

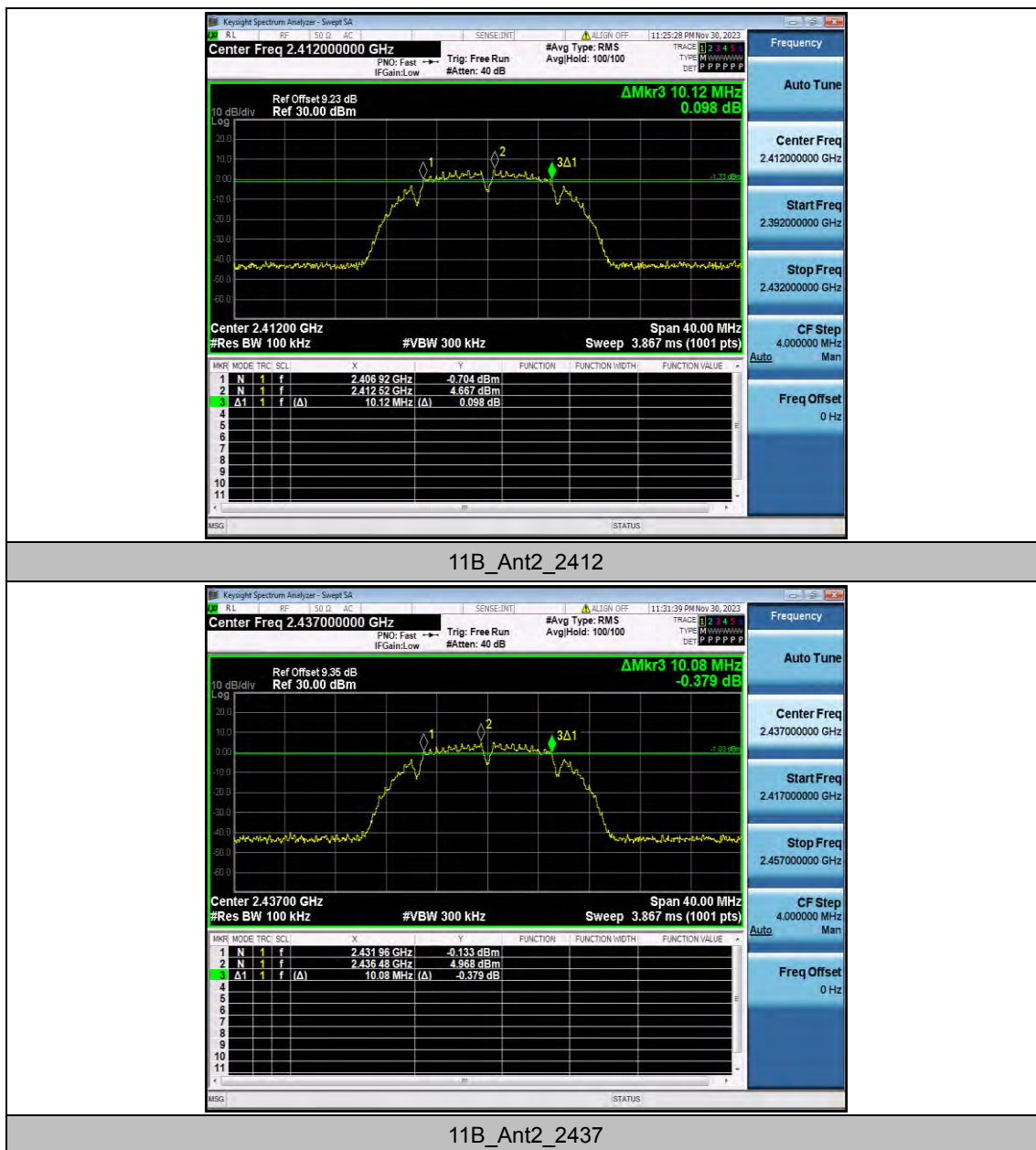
|                                                                       |                                          |
|-----------------------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20231017004-1-12</u>                          |                                          |
| <b>Ambient Condition:</b> <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa, |                                          |
| <b>Test Date:</b> <u>2023.11.30</u>                                   | <b>Test Engineer:</b> <u>Evan ouyang</u> |

## Appendix C.1: DTS Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B       | Ant2    | 2412           | 10.120       | 2406.920 | 2417.040 | 0.5        | PASS    |
|           |         | 2437           | 10.080       | 2431.960 | 2442.040 | 0.5        | PASS    |
|           |         | 2462           | 10.040       | 2456.960 | 2467.000 | 0.5        | PASS    |
| 11G       | Ant2    | 2412           | 14.640       | 2404.840 | 2419.480 | 0.5        | PASS    |
|           |         | 2437           | 15.400       | 2429.720 | 2445.120 | 0.5        | PASS    |
|           |         | 2462           | 15.400       | 2454.480 | 2469.880 | 0.5        | PASS    |
| 11N20SISO | Ant2    | 2412           | 15.080       | 2404.440 | 2419.520 | 0.5        | PASS    |
|           |         | 2437           | 15.640       | 2429.480 | 2445.120 | 0.5        | PASS    |
|           |         | 2462           | 14.480       | 2455.080 | 2469.560 | 0.5        | PASS    |
| 11N40SISO | Ant2    | 2422           | 33.760       | 2405.760 | 2439.520 | 0.5        | PASS    |
|           |         | 2437           | 33.840       | 2420.680 | 2454.520 | 0.5        | PASS    |
|           |         | 2452           | 35.040       | 2434.480 | 2469.520 | 0.5        | PASS    |

