

## **FCC Appendix RF Test Data for 2.4GWIFI**

**FCC ID** : 2AW5W-C2B

**Company** : EXING INC.

**EUT** : Dash Camera

**Model Number** : C2B

**Report No.** : CTA26032800801

**Reviewed By** : Eric Wang

## Appendix A: DTS Bandwidth

### Test Result

| TestMode  | Antenna | Frequency[MHz] | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412           | 10.200          | 2406.920 | 2417.120 | 0.5        | PASS    |
|           |         | 2437           | 10.200          | 2431.920 | 2442.120 | 0.5        | PASS    |
|           |         | 2462           | 10.200          | 2456.920 | 2467.120 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 15.720          | 2404.080 | 2419.800 | 0.5        | PASS    |
|           |         | 2437           | 15.800          | 2429.040 | 2444.840 | 0.5        | PASS    |
|           |         | 2462           | 15.440          | 2454.040 | 2469.480 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 16.800          | 2403.680 | 2420.480 | 0.5        | PASS    |
|           |         | 2437           | 17.040          | 2428.400 | 2445.440 | 0.5        | PASS    |
|           |         | 2462           | 16.400          | 2453.360 | 2469.760 | 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



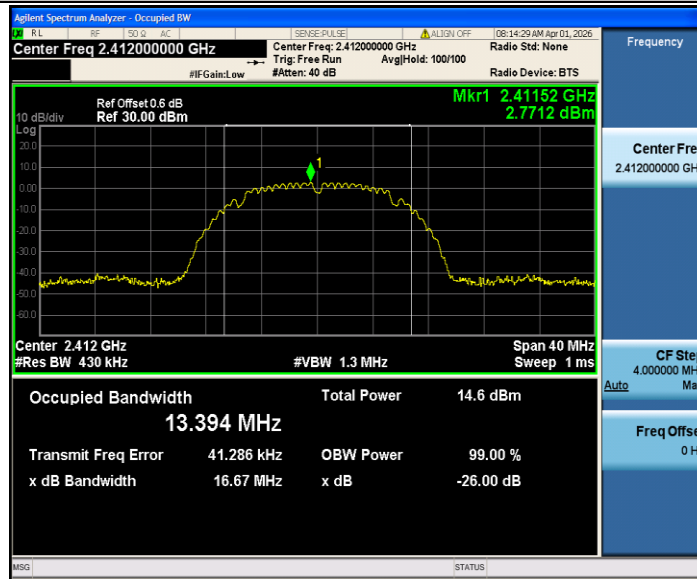
## Appendix B: Occupied Channel Bandwidth

### Test Result

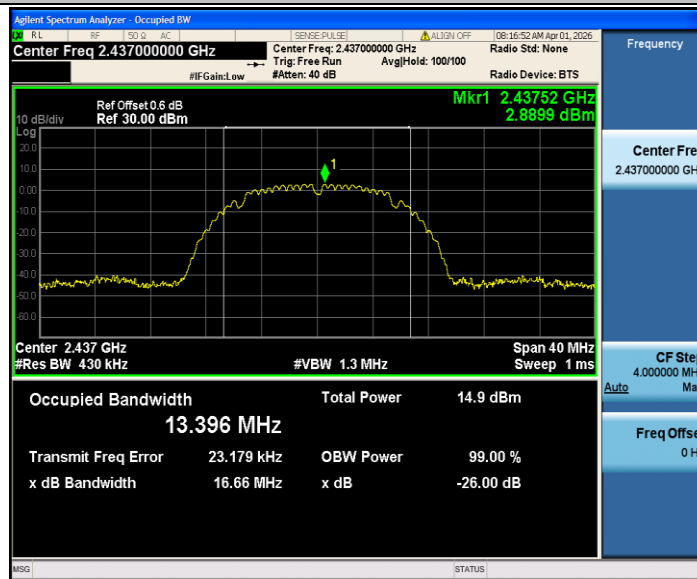
| TestMode  | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|---------------------------|--------------|-----------|-----------|------------|---------|
| 11B       | Ant1    | 2412                      | 13.394       | 2405.3443 | 2418.7383 | ---        | ---     |
|           |         | 2437                      | 13.396       | 2430.3252 | 2443.7212 | ---        | ---     |
|           |         | 2462                      | 13.413       | 2455.3027 | 2468.7157 | ---        | ---     |
| 11G       | Ant1    | 2412                      | 16.851       | 2403.6389 | 2420.4899 | ---        | ---     |
|           |         | 2437                      | 16.766       | 2428.6585 | 2445.4245 | ---        | ---     |
|           |         | 2462                      | 16.853       | 2453.5978 | 2470.4508 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                      | 17.845       | 2403.1253 | 2420.9703 | ---        | ---     |
|           |         | 2437                      | 17.877       | 2428.0994 | 2445.9764 | ---        | ---     |
|           |         | 2462                      | 17.835       | 2453.1089 | 2470.9439 | ---        | ---     |

## Test Graphs

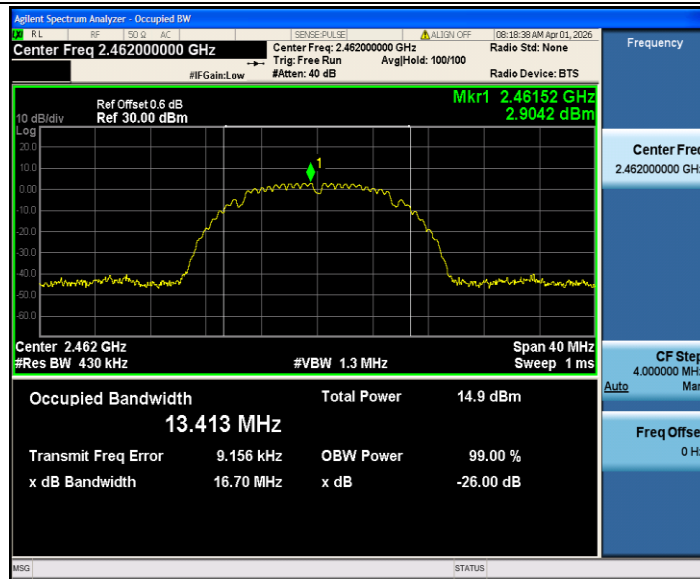
11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462



