

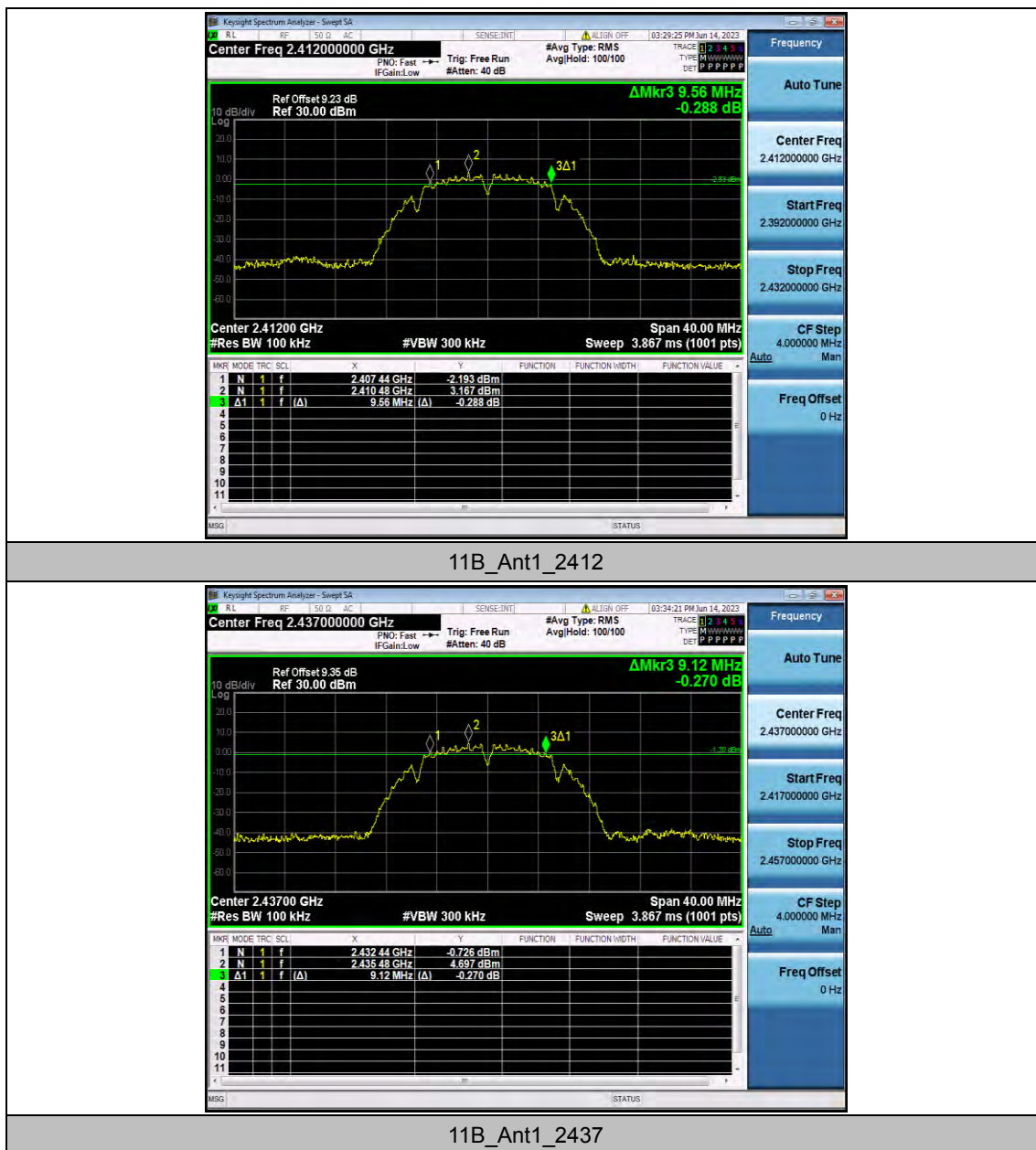
|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| <b>Case No. :</b> <u>GTS20230525016-1-21</u>                          |                                         |
| <b>Ambient Condition:</b> <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa, |                                         |
| <b>Test Date:</b> <u>2023.6.13</u>                                    | <b>Test Engineer:</b> <u>Jenny zeng</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           | 9.560        | 2407.440 | 2417.000 | 0.5        | PASS    |
|           |         | 2437           | 9.120        | 2432.440 | 2441.560 | 0.5        | PASS    |
|           |         | 2462           | 9.120        | 2457.440 | 2466.560 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 13.560       | 2406.000 | 2419.560 | 0.5        | PASS    |
|           |         | 2437           | 15.240       | 2429.520 | 2444.760 | 0.5        | PASS    |
|           |         | 2462           | 12.840       | 2455.680 | 2468.520 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 16.920       | 2403.840 | 2420.760 | 0.5        | PASS    |
|           |         | 2437           | 12.920       | 2431.600 | 2444.520 | 0.5        | PASS    |
|           |         | 2462           | 14.680       | 2454.840 | 2469.520 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422           | 33.840       | 2405.680 | 2439.520 | 0.5        | PASS    |
|           |         | 2437           | 34.960       | 2419.560 | 2454.520 | 0.5        | PASS    |
|           |         | 2452           | 35.040       | 2434.480 | 2469.520 | 0.5        | PASS    |

