

|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| <b>Case No. :</b> <u>GTS20230302021-1-3</u>                           |                                         |
| <b>Ambient Condition:</b> <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa, |                                         |
| <b>Test Date:</b> <u>2023.4.3</u>                                     | <b>Test Engineer:</b> <u>Jenny zeng</u> |

## Appendix C.1: DTS Bandwidth

### Test Result

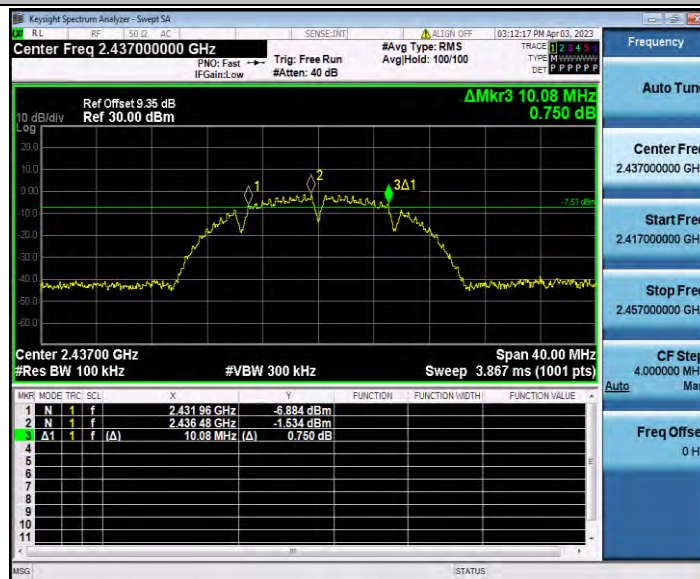
| TestMode  | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412           | 10.080       | 2406.960 | 2417.040 | 0.5        | PASS    |
|           |         | 2437           | 10.080       | 2431.960 | 2442.040 | 0.5        | PASS    |
|           |         | 2462           | 10.080       | 2456.960 | 2467.040 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 16.480       | 2403.760 | 2420.240 | 0.5        | PASS    |
|           |         | 2437           | 16.480       | 2428.760 | 2445.240 | 0.5        | PASS    |
|           |         | 2462           | 16.520       | 2453.720 | 2470.240 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 17.680       | 2403.200 | 2420.880 | 0.5        | PASS    |
|           |         | 2437           | 17.640       | 2428.200 | 2445.840 | 0.5        | PASS    |
|           |         | 2462           | 17.640       | 2453.160 | 2470.800 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422           | 36.320       | 2403.840 | 2440.160 | 0.5        | PASS    |
|           |         | 2437           | 36.320       | 2418.840 | 2455.160 | 0.5        | PASS    |
|           |         | 2452           | 36.400       | 2433.760 | 2470.160 | 0.5        | PASS    |

