

## Appendix A: DTS Bandwidth

### Test Result

| TestMode  | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412           | 10.040       | 2407.080 | 2417.120 | 0.5        | PASS    |
| 11B       | Ant1    | 2437           | 9.440        | 2432.520 | 2441.960 | 0.5        | PASS    |
| 11B       | Ant1    | 2462           | 10.080       | 2457.040 | 2467.120 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 16.440       | 2403.840 | 2420.280 | 0.5        | PASS    |
| 11G       | Ant1    | 2437           | 16.480       | 2428.800 | 2445.280 | 0.5        | PASS    |
| 11G       | Ant1    | 2462           | 16.360       | 2453.840 | 2470.200 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 17.480       | 2403.280 | 2420.760 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2437           | 17.560       | 2428.240 | 2445.800 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2462           | 17.520       | 2453.280 | 2470.800 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422           | 35.920       | 2404.080 | 2440.000 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2437           | 35.920       | 2419.080 | 2455.000 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2452           | 35.920       | 2434.080 | 2470.000 | 0.5        | PASS    |

## Test Graphs



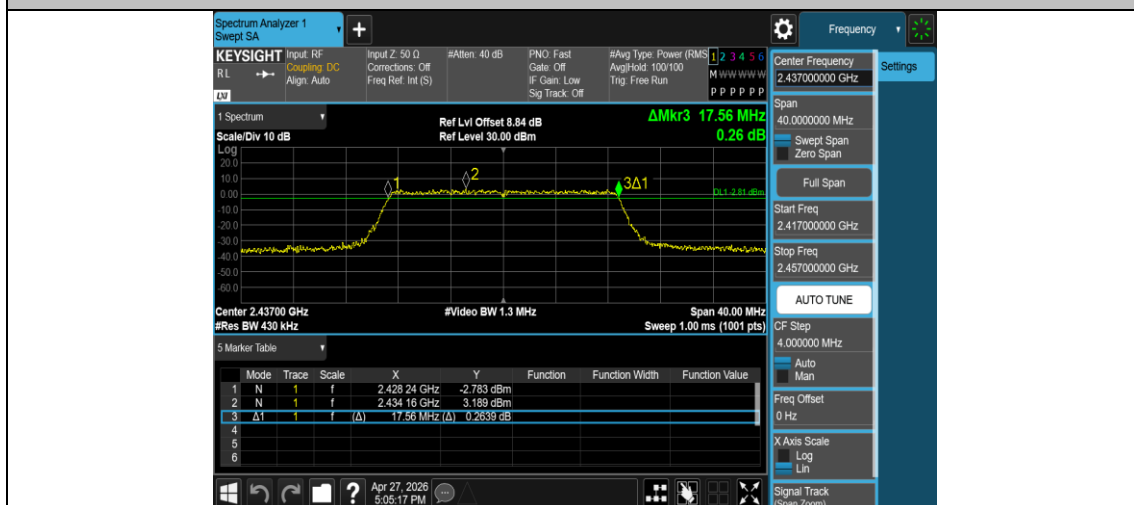

**11G-Ant1-2412-PASS**

**11G-Ant1-2437-PASS**

**11G-Ant1-2462-PASS**



11N20SISO-Ant1-2412-PASS



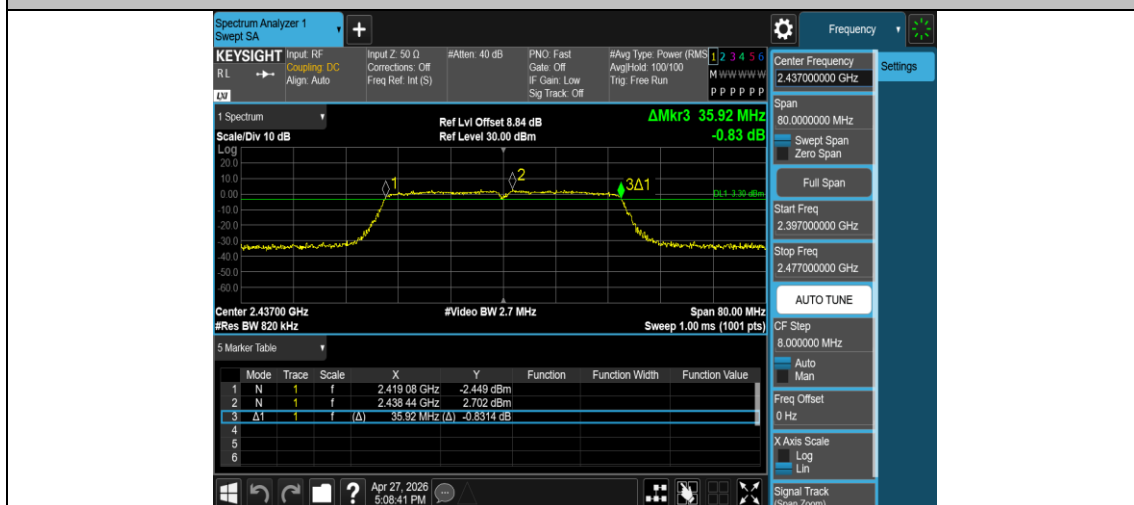
11N20SISO-Ant1-2437-PASS



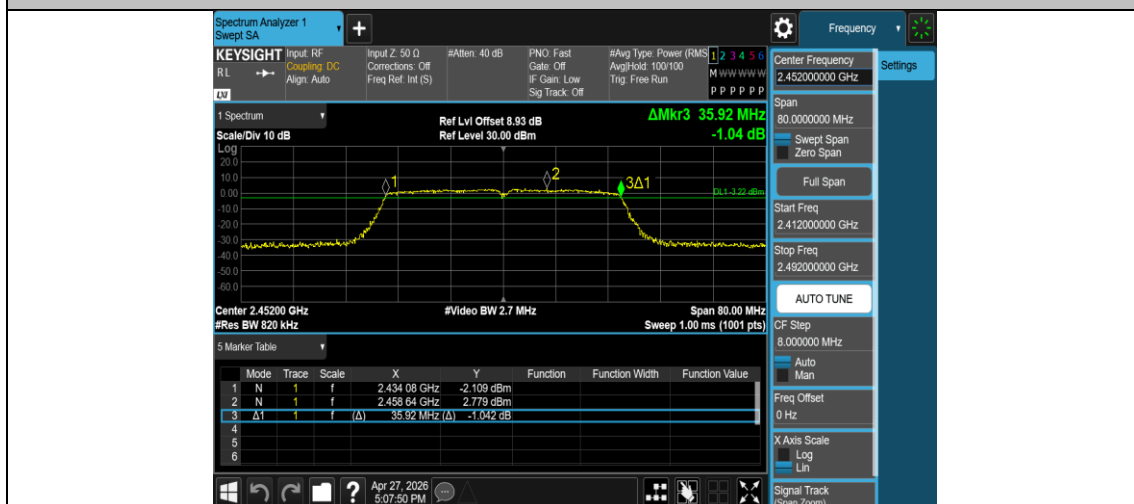
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

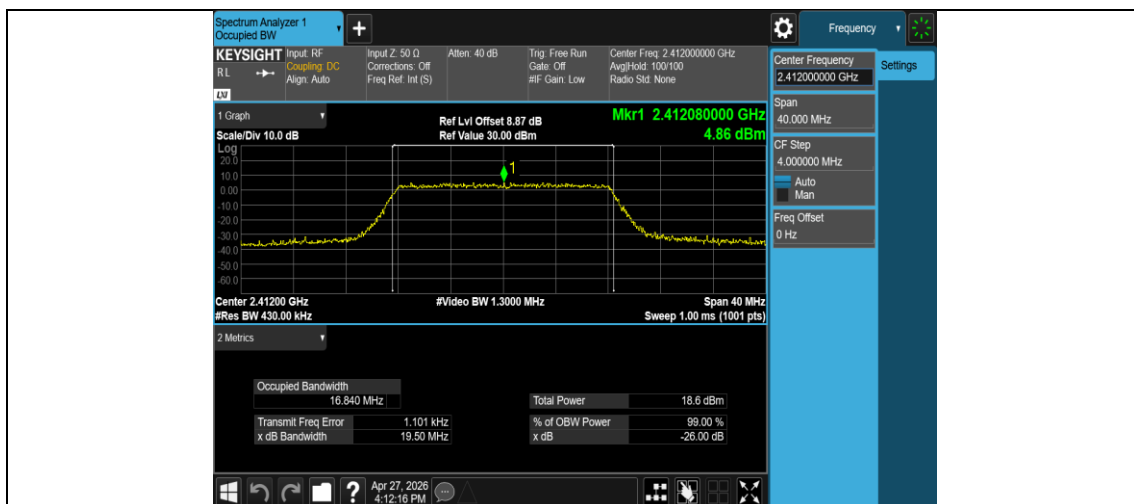
## Appendix B: Occupied Channel Bandwidth

