

## Appendix B.6: Conducted Spurious Emission

### Test Result

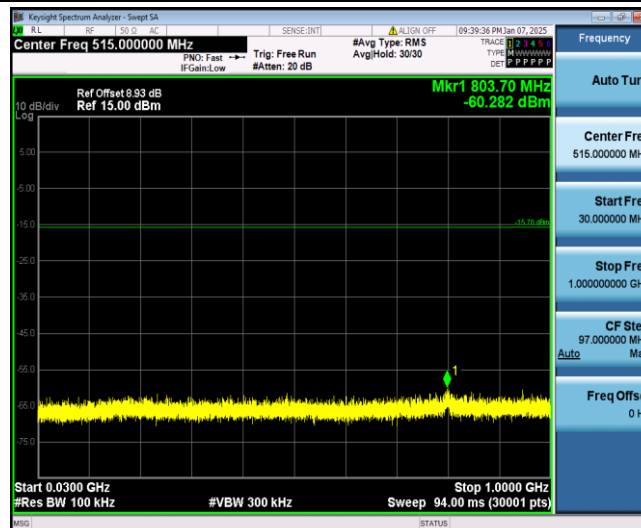
| TestMode   | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|------------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| 11B        | Ant1    | 2412           | Reference       | 4.22           | 4.22         | ---           | PASS    |
|            |         |                | 30~1000         | 4.22           | -60.28       | $\leq -15.78$ | PASS    |
|            |         |                | 1000~26500      | 4.22           | -35.83       | $\leq -15.78$ | PASS    |
|            |         | 2437           | Reference       | 5.12           | 5.12         | ---           | PASS    |
|            |         |                | 30~1000         | 5.12           | -59.19       | $\leq -14.88$ | PASS    |
|            |         |                | 1000~26500      | 5.12           | -44.2        | $\leq -14.88$ | PASS    |
|            |         | 2462           | Reference       | 3.71           | 3.71         | ---           | PASS    |
|            |         |                | 30~1000         | 3.71           | -59.88       | $\leq -16.29$ | PASS    |
|            |         |                | 1000~26500      | 3.71           | -43.74       | $\leq -16.29$ | PASS    |
| 11G        | Ant1    | 2412           | Reference       | -0.85          | -0.85        | ---           | PASS    |
|            |         |                | 30~1000         | -0.85          | -60.88       | $\leq -20.85$ | PASS    |
|            |         |                | 1000~26500      | -0.85          | -44.3        | $\leq -20.85$ | PASS    |
|            |         | 2437           | Reference       | -1.36          | -1.36        | ---           | PASS    |
|            |         |                | 30~1000         | -1.36          | -55.34       | $\leq -21.36$ | PASS    |
|            |         |                | 1000~26500      | -1.36          | -44.89       | $\leq -21.36$ | PASS    |
|            |         | 2462           | Reference       | -0.54          | -0.54        | ---           | PASS    |
|            |         |                | 30~1000         | -0.54          | -59.9        | $\leq -20.54$ | PASS    |
|            |         |                | 1000~26500      | -0.54          | -44.68       | $\leq -20.54$ | PASS    |
| 11N20SISO  | Ant1    | 2412           | Reference       | 0.15           | 0.15         | ---           | PASS    |
|            |         |                | 30~1000         | 0.15           | -59.12       | $\leq -19.85$ | PASS    |
|            |         |                | 1000~26500      | 0.15           | -46.79       | $\leq -19.85$ | PASS    |
|            |         | 2437           | Reference       | -2.17          | -2.17        | ---           | PASS    |
|            |         |                | 30~1000         | -2.17          | -59.99       | $\leq -22.17$ | PASS    |
|            |         |                | 1000~26500      | -2.17          | -43.35       | $\leq -22.17$ | PASS    |
|            |         | 2462           | Reference       | 0.61           | 0.61         | ---           | PASS    |
|            |         |                | 30~1000         | 0.61           | -60.16       | $\leq -19.39$ | PASS    |
|            |         |                | 1000~26500      | 0.61           | -41.35       | $\leq -19.39$ | PASS    |
| 11AX20SISO | Ant1    | 2412           | Reference       | -2.81          | -2.81        | ---           | PASS    |
|            |         |                | 30~1000         | -2.81          | -60.74       | $\leq -22.81$ | PASS    |
|            |         |                | 1000~26500      | -2.81          | -46.67       | $\leq -22.81$ | PASS    |
|            |         | 2437           | Reference       | -0.80          | -0.80        | ---           | PASS    |
|            |         |                | 30~1000         | -0.80          | -60.03       | $\leq -20.8$  | PASS    |
|            |         |                | 1000~26500      | -0.80          | -41.91       | $\leq -20.8$  | PASS    |
|            |         | 2462           | Reference       | -3.31          | -3.31        | ---           | PASS    |
|            |         |                | 30~1000         | -3.31          | -60.93       | $\leq -23.31$ | PASS    |
|            |         |                | 1000~26500      | -3.31          | -46.67       | $\leq -23.31$ | PASS    |

## Test Graphs

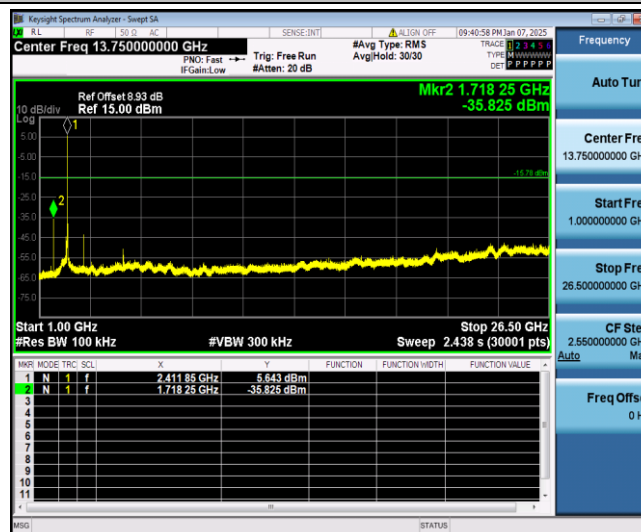
11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000



