

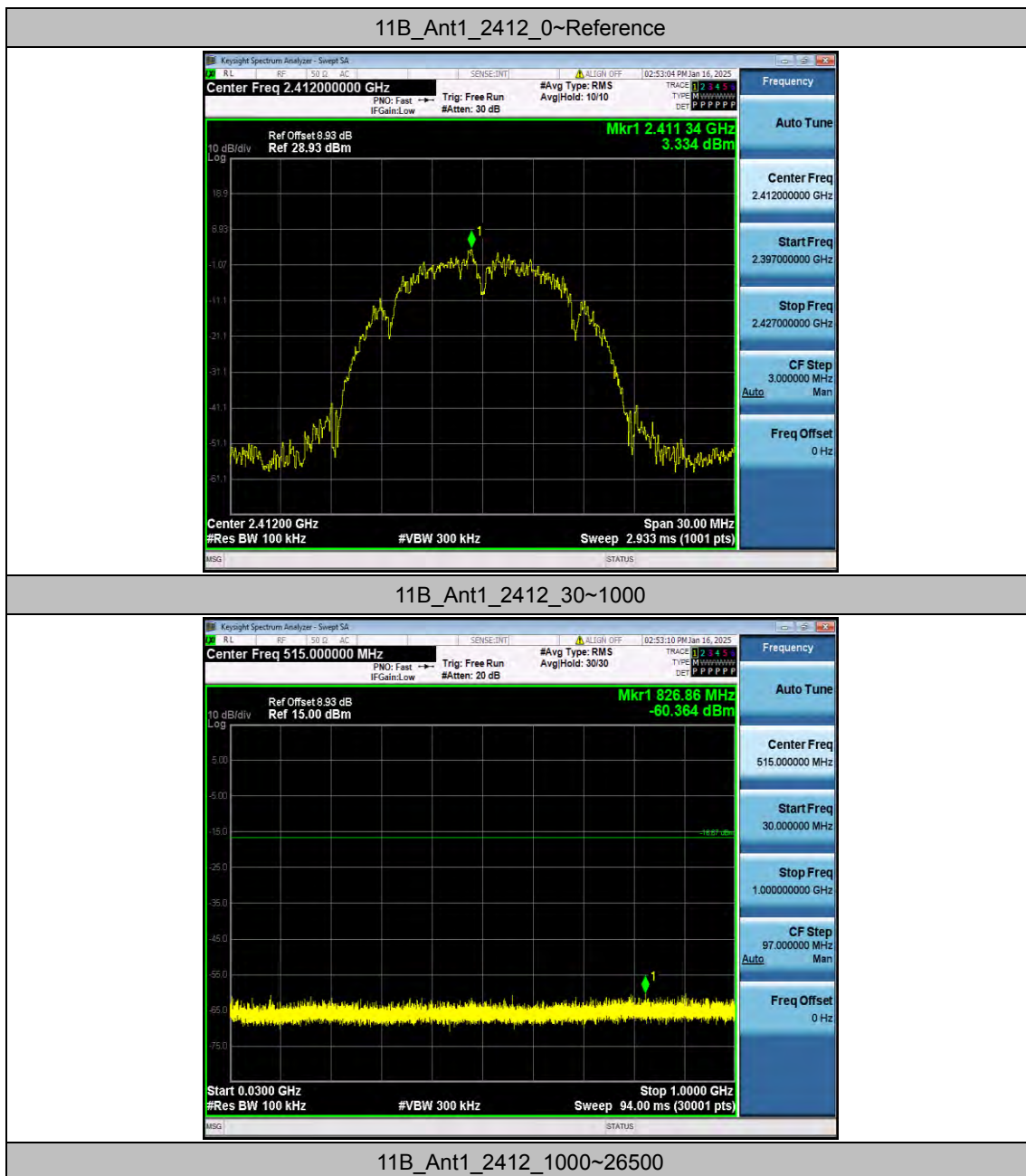
## Appendix C.6: Conducted Spurious Emission

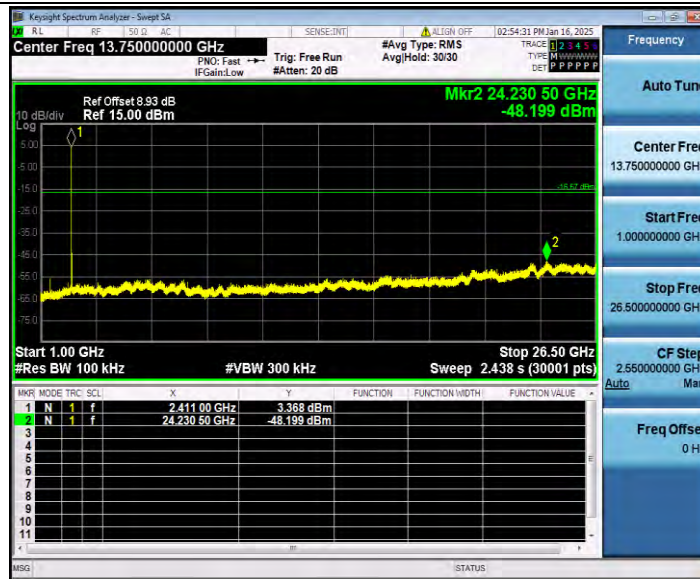
### Test Result

| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| 11B       | Ant1    | 2412           | Reference       | 3.33           | 3.33         | ---           | PASS    |
|           |         |                | 30~1000         | 3.33           | -60.36       | $\leq -16.67$ | PASS    |
|           |         |                | 1000~26500      | 3.33           | -48.2        | $\leq -16.67$ | PASS    |
|           |         | 2437           | Reference       | 3.81           | 3.81         | ---           | PASS    |
|           |         |                | 30~1000         | 3.81           | -59.84       | $\leq -16.19$ | PASS    |
|           |         |                | 1000~26500      | 3.81           | -48.06       | $\leq -16.19$ | PASS    |
|           |         | 2462           | Reference       | 3.18           | 3.18         | ---           | PASS    |
|           |         |                | 30~1000         | 3.18           | -60.6        | $\leq -16.82$ | PASS    |
|           |         |                | 1000~26500      | 3.18           | -47.94       | $\leq -16.82$ | PASS    |
| 11G       | Ant1    | 2412           | Reference       | 2.40           | 2.40         | ---           | PASS    |
|           |         |                | 30~1000         | 2.40           | -60.46       | $\leq -17.6$  | PASS    |
|           |         |                | 1000~26500      | 2.40           | -47.21       | $\leq -17.6$  | PASS    |
|           |         | 2437           | Reference       | 3.38           | 3.38         | ---           | PASS    |
|           |         |                | 30~1000         | 3.38           | -60.09       | $\leq -16.62$ | PASS    |
|           |         |                | 1000~26500      | 3.38           | -48.5        | $\leq -16.62$ | PASS    |
|           |         | 2462           | Reference       | 3.80           | 3.80         | ---           | PASS    |
|           |         |                | 30~1000         | 3.80           | -59.85       | $\leq -16.2$  | PASS    |
|           |         |                | 1000~26500      | 3.80           | -47.62       | $\leq -16.2$  | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | 2.81           | 2.81         | ---           | PASS    |
|           |         |                | 30~1000         | 2.81           | -59.61       | $\leq -17.19$ | PASS    |
|           |         |                | 1000~26500      | 2.81           | -47.28       | $\leq -17.19$ | PASS    |
|           |         | 2437           | Reference       | 2.68           | 2.68         | ---           | PASS    |
|           |         |                | 30~1000         | 2.68           | -60.64       | $\leq -17.32$ | PASS    |
|           |         |                | 1000~26500      | 2.68           | -47.99       | $\leq -17.32$ | PASS    |
|           |         | 2462           | Reference       | 3.20           | 3.20         | ---           | PASS    |
|           |         |                | 30~1000         | 3.20           | -59.95       | $\leq -16.8$  | PASS    |
|           |         |                | 1000~26500      | 3.20           | -48.07       | $\leq -16.8$  | PASS    |
| 11N40SISO | Ant1    | 2422           | Reference       | 0.44           | 0.44         | ---           | PASS    |
|           |         |                | 30~1000         | 0.44           | -60.23       | $\leq -19.56$ | PASS    |
|           |         |                | 1000~26500      | 0.44           | -48.05       | $\leq -19.56$ | PASS    |
|           |         | 2437           | Reference       | -2.37          | -2.37        | ---           | PASS    |
|           |         |                | 30~1000         | -2.37          | -59.98       | $\leq -22.37$ | PASS    |
|           |         |                | 1000~26500      | -2.37          | -47.89       | $\leq -22.37$ | PASS    |
|           |         | 2452           | Reference       | 0.83           | 0.83         | ---           | PASS    |
|           |         |                | 30~1000         | 0.83           | -59.88       | $\leq -19.17$ | PASS    |
|           |         |                | 1000~26500      | 0.83           | -47.79       | $\leq -19.17$ | PASS    |

|            |      |      |            |       |        |               |      |
|------------|------|------|------------|-------|--------|---------------|------|
| 11AX20SISO | Ant1 | 2412 | Reference  | 2.72  | 2.72   | ---           | PASS |
|            |      |      | 30~1000    | 2.72  | -60.41 | $\leq -17.28$ | PASS |
|            |      |      | 1000~26500 | 2.72  | -48.12 | $\leq -17.28$ | PASS |
|            |      | 2437 | Reference  | 3.19  | 3.19   | ---           | PASS |
|            |      |      | 30~1000    | 3.19  | -60.2  | $\leq -16.81$ | PASS |
|            |      |      | 1000~26500 | 3.19  | -48.14 | $\leq -16.81$ | PASS |
|            |      | 2462 | Reference  | 2.52  | 2.52   | ---           | PASS |
|            |      |      | 30~1000    | 2.52  | -59.73 | $\leq -17.48$ | PASS |
|            |      |      | 1000~26500 | 2.52  | -48.32 | $\leq -17.48$ | PASS |
| 11AX40SISO | Ant1 | 2422 | Reference  | -0.29 | -0.29  | ---           | PASS |
|            |      |      | 30~1000    | -0.29 | -60.47 | $\leq -20.29$ | PASS |
|            |      |      | 1000~26500 | -0.29 | -48.12 | $\leq -20.29$ | PASS |
|            |      | 2437 | Reference  | 1.26  | 1.26   | ---           | PASS |
|            |      |      | 30~1000    | 1.26  | -60    | $\leq -18.74$ | PASS |
|            |      |      | 1000~26500 | 1.26  | -47.65 | $\leq -18.74$ | PASS |
|            |      | 2452 | Reference  | 0.94  | 0.94   | ---           | PASS |
|            |      |      | 30~1000    | 0.94  | -59.89 | $\leq -19.06$ | PASS |
|            |      |      | 1000~26500 | 0.94  | -47.39 | $\leq -19.06$ | PASS |

