

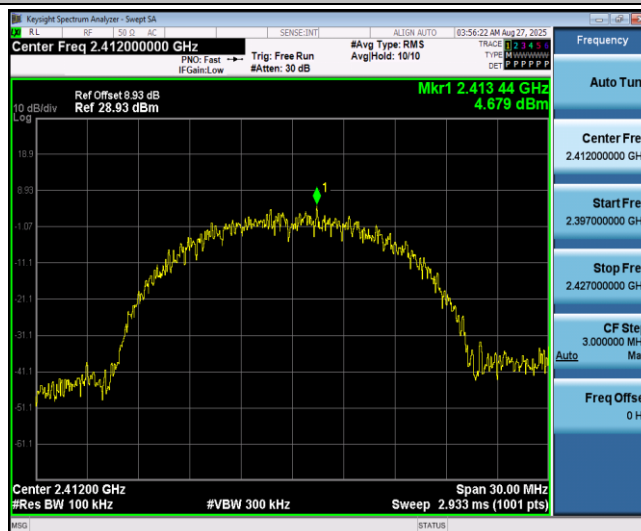
## Appendix B.6:Conducted Spurious Emission

### Test Result

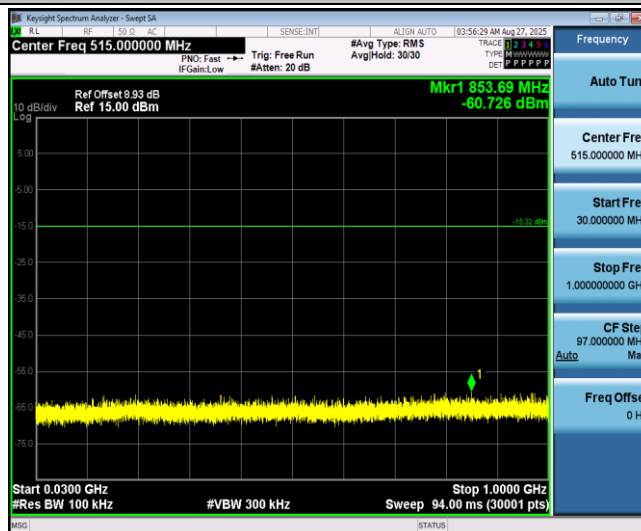
| TestMode   | Antenna | Frequency<br>[MHz] | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|------------|---------|--------------------|--------------------|-------------------|-----------------|----------------|---------|
| 11B        | Ant1    | 2412               | Reference          | 4.68              | 4.68            | ---            | PASS    |
|            |         |                    | 30~1000            | 4.68              | -60.73          | ≤-15.32        | PASS    |
|            |         |                    | 1000~26500         | 4.68              | -47.63          | ≤-15.32        | PASS    |
|            |         | 2437               | Reference          | 6.45              | 6.45            | ---            | PASS    |
|            |         |                    | 30~1000            | 6.45              | -60.92          | ≤-13.55        | PASS    |
|            |         |                    | 1000~26500         | 6.45              | -46.66          | ≤-13.55        | PASS    |
|            |         | 2462               | Reference          | 6.06              | 6.06            | ---            | PASS    |
|            |         |                    | 30~1000            | 6.06              | -60.75          | ≤-13.94        | PASS    |
|            |         |                    | 1000~26500         | 6.06              | -47.12          | ≤-13.94        | PASS    |
| 11G        | Ant1    | 2412               | Reference          | -0.11             | -0.11           | ---            | PASS    |
|            |         |                    | 30~1000            | -0.11             | -60.55          | ≤-20.11        | PASS    |
|            |         |                    | 1000~26500         | -0.11             | -47.38          | ≤-20.11        | PASS    |
|            |         | 2437               | Reference          | 0.23              | 0.23            | ---            | PASS    |
|            |         |                    | 30~1000            | 0.23              | -60.24          | ≤-19.77        | PASS    |
|            |         |                    | 1000~26500         | 0.23              | -47.29          | ≤-19.77        | PASS    |
|            |         | 2462               | Reference          | 1.25              | 1.25            | ---            | PASS    |
|            |         |                    | 30~1000            | 1.25              | -59.93          | ≤-18.75        | PASS    |
|            |         |                    | 1000~26500         | 1.25              | -47.84          | ≤-18.75        | PASS    |
| 11N20SISO  | Ant1    | 2412               | Reference          | -0.16             | -0.16           | ---            | PASS    |
|            |         |                    | 30~1000            | -0.16             | -60.58          | ≤-20.16        | PASS    |
|            |         |                    | 1000~26500         | -0.16             | -47.31          | ≤-20.16        | PASS    |
|            |         | 2437               | Reference          | 0.45              | 0.45            | ---            | PASS    |
|            |         |                    | 30~1000            | 0.45              | -60.81          | ≤-19.55        | PASS    |
|            |         |                    | 1000~26500         | 0.45              | -47.45          | ≤-19.55        | PASS    |
|            |         | 2462               | Reference          | 1.83              | 1.83            | ---            | PASS    |
|            |         |                    | 30~1000            | 1.83              | -60.69          | ≤-18.17        | PASS    |
|            |         |                    | 1000~26500         | 1.83              | -47.59          | ≤-18.17        | PASS    |
| 11AX20SISO | Ant1    | 2412               | Reference          | -2.52             | -2.52           | ---            | PASS    |
|            |         |                    | 30~1000            | -2.52             | -60.32          | ≤-22.52        | PASS    |
|            |         |                    | 1000~26500         | -2.52             | -47.11          | ≤-22.52        | PASS    |
|            |         | 2437               | Reference          | -1.90             | -1.90           | ---            | PASS    |
|            |         |                    | 30~1000            | -1.90             | -60.73          | ≤-21.9         | PASS    |
|            |         |                    | 1000~26500         | -1.90             | -46.74          | ≤-21.9         | PASS    |
|            |         | 2462               | Reference          | -1.11             | -1.11           | ---            | PASS    |
|            |         |                    | 30~1000            | -1.11             | -58.46          | ≤-21.11        | PASS    |
|            |         |                    | 1000~26500         | -1.11             | -47.69          | ≤-21.11        | PASS    |