## Test Graphs





11B\_Ant2\_2462



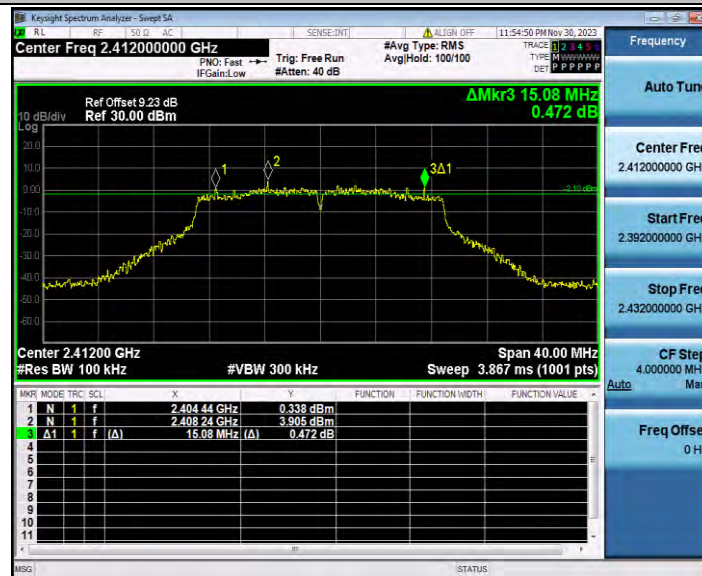
11G\_Ant2\_2412



## 11G\_Ant2\_2437



## 11G\_Ant2\_2462



## 11N20SISO\_Ant2\_2412





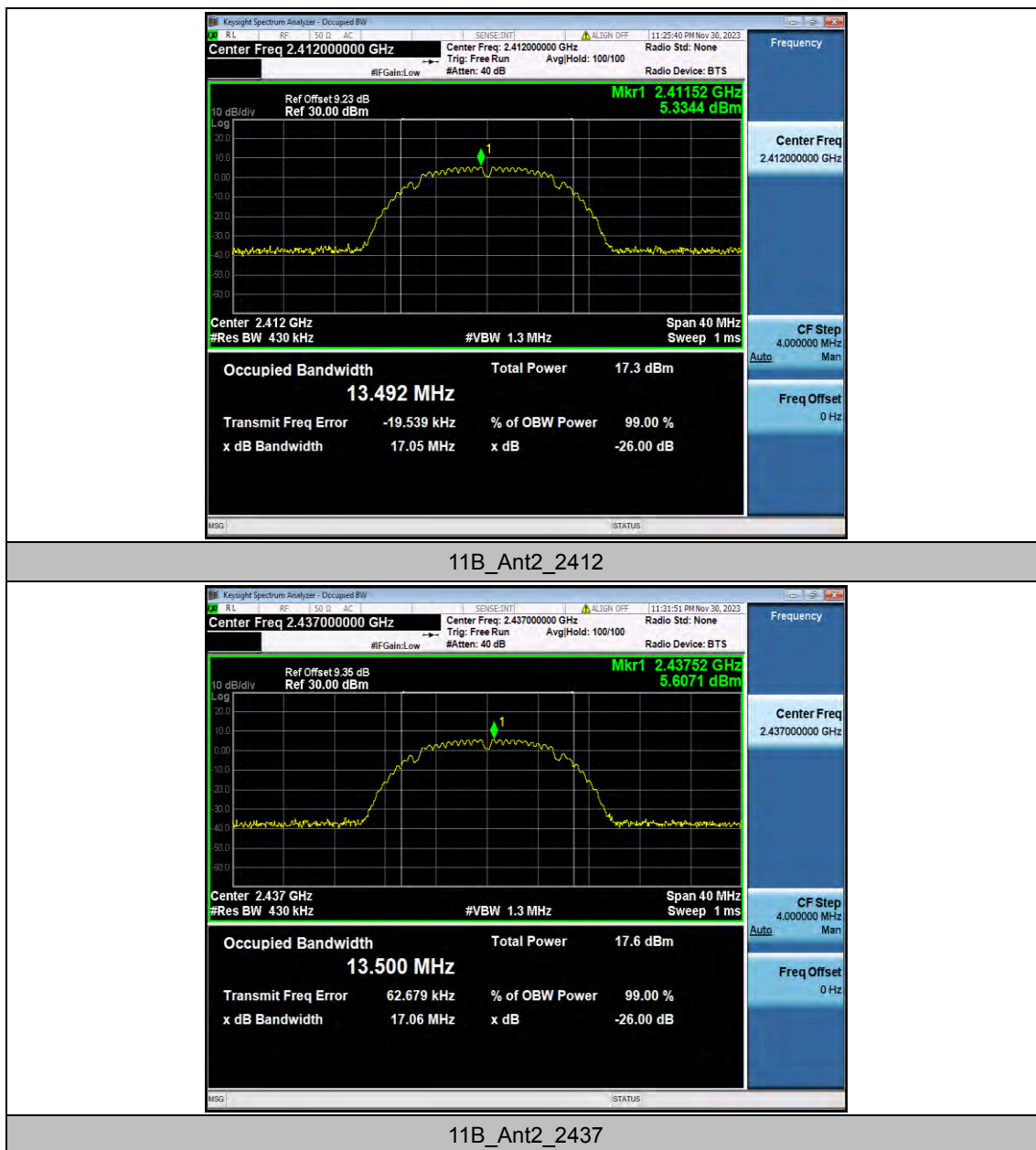


## Appendix C.2: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Channel Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|------------------------|-----------|----------|----------|------------|---------|
| 11B       | Ant2    | 2412                   | 13.492    | 2405.234 | 2418.726 | ---        | ---     |
|           |         | 2437                   | 13.500    | 2430.313 | 2443.813 | ---        | ---     |
|           |         | 2462                   | 13.475    | 2455.264 | 2468.739 | ---        | ---     |
| 11G       | Ant2    | 2412                   | 16.940    | 2403.530 | 2420.470 | ---        | ---     |
|           |         | 2437                   | 16.906    | 2428.609 | 2445.515 | ---        | ---     |
|           |         | 2462                   | 16.824    | 2453.582 | 2470.406 | ---        | ---     |
| 11N20SISO | Ant2    | 2412                   | 17.891    | 2403.039 | 2420.930 | ---        | ---     |
|           |         | 2437                   | 17.914    | 2428.097 | 2446.011 | ---        | ---     |
|           |         | 2462                   | 17.870    | 2453.062 | 2470.932 | ---        | ---     |
| 11N40SISO | Ant2    | 2422                   | 36.173    | 2403.998 | 2440.171 | ---        | ---     |
|           |         | 2437                   | 36.123    | 2419.007 | 2455.130 | ---        | ---     |
|           |         | 2452                   | 36.004    | 2434.051 | 2470.055 | ---        | ---     |

## Test Graphs







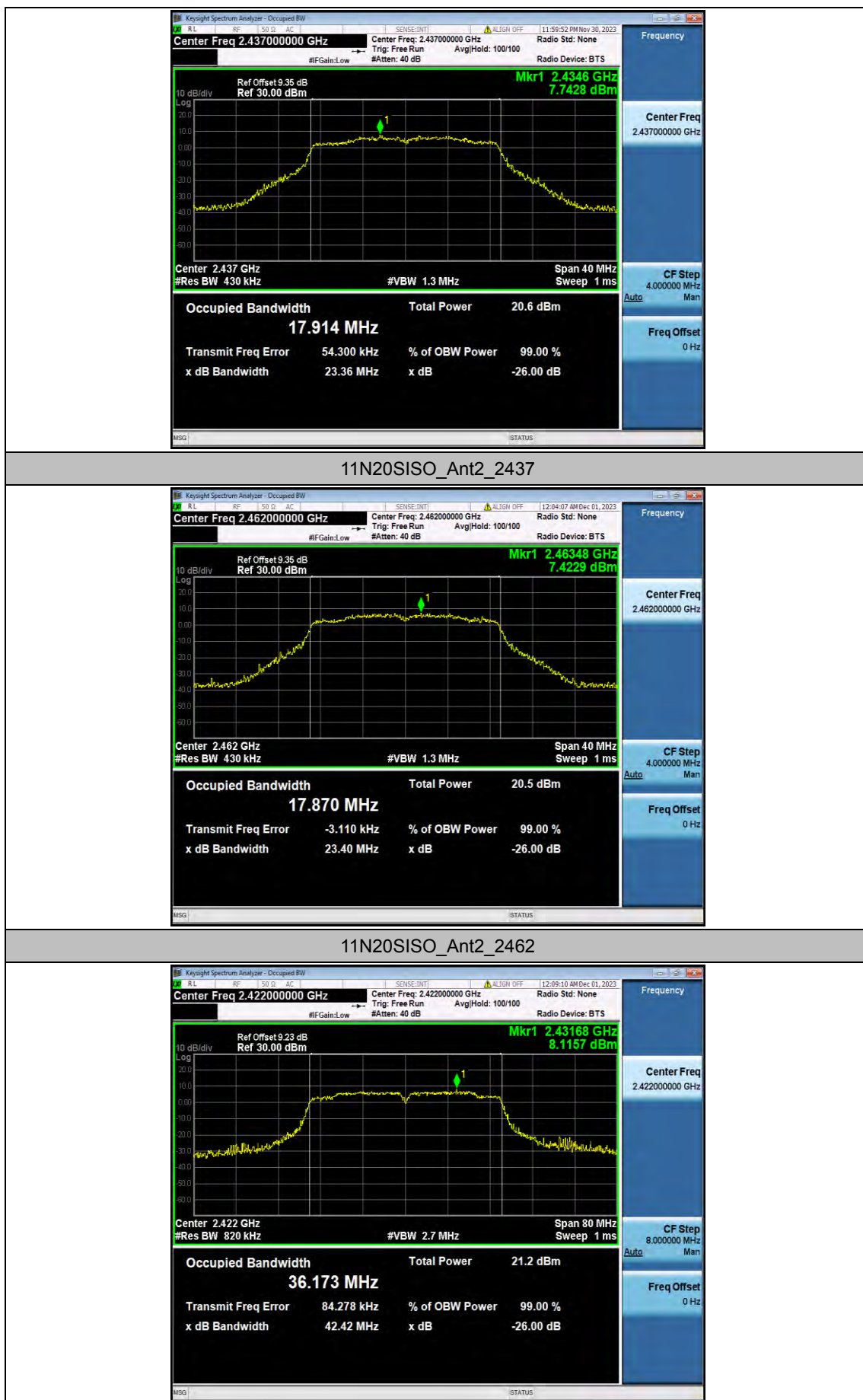
## 11G\_Ant2\_2437



## 11G\_Ant2\_2462



## 11N20SISO\_Ant2\_2412



## 11N40SISO\_Ant2\_2422



## 11N40SISO\_Ant2\_2437



## 11N40SISO\_Ant2\_2452

## Appendix C.3: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency[MHz] | Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------------|---------|
| 11B       | Ant2    | 2412           | 17.33           | ≤30.00               | PASS    |
|           |         | 2437           | 17.63           | ≤30.00               | PASS    |
|           |         | 2462           | 17.59           | ≤30.00               | PASS    |
| 11G       | Ant2    | 2412           | 21.39           | ≤30.00               | PASS    |
|           |         | 2437           | 21.86           | ≤30.00               | PASS    |
|           |         | 2462           | 21.64           | ≤30.00               | PASS    |
| 11N20SISO | Ant2    | 2412           | 21.39           | ≤30.00               | PASS    |
|           |         | 2437           | 21.78           | ≤30.00               | PASS    |
|           |         | 2462           | 21.51           | ≤30.00               | PASS    |
| 11N40SISO | Ant2    | 2422           | 21.51           | ≤30.00               | PASS    |
|           |         | 2437           | 18.71           | ≤30.00               | PASS    |
|           |         | 2452           | 18.86           | ≤30.00               | PASS    |

