

|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| <b>Case No. :</b> <u>GTS20220924005-1-3</u>                           |                                         |
| <b>Ambient Condition:</b> <u>26</u> °C, <u>46</u> %RH, Atmos100.1Kpa, |                                         |
| <b>Test Date:</b> <u>2022.10.13</u>                                   | <b>Test Engineer:</b> <u>Jenny zeng</u> |

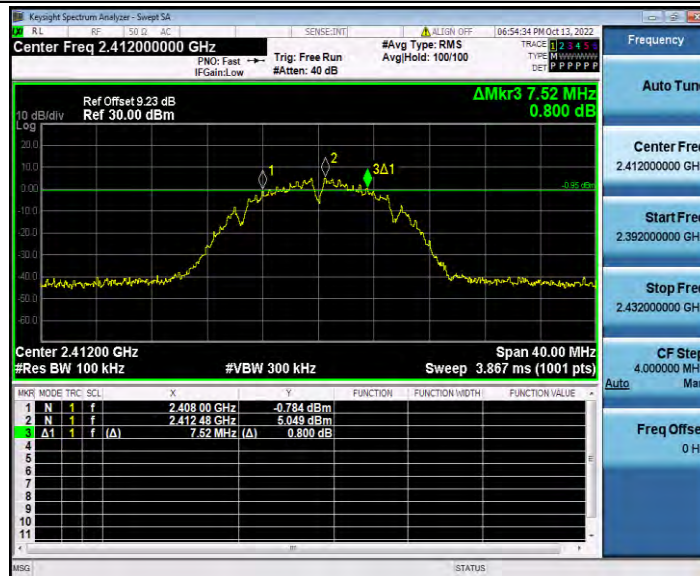
## Appendix B.1: DTS Bandwidth

### Test Result

| TestMode  | Antenna | Frequency[MHz] | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412           | 7.520           | 2408.000 | 2415.520 | 0.5        | PASS    |
|           |         | 2437           | 6.480           | 2433.960 | 2440.440 | 0.5        | PASS    |
|           |         | 2462           | 7.520           | 2458.000 | 2465.520 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 14.680          | 2404.440 | 2419.120 | 0.5        | PASS    |
|           |         | 2437           | 15.040          | 2429.440 | 2444.480 | 0.5        | PASS    |
|           |         | 2462           | 13.560          | 2455.320 | 2468.880 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 15.120          | 2404.440 | 2419.560 | 0.5        | PASS    |
|           |         | 2437           | 15.040          | 2429.480 | 2444.520 | 0.5        | PASS    |
|           |         | 2462           | 15.080          | 2454.480 | 2469.560 | 0.5        | PASS    |