### Test Result

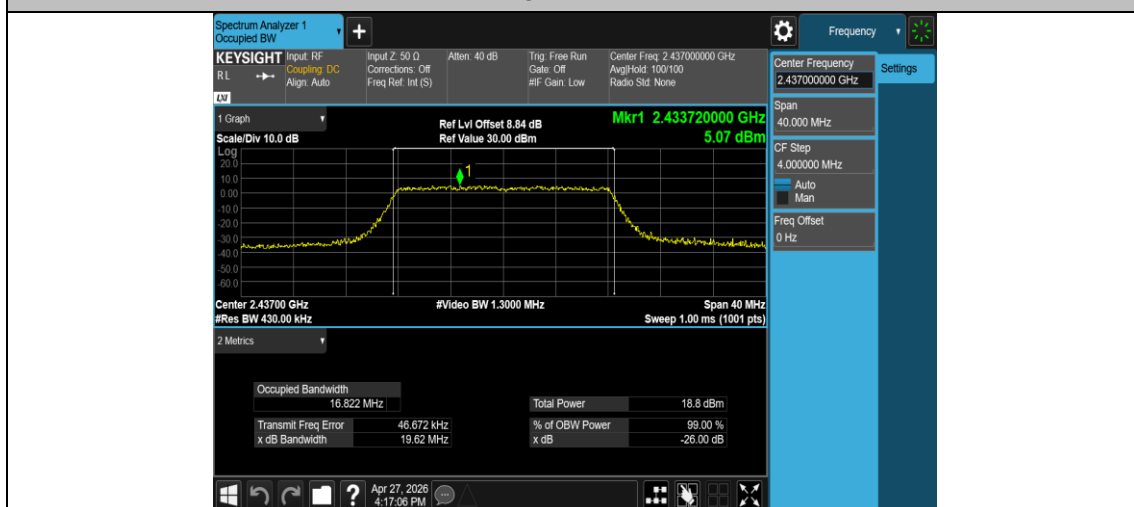
| TestMode  | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|---------------------------|--------------|-----------|-----------|------------|---------|
| 11B       | Ant1    | 2412                      | 13.042       | 2405.4795 | 2418.5215 | ---        | ---     |
| 11B       | Ant1    | 2437                      | 13.003       | 2430.4826 | 2443.4856 | ---        | ---     |
| 11B       | Ant1    | 2462                      | 13.022       | 2455.4744 | 2468.4964 | ---        | ---     |
| 11G       | Ant1    | 2412                      | 16.840       | 2403.5811 | 2420.4211 | ---        | ---     |
| 11G       | Ant1    | 2437                      | 16.822       | 2428.6357 | 2445.4577 | ---        | ---     |
| 11G       | Ant1    | 2462                      | 16.881       | 2453.5655 | 2470.4465 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                      | 17.651       | 2403.2008 | 2420.8518 | ---        | ---     |
| 11N20SISO | Ant1    | 2437                      | 17.671       | 2428.1912 | 2445.8622 | ---        | ---     |
| 11N20SISO | Ant1    | 2462                      | 17.623       | 2453.1967 | 2470.8197 | ---        | ---     |
| 11N40SISO | Ant1    | 2422                      | 36.147       | 2403.9640 | 2440.1110 | ---        | ---     |
| 11N40SISO | Ant1    | 2437                      | 36.160       | 2419.0023 | 2455.1623 | ---        | ---     |
| 11N40SISO | Ant1    | 2452                      | 36.100       | 2433.9645 | 2470.0645 | ---        | ---     |

