

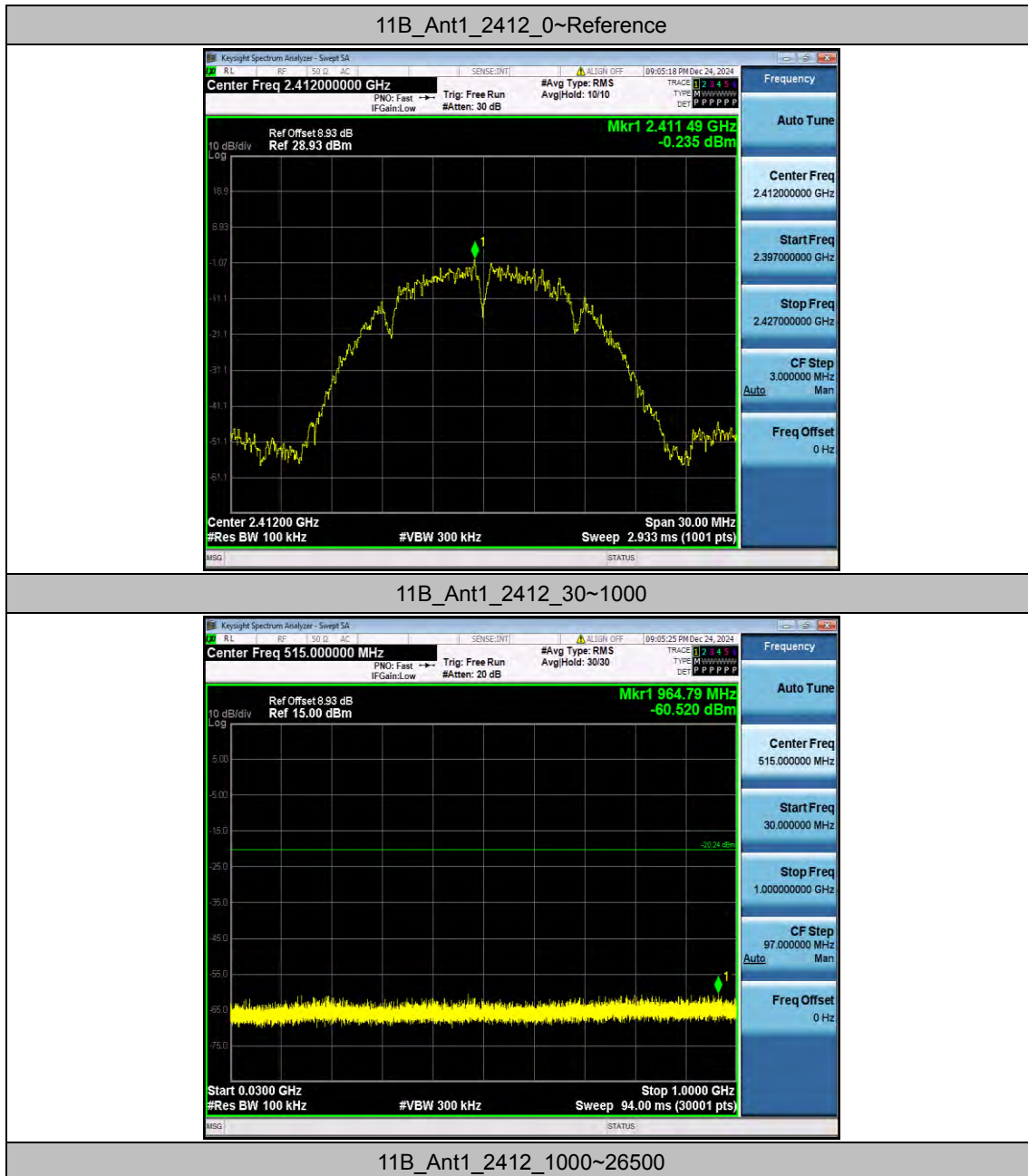
## Appendix C.6: Conducted Spurious Emission

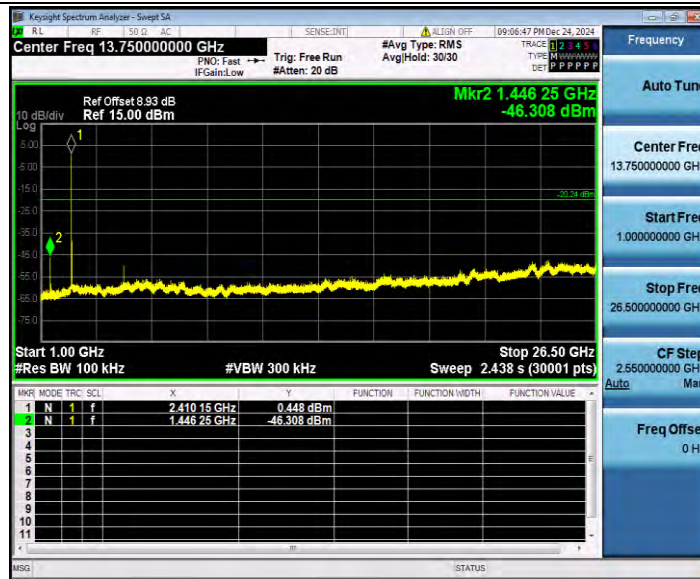
### Test Result

| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| 11B       | Ant1    | 2412           | Reference       | -0.24          | -0.24        | ---           | PASS    |
|           |         |                | 30~1000         | -0.24          | -60.52       | $\leq -20.24$ | PASS    |
|           |         |                | 1000~26500      | -0.24          | -46.31       | $\leq -20.24$ | PASS    |
|           |         | 2437           | Reference       | 1.12           | 1.12         | ---           | PASS    |
|           |         |                | 30~1000         | 1.12           | -59.83       | $\leq -18.88$ | PASS    |
|           |         |                | 1000~26500      | 1.12           | -46.78       | $\leq -18.88$ | PASS    |
|           |         | 2462           | Reference       | 1.00           | 1.00         | ---           | PASS    |
|           |         |                | 30~1000         | 1.00           | -59.6        | $\leq -19$    | PASS    |
|           |         |                | 1000~26500      | 1.00           | -46.69       | $\leq -19$    | PASS    |
| 11G       | Ant1    | 2412           | Reference       | -8.12          | -8.12        | ---           | PASS    |
|           |         |                | 30~1000         | -8.12          | -60.87       | $\leq -28.12$ | PASS    |
|           |         |                | 1000~26500      | -8.12          | -48.16       | $\leq -28.12$ | PASS    |
|           |         | 2437           | Reference       | -4.69          | -4.69        | ---           | PASS    |
|           |         |                | 30~1000         | -4.69          | -60.25       | $\leq -24.69$ | PASS    |
|           |         |                | 1000~26500      | -4.69          | -48.19       | $\leq -24.69$ | PASS    |
|           |         | 2462           | Reference       | -4.89          | -4.89        | ---           | PASS    |
|           |         |                | 30~1000         | -4.89          | -59.64       | $\leq -24.89$ | PASS    |
|           |         |                | 1000~26500      | -4.89          | -47.83       | $\leq -24.89$ | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | -4.46          | -4.46        | ---           | PASS    |
|           |         |                | 30~1000         | -4.46          | -59.99       | $\leq -24.46$ | PASS    |
|           |         |                | 1000~26500      | -4.46          | -47.69       | $\leq -24.46$ | PASS    |
|           |         | 2437           | Reference       | -2.41          | -2.41        | ---           | PASS    |
|           |         |                | 30~1000         | -2.41          | -60.43       | $\leq -22.41$ | PASS    |
|           |         |                | 1000~26500      | -2.41          | -48          | $\leq -22.41$ | PASS    |
|           |         | 2462           | Reference       | -1.64          | -1.64        | ---           | PASS    |
|           |         |                | 30~1000         | -1.64          | -60.05       | $\leq -21.64$ | PASS    |
|           |         |                | 1000~26500      | -1.64          | -47.67       | $\leq -21.64$ | PASS    |
| 11N40SISO | Ant1    | 2422           | Reference       | -8.87          | -8.87        | ---           | PASS    |
|           |         |                | 30~1000         | -8.87          | -60.26       | $\leq -28.87$ | PASS    |
|           |         |                | 1000~26500      | -8.87          | -48.05       | $\leq -28.87$ | PASS    |
|           |         | 2437           | Reference       | -5.04          | -5.04        | ---           | PASS    |
|           |         |                | 30~1000         | -5.04          | -60.2        | $\leq -25.04$ | PASS    |
|           |         |                | 1000~26500      | -5.04          | -47.9        | $\leq -25.04$ | PASS    |
|           |         | 2452           | Reference       | -5.48          | -5.48        | ---           | PASS    |
|           |         |                | 30~1000         | -5.48          | -60.35       | $\leq -25.48$ | PASS    |
|           |         |                | 1000~26500      | -5.48          | -46.77       | $\leq -25.48$ | PASS    |

|            |      |      |            |       |        |               |      |
|------------|------|------|------------|-------|--------|---------------|------|
| 11AX20SISO | Ant1 | 2412 | Reference  | -5.21 | -5.21  | ---           | PASS |
|            |      |      | 30~1000    | -5.21 | -59.72 | $\leq -25.21$ | PASS |
|            |      |      | 1000~26500 | -5.21 | -47.67 | $\leq -25.21$ | PASS |
|            |      | 2437 | Reference  | -4.80 | -4.80  | ---           | PASS |
|            |      |      | 30~1000    | -4.80 | -60.17 | $\leq -24.8$  | PASS |
|            |      |      | 1000~26500 | -4.80 | -47.07 | $\leq -24.8$  | PASS |
|            |      | 2462 | Reference  | -4.91 | -4.91  | ---           | PASS |
|            |      |      | 30~1000    | -4.91 | -59.2  | $\leq -24.91$ | PASS |
|            |      |      | 1000~26500 | -4.91 | -48.03 | $\leq -24.91$ | PASS |
| 11AX40SISO | Ant1 | 2422 | Reference  | -7.42 | -7.42  | ---           | PASS |
|            |      |      | 30~1000    | -7.42 | -60.42 | $\leq -27.42$ | PASS |
|            |      |      | 1000~26500 | -7.42 | -47.74 | $\leq -27.42$ | PASS |
|            |      | 2437 | Reference  | -6.66 | -6.66  | ---           | PASS |
|            |      |      | 30~1000    | -6.66 | -60.19 | $\leq -26.66$ | PASS |
|            |      |      | 1000~26500 | -6.66 | -47.65 | $\leq -26.66$ | PASS |
|            |      | 2452 | Reference  | -5.63 | -5.63  | ---           | PASS |
|            |      |      | 30~1000    | -5.63 | -60.65 | $\leq -25.63$ | PASS |
|            |      |      | 1000~26500 | -5.63 | -47.88 | $\leq -25.63$ | PASS |

