

## Appendix A: DTS Bandwidth

### Test Result

| TestMode  | Antenna | Channel | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412    | 9.066           | 2407.461 | 2416.527 | 0.5        | PASS    |
|           |         | 2437    | 8.540           | 2432.501 | 2441.041 | 0.5        | PASS    |
|           |         | 2462    | 8.568           | 2457.477 | 2466.045 | 0.5        | PASS    |
| 11G       | Ant1    | 2412    | 16.367          | 2403.819 | 2420.185 | 0.5        | PASS    |
|           |         | 2437    | 16.377          | 2428.825 | 2445.201 | 0.5        | PASS    |
|           |         | 2462    | 16.349          | 2453.827 | 2470.175 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412    | 17.569          | 2403.227 | 2420.795 | 0.5        | PASS    |
|           |         | 2437    | 17.567          | 2428.225 | 2445.791 | 0.5        | PASS    |
|           |         | 2462    | 17.565          | 2453.213 | 2470.777 | 0.5        | PASS    |

## Test Graphs



11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462



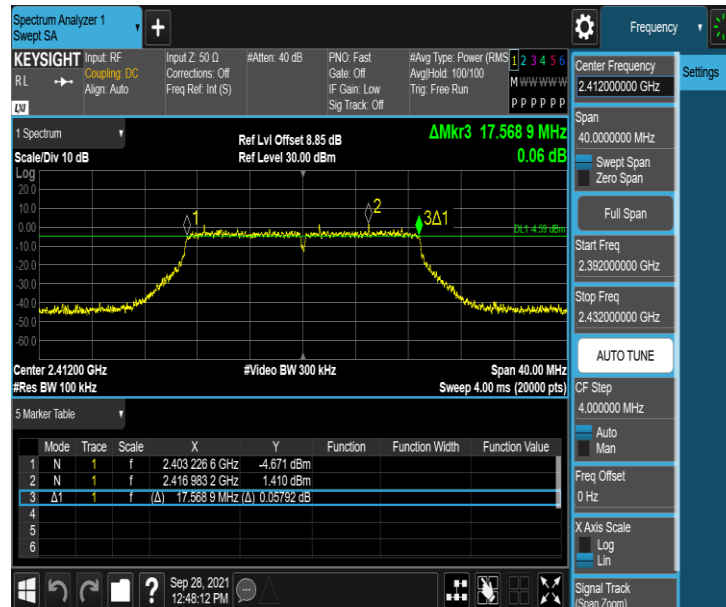
11G\_Ant1\_2412



11G\_Ant1\_2437



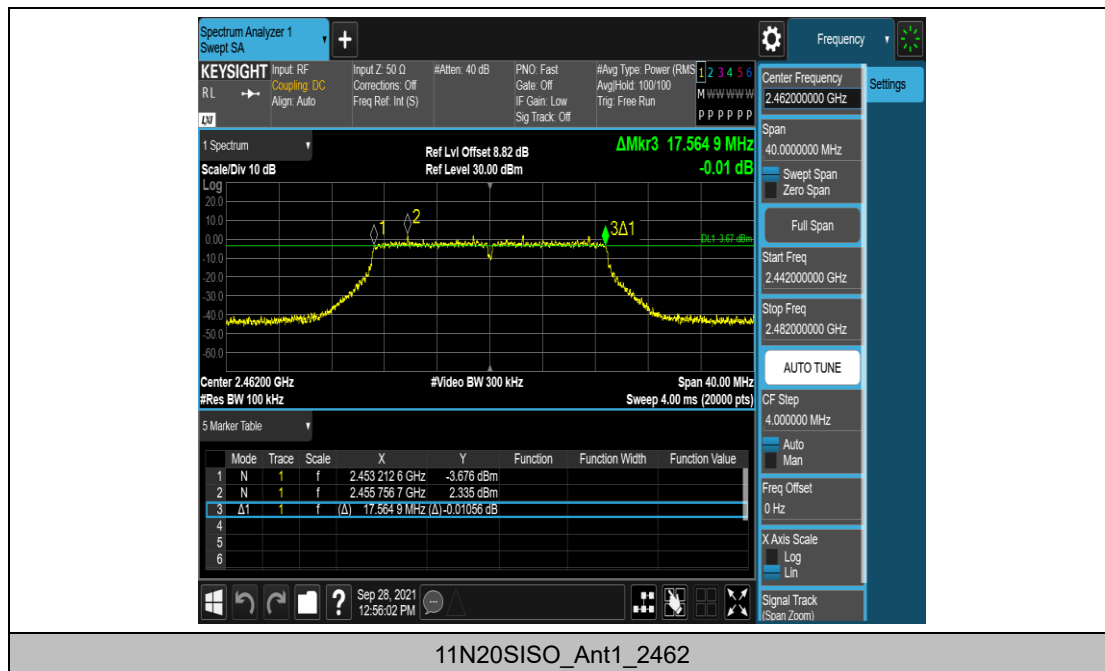
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



