

## **FCC Appendix RF Test Data**

**FCC ID** : 2BPR4-61010W

**Company:** : Zhongshan Anjielo Smart Technology Co., Ltd

**EUT** : Video intercom

**Model Number** : 61010W

**Report No.** : CTA25042904501

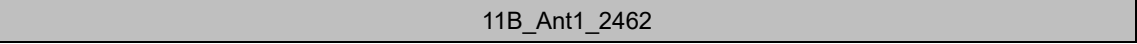
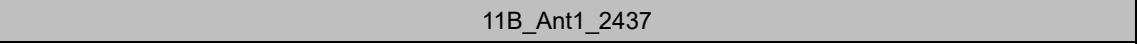
**Reviewed By** : Eric Wang

## Appendix A: DTS Bandwidth

### Test Result

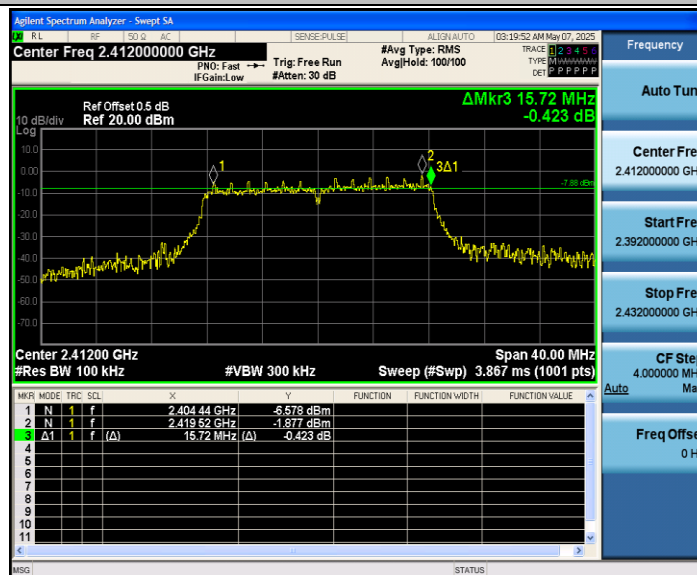
| TestMode  | Antenna | Frequency[MHz] | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412           | 9.560           | 2406.960 | 2416.520 | 0.5        | PASS    |
|           |         | 2437           | 9.040           | 2432.520 | 2441.560 | 0.5        | PASS    |
|           |         | 2462           | 10.000          | 2457.000 | 2467.000 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 15.720          | 2404.440 | 2420.160 | 0.5        | PASS    |
|           |         | 2437           | 15.720          | 2429.440 | 2445.160 | 0.5        | PASS    |
|           |         | 2462           | 15.920          | 2454.240 | 2470.160 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 16.320          | 2404.440 | 2420.760 | 0.5        | PASS    |
|           |         | 2437           | 15.640          | 2429.440 | 2445.080 | 0.5        | PASS    |
|           |         | 2462           | 16.840          | 2453.920 | 2470.760 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422           | 35.600          | 2404.480 | 2440.080 | 0.5        | PASS    |
|           |         | 2437           | 35.120          | 2419.480 | 2454.600 | 0.5        | PASS    |
|           |         | 2452           | 35.120          | 2434.400 | 2469.520 | 0.5        | PASS    |