## Test Graphs

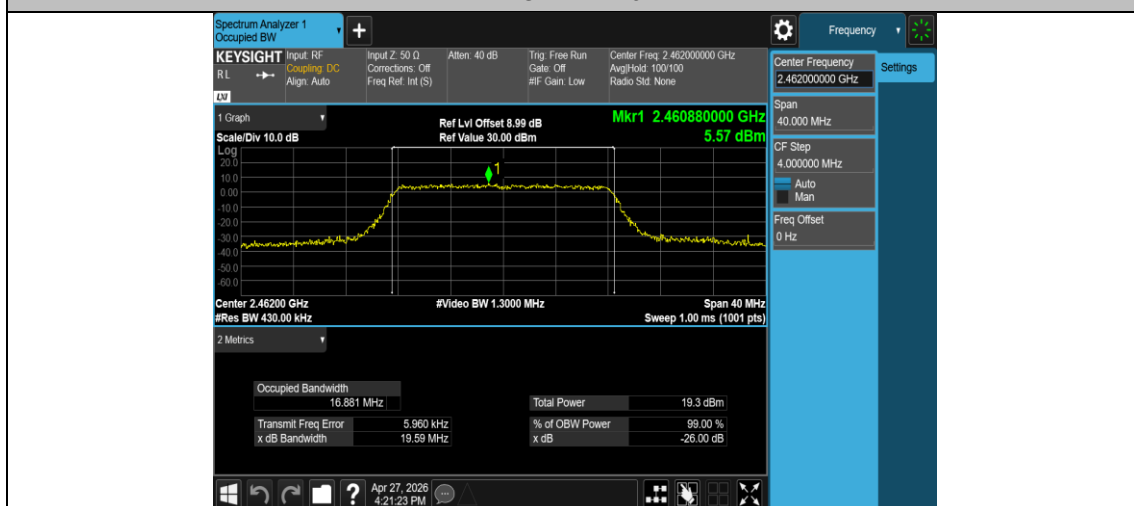




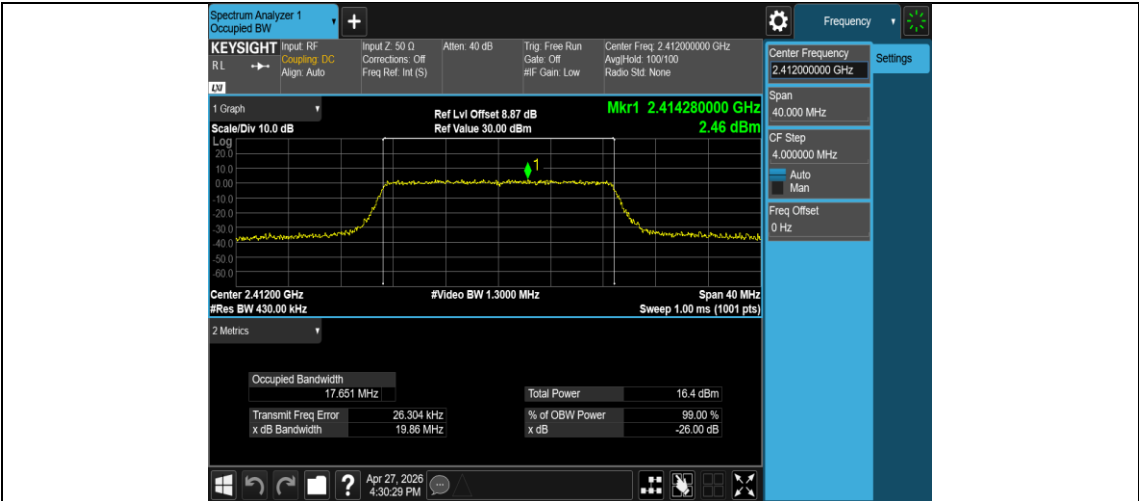
11G-Ant1-2412



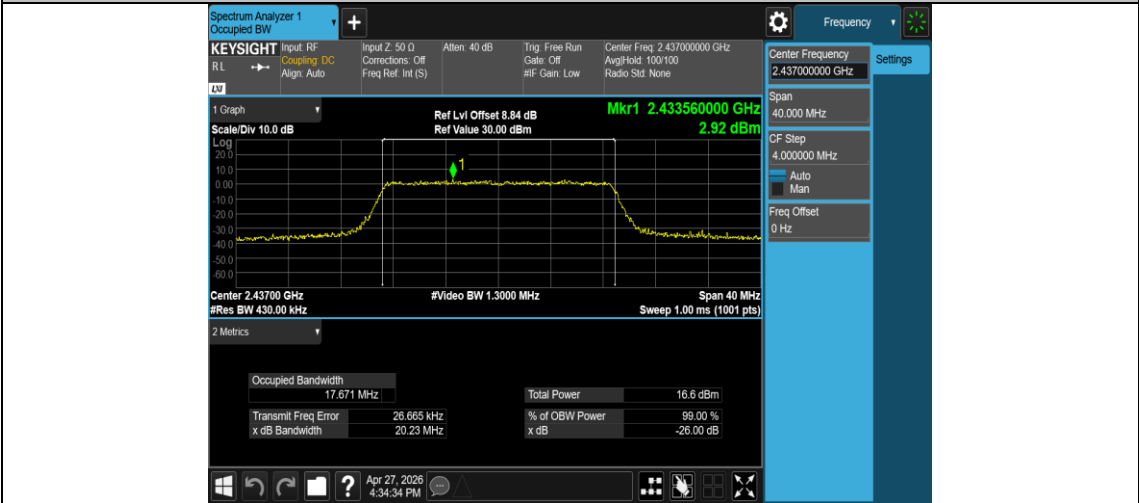
11G-Ant1-2437



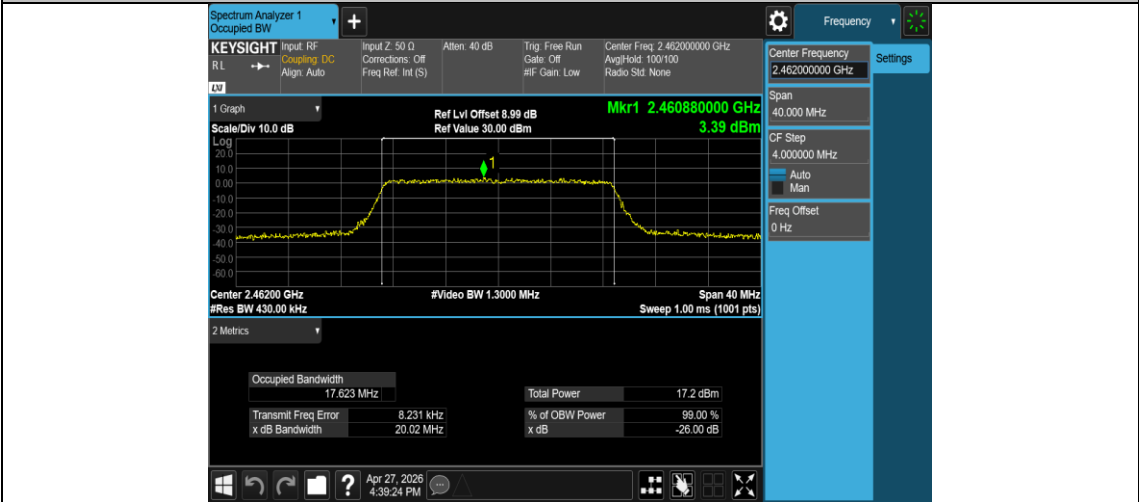
11G-Ant1-2462



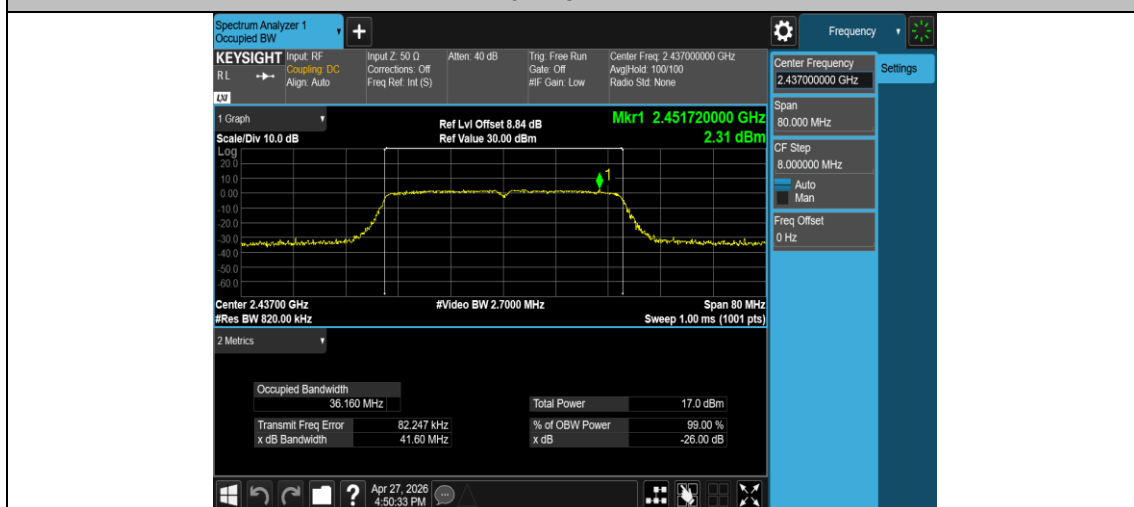
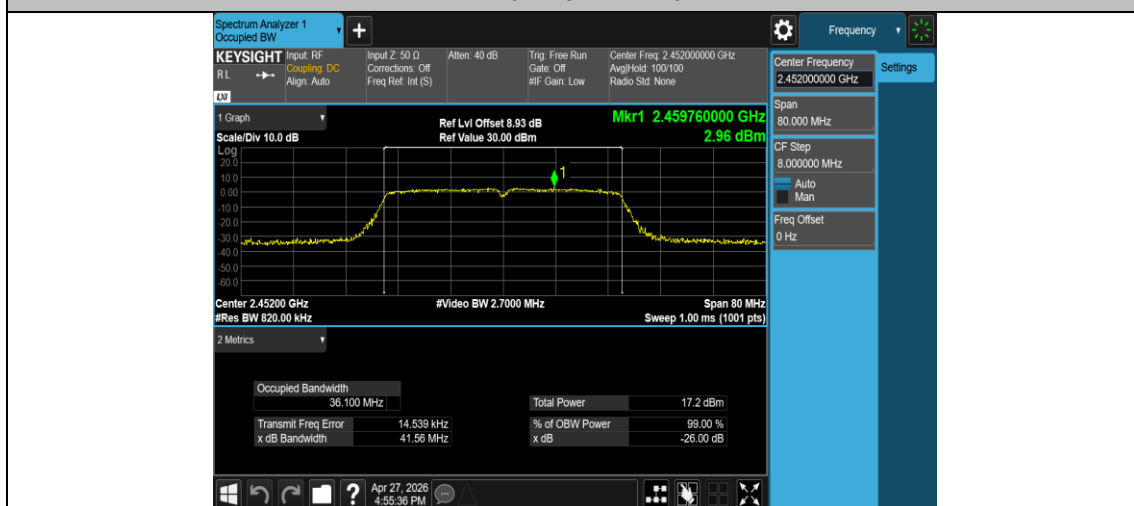
11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462


**11N40SISO-Ant1-2422**

**11N40SISO-Ant1-2437**

**11N40SISO-Ant1-2452**

## Appendix C: Maximum conducted output power

### Test Result Average

| Test Mode     | Antenna | Frequency [MHz] | Average power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Gain [dBi] | EIRP [dBm] | EIRP Limit [dBm] | Verdict |
|---------------|---------|-----------------|---------------------|----------------|-----------------|--------------|-------------|------------|------------|------------------|---------|
| 11B           | Ant1    | 2412            | 11.93               | 100.00         | 0.00            | 11.93        | ≤30         | 2.70       | 14.63      | ≤36.00           | PASS    |
| 11B           | Ant1    | 2437            | 13.40               | 100.00         | 0.00            | 13.40        | ≤30         | 2.70       | 16.1       | ≤36.00           | PASS    |
| 11B           | Ant1    | 2462            | 13.96               | 100.00         | 0.00            | 13.96        | ≤30         | 2.70       | 16.66      | ≤36.00           | PASS    |
| 11G           | Ant1    | 2412            | 12.45               | 99.46          | 0.02            | 12.47        | ≤30         | 2.70       | 15.15      | ≤36.00           | PASS    |
| 11G           | Ant1    | 2437            | 12.68               | 99.46          | 0.02            | 12.70        | ≤30         | 2.70       | 15.38      | ≤36.00           | PASS    |
| 11G           | Ant1    | 2462            | 12.67               | 99.64          | 0.02            | 12.69        | ≤30         | 2.70       | 15.37      | ≤36.00           | PASS    |
| 11N20SI<br>SO | Ant1    | 2412            | 10.25               | 99.41          | 0.03            | 10.28        | ≤30         | 2.70       | 12.95      | ≤36.00           | PASS    |
| 11N20SI<br>SO | Ant1    | 2437            | 10.49               | 99.41          | 0.03            | 10.52        | ≤30         | 2.70       | 13.19      | ≤36.00           | PASS    |
| 11N20SI<br>SO | Ant1    | 2462            | 11.02               | 99.41          | 0.03            | 11.05        | ≤30         | 2.70       | 13.72      | ≤36.00           | PASS    |
| 11N40SI<br>SO | Ant1    | 2422            | 9.97                | 98.32          | 0.07            | 10.04        | ≤30         | 2.70       | 12.67      | ≤36.00           | PASS    |
| 11N40SI<br>SO | Ant1    | 2437            | 10.02               | 98.80          | 0.05            | 10.07        | ≤30         | 2.70       | 12.72      | ≤36.00           | PASS    |
| 11N40SI<br>SO | Ant1    | 2452            | 10.22               | 98.80          | 0.05            | 10.27        | ≤30         | 2.70       | 12.92      | ≤36.00           | PASS    |