11G\_Ant1\_2412



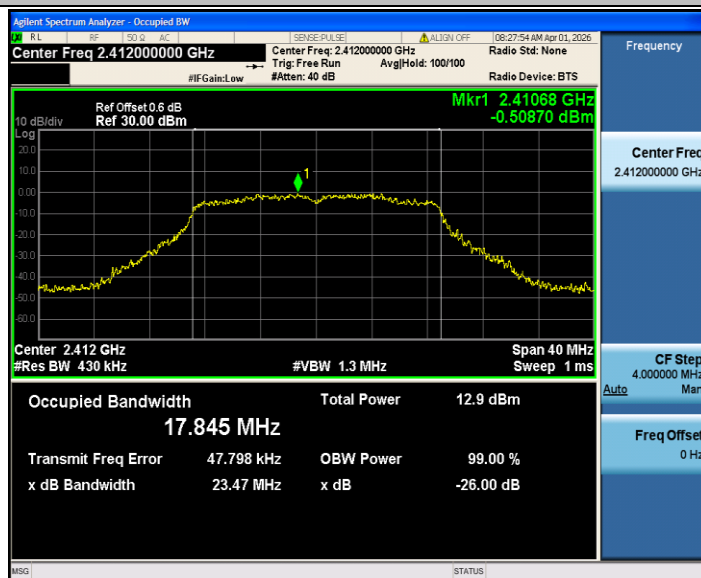
11G\_Ant1\_2437



# 11G\_Ant1\_2462



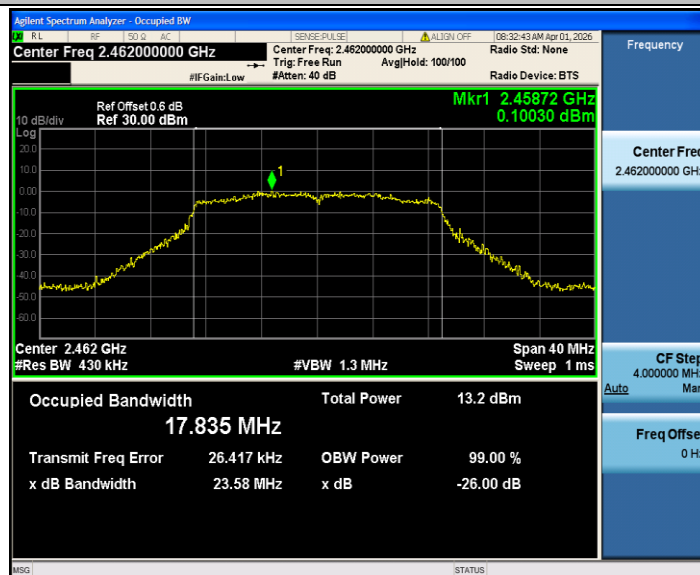
# 11N20SISO\_Ant1\_2412



# 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency[MHz] | Peak power [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|------------------|-------------|---------|
| 11B       | Ant1    | 2412           | 14.28            | ≤30.00      | PASS    |
|           |         | 2437           | 14.43            | ≤30.00      | PASS    |
|           |         | 2462           | 14.56            | ≤30.00      | PASS    |
| 11G       | Ant1    | 2412           | 13.75            | ≤30.00      | PASS    |
|           |         | 2437           | 13.93            | ≤30.00      | PASS    |
|           |         | 2462           | 14.14            | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 2412           | 13.71            | ≤30.00      | PASS    |
|           |         | 2437           | 13.86            | ≤30.00      | PASS    |
|           |         | 2462           | 13.92            | ≤30.00      | PASS    |

## Appendix D: Maximum power spectral density

### Test Result

| TestMode  | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -11.81               | ≤8.00           | PASS    |
|           |         | 2437           | -11.05               | ≤8.00           | PASS    |
|           |         | 2462           | -11.62               | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -17.92               | ≤8.00           | PASS    |
|           |         | 2437           | -17.96               | ≤8.00           | PASS    |
|           |         | 2462           | -17.36               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -17.47               | ≤8.00           | PASS    |
|           |         | 2437           | -15.59               | ≤8.00           | PASS    |
|           |         | 2462           | -17.40               | ≤8.00           | PASS    |