11B\_Ant1\_2412





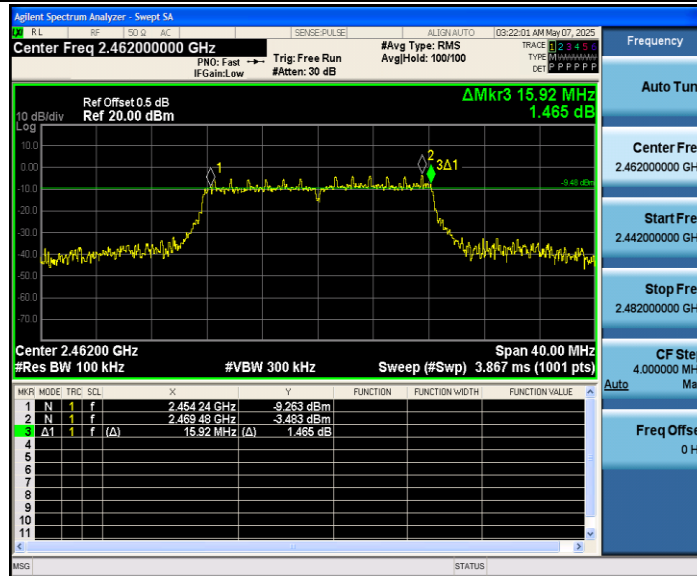
11G\_Ant1\_2412



11G\_Ant1\_2437



# 11G\_Ant1\_2462



# 11N20SISO\_Ant1\_2412



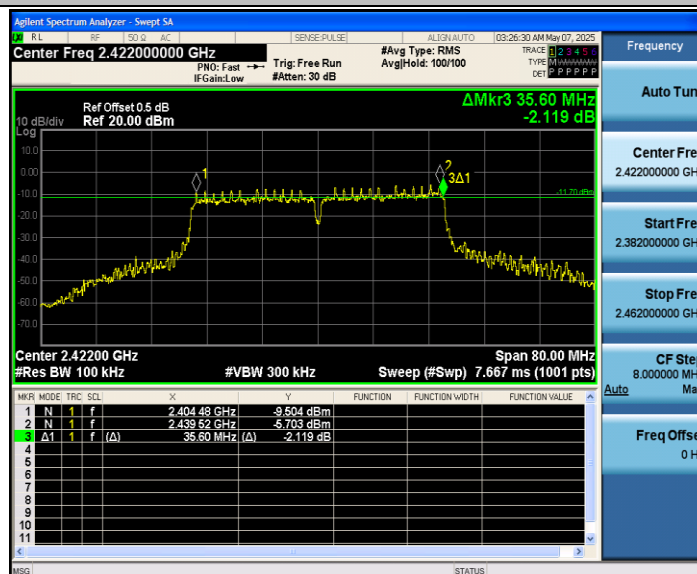
# 11N20SISO\_Ant1\_2437



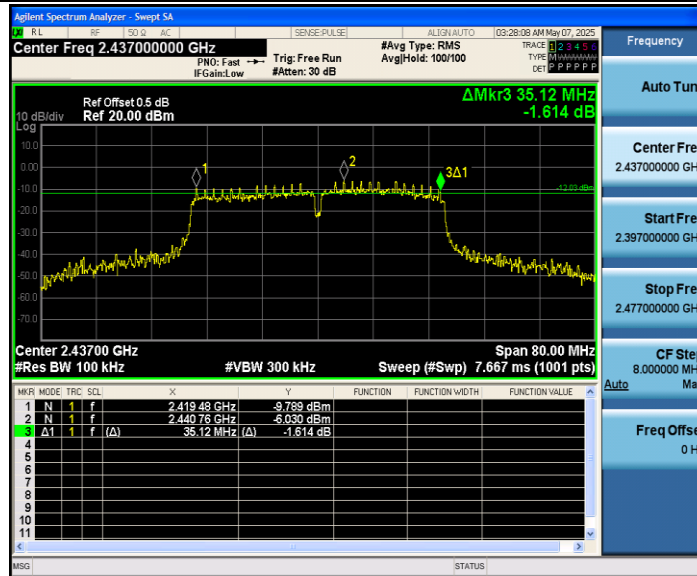
11N20SISO\_Ant1\_2462



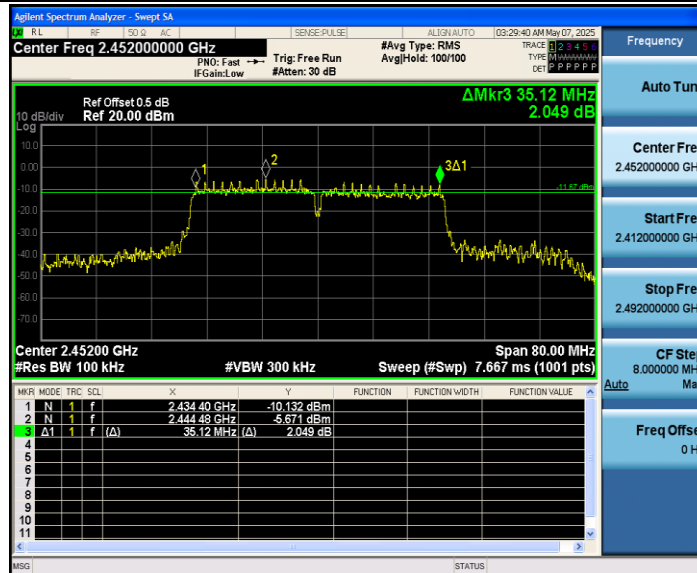
11N40SISO\_Ant1\_2422



# 11N40SISO\_Ant1\_2437



# 11N40SISO\_Ant1\_2452



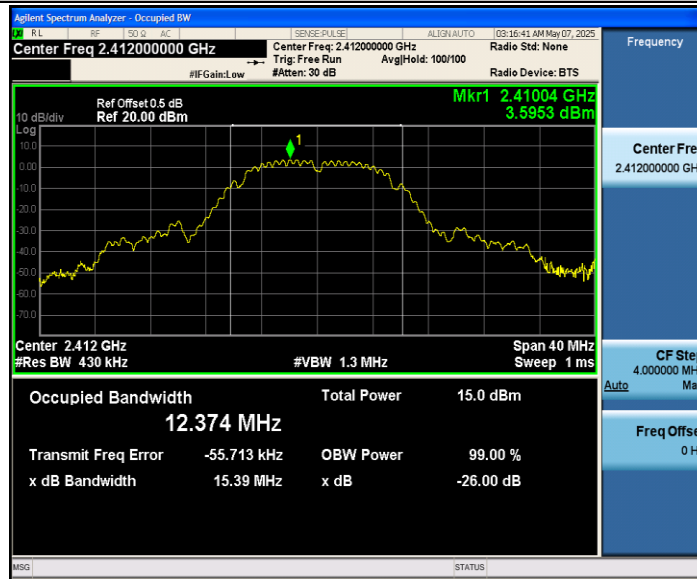
## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode  | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|---------------------------|--------------|-----------|-----------|------------|---------|
| 11B       | Ant1    | 2412                      | 12.374       | 2405.7573 | 2418.1313 | ---        | ---     |
|           |         | 2437                      | 12.336       | 2431.0982 | 2443.4342 | ---        | ---     |
|           |         | 2462                      | 12.729       | 2455.4409 | 2468.1699 | ---        | ---     |
| 11G       | Ant1    | 2412                      | 16.842       | 2403.7455 | 2420.5875 | ---        | ---     |
|           |         | 2437                      | 16.636       | 2428.8429 | 2445.4789 | ---        | ---     |
|           |         | 2462                      | 16.878       | 2453.6790 | 2470.5570 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                      | 17.855       | 2403.2439 | 2421.0989 | ---        | ---     |
|           |         | 2437                      | 17.612       | 2428.3248 | 2445.9368 | ---        | ---     |
|           |         | 2462                      | 18.054       | 2453.1062 | 2471.1602 | ---        | ---     |
| 11N40SISO | Ant1    | 2422                      | 36.338       | 2404.0938 | 2440.4318 | ---        | ---     |
|           |         | 2437                      | 36.033       | 2419.0919 | 2455.1249 | ---        | ---     |
|           |         | 2452                      | 36.344       | 2433.8807 | 2470.2247 | ---        | ---     |

