

## Appendix A: DTS Bandwidth

### Test Result

| TestMode  | Antenna | Frequency[MHz] | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412           | 8.600           | 2407.920 | 2416.520 | 0.5        | PASS    |
|           |         | 2437           | 8.600           | 2432.440 | 2441.040 | 0.5        | PASS    |
|           |         | 2462           | 9.000           | 2457.480 | 2466.480 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 16.360          | 2403.800 | 2420.160 | 0.5        | PASS    |
|           |         | 2437           | 16.320          | 2428.840 | 2445.160 | 0.5        | PASS    |
|           |         | 2462           | 16.320          | 2453.840 | 2470.160 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 17.320          | 2403.440 | 2420.760 | 0.5        | PASS    |
|           |         | 2437           | 17.560          | 2428.200 | 2445.760 | 0.5        | PASS    |
|           |         | 2462           | 17.560          | 2453.200 | 2470.760 | 0.5        | PASS    |

## Test Graphs





11G\_Ant1\_2412



11G\_Ant1\_2437



# 11G\_Ant1\_2462



# 11N20SISO\_Ant1\_2412



# 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



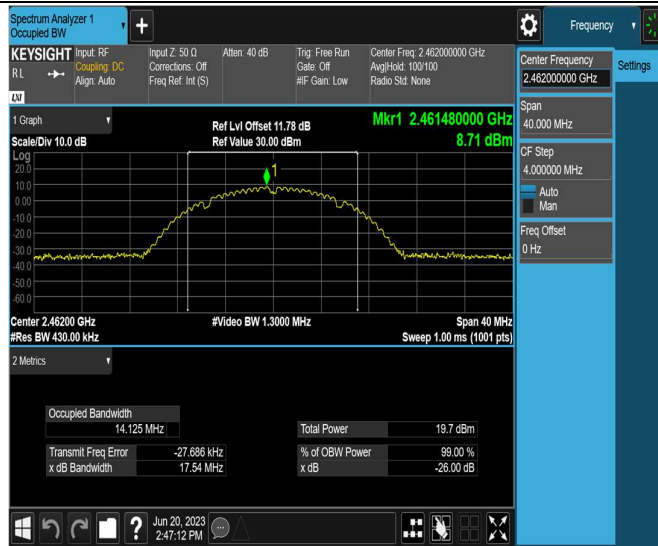
## Appendix B: Occupied Channel Bandwidth

### Test Result

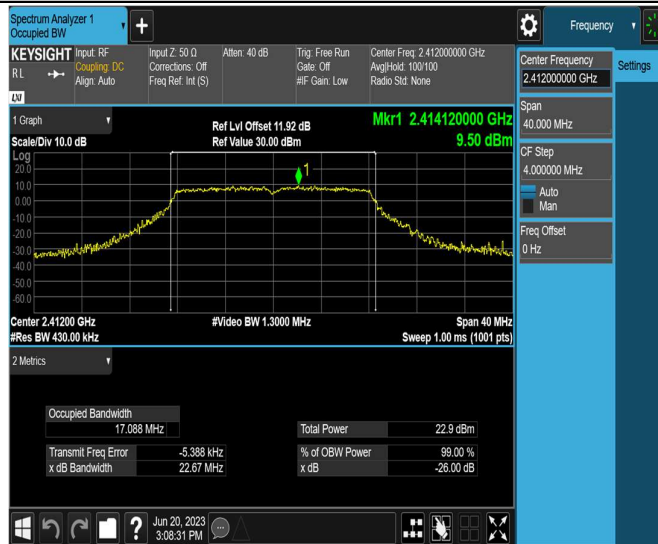
| TestMode  | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|---------------------------|--------------|-----------|-----------|------------|---------|
| 11B       | Ant1    | 2412                      | 14.124       | 2404.9134 | 2419.0374 | ---        | ---     |
|           |         | 2437                      | 14.051       | 2429.9491 | 2444.0001 | ---        | ---     |
|           |         | 2462                      | 14.125       | 2454.9098 | 2469.0348 | ---        | ---     |
| 11G       | Ant1    | 2412                      | 17.088       | 2403.4506 | 2420.5386 | ---        | ---     |
|           |         | 2437                      | 17.128       | 2428.4449 | 2445.5729 | ---        | ---     |
|           |         | 2462                      | 17.167       | 2453.4190 | 2470.5860 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                      | 18.220       | 2402.9078 | 2421.1278 | ---        | ---     |
|           |         | 2437                      | 18.204       | 2427.8712 | 2446.0752 | ---        | ---     |
|           |         | 2462                      | 18.166       | 2452.9372 | 2471.1032 | ---        | ---     |

