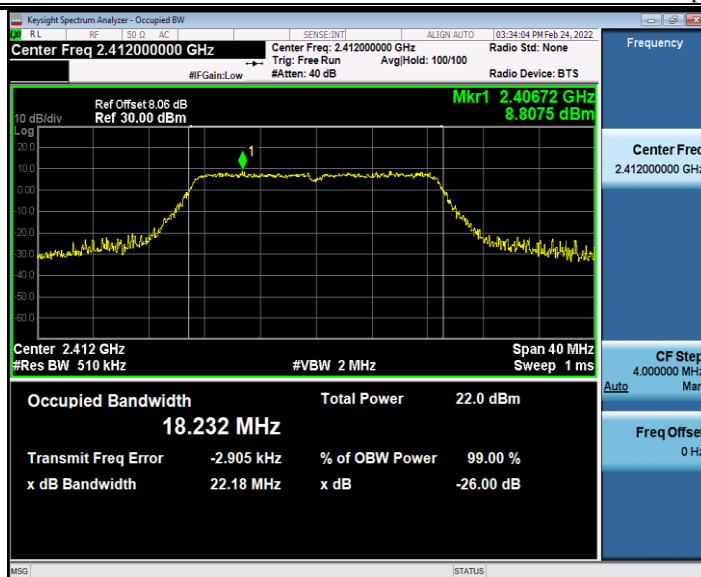
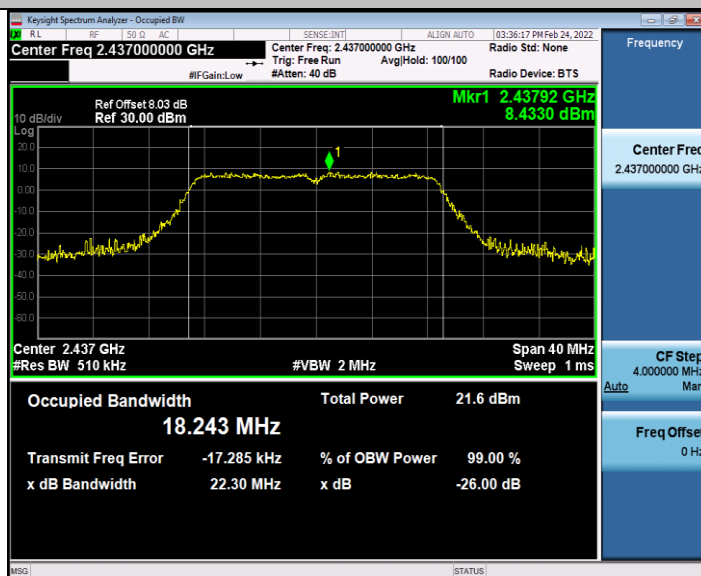
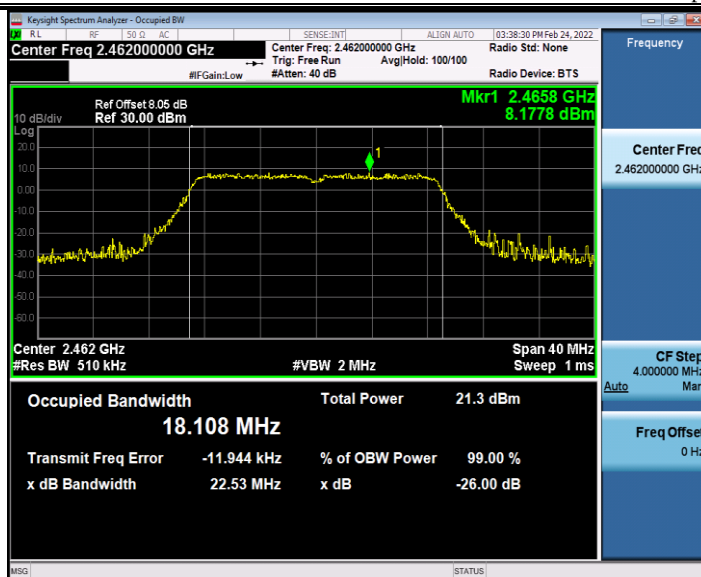




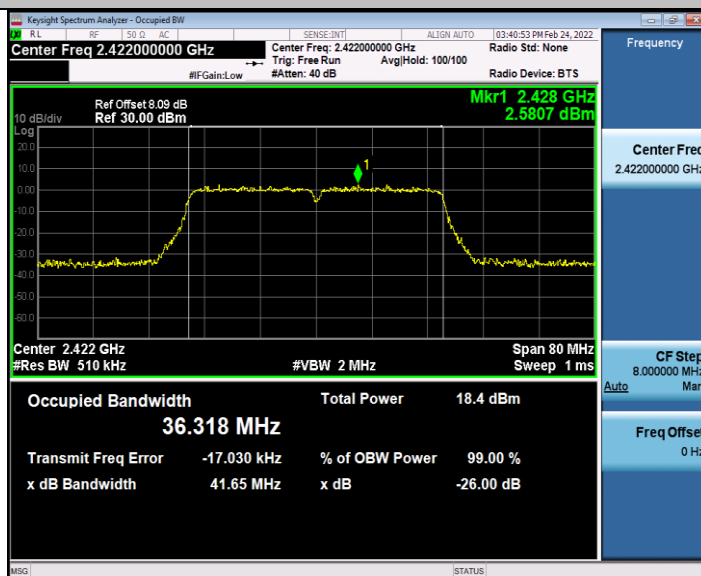
11N20SISO\_Ant1\_2437



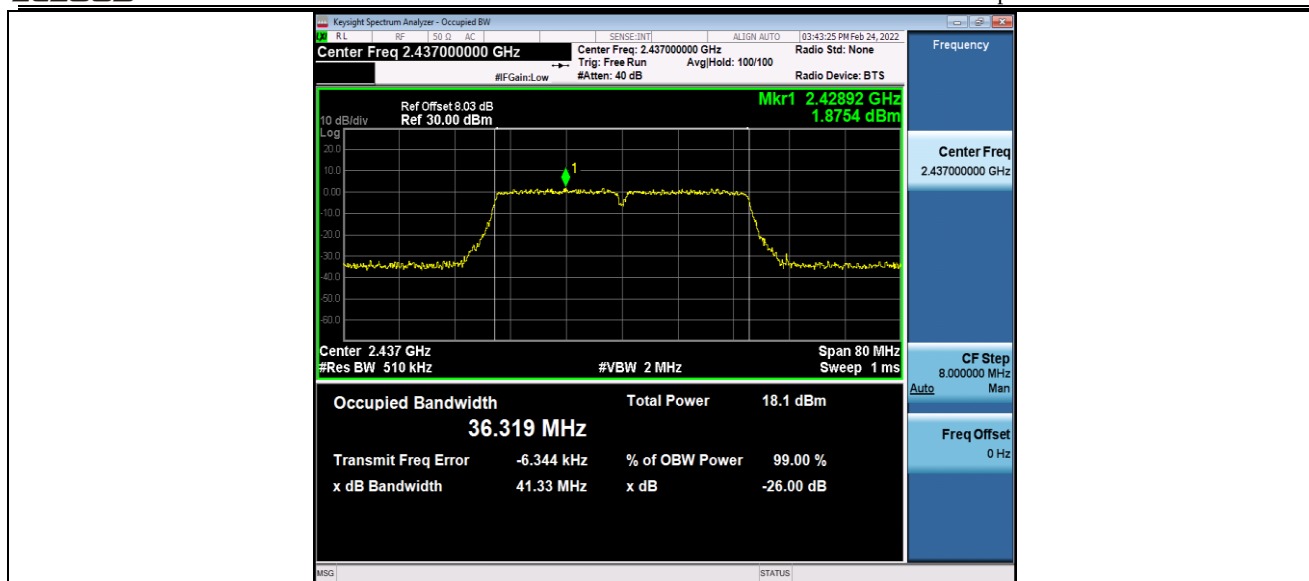
11N20SISO\_Ant1\_2462



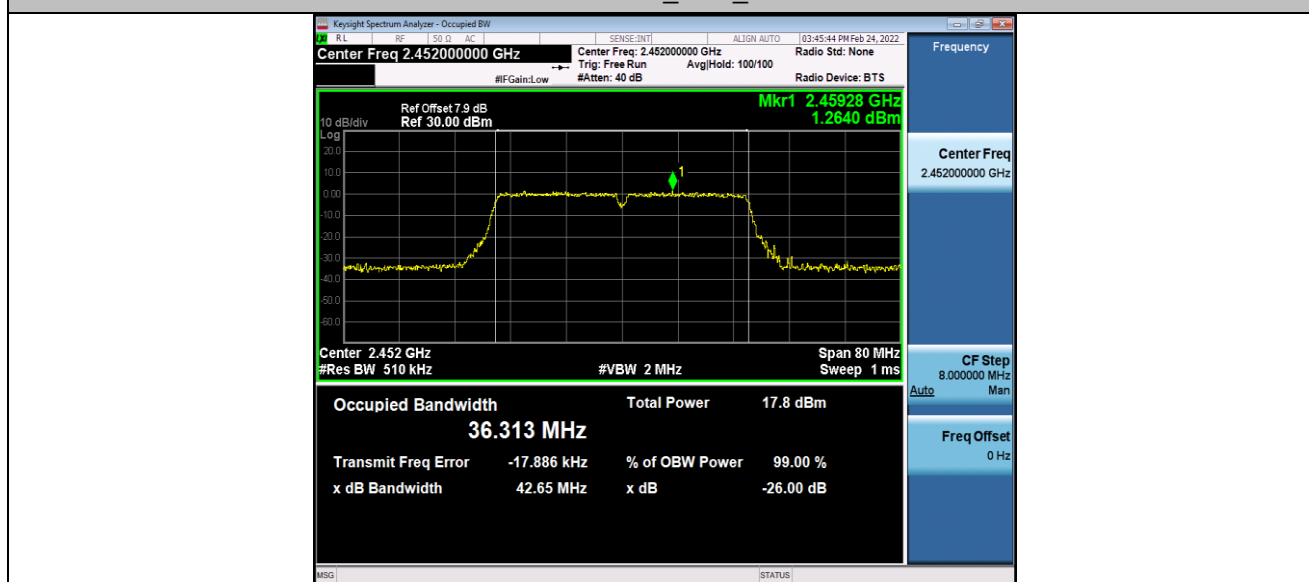
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452



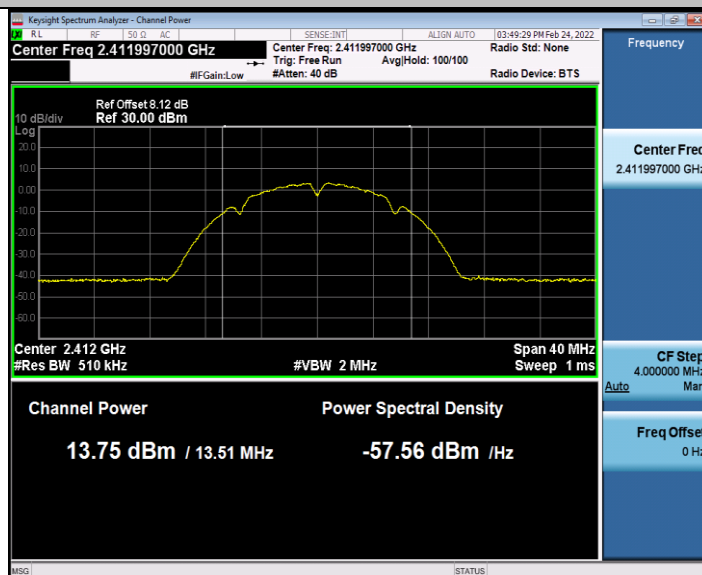
## Appendix C: Maximum conducted output power & E.I.R.P.

### Test Result

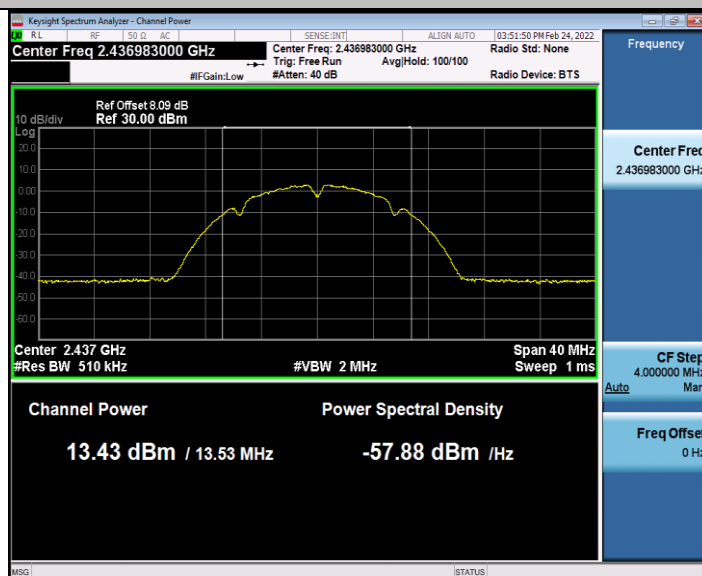
| TestMode  | Antenna | Channel | Result[dBm] | Limit[dBm] | Antenna Gain(dBi) | EIRP [dBm] | EIRP Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|-------------------|------------|-----------------|---------|
| 11B       | Ant1    | 2412    | 13.75       | <=30       | 2                 | 15.75      | 36.02           | PASS    |
|           |         | 2437    | 13.43       | <=30       | 2                 | 15.43      | 36.02           | PASS    |
|           |         | 2462    | 14.22       | <=30       | 2                 | 16.22      | 36.02           | PASS    |
| 11G       | Ant1    | 2412    | 14.66       | <=30       | 2                 | 16.66      | 36.02           | PASS    |
|           |         | 2437    | 14.27       | <=30       | 2                 | 16.27      | 36.02           | PASS    |
|           |         | 2462    | 14.03       | <=30       | 2                 | 16.03      | 36.02           | PASS    |
| 11N20SISO | Ant1    | 2412    | 15.87       | <=30       | 2                 | 17.87      | 36.02           | PASS    |
|           |         | 2437    | 15.63       | <=30       | 2                 | 17.63      | 36.02           | PASS    |
|           |         | 2462    | 15.27       | <=30       | 2                 | 17.27      | 36.02           | PASS    |
| 11N40SISO | Ant1    | 2422    | 12.54       | <=30       | 2                 | 14.54      | 36.02           | PASS    |
|           |         | 2437    | 12.3        | <=30       | 2                 | 14.3       | 36.02           | PASS    |
|           |         | 2452    | 12.01       | <=30       | 2                 | 14.01      | 36.02           | PASS    |