## Test Graphs

11B\_Ant1\_2412\_0~Reference



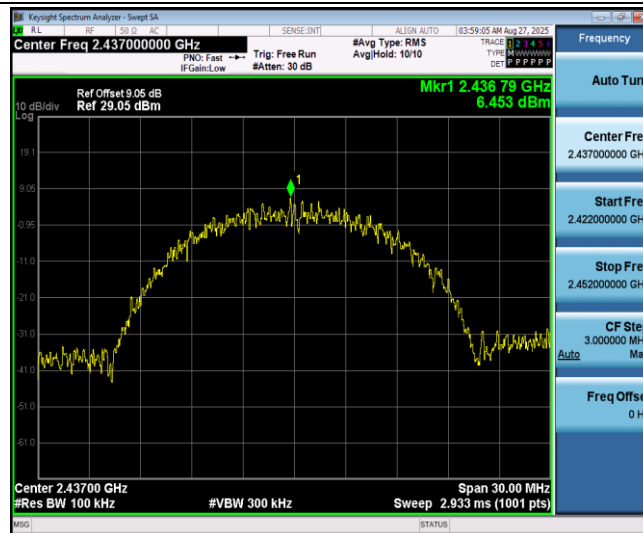
11B\_Ant1\_2412\_30~1000



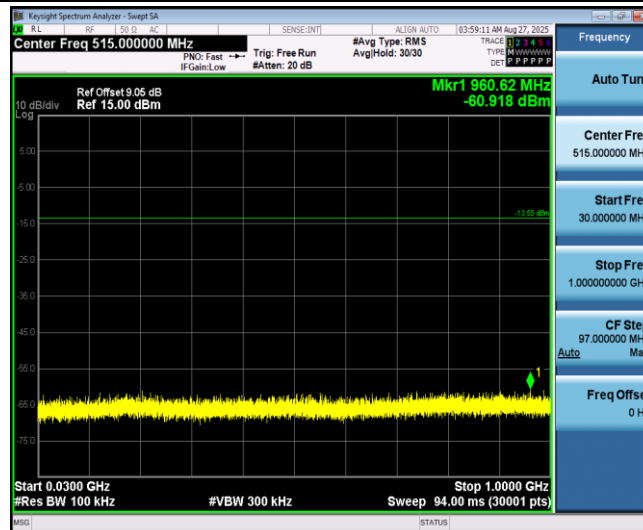
11B\_Ant1\_2412\_1000~26500



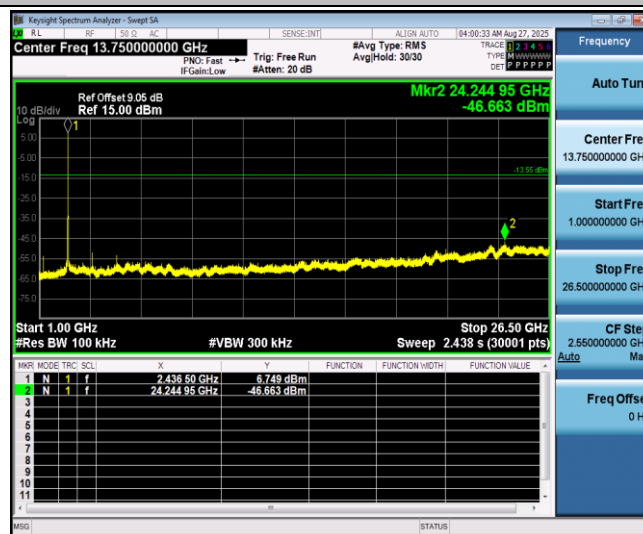
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