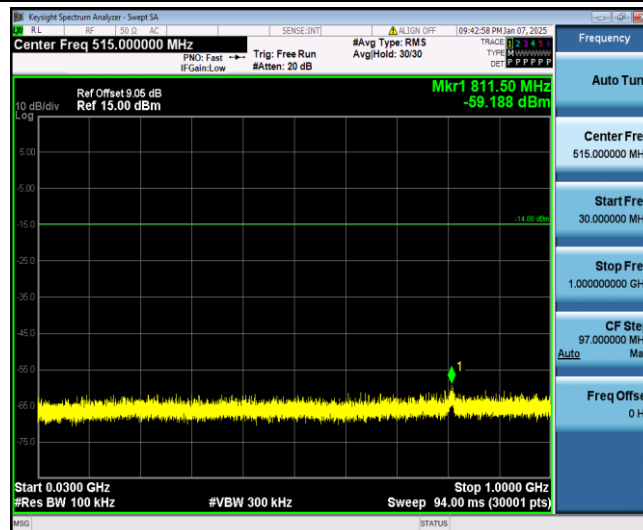
11B\_Ant1\_2412\_1000~26500



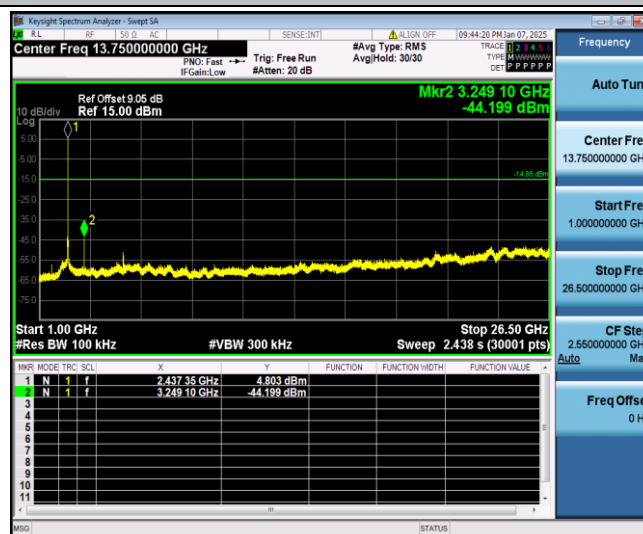
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