## Test Graphs

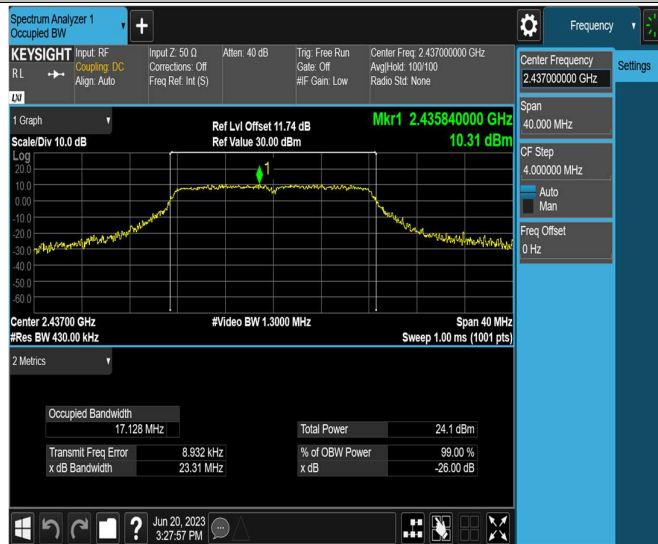




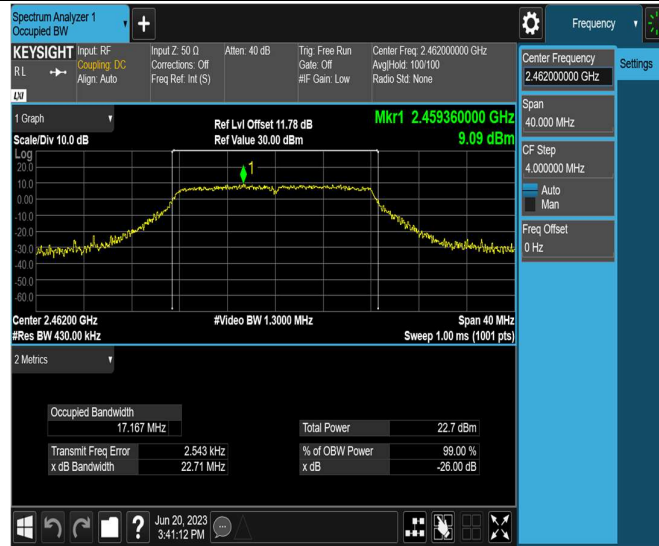
11G\_Ant1\_2412



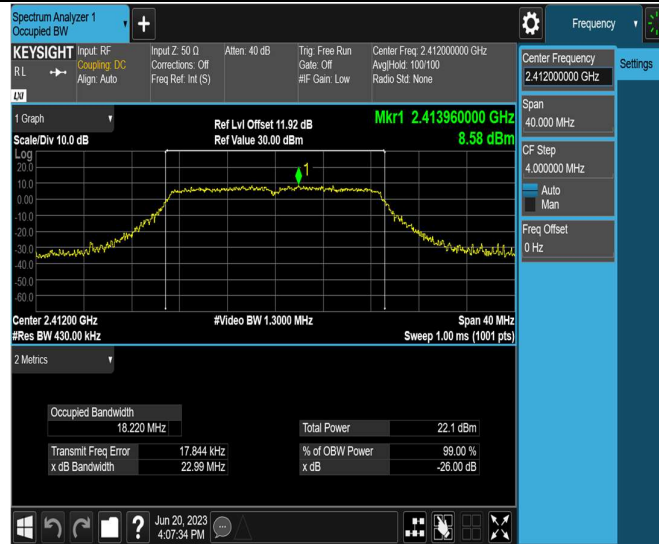
11G\_Ant1\_2437



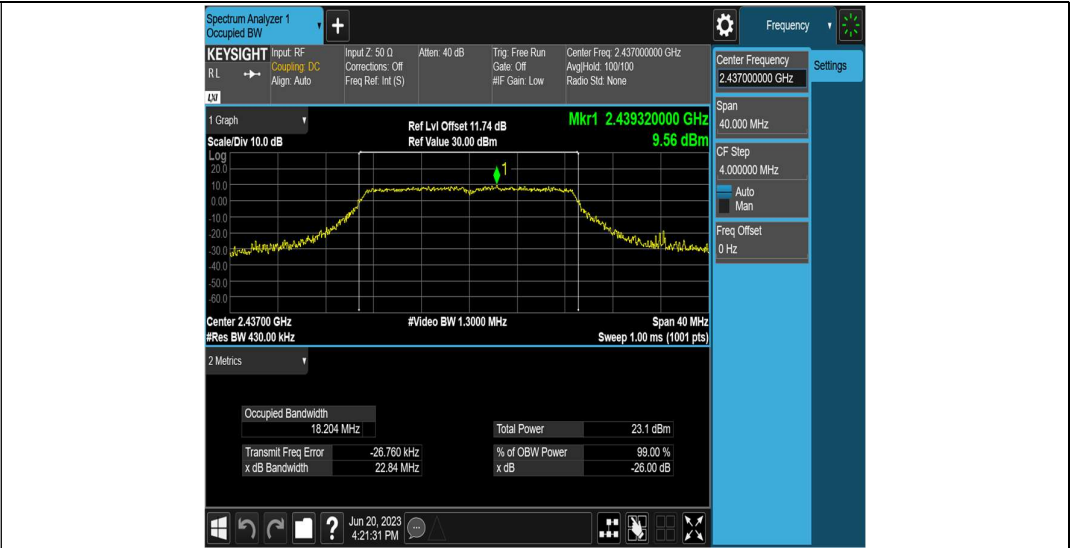
# 11G\_Ant1\_2462



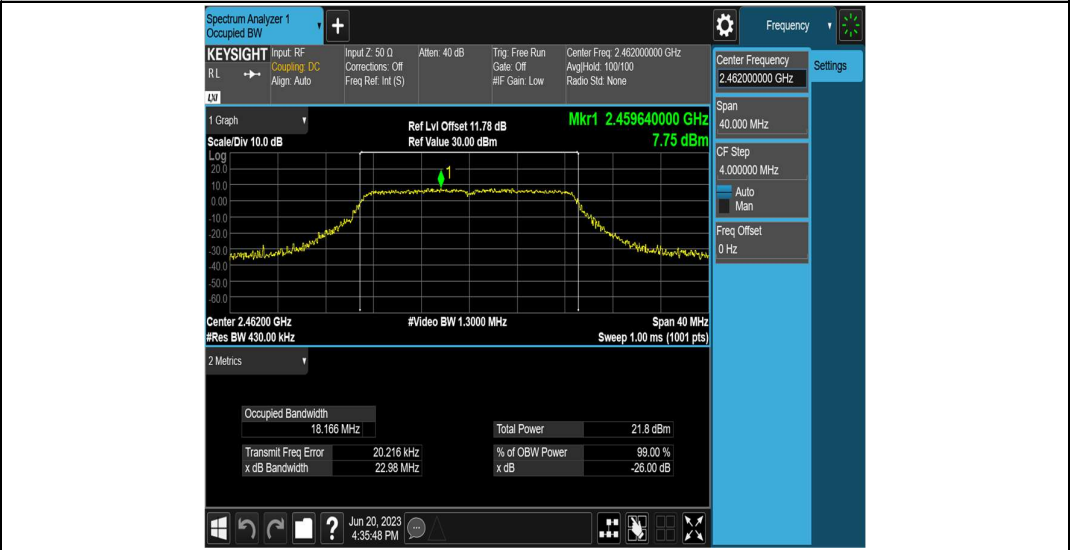
# 11N20SISO\_Ant1\_2412



# 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



## Appendix C: Maximum conducted output power

### Test Result

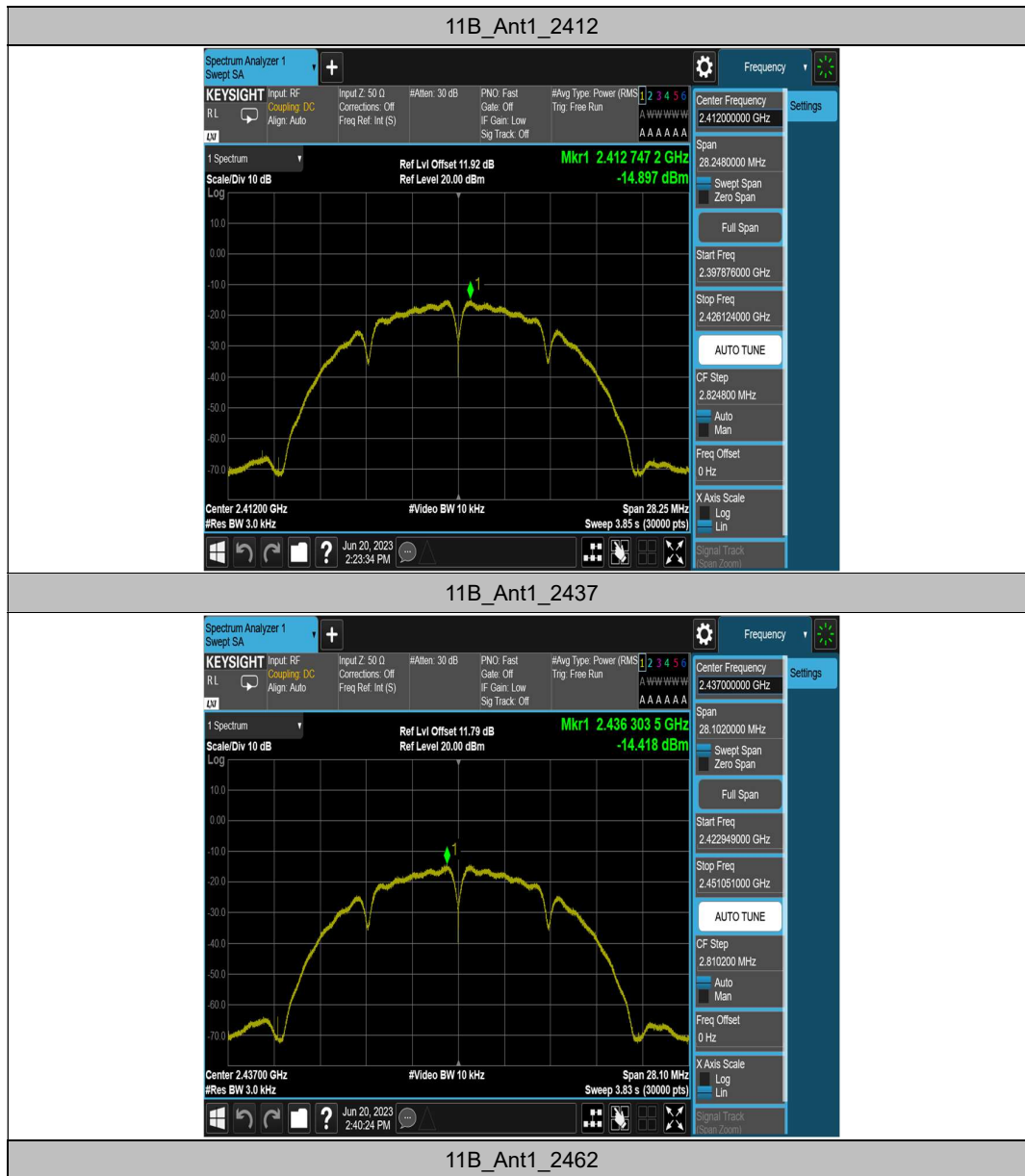
| TestMode  | Antenna | Frequen<br>cy[MHz] | Conductd<br>Power[dBm] | Conducted<br>Limit[dBm] | EIRP<br>[dBm] | EIRP<br>Limit[dBm] | Verdict |
|-----------|---------|--------------------|------------------------|-------------------------|---------------|--------------------|---------|
| 11B       | Ant1    | 2412               | 16.51                  | ≤30.00                  | 19.05         | ≤36.00             | PASS    |
|           |         | 2437               | 17.04                  | ≤30.00                  | 19.58         | ≤36.00             | PASS    |
|           |         | 2462               | 16.68                  | ≤30.00                  | 19.22         | ≤36.00             | PASS    |
| 11G       | Ant1    | 2412               | 16.82                  | ≤30.00                  | 19.36         | ≤36.00             | PASS    |
|           |         | 2437               | 18.03                  | ≤30.00                  | 20.57         | ≤36.00             | PASS    |
|           |         | 2462               | 16.58                  | ≤30.00                  | 19.12         | ≤36.00             | PASS    |
| 11N20SISO | Ant1    | 2412               | 16.00                  | ≤30.00                  | 18.54         | ≤36.00             | PASS    |
|           |         | 2437               | 17.01                  | ≤30.00                  | 19.55         | ≤36.00             | PASS    |
|           |         | 2462               | 15.69                  | ≤30.00                  | 18.23         | ≤36.00             | PASS    |

