

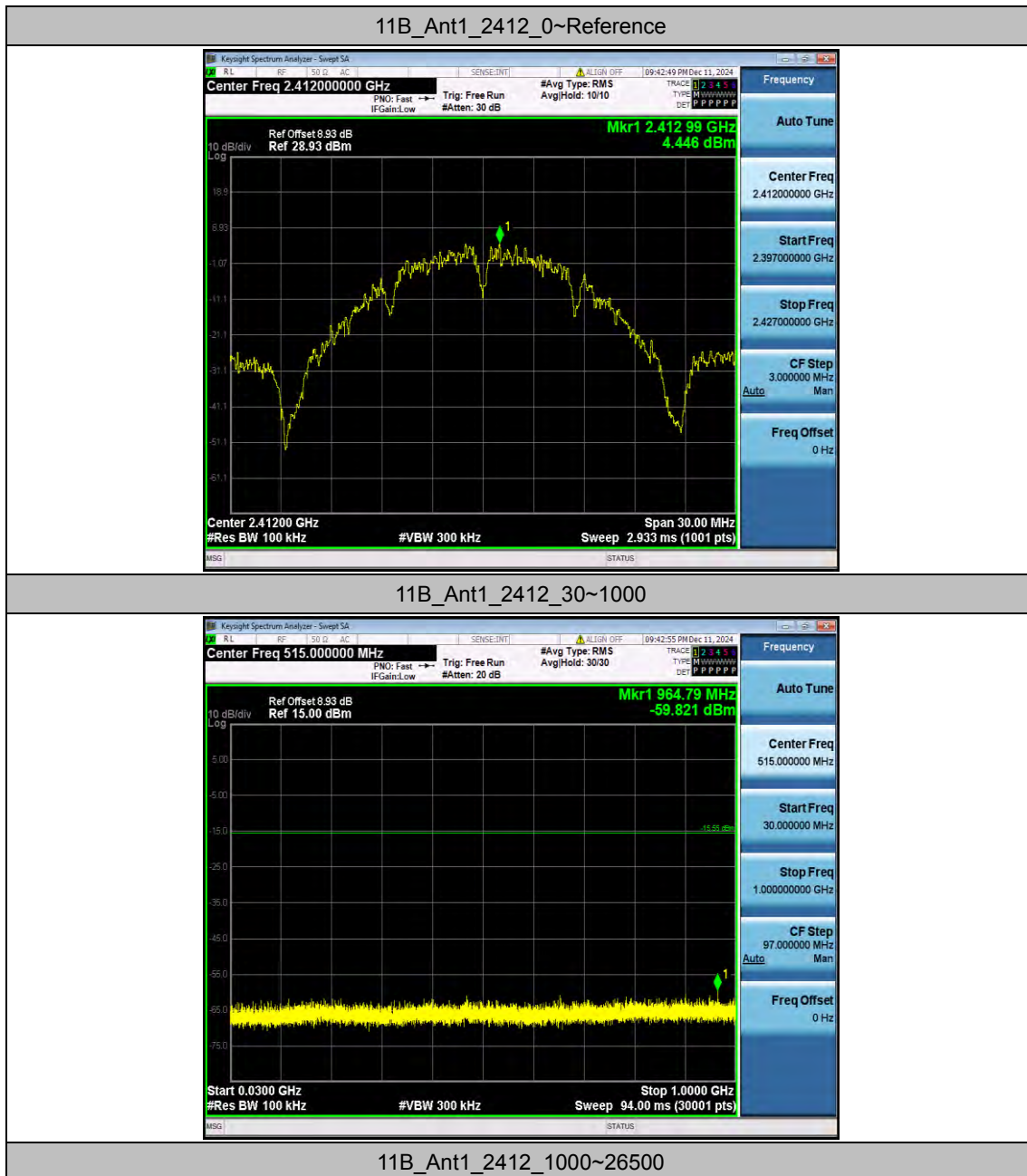
## Appendix C.6: Conducted Spurious Emission

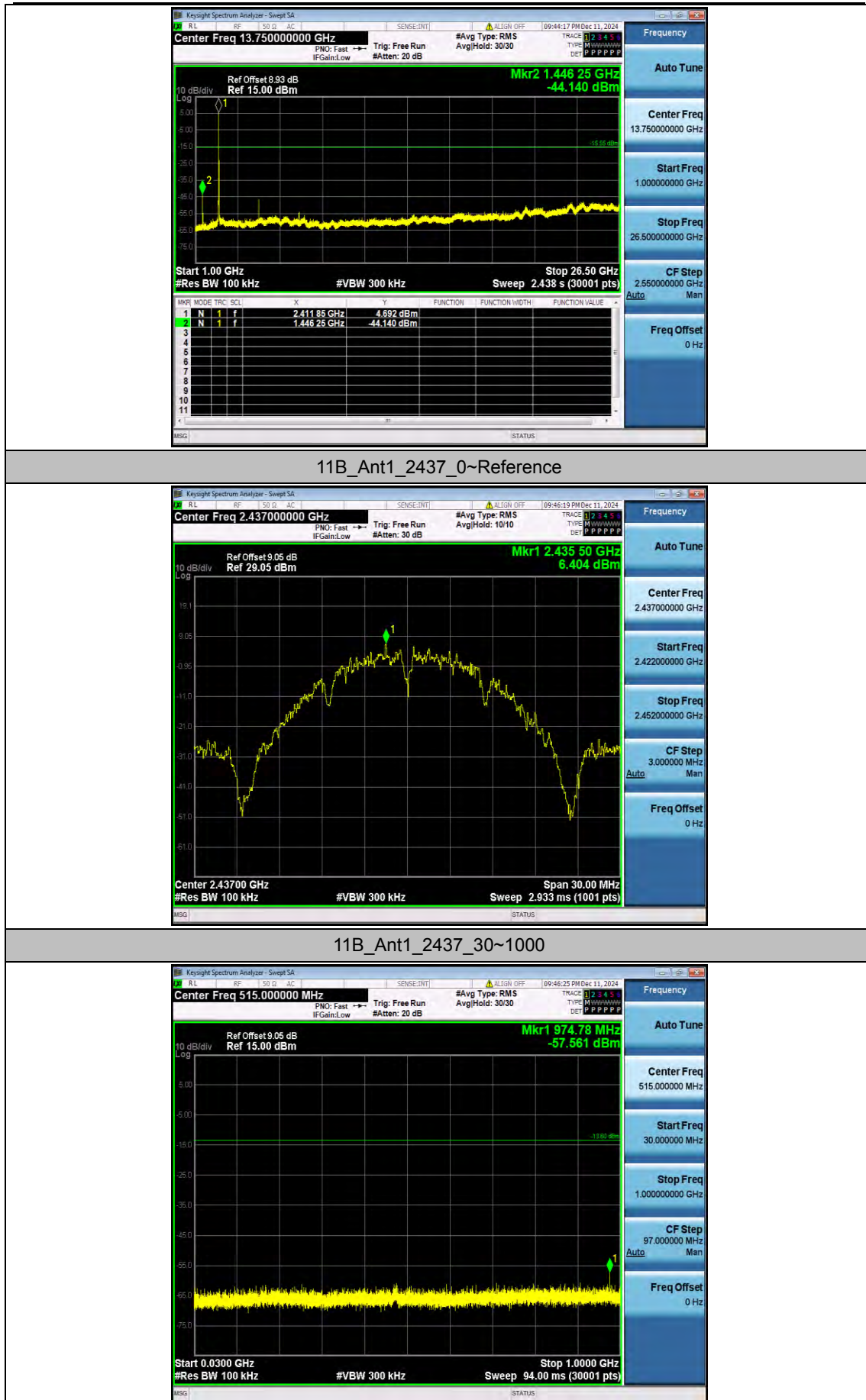
### Test Result

| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| 11B       | Ant1    | 2412           | Reference       | 4.45           | 4.45         | ---           | PASS    |
|           |         |                | 30~1000         | 4.45           | -59.82       | $\leq -15.55$ | PASS    |
|           |         |                | 1000~26500      | 4.45           | -44.14       | $\leq -15.55$ | PASS    |
|           |         | 2437           | Reference       | 6.40           | 6.40         | ---           | PASS    |
|           |         |                | 30~1000         | 6.40           | -57.56       | $\leq -13.6$  | PASS    |
|           |         |                | 1000~26500      | 6.40           | -43.52       | $\leq -13.6$  | PASS    |
|           |         | 2462           | Reference       | 4.74           | 4.74         | ---           | PASS    |
|           |         |                | 30~1000         | 4.74           | -56.36       | $\leq -15.26$ | PASS    |
|           |         |                | 1000~26500      | 4.74           | -43.99       | $\leq -15.26$ | PASS    |
| 11G       | Ant1    | 2412           | Reference       | -4.39          | -4.39        | ---           | PASS    |
|           |         |                | 30~1000         | -4.39          | -60.65       | $\leq -24.39$ | PASS    |
|           |         |                | 1000~26500      | -4.39          | -48.49       | $\leq -24.39$ | PASS    |
|           |         | 2437           | Reference       | -2.52          | -2.52        | ---           | PASS    |
|           |         |                | 30~1000         | -2.52          | -61.13       | $\leq -22.52$ | PASS    |
|           |         |                | 1000~26500      | -2.52          | -47.21       | $\leq -22.52$ | PASS    |
|           |         | 2462           | Reference       | -2.21          | -2.21        | ---           | PASS    |
|           |         |                | 30~1000         | -2.21          | -60.53       | $\leq -22.21$ | PASS    |
|           |         |                | 1000~26500      | -2.21          | -47.76       | $\leq -22.21$ | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | -5.71          | -5.71        | ---           | PASS    |
|           |         |                | 30~1000         | -5.71          | -61.36       | $\leq -25.71$ | PASS    |
|           |         |                | 1000~26500      | -5.71          | -47.77       | $\leq -25.71$ | PASS    |
|           |         | 2437           | Reference       | -5.93          | -5.93        | ---           | PASS    |
|           |         |                | 30~1000         | -5.93          | -60.89       | $\leq -25.93$ | PASS    |
|           |         |                | 1000~26500      | -5.93          | -47.8        | $\leq -25.93$ | PASS    |
|           |         | 2462           | Reference       | -4.24          | -4.24        | ---           | PASS    |
|           |         |                | 30~1000         | -4.24          | -60.2        | $\leq -24.24$ | PASS    |
|           |         |                | 1000~26500      | -4.24          | -47.51       | $\leq -24.24$ | PASS    |
| 11N40SISO | Ant1    | 2422           | Reference       | -9.26          | -9.26        | ---           | PASS    |
|           |         |                | 30~1000         | -9.26          | -60.71       | $\leq -29.26$ | PASS    |
|           |         |                | 1000~26500      | -9.26          | -48.02       | $\leq -29.26$ | PASS    |
|           |         | 2437           | Reference       | -4.82          | -4.82        | ---           | PASS    |
|           |         |                | 30~1000         | -4.82          | -59.29       | $\leq -24.82$ | PASS    |
|           |         |                | 1000~26500      | -4.82          | -48.12       | $\leq -24.82$ | PASS    |
|           |         | 2452           | Reference       | -5.84          | -5.84        | ---           | PASS    |
|           |         |                | 30~1000         | -5.84          | -60.49       | $\leq -25.84$ | PASS    |
|           |         |                | 1000~26500      | -5.84          | -47.85       | $\leq -25.84$ | PASS    |