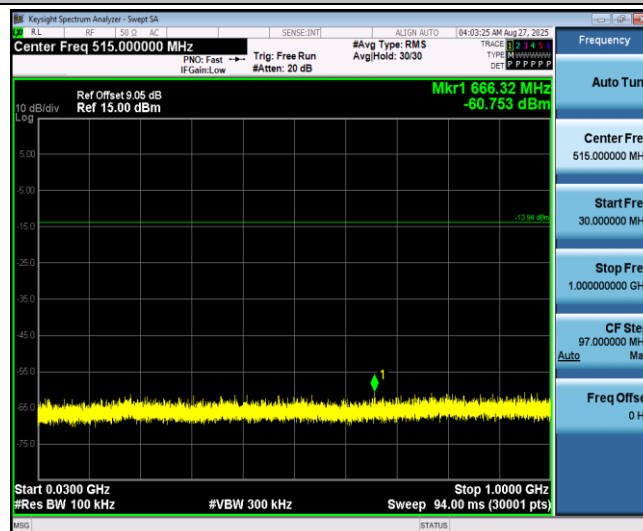
11B\_Ant1\_2437\_1000~26500



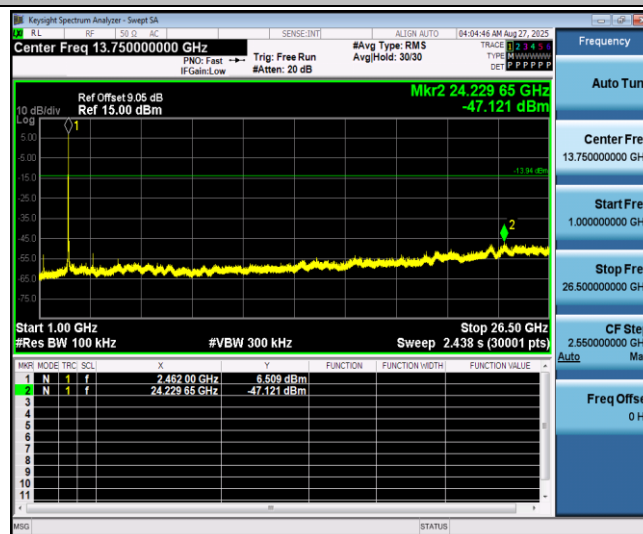
11B\_Ant1\_2462\_0~Reference



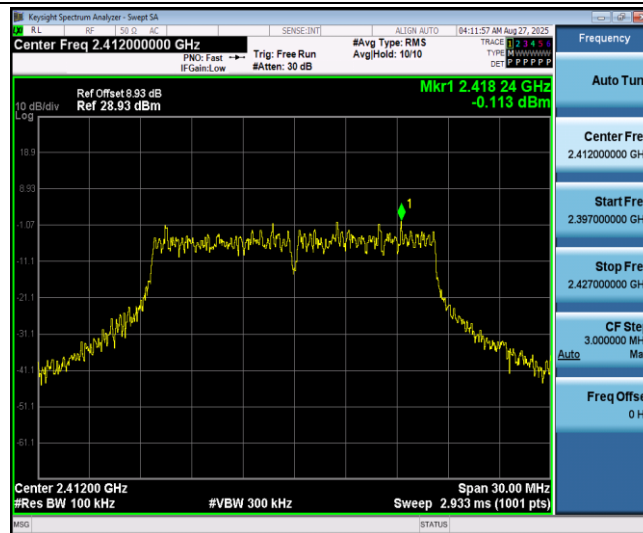
11B\_Ant1\_2462\_30~1000



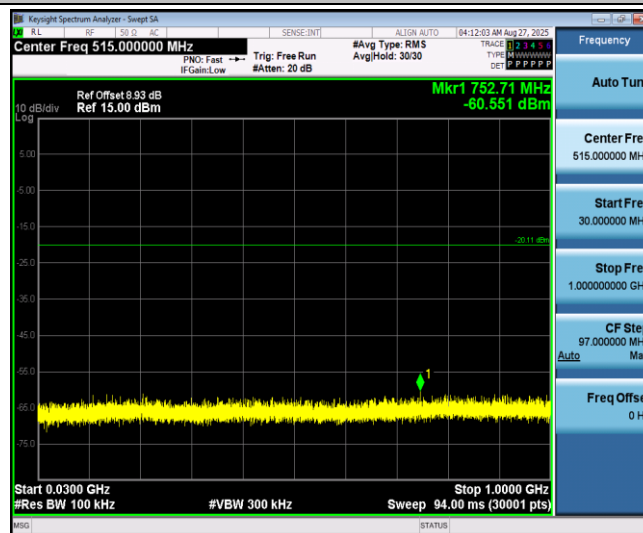
11B\_Ant1\_2462\_1000~26500



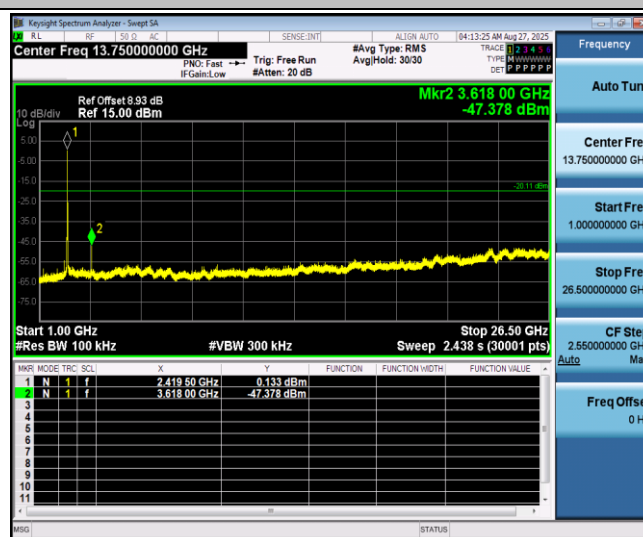
11G\_Ant1\_2412\_0~Reference



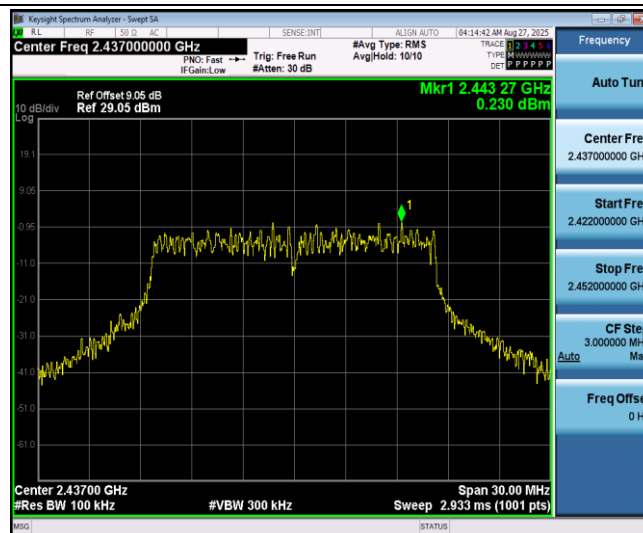
11G\_Ant1\_2412\_30~1000



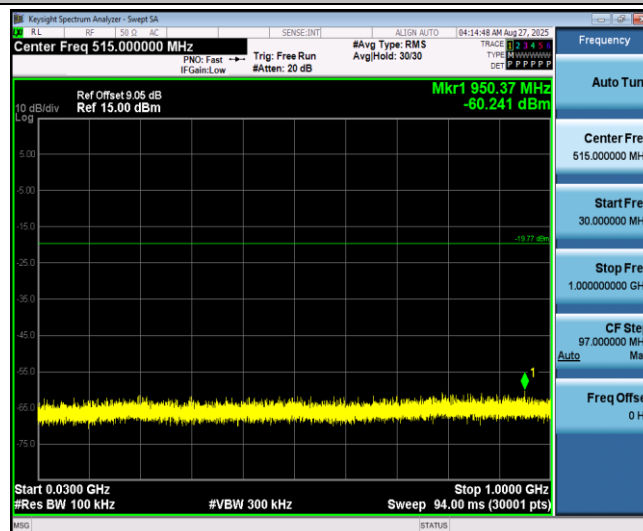
11G\_Ant1\_2412\_1000~26500



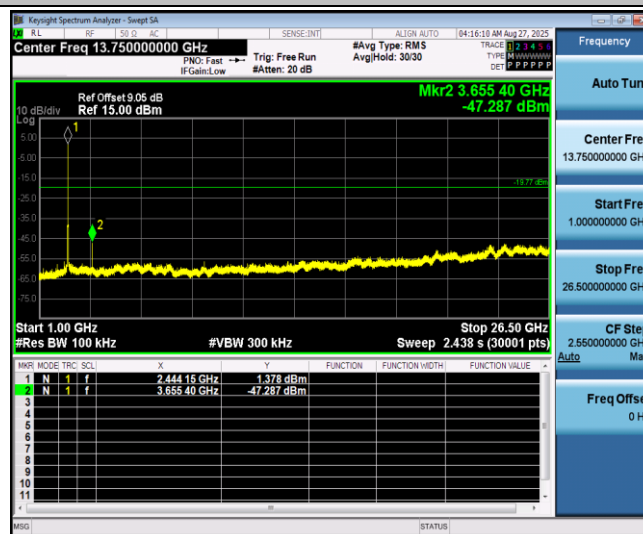
11G\_Ant1\_2437\_0~Reference



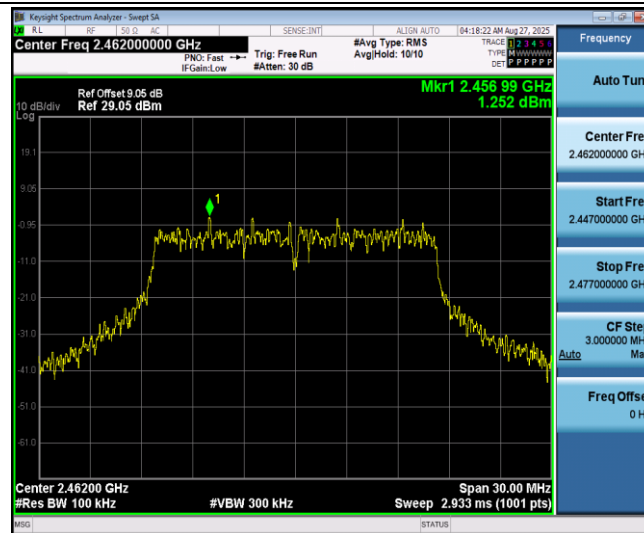
11G\_Ant1\_2437\_30~1000



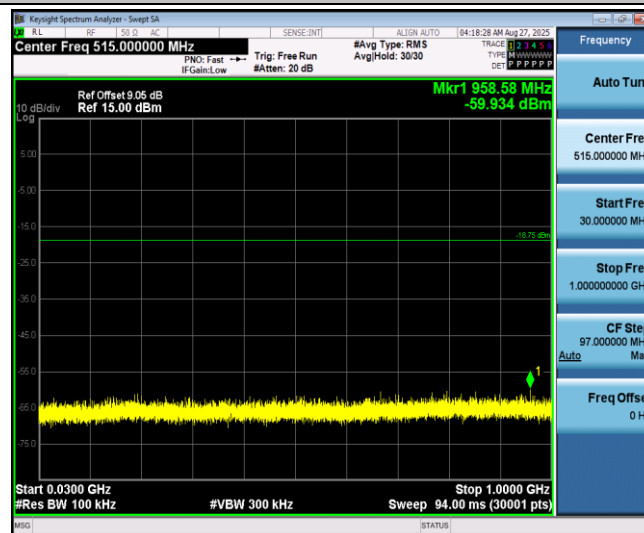
11G\_Ant1\_2437\_1000~26500



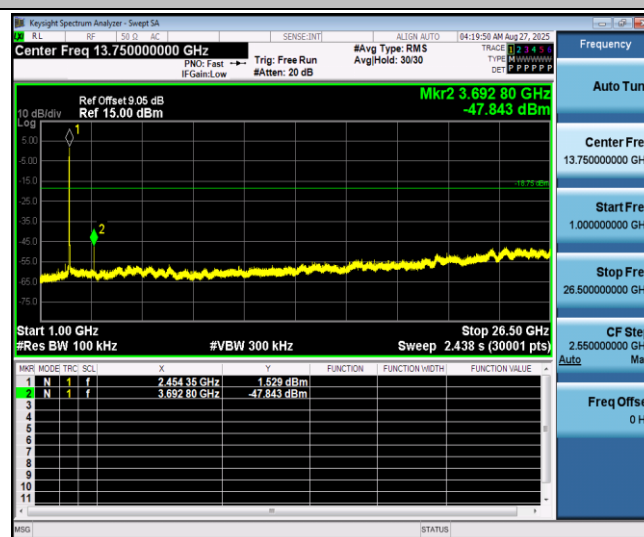
11G\_Ant1\_2462\_0~Reference



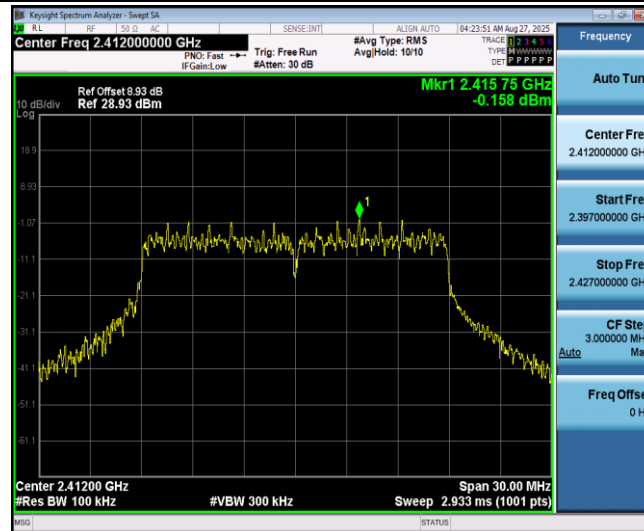
11G\_Ant1\_2462\_30~1000



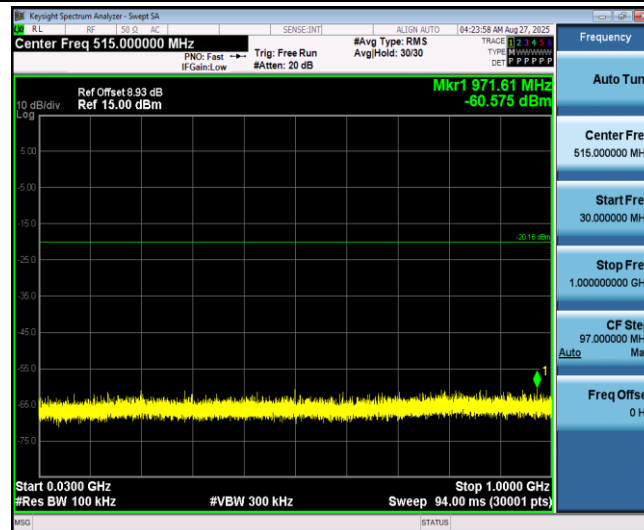
11G\_Ant1\_2462\_1000~26500



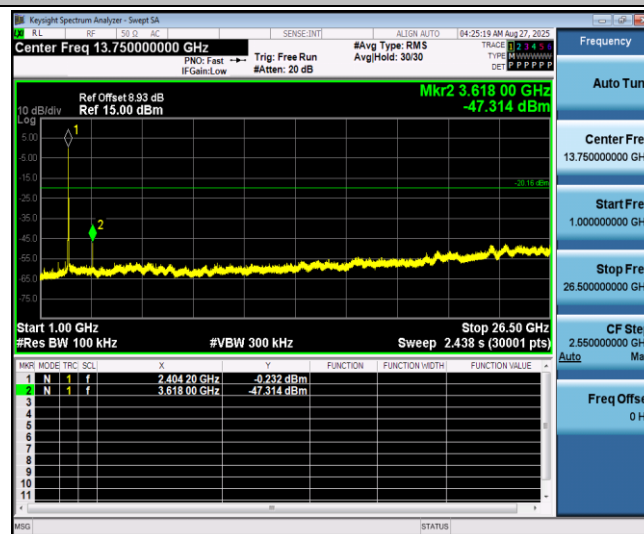
11N20SISO\_Ant1\_2412\_0~Reference



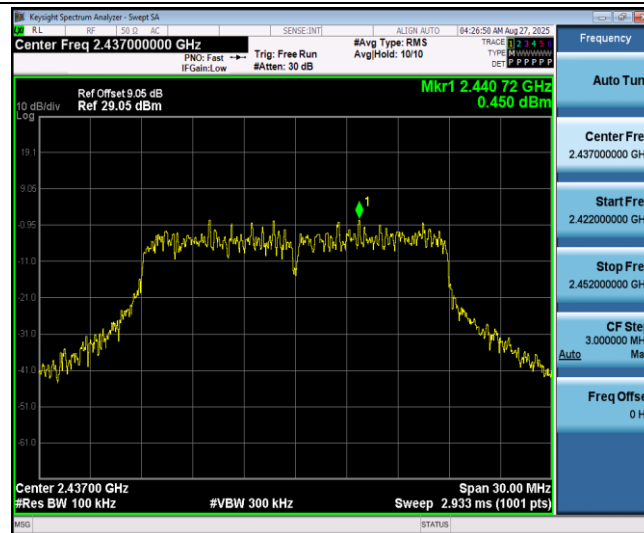
11N20SISO\_Ant1\_2412\_30~1000



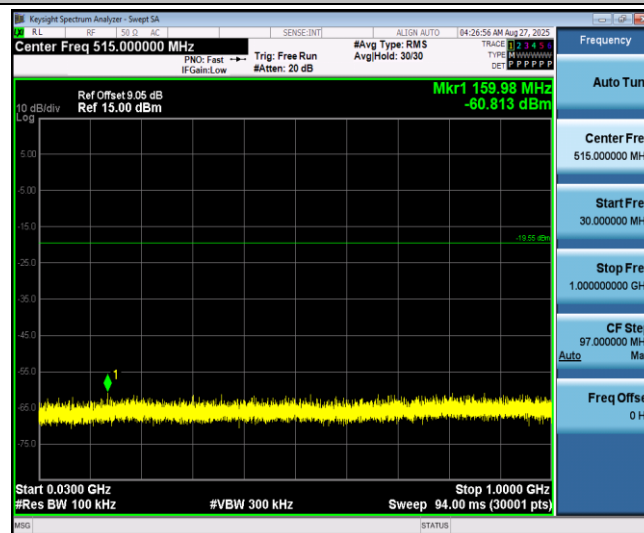
11N20SISO\_Ant1\_2412\_1000~26500



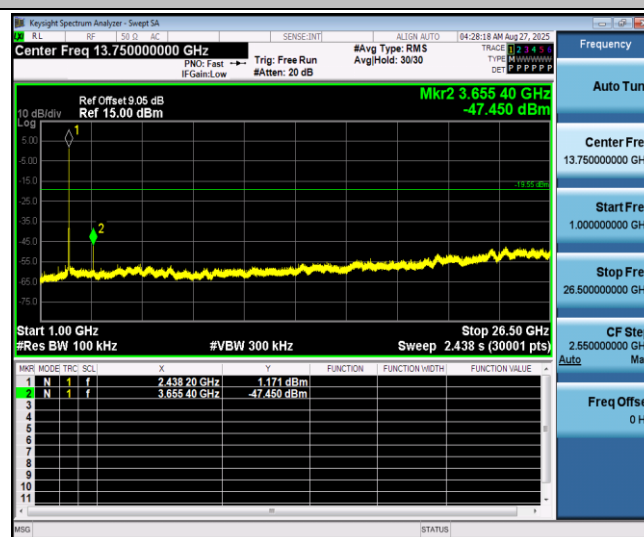
11N20SISO\_Ant1\_2437\_0~Reference



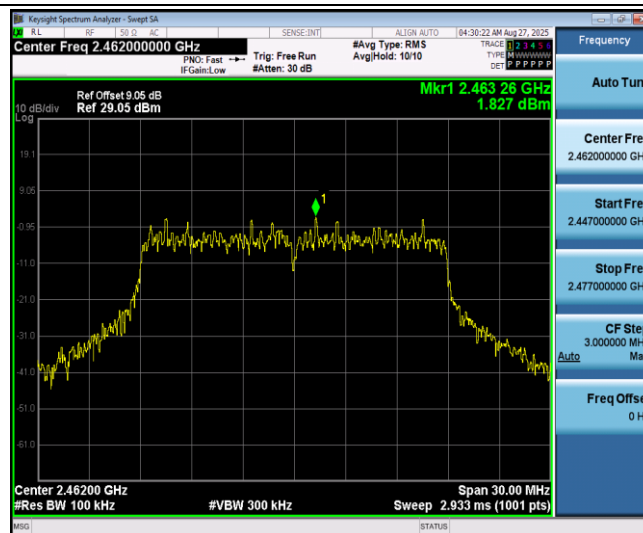
11N20SISO\_Ant1\_2437\_30~1000



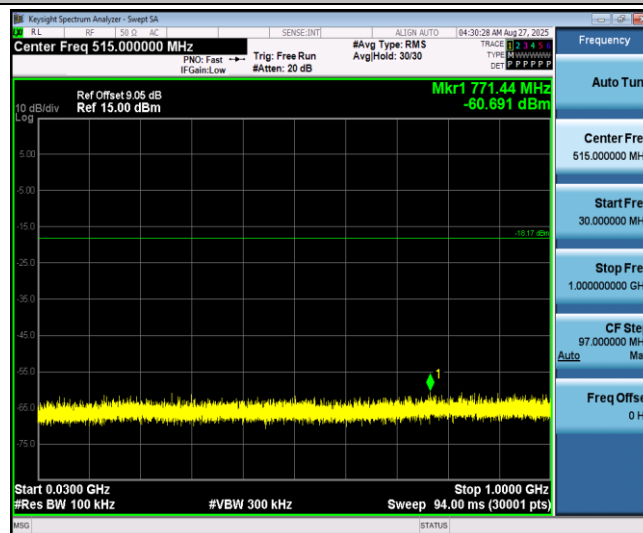
11N20SISO\_Ant1\_2437\_1000~26500



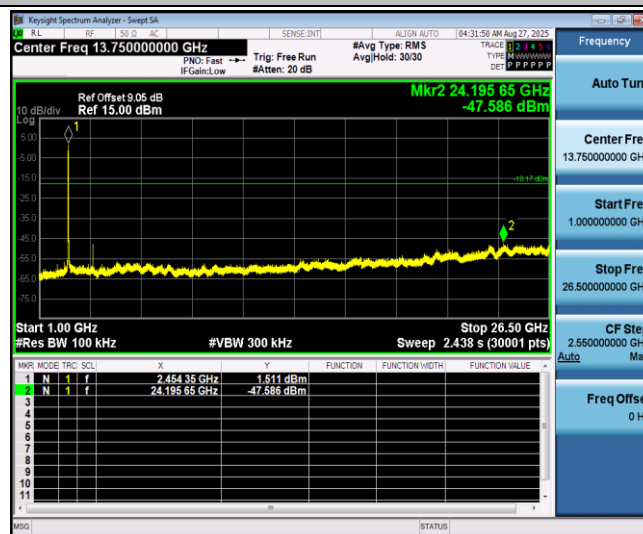
11N20SISO\_Ant1\_2462\_0~Reference



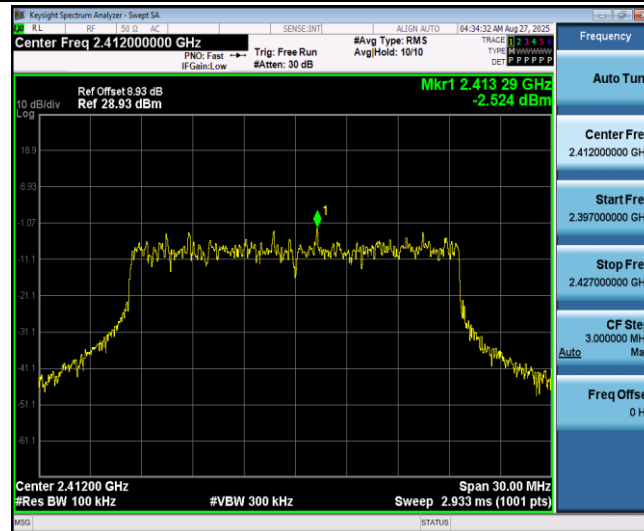
11N20SISO\_Ant1\_2462\_30~1000



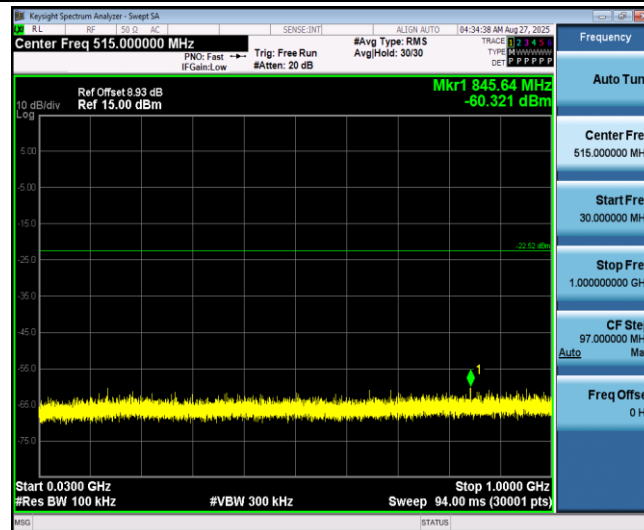
11N20SISO\_Ant1\_2462\_1000~26500



11AX20SISO\_Ant1\_2412\_0~Reference



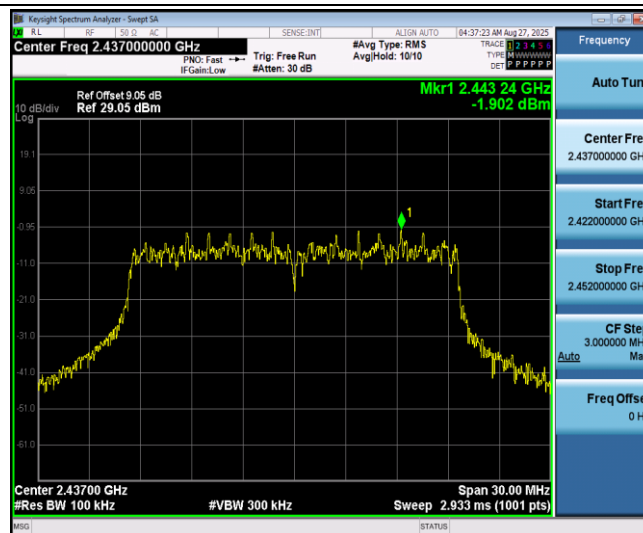
11AX20SISO\_Ant1\_2412\_30~1000