## Test Graphs

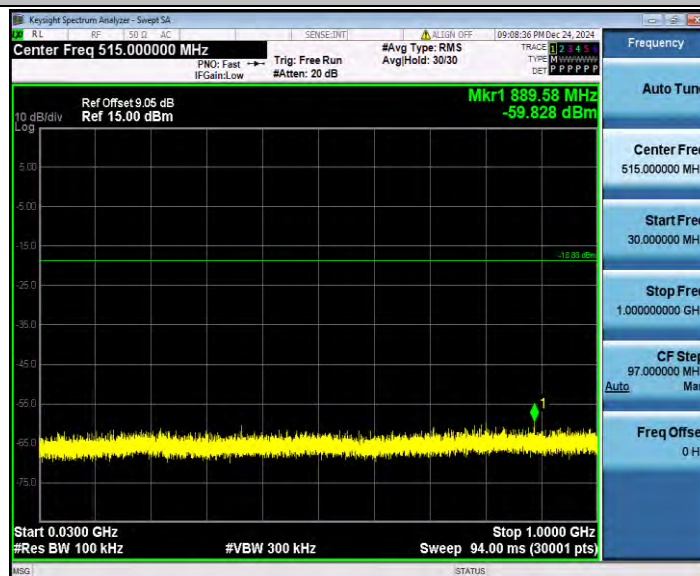




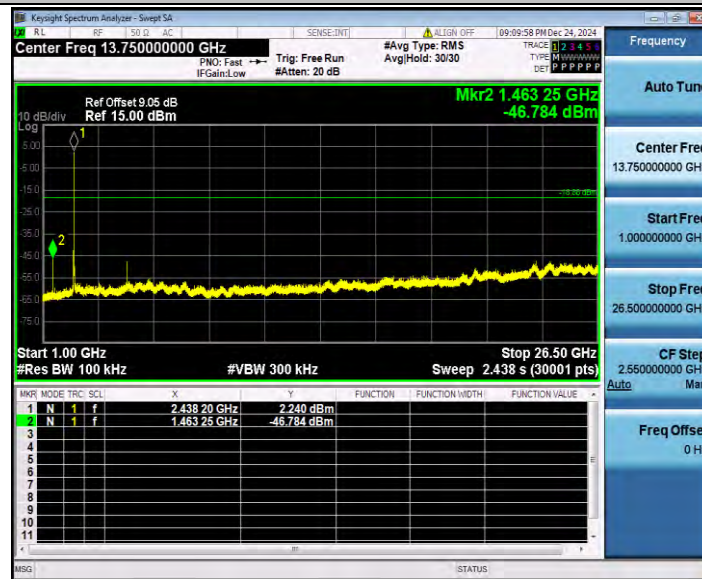
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



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

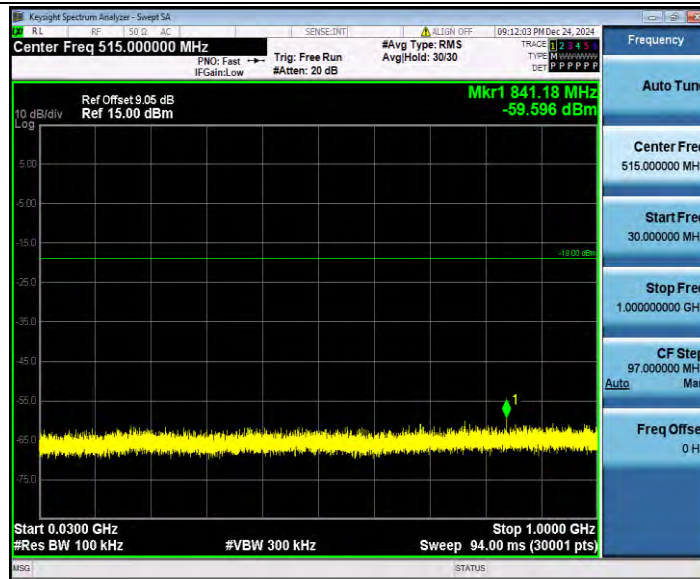


## 11B\_Ant1\_2462\_0~Reference



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





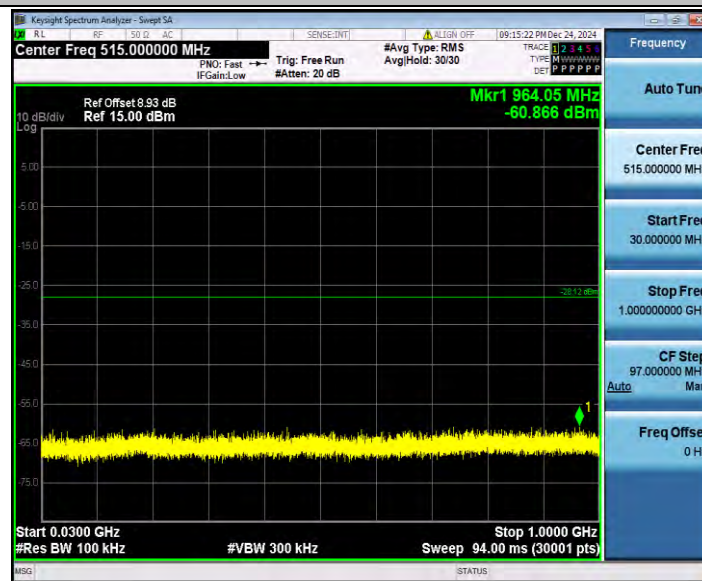
11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference