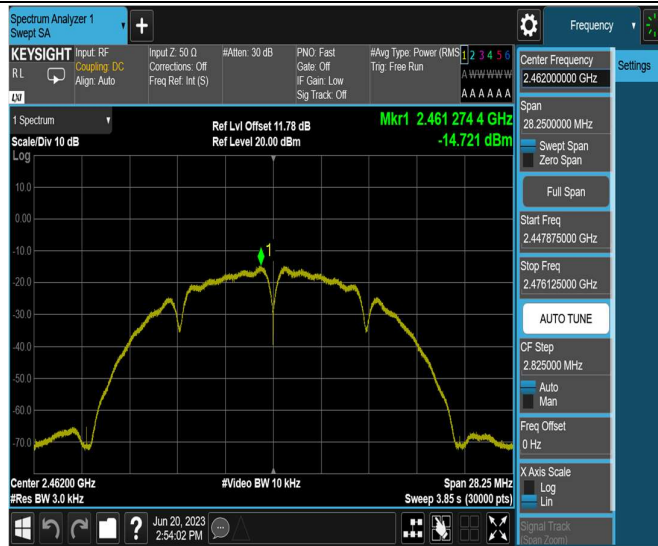
## Appendix D: Maximum power spectral density

### Test Result

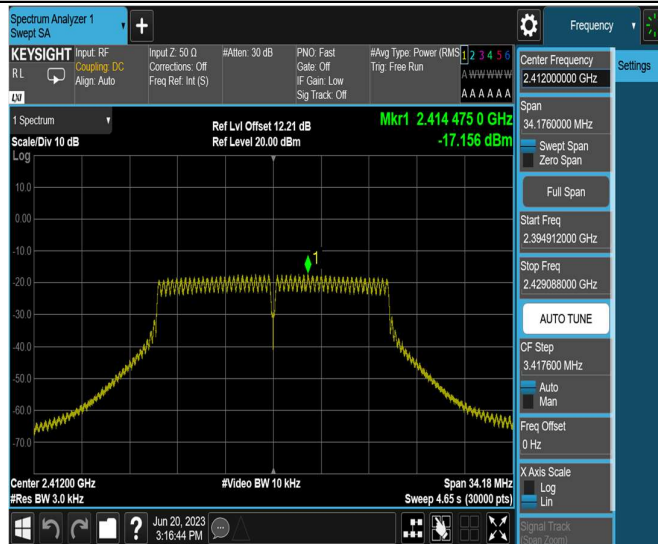
| TestMode  | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -14.9                | ≤8.00           | PASS    |
|           |         | 2437           | -14.42               | ≤8.00           | PASS    |
|           |         | 2462           | -14.72               | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -17.16               | ≤8.00           | PASS    |
|           |         | 2437           | -15.93               | ≤8.00           | PASS    |
|           |         | 2462           | -17.36               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -18.35               | ≤8.00           | PASS    |
|           |         | 2437           | -17.15               | ≤8.00           | PASS    |
|           |         | 2462           | -18.47               | ≤8.00           | PASS    |

