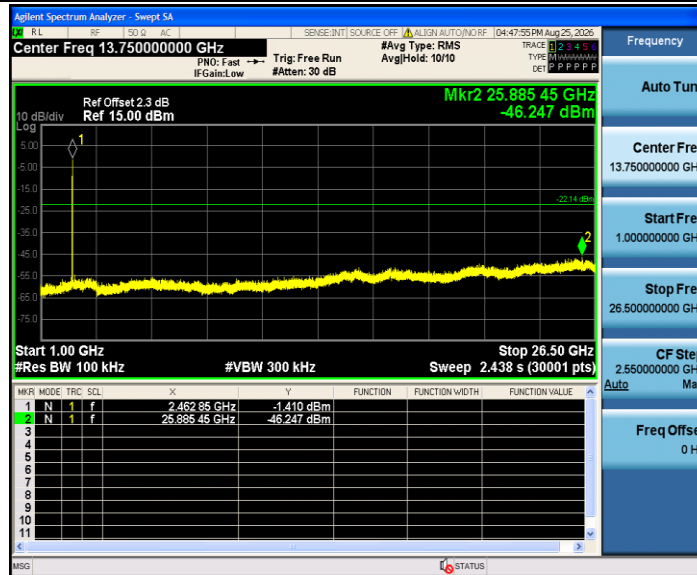
11N20SISO\_Ant1\_2462\_0~Reference



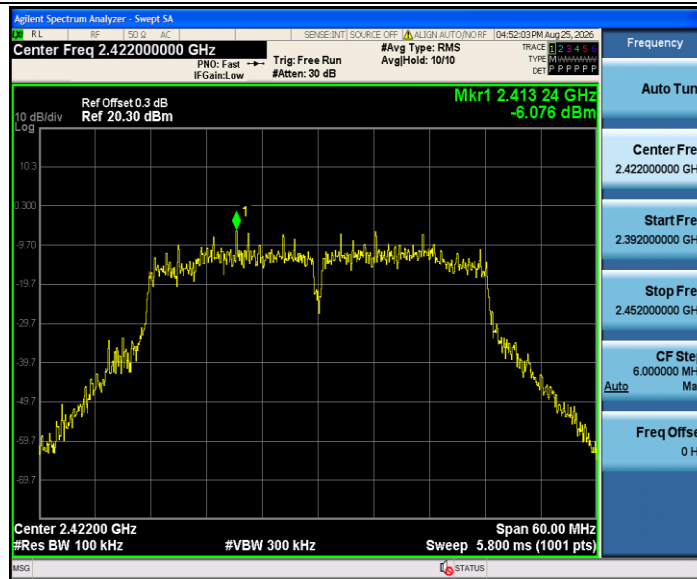
# 11N20SISO\_Ant1\_2462\_30~1000



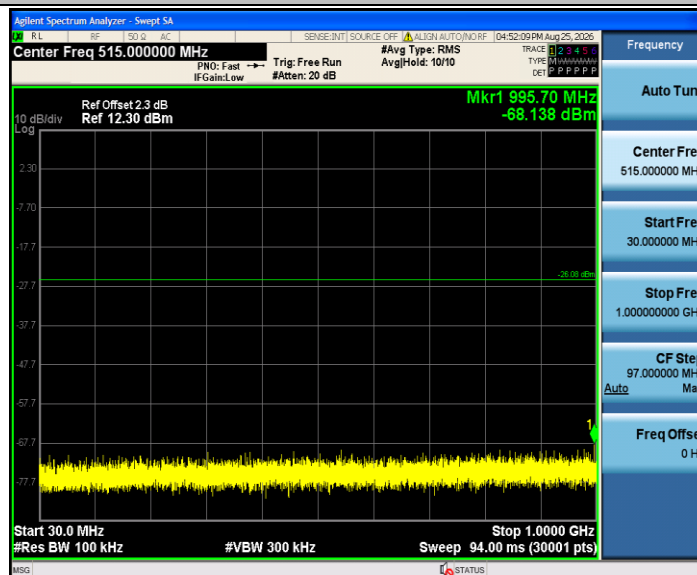
# 11N20SISO\_Ant1\_2462\_1000~26500



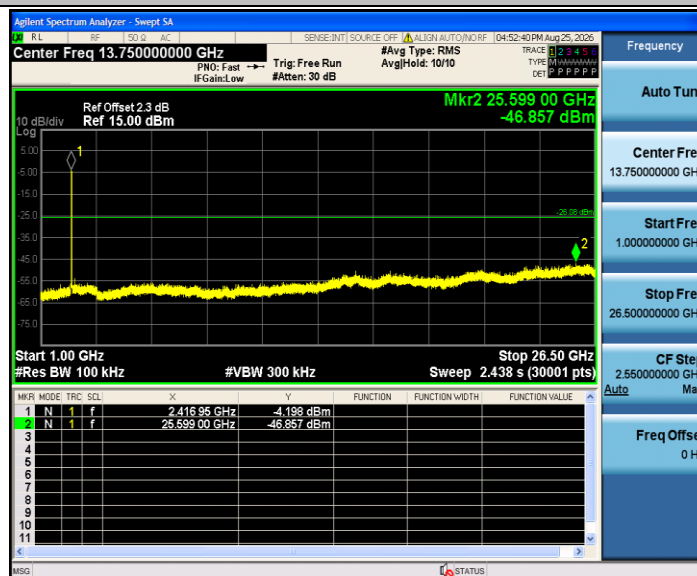
# 11N40SISO\_Ant1\_2422\_0~Reference



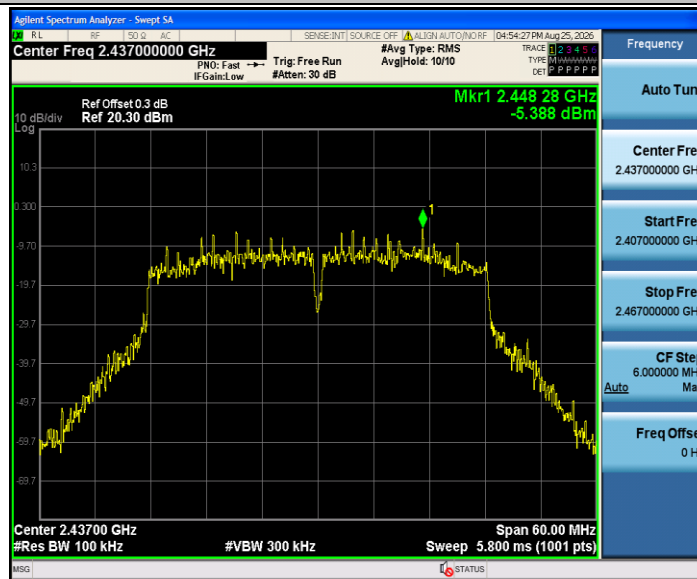
11N40SISO\_Ant1\_2422\_30~1000



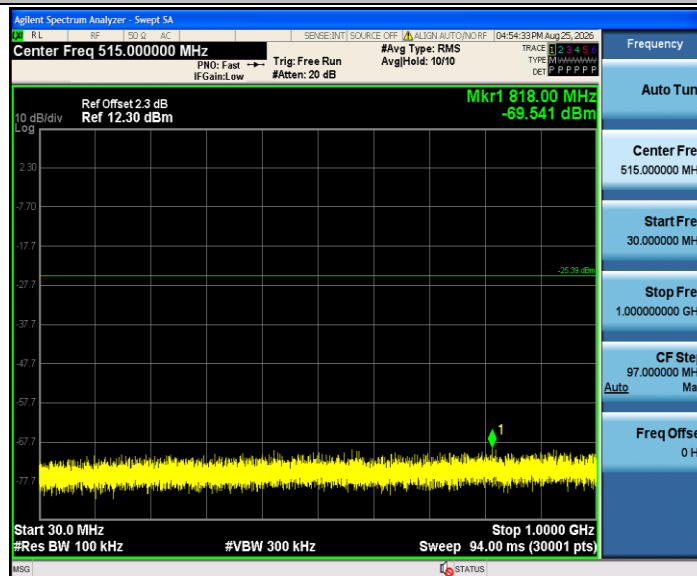
11N40SISO\_Ant1\_2422\_1000~26500



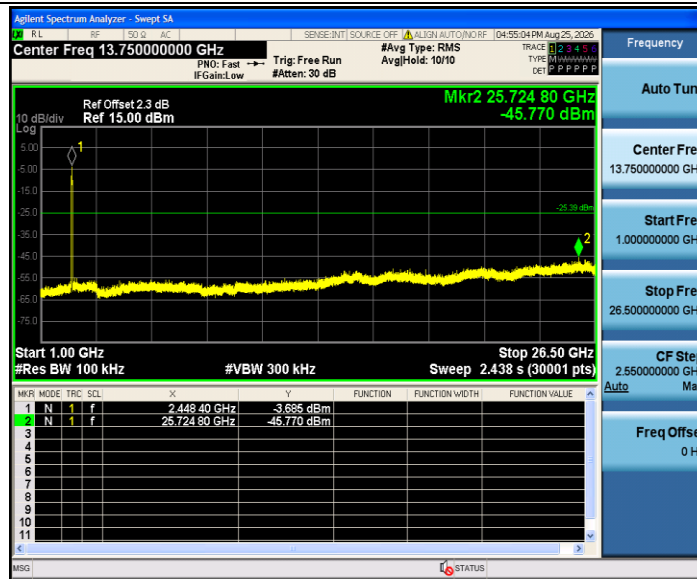
# 11N40SISO\_Ant1\_2437\_0~Reference



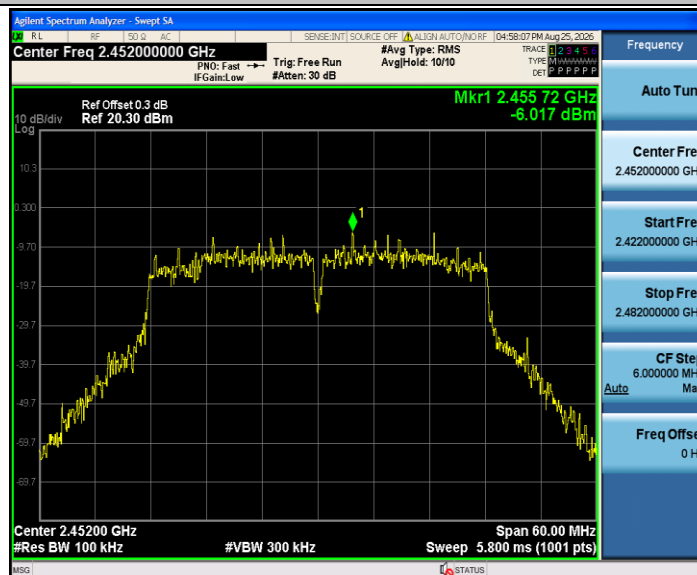
# 11N40SISO\_Ant1\_2437\_30~1000



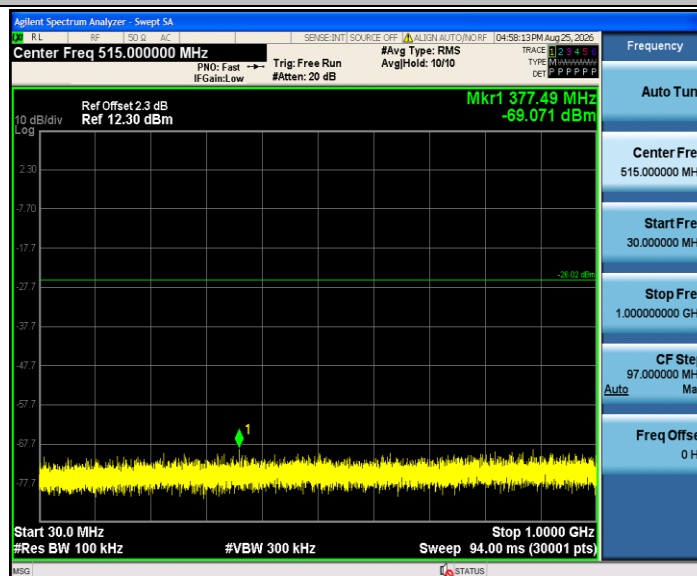
# 11N40SISO\_Ant1\_2437\_1000~26500



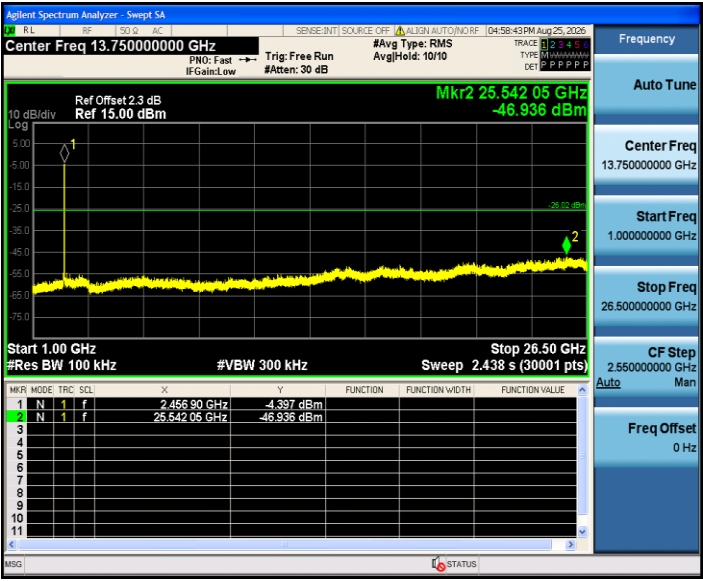
11N40ISO\_Ant1\_2452\_0~Reference



11N40ISO\_Ant1\_2452\_30~1000



11N40SISO\_Ant1\_2452\_1000~26500



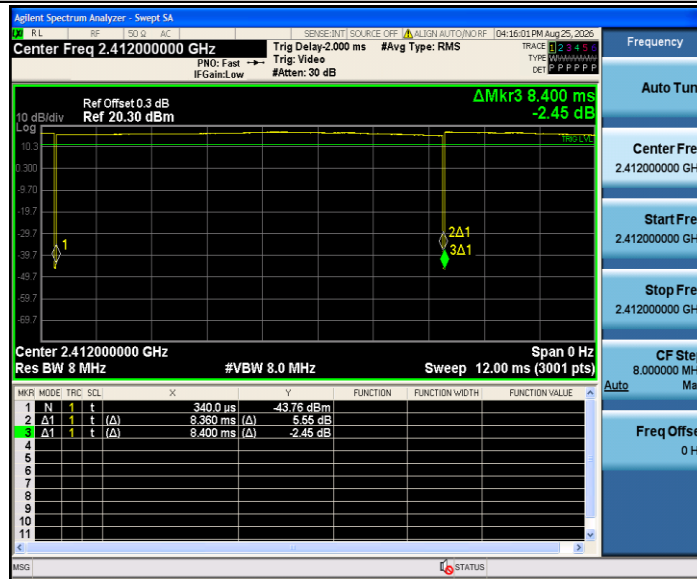
## Appendix G: Duty Cycle

### Test Result

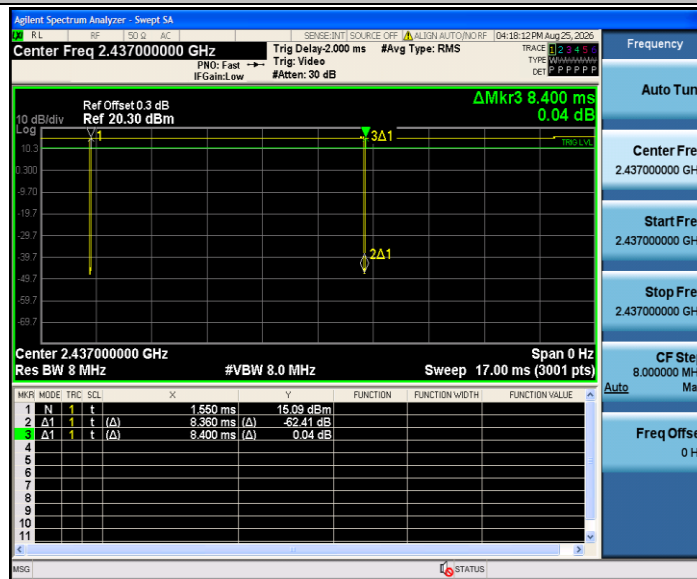
| TestMode  | Antenna | Frequency[MHz] | Transmission<br>Duration<br>[ms] | Transmission<br>Period [ms] | Duty<br>Cycle<br>[%] | DC Factor<br>[dB] | T Factor<br>[dB] |
|-----------|---------|----------------|----------------------------------|-----------------------------|----------------------|-------------------|------------------|
| 11B       | Ant1    | 2412           | 8.36                             | 8.40                        | 99.52                | 0.02              | 0.12             |
|           |         | 2437           | 8.36                             | 8.40                        | 99.52                | 0.02              | 0.12             |
|           |         | 2462           | 8.35                             | 8.40                        | 99.40                | 0.03              | 0.12             |
| 11G       | Ant1    | 2412           | 0.15                             | 0.20                        | 75.00                | 1.25              | 6.67             |
|           |         | 2437           | 0.15                             | 0.20                        | 75.00                | 1.25              | 6.67             |
|           |         | 2462           | 0.15                             | 0.19                        | 78.95                | 1.03              | 6.67             |
| 11N20SISO | Ant1    | 2412           | 0.17                             | 0.22                        | 77.27                | 1.12              | 5.88             |
|           |         | 2437           | 0.17                             | 0.22                        | 77.27                | 1.12              | 5.88             |
|           |         | 2462           | 0.17                             | 0.22                        | 77.27                | 1.12              | 5.88             |
| 11N40SISO | Ant1    | 2422           | 0.18                             | 0.23                        | 78.26                | 1.06              | 5.56             |
|           |         | 2437           | 0.18                             | 0.23                        | 78.26                | 1.06              | 5.56             |
|           |         | 2452           | 0.18                             | 0.23                        | 78.26                | 1.06              | 5.56             |

