

## Appendix B.6: Conducted Spurious Emission

### Test Result

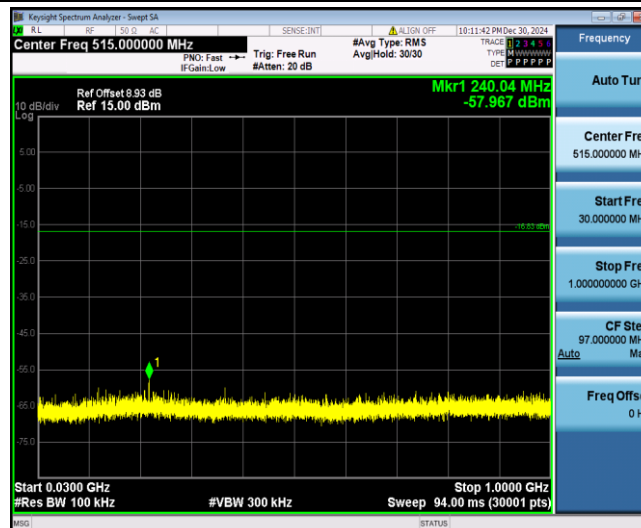
| TestMode   | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|------------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| 11B        | Ant1    | 2412           | Reference       | 3.17           | 3.17         | ---           | PASS    |
|            |         |                | 30~1000         | 3.17           | -57.97       | $\leq -16.83$ | PASS    |
|            |         |                | 1000~26500      | 3.17           | -38.84       | $\leq -16.83$ | PASS    |
|            |         | 2437           | Reference       | 5.04           | 5.04         | ---           | PASS    |
|            |         |                | 30~1000         | 5.04           | -59.43       | $\leq -14.96$ | PASS    |
|            |         |                | 1000~26500      | 5.04           | -40.06       | $\leq -14.96$ | PASS    |
|            |         | 2462           | Reference       | 5.28           | 5.28         | ---           | PASS    |
|            |         |                | 30~1000         | 5.28           | -57.32       | $\leq -14.72$ | PASS    |
|            |         |                | 1000~26500      | 5.28           | -38.28       | $\leq -14.72$ | PASS    |
| 11G        | Ant1    | 2412           | Reference       | 4.93           | 4.93         | ---           | PASS    |
|            |         |                | 30~1000         | 4.93           | -58.34       | $\leq -15.07$ | PASS    |
|            |         |                | 1000~26500      | 4.93           | -36.02       | $\leq -15.07$ | PASS    |
|            |         | 2437           | Reference       | 5.73           | 5.73         | ---           | PASS    |
|            |         |                | 30~1000         | 5.73           | -57.5        | $\leq -14.27$ | PASS    |
|            |         |                | 1000~26500      | 5.73           | -38.48       | $\leq -14.27$ | PASS    |
|            |         | 2462           | Reference       | 5.61           | 5.61         | ---           | PASS    |
|            |         |                | 30~1000         | 5.61           | -58.36       | $\leq -14.39$ | PASS    |
|            |         |                | 1000~26500      | 5.61           | -39.68       | $\leq -14.39$ | PASS    |
| 11N20SISO  | Ant1    | 2412           | Reference       | -0.78          | -0.78        | ---           | PASS    |
|            |         |                | 30~1000         | -0.78          | -58.74       | $\leq -20.78$ | PASS    |
|            |         |                | 1000~26500      | -0.78          | -46.63       | $\leq -20.78$ | PASS    |
|            |         | 2437           | Reference       | 0.67           | 0.67         | ---           | PASS    |
|            |         |                | 30~1000         | 0.67           | -58.42       | $\leq -19.33$ | PASS    |
|            |         |                | 1000~26500      | 0.67           | -46.44       | $\leq -19.33$ | PASS    |
|            |         | 2462           | Reference       | 1.22           | 1.22         | ---           | PASS    |
|            |         |                | 30~1000         | 1.22           | -59.1        | $\leq -18.78$ | PASS    |
|            |         |                | 1000~26500      | 1.22           | -40.16       | $\leq -18.78$ | PASS    |
| 11AX20SISO | Ant1    | 2412           | Reference       | -2.35          | -2.35        | ---           | PASS    |
|            |         |                | 30~1000         | -2.35          | -49.22       | $\leq -22.35$ | PASS    |
|            |         |                | 1000~26500      | -2.35          | -45.49       | $\leq -22.35$ | PASS    |
|            |         | 2437           | Reference       | -1.76          | -1.76        | ---           | PASS    |
|            |         |                | 30~1000         | -1.76          | -59.29       | $\leq -21.76$ | PASS    |
|            |         |                | 1000~26500      | -1.76          | -45.49       | $\leq -21.76$ | PASS    |
|            |         | 2462           | Reference       | -2.41          | -2.41        | ---           | PASS    |
|            |         |                | 30~1000         | -2.41          | -34.15       | $\leq -22.41$ | PASS    |
|            |         |                | 1000~26500      | -2.41          | -45.87       | $\leq -22.41$ | PASS    |