## Test Graphs

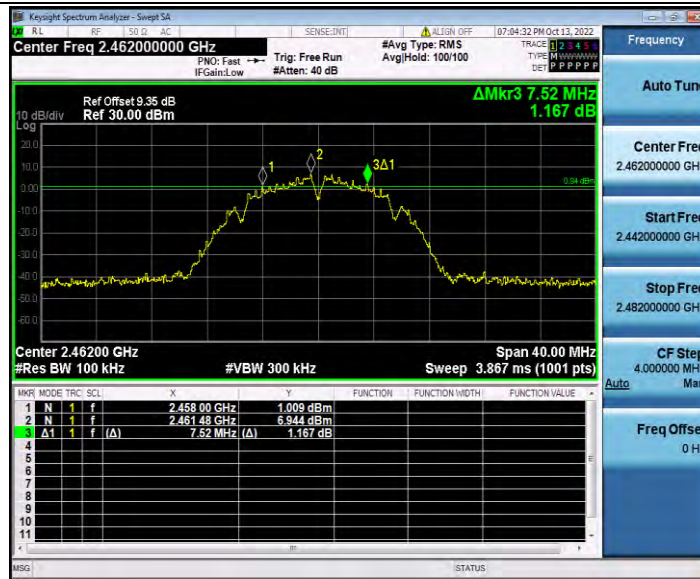
11B\_Ant1\_2412



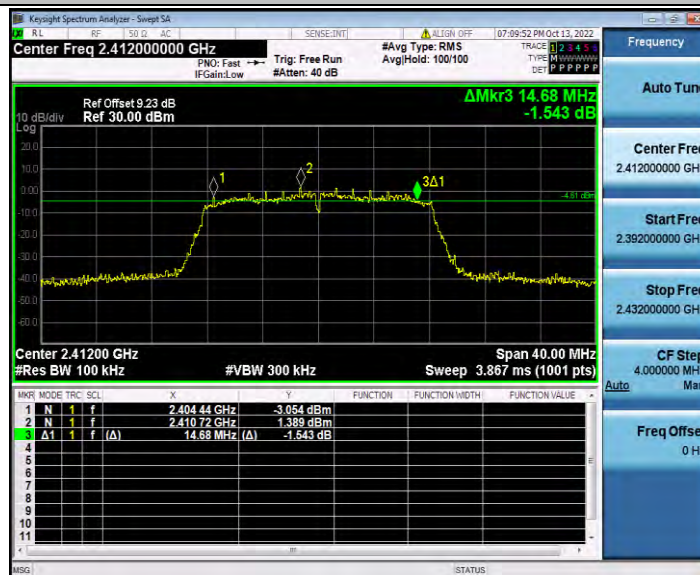
11B\_Ant1\_2437



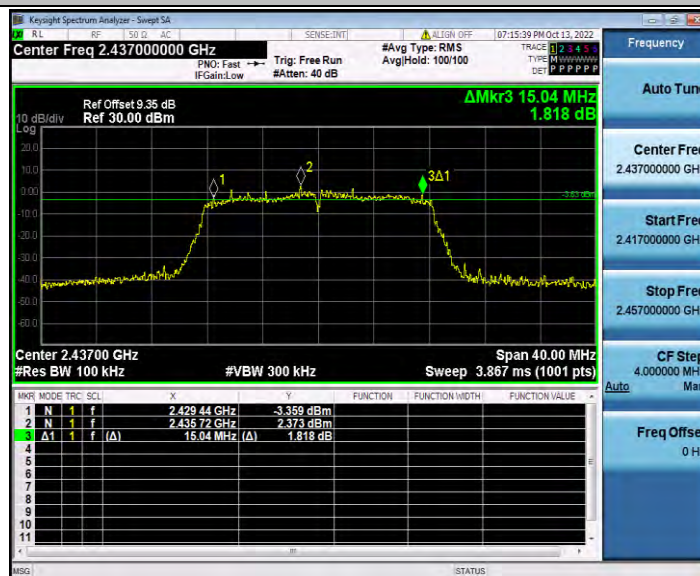
11B\_Ant1\_2462



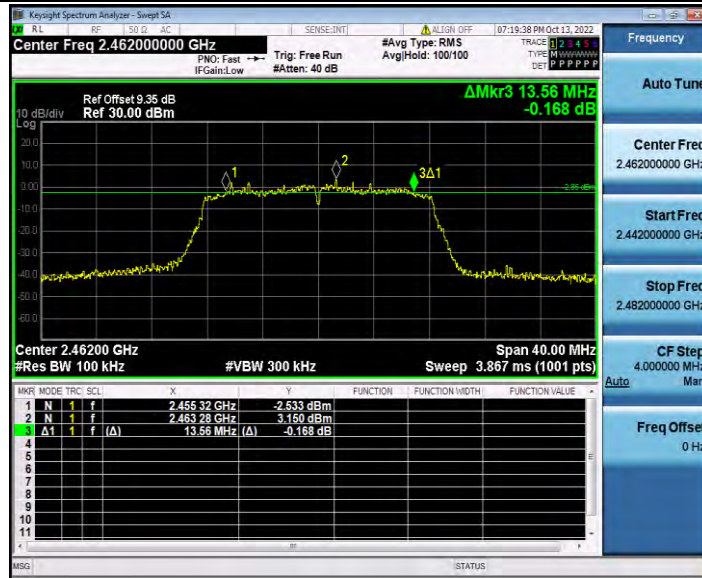
11G\_Ant1\_2412



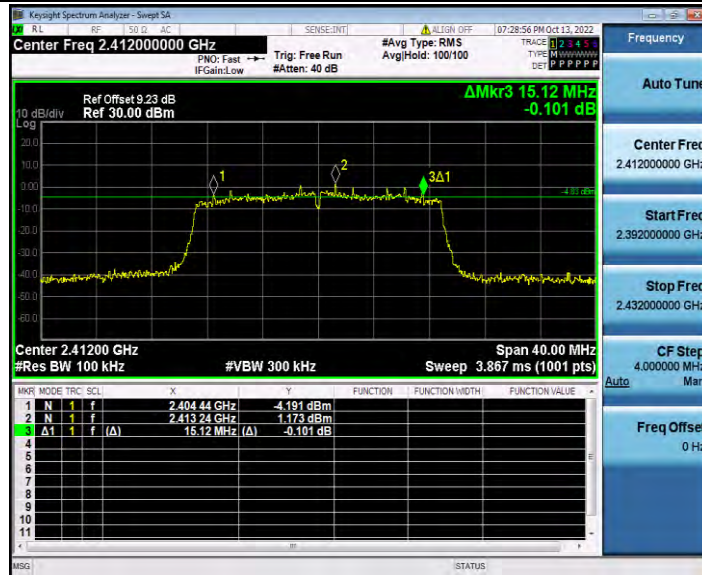
11G\_Ant1\_2437



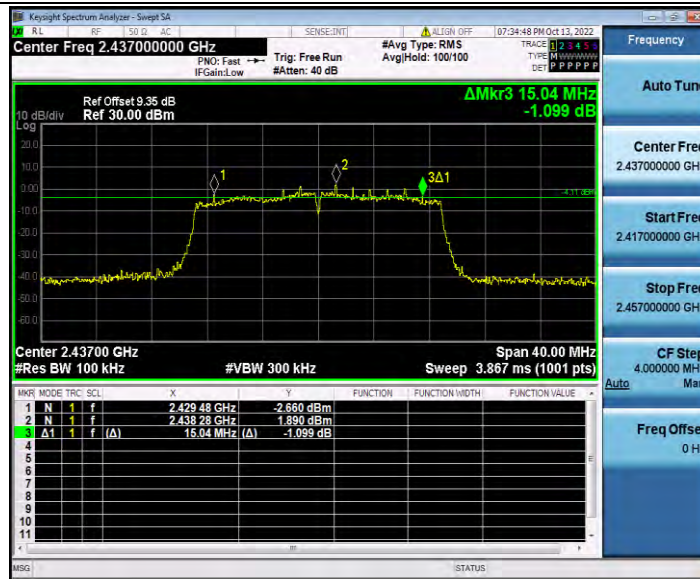
# 11G\_Ant1\_2462



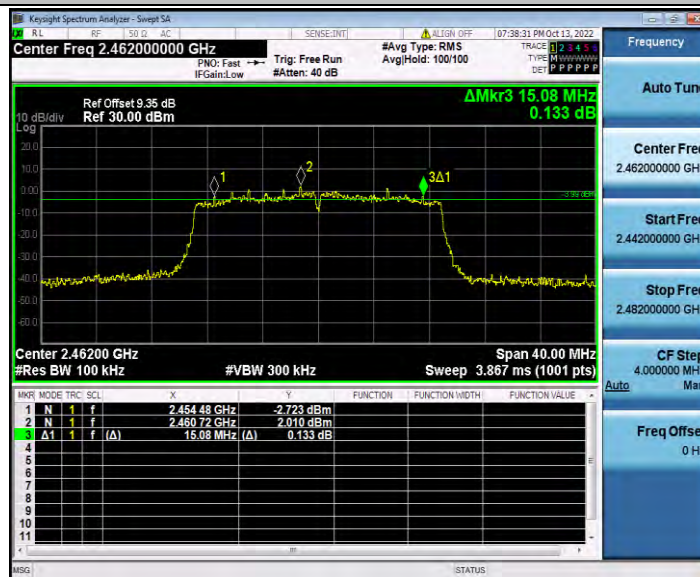
# 11N20SISO\_Ant1\_2412



# 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



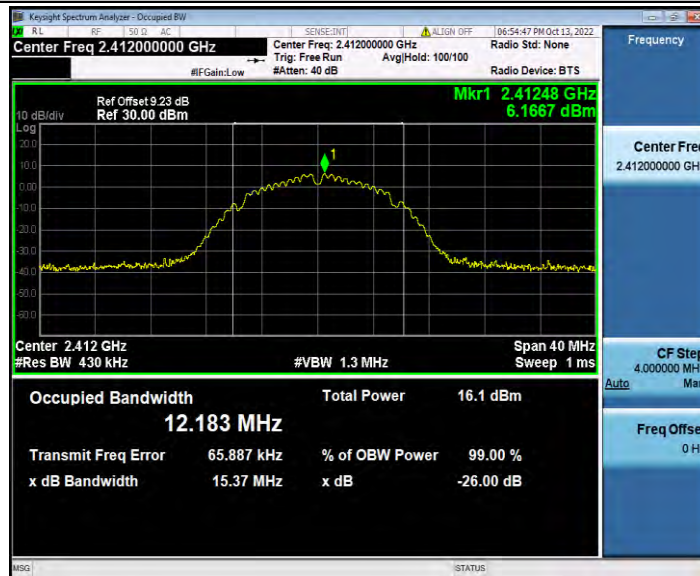
## Appendix B.2: Occupied Channel Bandwidth

### Test Result

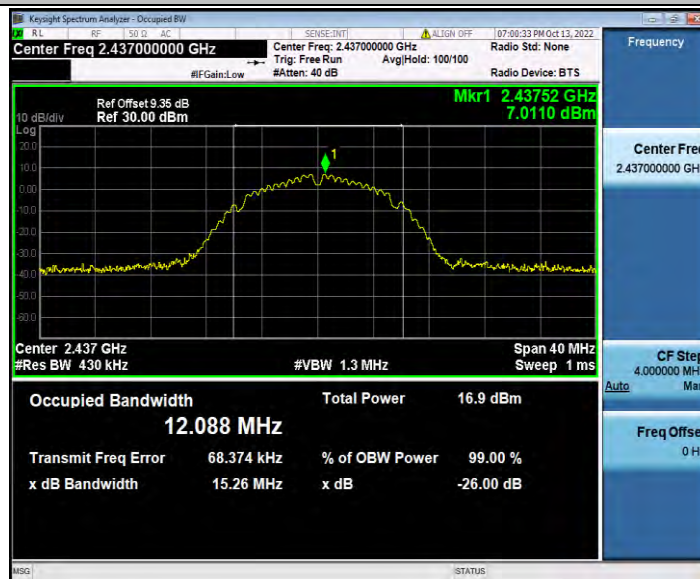
| TestMode  | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------------------------|--------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412                      | 12.183       | 2405.974 | 2418.157 | ---        | ---     |
|           |         | 2437                      | 12.088       | 2431.024 | 2443.112 | ---        | ---     |
|           |         | 2462                      | 12.112       | 2455.977 | 2468.089 | ---        | ---     |
| 11G       | Ant1    | 2412                      | 16.676       | 2403.678 | 2420.354 | ---        | ---     |
|           |         | 2437                      | 16.648       | 2428.726 | 2445.374 | ---        | ---     |
|           |         | 2462                      | 16.594       | 2453.733 | 2470.327 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                      | 17.554       | 2403.261 | 2420.815 | ---        | ---     |
|           |         | 2437                      | 17.585       | 2428.240 | 2445.825 | ---        | ---     |
|           |         | 2462                      | 17.571       | 2453.234 | 2470.805 | ---        | ---     |