## Test Graphs

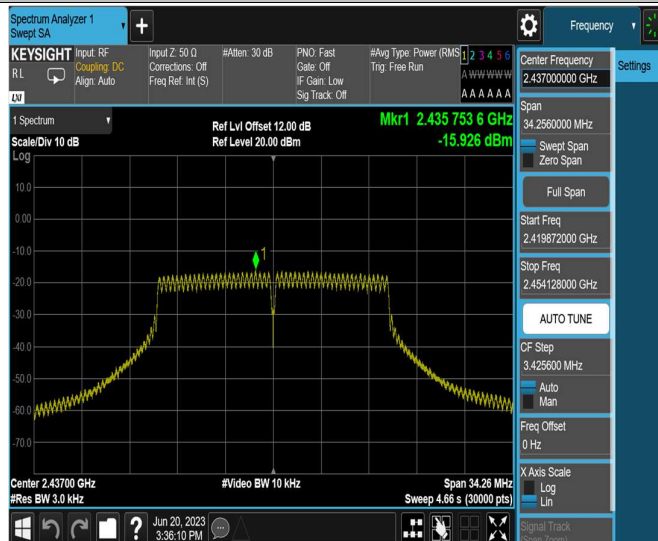




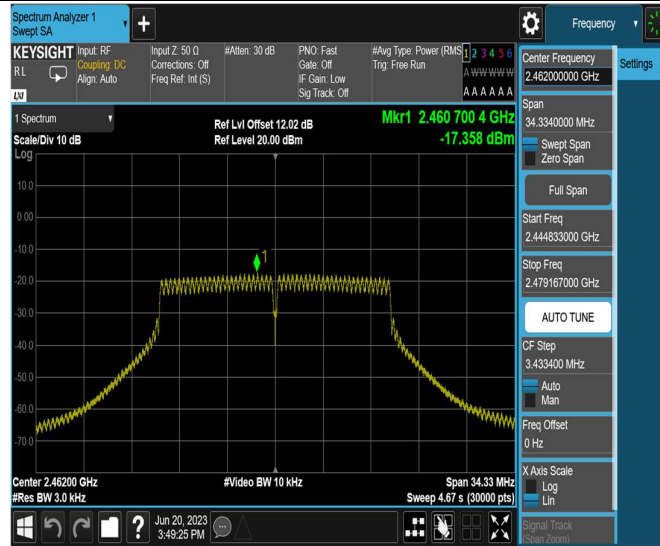
11G\_Ant1\_2412



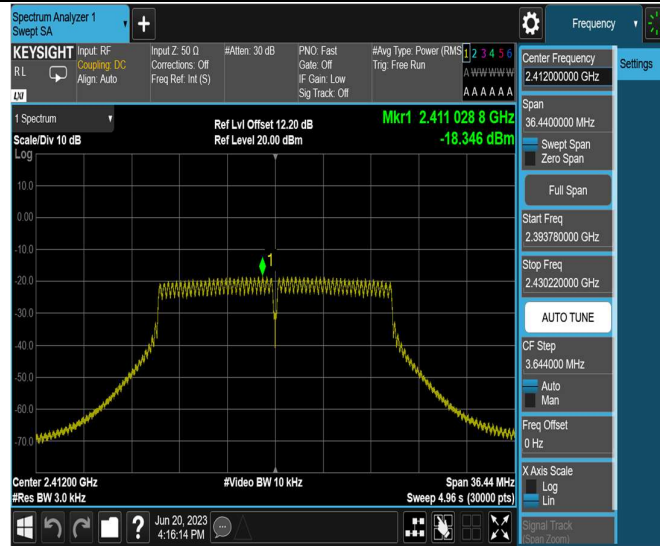
11G\_Ant1\_2437



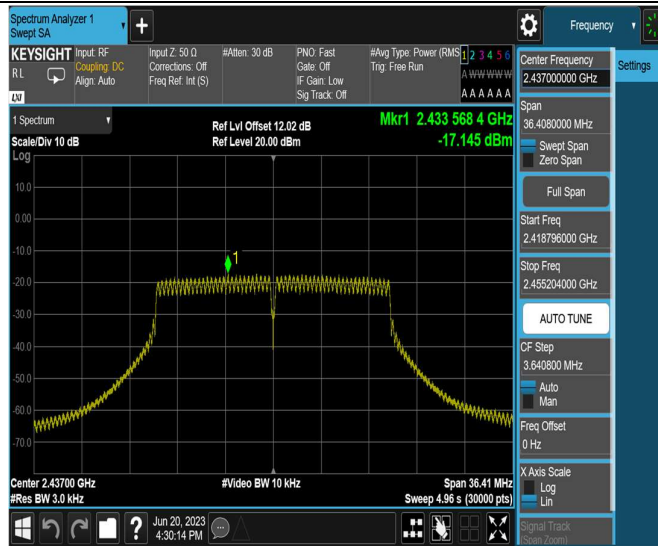
# 11G\_Ant1\_2462



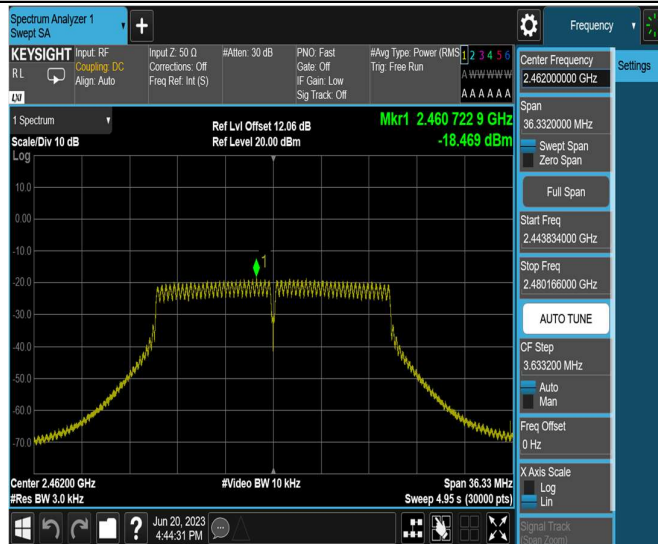
# 11N20SISO\_Ant1\_2412



# 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

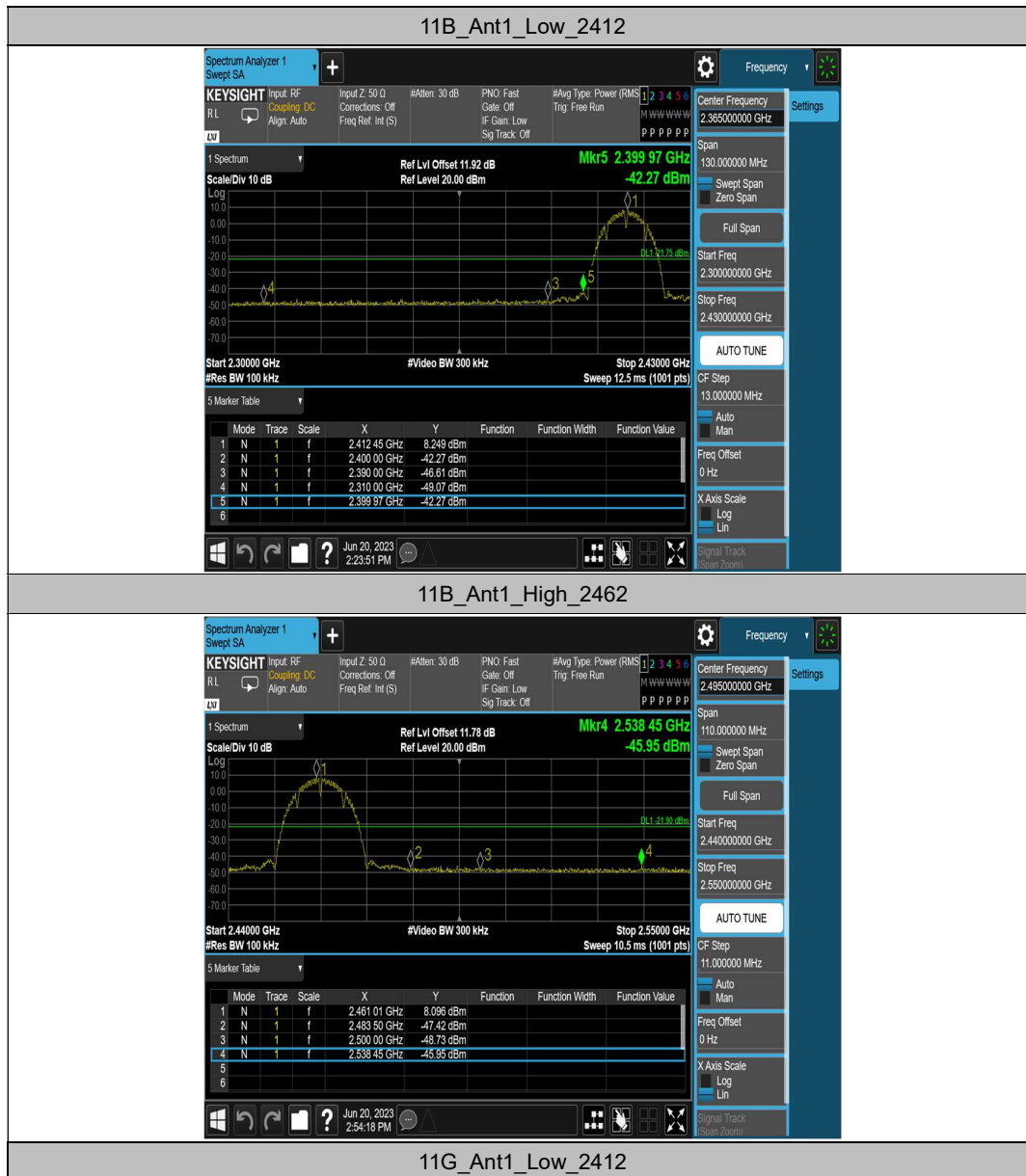


## Appendix E: Band edge measurements

### Test Result

| TestMode  | Antenna | Channel Name | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------------|----------------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low          | 2412           | 8.25          | -42.27      | ≤-21.75    | PASS    |
|           |         | High         | 2462           | 8.10          | -45.95      | ≤-21.9     | PASS    |
| 11G       | Ant1    | Low          | 2412           | 5.52          | -28.39      | ≤-24.48    | PASS    |
|           |         | High         | 2462           | 5.40          | -39.31      | ≤-24.61    | PASS    |
| 11N20SISO | Ant1    | Low          | 2412           | 5.31          | -29.94      | ≤-24.69    | PASS    |
|           |         | High         | 2462           | 4.47          | -41.15      | ≤-25.53    | PASS    |