## Test Graphs

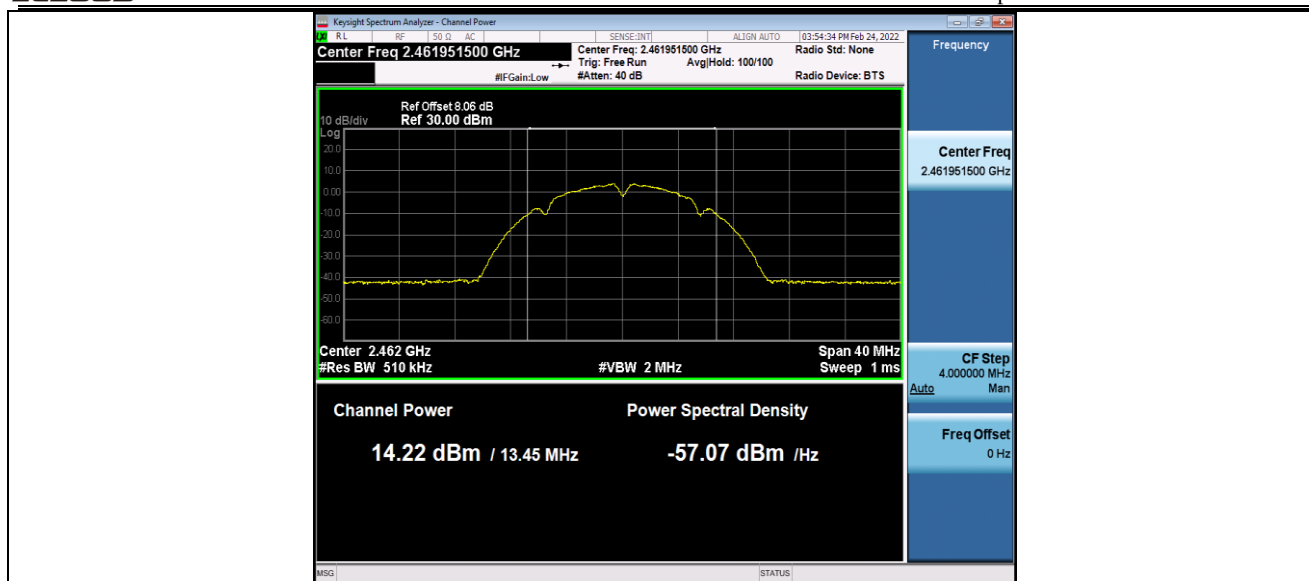
11B\_Ant1\_2412



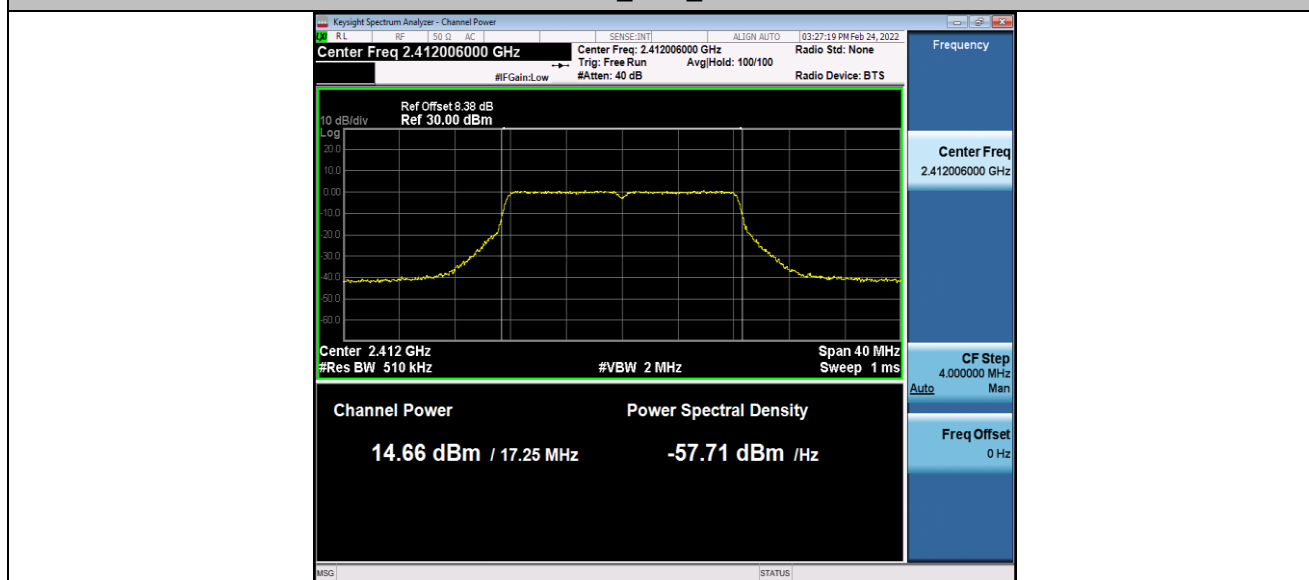
11B\_Ant1\_2437



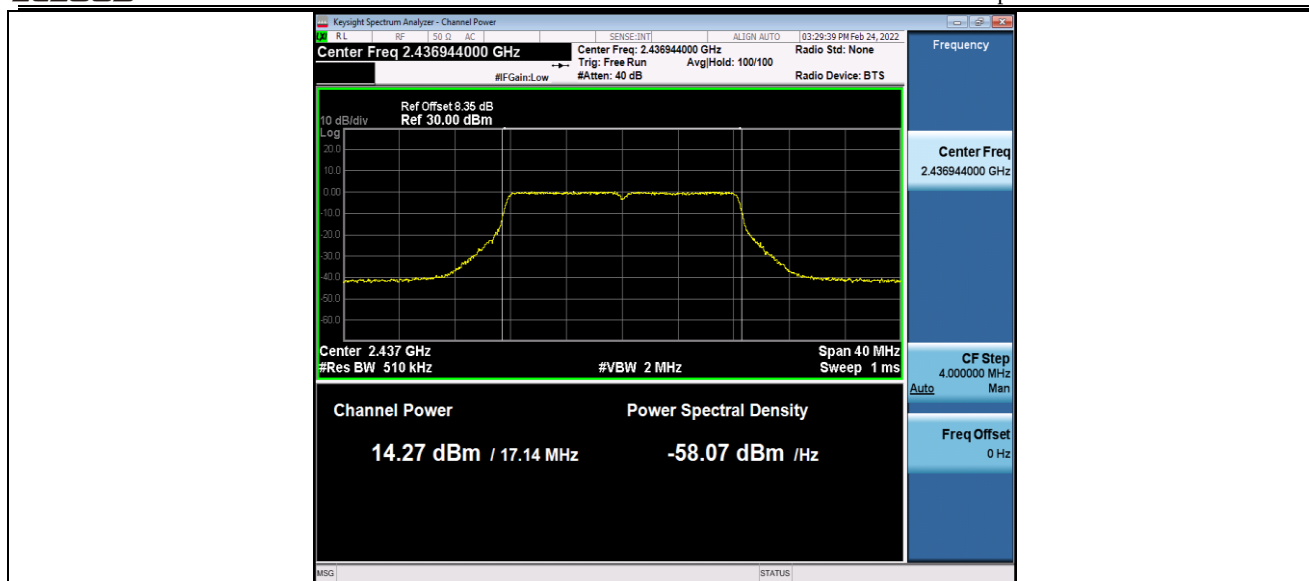
11B\_Ant1\_2462



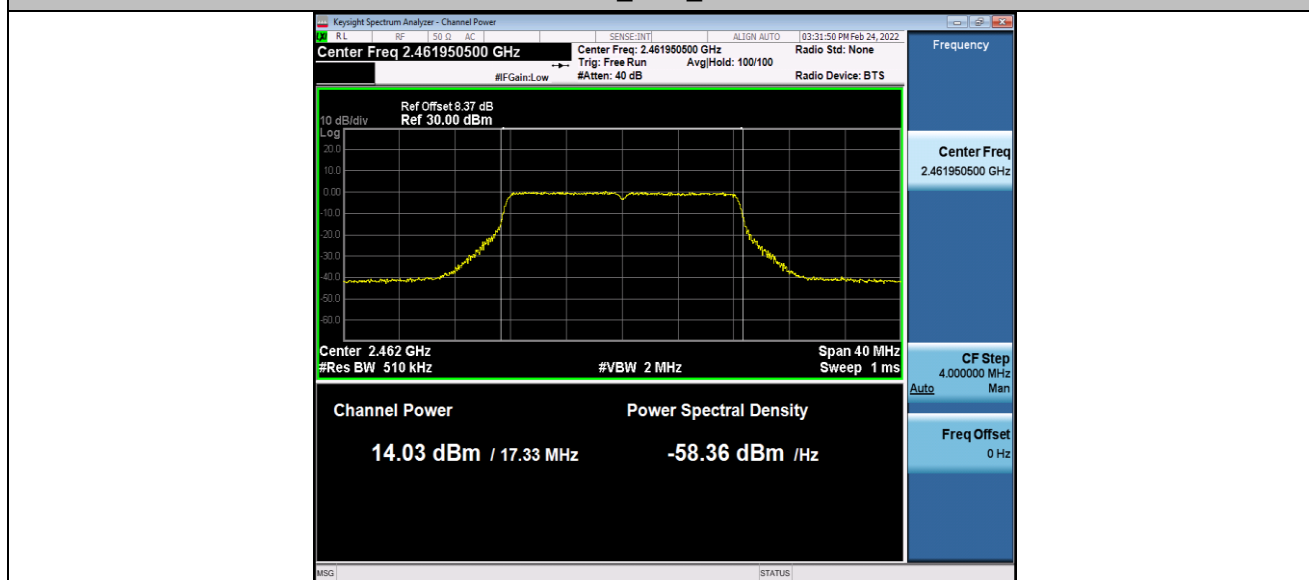
11G\_Ant1\_2412



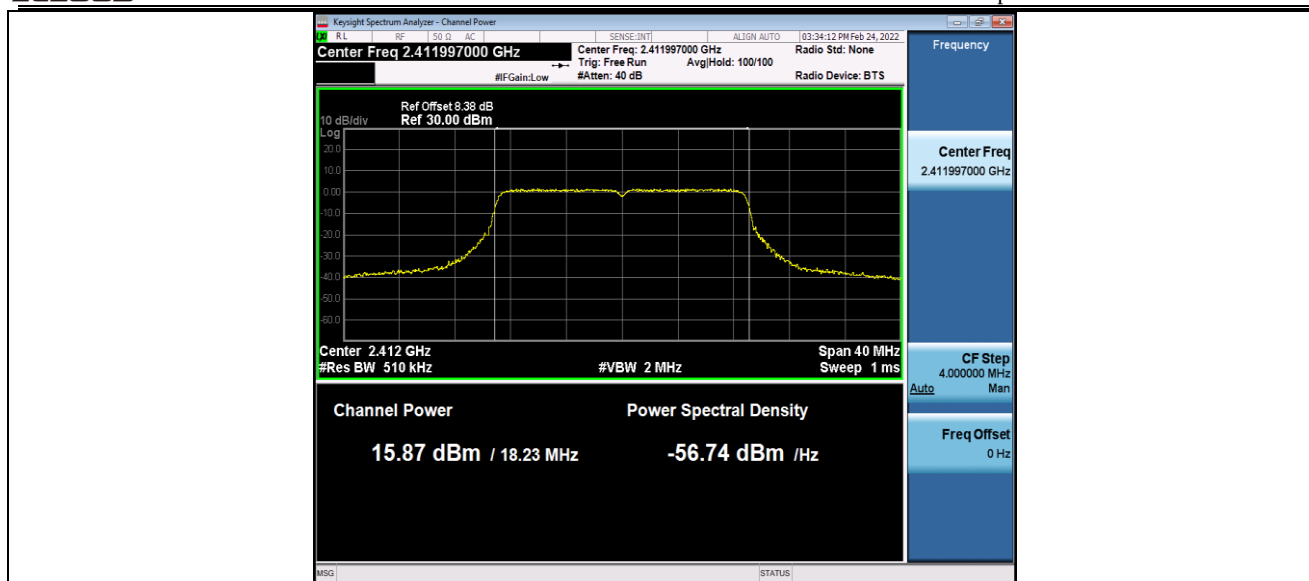
11G\_Ant1\_2437



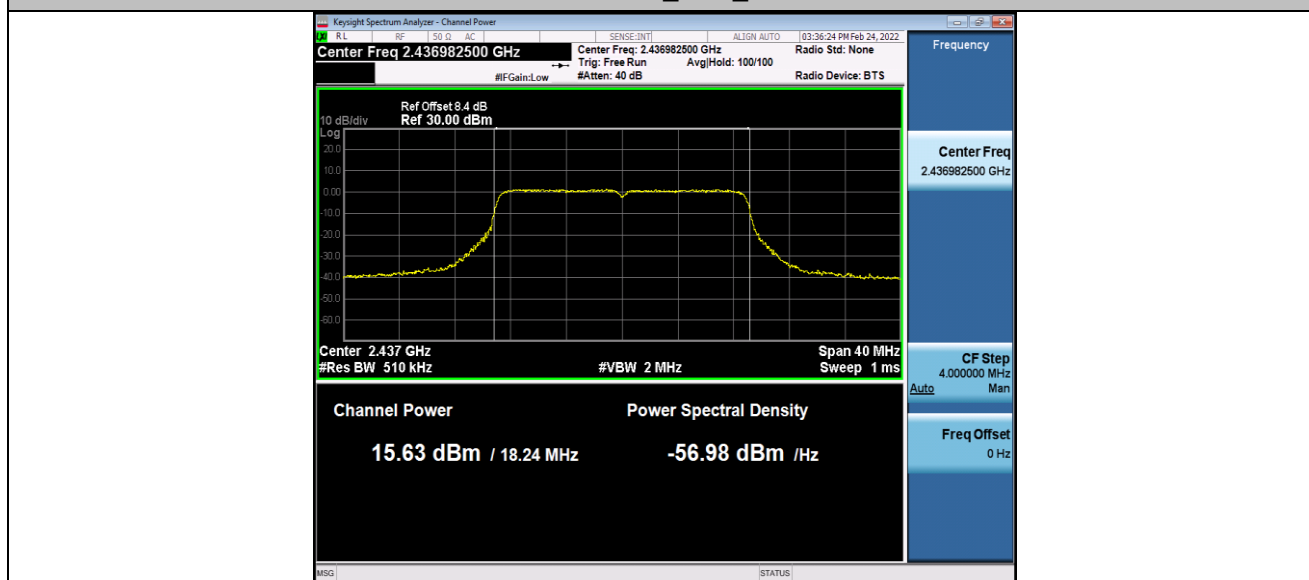
11G\_Ant1\_2462



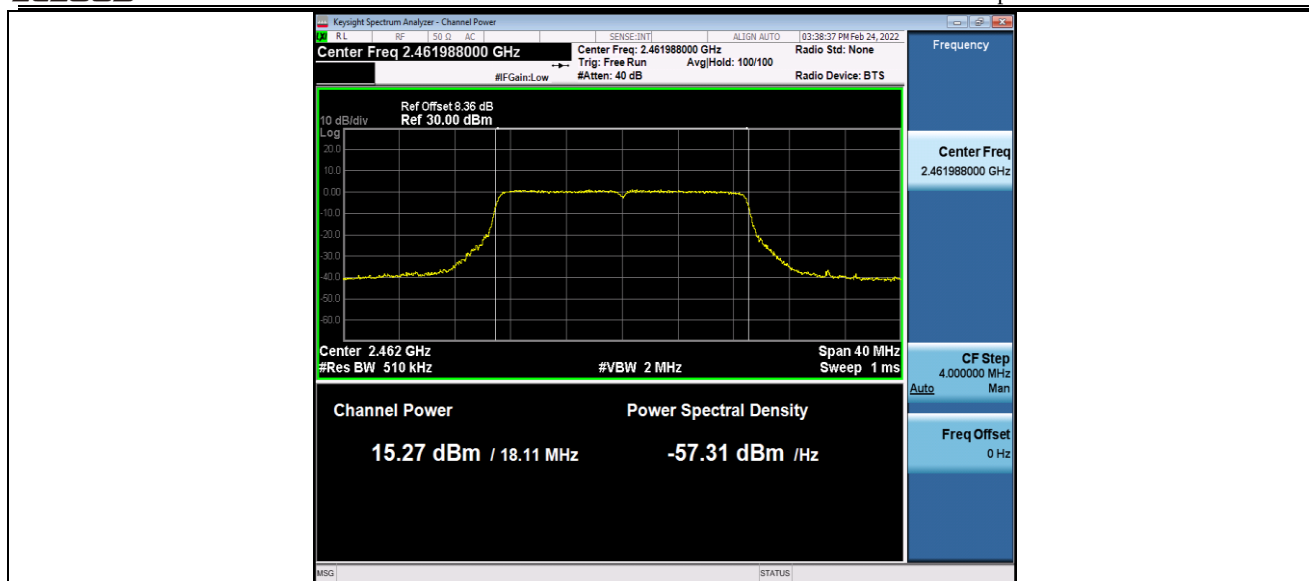
11N20SISO\_Ant1\_2412



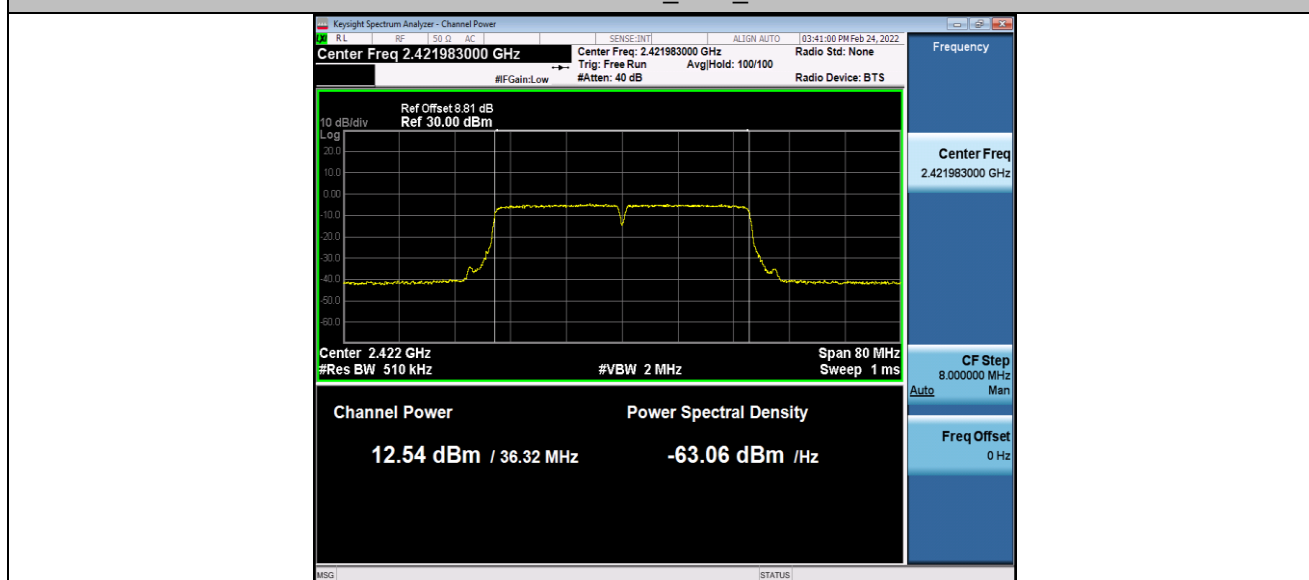
11N20SISO\_Ant1\_2437



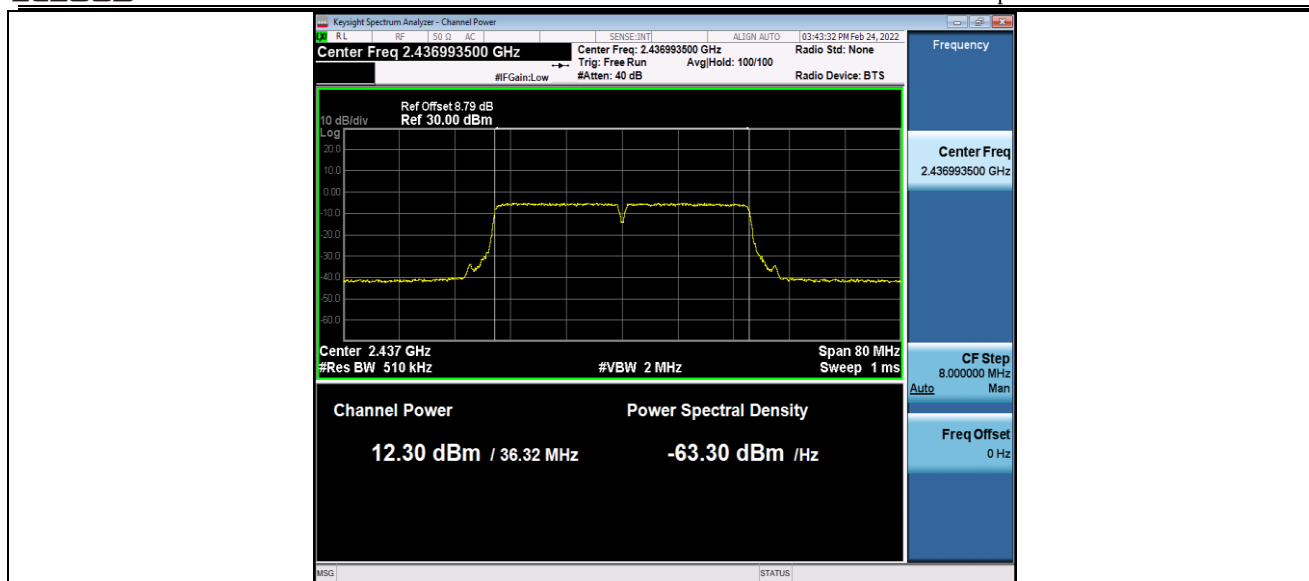
11N20SISO\_Ant1\_2462



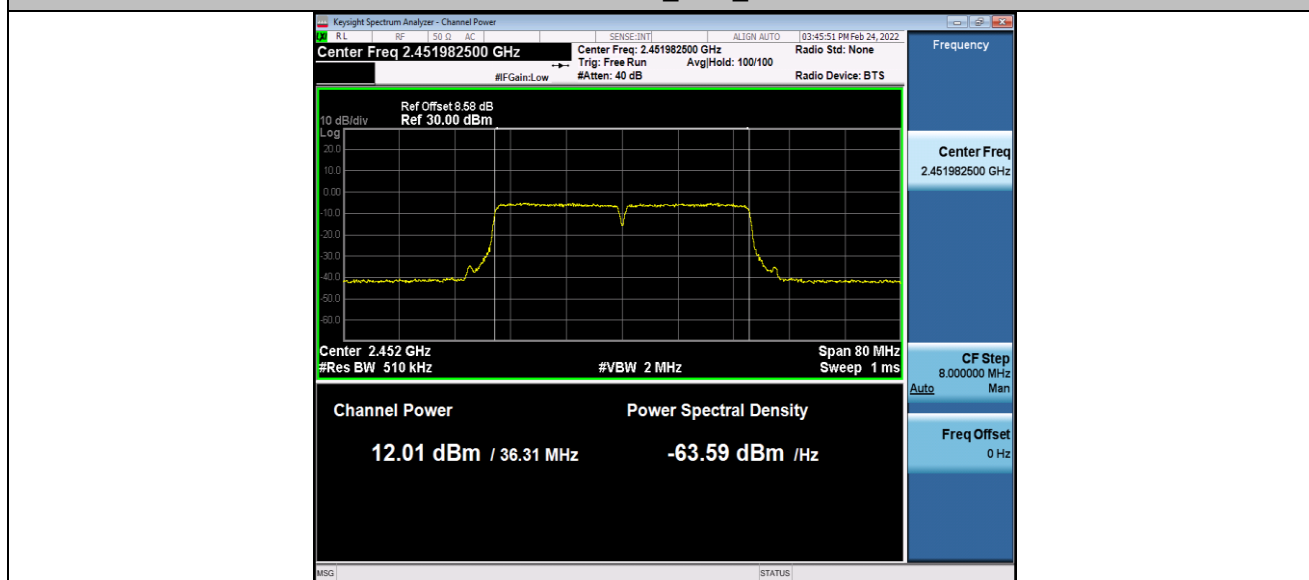
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452



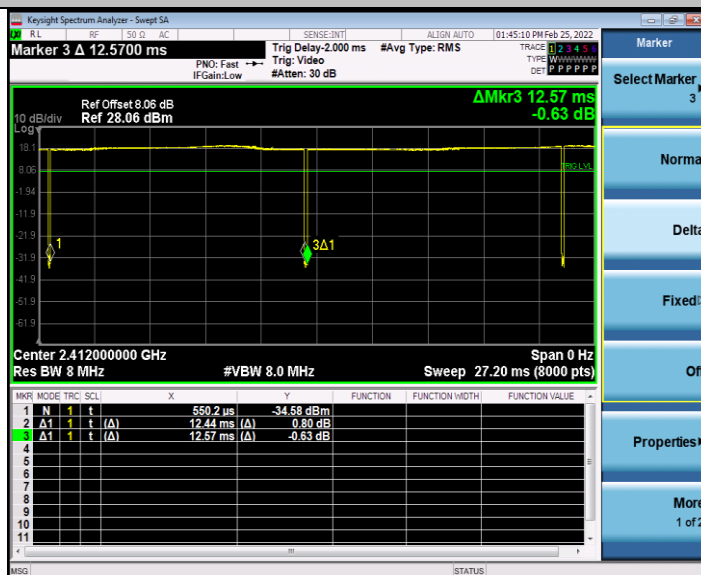
## Appendix D: Duty Cycle

### Test Result

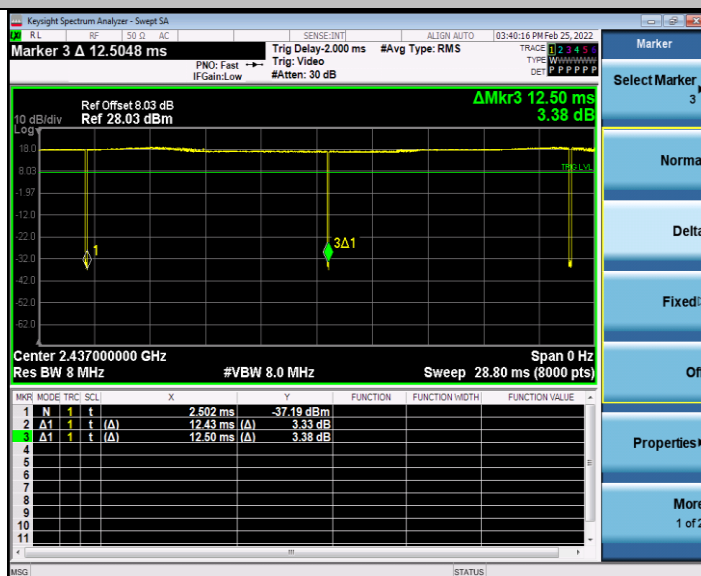
| TestMode  | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| 11B       | Ant1    | 2412    | 12.44                      | 12.57                    | 98.97          | ---   | PASS    |
|           |         | 2437    | 12.43                      | 12.50                    | 99.44          | ---   | PASS    |
|           |         | 2462    | 12.47                      | 12.58                    | 99.13          | ---   | PASS    |
| 11G       | Ant1    | 2412    | 2.07                       | 2.17                     | 95.39          | ---   | PASS    |
|           |         | 2437    | 2.09                       | 2.17                     | 96.31          | ---   | PASS    |
|           |         | 2462    | 2.08                       | 2.18                     | 95.41          | ---   | PASS    |
| 11N20SISO | Ant1    | 2412    | 1.93                       | 2.07                     | 93.24          | ---   | PASS    |
|           |         | 2437    | 1.93                       | 2.03                     | 95.07          | ---   | PASS    |
|           |         | 2462    | 1.93                       | 1.98                     | 97.47          | ---   | PASS    |
| 11N40SISO | Ant1    | 2422    | 0.96                       | 1.05                     | 91.43          | ---   | PASS    |
|           |         | 2437    | 0.97                       | 1.02                     | 95.10          | ---   | PASS    |
|           |         | 2452    | 0.95                       | 1.04                     | 91.35          | ---   | PASS    |