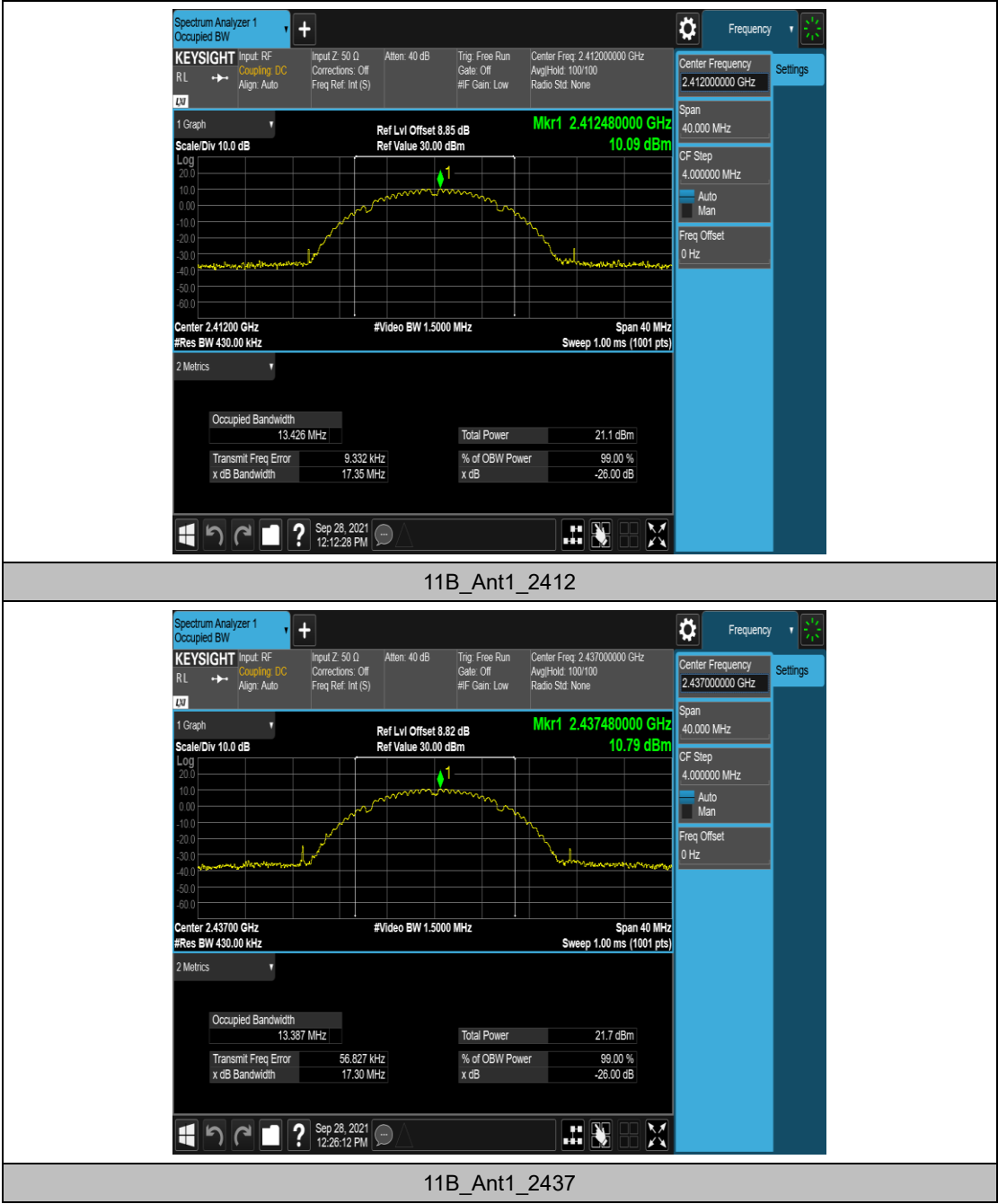
11N20SISO\_Ant1\_2462

## Appendix B: Occupied Channel Bandwidth

### Test Result

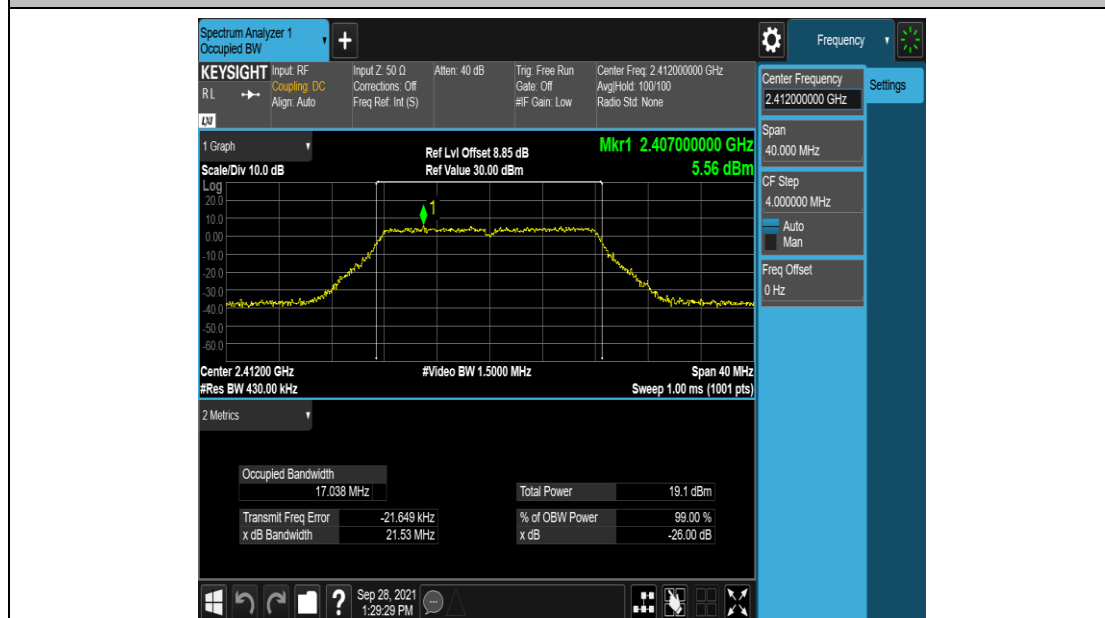
| TestMode  | Antenna | Channel | OCB [MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|------------|---------|
| 11B       | Ant1    | 2412    | 13.426    | ---        | PASS    |
|           |         | 2437    | 13.387    | ---        | PASS    |
|           |         | 2462    | 13.419    | ---        | PASS    |
| 11G       | Ant1    | 2412    | 17.038    | ---        | PASS    |
|           |         | 2437    | 17.044    | ---        | PASS    |
|           |         | 2462    | 17.002    | ---        | PASS    |
| 11N20SISO | Ant1    | 2412    | 18.070    | ---        | PASS    |
|           |         | 2437    | 18.103    | ---        | PASS    |
|           |         | 2462    | 17.954    | ---        | PASS    |