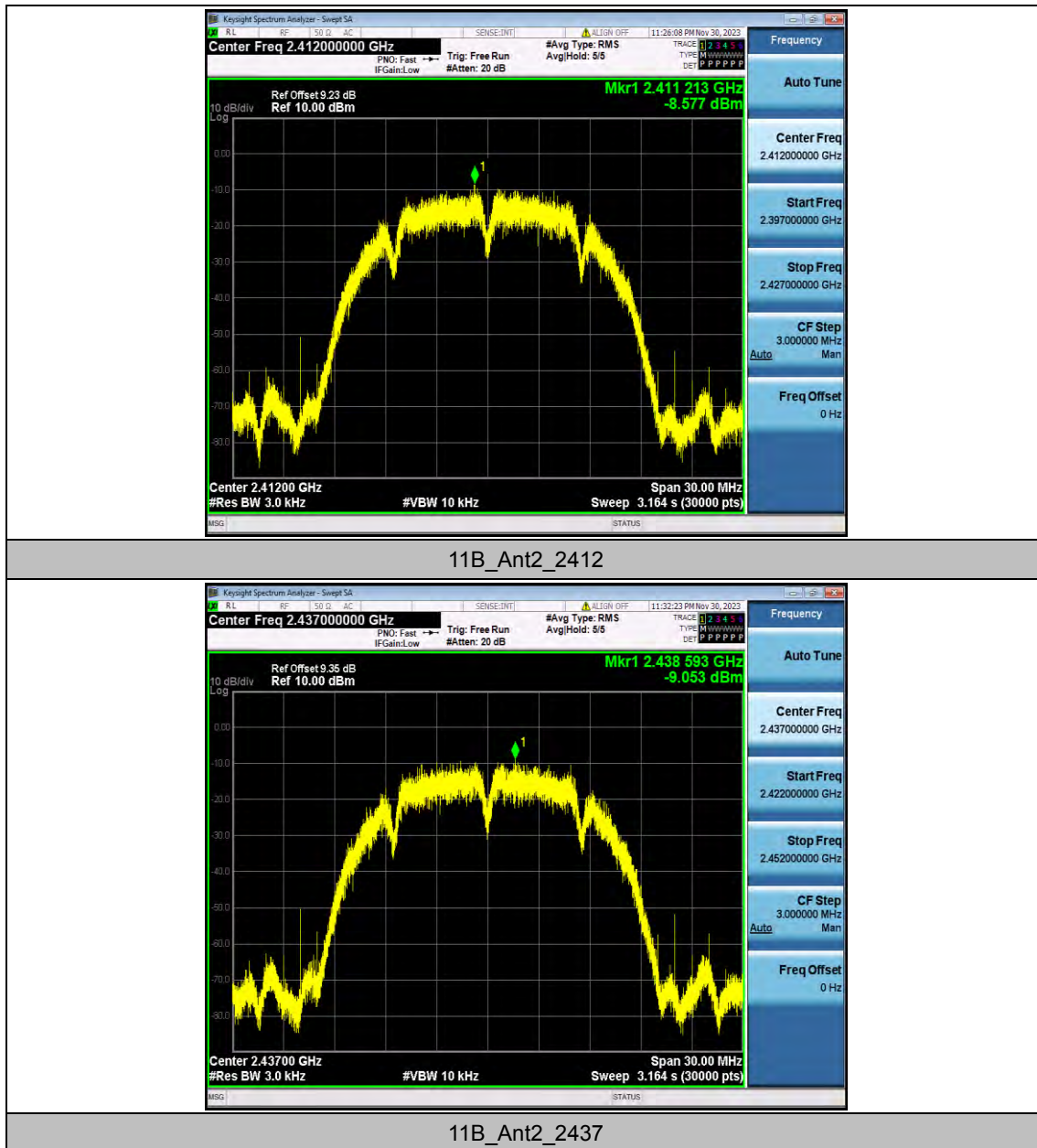


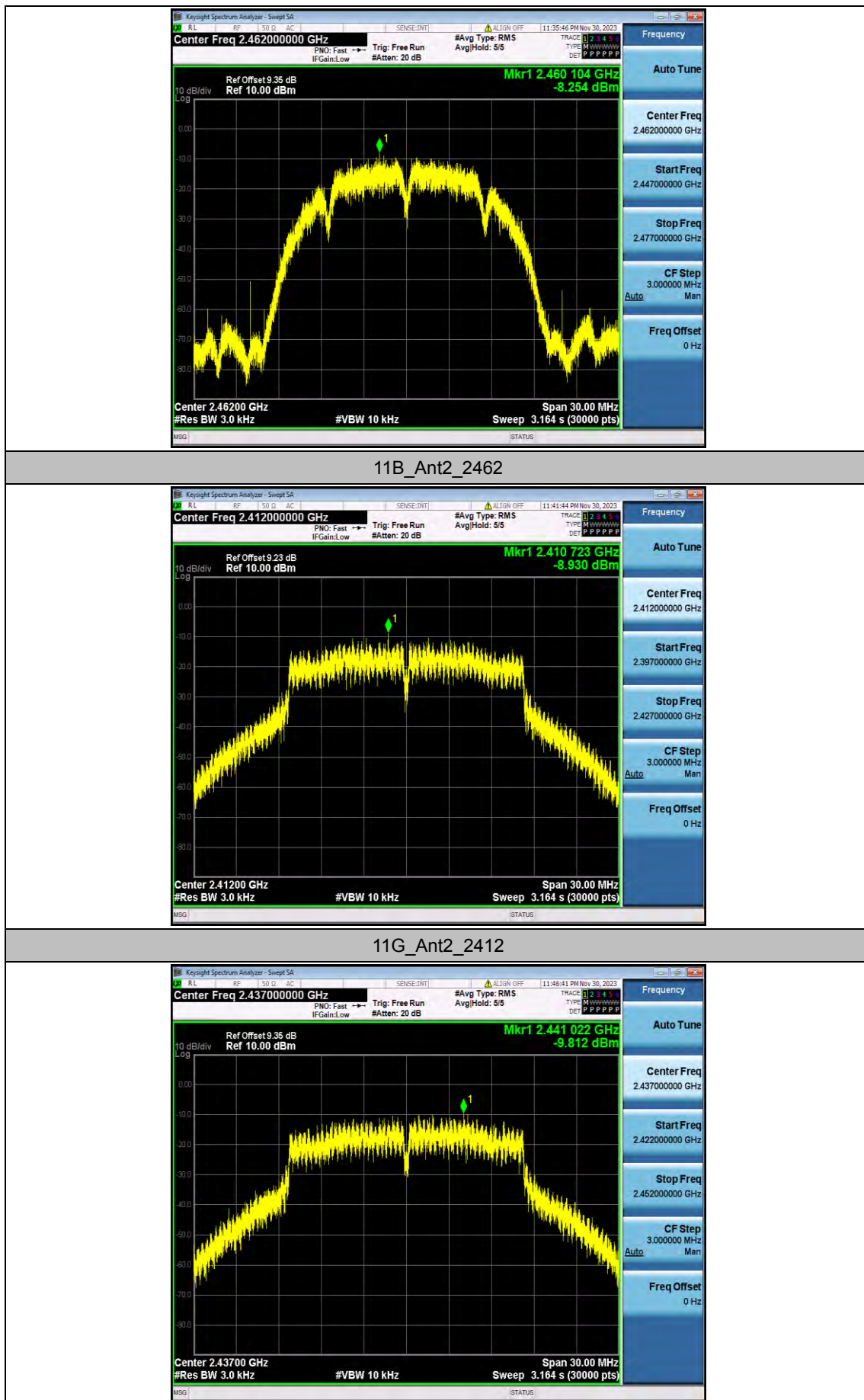
## Appendix C.4: Maximum power spectral density

### Test Result

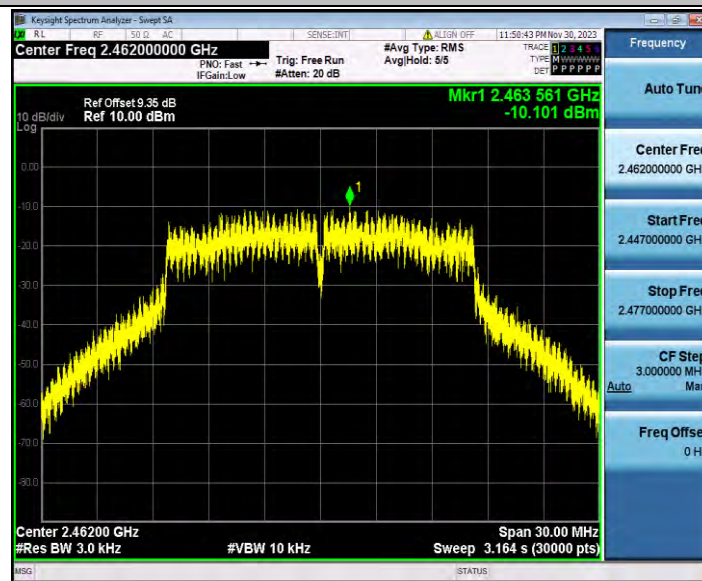
| Test Mode | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant2    | 2412           | -8.58                | ≤8.00           | PASS    |
|           |         | 2437           | -9.05                | ≤8.00           | PASS    |
|           |         | 2462           | -8.25                | ≤8.00           | PASS    |
| 11G       | Ant2    | 2412           | -8.93                | ≤8.00           | PASS    |
|           |         | 2437           | -9.81                | ≤8.00           | PASS    |
|           |         | 2462           | -10.1                | ≤8.00           | PASS    |
| 11N20SISO | Ant2    | 2412           | -10.42               | ≤8.00           | PASS    |
|           |         | 2437           | -9.85                | ≤8.00           | PASS    |
|           |         | 2462           | -10.33               | ≤8.00           | PASS    |
| 11N40SISO | Ant2    | 2422           | -13.61               | ≤8.00           | PASS    |
|           |         | 2437           | -16.24               | ≤8.00           | PASS    |
|           |         | 2452           | -16.54               | ≤8.00           | PASS    |