## Test Graphs

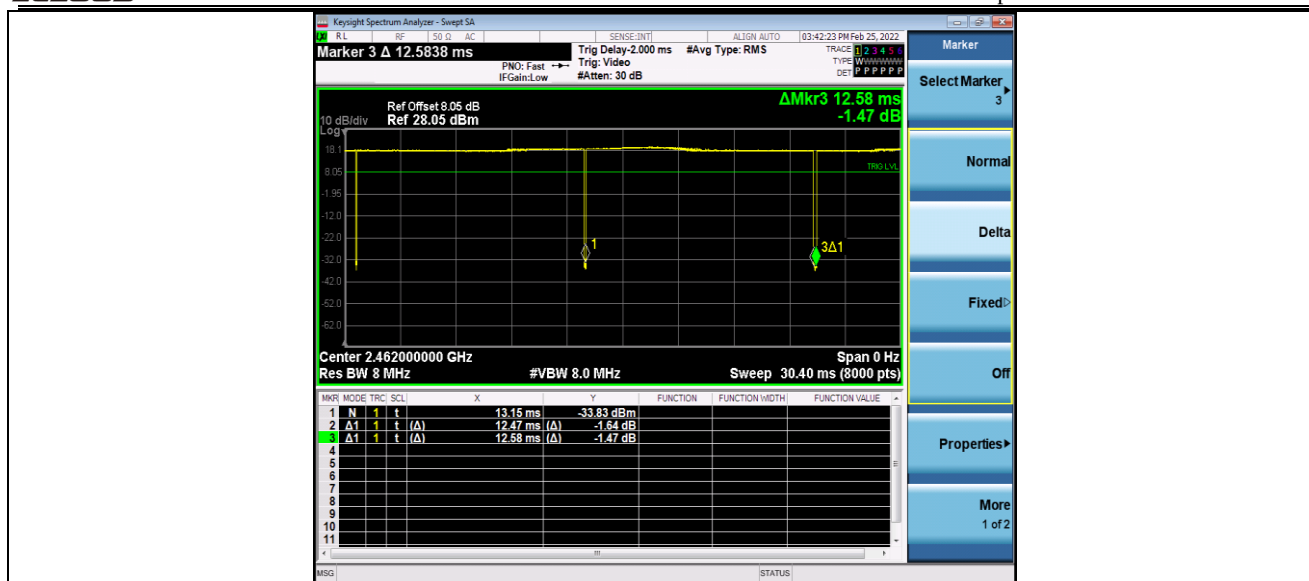
11B\_Ant1\_2412



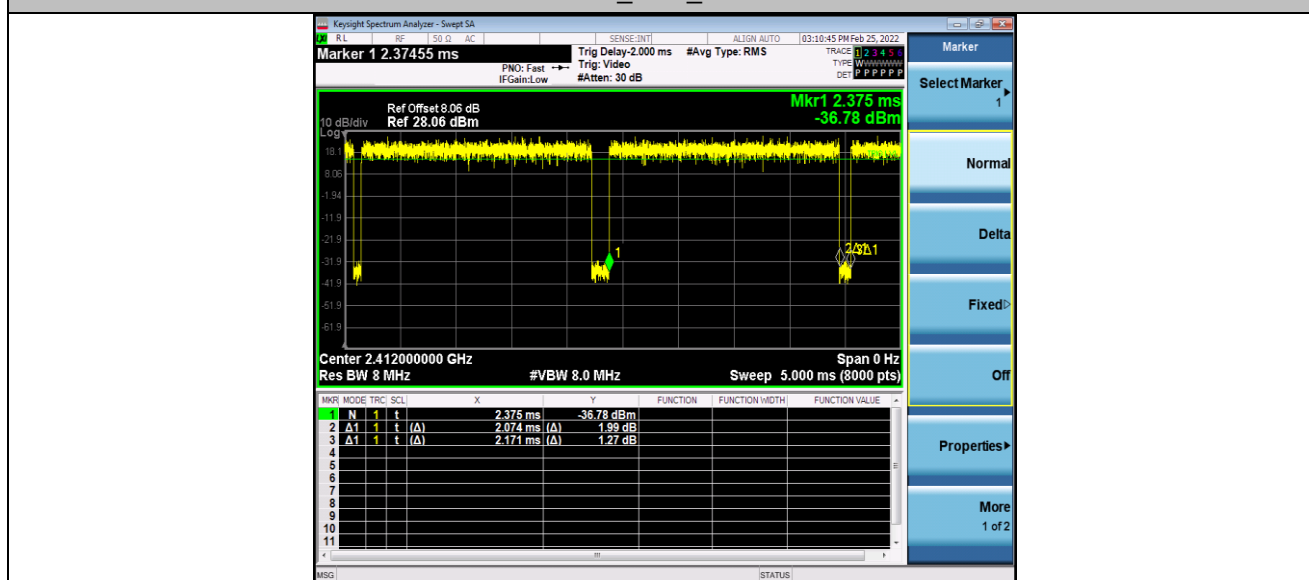
11B\_Ant1\_2437



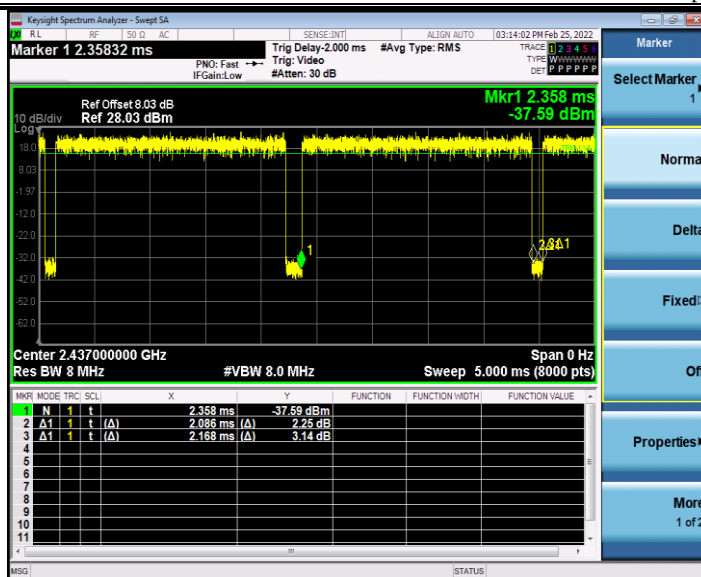
11B\_Ant1\_2462



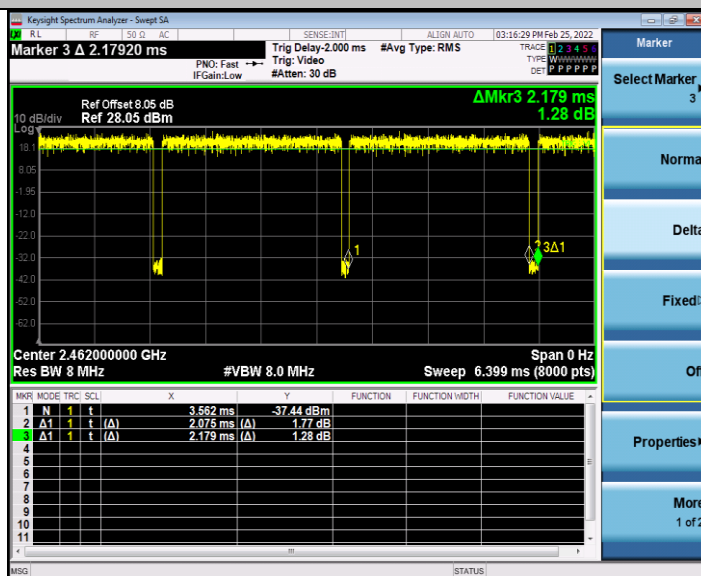
11G\_Ant1\_2412



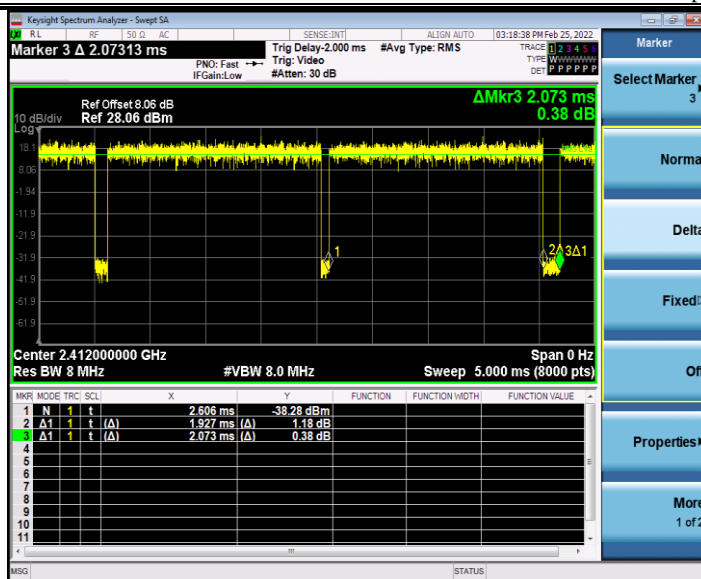
11G\_Ant1\_2437



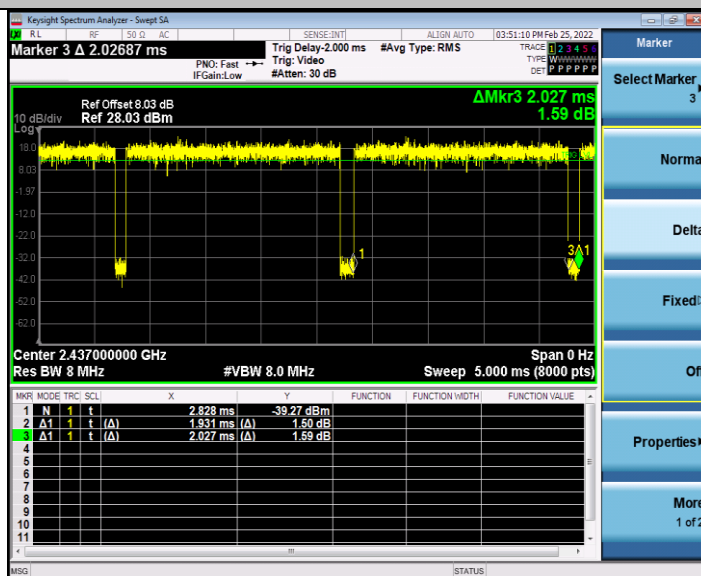
11G\_Ant1\_2462



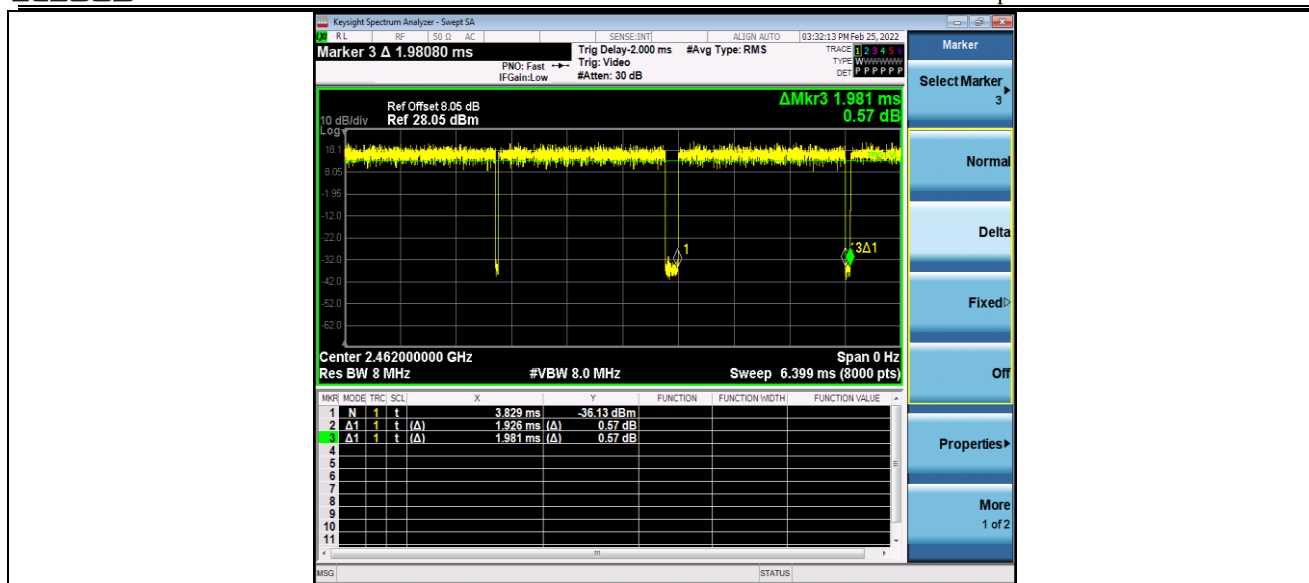
11N20SISO\_Ant1\_2412



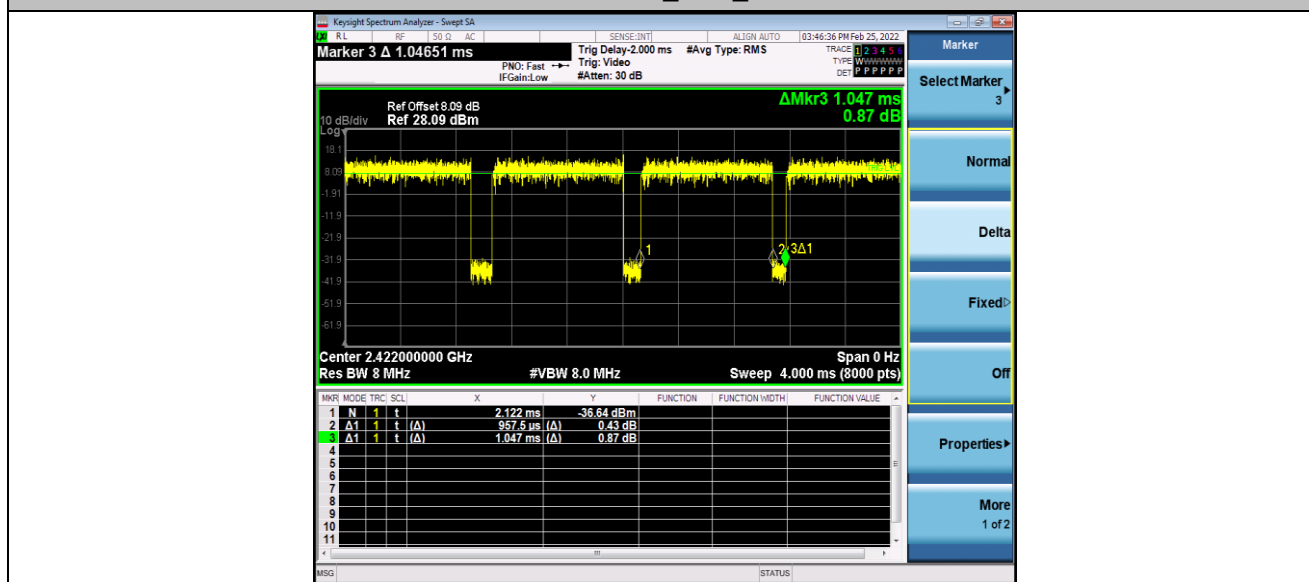
11N20SISO\_Ant1\_2437



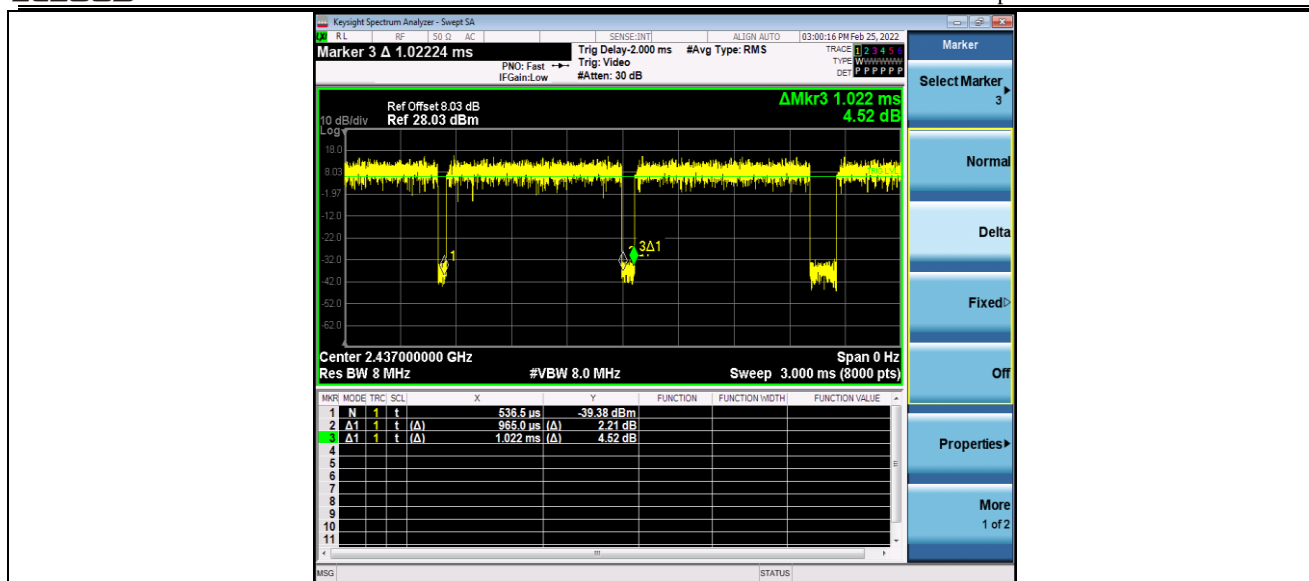
11N20SISO\_Ant1\_2462



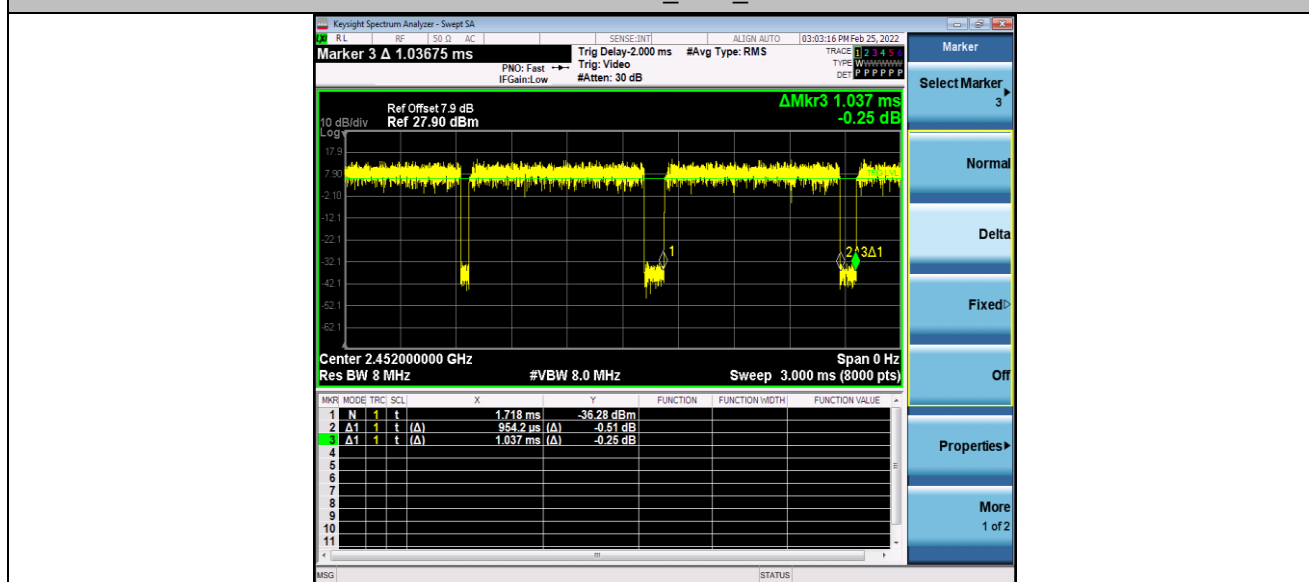
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452



## Appendix E: Maximum power spectral density

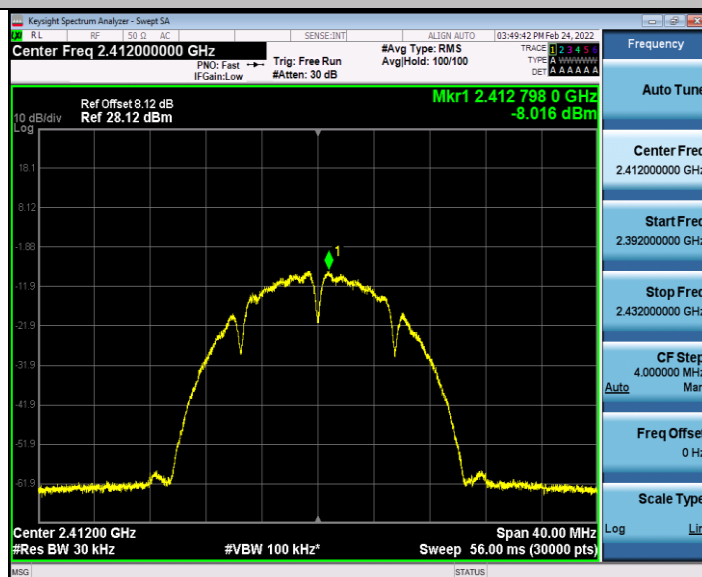
### Test Result

| TestMode  | Antenna | Channel | Result<br>[dBm/30kHz] | Result<br>[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|-----------------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412    | -8.02                 | -18.02               | ≤8              | PASS    |
|           |         | 2437    | -7.87                 | -17.87               | ≤8              | PASS    |
