

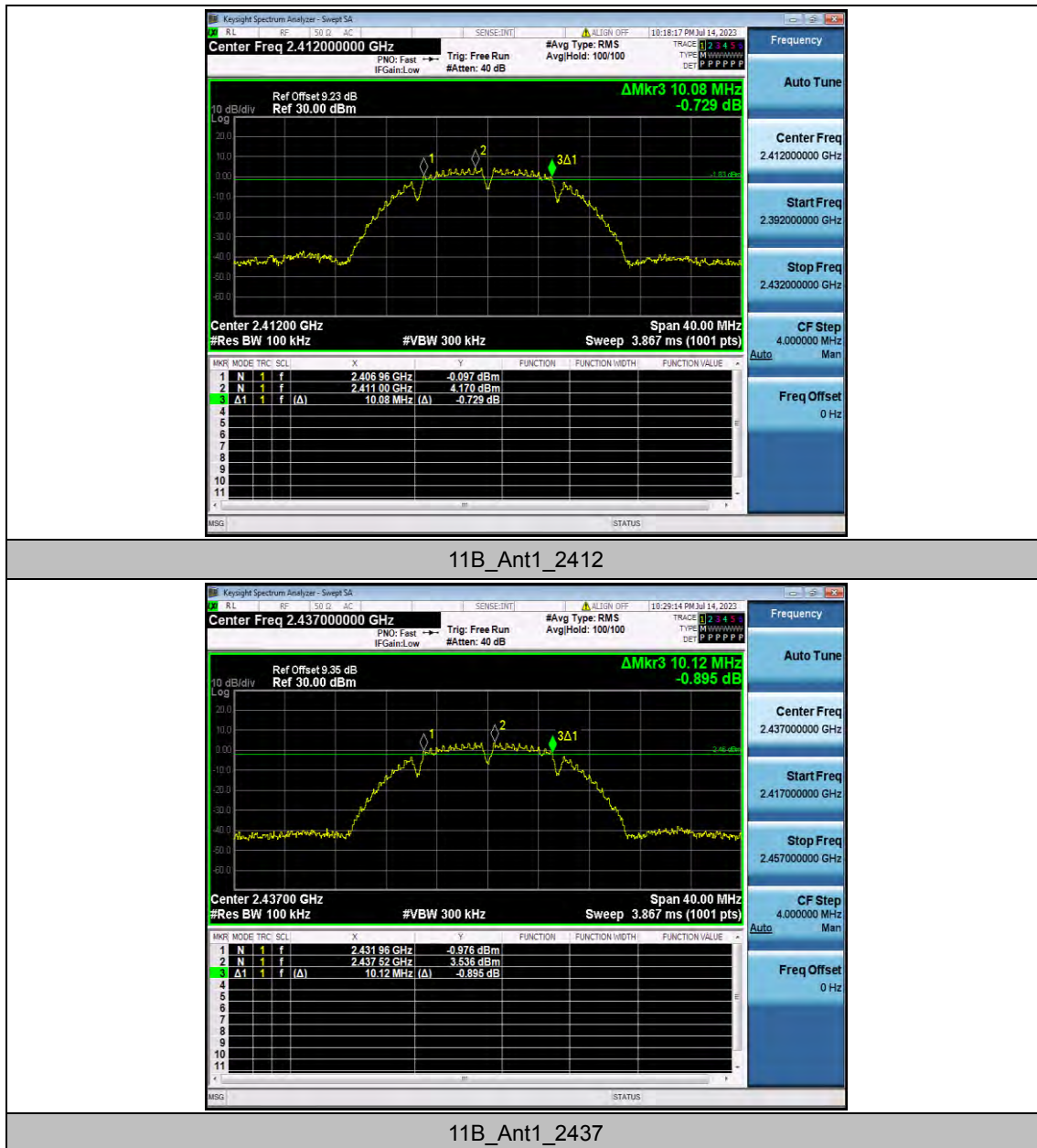
|                                                                       |                                          |
|-----------------------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20230629015-1-12</u>                          |                                          |
| <b>Ambient Condition:</b> <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa, |                                          |
| <b>Test Date:</b> <u>2023.7.14</u>                                    | <b>Test Engineer:</b> <u>Evan Ouyang</u> |

## Appendix C.1: DTS Bandwidth

### Test Result

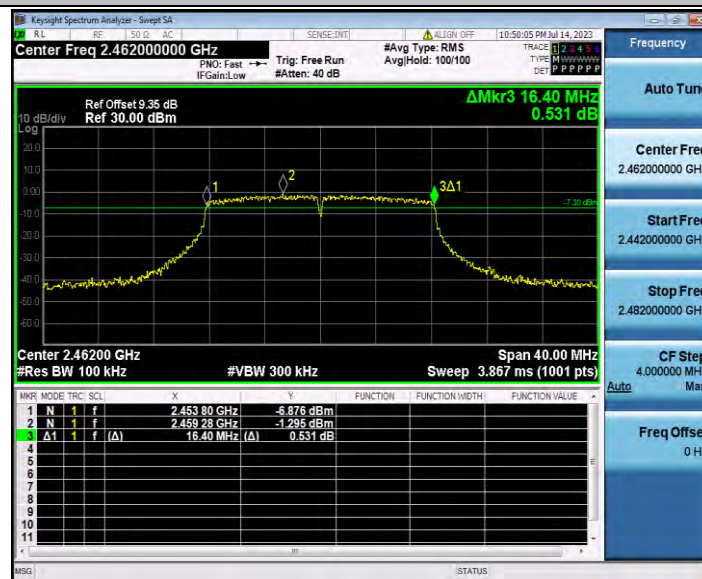
| Test Mode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412           | 10.080       | 2406.960 | 2417.040 | 0.5        | PASS    |
|           |         | 2437           | 10.120       | 2431.960 | 2442.080 | 0.5        | PASS    |
|           |         | 2462           | 10.080       | 2457.000 | 2467.080 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 16.400       | 2403.800 | 2420.200 | 0.5        | PASS    |
|           |         | 2437           | 16.400       | 2428.800 | 2445.200 | 0.5        | PASS    |
|           |         | 2462           | 16.400       | 2453.800 | 2470.200 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 17.600       | 2403.200 | 2420.800 | 0.5        | PASS    |
|           |         | 2437           | 17.600       | 2428.200 | 2445.800 | 0.5        | PASS    |
|           |         | 2462           | 17.600       | 2453.200 | 2470.800 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422           | 36.400       | 2403.840 | 2440.240 | 0.5        | PASS    |
|           |         | 2437           | 36.400       | 2418.840 | 2455.240 | 0.5        | PASS    |
|           |         | 2452           | 36.320       | 2433.840 | 2470.160 | 0.5        | PASS    |