## Test Graphs

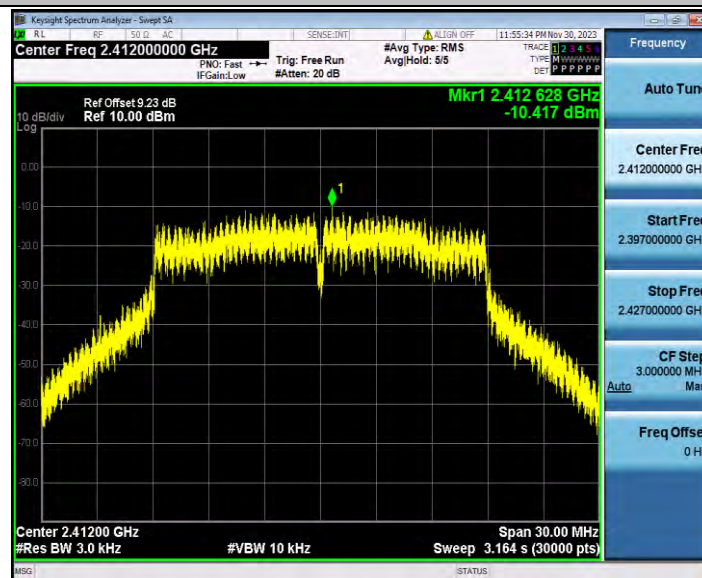




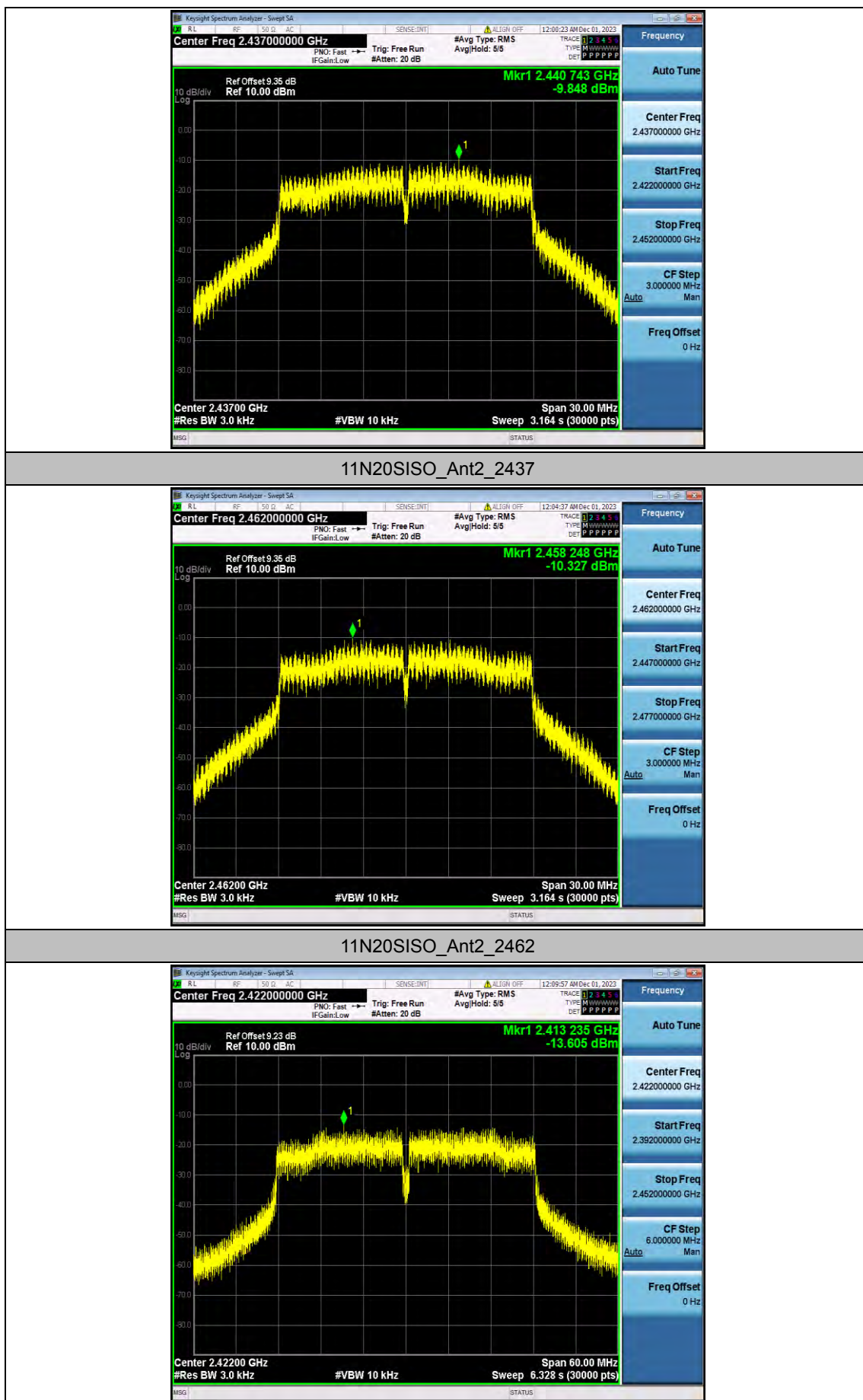
11G\_Ant2\_2437



11G\_Ant2\_2462

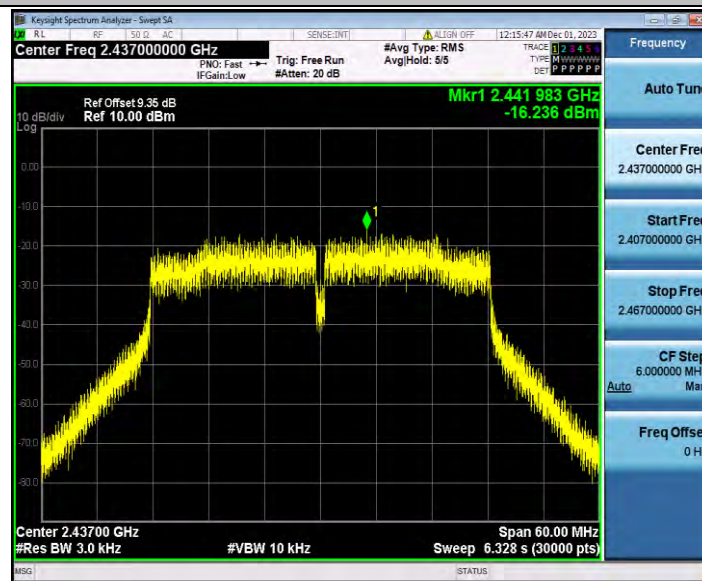


11N20SISO\_Ant2\_2412

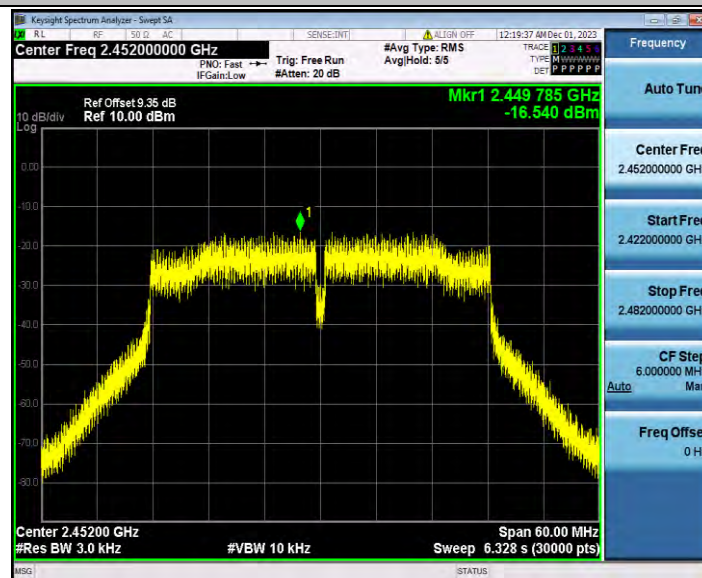




11N40SISO\_Ant2\_2422



11N40SISO\_Ant2\_2437



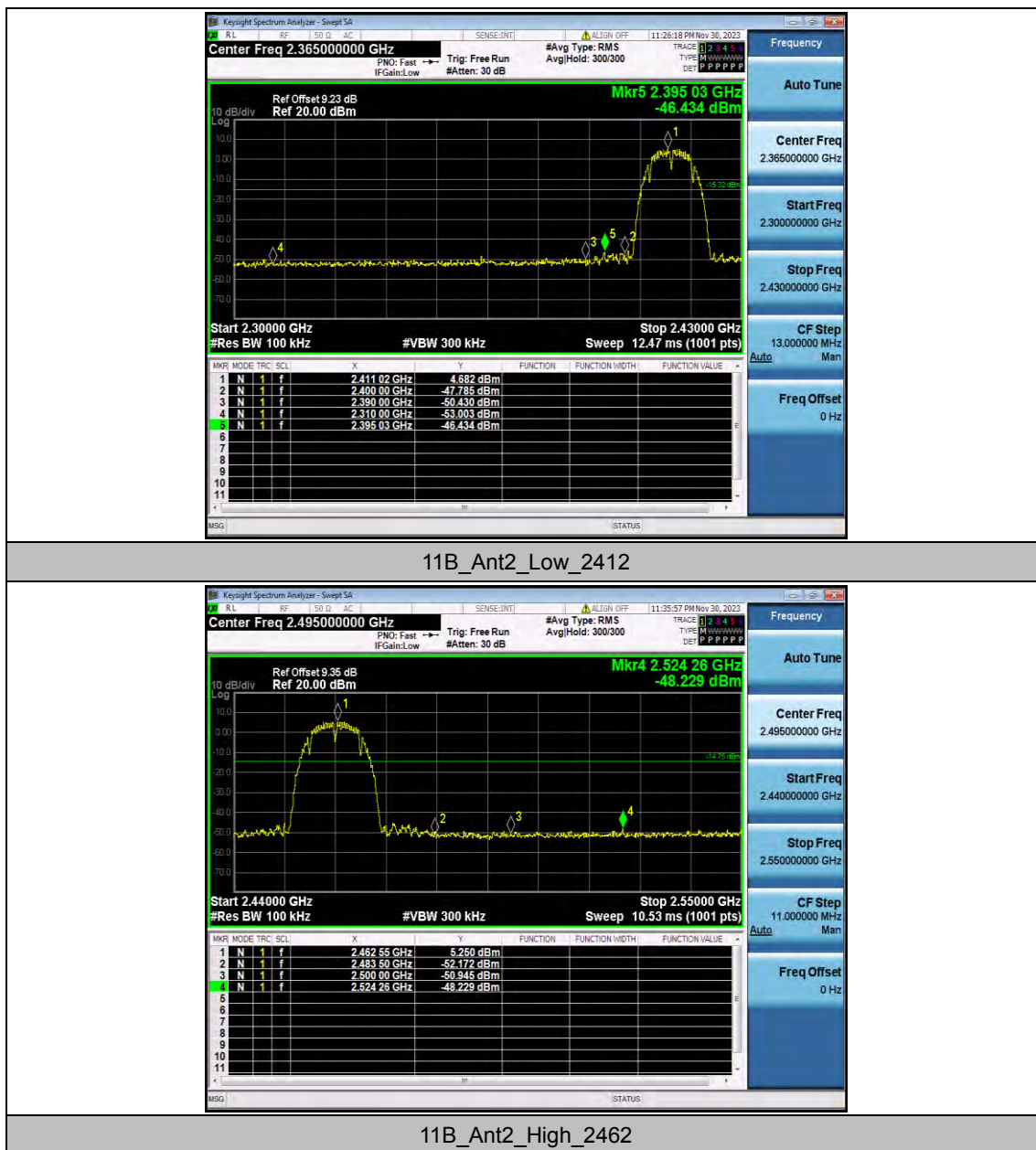
11N40SISO\_Ant2\_2452

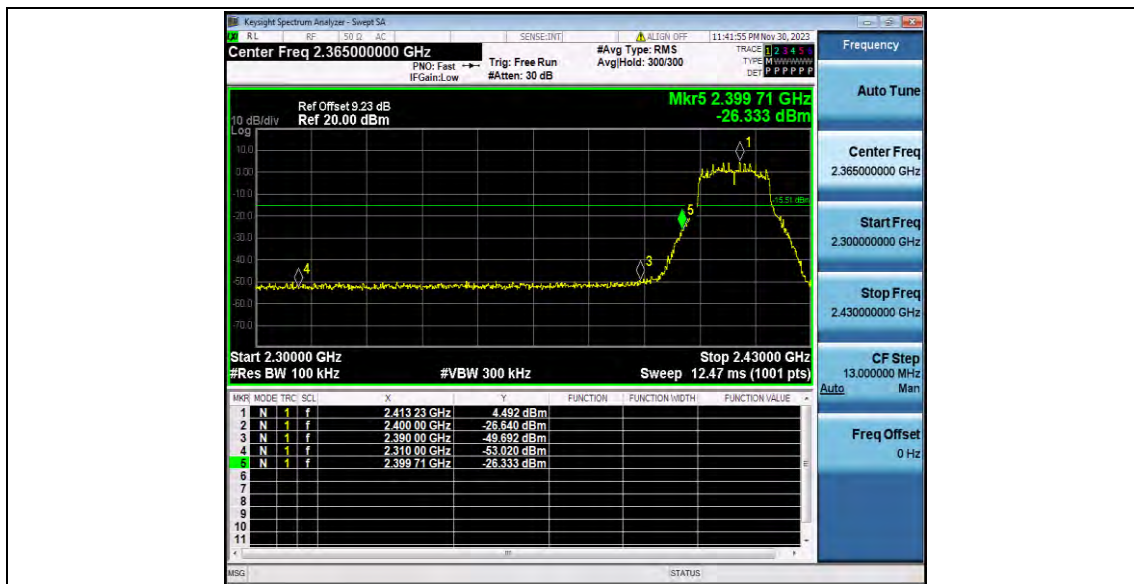
## Appendix C.5: Band edge measurements

### Test Result

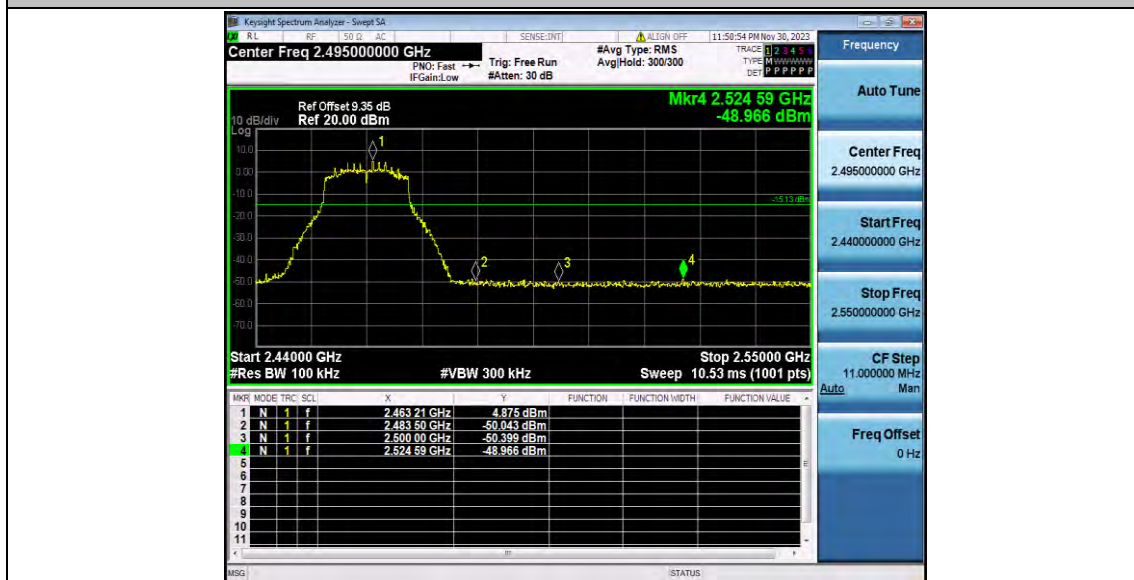
| Test Mode | Antenna | ChName | Frequency<br>[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|--------------------|---------------|-------------|---------------|---------|
| 11B       | Ant2    | Low    | 2412               | 4.68          | -46.43      | $\leq -15.32$ | PASS    |
|           |         | High   | 2462               | 5.25          | -48.23      | $\leq -14.75$ | PASS    |
| 11G       | Ant2    | Low    | 2412               | 4.49          | -26.33      | $\leq -15.51$ | PASS    |
|           |         | High   | 2462               | 4.88          | -48.97      | $\leq -15.13$ | PASS    |
| 11N20SISO | Ant2    | Low    | 2412               | 4.47          | -25.89      | $\leq -15.53$ | PASS    |
|           |         | High   | 2462               | 4.77          | -47.79      | $\leq -15.23$ | PASS    |
| 11N40SISO | Ant2    | Low    | 2422               | 0.80          | -28.05      | $\leq -19.2$  | PASS    |
|           |         | High   | 2452               | -1.38         | -48.32      | $\leq -21.38$ | PASS    |