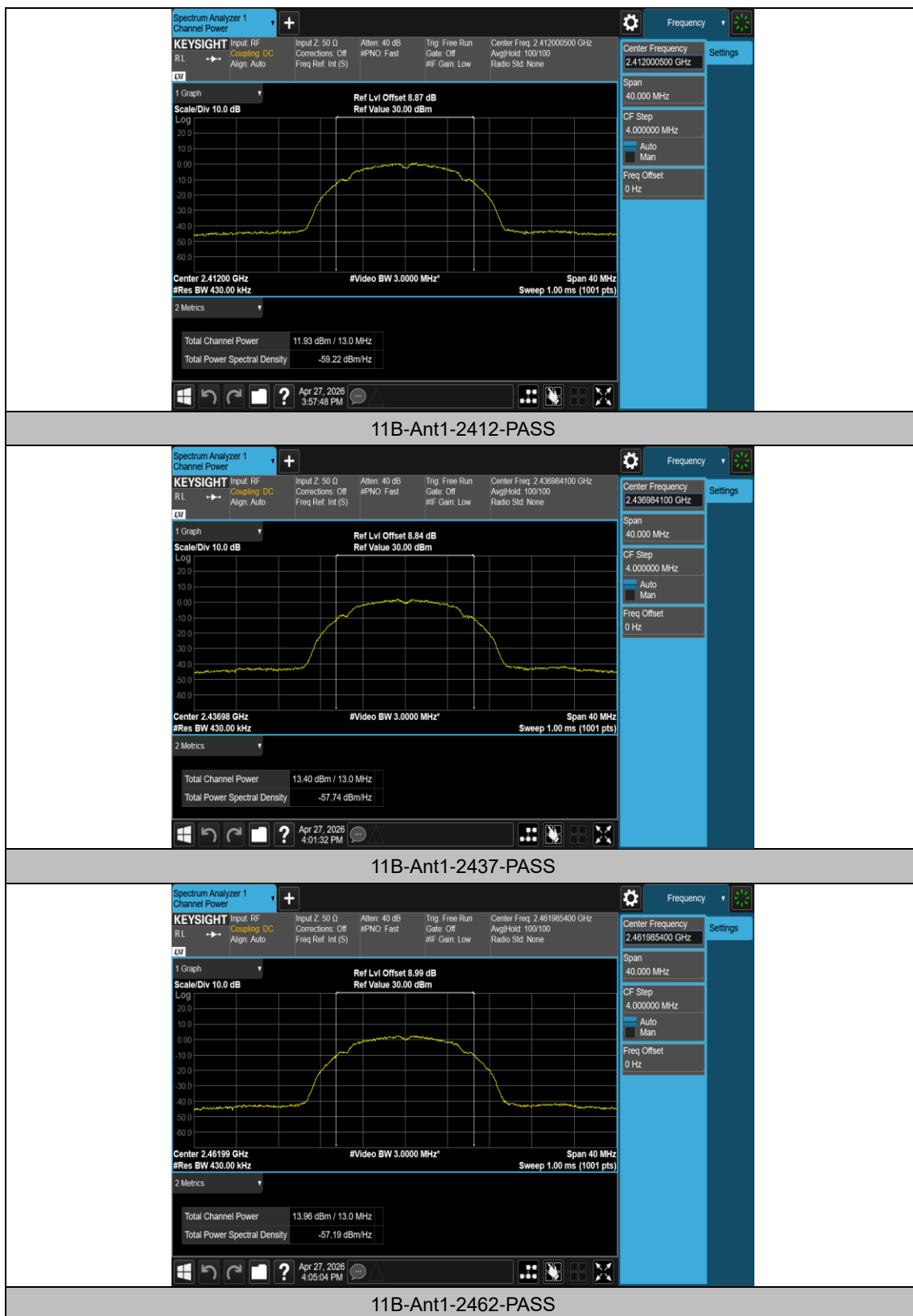
EIRP= Average power+ Antenna gain

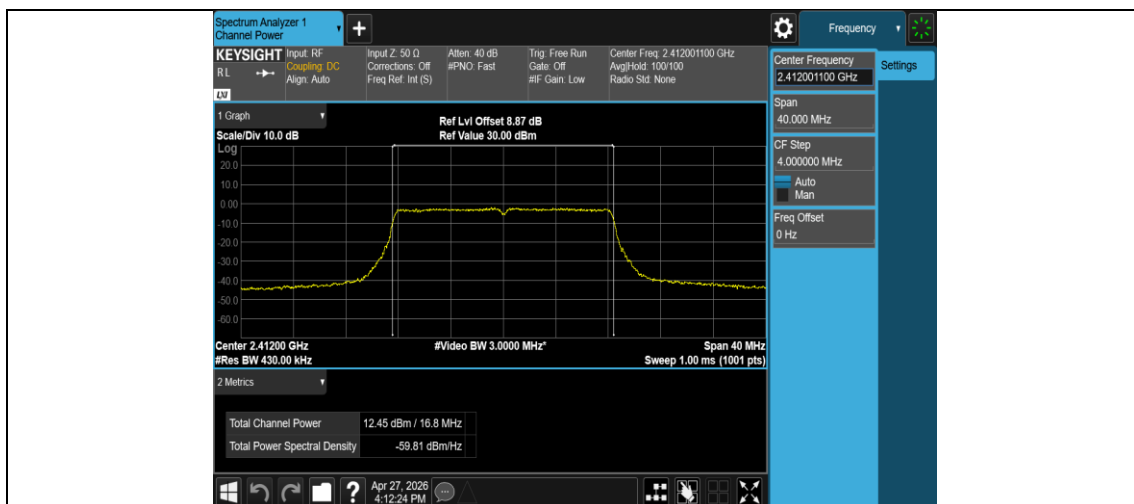
Antenna gain: 2.70 dBi

Result= DC Factor+ Average power

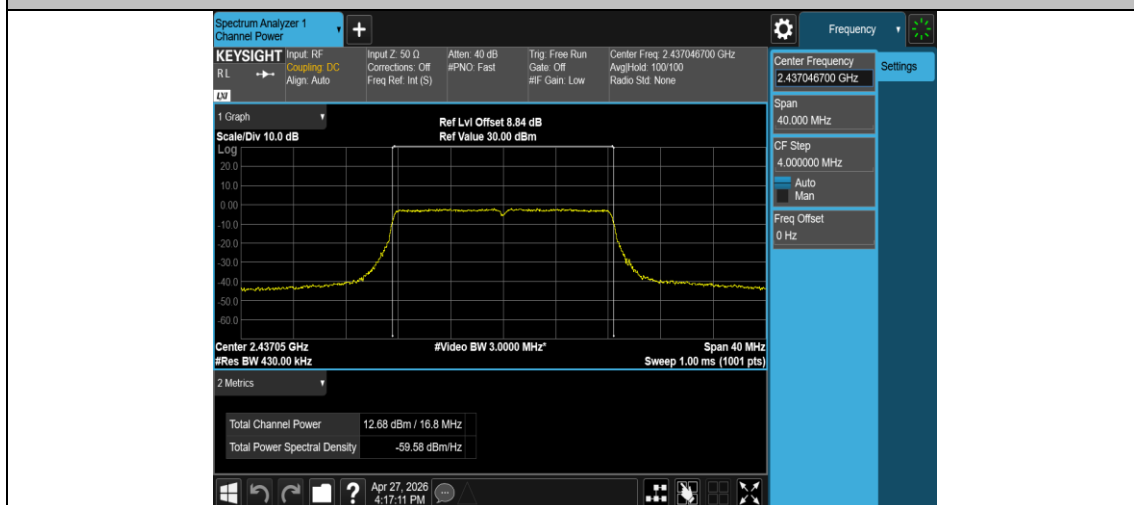
Detector: Average

## Test Graphs AVG

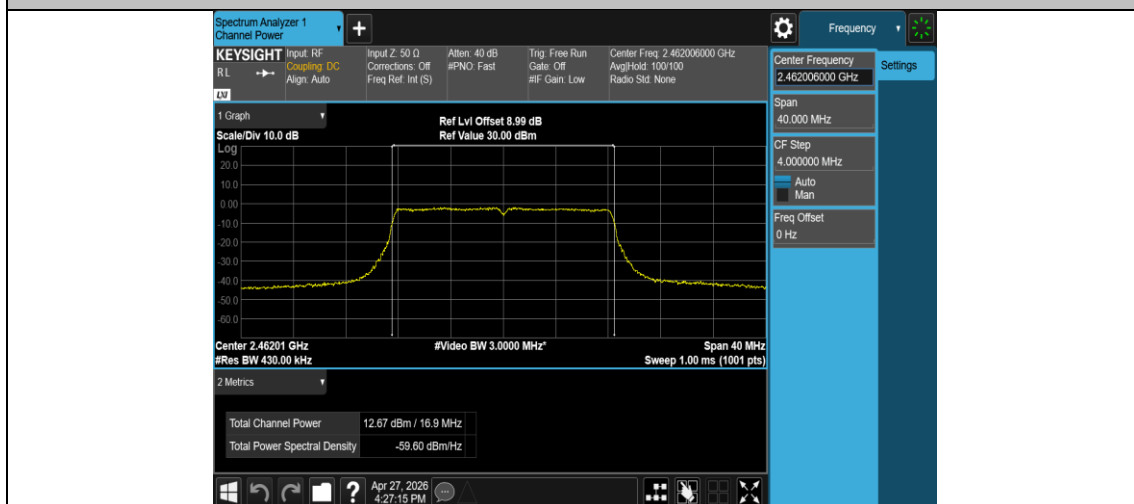




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS





## Appendix D: Maximum power spectral density

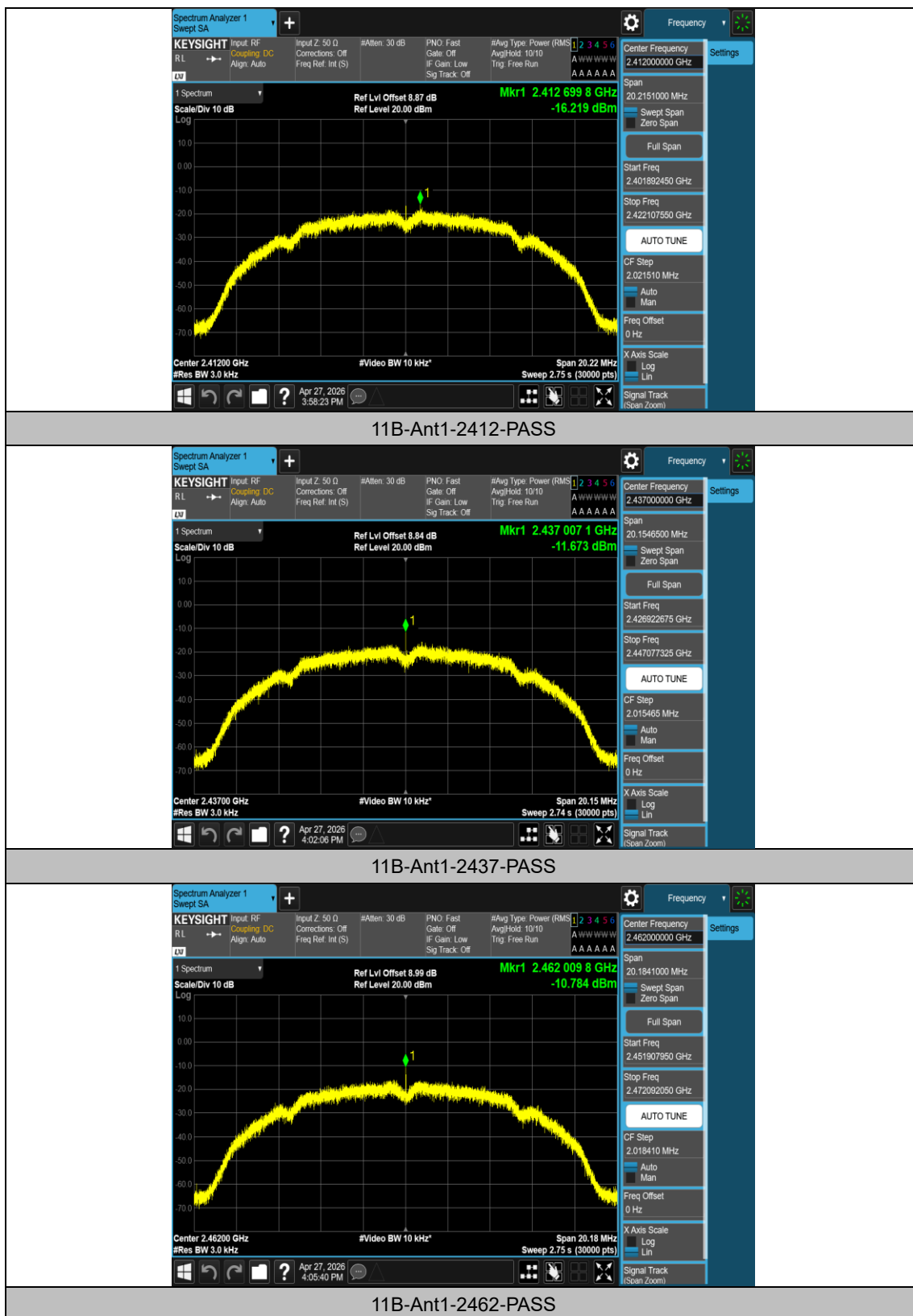
### Test Result

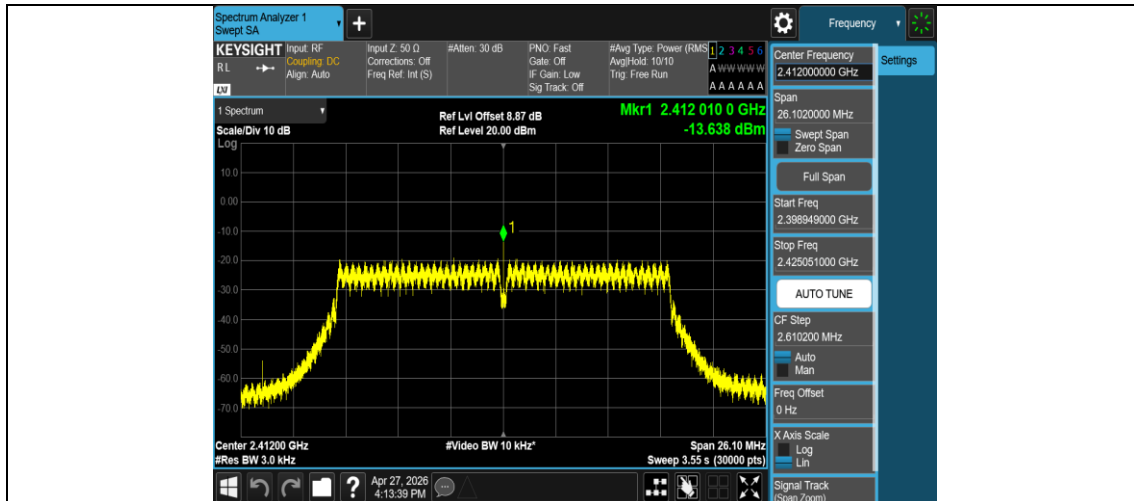
| TestMode  | Antenna | Frequency [MHz] | Average Result [dBm/3-100kHz] | Duty Cycle [%] | Factor | Result [dBm/3-100kHz] | Limit [dBm/3 kHz] | Verdict |
|-----------|---------|-----------------|-------------------------------|----------------|--------|-----------------------|-------------------|---------|
| 11B       | Ant1    | 2412            | -16.22                        | 100.00         | 0.00   | -16.22                | ≤8.00             | PASS    |
| 11B       | Ant1    | 2437            | -11.67                        | 100.00         | 0.00   | -11.67                | ≤8.00             | PASS    |
| 11B       | Ant1    | 2462            | -10.78                        | 100.00         | 0.00   | -10.78                | ≤8.00             | PASS    |
