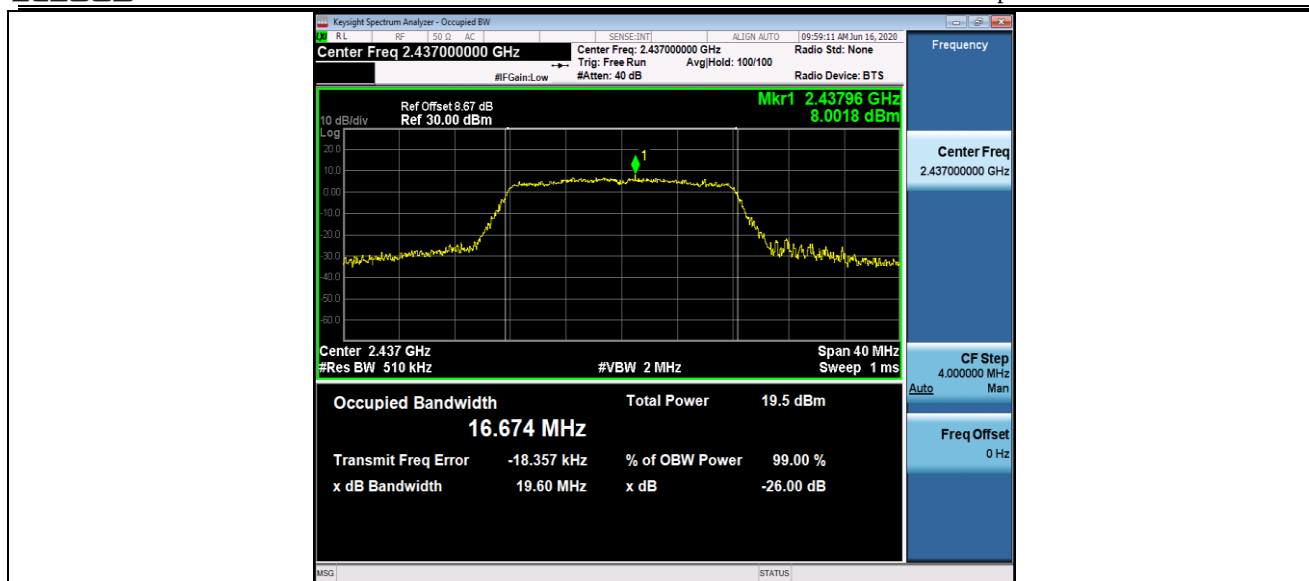
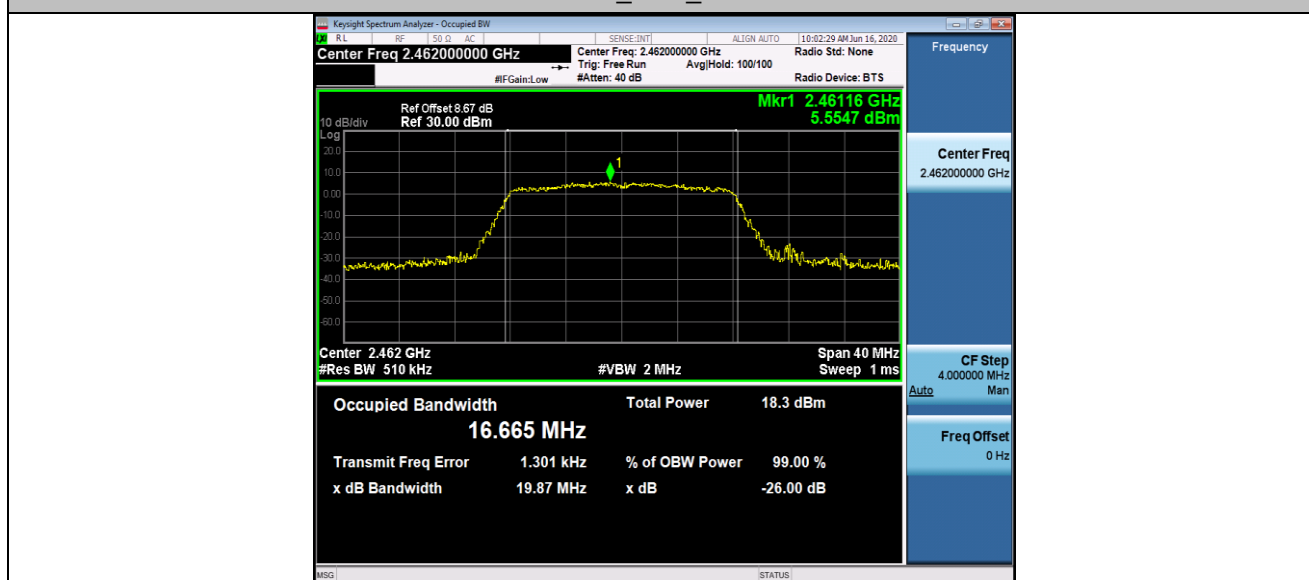




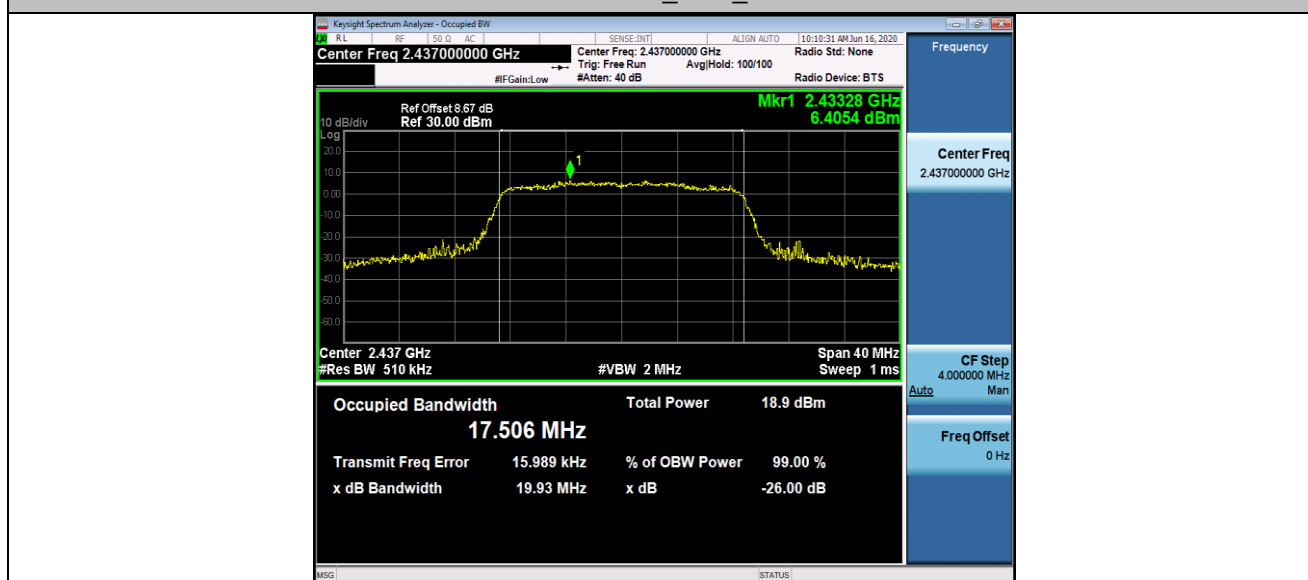
11G\_Ant1\_2462



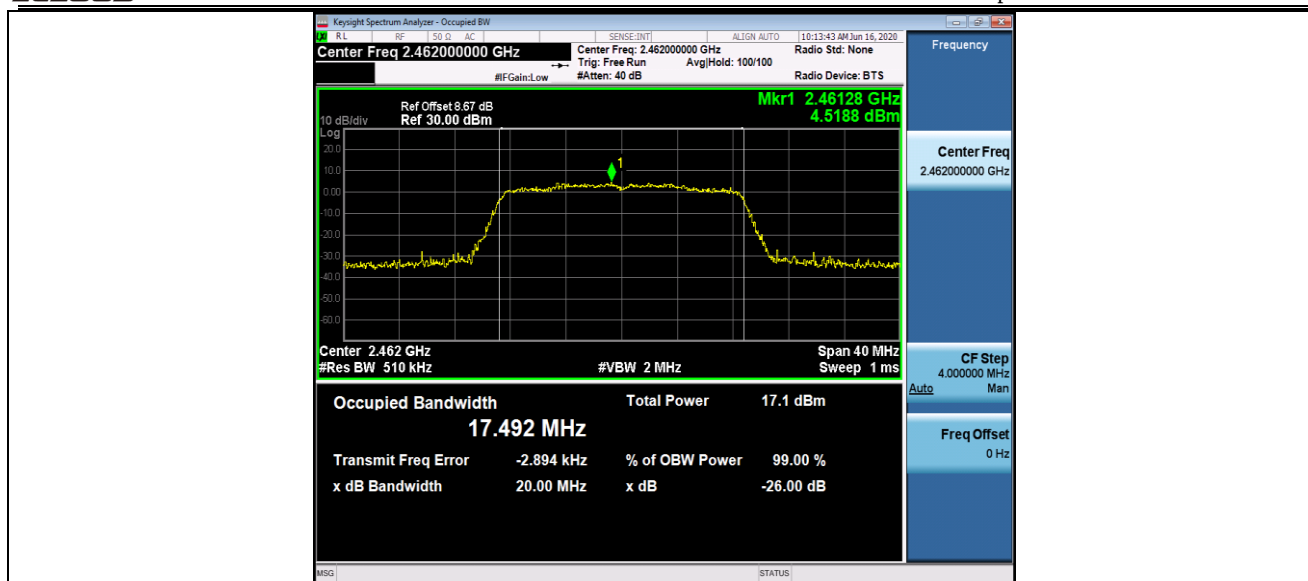
11N20SISO\_Ant1\_2412



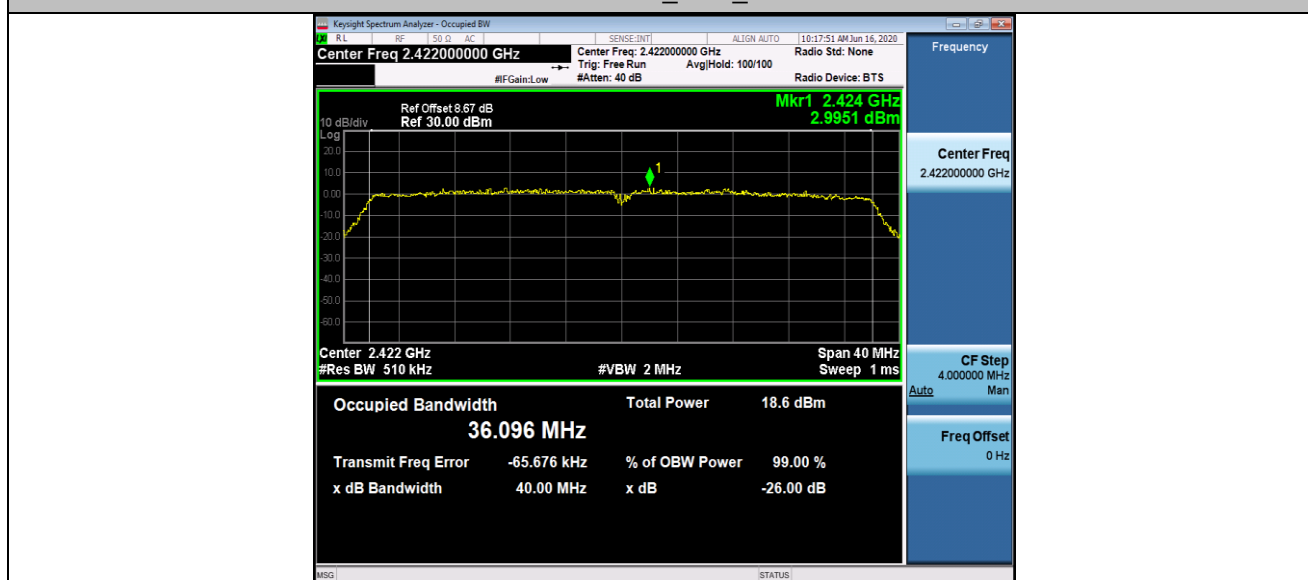
11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