## Test Graphs

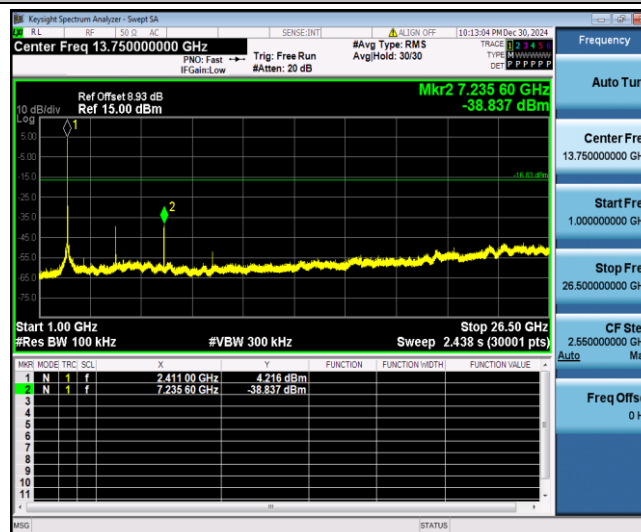
11B\_Ant1\_2412\_0-Reference



11B\_Ant1\_2412\_30-1000



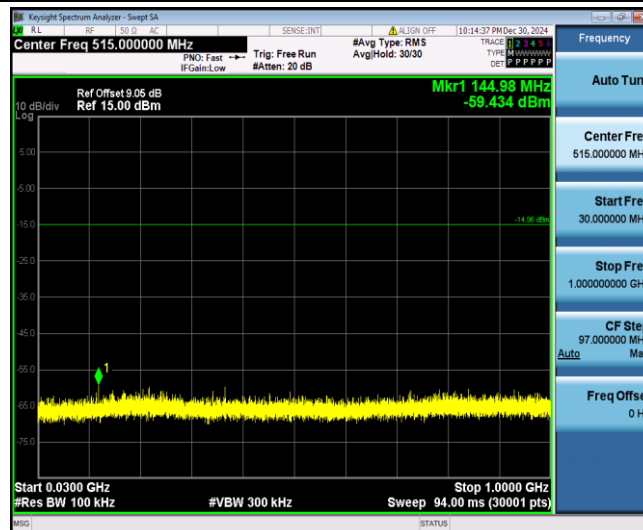
11B\_Ant1\_2412\_1000-26500



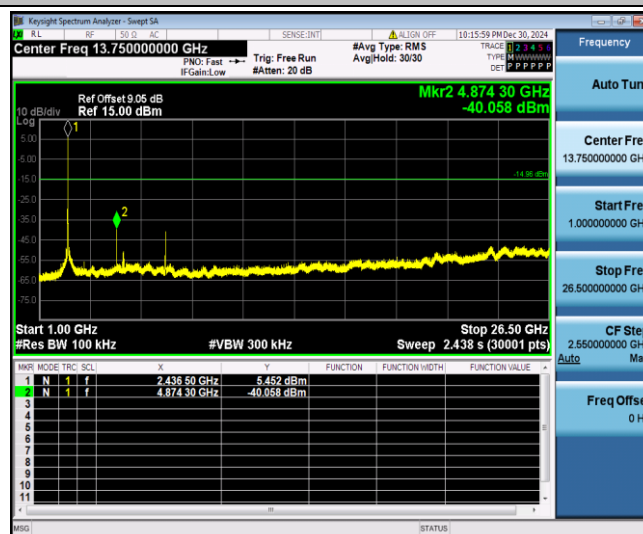
11B\_Ant1\_2437\_0-Reference



11B\_Ant1\_2437\_30~1000



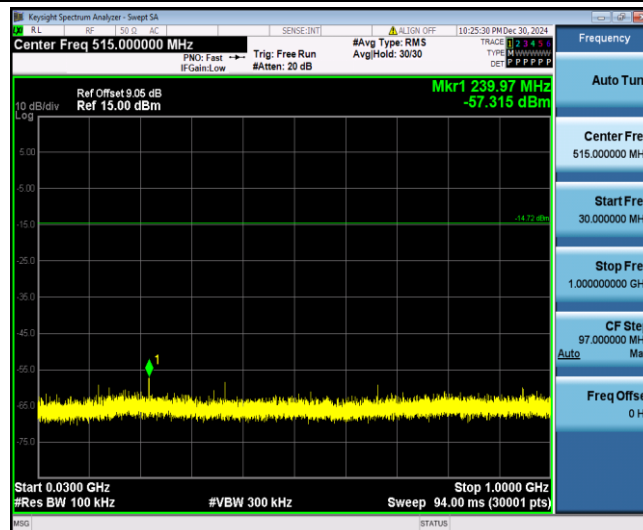
11B\_Ant1\_2437\_1000~26500



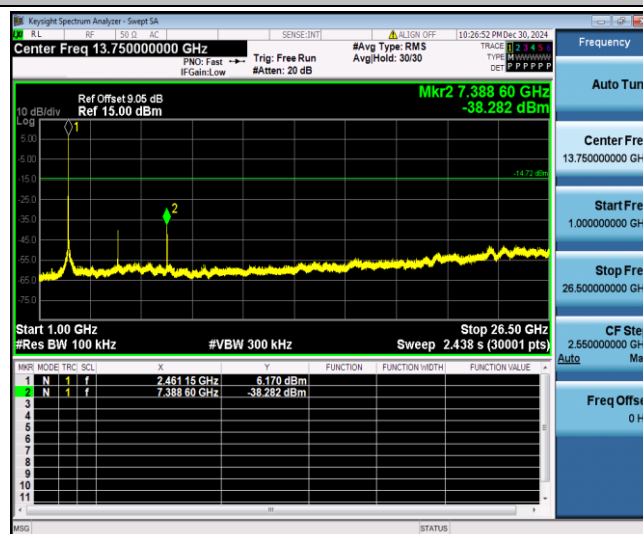
11B\_Ant1\_2462\_0~Reference



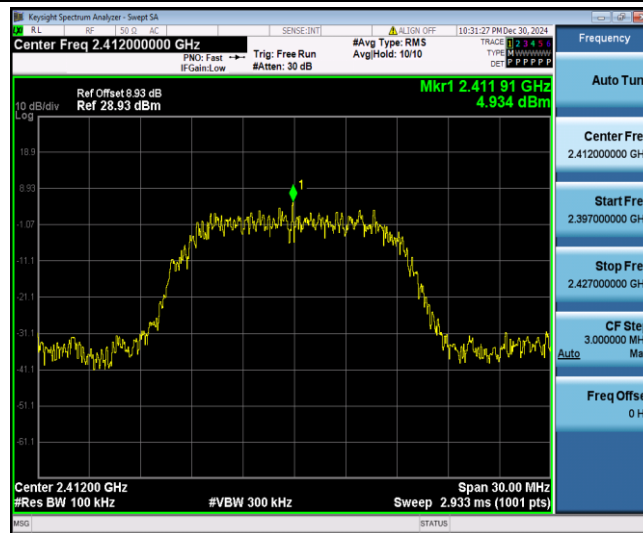
11B\_Ant1\_2462\_30~1000



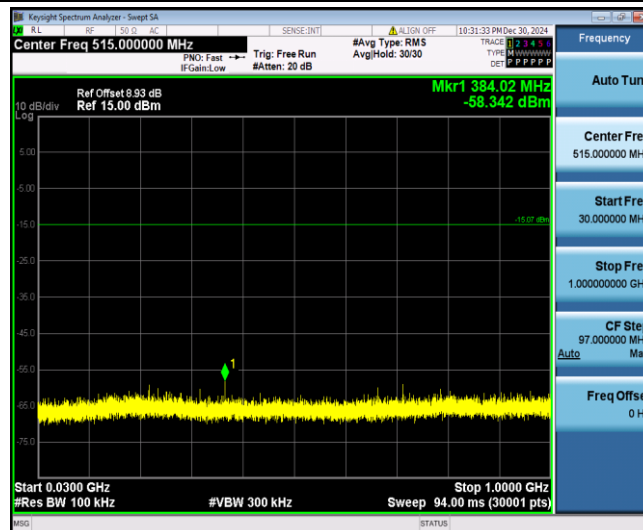
11B\_Ant1\_2462\_1000~26500



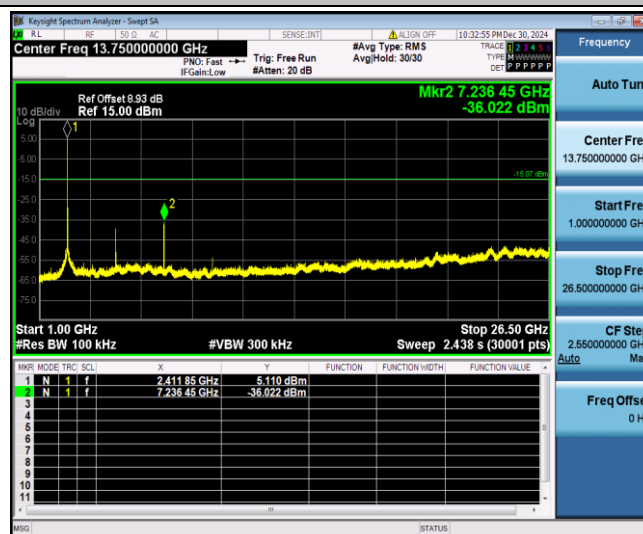
11G\_Ant1\_2412\_0~Reference



11G\_Ant1\_2412\_30~1000



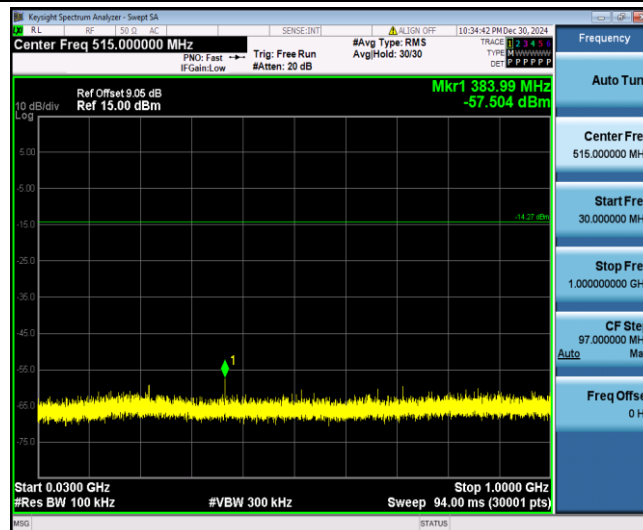
11G\_Ant1\_2412\_1000~26500



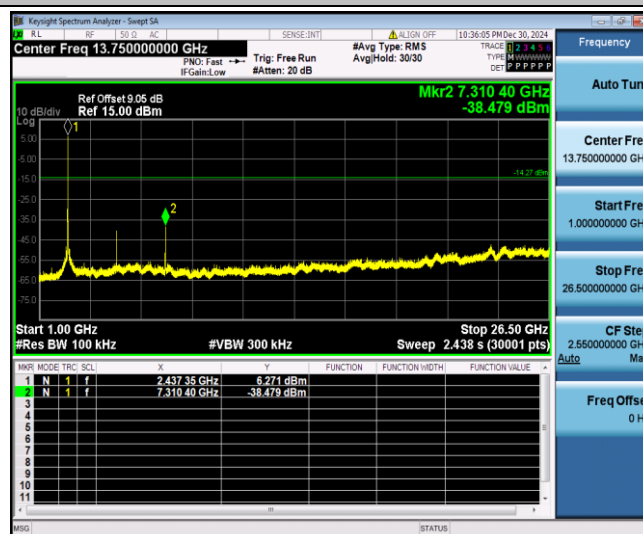
11G\_Ant1\_2437\_0~Reference



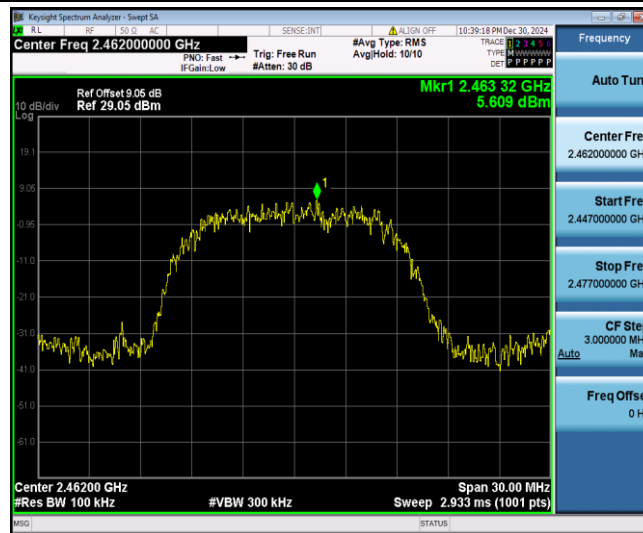
11G\_Ant1\_2437\_30~1000



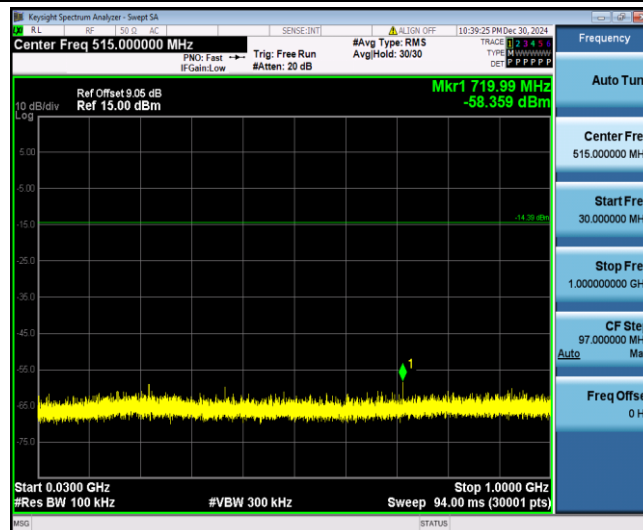
11G\_Ant1\_2437\_1000~26500



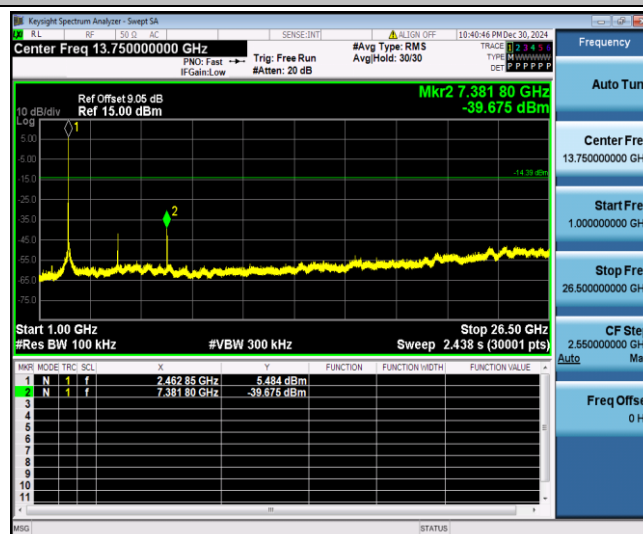
11G\_Ant1\_2462\_0~Reference



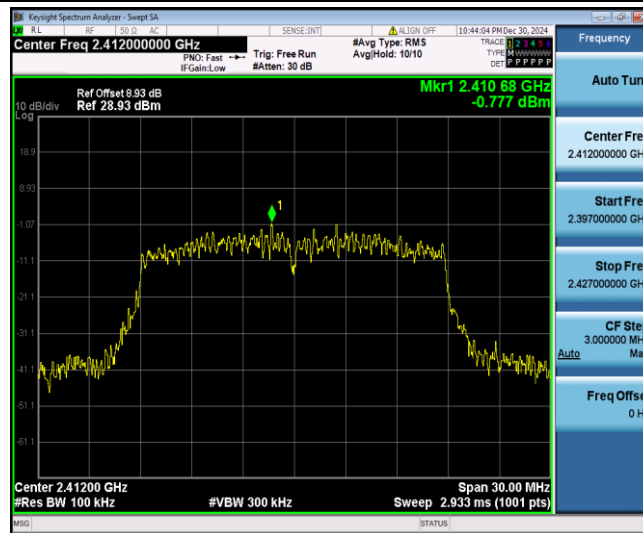
11G\_Ant1\_2462\_30~1000



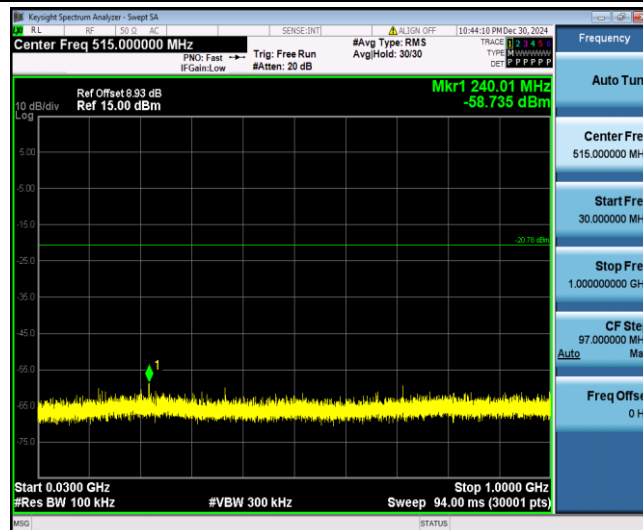
11G\_Ant1\_2462\_1000~26500



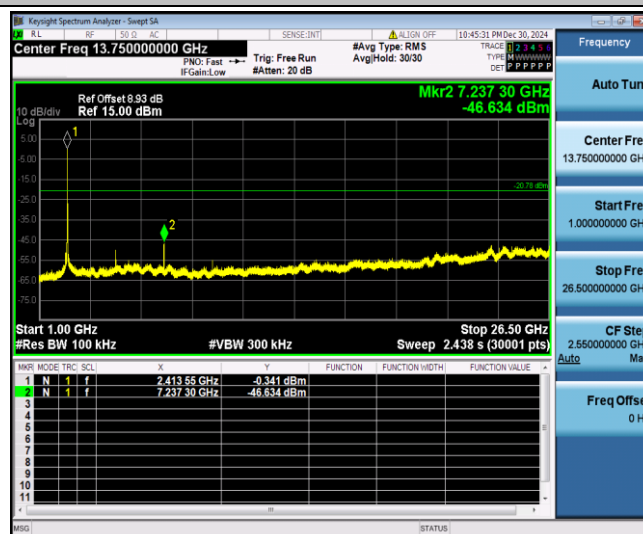
11N20SISO\_Ant1\_2412\_0~Reference



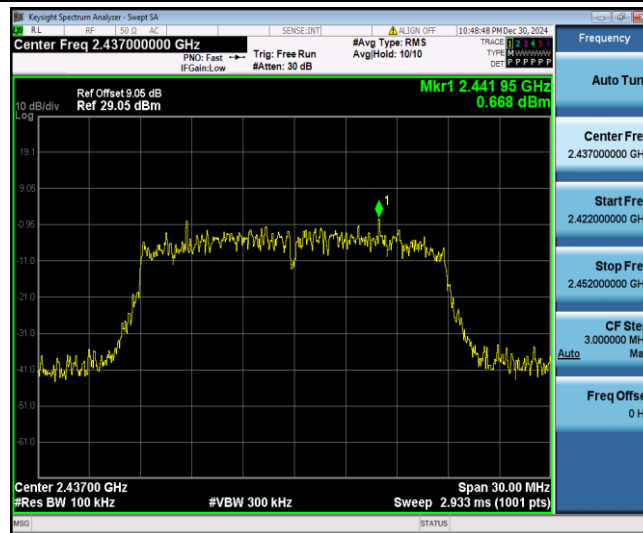
11N20SISO\_Ant1\_2412\_30~1000



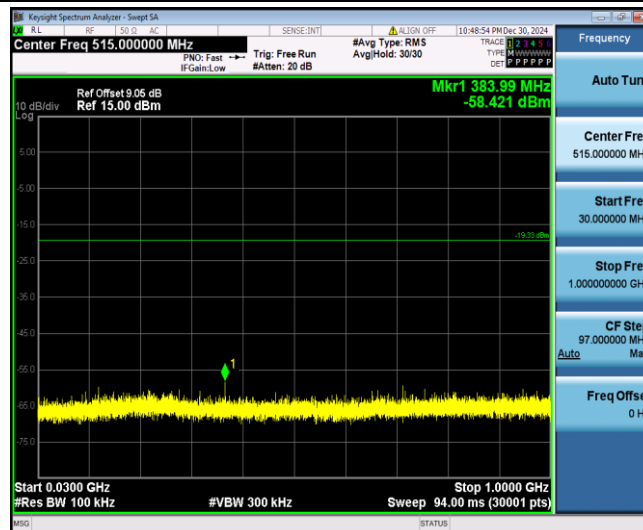
11N20SISO\_Ant1\_2412\_1000~26500



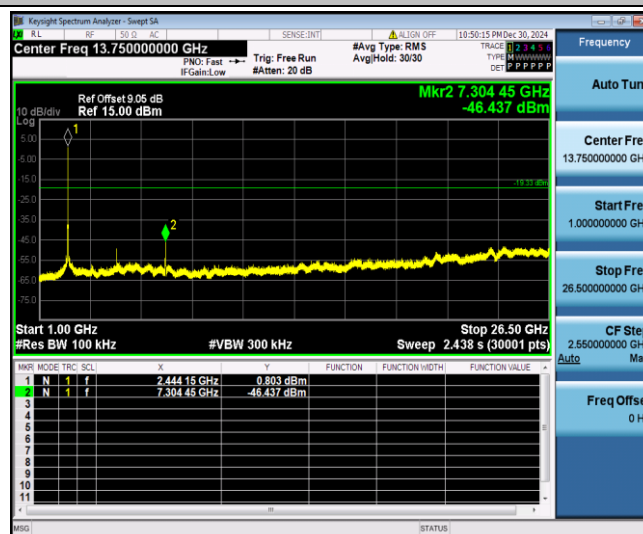
11N20SISO\_Ant1\_2437\_0~Reference



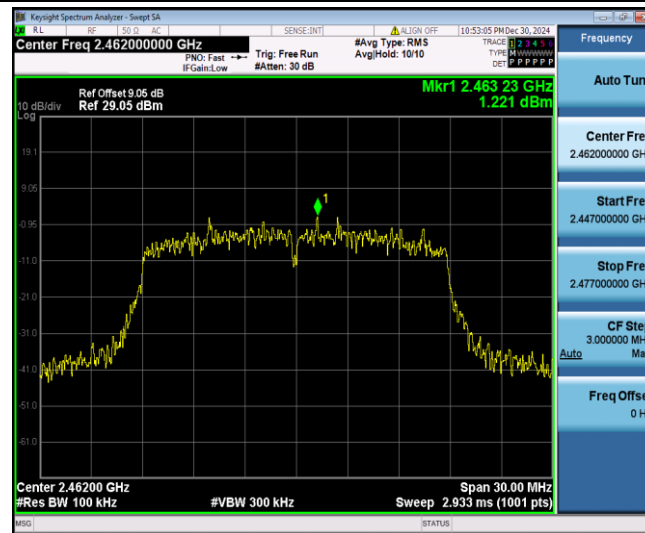
11N20SISO\_Ant1\_2437\_30~1000



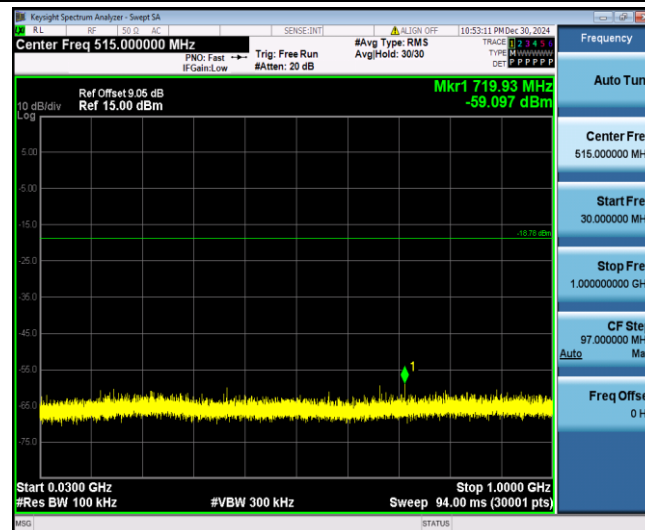