## Test Graphs

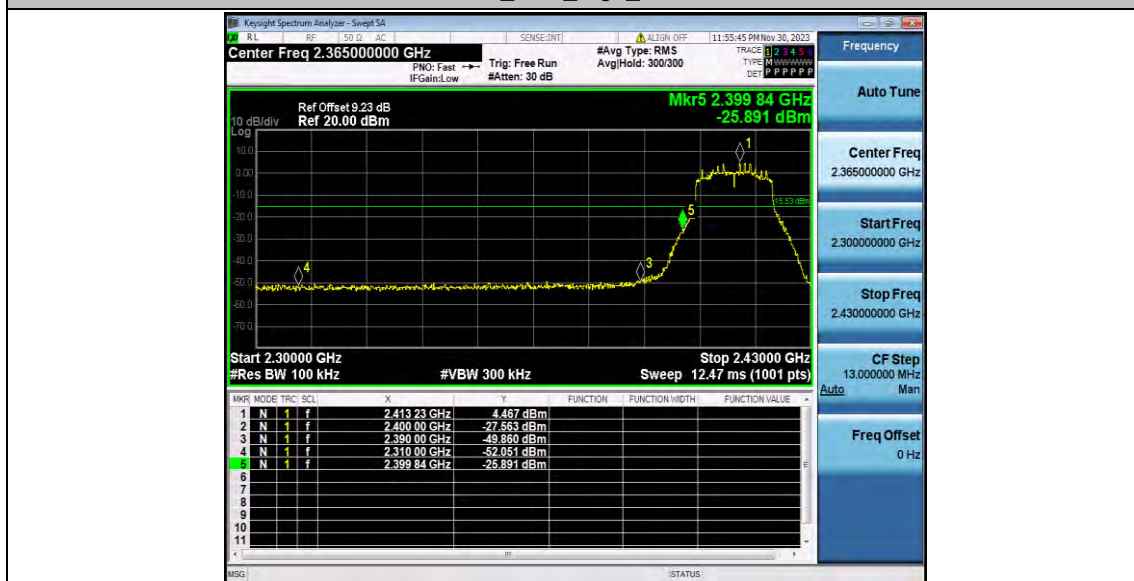




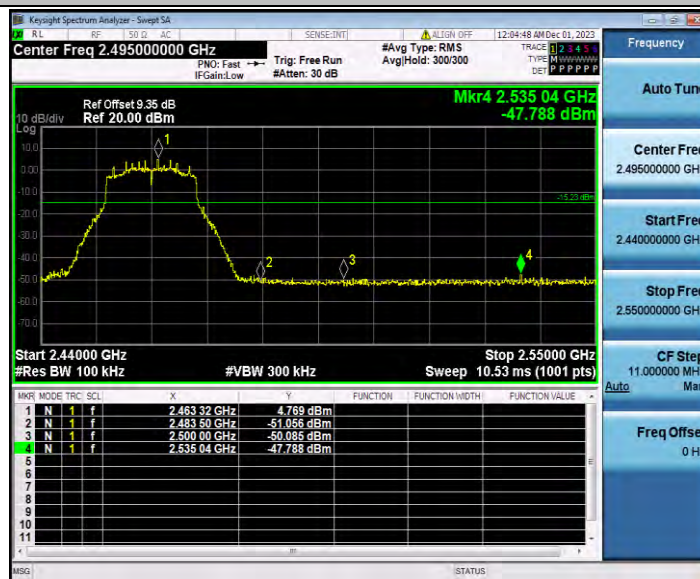
11G\_Ant2\_Low\_2412



11G\_Ant2\_High\_2462



## 11N20SISO\_Ant2\_Low\_2412



## 11N20SISO\_Ant2\_High\_2462



## 11N40SISO\_Ant2\_Low\_2422



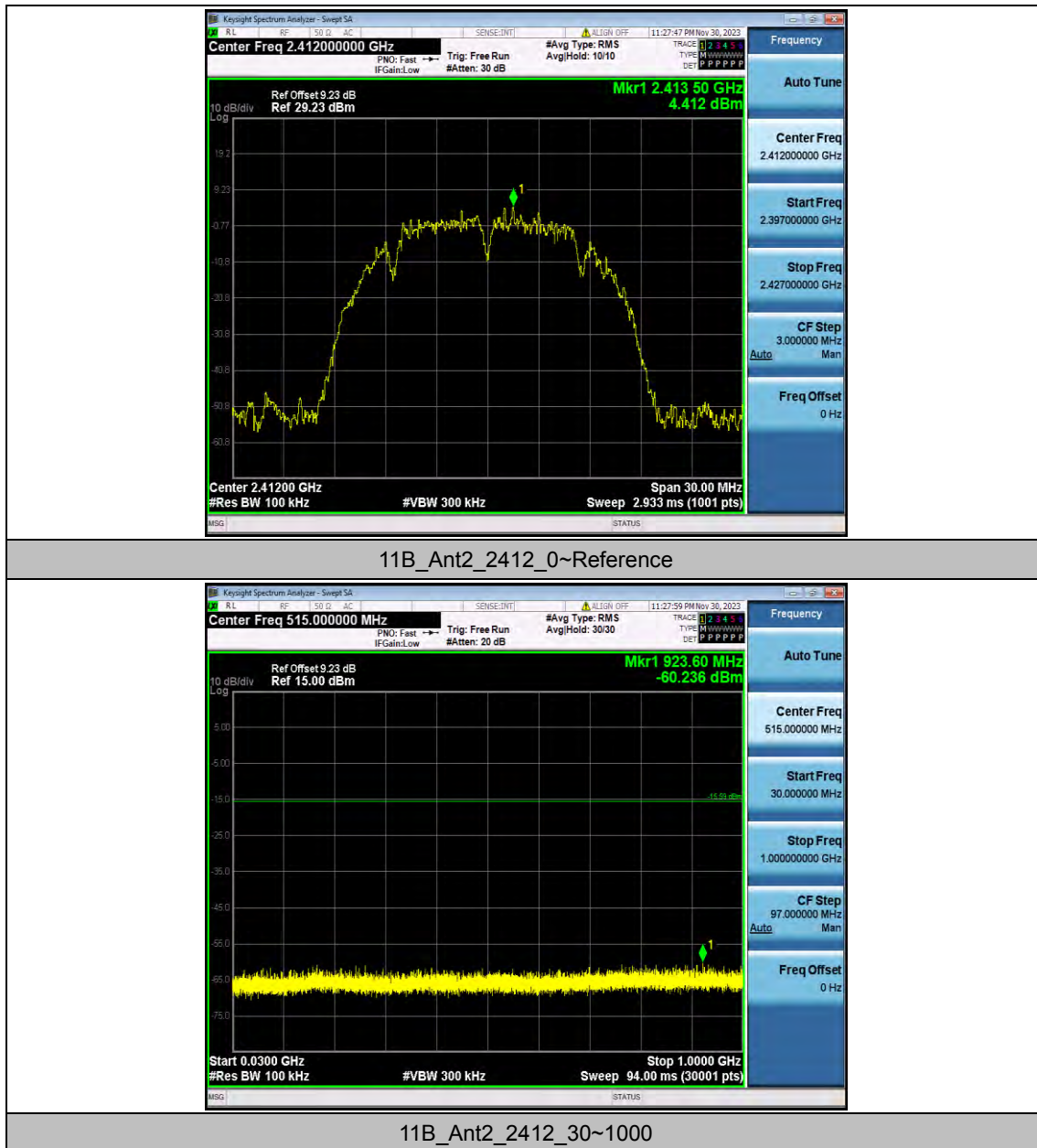


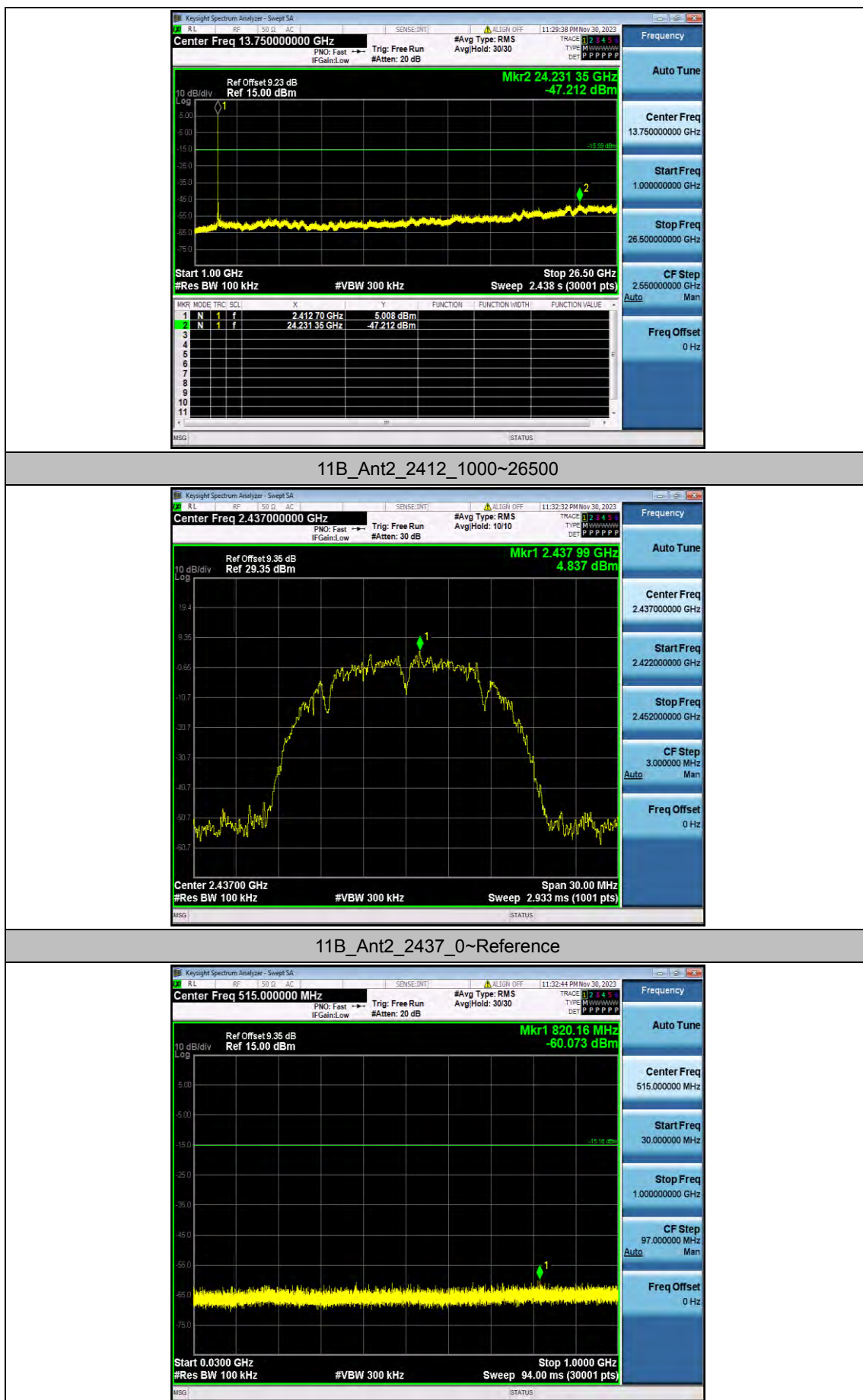
## Appendix C.6: Conducted Spurious Emission

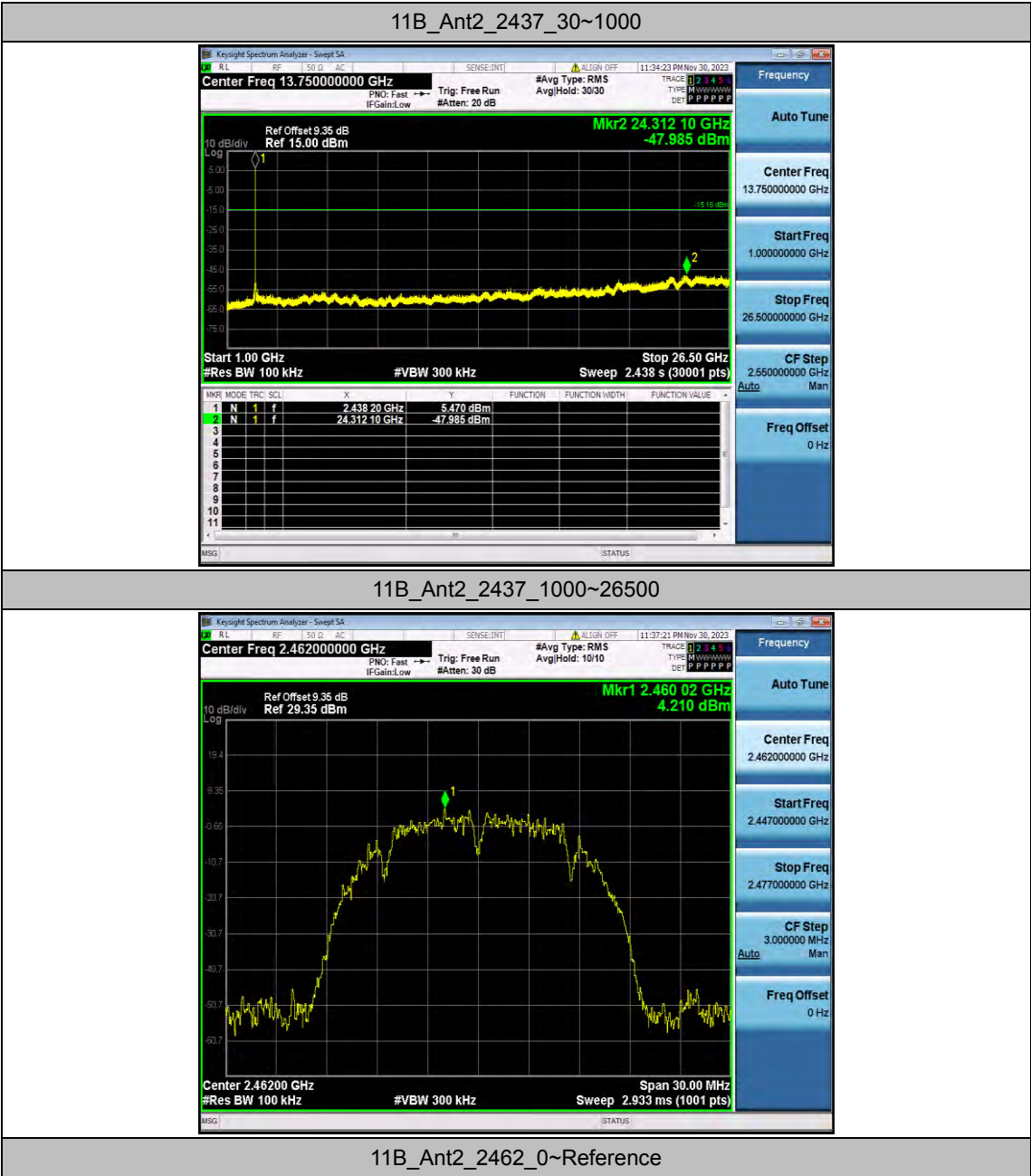
### Test Result

| Test Mode | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| 11B       | Ant2    | 2412           | Reference       | 4.41           | 4.41         | ---           | PASS    |
|           |         |                | 30~1000         | 4.41           | -60.24       | $\leq -15.59$ | PASS    |
|           |         |                | 1000~26500      | 4.41           | -47.21       | $\leq -15.59$ | PASS    |
|           |         | 2437           | Reference       | 4.84           | 4.84         | ---           | PASS    |
|           |         |                | 30~1000         | 4.84           | -60.07       | $\leq -15.16$ | PASS    |
|           |         |                | 1000~26500      | 4.84           | -47.99       | $\leq -15.16$ | PASS    |
|           |         | 2462           | Reference       | 4.21           | 4.21         | ---           | PASS    |
|           |         |                | 30~1000         | 4.21           | -60.33       | $\leq -15.79$ | PASS    |
|           |         |                | 1000~26500      | 4.21           | -46.77       | $\leq -15.79$ | PASS    |
| 11G       | Ant2    | 2412           | Reference       | 1.58           | 1.58         | ---           | PASS    |
|           |         |                | 30~1000         | 1.58           | -60.19       | $\leq -18.42$ | PASS    |
|           |         |                | 1000~26500      | 1.58           | -46.87       | $\leq -18.42$ | PASS    |
|           |         | 2437           | Reference       | 2.07           | 2.07         | ---           | PASS    |
|           |         |                | 30~1000         | 2.07           | -50.88       | $\leq -17.93$ | PASS    |
|           |         |                | 1000~26500      | 2.07           | -46.95       | $\leq -17.93$ | PASS    |
|           |         | 2462           | Reference       | 0.88           | 0.88         | ---           | PASS    |