## Test Graphs

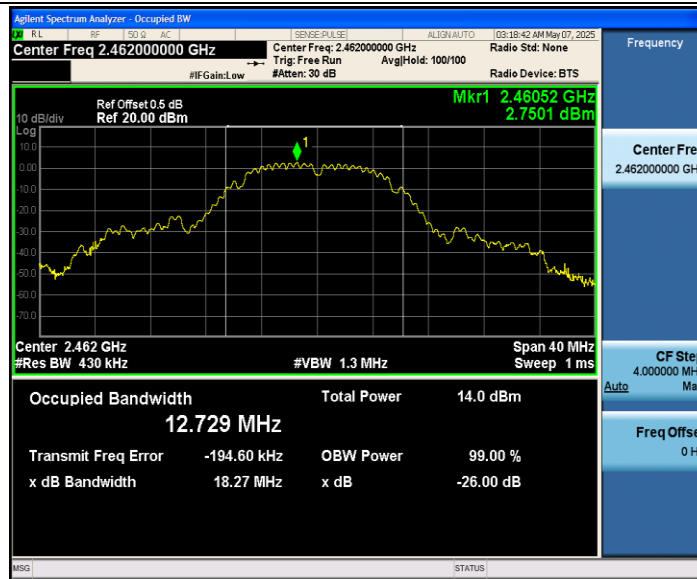
11B\_Ant1\_2412



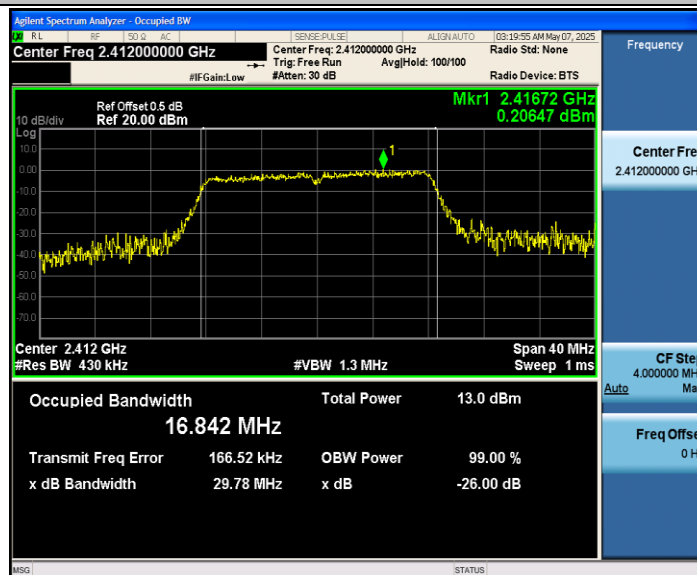
11B\_Ant1\_2437



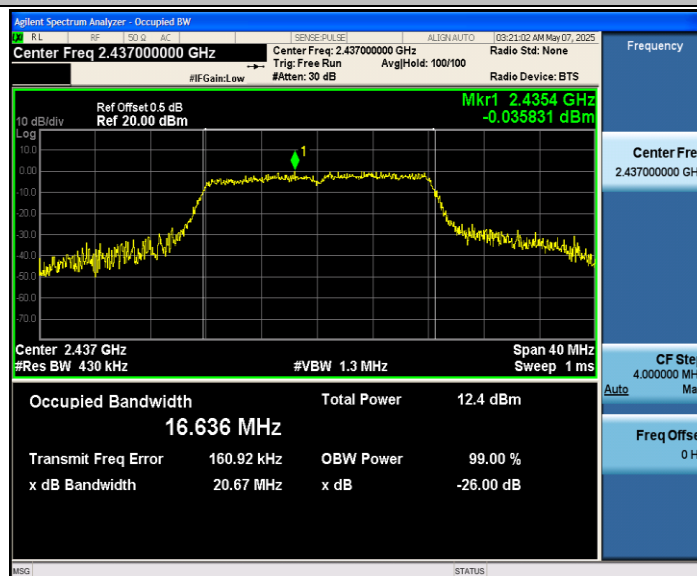
11B\_Ant1\_2462



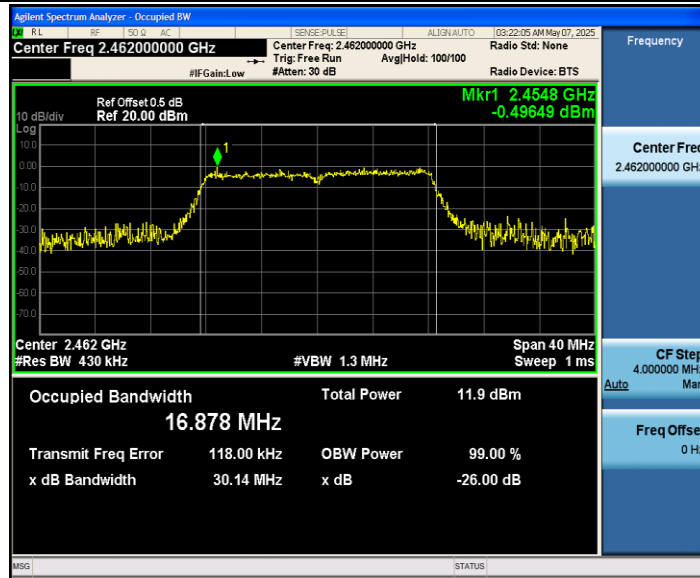
11G\_Ant1\_2412



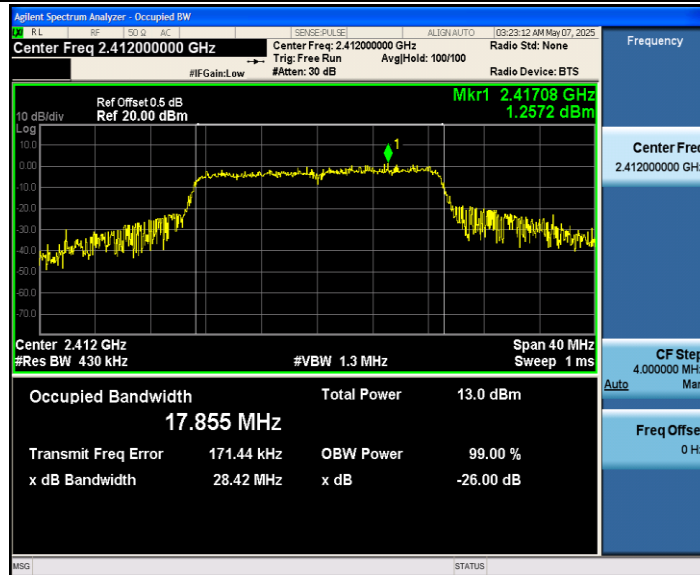
11G\_Ant1\_2437



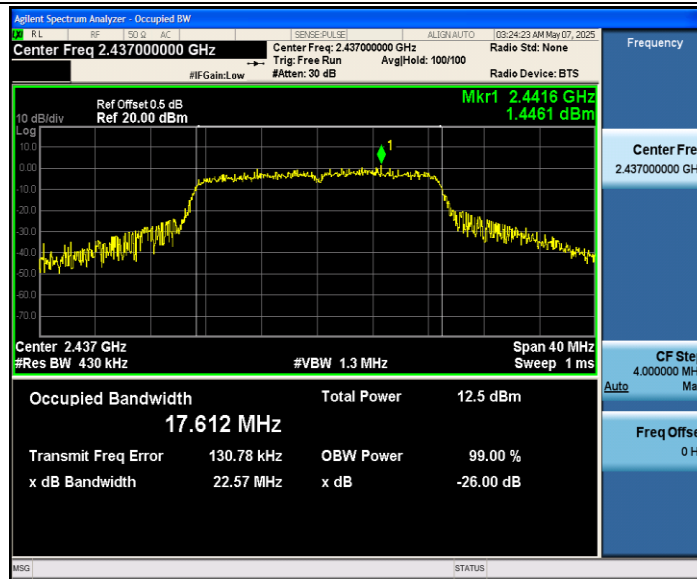
# 11G\_Ant1\_2462



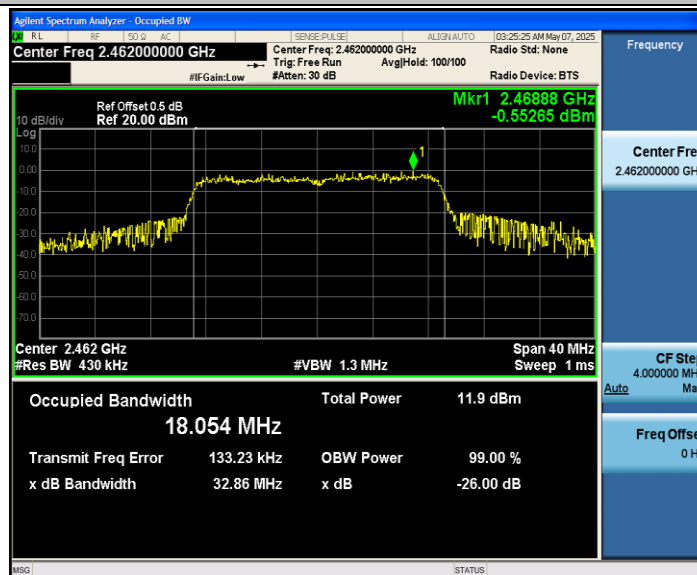
# 11N20SISO\_Ant1\_2412



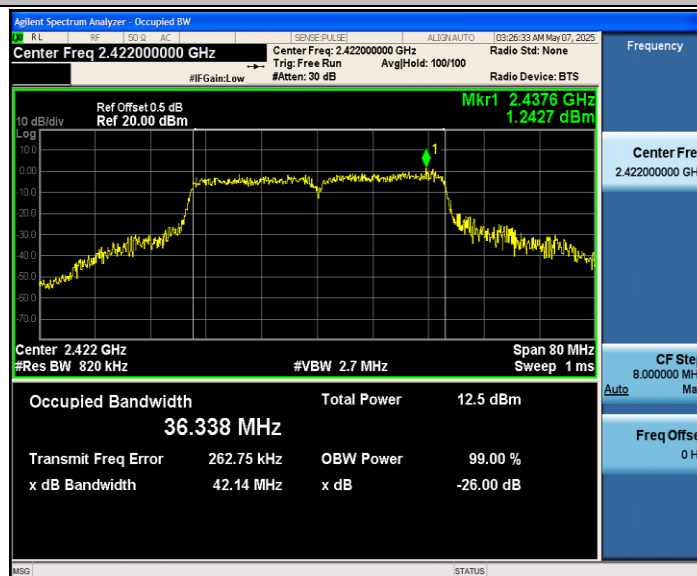
# 11N20SISO\_Ant1\_2437



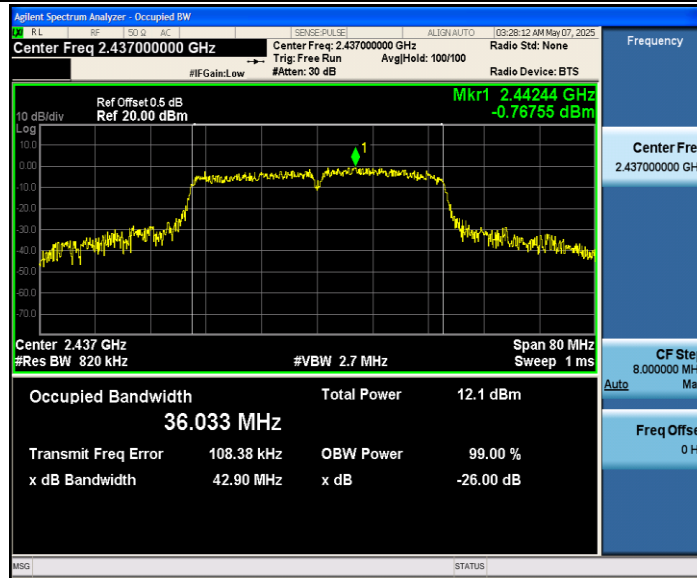
11N20SISO\_Ant1\_2462



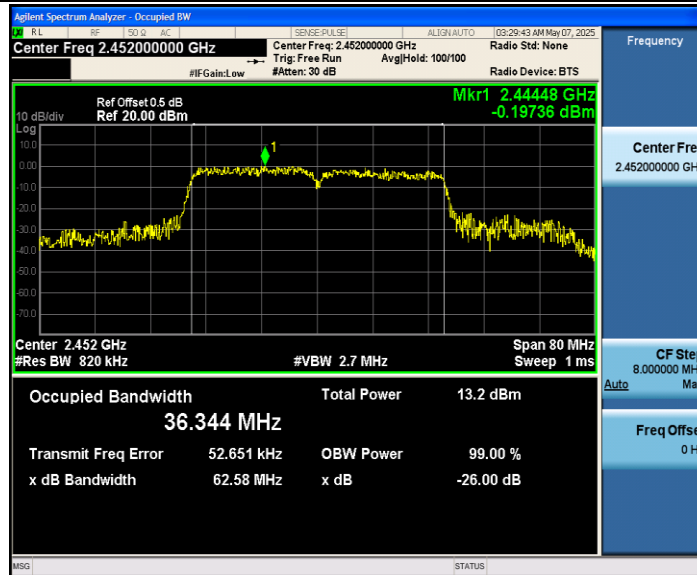
11N40SISO\_Ant1\_2422



# 11N40SISO\_Ant1\_2437



# 11N40SISO\_Ant1\_2452



## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency[MHz] | Peak power [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|------------------|-------------|---------|
| 11B       | Ant1    | 2412           | 14.85            | ≤30.00      | PASS    |
|           |         | 2437           | 14.89            | ≤30.00      | PASS    |
|           |         | 2462           | 13.94            | ≤30.00      | PASS    |
| 11G       | Ant1    | 2412           | 13.59            | ≤30.00      | PASS    |
|           |         | 2437           | 13.12            | ≤30.00      | PASS    |
|           |         | 2462           | 12.68            | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 2412           | 13.49            | ≤30.00      | PASS    |
|           |         | 2437           | 12.96            | ≤30.00      | PASS    |