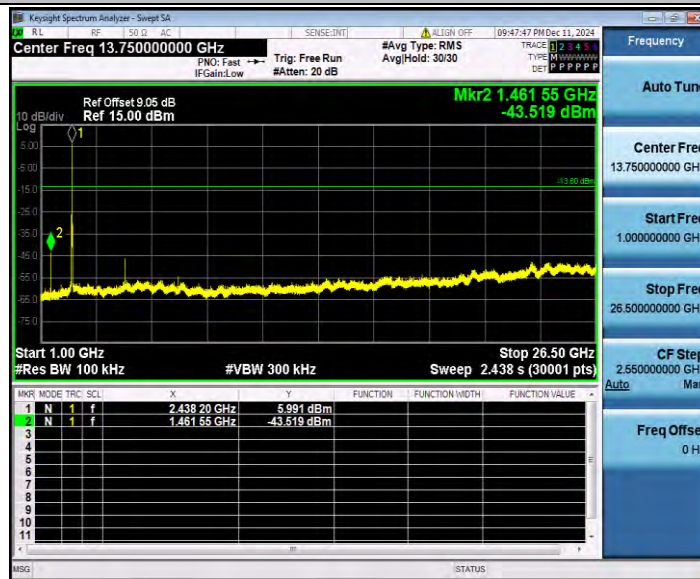
|            |      |      |            |       |        |               |      |
|------------|------|------|------------|-------|--------|---------------|------|
| 11AX20SISO | Ant1 | 2412 | Reference  | -6.67 | -6.67  | ---           | PASS |
|            |      |      | 30~1000    | -6.67 | -60.86 | $\leq -26.67$ | PASS |
|            |      |      | 1000~26500 | -6.67 | -47.85 | $\leq -26.67$ | PASS |
|            |      | 2437 | Reference  | -4.31 | -4.31  | ---           | PASS |
|            |      |      | 30~1000    | -4.31 | -59.97 | $\leq -24.31$ | PASS |
|            |      |      | 1000~26500 | -4.31 | -47.92 | $\leq -24.31$ | PASS |
|            |      | 2462 | Reference  | -4.37 | -4.37  | ---           | PASS |
|            |      |      | 30~1000    | -4.37 | -60.43 | $\leq -24.37$ | PASS |
|            |      |      | 1000~26500 | -4.37 | -47.94 | $\leq -24.37$ | PASS |
| 11AX40SISO | Ant1 | 2422 | Reference  | -9.30 | -9.30  | ---           | PASS |
|            |      |      | 30~1000    | -9.30 | -61.31 | $\leq -29.3$  | PASS |
|            |      |      | 1000~26500 | -9.30 | -48.09 | $\leq -29.3$  | PASS |
|            |      | 2437 | Reference  | -6.03 | -6.03  | ---           | PASS |
|            |      |      | 30~1000    | -6.03 | -61.03 | $\leq -26.03$ | PASS |
|            |      |      | 1000~26500 | -6.03 | -47.68 | $\leq -26.03$ | PASS |
|            |      | 2452 | Reference  | -8.04 | -8.04  | ---           | PASS |
|            |      |      | 30~1000    | -8.04 | -60.83 | $\leq -28.04$ | PASS |
|            |      |      | 1000~26500 | -8.04 | -47.82 | $\leq -28.04$ | PASS |