## Test Graphs

11B\_Ant1\_2412



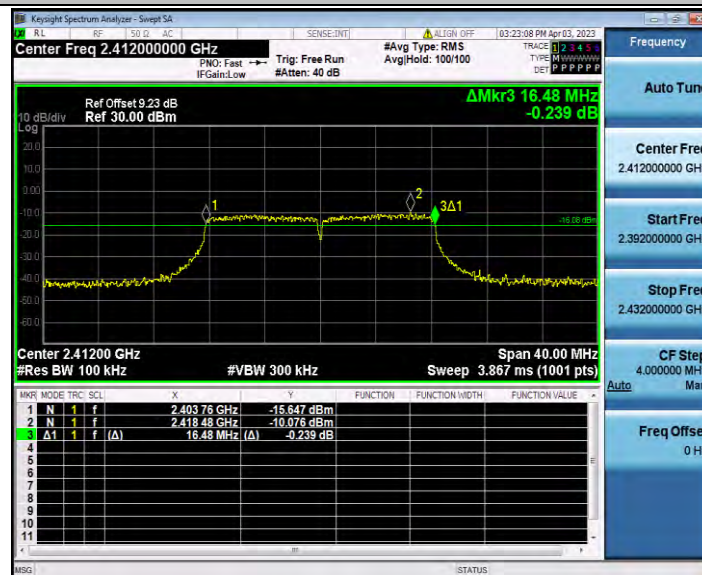
11B\_Ant1\_2437



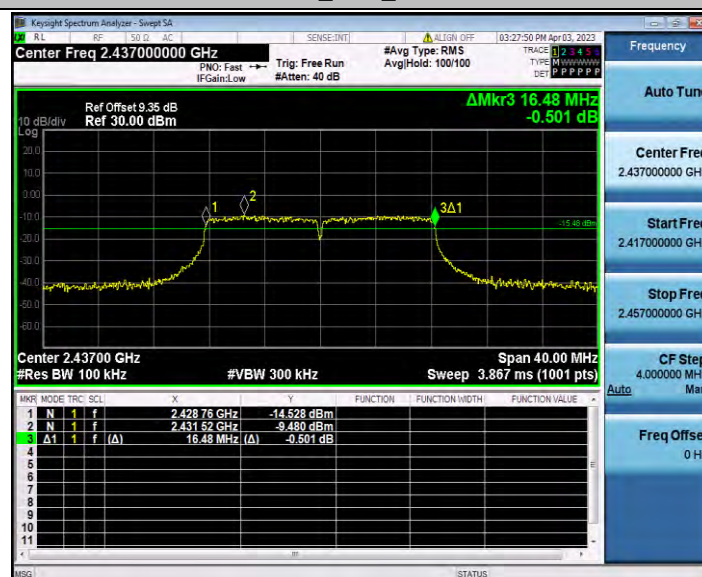
11B\_Ant1\_2462



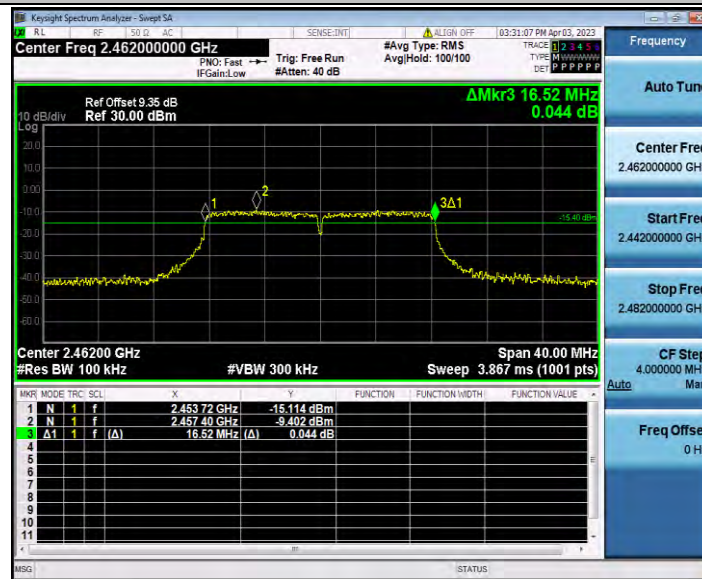
11G\_Ant1\_2412



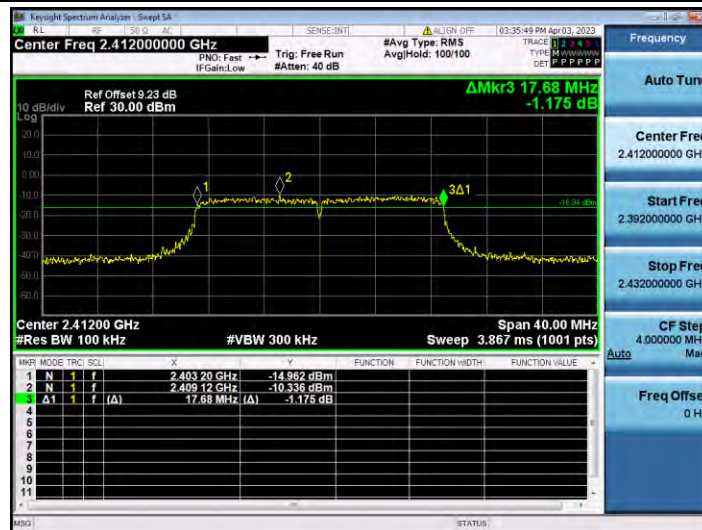
11G\_Ant1\_2437



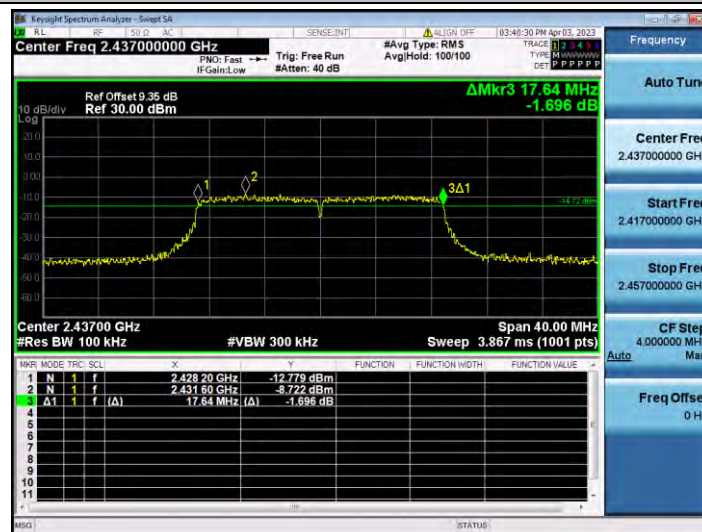
## 11G\_Ant1\_2462



## 11N20SISO\_Ant1\_2412

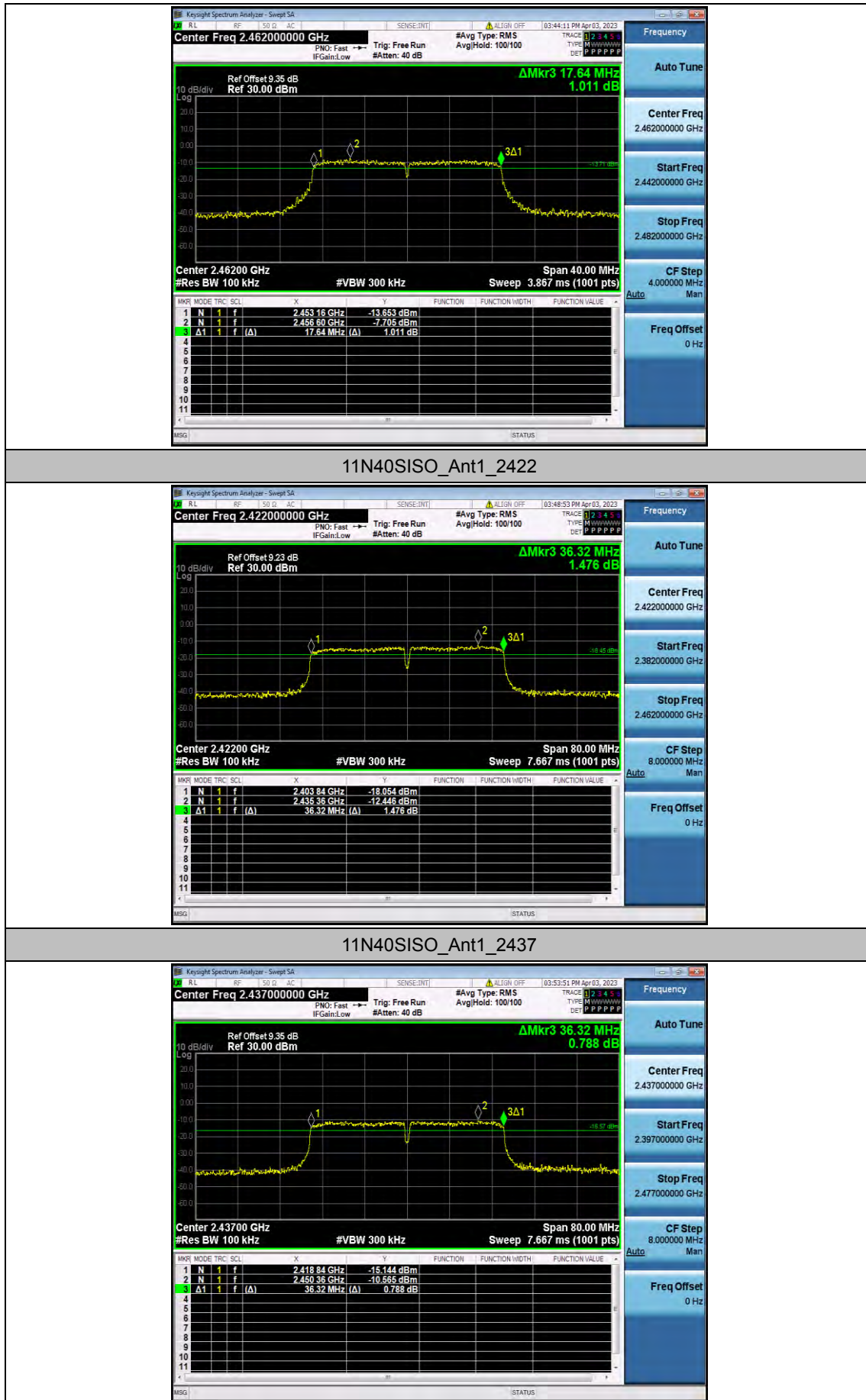


## 11N20SISO\_Ant1\_2437

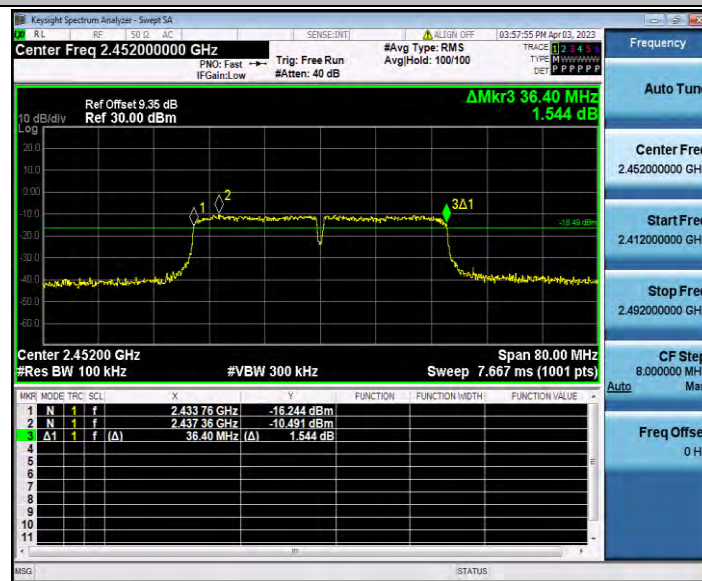


## 11N20SISO\_Ant1\_2462





## 11N40SISO\_Ant1\_2452



## Appendix C.2: Occupied Channel Bandwidth

### Test Result

| TestMode  | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------------------------|--------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412                      | 15.331       | 2404.403 | 2419.734 | ---        | ---     |
|           |         | 2437                      | 15.128       | 2429.464 | 2444.592 | ---        | ---     |
|           |         | 2462                      | 15.149       | 2454.410 | 2469.559 | ---        | ---     |
| 11G       | Ant1    | 2412                      | 16.998       | 2403.491 | 2420.489 | ---        | ---     |
|           |         | 2437                      | 16.913       | 2428.534 | 2445.447 | ---        | ---     |
|           |         | 2462                      | 16.950       | 2453.449 | 2470.399 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                      | 17.969       | 2403.077 | 2421.046 | ---        | ---     |
|           |         | 2437                      | 17.952       | 2428.018 | 2445.970 | ---        | ---     |
|           |         | 2462                      | 17.924       | 2453.025 | 2470.949 | ---        | ---     |
| 11N40SISO | Ant1    | 2422                      | 37.576       | 2403.645 | 2441.221 | ---        | ---     |
|           |         | 2437                      | 36.517       | 2418.842 | 2455.359 | ---        | ---     |
|           |         | 2452                      | 36.406       | 2433.807 | 2470.213 | ---        | ---     |