## 11G\_Ant1\_2412\_30~1000



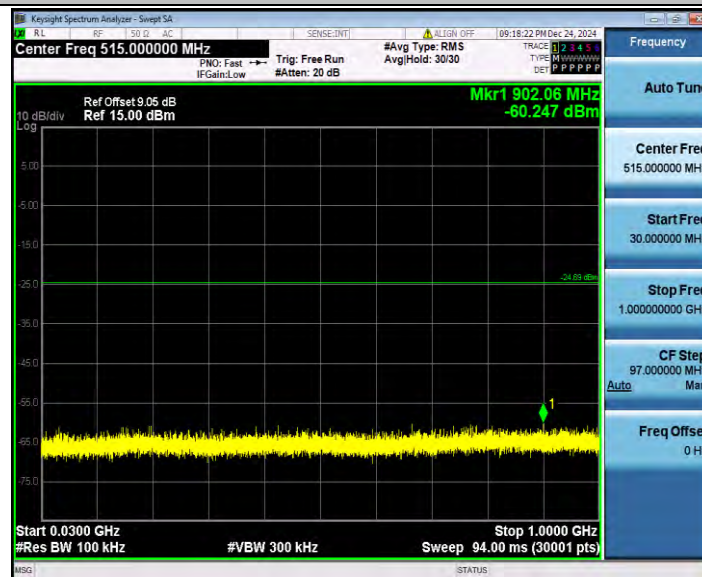
## 11G\_Ant1\_2412\_1000~26500



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



11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

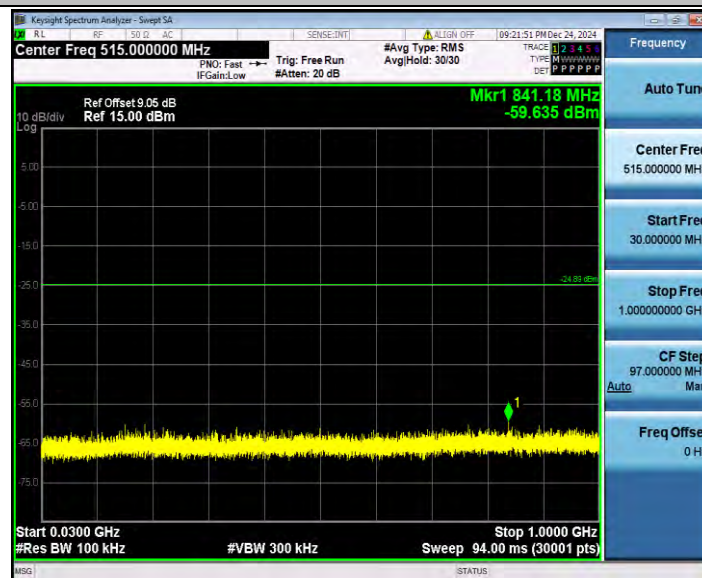




## 11G\_Ant1\_2462\_0~Reference



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



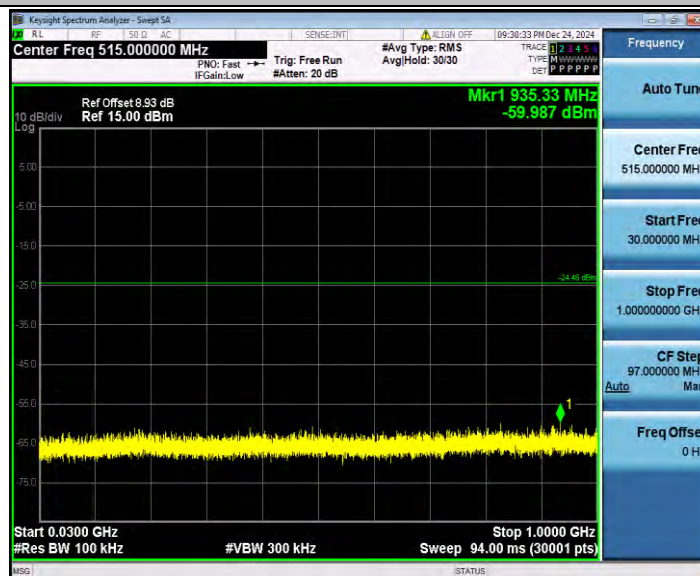
## 11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000



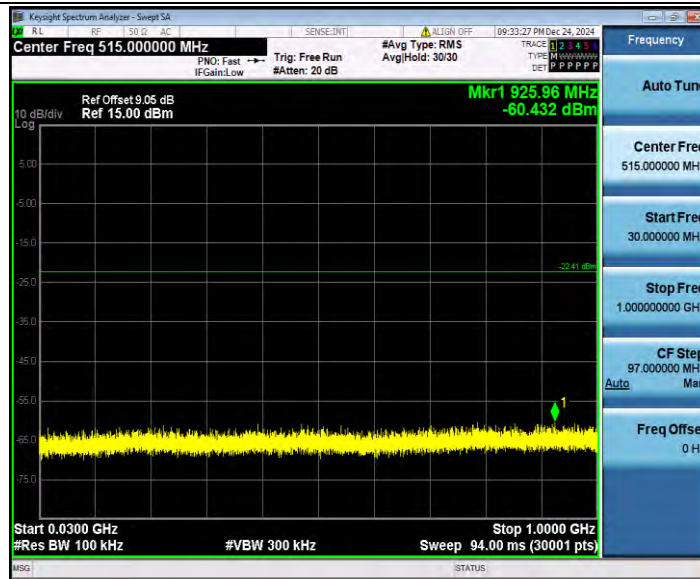
## 11N20SISO\_Ant1\_2412\_1000~26500



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



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



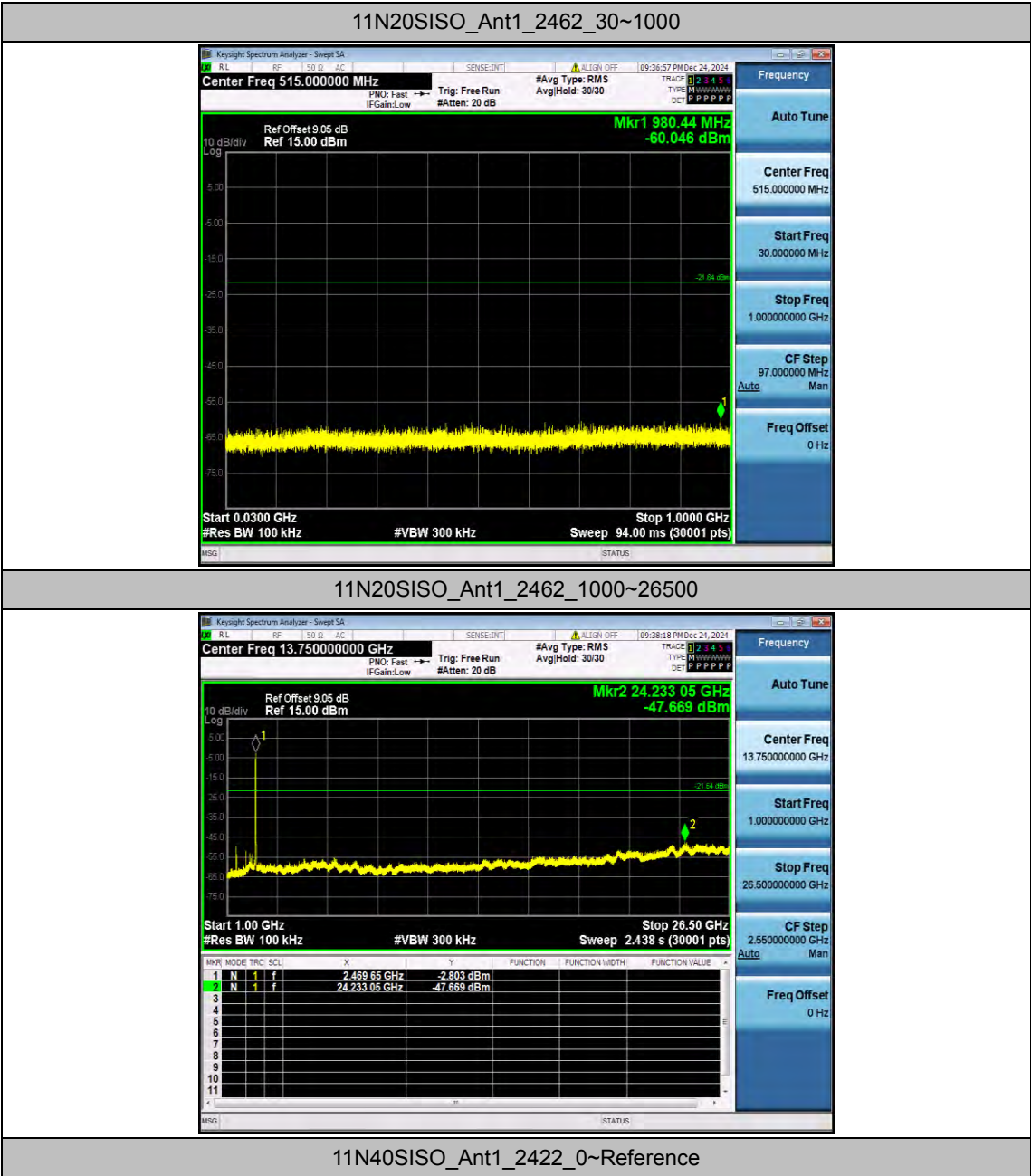
11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference



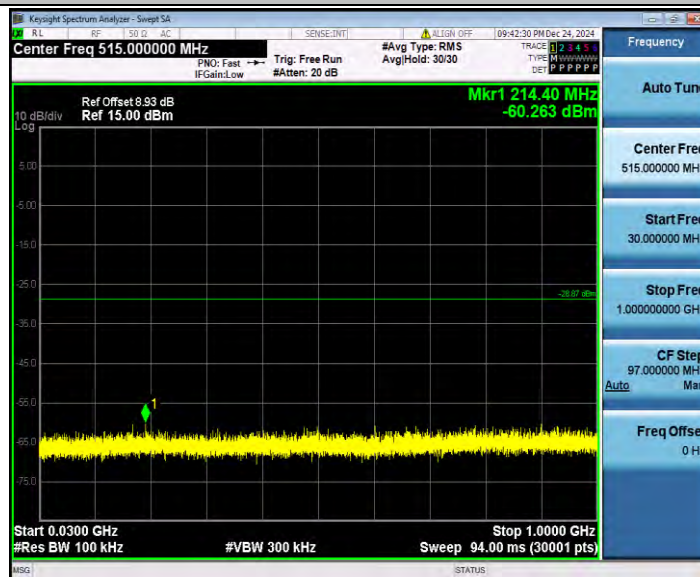








11N40SISO\_Ant1\_2422\_30~1000



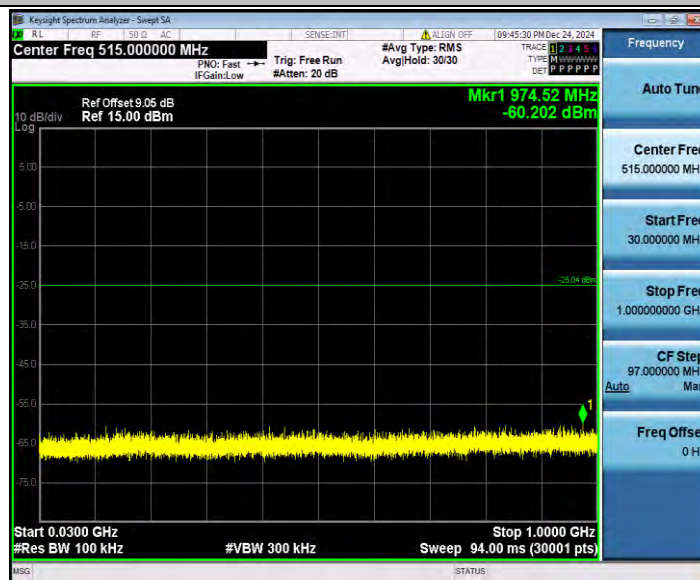
11N40SISO\_Ant1\_2422\_1000~26500



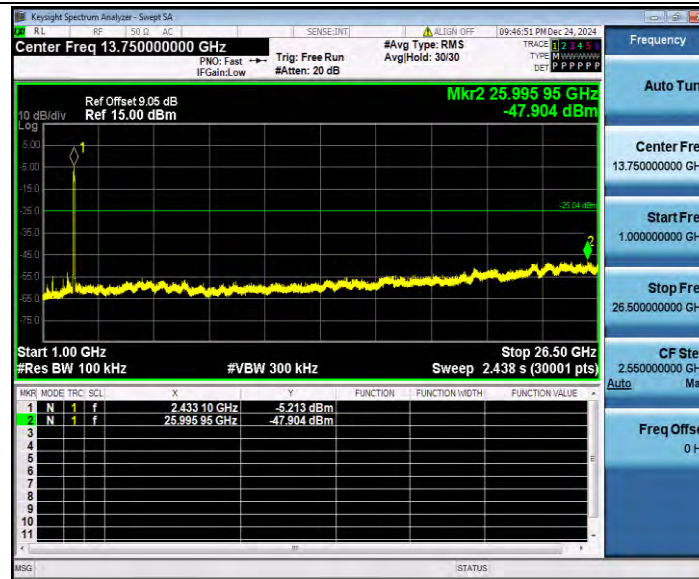
## 11N40SISO\_Ant1\_2437\_0~Reference



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



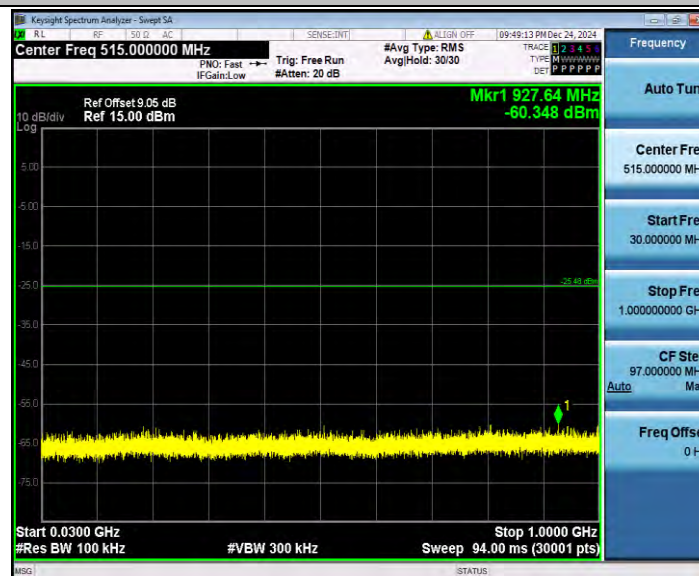
## 11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference



11N40SISO\_Ant1\_2452\_30~1000



## 11N40SISO\_Ant1\_2452\_1000~26500

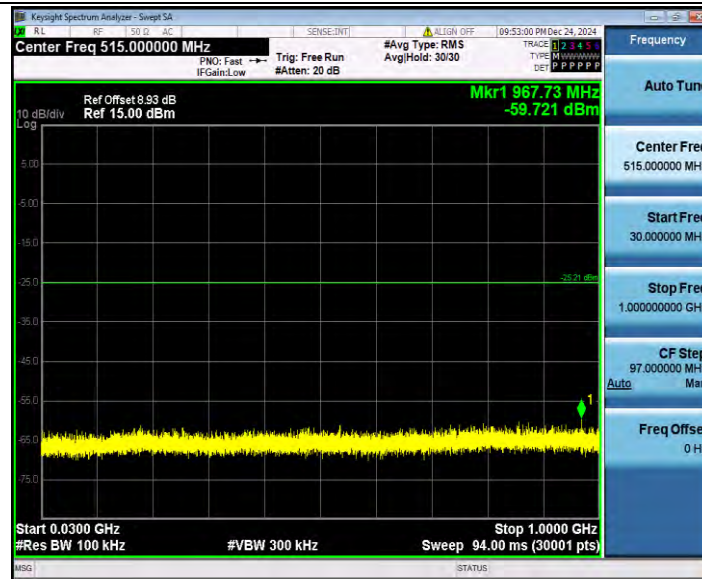


## 11AX20SISO\_Ant1\_2412\_0~Reference



## 11AX20SISO\_Ant1\_2412\_30~1000



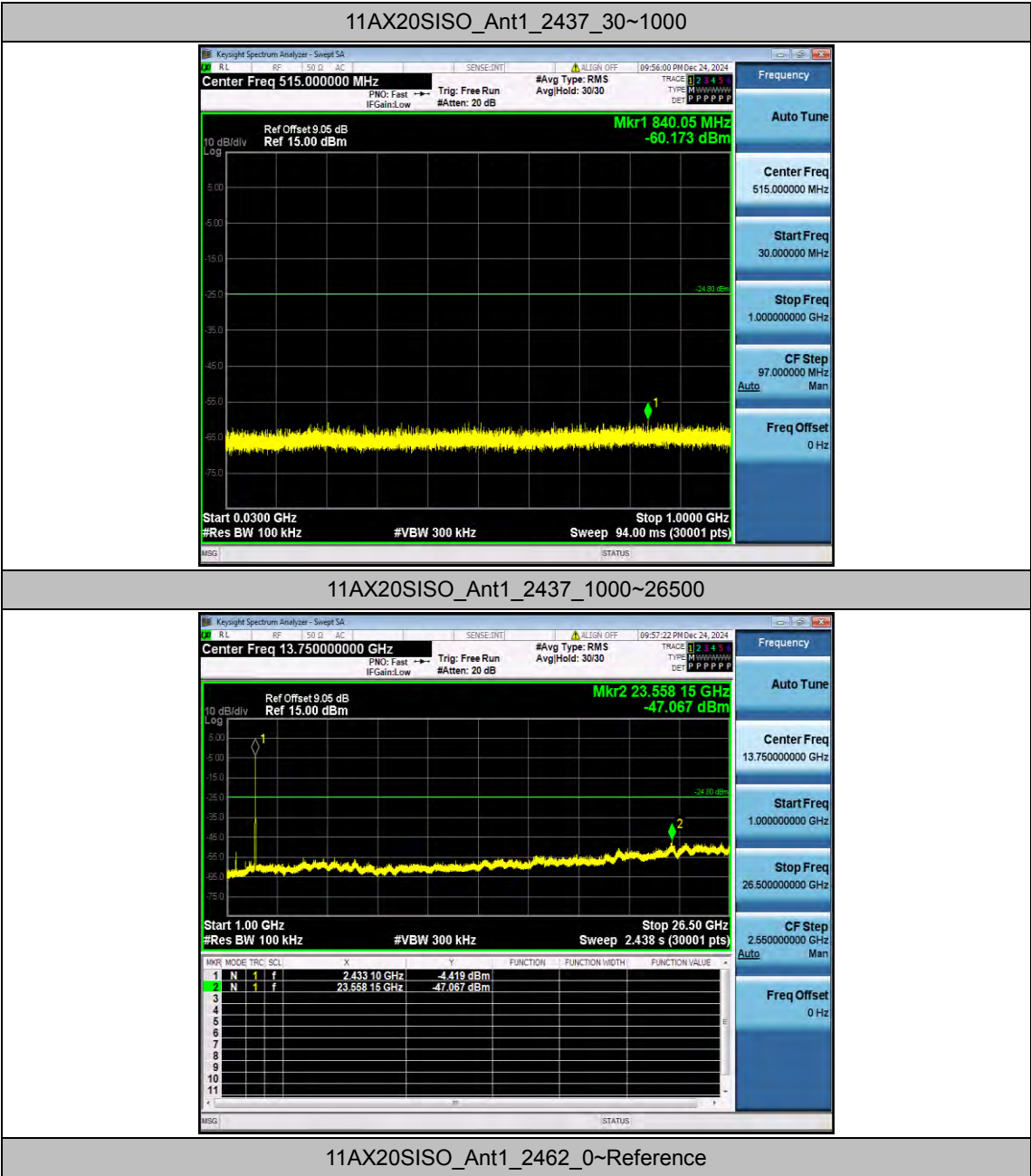


11AX20SISO\_Ant1\_2412\_1000~26500



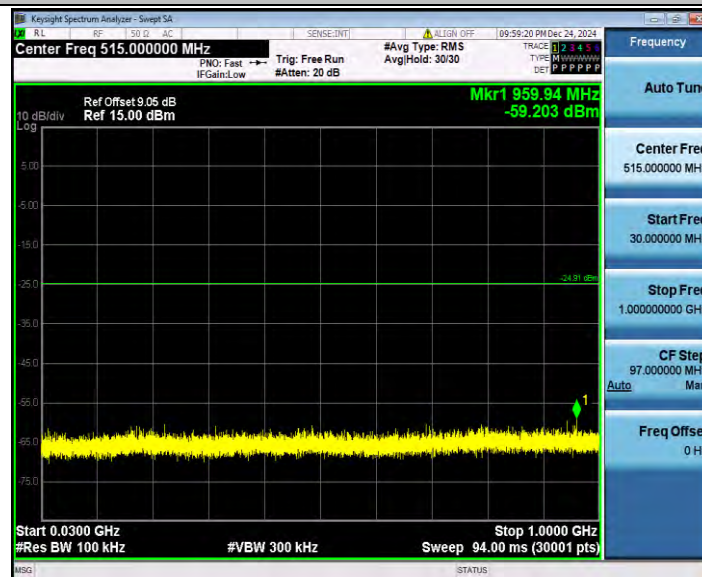
11AX20SISO\_Ant1\_2437\_0~Reference







11AX20SISO\_Ant1\_2462\_30~1000



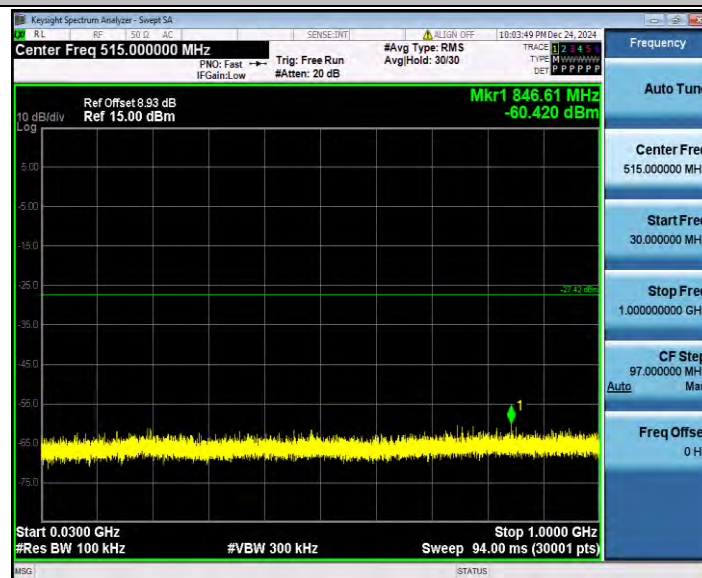
11AX20SISO\_Ant1\_2462\_1000~26500



## 11AX40SISO\_Ant1\_2422\_0~Reference

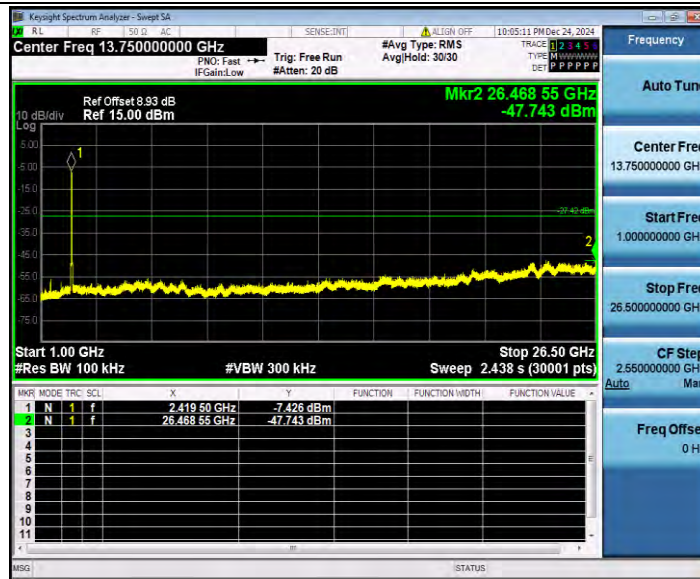


## 11AX40SISO\_Ant1\_2422\_30~1000



## 11AX40SISO\_Ant1\_2422\_1000~26500

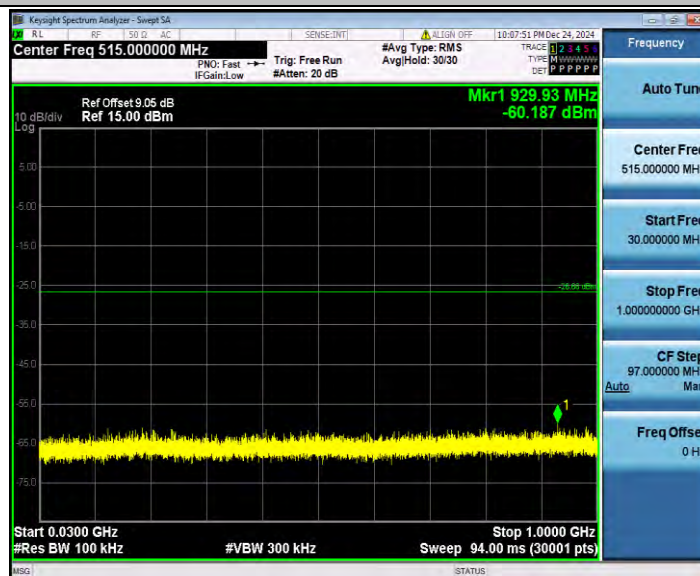




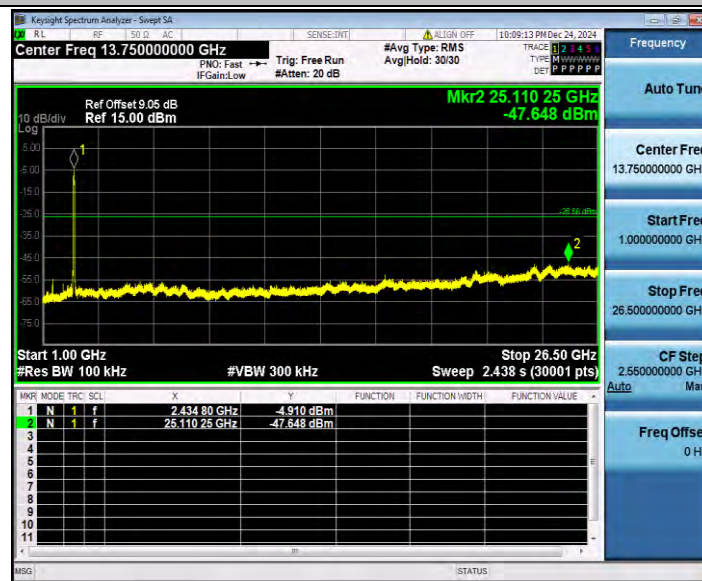
11AX40SISO\_Ant1\_2437\_0~Reference



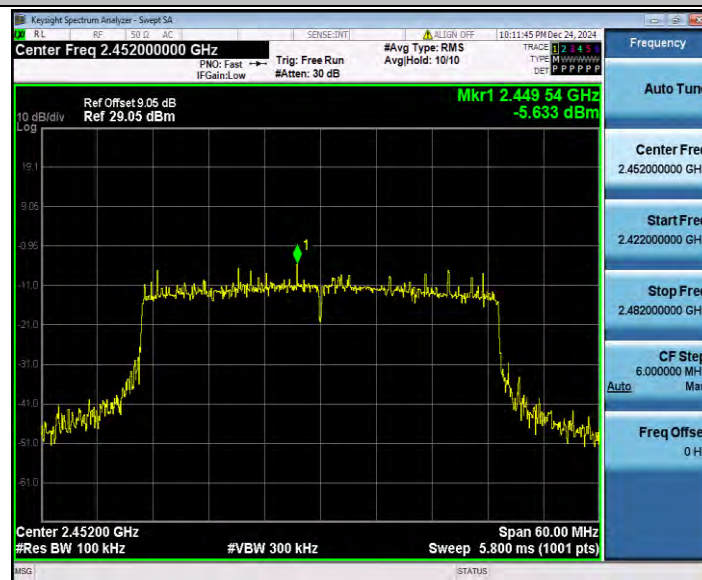
11AX40SISO\_Ant1\_2437\_30~1000



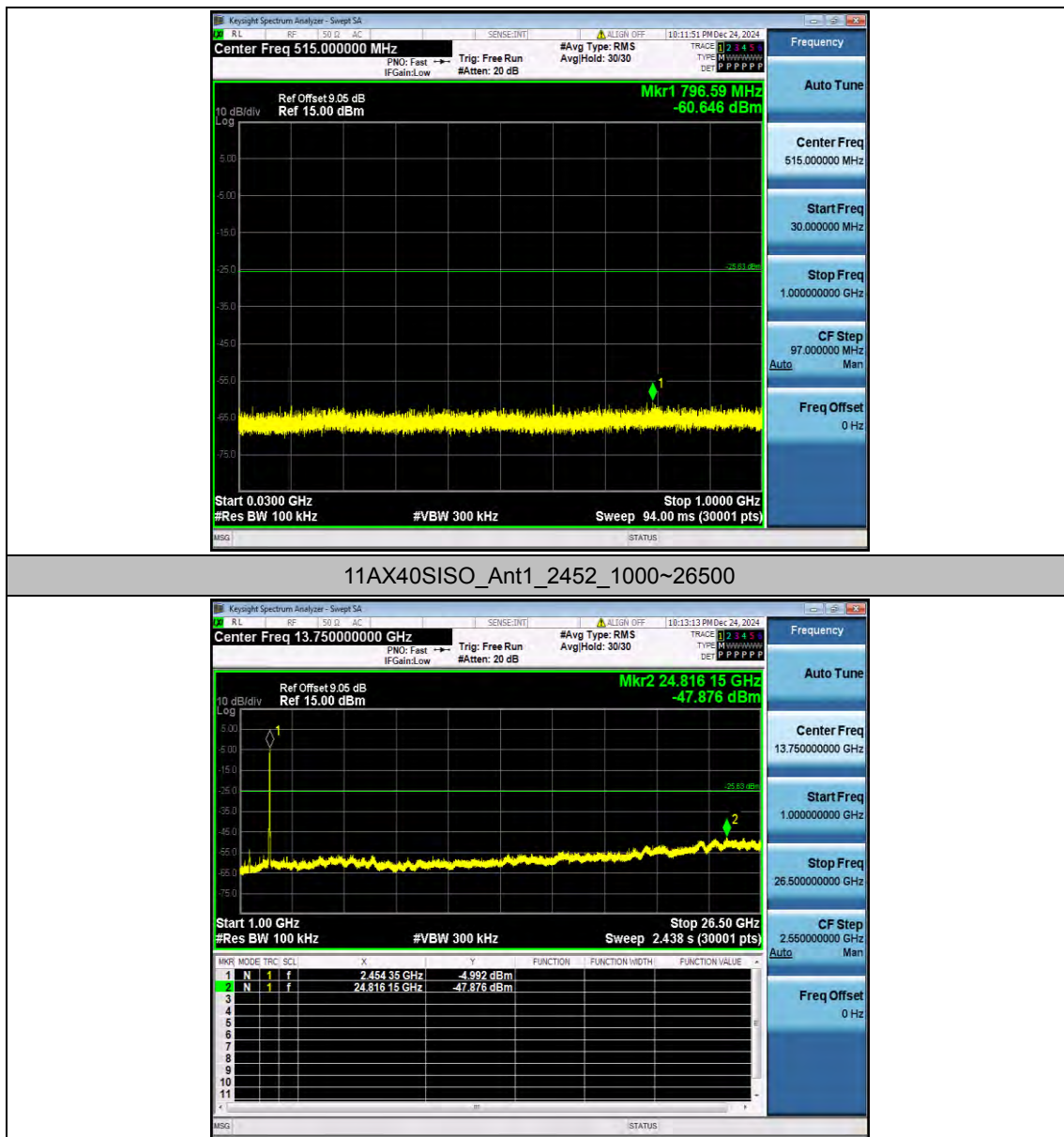
## 11AX40SISO\_Ant1\_2437\_1000~26500



## 11AX40SISO\_Ant1\_2452\_0~Reference



## 11AX40SISO\_Ant1\_2452\_30~1000



## Appendix C.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      | -49.72          | ≤-41.20        | 45.48              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.830      | -48.98          | ≤-41.20        | 46.22              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -48.98          | ≤-41.20        | 46.22              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -42.87          | ≤-21.20        | 52.33              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2384.630      | -38.98          | ≤-21.20        | 56.22              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -47.73          | ≤-21.20        | 47.47              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -48.78          | ≤-41.20        | 46.42              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -48.75          | ≤-41.20        | 46.45              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.84          | ≤-41.20        | 46.36              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -49.47          | ≤-21.20        | 45.73              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2485.870      | -40.27          | ≤-21.20        | 54.93              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -43.87          | ≤-21.20        | 51.33              | ≤74               | PASS    |
| 11G           | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.66          | ≤-41.20        | 45.54              