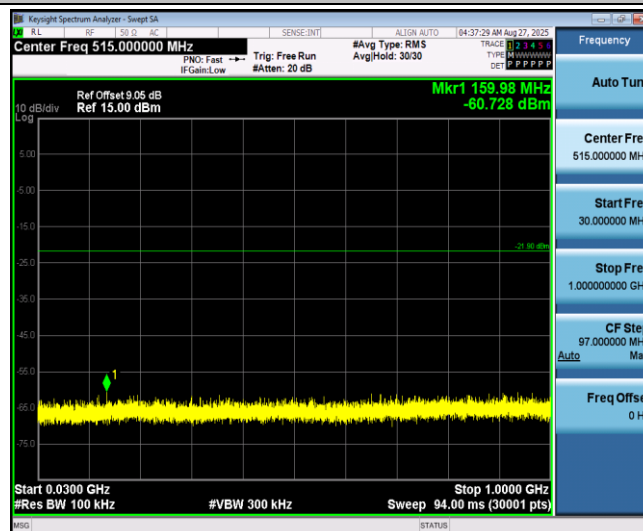
11AX20SISO\_Ant1\_2412\_1000~26500



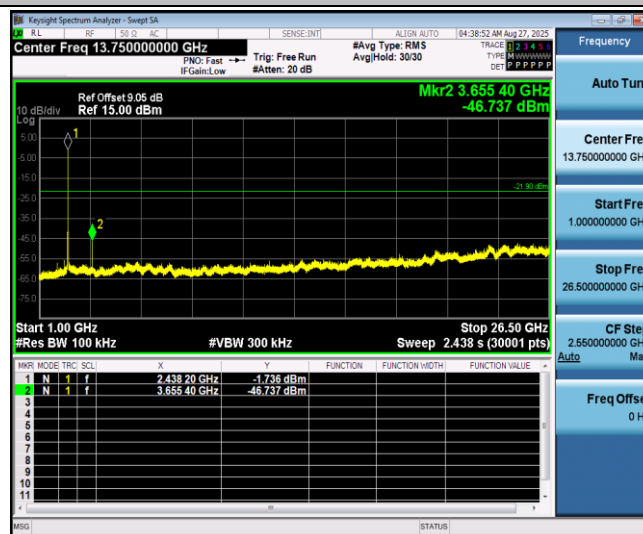
11AX20SISO\_Ant1\_2437\_0~Reference



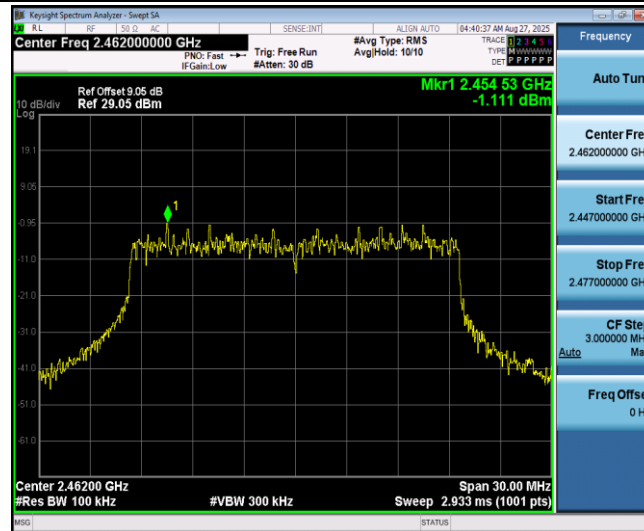
11AX20SISO\_Ant1\_2437\_30~1000



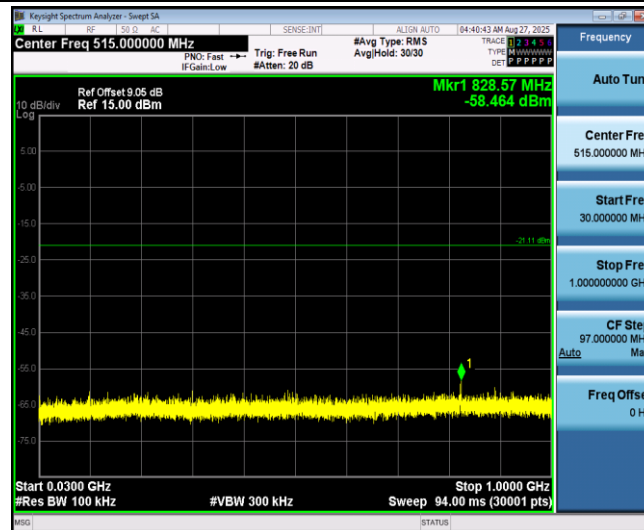
11AX20SISO\_Ant1\_2437\_1000~26500



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      | -49.64          | ≤-41.20        | 45.56              | ≤54               | PASS    |
|          |         |        |                    | AV       | 2386.970      | -42.04          | ≤-41.20        | 53.16              | ≤54               | PASS    |
|          |         |        |                    | AV       | 2390.000      | -43.68          | ≤-41.20        | 51.52              | ≤54               | PASS    |
|          |         |        |                    | Peak     | 2310.000      | -44.6           | ≤-21.20        | 50.60              | ≤74               | PASS    |
|          |         |        |                    | Peak     | 2386.320      | -34.43          | ≤-21.20        | 60.77              | ≤74               | PASS    |
|          |         |        |                    | Peak     | 2390.000      | -38.24          | ≤-21.20        | 56.96              | ≤74               | PASS    |
|          |         | High   | 2462               | AV       | 2483.500      | -44.64          | ≤-41.20        | 50.56              | ≤54               | PASS    |
|          |         |        |                    | AV       | 2487.850      | -43.81          | ≤-41.20        | 51.39              | ≤54               | PASS    |
|          |         |        |                    | AV       | 2500.000      | -48.01          | ≤-41.20        | 47.19              | ≤54               | PASS    |