## Test Graphs

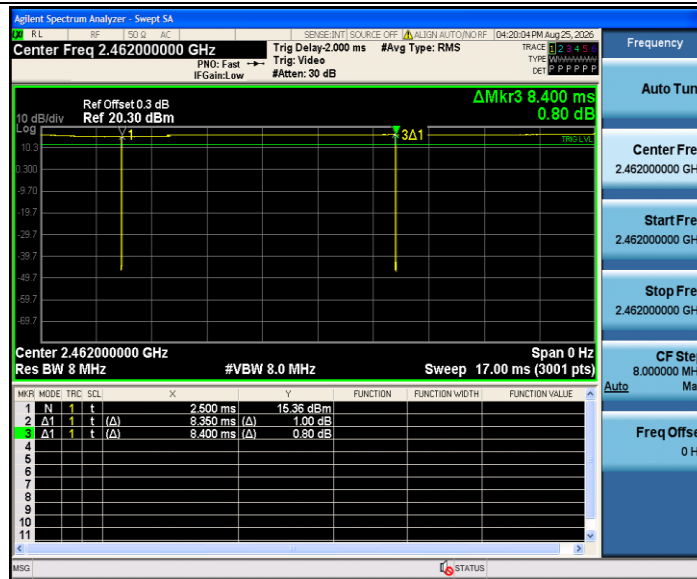
11B\_Ant1\_2412



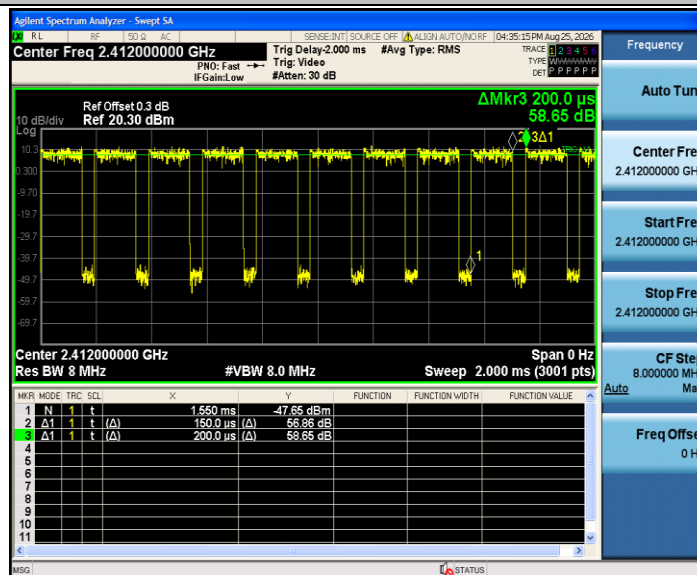
11B\_Ant1\_2437



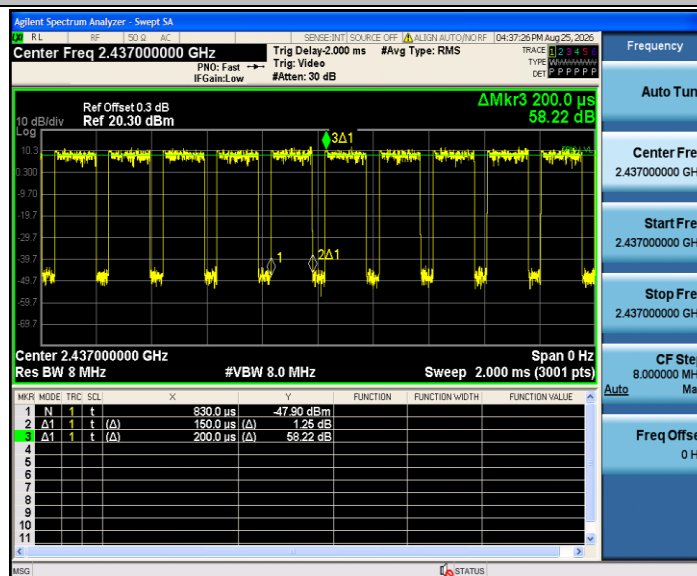
11B\_Ant1\_2462



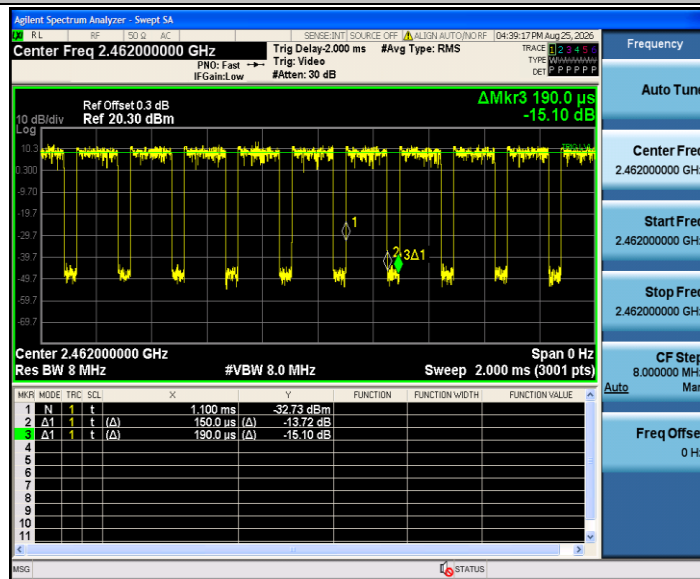
11G\_Ant1\_2412



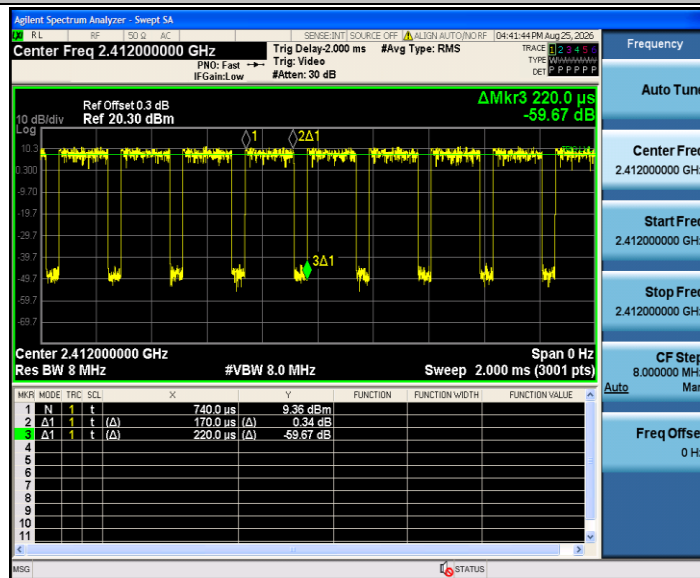
11G\_Ant1\_2437



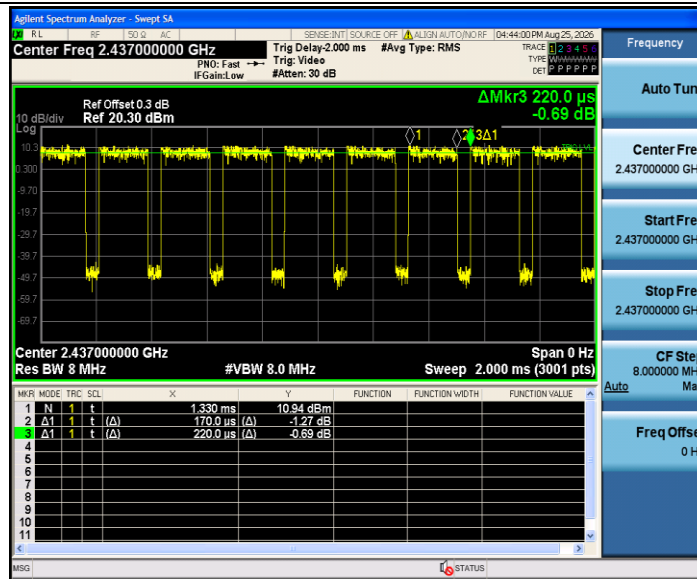
# 11G\_Ant1\_2462



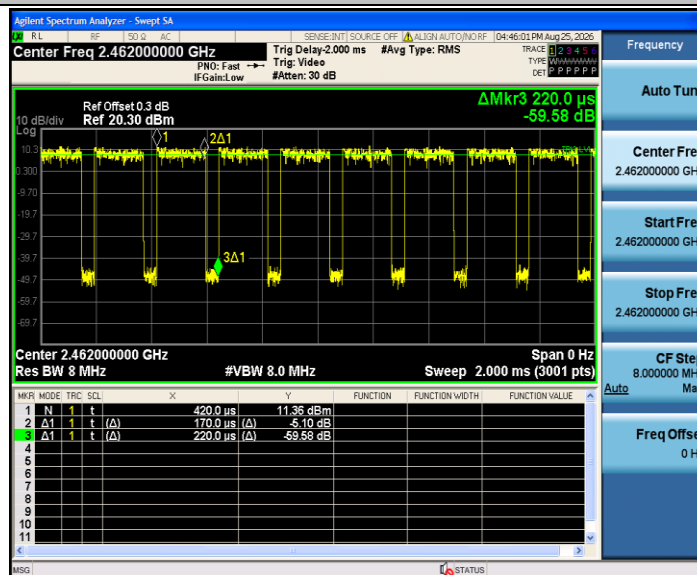
# 11N20SISO\_Ant1\_2412



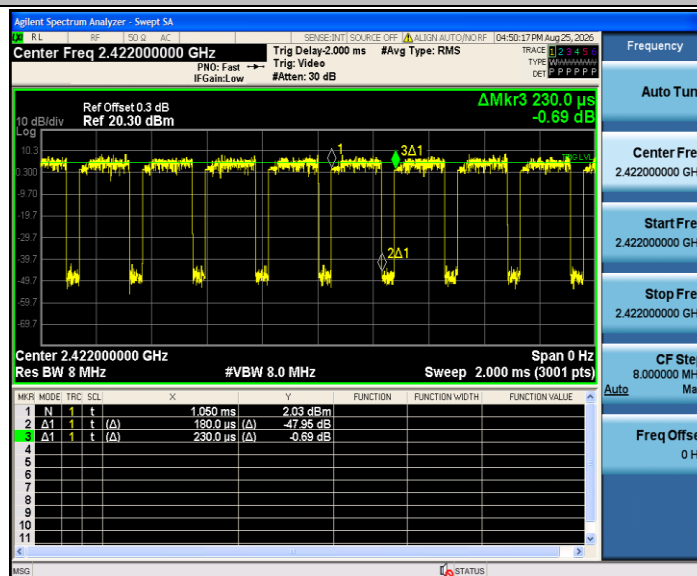
# 11N20SISO\_Ant1\_2437



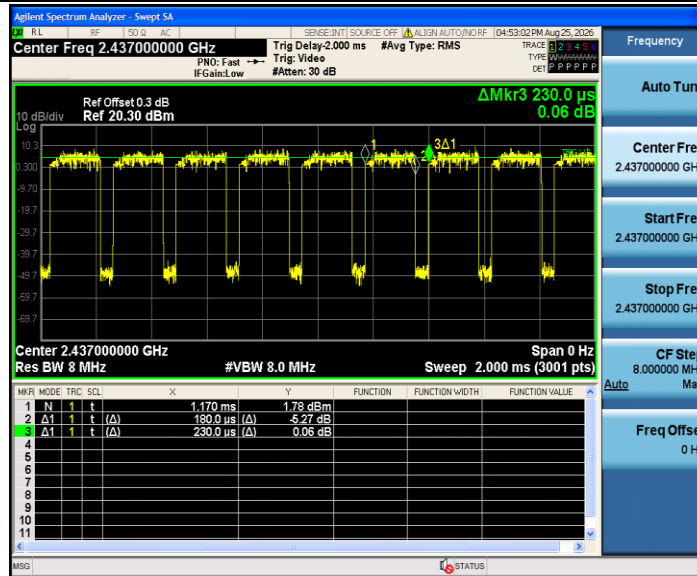
11N20SISO\_Ant1\_2462



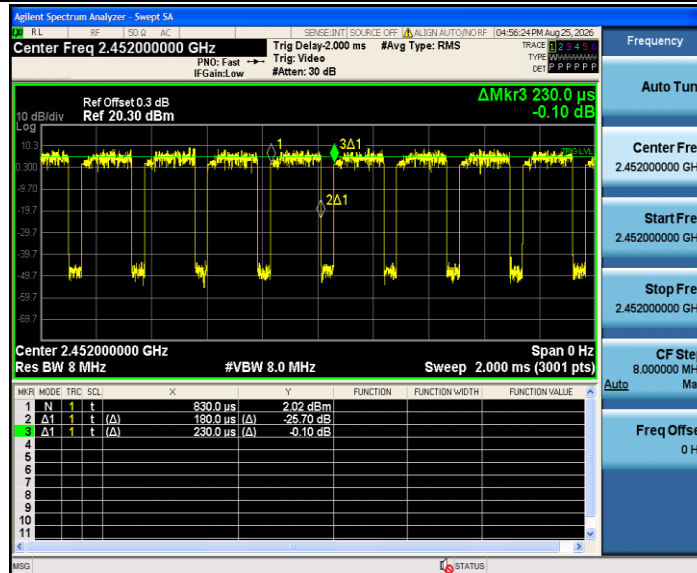
11N40SISO\_Ant1\_2422



# 11N40SISO\_Ant1\_2437



# 11N40SISO\_Ant1\_2452



## Appendix H: Emissions in Restricted Bands

### Test Result

| TestMod<br>e  | Antenn<br>a | ChNam<br>e | Frequen<br>cy[MHz] | Detector | Freq<br>[MHz] | Result<br>[dBm] | Gain<br>[dB] | DC<br>Factor<br>[dB] | Result<br>[dBuV/m] | Limit<br>[dBuV/m] | Verdict |
|---------------|-------------|------------|--------------------|----------|---------------|-----------------|--------------|----------------------|--------------------|-------------------|---------|
| 11B           | Ant1        | Low        | 2412               | AV       | 2310.000      | -59.99          | 4.83         | 0.02                 | 40.06              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2386.190      | -49.99          | 4.83         | 0.02                 | 50.06              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2390.000      | -54.68          | 4.83         | 0.02                 | 45.37              | ≤54               | PASS    |
|               |             |            |                    | Peak     | 2310.000      | -52.15          | 4.83         | 0.00                 | 47.88              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2386.710      | -43.04          | 4.83         | 0.00                 | 56.99              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2390.000      | -45.82          | 4.83         | 0.00                 | 54.21              | ≤74               | PASS    |
|               |             | High       | 2462               | AV       | 2483.500      | -54.36          | 4.83         | 0.03                 | 45.70              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2488.400      | -51.46          | 4.83         | 0.03                 | 48.60              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2500.000      | -57.42          | 4.83         | 0.03                 | 42.64              | ≤54               | PASS    |
|               |             |            |                    | Peak     | 2483.500      | -48.83          | 4.83         | 0.00                 | 51.20              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2488.510      | -44.38          | 4.83         | 0.00                 | 55.65              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2500.000      | -49.06          | 4.83         | 0.00                 | 50.97              | ≤74               | PASS    |
| 11G           | Ant1        | Low        | 2412               | AV       | 2310.000      | -60.73          | 4.83         | 1.25                 | 40.55              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2374.230      | -59.2           | 4.83         | 1.25                 | 42.08              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2390.000      | -59.26          | 4.83         | 1.25                 | 42.02              | ≤54               | PASS    |