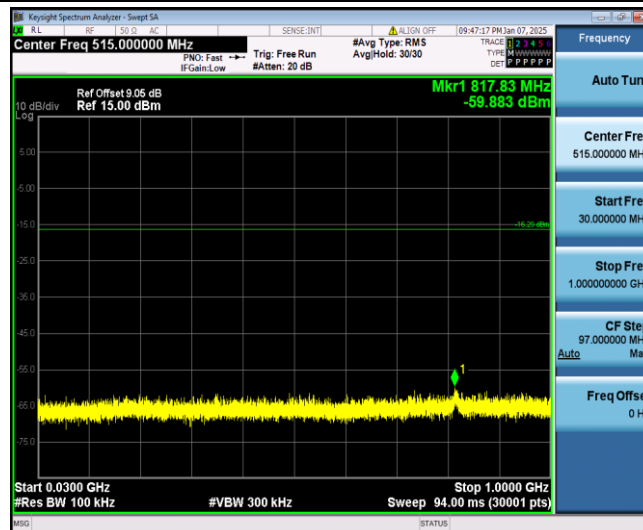
11B\_Ant1\_2437\_1000~26500



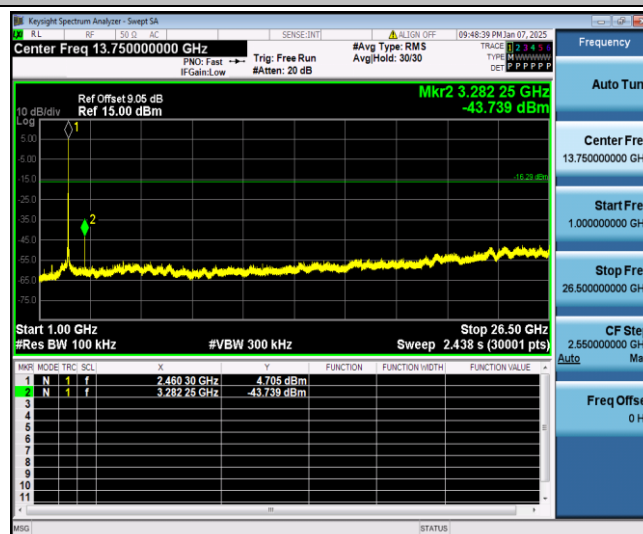
11B\_Ant1\_2462\_0~Reference



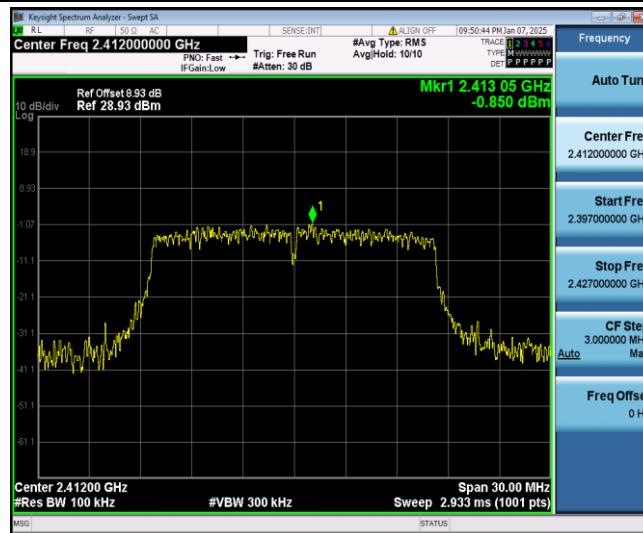
11B\_Ant1\_2462\_30~1000



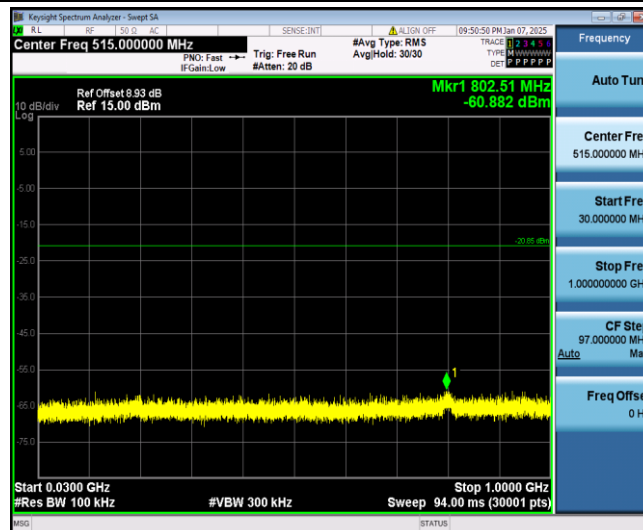
11B\_Ant1\_2462\_1000~26500



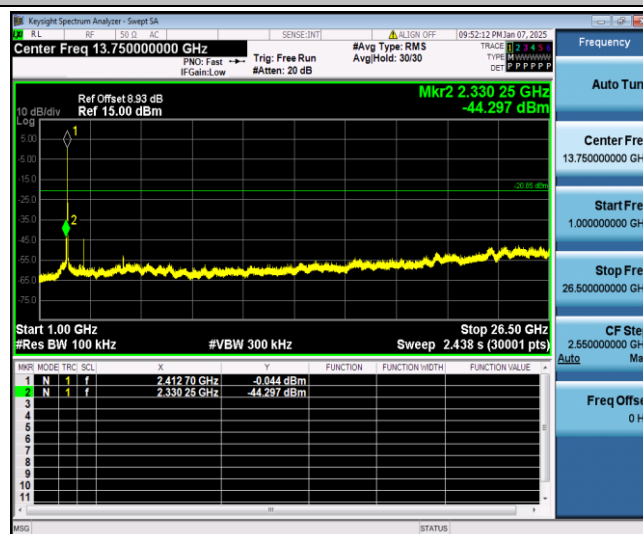
11G\_Ant1\_2412\_0~Reference



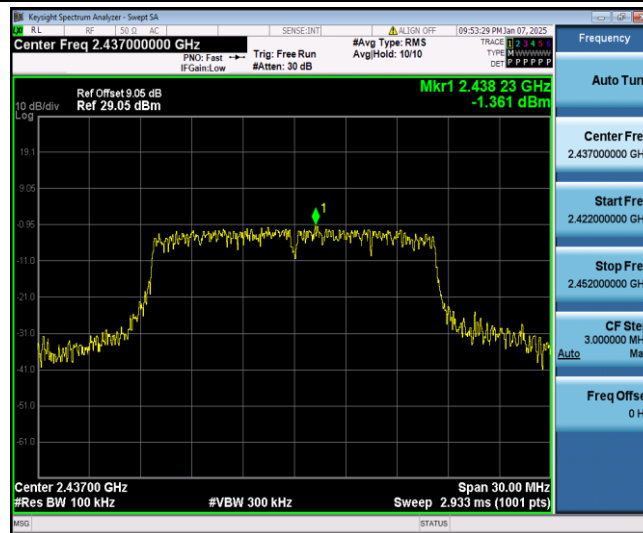
11G\_Ant1\_2412\_30~1000



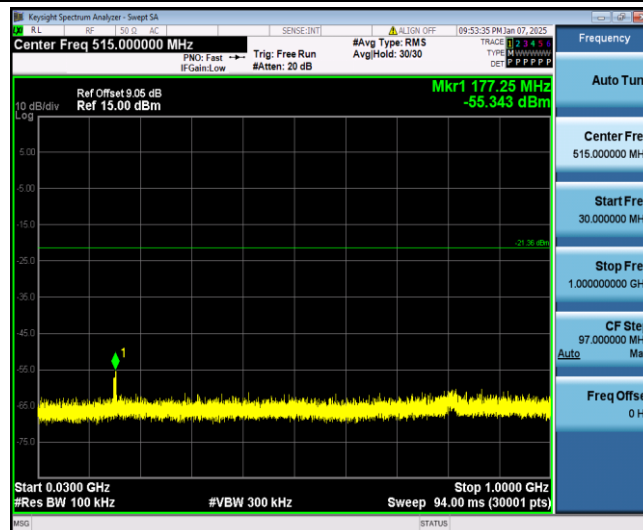
11G\_Ant1\_2412\_1000~26500