|           |         | 2462           | 12.45            | ≤30.00      | PASS    |
| 11N40SISO | Ant1    | 2422           | 12.74            | ≤30.00      | PASS    |
|           |         | 2437           | 12.31            | ≤30.00      | PASS    |
|           |         | 2452           | 13.15            | ≤30.00      | PASS    |

## Appendix D: Maximum power spectral density

### Test Result

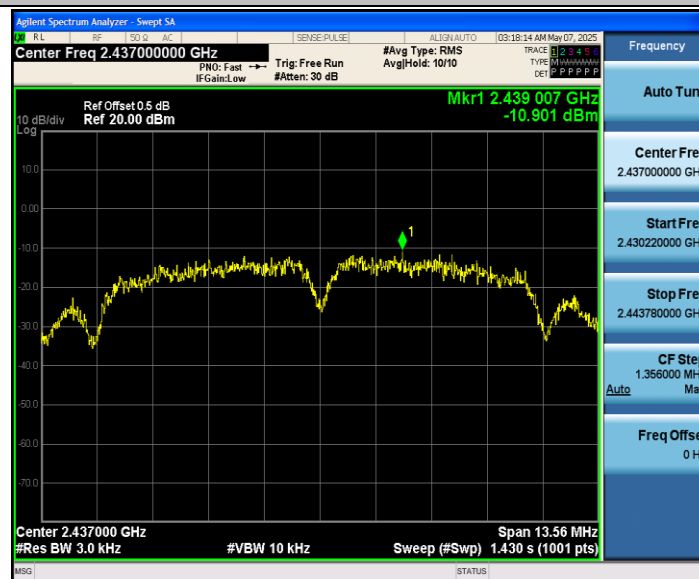
| TestMode  | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -11.66               | ≤8.00           | PASS    |
|           |         | 2437           | -10.90               | ≤8.00           | PASS    |
|           |         | 2462           | -11.31               | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -18.52               | ≤8.00           | PASS    |
|           |         | 2437           | -19.54               | ≤8.00           | PASS    |
|           |         | 2462           | -20.03               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -18.41               | ≤8.00           | PASS    |
|           |         | 2437           | -18.24               | ≤8.00           | PASS    |
|           |         | 2462           | -19.34               | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2422           | -21.62               | ≤8.00           | PASS    |
|           |         | 2437           | -22.67               | ≤8.00           | PASS    |
|           |         | 2452           | -21.07               | ≤8.00           | PASS    |