## Test Graphs





11B\_Ant1\_2462



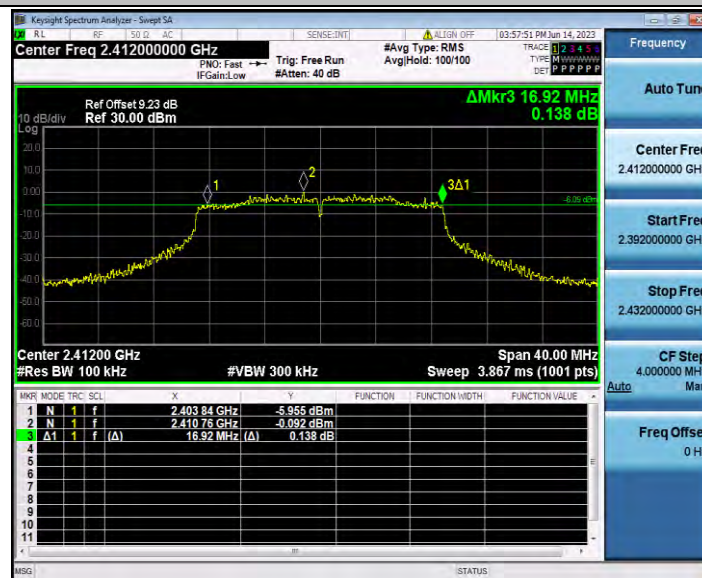
11G\_Ant1\_2412



## 11G\_Ant1\_2437



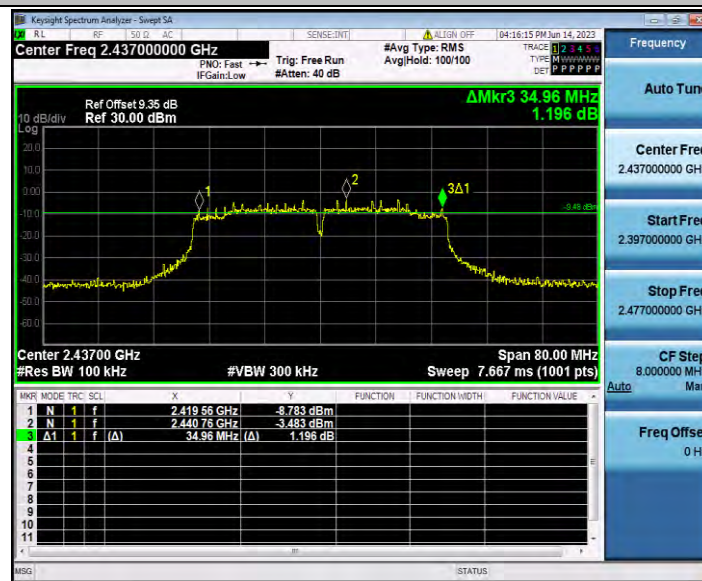
## 11G\_Ant1\_2462



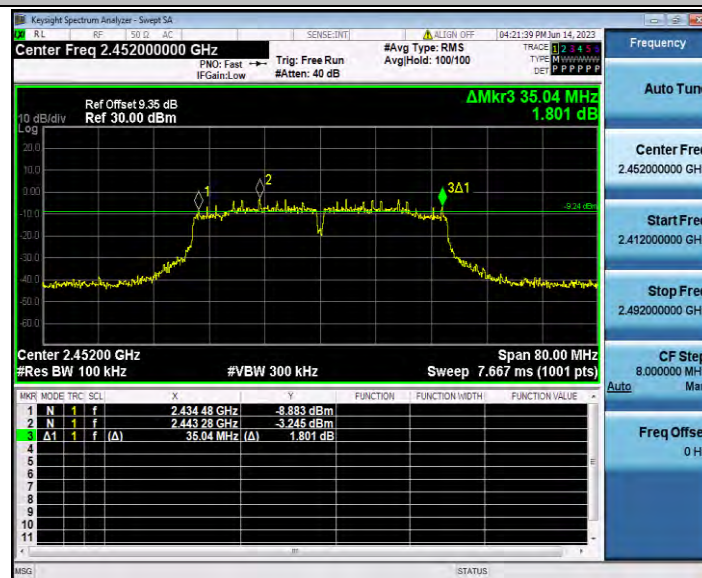
## 11N20SISO\_Ant1\_2412



## 11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



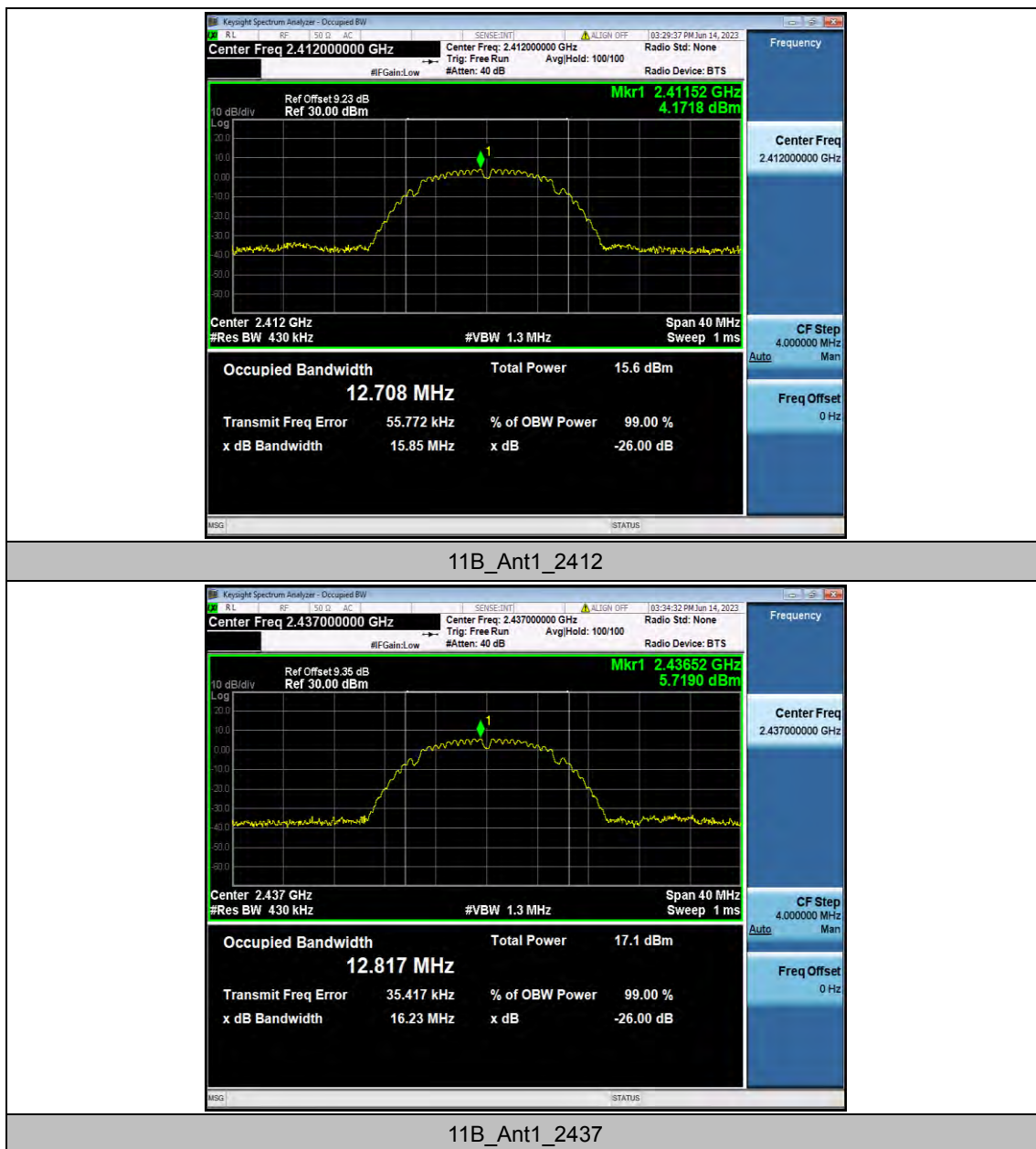
## 11N40SISO\_Ant1\_2452

## Appendix C.2: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Channel<br>Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------------------------|-----------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412                      | 12.708    | 2405.702 | 2418.410 | ---        | ---     |
|           |         | 2437                      | 12.817    | 2430.627 | 2443.444 | ---        | ---     |
|           |         | 2462                      | 12.769    | 2455.600 | 2468.369 | ---        | ---     |
| 11G       | Ant1    | 2412                      | 16.763    | 2403.684 | 2420.447 | ---        | ---     |
|           |         | 2437                      | 16.873    | 2428.563 | 2445.436 | ---        | ---     |
|           |         | 2462                      | 16.783    | 2453.569 | 2470.352 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                      | 17.900    | 2403.085 | 2420.985 | ---        | ---     |
|           |         | 2437                      | 17.926    | 2428.075 | 2446.001 | ---        | ---     |
|           |         | 2462                      | 17.916    | 2452.996 | 2470.912 | ---        | ---     |
| 11N40SISO | Ant1    | 2422                      | 36.119    | 2403.999 | 2440.118 | ---        | ---     |
|           |         | 2437                      | 36.131    | 2419.012 | 2455.143 | ---        | ---     |
|           |         | 2452                      | 36.187    | 2433.870 | 2470.057 | ---        | ---     |