Test Graphs

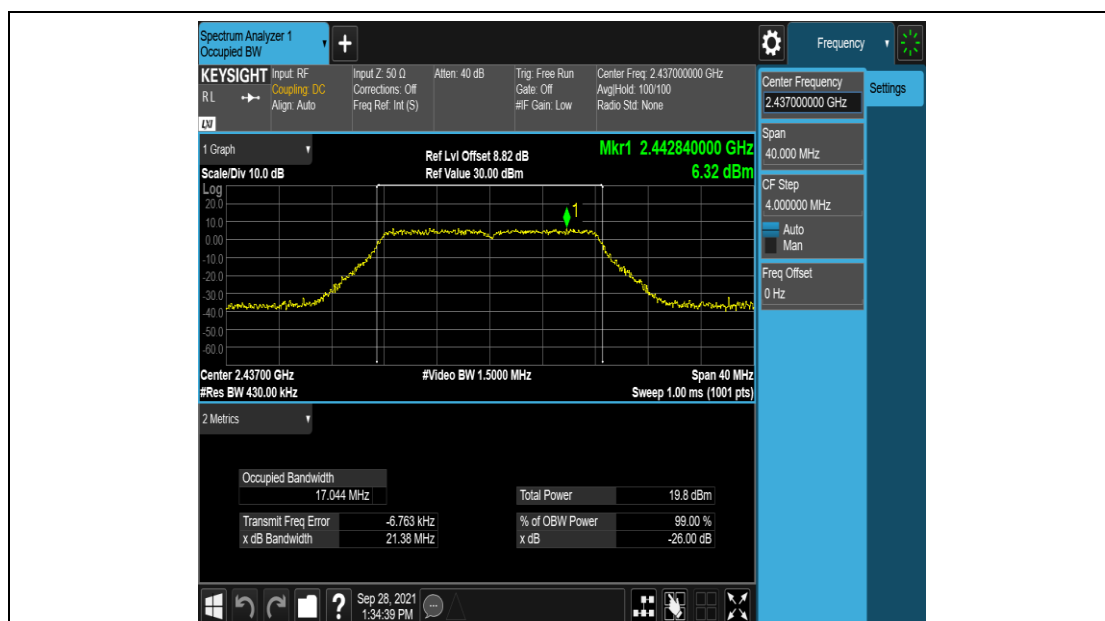




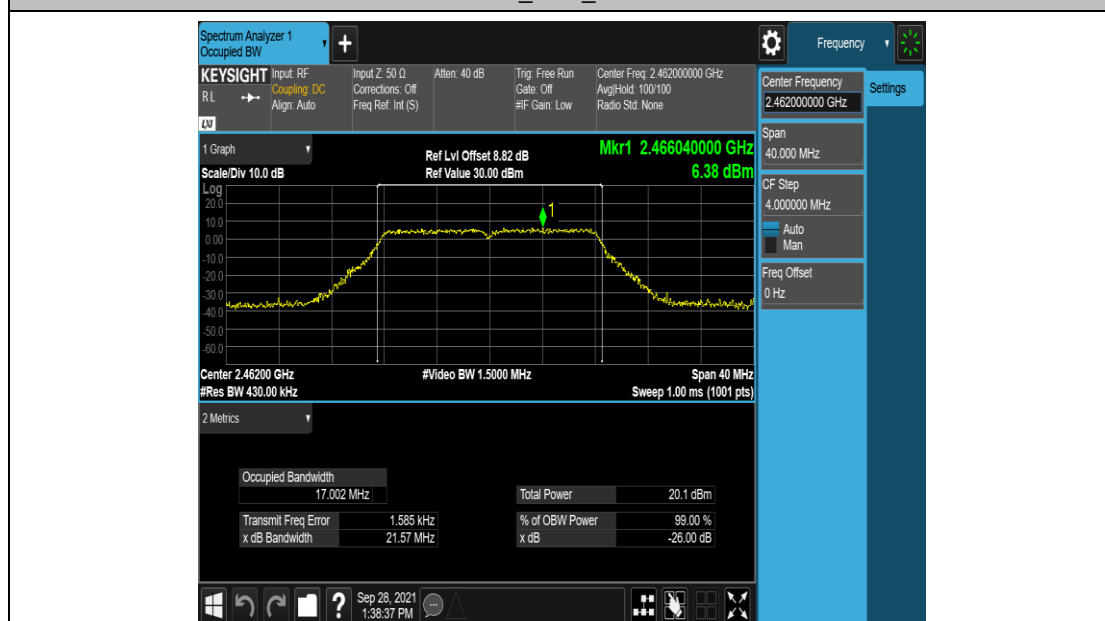
11B\_Ant1\_2462



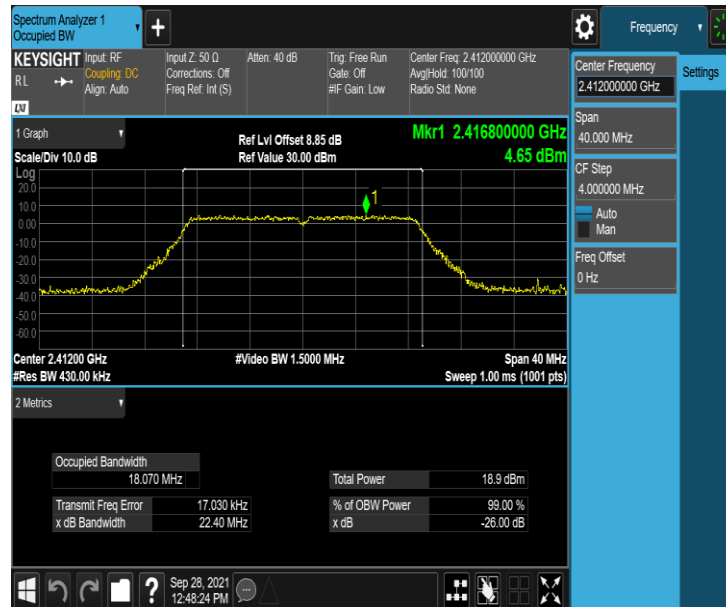
11G\_Ant1\_2412



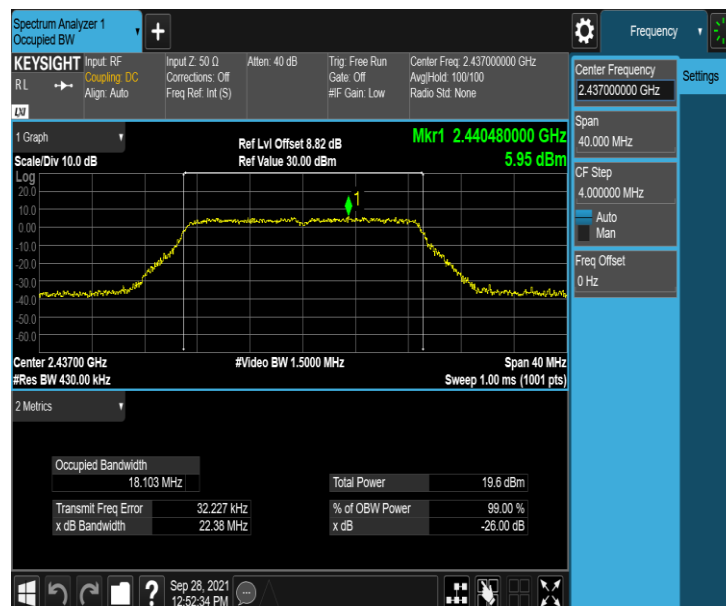
11G\_Ant1\_2437



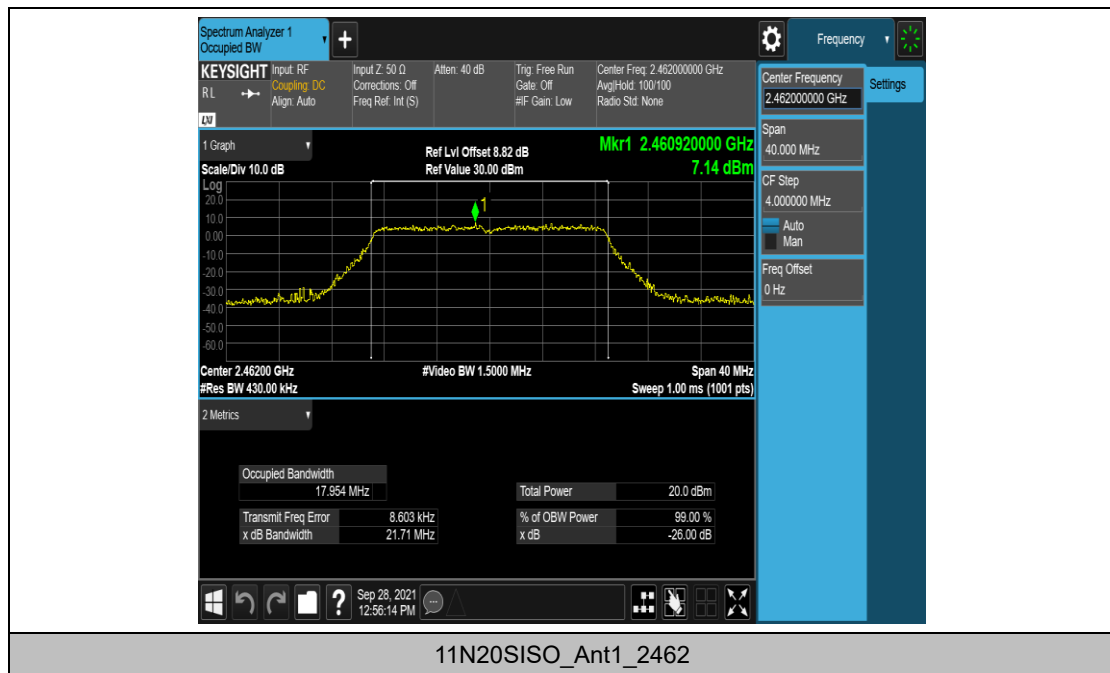
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



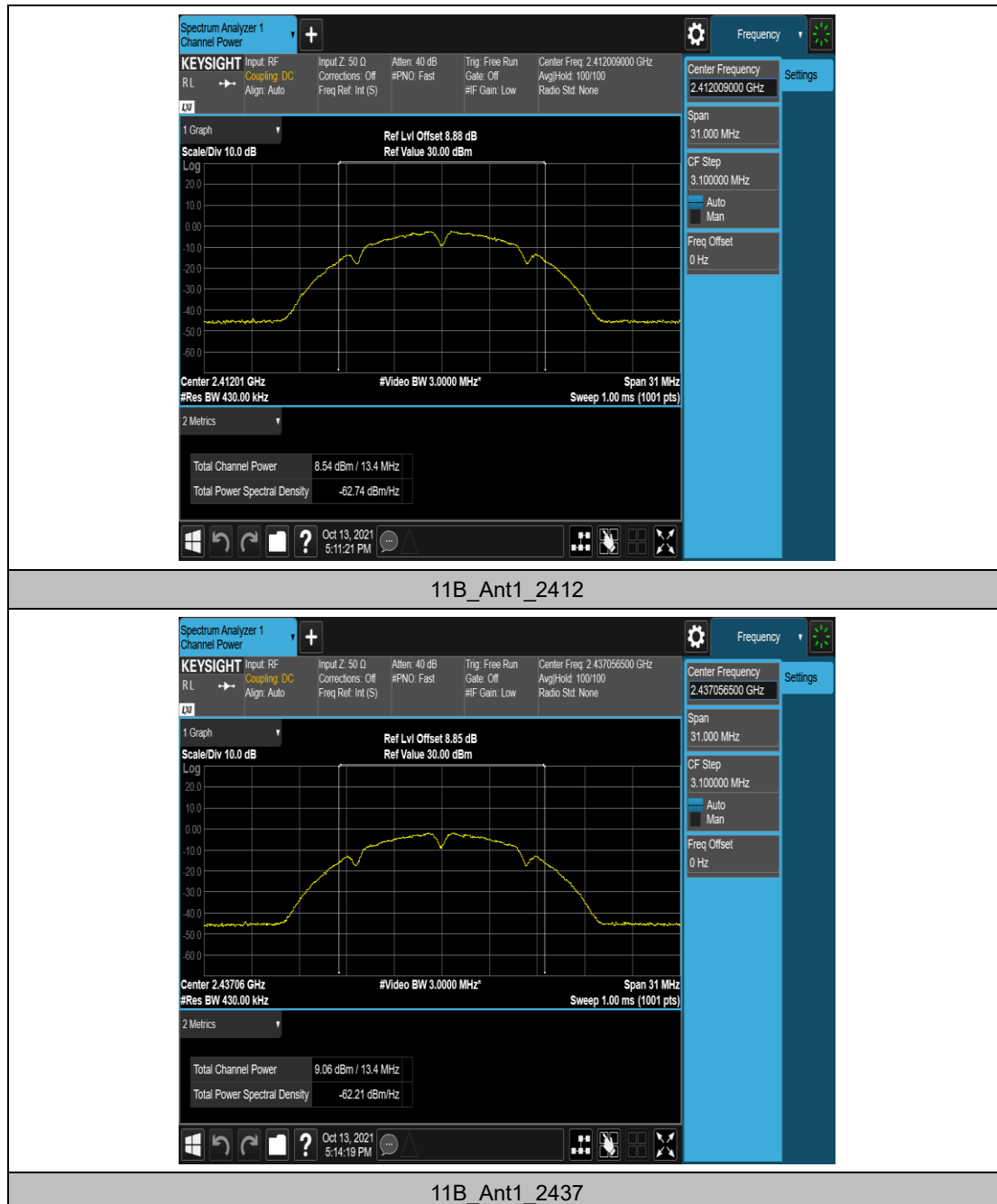
## Appendix C: Maximum conducted output power