## Test Graphs

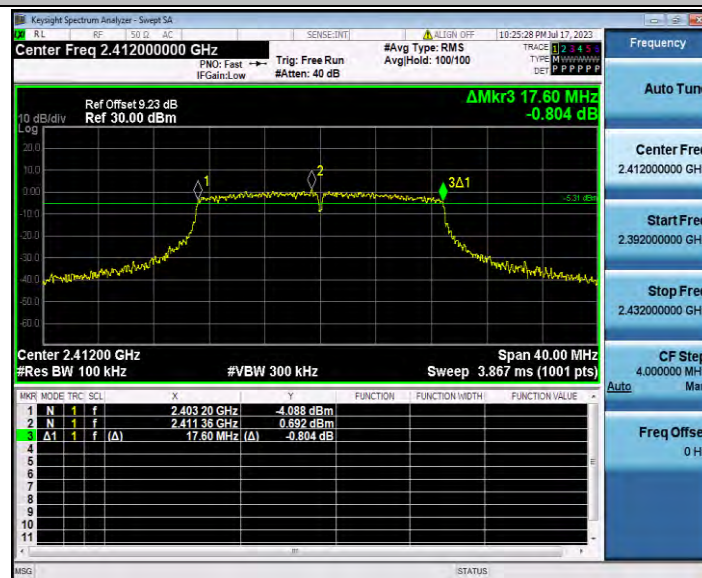




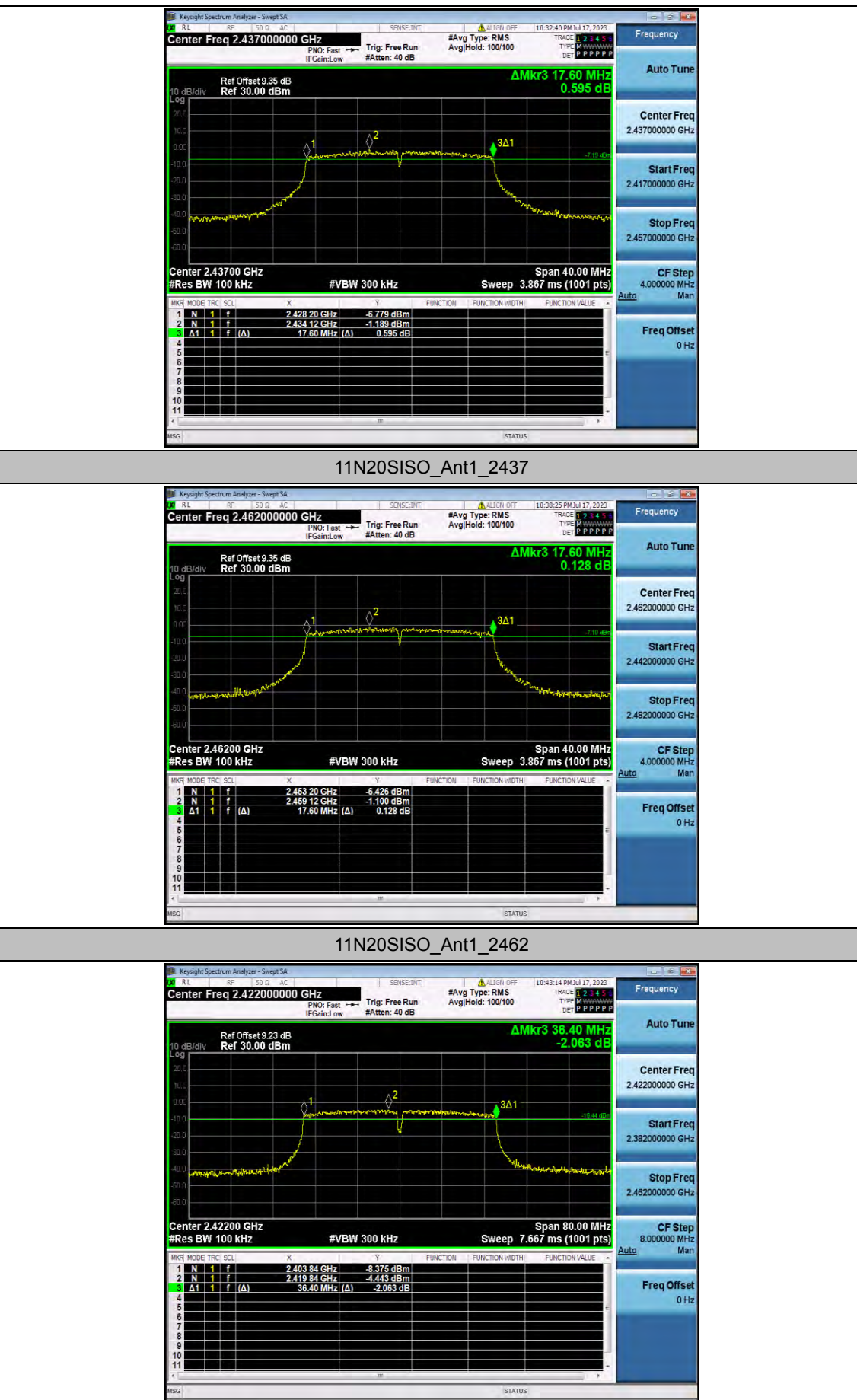
## 11G\_Ant1\_2437



## 11G\_Ant1\_2462



## 11N20SISO\_Ant1\_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       | Ant1    | 2412                   | 14.678    | 2404.662 | 2419.340 | ---        | ---     |
|           |         | 2437                   | 14.730    | 2429.674 | 2444.404 | ---        | ---     |
|           |         | 2462                   | 14.703    | 2454.643 | 2469.346 | ---        | ---     |
| 11G       | Ant1    | 2412                   | 16.777    | 2403.529 | 2420.306 | ---        | ---     |
|           |         | 2437                   | 16.753    | 2428.586 | 2445.339 | ---        | ---     |
|           |         | 2462                   | 16.700    | 2453.612 | 2470.312 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                   | 17.897    | 2403.041 | 2420.938 | ---        | ---     |
|           |         | 2437                   | 17.874    | 2428.093 | 2445.967 | ---        | ---     |
|           |         | 2462                   | 17.855    | 2453.080 | 2470.935 | ---        | ---     |
| 11N40SISO | Ant1    | 2422                   | 36.296    | 2403.891 | 2440.187 | ---        | ---     |
|           |         | 2437                   | 36.296    | 2418.939 | 2455.235 | ---        | ---     |
|           |         | 2452                   | 36.212    | 2433.970 | 2470.182 | ---        | ---     |