|          |         |        |                    | Peak     | 2483.500      | -38.81          | ≤-21.20        | 56.39              | ≤74               | PASS    |
|          |         |        |                    | Peak     | 2487.300      | -38.22          | ≤-21.20        | 56.98              | ≤74               | PASS    |
|          |         |        |                    | Peak     | 2500.000      | -44.52          | ≤-21.20        | 50.68              | ≤74               | PASS    |
| 11G      | Ant1    | Low    | 2412               | AV       | 2310.000      | -49.71          | ≤-41.20        | 45.49              | ≤54               | PASS    |
|          |         |        |                    | AV       | 2389.960      | -43.54          | ≤-41.20        | 51.66              | ≤54               | PASS    |
|          |         |        |                    | AV       | 2390.000      | -43.54          | ≤-41.20        | 51.66              | ≤54               | PASS    |
|          |         |        |                    | Peak     | 2310.000      | -45.06          | ≤-21.20        | 50.14              | ≤74               | PASS    |
|          |         |        |                    | Peak     | 2385.930      | -33.61          | ≤-21.20        | 61.59              | ≤74               | PASS    |
|          |         |        |                    | Peak     | 2390.000      | -42.65          | ≤-21.20        | 52.55              | ≤74               | PASS    |
|          |         | High   | 2462               | AV       | 2483.500      | -45.89          | ≤-41.20        | 49.31              | ≤54               | PASS    |