| 11G       | Ant1    | 2412            | -13.62                        | 99.46          | 0.02   | -13.6                 | ≤8.00             | PASS    |
| 11G       | Ant1    | 2437            | -12.74                        | 99.46          | 0.02   | -12.72                | ≤8.00             | PASS    |
| 11G       | Ant1    | 2462            | -12.62                        | 99.64          | 0.02   | -12.6                 | ≤8.00             | PASS    |
| 11N20SISO | Ant1    | 2412            | -17.18                        | 99.41          | 0.03   | -17.15                | ≤8.00             | PASS    |
| 11N20SISO | Ant1    | 2437            | -17.21                        | 99.41          | 0.03   | -17.18                | ≤8.00             | PASS    |
| 11N20SISO | Ant1    | 2462            | -16.46                        | 99.41          | 0.03   | -16.43                | ≤8.00             | PASS    |
| 11N40SISO | Ant1    | 2422            | -17.23                        | 99.20          | 0.03   | -17.2                 | ≤8.00             | PASS    |
| 11N40SISO | Ant1    | 2437            | -17.56                        | 98.80          | 0.05   | -17.51                | ≤8.00             | PASS    |
| 11N40SISO | Ant1    | 2452            | -16.92                        | 98.80          | 0.05   | -16.87                | ≤8.00             | PASS    |