## Test Graphs





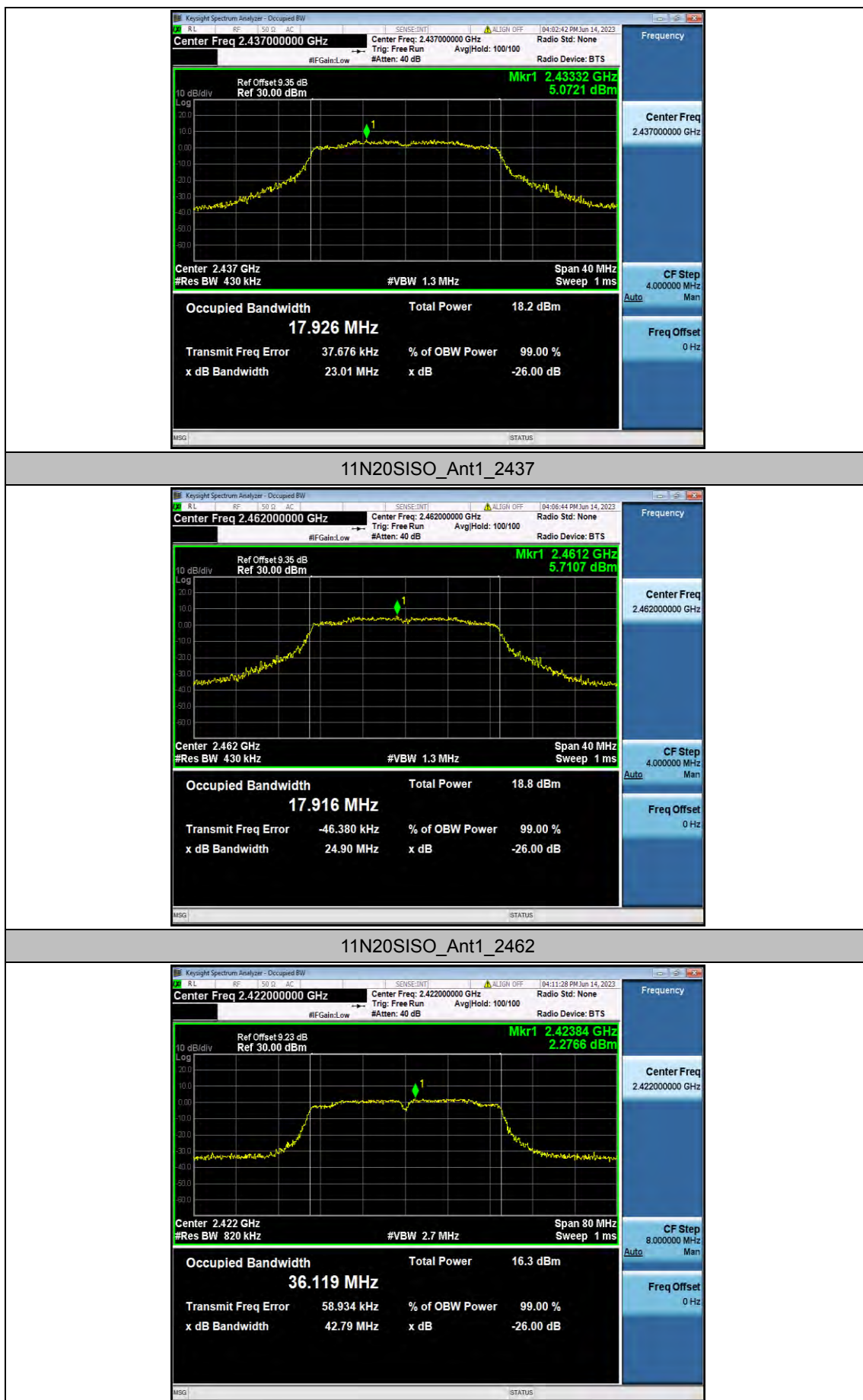
## 11G\_Ant1\_2437



## 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

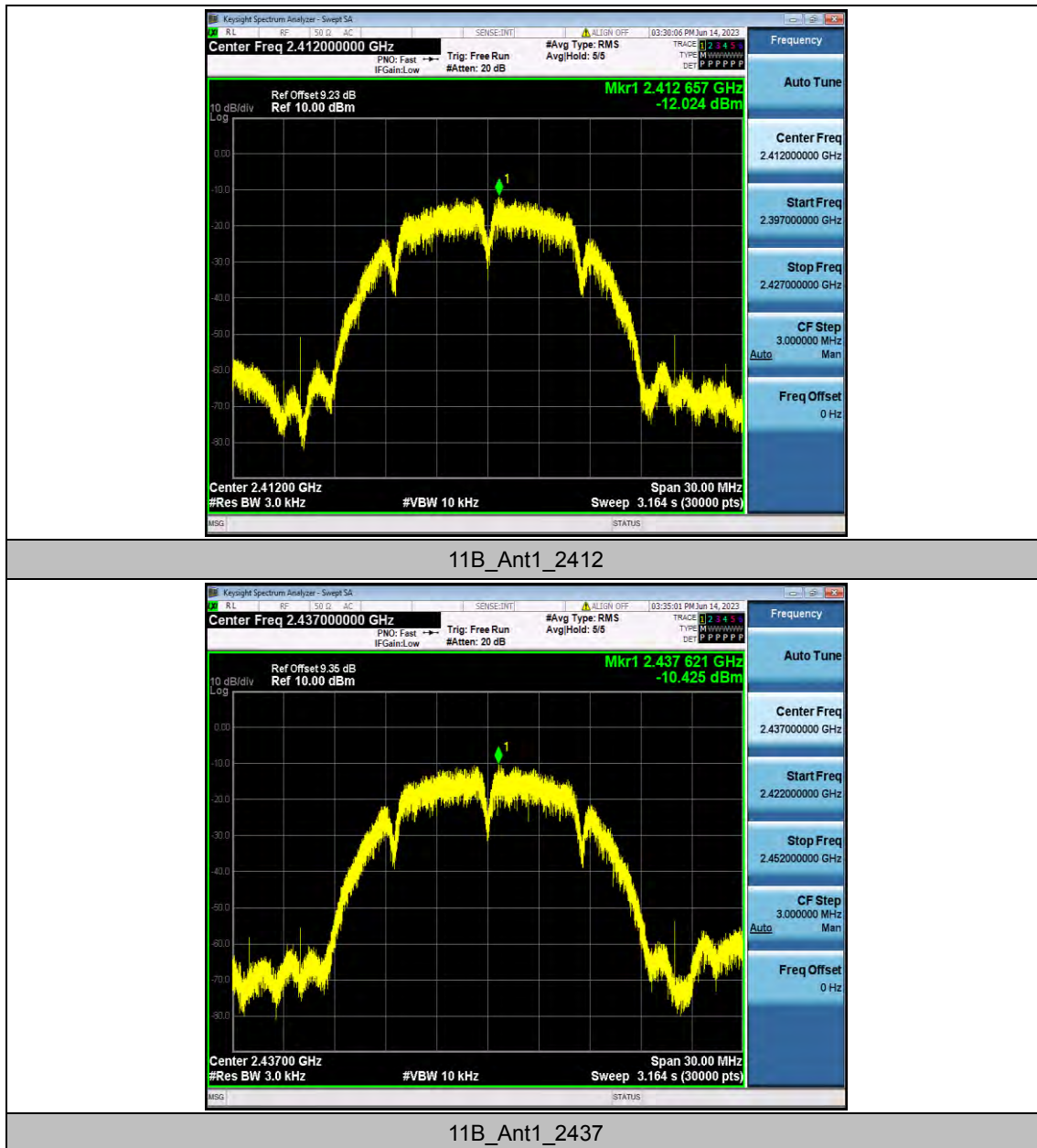
| Test Mode | Antenna | Frequency[MHz] | Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------------|---------|
| 11B       | Ant1    | 2412           | 15.60           | ≤30.00               | PASS    |
|           |         | 2437           | 17.18           | ≤30.00               | PASS    |
|           |         | 2462           | 17.36           | ≤30.00               | PASS    |
| 11G       | Ant1    | 2412           | 20.59           | ≤30.00               | PASS    |
|           |         | 2437           | 19.55           | ≤30.00               | PASS    |
|           |         | 2462           | 19.84           | ≤30.00               | PASS    |
| 11N20SISO | Ant1    | 2412           | 18.93           | ≤30.00               | PASS    |
|           |         | 2437           | 19.32           | ≤30.00               | PASS    |
|           |         | 2462           | 19.91           | ≤30.00               | PASS    |
| 11N40SISO | Ant1    | 2422           | 16.60           | ≤30.00               | PASS    |
|           |         | 2437           | 17.11           | ≤30.00               | PASS    |
|           |         | 2452           | 17.37           | ≤30.00               | PASS    |

## Appendix C.4: Maximum power spectral density

### Test Result

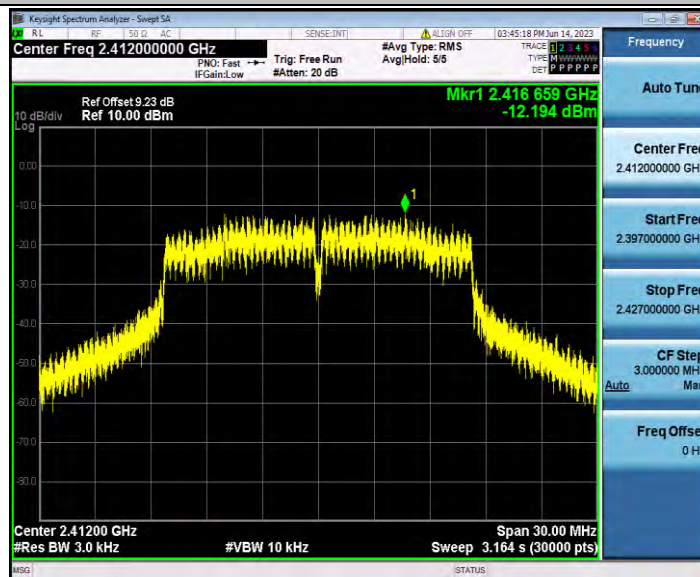
| Test Mode | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -12.02               | ≤8.00           | PASS    |
|           |         | 2437           | -10.43               | ≤8.00           | PASS    |
|           |         | 2462           | -9.81                | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -12.19               | ≤8.00           | PASS    |
|           |         | 2437           | -12.75               | ≤8.00           | PASS    |
|           |         | 2462           | -12.11               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -13.09               | ≤8.00           | PASS    |
|           |         | 2437           | -12.75               | ≤8.00           | PASS    |
|           |         | 2462           | -12.3                | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2422           | -18.23               | ≤8.00           | PASS    |
|           |         | 2437           | -18.36               | ≤8.00           | PASS    |
|           |         | 2452           | -18.32               | ≤8.00           | PASS    |