## Test Graphs





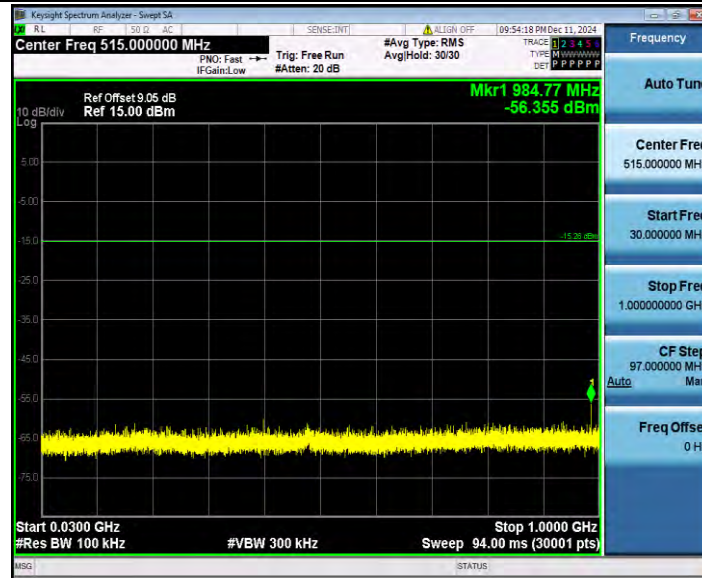
## 11B\_Ant1\_2437\_1000~26500



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



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

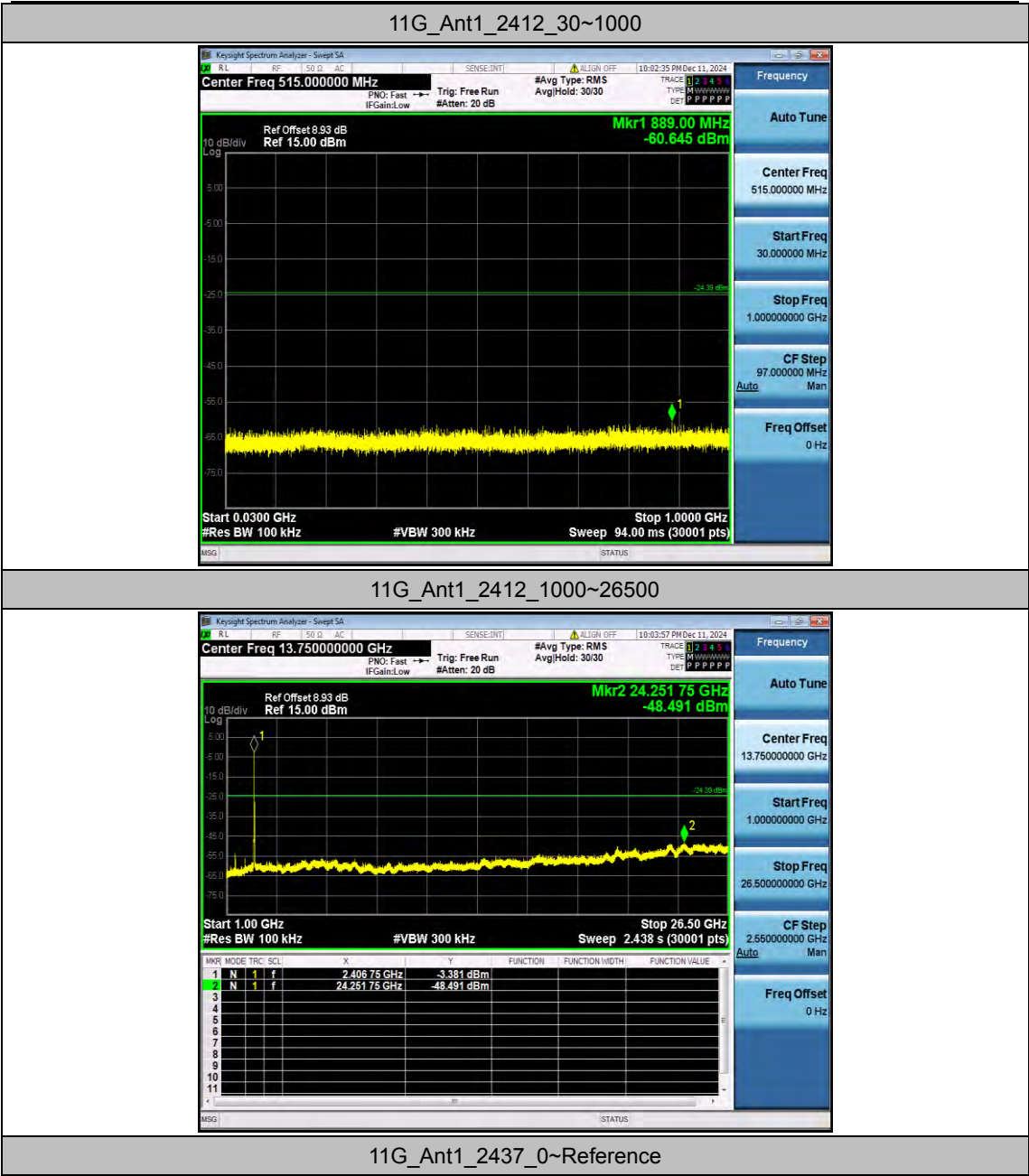


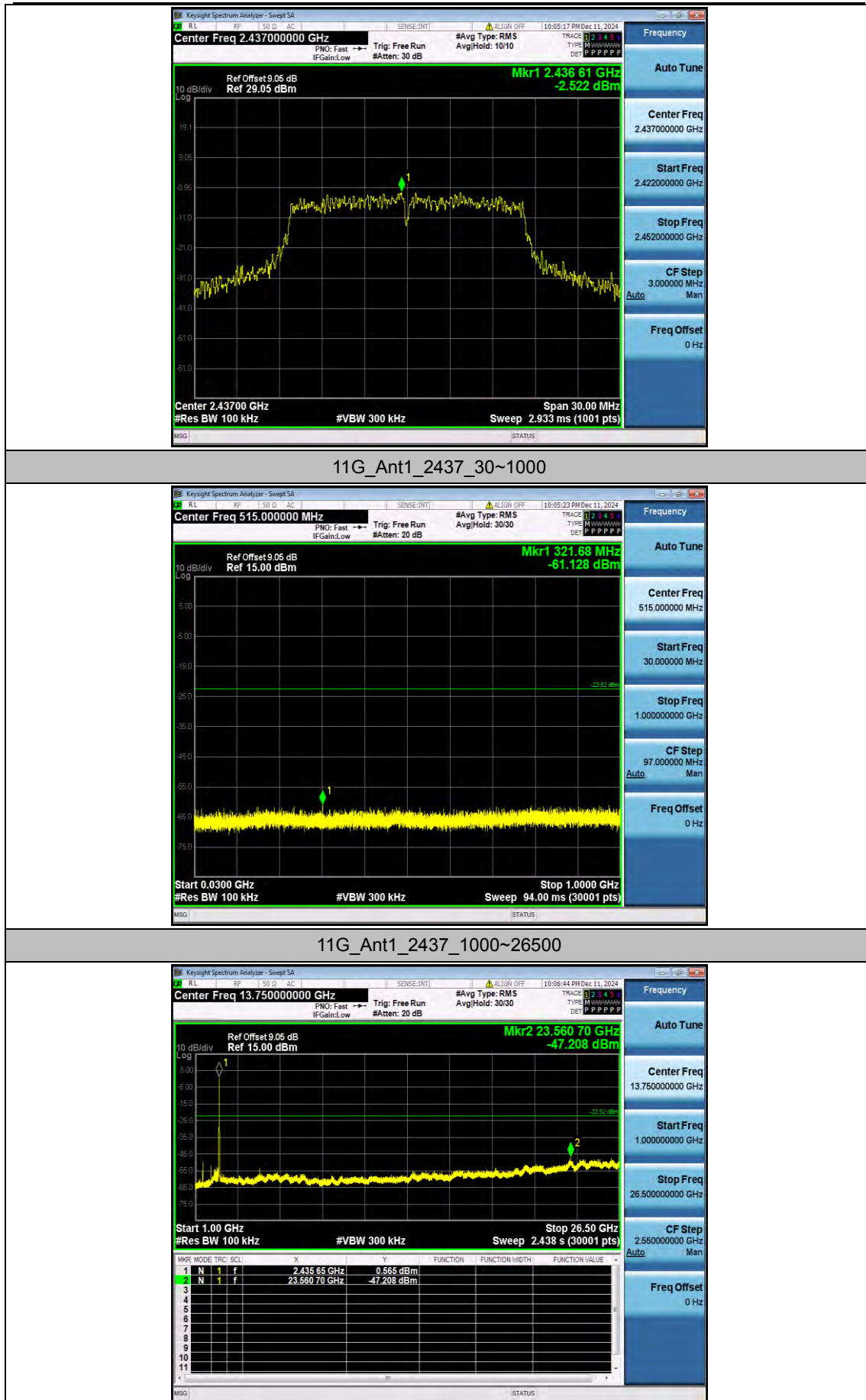
## 11B\_Ant1\_2462\_1000~26500



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



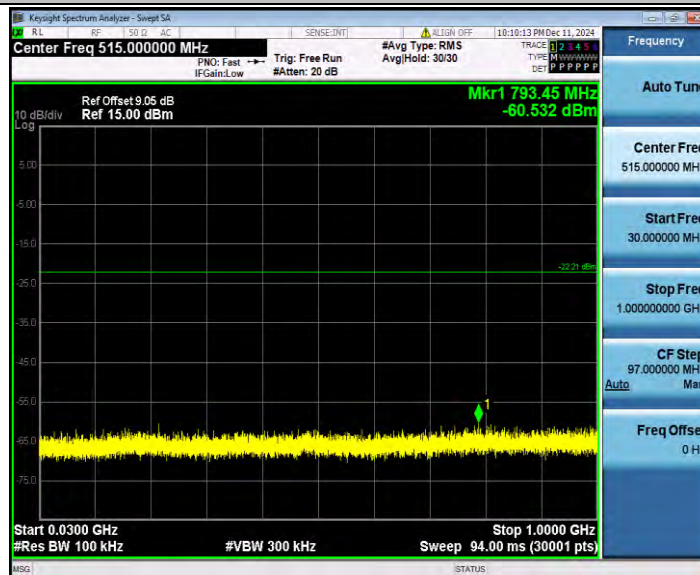




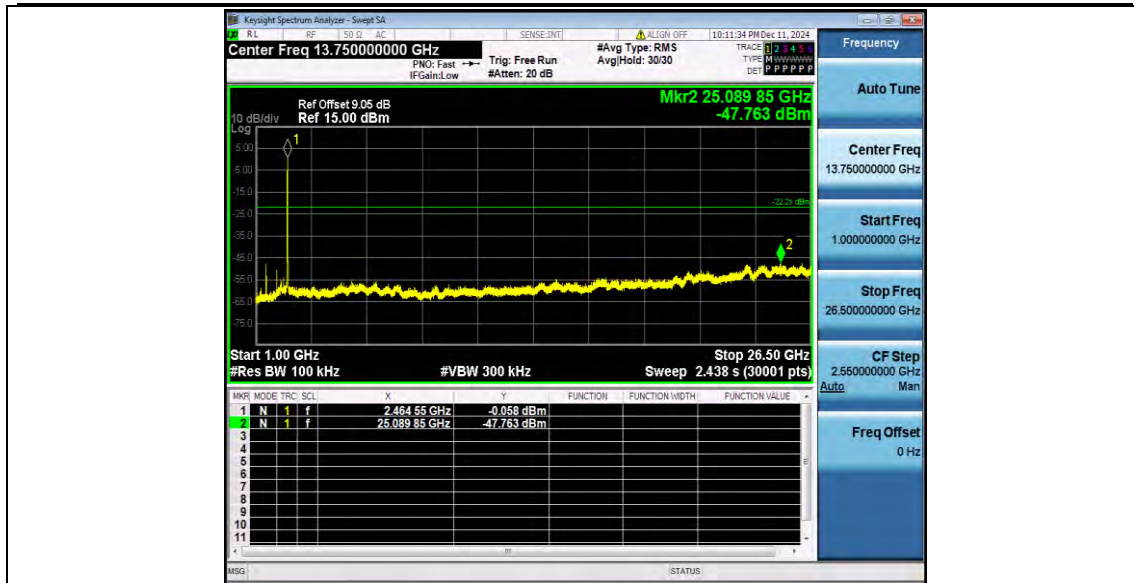
## 11G\_Ant1\_2462\_0~Reference



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



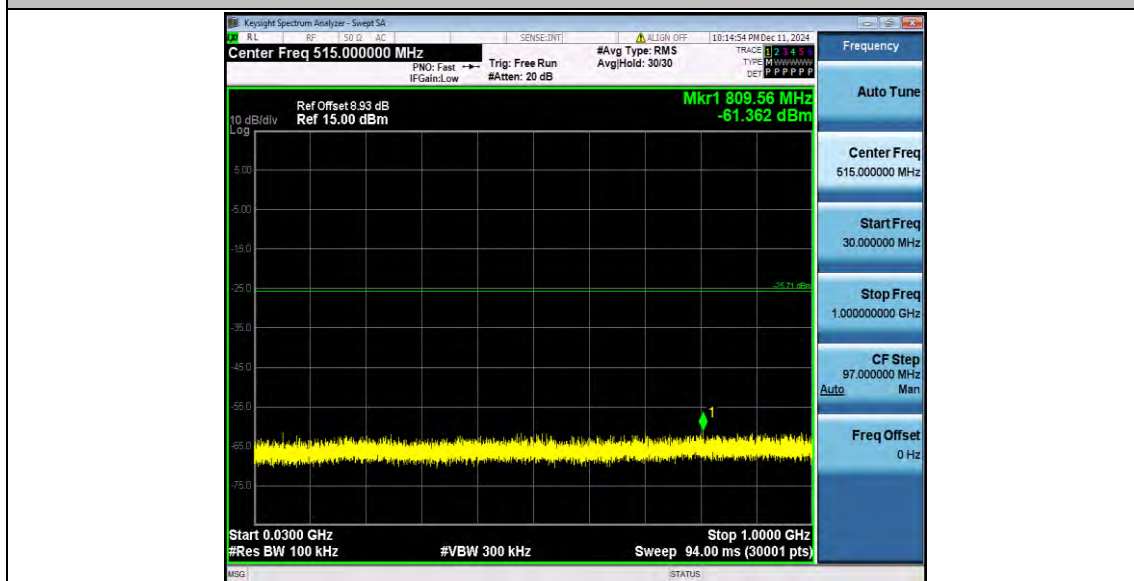
## 11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000