Result=Average Result+Factor

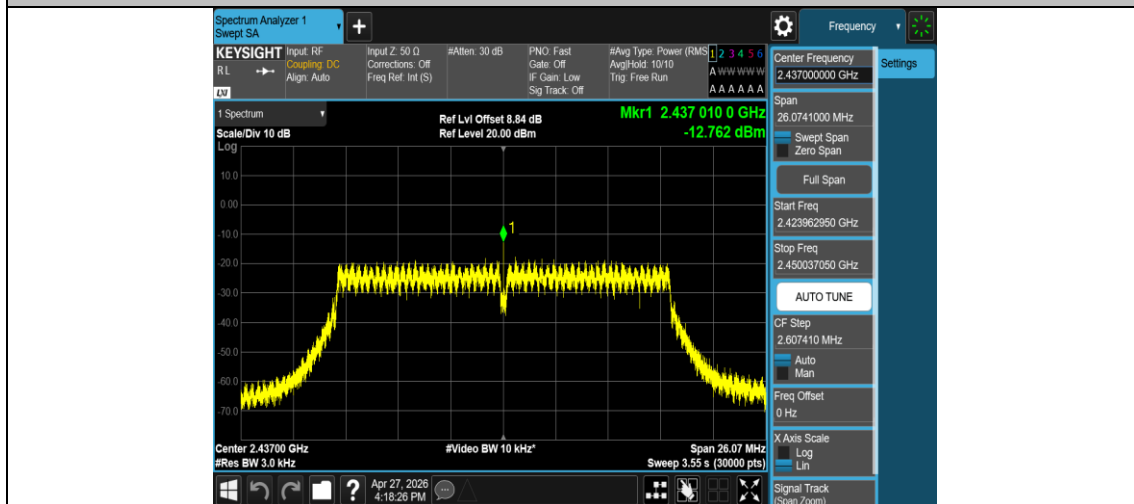
Detector: Average

## Test Graphs

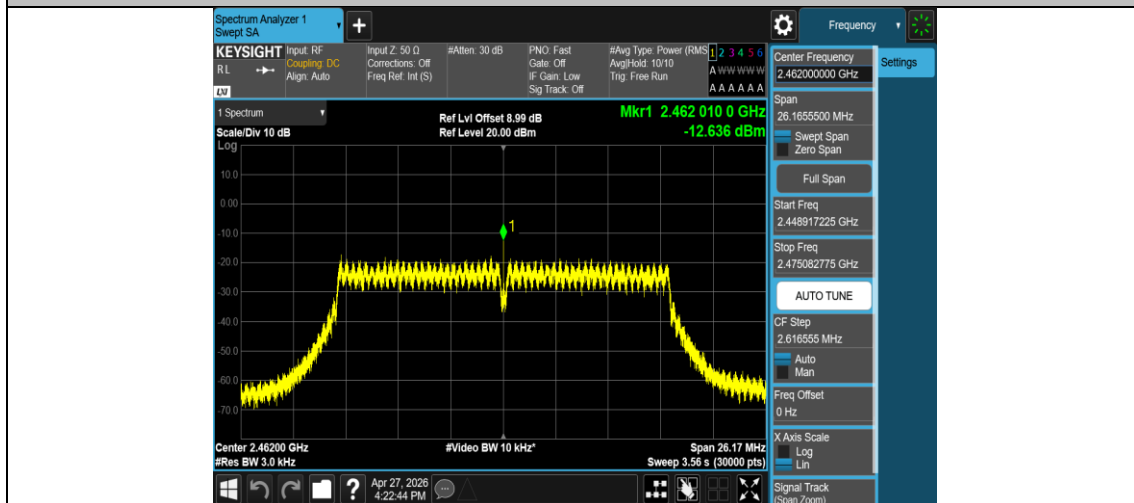




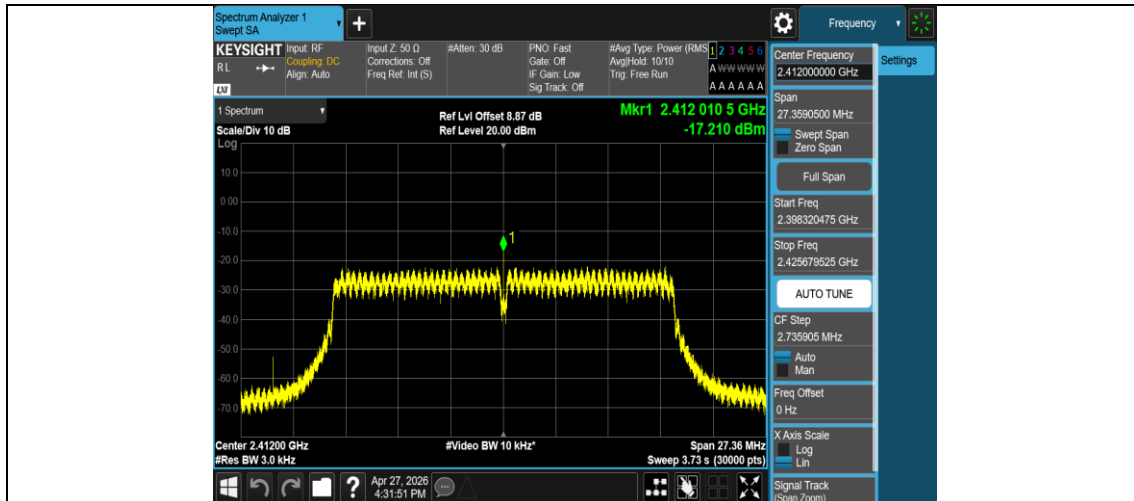
11G-Ant1-2412-PASS



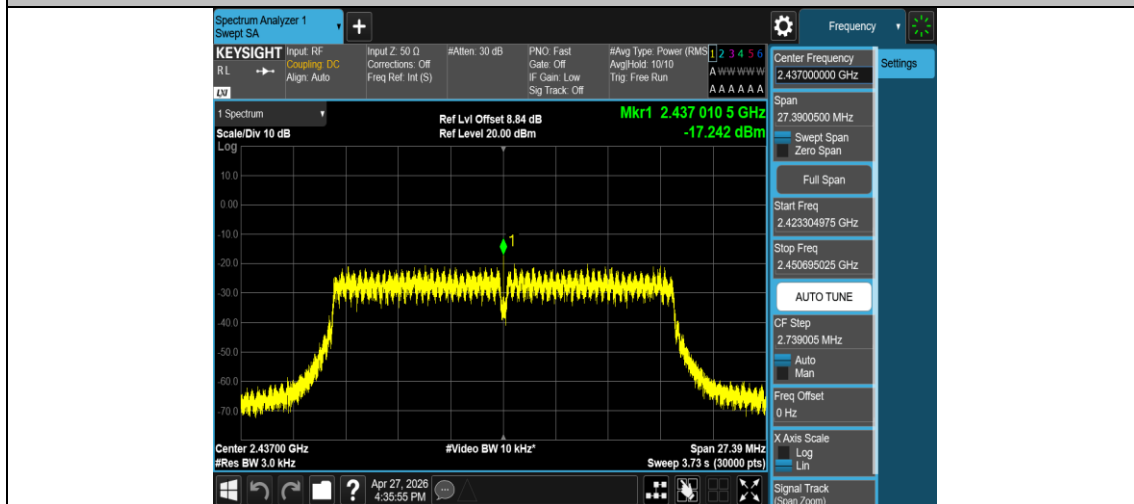
11G-Ant1-2437-PASS