## Test Graphs



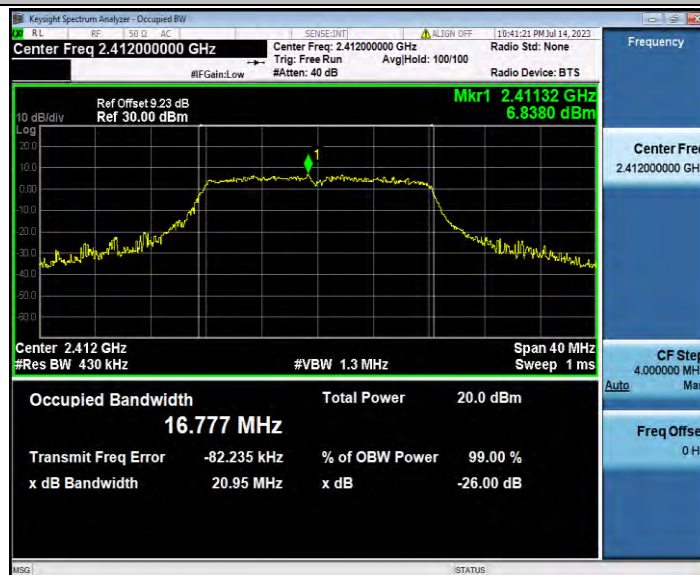
11B\_Ant1\_2412



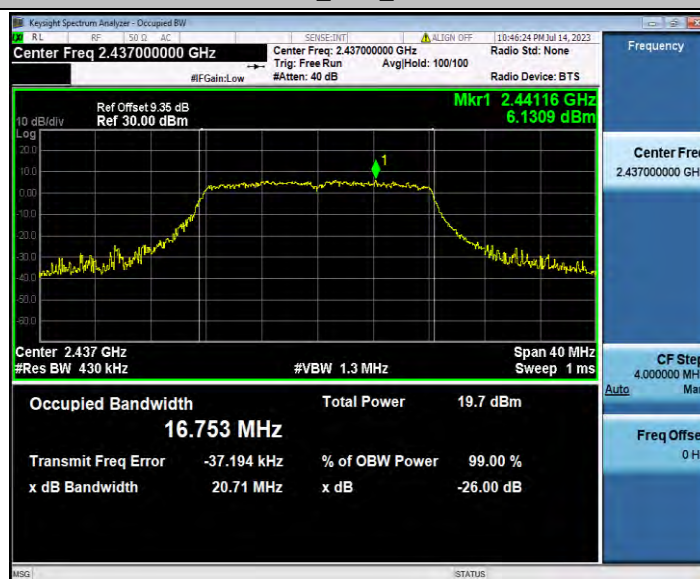
11B\_Ant1\_2437



11B\_Ant1\_2462



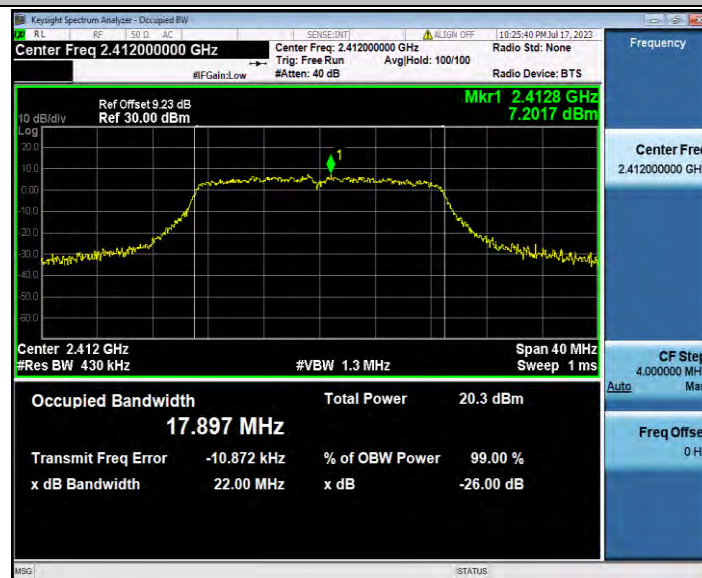
11G\_Ant1\_2412



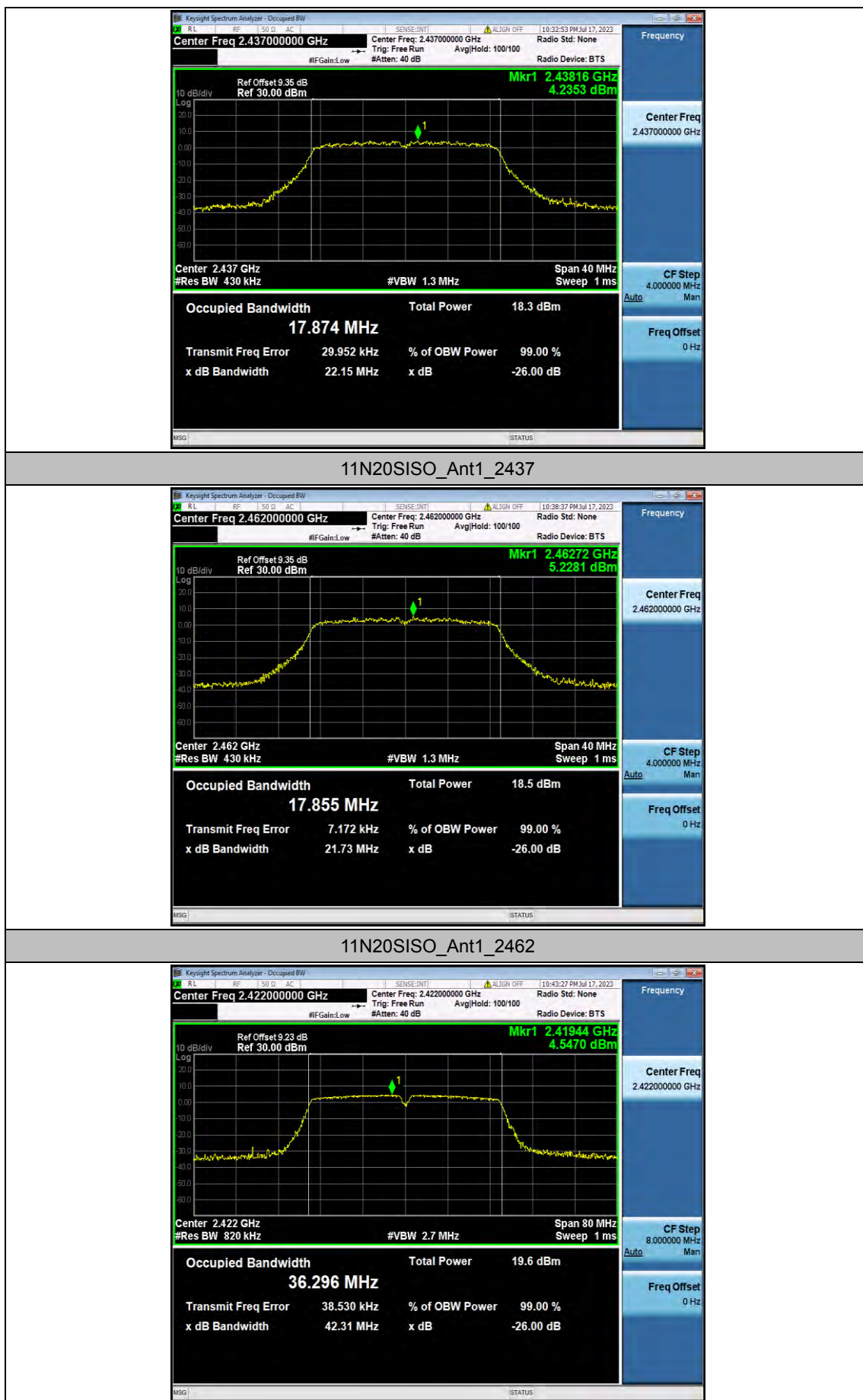
## 11G\_Ant1\_2437



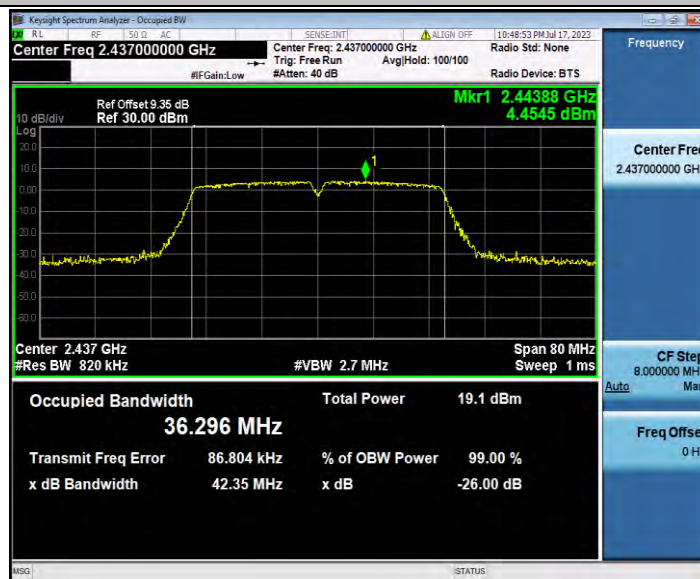
## 11G\_Ant1\_2462



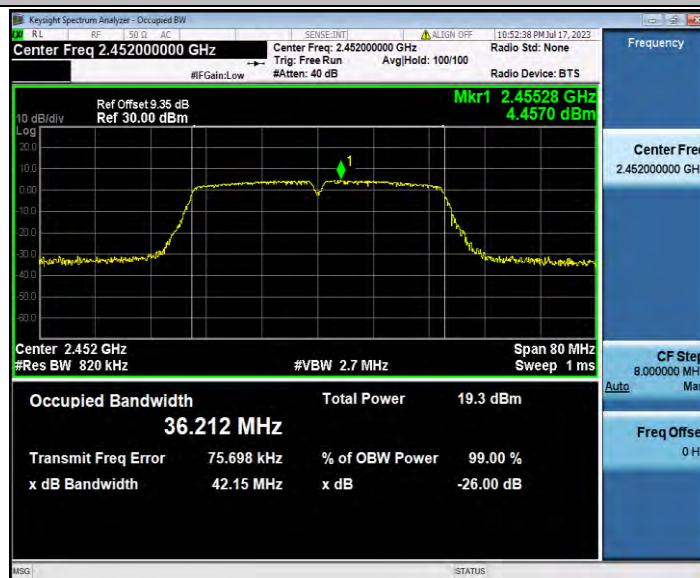
## 11N20SISO\_Ant1\_2412



## 11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452

## Appendix C.3: Maximum conducted output power

### Test Result Peak

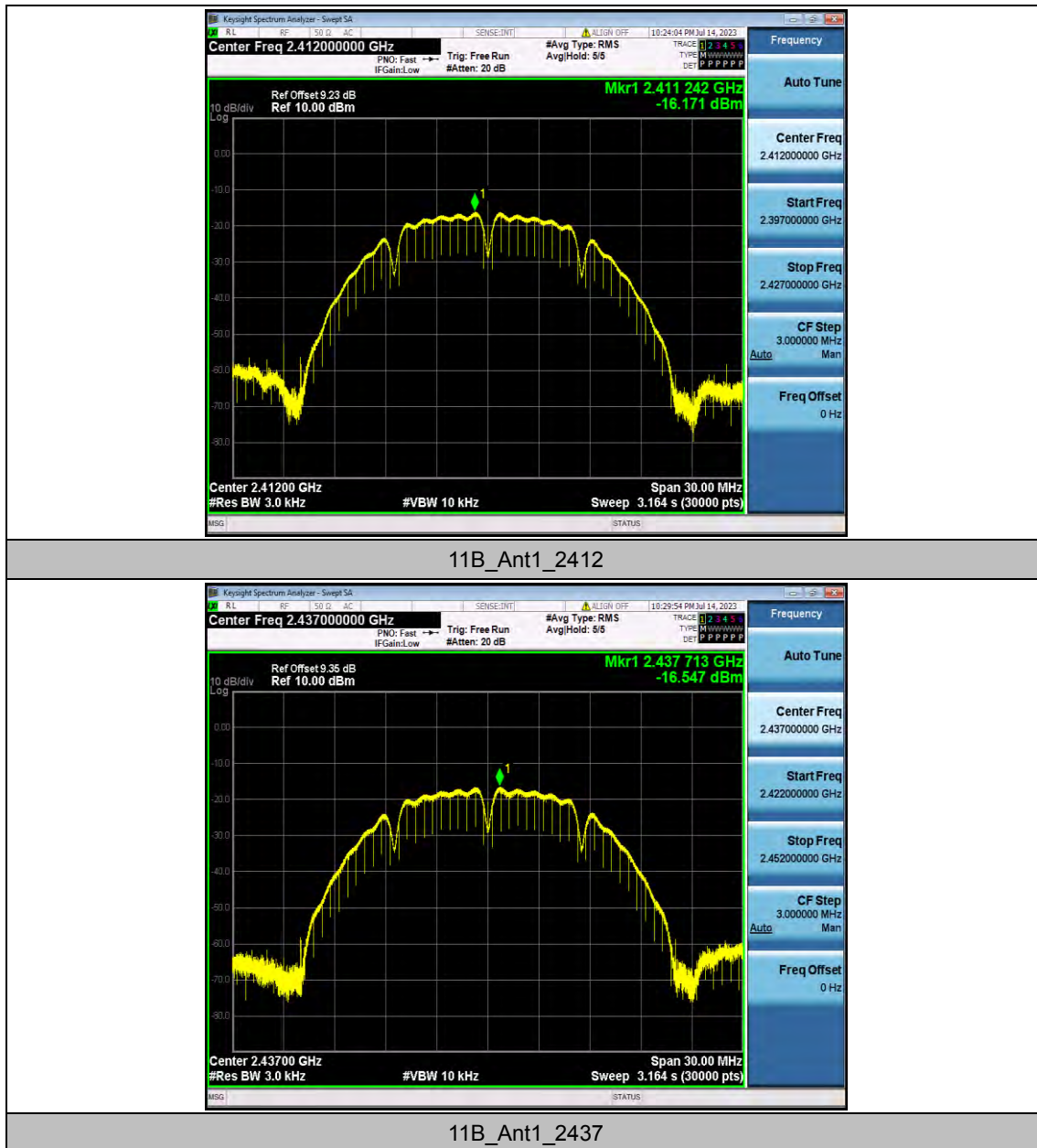
| Test Mode | Antenna | Frequency[MHz] | Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------------|---------|
| 11B       | Ant1    | 2412           | 17.25           | ≤30.00               | PASS    |
|           |         | 2437           | 16.86           | ≤30.00               | PASS    |
|           |         | 2462           | 17.09           | ≤30.00               | PASS    |
| 11G       | Ant1    | 2412           | 21.23           | ≤30.00               | PASS    |
|           |         | 2437           | 20.81           | ≤30.00               | PASS    |
|           |         | 2462           | 19.68           | ≤30.00               | PASS    |
| 11N20SISO | Ant1    | 2412           | 21.76           | ≤30.00               | PASS    |
|           |         | 2437           | 19.58           | ≤30.00               | PASS    |
|           |         | 2462           | 19.85           | ≤30.00               | PASS    |
| 11N40SISO | Ant1    | 2422           | 19.81           | ≤30.00               | PASS    |
|           |         | 2437           | 19.41           | ≤30.00               | PASS    |
|           |         | 2452           | 19.62           | ≤30.00               | PASS    |

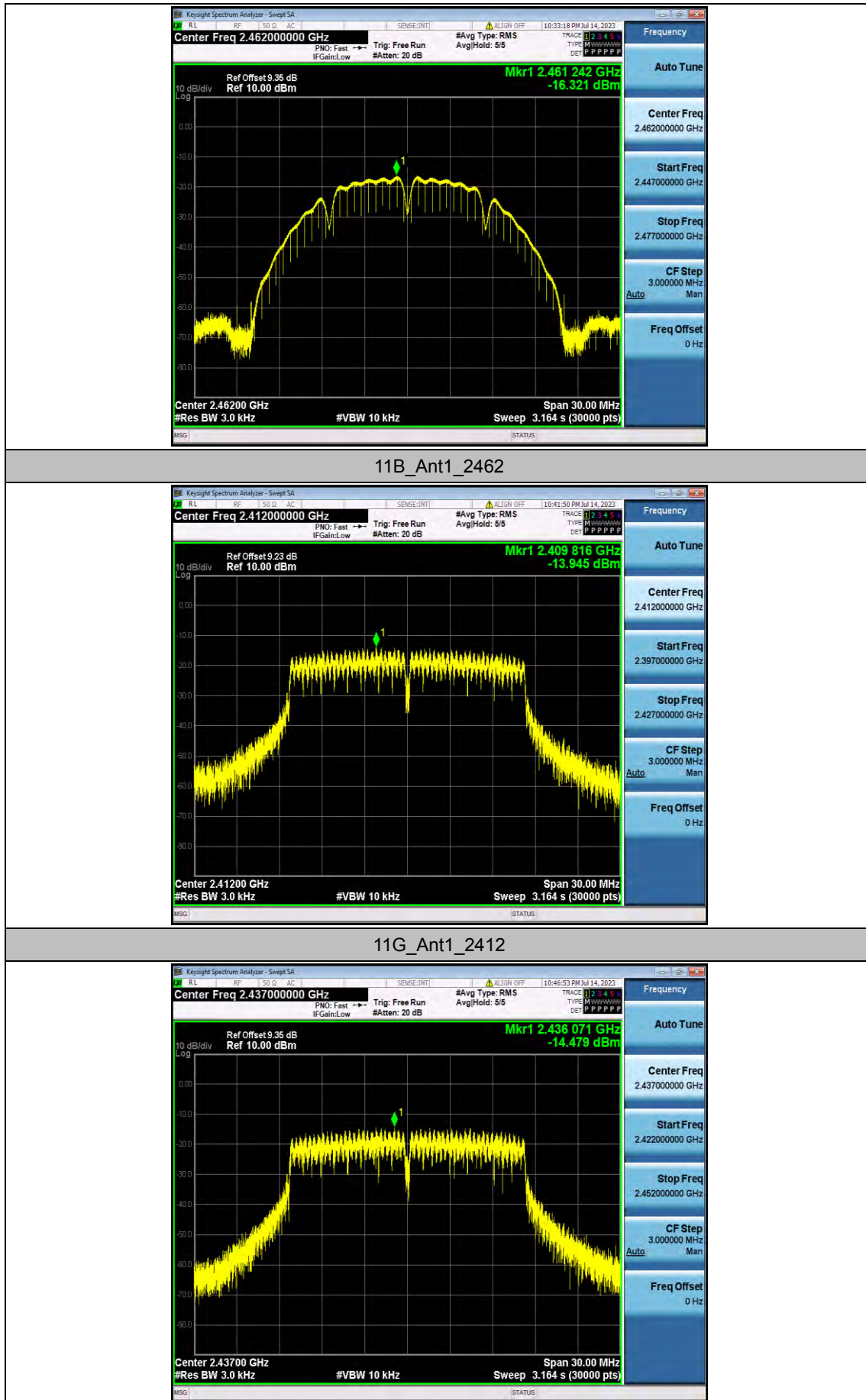
## Appendix C.4: Maximum power spectral density