11N20SISO\_Ant1\_2437\_1000~26500



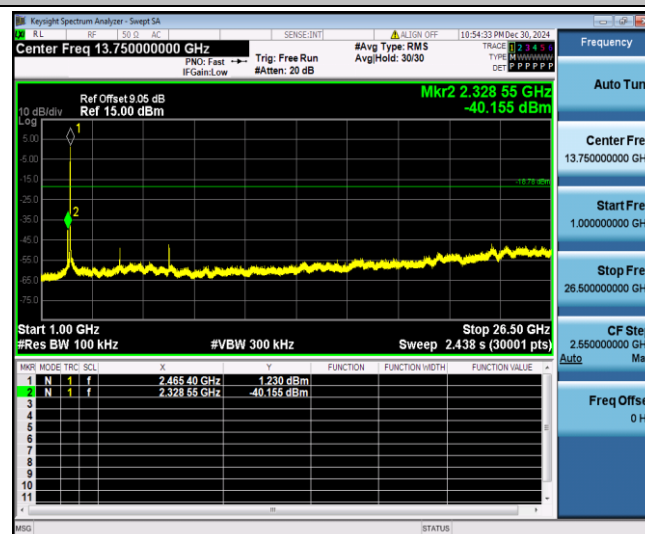
11N20SISO\_Ant1\_2462\_0~Reference



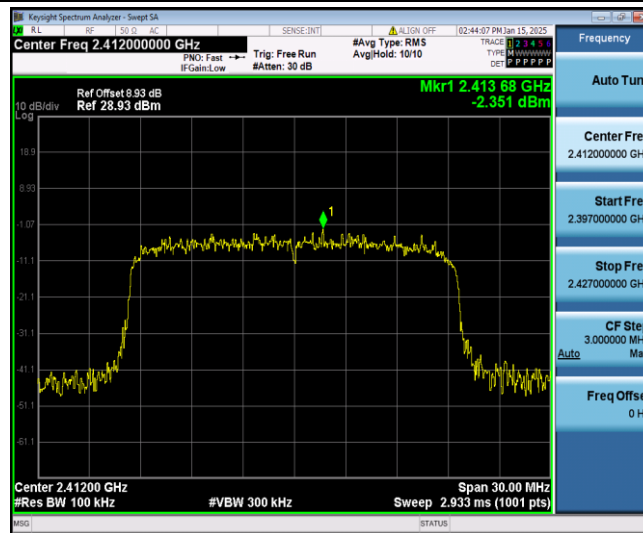
11N20SISO\_Ant1\_2462\_30~1000



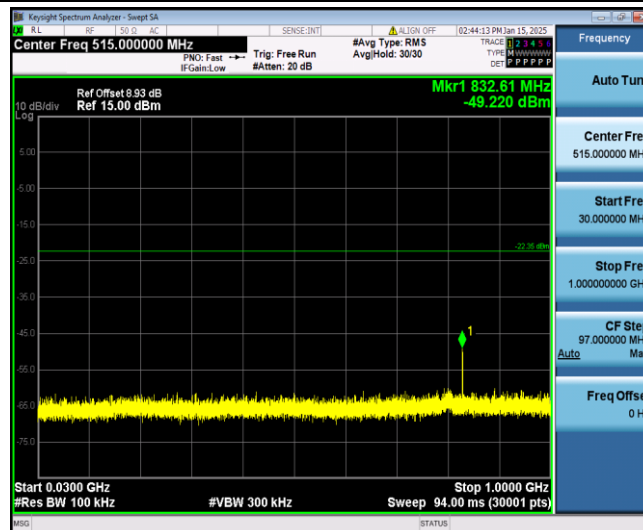
11N20SISO\_Ant1\_2462\_1000~26500



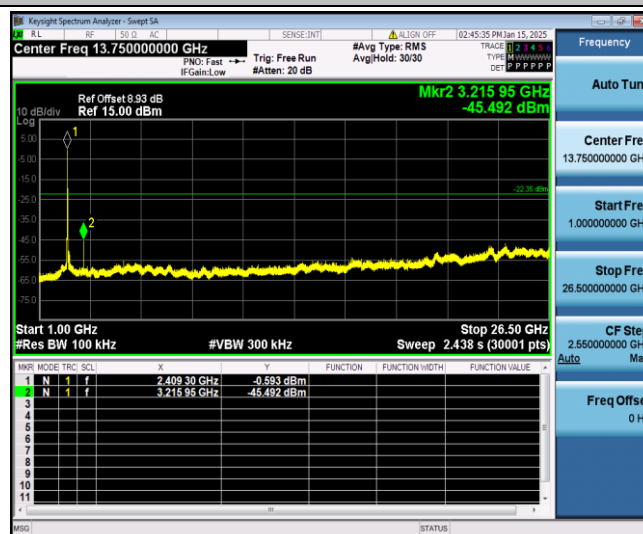
11AX20SISO\_Ant1\_2412\_0~Reference



11AX20SISO\_Ant1\_2412\_30~1000



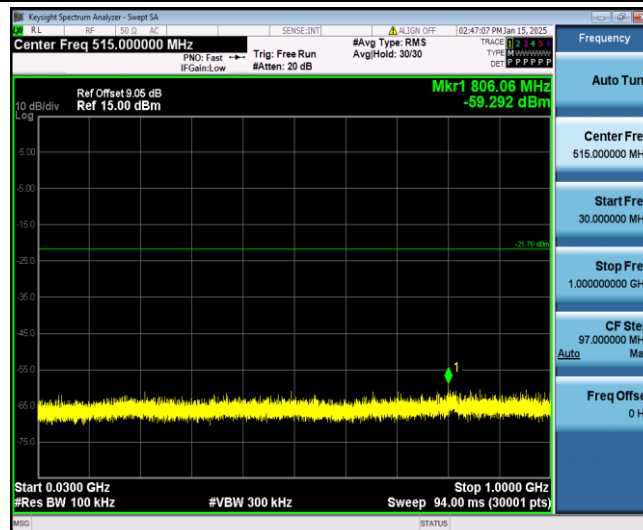
11AX20SISO\_Ant1\_2412\_1000~26500



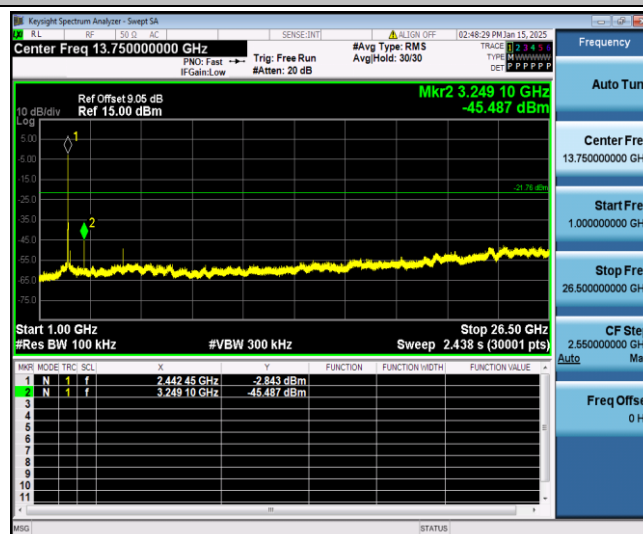
11AX20SISO\_Ant1\_2437\_0~Reference



11AX20SISO\_Ant1\_2437\_30~1000



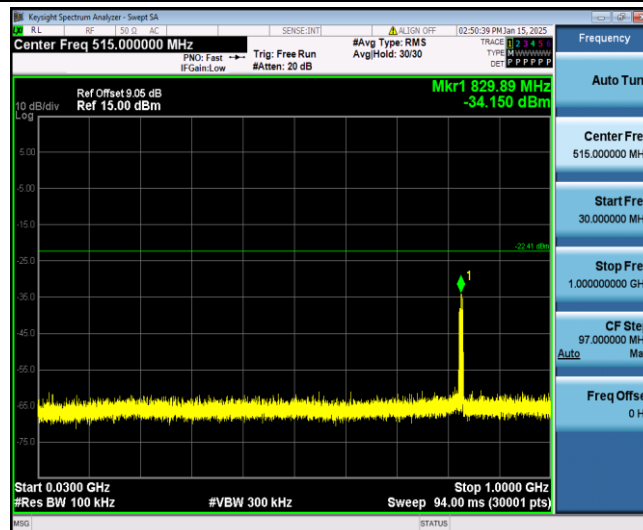
11AX20SISO\_Ant1\_2437\_1000~26500



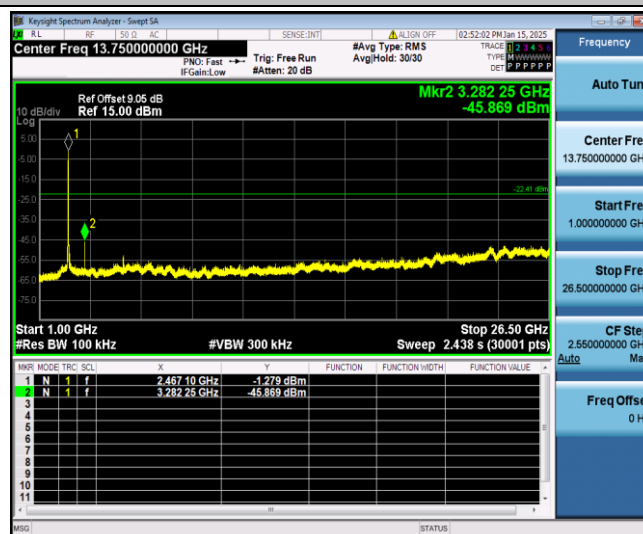
11AX20SISO\_Ant1\_2462\_0~Reference



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      | -47.9           | ≤-41.20        | 47.30              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.570      | -43.97          | ≤-41.20        | 51.23              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -44.24          | ≤-41.20        | 50.96              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -41.92          | ≤-21.20        | 53.28              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2387.880      | -37.79          | ≤-21.20        | 57.41              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -39.62          | ≤-21.20        | 55.58              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -42.79          | ≤-41.20        | 52.41              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.670      | -42.77          | ≤-41.20        | 52.43              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -46.22          | ≤-41.20        | 48.98              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -42.72          | ≤-21.20        | 52.48              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2483.670      | -36.31          | ≤-21.20        | 58.89              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -43.06          | ≤-21.20        | 52.14              | ≤74               | PASS    |
| 11G           | Ant1    | Low    | 2412               | AV       | 2310.000      | -47.57          | ≤-41.20        | 47.63              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.960      | -44.88          | ≤-41.20        | 50.32              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -44.88          | ≤-41.20        | 50.32              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -43.12          | ≤-21.20        | 52.08              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2379.300      | -38.52          | ≤-21.20        | 56.68              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -43.31          | ≤-21.20        | 51.89              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -43.4           | ≤-41.20        | 51.80              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -43.41          | ≤-41.20        | 51.79              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -46.29          | ≤-41.20        | 48.91              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -40.04          | ≤-21.20        | 55.16              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2486.970      | -35.67          | ≤-21.20        | 59.53              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -47.03          | ≤-21.20        | 48.17              | ≤74               | PASS    |
| 11N20SIS<br>O | Ant1    | Low    | 2412               | AV       | 2310.000      | -48.47          | ≤-41.20        | 46.73              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.960      | -44.23          | ≤-41.20        | 50.97              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -44.23          | ≤-41.20        | 50.97              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -41.79          | ≤-21.20        | 53.41              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2383.590      | -37.89          | ≤-21.20        | 57.31              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -44.04          | ≤-21.20        | 51.16              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -42.07          | ≤-41.20        | 53.13              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -42.2           | ≤-41.20        | 53.00              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -47.51          | ≤-41.20        | 47.69              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -40.55          | ≤-21.20        | 54.65              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2485.980      | -36.51          | ≤-21.20        | 58.69              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -44.85          | ≤-21.20        | 50.35              | ≤74               | PASS    |

