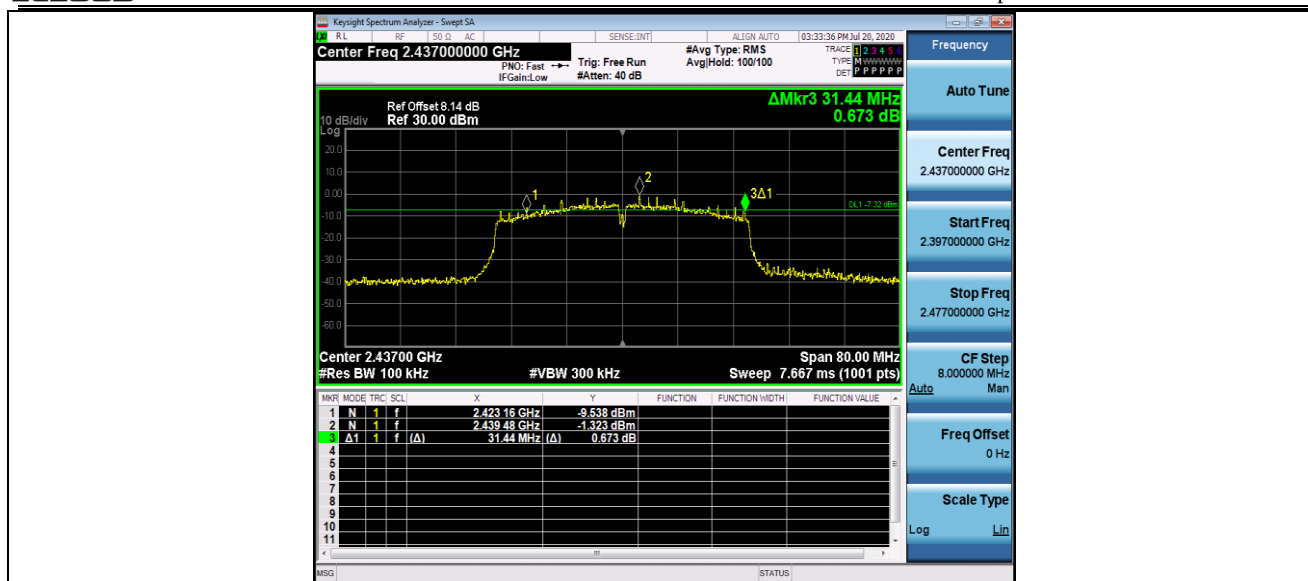
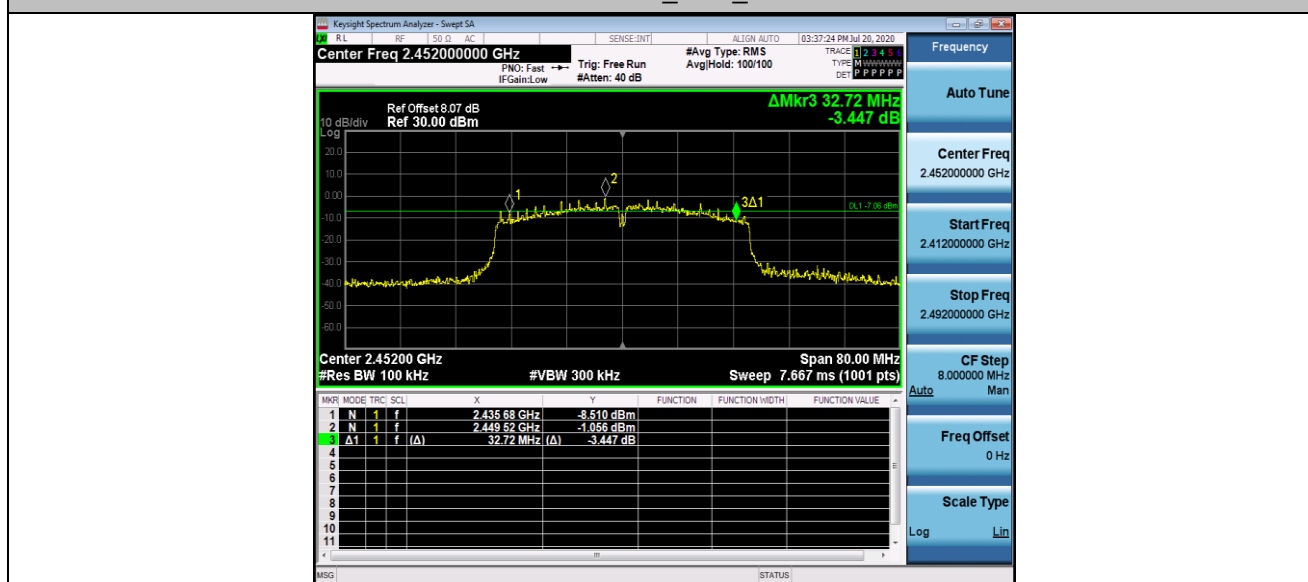




11N40SISO\_Ant1\_2452



## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode  | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412    | 14.798    | 2404.604 | 2419.402 | ---        | PASS    |
|           |         | 2437    | 14.732    | 2429.641 | 2444.373 | ---        | PASS    |
|           |         | 2462    | 14.737    | 2454.654 | 2469.391 | ---        | PASS    |
| 11G       | Ant1    | 2412    | 16.128    | 2403.965 | 2420.093 | ---        | PASS    |
|           |         | 2437    | 16.124    | 2428.971 | 2445.095 | ---        | PASS    |
|           |         | 2462    | 16.145    | 2453.958 | 2470.103 | ---        | PASS    |
| 11N20SISO | Ant1    | 2412    | 16.882    | 2403.604 | 2420.486 | ---        | PASS    |
|           |         | 2437    | 16.872    | 2428.600 | 2445.472 | ---        | PASS    |
|           |         | 2462    | 16.944    | 2453.535 | 2470.479 | ---        | PASS    |
| 11N40SISO | Ant1    | 2422    | 35.502    | 2404.336 | 2439.838 | ---        | PASS    |
|           |         | 2437    | 35.552    | 2419.277 | 2454.829 | ---        | PASS    |
|           |         | 2452    | 35.576    | 2434.254 | 2469.830 | ---        | PASS    |