|           |         |                | 30~1000         | 0.88           | -60.61       | $\leq -19.12$ | PASS    |
|           |         |                | 1000~26500      | 0.88           | -47.5        | $\leq -19.12$ | PASS    |
| 11N20SISO | Ant2    | 2412           | Reference       | 1.62           | 1.62         | ---           | PASS    |
|           |         |                | 30~1000         | 1.62           | -60.53       | $\leq -18.38$ | PASS    |
|           |         |                | 1000~26500      | 1.62           | -46.84       | $\leq -18.38$ | PASS    |
|           |         | 2437           | Reference       | 3.90           | 3.90         | ---           | PASS    |
|           |         |                | 30~1000         | 3.90           | -60.35       | $\leq -16.1$  | PASS    |
|           |         |                | 1000~26500      | 3.90           | -47.67       | $\leq -16.1$  | PASS    |
|           |         | 2462           | Reference       | 1.25           | 1.25         | ---           | PASS    |
|           |         |                | 30~1000         | 1.25           | -60.37       | $\leq -18.75$ | PASS    |
|           |         |                | 1000~26500      | 1.25           | -47.44       | $\leq -18.75$ | PASS    |
| 11N40SISO | Ant2    | 2422           | Reference       | 0.11           | 0.11         | ---           | PASS    |
|           |         |                | 30~1000         | 0.11           | -60.43       | $\leq -19.89$ | PASS    |
|           |         |                | 1000~26500      | 0.11           | -48.02       | $\leq -19.89$ | PASS    |
|           |         | 2437           | Reference       | -1.52          | -1.52        | ---           | PASS    |
|           |         |                | 30~1000         | -1.52          | -60.24       | $\leq -21.52$ | PASS    |
|           |         |                | 1000~26500      | -1.52          | -47.44       | $\leq -21.52$ | PASS    |
|           |         | 2452           | Reference       | -3.19          | -3.19        | ---           | PASS    |
|           |         |                | 30~1000         | -3.19          | -60.47       | $\leq -23.19$ | PASS    |
|           |         |                | 1000~26500      | -3.19          | -47.74       | $\leq -23.19$ | PASS    |