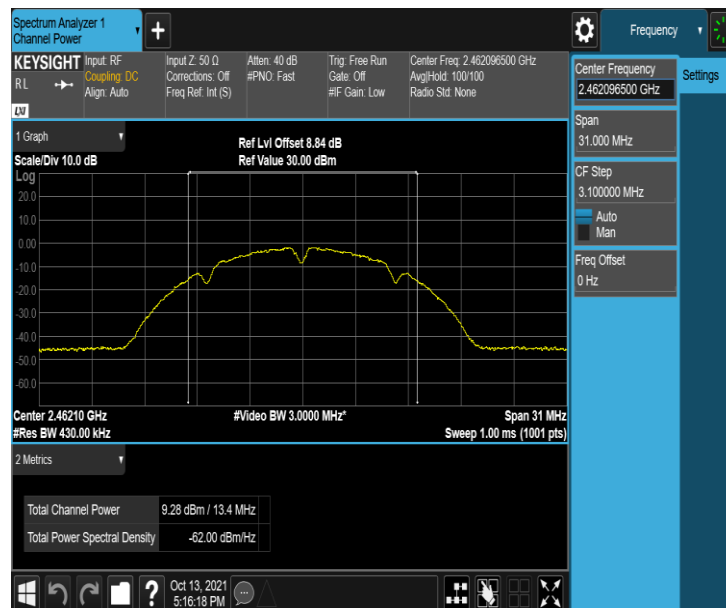
### Test Result

| TestMode  | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| 11B       | Ant1    | 2412    | 8.54        | ≤30        | PASS    |
|           |         | 2437    | 9.06        | ≤30        | PASS    |
|           |         | 2462    | 9.28        | ≤30        | PASS    |
| 11G       | Ant1    | 2412    | 11.02       | ≤30        | PASS    |
|           |         | 2437    | 12.19       | ≤30        | PASS    |
|           |         | 2462    | 12.34       | ≤30        | PASS    |
| 11N20SISO | Ant1    | 2412    | 11.38       | ≤30        | PASS    |
|           |         | 2437    | 11.94       | ≤30        | PASS    |
|           |         | 2462    | 12.28       | ≤30        | PASS    |

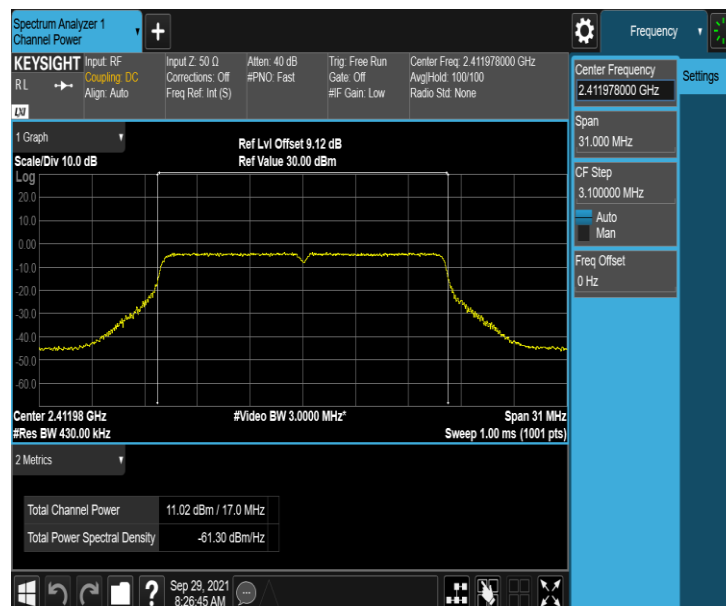
| TestMode  | Antenna | Channel | e.i.r.p Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|---------------------|------------|---------|
| 11B       | Ant1    | 2412    | 13.04               | ≤36        | PASS    |
|           |         | 2437    | 13.56               | ≤36        | PASS    |
|           |         | 2462    | 13.78               | ≤36        | PASS    |
| 11G       | Ant1    | 2412    | 15.52               | ≤36        | PASS    |
|           |         | 2437    | 16.69               | ≤36        | PASS    |
|           |         | 2462    | 16.84               | ≤36        | PASS    |
| 11N20SISO | Ant1    | 2412    | 15.88               | ≤36        | PASS    |
|           |         | 2437    | 16.44               | ≤36        | PASS    |
|           |         | 2462    | 16.78               | ≤36        | PASS    |