|          |         |        |                    | AV       | 2483.560      | -45.99          | ≤-41.20        | 49.21              | ≤54               | PASS    |
|          |         |        |                    | AV       | 2500.000      | -48.75          | ≤-41.20        | 46.45              | ≤54               | PASS    |
|          |         |        |                    | Peak     | 2483.500      | -39.51          | ≤-21.20        | 55.69              | ≤74               | PASS    |
|          |         |        |                    | Peak     | 2484.220      | -35.5           | ≤-21.20        | 59.70              | ≤74               | PASS    |
|          |         |        |                    | Peak     | 2500.000      | -42.5           | ≤-21.20        | 52.70              | ≤74               | PASS    |

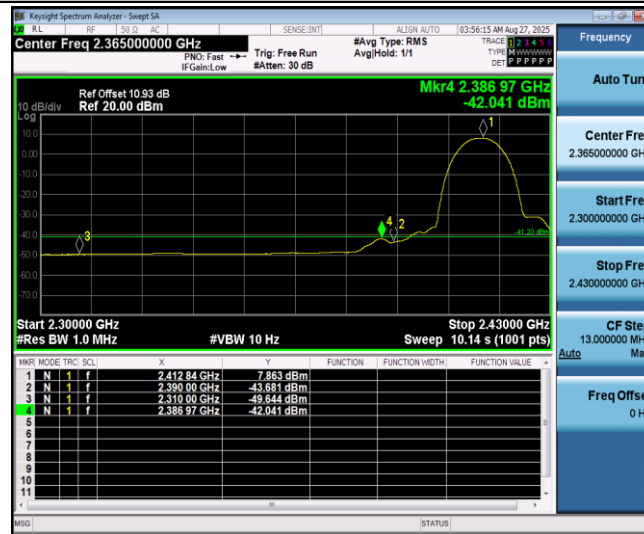
|            |      |      |      |      |          |        |               |       |           |      |
|------------|------|------|------|------|----------|--------|---------------|-------|-----------|------|
| 11N20SISO  | Ant1 | Low  | 2412 | AV   | 2310.000 | -49.71 | $\leq -41.20$ | 45.49 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2389.960 | -43.44 | $\leq -41.20$ | 51.76 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2390.000 | -43.44 | $\leq -41.20$ | 51.76 | $\leq 54$ | PASS |
|            |      |      |      | Peak | 2310.000 | -44.03 | $\leq -21.20$ | 51.17 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2388.660 | -32.64 | $\leq -21.20$ | 62.56 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2390.000 | -38.89 | $\leq -21.20$ | 56.31 | $\leq 74$ | PASS |