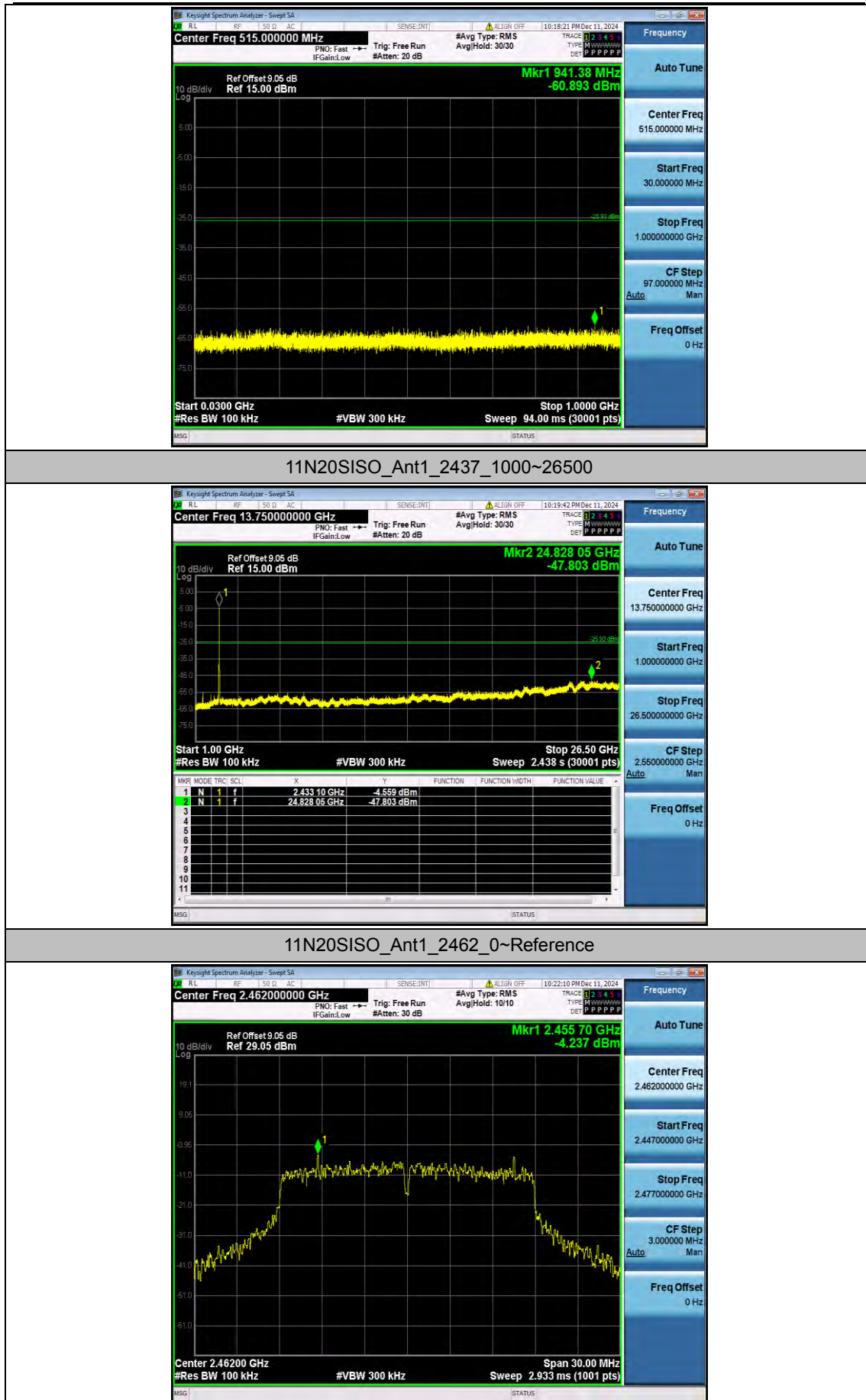
## 11N20SISO\_Ant1\_2412\_1000~26500

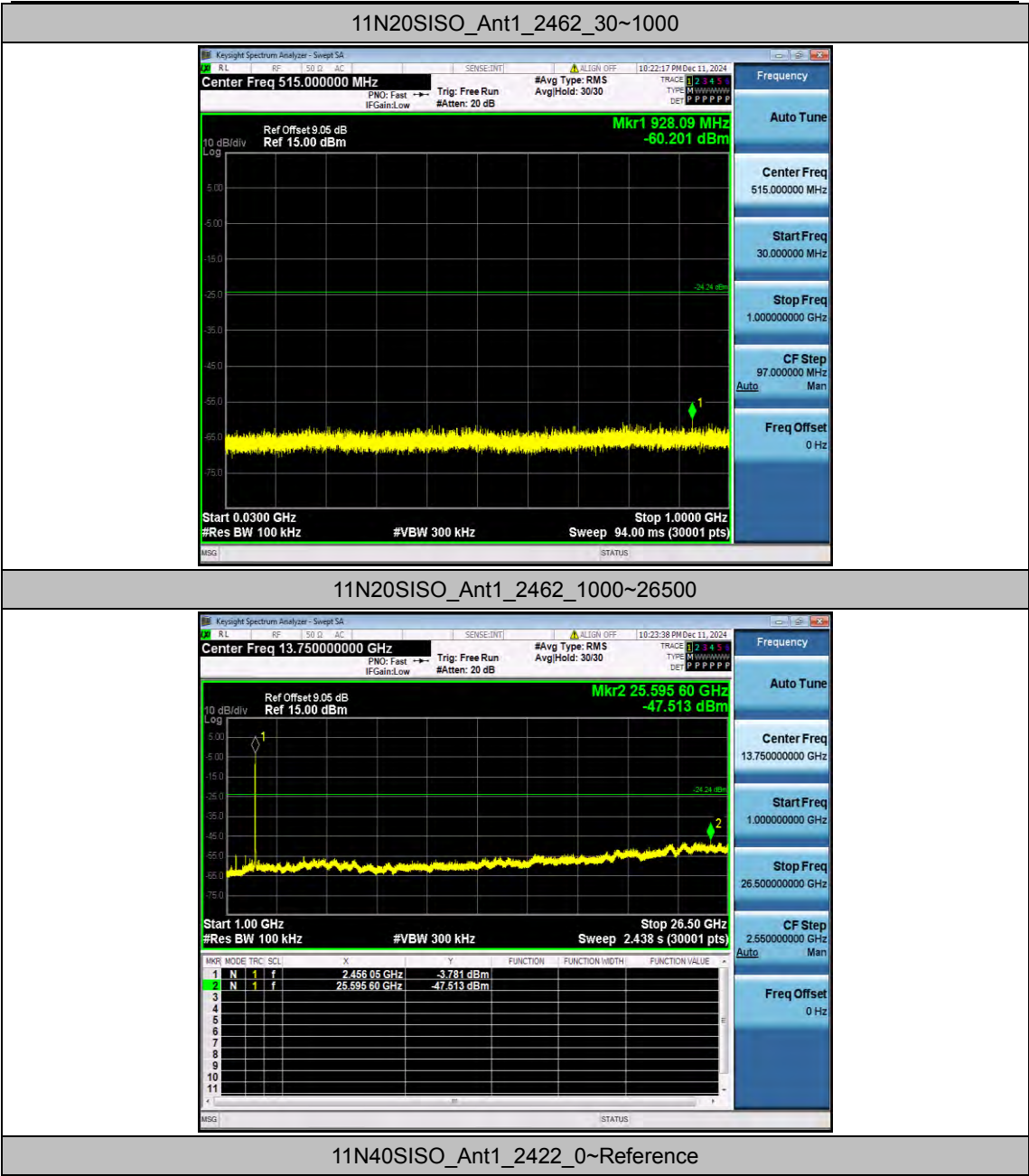


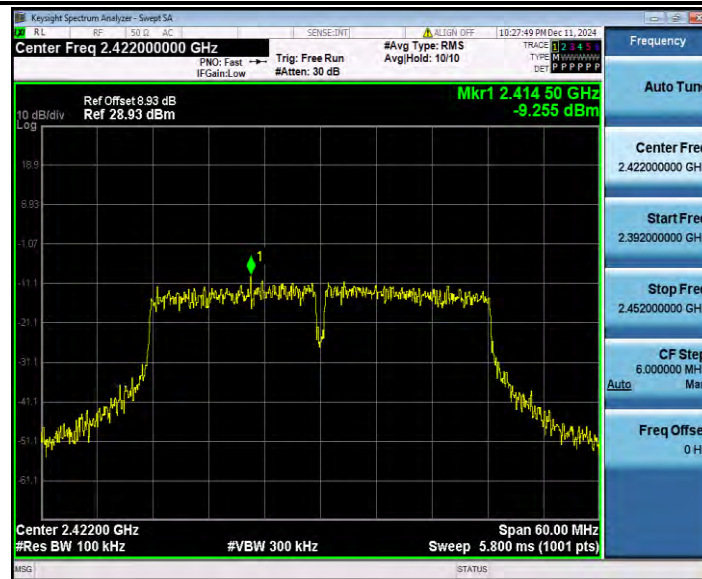
## 11N20SISO\_Ant1\_2437\_0~Reference



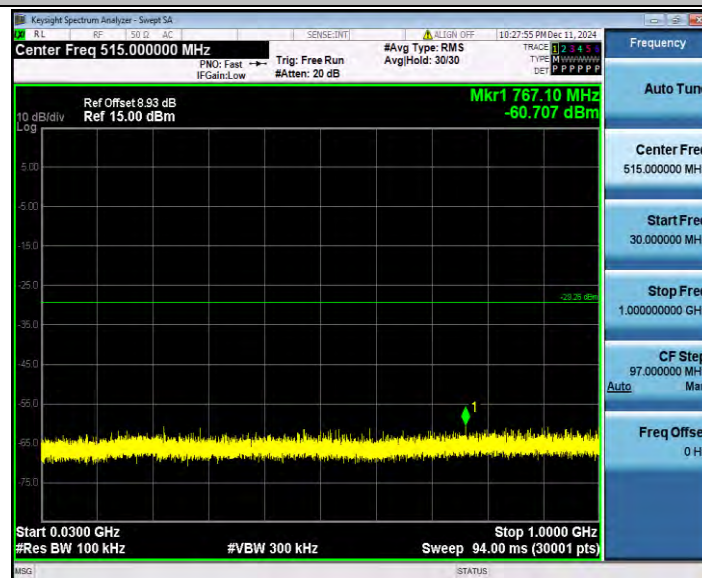
## 11N20SISO\_Ant1\_2437\_30~1000







11N40SISO\_Ant1\_2422\_30~1000



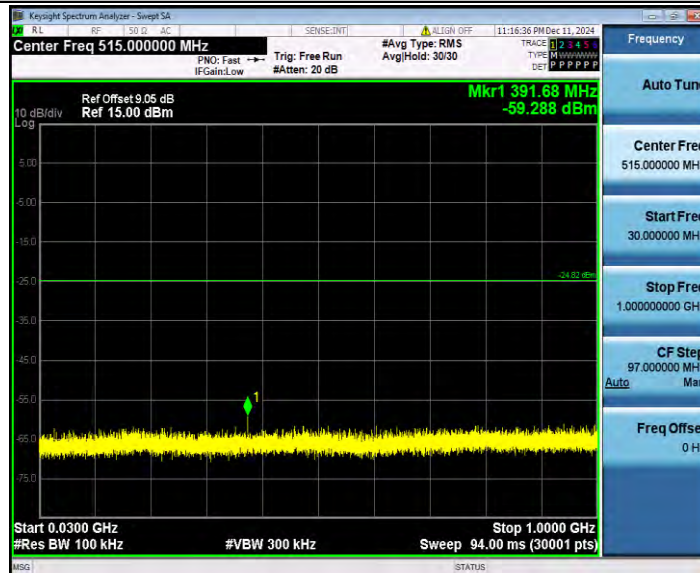
11N40SISO\_Ant1\_2422\_1000~26500



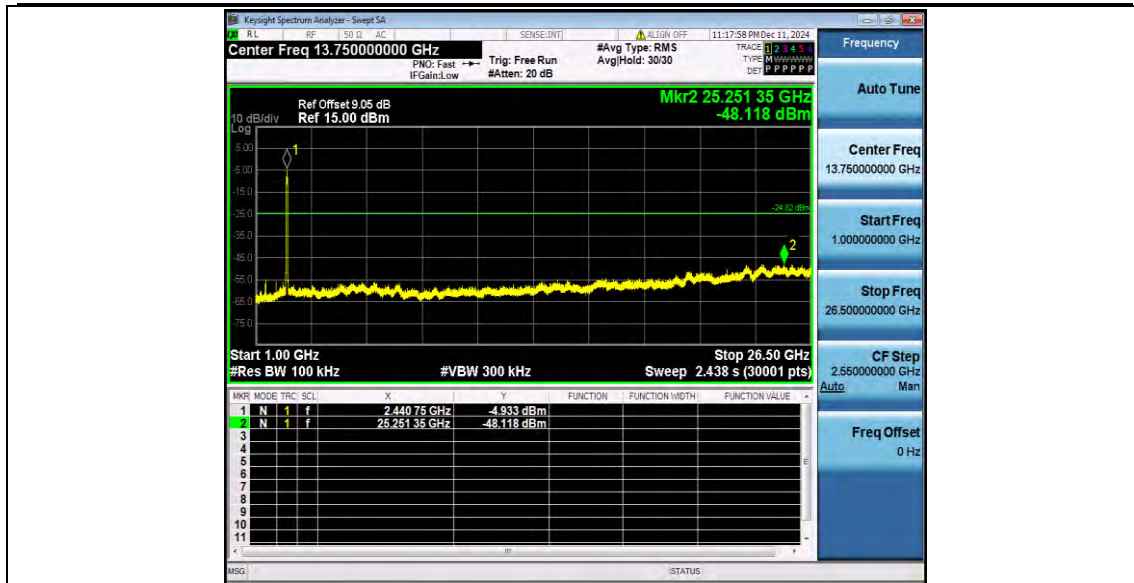
## 11N40SISO\_Ant1\_2437\_0~Reference



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



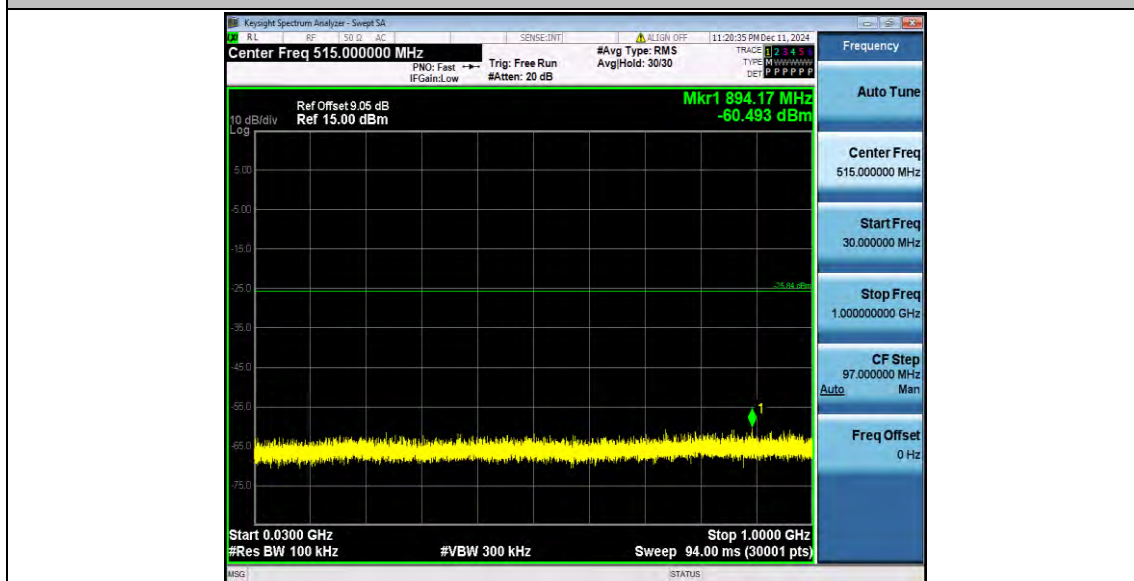
## 11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference



11N40SISO\_Ant1\_2452\_30~1000



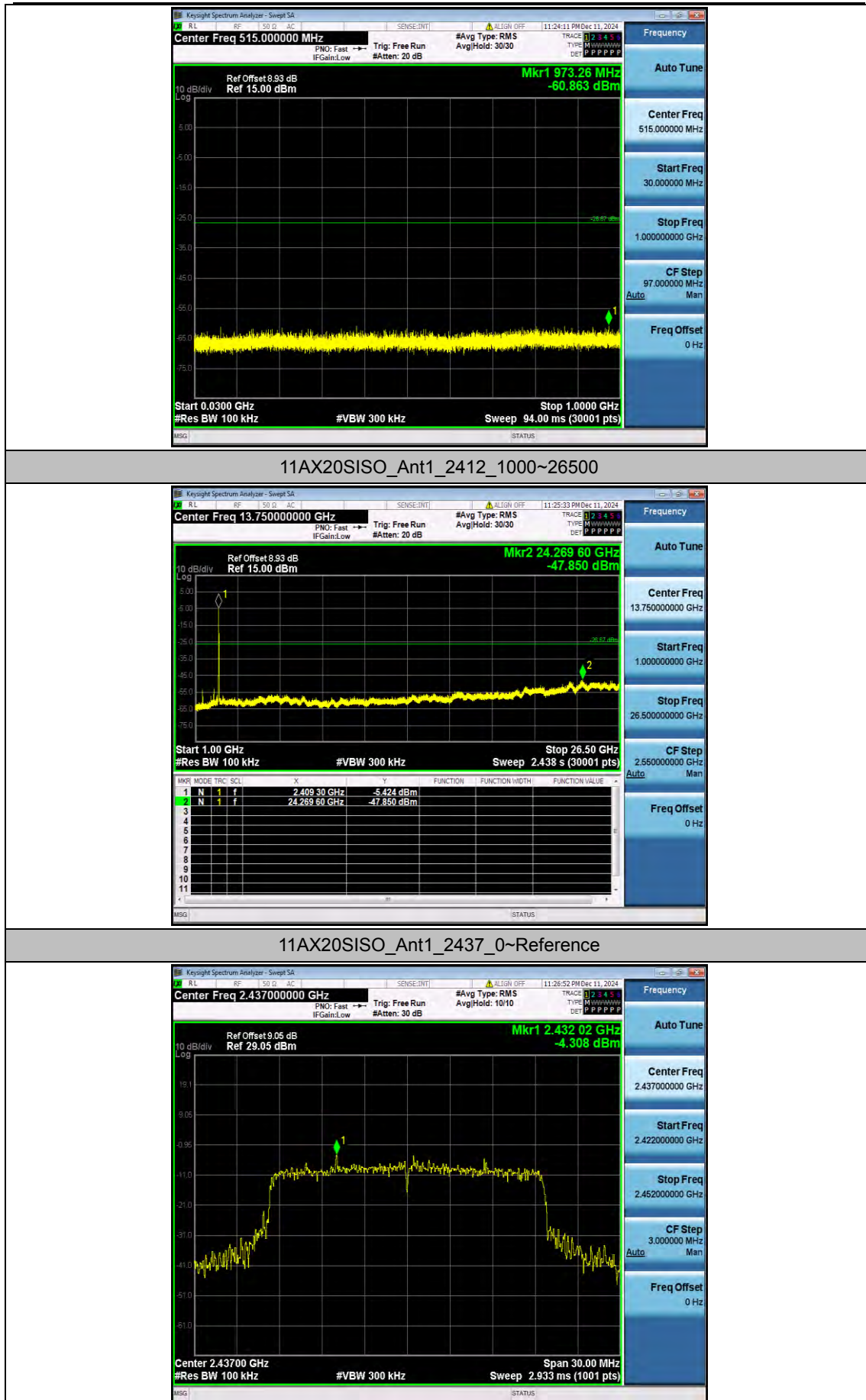
## 11N40SISO\_Ant1\_2452\_1000~26500



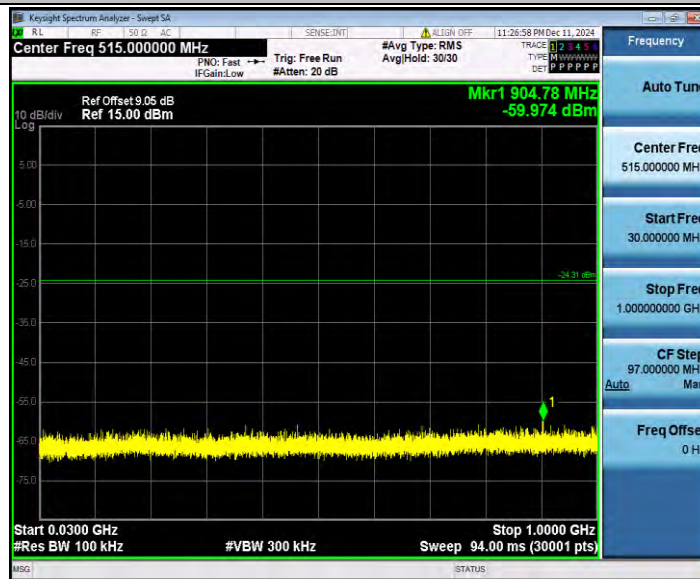
## 11AX20SISO\_Ant1\_2412\_0~Reference



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



## 11AX20SISO\_Ant1\_2437\_30~1000



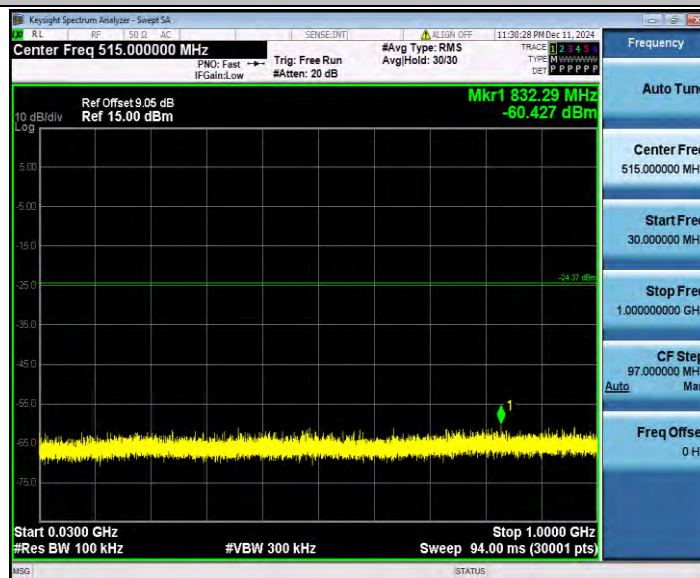
## 11AX20SISO\_Ant1\_2437\_1000~26500



## 11AX20SISO\_Ant1\_2462\_0~Reference



11AX20SISO\_Ant1\_2462\_30~1000



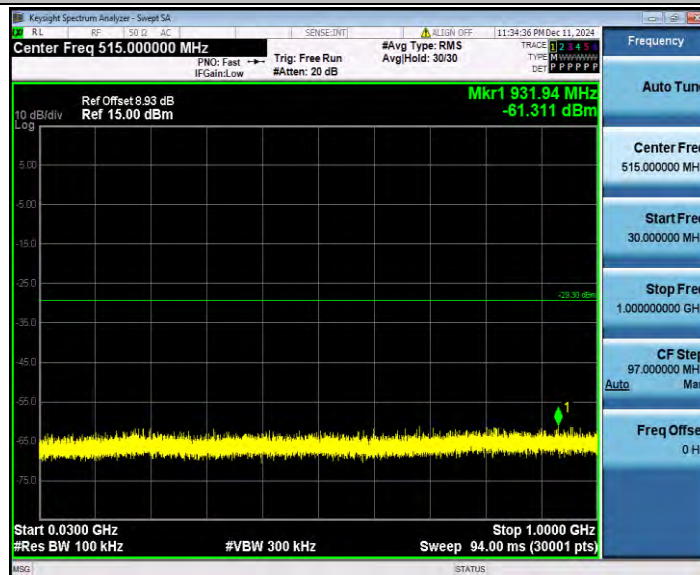
11AX20SISO\_Ant1\_2462\_1000~26500



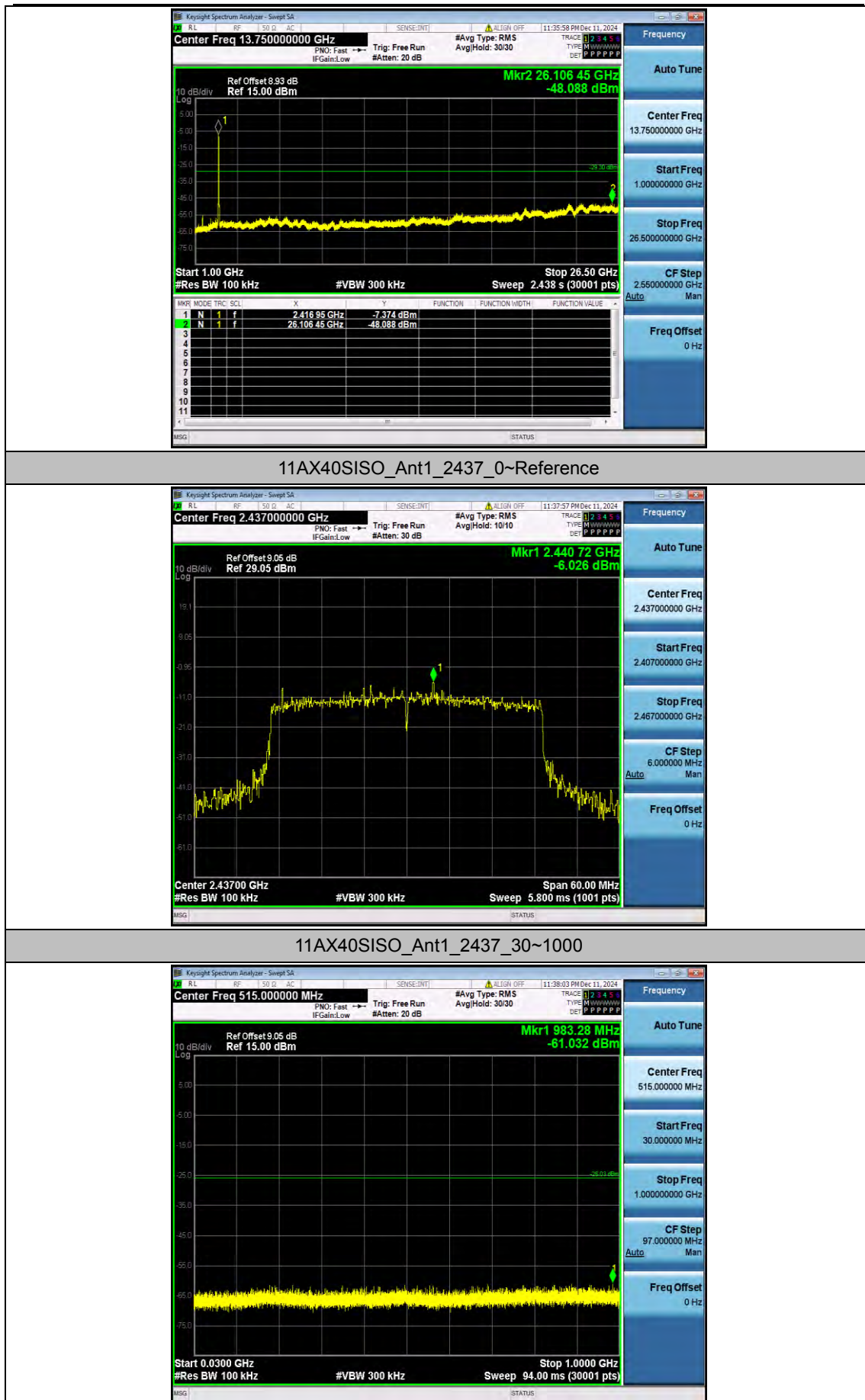
## 11AX40SISO\_Ant1\_2422\_0~Reference



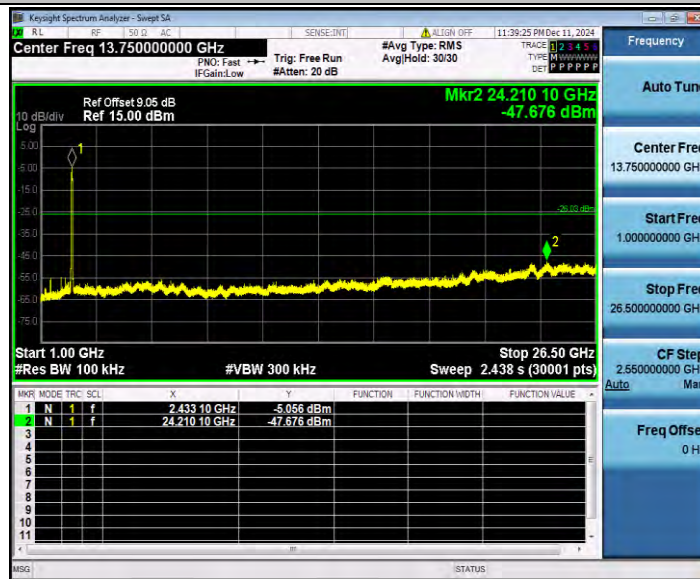
## 11AX40SISO\_Ant1\_2422\_30~1000



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



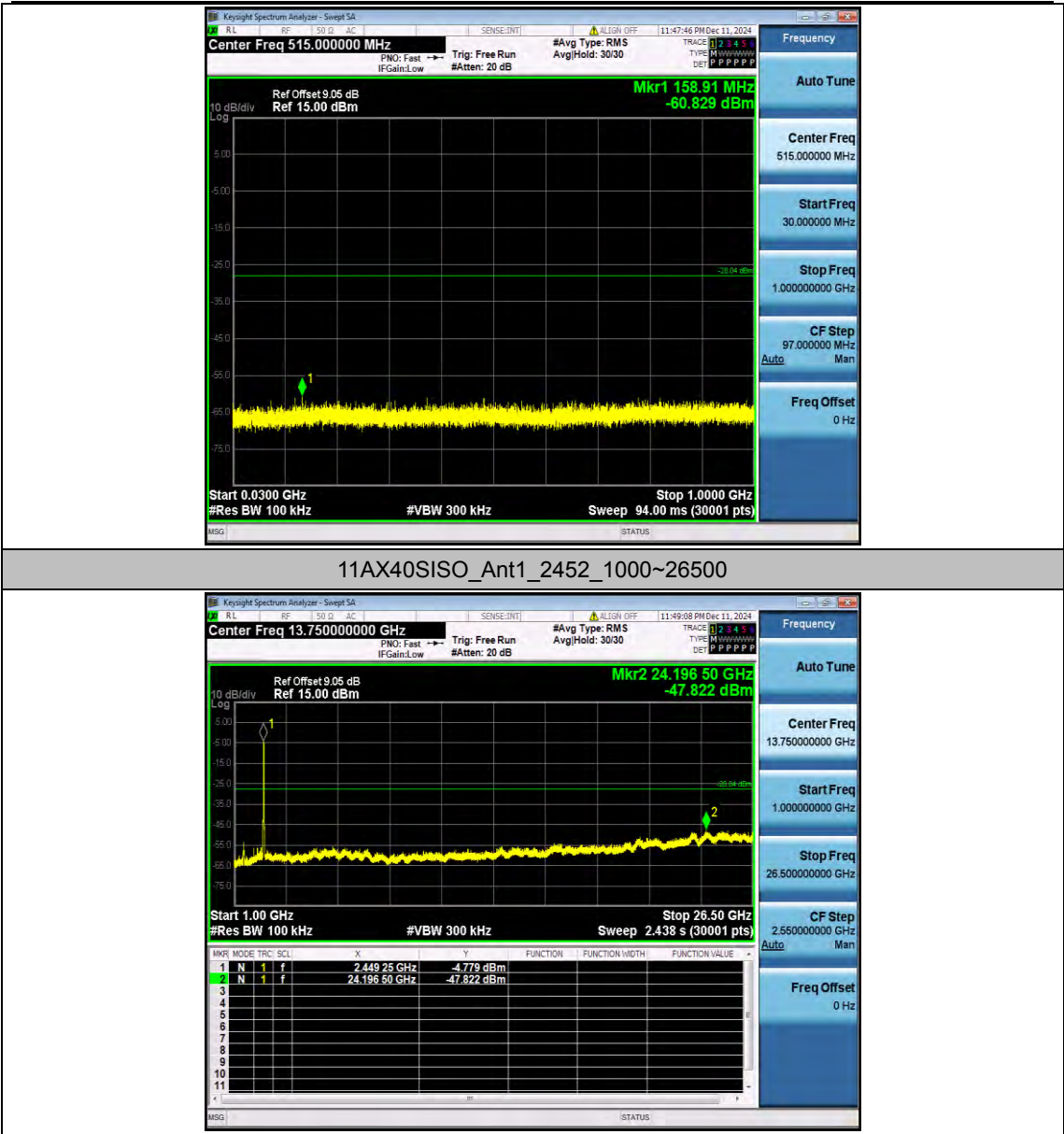
## 11AX40SISO\_Ant1\_2437\_1000~26500



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



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



## Appendix C.7: Emissions in Restricted Bands

### Test Result

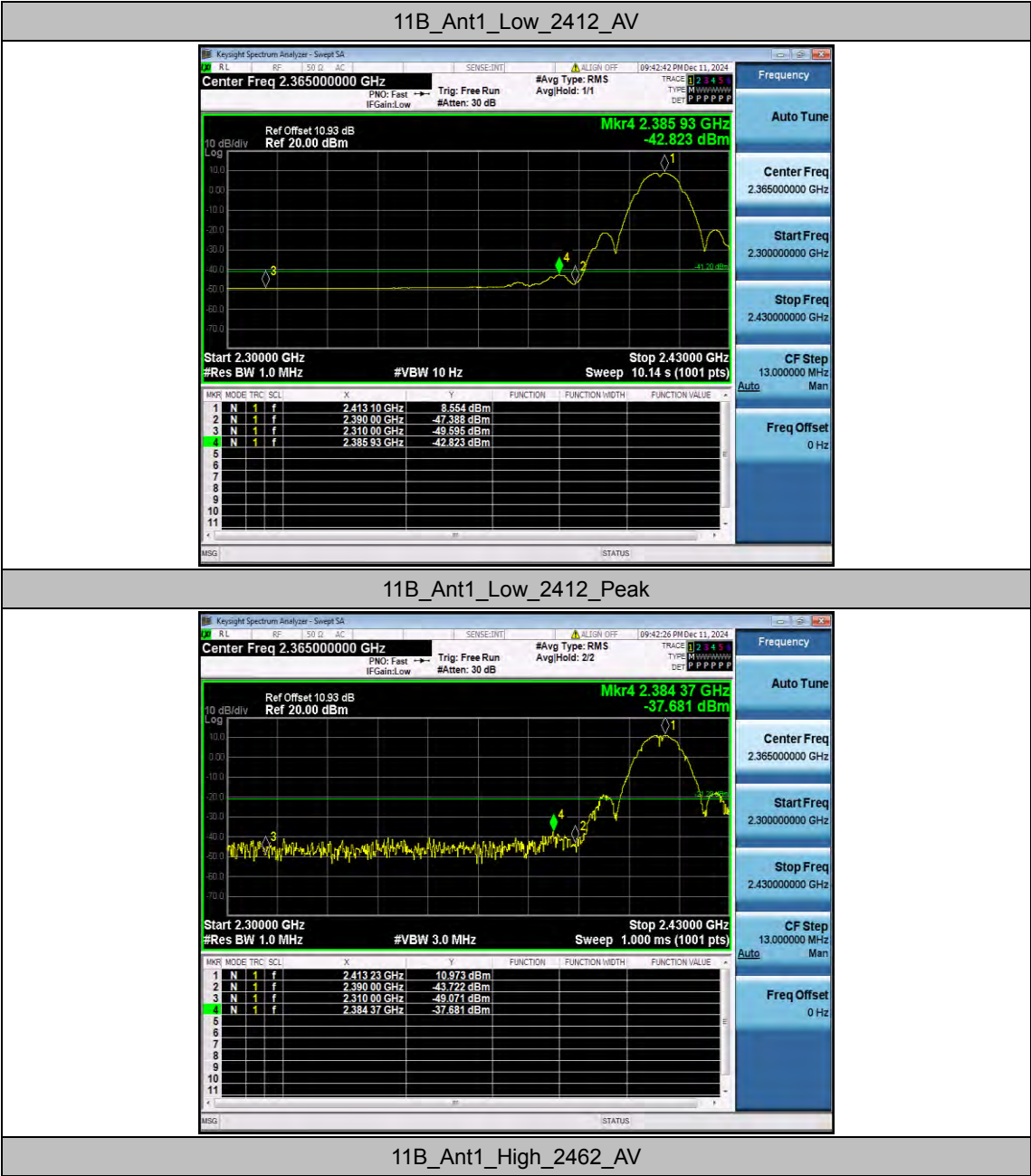
| TestMode      | Antenna | ChName | Frequenc<br>y[MHz] | Detector | Freq<br>[MHz] | Result<br>[dBm] | Limit<br>[dBm] | Result<br>[dBuV/m] | Limit<br>[dBuV/m] | Verdict |
|---------------|---------|--------|--------------------|----------|---------------|-----------------|----------------|--------------------|-------------------|---------|
| 11B           | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.6           | ≤-41.20        | 45.60              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2385.930      | -42.82          | ≤-41.20        | 52.38              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -47.39          | ≤-41.20        | 47.81              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -49.07          | ≤-21.20        | 46.13              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2384.370      | -37.68          | ≤-21.20        | 57.52              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -43.72          | ≤-21.20        | 51.48              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -45.41          | ≤-41.20        | 49.79              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2487.300      | -44.62          | ≤-41.20        | 50.58              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.21          | ≤-41.20        | 46.99              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -40.65          | ≤-21.20        | 54.55              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2489.280      | -38.37          | ≤-21.20        | 56.83              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -44.18          | ≤-21.20        | 51.02              | ≤74               | PASS    |
| 11G           | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.67          | ≤-41.20        | 45.53              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.960      | -45.24          | ≤-41.20        | 49.96              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -45.24          | ≤-41.20        | 49.96              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -48.6           | ≤-21.20        | 46.60              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2386.710      | -38.26          | ≤-21.20        | 56.94              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -44.83          | ≤-21.20        | 50.37              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -45.55          | ≤-41.20        | 49.65              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -45.66          | ≤-41.20        | 49.54              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.92          | ≤-41.20        | 46.28              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -46.04          | ≤-21.20        | 49.16              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2484.220      | -37.16          | ≤-21.20        | 58.04              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -45.28          | ≤-21.20        | 49.92              | ≤74               | PASS    |