## Test Graphs

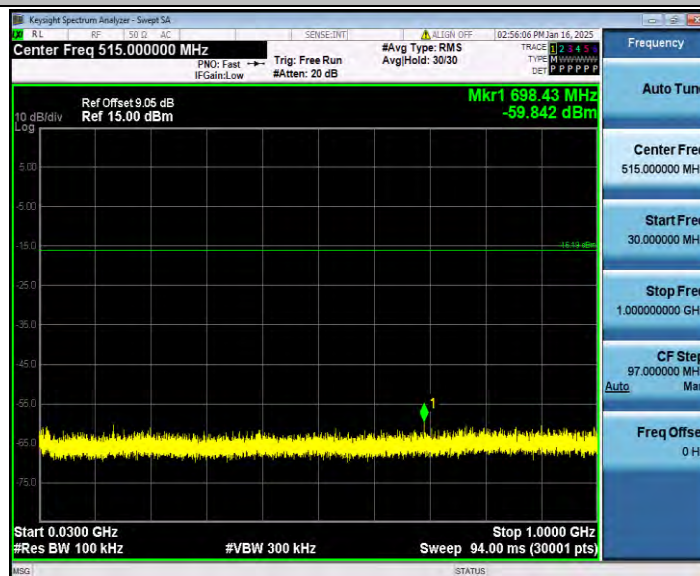




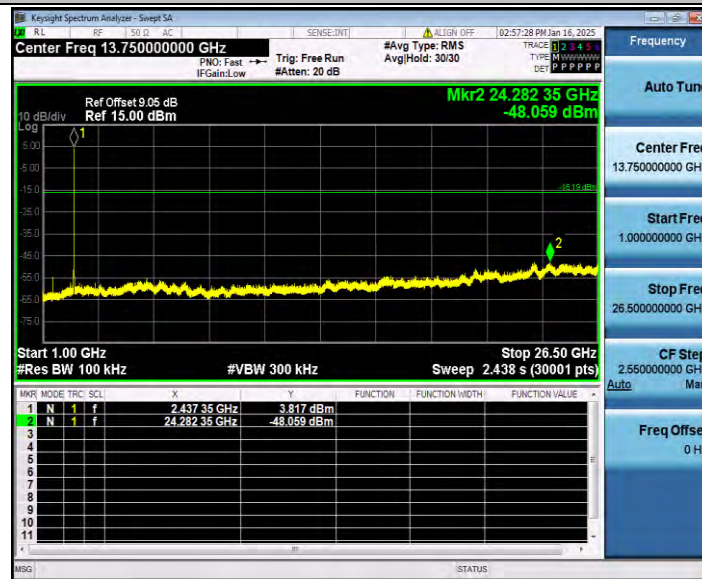
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



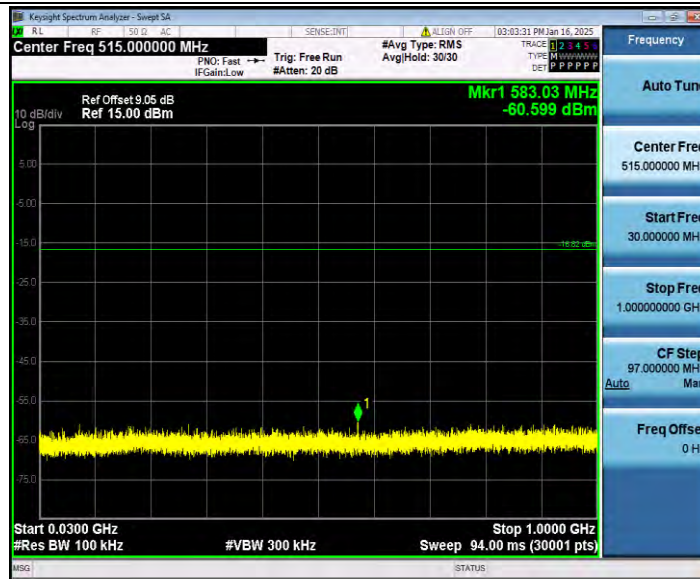
## 11B\_Ant1\_2437\_1000~26500



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



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

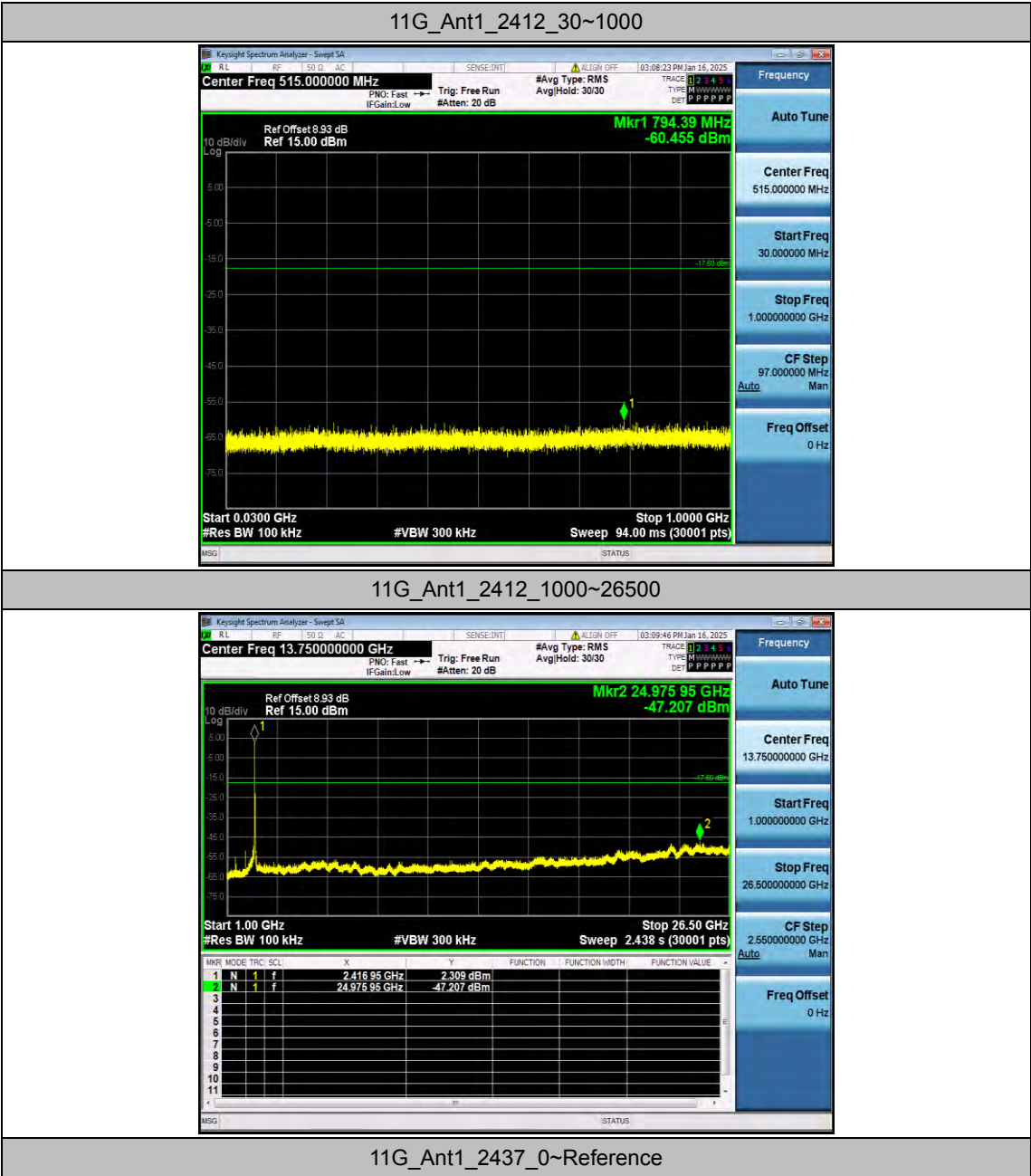


11B\_Ant1\_2462\_1000~26500



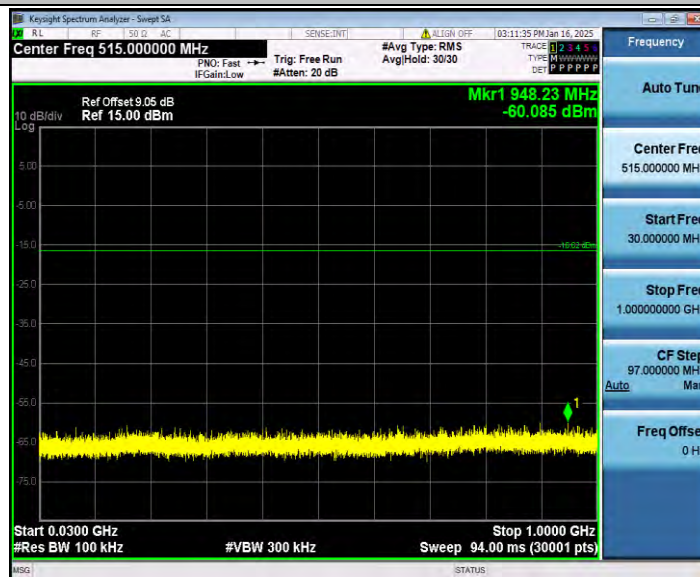
11G\_Ant1\_2412\_0~Reference



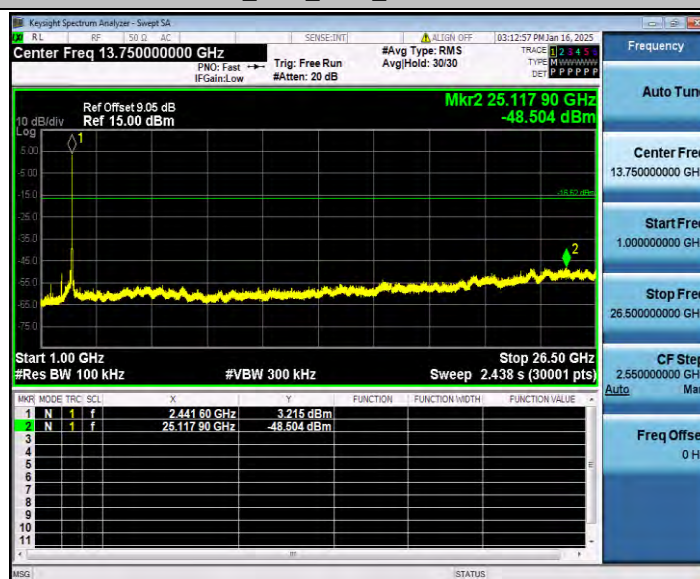




11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500



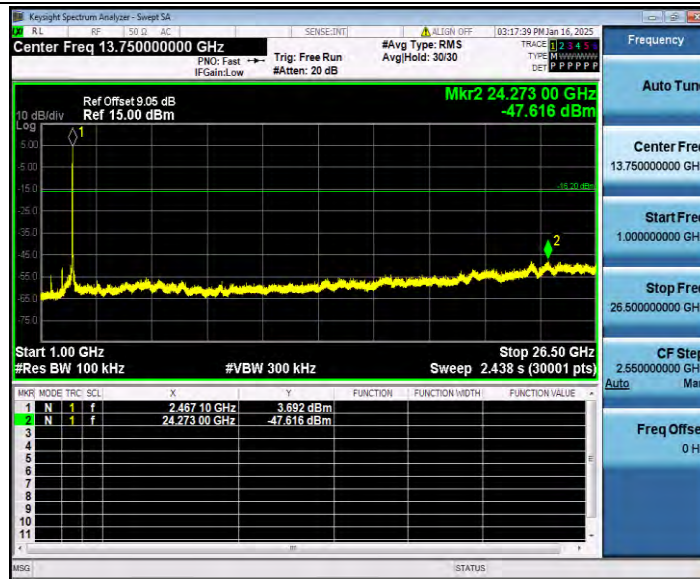
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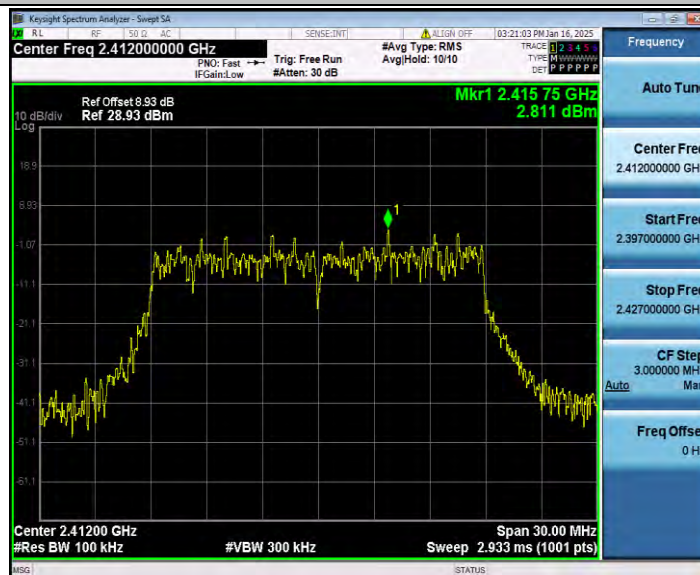
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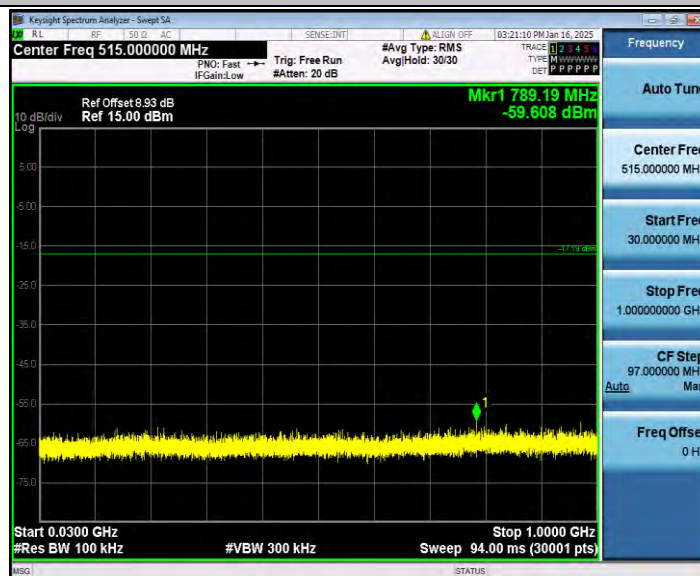
## 11G\_Ant1\_2462\_1000~26500