|               |             |            |                    | Peak     | 2310.000      | -52.15          | 4.83         | 0.00                 | 47.88              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2357.330      | -49.14          | 4.83         | 0.00                 | 50.89              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2390.000      | -51.09          | 4.83         | 0.00                 | 48.94              | ≤74               | PASS    |
|               |             | High       | 2462               | AV       | 2483.500      | -59.52          | 4.83         | 1.03                 | 41.54              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2483.560      | -58.48          | 4.83         | 1.03                 | 42.58              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2500.000      | -59.24          | 4.83         | 1.03                 | 41.82              | ≤54               | PASS    |
|               |             |            |                    | Peak     | 2483.500      | -51.41          | 4.83         | 0.00                 | 48.62              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2492.140      | -48.18          | 4.83         | 0.00                 | 51.85              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2500.000      | -50.95          | 4.83         | 0.00                 | 49.08              | ≤74               | PASS    |
| 11N20SI<br>SO | Ant1        | Low        | 2412               | AV       | 2310.000      | -60.62          | 4.83         | 1.12                 | 40.53              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2389.310      | -59.06          | 4.83         | 1.12                 | 42.09              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2390.000      | -59.5           | 4.83         | 1.12                 | 41.65              | ≤54               | PASS    |
|               |             |            |                    | Peak     | 2310.000      | -51.08          | 4.83         | 0.00                 | 48.95              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2353.300      | -49.33          | 4.83         | 0.00                 | 50.70              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2390.000      | -50.75          | 4.83         | 0.00                 | 49.28              | ≤74               | PASS    |
|               |             | High       | 2462               | AV       | 2483.500      | -58.84          | 4.83         | 1.12                 | 42.31              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2484.110      | -58.72          | 4.83         | 1.12                 | 42.43              | ≤54               | PASS    |
|               |             |            |                    | AV       | 2500.000      | -59.53          | 4.83         | 1.12                 | 41.62              | ≤54               | PASS    |
|               |             |            |                    | Peak     | 2483.500      | -52.08          | 4.83         | 0.00                 | 47.95              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2497.860      | -48.64          | 4.83         | 0.00                 | 51.39              | ≤74               | PASS    |
|               |             |            |                    | Peak     | 2500.000      | -53.2           | 4.83         | 0.00                 | 46.83              | ≤74               | PASS    |