### Test Result

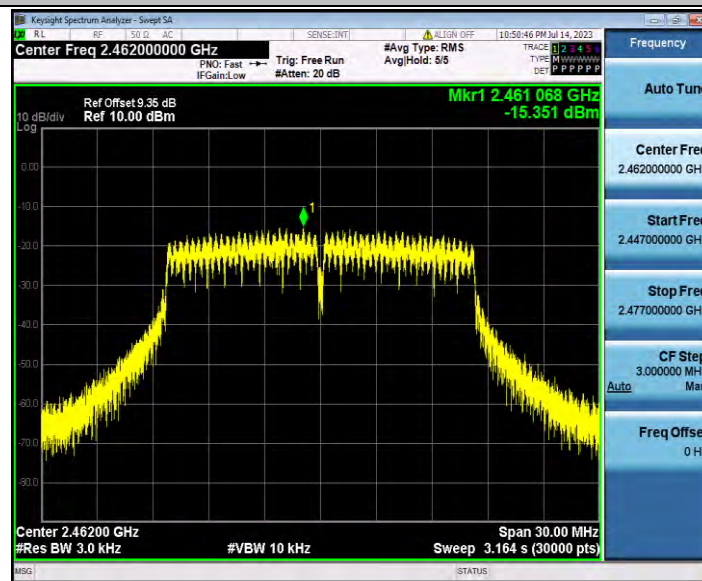
| Test Mode | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -16.17               | ≤8.00           | PASS    |
|           |         | 2437           | -16.55               | ≤8.00           | PASS    |
|           |         | 2462           | -16.32               | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -13.95               | ≤8.00           | PASS    |
|           |         | 2437           | -14.48               | ≤8.00           | PASS    |
|           |         | 2462           | -15.35               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -12.81               | ≤8.00           | PASS    |
|           |         | 2437           | -15.69               | ≤8.00           | PASS    |
|           |         | 2462           | -14.73               | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2422           | -15.51               | ≤8.00           | PASS    |
|           |         | 2437           | -16.22               | ≤8.00           | PASS    |
|           |         | 2452           | -16.71               | ≤8.00           | PASS    |