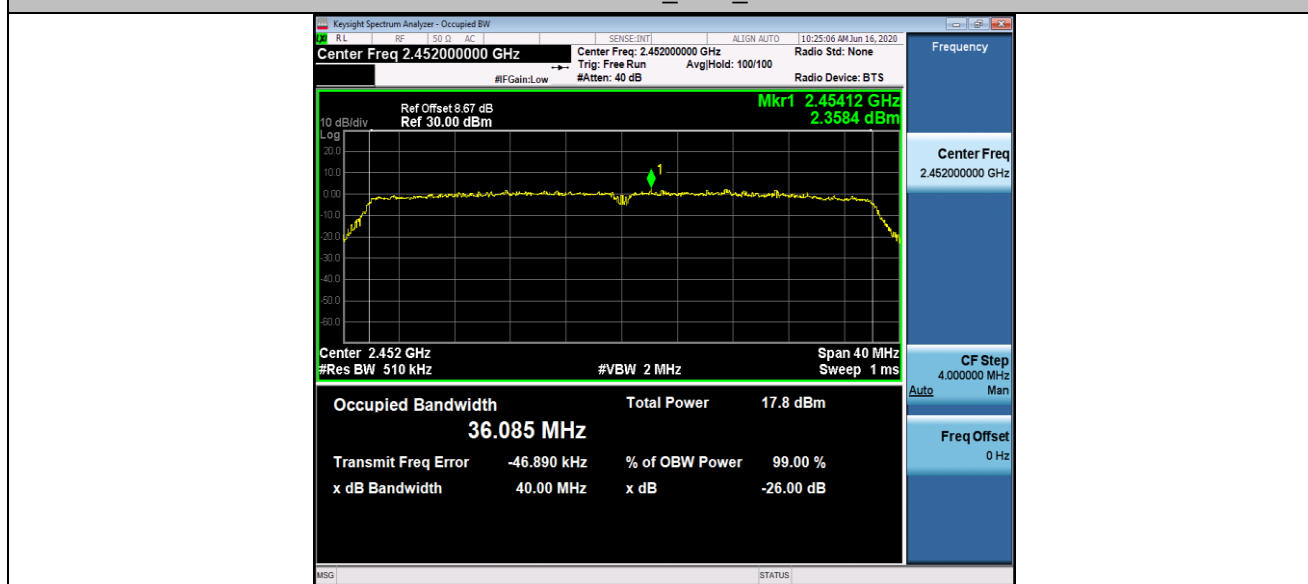
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452



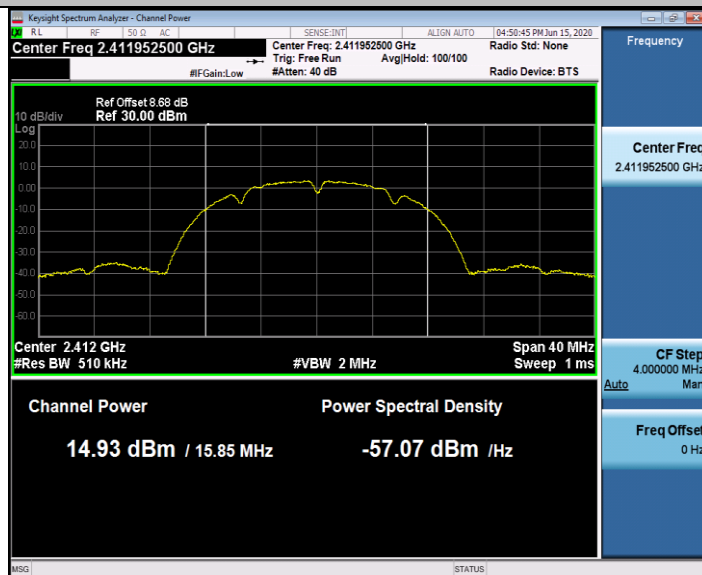
## Appendix C: Maximum conducted output power

### Test Result

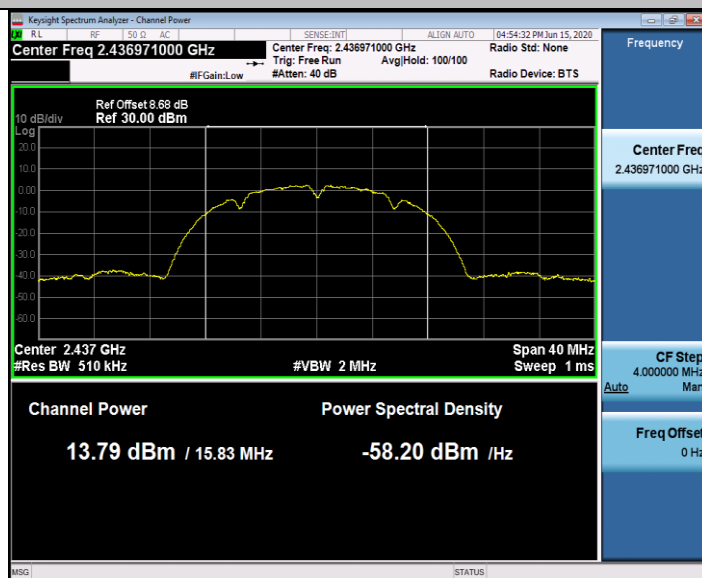
| TestMode  | Antenna | Channel | Result [dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|--------------|------------|---------|
| 11B       | Ant1    | 2412    | 14.93        | <=30       | PASS    |
|           |         | 2437    | 13.79        | <=30       | PASS    |
|           |         | 2462    | 13.82        | <=30       | PASS    |
| 11G       | Ant1    | 2412    | 13.85        | <=30       | PASS    |
|           |         | 2437    | 13.44        | <=30       | PASS    |
|           |         | 2462    | 12.11        | <=30       | PASS    |
| 11N20SISO | Ant1    | 2412    | 12.82        | <=30       | PASS    |
|           |         | 2437    | 12.83        | <=30       | PASS    |
|           |         | 2462    | 11.00        | <=30       | PASS    |
| 11N40SISO | Ant1    | 2422    | 10.94        | <=30       | PASS    |
|           |         | 2437    | 12.46        | <=30       | PASS    |
|           |         | 2452    | 11.72        | <=30       | PASS    |