## Test Graphs

11B\_Ant1\_2412

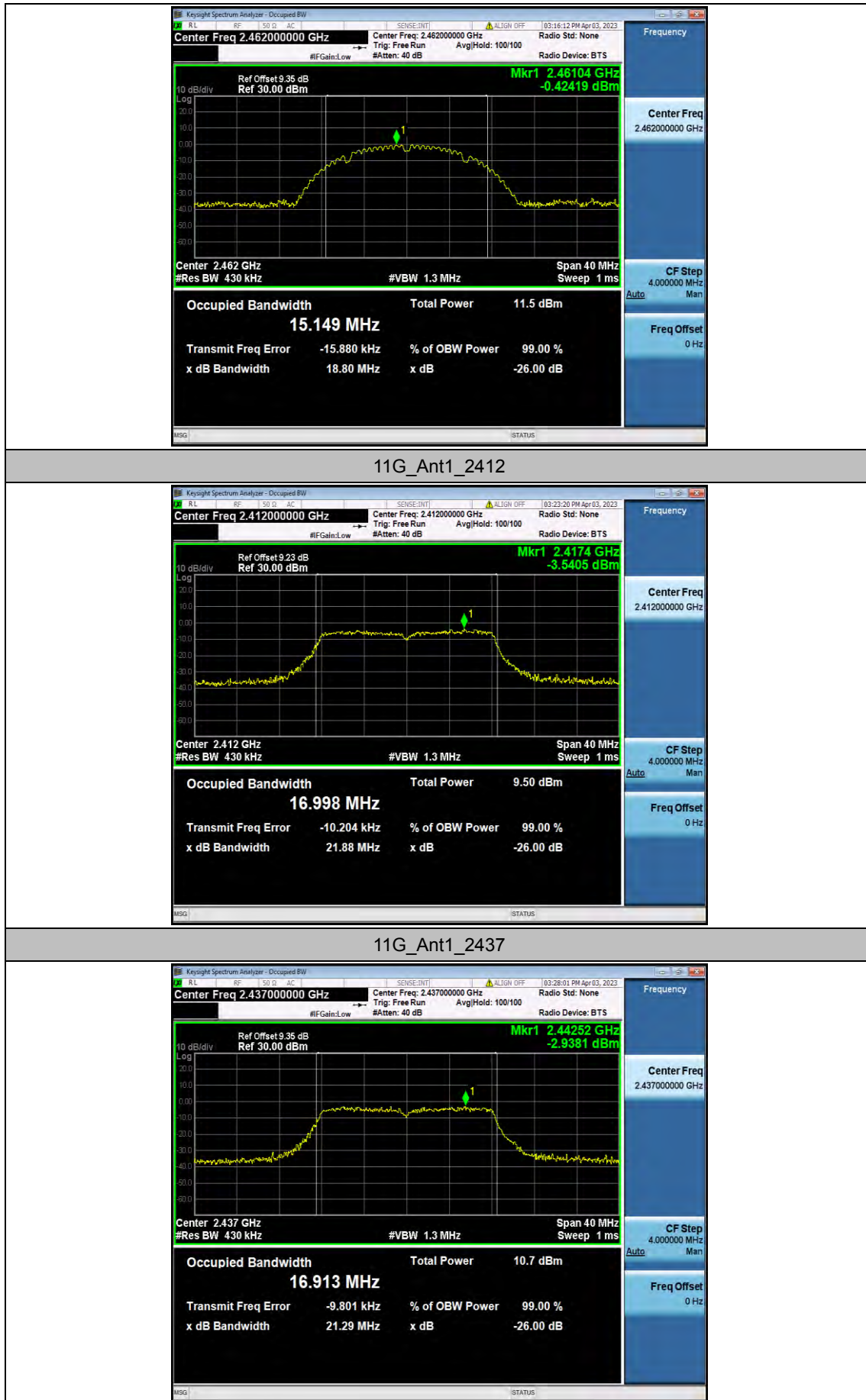


11B\_Ant1\_2437



11B\_Ant1\_2462

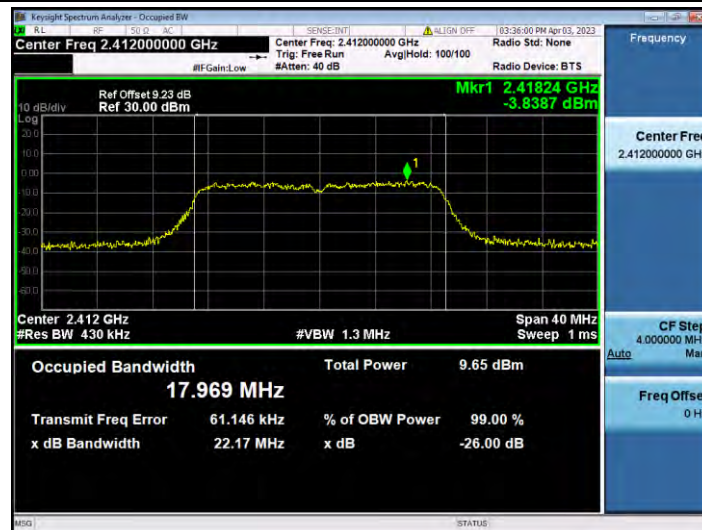




## 11G\_Ant1\_2462



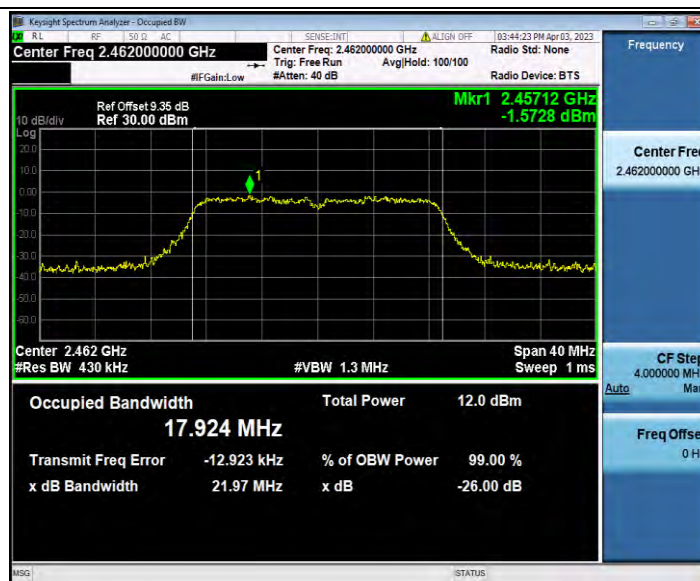
## 11N20SISO\_Ant1\_2412



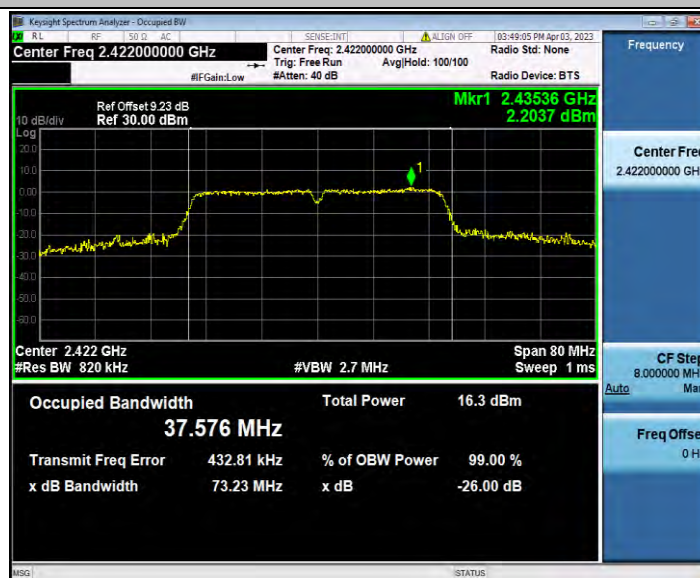
## 11N20SISO\_Ant1\_2437



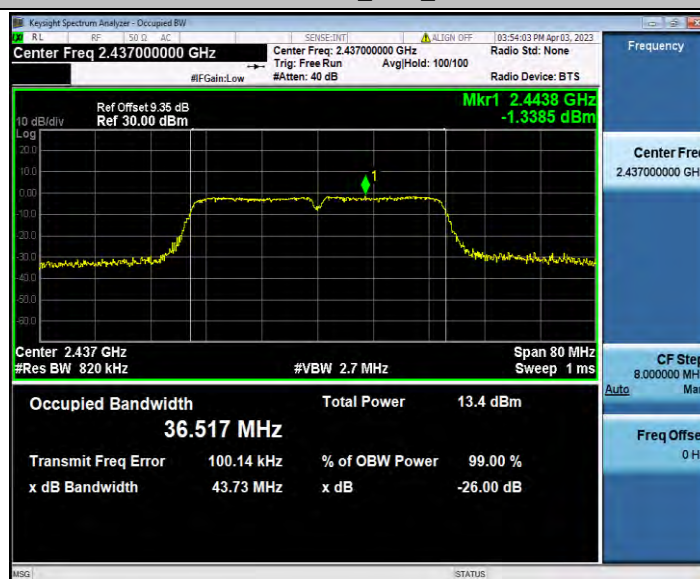
## 11N20SISO\_Ant1\_2462

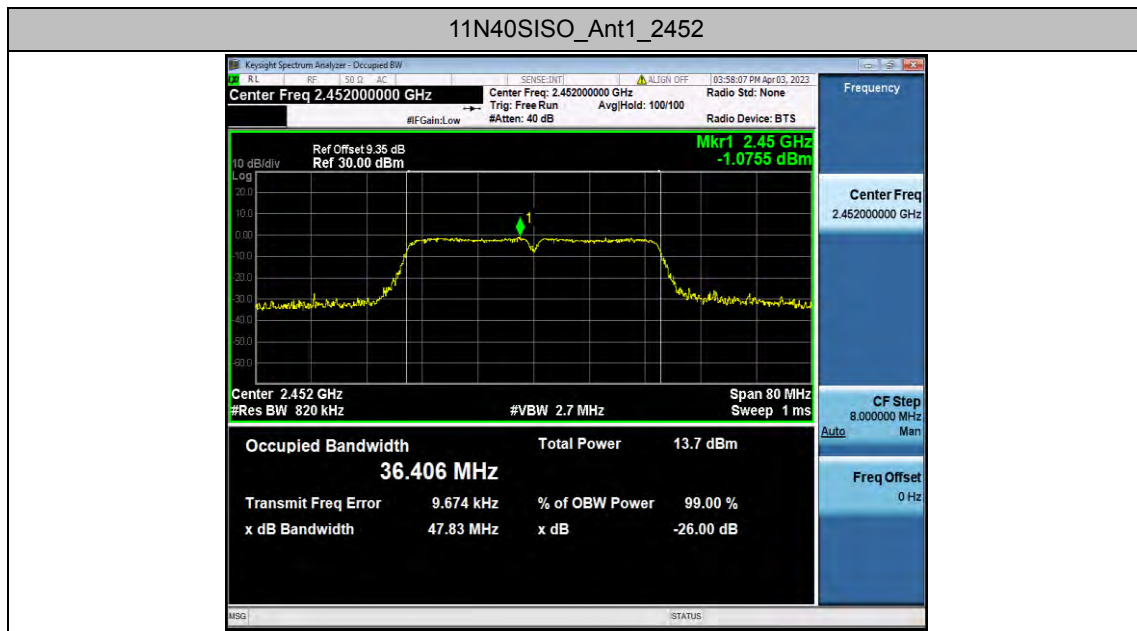


11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437





## Appendix C.3: Maximum conducted output power

### Test Result Peak

| TestMode  | Antenna | Frequency[MHz] | Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------------|---------|
| 11B       | Ant1    | 2412           | 12.41           | ≤30.00               | PASS    |
|           |         | 2437           | 11.57           | ≤30.00               | PASS    |
|           |         | 2462           | 11.58           | ≤30.00               | PASS    |
| 11G       | Ant1    | 2412           | 10.58           | ≤30.00               | PASS    |
|           |         | 2437           | 11.73           | ≤30.00               | PASS    |
|           |         | 2462           | 11.63           | ≤30.00               | PASS    |
| 11N20SISO | Ant1    | 2412           | 10.94           | ≤30.00               | PASS    |
|           |         | 2437           | 12.43           | ≤30.00               | PASS    |
|           |         | 2462           | 13.28           | ≤30.00               | PASS    |
| 11N40SISO | Ant1    | 2422           | 16.07           | ≤30.00               | PASS    |
|           |         | 2437           | 13.74           | ≤30.00               | PASS    |
|           |         | 2452           | 13.91           | ≤30.00               | PASS    |



## Appendix C.4: Maximum power spectral density

### Test Result

| TestMode  | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -20.94               | ≤8.00           | PASS    |
|           |         | 2437           | -21.65               | ≤8.00           | PASS    |
|           |         | 2462           | -21.74               | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -24.91               | ≤8.00           | PASS    |
|           |         | 2437           | -23.26               | ≤8.00           | PASS    |
|           |         | 2462           | -23.84               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -24.14               | ≤8.00           | PASS    |
|           |         | 2437           | -22.31               | ≤8.00           | PASS    |
|           |         | 2462           | -22.06               | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2422           | -20.99               | ≤8.00           | PASS    |
|           |         | 2437           | -22.44               | ≤8.00           | PASS    |
|           |         | 2452           | -22.93               | ≤8.00           | PASS    |