## Test Graphs

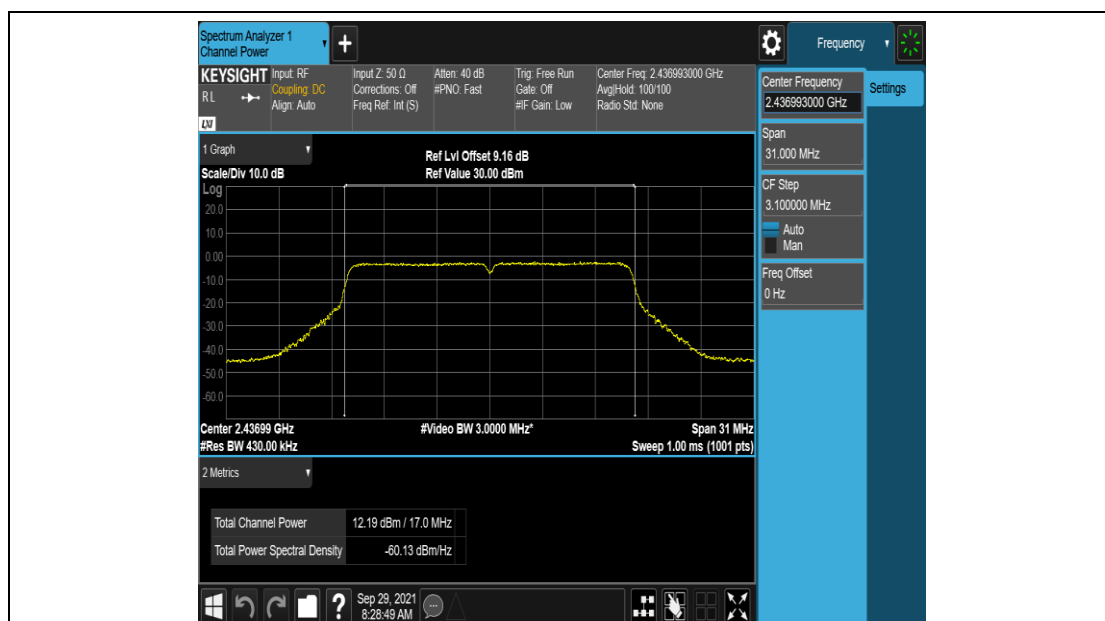




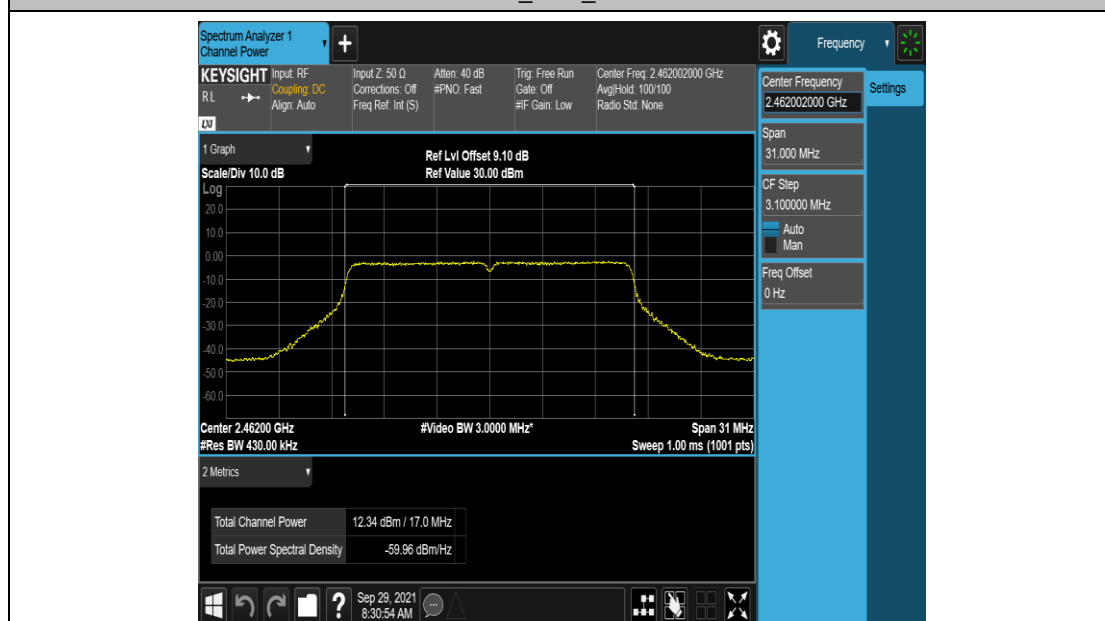
11B\_Ant1\_2462



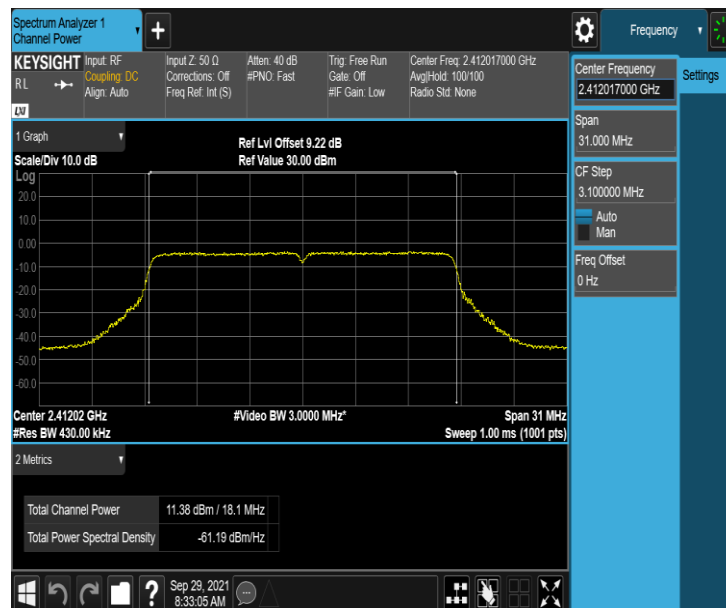
11G\_Ant1\_2412



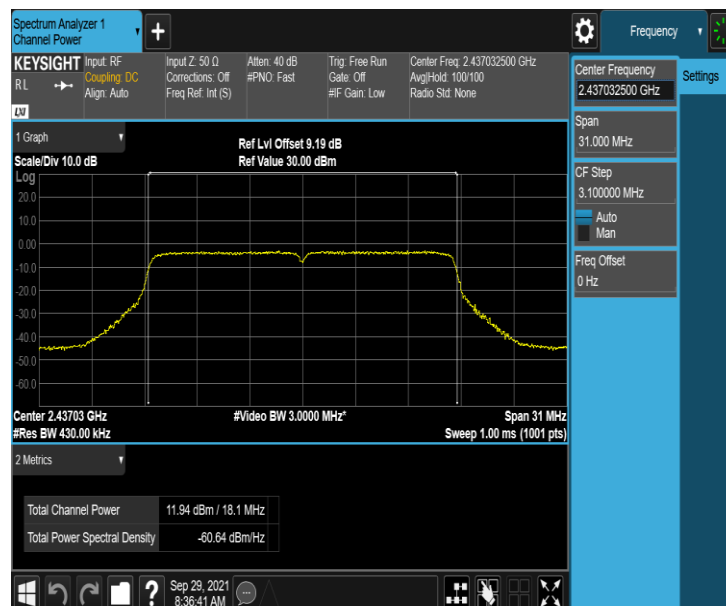
11G\_Ant1\_2437



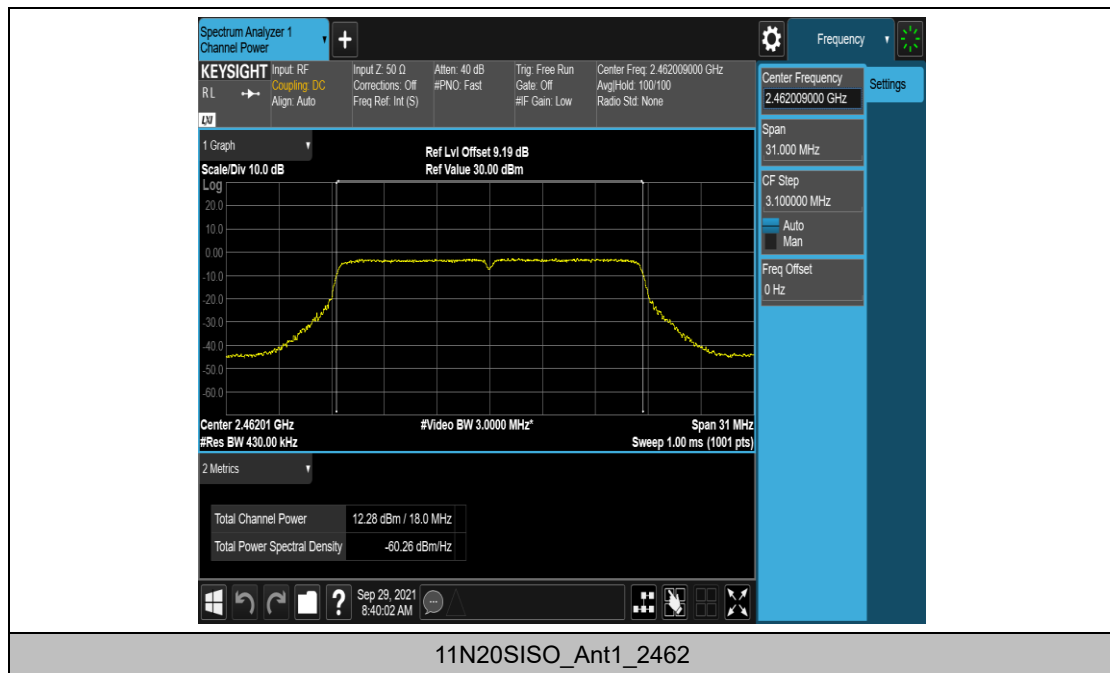
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437