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.960      | -47.19          | ≤-41.20        | 48.01              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -47.19          | ≤-41.20        | 48.01              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -52.29          | ≤-21.20        | 42.91              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2387.880      | -40.2           | ≤-21.20        | 55.00              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -42.29          | ≤-21.20        | 52.91              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -45.51          | ≤-41.20        | 49.69              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -45.66          | ≤-41.20        | 49.54              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.89          | ≤-41.20        | 46.31              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -34.88          | ≤-21.20        | 60.32              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2483.670      | -37.99          | ≤-21.20        | 57.21              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -42.99          | ≤-21.20        | 52.21              | ≤74               | PASS    |
| 11N20SIS<br>O | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.67          | ≤-41.20        | 45.53              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.960      | -45.53          | ≤-41.20        | 49.67              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -45.53          | ≤-41.20        | 49.67              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -50.6           | ≤-21.20        | 44.60              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2387.230      | -39.58          | ≤-21.20        | 55.62              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -42.59          | ≤-21.20        | 52.61              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -44.63          | ≤-41.20        | 50.57              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -44.79          | ≤-41.20        | 50.41              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.9           | ≤-41.20        | 46.30              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -40.64          | ≤-21.20        | 54.56              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2484.330      | -38.06          | ≤-21.20        | 57.14              | ≤74               | PASS    |