## Test Graphs

11B\_Ant1\_2412



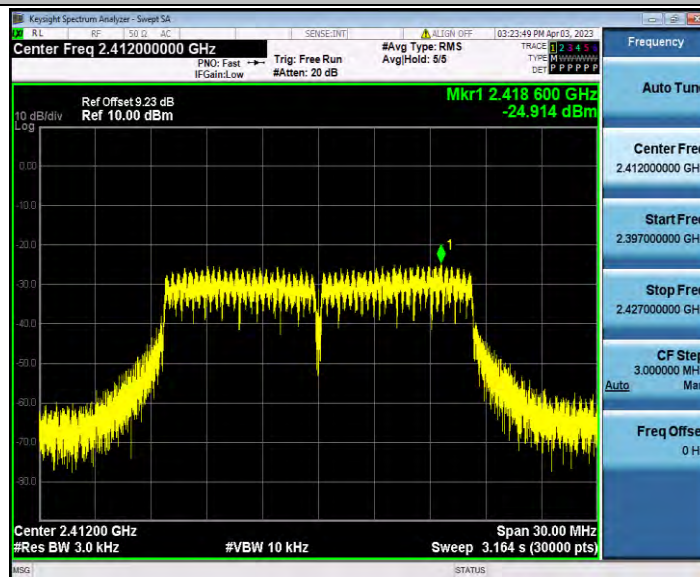
11B\_Ant1\_2437



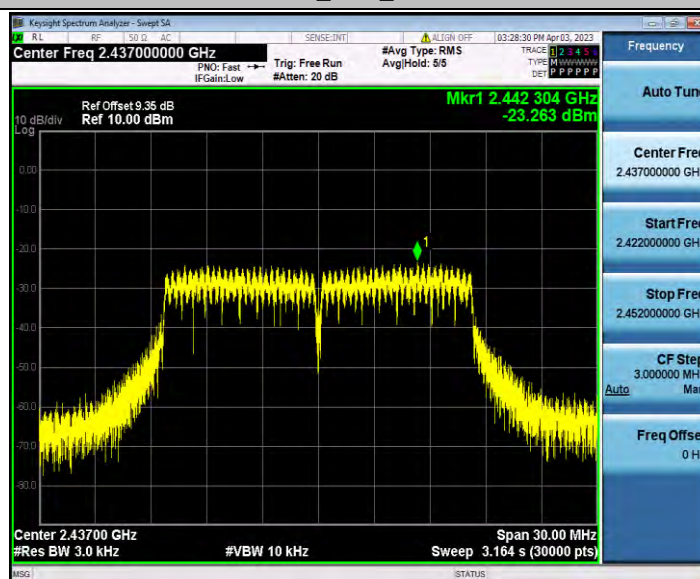
11B\_Ant1\_2462



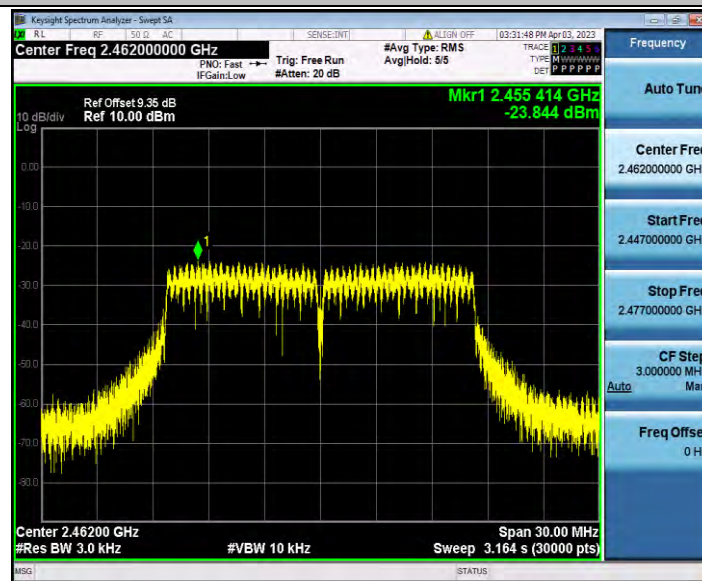
11G\_Ant1\_2412



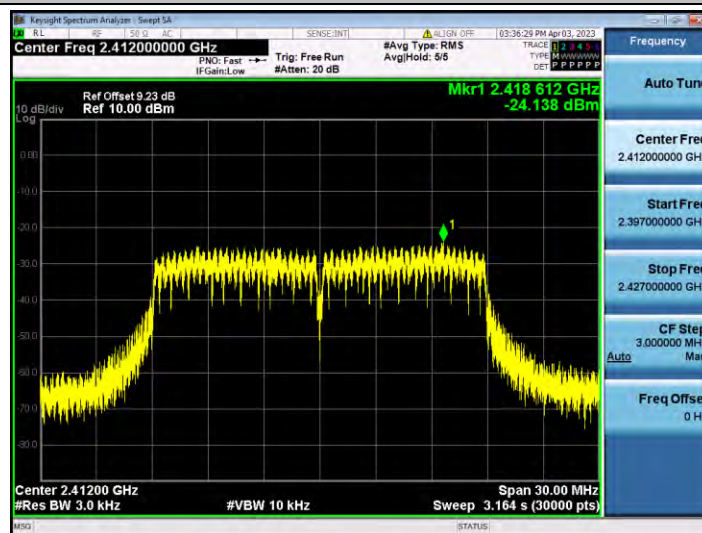
11G\_Ant1\_2437



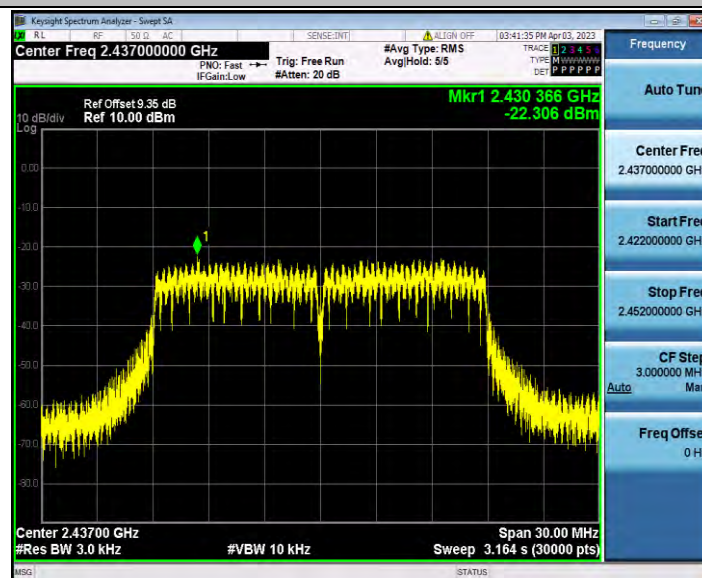
11G\_Ant1\_2462



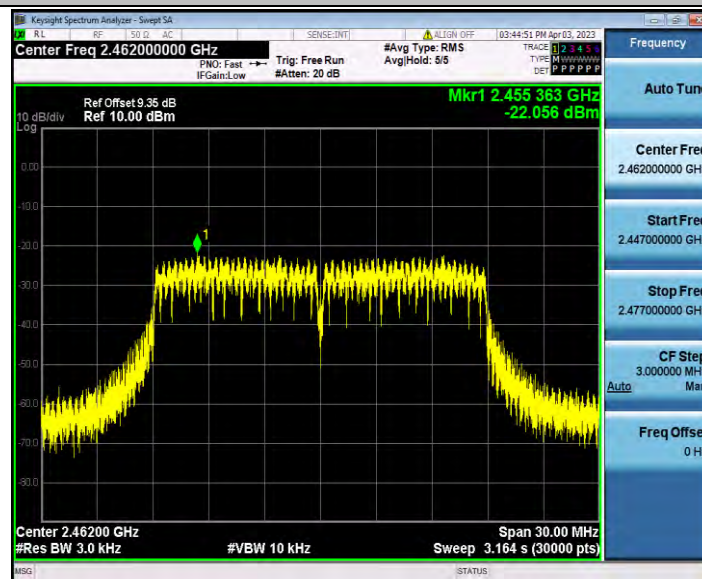
11N20SISO\_Ant1\_2412



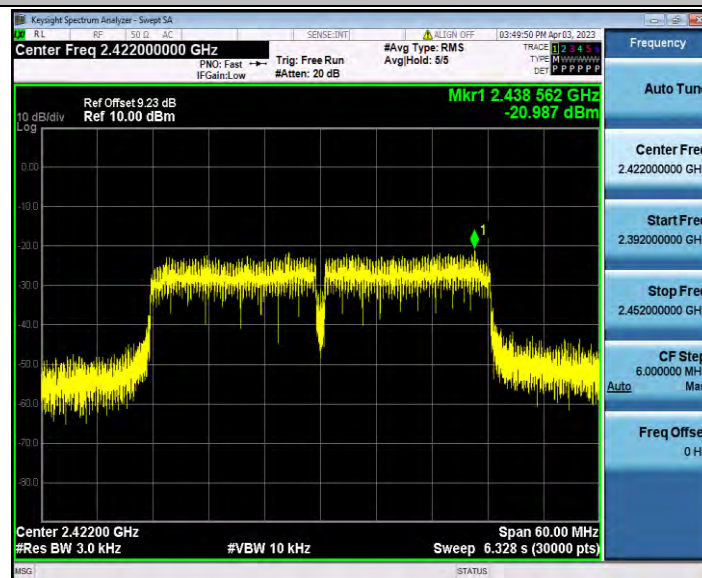
11N20SISO\_Ant1\_2437



## 11N20SISO\_Ant1\_2462

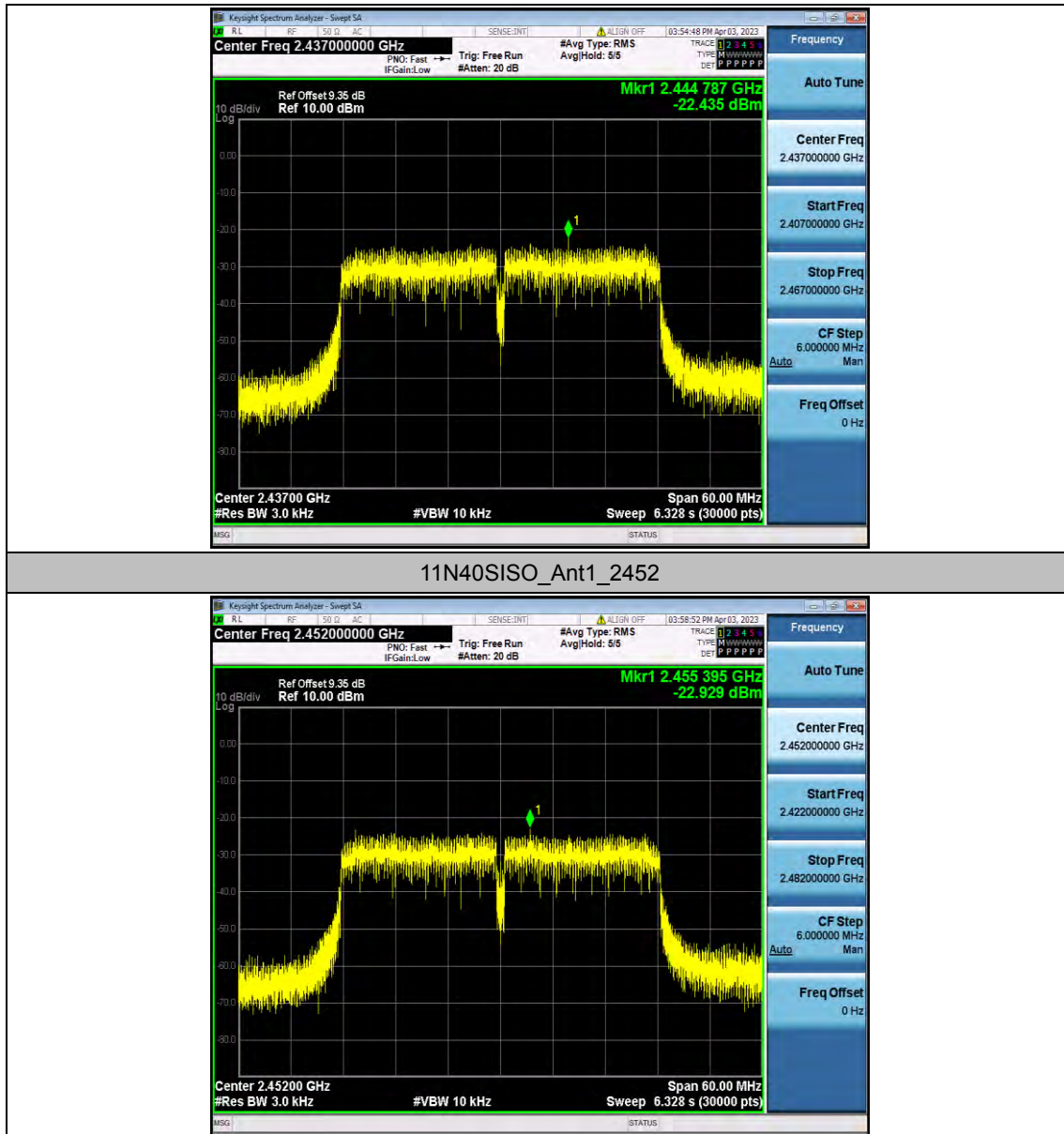


## 11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437





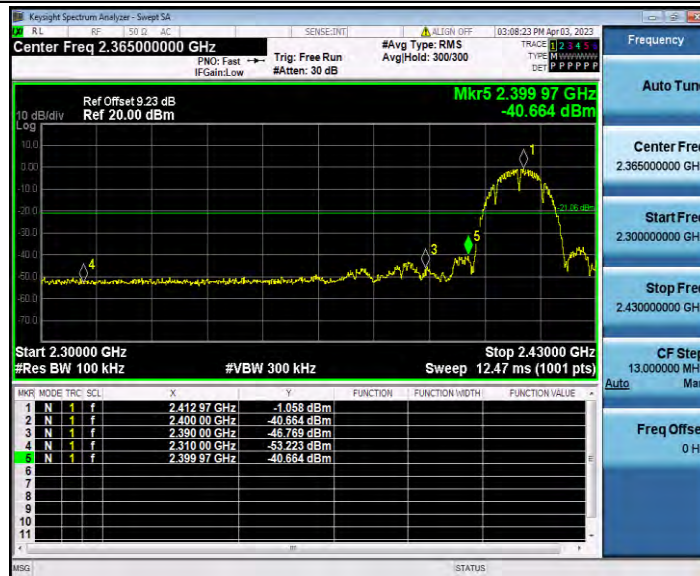
## Appendix C.5: Band edge measurements

### Test Result

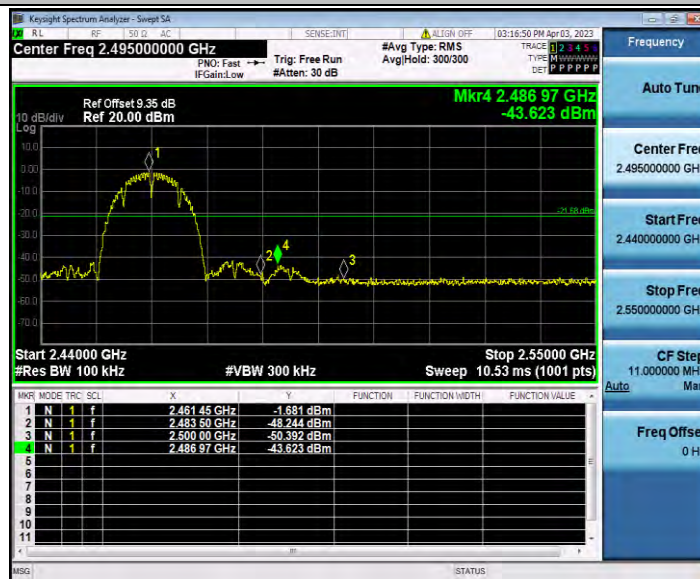
| TestMode  | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|----------------|---------------|-------------|---------------|---------|
| 11B       | Ant1    | Low    | 2412           | -1.06         | -40.66      | $\leq -21.06$ | PASS    |
|           |         | High   | 2462           | -1.68         | -43.62      | $\leq -21.68$ | PASS    |
| 11G       | Ant1    | Low    | 2412           | -9.99         | -40.98      | $\leq -29.99$ | PASS    |
|           |         | High   | 2462           | -9.35         | -45.61      | $\leq -29.35$ | PASS    |
| 11N20SISO | Ant1    | Low    | 2412           | -10.79        | -42.05      | $\leq -30.79$ | PASS    |
|           |         | High   | 2462           | -7.73         | -43.97      | $\leq -27.73$ | PASS    |
| 11N40SISO | Ant1    | Low    | 2422           | -8.02         | -31.5       | $\leq -28.02$ | PASS    |
|           |         | High   | 2452           | -10.39        | -40.06      | $\leq -30.39$ | PASS    |