## Test Graphs





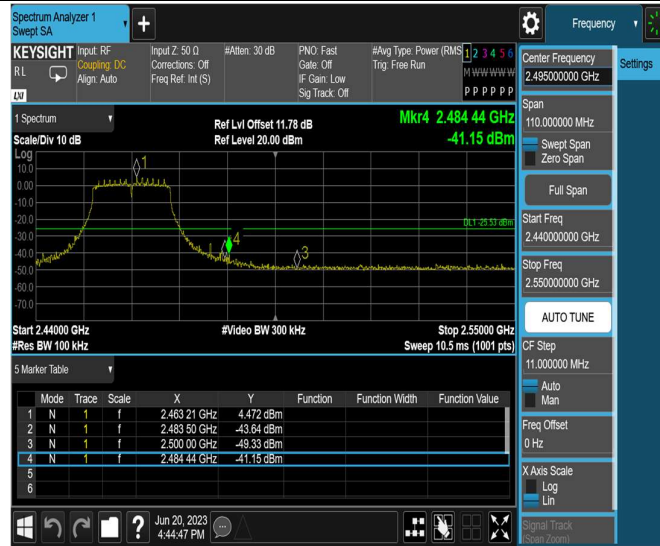
11G\_Ant1\_High\_2462



11N20ISO\_Ant1\_Low\_2412



# 11N20SISO\_Ant1\_High\_2462

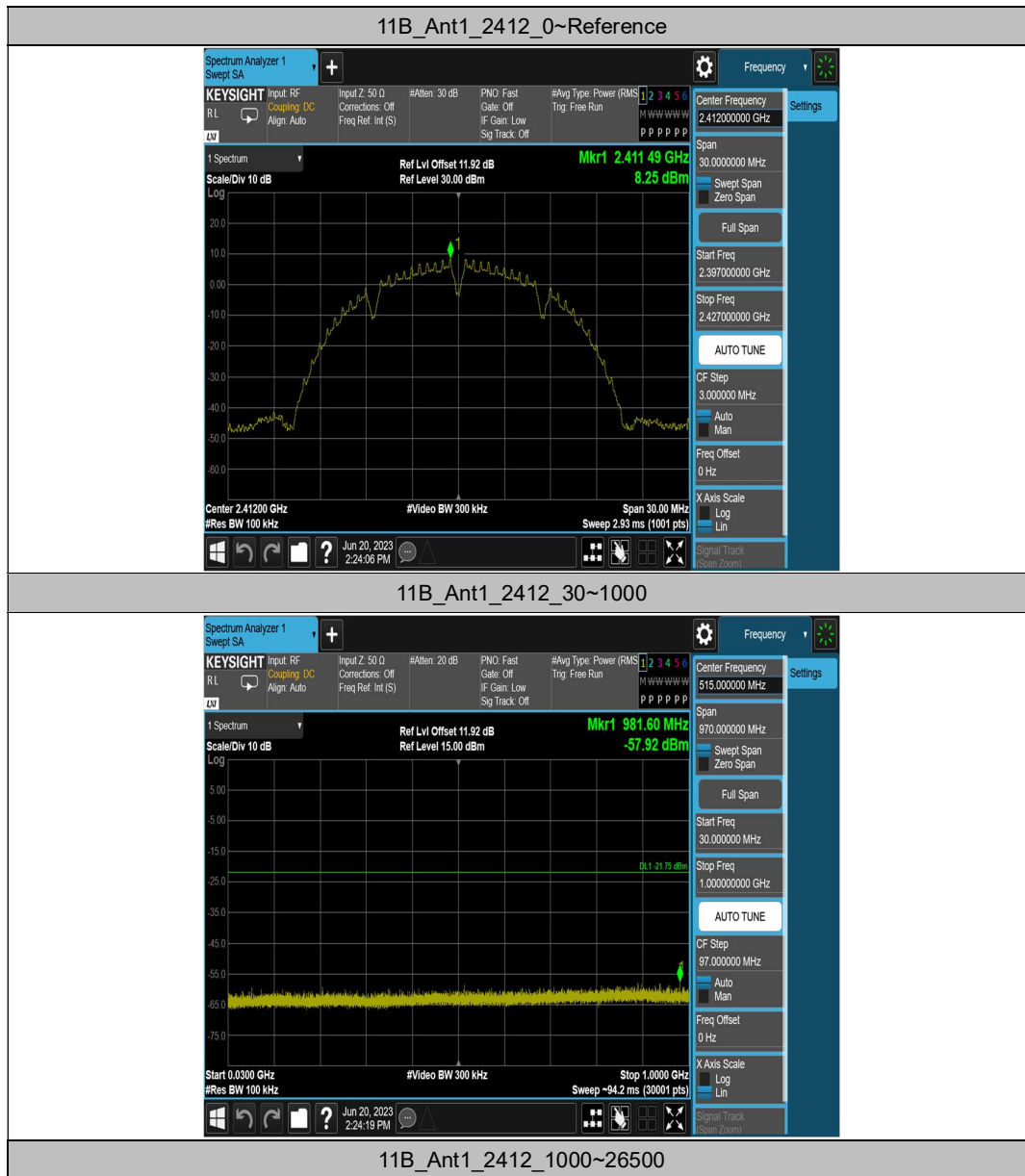


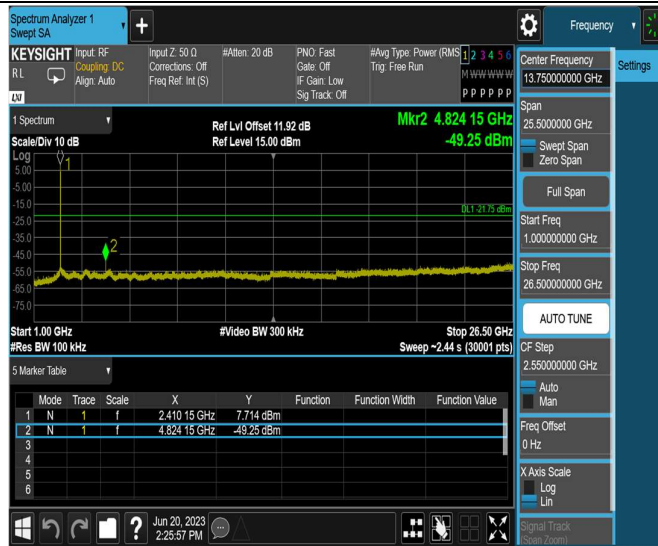
## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412           | Reference       | 8.25           | 8.25         | ---         | PASS    |
|           |         |                | 30~1000         | 8.25           | -57.92       | ≤-21.75     | PASS    |
|           |         |                | 1000~26500      | 8.25           | -49.25       | ≤-21.75     | PASS    |
|           |         | 2437           | Reference       | 8.59           | 8.59         | ---         | PASS    |
|           |         |                | 30~1000         | 8.59           | -58.34       | ≤-21.41     | PASS    |
|           |         |                | 1000~26500      | 8.59           | -49.82       | ≤-21.41     | PASS    |
|           |         | 2462           | Reference       | 8.35           | 8.35         | ---         | PASS    |
|           |         |                | 30~1000         | 8.35           | -58.6        | ≤-21.65     | PASS    |
|           |         |                | 1000~26500      | 8.35           | -48.58       | ≤-21.65     | PASS    |
| 11G       | Ant1    | 2412           | Reference       | 6.11           | 6.11         | ---         | PASS    |
|           |         |                | 30~1000         | 6.11           | -57.78       | ≤-23.89     | PASS    |
|           |         |                | 1000~26500      | 6.11           | -49.73       | ≤-23.89     | PASS    |
|           |         | 2437           | Reference       | 7.37           | 7.37         | ---         | PASS    |
|           |         |                | 30~1000         | 7.37           | -57.92       | ≤-22.63     | PASS    |