## Test Graphs

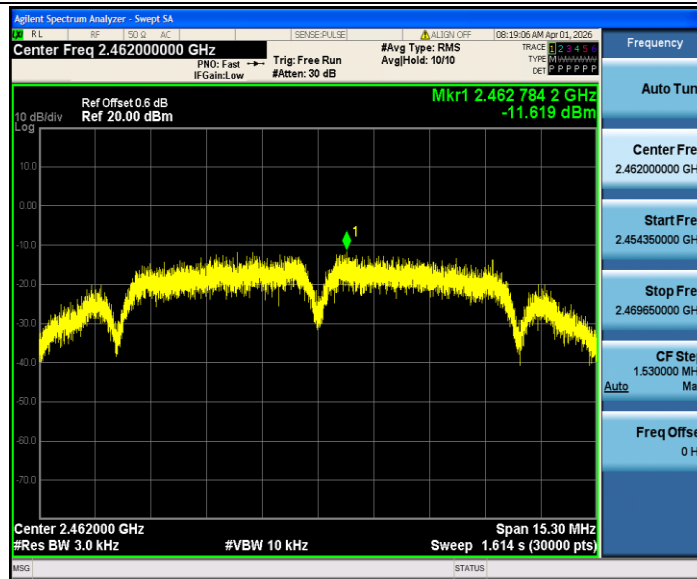
11B\_Ant1\_2412



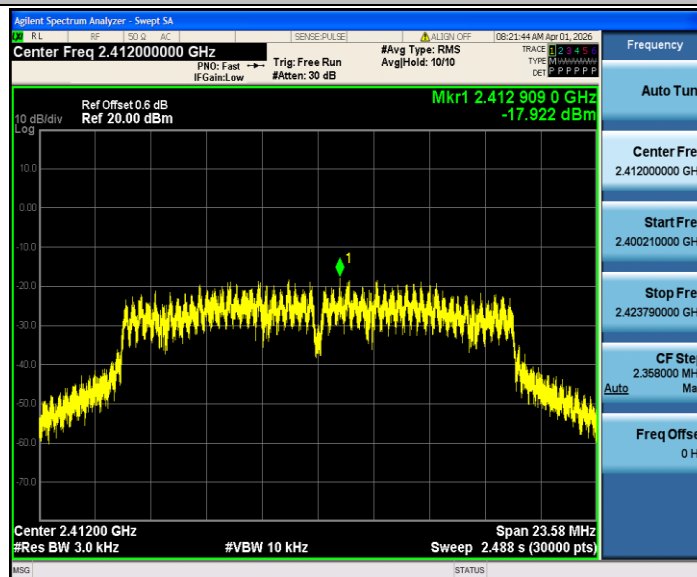
11B\_Ant1\_2437



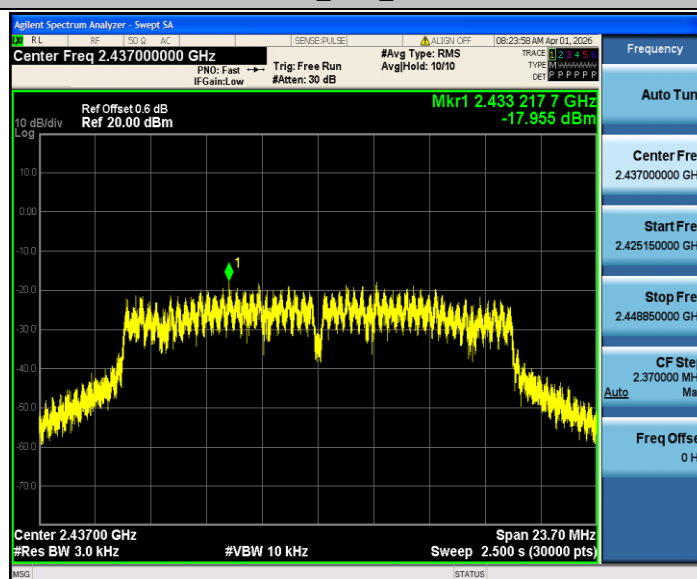
11B\_Ant1\_2462



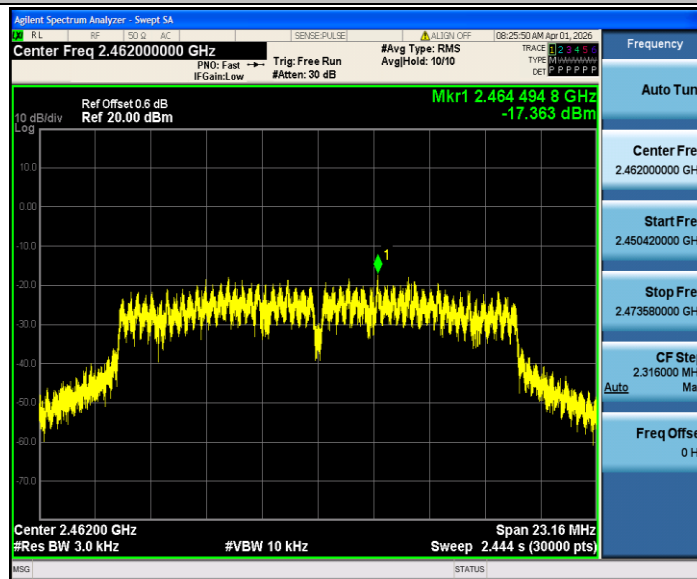
11G\_Ant1\_2412



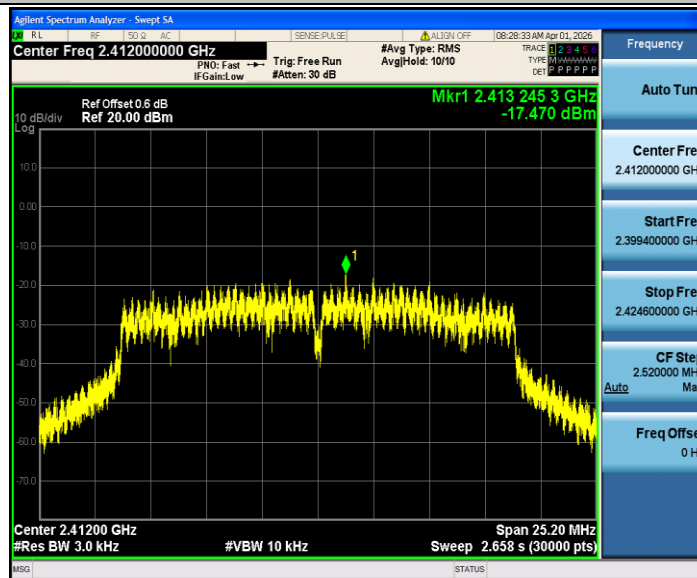
11G\_Ant1\_2437



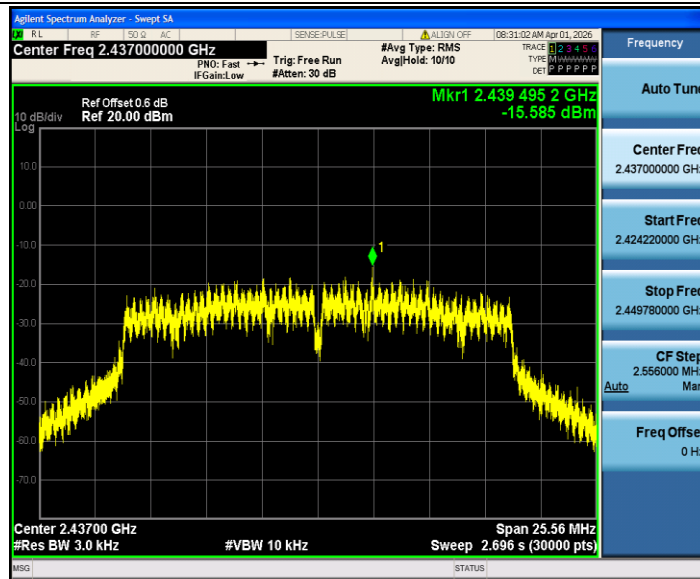
# 11G\_Ant1\_2462



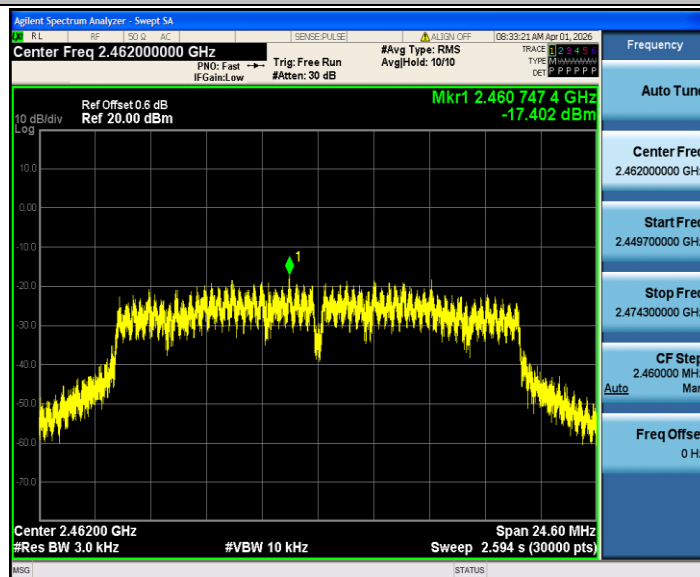
# 11N20SISO\_Ant1\_2412



# 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



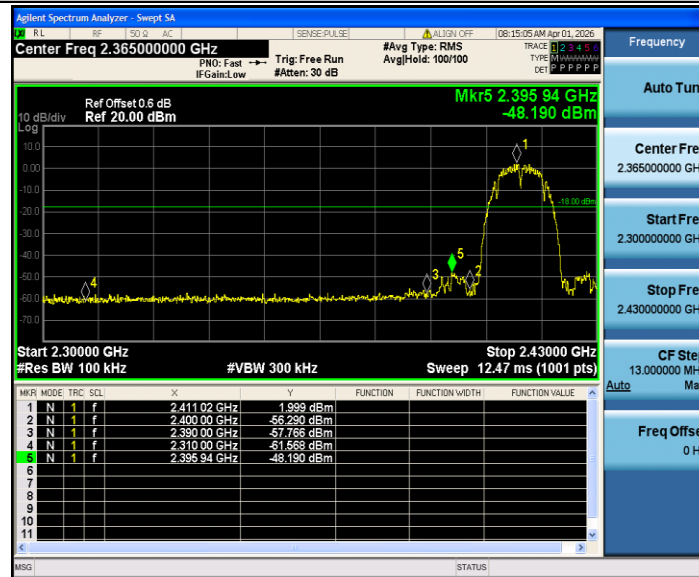
## Appendix E: Band edge measurements

### Test Result

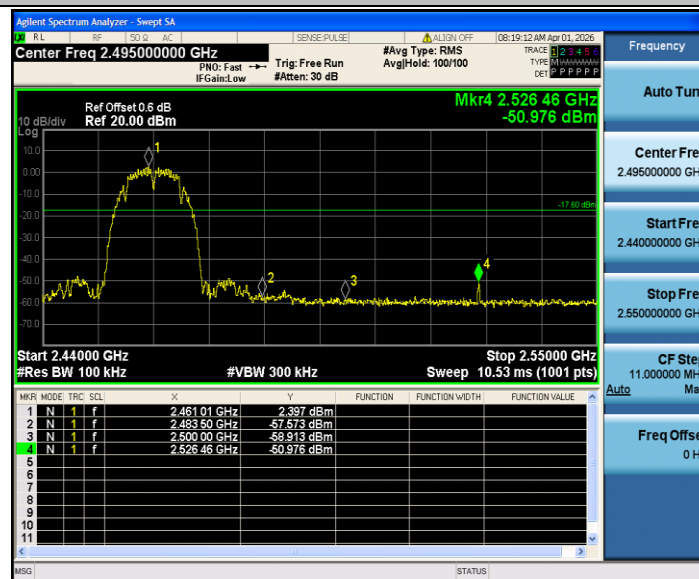
| TestMode  | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|----------------|---------------|-------------|---------------|---------|
| 11B       | Ant1    | Low    | 2412           | 2.00          | -48.19      | $\leq -18$    | PASS    |
|           |         | High   | 2462           | 2.40          | -50.98      | $\leq -17.6$  | PASS    |
| 11G       | Ant1    | Low    | 2412           | -2.76         | -36.74      | $\leq -22.76$ | PASS    |
|           |         | High   | 2462           | -2.45         | -57.05      | $\leq -22.45$ | PASS    |
| 11N20SISO | Ant1    | Low    | 2412           | -3.01         | -33.38      | $\leq -23.01$ | PASS    |
|           |         | High   | 2462           | -2.42         | -57.41      | $\leq -22.42$ | PASS    |