## Test Graphs

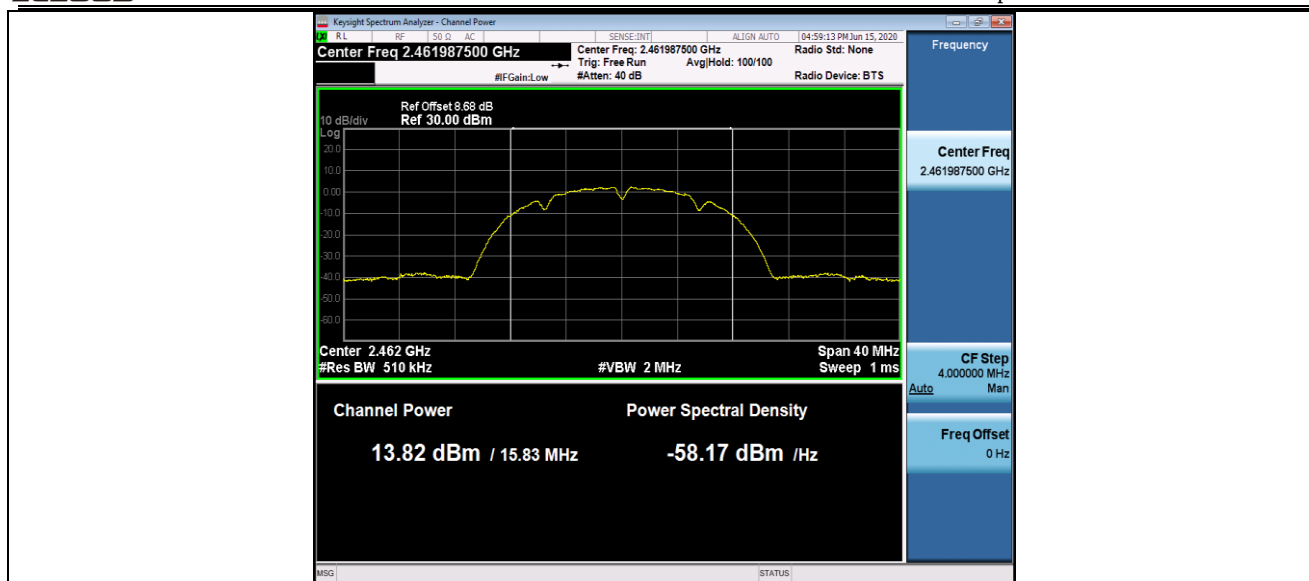
11B\_Ant1\_2412



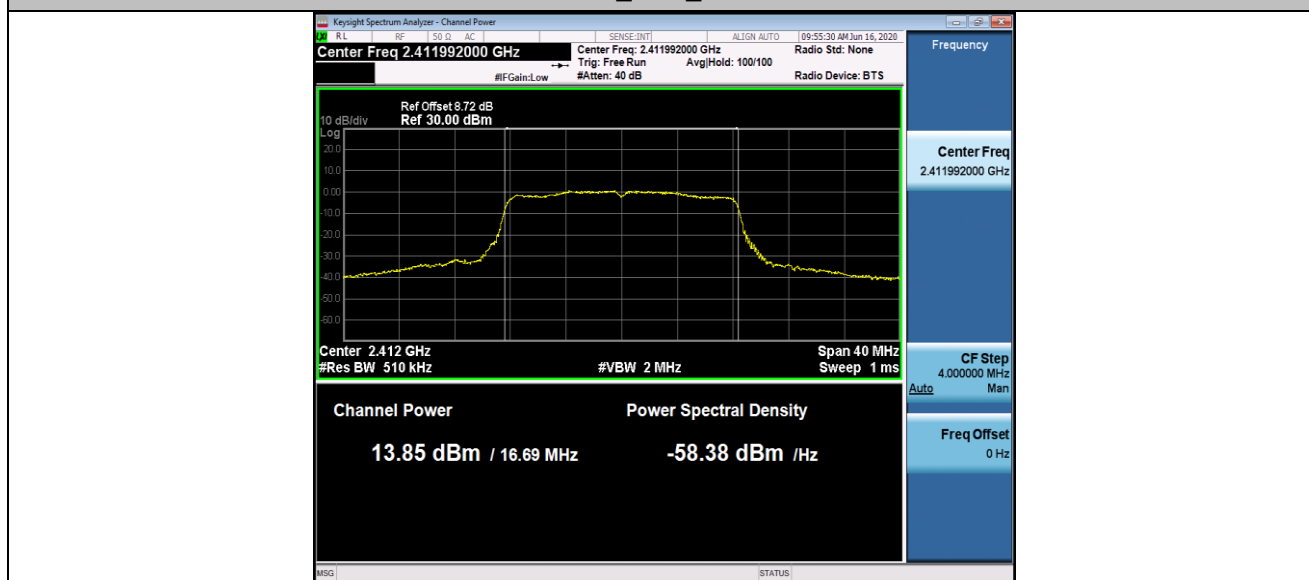
11B\_Ant1\_2437



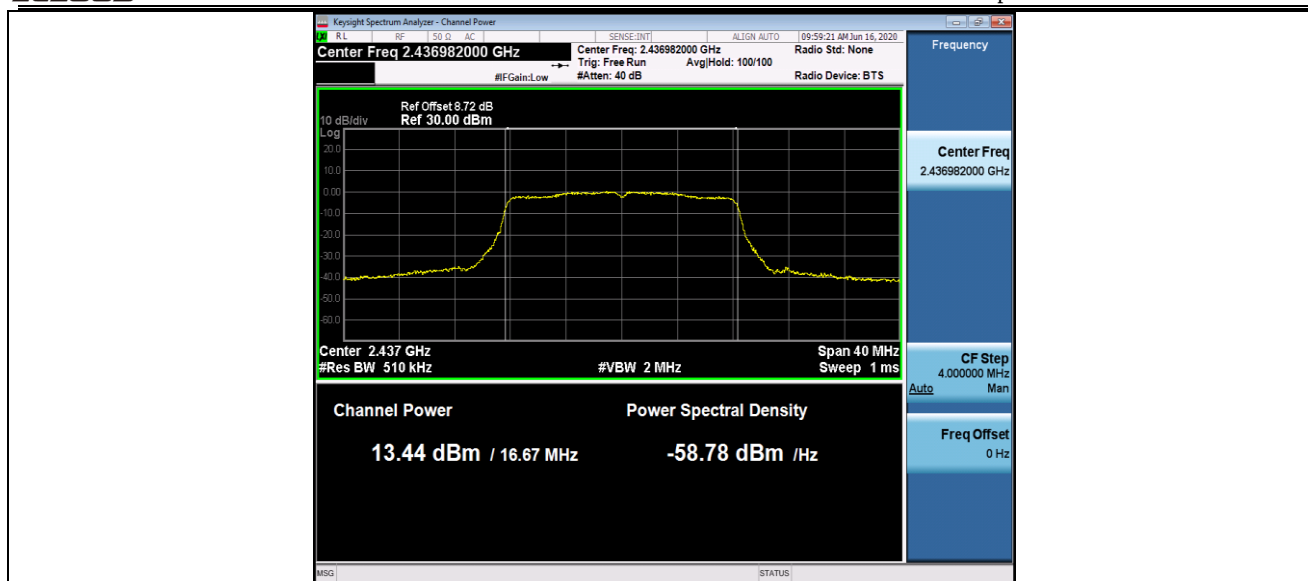
11B\_Ant1\_2462



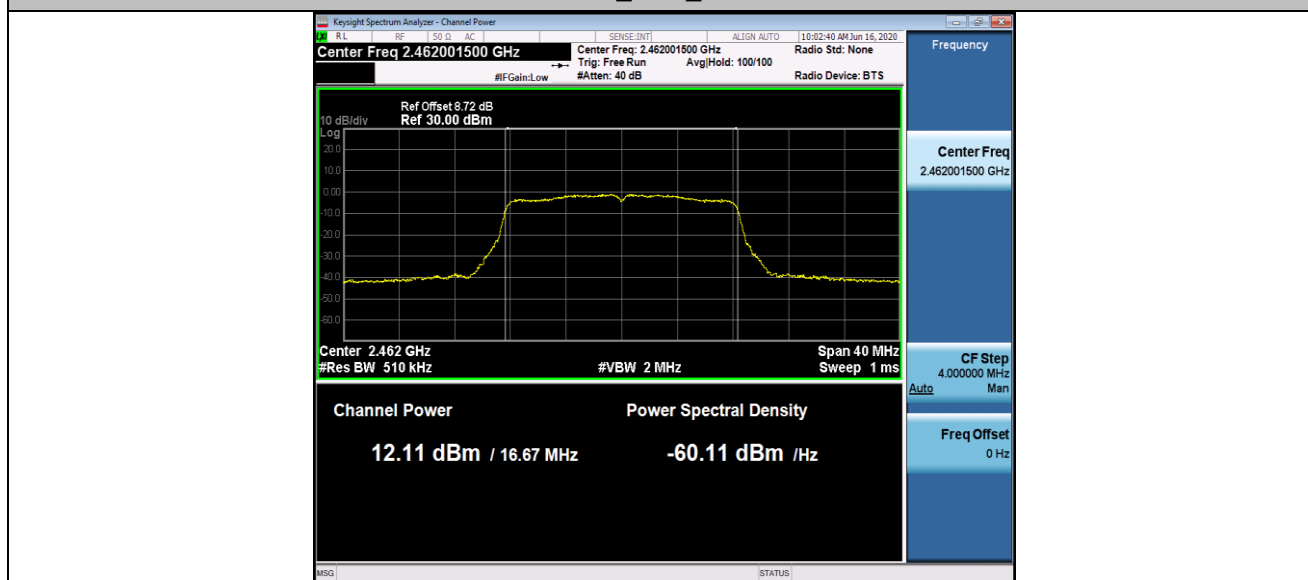
11G\_Ant1\_2412



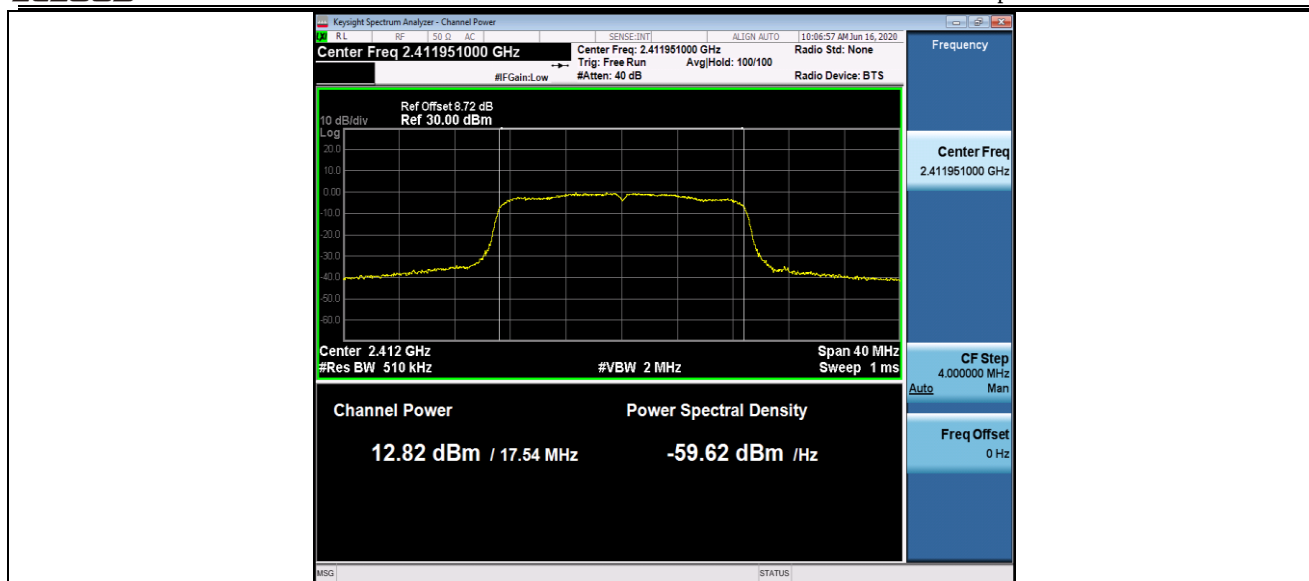
11G\_Ant1\_2437



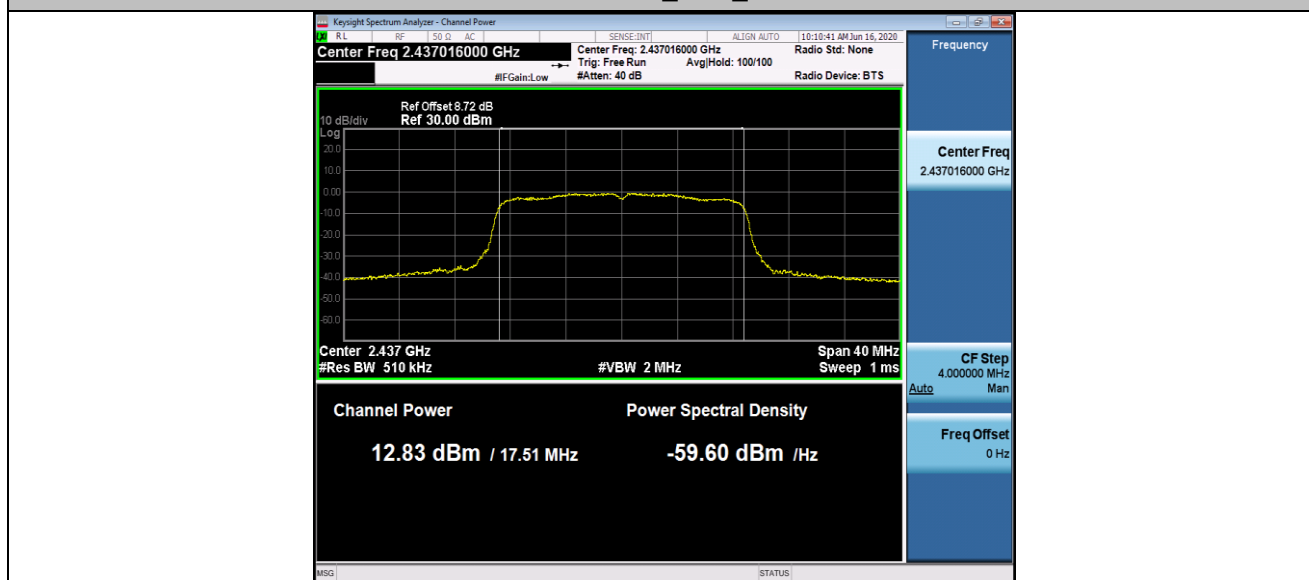
11G\_Ant1\_2462



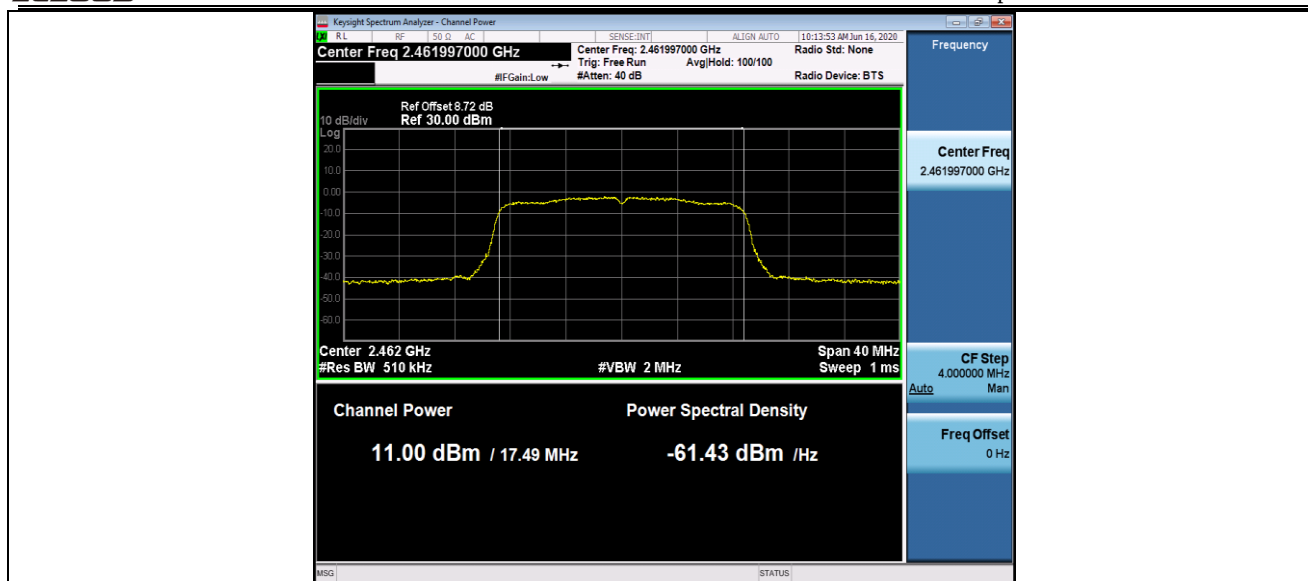
11N20SISO\_Ant1\_2412



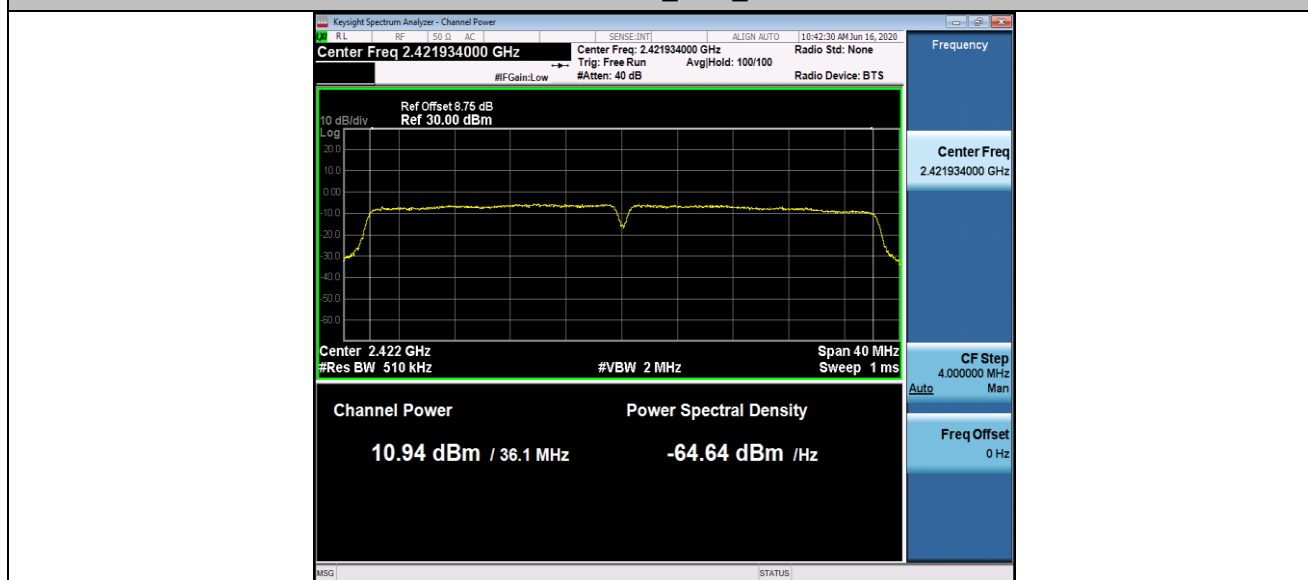
11N20SISO\_Ant1\_2437



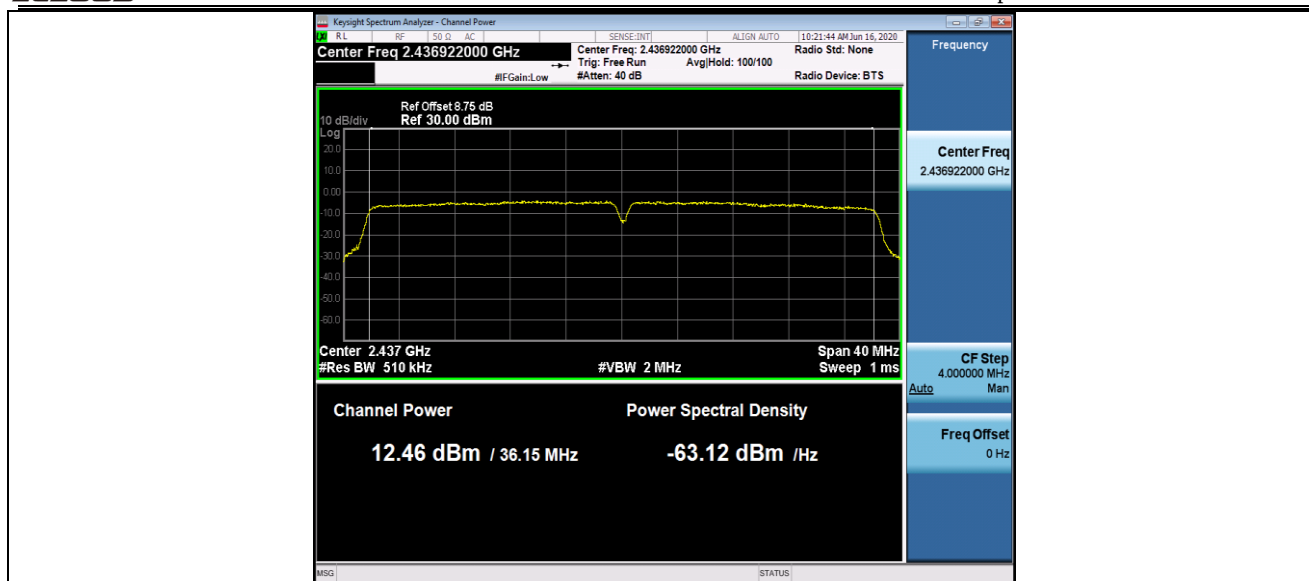
11N20SISO\_Ant1\_2462



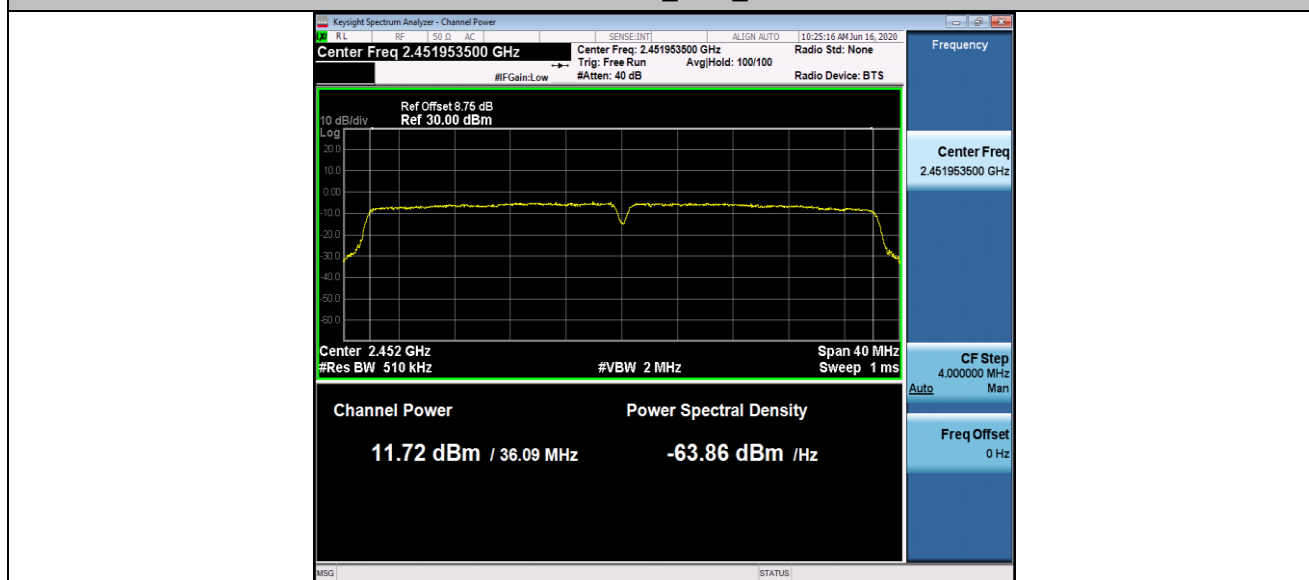
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452



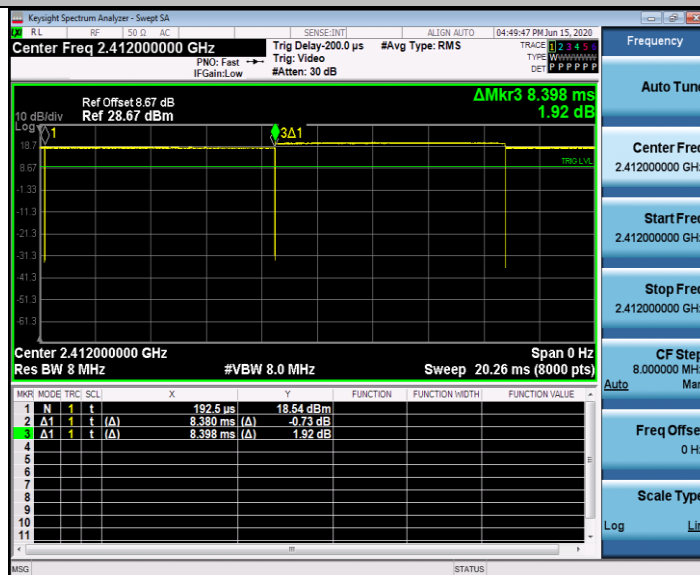
## Appendix D: Duty Cycle

### Test Result

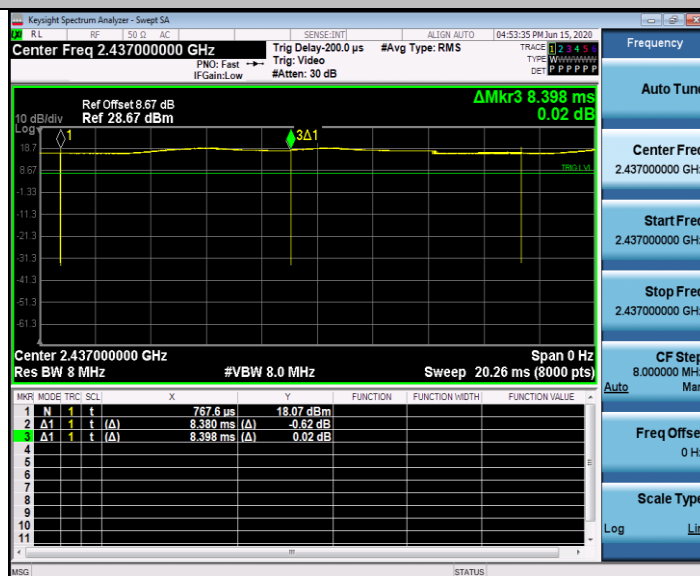
| TestMode  | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|-----------|---------|---------|----------------------------|--------------------------|----------------|
| 11B       | Ant1    | 2412    | 8.38                       | 8.40                     | 99.79          |
|           |         | 2437    | 8.38                       | 8.40                     | 99.79          |
|           |         | 2462    | 8.38                       | 8.40                     | 99.79          |
| 11G       | Ant1    | 2412    | 1.39                       | 1.40                     | 98.92          |
|           |         | 2437    | 1.39                       | 1.40                     | 98.92          |
|           |         | 2462    | 1.39                       | 1.41                     | 98.83          |
| 11N20SISO | Ant1    | 2412    | 1.30                       | 1.31                     | 98.75          |
|           |         | 2437    | 1.30                       | 1.31                     | 98.75          |
|           |         | 2462    | 1.30                       | 1.31                     | 98.75          |
| 11N40SISO | Ant1    | 2422    | 0.65                       | 0.66                     | 98.27          |
|           |         | 2437    | 0.64                       | 0.66                     | 98.26          |
|           |         | 2452    | 0.64                       | 0.66                     | 98.26          |