## Test Graphs

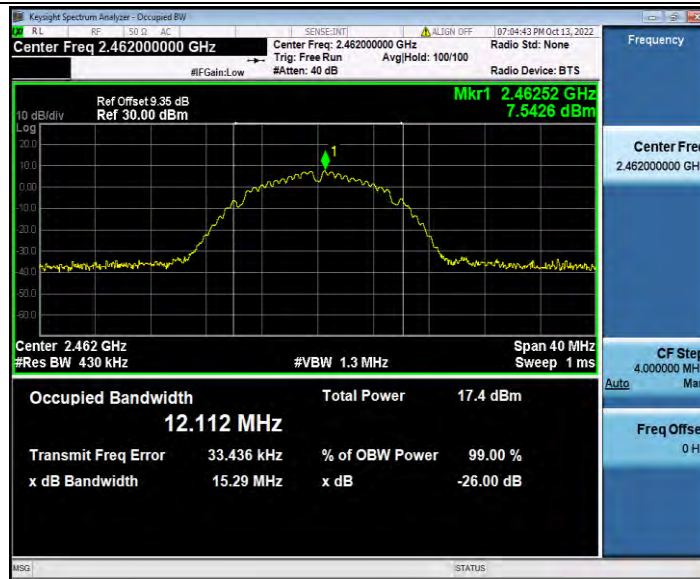
11B\_Ant1\_2412



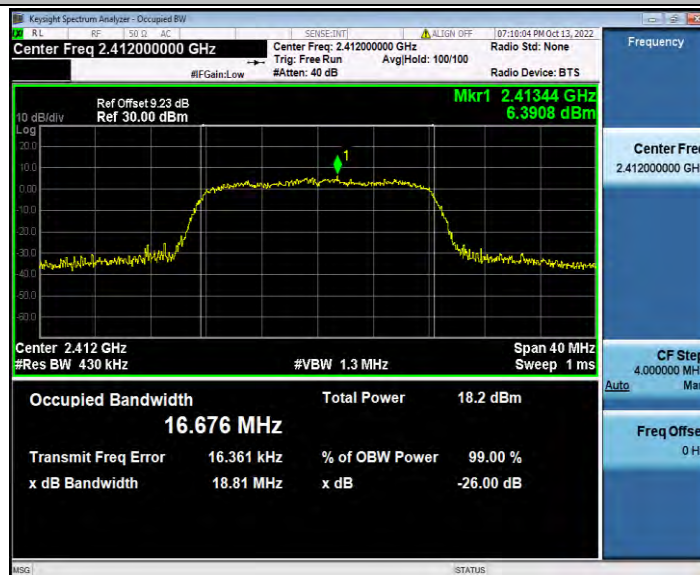
11B\_Ant1\_2437



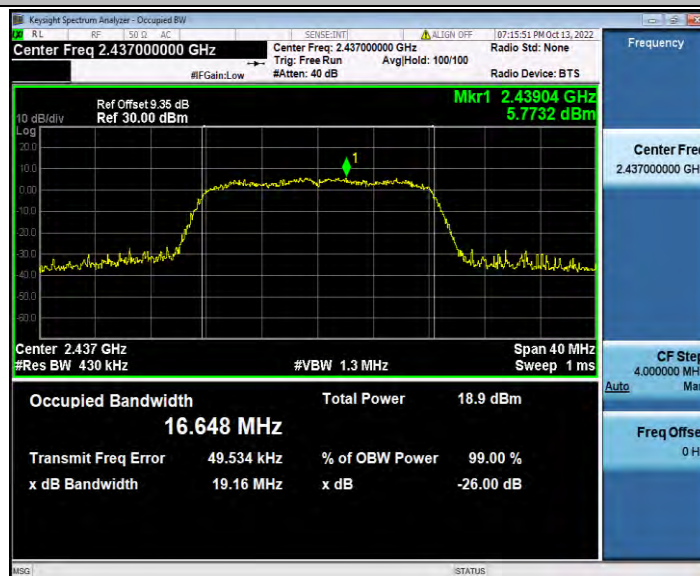
11B\_Ant1\_2462



11G\_Ant1\_2412



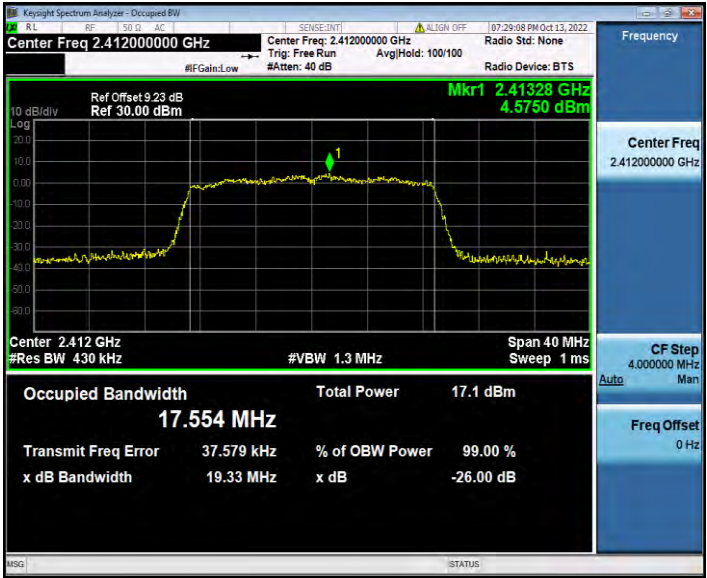
11G\_Ant1\_2437



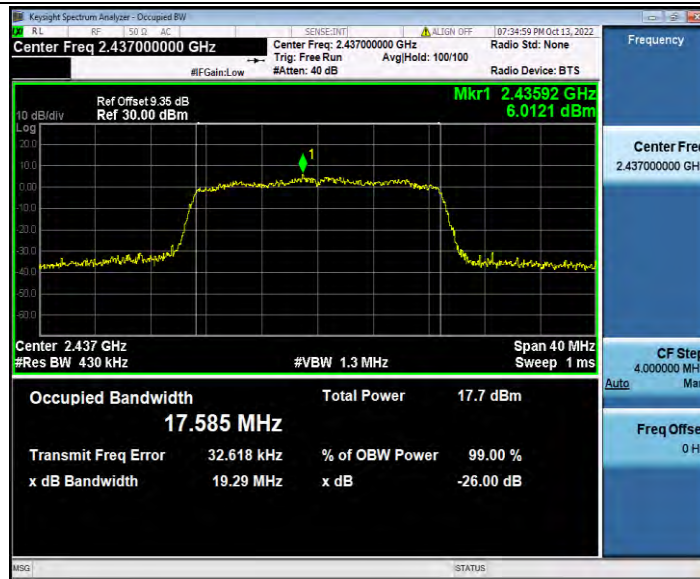
11G\_Ant1\_2462



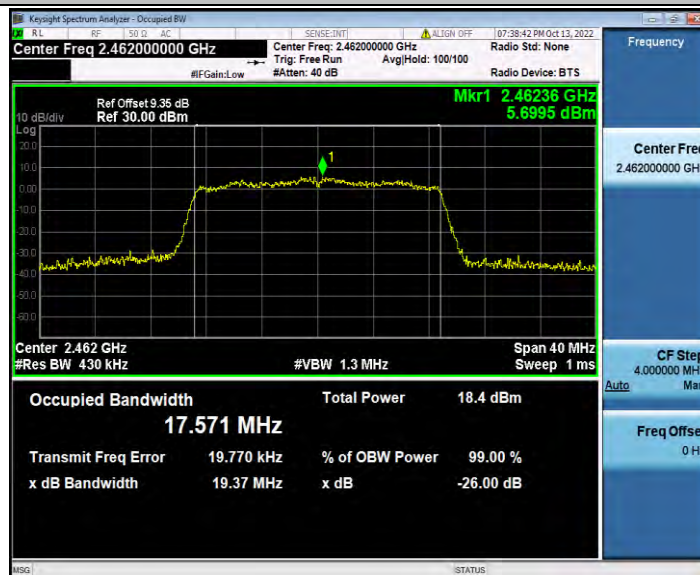
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