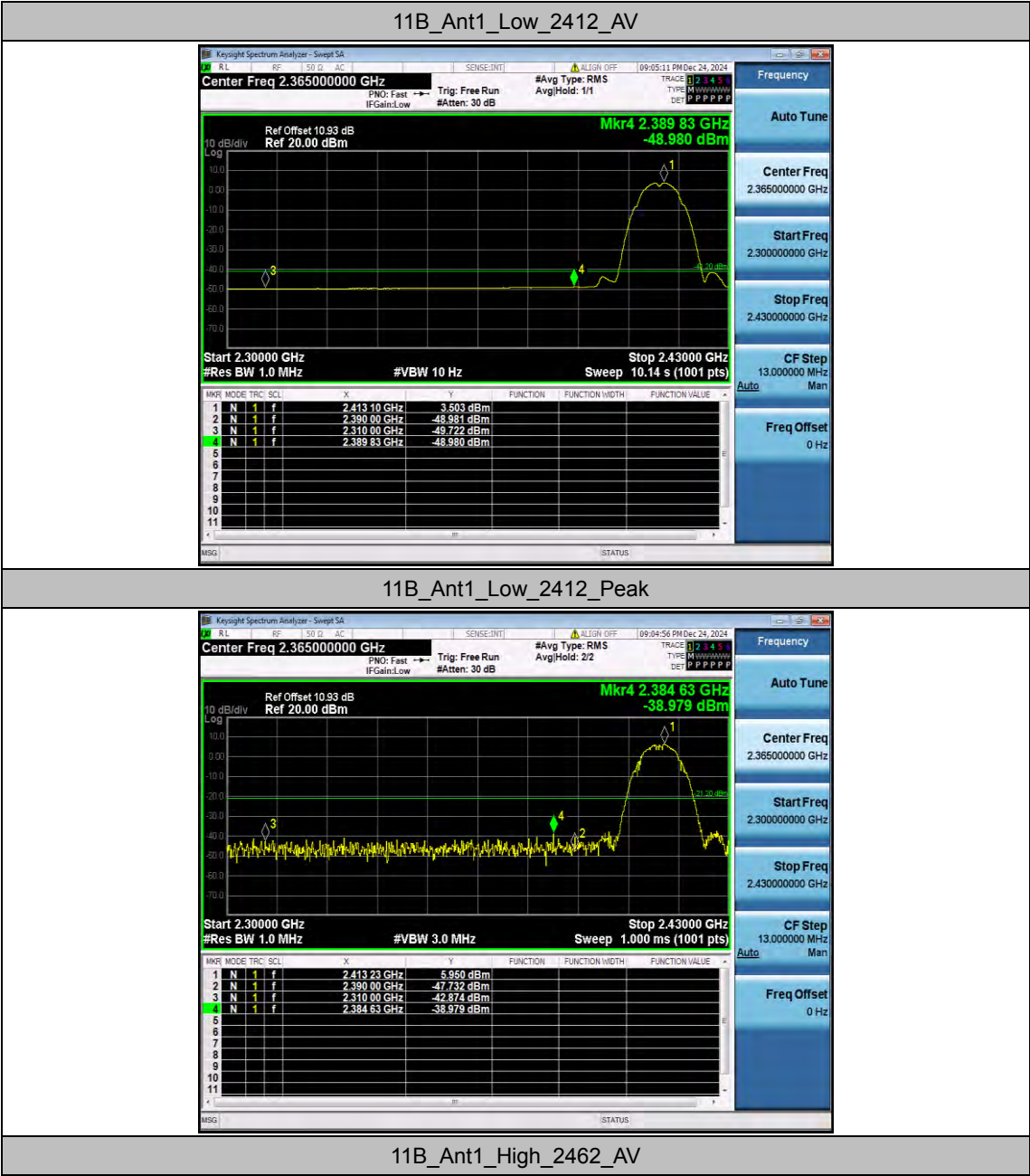


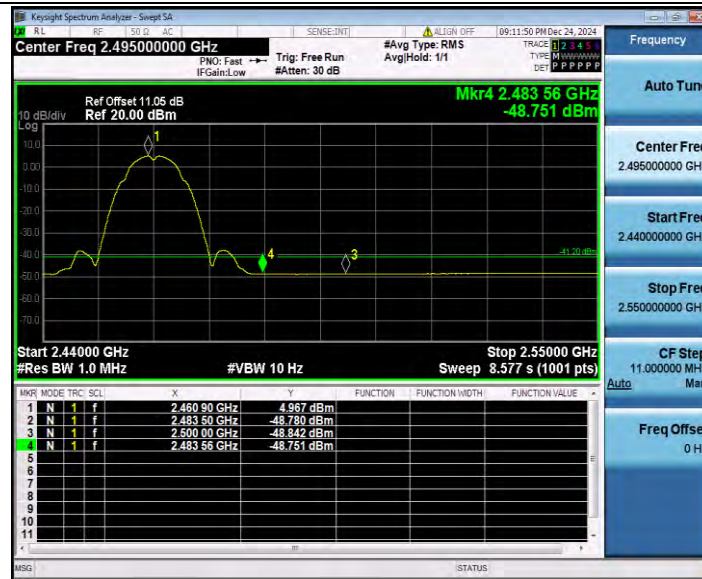
|            |      |      |      |      |          |        |               |       |           |      |
|------------|------|------|------|------|----------|--------|---------------|-------|-----------|------|
|            |      |      |      | Peak | 2500.000 | -46.45 | $\leq -21.20$ | 48.75 | $\leq 74$ | PASS |
| 11N40SISO  | Ant1 | Low  | 2422 | AV   | 2310.000 | -49.68 | $\leq -41.20$ | 45.52 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2389.960 | -46.26 | $\leq -41.20$ | 48.94 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2390.000 | -46.26 | $\leq -41.20$ | 48.94 | $\leq 54$ | PASS |
|            |      |      |      | Peak | 2310.000 | -45.82 | $\leq -21.20$ | 49.38 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2386.190 | -35.81 | $\leq -21.20$ | 59.39 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2390.000 | -49.66 | $\leq -21.20$ | 45.54 | $\leq 74$ | PASS |
|            |      | High | 2452 | AV   | 2483.500 | -43.33 | $\leq -41.20$ | 51.87 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2483.560 | -43.43 | $\leq -41.20$ | 51.77 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2500.000 | -48.57 | $\leq -41.20$ | 46.63 | $\leq 54$ | PASS |
|            |      |      |      | Peak | 2483.500 | -39.78 | $\leq -21.20$ | 55.42 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2484.330 | -35.25 | $\leq -21.20$ | 59.95 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2500.000 | -45.34 | $\leq -21.20$ | 49.86 | $\leq 74$ | PASS |
| 11AX20SISO | Ant1 | Low  | 2412 | AV   | 2310.000 | -49.65 | $\leq -41.20$ | 45.55 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2389.960 | -46.81 | $\leq -41.20$ | 48.39 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2390.000 | -46.81 | $\leq -41.20$ | 48.39 | $\leq 54$ | PASS |
|            |      |      |      | Peak | 2310.000 | -41.03 | $\leq -21.20$ | 54.17 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2387.360 | -35.66 | $\leq -21.20$ | 59.54 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2390.000 | -43.68 | $\leq -21.20$ | 51.52 | $\leq 74$ | PASS |
|            |      | High | 2462 | AV   | 2483.500 | -44.26 | $\leq -41.20$ | 50.94 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2483.560 | -44.39 | $\leq -41.20$ | 50.81 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2500.000 | -48.86 | $\leq -41.20$ | 46.34 | $\leq 54$ | PASS |
|            |      |      |      | Peak | 2483.500 | -44.46 | $\leq -21.20$ | 50.74 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2483.670 | -36.59 | $\leq -21.20$ | 58.61 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2500.000 | -47.22 | $\leq -21.20$ | 47.98 | $\leq 74$ | PASS |
| 11AX40SISO | Ant1 | Low  | 2422 | AV   | 2310.000 | -49.69 | $\leq -41.20$ | 45.51 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2389.960 | -46.23 | $\leq -41.20$ | 48.97 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2390.000 | -46.23 | $\leq -41.20$ | 48.97 | $\leq 54$ | PASS |
|            |      |      |      | Peak | 2310.000 | -45.41 | $\leq -21.20$ | 49.79 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2386.450 | -35.4  | $\leq -21.20$ | 59.80 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2390.000 | -40.04 | $\leq -21.20$ | 55.16 | $\leq 74$ | PASS |
|            |      | High | 2452 | AV   | 2483.500 | -43.34 | $\leq -41.20$ | 51.86 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2483.560 | -43.36 | $\leq -41.20$ | 51.84 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2500.000 | -48.44 | $\leq -41.20$ | 46.76 | $\leq 54$ | PASS |
|            |      |      |      | Peak | 2483.500 | -40.26 | $\leq -21.20$ | 54.94 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2484.220 | -32.96 | $\leq -21.20$ | 62.24 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2500.000 | -43.33 | $\leq -21.20$ | 51.87 | $\leq 74$ | PASS |

Note:

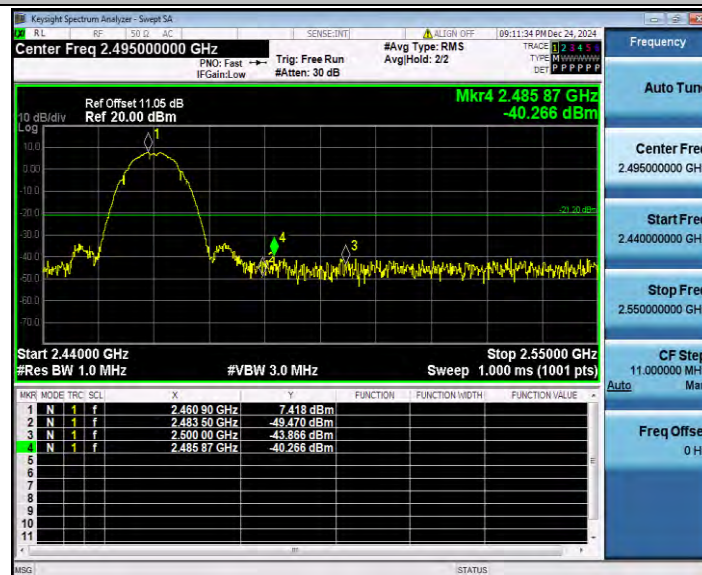
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