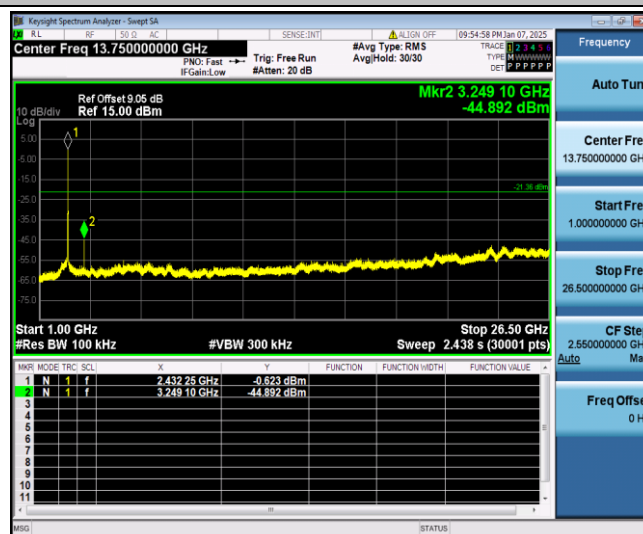
11G\_Ant1\_2437\_0~Reference



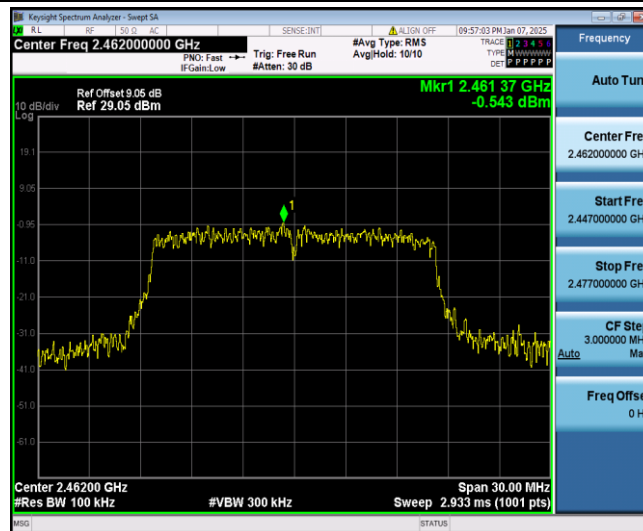
11G\_Ant1\_2437\_30~1000



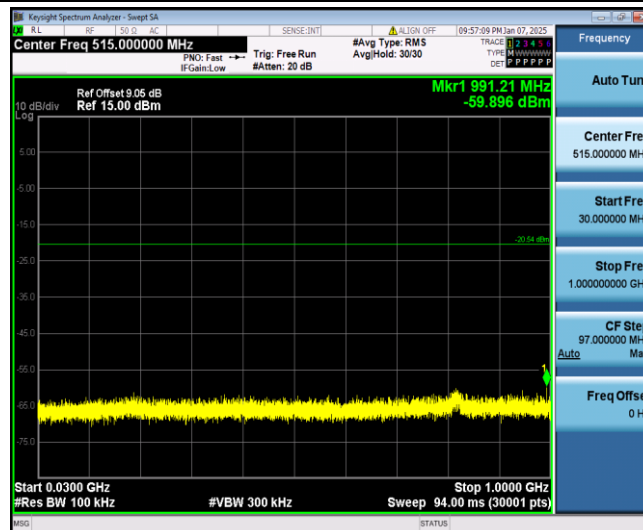
11G\_Ant1\_2437\_1000~26500



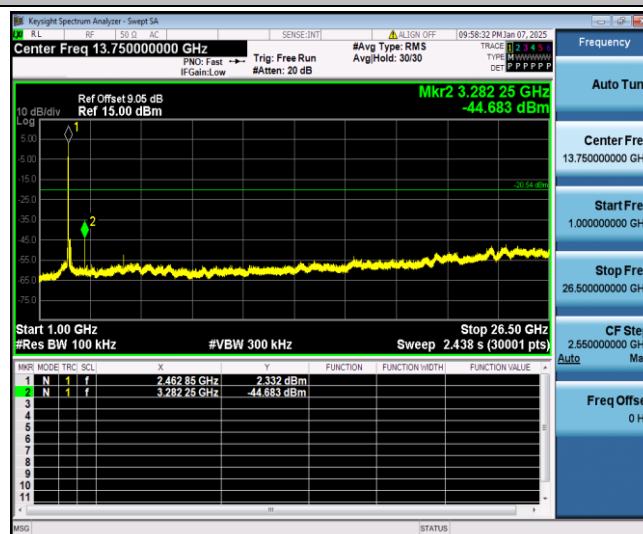
11G\_Ant1\_2462\_0~Reference



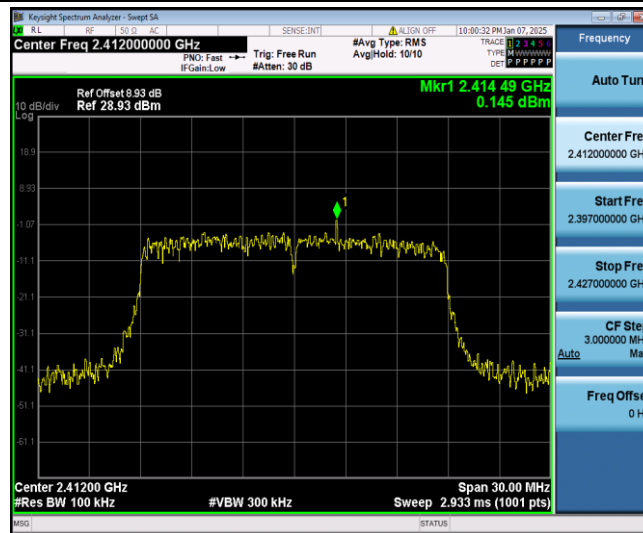
11G\_Ant1\_2462\_30~1000



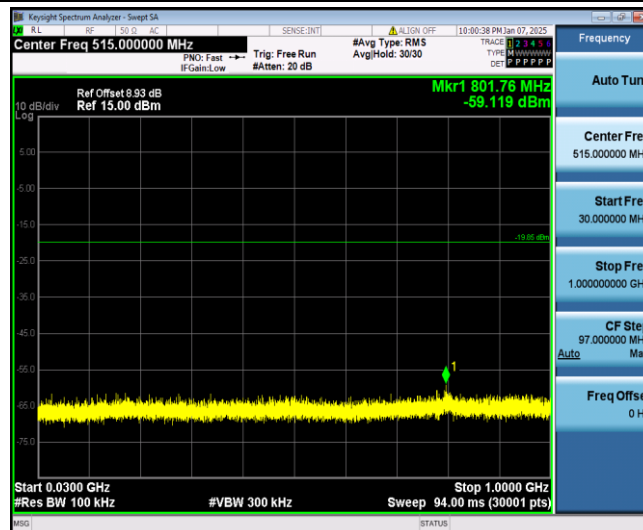
11G\_Ant1\_2462\_1000~26500



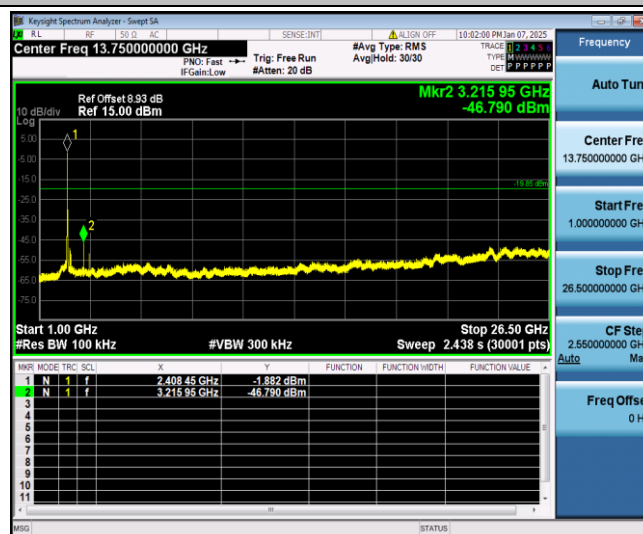
11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000