## Appendix B.3: Maximum conducted output power

### Test Result Peak

| TestMode  | Antenna | Frequency[MHz] | Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------------|---------|
| 11B       | Ant1    | 2412           | 16.11           | ≤30.00               | PASS    |
|           |         | 2437           | 16.90           | ≤30.00               | PASS    |
|           |         | 2462           | 17.44           | ≤30.00               | PASS    |
| 11G       | Ant1    | 2412           | 19.25           | ≤30.00               | PASS    |
|           |         | 2437           | 20.15           | ≤30.00               | PASS    |
|           |         | 2462           | 20.90           | ≤30.00               | PASS    |
| 11N20SISO | Ant1    | 2412           | 18.27           | ≤30.00               | PASS    |
|           |         | 2437           | 19.01           | ≤30.00               | PASS    |
|           |         | 2462           | 19.77           | ≤30.00               | PASS    |

## Appendix B.4: Maximum power spectral density

### Test Result

| TestMode  | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -7.85                | ≤8.00           | PASS    |
|           |         | 2437           | -8.04                | ≤8.00           | PASS    |
|           |         | 2462           | -6.84                | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -12.8                | ≤8.00           | PASS    |
|           |         | 2437           | -11.99               | ≤8.00           | PASS    |
|           |         | 2462           | -10.24               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -13.71               | ≤8.00           | PASS    |
|           |         | 2437           | -11.93               | ≤8.00           | PASS    |
|           |         | 2462           | -12.63               | ≤8.00           | PASS    |