## Test Graphs

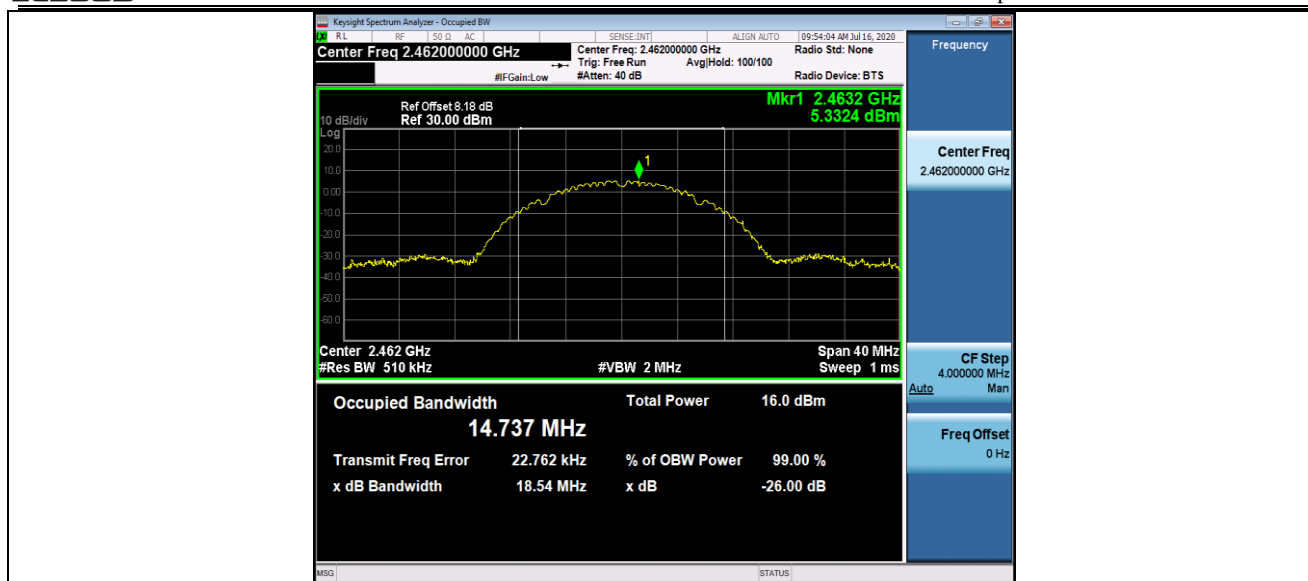
11B\_Ant1\_2412



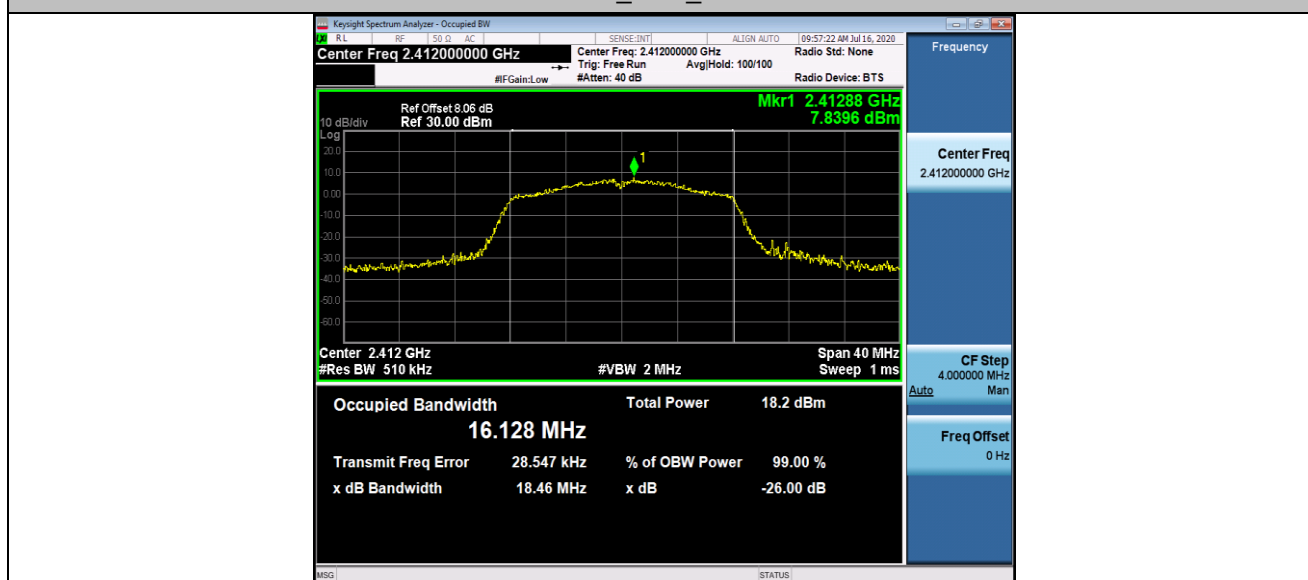
11B\_Ant1\_2437



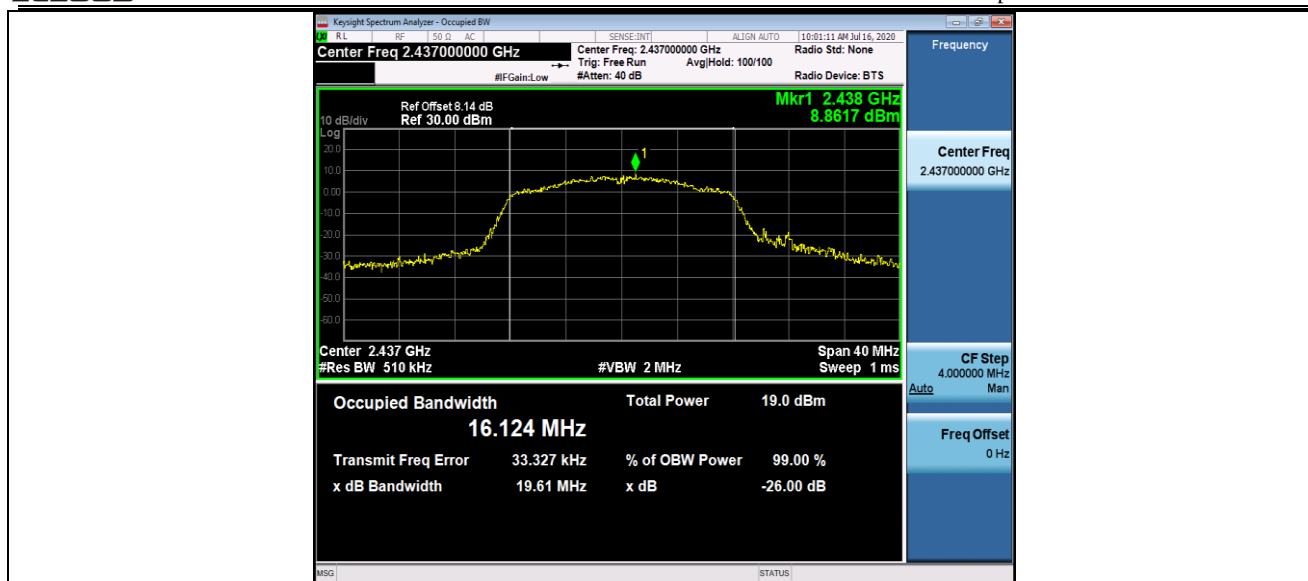
11B\_Ant1\_2462



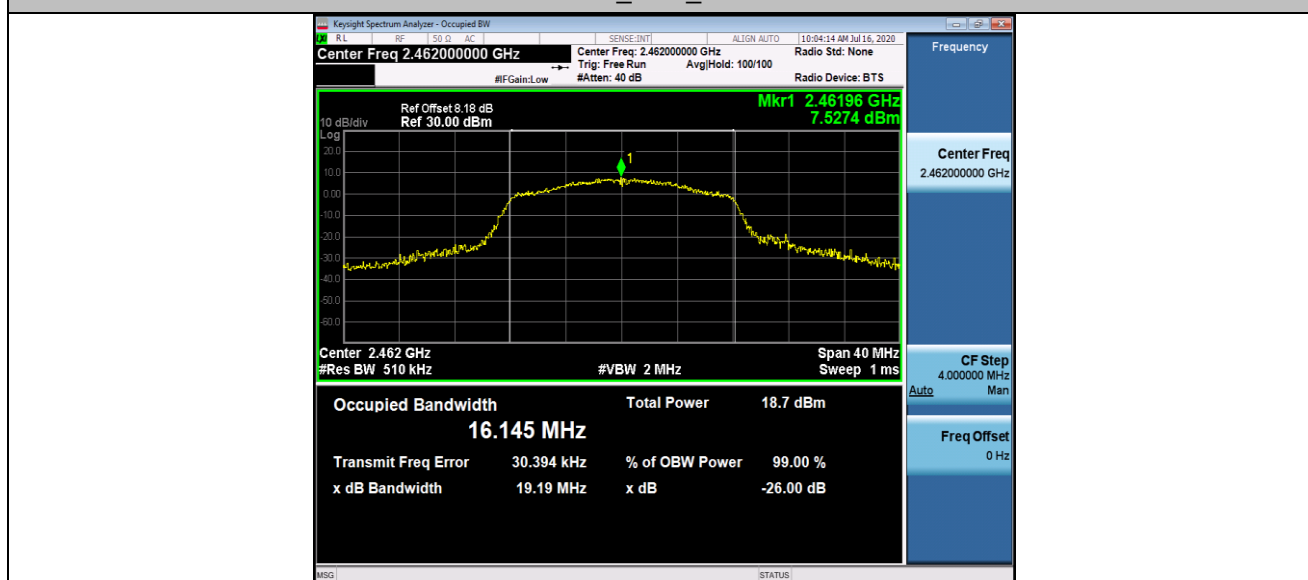
11G\_Ant1\_2412



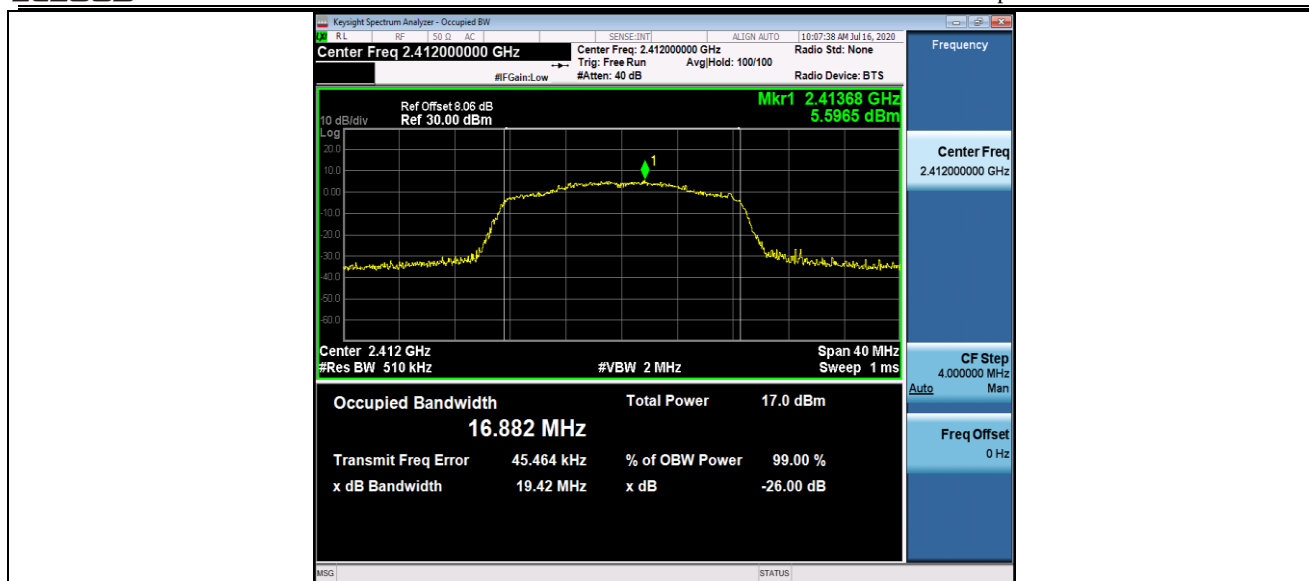
11G\_Ant1\_2437



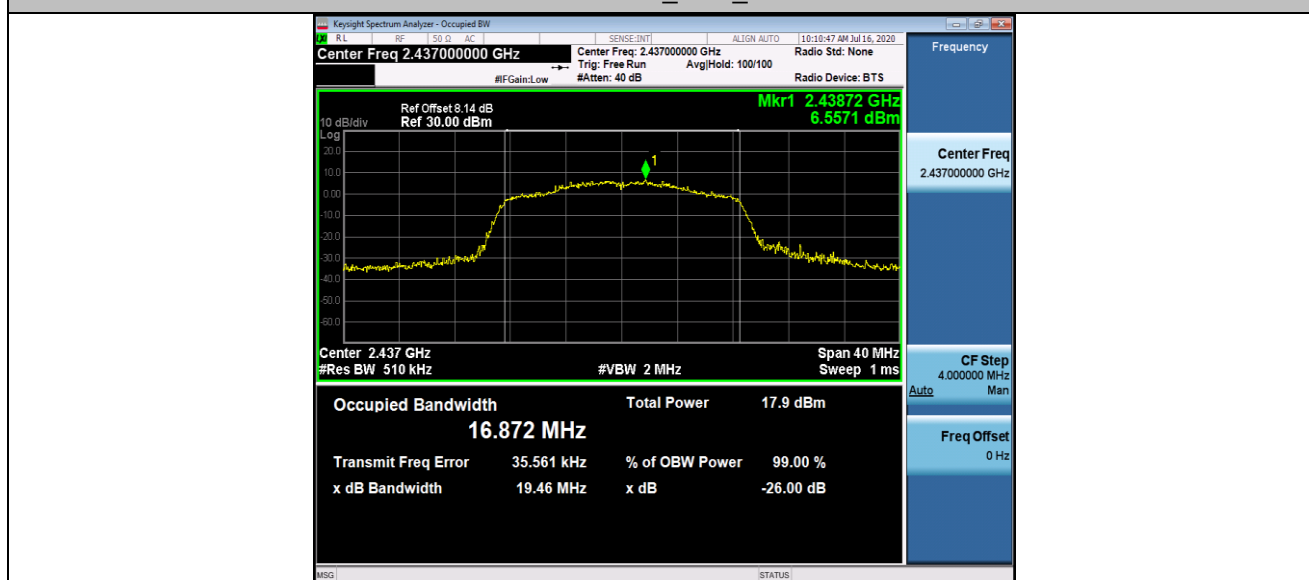
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