## Test Graphs

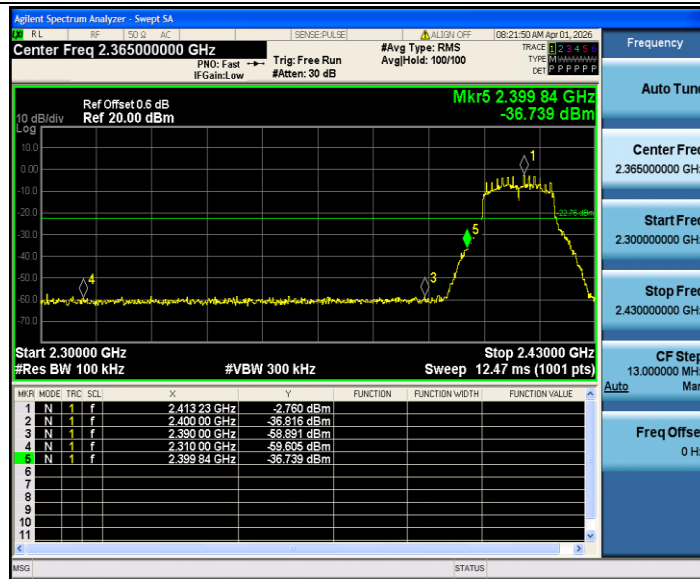
11B\_Ant1\_Low\_2412



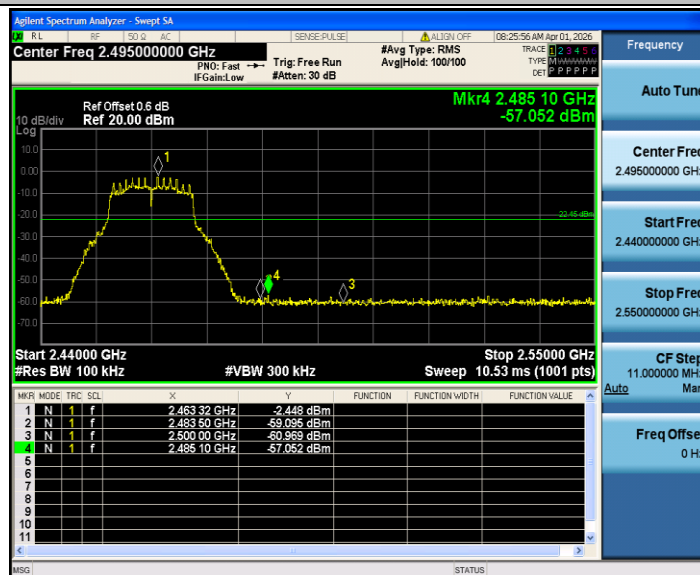
11B\_Ant1\_High\_2462



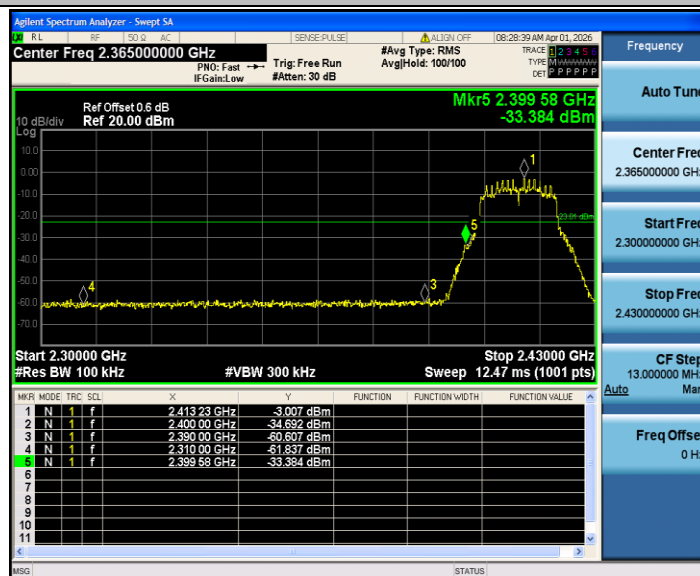
11G\_Ant1\_Low\_2412



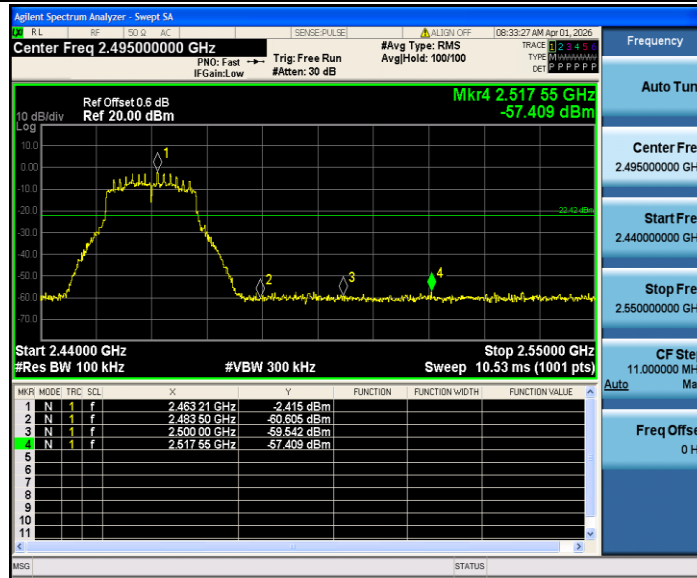
11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



# 11N20SISO\_Ant1\_High\_2462



## Appendix F: Conducted Spurious Emission

### Test Result

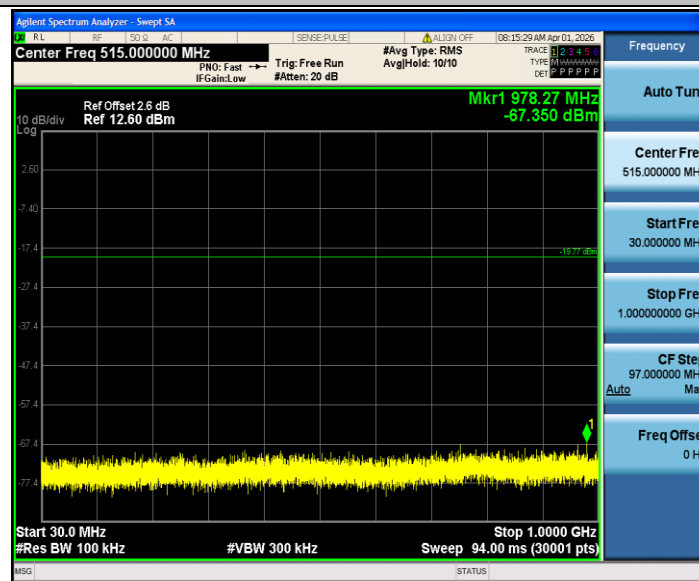
| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412           | Reference       | 0.23           | 0.23         | ---         | PASS    |
|           |         |                | 30~1000         | 0.23           | -67.35       | ≤-19.77     | PASS    |
|           |         |                | 1000~26500      | 0.23           | -55.57       | ≤-19.77     | PASS    |
|           |         | 2437           | Reference       | 2.13           | 2.13         | ---         | PASS    |
|           |         |                | 30~1000         | 2.13           | -66.77       | ≤-17.87     | PASS    |
|           |         |                | 1000~26500      | 2.13           | -55.63       | ≤-17.87     | PASS    |
|           |         | 2462           | Reference       | 2.05           | 2.05         | ---         | PASS    |
|           |         |                | 30~1000         | 2.05           | -68.49       | ≤-17.95     | PASS    |
|           |         |                | 1000~26500      | 2.05           | -55.31       | ≤-17.95     | PASS    |
| 11G       | Ant1    | 2412           | Reference       | -3.55          | -3.55        | ---         | PASS    |
|           |         |                | 30~1000         | -3.55          | -67.81       | ≤-23.55     | PASS    |
|           |         |                | 1000~26500      | -3.55          | -55.37       | ≤-23.55     | PASS    |
|           |         | 2437           | Reference       | -2.86          | -2.86        | ---         | PASS    |
|           |         |                | 30~1000         | -2.86          | -67.57       | ≤-22.86     | PASS    |
|           |         |                | 1000~26500      | -2.86          | -54.74       | ≤-22.86     | PASS    |
|           |         | 2462           | Reference       | -2.75          | -2.75        | ---         | PASS    |
|           |         |                | 30~1000         | -2.75          | -67.78       | ≤-22.75     | PASS    |
|           |         |                | 1000~26500      | -2.75          | -55.22       | ≤-22.75     | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | -3.01          | -3.01        | ---         | PASS    |
|           |         |                | 30~1000         | -3.01          | -68.27       | ≤-23.01     | PASS    |
|           |         |                | 1000~26500      | -3.01          | -49.02       | ≤-23.01     | PASS    |
|           |         | 2437           | Reference       | -5.34          | -5.34        | ---         | PASS    |
|           |         |                | 30~1000         | -5.34          | -68.4        | ≤-25.34     | PASS    |
|           |         |                | 1000~26500      | -5.34          | -55.34       | ≤-25.34     | PASS    |
|           |         | 2462           | Reference       | -3.59          | -3.59        | ---         | PASS    |
|           |         |                | 30~1000         | -3.59          | -68.32       | ≤-23.59     | PASS    |
|           |         |                | 1000~26500      | -3.59          | -55.65       | ≤-23.59     | PASS    |