## Test Graphs

11B\_Ant1\_2412



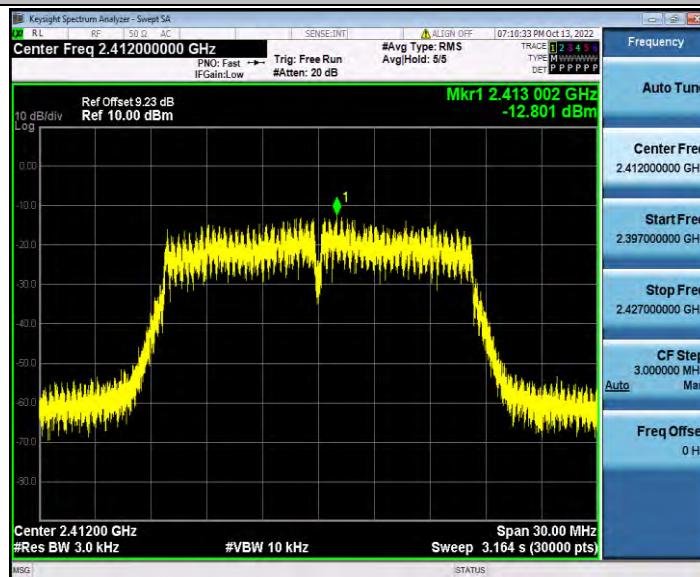
11B\_Ant1\_2437



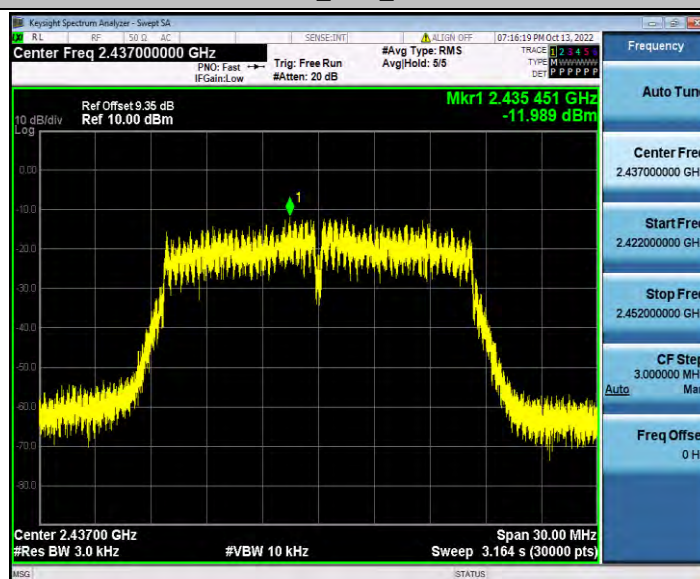
11B\_Ant1\_2462



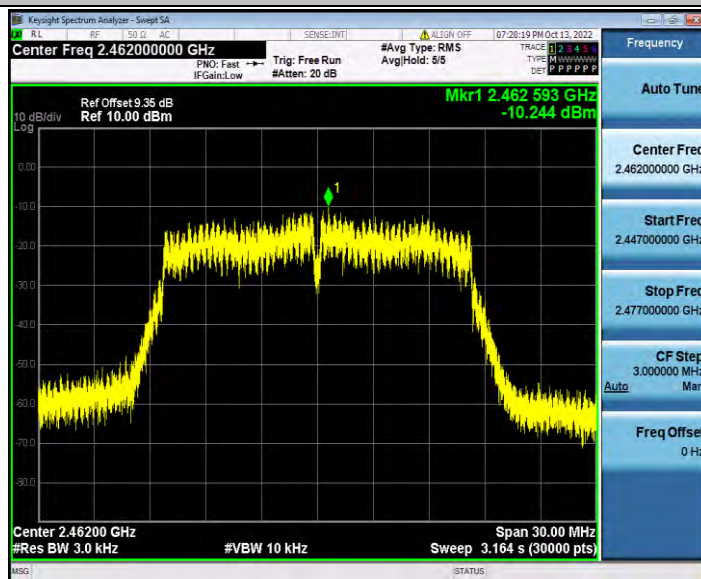
11G\_Ant1\_2412



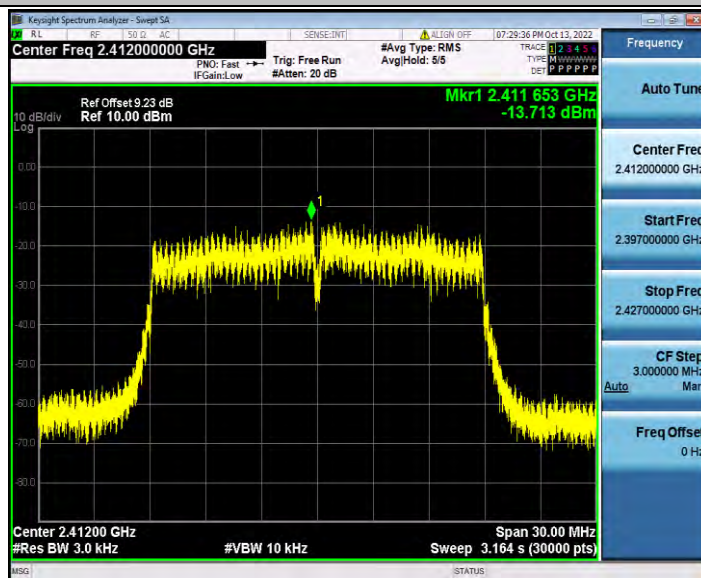
11G\_Ant1\_2437



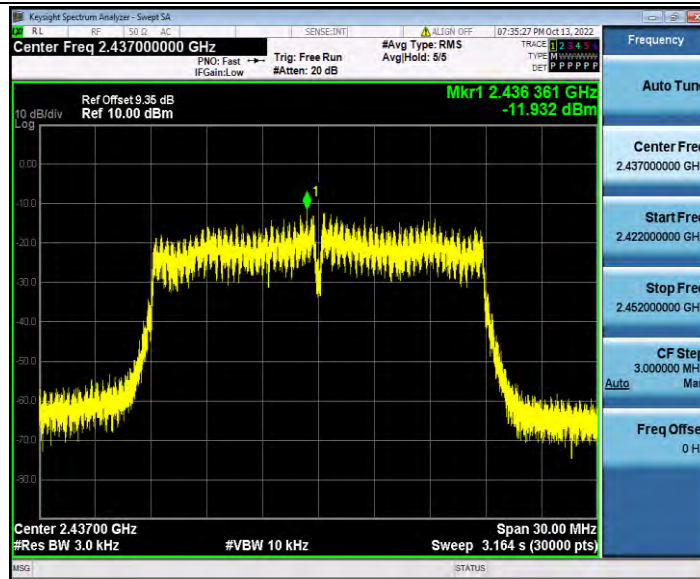
# 11G\_Ant1\_2462



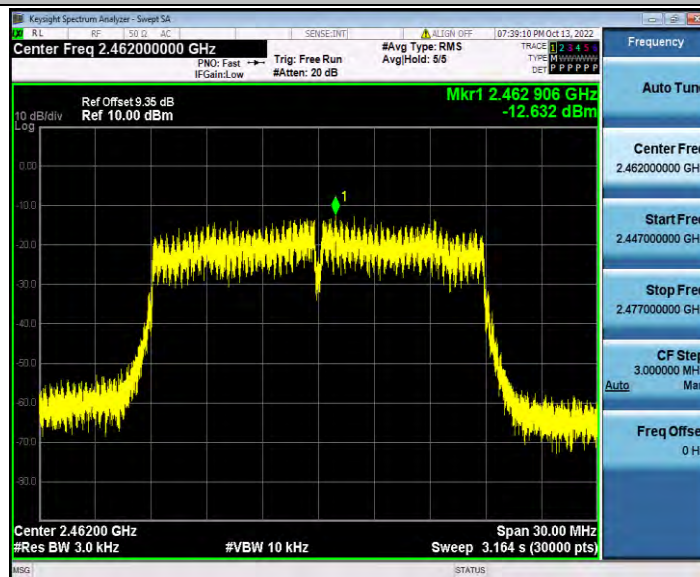
# 11N20SISO\_Ant1\_2412



# 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



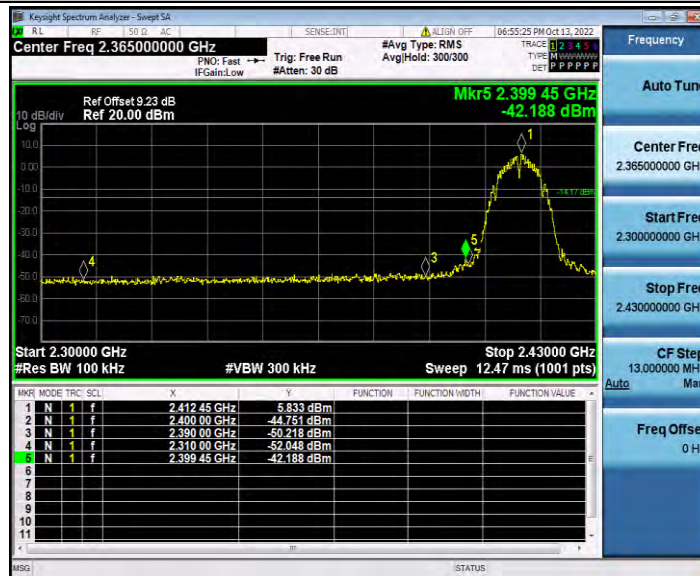
## Appendix B.5: Band edge measurements

### Test Result

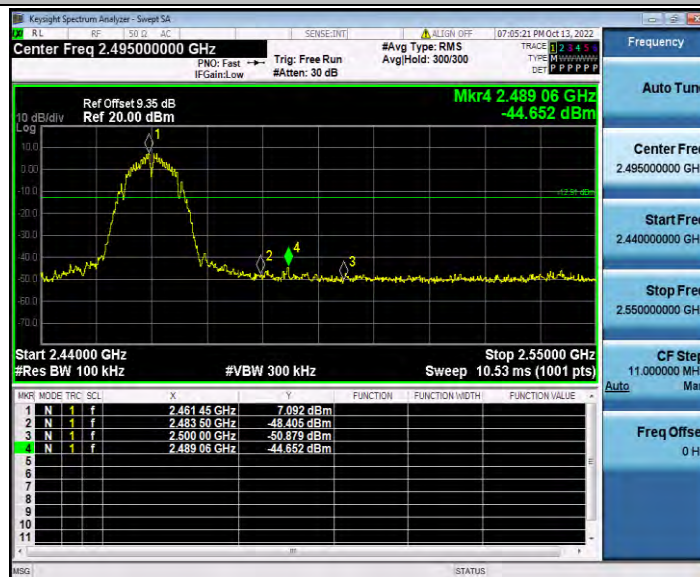
| TestMode  | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|----------------|---------------|-------------|---------------|---------|
| 11B       | Ant1    | Low    | 2412           | 5.83          | -42.19      | $\leq -14.17$ | PASS    |
|           |         | High   | 2462           | 7.09          | -44.65      | $\leq -12.91$ | PASS    |
| 11G       | Ant1    | Low    | 2412           | 2.31          | -37.09      | $\leq -17.69$ | PASS    |
|           |         | High   | 2462           | 3.75          | -45.38      | $\leq -16.25$ | PASS    |
| 11N20SISO | Ant1    | Low    | 2412           | 1.22          | -39.65      | $\leq -18.78$ | PASS    |
|           |         | High   | 2462           | 2.74          | -46.1       | $\leq -17.26$ | PASS    |