## Test Graphs

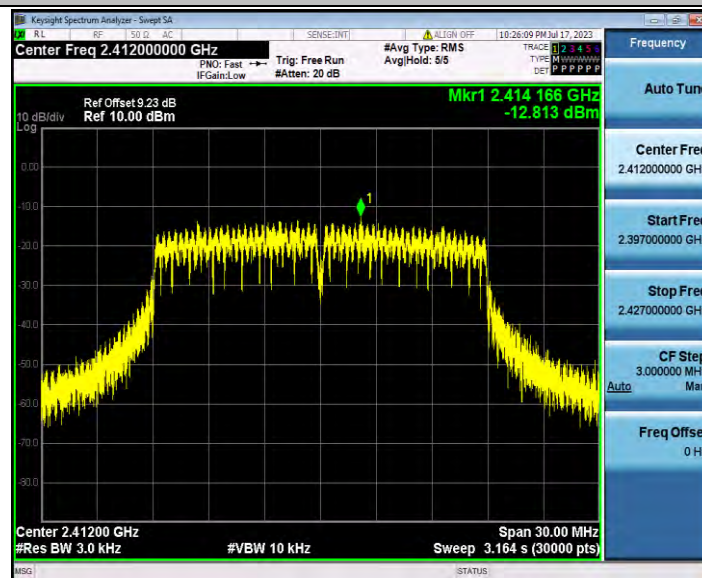




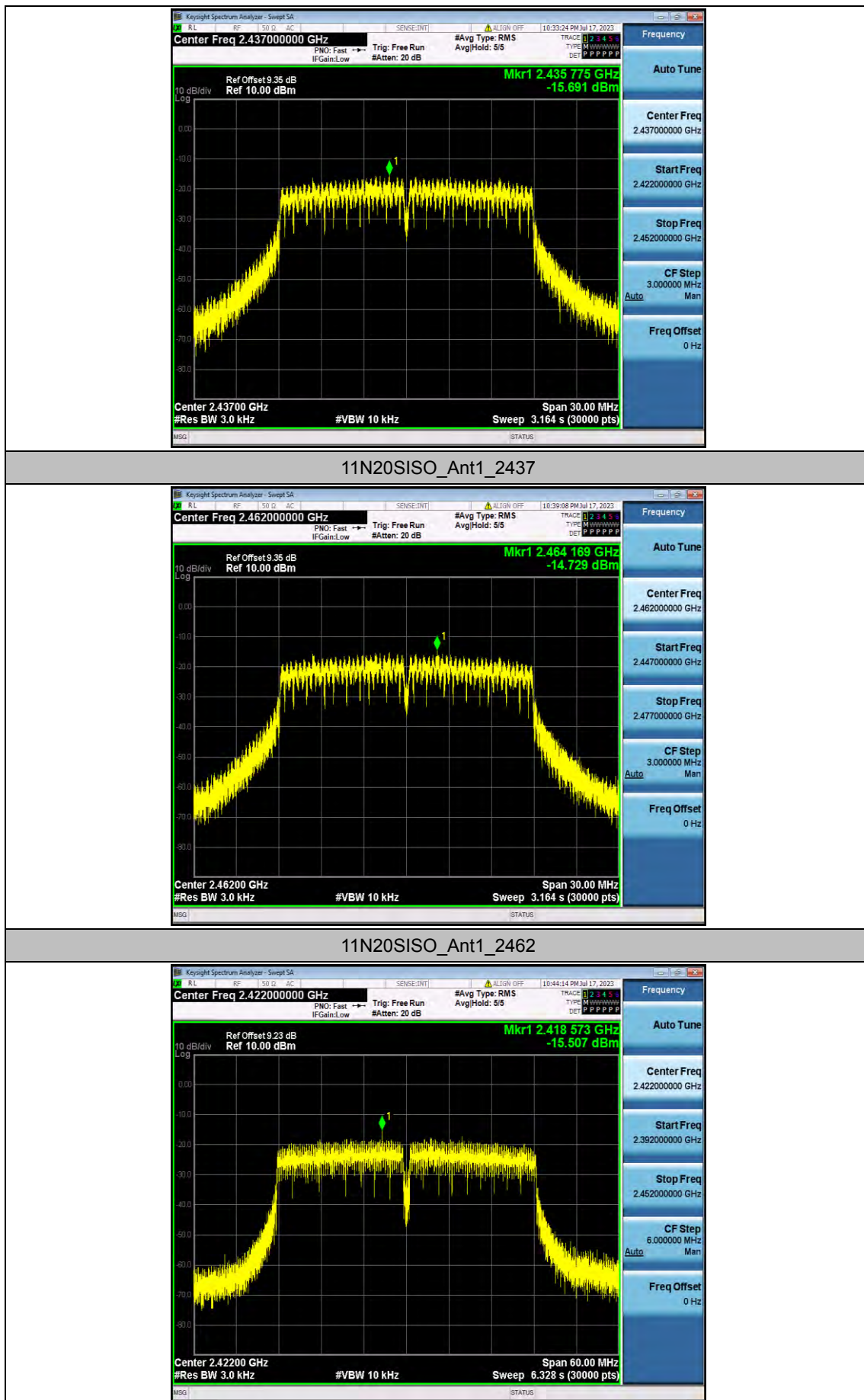
11G\_Ant1\_2437



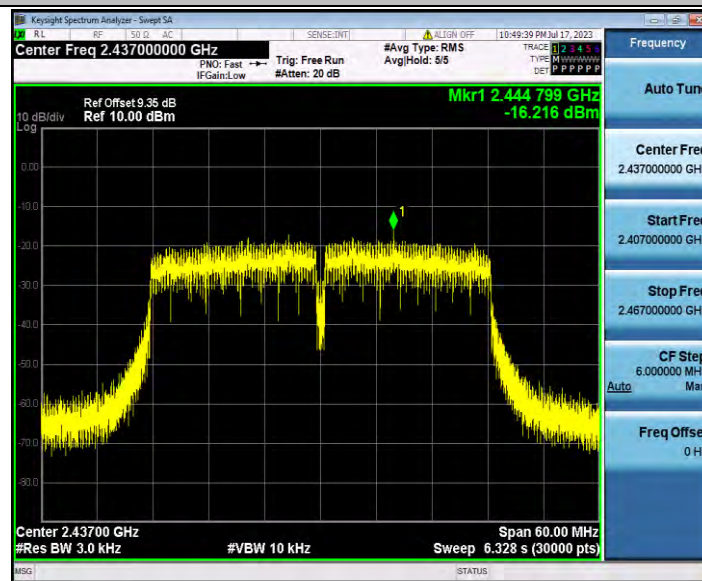
11G\_Ant1\_2462



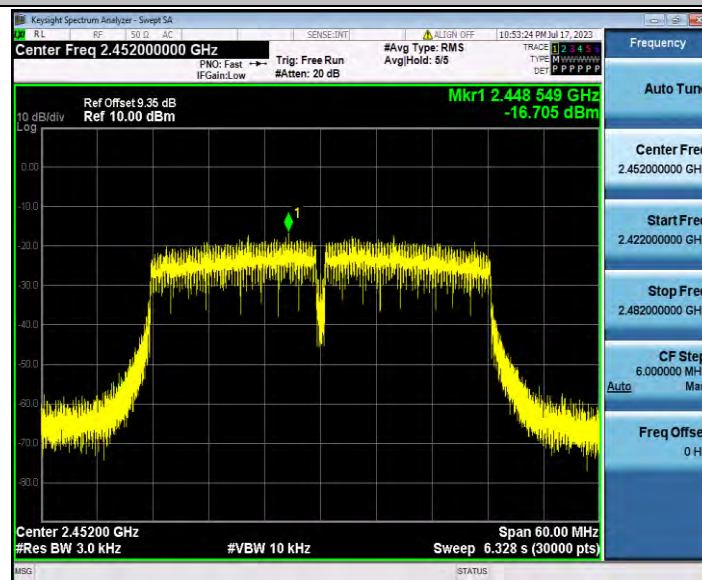
11N20SISO\_Ant1\_2412



## 11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



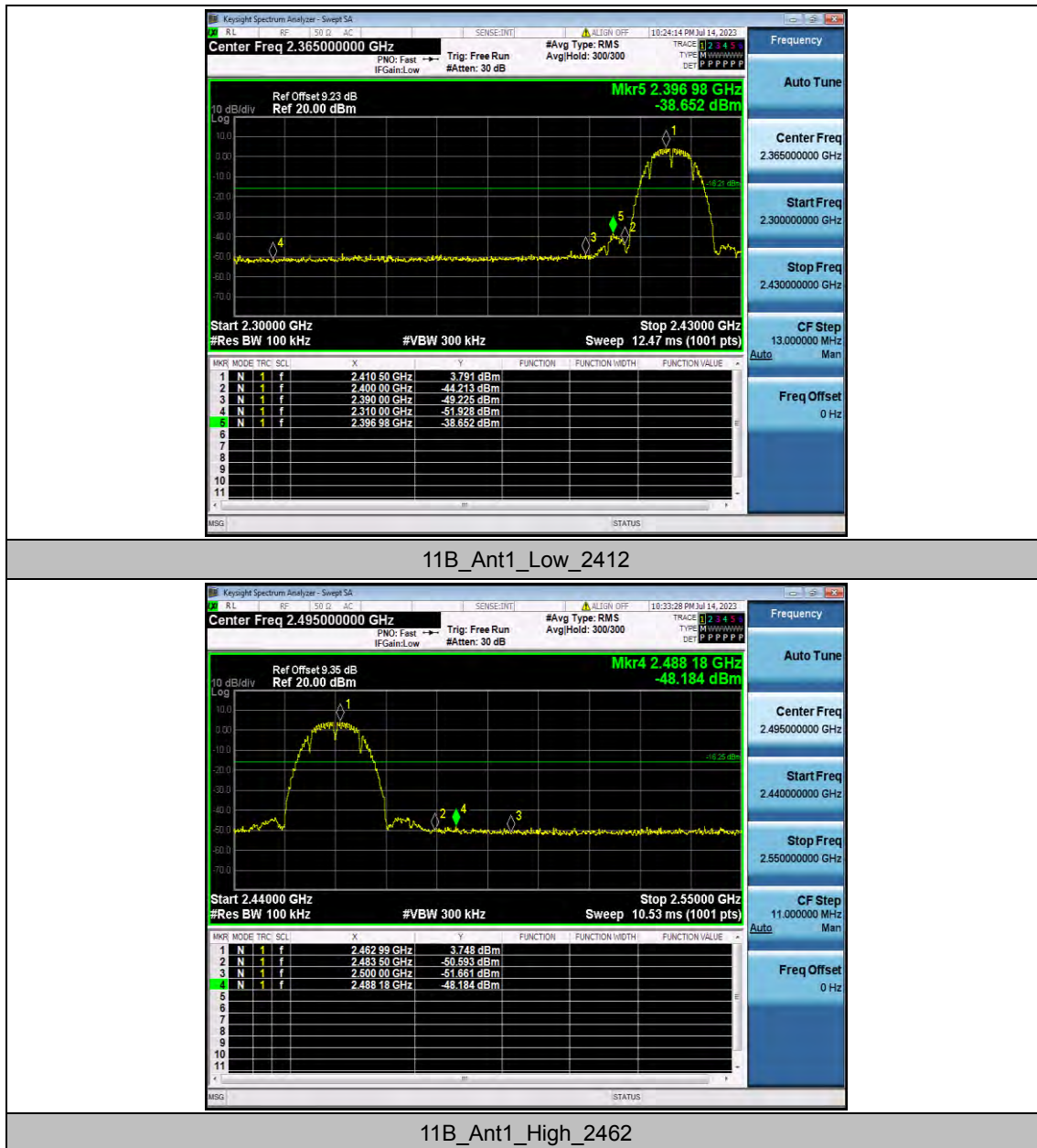
## 11N40SISO\_Ant1\_2452

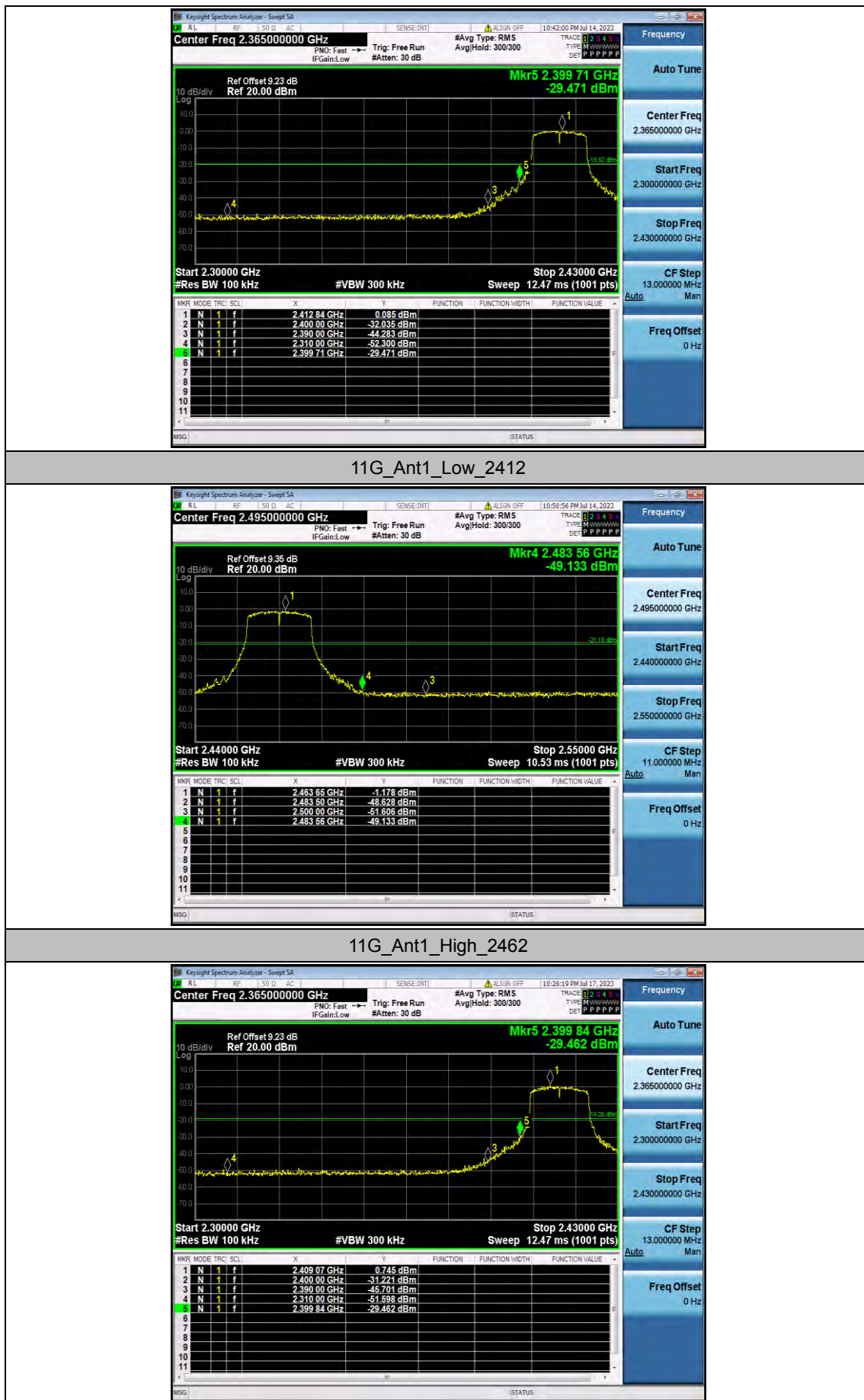
## Appendix C.5: Band edge measurements

### Test Result

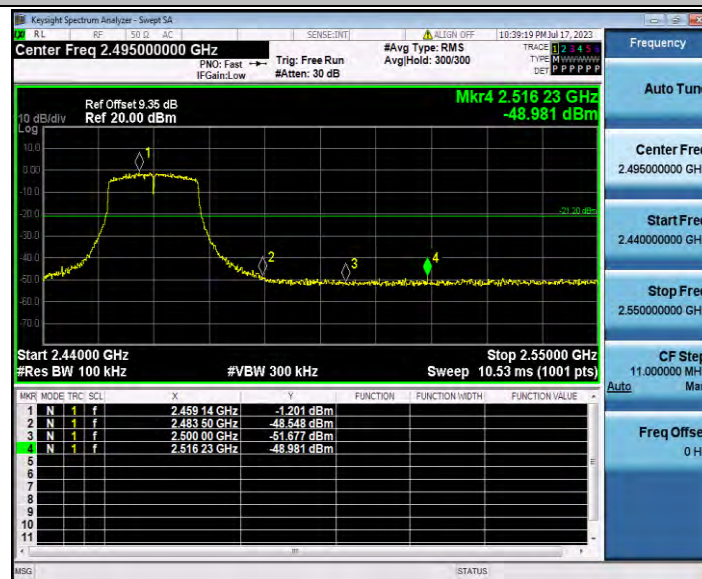
| Test Mode | Antenna | ChName | Frequency<br>[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|--------------------|---------------|-------------|---------------|---------|
| 11B       | Ant1    | Low    | 2412               | 3.79          | -38.65      | $\leq -16.21$ | PASS    |
|           |         | High   | 2462               | 3.75          | -48.18      | $\leq -16.25$ | PASS    |
| 11G       | Ant1    | Low    | 2412               | 0.09          | -29.47      | $\leq -19.92$ | PASS    |
|           |         | High   | 2462               | -1.18         | -49.13      | $\leq -21.18$ | PASS    |
| 11N20SISO | Ant1    | Low    | 2412               | 0.75          | -29.46      | $\leq -19.26$ | PASS    |
|           |         | High   | 2462               | -1.20         | -48.98      | $\leq -21.2$  | PASS    |
| 11N40SISO | Ant1    | Low    | 2422               | -4.26         | -38.18      | $\leq -24.26$ | PASS    |
|           |         | High   | 2452               | -4.43         | -44.63      | $\leq -24.43$ | PASS    |