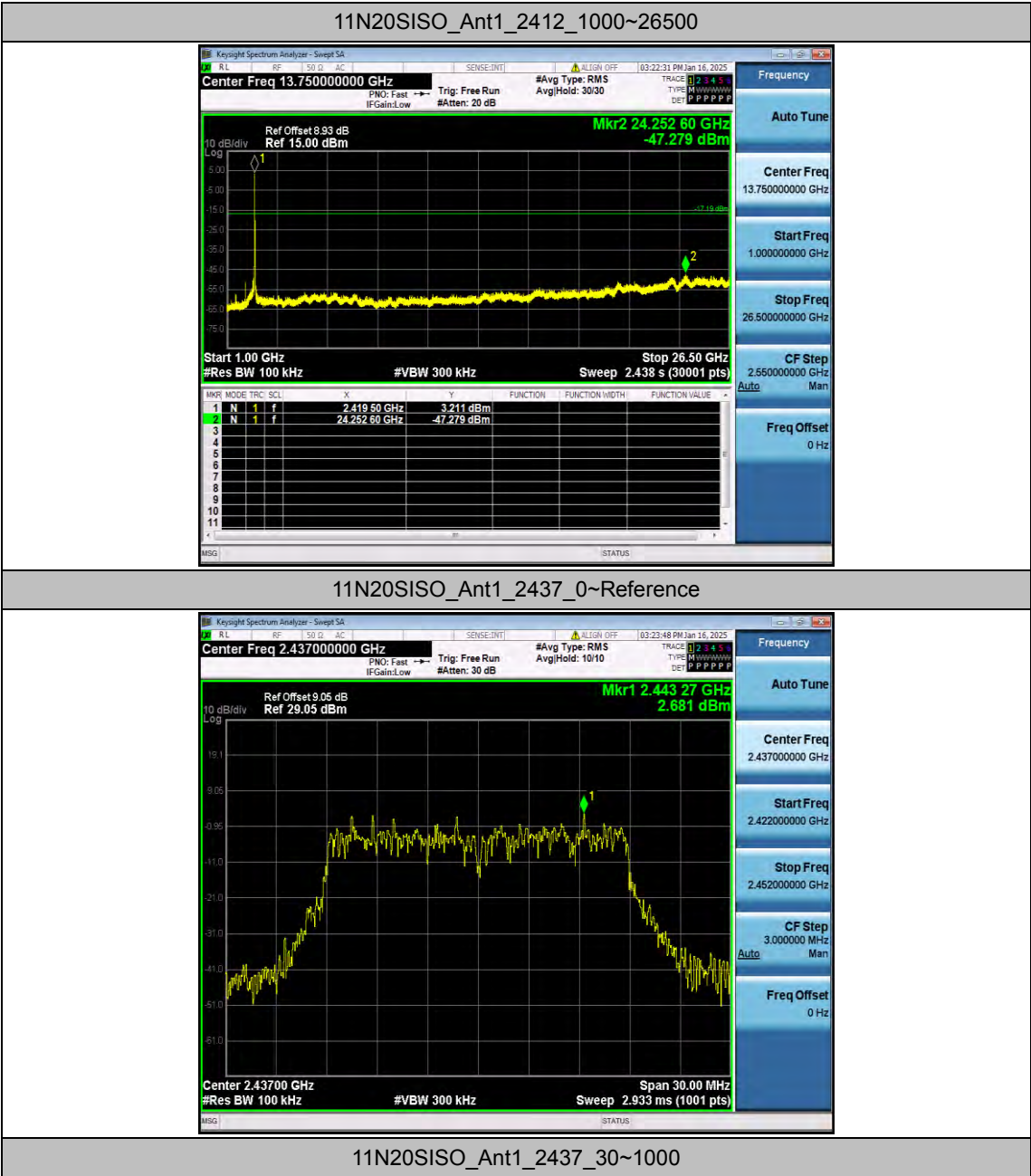


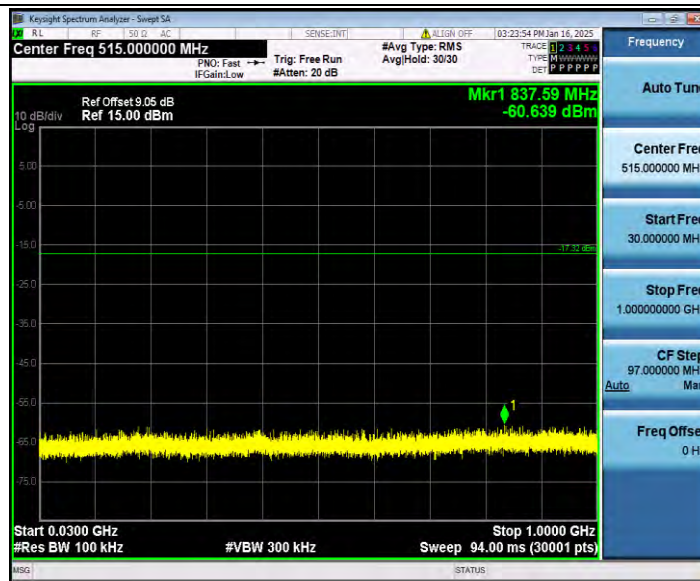
11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000