|                |      |      |      |      |          |        |               |       |           |      |
|----------------|------|------|------|------|----------|--------|---------------|-------|-----------|------|
| 11AX20SI<br>SO | Ant1 | Low  | 2412 | AV   | 2310.000 | -49.03 | $\leq -41.20$ | 46.17 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2389.960 | -41.56 | $\leq -41.20$ | 53.64 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2390.000 | -41.56 | $\leq -41.20$ | 53.64 | $\leq 54$ | PASS |
|                |      |      |      | Peak | 2310.000 | -48.41 | $\leq -21.20$ | 46.79 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2387.230 | -34.13 | $\leq -21.20$ | 61.07 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2390.000 | -38.22 | $\leq -21.20$ | 56.98 | $\leq 74$ | PASS |
|                |      | High | 2462 | AV   | 2483.500 | -43.73 | $\leq -41.20$ | 51.47 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2483.560 | -43.81 | $\leq -41.20$ | 51.39 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2500.000 | -48.21 | $\leq -41.20$ | 46.99 | $\leq 54$ | PASS |
|                |      |      |      | Peak | 2483.500 | -42.16 | $\leq -21.20$ | 53.04 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2485.760 | -37    | $\leq -21.20$ | 58.20 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2500.000 | -47.23 | $\leq -21.20$ | 47.97 | $\leq 74$ | PASS |