## Test Graphs

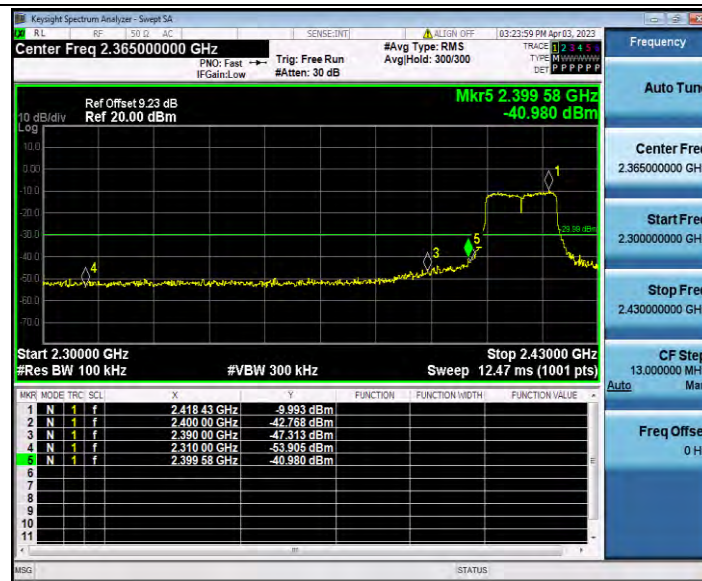
11B\_Ant1\_Low\_2412



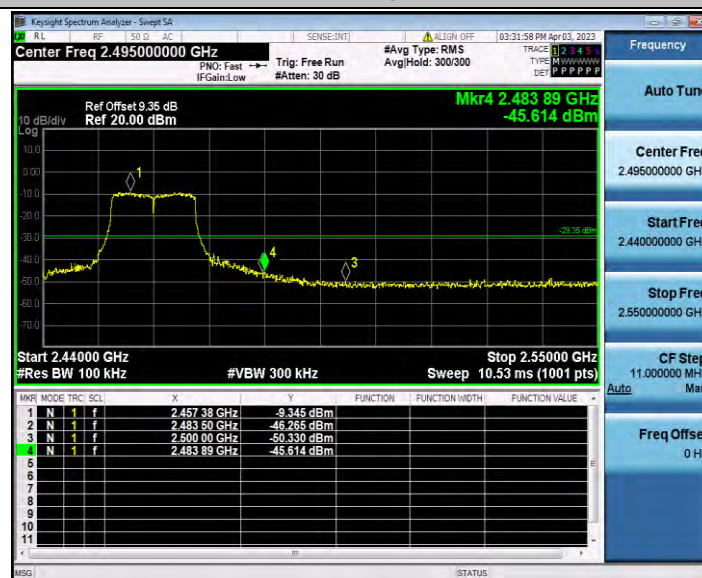
11B\_Ant1\_High\_2462



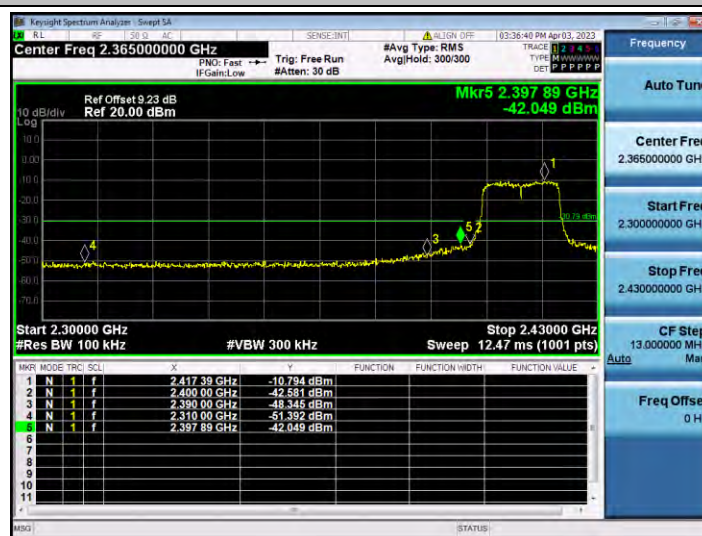
11G\_Ant1\_Low\_2412



11G\_Ant1\_High\_2462

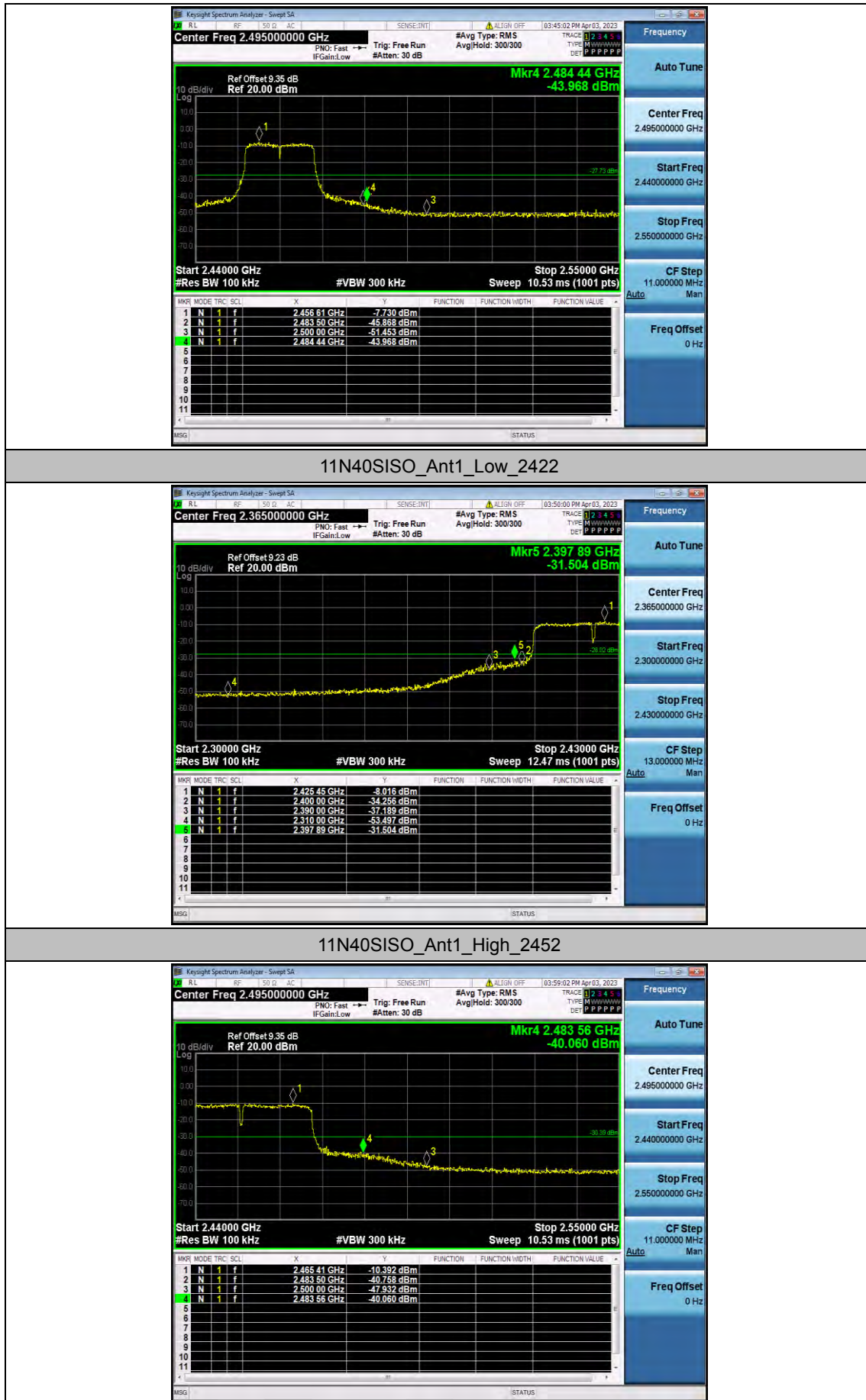


11N20SISO\_Ant1\_Low\_2412



11N20SISO\_Ant1\_High\_2462





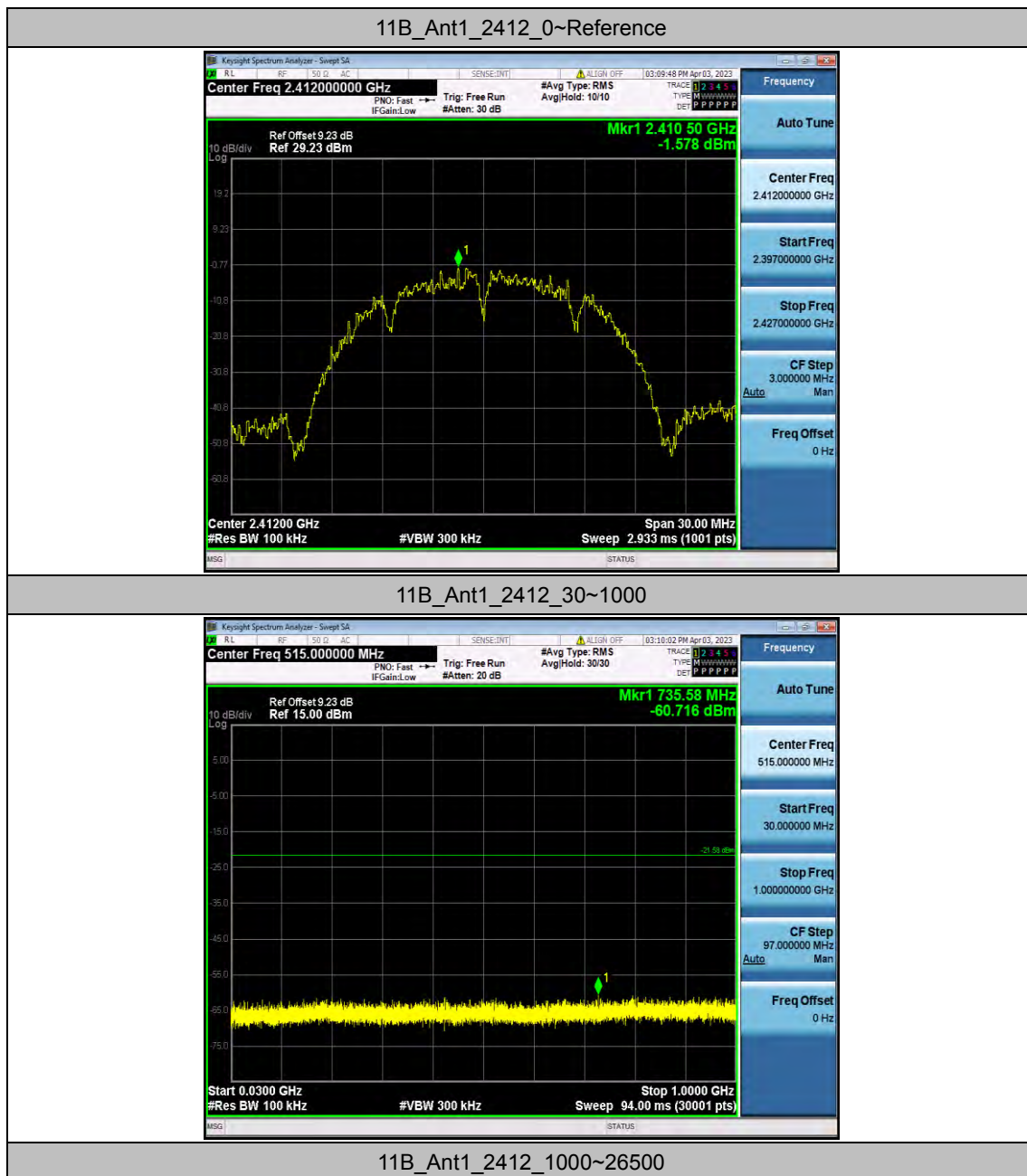


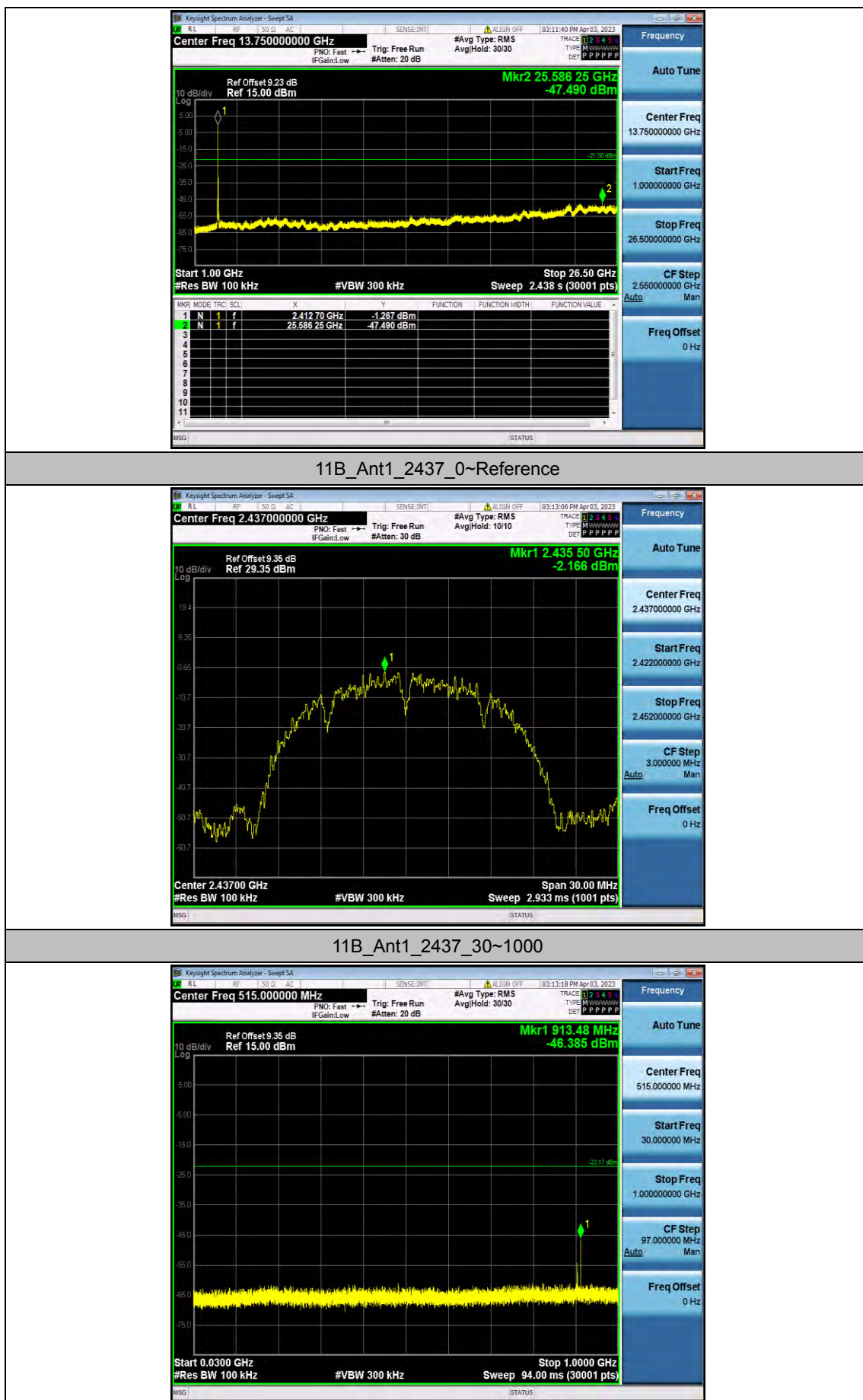
## Appendix C.6: Conducted Spurious Emission

### Test Result

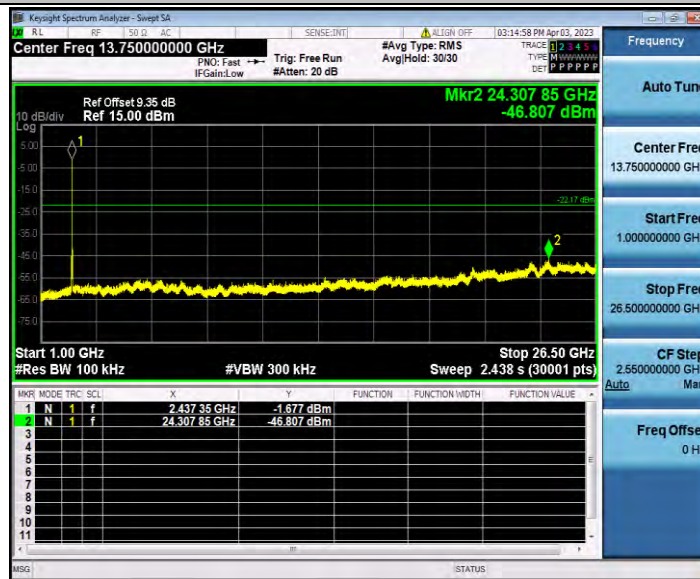
| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| 11B       | Ant1    | 2412           | Reference       | -1.58          | -1.58        | ---           | PASS    |
|           |         |                | 30~1000         | -1.58          | -60.72       | $\leq -21.58$ | PASS    |
|           |         |                | 1000~26500      | -1.58          | -47.49       | $\leq -21.58$ | PASS    |
|           |         | 2437           | Reference       | -2.17          | -2.17        | ---           | PASS    |
|           |         |                | 30~1000         | -2.17          | -46.39       | $\leq -22.17$ | PASS    |
|           |         |                | 1000~26500      | -2.17          | -46.81       | $\leq -22.17$ | PASS    |
|           |         | 2462           | Reference       | -1.80          | -1.80        | ---           | PASS    |
|           |         |                | 30~1000         | -1.80          | -49.51       | $\leq -21.8$  | PASS    |
|           |         |                | 1000~26500      | -1.80          | -47.42       | $\leq -21.8$  | PASS    |
| 11G       | Ant1    | 2412           | Reference       | -10.36         | -10.36       | ---           | PASS    |
|           |         |                | 30~1000         | -10.36         | -59.92       | $\leq -30.36$ | PASS    |
|           |         |                | 1000~26500      | -10.36         | -46.95       | $\leq -30.36$ | PASS    |
|           |         | 2437           | Reference       | -9.98          | -9.98        | ---           | PASS    |
|           |         |                | 30~1000         | -9.98          | -60.71       | $\leq -29.98$ | PASS    |
|           |         |                | 1000~26500      | -9.98          | -47.41       | $\leq -29.98$ | PASS    |