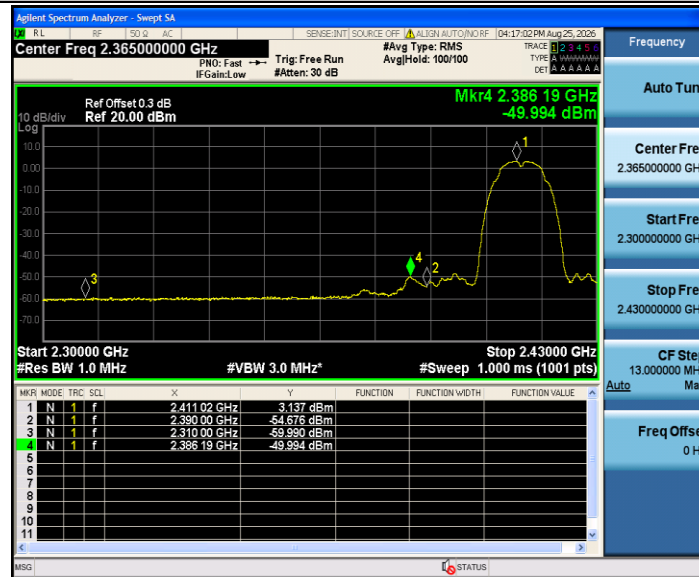
|               |      |      |      |      |          |        |      |      |       |     |      |
|---------------|------|------|------|------|----------|--------|------|------|-------|-----|------|
| 11N40SI<br>SO | Ant1 | Low  | 2422 | AV   | 2310.000 | -60.42 | 4.83 | 1.06 | 40.67 | ≤54 | PASS |
|               |      |      |      | AV   | 2389.400 | -57.56 | 4.83 | 1.06 | 43.53 | ≤54 | PASS |
|               |      |      |      | AV   | 2390.000 | -58.21 | 4.83 | 1.06 | 42.88 | ≤54 | PASS |
|               |      |      |      | Peak | 2310.000 | -53.45 | 4.83 | 0.00 | 46.58 | ≤74 | PASS |
|               |      |      |      | Peak | 2387.450 | -46.42 | 4.83 | 0.00 | 53.61 | ≤74 | PASS |
|               |      |      |      | Peak | 2390.000 | -50.45 | 4.83 | 0.00 | 49.58 | ≤74 | PASS |
|               |      | High | 2452 | AV   | 2483.500 | -58.77 | 4.83 | 1.06 | 42.32 | ≤54 | PASS |
|               |      |      |      | AV   | 2493.625 | -58.35 | 4.83 | 1.06 | 42.74 | ≤54 | PASS |
|               |      |      |      | AV   | 2500.000 | -59.44 | 4.83 | 1.06 | 41.65 | ≤54 | PASS |
|               |      |      |      | Peak | 2483.500 | -49.55 | 4.83 | 0.00 | 50.48 | ≤74 | PASS |
|               |      |      |      | Peak | 2499.750 | -48.54 | 4.83 | 0.00 | 51.49 | ≤74 | PASS |
|               |      |      |      | Peak | 2500.000 | -51.72 | 4.83 | 0.00 | 48.31 | ≤74 | PASS |

Note:

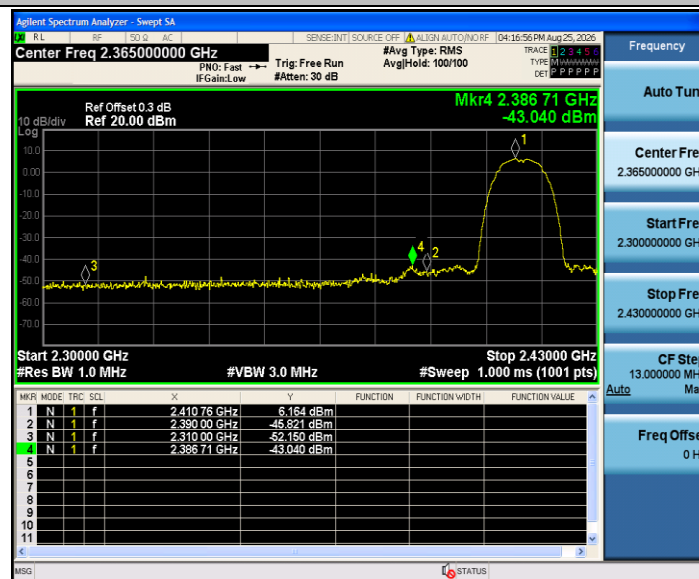
The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