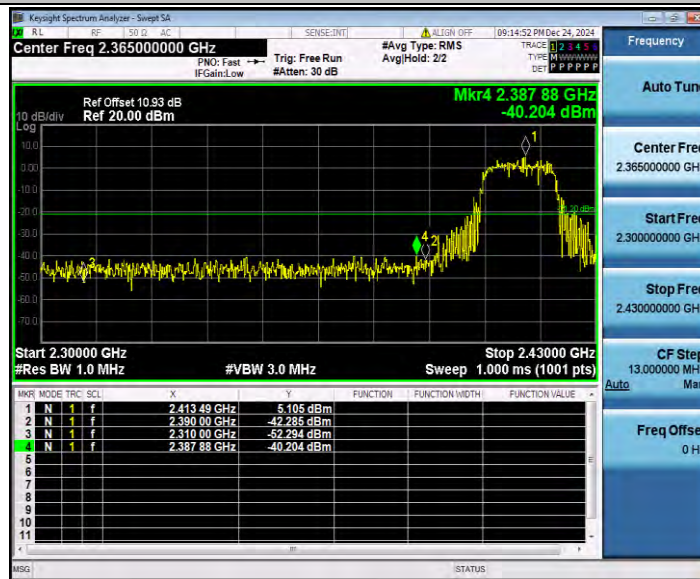
11B\_Ant1\_High\_2462\_Peak



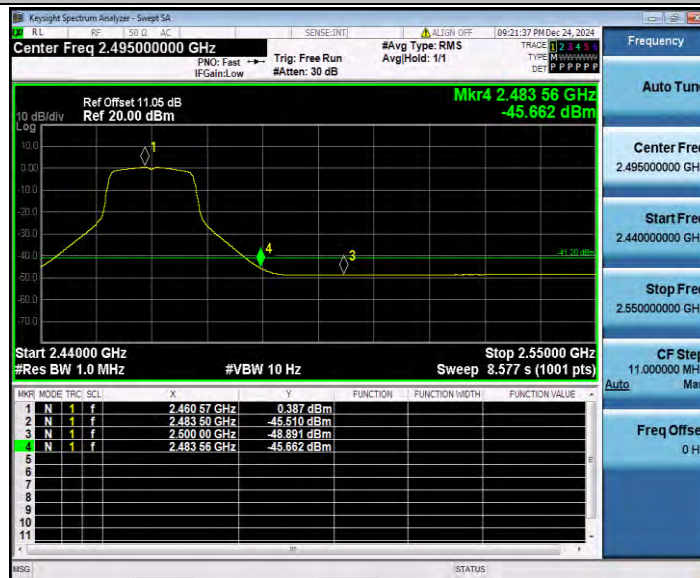
11G\_Ant1\_Low\_2412\_AV



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



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



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

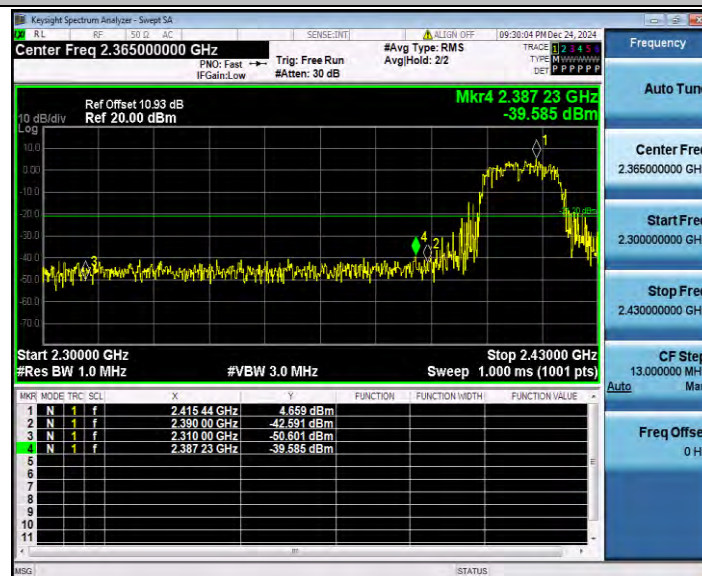




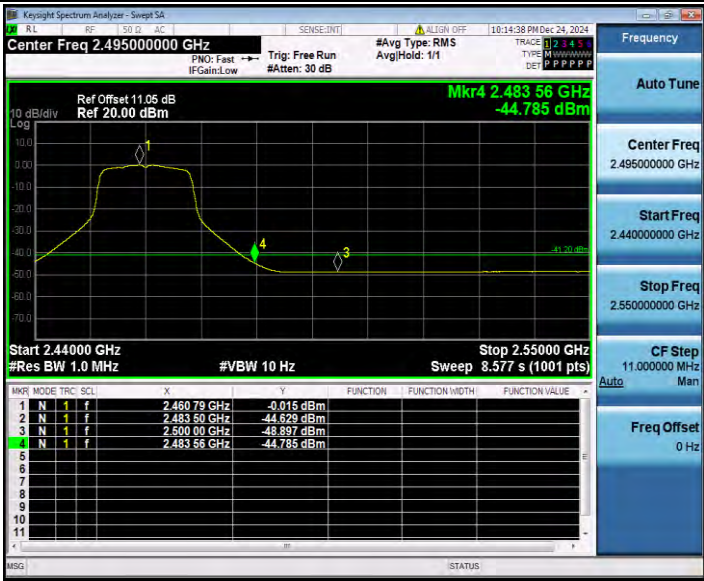
11N20SISO\_Ant1\_Low\_2412\_AV



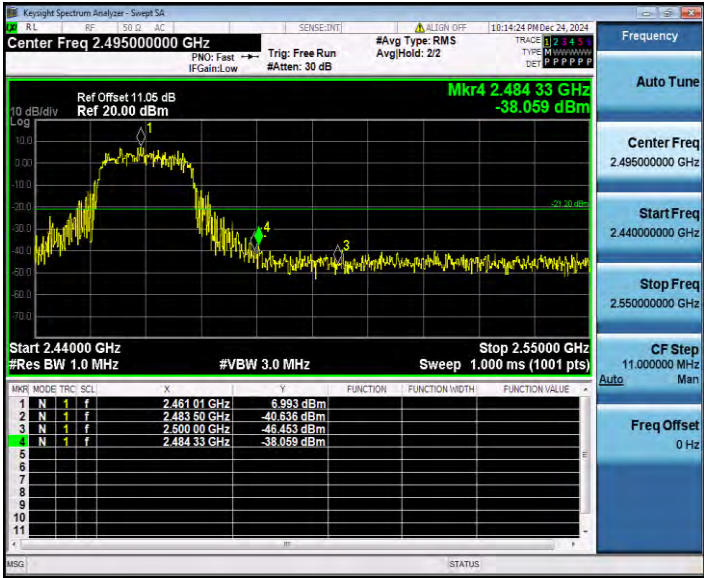
11N20SISO\_Ant1\_Low\_2412\_Peak



11N20SISO\_Ant1\_High\_2462\_AV



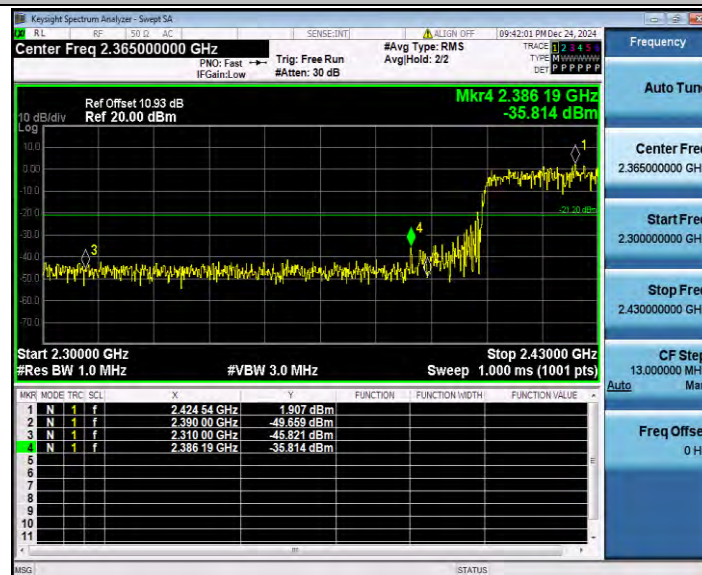
11N20SISO\_Ant1\_High\_2462\_Peak



11N40SISO\_Ant1\_Low\_2422\_AV



11N40SISO\_Ant1\_Low\_2422\_Peak



11N40SISO\_Ant1\_High\_2452\_AV





## 11N40SISO\_Ant1\_High\_2452\_Peak

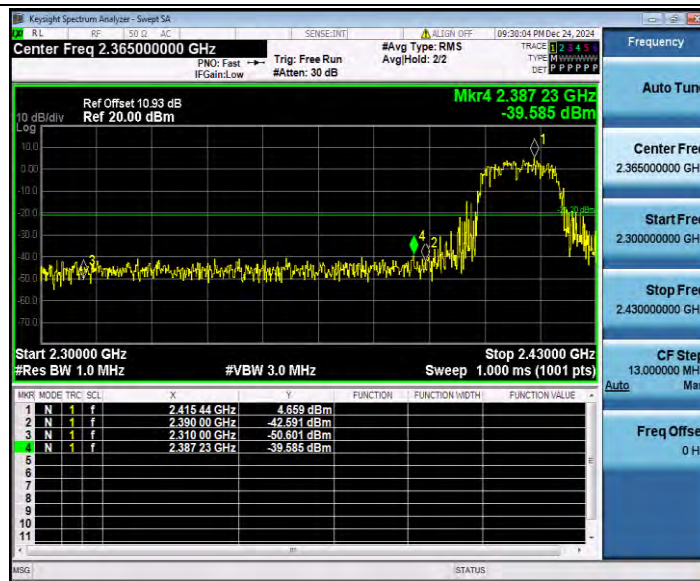


## 11AX20SISO\_Ant1\_Low\_2412\_AV

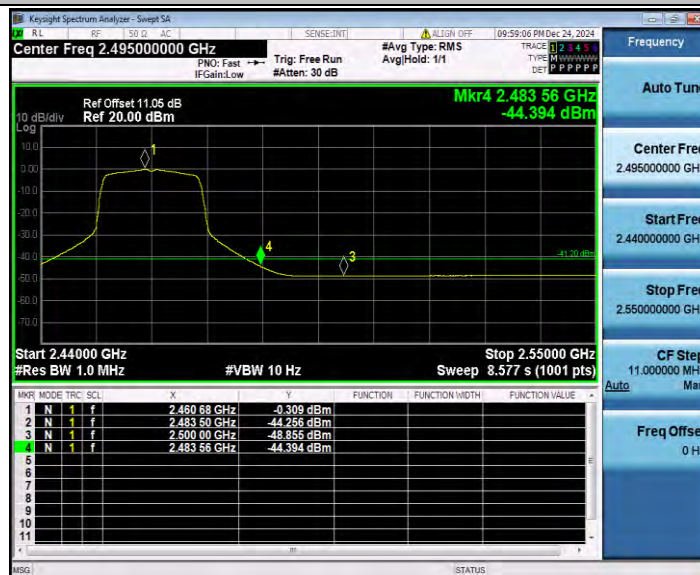


## 11AX20SISO\_Ant1\_Low\_2412\_Peak

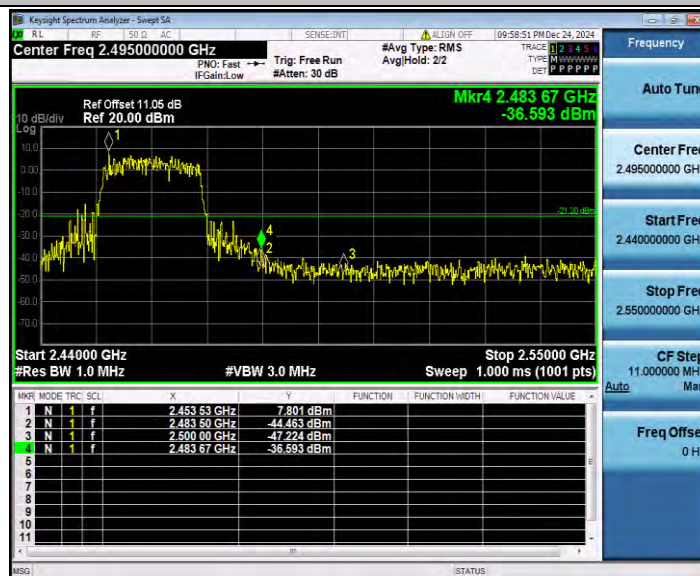




11AX20SISO\_Ant1\_High\_2462\_AV



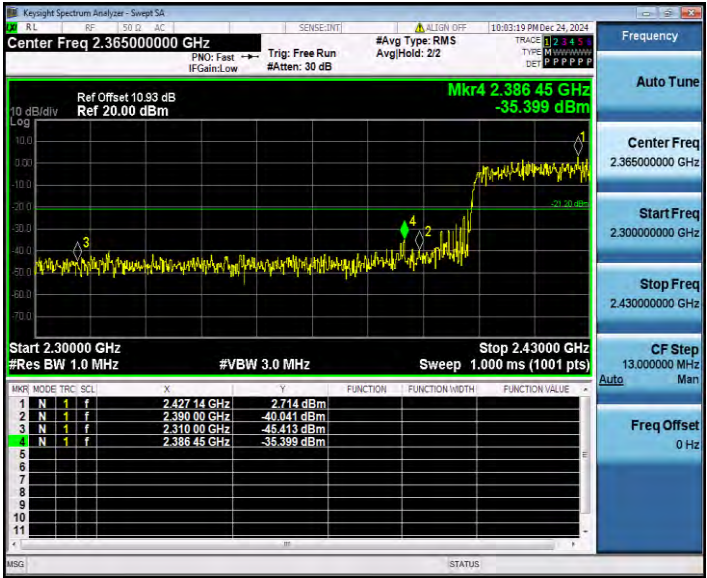
11AX20SISO\_Ant1\_High\_2462\_Peak



11AX40SISO\_Ant1\_Low\_2422\_AV



11AX40SISO\_Ant1\_Low\_2422\_Peak



11AX40SISO\_Ant1\_High\_2452\_AV