| 11N20SIS<br>O | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.68          | ≤-41.20        | 45.52              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.960      | -47.5           | ≤-41.20        | 47.70              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -47.5           | ≤-41.20        | 47.70              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -50.79          | ≤-21.20        | 44.41              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2367.340      | -40.5           | ≤-21.20        | 54.70              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -45.32          | ≤-21.20        | 49.88              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -45.86          | ≤-41.20        | 49.34              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -45.99          | ≤-41.20        | 49.21              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.9           | ≤-41.20        | 46.30              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -40.23          | ≤-21.20        | 54.97              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2483.560      | -40.25          | ≤-21.20        | 54.95              | ≤74               | PASS    |

|                |      |      |      |      |          |        |         |       |     |      |
|----------------|------|------|------|------|----------|--------|---------|-------|-----|------|
|                |      |      |      | Peak | 2500.000 | -43.44 | ≤-21.20 | 51.76 | ≤74 | PASS |
| 11N40SIS<br>O  | Ant1 | Low  | 2422 | AV   | 2310.000 | -49.64 | ≤-41.20 | 45.56 | ≤54 | PASS |
|                |      |      |      | AV   | 2389.960 | -46.27 | ≤-41.20 | 48.93 | ≤54 | PASS |
|                |      |      |      | AV   | 2390.000 | -46.27 | ≤-41.20 | 48.93 | ≤54 | PASS |
|                |      |      |      | Peak | 2310.000 | -44.92 | ≤-21.20 | 50.28 | ≤74 | PASS |
|                |      |      |      | Peak | 2386.970 | -37.26 | ≤-21.20 | 57.94 | ≤74 | PASS |
|                |      |      |      | Peak | 2390.000 | -44.07 | ≤-21.20 | 51.13 | ≤74 | PASS |
|                |      | High | 2452 | AV   | 2483.500 | -43.27 | ≤-41.20 | 51.93 | ≤54 | PASS |
|                |      |      |      | AV   | 2483.560 | -43.31 | ≤-41.20 | 51.89 | ≤54 | PASS |
|                |      |      |      | AV   | 2500.000 | -48.5  | ≤-41.20 | 46.70 | ≤54 | PASS |
|                |      |      |      | Peak | 2483.500 | -33.98 | ≤-21.20 | 61.22 | ≤74 | PASS |
|                |      |      |      | Peak | 2483.780 | -32.41 | ≤-21.20 | 62.79 | ≤74 | PASS |
|                |      |      |      | Peak | 2500.000 | -46.89 | ≤-21.20 | 48.31 | ≤74 | PASS |
| 11AX20SI<br>SO | Ant1 | Low  | 2412 | AV   | 2310.000 | -49.61 | ≤-41.20 | 45.59 | ≤54 | PASS |
|                |      |      |      | AV   | 2389.960 | -46.71 | ≤-41.20 | 48.49 | ≤54 | PASS |
|                |      |      |      | AV   | 2390.000 | -46.71 | ≤-41.20 | 48.49 | ≤54 | PASS |
|                |      |      |      | Peak | 2310.000 | -47.81 | ≤-21.20 | 47.39 | ≤74 | PASS |
|                |      |      |      | Peak | 2389.960 | -39.44 | ≤-21.20 | 55.76 | ≤74 | PASS |
|                |      |      |      | Peak | 2390.000 | -39.44 | ≤-21.20 | 55.76 | ≤74 | PASS |
|                |      | High | 2462 | AV   | 2483.500 | -44.21 | ≤-41.20 | 50.99 | ≤54 | PASS |
|                |      |      |      | AV   | 2483.560 | -44.33 | ≤-41.20 | 50.87 | ≤54 | PASS |
|                |      |      |      | AV   | 2500.000 | -48.83 | ≤-41.20 | 46.37 | ≤54 | PASS |
|                |      |      |      | Peak | 2483.500 | -38.77 | ≤-21.20 | 56.43 | ≤74 | PASS |
|                |      |      |      | Peak | 2484.550 | -35.39 | ≤-21.20 | 59.81 | ≤74 | PASS |
|                |      |      |      | Peak | 2500.000 | -44.83 | ≤-21.20 | 50.37 | ≤74 | PASS |
| 11AX40SI<br>SO | Ant1 | Low  | 2422 | AV   | 2310.000 | -49.59 | ≤-41.20 | 45.61 | ≤54 | PASS |
|                |      |      |      | AV   | 2389.960 | -45.89 | ≤-41.20 | 49.31 | ≤54 | PASS |
|                |      |      |      | AV   | 2390.000 | -45.89 | ≤-41.20 | 49.31 | ≤54 | PASS |
|                |      |      |      | Peak | 2310.000 | -50.67 | ≤-21.20 | 44.53 | ≤74 | PASS |
|                |      |      |      | Peak | 2388.790 | -36.62 | ≤-21.20 | 58.58 | ≤74 | PASS |
|                |      |      |      | Peak | 2390.000 | -39.26 | ≤-21.20 | 55.94 | ≤74 | PASS |
|                |      | High | 2452 | AV   | 2483.500 | -43.22 | ≤-41.20 | 51.98 | ≤54 | PASS |
|                |      |      |      | AV   | 2483.780 | -43.32 | ≤-41.20 | 51.88 | ≤54 | PASS |
|                |      |      |      | AV   | 2500.000 | -48.35 | ≤-41.20 | 46.85 | ≤54 | PASS |
|                |      |      |      | Peak | 2483.500 | -36.38 | ≤-21.20 | 58.82 | ≤74 | PASS |
|                |      |      |      | Peak | 2484.990 | -34.81 | ≤-21.20 | 60.39 | ≤74 | PASS |
|                |      |      |      | Peak | 2500.000 | -40.75 | ≤-21.20 | 54.45 | ≤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