|           |         | 2462           | Reference       | -9.46          | -9.46        | ---           | PASS    |
|           |         |                | 30~1000         | -9.46          | -60.21       | $\leq -29.46$ | PASS    |
|           |         |                | 1000~26500      | -9.46          | -47.49       | $\leq -29.46$ | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | -11.31         | -11.31       | ---           | PASS    |
|           |         |                | 30~1000         | -11.31         | -43.46       | $\leq -31.31$ | PASS    |
|           |         |                | 1000~26500      | -11.31         | -47.53       | $\leq -31.31$ | PASS    |
|           |         | 2437           | Reference       | -9.37          | -9.37        | ---           | PASS    |
|           |         |                | 30~1000         | -9.37          | -34.33       | $\leq -29.37$ | PASS    |
|           |         |                | 1000~26500      | -9.37          | -47.42       | $\leq -29.37$ | PASS    |
|           |         | 2462           | Reference       | -9.05          | -9.05        | ---           | PASS    |
|           |         |                | 30~1000         | -9.05          | -60.29       | $\leq -29.05$ | PASS    |
|           |         |                | 1000~26500      | -9.05          | -47.6        | $\leq -29.05$ | PASS    |
| 11N40SISO | Ant1    | 2422           | Reference       | -8.32          | -8.32        | ---           | PASS    |
|           |         |                | 30~1000         | -8.32          | -60.41       | $\leq -28.32$ | PASS    |
|           |         |                | 1000~26500      | -8.32          | -47.37       | $\leq -28.32$ | PASS    |
|           |         | 2437           | Reference       | -11.41         | -11.41       | ---           | PASS    |
|           |         |                | 30~1000         | -11.41         | -60.22       | $\leq -31.41$ | PASS    |
|           |         |                | 1000~26500      | -11.41         | -46.97       | $\leq -31.41$ | PASS    |
|           |         | 2452           | Reference       | -12.85         | -12.85       | ---           | PASS    |
|           |         |                | 30~1000         | -12.85         | -60.44       | $\leq -32.85$ | PASS    |
|           |         |                | 1000~26500      | -12.85         | -47.75       | $\leq -32.85$ | PASS    |