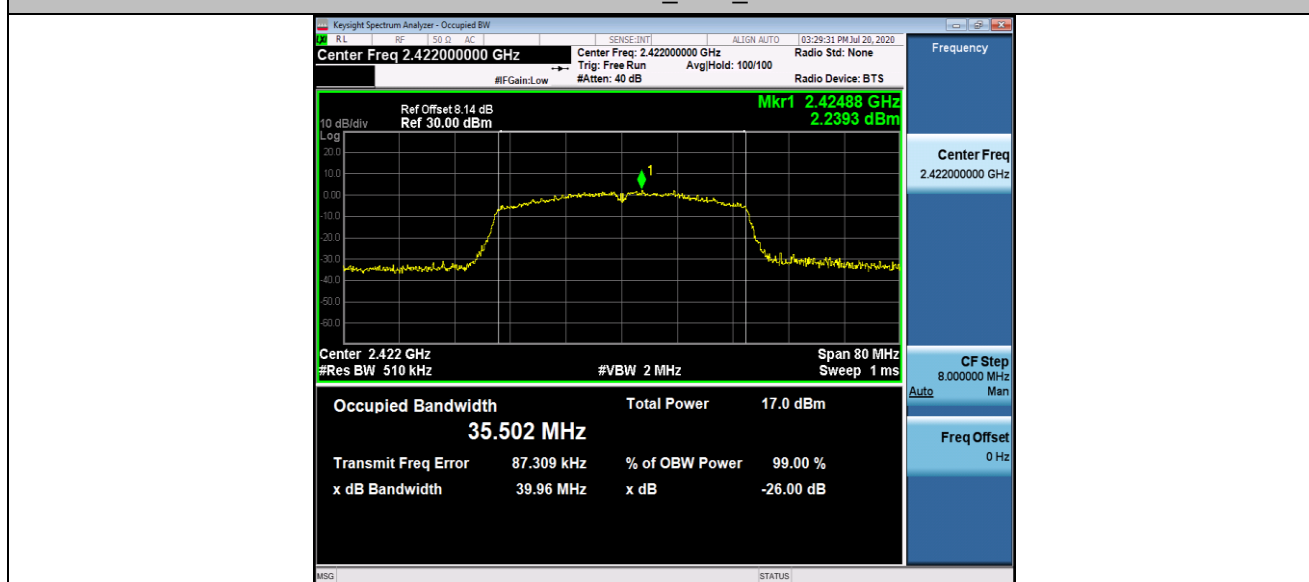
11N20SISO\_Ant1\_2437



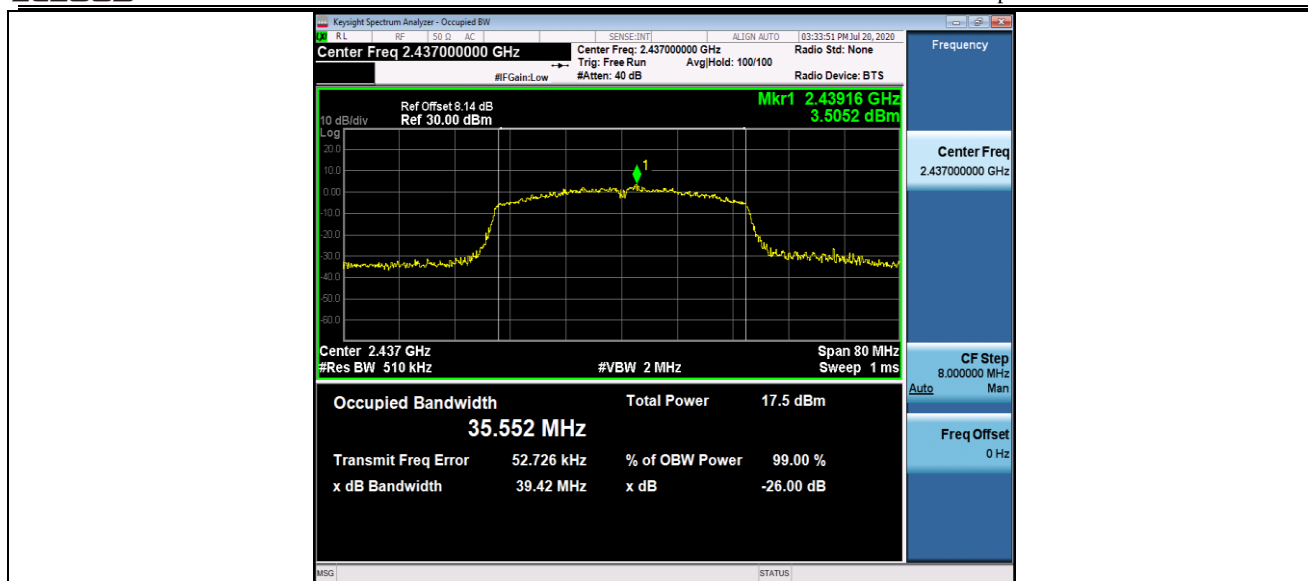
11N20SISO\_Ant1\_2462



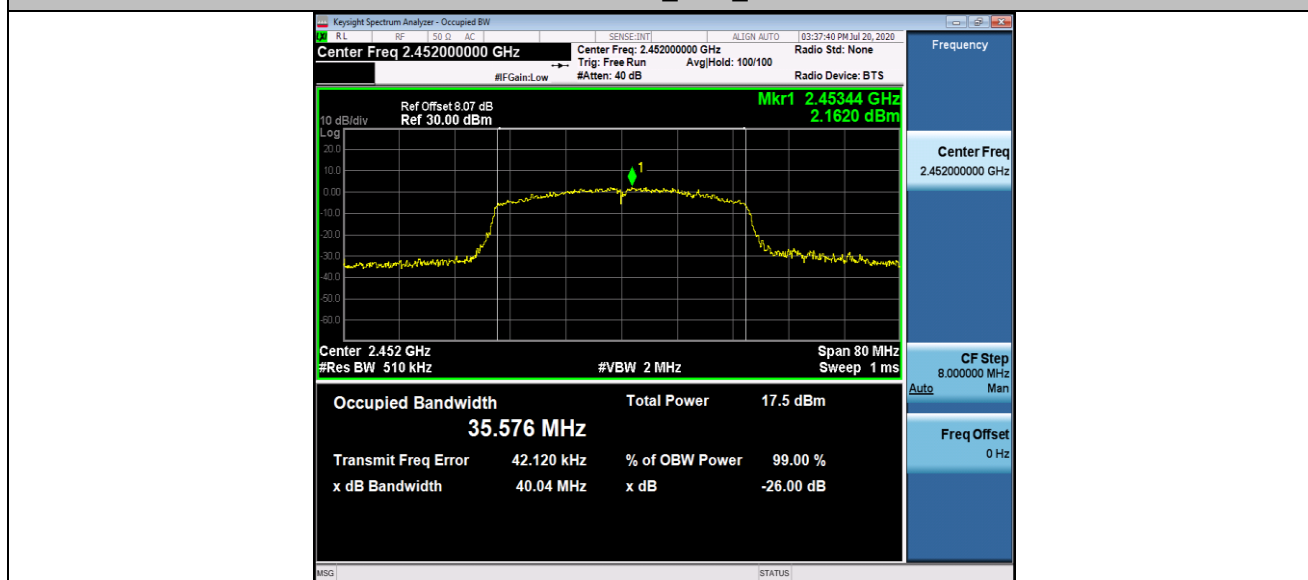
### 11N40SISO\_Ant1\_2422



### 11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452





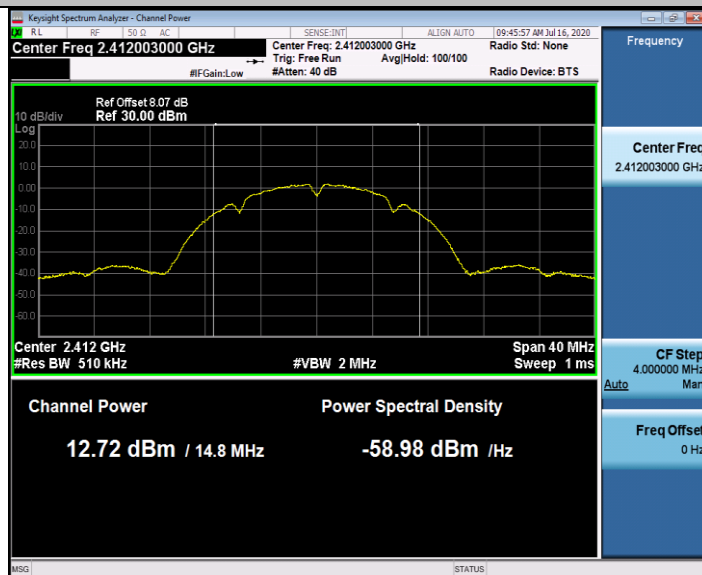
## Appendix C: Maximum conducted output power

### Test Result

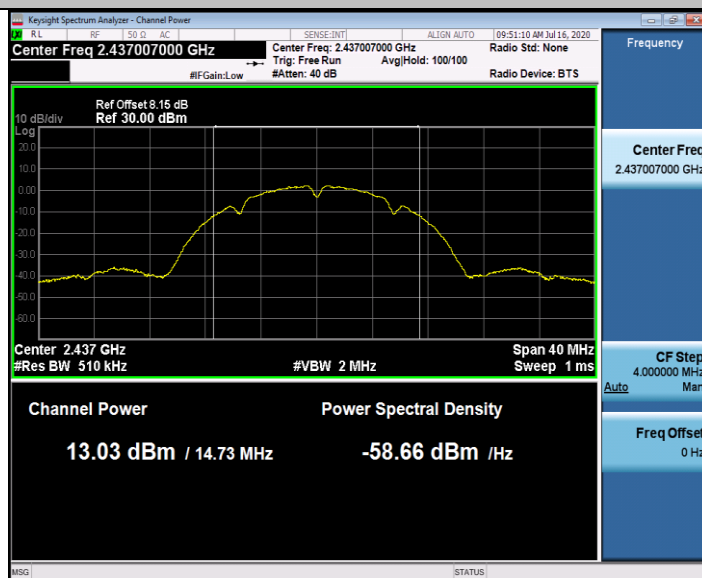
| TestMode  | Antenna | Channel | Result [dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|--------------|------------|---------|
| 11B       | Ant1    | 2412    | 12.73        | <=30       | PASS    |
|           |         | 2437    | 13.03        | <=30       | PASS    |
|           |         | 2462    | 13.41        | <=30       | PASS    |
| 11G       | Ant1    | 2412    | 12.21        | <=30       | PASS    |
|           |         | 2437    | 12.83        | <=30       | PASS    |
|           |         | 2462    | 12.55        | <=30       | PASS    |
| 11N20SISO | Ant1    | 2412    | 10.98        | <=30       | PASS    |
|           |         | 2437    | 11.72        | <=30       | PASS    |
|           |         | 2462    | 11.61        | <=30       | PASS    |
| 11N40SISO | Ant1    | 2422    | 10.79        | <=30       | PASS    |
|           |         | 2437    | 11.31        | <=30       | PASS    |
|           |         | 2452    | 11.25        | <=30       | PASS    |