|            |      | High | 2462 | AV   | 2483.500 | -45.87 | $\leq -41.20$ | 49.33 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2483.560 | -45.9  | $\leq -41.20$ | 49.30 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2500.000 | -48.77 | $\leq -41.20$ | 46.43 | $\leq 54$ | PASS |
|            |      |      |      | Peak | 2483.500 | -36.91 | $\leq -21.20$ | 58.29 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2484.990 | -34.43 | $\leq -21.20$ | 60.77 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2500.000 | -42.97 | $\leq -21.20$ | 52.23 | $\leq 74$ | PASS |
| 11AX20SISO | Ant1 | Low  | 2412 | AV   | 2310.000 | -49.74 | $\leq -41.20$ | 45.46 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2389.960 | -47.66 | $\leq -41.20$ | 47.54 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2390.000 | -47.66 | $\leq -41.20$ | 47.54 | $\leq 54$ | PASS |
|            |      |      |      | Peak | 2310.000 | -44.22 | $\leq -21.20$ | 50.98 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2389.700 | -39.07 | $\leq -21.20$ | 56.13 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2390.000 | -42.23 | $\leq -21.20$ | 52.97 | $\leq 74$ | PASS |
|            |      | High | 2462 | AV   | 2483.500 | -44.43 | $\leq -41.20$ | 50.77 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2483.560 | -44.45 | $\leq -41.20$ | 50.75 | $\leq 54$ | PASS |
|            |      |      |      | AV   | 2500.000 | -48.46 | $\leq -41.20$ | 46.74 | $\leq 54$ | PASS |
|            |      |      |      | Peak | 2483.500 | -35.67 | $\leq -21.20$ | 59.53 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2485.210 | -35.2  | $\leq -21.20$ | 60.00 | $\leq 74$ | PASS |
|            |      |      |      | Peak | 2500.000 | -42.25 | $\leq -21.20$ | 52.95 | $\leq 74$ | PASS |