## Test Graphs

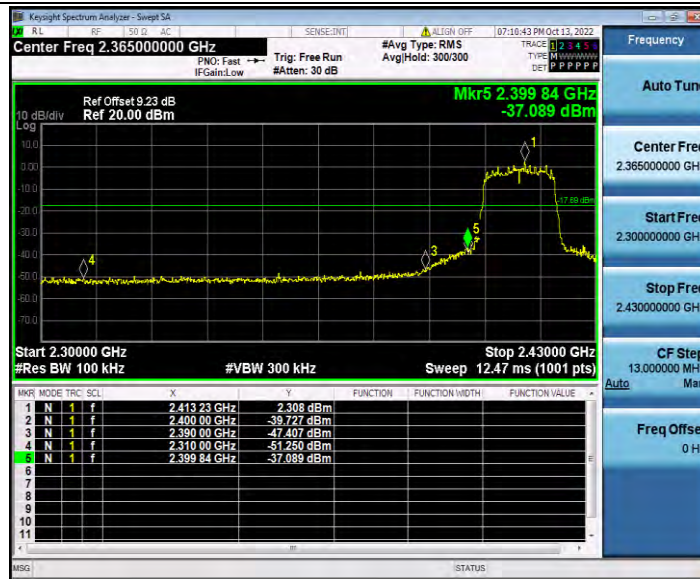
11B\_Ant1\_Low\_2412



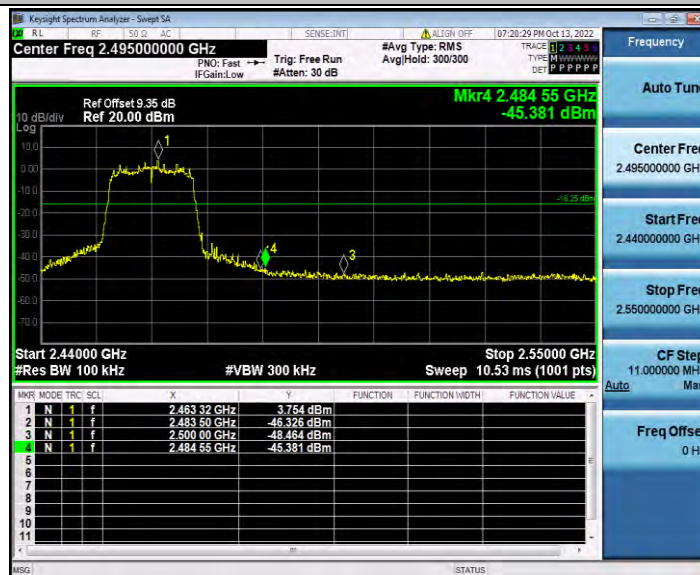
11B\_Ant1\_High\_2462



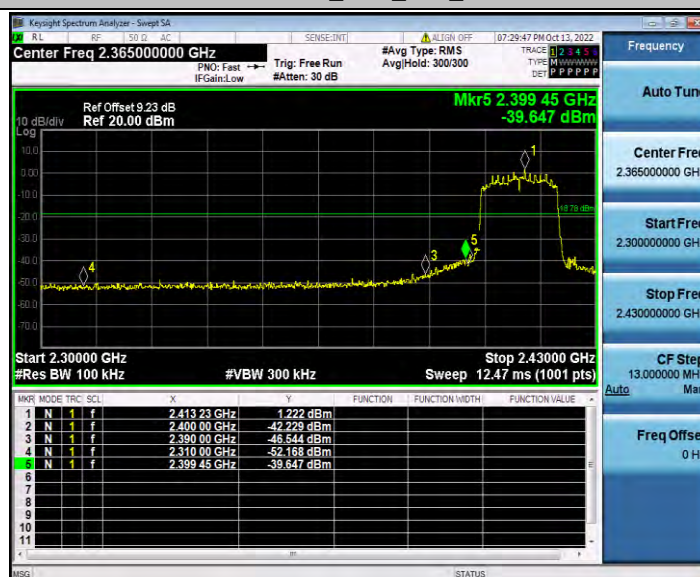
11G\_Ant1\_Low\_2412



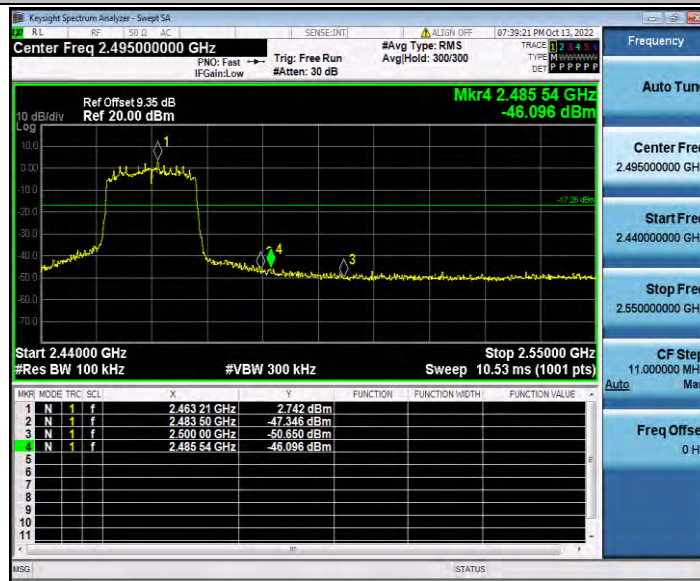
11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



# 11N20SISO\_Ant1\_High\_2462



## Appendix B.6: Conducted Spurious Emission

### Test Result

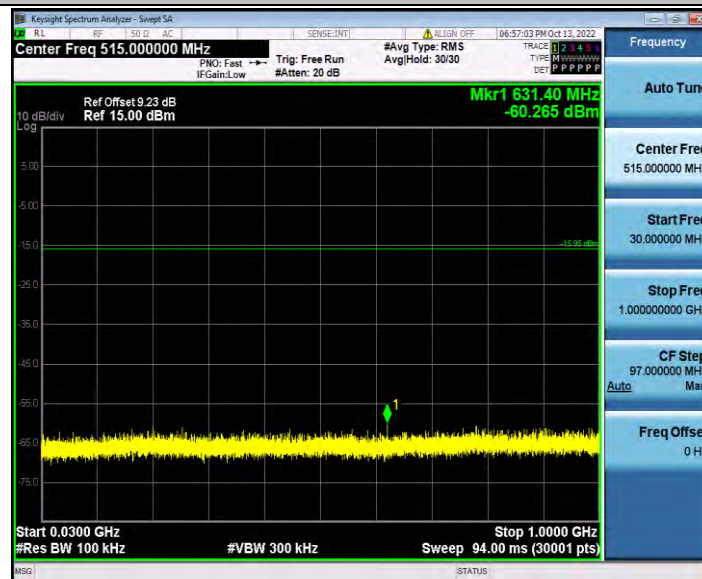
| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| 11B       | Ant1    | 2412           | Reference       | 4.05           | 4.05         | ---           | PASS    |
|           |         |                | 30~1000         | 4.05           | -60.27       | $\leq -15.95$ | PASS    |
|           |         |                | 1000~26500      | 4.05           | -44.28       | $\leq -15.95$ | PASS    |
|           |         | 2437           | Reference       | 4.47           | 4.47         | ---           | PASS    |
|           |         |                | 30~1000         | 4.47           | -60.35       | $\leq -15.53$ | PASS    |
|           |         |                | 1000~26500      | 4.47           | -46.01       | $\leq -15.53$ | PASS    |
|           |         | 2462           | Reference       | 6.12           | 6.12         | ---           | PASS    |
|           |         |                | 30~1000         | 6.12           | -59.47       | $\leq -13.88$ | PASS    |
|           |         |                | 1000~26500      | 6.12           | -46.63       | $\leq -13.88$ | PASS    |
| 11G       | Ant1    | 2412           | Reference       | 0.70           | 0.70         | ---           | PASS    |
|           |         |                | 30~1000         | 0.70           | -60.7        | $\leq -19.3$  | PASS    |
|           |         |                | 1000~26500      | 0.70           | -44.29       | $\leq -19.3$  | PASS    |
|           |         | 2437           | Reference       | 0.99           | 0.99         | ---           | PASS    |
|           |         |                | 30~1000         | 0.99           | -59.96       | $\leq -19.01$ | PASS    |
|           |         |                | 1000~26500      | 0.99           | -43.08       | $\leq -19.01$ | PASS    |
|           |         | 2462           | Reference       | 0.79           | 0.79         | ---           | PASS    |
|           |         |                | 30~1000         | 0.79           | -60.01       | $\leq -19.21$ | PASS    |
|           |         |                | 1000~26500      | 0.79           | -47.26       | $\leq -19.21$ | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | -2.57          | -2.57        | ---           | PASS    |
|           |         |                | 30~1000         | -2.57          | -59.79       | $\leq -22.57$ | PASS    |
|           |         |                | 1000~26500      | -2.57          | -45.15       | $\leq -22.57$ | PASS    |
|           |         | 2437           | Reference       | -1.92          | -1.92        | ---           | PASS    |
|           |         |                | 30~1000         | -1.92          | -60.32       | $\leq -21.92$ | PASS    |
|           |         |                | 1000~26500      | -1.92          | -44.63       | $\leq -21.92$ | PASS    |
|           |         | 2462           | Reference       | -0.77          | -0.77        | ---           | PASS    |
|           |         |                | 30~1000         | -0.77          | -60.36       | $\leq -20.77$ | PASS    |
|           |         |                | 1000~26500      | -0.77          | -46.83       | $\leq -20.77$ | PASS    |

## Test Graphs

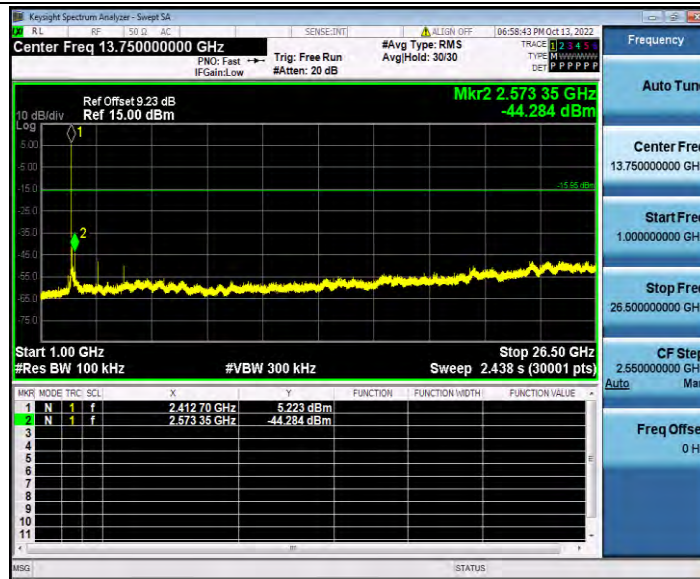
11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000