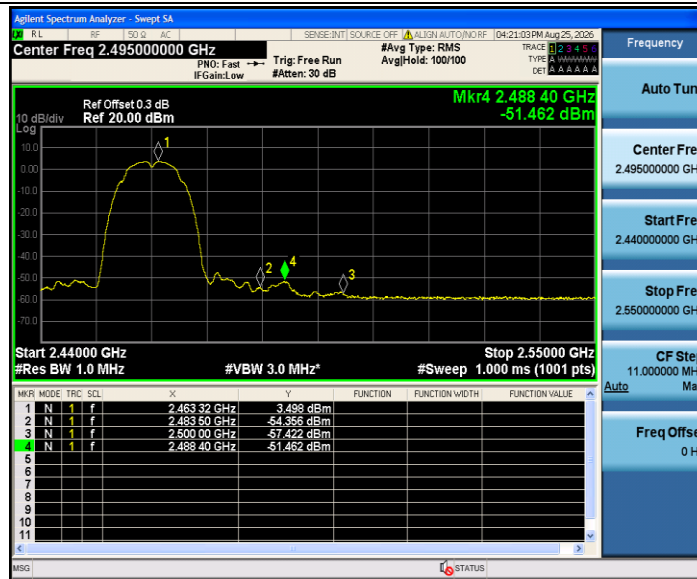
11B\_Ant1\_Low\_2412\_AV



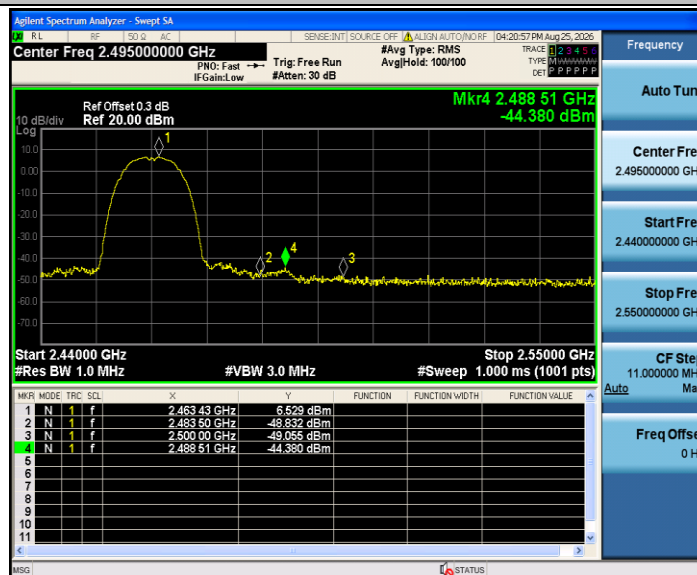
11B\_Ant1\_Low\_2412\_Peak



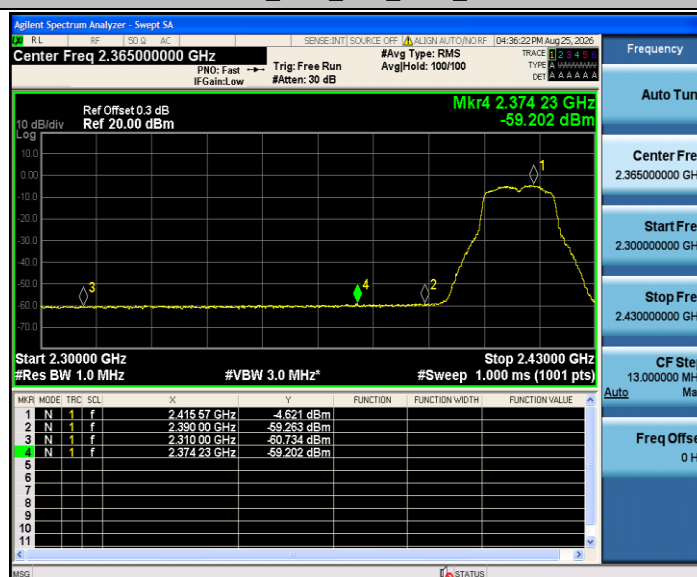
11B\_Ant1\_High\_2462\_AV



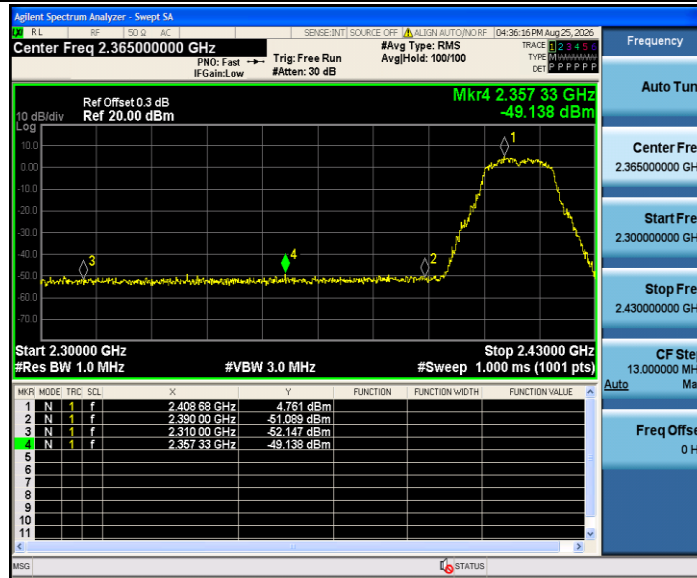
11B\_Ant1\_High\_2462\_Peak



11G\_Ant1\_Low\_2412\_AV



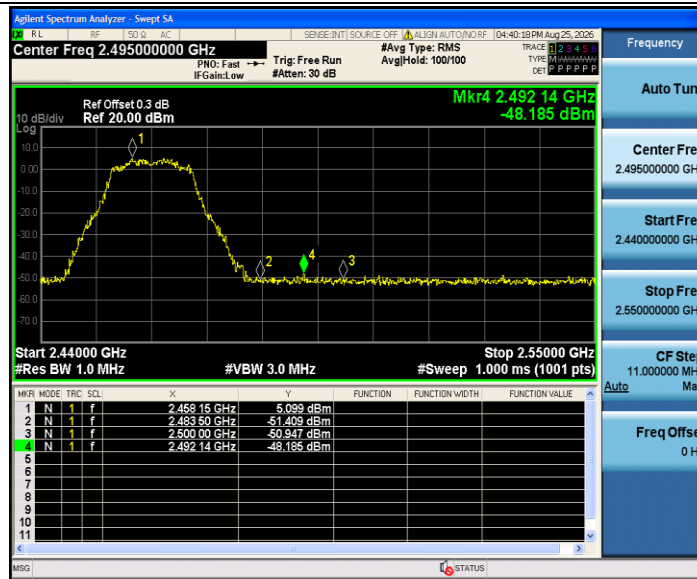
# 11G\_Ant1\_Low\_2412\_Peak



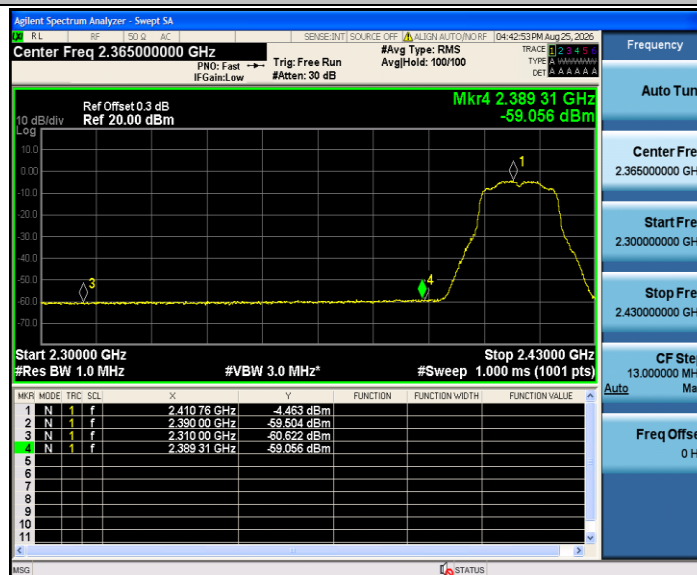
# 11G\_Ant1\_High\_2462\_AV



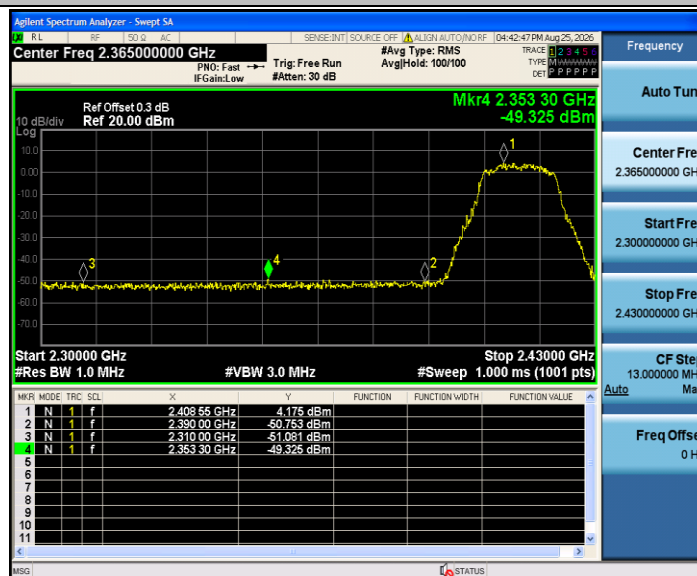
# 11G\_Ant1\_High\_2462\_Peak



11N20SISO\_Ant1\_Low\_2412\_AV



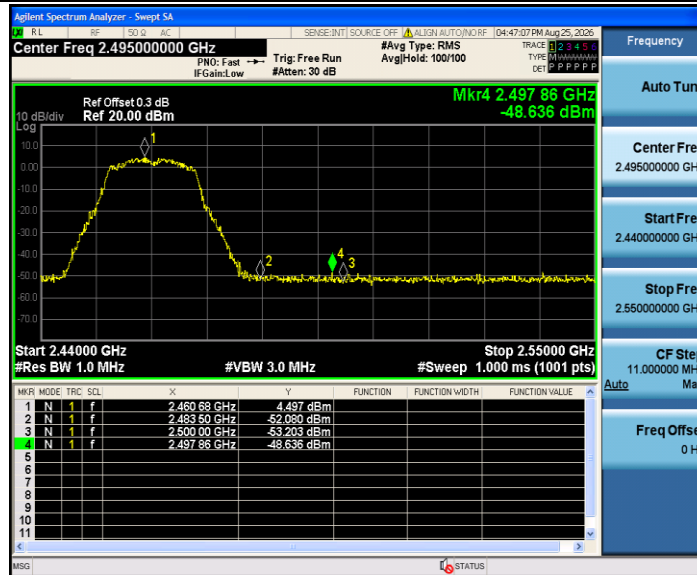
11N20SISO\_Ant1\_Low\_2412\_Peak



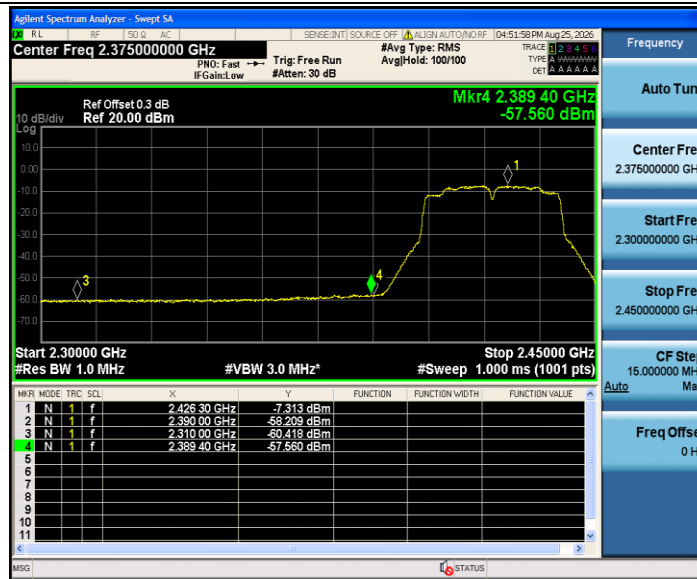
# 11N20SISO\_Ant1\_High\_2462\_AV



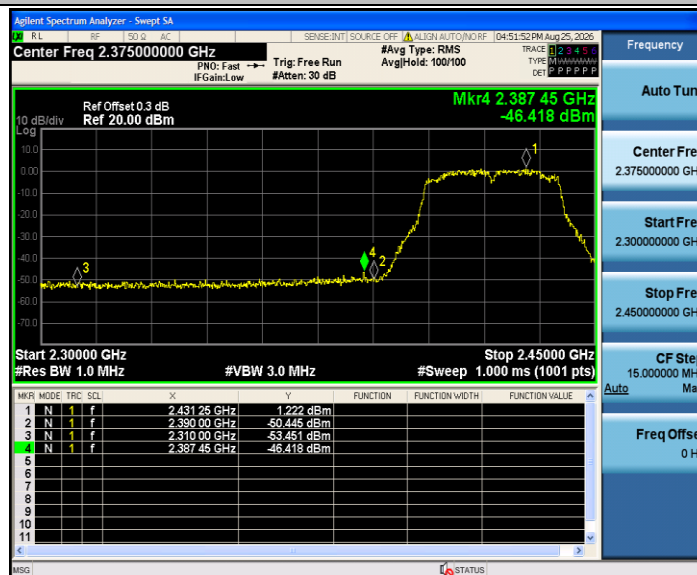
# 11N20SISO\_Ant1\_High\_2462\_Peak



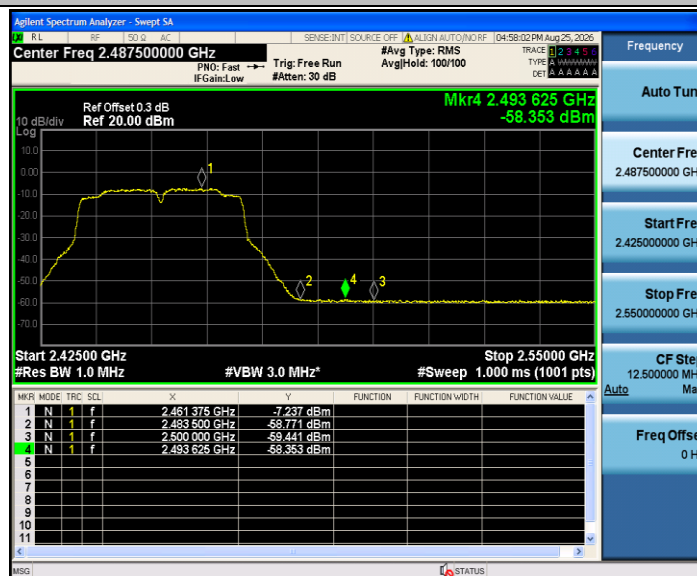
# 11N40SISO\_Ant1\_Low\_2422\_AV



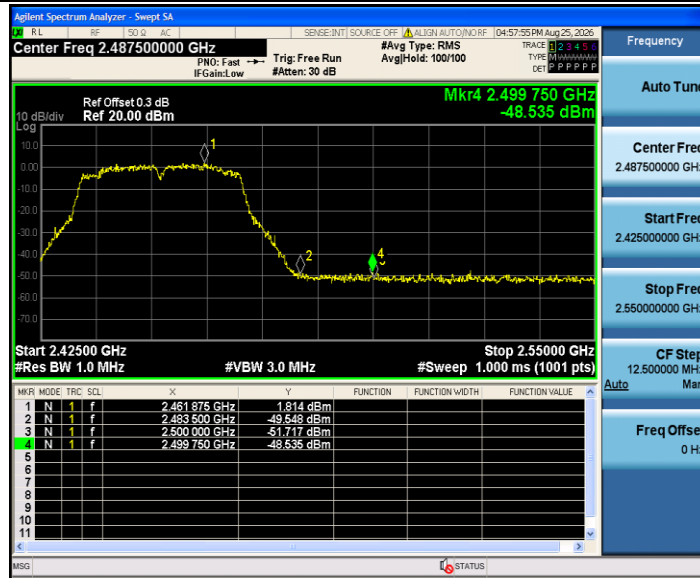
11N40SISO\_Ant1\_Low\_2422\_Peak



11N40SISO\_Ant1\_High\_2452\_AV



# 11N40SISO\_Ant1\_High\_2452\_Peak



## FCC Appendix RF Test Data for 2.4GWIFI BK7258

### Appendix A: DTS Bandwidth

#### Test Result

| TestMode  | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B       | Ant2    | 2412           | 10.200       | 2406.920 | 2417.120 | 0.5        | PASS    |
|           |         | 2437           | 10.200       | 2431.920 | 2442.120 | 0.5        | PASS    |
|           |         | 2462           | 10.240       | 2456.920 | 2467.160 | 0.5        | PASS    |
| 11G       | Ant2    | 2412           | 15.720       | 2404.120 | 2419.840 | 0.5        | PASS    |
|           |         | 2437           | 15.920       | 2429.120 | 2445.040 | 0.5        | PASS    |
|           |         | 2462           | 15.960       | 2454.040 | 2470.000 | 0.5        | PASS    |
| 11N20SISO | Ant2    | 2412           | 16.560       | 2403.440 | 2420.000 | 0.5        | PASS    |
|           |         | 2437           | 17.080       | 2428.400 | 2445.480 | 0.5        | PASS    |
|           |         | 2462           | 16.080       | 2454.120 | 2470.200 | 0.5        | PASS    |
| 11N40SISO | Ant2    | 2422           | 35.600       | 2404.400 | 2440.000 | 0.5        | PASS    |
|           |         | 2437           | 35.520       | 2419.560 | 2455.080 | 0.5        | PASS    |
|           |         | 2452           | 35.440       | 2434.400 | 2469.840 | 0.5        | PASS    |