## Test Graphs





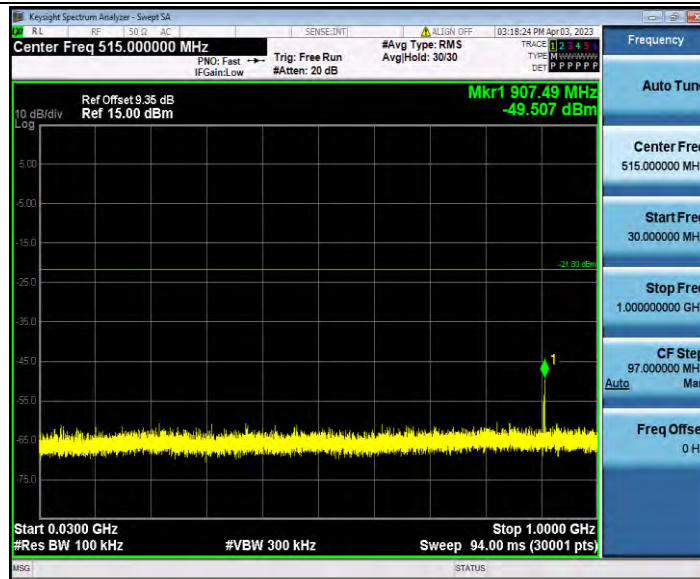
## 11B\_Ant1\_2437\_1000~26500



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



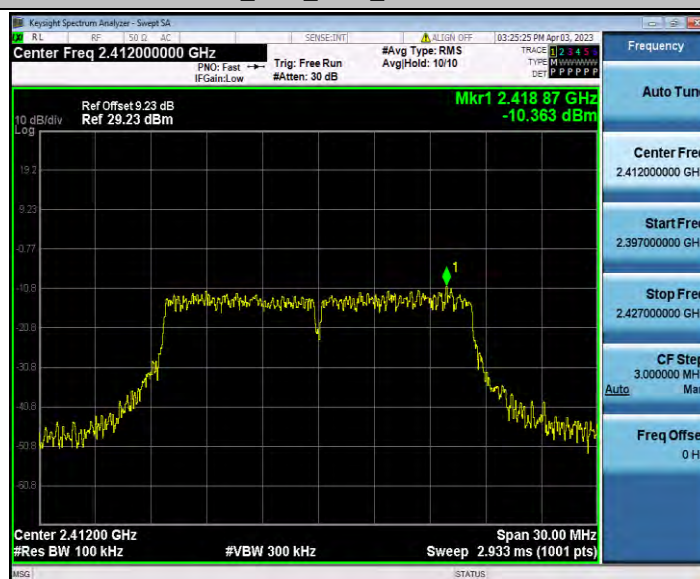
## 11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500