## Test Graphs

11B\_Ant1\_2412



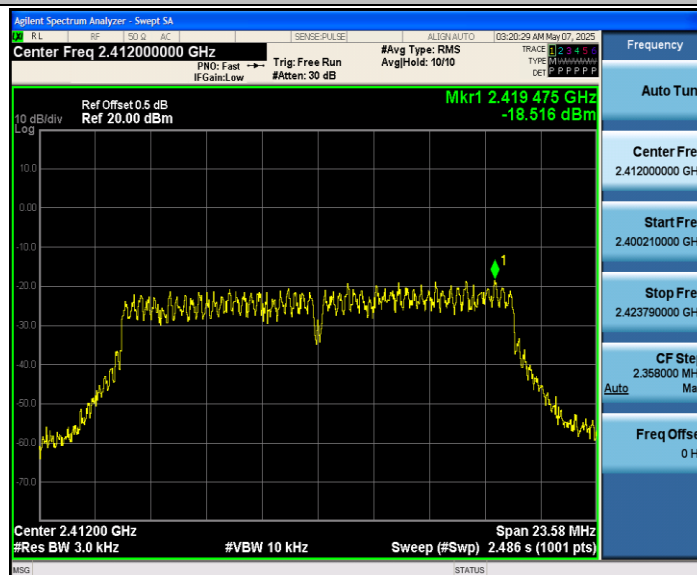
11B\_Ant1\_2437



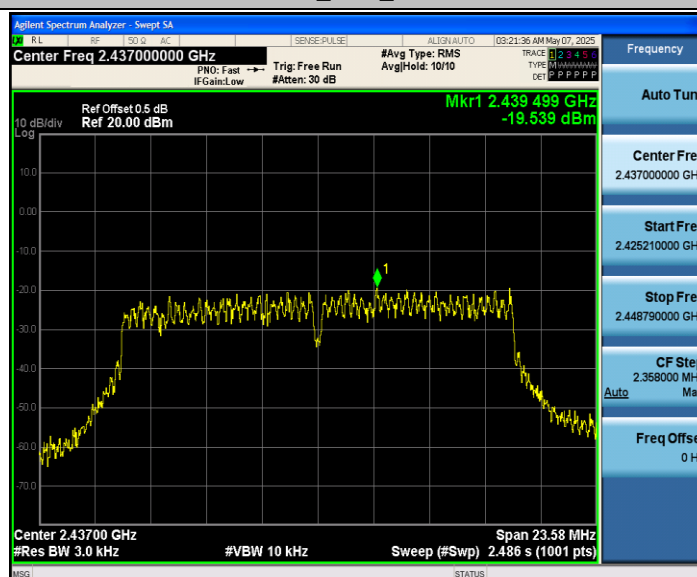
11B\_Ant1\_2462



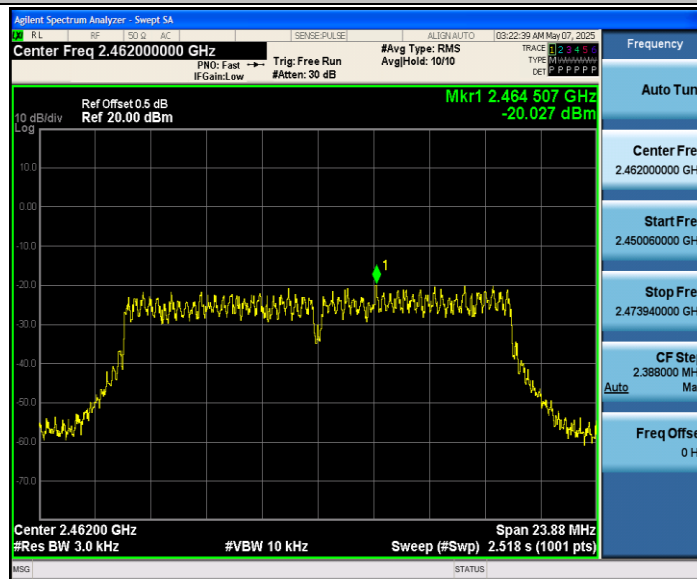
11G\_Ant1\_2412



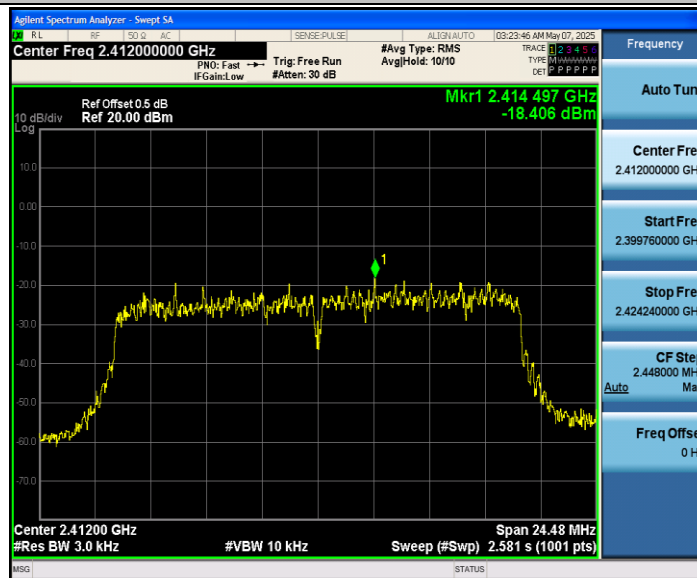
11G\_Ant1\_2437



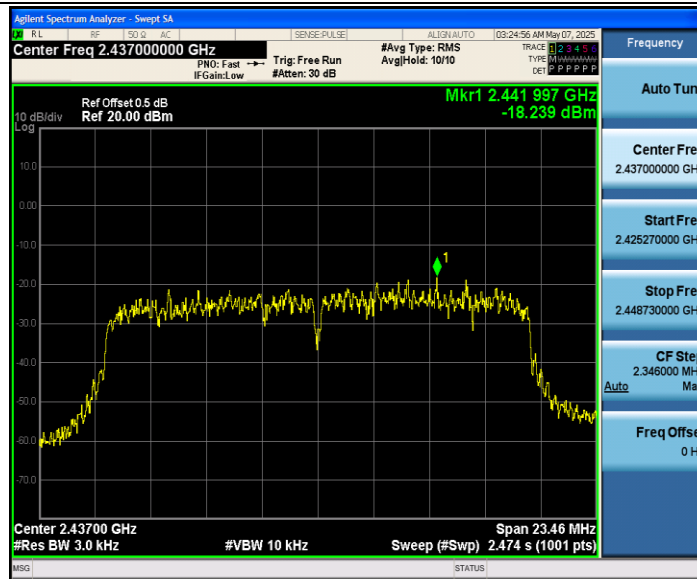
# 11G\_Ant1\_2462



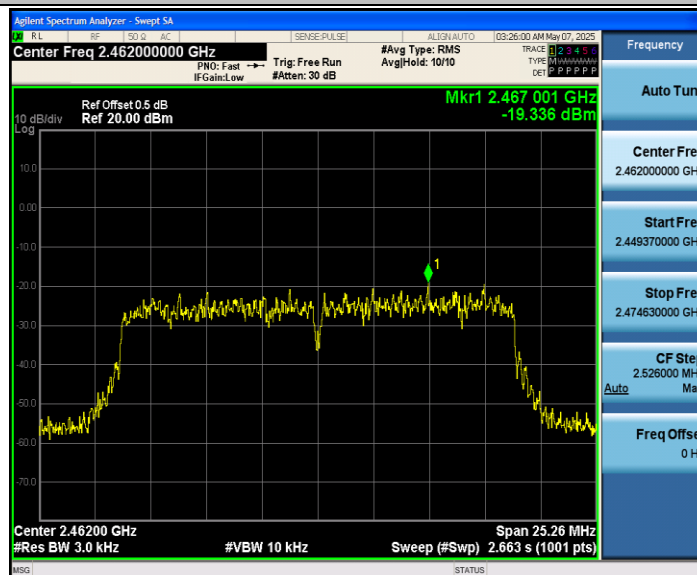
# 11N20SISO\_Ant1\_2412



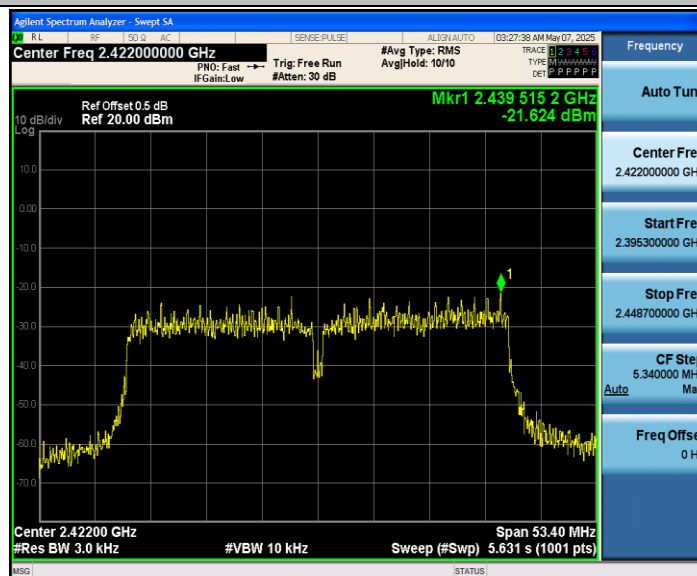
# 11N20SISO\_Ant1\_2437



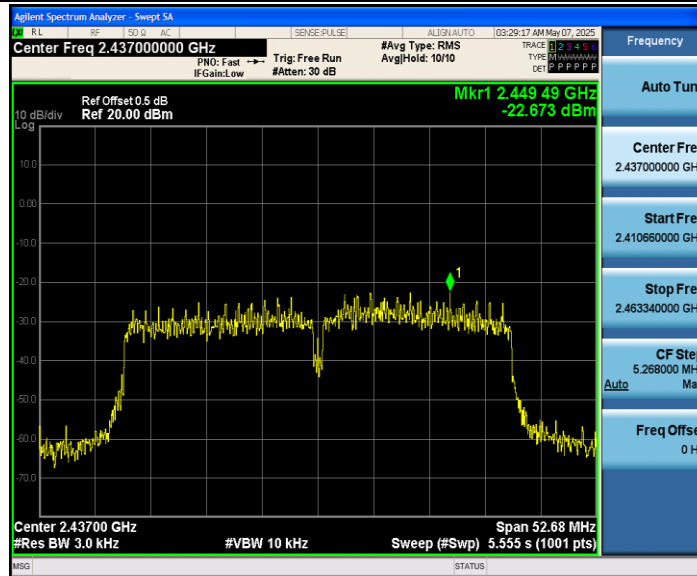
11N20SISO\_Ant1\_2462



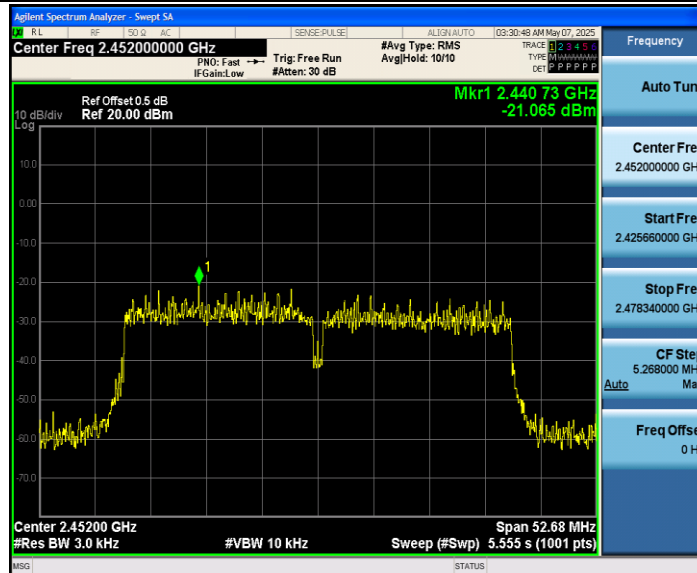
11N40SISO\_Ant1\_2422



# 11N40SISO\_Ant1\_2437



# 11N40SISO\_Ant1\_2452



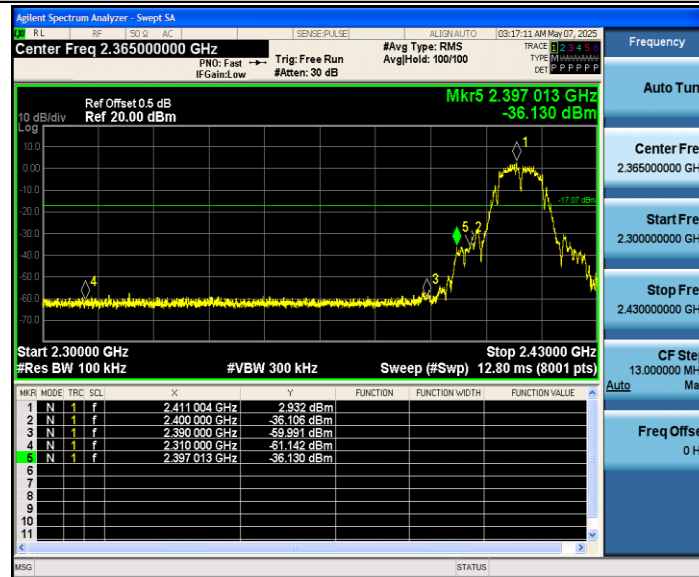
## Appendix E: Band edge measurements

### Test Result

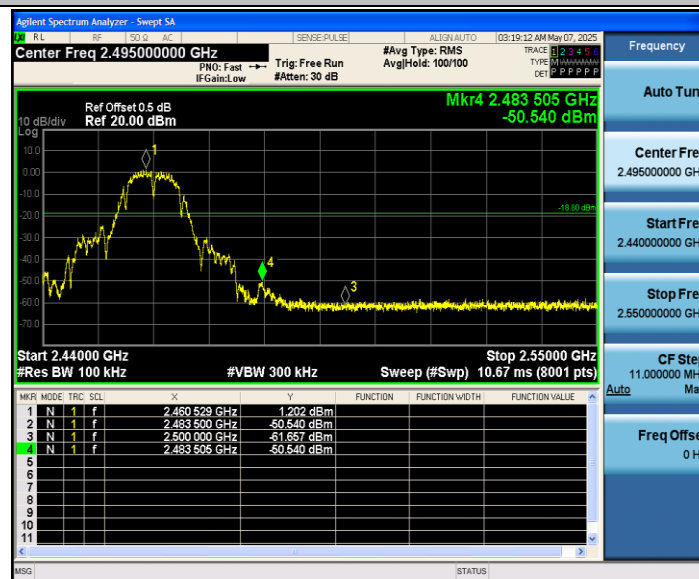
| TestMode  | Antenna | Channel Name | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------------|----------------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low          | 2412           | 2.93          | -36.13      | ≤-17.07    | PASS    |
|           |         | High         | 2462           | 1.20          | -50.54      | ≤-18.8     | PASS    |
| 11G       | Ant1    | Low          | 2412           | -1.91         | -36.87      | ≤-21.91    | PASS    |
|           |         | High         | 2462           | -3.44         | -37.81      | ≤-23.44    | PASS    |
| 11N20SISO | Ant1    | Low          | 2412           | -2.05         | -34.22      | ≤-22.05    | PASS    |
|           |         | High         | 2462           | -3.58         | -39.46      | ≤-23.58    | PASS    |
| 11N40SISO | Ant1    | Low          | 2422           | -5.82         | -38.61      | ≤-25.82    | PASS    |
|           |         | High         | 2452           | -5.48         | -35.61      | ≤-25.48    | PASS    |