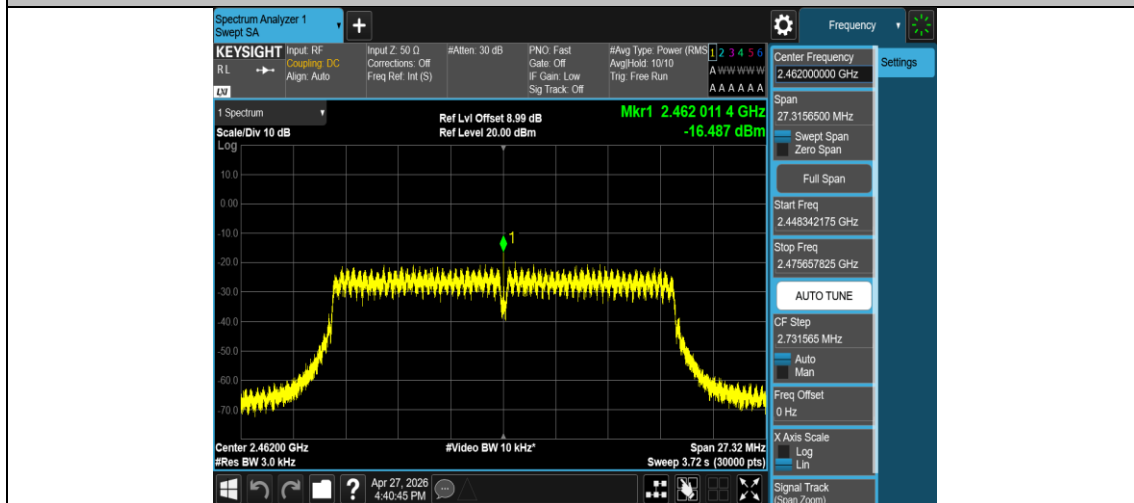
11G-Ant1-2462-PASS



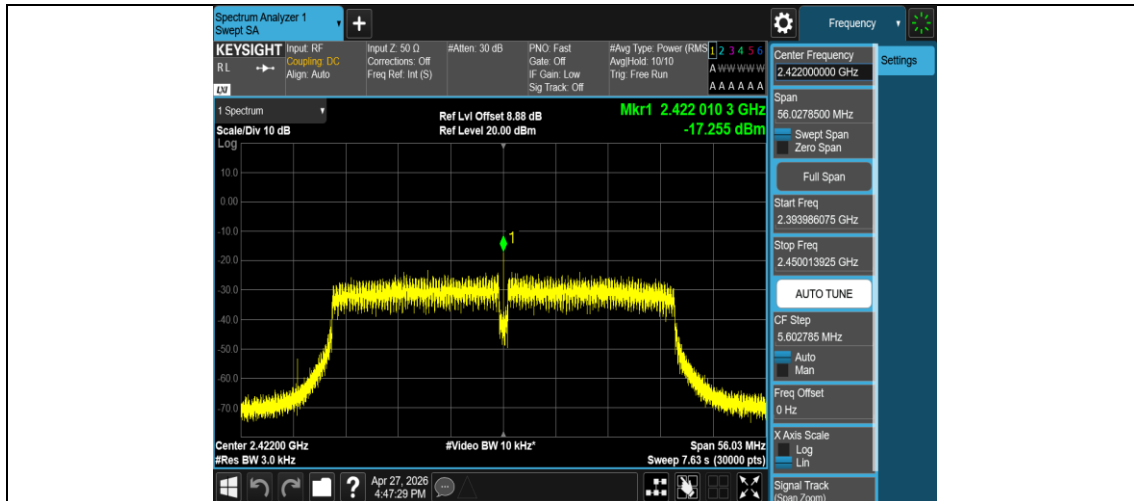
11N20SISO-Ant1-2412-PASS



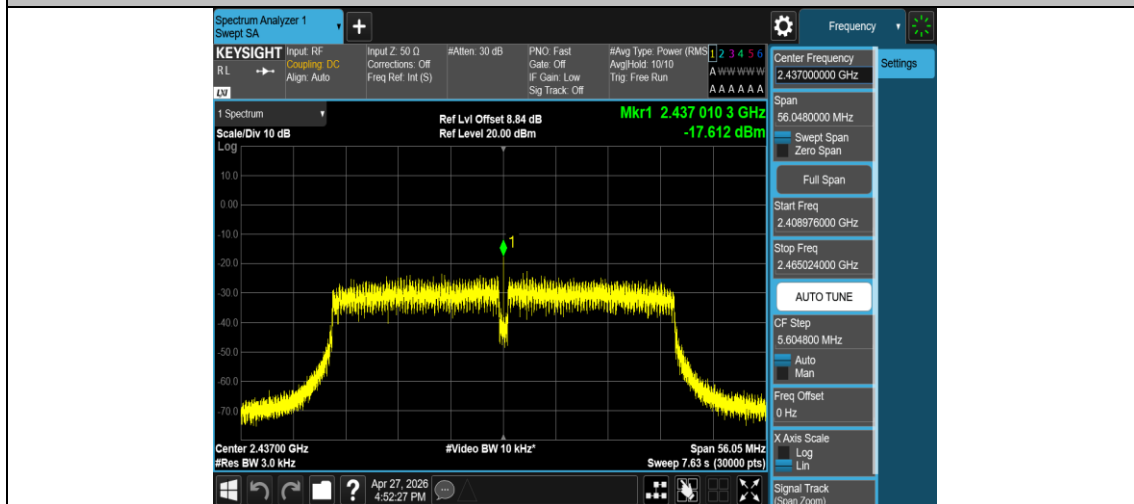
11N20SISO-Ant1-2437-PASS



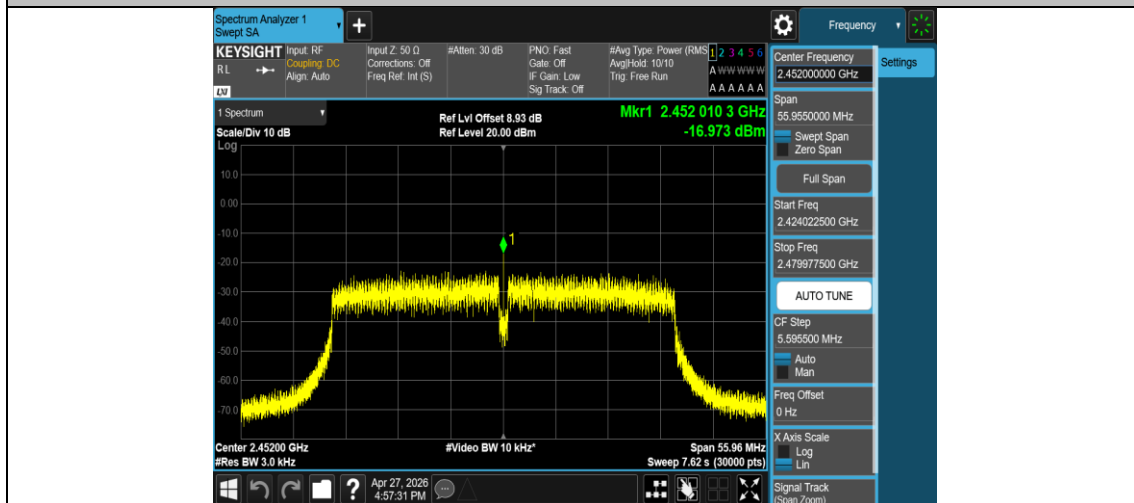
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