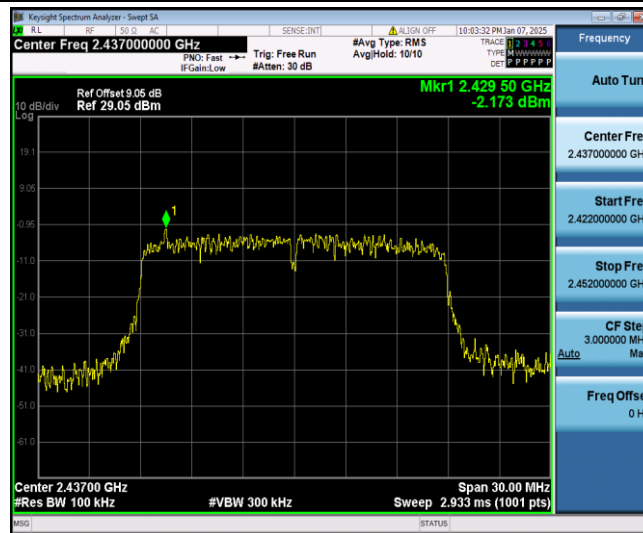


11N20SISO\_Ant1\_2412\_1000~26500

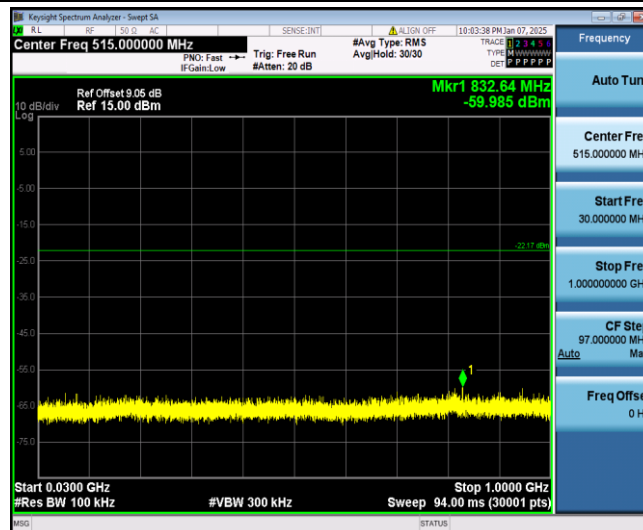


11N20SISO\_Ant1\_2437\_0~Reference

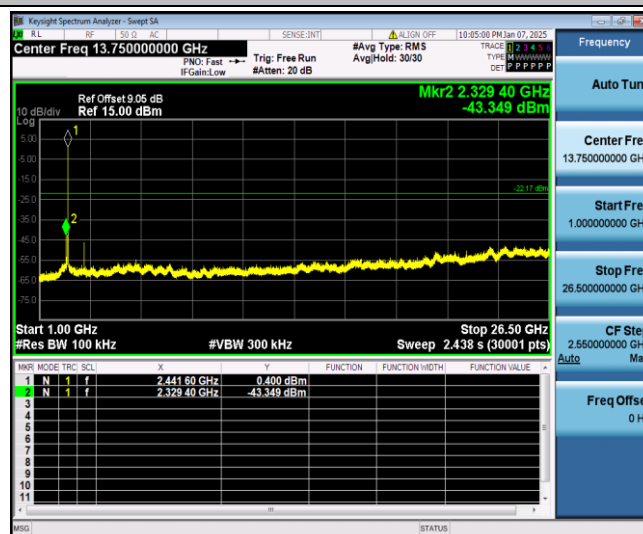




11N20SISO\_Ant1\_2437\_30~1000



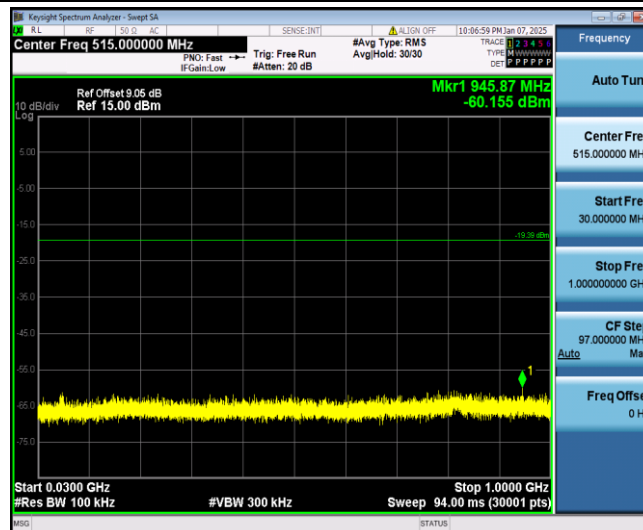
11N20SISO\_Ant1\_2437\_1000~26500



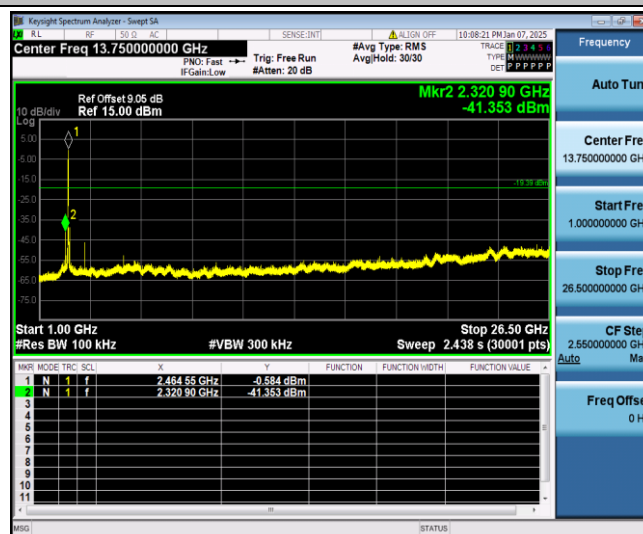
11N20SISO\_Ant1\_2462\_0~Reference



11N20SISO\_Ant1\_2462\_30~1000



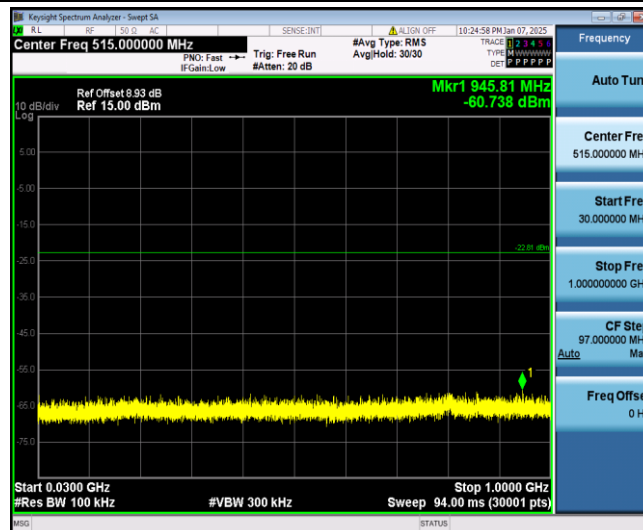
11N20SISO\_Ant1\_2462\_1000~26500



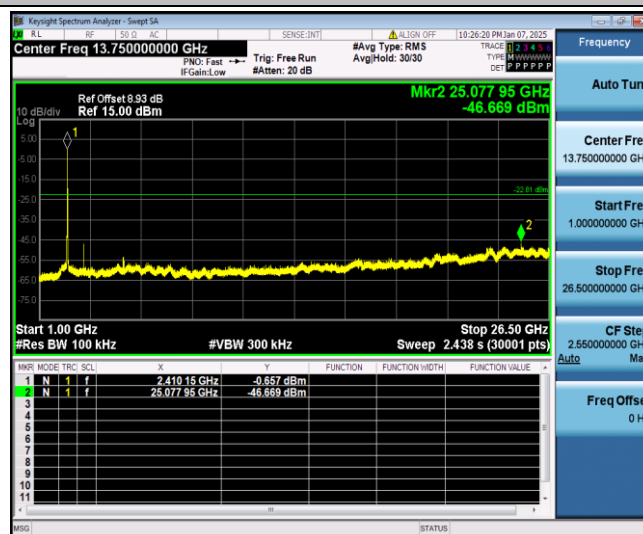
11AX20SISO\_Ant1\_2412\_0~Reference



11AX20SISO\_Ant1\_2412\_30~1000



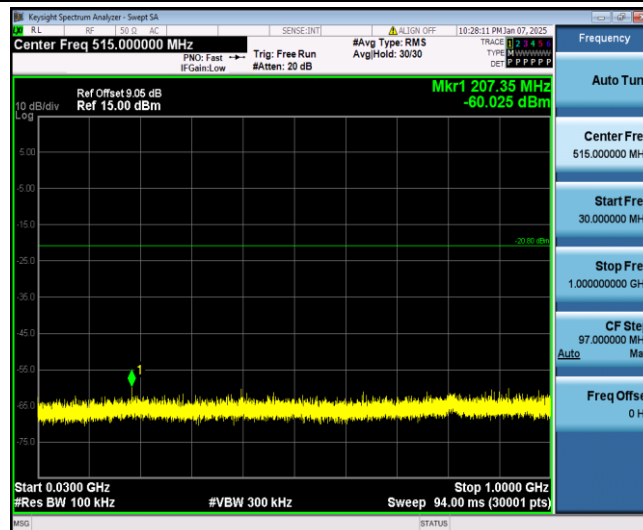
11AX20SISO\_Ant1\_2412\_1000~26500



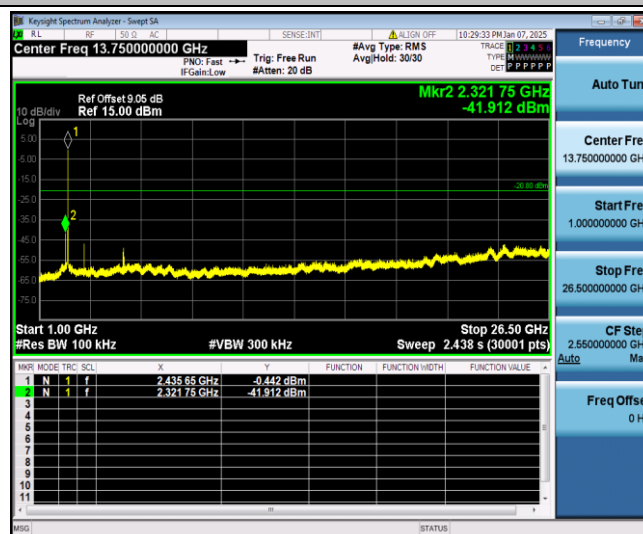
11AX20SISO\_Ant1\_2437\_0~Reference



11AX20SISO\_Ant1\_2437\_30~1000



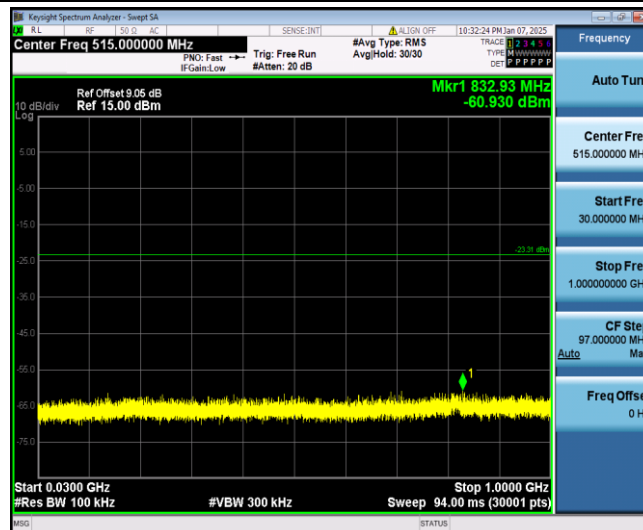
11AX20SISO\_Ant1\_2437\_1000~26500



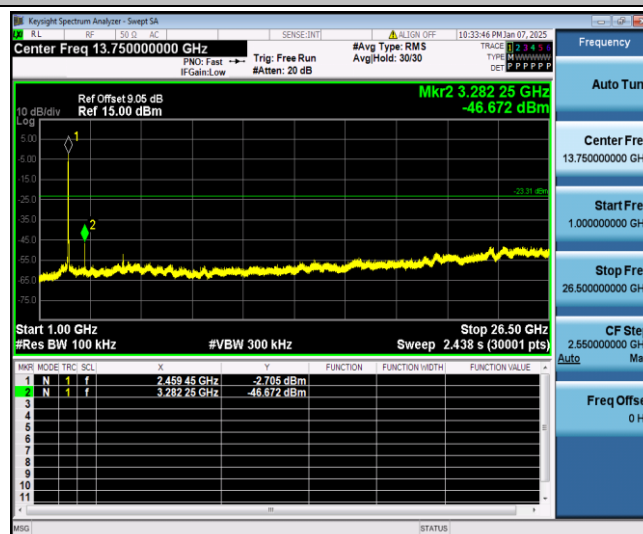
11AX20SISO\_Ant1\_2462\_0~Reference



11AX20SISO\_Ant1\_2462\_30~1000



11AX20SISO\_Ant1\_2462\_1000~26500



## Appendix B.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      | -48.53          | ≤-41.20        | 46.67              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2385.800      | -42.42          | ≤-41.20        | 52.78              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -45.27          | ≤-41.20        | 49.93              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -44.18          | ≤-21.20        | 51.02              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2386.840      | -37.65          | ≤-21.20        | 57.55              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -38.61          | ≤-21.20        | 56.59              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -46.34          | ≤-41.20        | 48.86              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2488.400      | -44.22          | ≤-41.20        | 50.98              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -47.15          | ≤-41.20        | 48.05              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -42.47          | ≤-21.20        | 52.73              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2488.400      | -38.2           | ≤-21.20        | 57.00              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -43.46          | ≤-21.20        | 51.74              | ≤74               | PASS    |
| 11G           | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.09          | ≤-41.20        | 46.11              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.960      | -43.76          | ≤-41.20        | 51.44              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -43.76          | ≤-41.20        | 51.44              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -46.91          | ≤-21.20        | 48.29              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2385.540      | -37.91          | ≤-21.20        | 57.29              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -47.34          | ≤-21.20        | 47.86              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -44.99          | ≤-41.20        | 50.21              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -45.05          | ≤-41.20        | 50.15              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.51          | ≤-41.20        | 46.69              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -39.71          | ≤-21.20        | 55.49              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2485.650      | -38.59          | ≤-21.20        | 56.61              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -45.28          | ≤-21.20        | 49.92              | ≤74               | PASS    |