## Test Graphs

11B\_Ant1\_Low\_2412



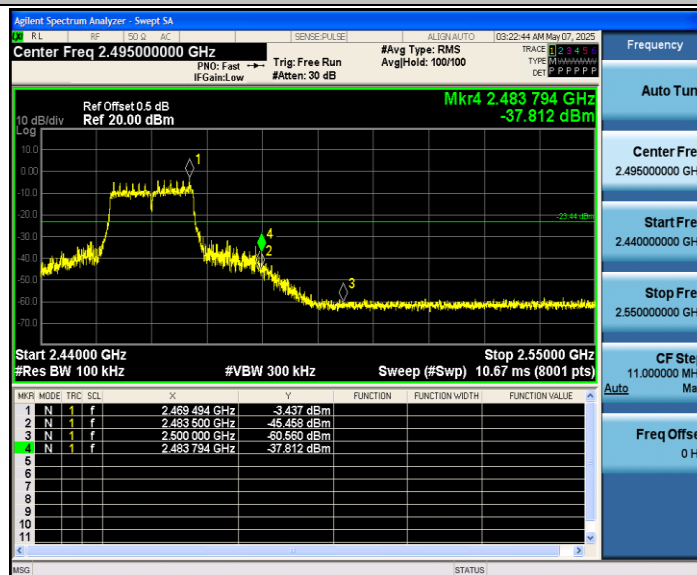
11B\_Ant1\_High\_2462



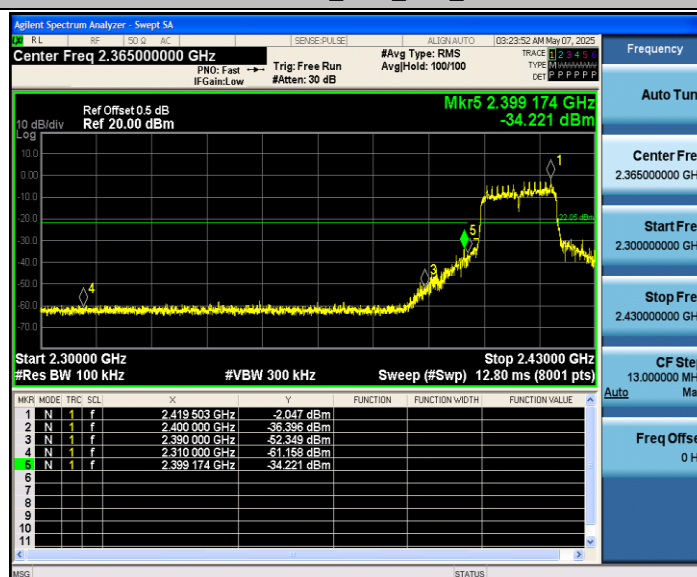
11G\_Ant1\_Low\_2412



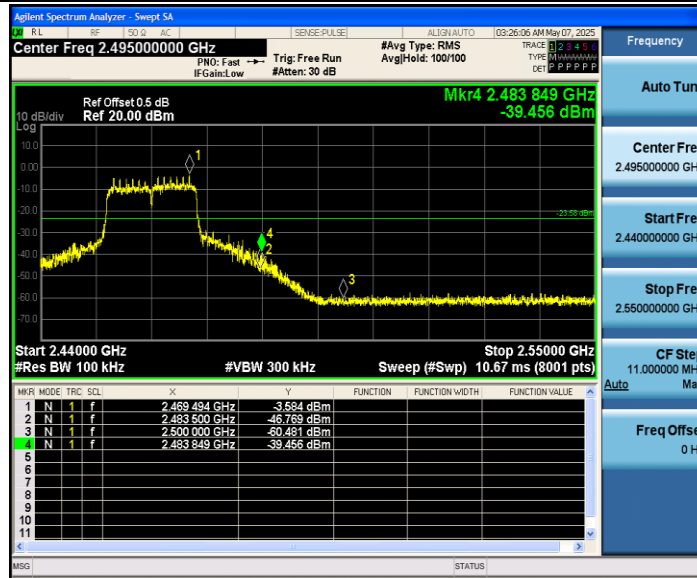
11G\_Ant1\_High\_2462



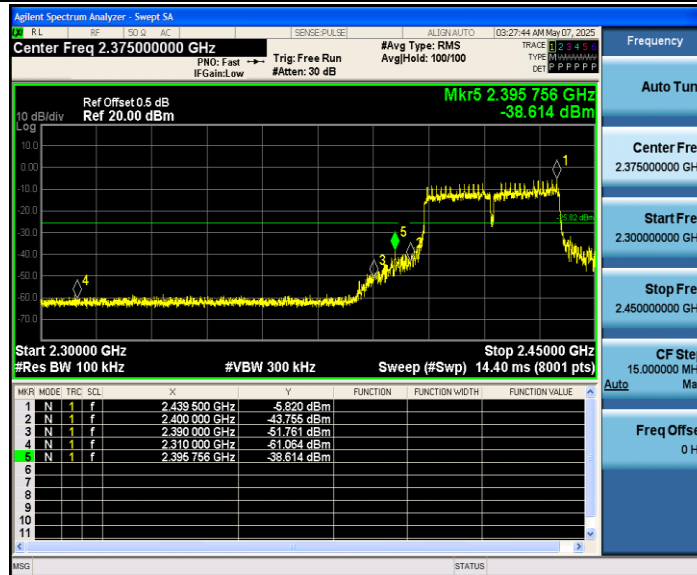
11N20SISO\_Ant1\_Low\_2412



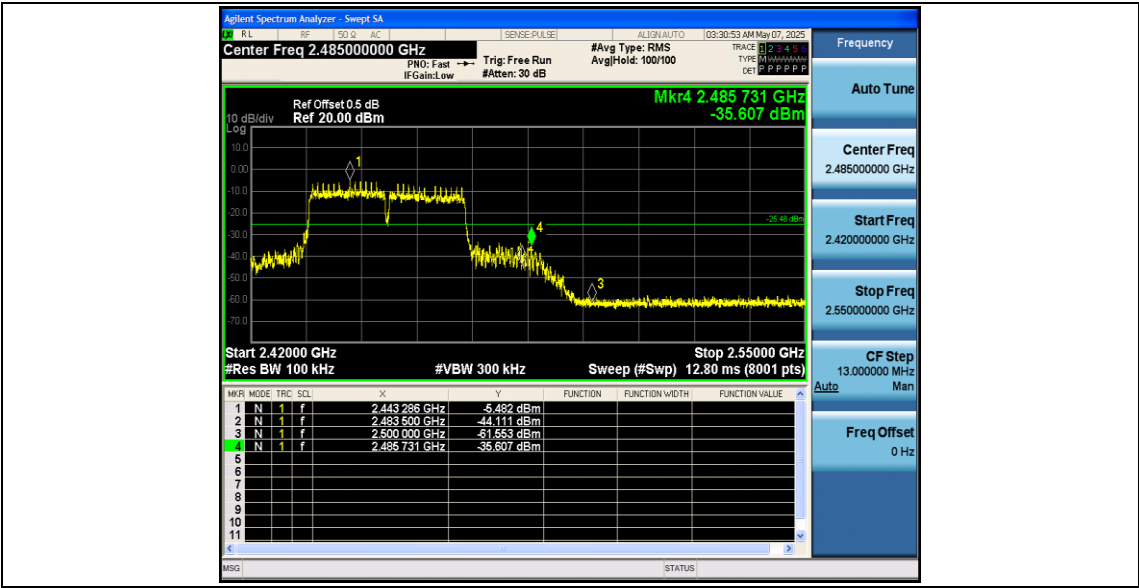
# 11N20SISO\_Ant1\_High\_2462



# 11N40SISO\_Ant1\_Low\_2422



# 11N40SISO\_Ant1\_High\_2452



## Appendix F: Conducted Spurious Emission

### Test Result

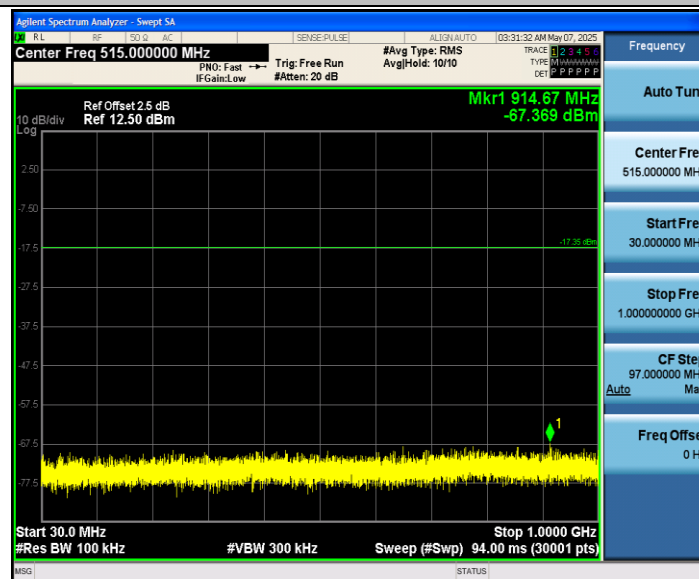
| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412           | Reference       | 2.65           | 2.65         | ---         | PASS    |
|           |         |                | 30~1000         | 2.65           | -67.37       | ≤-17.35     | PASS    |
|           |         |                | 1000~26500      | 2.65           | -37.93       | ≤-17.35     | PASS    |
|           |         | 2437           | Reference       | 2.85           | 2.85         | ---         | PASS    |
|           |         |                | 30~1000         | 2.85           | -65.19       | ≤-17.15     | PASS    |
|           |         |                | 1000~26500      | 2.85           | -36.69       | ≤-17.15     | PASS    |
|           |         | 2462           | Reference       | 2.78           | 2.78         | ---         | PASS    |
|           |         |                | 30~1000         | 2.78           | -67.1        | ≤-17.22     | PASS    |
|           |         |                | 1000~26500      | 2.78           | -30.52       | ≤-17.22     | PASS    |
| 11G       | Ant1    | 2412           | Reference       | -1.99          | -1.99        | ---         | PASS    |
|           |         |                | 30~1000         | -1.99          | -68.22       | ≤-21.99     | PASS    |
|           |         |                | 1000~26500      | -1.99          | -45.21       | ≤-21.99     | PASS    |
|           |         | 2437           | Reference       | -1.13          | -1.13        | ---         | PASS    |
|           |         |                | 30~1000         | -1.13          | -67.75       | ≤-21.13     | PASS    |
|           |         |                | 1000~26500      | -1.13          | -46.55       | ≤-21.13     | PASS    |
|           |         | 2462           | Reference       | -3.36          | -3.36        | ---         | PASS    |
|           |         |                | 30~1000         | -3.36          | -67.17       | ≤-23.36     | PASS    |
|           |         |                | 1000~26500      | -3.36          | -43.2        | ≤-23.36     | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | -0.93          | -0.93        | ---         | PASS    |
|           |         |                | 30~1000         | -0.93          | -68.27       | ≤-20.93     | PASS    |
|           |         |                | 1000~26500      | -0.93          | -50.57       | ≤-20.93     | PASS    |
|           |         | 2437           | Reference       | -1.85          | -1.85        | ---         | PASS    |
|           |         |                | 30~1000         | -1.85          | -68.03       | ≤-21.85     | PASS    |
|           |         |                | 1000~26500      | -1.85          | -46.3        | ≤-21.85     | PASS    |
|           |         | 2462           | Reference       | -2.26          | -2.26        | ---         | PASS    |
|           |         |                | 30~1000         | -2.26          | -67.49       | ≤-22.26     | PASS    |
|           |         |                | 1000~26500      | -2.26          | -43.7        | ≤-22.26     | PASS    |
| 11N40SISO | Ant1    | 2422           | Reference       | -5.17          | -5.17        | ---         | PASS    |
|           |         |                | 30~1000         | -5.17          | -67.56       | ≤-25.17     | PASS    |
|           |         |                | 1000~26500      | -5.17          | -44.89       | ≤-25.17     | PASS    |
|           |         | 2437           | Reference       | -4.08          | -4.08        | ---         | PASS    |
|           |         |                | 30~1000         | -4.08          | -67.98       | ≤-24.08     | PASS    |
|           |         |                | 1000~26500      | -4.08          | -51.89       | ≤-24.08     | PASS    |
|           |         | 2452           | Reference       | -3.83          | -3.83        | ---         | PASS    |
|           |         |                | 30~1000         | -3.83          | -68.22       | ≤-23.83     | PASS    |
|           |         |                | 1000~26500      | -3.83          | -46.65       | ≤-23.83     | PASS    |