## Test Graphs

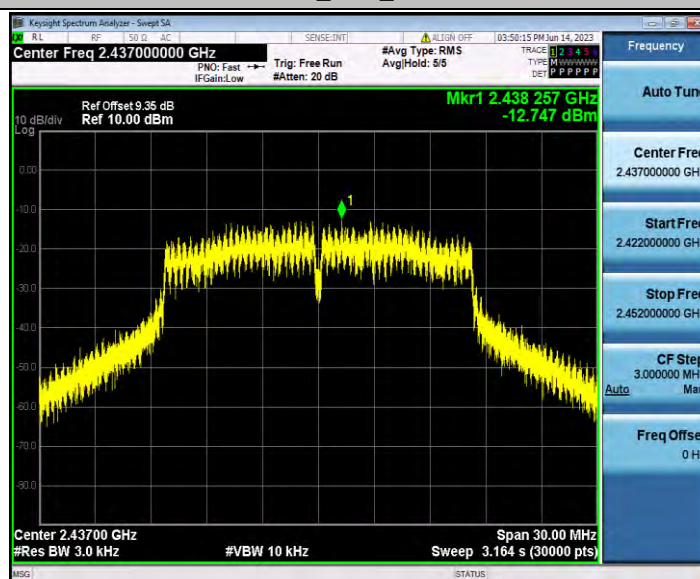




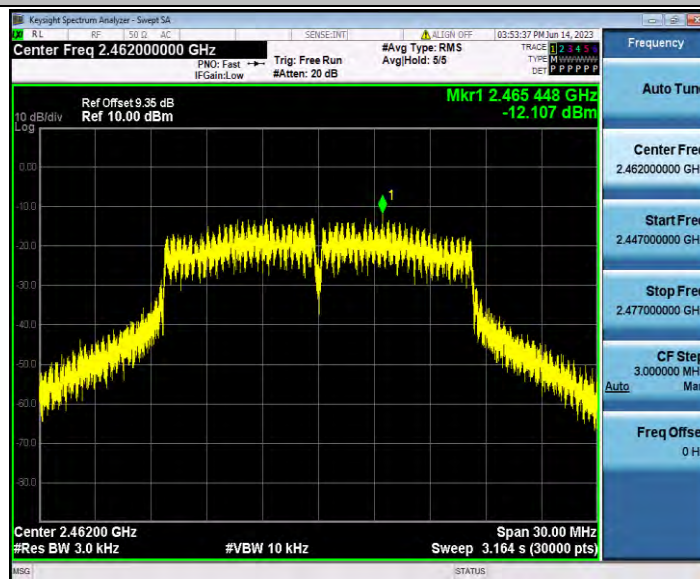
11B\_Ant1\_2462



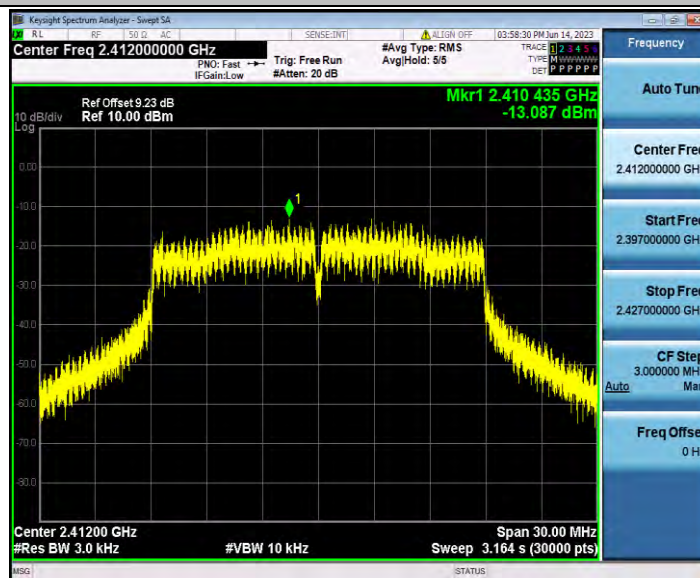
11G\_Ant1\_2412



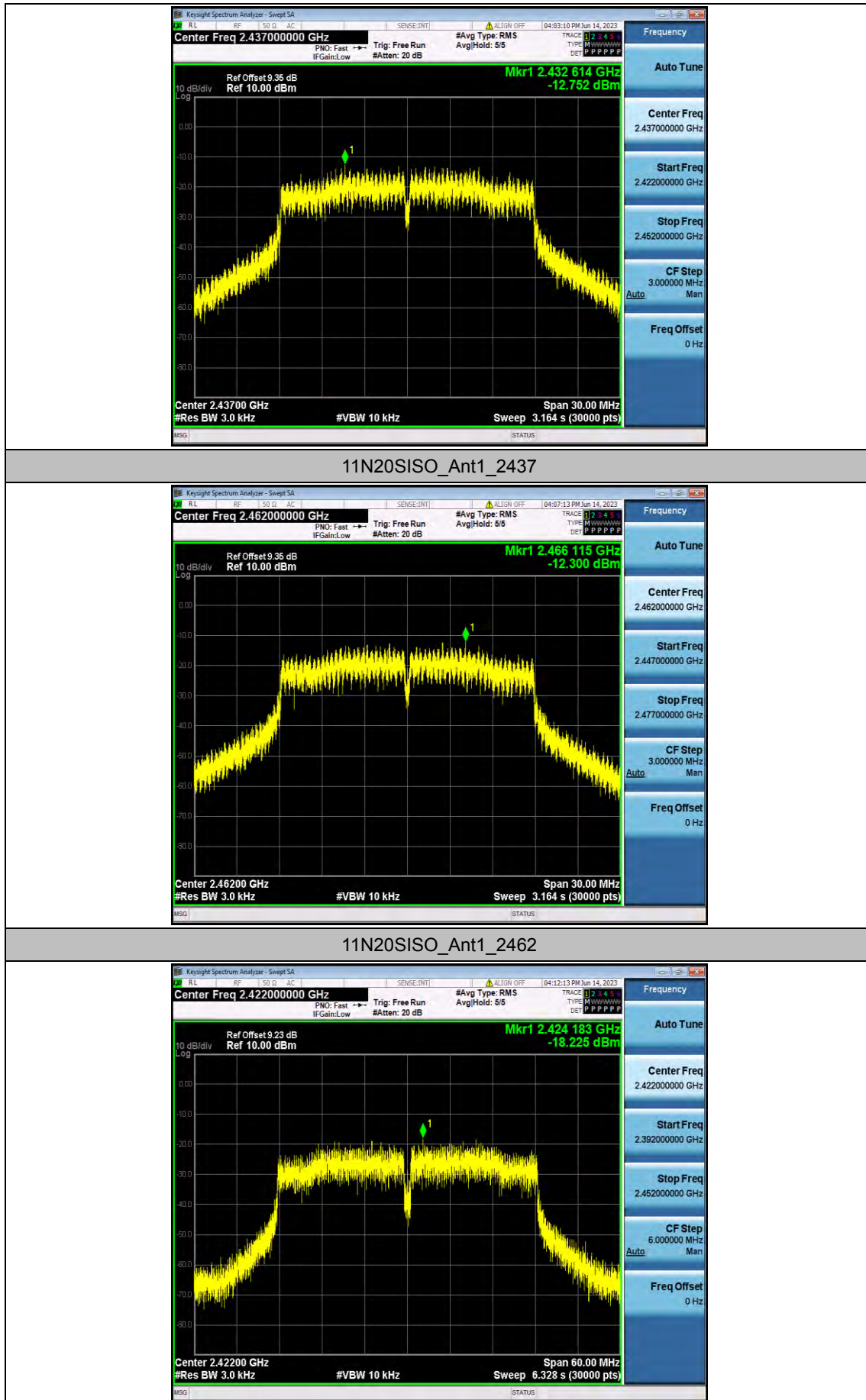
11G\_Ant1\_2437



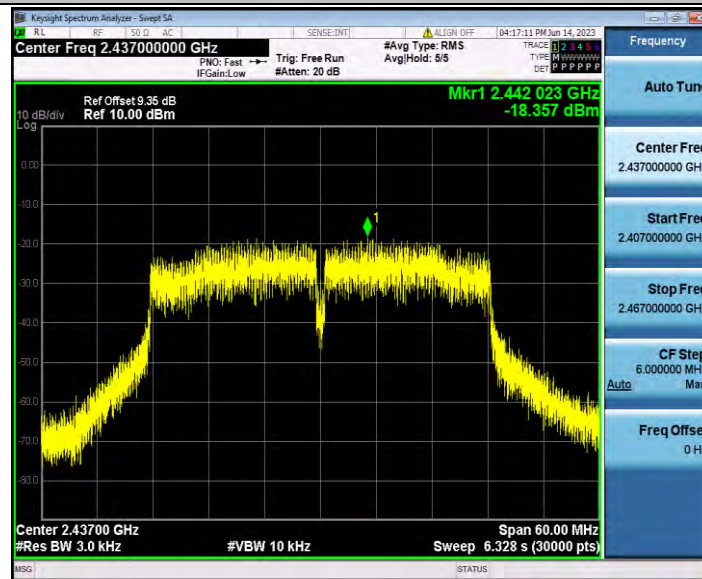
11G\_Ant1\_2462



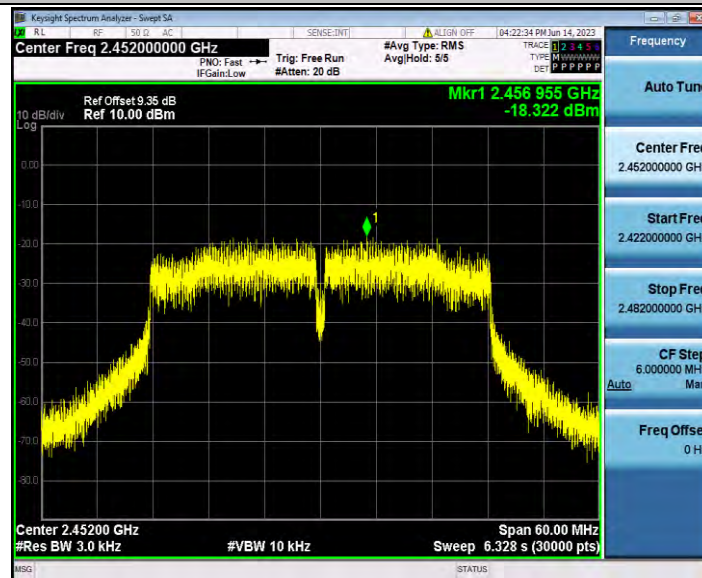
11N20SISO\_Ant1\_2412



11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



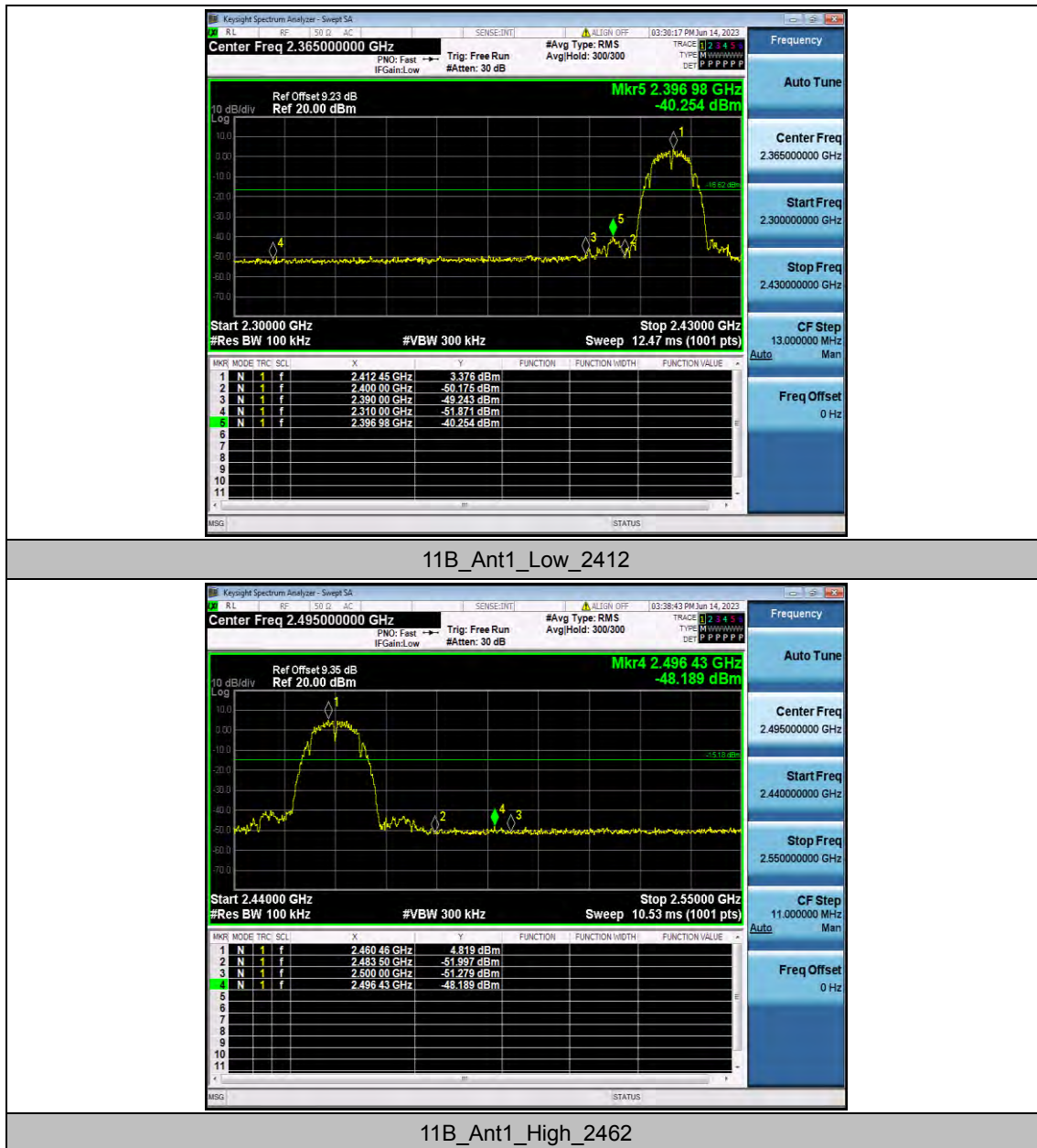
11N40SISO\_Ant1\_2452

## Appendix C.5: Band edge measurements

### Test Result

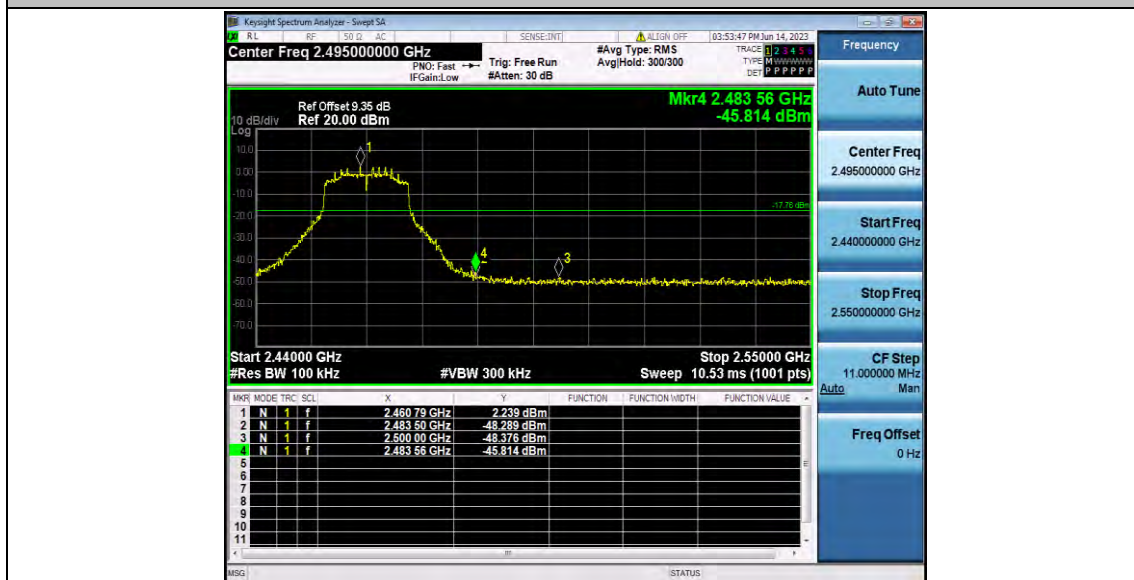
| Test Mode | Antenna | ChName | Frequency [MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|-----------------|---------------|-------------|---------------|---------|
| 11B       | Ant1    | Low    | 2412            | 3.38          | -40.25      | $\leq -16.62$ | PASS    |
|           |         | High   | 2462            | 4.82          | -48.19      | $\leq -15.18$ | PASS    |
| 11G       | Ant1    | Low    | 2412            | 3.40          | -26.29      | $\leq -16.6$  | PASS    |
|           |         | High   | 2462            | 2.24          | -45.81      | $\leq -17.76$ | PASS    |
| 11N20SISO | Ant1    | Low    | 2412            | 1.21          | -28.33      | $\leq -18.79$ | PASS    |
|           |         | High   | 2462            | 2.27          | -46.75      | $\leq -17.73$ | PASS    |
| 11N40SISO | Ant1    | Low    | 2422            | -3.71         | -35.79      | $\leq -23.71$ | PASS    |
|           |         | High   | 2452            | -3.04         | -40.76      | $\leq -23.04$ | PASS    |