## Test Graphs

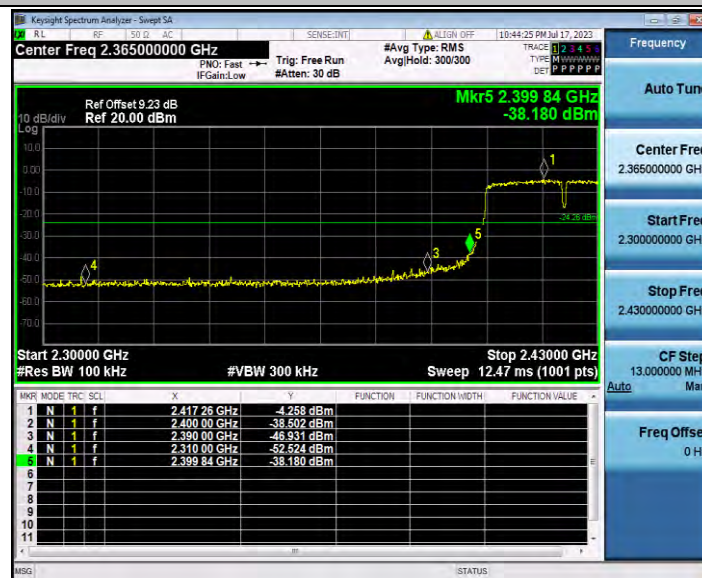




## 11N20SISO\_Ant1\_Low\_2412



## 11N20SISO\_Ant1\_High\_2462



## 11N40SISO\_Ant1\_Low\_2422

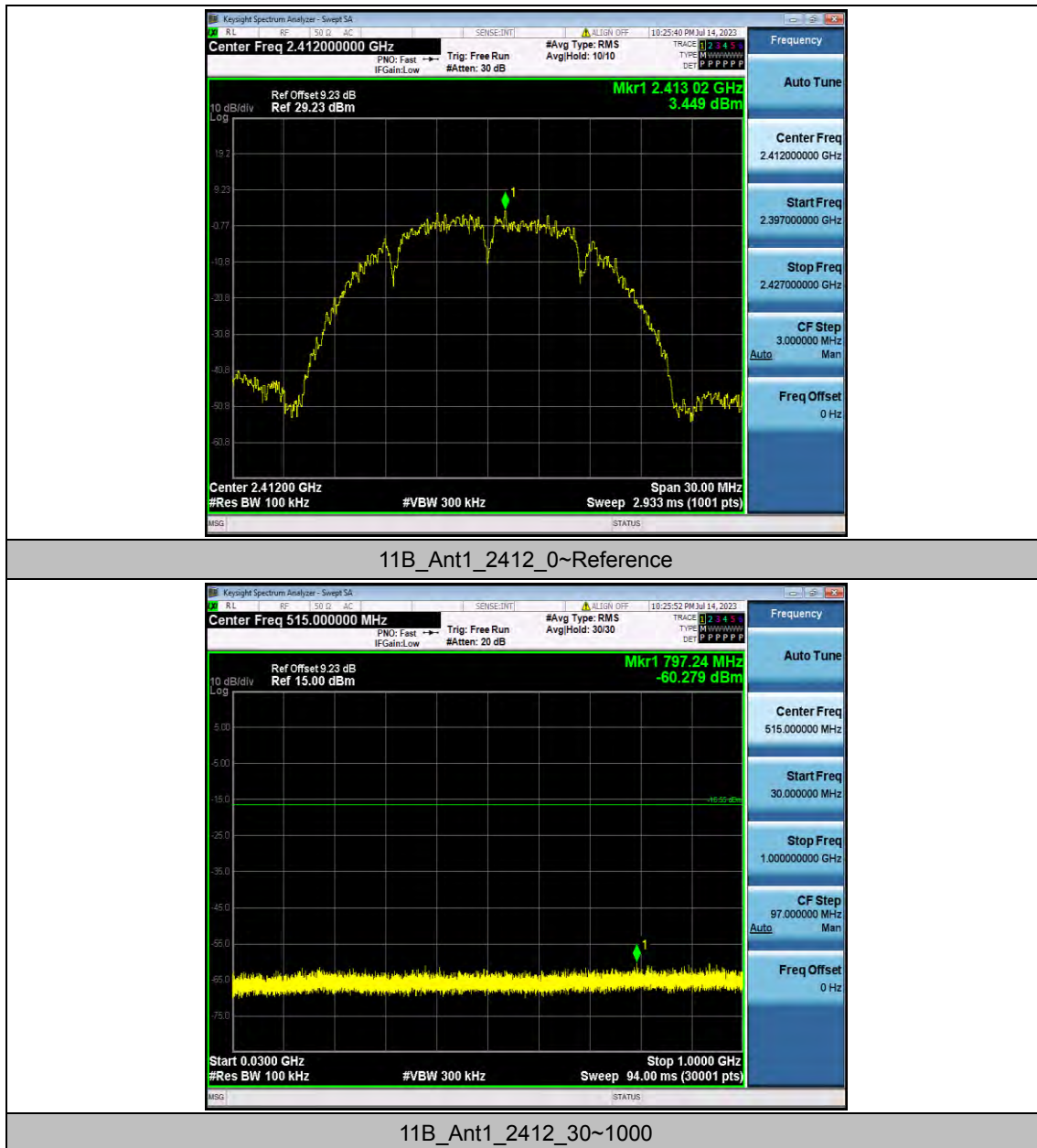


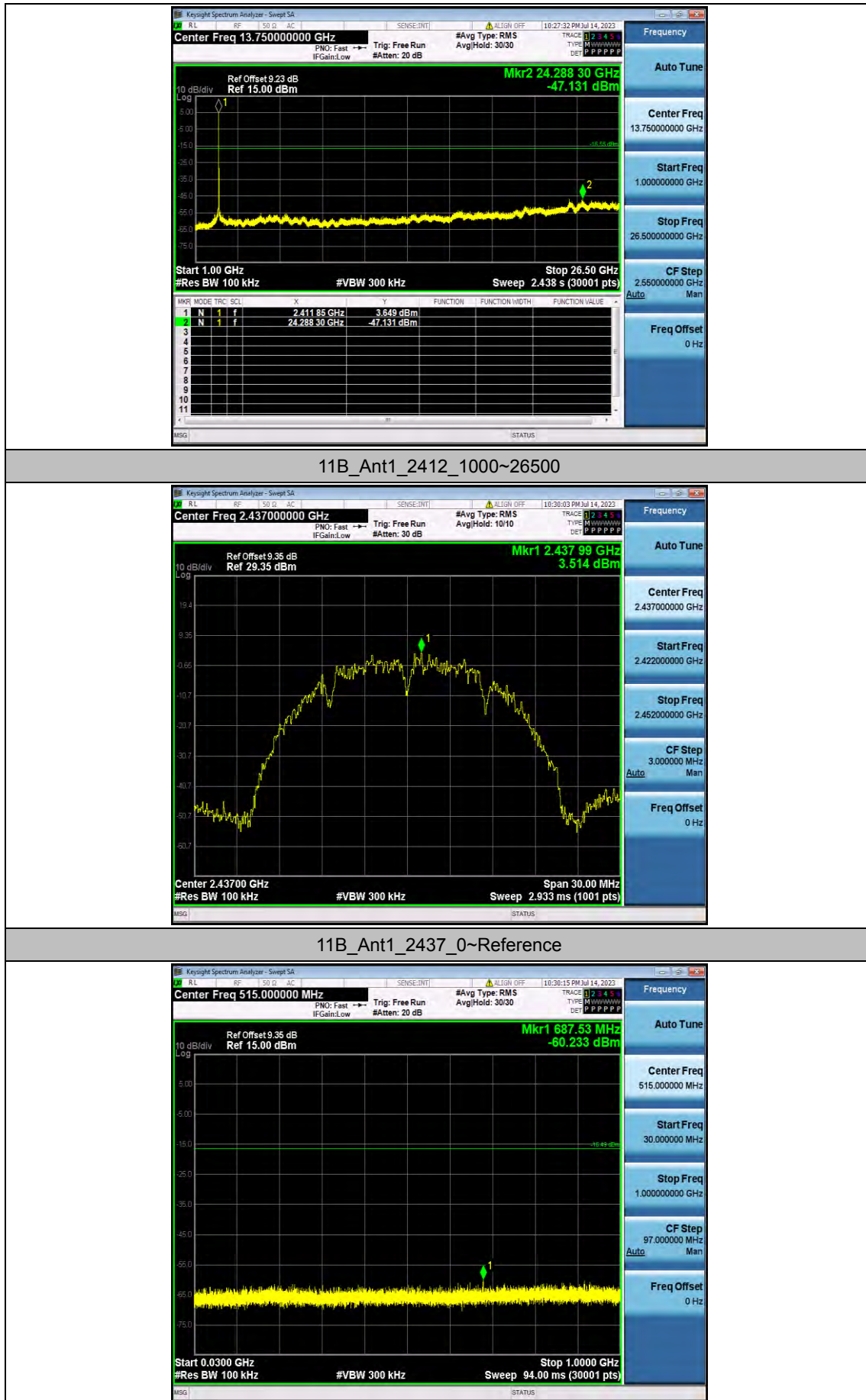
## Appendix C.6: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| 11B       | Ant1    | 2412           | Reference       | 3.45           | 3.45         | ---           | PASS    |
|           |         |                | 30~1000         | 3.45           | -60.28       | $\leq -16.55$ | PASS    |
|           |         |                | 1000~26500      | 3.45           | -47.13       | $\leq -16.55$ | PASS    |
|           |         | 2437           | Reference       | 3.51           | 3.51         | ---           | PASS    |
|           |         |                | 30~1000         | 3.51           | -60.23       | $\leq -16.49$ | PASS    |
|           |         |                | 1000~26500      | 3.51           | -47.47       | $\leq -16.49$ | PASS    |
|           |         | 2462           | Reference       | 3.47           | 3.47         | ---           | PASS    |
|           |         |                | 30~1000         | 3.47           | -60.43       | $\leq -16.53$ | PASS    |
|           |         |                | 1000~26500      | 3.47           | -47.8        | $\leq -16.53$ | PASS    |
| 11G       | Ant1    | 2412           | Reference       | -0.02          | -0.02        | ---           | PASS    |
|           |         |                | 30~1000         | -0.02          | -60.13       | $\leq -20.02$ | PASS    |
|           |         |                | 1000~26500      | -0.02          | -47.07       | $\leq -20.02$ | PASS    |
|           |         | 2437           | Reference       | -0.34          | -0.34        | ---           | PASS    |
|           |         |                | 30~1000         | -0.34          | -60.15       | $\leq -20.34$ | PASS    |
|           |         |                | 1000~26500      | -0.34          | -46.9        | $\leq -20.34$ | PASS    |
|           |         | 2462           | Reference       | -1.45          | -1.45        | ---           | PASS    |
|           |         |                | 30~1000         | -1.45          | -60.59       | $\leq -21.45$ | PASS    |
|           |         |                | 1000~26500      | -1.45          | -47.17       | $\leq -21.45$ | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | -0.37          | -0.37        | ---           | PASS    |
|           |         |                | 30~1000         | -0.37          | -50.9        | $\leq -20.37$ | PASS    |
|           |         |                | 1000~26500      | -0.37          | -47.94       | $\leq -20.37$ | PASS    |
|           |         | 2437           | Reference       | -2.56          | -2.56        | ---           | PASS    |
|           |         |                | 30~1000         | -2.56          | -60.59       | $\leq -22.56$ | PASS    |
|           |         |                | 1000~26500      | -2.56          | -47.23       | $\leq -22.56$ | PASS    |
|           |         | 2462           | Reference       | -0.79          | -0.79        | ---           | PASS    |
|           |         |                | 30~1000         | -0.79          | -60.3        | $\leq -20.79$ | PASS    |
|           |         |                | 1000~26500      | -0.79          | -47.47       | $\leq -20.79$ | PASS    |
| 11N40SISO | Ant1    | 2422           | Reference       | -4.89          | -4.89        | ---           | PASS    |
|           |         |                | 30~1000         | -4.89          | -60.36       | $\leq -24.89$ | PASS    |
|           |         |                | 1000~26500      | -4.89          | -47.39       | $\leq -24.89$ | PASS    |
|           |         | 2437           | Reference       | -4.94          | -4.94        | ---           | PASS    |
|           |         |                | 30~1000         | -4.94          | -60.1        | $\leq -24.94$ | PASS    |
|           |         |                | 1000~26500      | -4.94          | -47.82       | $\leq -24.94$ | PASS    |
|           |         | 2452           | Reference       | -5.05          | -5.05        | ---           | PASS    |
|           |         |                | 30~1000         | -5.05          | -60.32       | $\leq -25.05$ | PASS    |
|           |         |                | 1000~26500      | -5.05          | -47.18       | $\leq -25.05$ | PASS    |