## Test Graphs

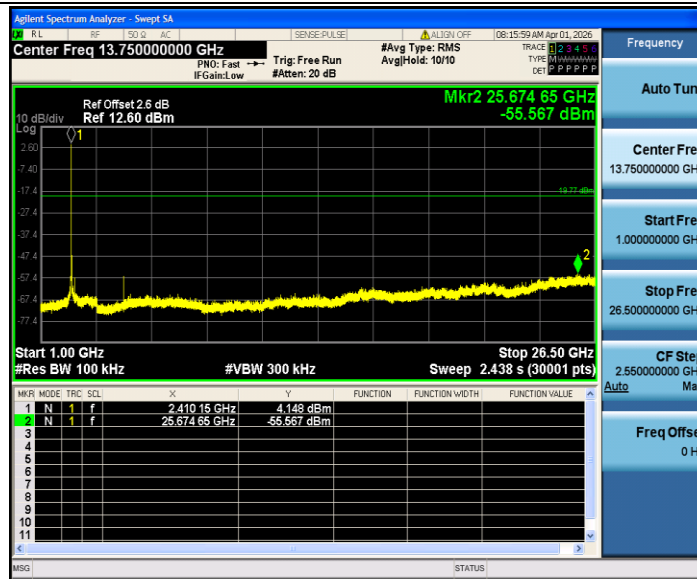
11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000



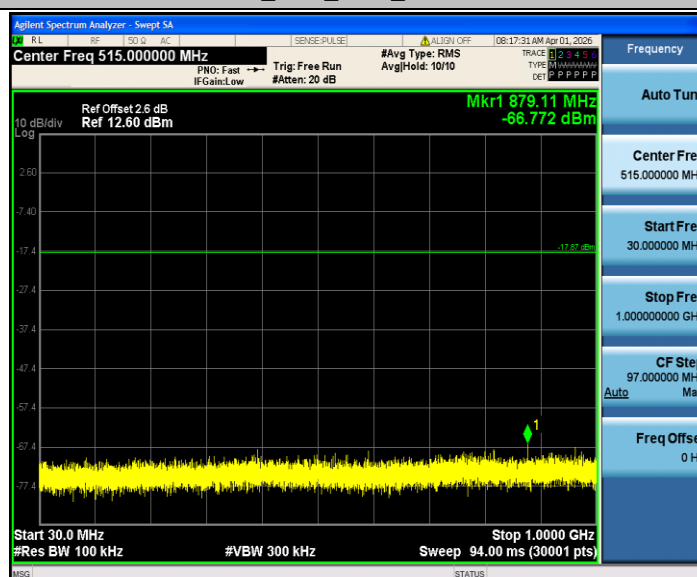
11B\_Ant1\_2412\_1000~26500



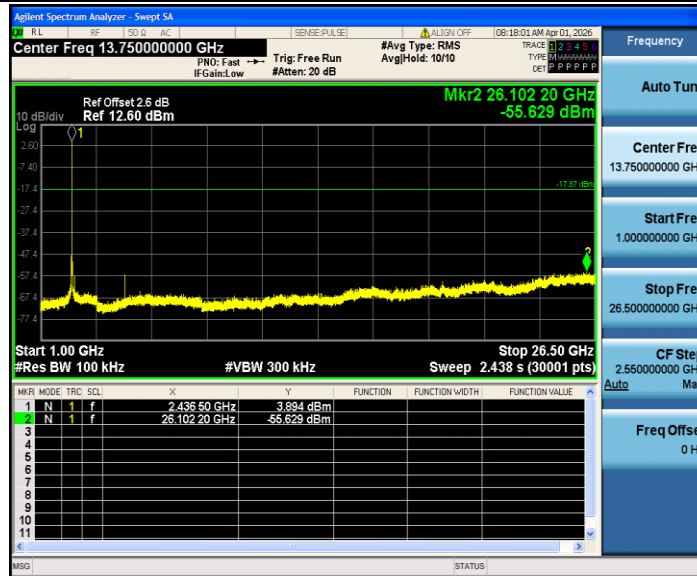
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