## Test Graphs





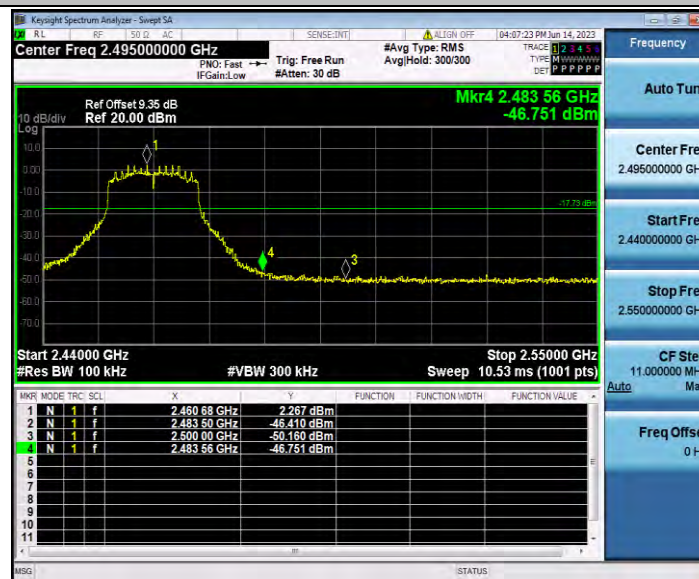
11G\_Ant1\_Low\_2412



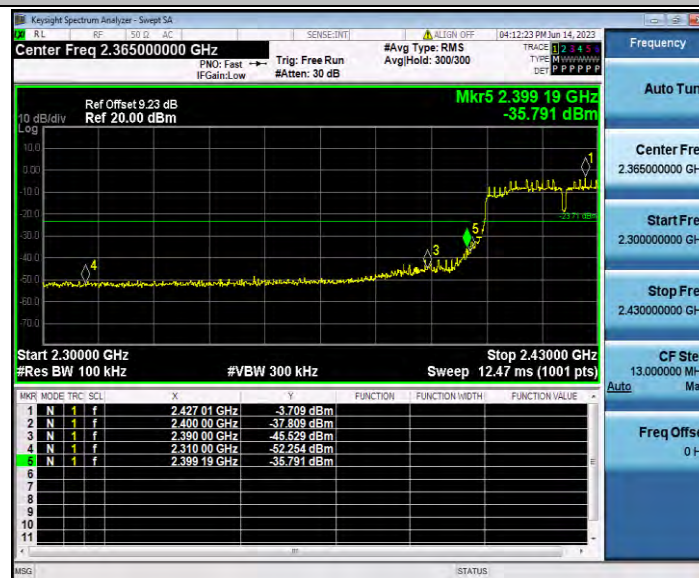
11G\_Ant1\_High\_2462



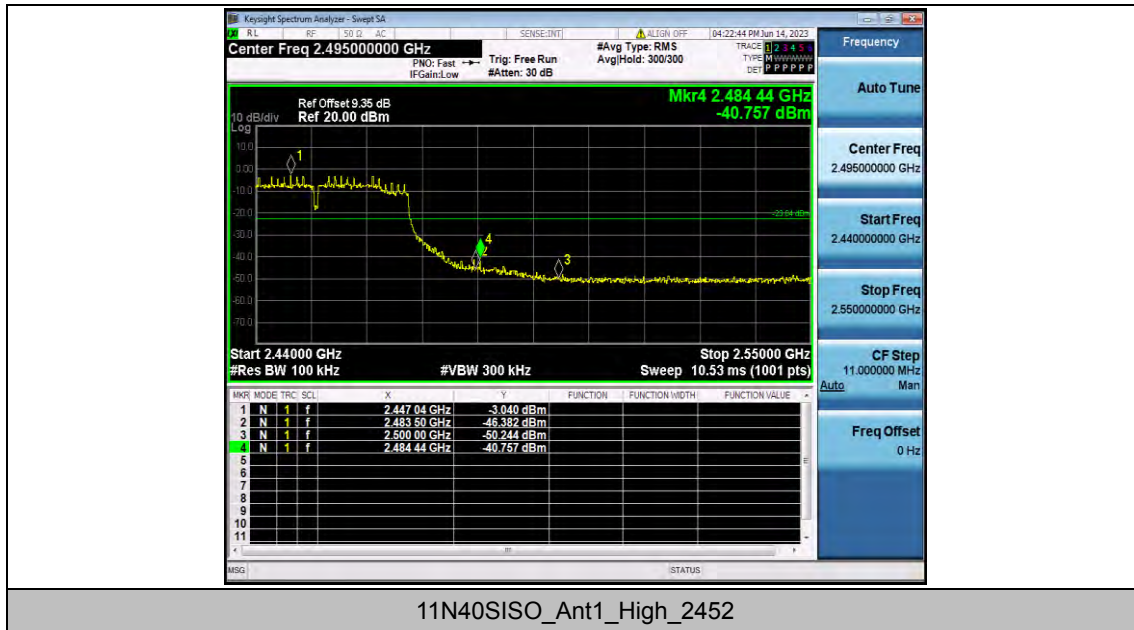
## 11N20SISO\_Ant1\_Low\_2412



## 11N20SISO\_Ant1\_High\_2462



## 11N40SISO\_Ant1\_Low\_2422

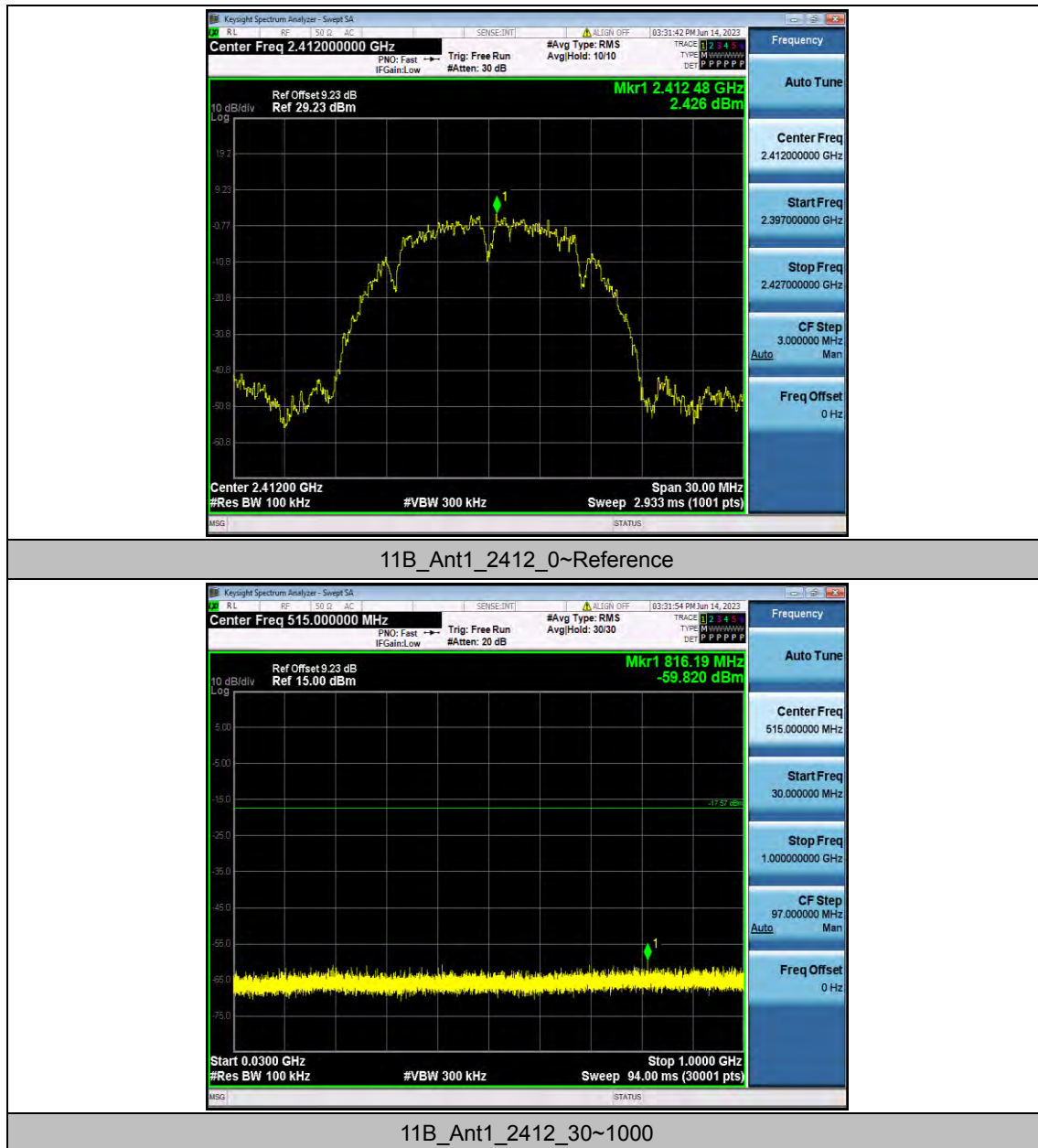


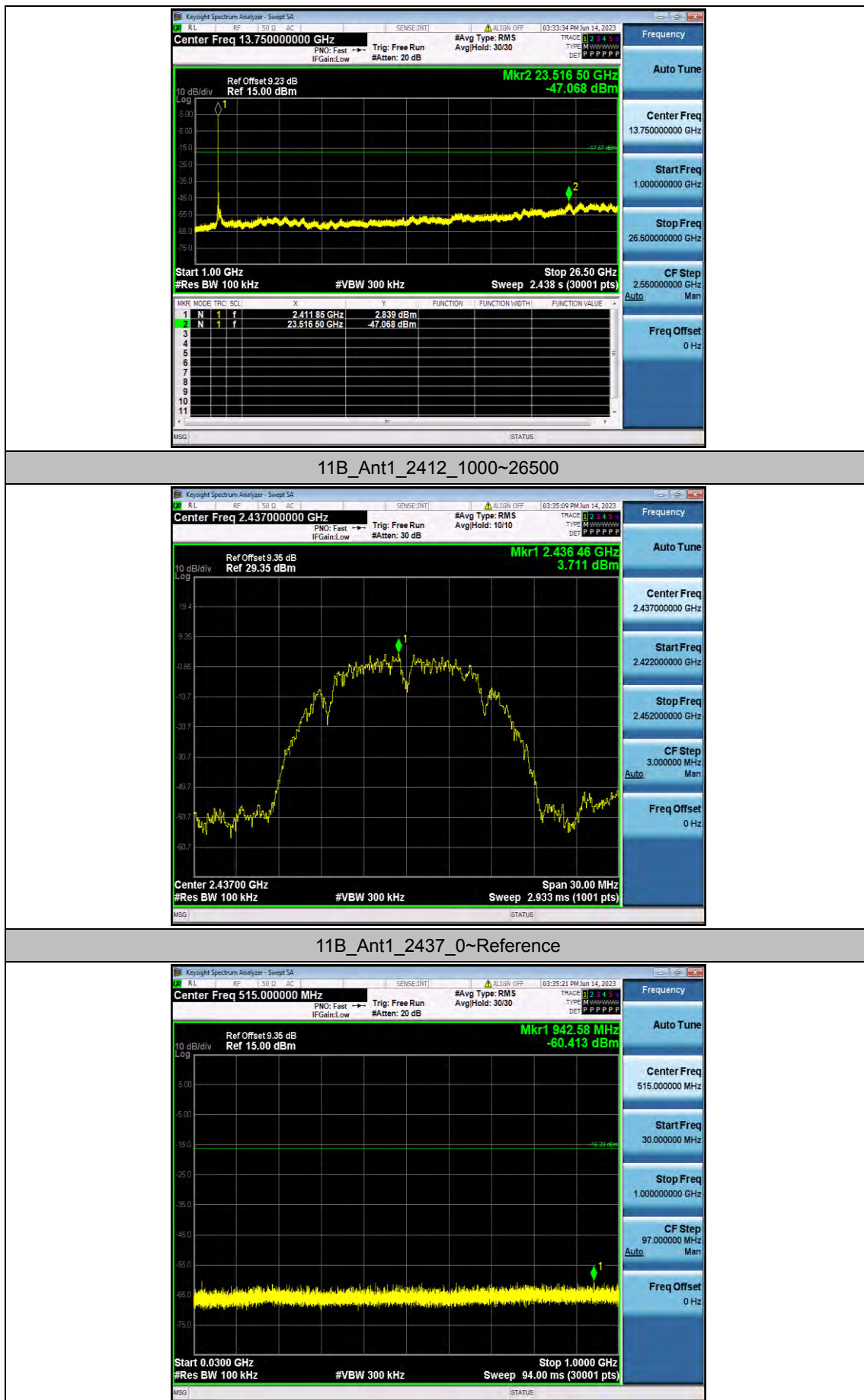
## Appendix C.6: Conducted Spurious Emission