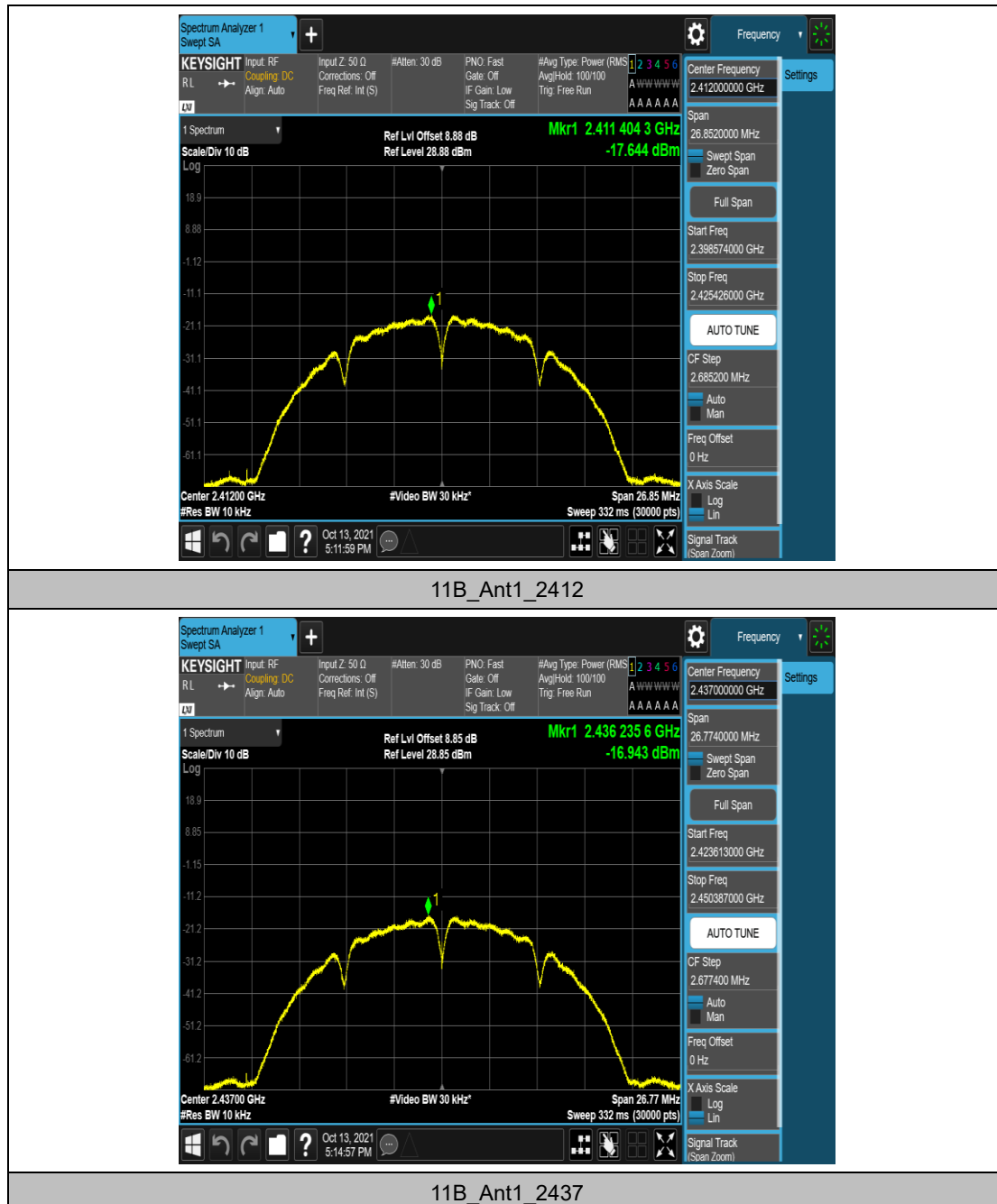


## Appendix D: Maximum power spectral density

### Test Result

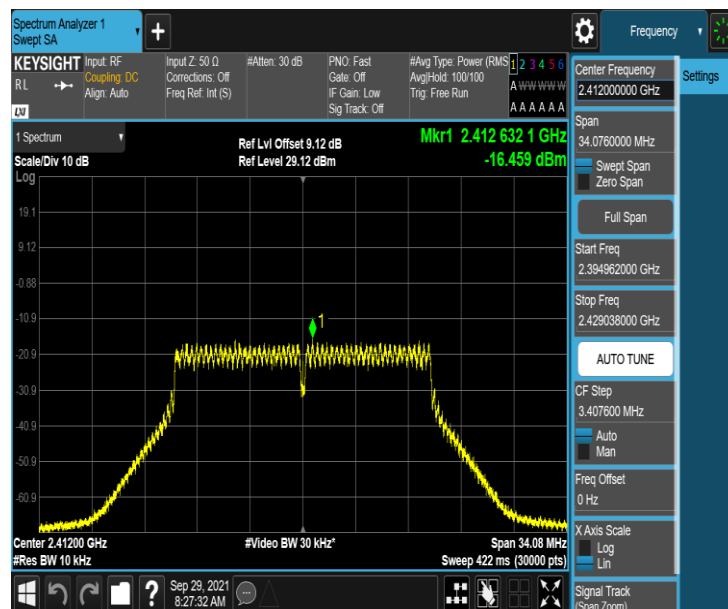
| TestMode  | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412    | -17.64               | ≤8              | PASS    |
|           |         | 2437    | -16.94               | ≤8              | PASS    |
|           |         | 2462    | -17                  | ≤8              | PASS    |
| 11G       | Ant1    | 2412    | -16.46               | ≤8              | PASS    |
|           |         | 2437    | -16.03               | ≤8              | PASS    |
|           |         | 2462    | -15.03               | ≤8              | PASS    |
| 11N20SISO | Ant1    | 2412    | -16.73               | ≤8              | PASS    |
|           |         | 2437    | -16.17               | ≤8              | PASS    |
|           |         | 2462    | -15.77               | ≤8              | PASS    |