Note:

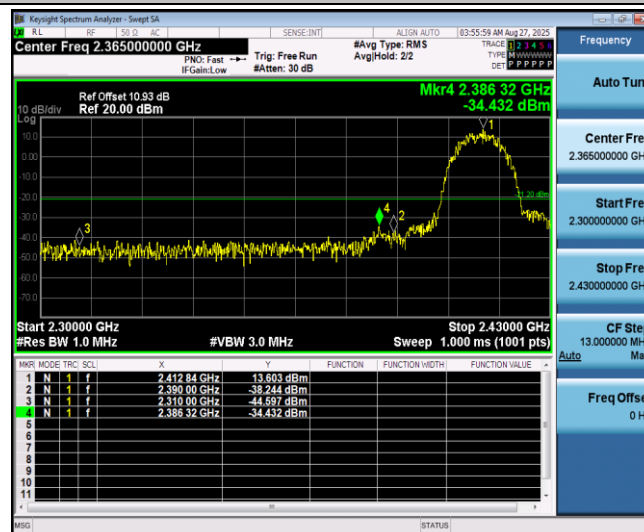
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

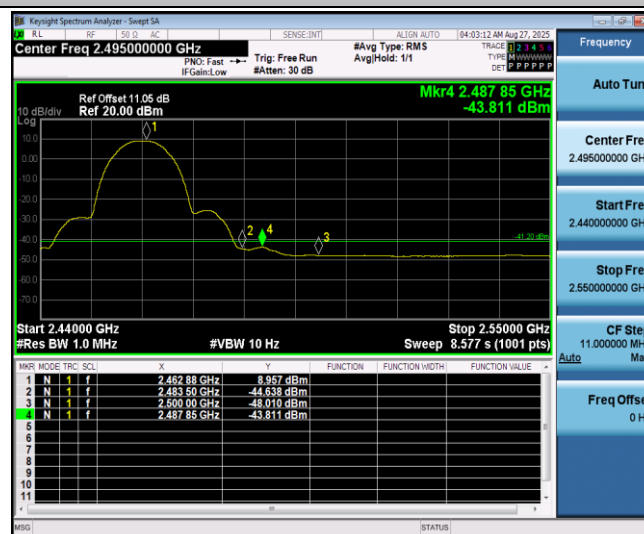
11B\_Ant1\_Low\_2412\_AV



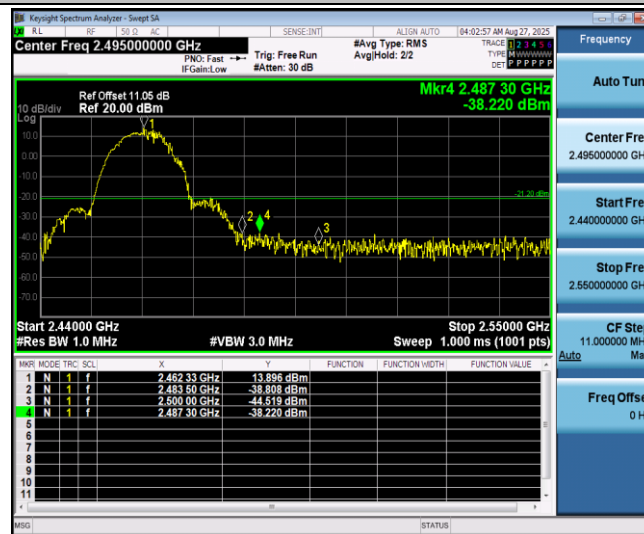
11B\_Ant1\_Low\_2412\_Peak



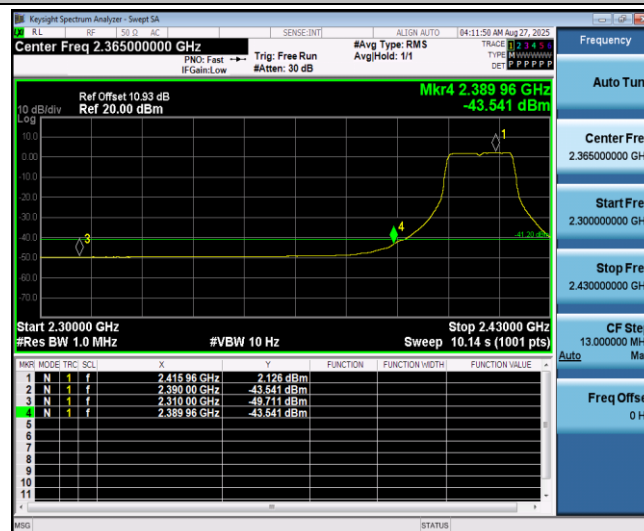
11B\_Ant1\_High\_2462\_AV



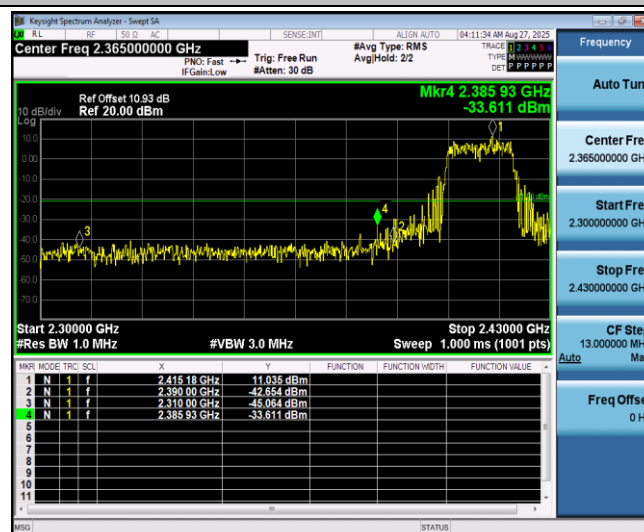
## 11B\_Ant1\_High\_2462\_Peak



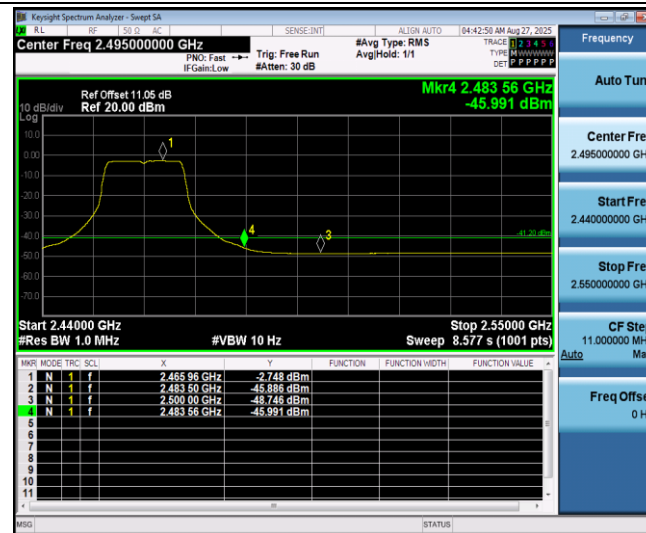
## 11G\_Ant1\_Low\_2412\_AV



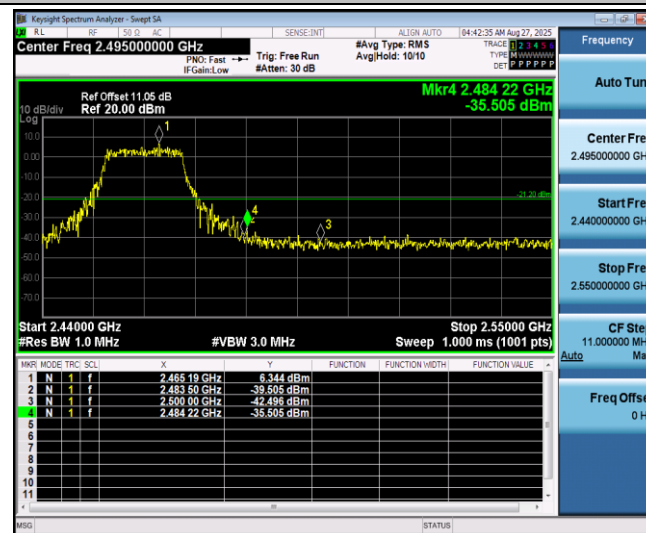
## 11G\_Ant1\_Low\_2412\_Peak



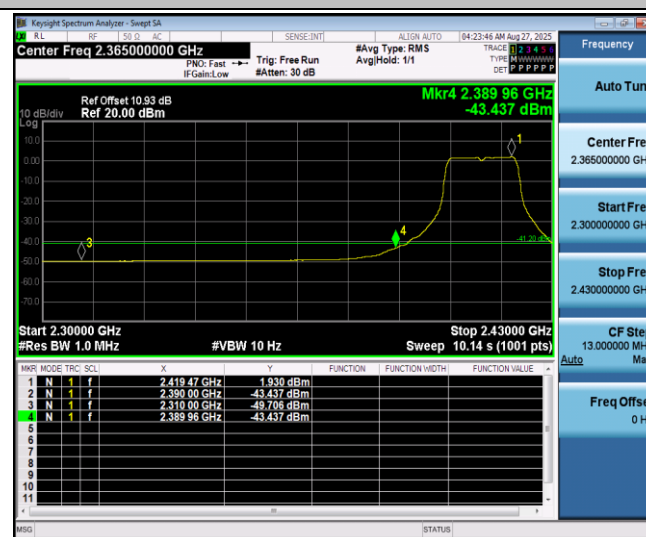
## 11G\_Ant1\_High\_2462\_AV



11G\_Ant1\_High\_2462\_Peak



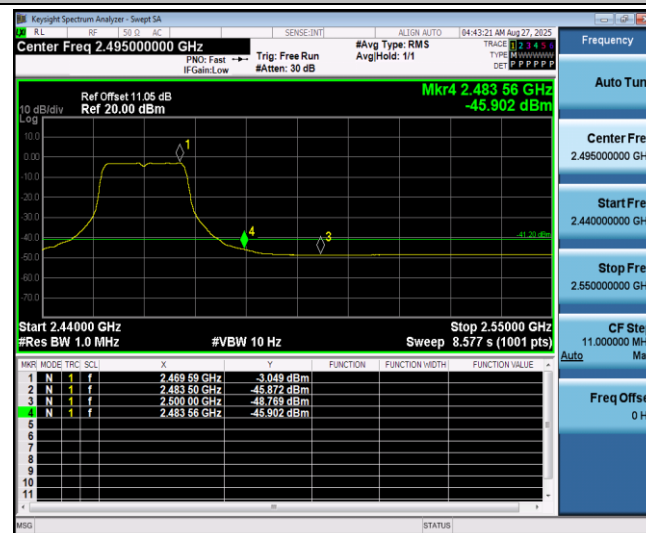
11N20SISO\_Ant1\_Low\_2412\_AV



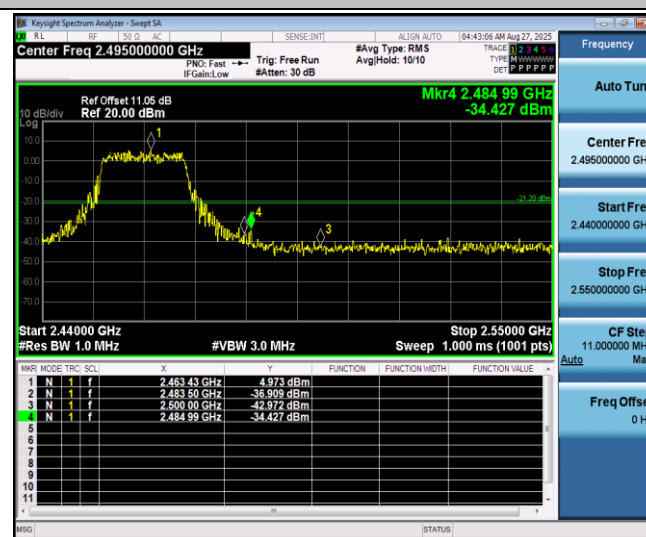
11N20SISO\_Ant1\_Low\_2412\_Peak



11N20SISO\_Ant1\_High\_2462\_AV



11N20SISO\_Ant1\_High\_2462\_Peak



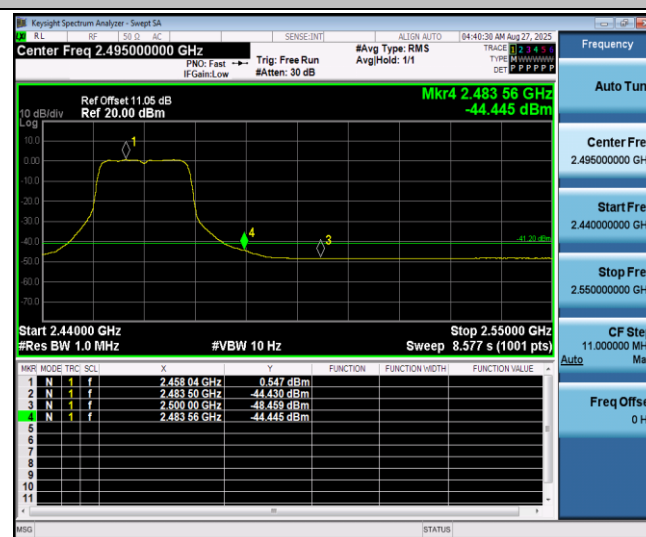
11AX20SISO\_Ant1\_Low\_2412\_AV



11AX20SISO\_Ant1\_Low\_2412\_Peak



11AX20SISO\_Ant1\_High\_2462\_AV



11AX20SISO\_Ant1\_High\_2462\_Peak