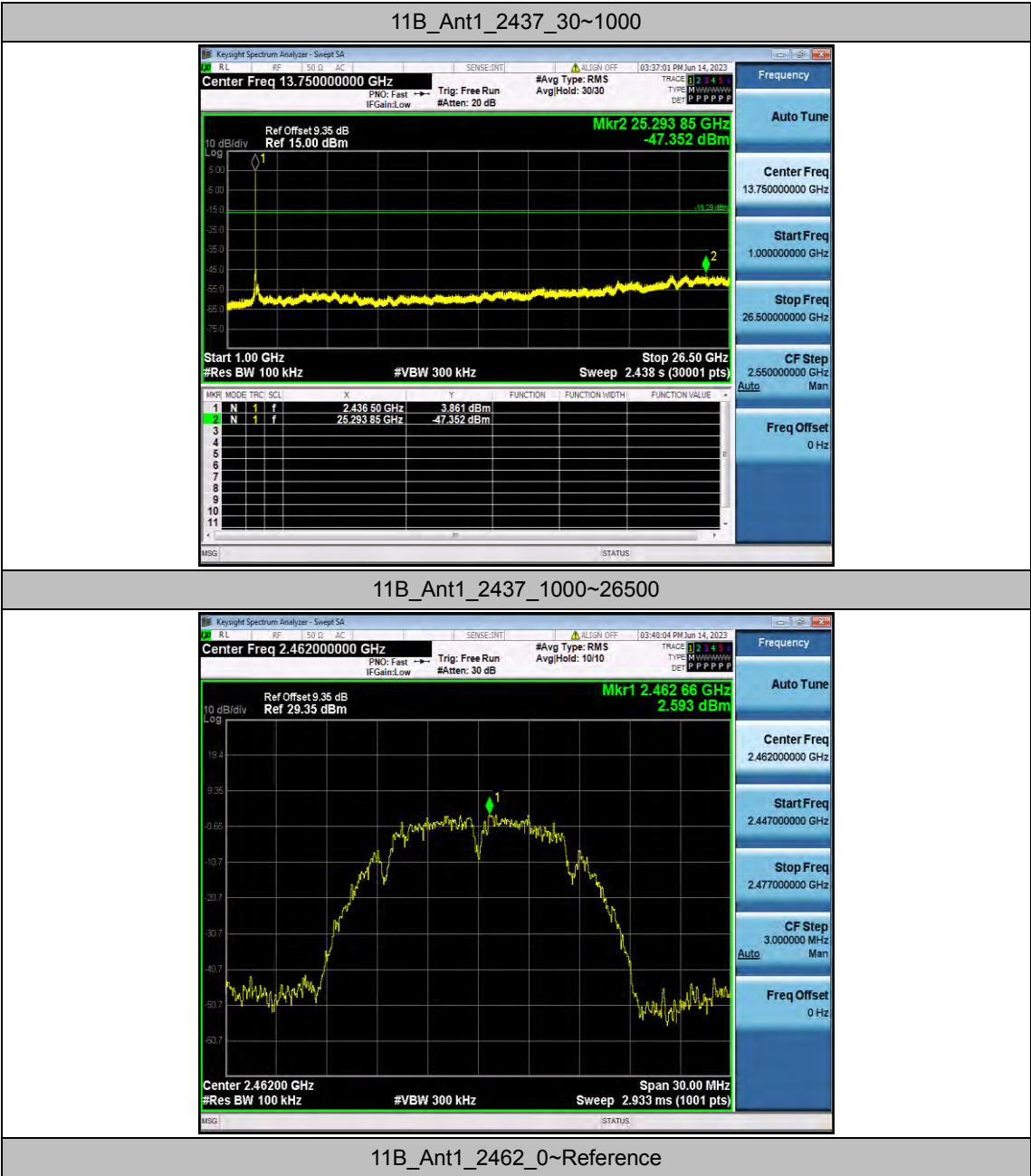
### Test Result

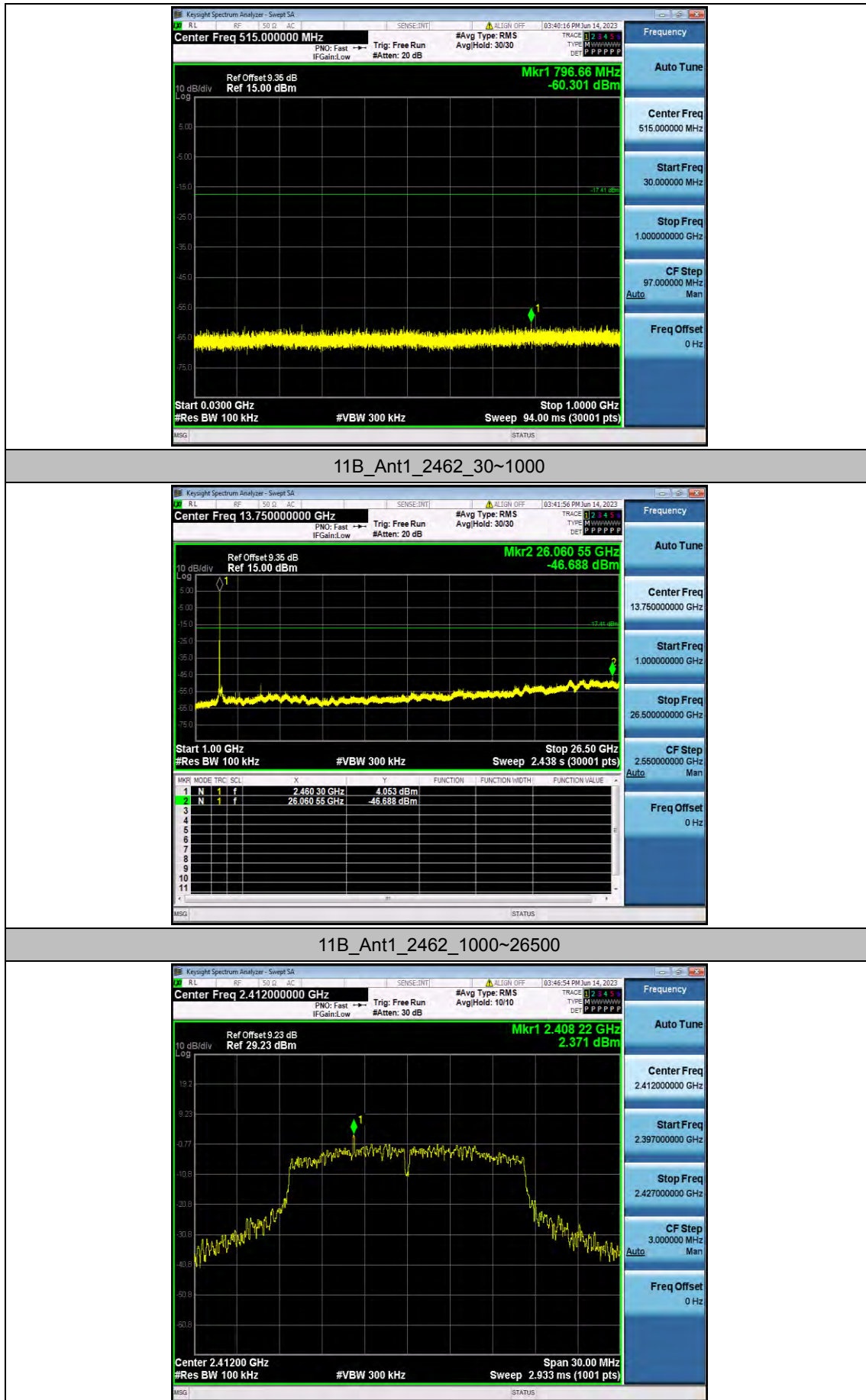
| Test Mode | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| 11B       | Ant1    | 2412           | Reference       | 2.43           | 2.43         | ---           | PASS    |
|           |         |                | 30~1000         | 2.43           | -59.82       | $\leq -17.57$ | PASS    |
|           |         |                | 1000~26500      | 2.43           | -47.07       | $\leq -17.57$ | PASS    |
|           |         | 2437           | Reference       | 3.71           | 3.71         | ---           | PASS    |
|           |         |                | 30~1000         | 3.71           | -60.41       | $\leq -16.29$ | PASS    |
|           |         |                | 1000~26500      | 3.71           | -47.35       | $\leq -16.29$ | PASS    |
|           |         | 2462           | Reference       | 2.59           | 2.59         | ---           | PASS    |
|           |         |                | 30~1000         | 2.59           | -60.3        | $\leq -17.41$ | PASS    |
|           |         |                | 1000~26500      | 2.59           | -46.69       | $\leq -17.41$ | PASS    |
| 11G       | Ant1    | 2412           | Reference       | 2.37           | 2.37         | ---           | PASS    |
|           |         |                | 30~1000         | 2.37           | -54.25       | $\leq -17.63$ | PASS    |
|           |         |                | 1000~26500      | 2.37           | -46.65       | $\leq -17.63$ | PASS    |
|           |         | 2437           | Reference       | -1.30          | -1.30        | ---           | PASS    |
|           |         |                | 30~1000         | -1.30          | -60.75       | $\leq -21.3$  | PASS    |
|           |         |                | 1000~26500      | -1.30          | -47          | $\leq -21.3$  | PASS    |
|           |         | 2462           | Reference       | 2.16           | 2.16         | ---           | PASS    |
|           |         |                | 30~1000         | 2.16           | -60.32       | $\leq -17.84$ | PASS    |
|           |         |                | 1000~26500      | 2.16           | -47.8        | $\leq -17.84$ | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | 1.75           | 1.75         | ---           | PASS    |
|           |         |                | 30~1000         | 1.75           | -46.46       | $\leq -18.25$ | PASS    |
|           |         |                | 1000~26500      | 1.75           | -47.13       | $\leq -18.25$ | PASS    |
|           |         | 2437           | Reference       | -2.17          | -2.17        | ---           | PASS    |
|           |         |                | 30~1000         | -2.17          | -59.5        | $\leq -22.17$ | PASS    |
|           |         |                | 1000~26500      | -2.17          | -47.32       | $\leq -22.17$ | PASS    |
|           |         | 2462           | Reference       | -0.76          | -0.76        | ---           | PASS    |
|           |         |                | 30~1000         | -0.76          | -60.52       | $\leq -20.76$ | PASS    |
|           |         |                | 1000~26500      | -0.76          | -47.05       | $\leq -20.76$ | PASS    |
| 11N40SISO | Ant1    | 2422           | Reference       | -4.60          | -4.60        | ---           | PASS    |
|           |         |                | 30~1000         | -4.60          | -60.35       | $\leq -24.6$  | PASS    |
|           |         |                | 1000~26500      | -4.60          | -47.22       | $\leq -24.6$  | PASS    |
|           |         | 2437           | Reference       | -5.11          | -5.11        | ---           | PASS    |
|           |         |                | 30~1000         | -5.11          | -60.62       | $\leq -25.11$ | PASS    |
|           |         |                | 1000~26500      | -5.11          | -47.1        | $\leq -25.11$ | PASS    |
|           |         | 2452           | Reference       | -4.65          | -4.65        | ---           | PASS    |
|           |         |                | 30~1000         | -4.65          | -60.16       | $\leq -24.65$ | PASS    |
|           |         |                | 1000~26500      | -4.65          | -46.88       | $\leq -24.65$ | PASS    |