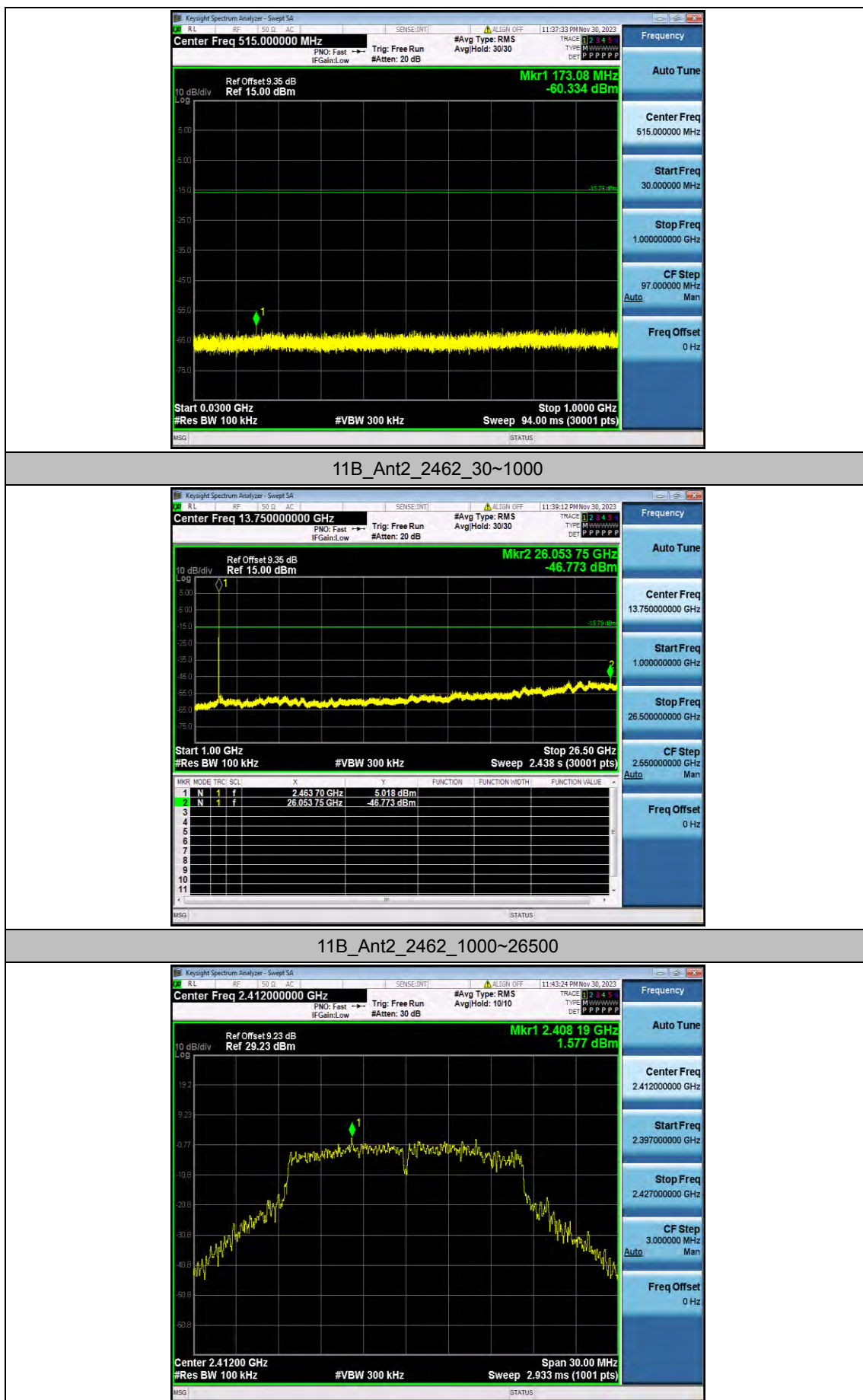
## Test Graphs



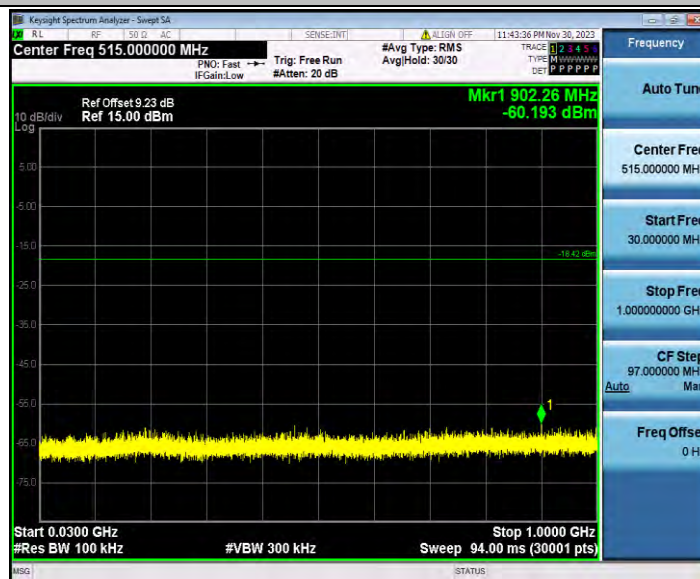








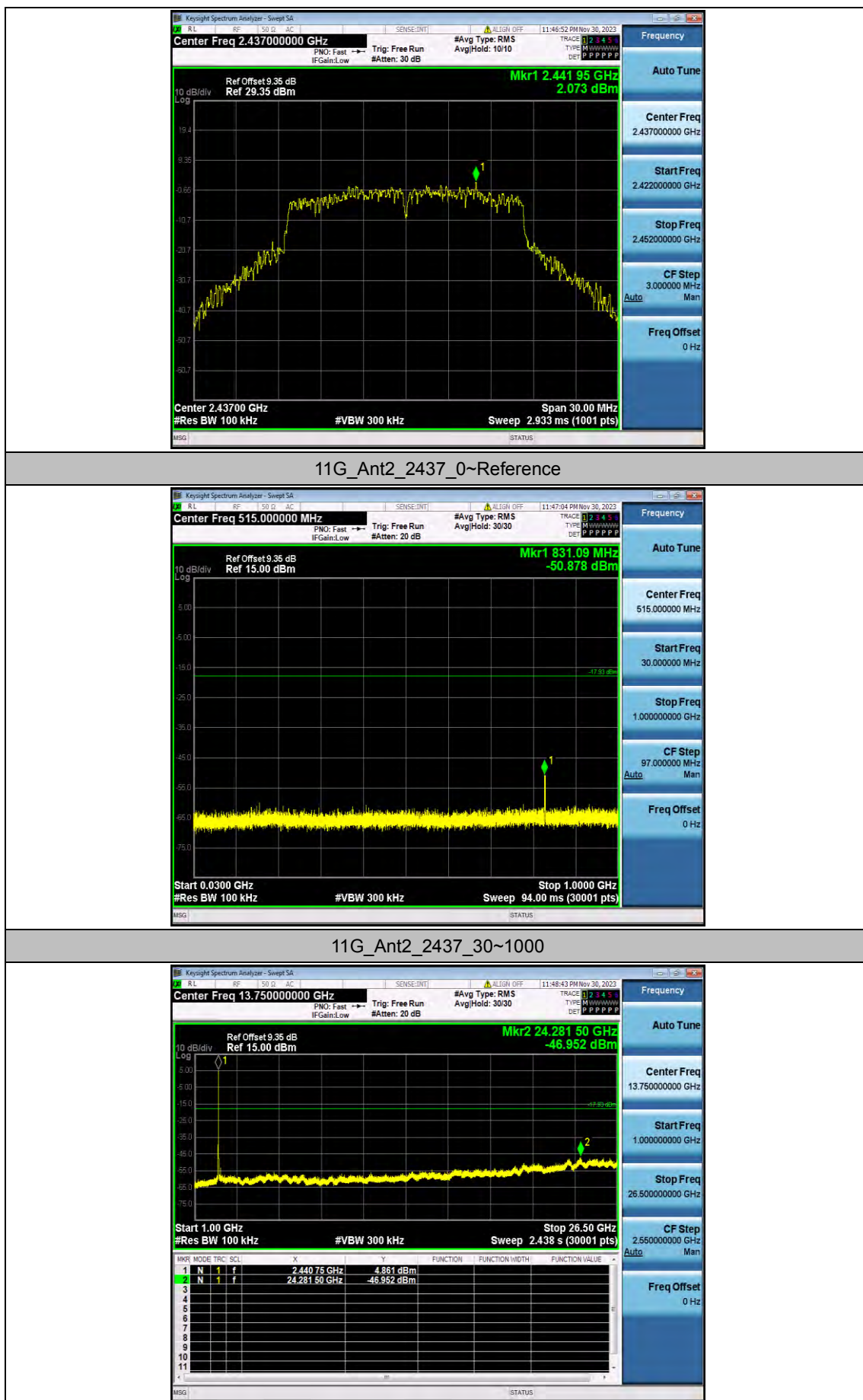
## 11G\_Ant2\_2412\_0~Reference



## 11G\_Ant2\_2412\_30~1000



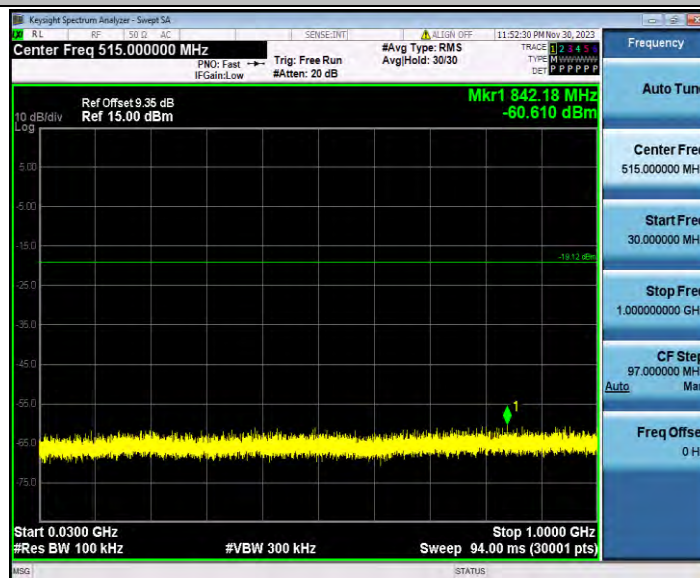
## 11G\_Ant2\_2412\_1000~26500



## 11G\_Ant2\_2437\_1000~26500

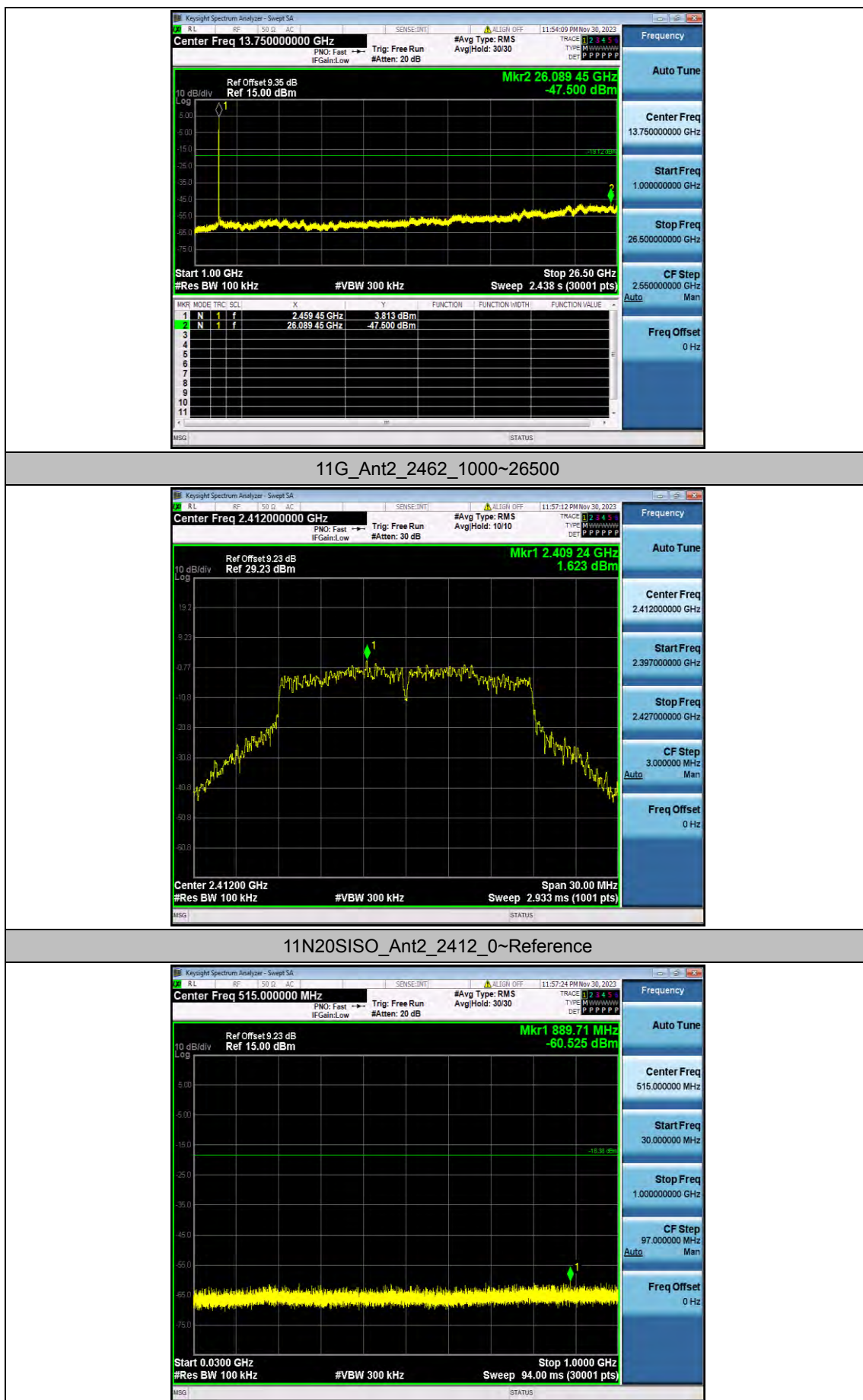


## 11G\_Ant2\_2462\_0~Reference



## 11G\_Ant2\_2462\_30~1000







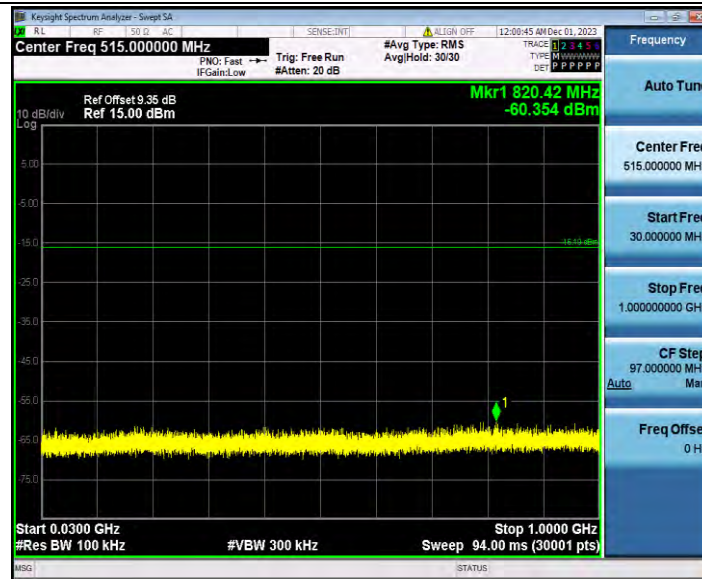