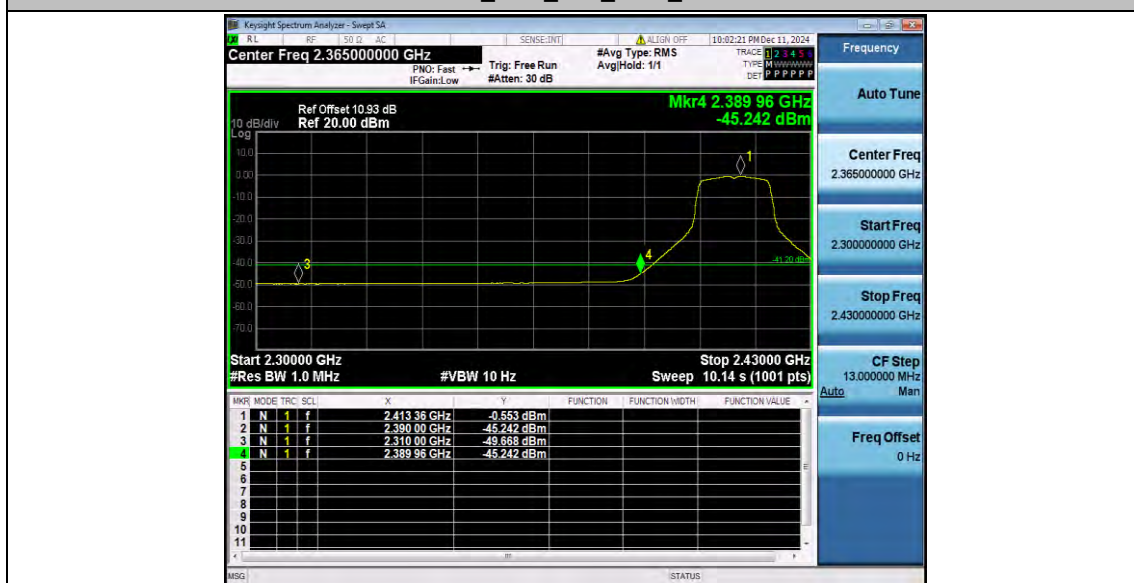


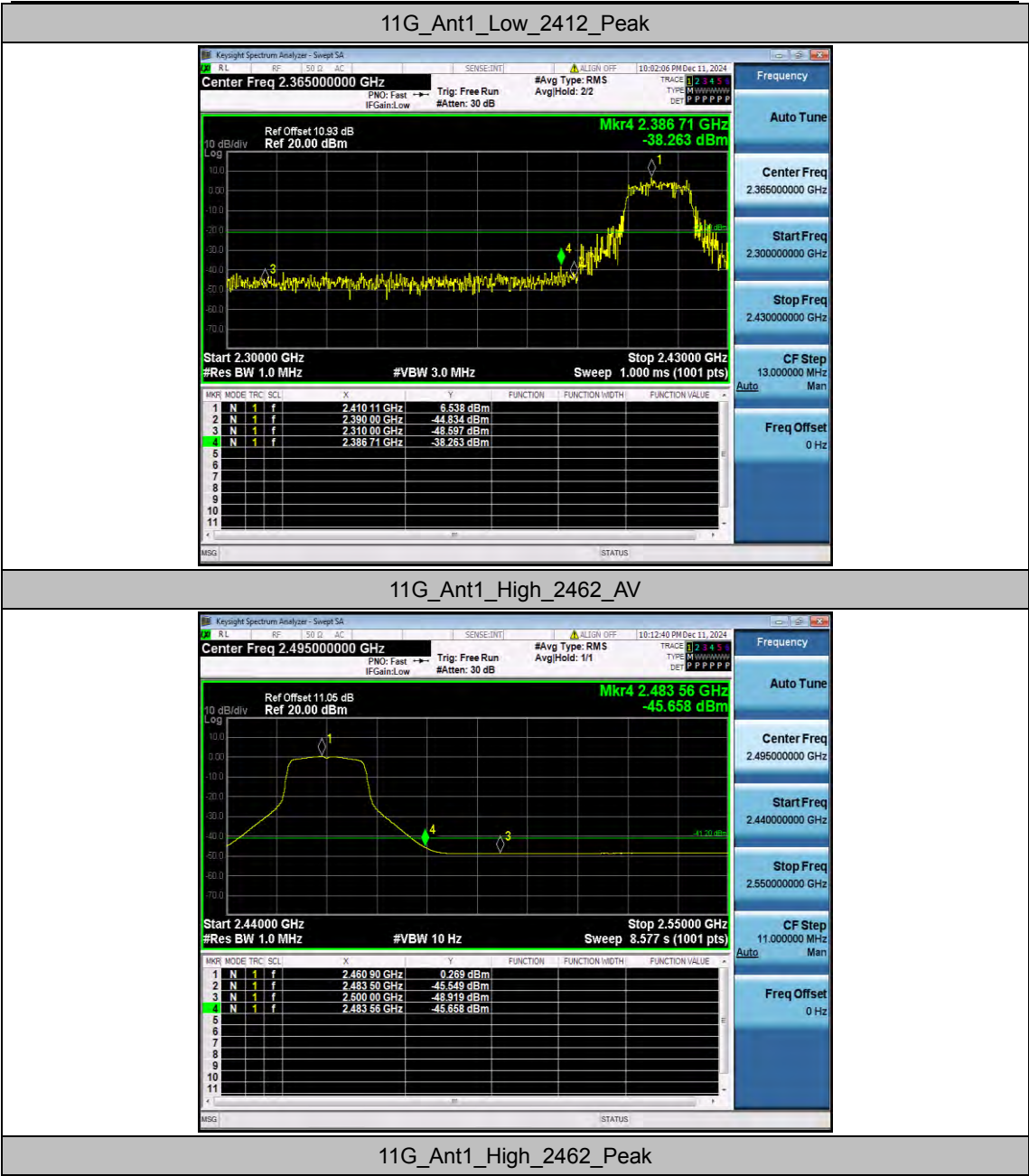


11B\_Ant1\_High\_2462\_Peak



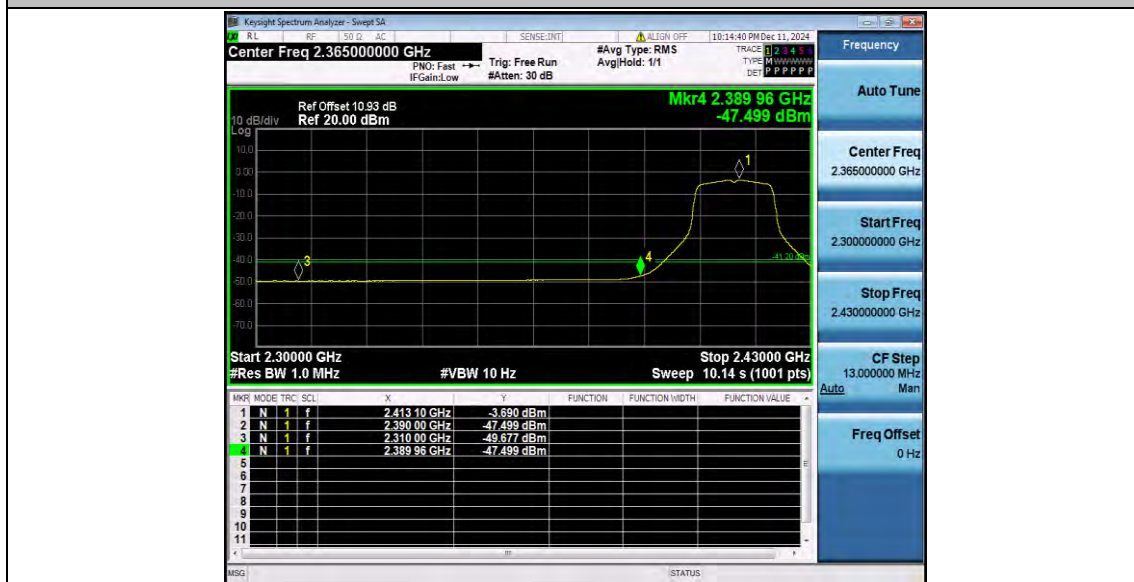
11G\_Ant1\_Low\_2412\_AV



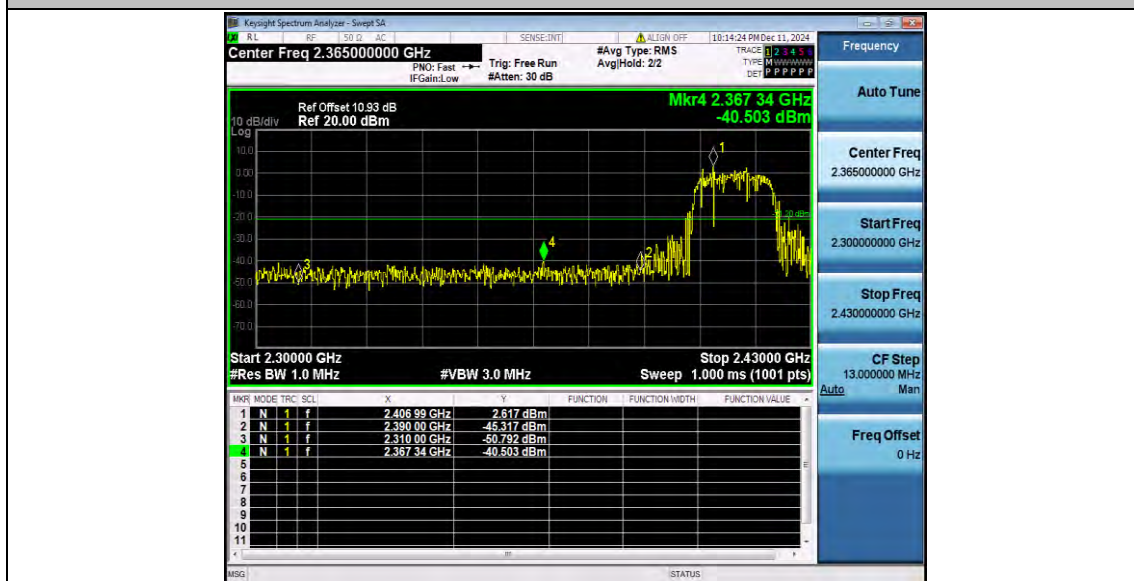




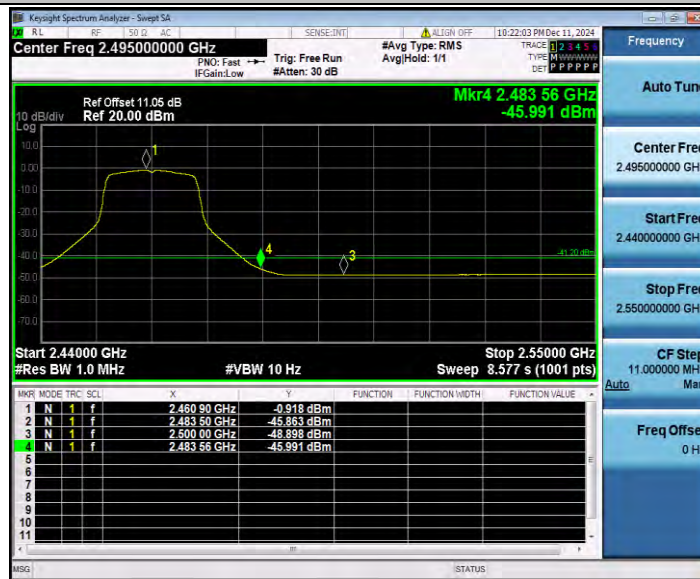
11N20SISO\_Ant1\_Low\_2412\_AV



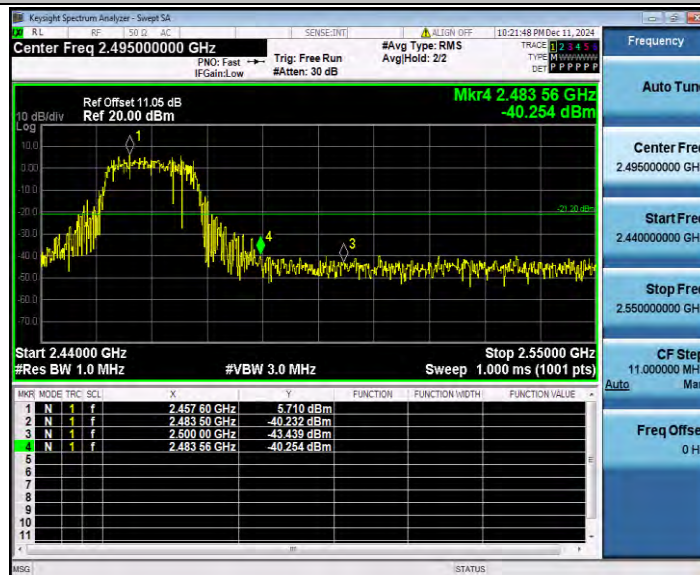
11N20SISO\_Ant1\_Low\_2412\_Peak



## 11N20SISO\_Ant1\_High\_2462\_AV



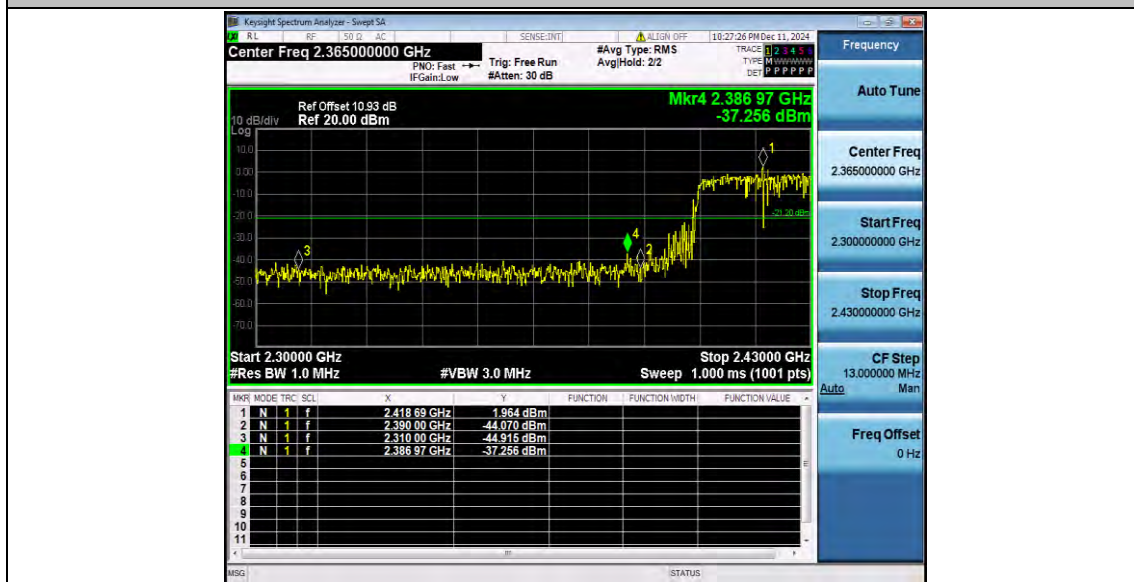