## Test Graphs

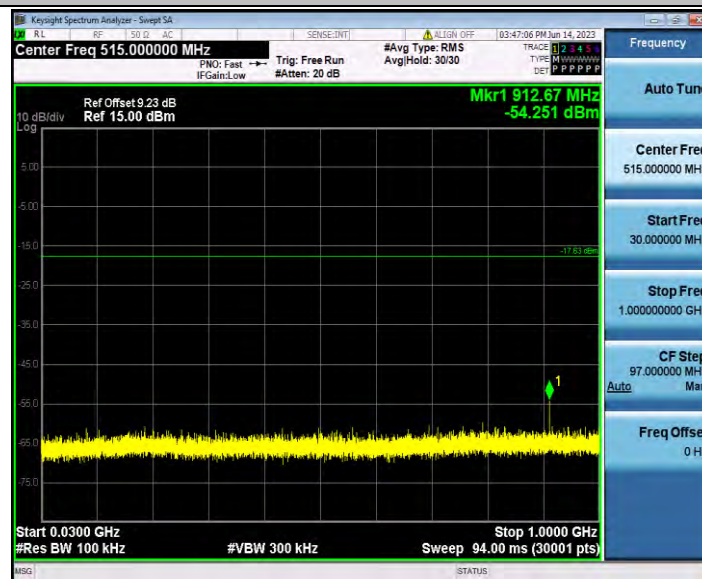








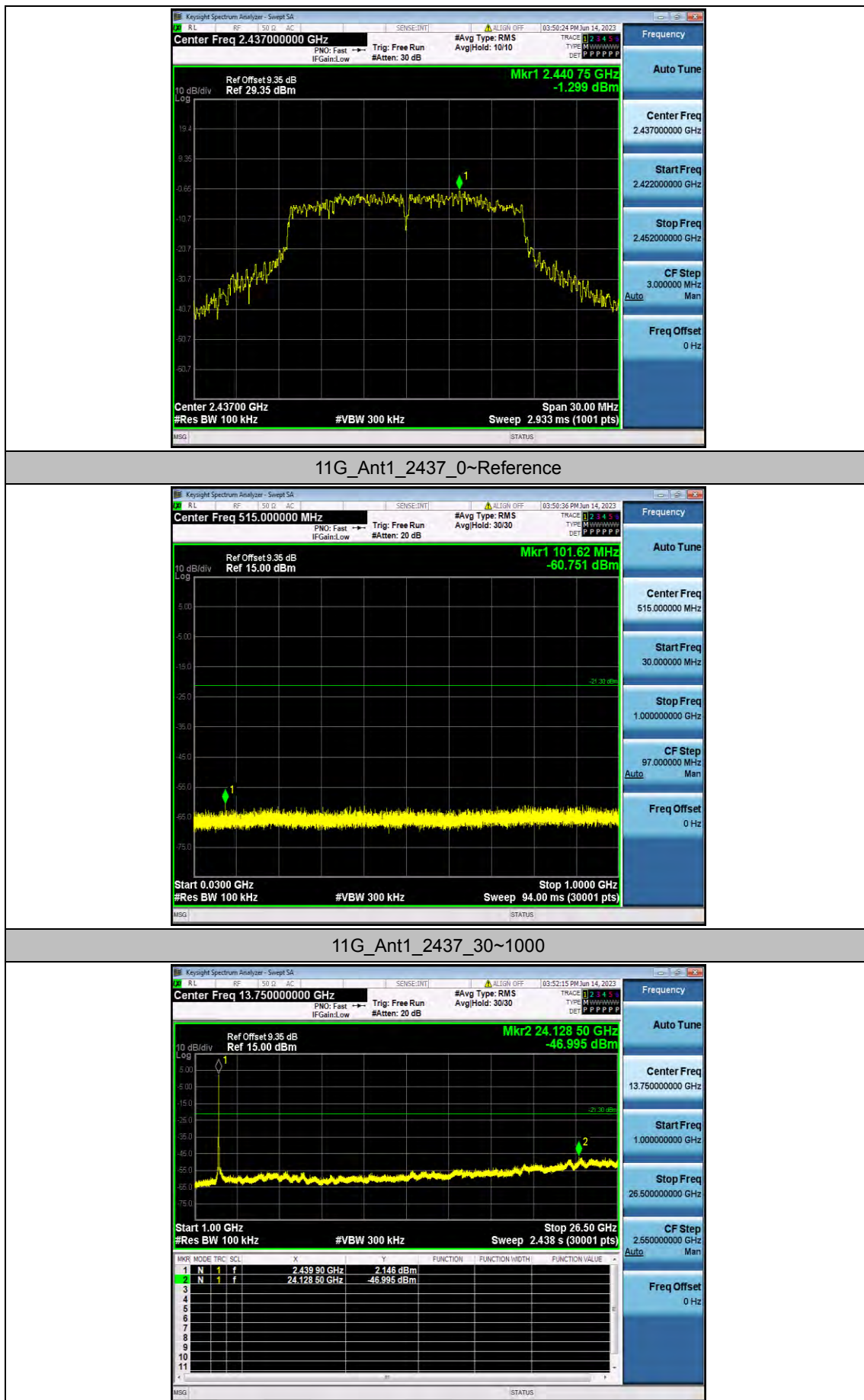
## 11G\_Ant1\_2412\_0~Reference



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



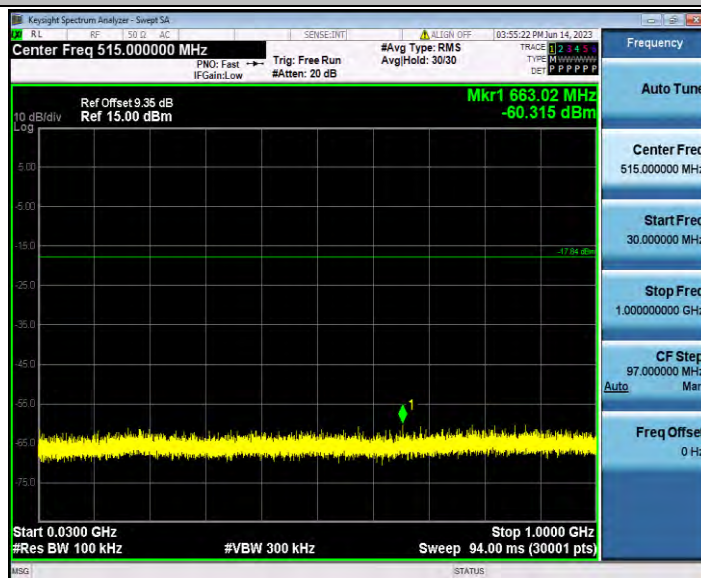
## 11G\_Ant1\_2412\_1000~26500



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



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



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



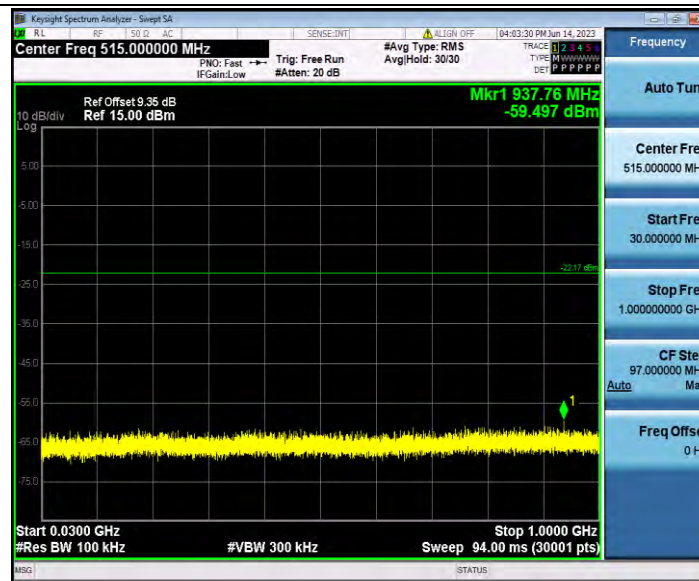
## 11N20SISO\_Ant1\_2412\_30~1000



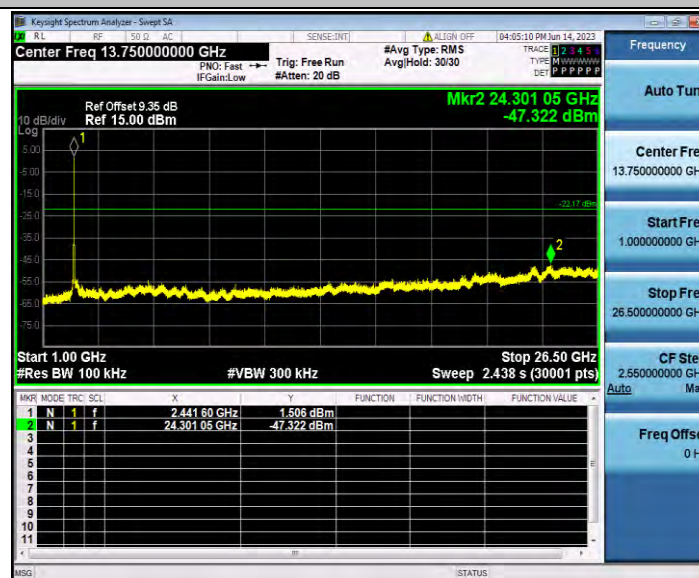
## 11N20SISO\_Ant1\_2412\_1000~26500



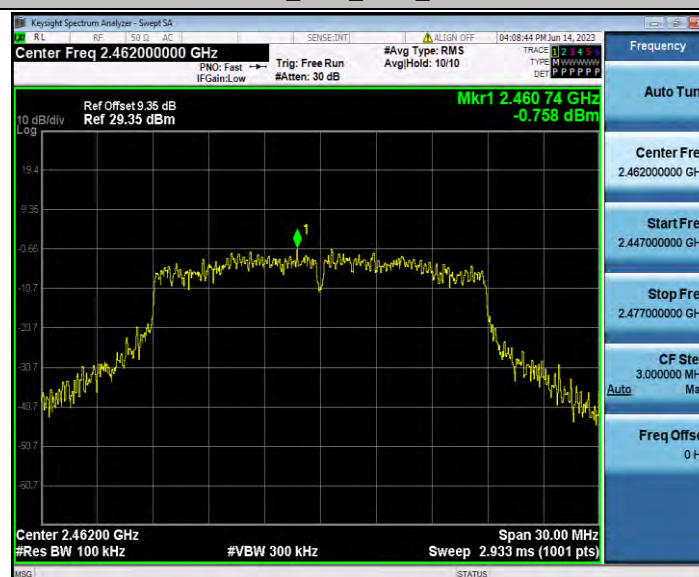
## 11N20SISO\_Ant1\_2437\_0~Reference



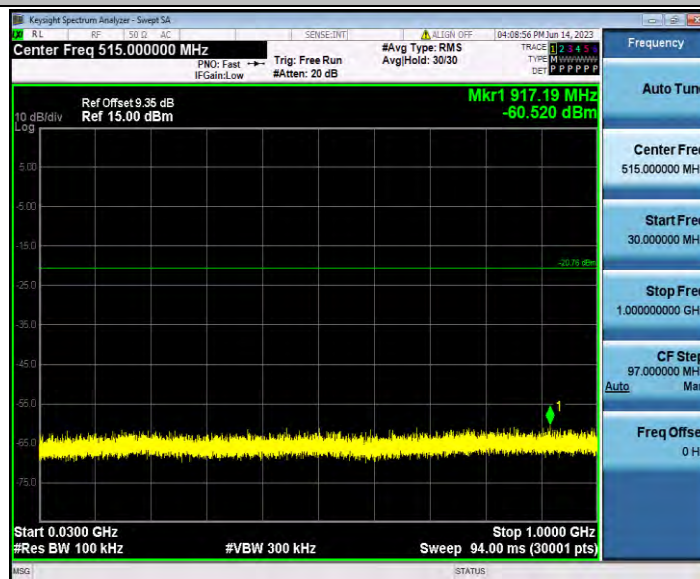
11N20SISO\_Ant1\_2437\_30~1000



11N20SISO\_Ant1\_2437\_1000~26500



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



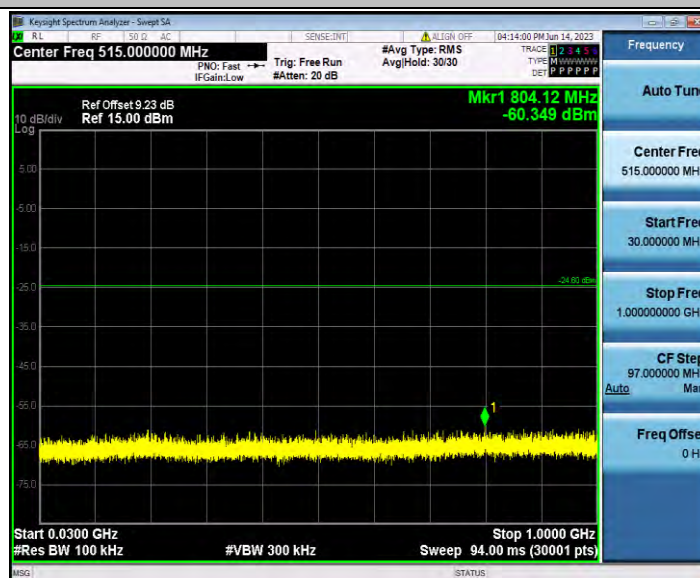
## 11N20SISO\_Ant1\_2462\_30~1000



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



11N40SISO\_Ant1\_2422\_0~Reference



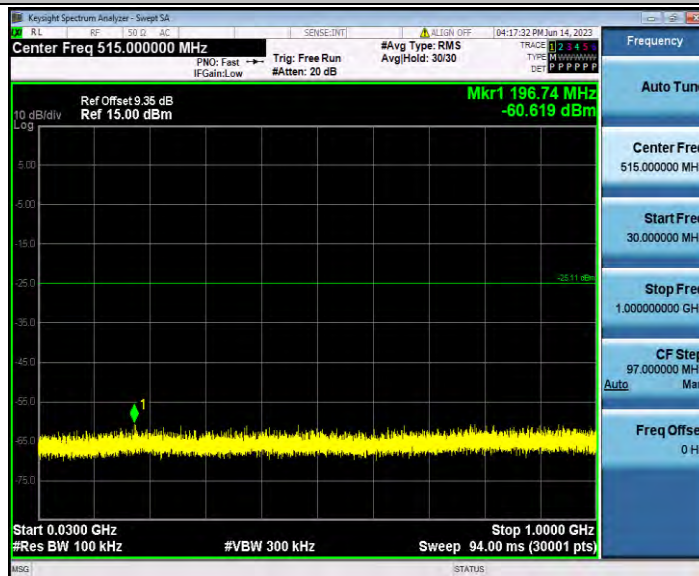
11N40SISO\_Ant1\_2422\_30~1000



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



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



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