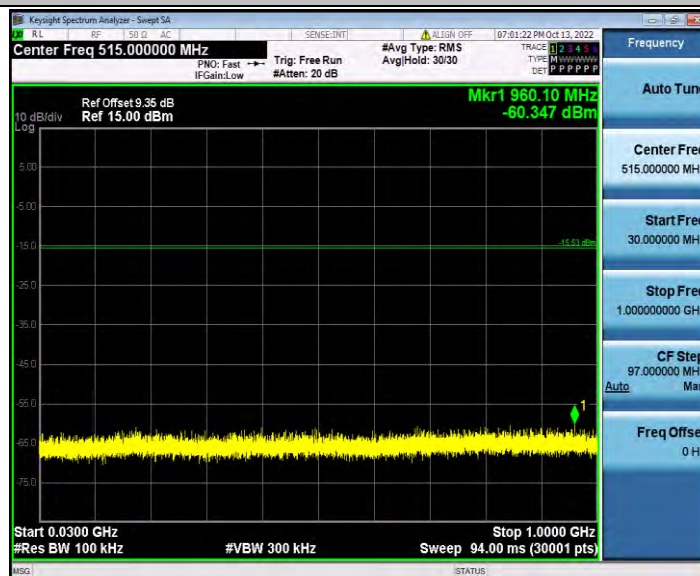
11B\_Ant1\_2412\_1000~26500



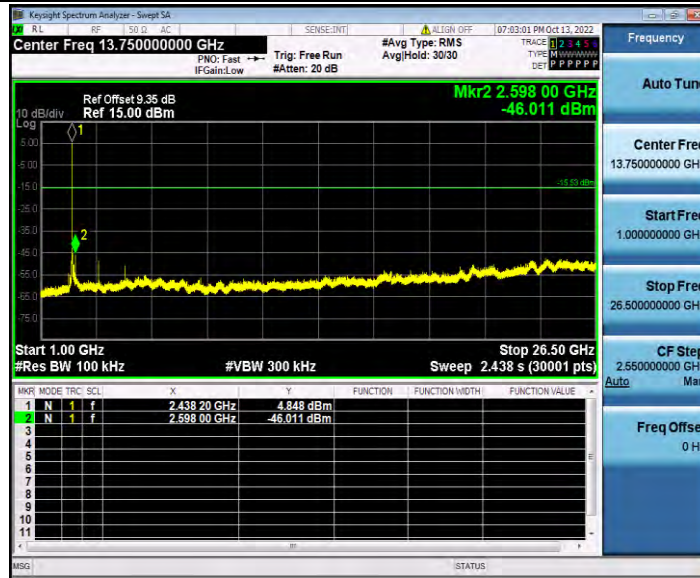
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