## Test Graphs

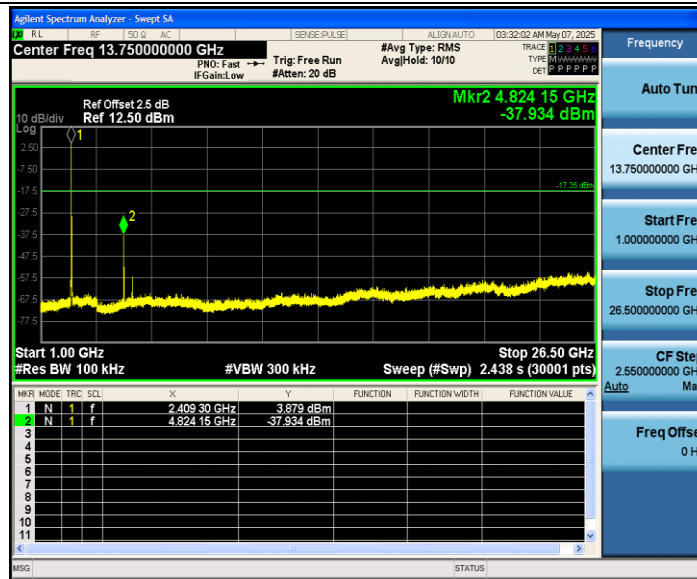
11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000



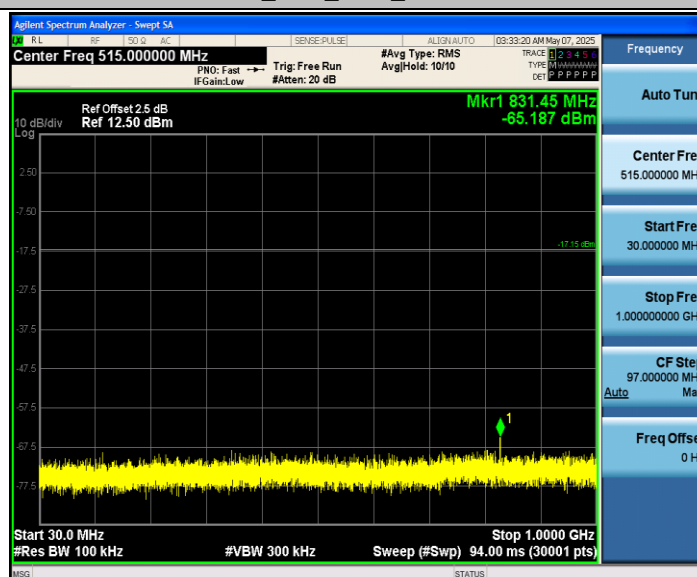
11B\_Ant1\_2412\_1000~26500



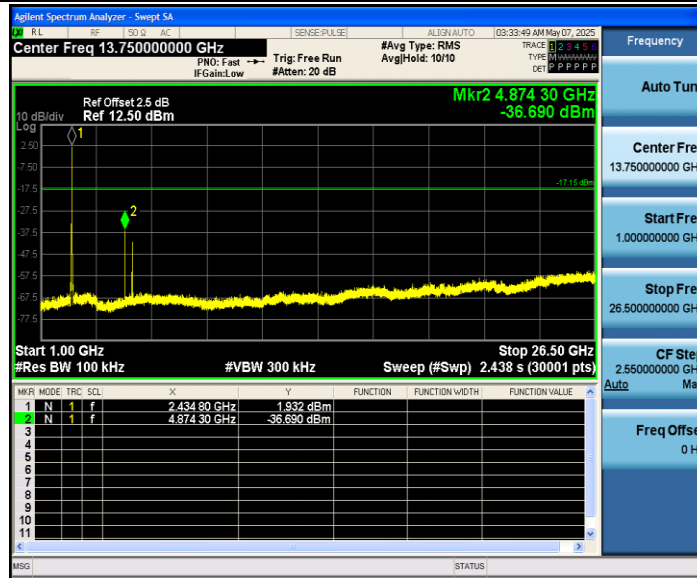
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