## 11N20SISO\_Ant1\_High\_2462\_Peak



## 11N40SISO\_Ant1\_Low\_2422\_AV

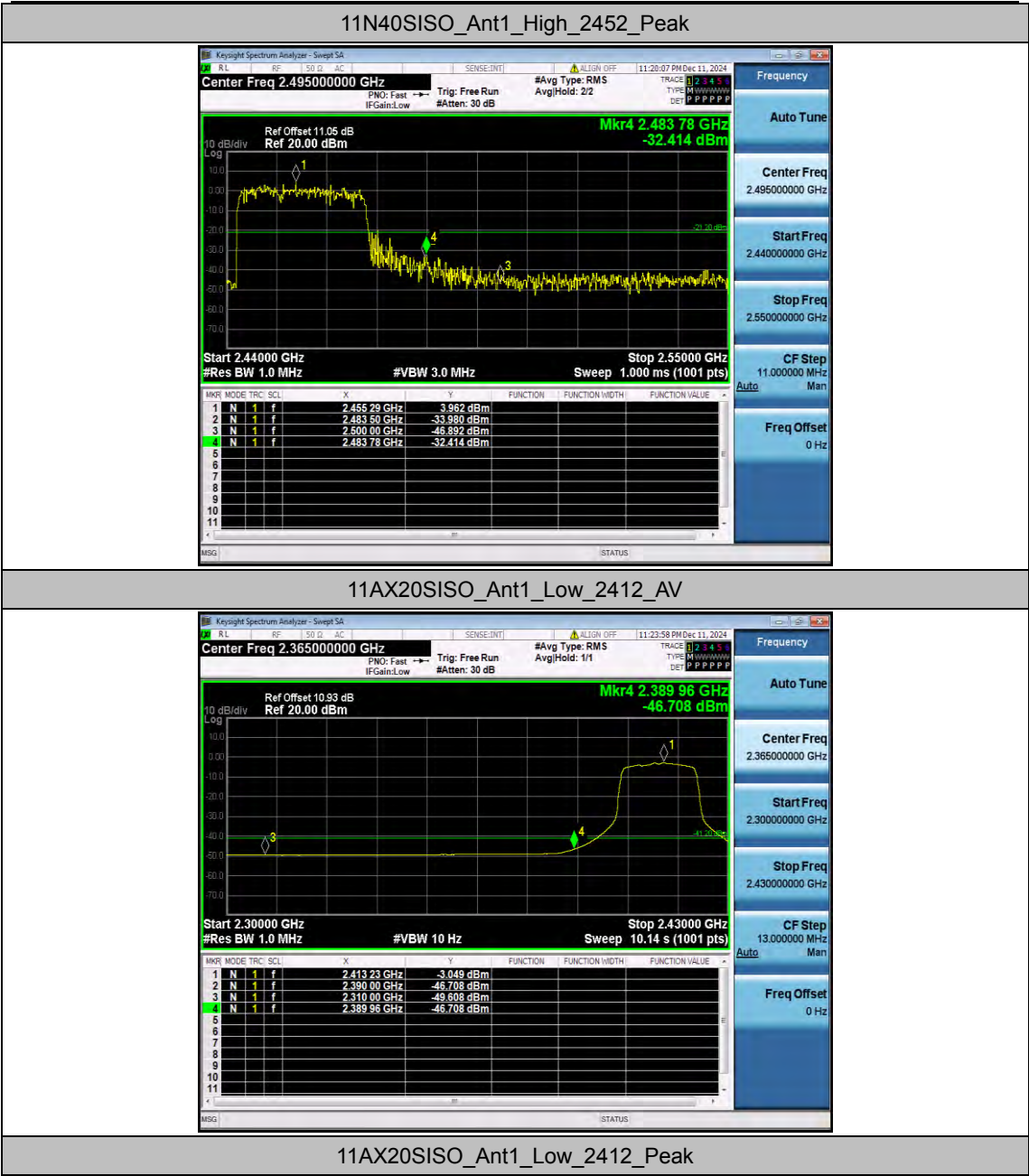


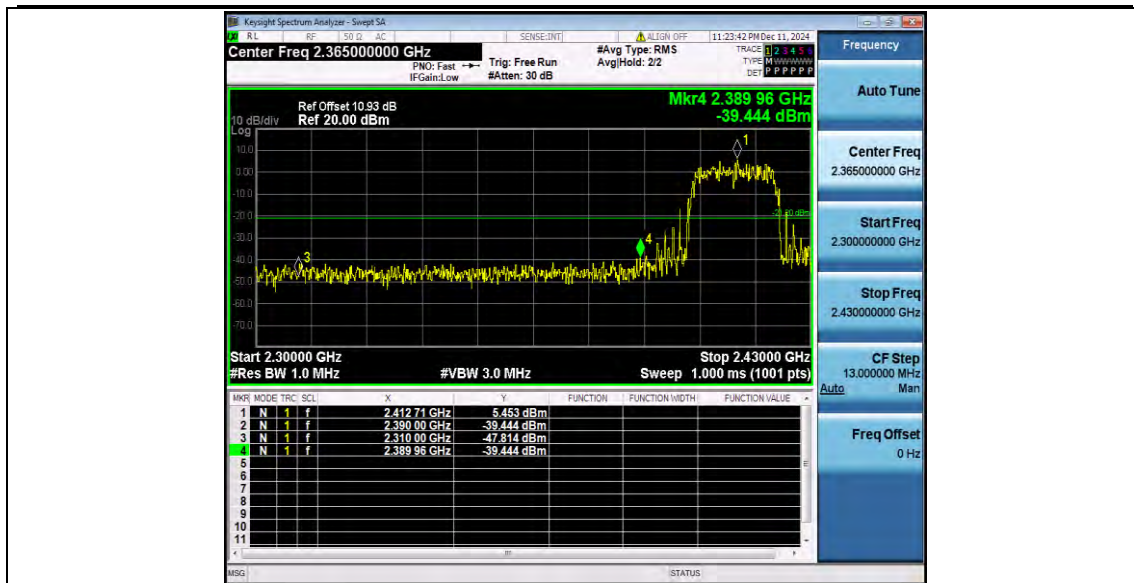
11N40SISO\_Ant1\_Low\_2422\_Peak



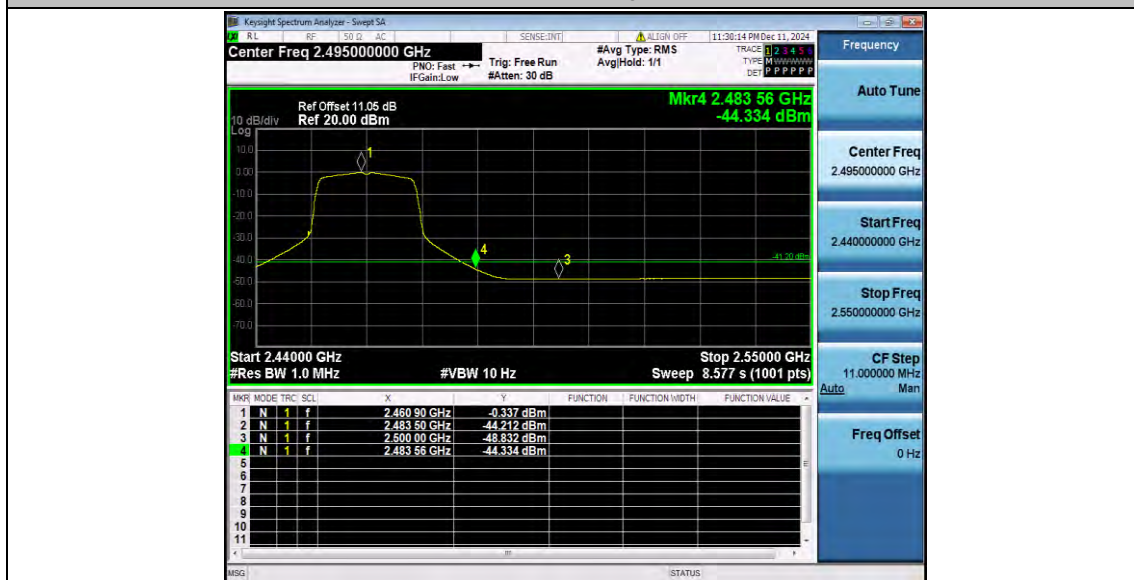
11N40SISO\_Ant1\_High\_2452\_AV



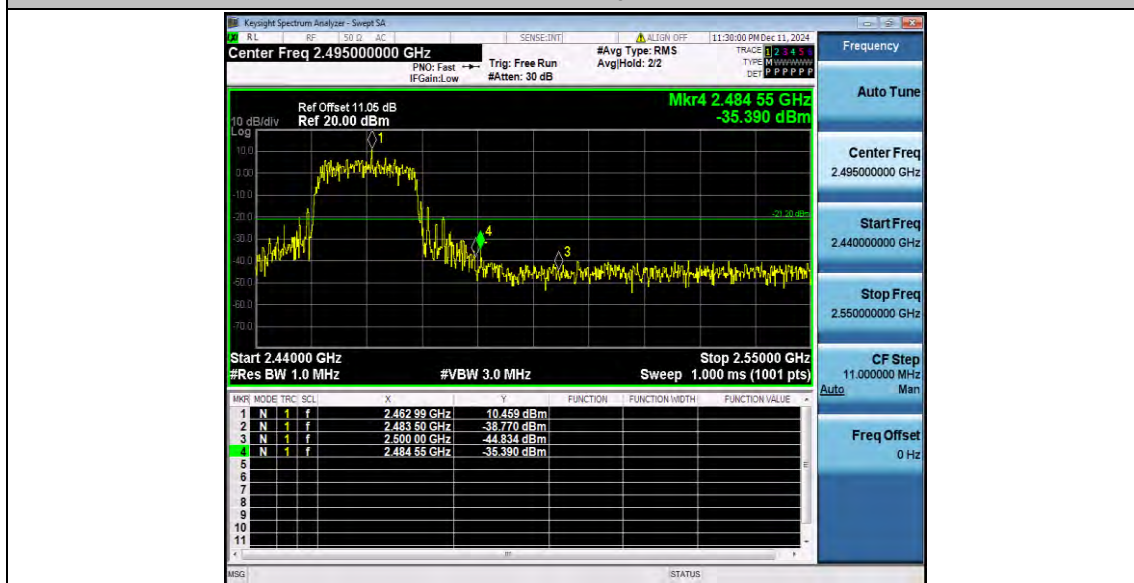




11AX20SISO\_Ant1\_High\_2462\_AV



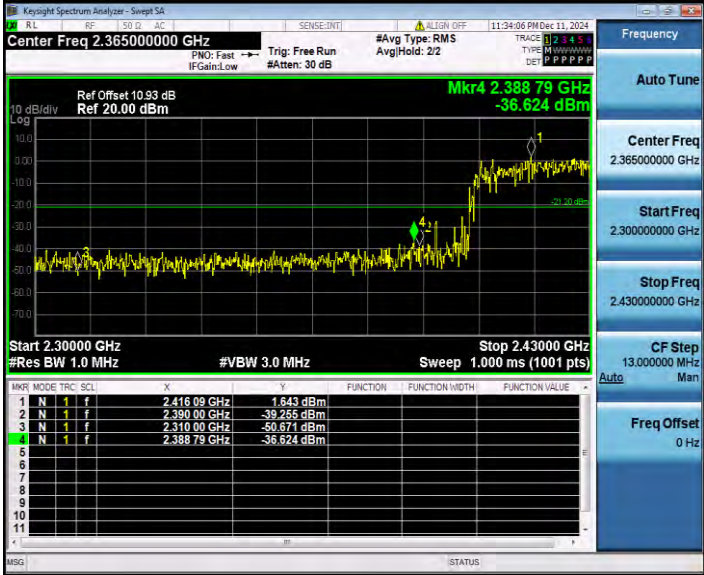
11AX20SISO\_Ant1\_High\_2462\_Peak



11AX40SISO\_Ant1\_Low\_2422\_AV



11AX40SISO\_Ant1\_Low\_2422\_Peak



11AX40SISO\_Ant1\_High\_2452\_AV