Note:

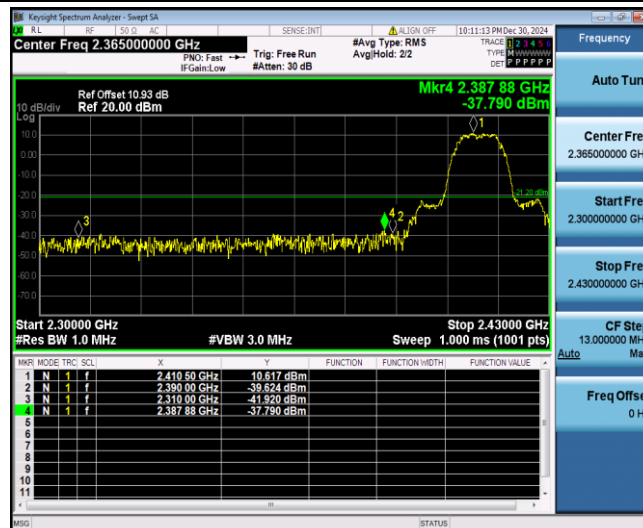
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

11B\_Ant1\_Low\_2412\_AV



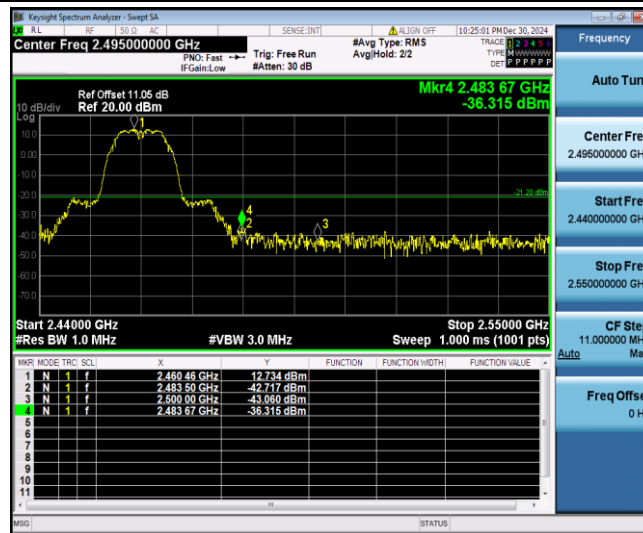
11B\_Ant1\_Low\_2412\_Peak



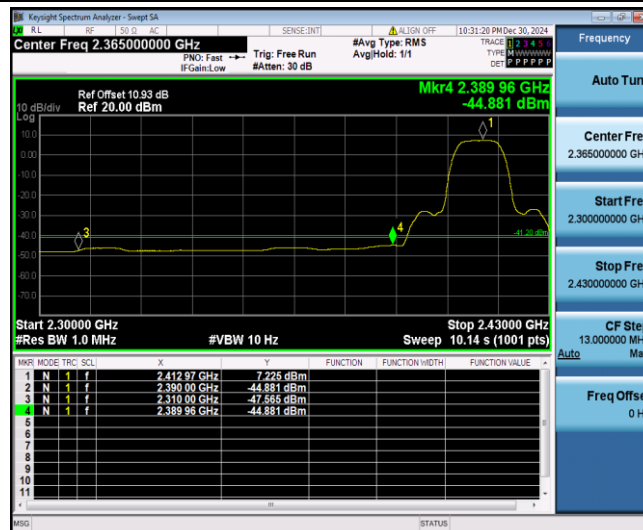
11B\_Ant1\_High\_2462\_AV



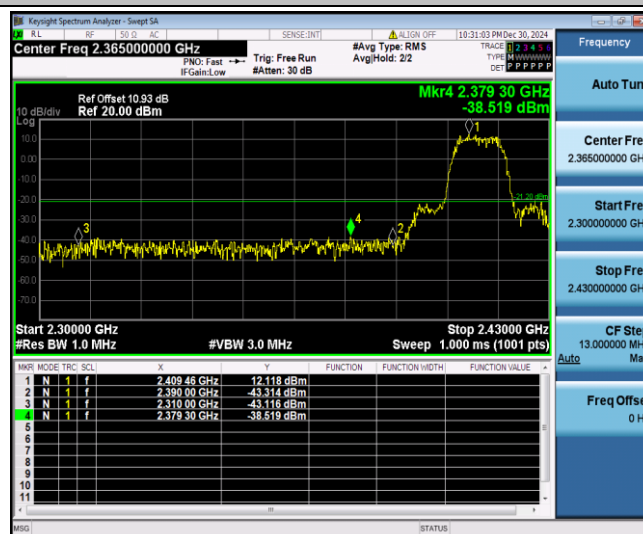
11B\_Ant1\_High\_2462\_Peak



11G\_Ant1\_Low\_2412\_AV



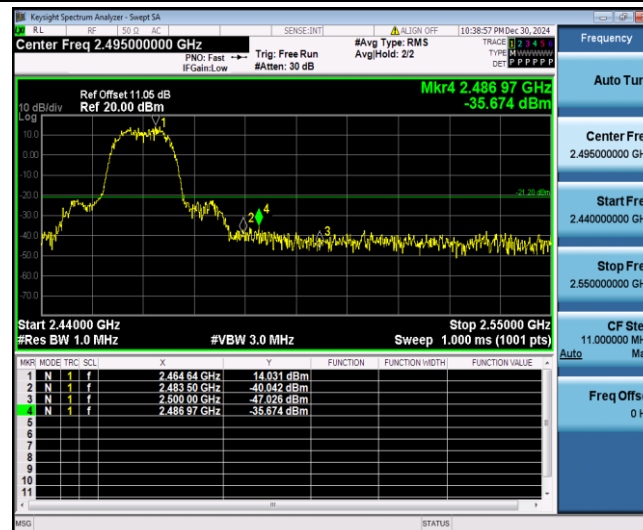
11G\_Ant1\_Low\_2412\_Peak



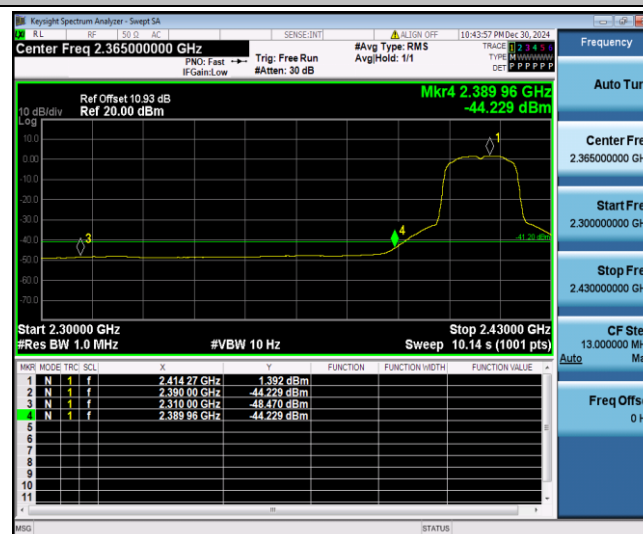
11G\_Ant1\_High\_2462\_AV



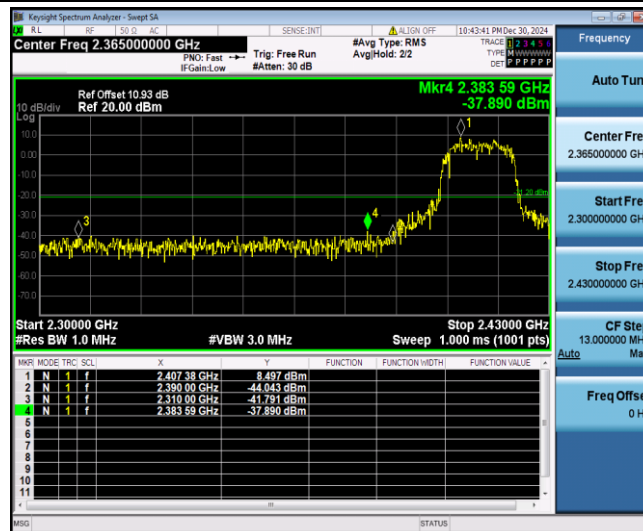