|           |         | 2462    | -6.98                 | -16.98               | ≤8              | PASS    |
| 11G       | Ant1    | 2412    | -9.15                 | -19.15               | ≤8              | PASS    |
|           |         | 2437    | -9.9                  | -19.9                | ≤8              | PASS    |
|           |         | 2462    | -10.07                | -20.07               | ≤8              | PASS    |
| 11N20SISO | Ant1    | 2412    | -8.06                 | -18.06               | ≤8              | PASS    |
|           |         | 2437    | -8.4                  | -18.4                | ≤8              | PASS    |
|           |         | 2462    | -9.14                 | -19.14               | ≤8              | PASS    |
| 11N40SISO | Ant1    | 2422    | -14.11                | -24.11               | ≤8              | PASS    |
|           |         | 2437    | -14.48                | -24.48               | ≤8              | PASS    |
|           |         | 2452    | -14.92                | -24.92               | ≤8              | PASS    |

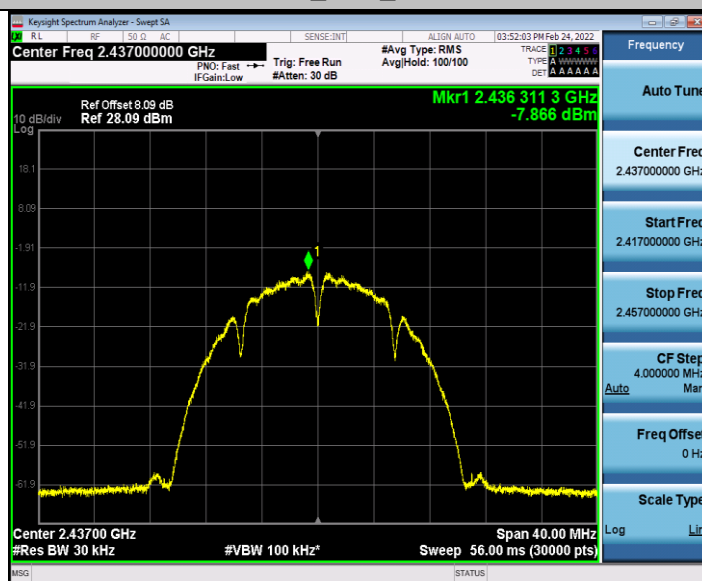
Result[dBm/3kHz]= Result[dBm/30kHz]-10\*log10(30/3)