## Test Graphs

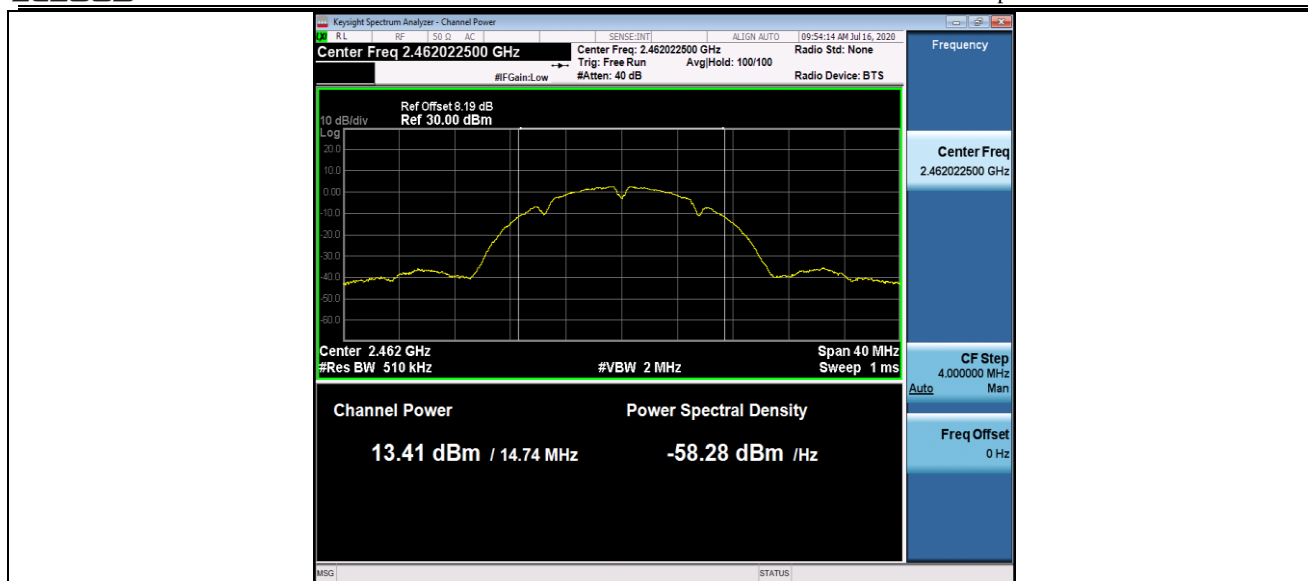
11B\_Ant1\_2412



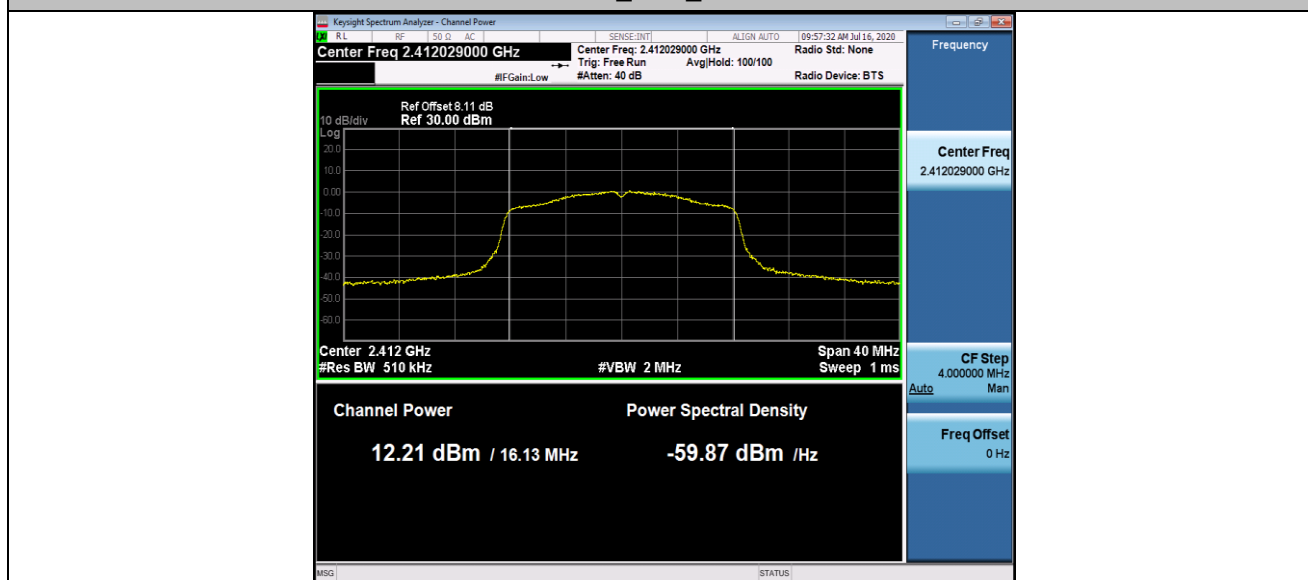
11B\_Ant1\_2437



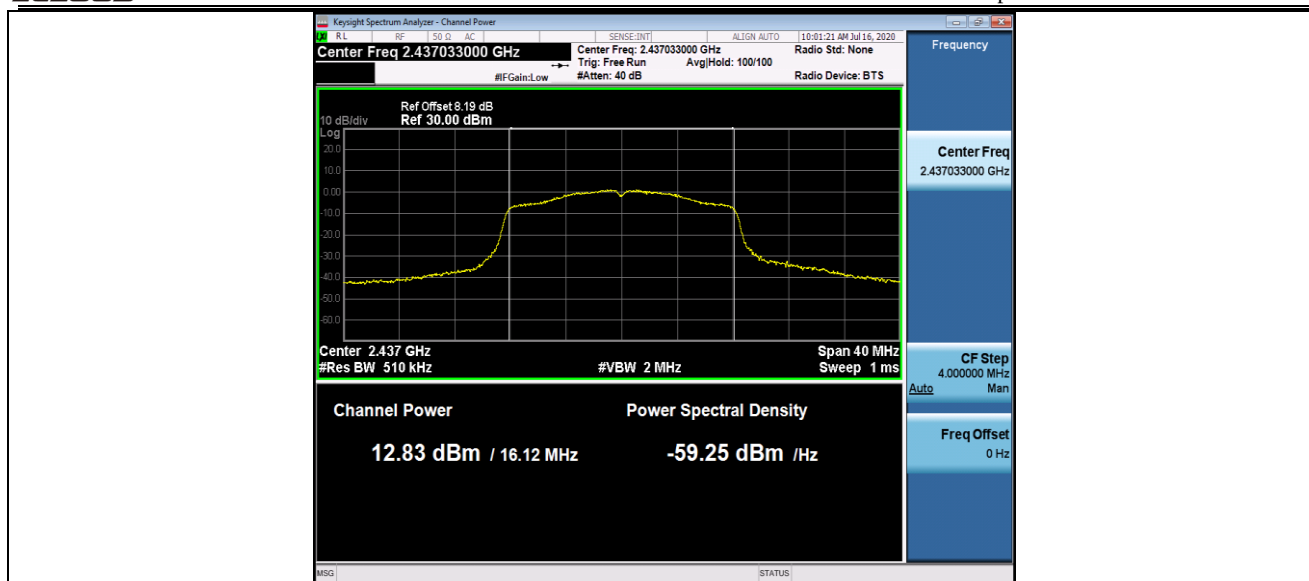
11B\_Ant1\_2462



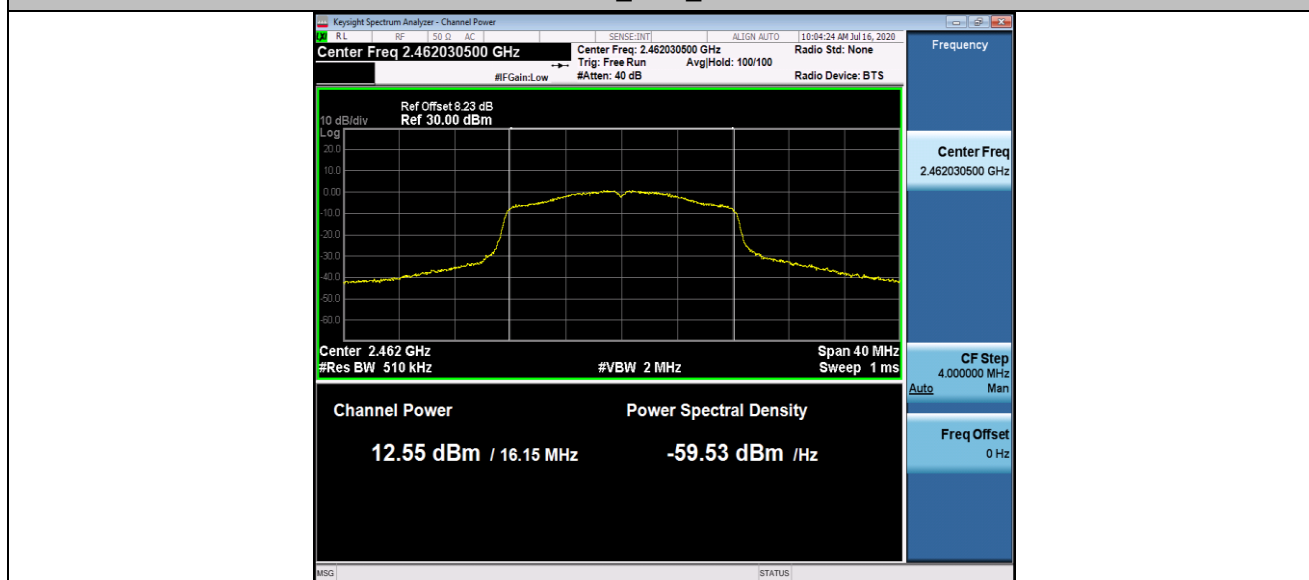
11G\_Ant1\_2412



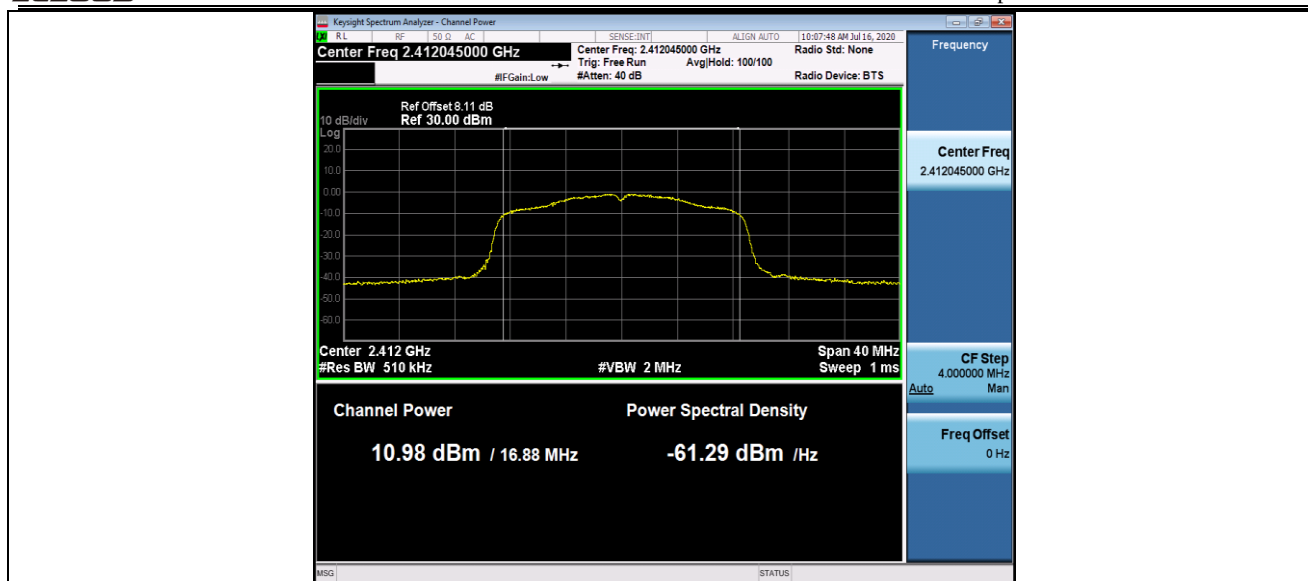
11G\_Ant1\_2437



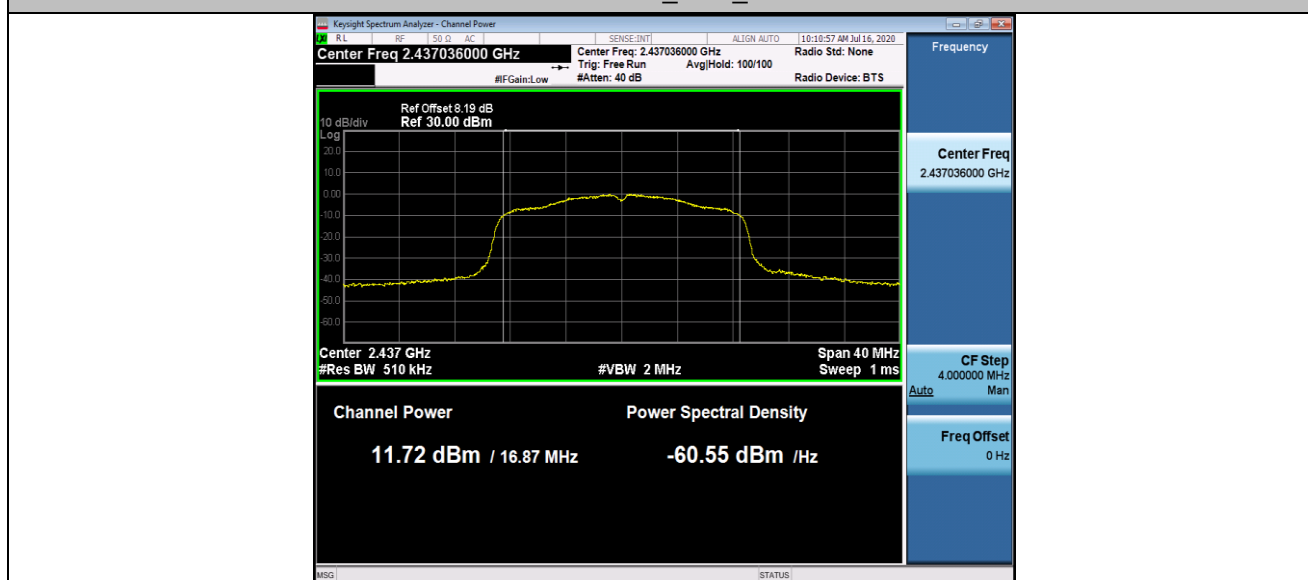
11G\_Ant1\_2462



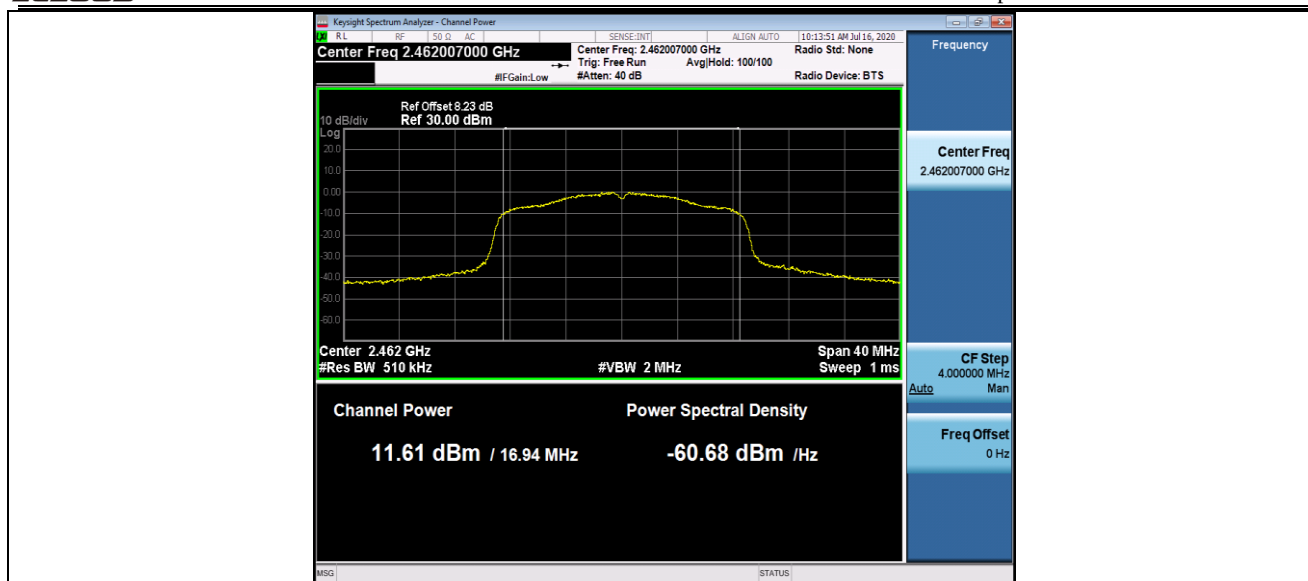
11N20SISO\_Ant1\_2412



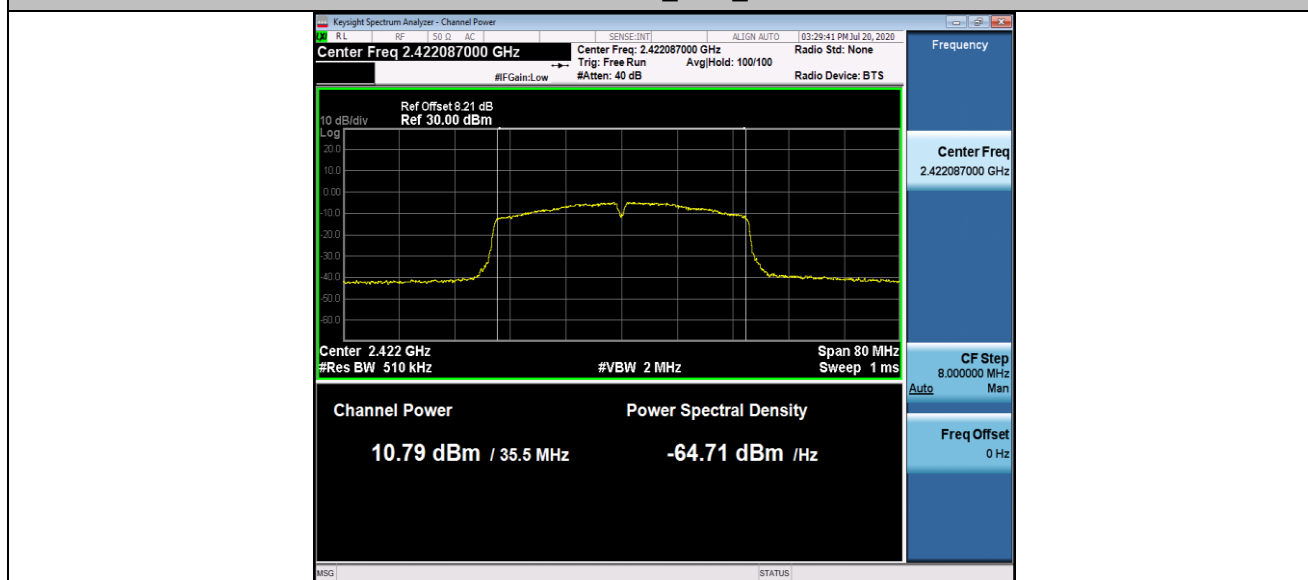
11N20SISO\_Ant1\_2437



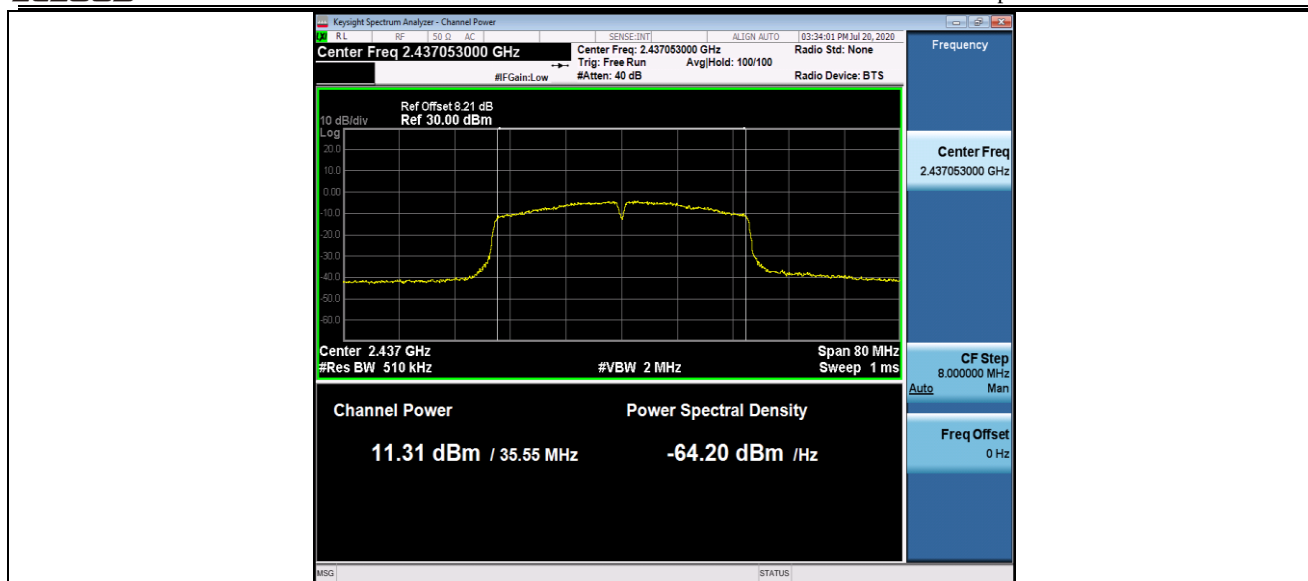
11N20SISO\_Ant1\_2462



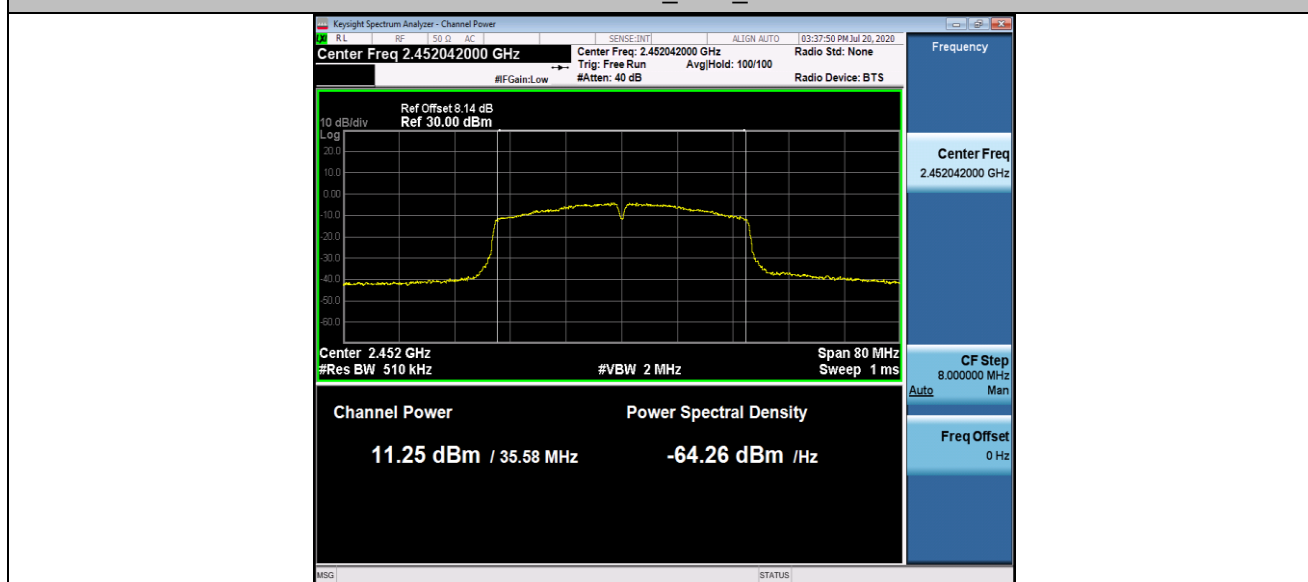
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452



## Appendix D: Duty Cycle

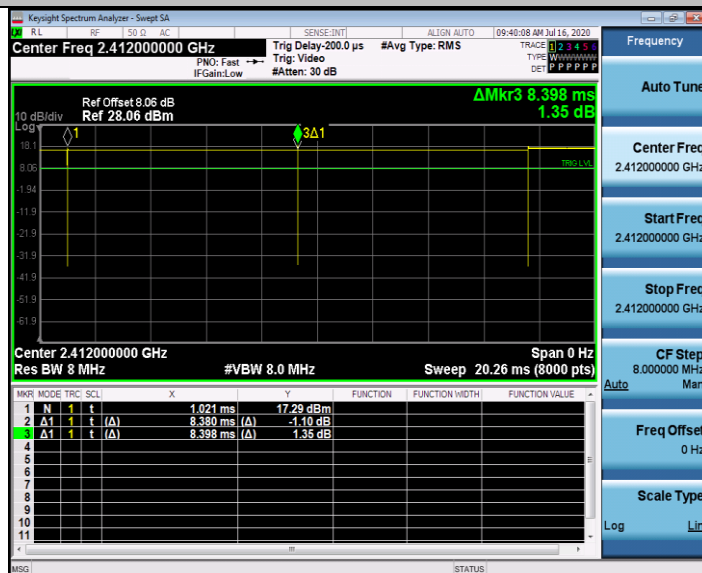
### Test Result

| TestMode  | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|-----------|---------|---------|----------------------------|--------------------------|----------------|
| 11B       | Ant1    | 2412    | 8.38                       | 8.40                     | 99.79          |
|           |         | 2437    | 8.38                       | 8.40                     | 99.79          |
|           |         | 2462    | 8.38                       | 8.40                     | 99.79          |
| 11G       | Ant1    | 2412    | 1.39                       | 1.41                     | 98.83          |
|           |         | 2437    | 1.39                       | 1.41                     | 98.83          |
|           |         | 2462    | 1.39                       | 1.41                     | 98.83          |
| 11N20SISO | Ant1    | 2412    | 1.30                       | 1.31                     | 98.75          |
|           |         | 2437    | 1.30                       | 1.31                     | 98.84          |
|           |         | 2462    | 1.30                       | 1.31                     | 98.75          |
| 11N40SISO | Ant1    | 2422    | 0.65                       | 0.66                     | 98.46          |
|           |         | 2437    | 0.65                       | 0.66                     | 98.46          |
|           |         | 2452    | 0.65                       | 0.66                     | 98.46          |