11G\_Ant1\_High\_2462\_Peak



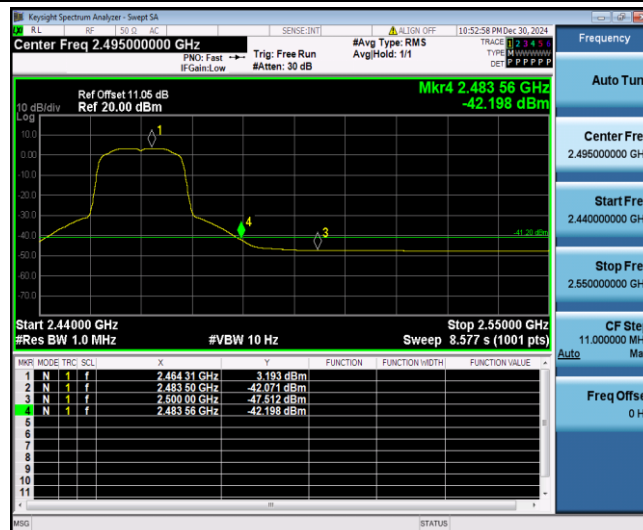
11N20SISO\_Ant1\_Low\_2412\_AV



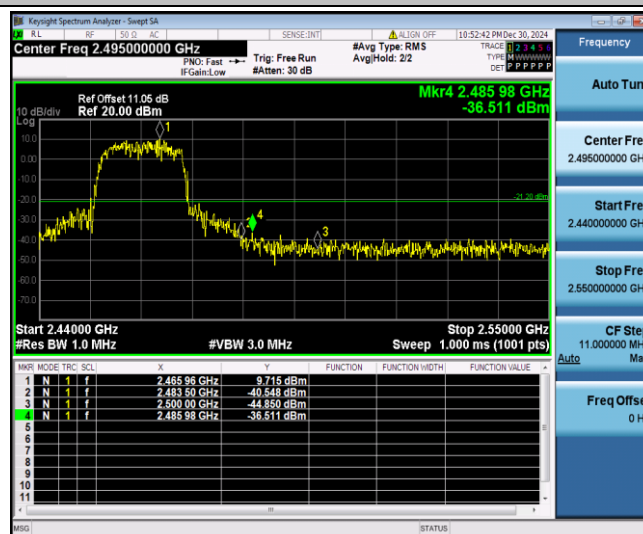
11N20SISO\_Ant1\_Low\_2412\_Peak



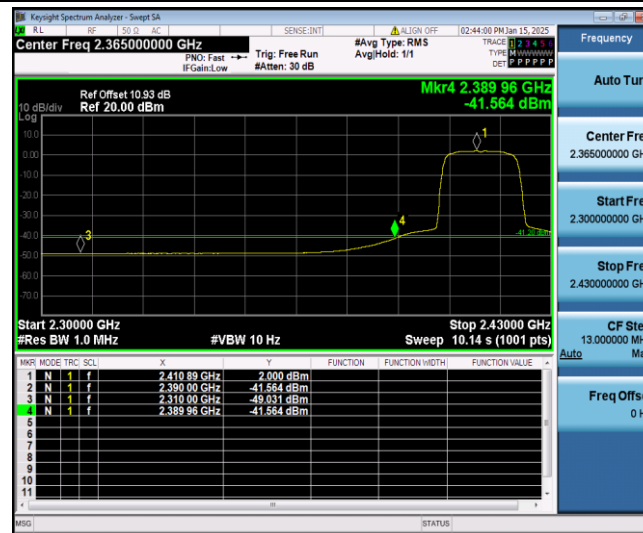
11N20SISO\_Ant1\_High\_2462\_AV



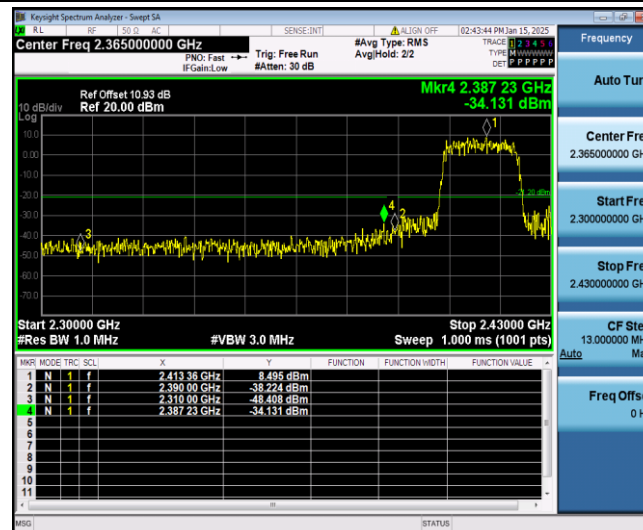
11N20SISO\_Ant1\_High\_2462\_Peak



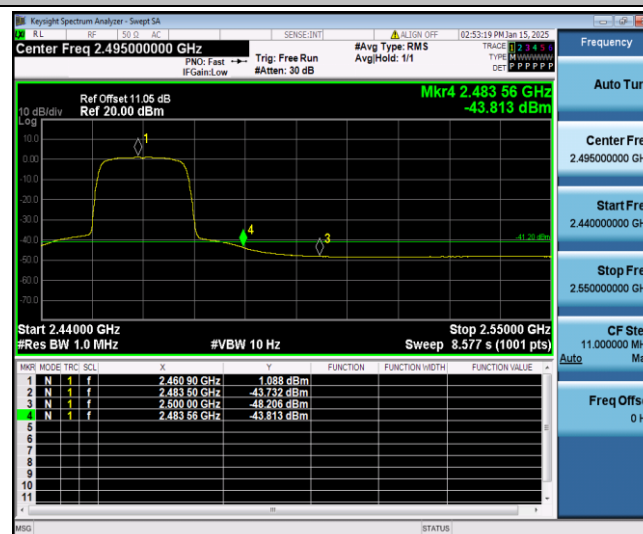
11AX20SISO\_Ant1\_Low\_2412\_AV



11AX20SISO\_Ant1\_Low\_2412\_Peak



11AX20SISO\_Ant1\_High\_2462\_AV



11AX20SISO\_Ant1\_High\_2462\_Peak