|           |         |                | 1000~26500      | 7.37           | -49.87       | ≤-22.63     | PASS    |
|           |         | 2462           | Reference       | 5.88           | 5.88         | ---         | PASS    |
|           |         |                | 30~1000         | 5.88           | -58.39       | ≤-24.12     | PASS    |
|           |         |                | 1000~26500      | 5.88           | -49.54       | ≤-24.12     | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | 4.91           | 4.91         | ---         | PASS    |
|           |         |                | 30~1000         | 4.91           | -57.72       | ≤-25.09     | PASS    |
|           |         |                | 1000~26500      | 4.91           | -49.66       | ≤-25.09     | PASS    |
|           |         | 2437           | Reference       | 6.37           | 6.37         | ---         | PASS    |
|           |         |                | 30~1000         | 6.37           | -57.45       | ≤-23.63     | PASS    |
|           |         |                | 1000~26500      | 6.37           | -50.03       | ≤-23.63     | PASS    |
|           |         | 2462           | Reference       | 4.79           | 4.79         | ---         | PASS    |
|           |         |                | 30~1000         | 4.79           | -58.29       | ≤-25.21     | PASS    |
|           |         |                | 1000~26500      | 4.79           | -49.57       | ≤-25.21     | PASS    |

## Test Graphs

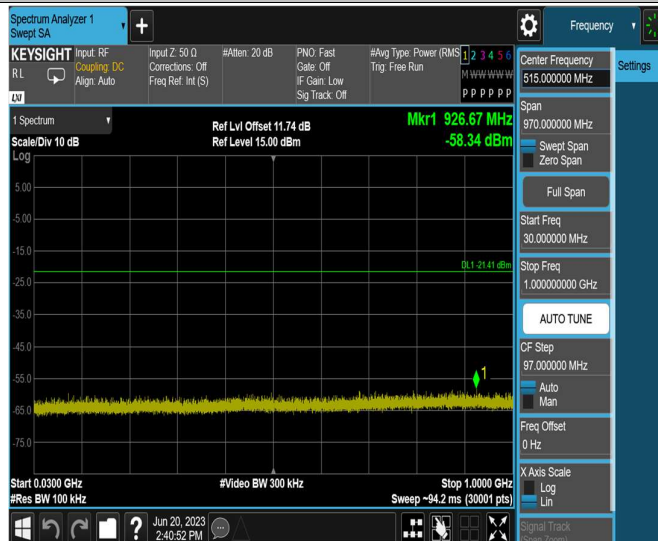




11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



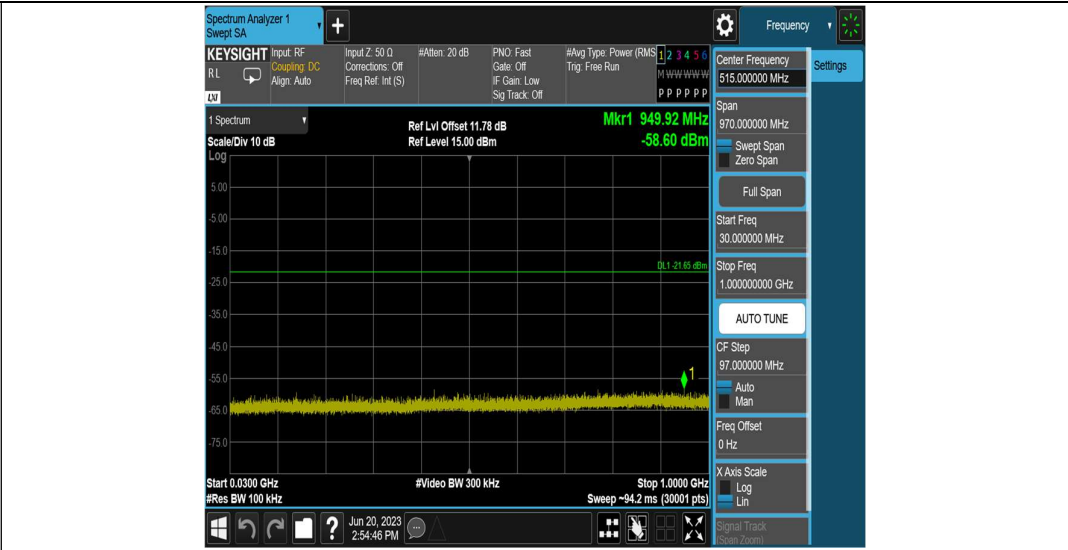
# 11B\_Ant1\_2437\_1000~26500



# 11B\_Ant1\_2462\_0~Reference



# 11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference