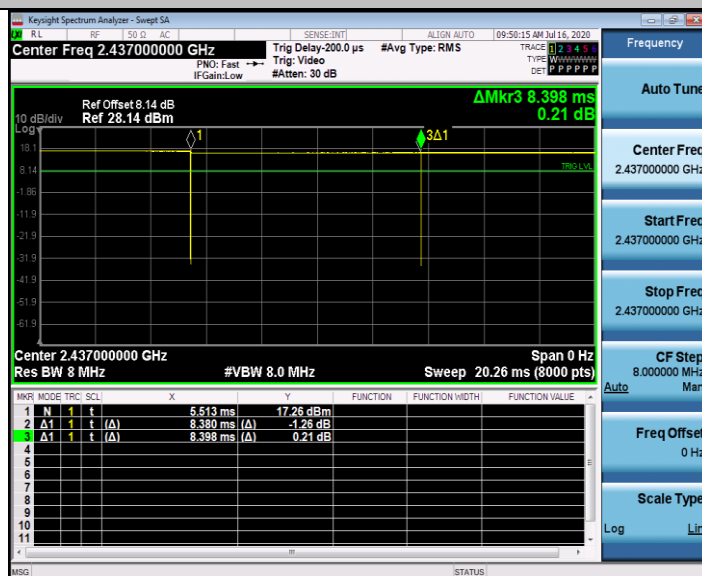


## Test Graphs

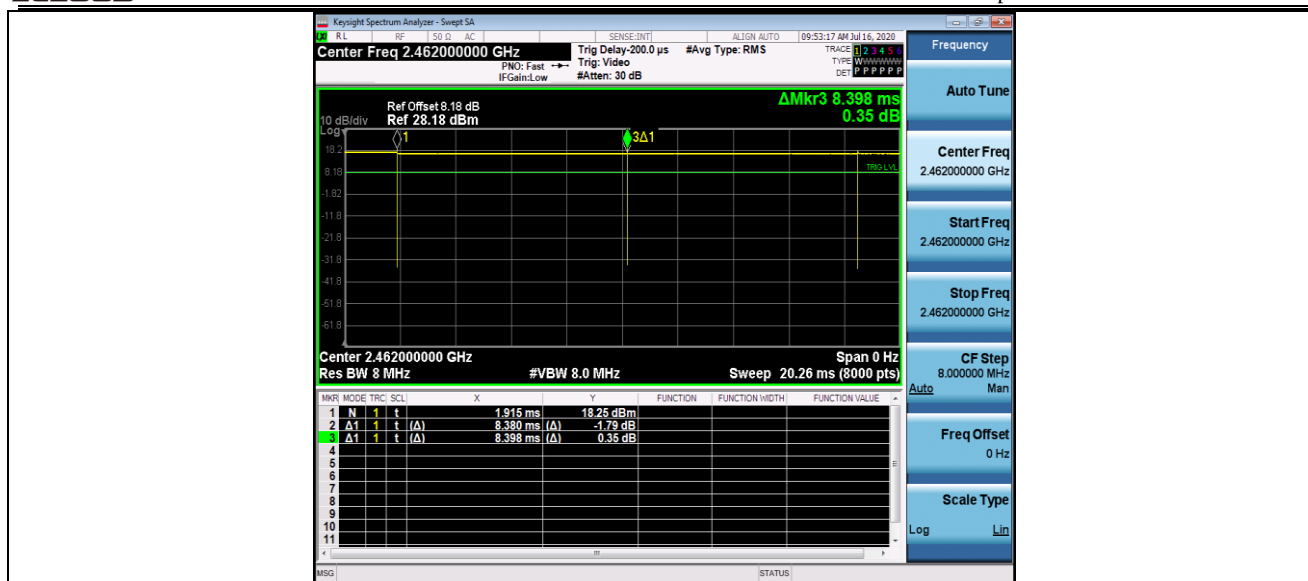
11B\_Ant1\_2412



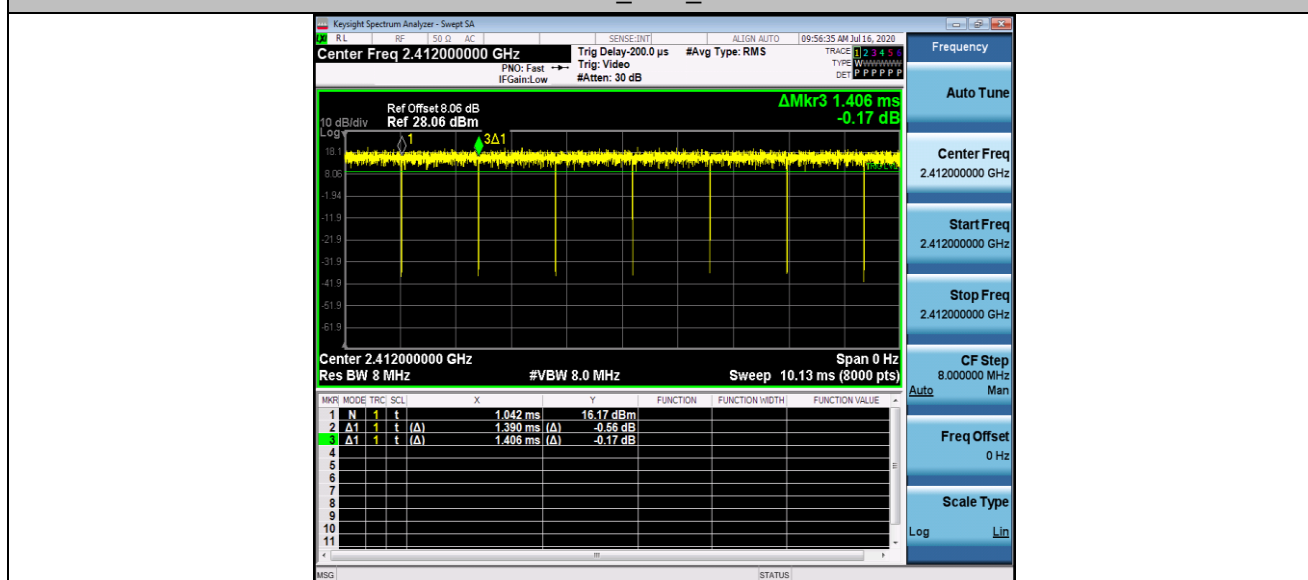
11B\_Ant1\_2437



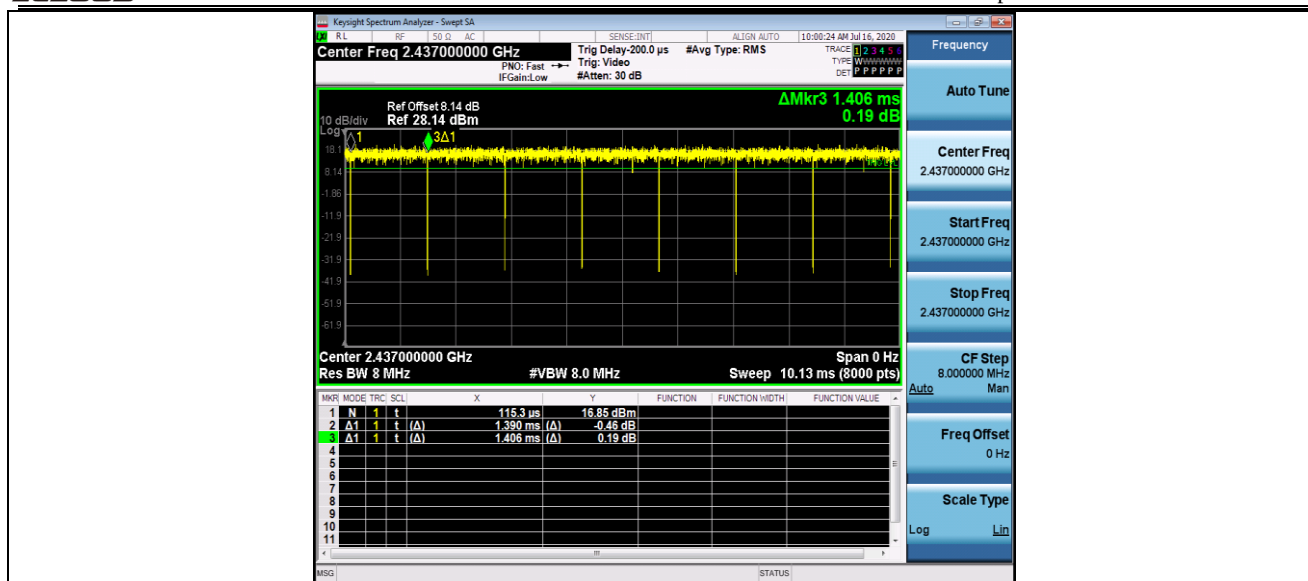
11B\_Ant1\_2462



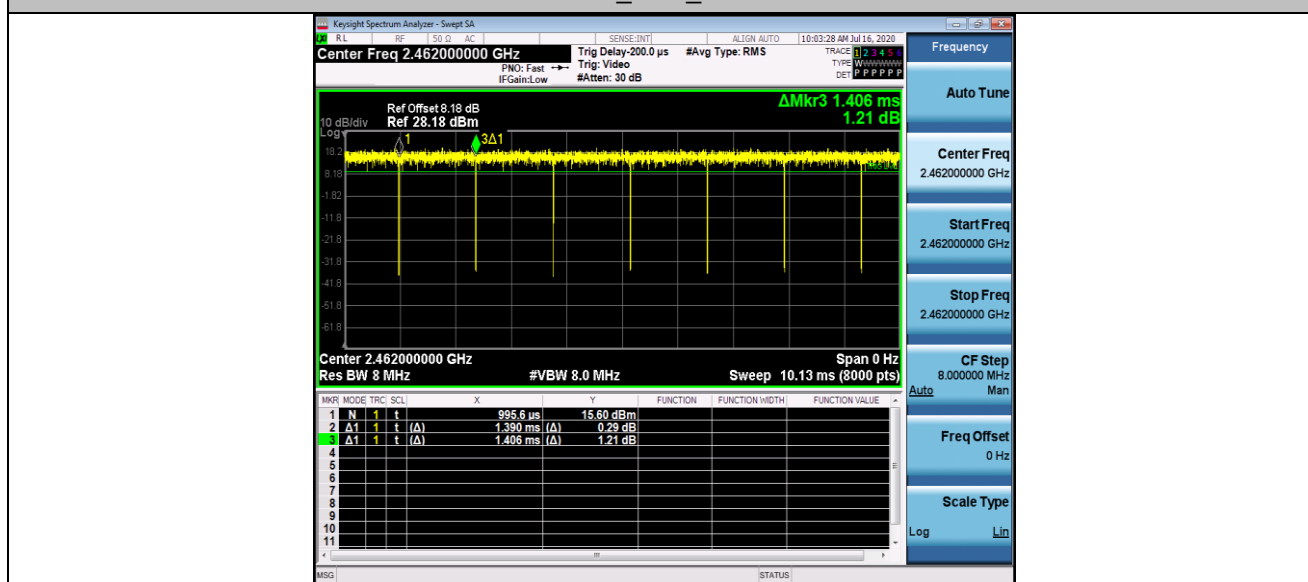
11G\_Ant1\_2412



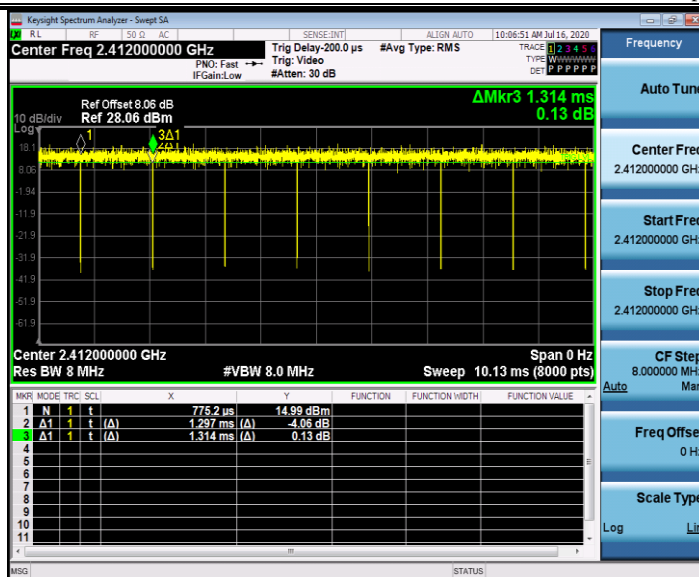
11G\_Ant1\_2437



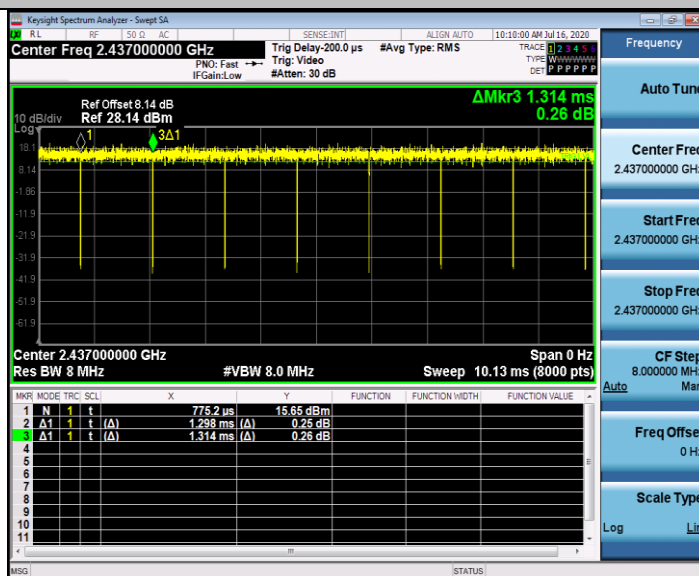
11G\_Ant1\_2462



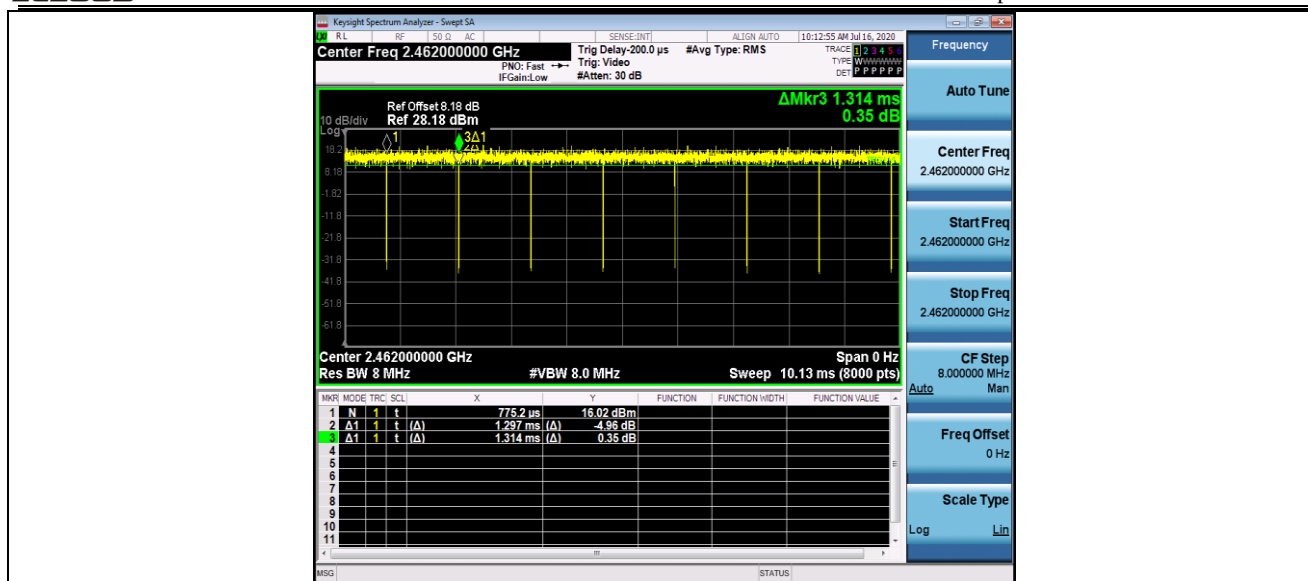
11N20SISO\_Ant1\_2412



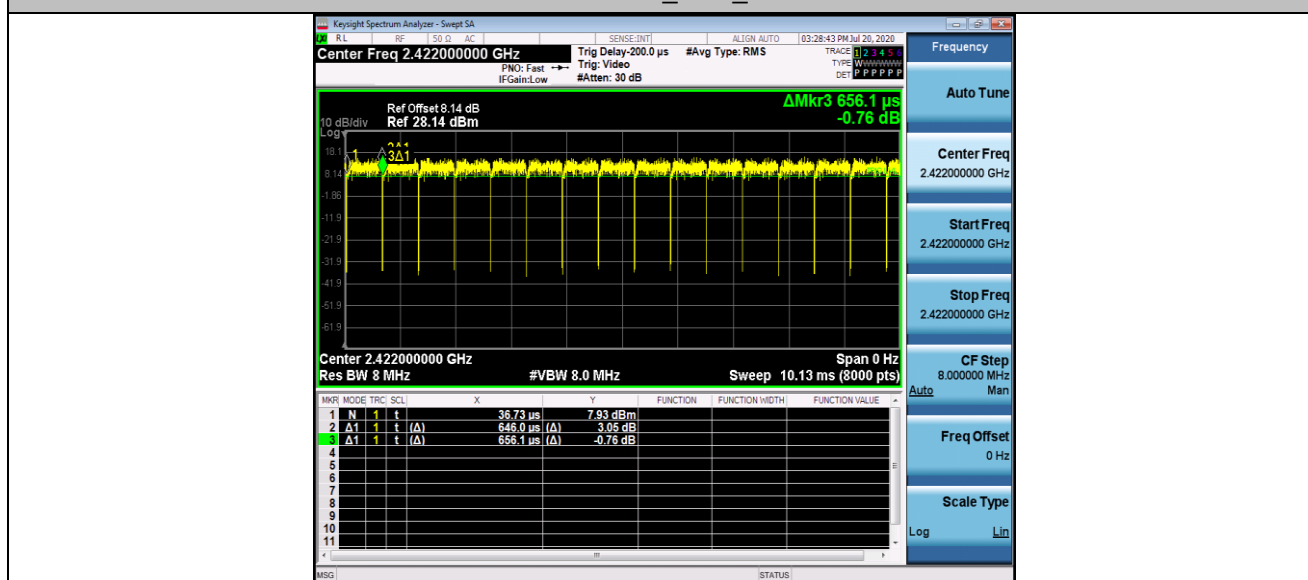
11N20SISO Ant1 2437



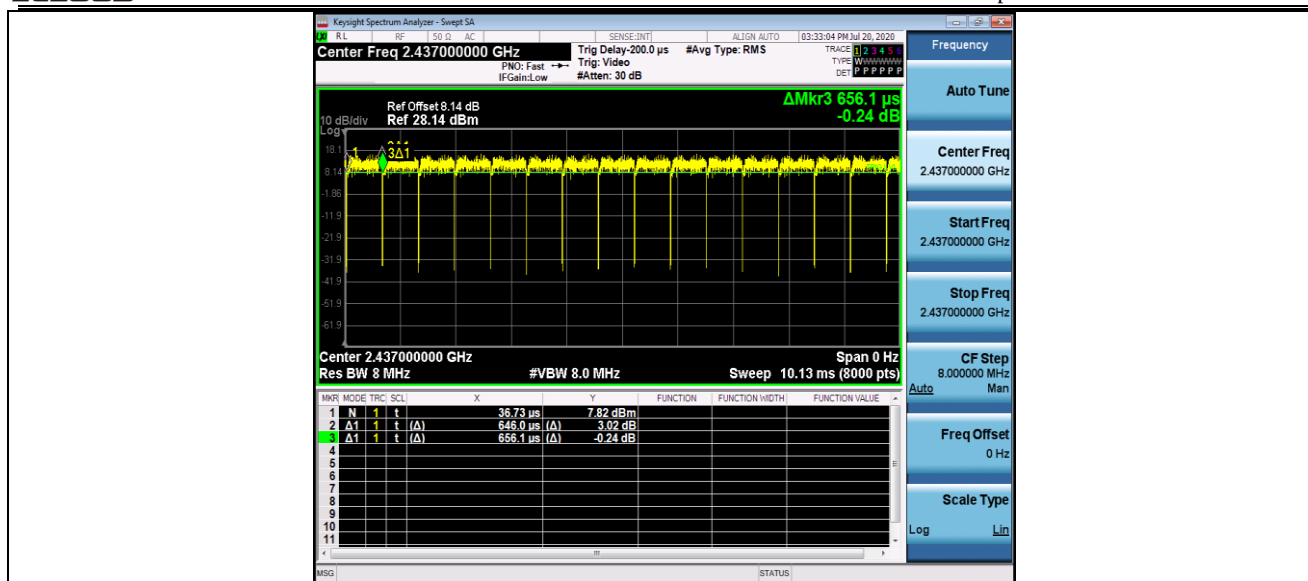
11N20SISO Ant1 2462



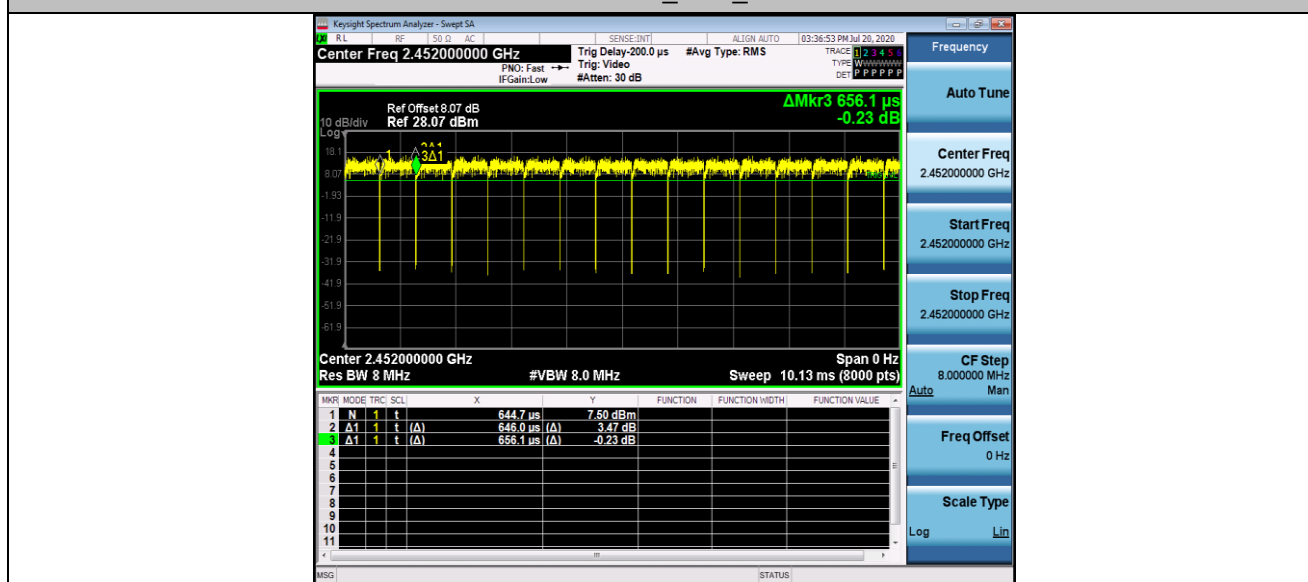
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452



## Appendix E: Maximum power spectral density

### Test Result

| TestMode  | Antenna | Channel | Result<br>[dBm/30kHz] | Result<br>[dBm/3kHz] | Limit<br>[dBm/3kHz] | Verdict |
|-----------|---------|---------|-----------------------|----------------------|---------------------|---------|
| 11B       | Ant1    | 2412    | -9.14                 | -19.14               | $\leq 8$            | PASS    |
|           |         | 2437    | -8.91                 | -18.91               | $\leq 8$            | PASS    |
|           |         | 2462    | -8.25                 | -18.25               | $\leq 8$            | PASS    |
| 11G       | Ant1    | 2412    | -9.75                 | -19.75               | $\leq 8$            | PASS    |
|           |         | 2437    | -8.52                 | -18.52               | $\leq 8$            | PASS    |
|           |         | 2462    | -8.66                 | -18.66               | $\leq 8$            | PASS    |
| 11N20SISO | Ant1    | 2412    | -10.84                | -20.84               | $\leq 8$            | PASS    |
|           |         | 2437    | -10.07                | -20.07               | $\leq 8$            | PASS    |
|           |         | 2462    | -9.88                 | -19.88               | $\leq 8$            | PASS    |
| 11N40SISO | Ant1    | 2422    | -14.03                | -24.03               | $\leq 8$            | PASS    |
|           |         | 2437    | -13.5                 | -23.5                | $\leq 8$            | PASS    |
|           |         | 2452    | -12.95                | -22.95               | $\leq 8$            | PASS    |

Note:

calculating the RBW=3kHz value:

-9.14 (AV.PSD At RBW=30kHz)-10\*log(30/3)=-19.14(AV.PSD At RBW=3kHz)

## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437

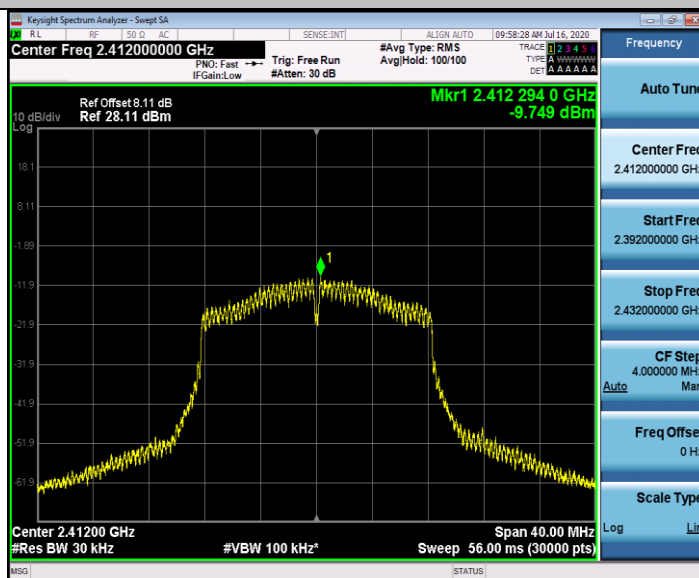


11B\_Ant1\_2462

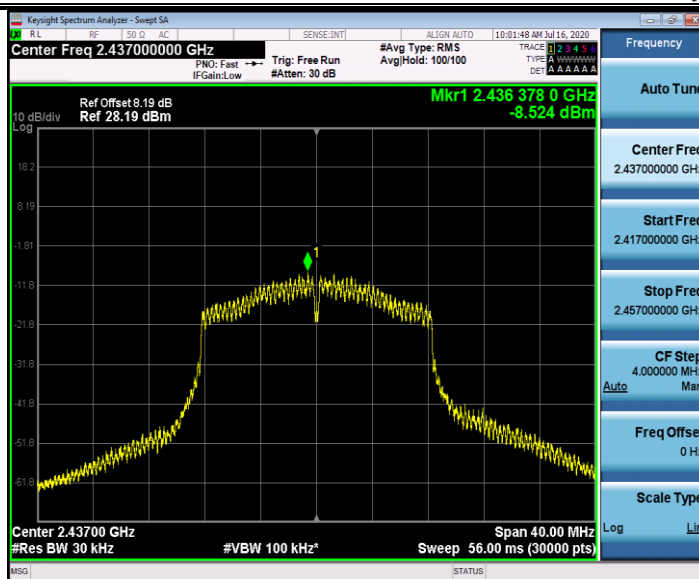




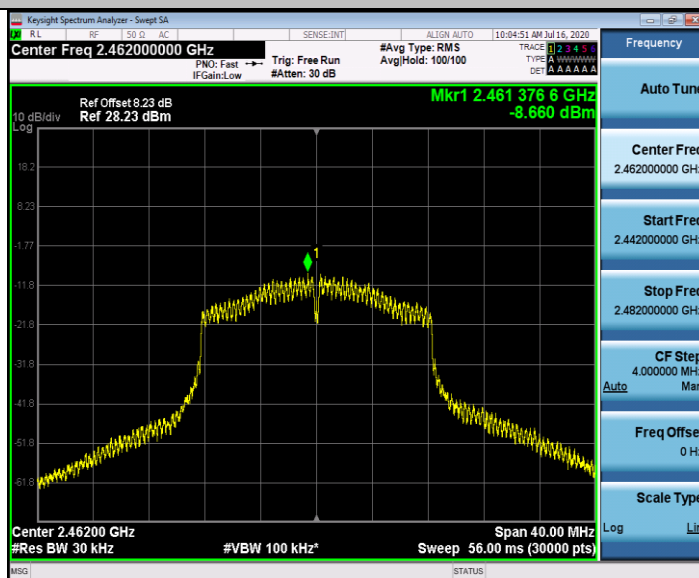
11G\_Ant1\_2412



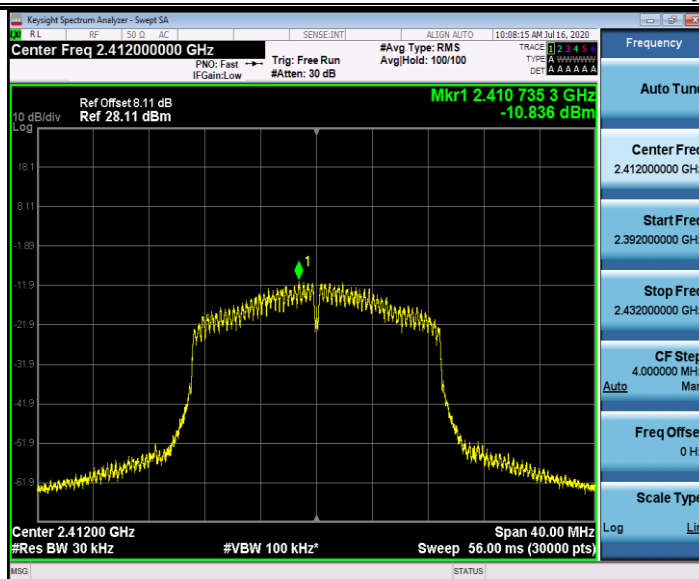
11G\_Ant1\_2437



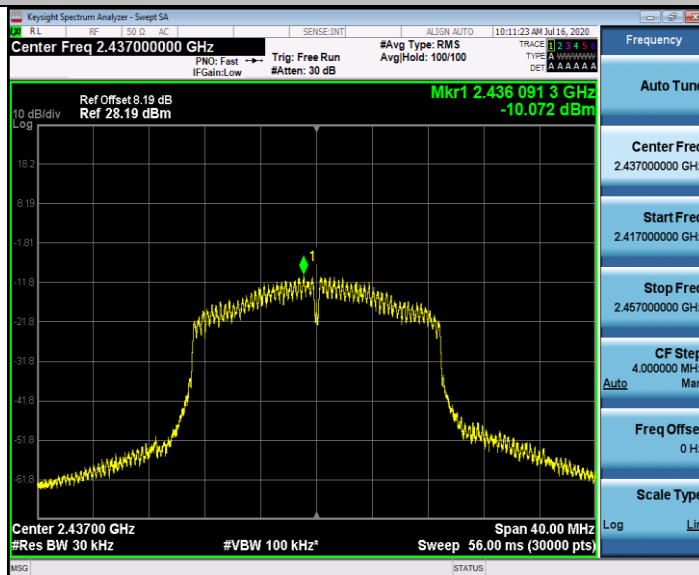
11G\_Ant1\_2462



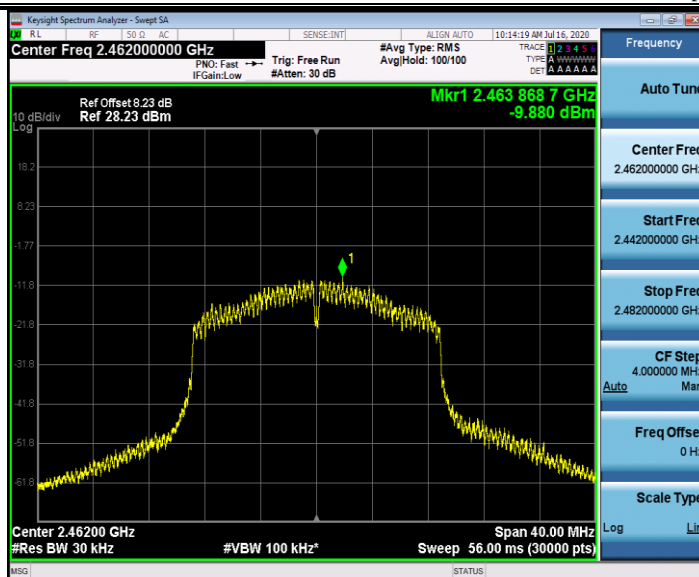
11N20SISO\_Ant1\_2412



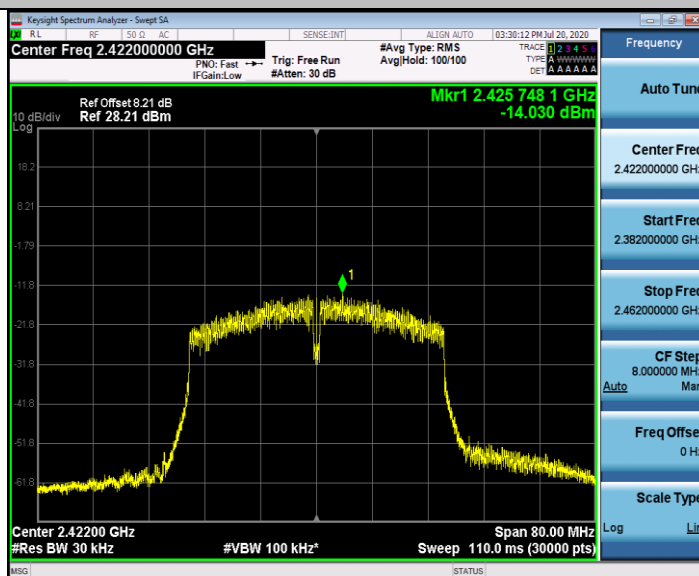
11N20SISO\_Ant1\_2437



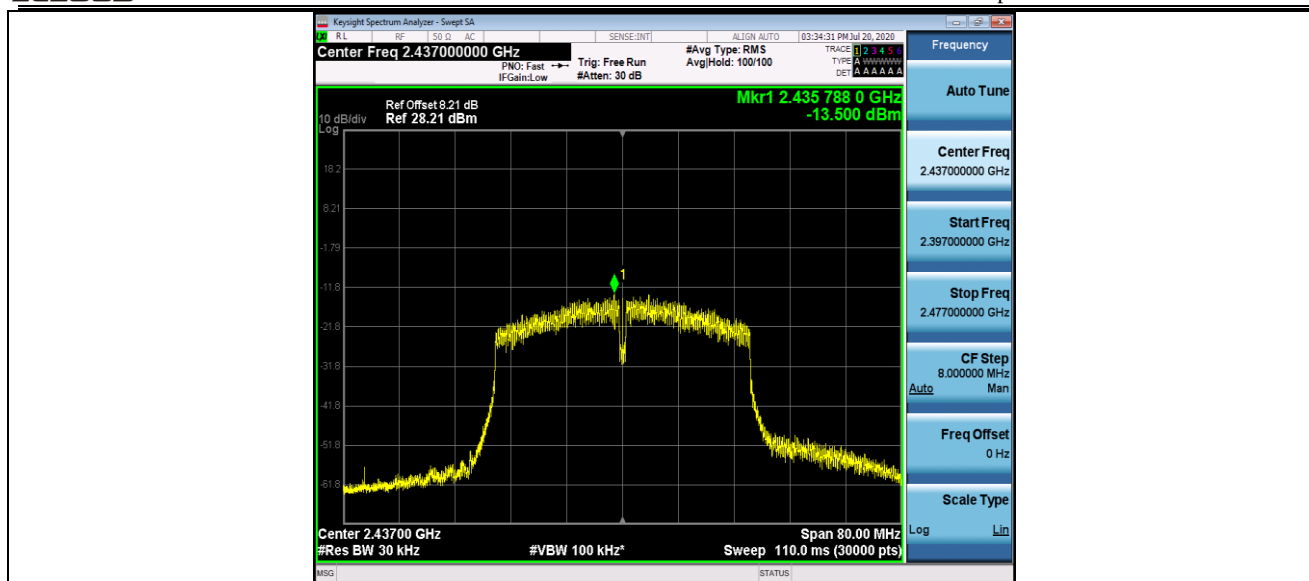
11N20SISO\_Ant1\_2462



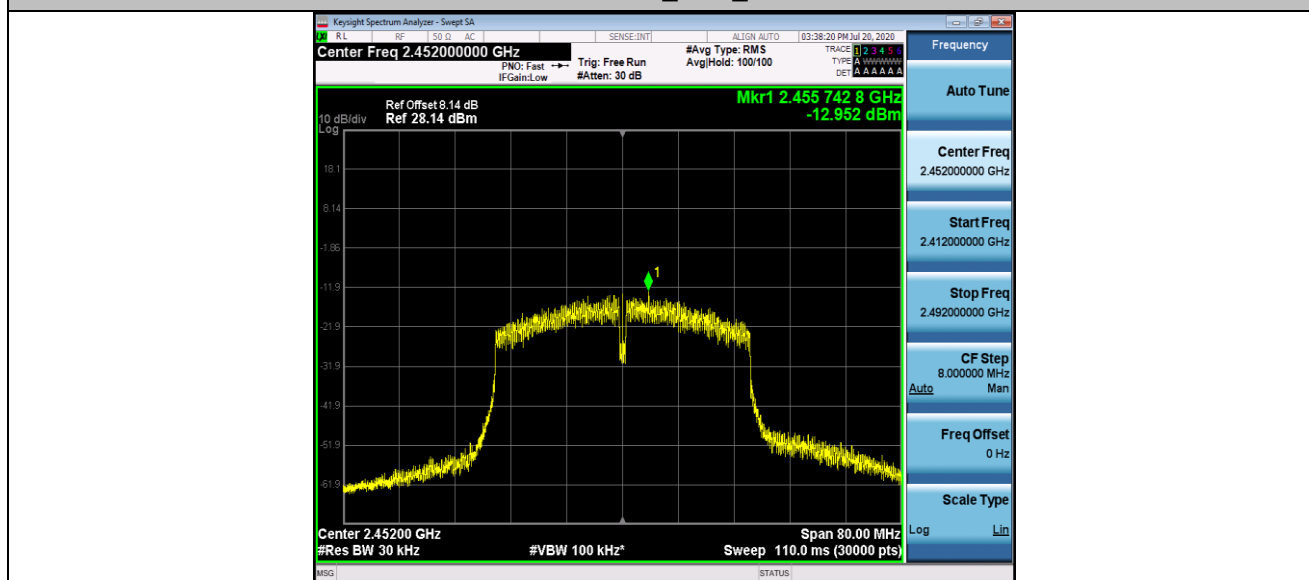
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452



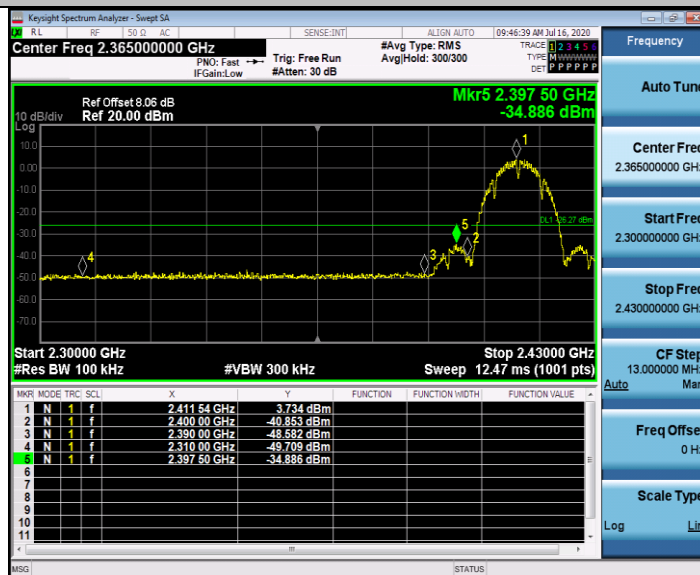
## Appendix F: Band edge measurements

### Test Result

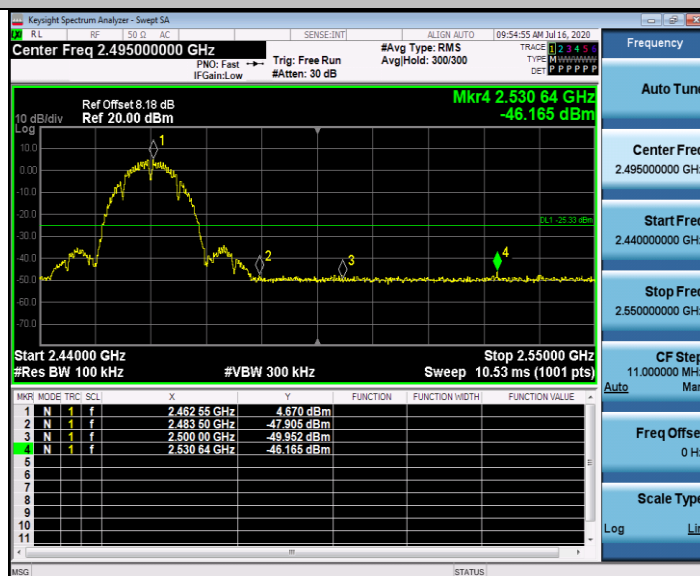
| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412    | 3.73          | -34.89      | <=-26.27   | PASS    |
|           |         | High   | 2462    | 4.67          | -46.17      | <=-25.33   | PASS    |
| 11G       | Ant1    | Low    | 2412    | 3.70          | -38.4       | <=-26.31   | PASS    |
|           |         | High   | 2462    | 3.31          | -43.67      | <=-26.69   | PASS    |
| 11N20SISO | Ant1    | Low    | 2412    | 2.37          | -39.82      | <=-27.63   | PASS    |
|           |         | High   | 2462    | -0.22         | -45.98      | <=-30.22   | PASS    |
| 11N40SISO | Ant1    | Low    | 2422    | -1.51         | -41.05      | <=-31.51   | PASS    |
|           |         | High   | 2452    | -1.15         | -37.1       | <=-31.15   | PASS    |

## Test Graphs

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412