## Test Graphs

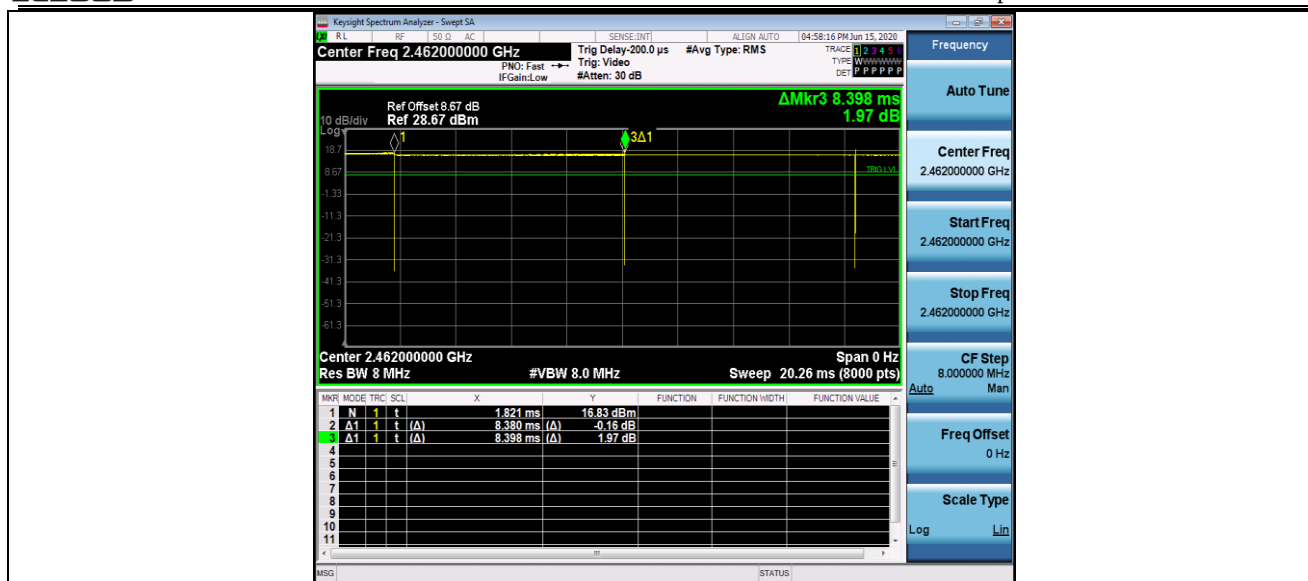
11B\_Ant1\_2412



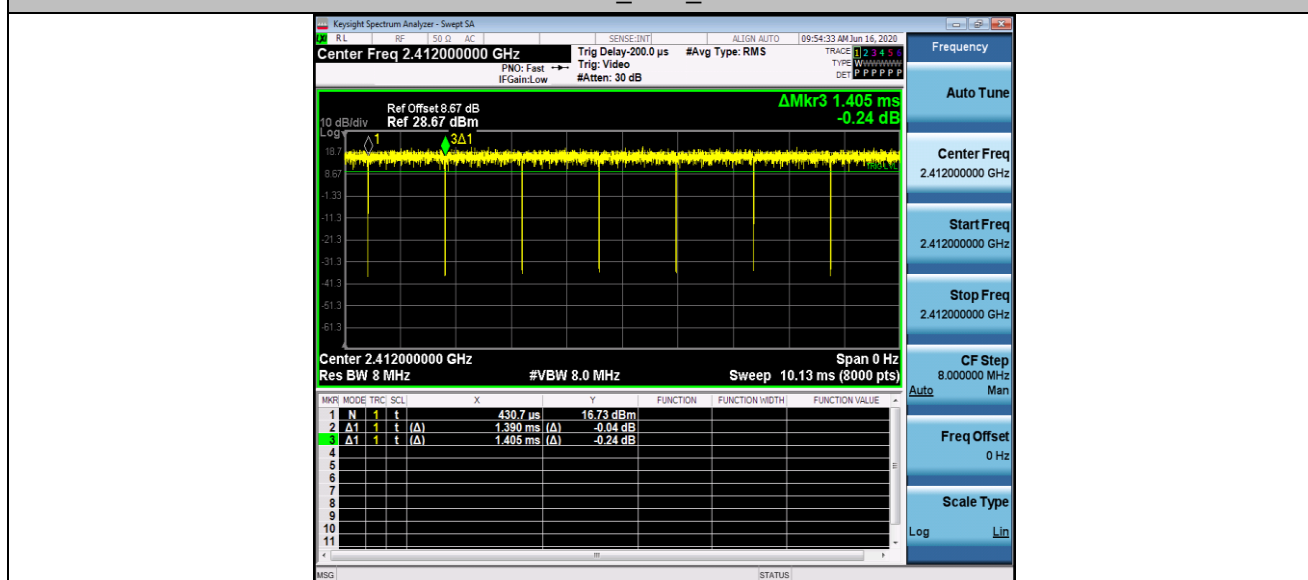
11B\_Ant1\_2437



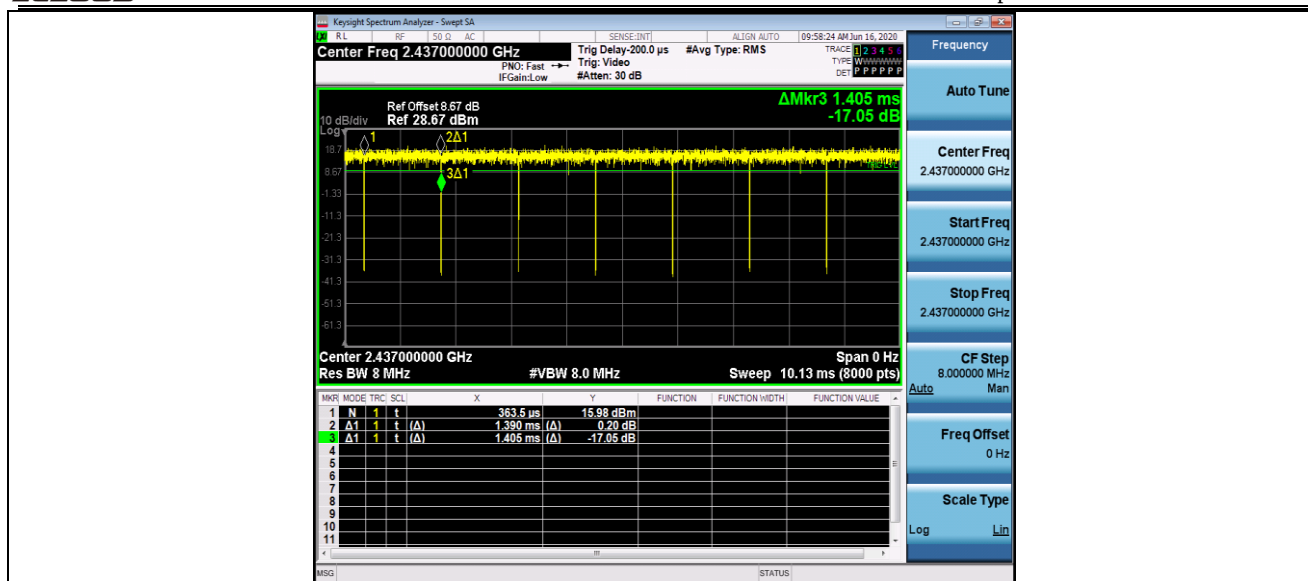
11B\_Ant1\_2462



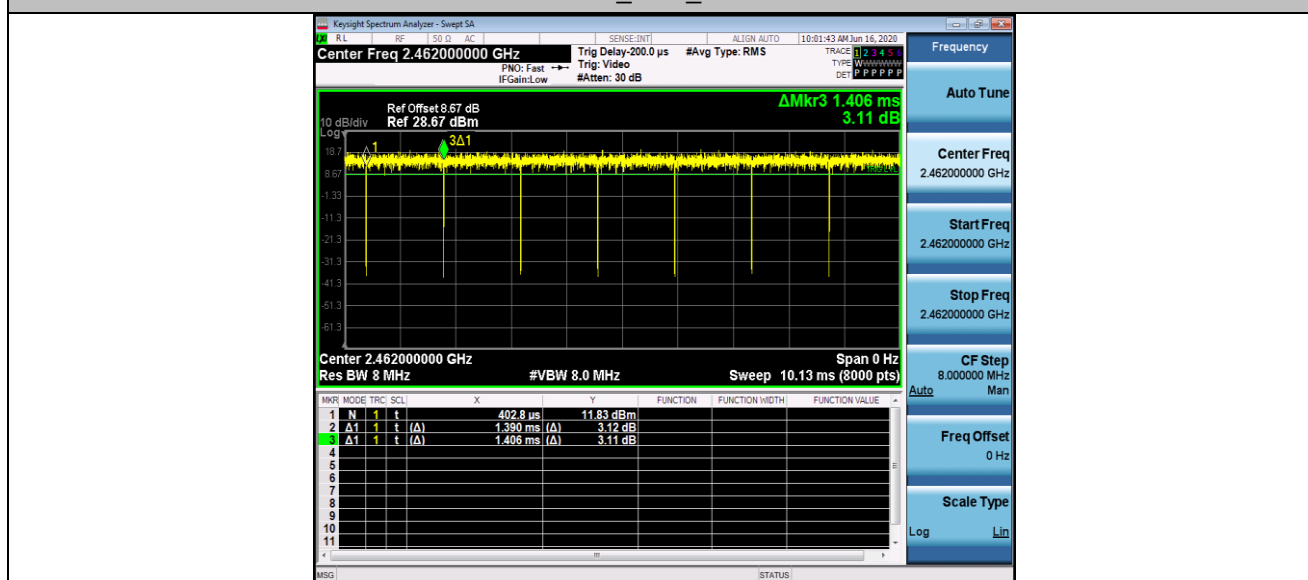
11G\_Ant1\_2412



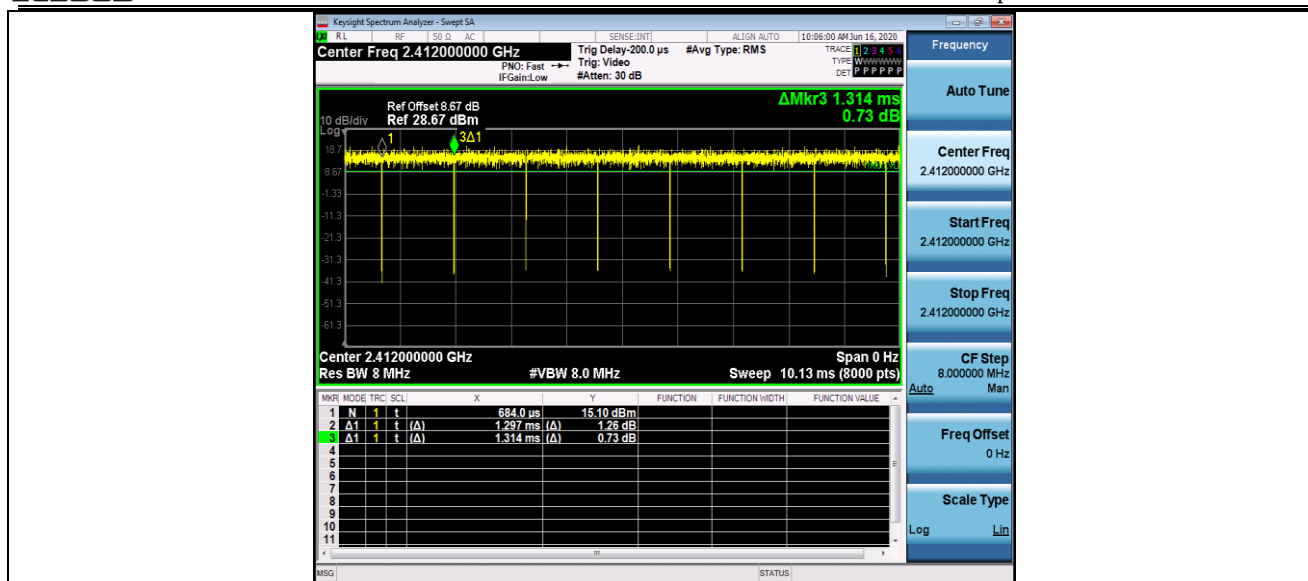
11G\_Ant1\_2437



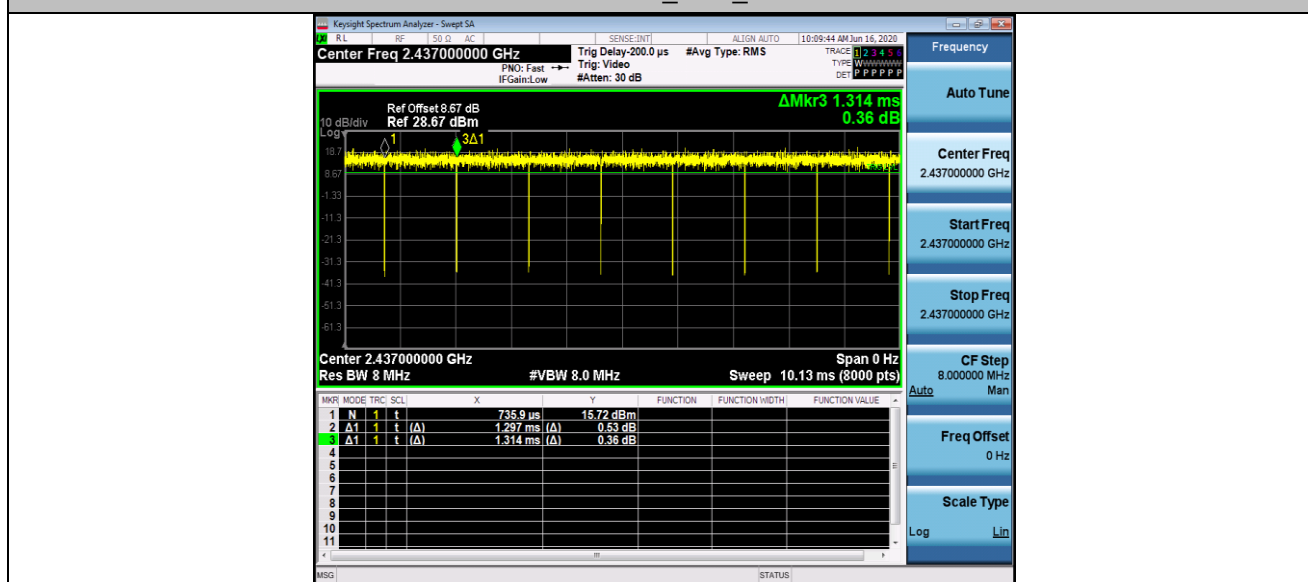
11G\_Ant1\_2462



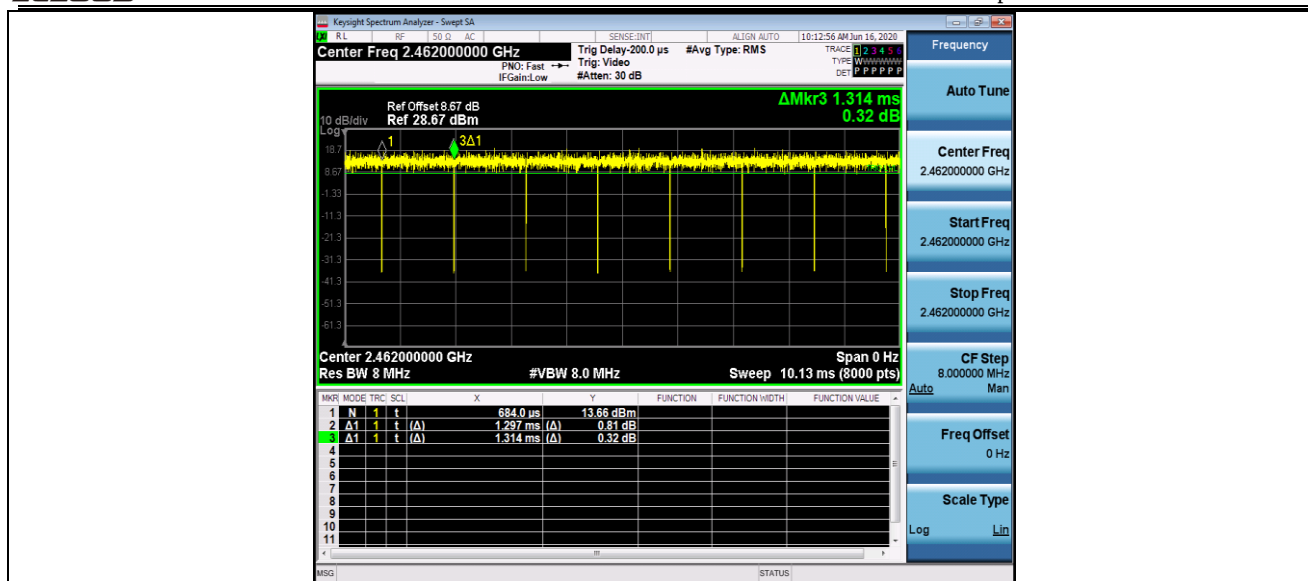
11N20SISO\_Ant1\_2412



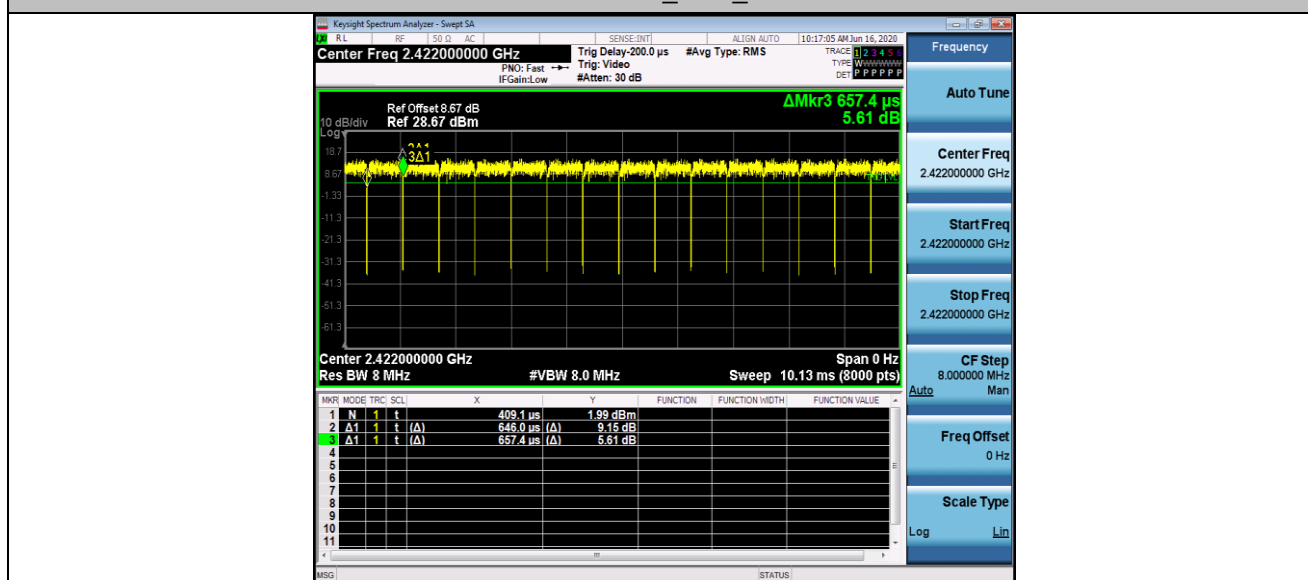
11N20SISO\_Ant1\_2437



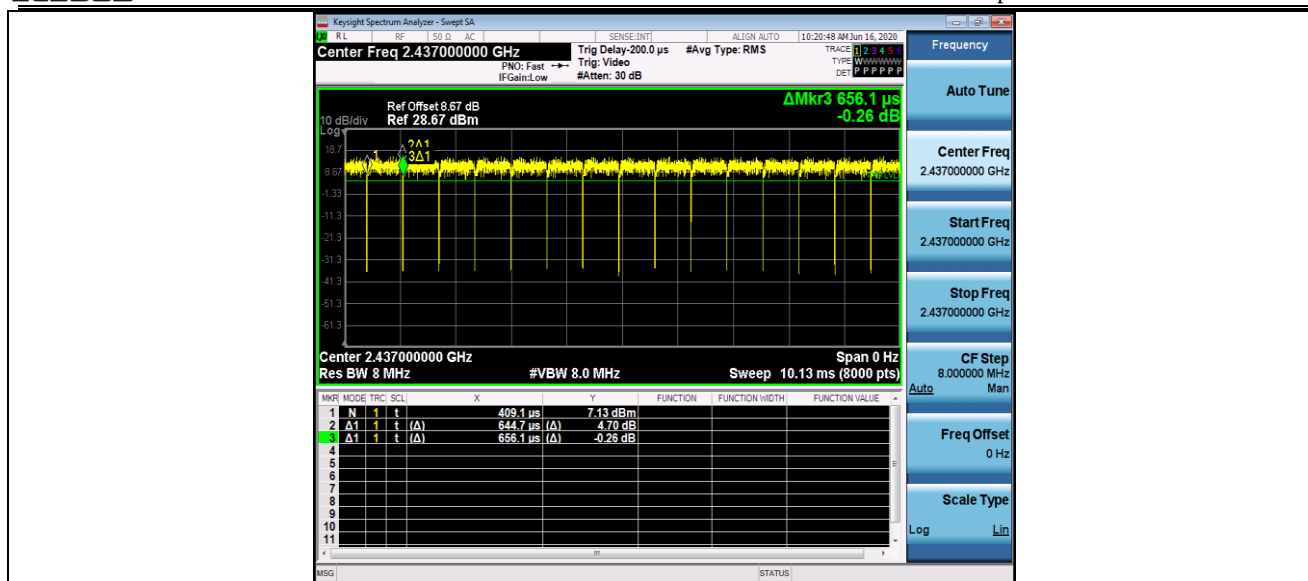
11N20SISO\_Ant1\_2462



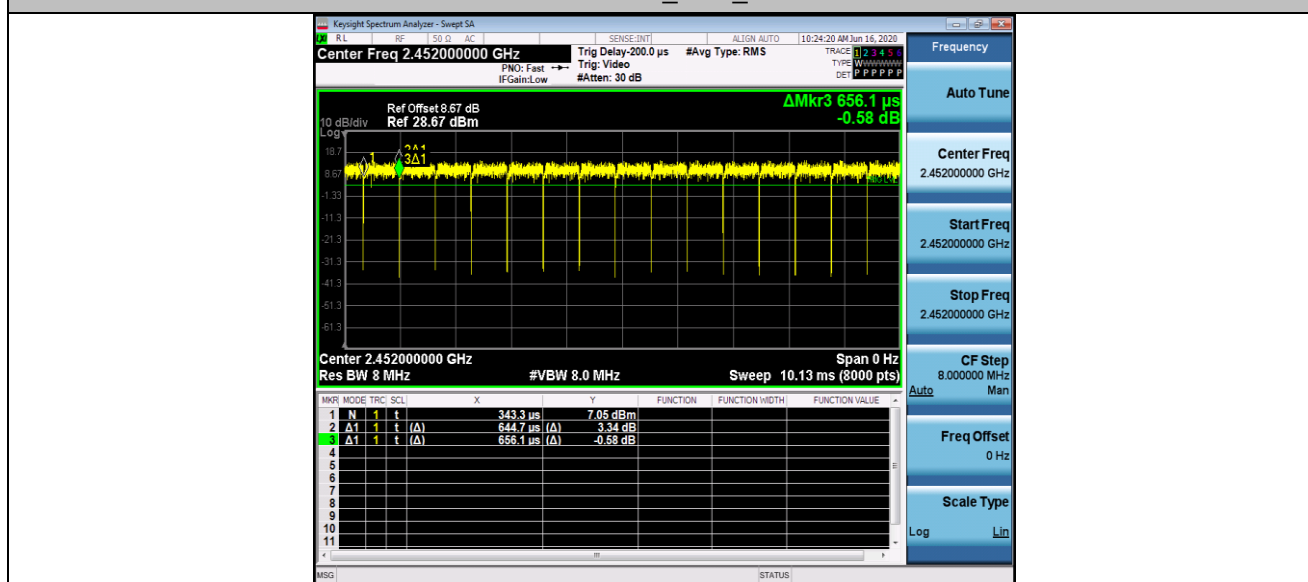
11N40SISO\_Ant1\_2422



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    | -7.53                 | -17.53               | $\leq 8$            | PASS    |
|           |         | 2437    | -8.9                  | -18.9                | $\leq 8$            | PASS    |
|           |         | 2462    | -3.44                 | -13.44               | $\leq 8$            | PASS    |
| 11G       | Ant1    | 2412    | -8.87                 | -18.87               | $\leq 8$            | PASS    |