## 11N20SISO\_Ant2\_2412\_30~1000



## 11N20SISO\_Ant2\_2412\_1000~26500



## 11N20SISO\_Ant2\_2437\_0~Reference



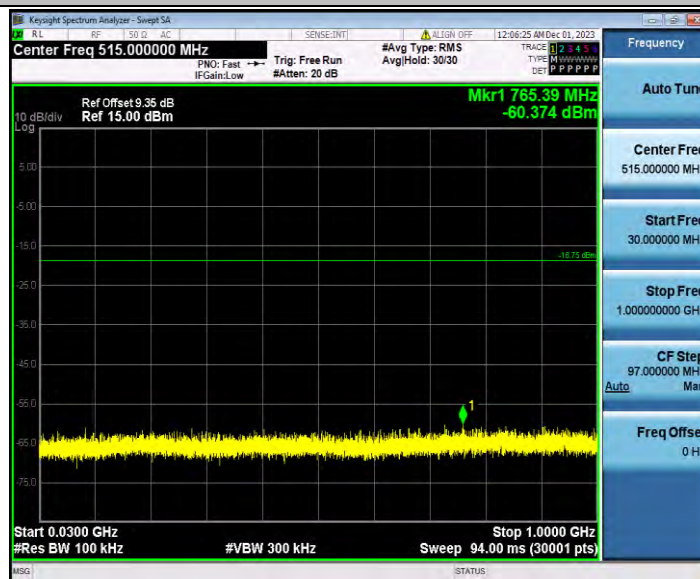
11N20SISO\_Ant2\_2437\_30~1000



11N20SISO\_Ant2\_2437\_1000~26500



## 11N20SISO\_Ant2\_2462\_0~Reference



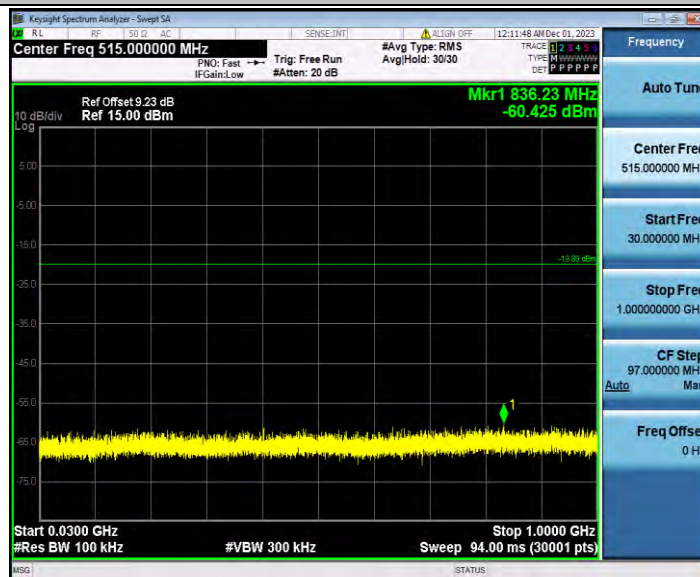
## 11N20SISO\_Ant2\_2462\_30~1000



## 11N20SISO\_Ant2\_2462\_1000~26500



11N40SISO\_Ant2\_2422\_0~Reference



11N40SISO\_Ant2\_2422\_30~1000

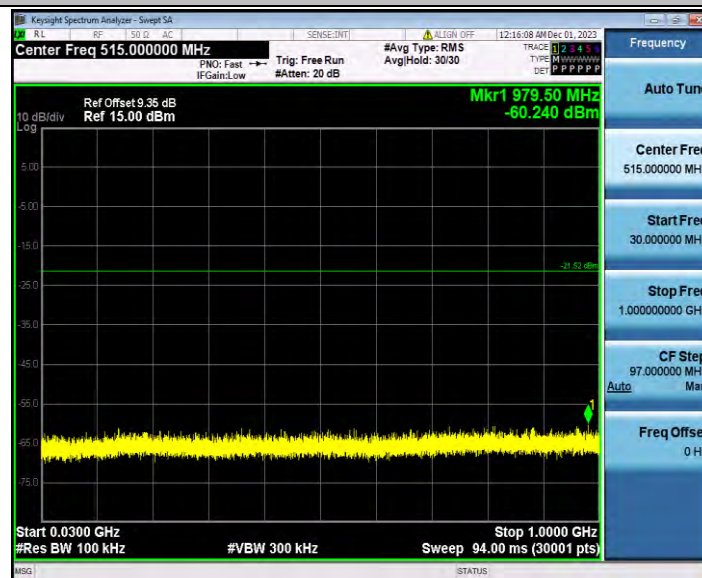




## 11N40SISO\_Ant2\_2422\_1000~26500



## 11N40SISO\_Ant2\_2437\_0~Reference



## 11N40SISO\_Ant2\_2437\_30~1000