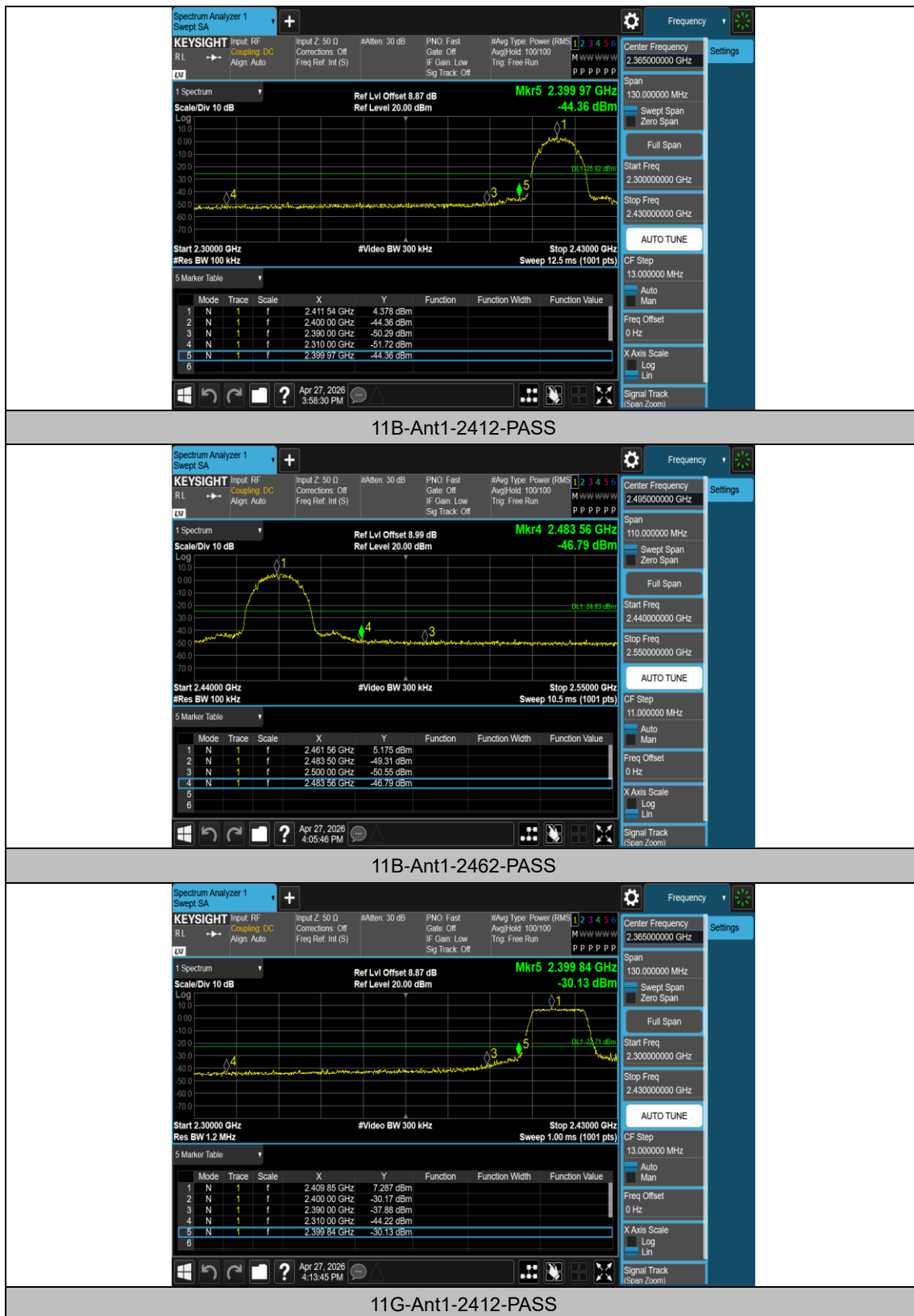
11N40SISO-Ant1-2452-PASS

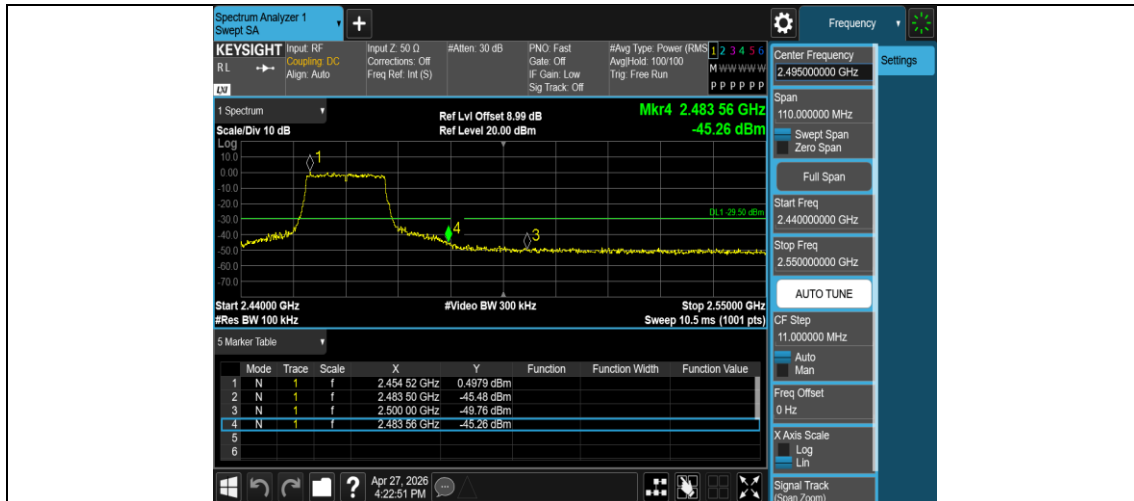
## Appendix E: Band edge measurements

### Test Result

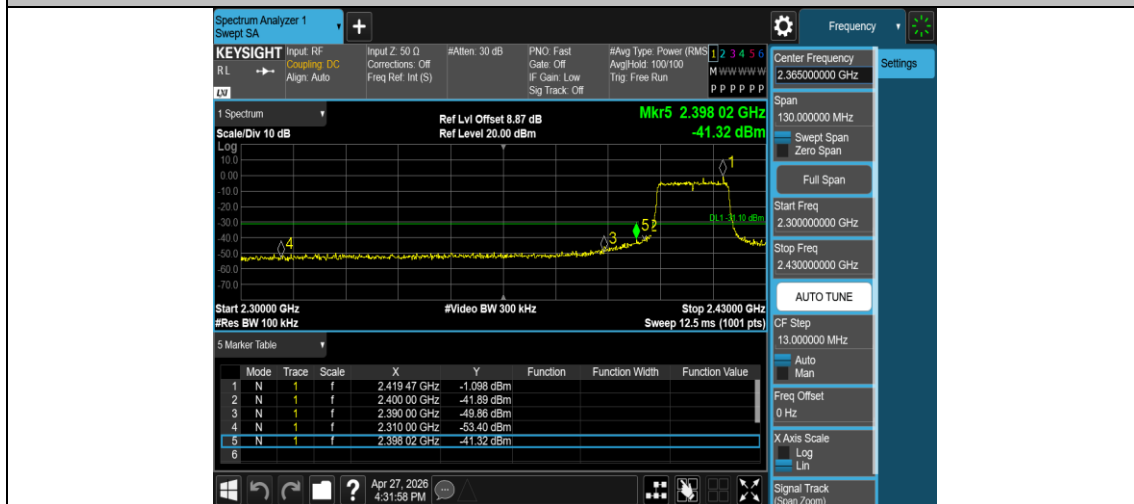
| TestMode  | Antenna | ChName | Frequency<br>[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|--------------------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412               | 4.38          | -44.36      | ≤-25.62    | PASS    |
| 11B       | Ant1    | High   | 2462               | 5.18          | -46.79      | ≤-24.83    | PASS    |
| 11G       | Ant1    | Low    | 2412               | 7.29          | -30.13      | ≤-22.71    | PASS    |
| 11G       | Ant1    | High   | 2462               | 0.50          | -45.26      | ≤-29.5     | PASS    |
| 11N20SISO | Ant1    | Low    | 2412               | -1.10         | -41.32      | ≤-31.1     | PASS    |
| 11N20SISO | Ant1    | High   | 2462               | -0.98         | -46.44      | ≤-30.98    | PASS    |
| 11N40SISO | Ant1    | Low    | 2422               | -4.31         | -40.87      | ≤-34.31    | PASS    |
| 11N40SISO | Ant1    | High   | 2452               | -4.42         | -42.58      | ≤-34.42    | PASS    |

## Test Graphs

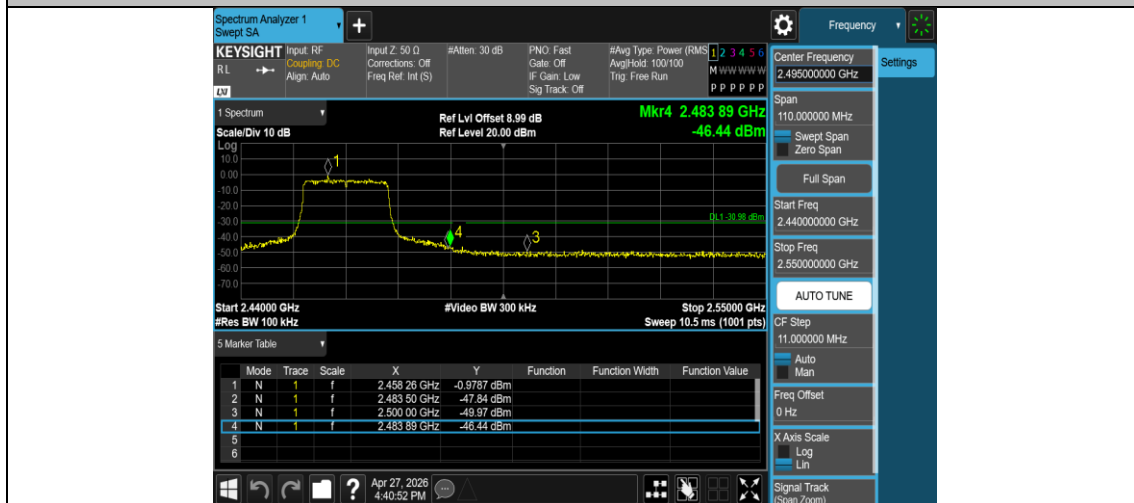




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