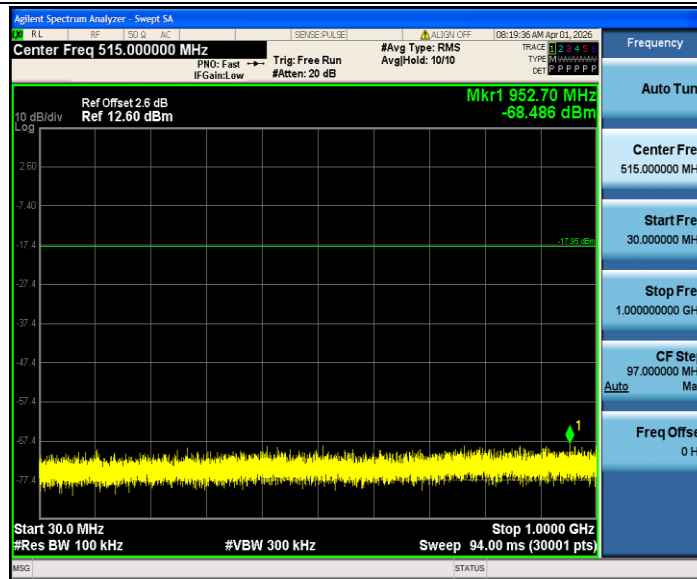
# 11B\_Ant1\_2437\_1000~26500



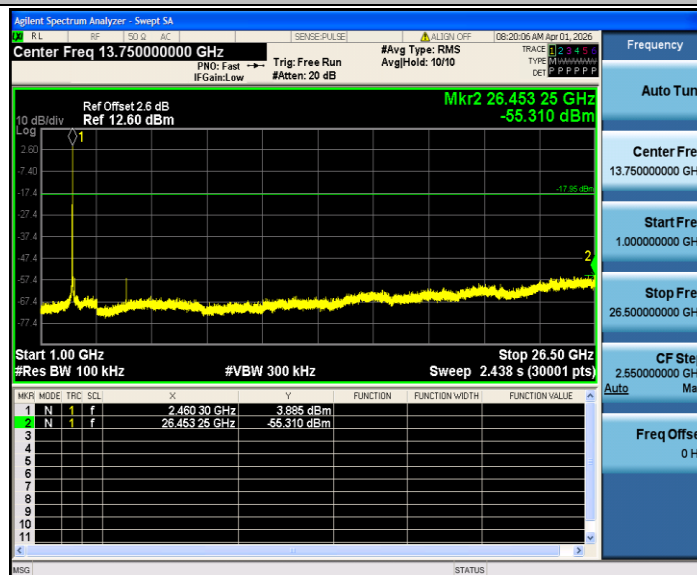
# 11B\_Ant1\_2462\_0~Reference



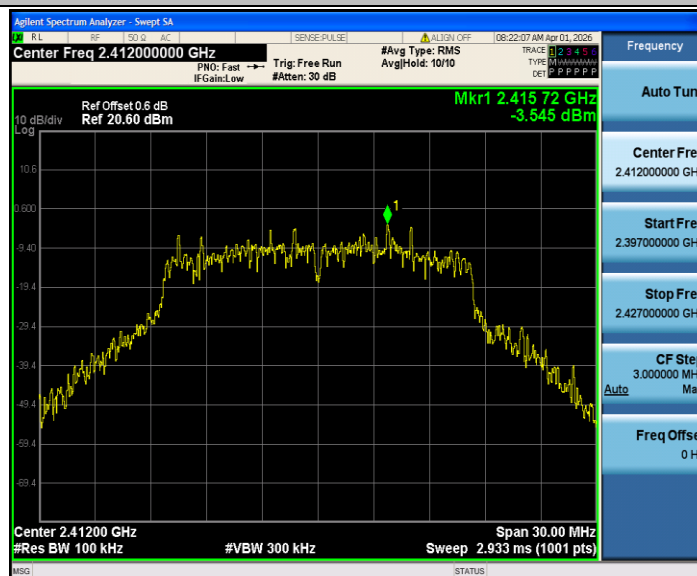
# 11B\_Ant1\_2462\_30~1000



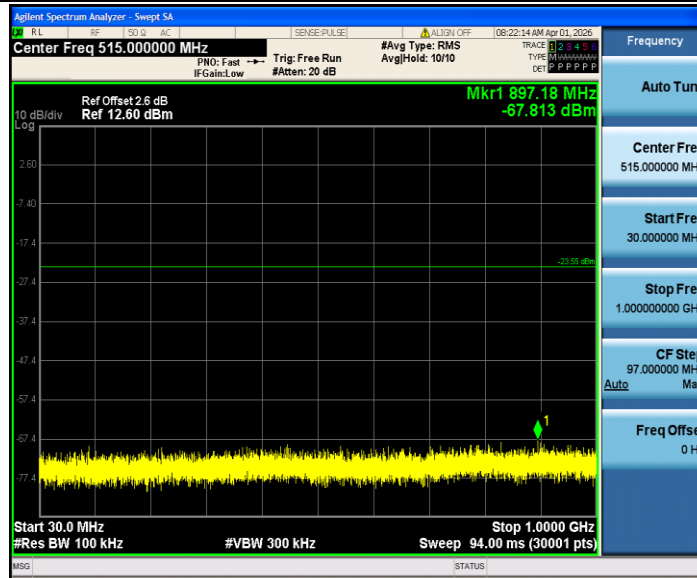
11B\_Ant1\_2462\_1000~26500



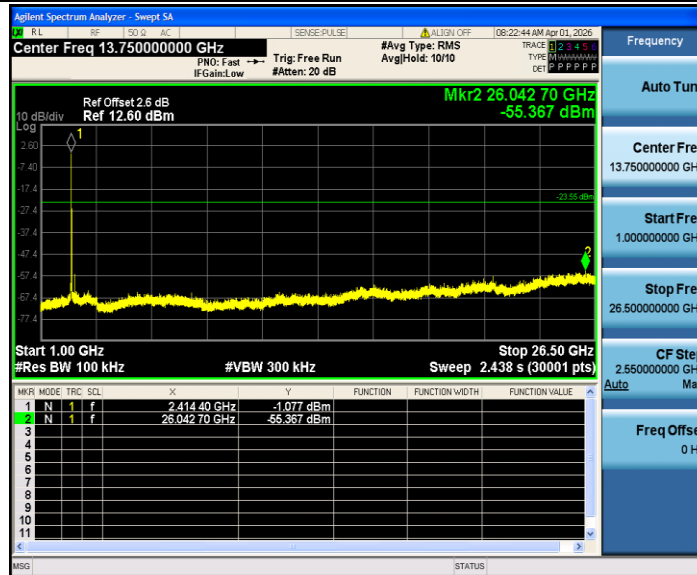
11G\_Ant1\_2412\_0~Reference



# 11G\_Ant1\_2412\_30~1000



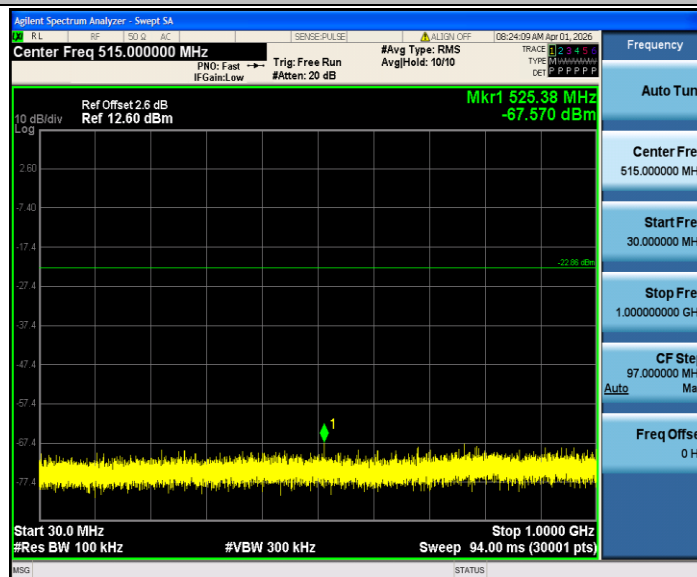