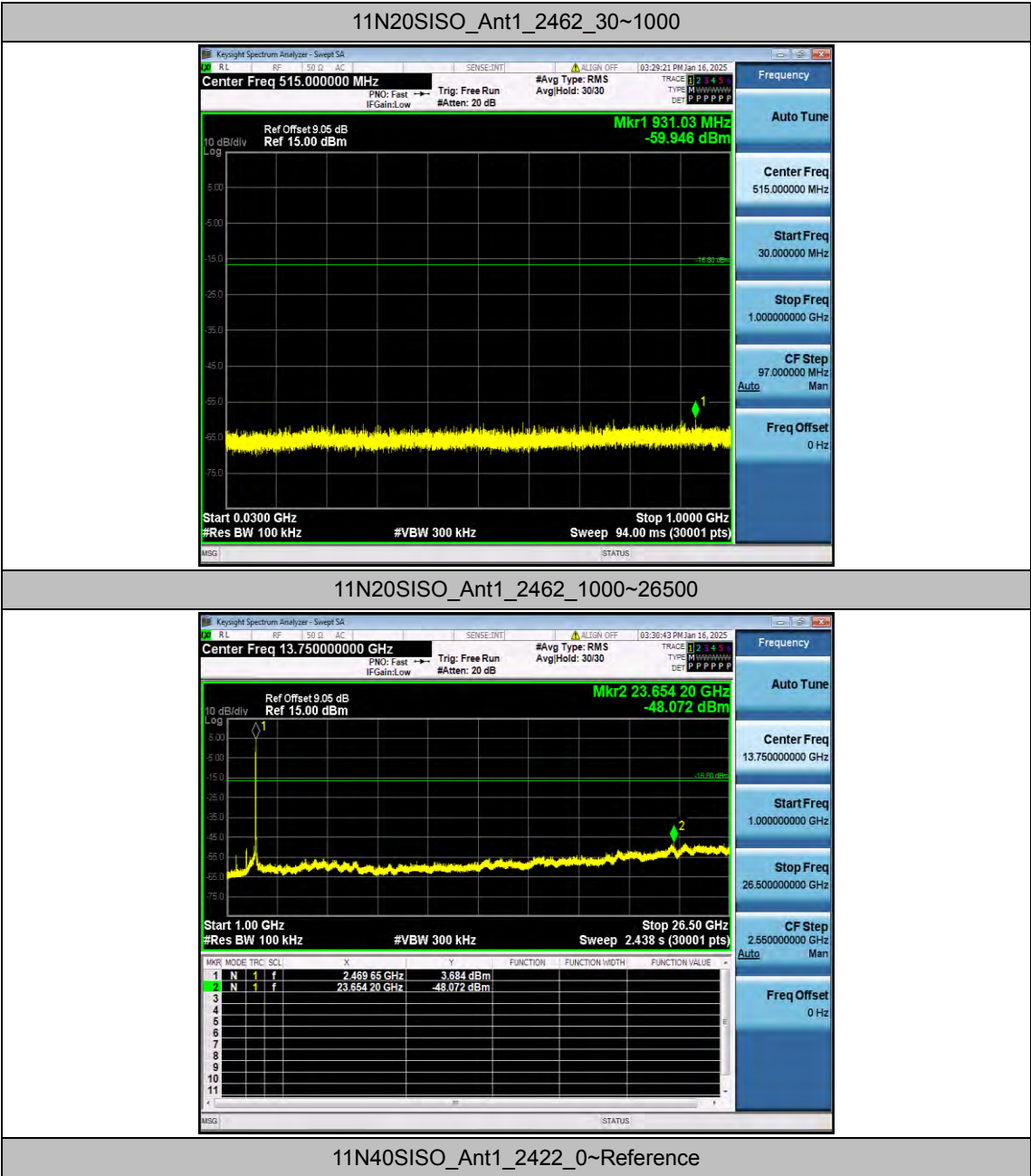


11N20SISO\_Ant1\_2437\_1000~26500



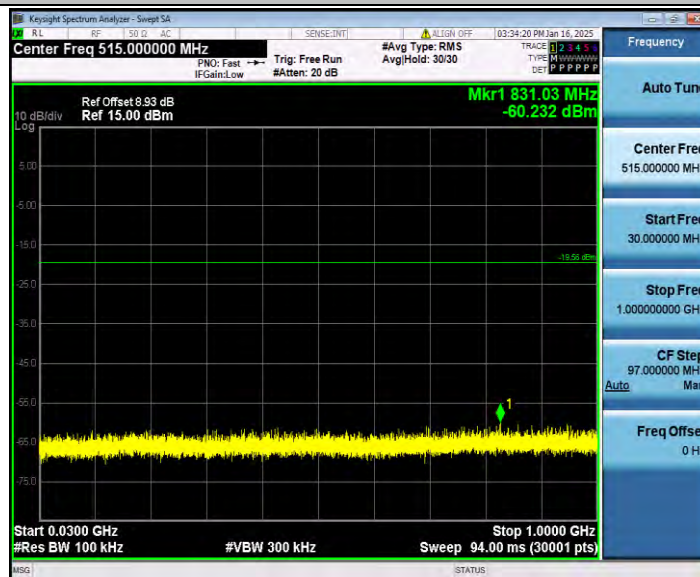
11N20SISO\_Ant1\_2462\_0~Reference



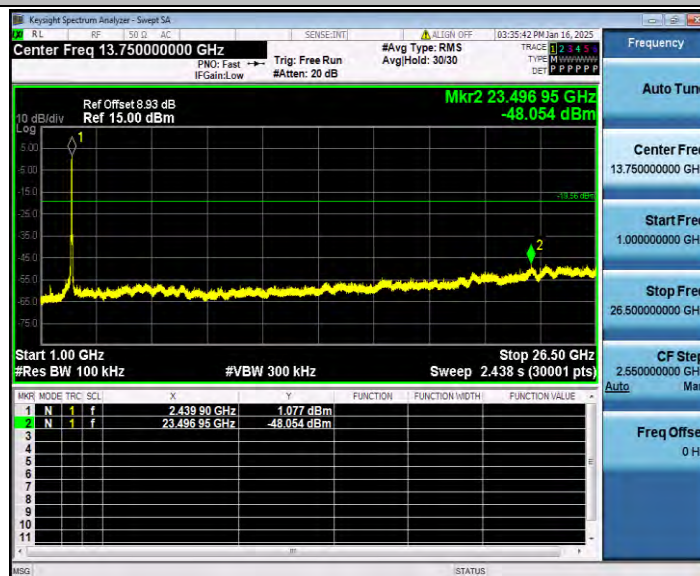




11N40SISO\_Ant1\_2422\_30~1000



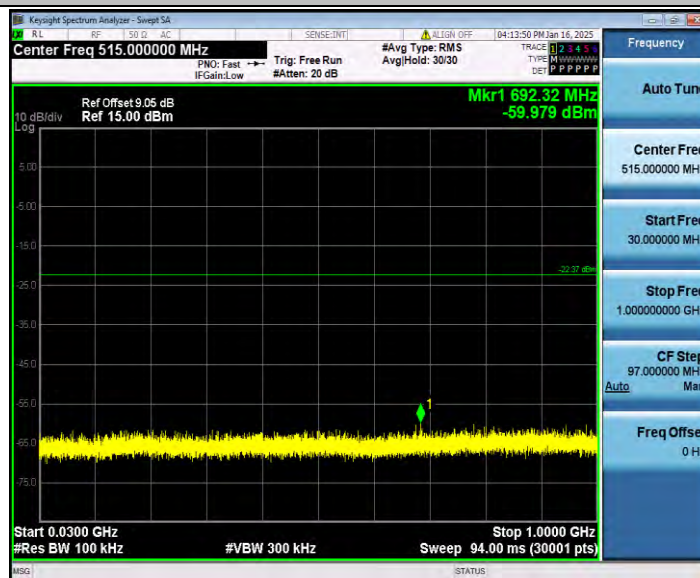
11N40SISO\_Ant1\_2422\_1000~26500



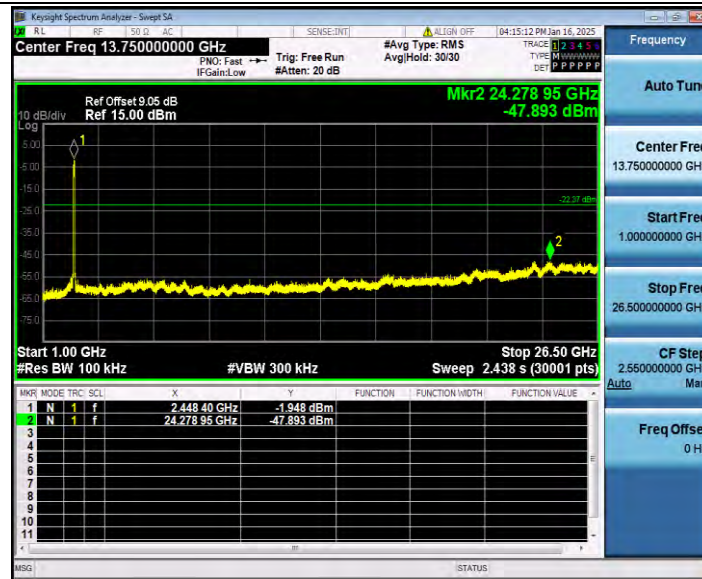
## 11N40SISO\_Ant1\_2437\_0~Reference



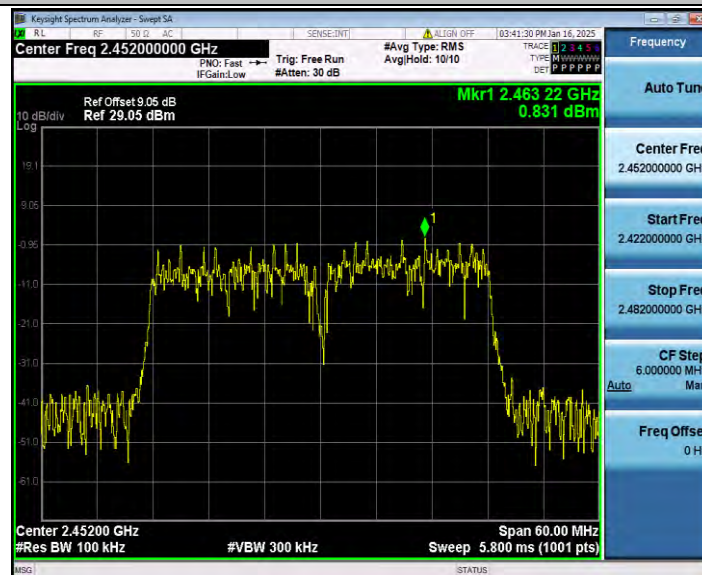
## 11N40SISO\_Ant1\_2437\_30~1000



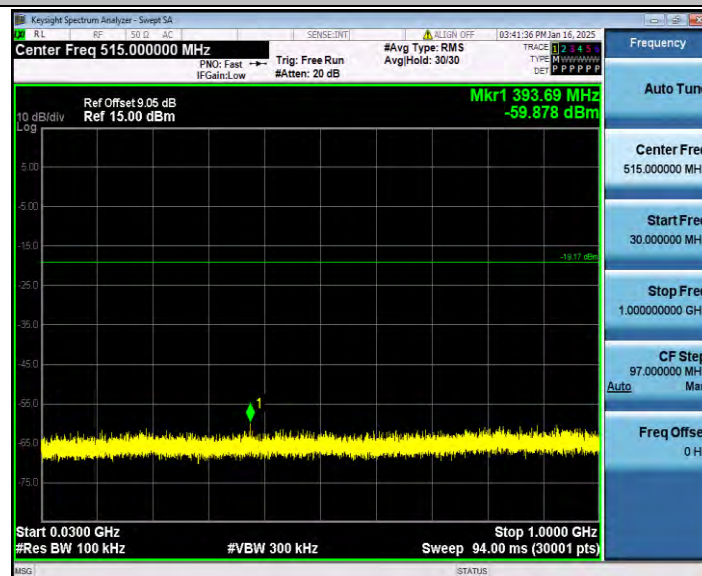
## 11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference



11N40SISO\_Ant1\_2452\_30~1000



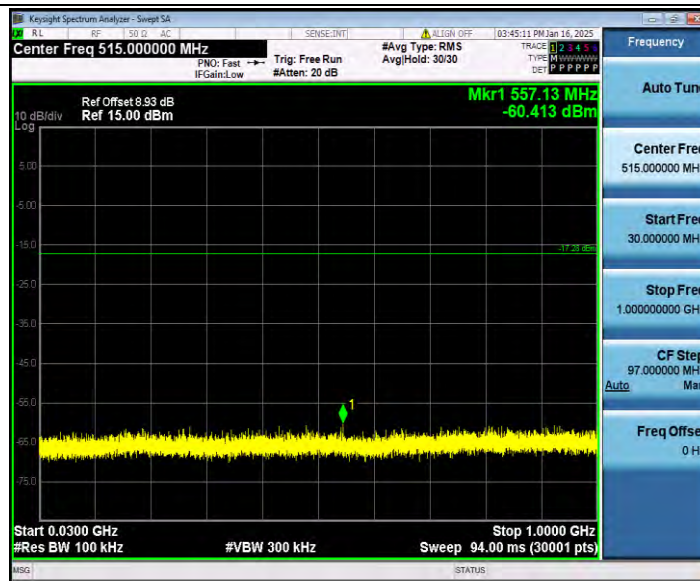
## 11N40SISO\_Ant1\_2452\_1000~26500



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



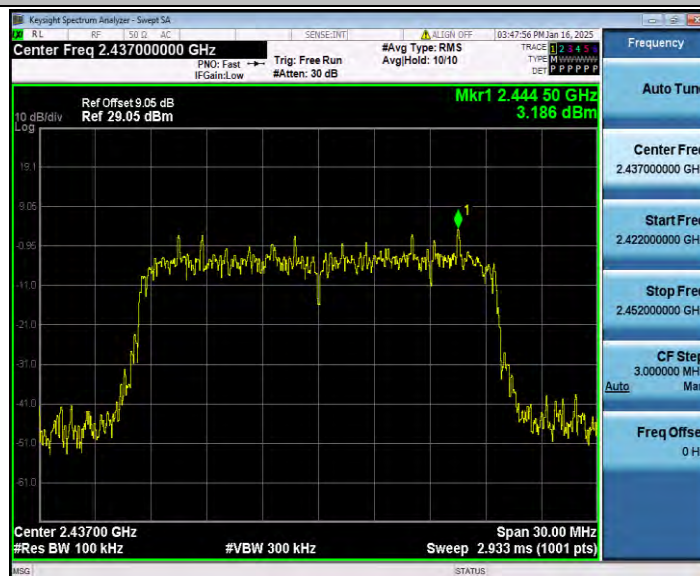
## 11AX20SISO\_Ant1\_2412\_30~1000

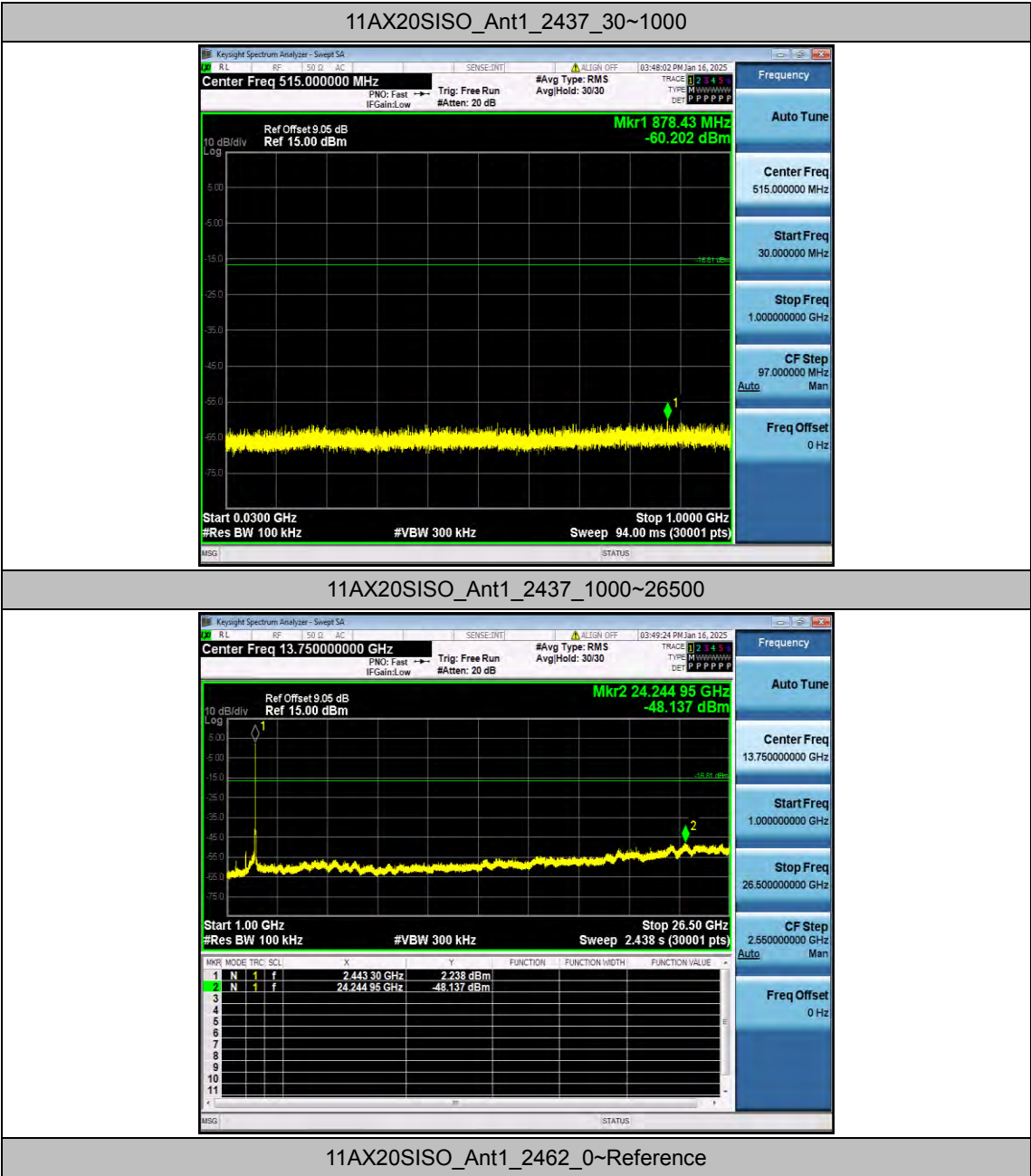


11AX20SISO\_Ant1\_2412\_1000~26500



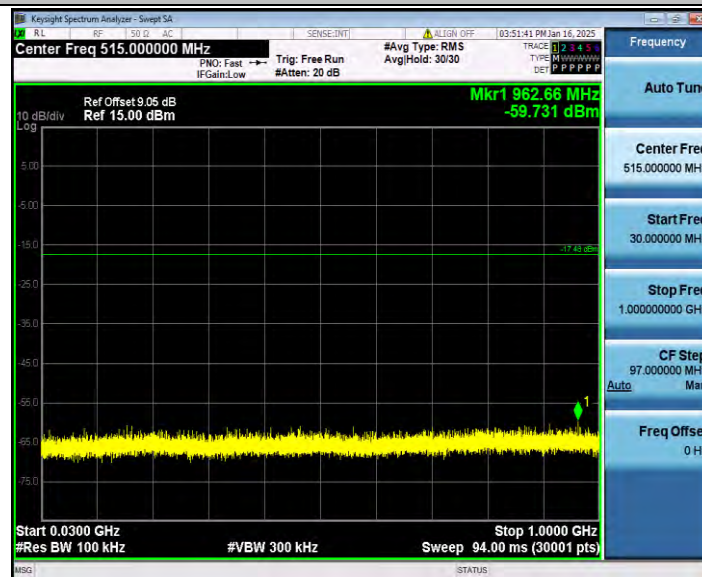
11AX20SISO\_Ant1\_2437\_0~Reference



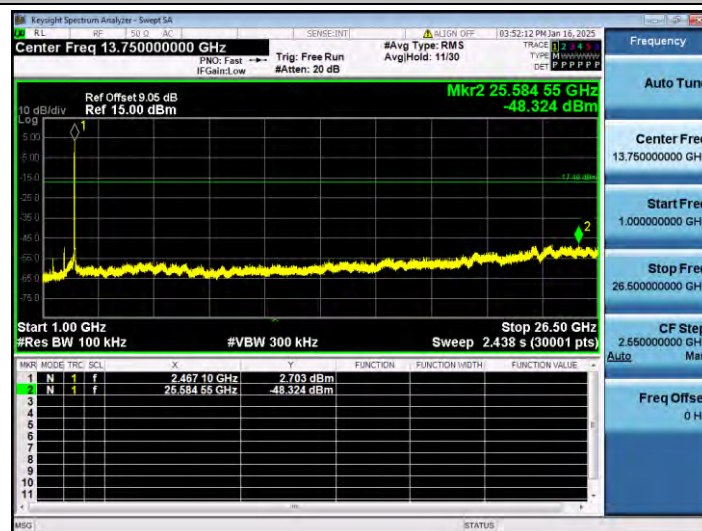




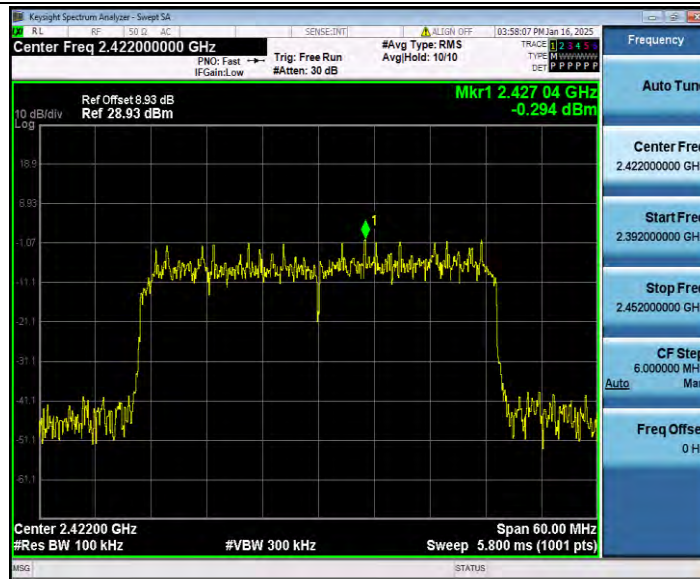
11AX20SISO\_Ant1\_2462\_30~1000



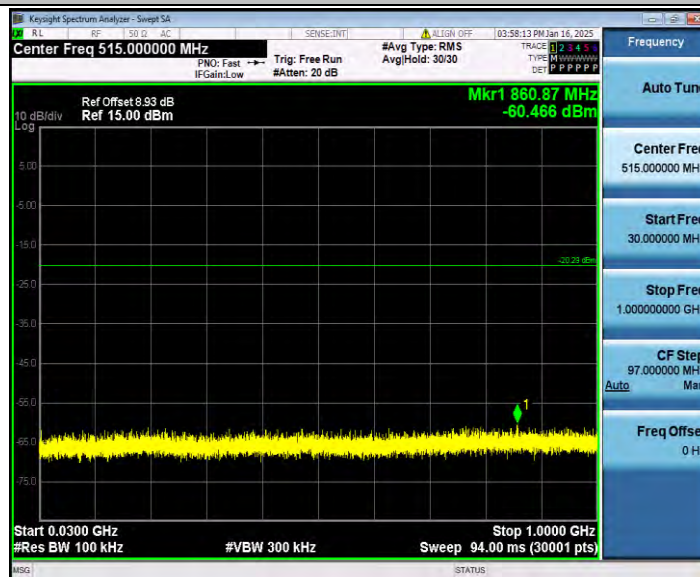
11AX20SISO\_Ant1\_2462\_1000~26500



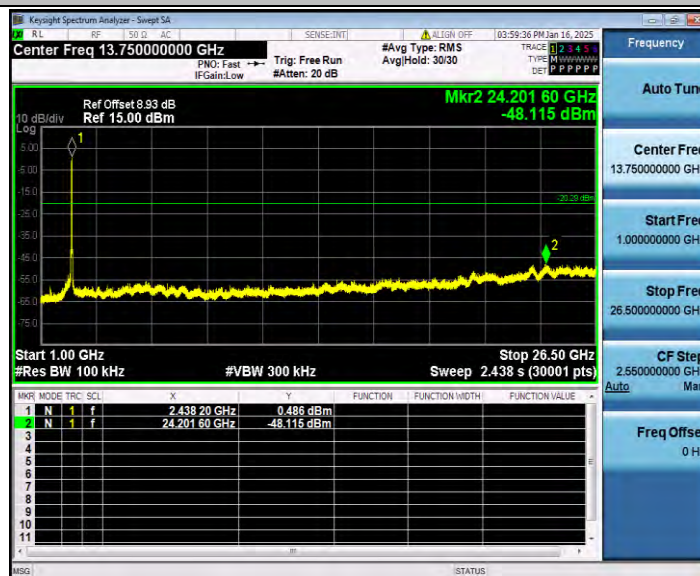
11AX40SISO\_Ant1\_2422\_0~Reference



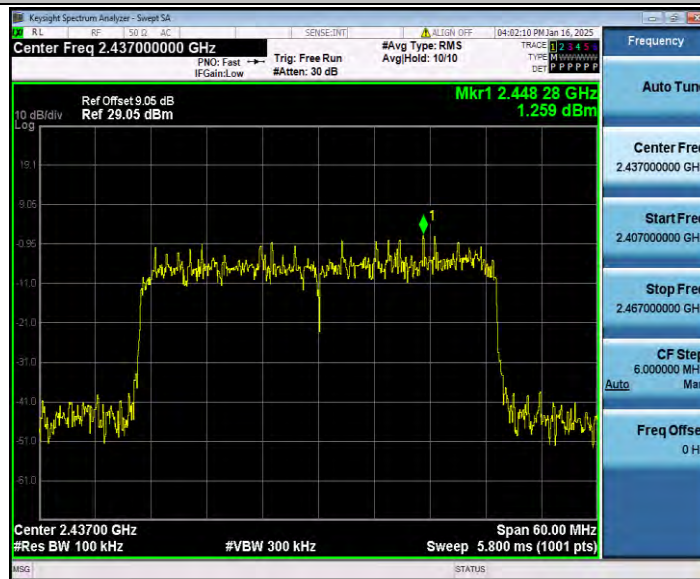
11AX40SISO\_Ant1\_2422\_30~1000



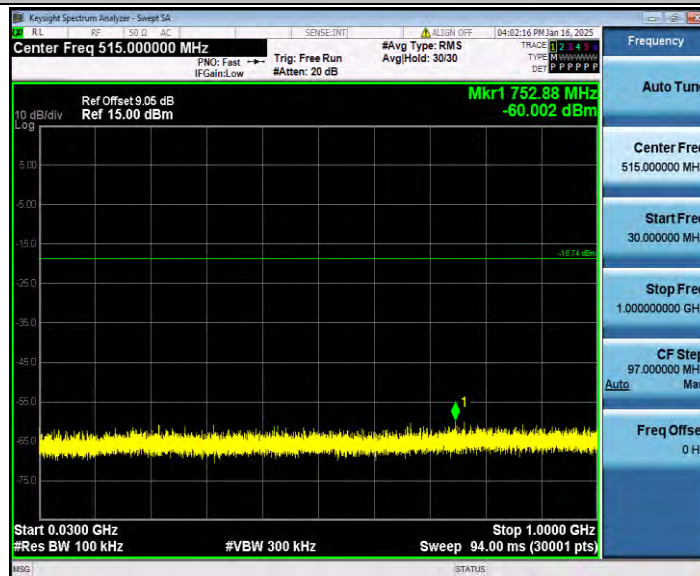
11AX40SISO\_Ant1\_2422\_1000~26500



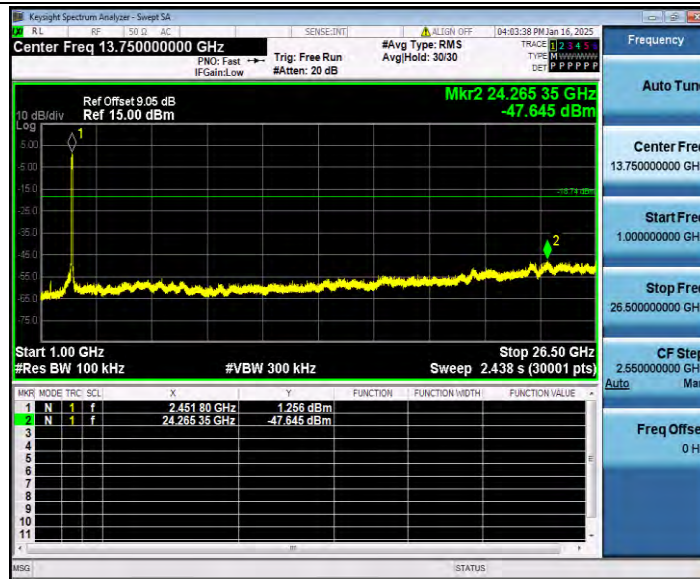
## 11AX40SISO\_Ant1\_2437\_0~Reference



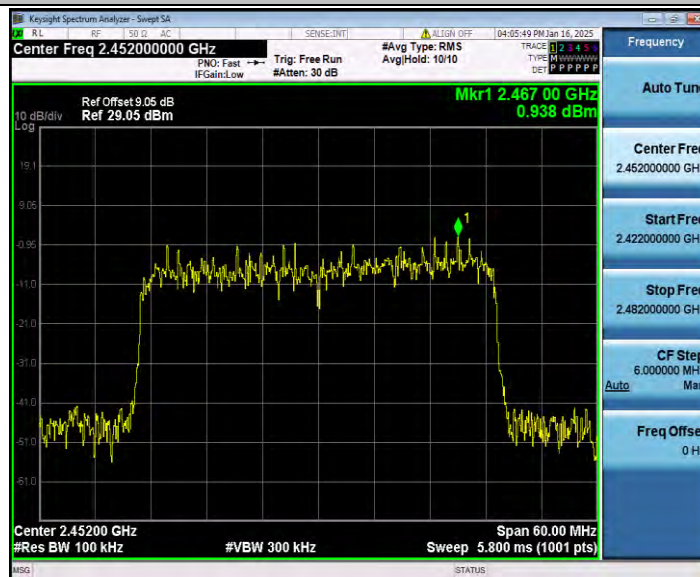
## 11AX40SISO\_Ant1\_2437\_30~1000



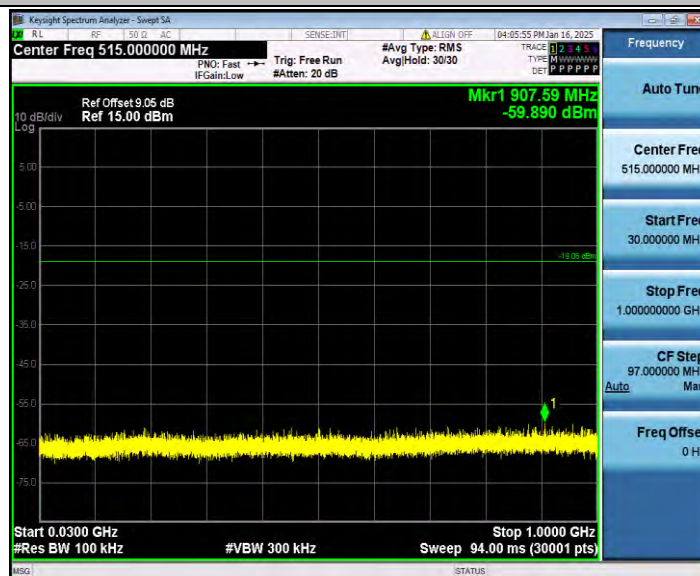
## 11AX40SISO\_Ant1\_2437\_1000~26500

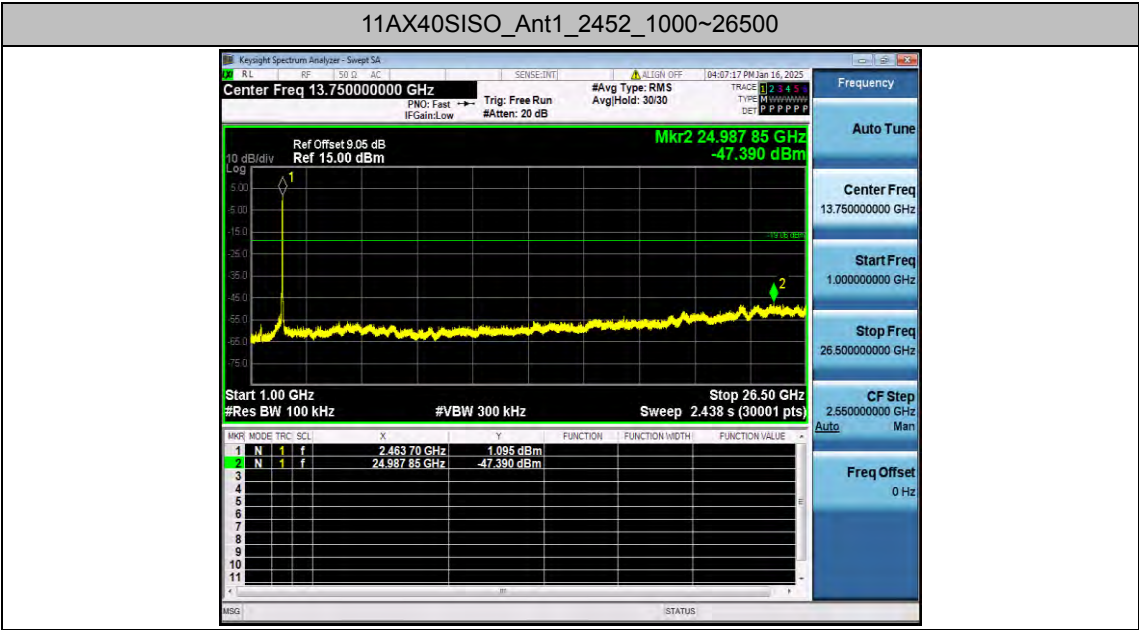


11AX40SISO\_Ant1\_2452\_0~Reference



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      | -49.63          | ≤-41.20        | 45.57              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2388.790      | -48.72          | ≤-41.20        | 46.48              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -48.88          | ≤-41.20        | 46.32              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -48.11          | ≤-21.20        | 47.09              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2317.940      | -40.51          | ≤-21.20        | 54.69              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -46.14          | ≤-21.20        | 49.06              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -48.87          | ≤-41.20        | 46.33              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2499.400      | -48.71          | ≤-41.20        | 46.49              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.73          | ≤-41.20        | 46.47              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -49.01          | ≤-21.20        | 46.19              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2497.750      | -40.42          | ≤-21.20        | 54.78              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -45.11          | ≤-21.20        | 50.09              | ≤74               | PASS    |