|           |         | 2437    | -9.79                 | -19.79               | $\leq 8$            | PASS    |
|           |         | 2462    | -10.58                | -20.58               | $\leq 8$            | PASS    |
| 11N20SISO | Ant1    | 2412    | -10.63                | -20.63               | $\leq 8$            | PASS    |
|           |         | 2437    | -10.07                | -20.07               | $\leq 8$            | PASS    |
|           |         | 2462    | -11.99                | -21.99               | $\leq 8$            | PASS    |
| 11N40SISO | Ant1    | 2422    | -14.77                | -24.77               | $\leq 8$            | PASS    |
|           |         | 2437    | -13.48                | -23.48               | $\leq 8$            | PASS    |
|           |         | 2452    | -13.51                | -23.51               | $\leq 8$            | PASS    |

Note:

calculating the RBW=3kHz value:

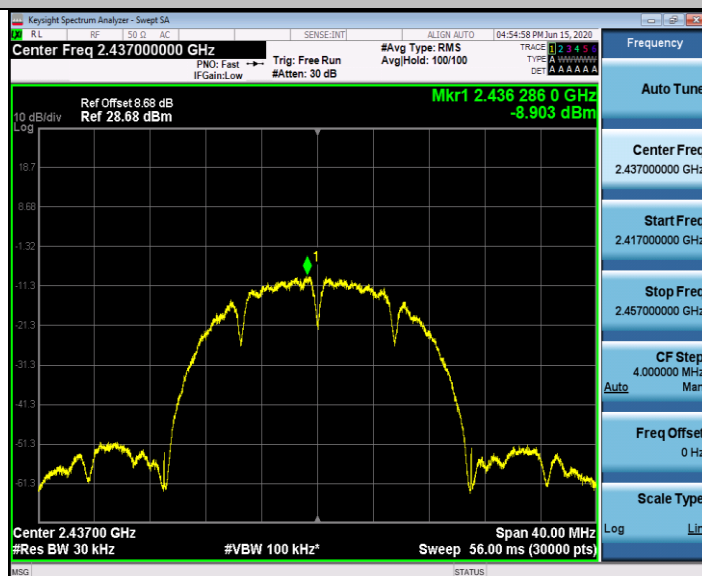
-7.53 (AV.PSD At RBW=30kHz)-10\*log(30/3)=-17.53(AV.PSD At RBW=3kHz)