## Test Graphs

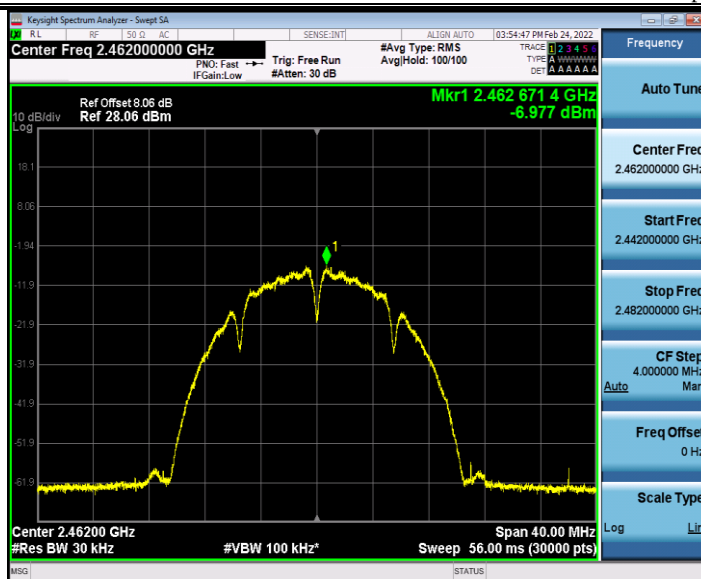
11B\_Ant1\_2412



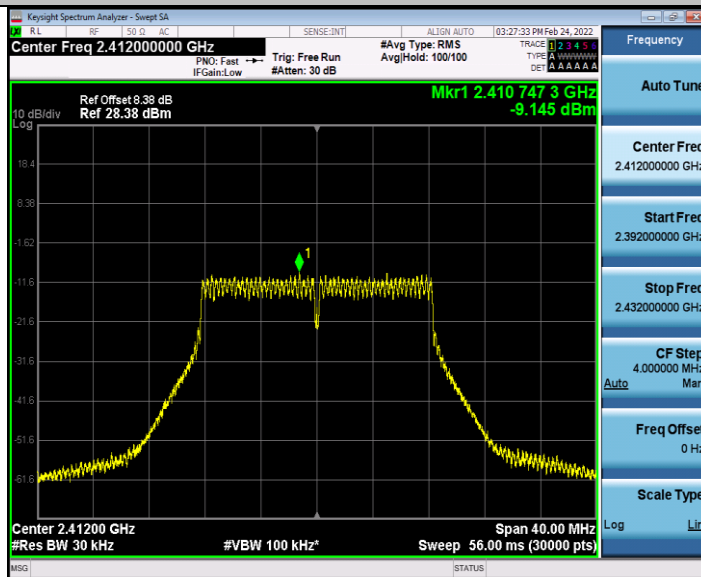
11B\_Ant1\_2437



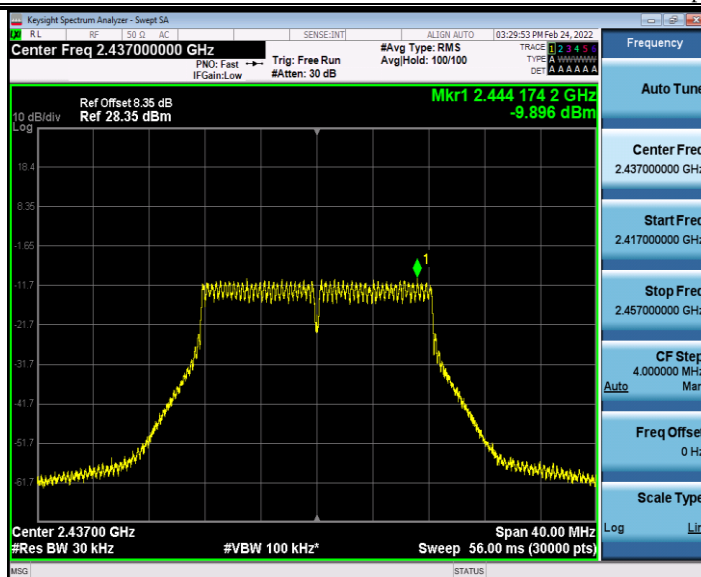
11B\_Ant1\_2462



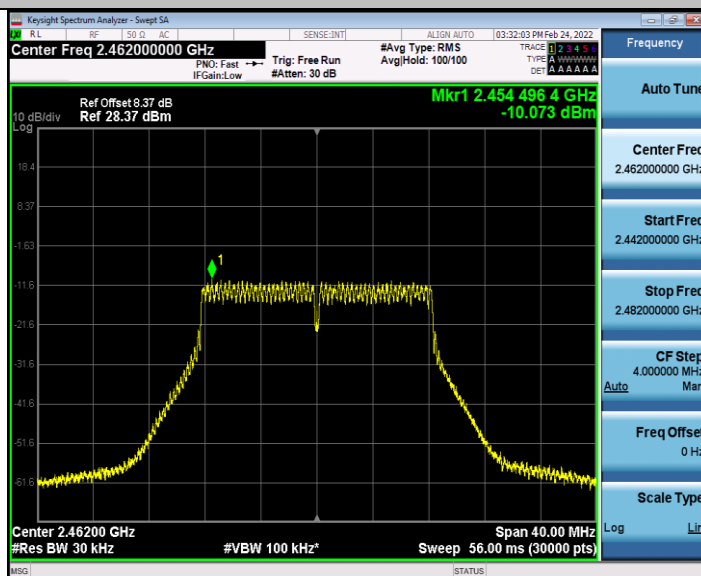
11G\_Ant1\_2412



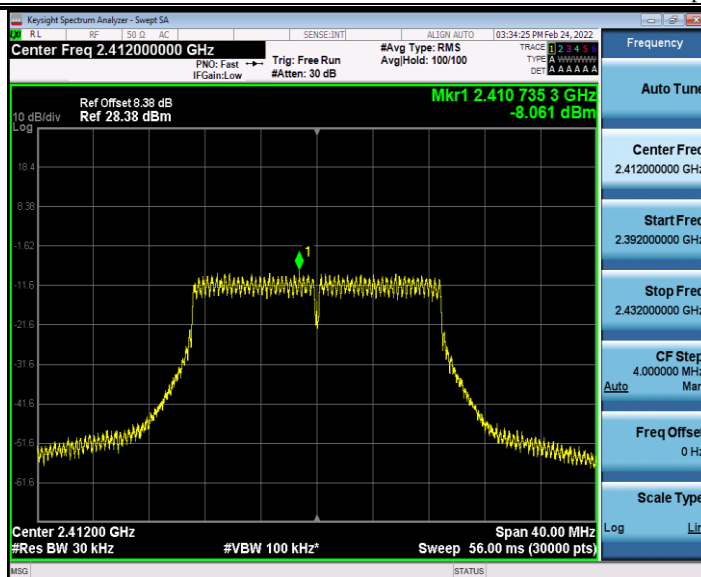
11G\_Ant1\_2437



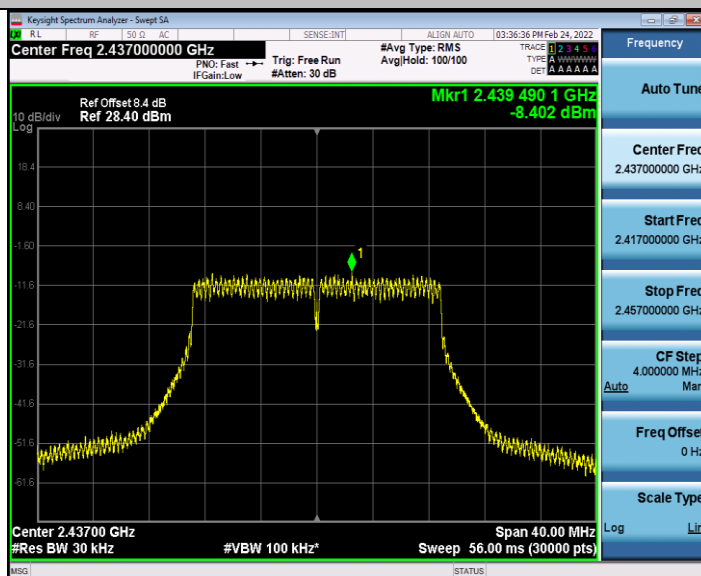
11G\_Ant1\_2462



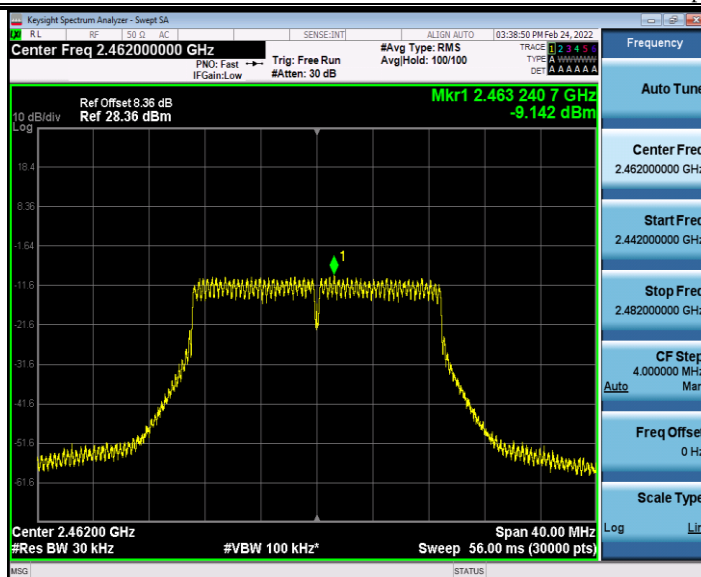
11N20SISO\_Ant1\_2412



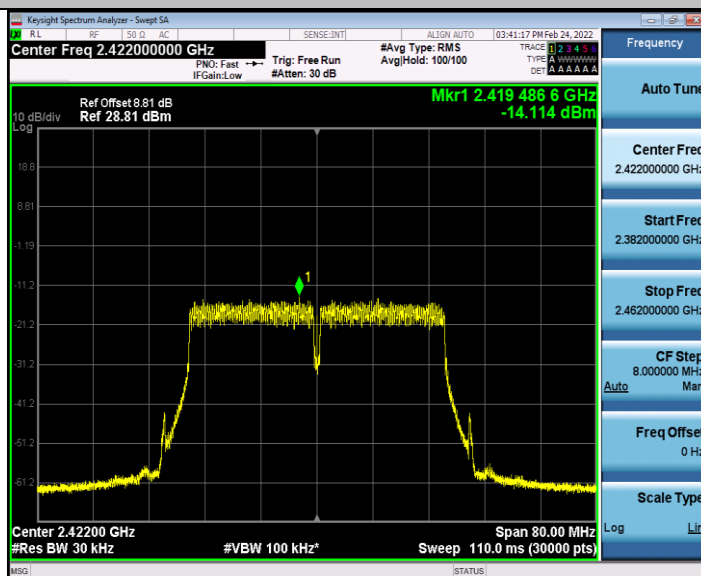
11N20SISO\_Ant1\_2437



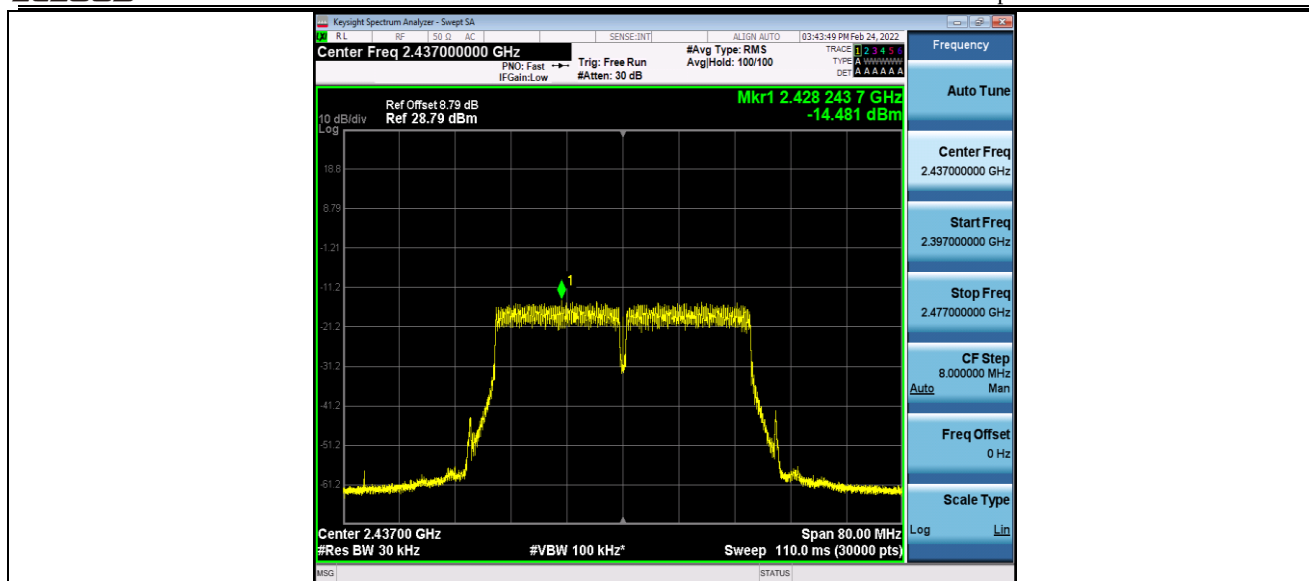
11N20SISO\_Ant1\_2462



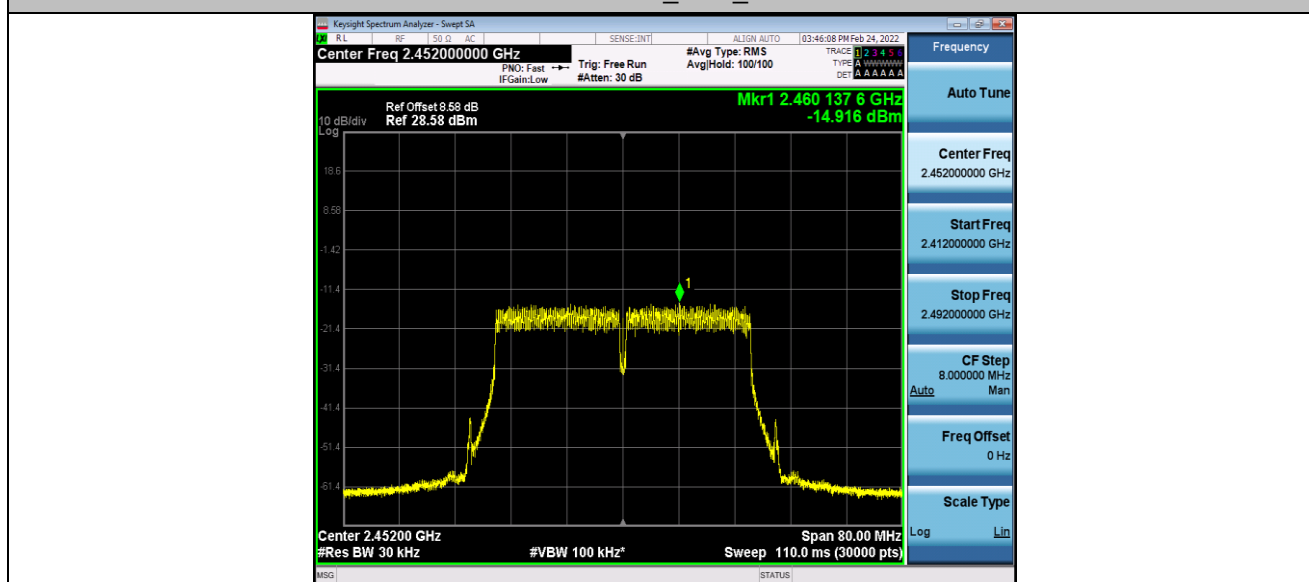
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