| 11N20SIS<br>O | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.33          | ≤-41.20        | 45.87              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.960      | -45             | ≤-41.20        | 50.20              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -45             | ≤-41.20        | 50.20              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -44.17          | ≤-21.20        | 51.03              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2389.830      | -37.45          | ≤-21.20        | 57.75              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -37.75          | ≤-21.20        | 57.45              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -41.32          | ≤-41.20        | 53.88              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -41.44          | ≤-41.20        | 53.76              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -47.96          | ≤-41.20        | 47.24              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -40.55          | ≤-21.20        | 54.65              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2484.440      | -35.11          | ≤-21.20        | 60.09              | ≤74               | PASS    |

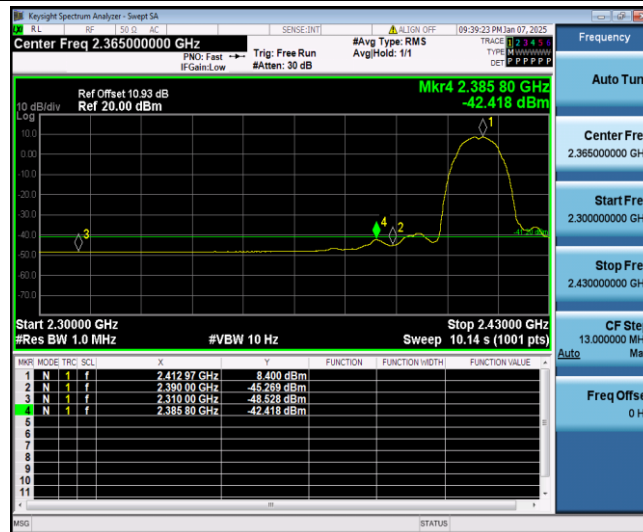
|                |      |      |      |      |          |        |               |       |           |      |
|----------------|------|------|------|------|----------|--------|---------------|-------|-----------|------|
|                |      |      |      | Peak | 2500.000 | -45.39 | $\leq -21.20$ | 49.81 | $\leq 74$ | PASS |
| 11AX20SI<br>SO | Ant1 | Low  | 2412 | AV   | 2310.000 | -49.31 | $\leq -41.20$ | 45.89 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2389.960 | -44.82 | $\leq -41.20$ | 50.38 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2390.000 | -44.82 | $\leq -41.20$ | 50.38 | $\leq 54$ | PASS |
|                |      |      |      | Peak | 2310.000 | -47.18 | $\leq -21.20$ | 48.02 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2387.230 | -37.92 | $\leq -21.20$ | 57.28 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2390.000 | -39.02 | $\leq -21.20$ | 56.18 | $\leq 74$ | PASS |
|                |      | High | 2462 | AV   | 2483.500 | -46.17 | $\leq -41.20$ | 49.03 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2483.560 | -46.21 | $\leq -41.20$ | 48.99 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2500.000 | -48.68 | $\leq -41.20$ | 46.52 | $\leq 54$ | PASS |
|                |      |      |      | Peak | 2483.500 | -42.55 | $\leq -21.20$ | 52.65 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2483.670 | -36.31 | $\leq -21.20$ | 58.89 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2500.000 | -46.06 | $\leq -21.20$ | 49.14 | $\leq 74$ | PASS |

Note:

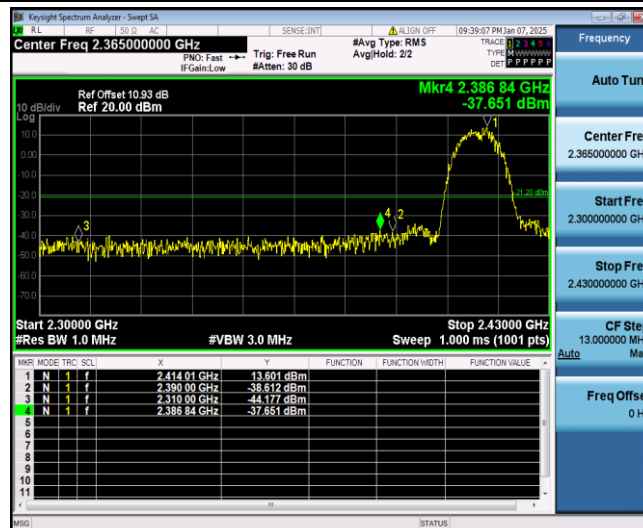
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