| 11G           | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.67          | ≤-41.20        | 45.53              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.830      | -48.17          | ≤-41.20        | 47.03              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -48.17          | ≤-41.20        | 47.03              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -45.57          | ≤-21.20        | 49.63              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2388.920      | -40.28          | ≤-21.20        | 54.92              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -41.69          | ≤-21.20        | 53.51              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -48.26          | ≤-41.20        | 46.94              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -48.27          | ≤-41.20        | 46.93              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.86          | ≤-41.20        | 46.34              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -41.45          | ≤-21.20        | 53.75              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2489.830      | -39.87          | ≤-21.20        | 55.33              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2500.000      | -48             | ≤-21.20        | 47.20              | ≤74               | PASS    |
| 11N20SIS<br>O | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.69          | ≤-41.20        | 45.51              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2389.960      | -43.03          | ≤-41.20        | 52.17              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2390.000      | -43.03          | ≤-41.20        | 52.17              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2310.000      | -46.01          | ≤-21.20        | 49.19              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2389.830      | -38.45          | ≤-21.20        | 56.75              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2390.000      | -47.16          | ≤-21.20        | 48.04              | ≤74               | PASS    |
|               |         | High   | 2462               | AV       | 2483.500      | -47.9           | ≤-41.20        | 47.30              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2483.560      | -47.92          | ≤-41.20        | 47.28              | ≤54               | PASS    |
|               |         |        |                    | AV       | 2500.000      | -48.87          | ≤-41.20        | 46.33              | ≤54               | PASS    |
|               |         |        |                    | Peak     | 2483.500      | -39.87          | ≤-21.20        | 55.33              | ≤74               | PASS    |
|               |         |        |                    | Peak     | 2497.860      | -41.18          | ≤-21.20        | 54.02              | ≤74               | PASS    |