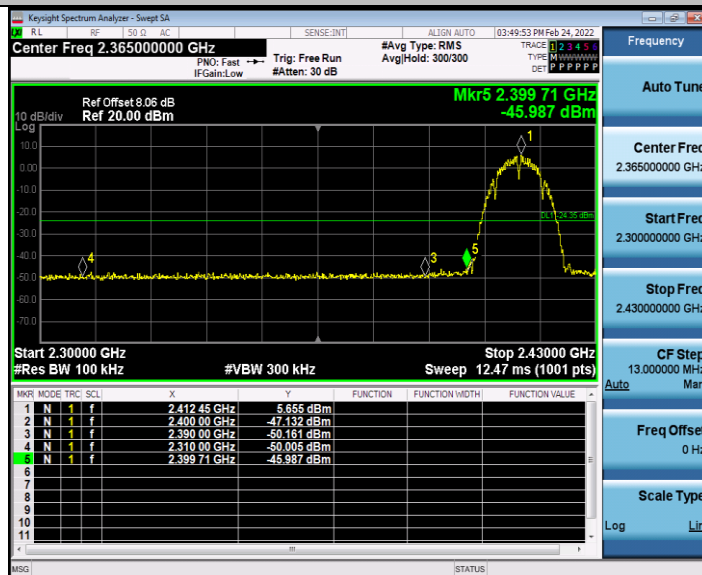
## Appendix F: Band edge measurements

### Test Result

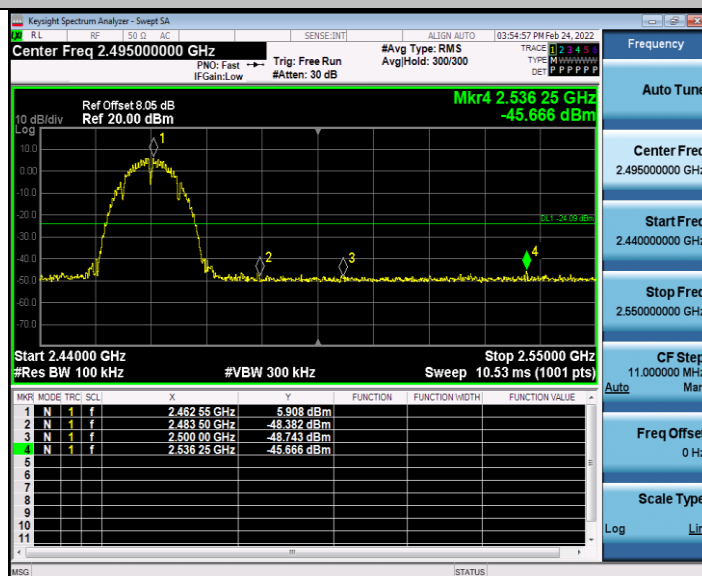
| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412    | 5.66          | -45.99      | ≤-24.35    | PASS    |
|           |         | High   | 2462    | 5.91          | -45.67      | ≤-24.09    | PASS    |
| 11G       | Ant1    | Low    | 2412    | 3.06          | -31.77      | ≤-26.94    | PASS    |
|           |         | High   | 2462    | 2.36          | -44.63      | ≤-27.64    | PASS    |
| 11N20SISO | Ant1    | Low    | 2412    | 4.02          | -31.33      | ≤-25.98    | PASS    |
|           |         | High   | 2462    | 3.40          | -40.67      | ≤-26.6     | PASS    |
| 11N40SISO | Ant1    | Low    | 2422    | -1.81         | -36.99      | ≤-31.81    | PASS    |
|           |         | High   | 2452    | -2.73         | -46.49      | ≤-32.73    | PASS    |

## Test Graphs

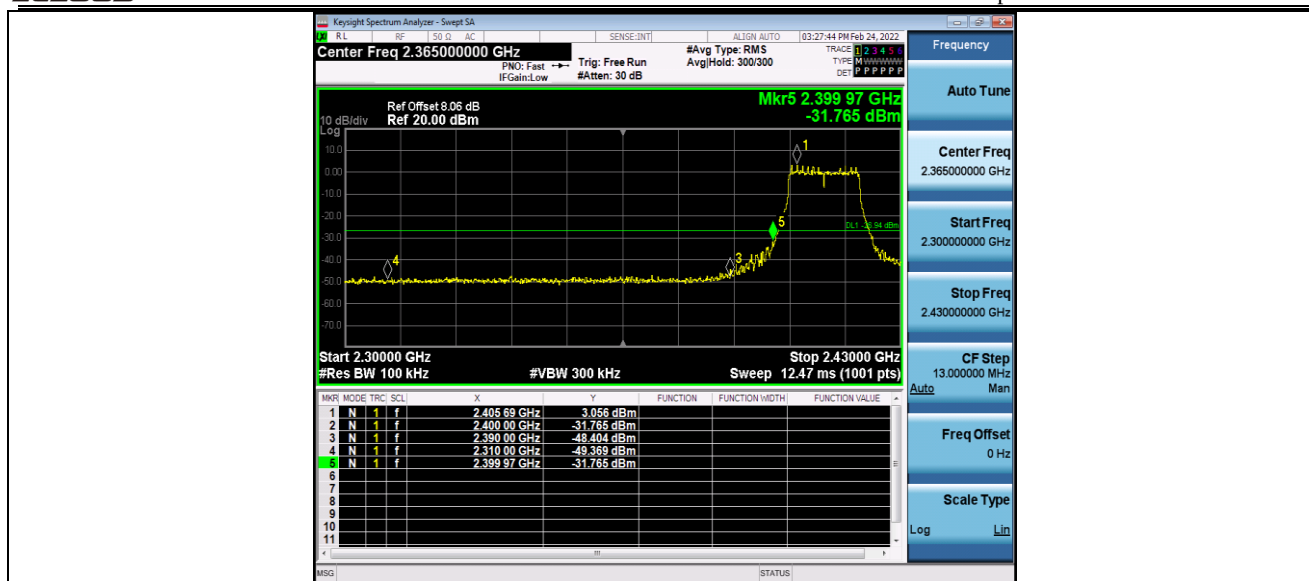
11B\_Ant1\_Low\_2412



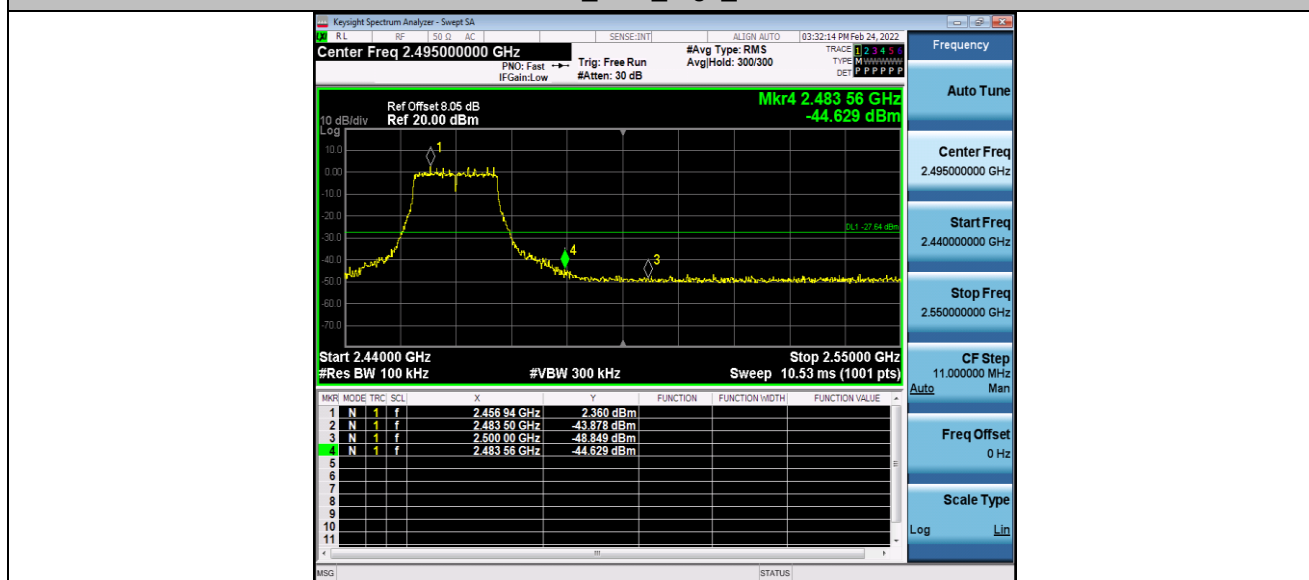
11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412