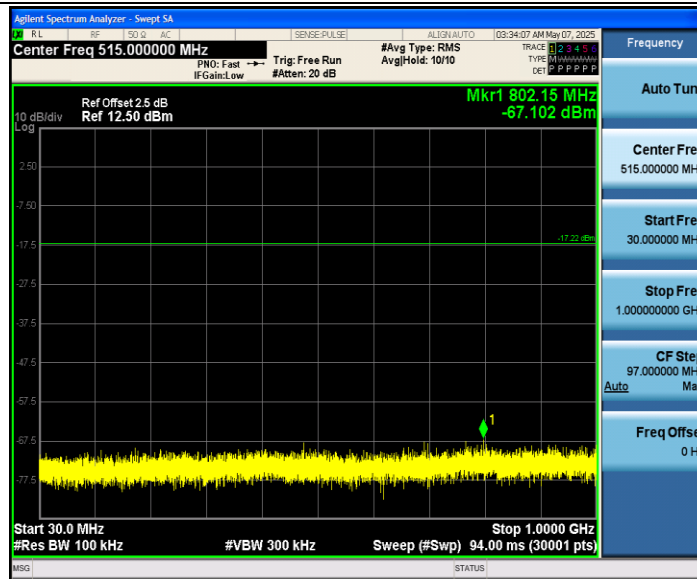
# 11B\_Ant1\_2437\_1000~26500



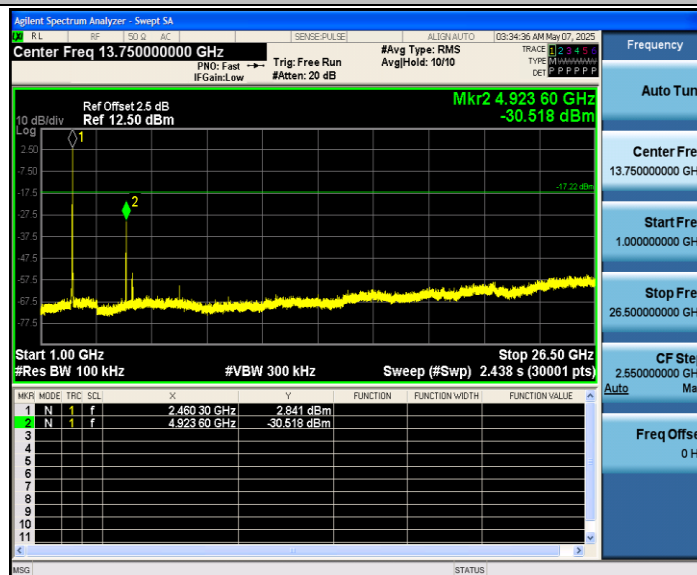
# 11B\_Ant1\_2462\_0~Reference



# 11B\_Ant1\_2462\_30~1000



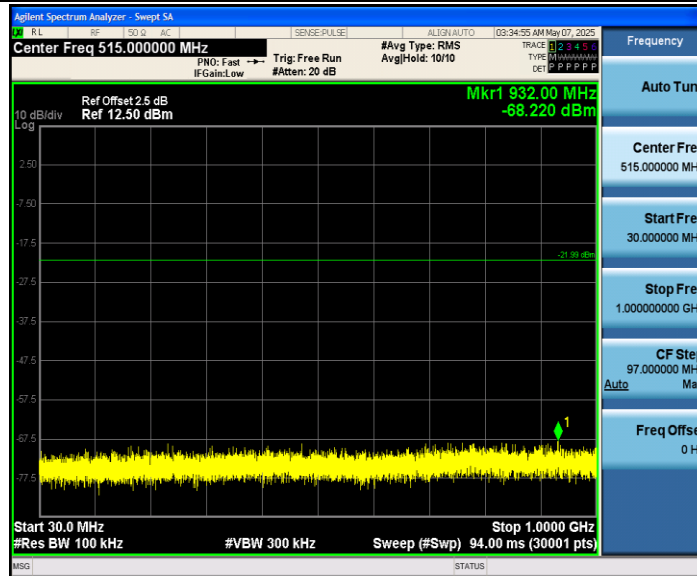
11B\_Ant1\_2462\_1000~26500



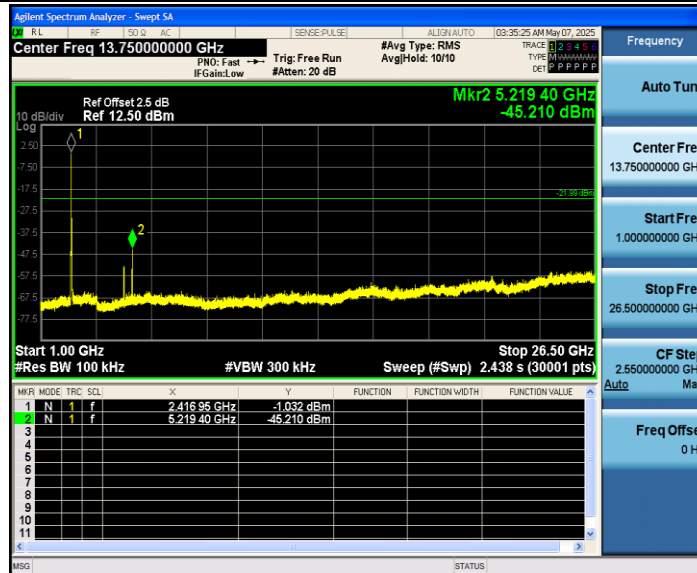
11G\_Ant1\_2412\_0~Reference



# 11G\_Ant1\_2412\_30~1000



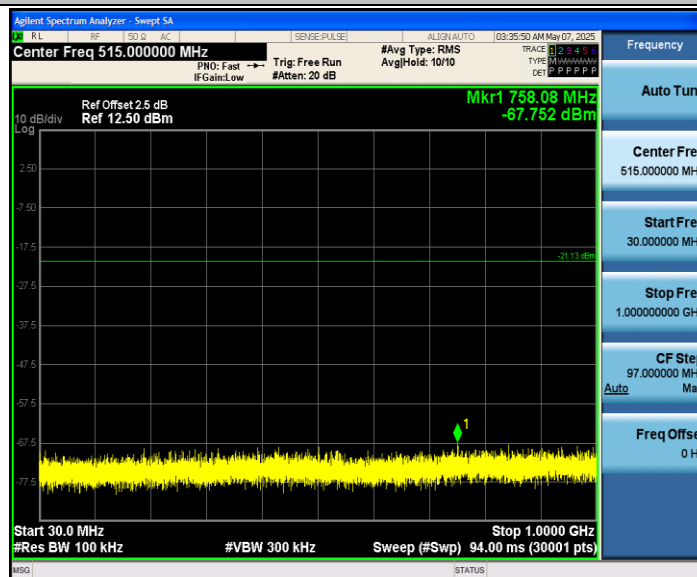
# 11G\_Ant1\_2412\_1000~26500



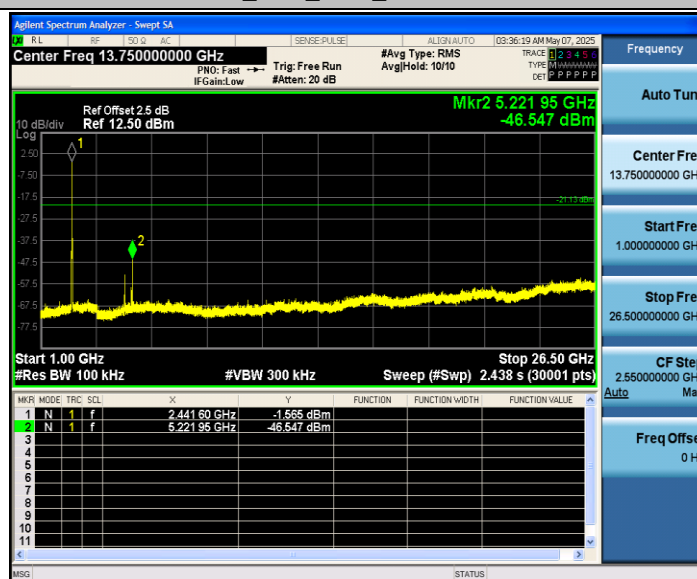
# 11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000



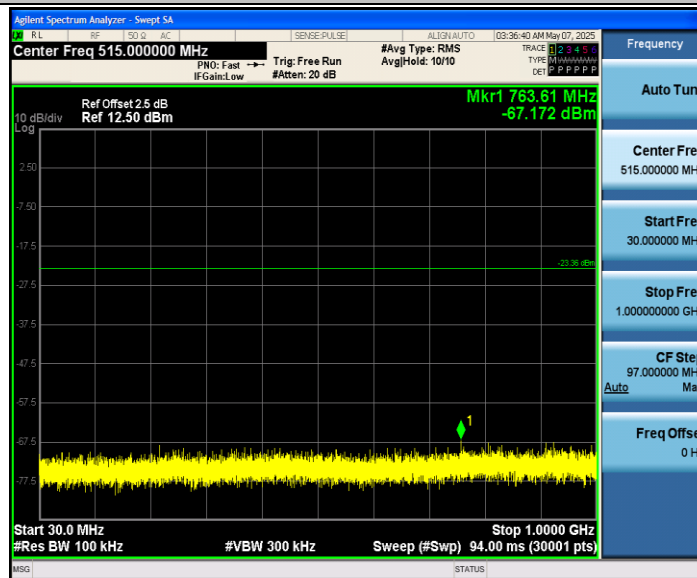
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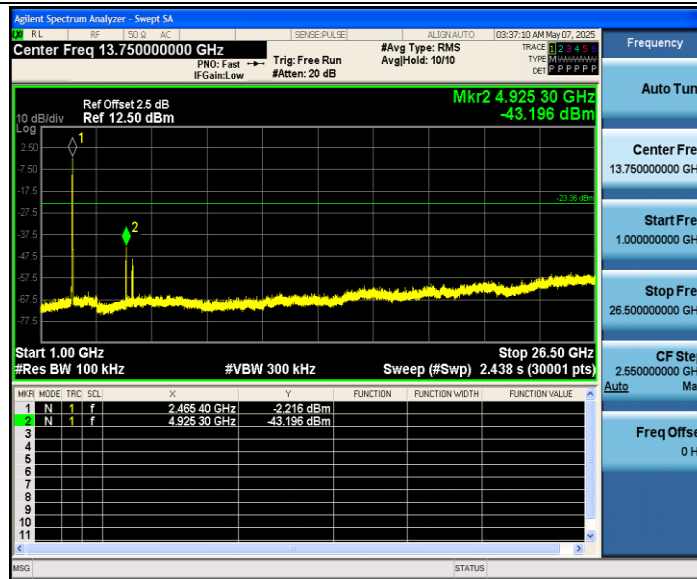
# 11G\_Ant1\_2462\_0~Reference



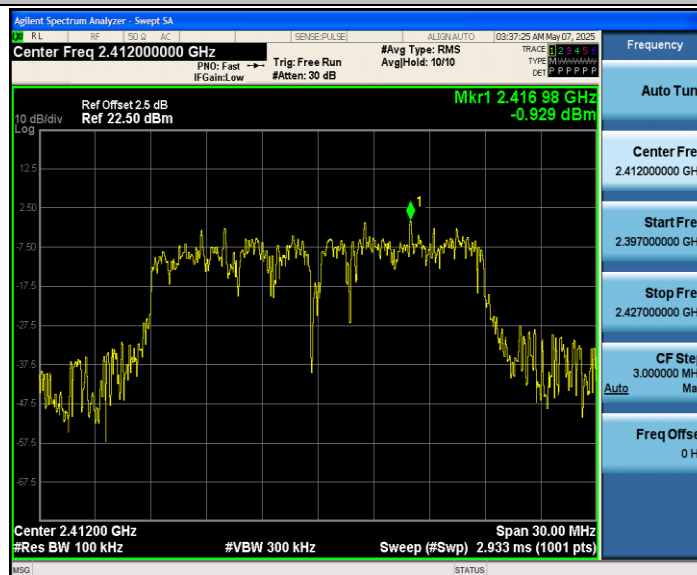
# 11G\_Ant1\_2462\_30~1000



# 11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000