## Test Graphs

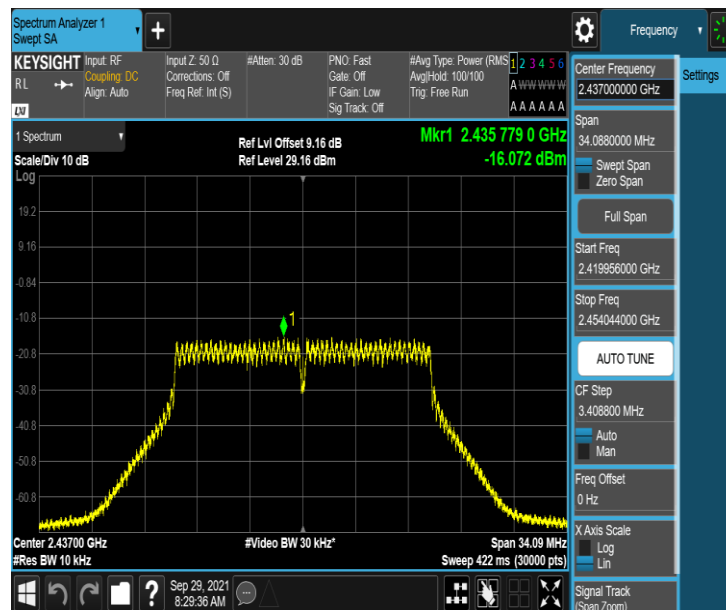




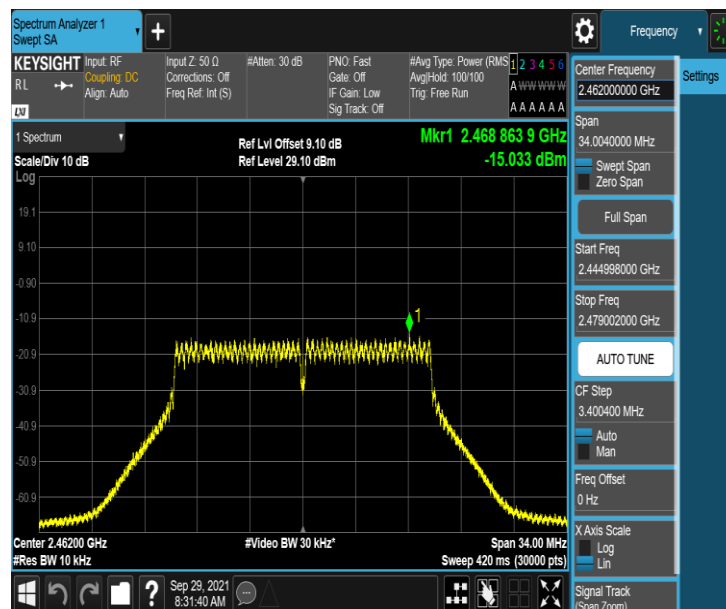
11B\_Ant1\_2462



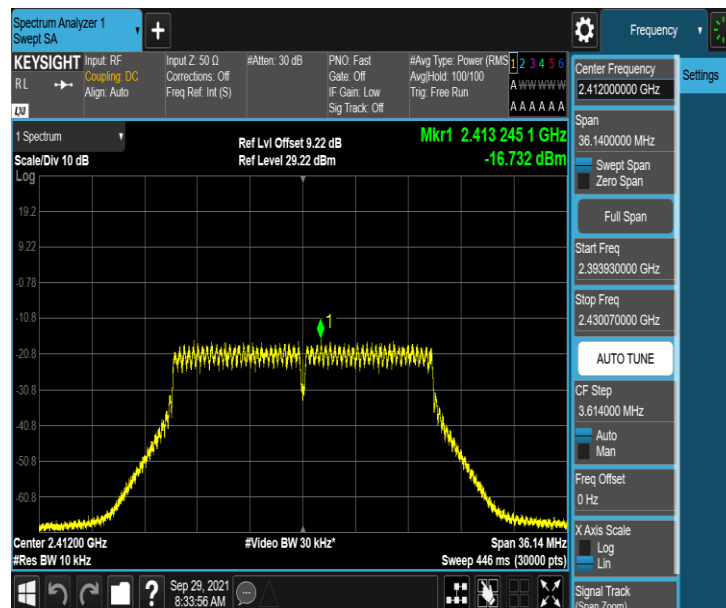
11G\_Ant1\_2412



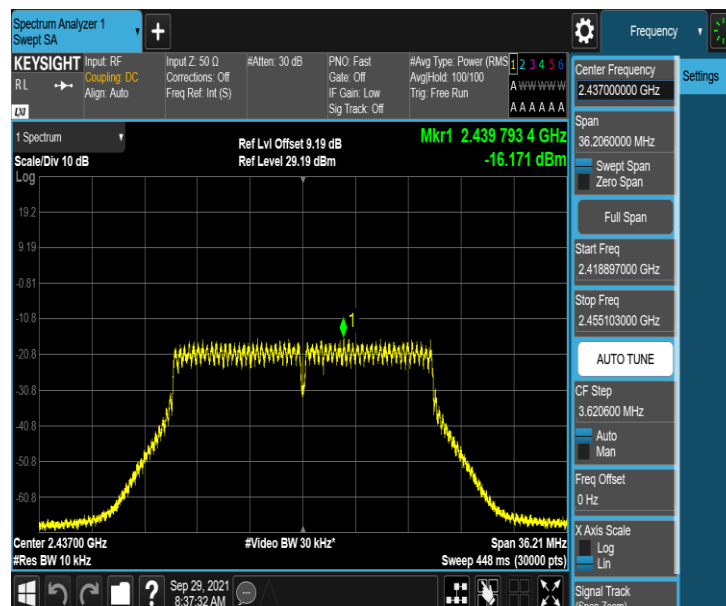
11G\_Ant1\_2437



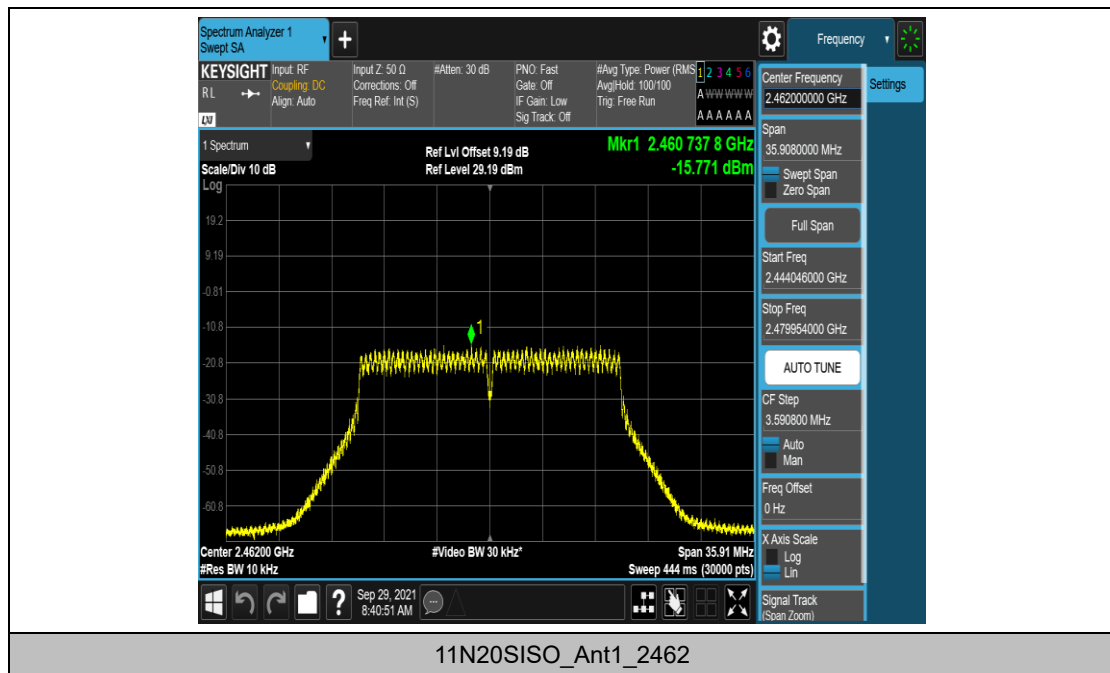
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437

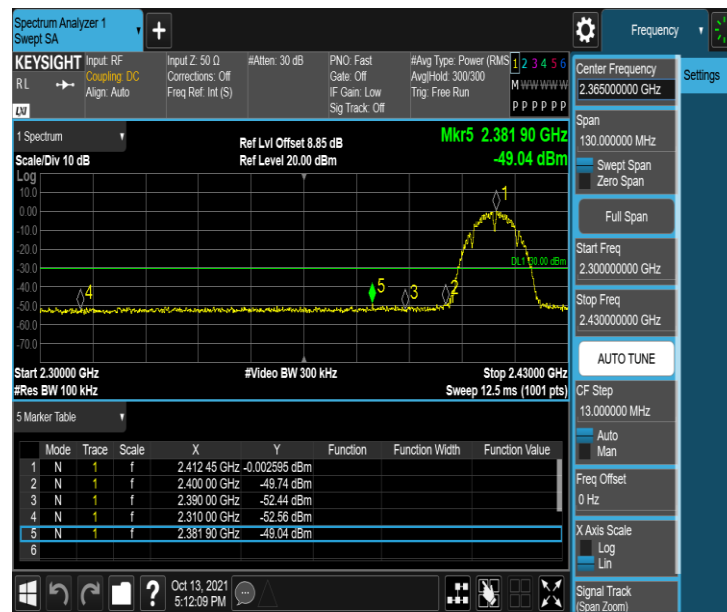


## Appendix E: Band edge measurements

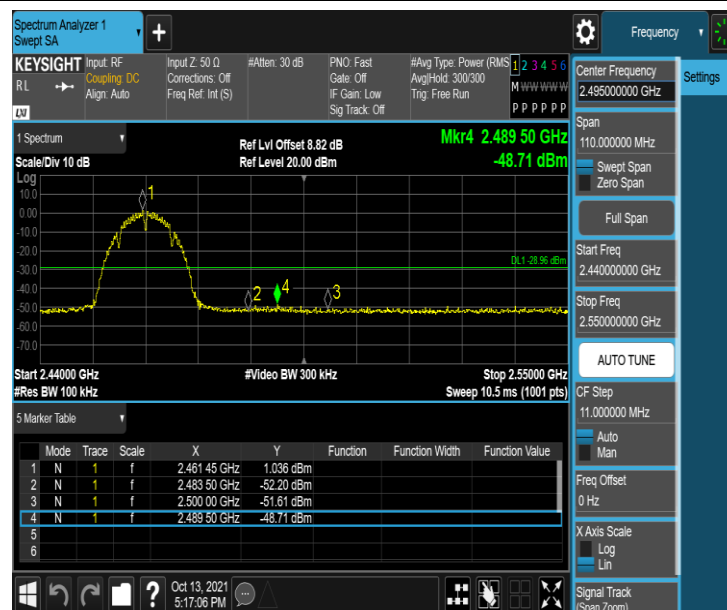
### Test Result

| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412    | 0.00          | -49.04      | ≤-30       | PASS    |
|           |         | High   | 2462    | 1.04          | -48.71      | ≤-28.96    | PASS    |
| 11G       | Ant1    | Low    | 2412    | -0.34         | -39.11      | ≤-30.34    | PASS    |
|           |         | High   | 2462    | 1.09          | -48.17      | ≤-28.91    | PASS    |
| 11N20SISO | Ant1    | Low    | 2412    | -0.13         | -37.8       | ≤-30.13    | PASS    |
|           |         | High   | 2462    | 0.73          | -48.54      | ≤-29.27    | PASS    |