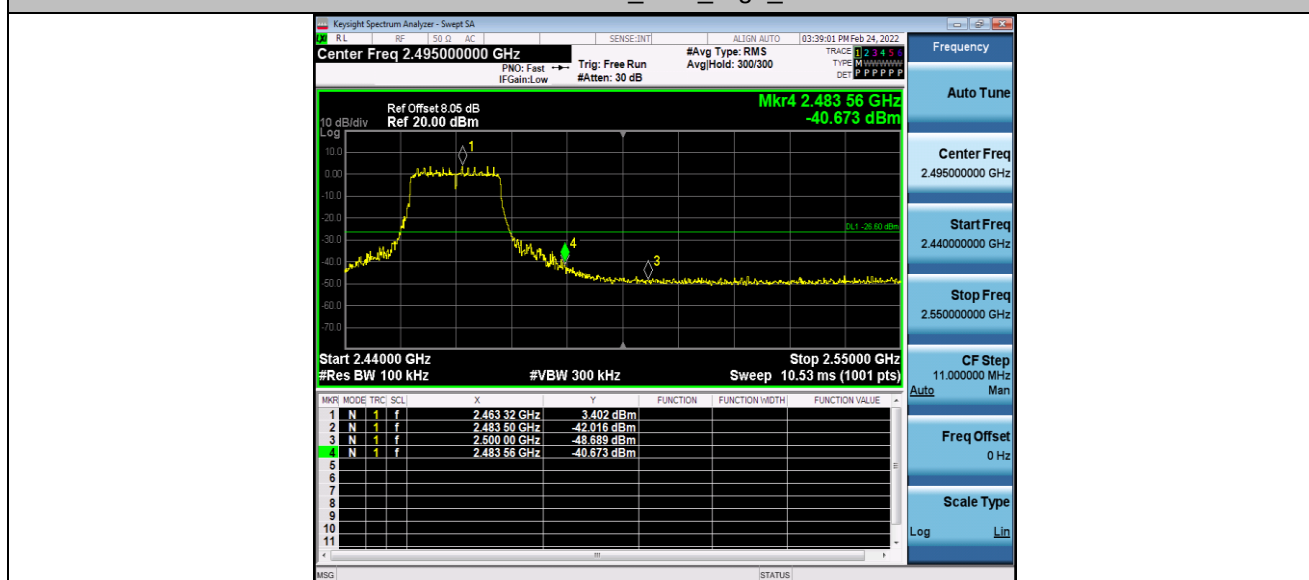
11G\_Ant1\_High\_2462



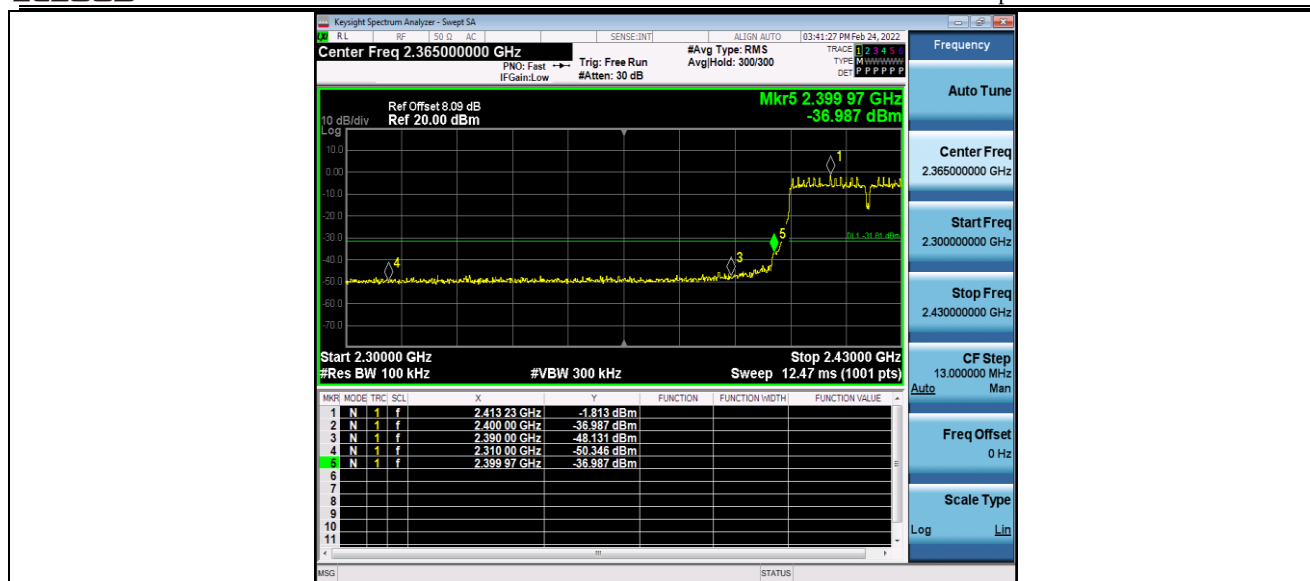
11N20SISO\_Ant1\_Low\_2412



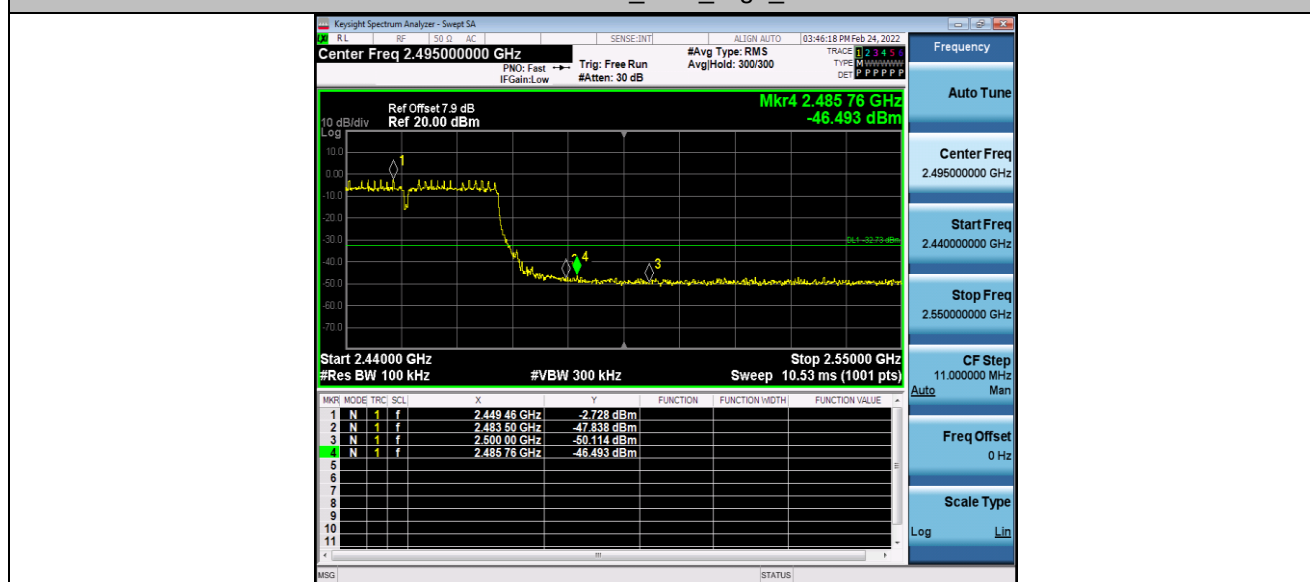
11N20SISO\_Ant1\_High\_2462



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          | 4.80              | 4.80            | ---            | PASS    |
|           |         |         | 30~1000            | 4.80              | -58.29          | ≤-25.2         | PASS    |
|           |         |         | 1000~26500         | 4.80              | -38.97          | ≤-25.2         | PASS    |
|           |         | 2437    | Reference          | 4.93              | 4.93            | ---            | PASS    |
|           |         |         | 30~1000            | 4.93              | -58.2           | ≤-25.07        | PASS    |
|           |         |         | 1000~26500         | 4.93              | -38.49          | ≤-25.07        | PASS    |
|           |         | 2462    | Reference          | 7.37              | 7.37            | ---            | PASS    |
|           |         |         | 30~1000            | 7.37              | -58.29          | ≤-22.63        | PASS    |
|           |         |         | 1000~26500         | 7.37              | -38.53          | ≤-22.63        | PASS    |
| 11G       | Ant1    | 2412    | Reference          | 3.32              | 3.32            | ---            | PASS    |
|           |         |         | 30~1000            | 3.32              | -58.02          | ≤-26.69        | PASS    |
|           |         |         | 1000~26500         | 3.32              | -38.39          | ≤-26.69        | PASS    |
|           |         | 2437    | Reference          | -0.55             | -0.55           | ---            | PASS    |
|           |         |         | 30~1000            | -0.55             | -58.12          | ≤-30.55        | PASS    |
|           |         |         | 1000~26500         | -0.55             | -38.18          | ≤-30.55        | PASS    |
|           |         | 2462    | Reference          | -0.50             | -0.50           | ---            | PASS    |
|           |         |         | 30~1000            | -0.50             | -58.35          | ≤-30.5         | PASS    |
|           |         |         | 1000~26500         | -0.50             | -38.24          | ≤-30.5         | PASS    |
| 11N20SISO | Ant1    | 2412    | Reference          | 0.78              | 0.78            | ---            | PASS    |
|           |         |         | 30~1000            | 0.78              | -57.78          | ≤-29.22        | PASS    |
|           |         |         | 1000~26500         | 0.78              | -37.36          | ≤-29.22        | PASS    |
|           |         | 2437    | Reference          | 1.33              | 1.33            | ---            | PASS    |
|           |         |         | 30~1000            | 1.33              | -56.87          | ≤-28.67        | PASS    |
|           |         |         | 1000~26500         | 1.33              | -37.34          | ≤-28.67        | PASS    |
|           |         | 2462    | Reference          | 3.15              | 3.15            | ---            | PASS    |
|           |         |         | 30~1000            | 3.15              | -57.48          | ≤-26.85        | PASS    |
|           |         |         | 1000~26500         | 3.15              | -37.73          | ≤-26.85        | PASS    |
| 11N40SISO | Ant1    | 2422    | Reference          | -1.91             | -1.91           | ---            | PASS    |
|           |         |         | 30~1000            | -1.91             | -58.16          | ≤-31.91        | PASS    |
|           |         |         | 1000~26500         | -1.91             | -38.09          | ≤-31.91        | PASS    |
|           |         | 2437    | Reference          | -2.34             | -2.34           | ---            | PASS    |

|  |  |      |            |       |        |               |      |
|--|--|------|------------|-------|--------|---------------|------|
|  |  |      | 30~1000    | -2.34 | -57.69 | $\leq -32.34$ | PASS |
|  |  |      | 1000~26500 | -2.34 | -38.3  | $\leq -32.34$ | PASS |
|  |  | 2452 | Reference  | -4.85 | -4.85  | ---           | PASS |
|  |  |      | 30~1000    | -4.85 | -57.92 | $\leq -34.85$ | PASS |
|  |  |      | 1000~26500 | -4.85 | -38.05 | $\leq -34.85$ | PASS |

## Test Graphs

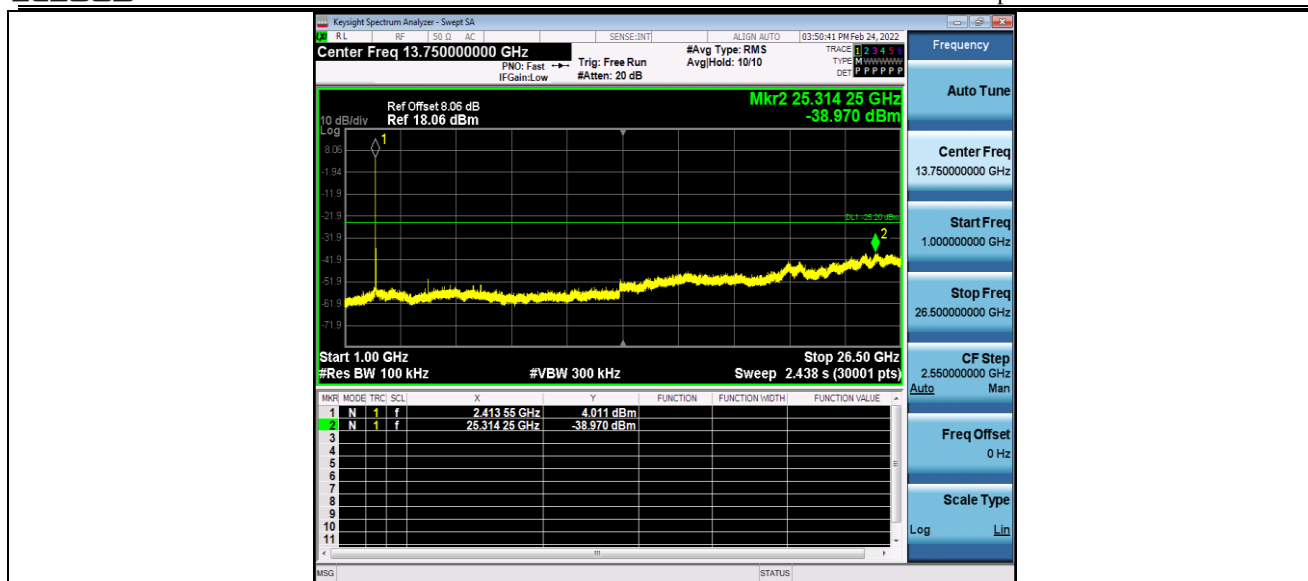
11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000



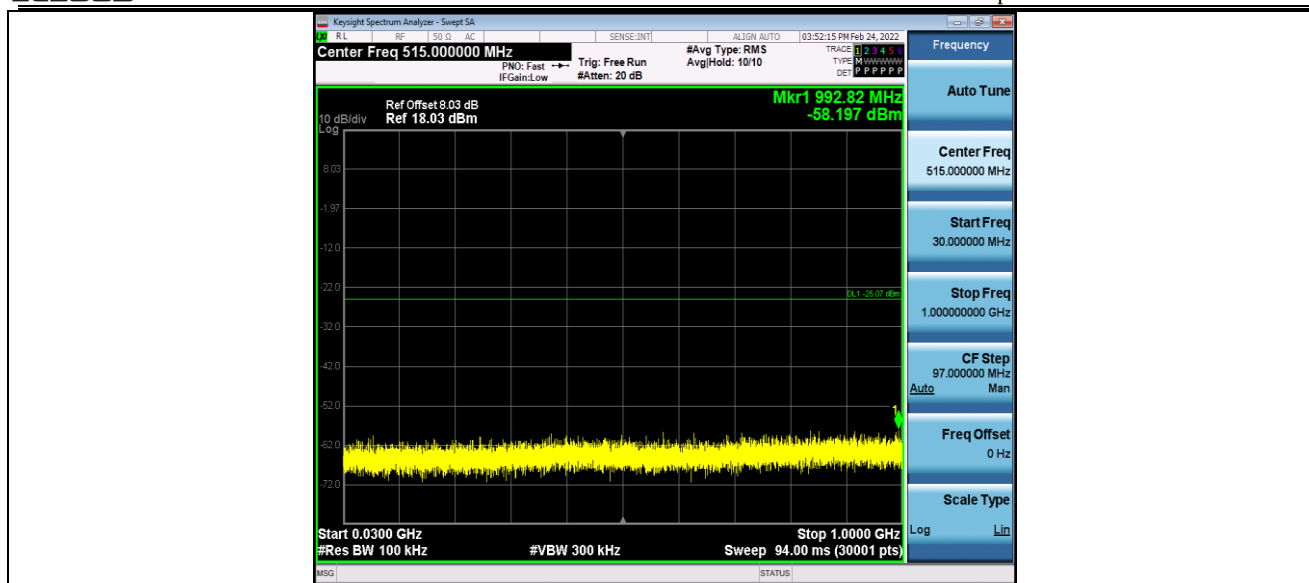
11B\_Ant1\_2412\_1000~26500



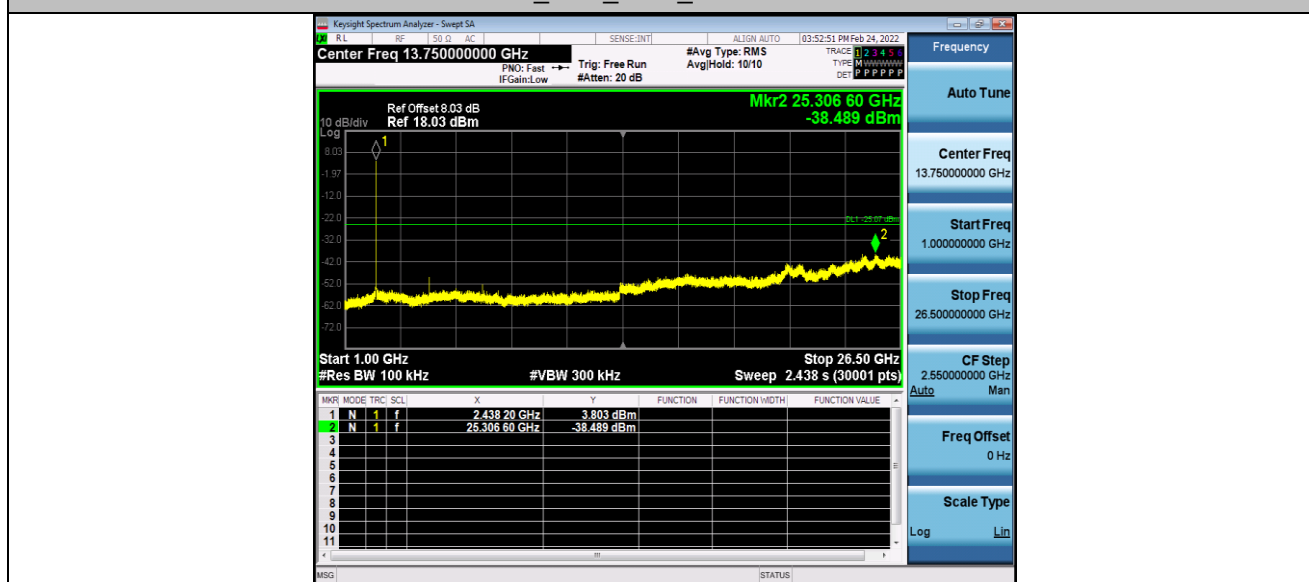
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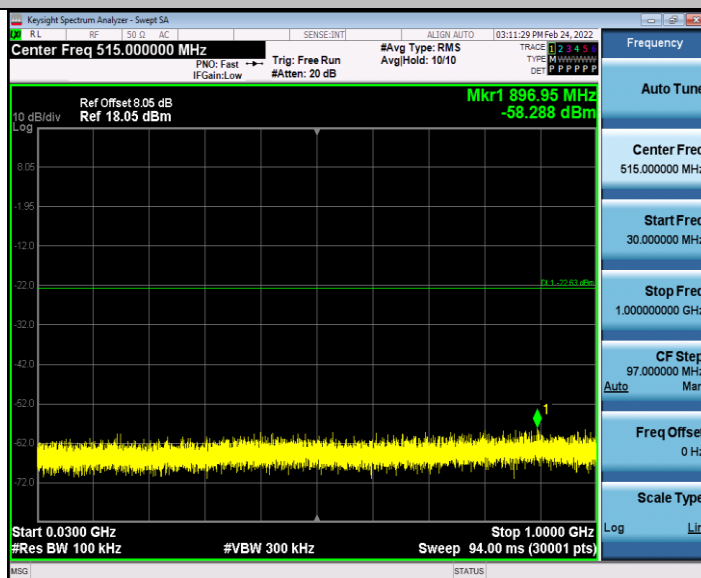
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11B\_Ant1\_2462\_0~Reference



11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500