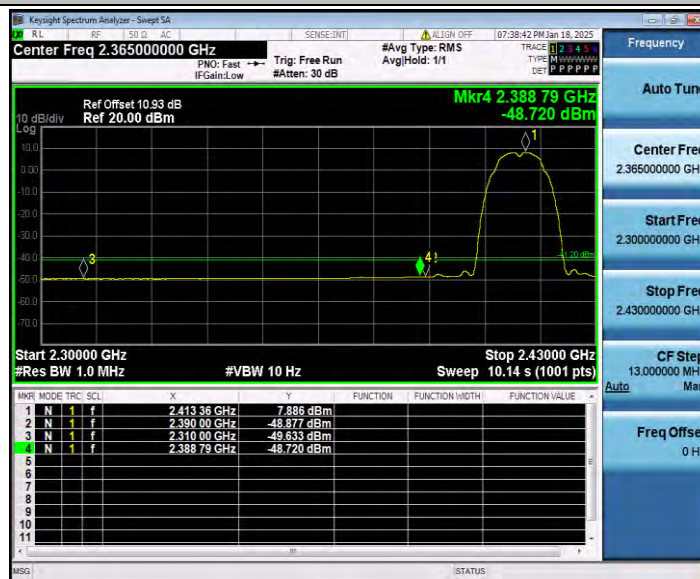
|            |      |      |      |      |          |        |         |       |     |      |
|------------|------|------|------|------|----------|--------|---------|-------|-----|------|
|            |      |      |      | Peak | 2500.000 | -42.45 | ≤-21.20 | 52.75 | ≤74 | PASS |
| 11N40SISO  | Ant1 | Low  | 2422 | AV   | 2310.000 | -49.63 | ≤-41.20 | 45.57 | ≤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 | -49.66 | ≤-21.20 | 45.54 | ≤74 | PASS |
|            |      |      |      | Peak | 2387.750 | -36.32 | ≤-21.20 | 58.88 | ≤74 | PASS |
|            |      |      |      | Peak | 2390.000 | -36.88 | ≤-21.20 | 58.32 | ≤74 | PASS |
|            |      | High | 2452 | AV   | 2483.500 | -41.98 | ≤-41.20 | 53.22 | ≤54 | PASS |
|            |      |      |      | AV   | 2483.560 | -41.99 | ≤-41.20 | 53.21 | ≤54 | PASS |
|            |      |      |      | AV   | 2500.000 | -47.7  | ≤-41.20 | 47.50 | ≤54 | PASS |
|            |      |      |      | Peak | 2483.500 | -41.56 | ≤-21.20 | 53.64 | ≤74 | PASS |
|            |      |      |      | Peak | 2486.090 | -32.08 | ≤-21.20 | 63.12 | ≤74 | PASS |
|            |      |      |      | Peak | 2500.000 | -45.23 | ≤-21.20 | 49.97 | ≤74 | PASS |
| 11AX20SISO | Ant1 | Low  | 2412 | AV   | 2310.000 | -49.63 | ≤-41.20 | 45.57 | ≤54 | PASS |
|            |      |      |      | AV   | 2389.960 | -48.01 | ≤-41.20 | 47.19 | ≤54 | PASS |
|            |      |      |      | AV   | 2390.000 | -48.01 | ≤-41.20 | 47.19 | ≤54 | PASS |
|            |      |      |      | Peak | 2310.000 | -46.25 | ≤-21.20 | 48.95 | ≤74 | PASS |
|            |      |      |      | Peak | 2381.120 | -40.83 | ≤-21.20 | 54.37 | ≤74 | PASS |
|            |      |      |      | Peak | 2390.000 | -45.44 | ≤-21.20 | 49.76 | ≤74 | PASS |
|            |      | High | 2462 | AV   | 2483.500 | -47.54 | ≤-41.20 | 47.66 | ≤54 | PASS |
|            |      |      |      | AV   | 2483.560 | -47.58 | ≤-41.20 | 47.62 | ≤54 | PASS |
|            |      |      |      | AV   | 2500.000 | -48.86 | ≤-41.20 | 46.34 | ≤54 | PASS |
|            |      |      |      | Peak | 2483.500 | -40.83 | ≤-21.20 | 54.37 | ≤74 | PASS |
|            |      |      |      | Peak | 2494.340 | -40.98 | ≤-21.20 | 54.22 | ≤74 | PASS |
|            |      |      |      | Peak | 2500.000 | -43.91 | ≤-21.20 | 51.29 | ≤74 | PASS |
| 11AX40SISO | Ant1 | Low  | 2422 | AV   | 2310.000 | -49.65 | ≤-41.20 | 45.55 | ≤54 | PASS |
|            |      |      |      | AV   | 2389.960 | -45.26 | ≤-41.20 | 49.94 | ≤54 | PASS |
|            |      |      |      | AV   | 2390.000 | -45.26 | ≤-41.20 | 49.94 | ≤54 | PASS |
|            |      |      |      | Peak | 2310.000 | -45.66 | ≤-21.20 | 49.54 | ≤74 | PASS |
|            |      |      |      | Peak | 2383.590 | -38.78 | ≤-21.20 | 56.42 | ≤74 | PASS |
|            |      |      |      | Peak | 2390.000 | -44.75 | ≤-21.20 | 50.45 | ≤74 | PASS |
|            |      | High | 2452 | AV   | 2483.500 | -47.35 | ≤-41.20 | 47.85 | ≤54 | PASS |
|            |      |      |      | AV   | 2483.560 | -47.37 | ≤-41.20 | 47.83 | ≤54 | PASS |
|            |      |      |      | AV   | 2500.000 | -48.7  | ≤-41.20 | 46.50 | ≤54 | PASS |
|            |      |      |      | Peak | 2483.500 | -43.82 | ≤-21.20 | 51.38 | ≤74 | PASS |
|            |      |      |      | Peak | 2490.380 | -40.5  | ≤-21.20 | 54.70 | ≤74 | PASS |
|            |      |      |      | Peak | 2500.000 | -46.05 | ≤-21.20 | 49.15 | ≤74 | PASS |

Note:

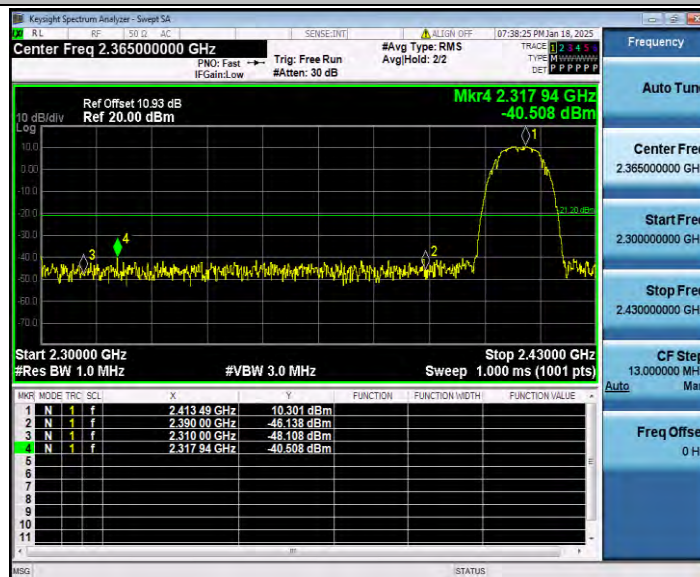
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