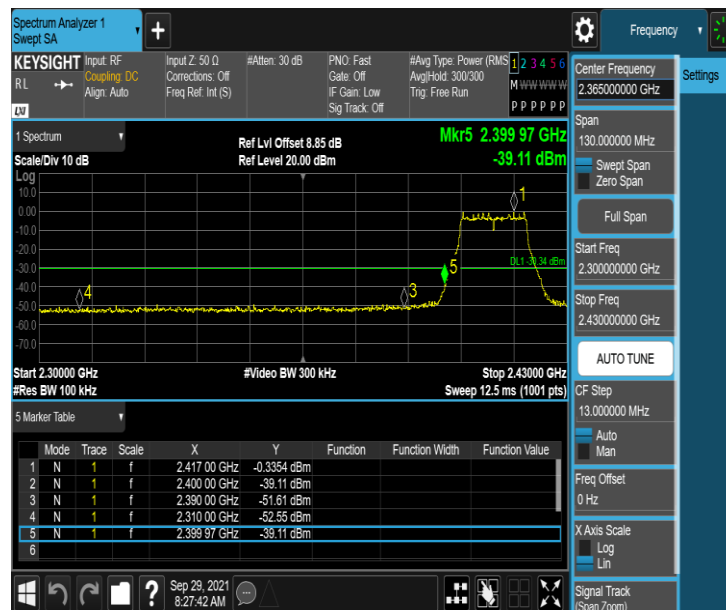
## Test Graphs



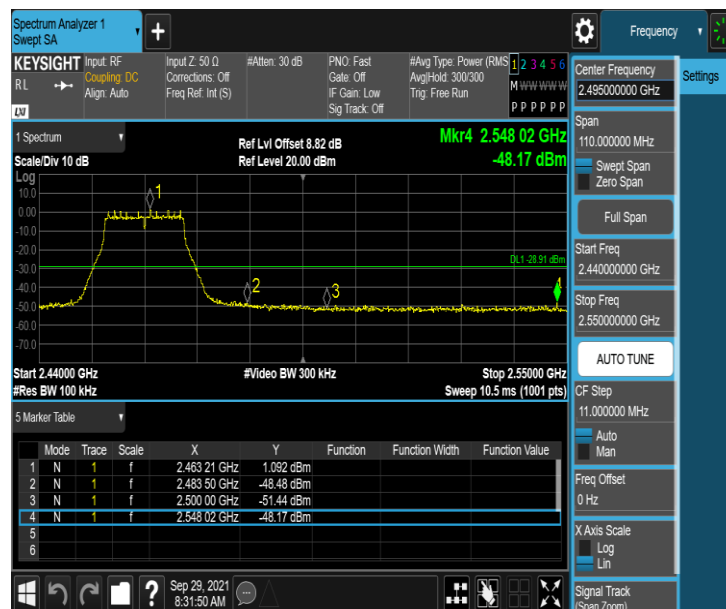
11B\_Ant1\_Low\_2412



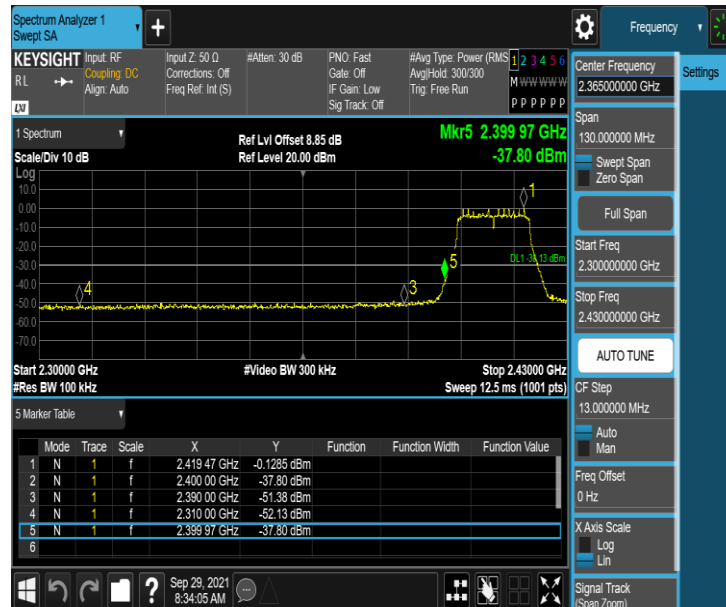
11B\_Ant1\_High\_2462



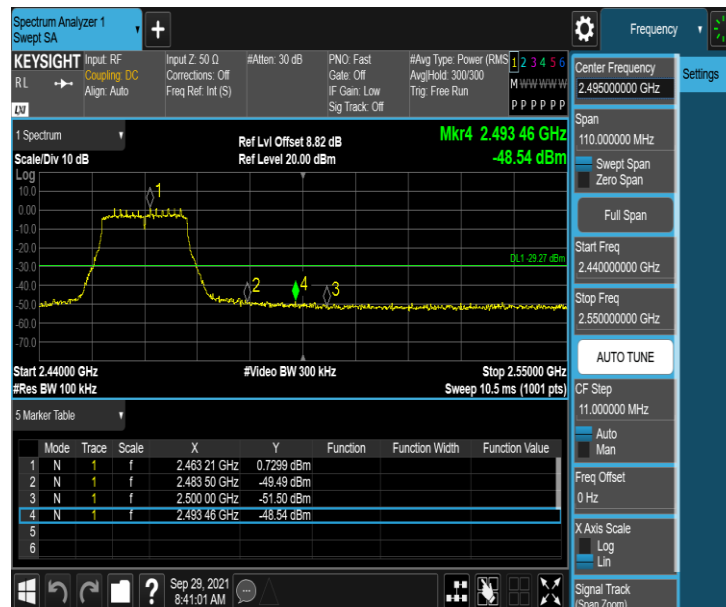
11G\_Ant1\_Low\_2412



11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



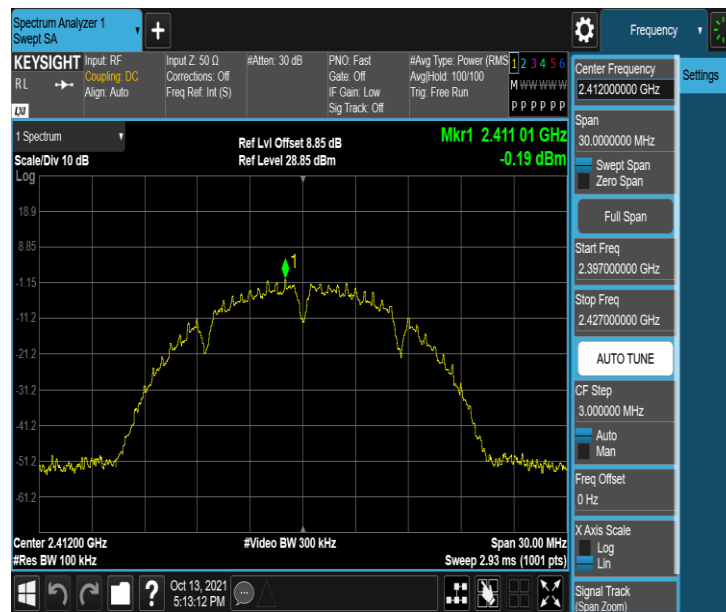
11N20SISO\_Ant1\_High\_2462

## Appendix F: Conducted Spurious Emission

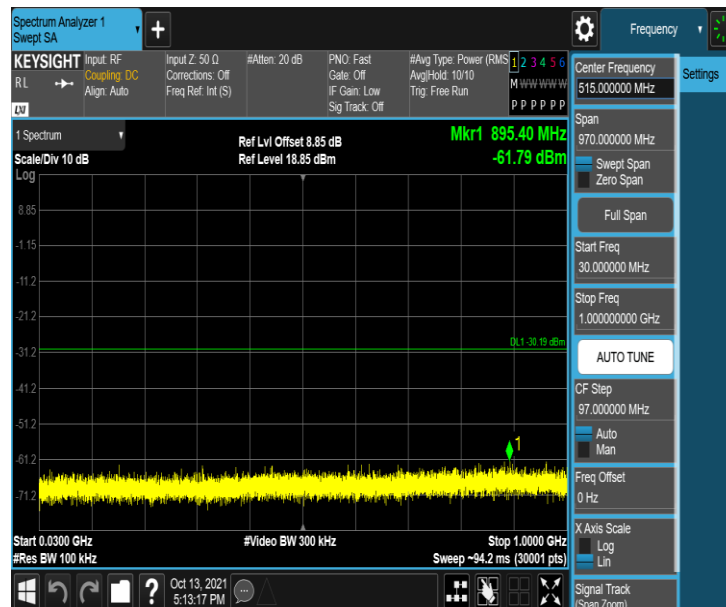
### Test Result

| TestMode  | Antenna | Channel | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| 11B       | Ant1    | 2412    | Reference          | -0.19             | -0.19           | ---            | PASS    |
|           |         |         | 30~1000            | -0.19             | -61.79          | ≤-30.19        | PASS    |
|           |         |         | 1000~26500         | -0.19             | -43.36          | ≤-30.19        | PASS    |
|           |         | 2437    | Reference          | 0.65              | 0.65            | ---            | PASS    |
|           |         |         | 30~1000            | 0.65              | -62.3           | ≤-29.35        | PASS    |
|           |         |         | 1000~26500         | 0.65              | -44.97          | ≤-29.35        | PASS    |
|           |         | 2462    | Reference          | 0.59              | 0.59            | ---            | PASS    |
|           |         |         | 30~1000            | 0.59              | -61.28          | ≤-29.41        | PASS    |
|           |         |         | 1000~26500         | 0.59              | -47.02          | ≤-29.41        | PASS    |
| 11G       | Ant1    | 2412    | Reference          | -0.15             | -0.15           | ---            | PASS    |
|           |         |         | 30~1000            | -0.15             | -62.08          | ≤-30.15        | PASS    |
|           |         |         | 1000~26500         | -0.15             | -49.42          | ≤-30.15        | PASS    |
|           |         | 2437    | Reference          | 0.40              | 0.40            | ---            | PASS    |
|           |         |         | 30~1000            | 0.40              | -62             | ≤-29.6         | PASS    |
|           |         |         | 1000~26500         | 0.40              | -49.62          | ≤-29.6         | PASS    |
|           |         | 2462    | Reference          | 0.01              | 0.01            | ---            | PASS    |
|           |         |         | 30~1000            | 0.01              | -61.87          | ≤-29.99        | PASS    |
|           |         |         | 1000~26500         | 0.01              | -51.16          | ≤-29.99        | PASS    |
| 11N20SISO | Ant1    | 2412    | Reference          | -0.21             | -0.21           | ---            | PASS    |
|           |         |         | 30~1000            | -0.21             | -62.15          | ≤-30.21        | PASS    |
|           |         |         | 1000~26500         | -0.21             | -48.07          | ≤-30.21        | PASS    |
|           |         | 2437    | Reference          | -0.30             | -0.30           | ---            | PASS    |
|           |         |         | 30~1000            | -0.30             | -61.79          | ≤-30.3         | PASS    |
|           |         |         | 1000~26500         | -0.30             | -49.3           | ≤-30.3         | PASS    |
|           |         | 2462    | Reference          | 0.72              | 0.72            | ---            | PASS    |
|           |         |         | 30~1000            | 0.72              | -61.82          | ≤-29.28        | PASS    |
|           |         |         | 1000~26500         | 0.72              | -51.8           | ≤-29.28        | PASS    |

## Test Graphs



11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000