# 11G\_Ant1\_2412\_1000~26500



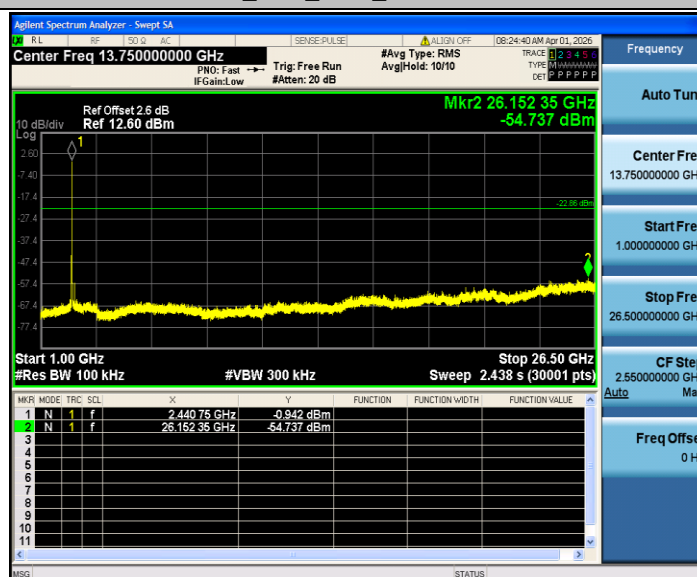
# 11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000



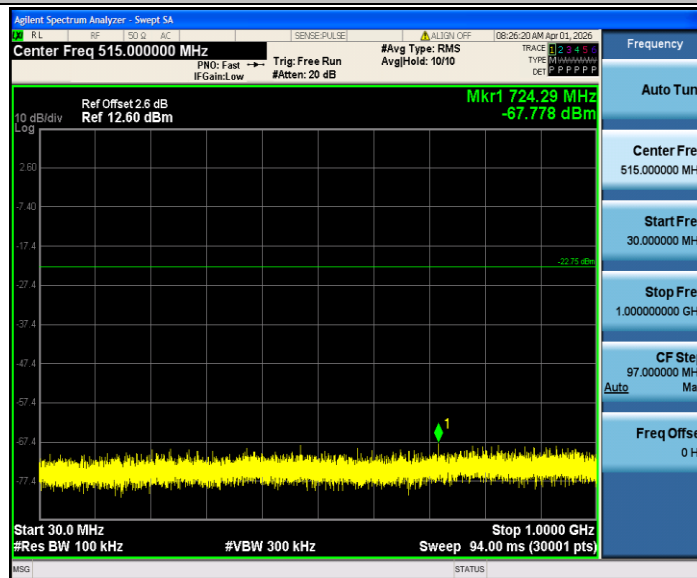
11G\_Ant1\_2437\_1000~26500



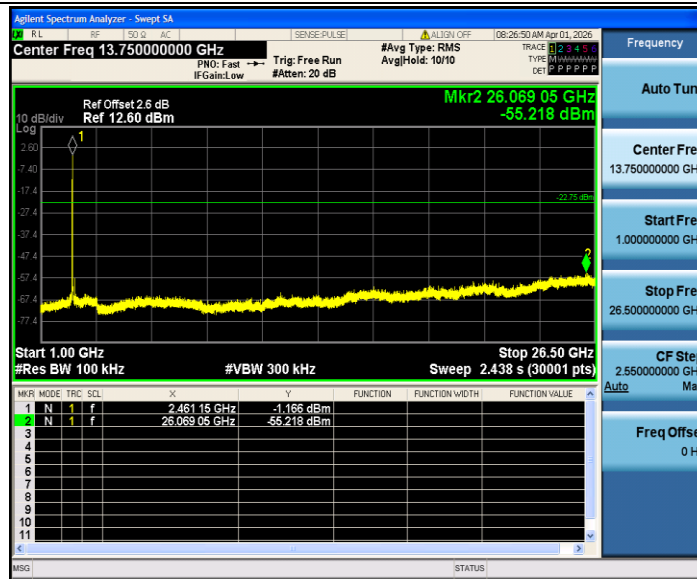
# 11G\_Ant1\_2462\_0~Reference



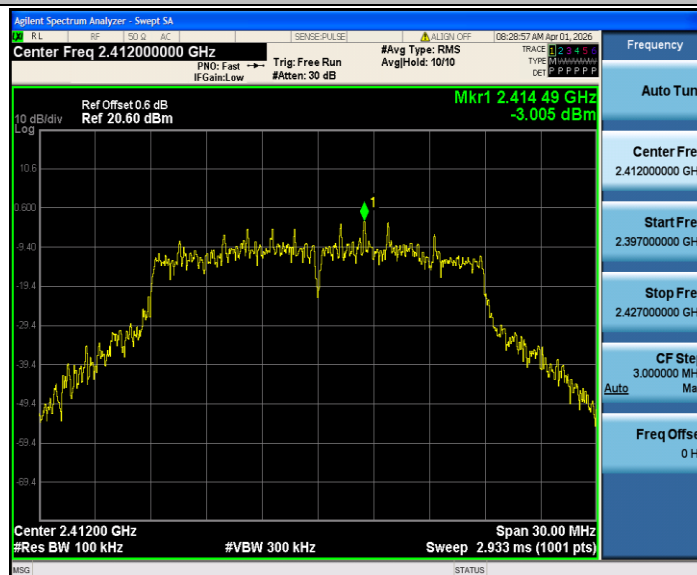
# 11G\_Ant1\_2462\_30~1000



# 11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000