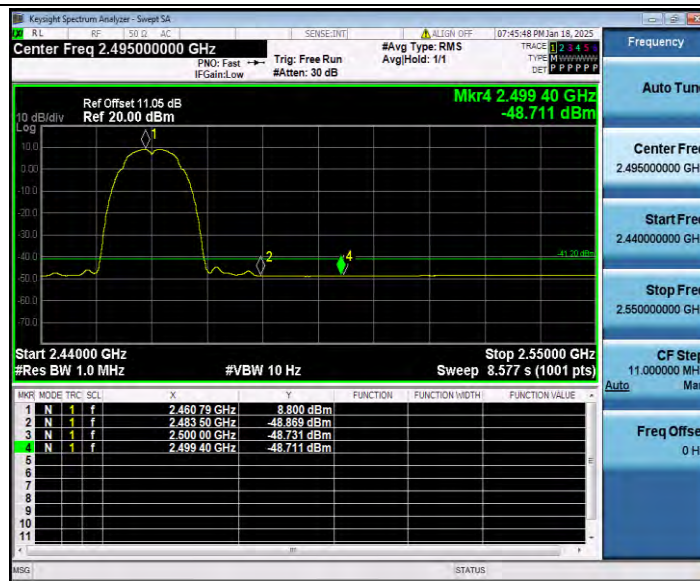
11B\_Ant1\_Low\_2412\_AV



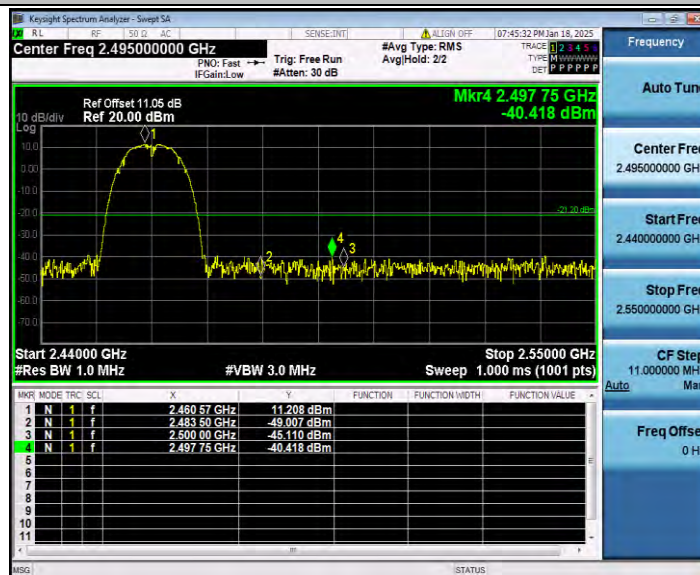
11B\_Ant1\_Low\_2412\_Peak



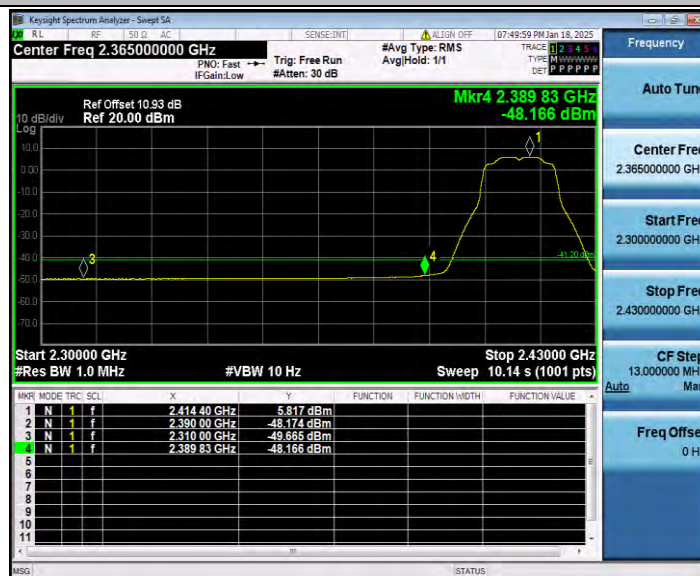
11B\_Ant1\_High\_2462\_AV



11B\_Ant1\_High\_2462\_Peak



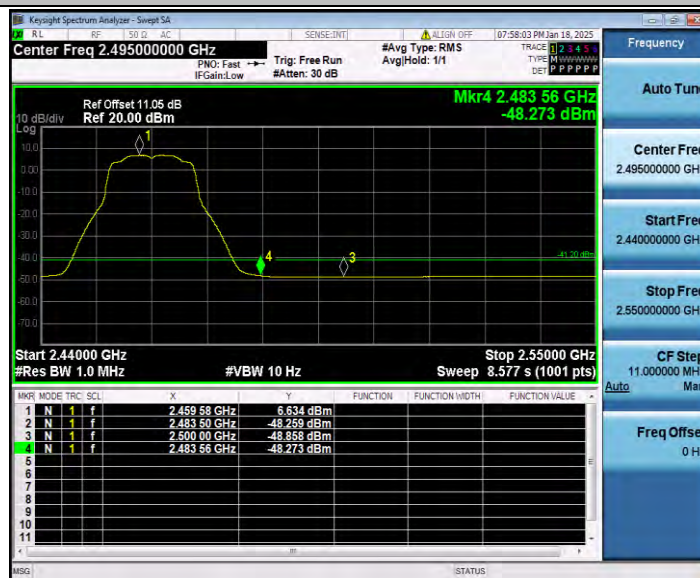
11G\_Ant1\_Low\_2412\_AV



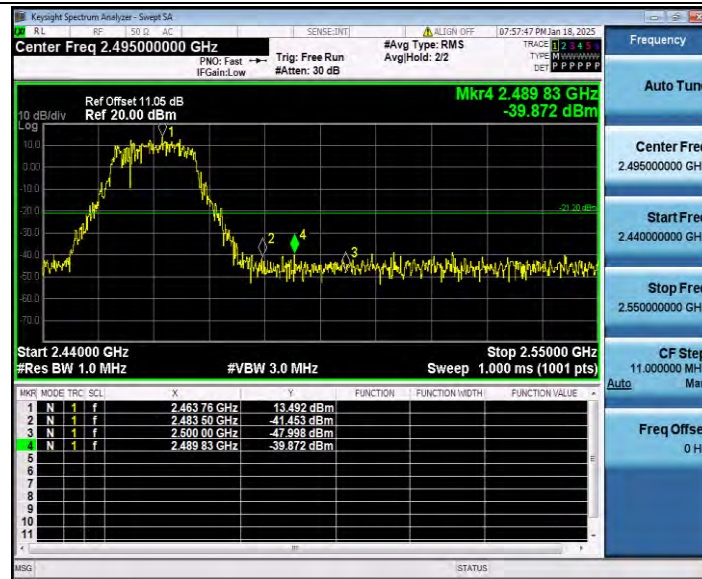
## 11G\_Ant1\_Low\_2412\_Peak



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



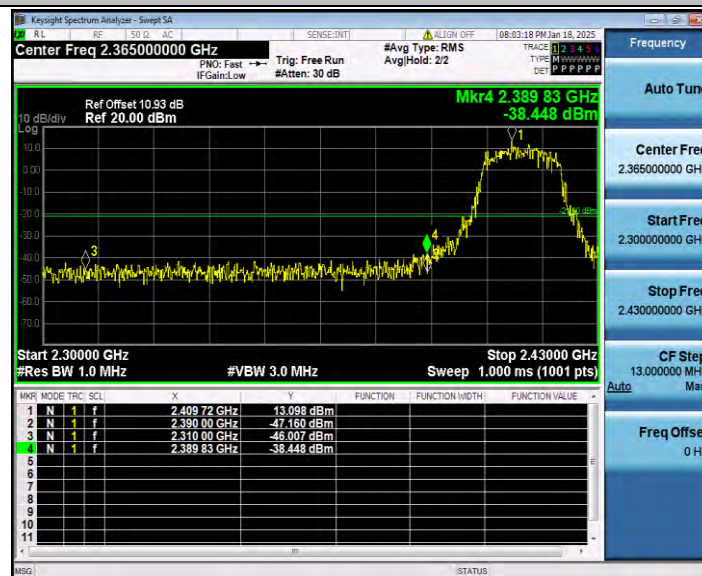
## 11G\_Ant1\_High\_2462\_Peak



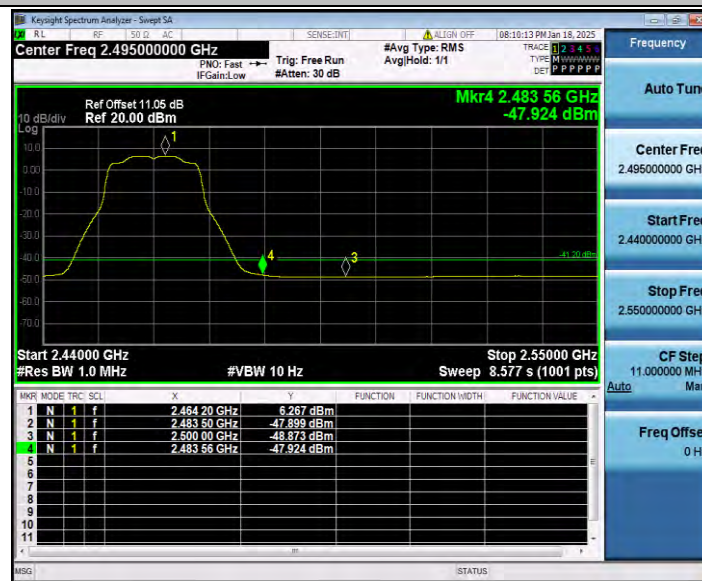
11N20SISO\_Ant1\_Low\_2412\_AV



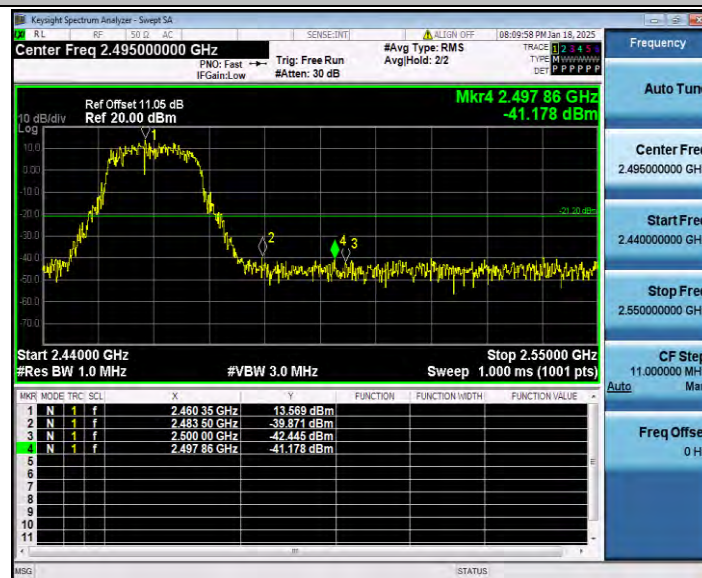
11N20SISO\_Ant1\_Low\_2412\_Peak



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



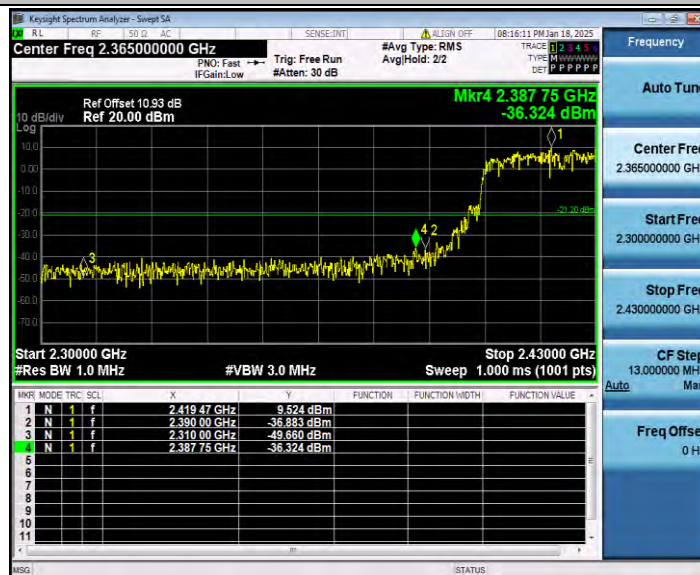
## 11N20SISO\_Ant1\_High\_2462\_Peak



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



11N40SISO\_Ant1\_Low\_2422\_Peak



11N40SISO\_Ant1\_High\_2452\_AV



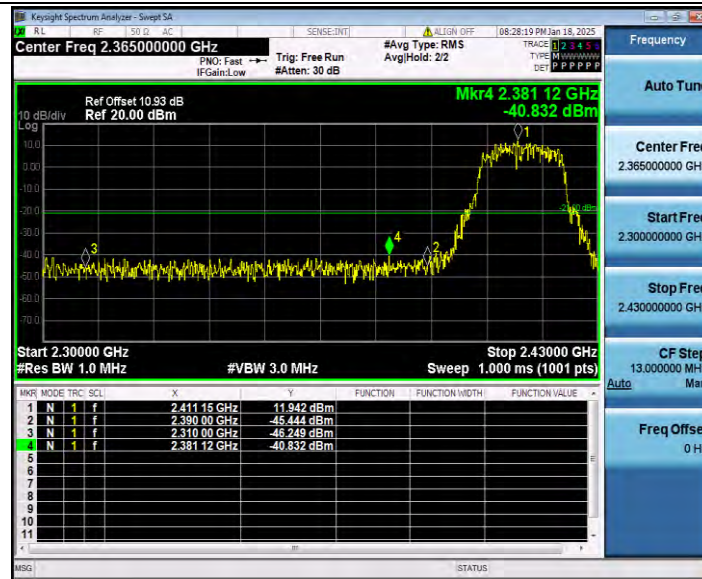
## 11N40SISO\_Ant1\_High\_2452\_Peak



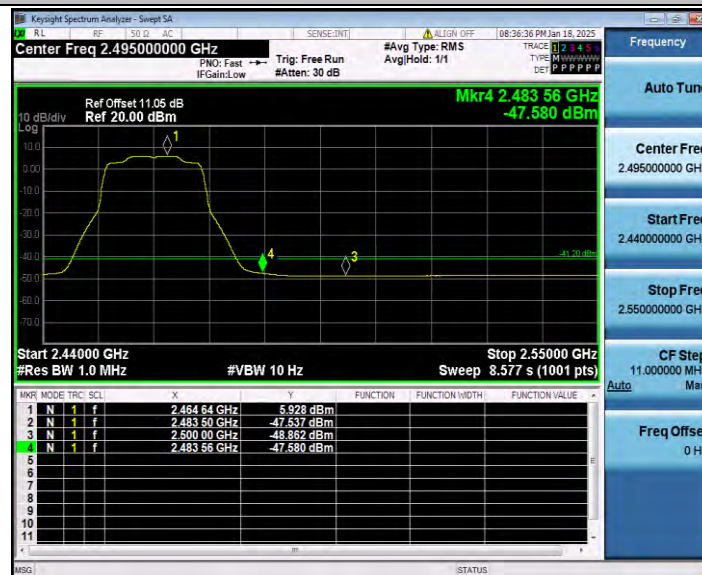
## 11AX20SISO\_Ant1\_Low\_2412\_AV



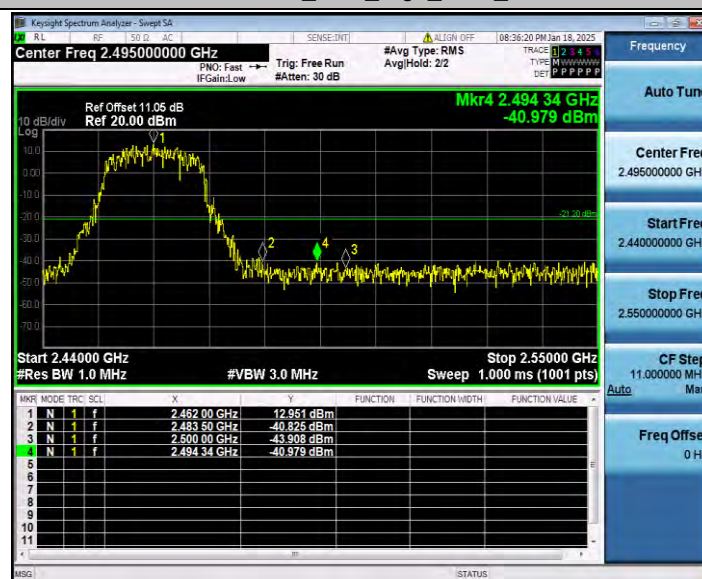
## 11AX20SISO\_Ant1\_Low\_2412\_Peak



11AX20SISO\_Ant1\_High\_2462\_AV



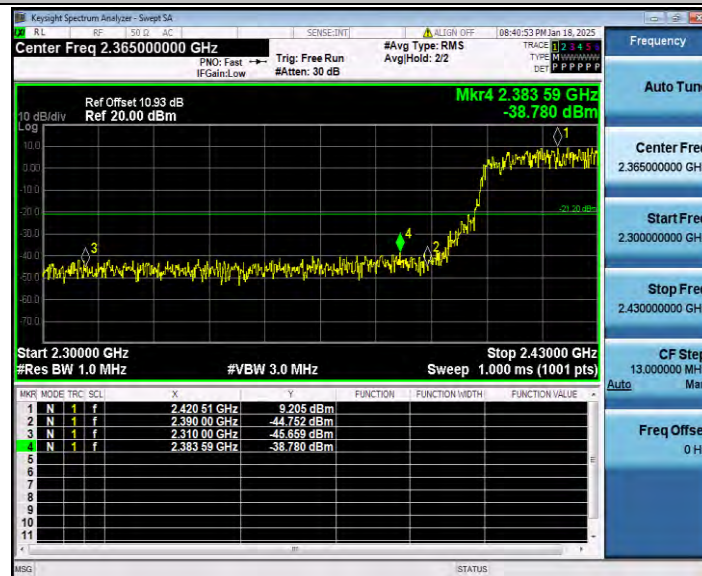
11AX20SISO\_Ant1\_High\_2462\_Peak



## 11AX40SISO\_Ant1\_Low\_2422\_AV



## 11AX40SISO\_Ant1\_Low\_2422\_Peak



## 11AX40SISO\_Ant1\_High\_2452\_AV



11AX40ISO\_Ant1\_High\_2452\_Peak