## Test Graphs

11B\_Ant1\_2412



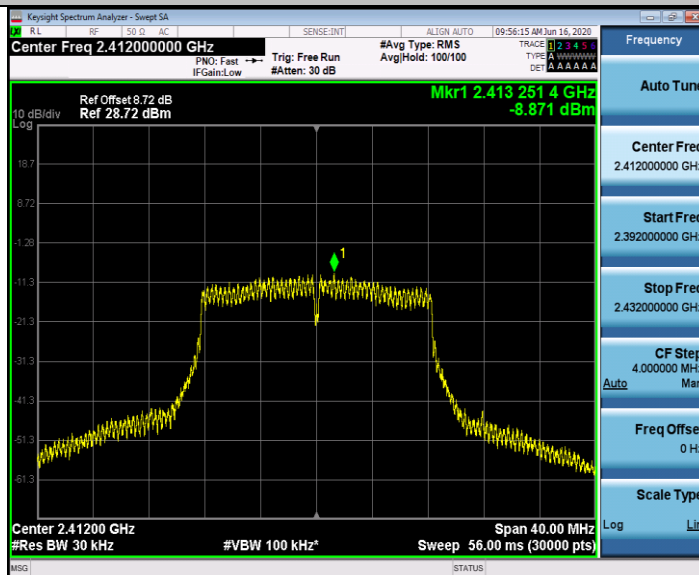
11B\_Ant1\_2437



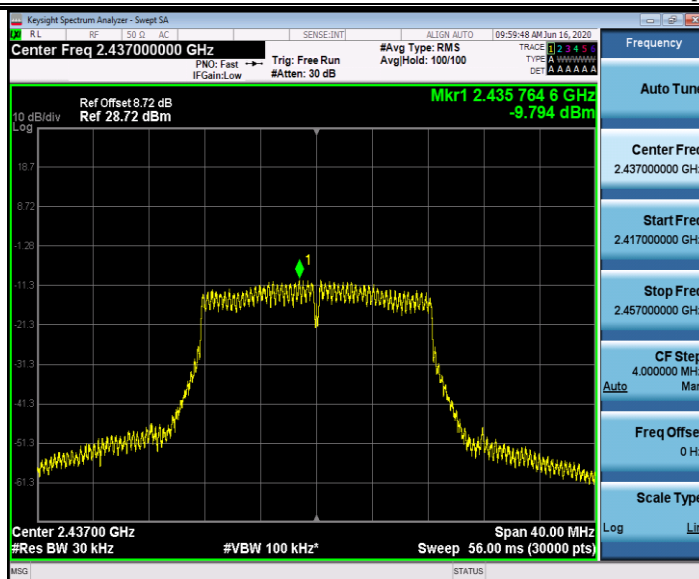
11B\_Ant1\_2462



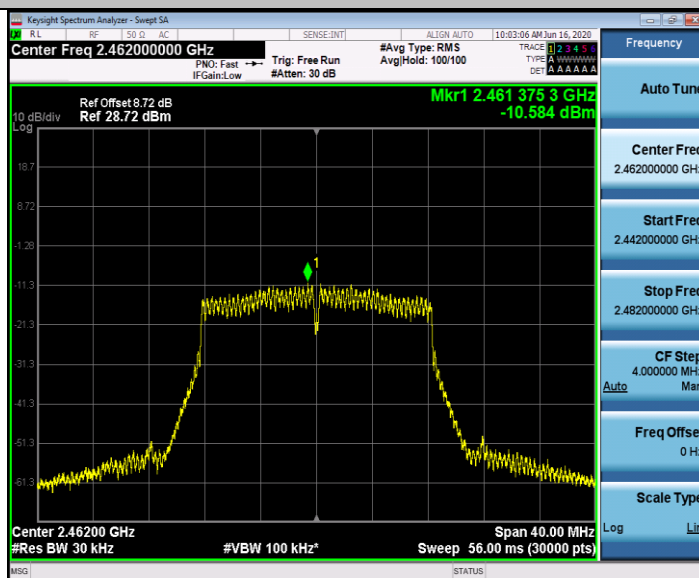
11G\_Ant1\_2412



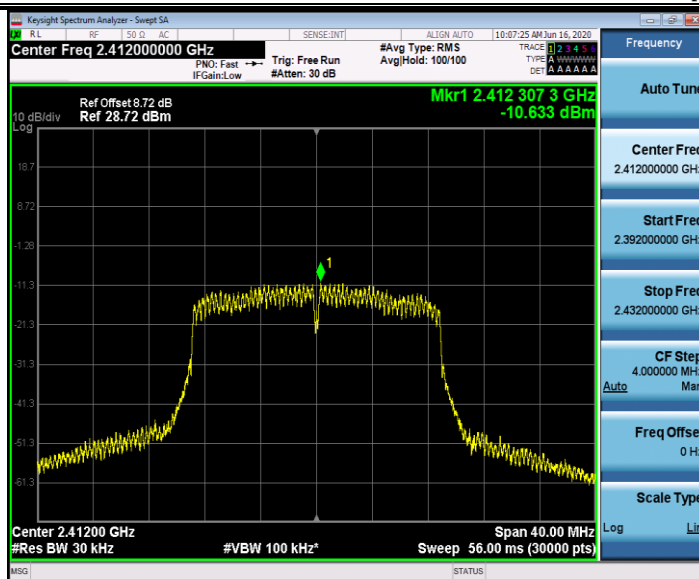
11G\_Ant1\_2437



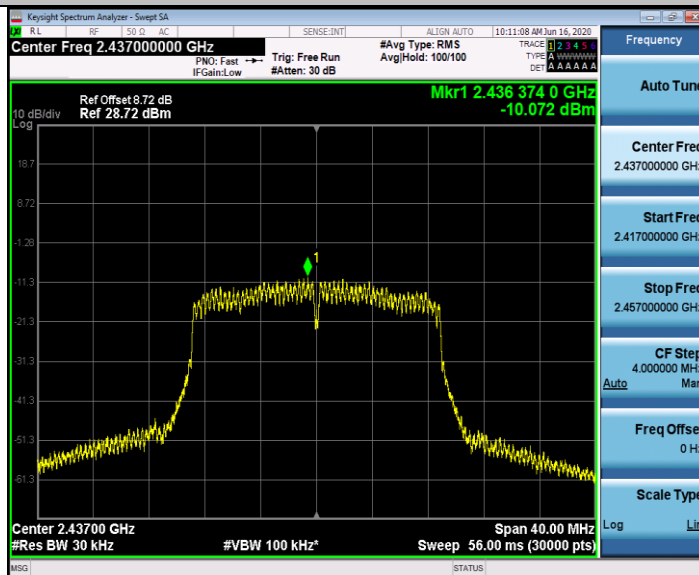
11G\_Ant1\_2462



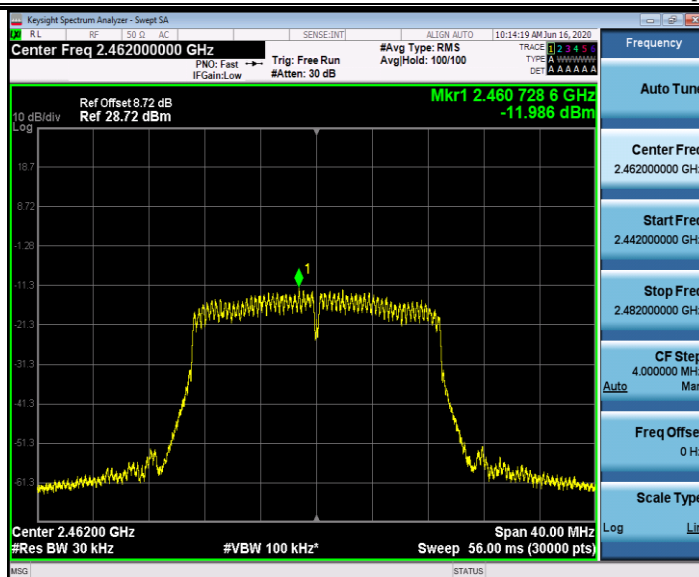
11N20SISO\_Ant1\_2412



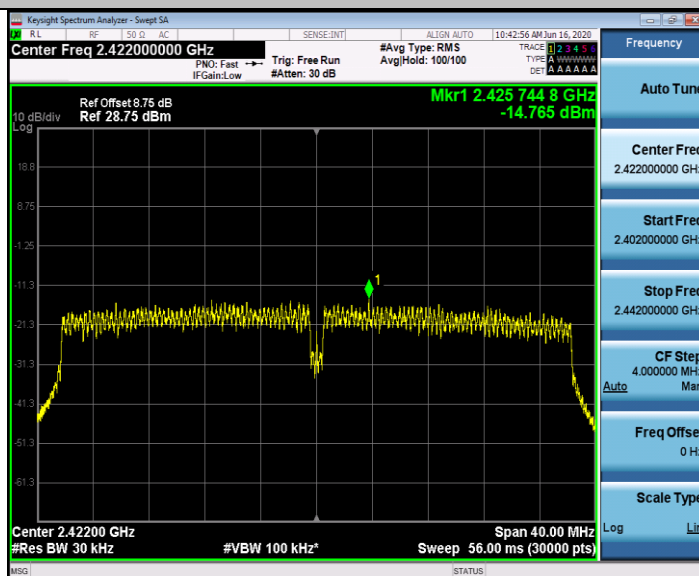
11N20SISO\_Ant1\_2437



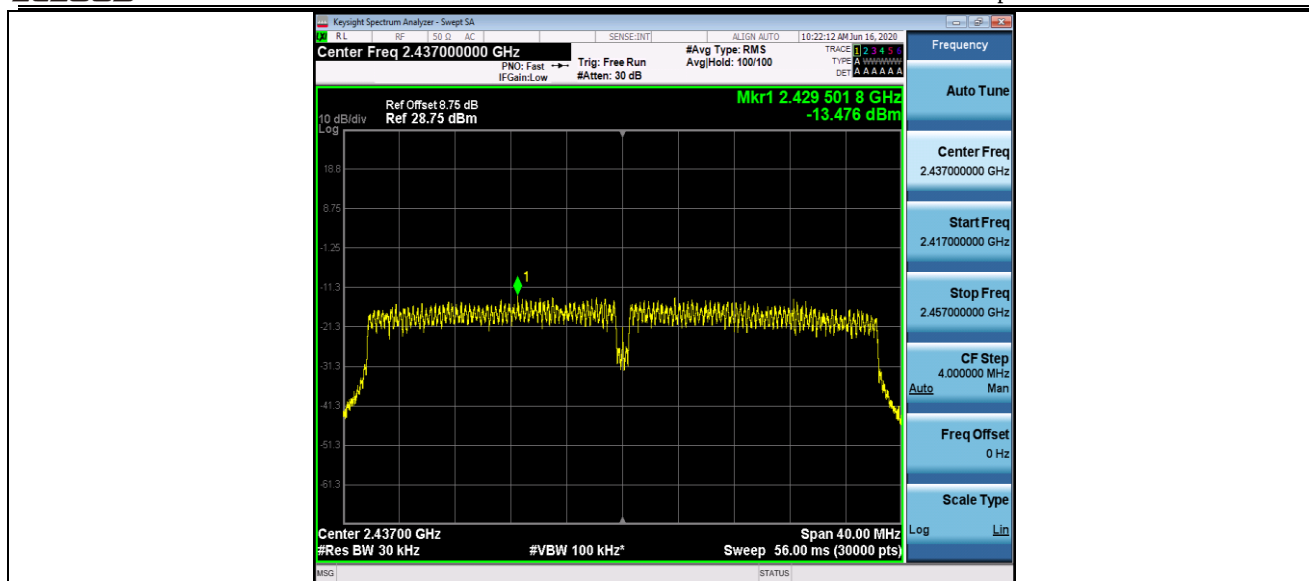
11N20SISO\_Ant1\_2462



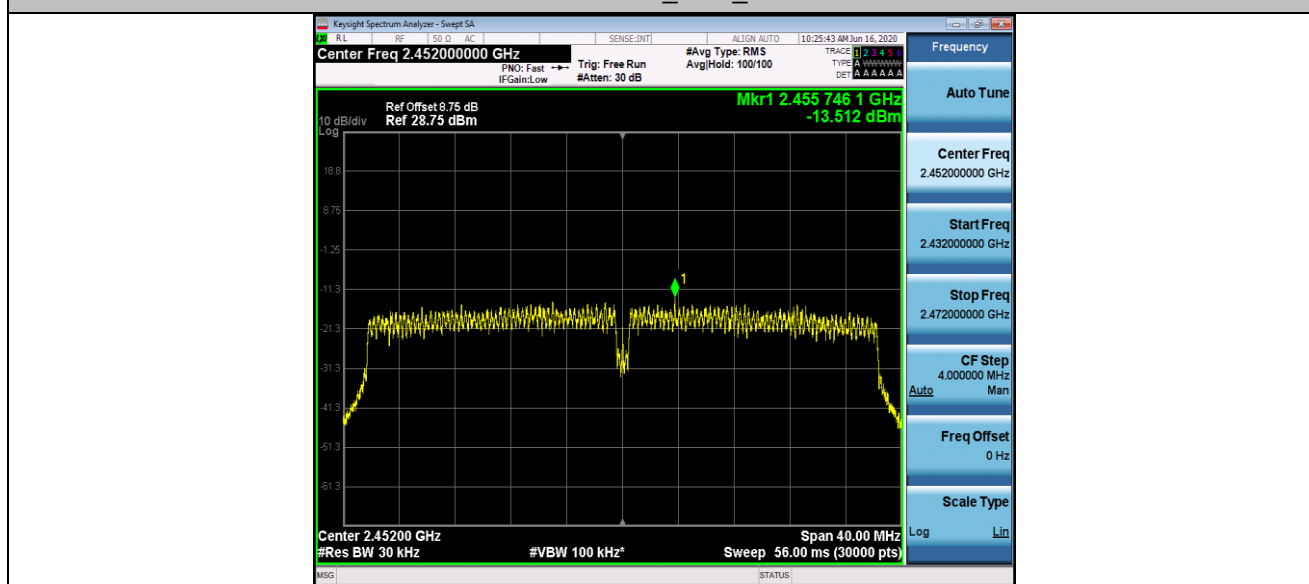
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



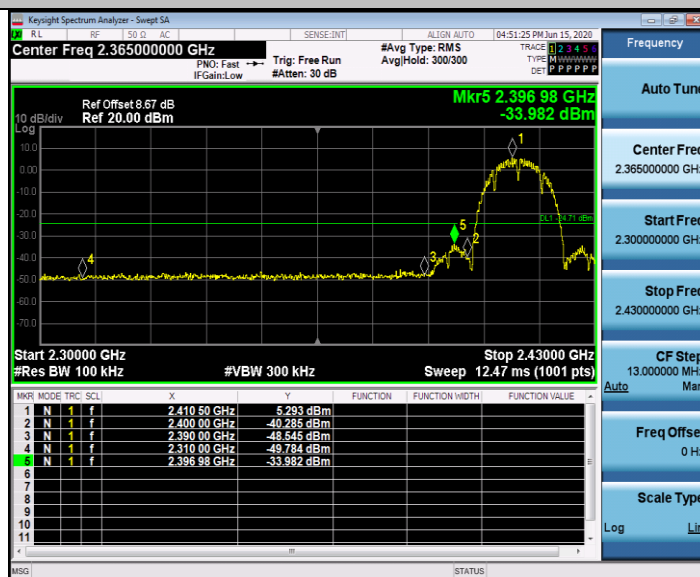
## Appendix F: Band edge measurements

### Test Result

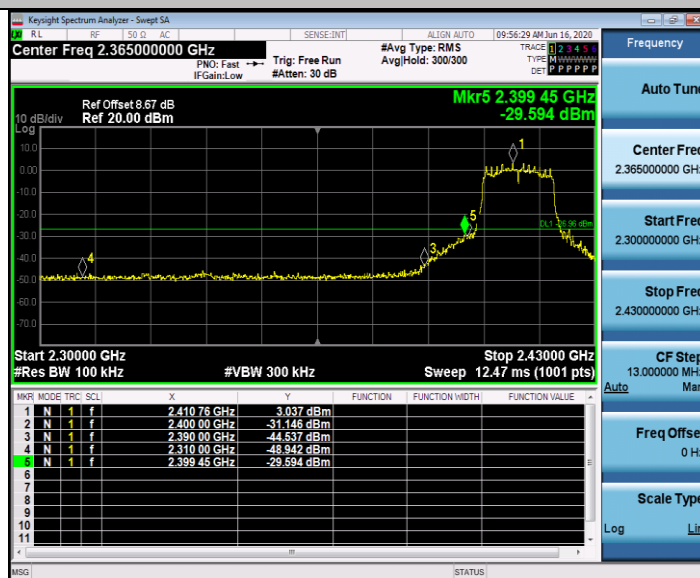
| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412    | 5.29          | -33.98      | <=-24.71   | PASS    |
|           |         | High   | 2462    | 3.04          | -29.59      | <=-26.96   | PASS    |
| 11G       | Ant1    | Low    | 2412    | 1.90          | -45.16      | <=-28.11   | PASS    |
|           |         | High   | 2462    | 2.86          | -32.85      | <=-27.14   | PASS    |
| 11N20SISO | Ant1    | Low    | 2412    | 0.61          | -45.97      | <=-29.39   | PASS    |
|           |         | High   | 2462    | -2.70         | -33.45      | <=-32.7    | PASS    |
| 11N40SISO | Ant1    | Low    | 2422    | -2.10         | -37.75      | <=-32.1    | PASS    |
|           |         | High   | 2452    | 5.29          | -33.98      | <=-24.71   | PASS    |