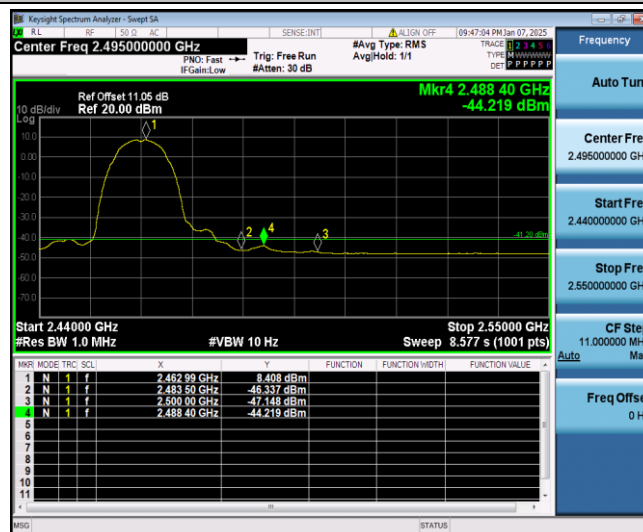
11B\_Ant1\_Low\_2412\_AV



11B\_Ant1\_Low\_2412\_Peak

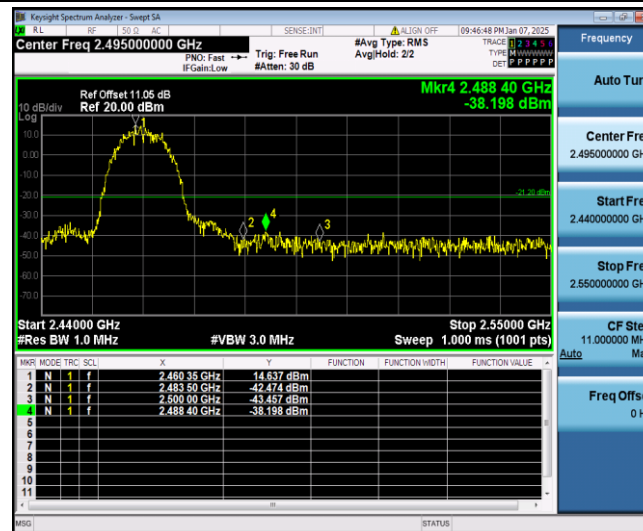


11B\_Ant1\_High\_2462\_AV

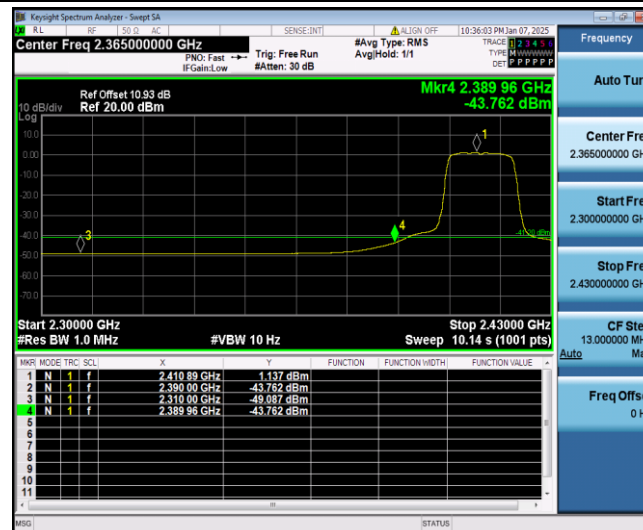


11B\_Ant1\_High\_2462\_Peak

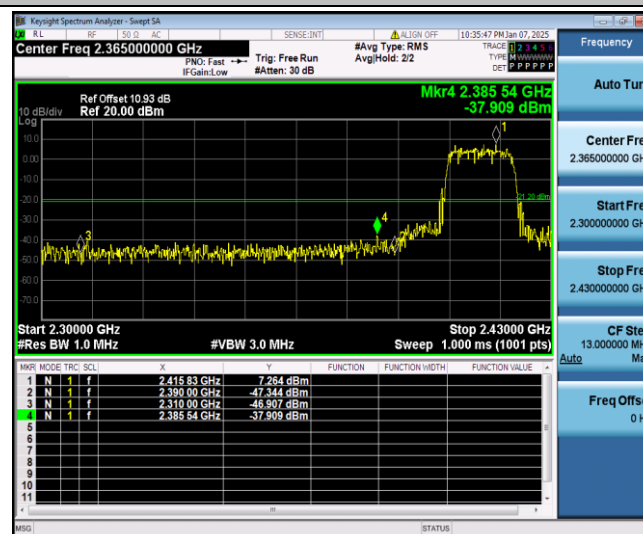




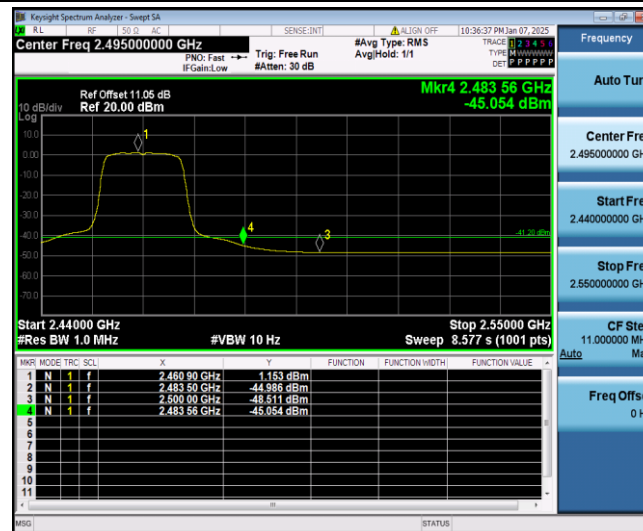
11G\_Ant1\_Low\_2412\_AV



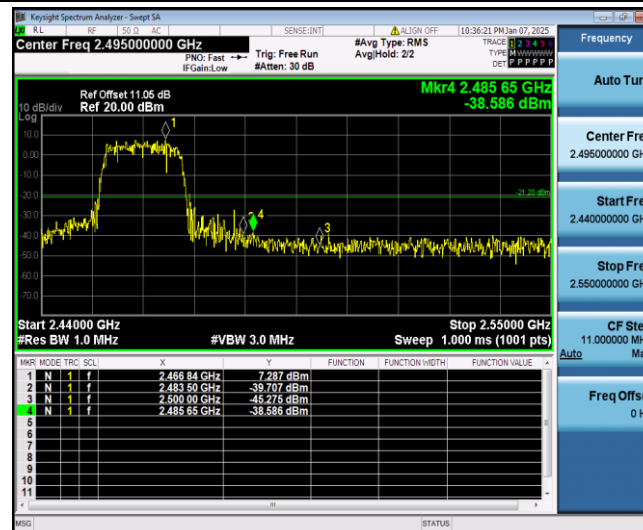
11G\_Ant1\_Low\_2412\_Peak



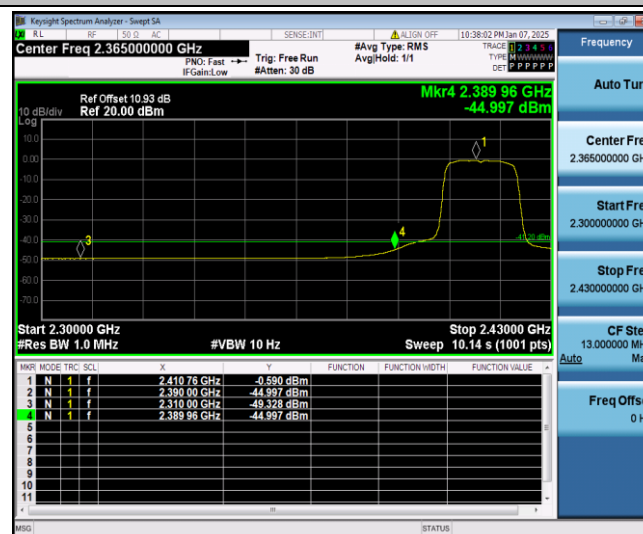
11G\_Ant1\_High\_2462\_AV