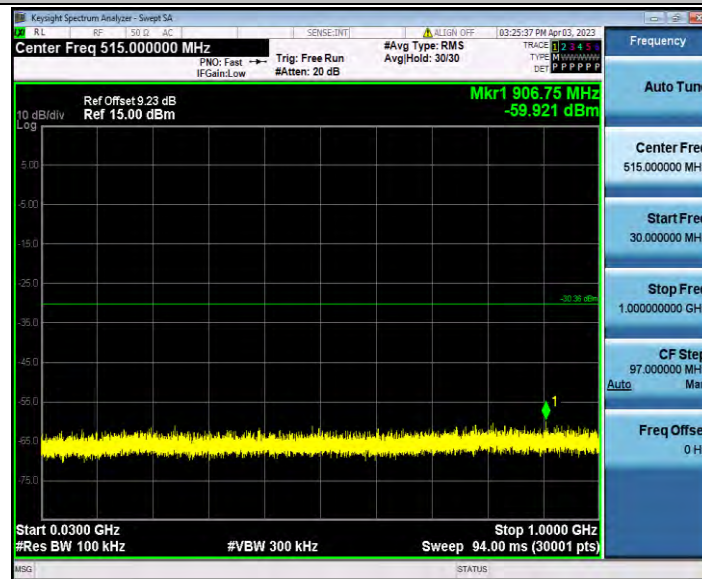


11G\_Ant1\_2412\_0~Reference

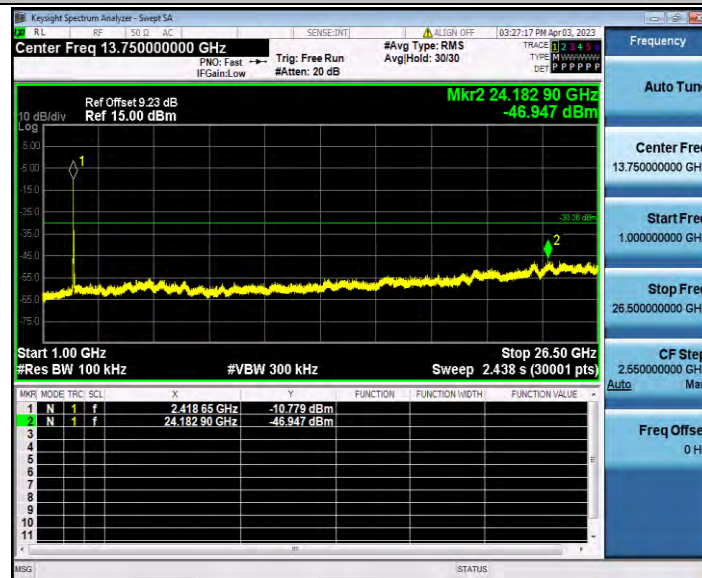




## 11G\_Ant1\_2412\_30~1000



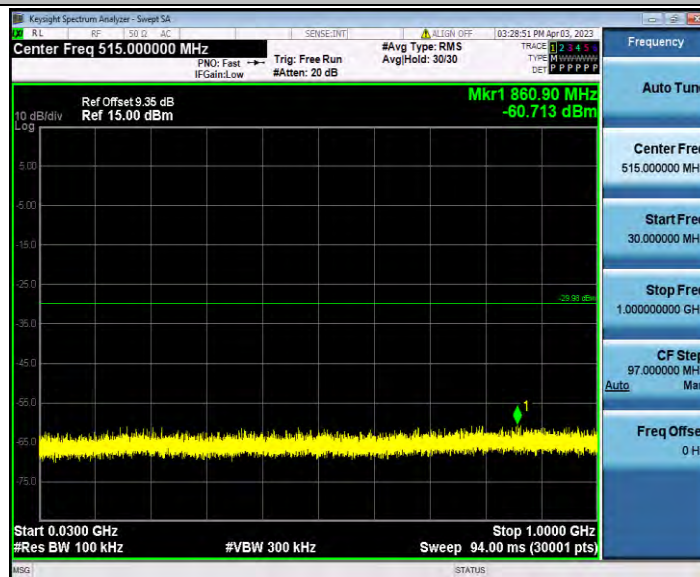
## 11G\_Ant1\_2412\_1000~26500



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



11G\_Ant1\_2437\_30~1000



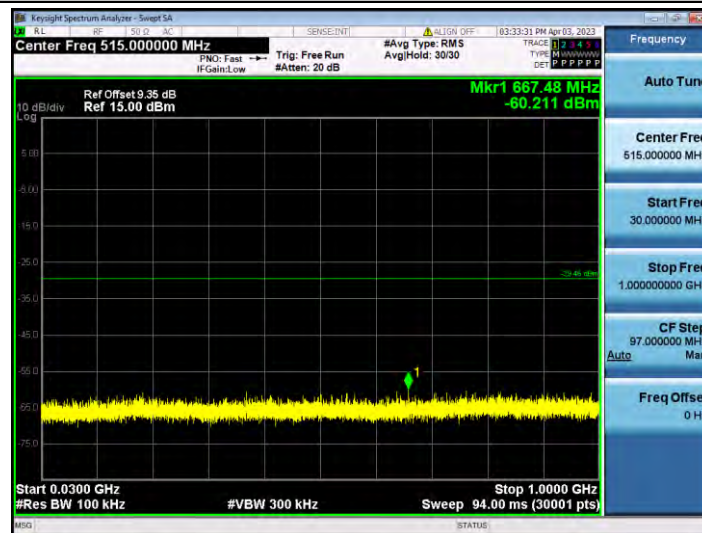
11G\_Ant1\_2437\_1000~26500



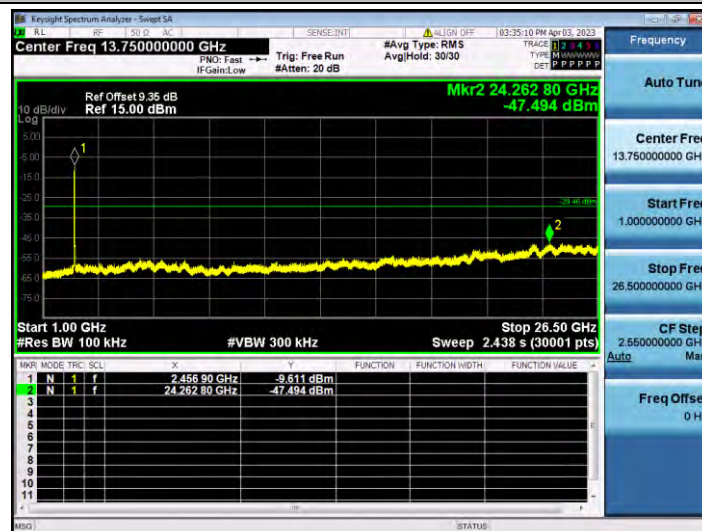
## 11G\_Ant1\_2462\_0~Reference



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



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

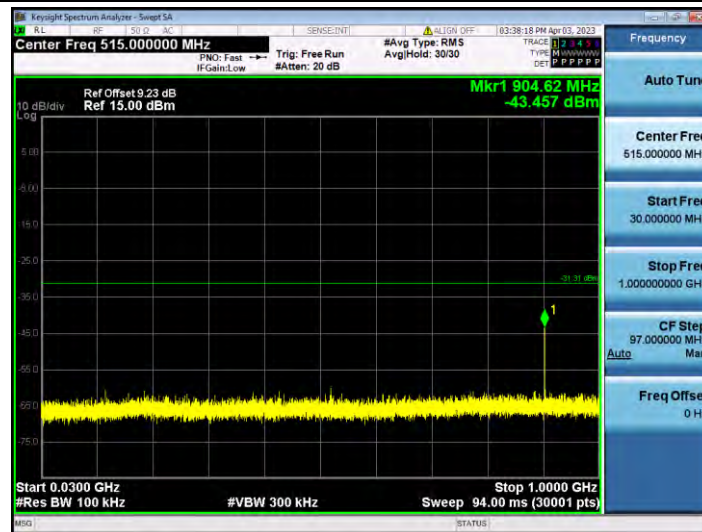


## 11N20SISO\_Ant1\_2412\_0~Reference

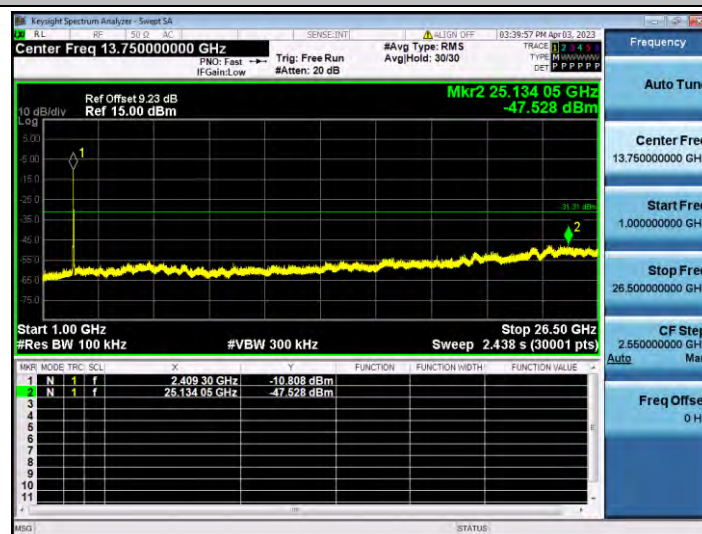




11N20SISO\_Ant1\_2412\_30~1000



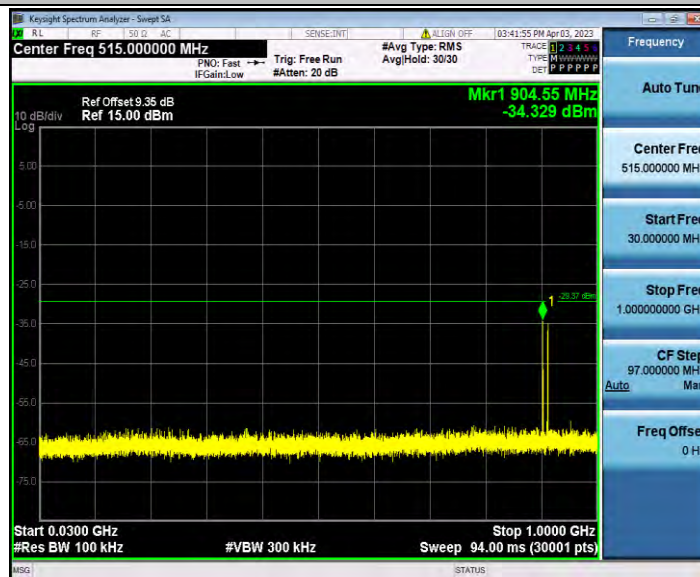
11N20SISO\_Ant1\_2412\_1000~26500



11N20SISO\_Ant1\_2437\_0~Reference



11N20SISO\_Ant1\_2437\_30~1000



11N20SISO\_Ant1\_2437\_1000~26500

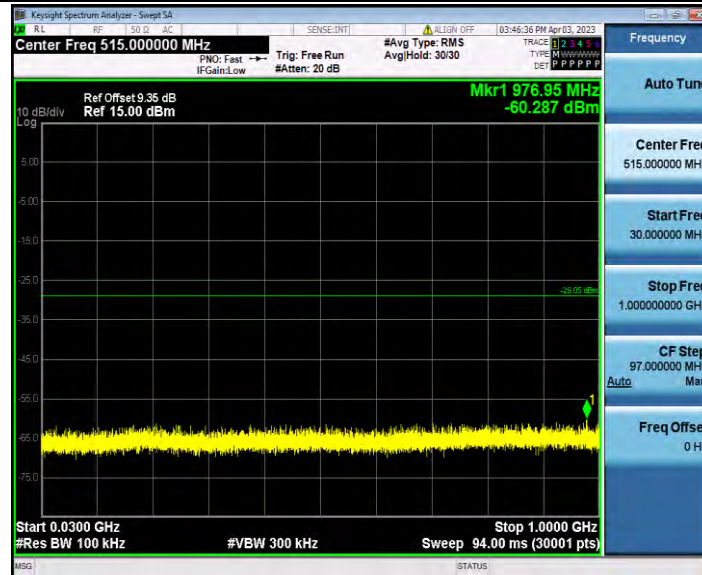




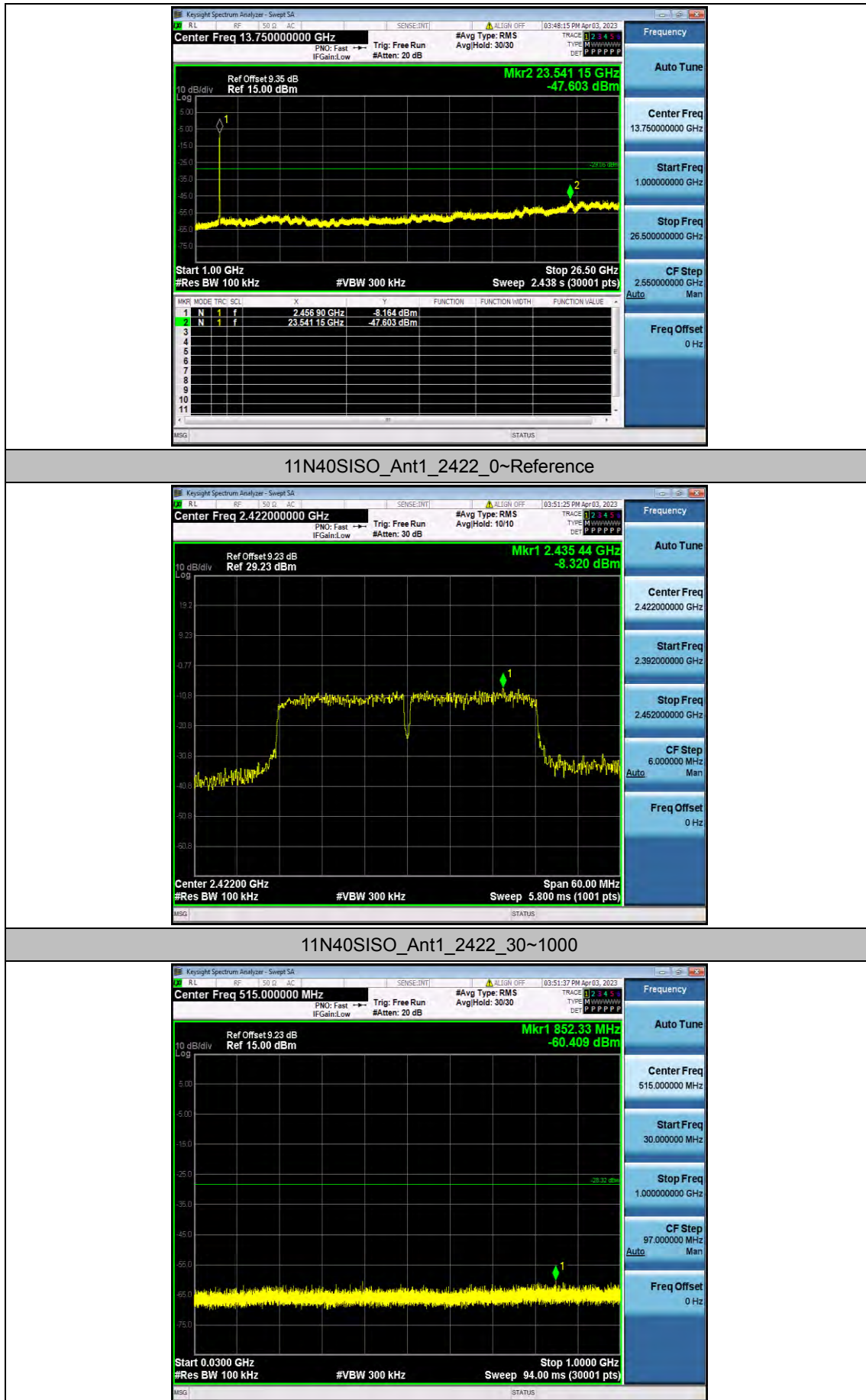
## 11N20SISO\_Ant1\_2462\_0~Reference



## 11N20SISO\_Ant1\_2462\_30~1000



## 11N20SISO\_Ant1\_2462\_1000~26500



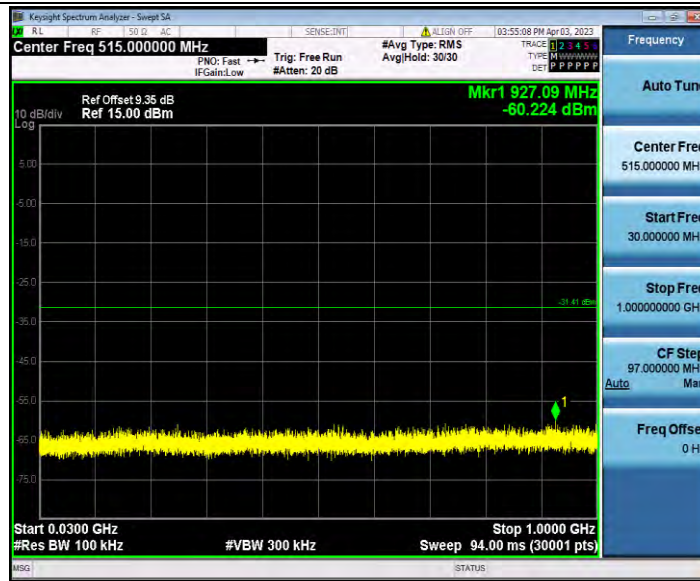
## 11N40SISO\_Ant1\_2422\_1000~26500



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



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



11N40SISO\_Ant1\_2437\_1000~26500

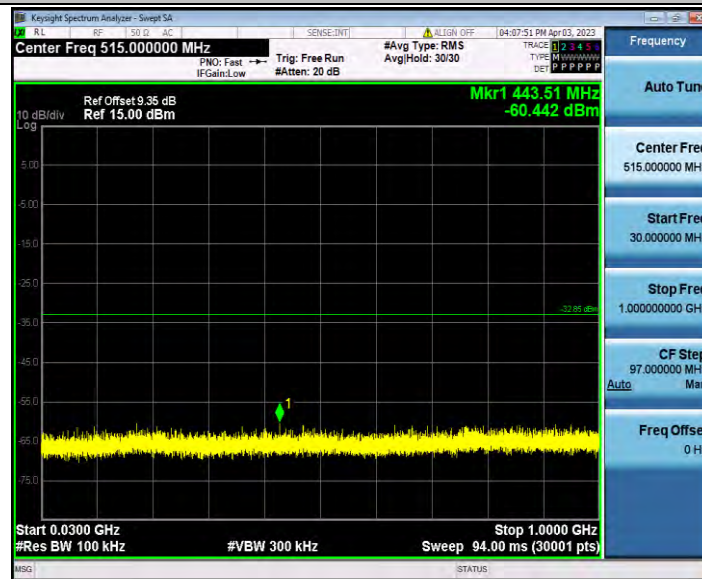


11N40SISO\_Ant1\_2452\_0~Reference





## 11N40SISO\_Ant1\_2452\_30~1000



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