## Test Graphs

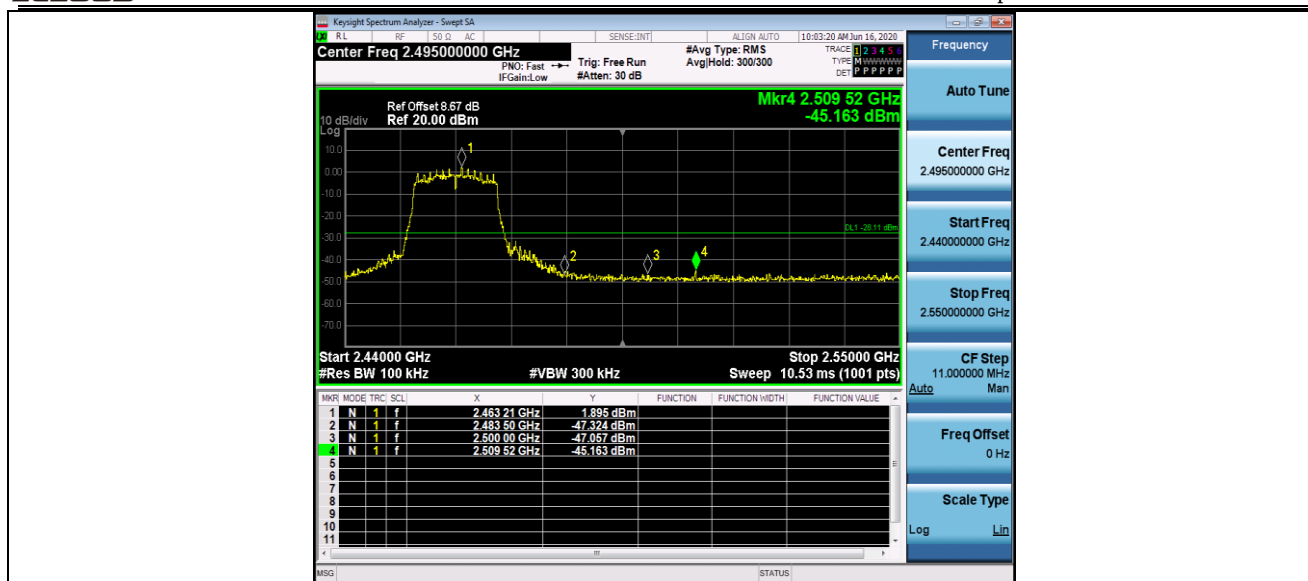
11B\_Ant1\_Low\_2412



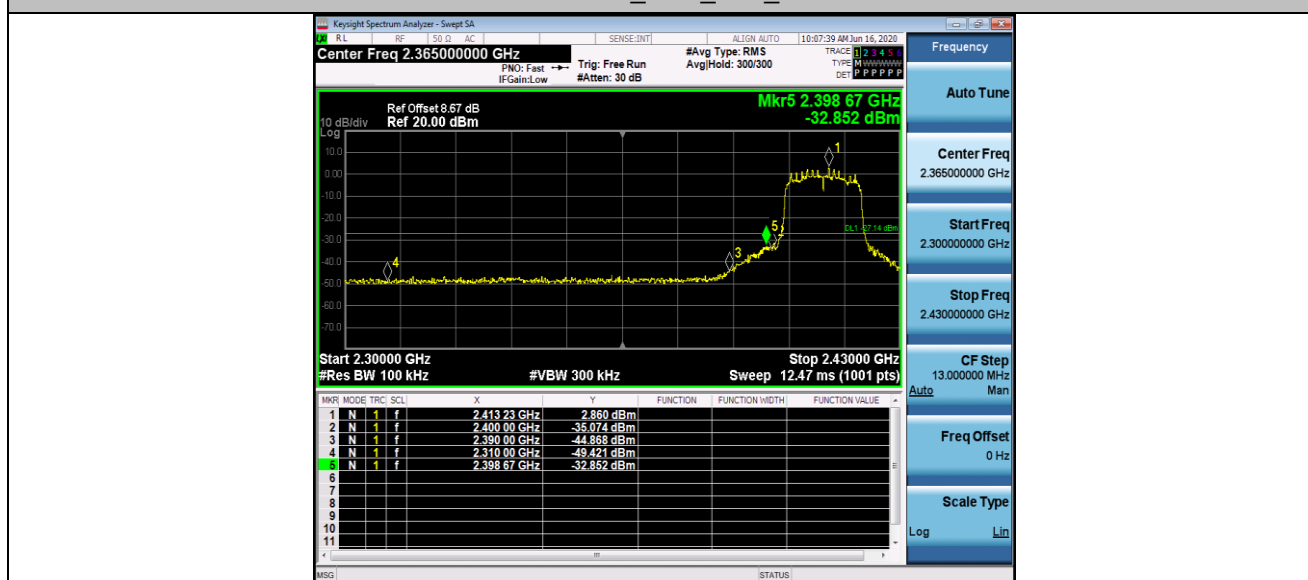
11G\_Ant1\_Low\_2412



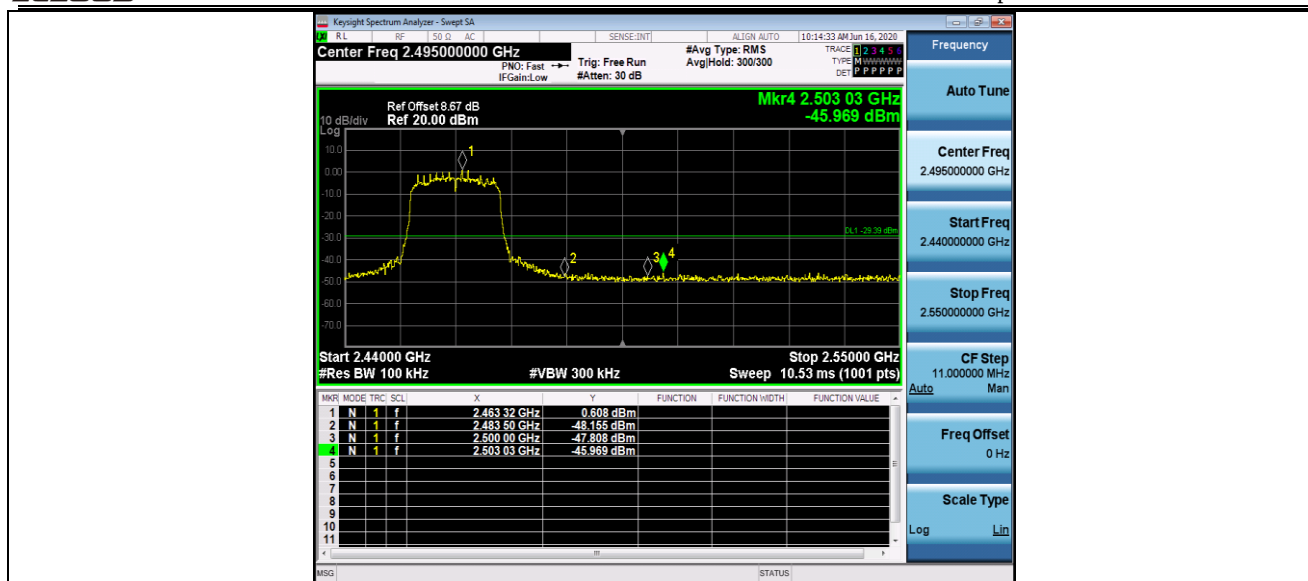
11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



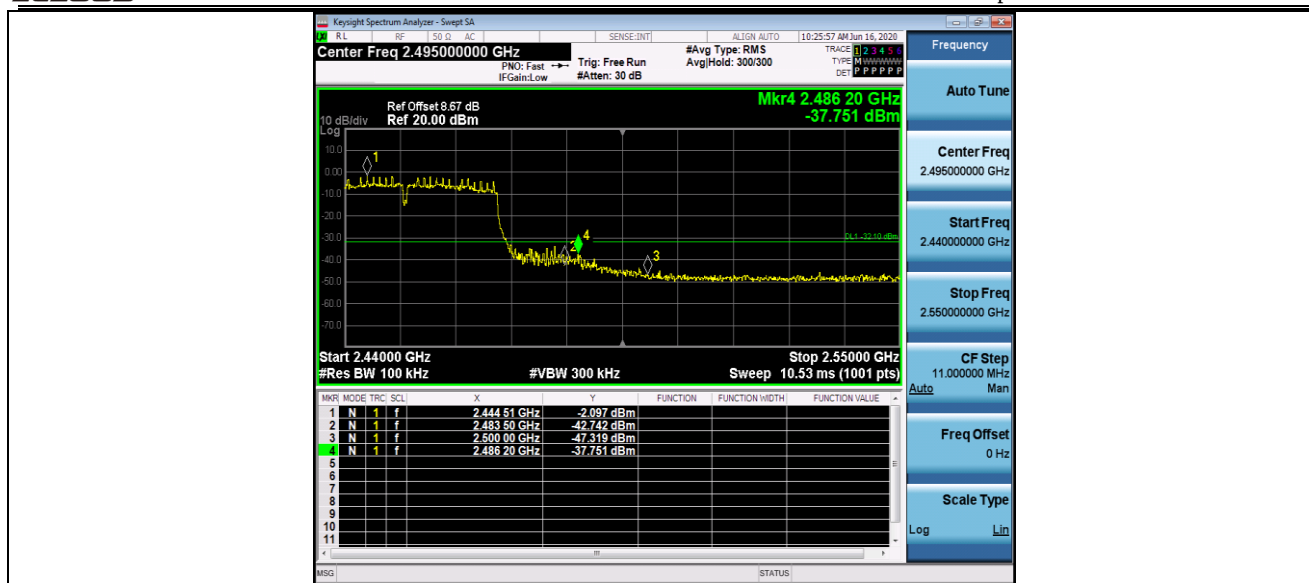
11N20SISO\_Ant1\_High\_2462



11N40SISO\_Ant1\_Low\_2422



11N40SISO\_Ant1\_High\_2452



## Appendix G: 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          | 5.10              | 5.10            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -57.428         | <=-24.903      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -36.499         | <=-24.903      | PASS    |
|           |         | 2437    | Reference          | 3.92              | 3.92            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -56.409         | <=-26.085      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -38.061         | <=-26.085      | PASS    |
|           |         | 2462    | Reference          | 4.44              | 4.44            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -57.431         | <=-25.560      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -37.412         | <=-25.560      | PASS    |
| 11G       | Ant1    | 2412    | Reference          | 2.84              | 2.84            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -57.098         | <=-27.159      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -31.054         | <=-27.159      | PASS    |
|           |         | 2437    | Reference          | 2.03              | 2.03            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -57.613         | <=-27.975      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -37.793         | <=-27.975      | PASS    |
|           |         | 2462    | Reference          | 0.96              | 0.96            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -57.736         | <=-29.038      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -37.725         | <=-29.038      | PASS    |
| 11N20SISO | Ant1    | 2412    | Reference          | 1.88              | 1.88            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -57.352         | <=-28.116      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -34.639         | <=-28.116      | PASS    |
|           |         | 2437    | Reference          | 1.36              | 1.36            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -57.747         | <=-28.643      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -38.607         | <=-28.643      | PASS    |
|           |         | 2462    | Reference          | 0.51              | 0.51            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -57.588         | <=-29.492      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -37.811         | <=-29.492      | PASS    |
| 11N40SISO | Ant1    | 2422    | Reference          | -1.20             | -1.20           | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -56.628         | <=-31.196      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -31.858         | <=-31.196      | PASS    |

|  |  |      |            |            |         |           |      |
|--|--|------|------------|------------|---------|-----------|------|
|  |  | 2437 | Reference  | -1.48      | -1.48   | ---       | PASS |
|  |  |      | 30~1000    | 30~1000    | -57.422 | <=-31.475 | PASS |
|  |  |      | 1000~26500 | 1000~26500 | -37.668 | <=-31.475 | PASS |
|  |  | 2452 | Reference  | -2.10      | -2.10   | ---       | PASS |
|  |  |      | 30~1000    | 30~1000    | -57.653 | <=-32.103 | PASS |
|  |  |      | 1000~26500 | 1000~26500 | -37.933 | <=-32.103 | PASS |