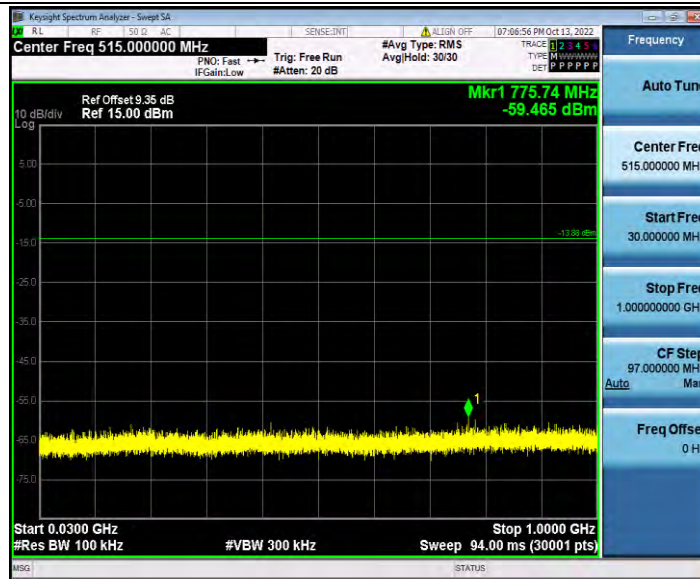
# 11B\_Ant1\_2437\_1000~26500



# 11B\_Ant1\_2462\_0~Reference



# 11B\_Ant1\_2462\_30~1000



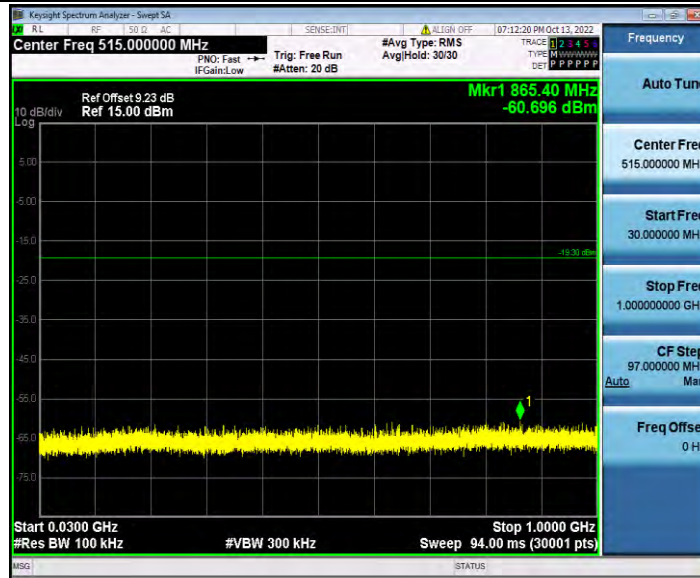
11B\_Ant1\_2462\_1000~26500



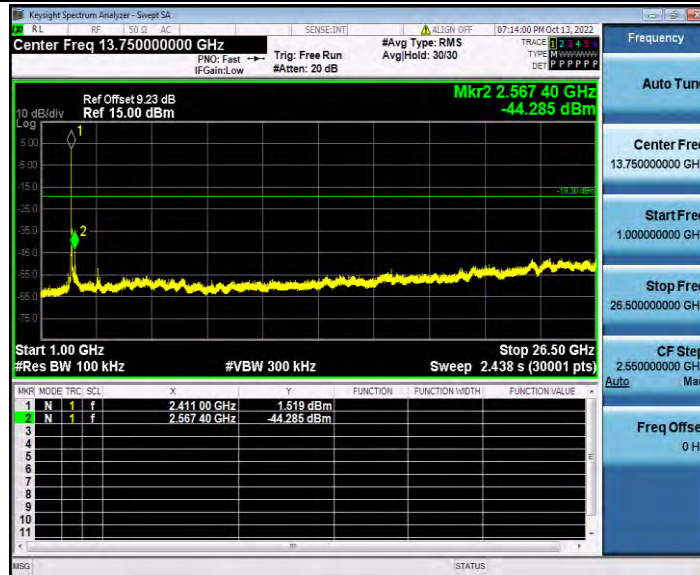
11G\_Ant1\_2412\_0~Reference



# 11G\_Ant1\_2412\_30~1000



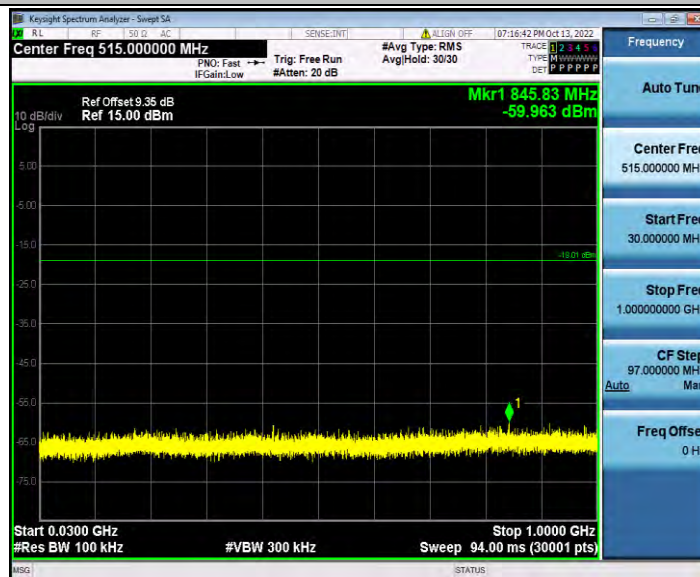
# 11G\_Ant1\_2412\_1000~26500



# 11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000



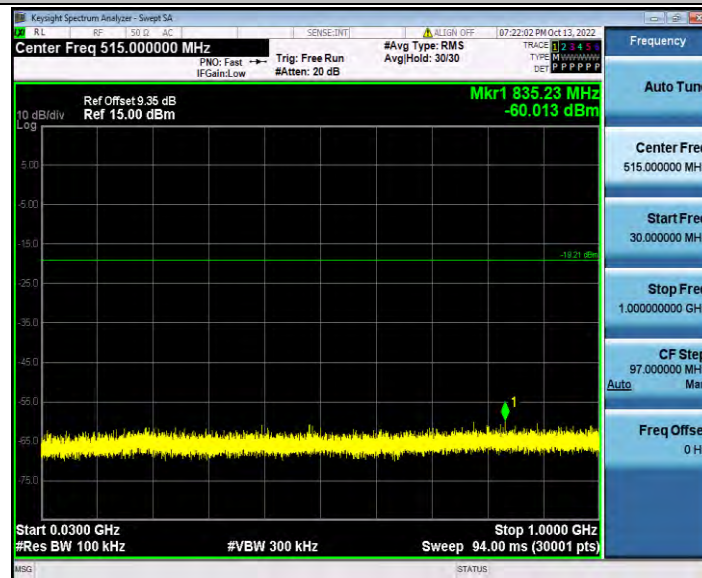
11G\_Ant1\_2437\_1000~26500



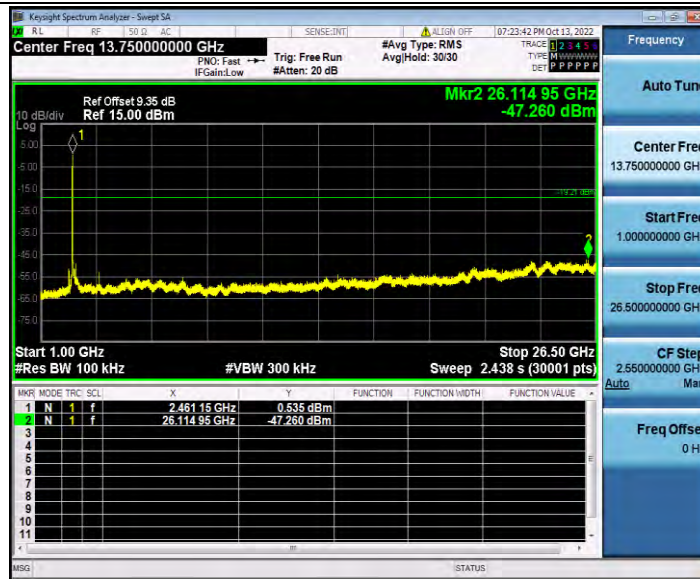
# 11G\_Ant1\_2462\_0~Reference



# 11G\_Ant1\_2462\_30~1000



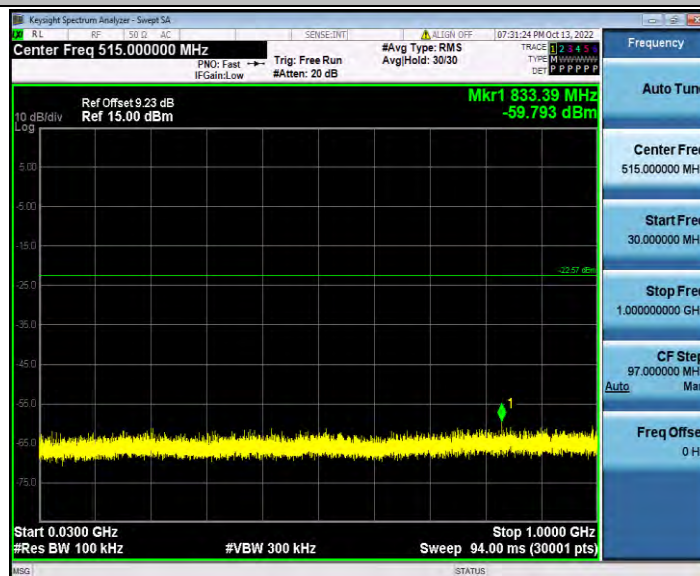
# 11G\_Ant1\_2462\_1000~26500



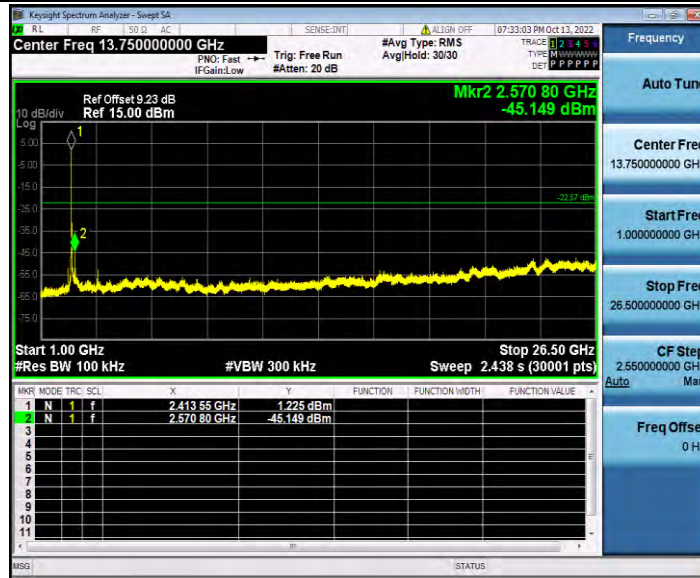
11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000



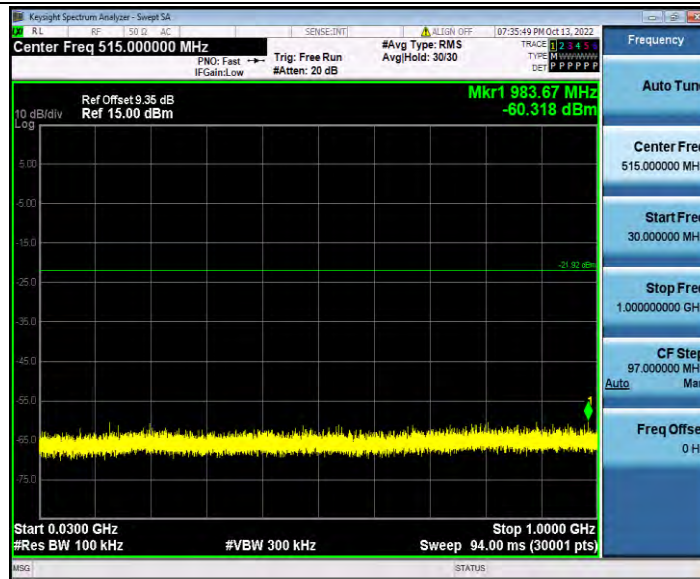
# 11N20SISO\_Ant1\_2412\_1000~26500



# 11N20SISO\_Ant1\_2437\_0~Reference



# 11N20SISO\_Ant1\_2437\_30~1000



11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference