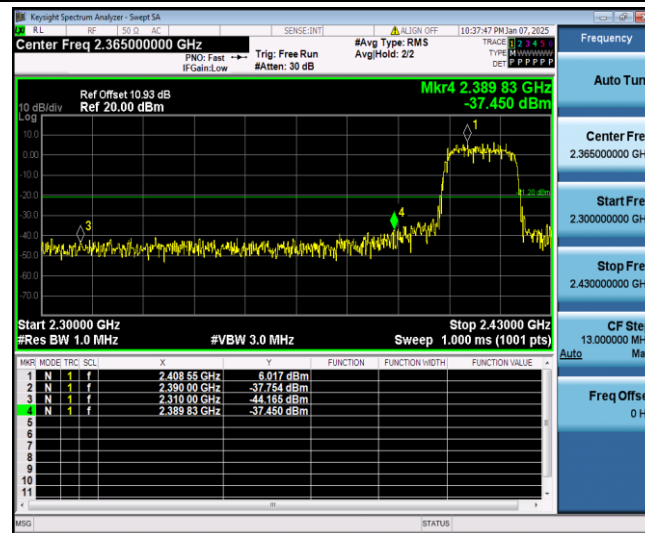
11G\_Ant1\_High\_2462\_Peak



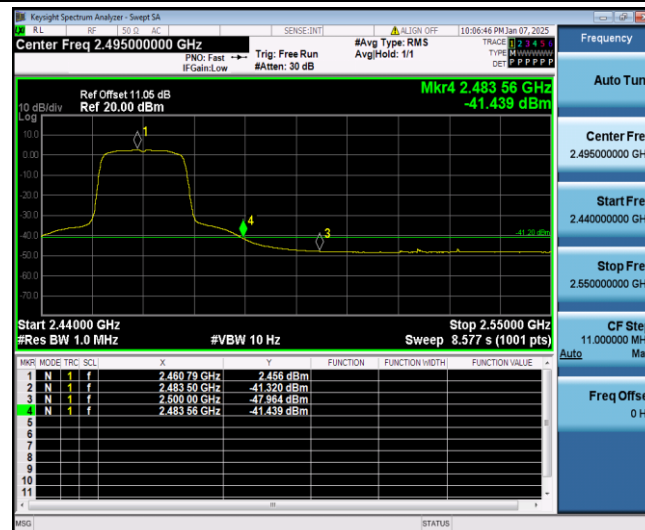
11N20SISO\_Ant1\_Low\_2412\_AV



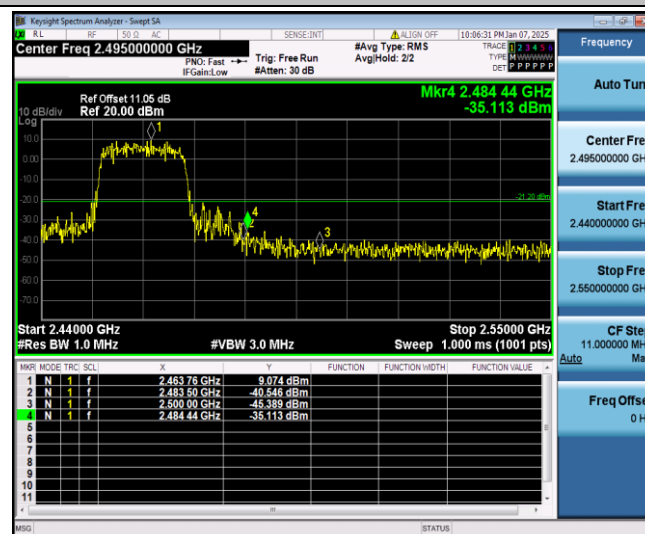
11N20SISO\_Ant1\_Low\_2412\_Peak



11N20SISO\_Ant1\_High\_2462\_AV



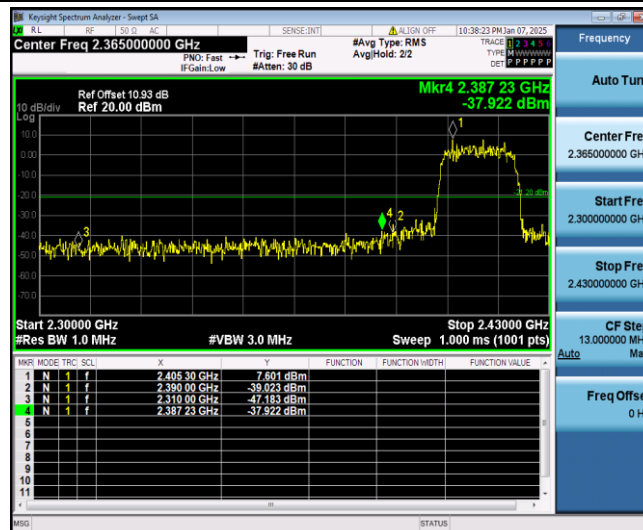
11N20SISO\_Ant1\_High\_2462\_Peak



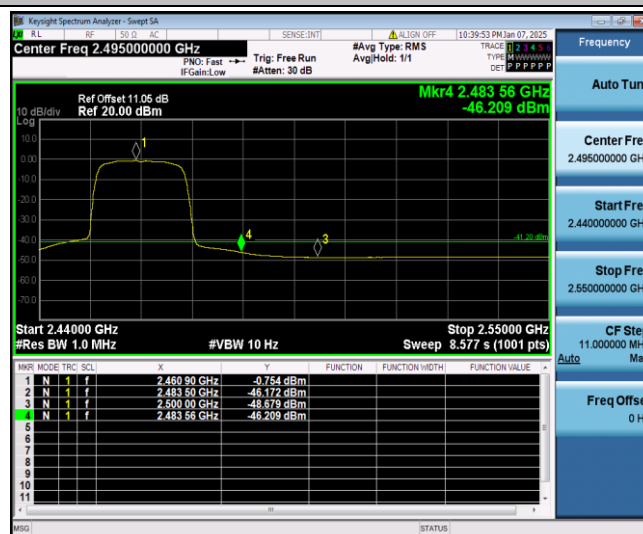
11AX20SISO\_Ant1\_Low\_2412\_AV



11AX20SISO\_Ant1\_Low\_2412\_Peak



11AX20SISO\_Ant1\_High\_2462\_AV



11AX20SISO\_Ant1\_High\_2462\_Peak