## Test Graphs





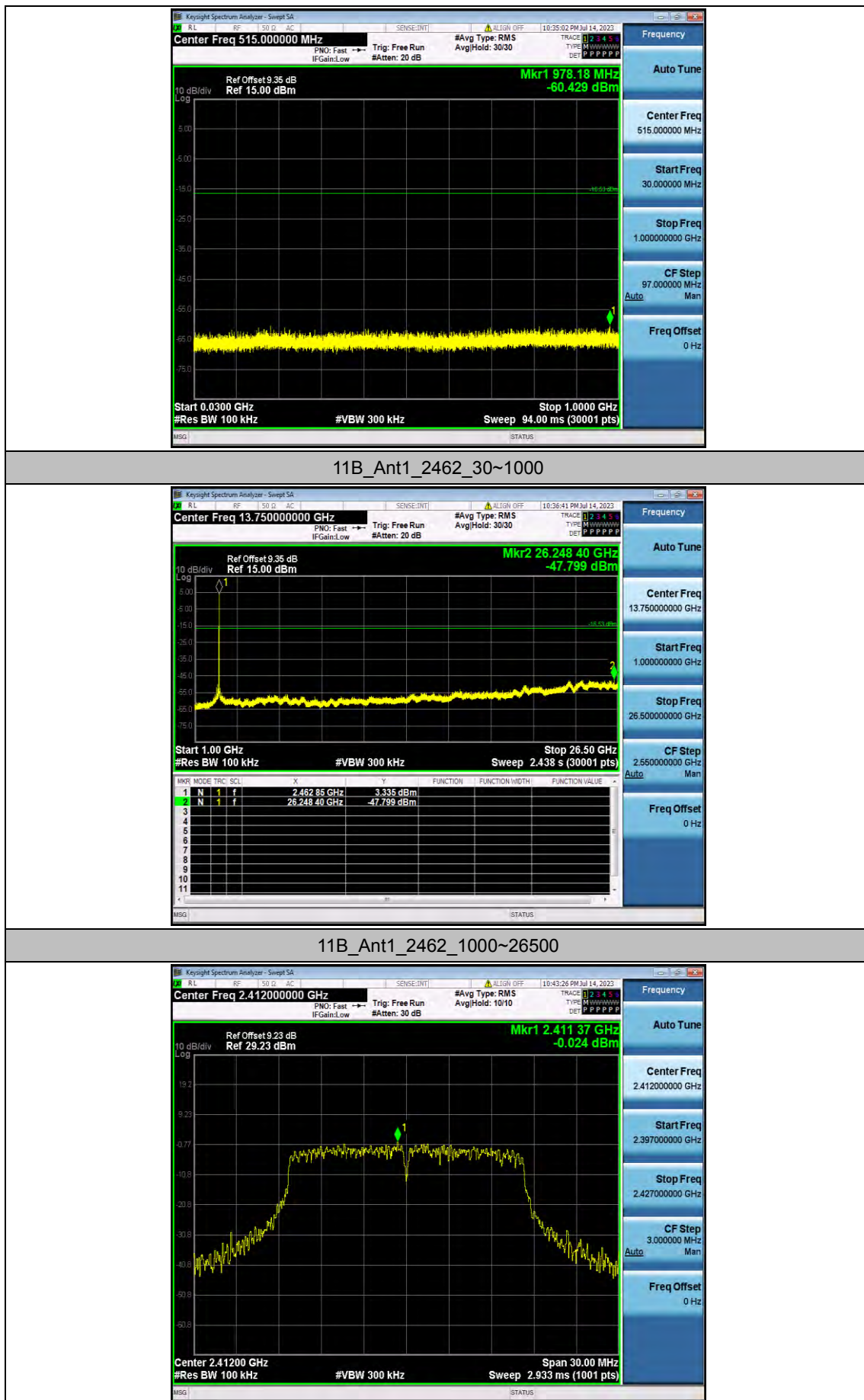
## 11B\_Ant1\_2437\_30~1000



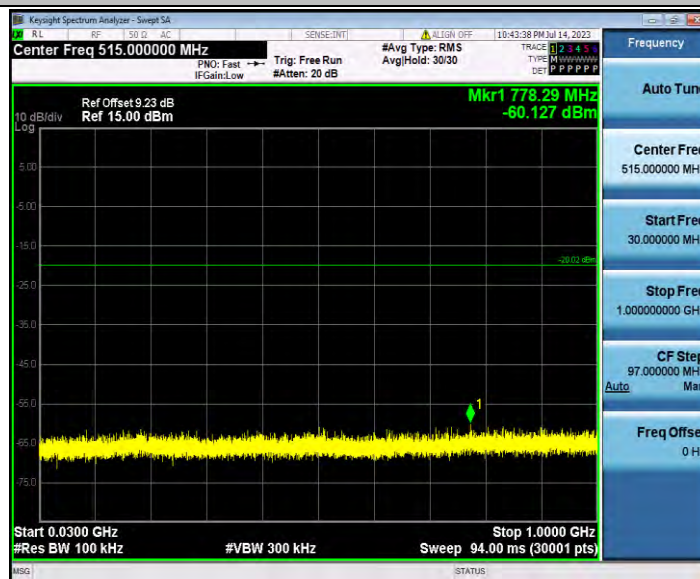
## 11B\_Ant1\_2437\_1000~26500



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



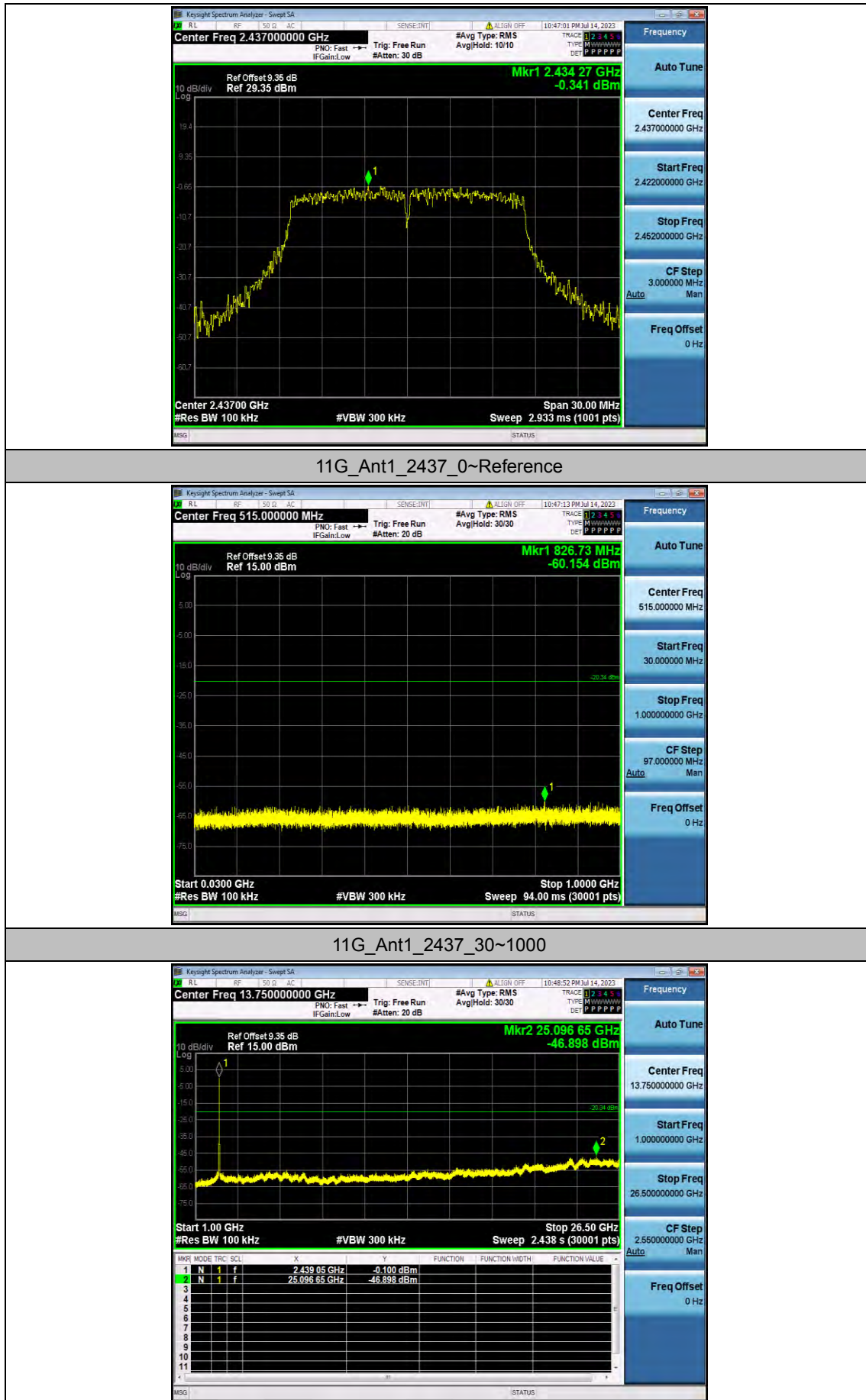
## 11G\_Ant1\_2412\_0~Reference



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



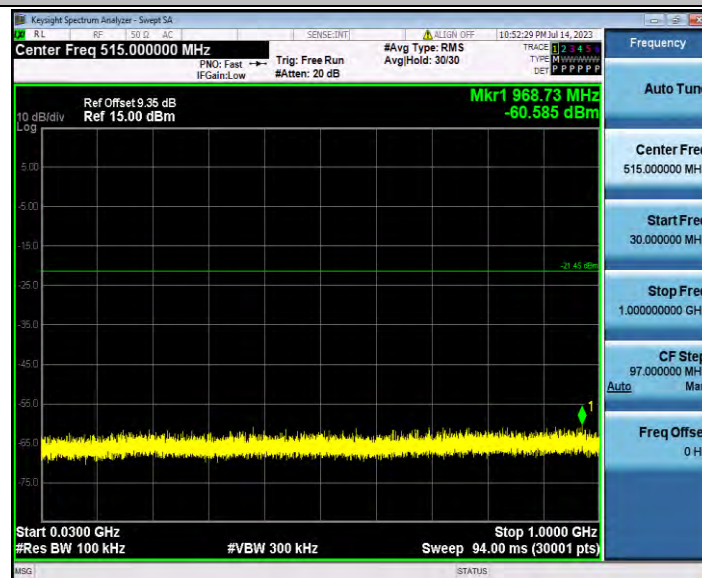
## 11G\_Ant1\_2412\_1000~26500



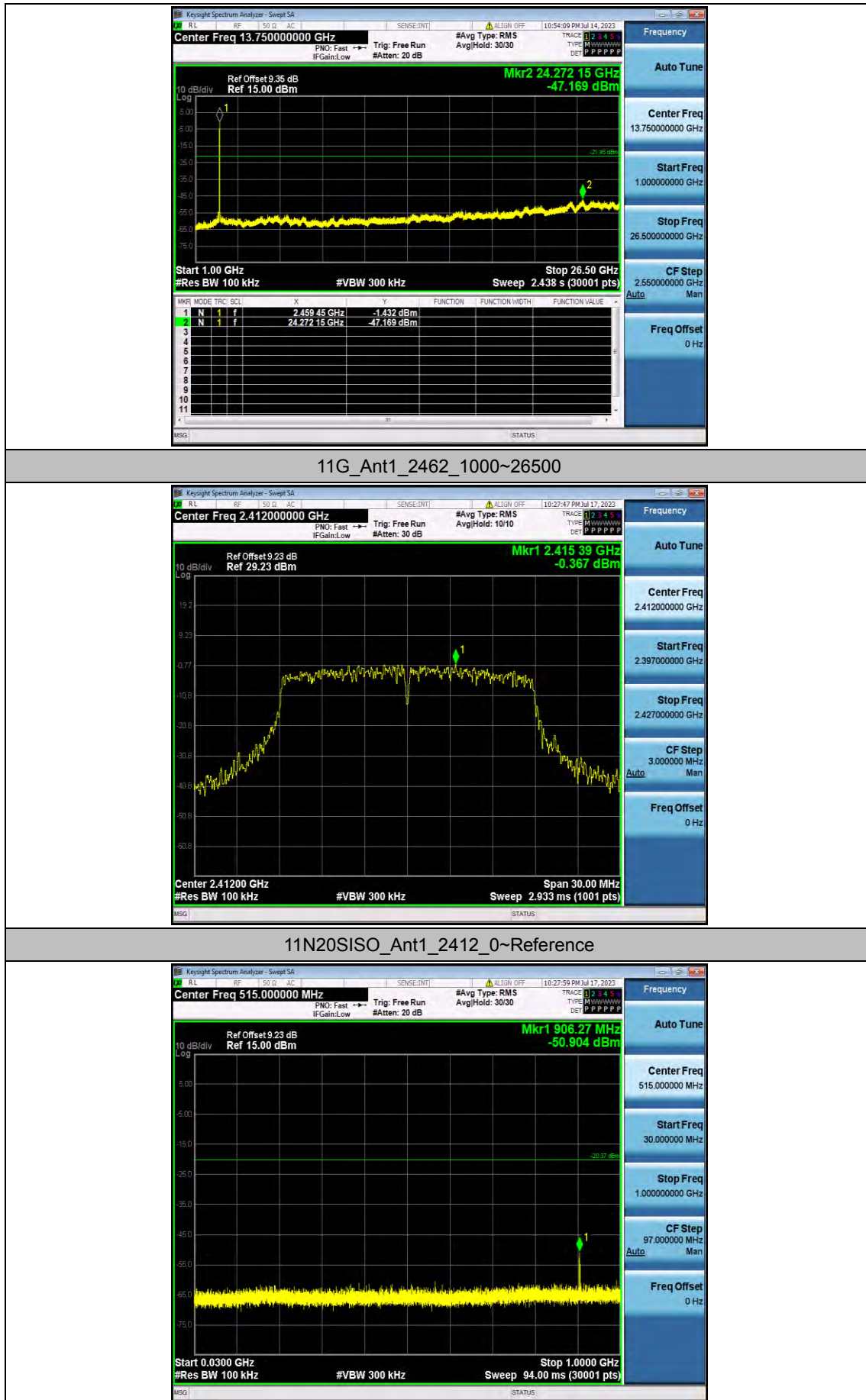
## 11G\_Ant1\_2437\_1000~26500



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



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



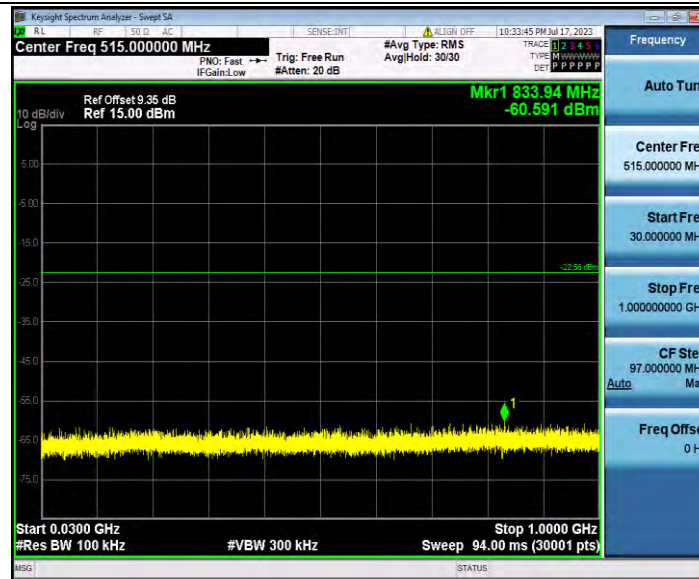
## 11N20SISO\_Ant1\_2412\_30~1000



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