## Test Graphs

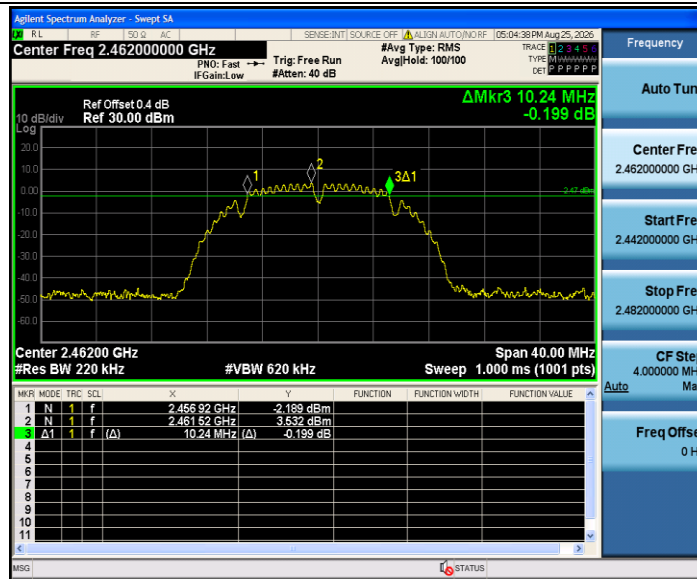
11B\_Ant2\_2412



11B\_Ant2\_2437



11B\_Ant2\_2462



11G\_Ant2\_2412



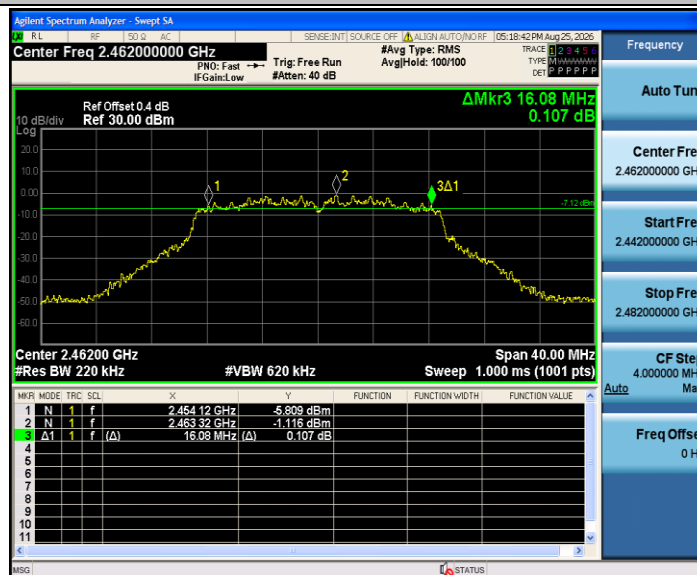
11G\_Ant2\_2437



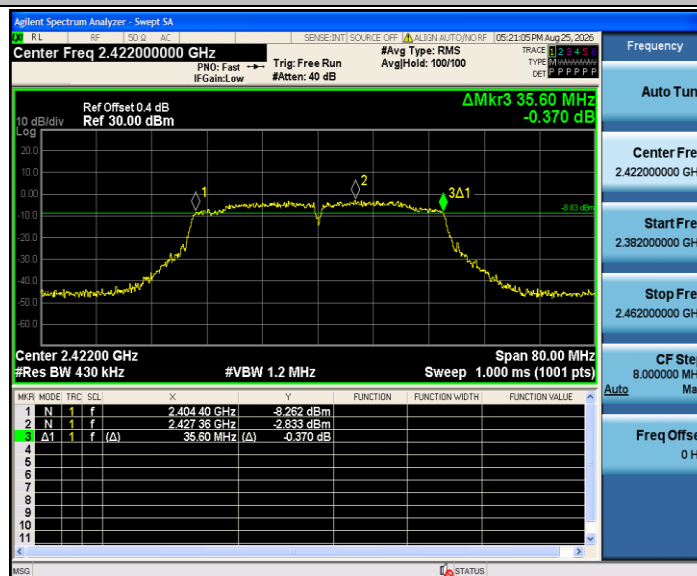




11N20SISO\_Ant2\_2462



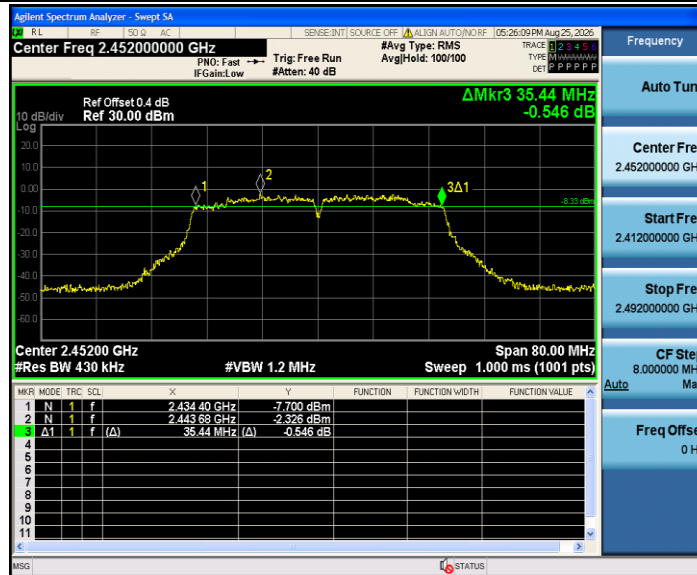
11N40SISO\_Ant2\_2422



# 11N40SISO\_Ant2\_2437



# 11N40SISO\_Ant2\_2452



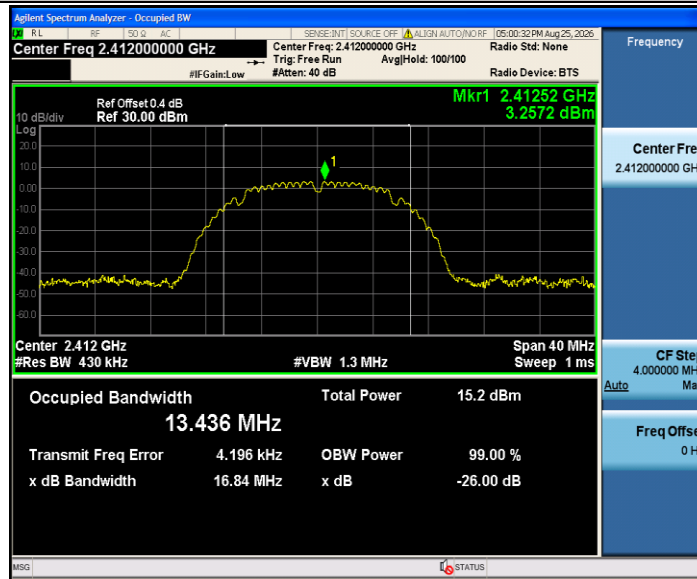
## Appendix B: Occupied Channel Bandwidth

### Test Result

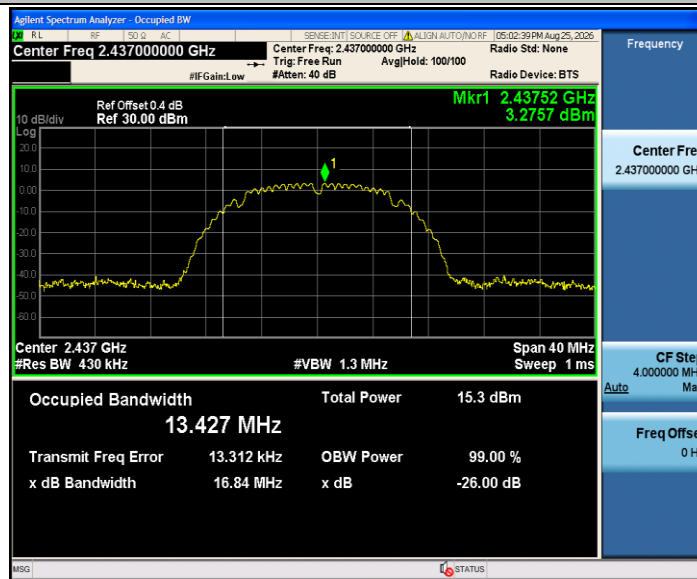
| TestMode  | Antenna | Channel Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|------------------------|-----------|-----------|-----------|------------|---------|
| 11B       | Ant2    | 2412                   | 13.436    | 2405.2862 | 2418.7222 | ---        | ---     |
|           |         | 2437                   | 13.427    | 2430.2998 | 2443.7268 | ---        | ---     |
|           |         | 2462                   | 13.429    | 2455.3080 | 2468.7370 | ---        | ---     |
| 11G       | Ant2    | 2412                   | 16.877    | 2403.6042 | 2420.4812 | ---        | ---     |
|           |         | 2437                   | 16.837    | 2428.6373 | 2445.4743 | ---        | ---     |
|           |         | 2462                   | 16.899    | 2453.5922 | 2470.4912 | ---        | ---     |
| 11N20SISO | Ant2    | 2412                   | 17.845    | 2403.1058 | 2420.9508 | ---        | ---     |
|           |         | 2437                   | 17.832    | 2428.1098 | 2445.9418 | ---        | ---     |
|           |         | 2462                   | 17.848    | 2453.0608 | 2470.9088 | ---        | ---     |
| 11N40SISO | Ant2    | 2422                   | 35.993    | 2404.1580 | 2440.1510 | ---        | ---     |
|           |         | 2437                   | 36.064    | 2419.1089 | 2455.1729 | ---        | ---     |
|           |         | 2452                   | 36.068    | 2434.1370 | 2470.2050 | ---        | ---     |

## Test Graphs

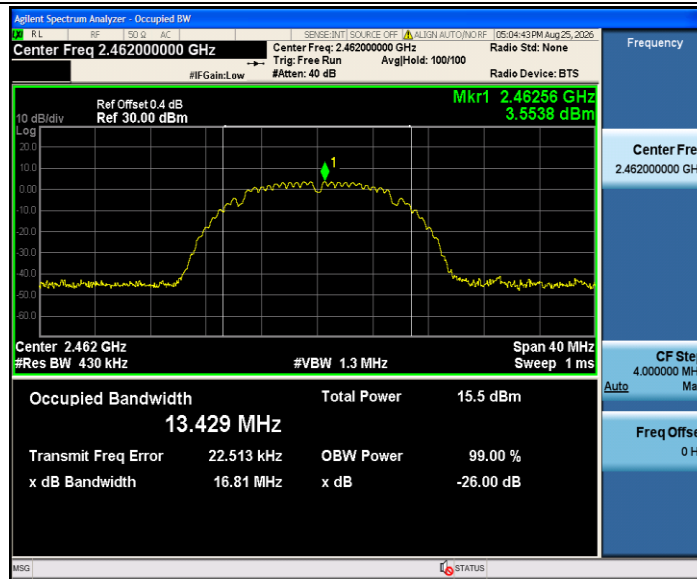
11B\_Ant2\_2412



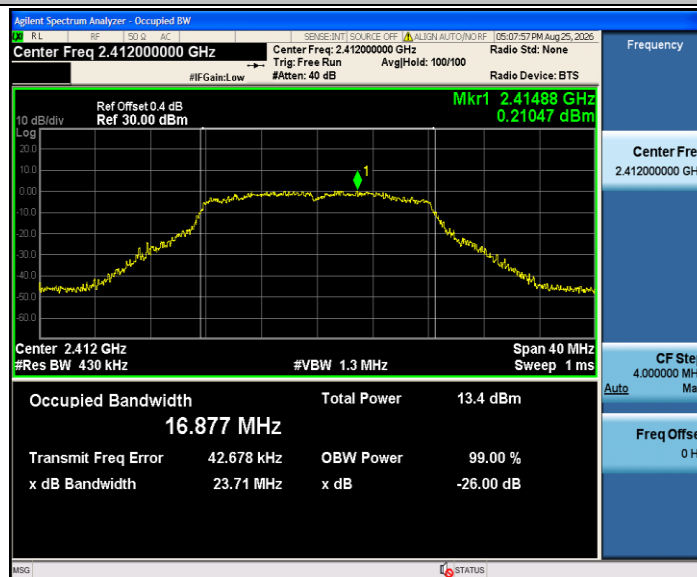
11B\_Ant2\_2437



11B\_Ant2\_2462



11G\_Ant2\_2412



11G\_Ant2\_2437