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



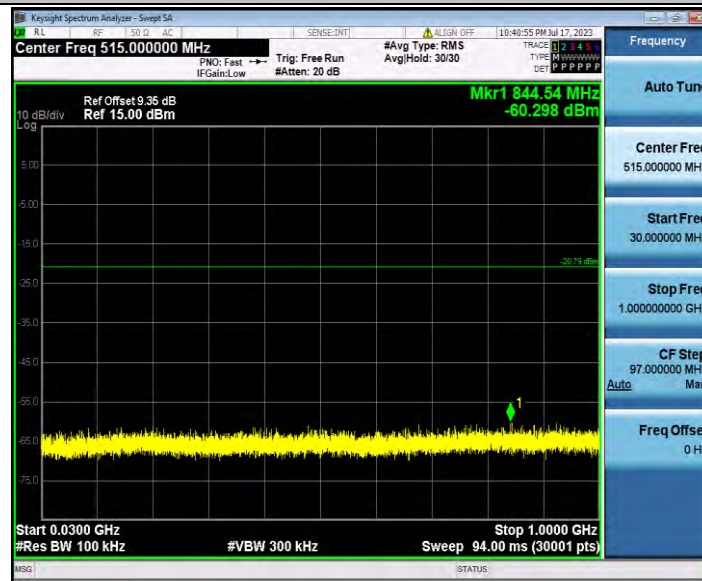
11N20SISO\_Ant1\_2437\_30~1000



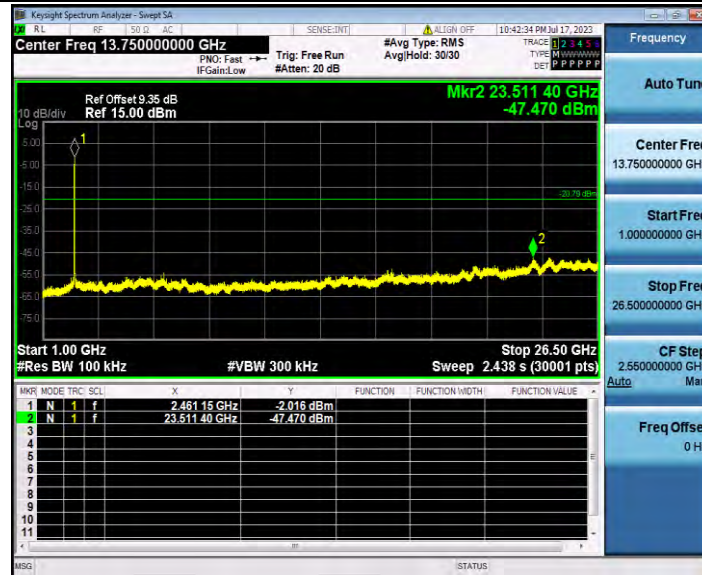
11N20SISO\_Ant1\_2437\_1000~26500



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



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



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



11N40SISO\_Ant1\_2422\_0~Reference



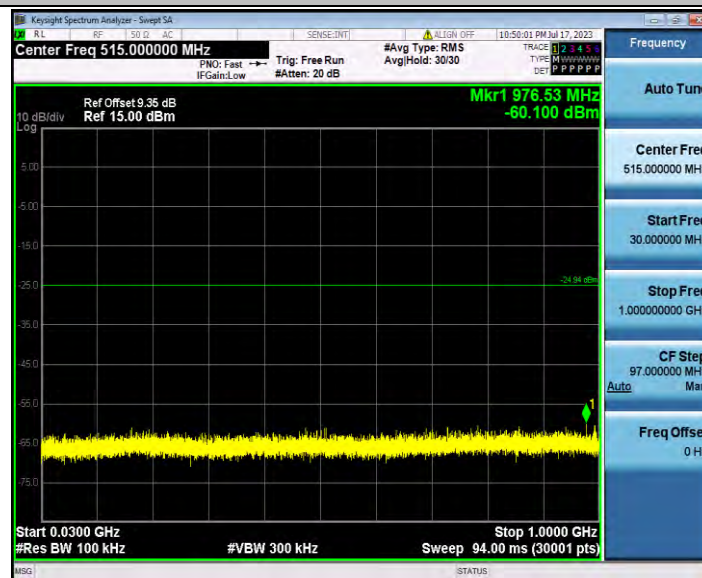
11N40SISO\_Ant1\_2422\_30~1000



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



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



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

