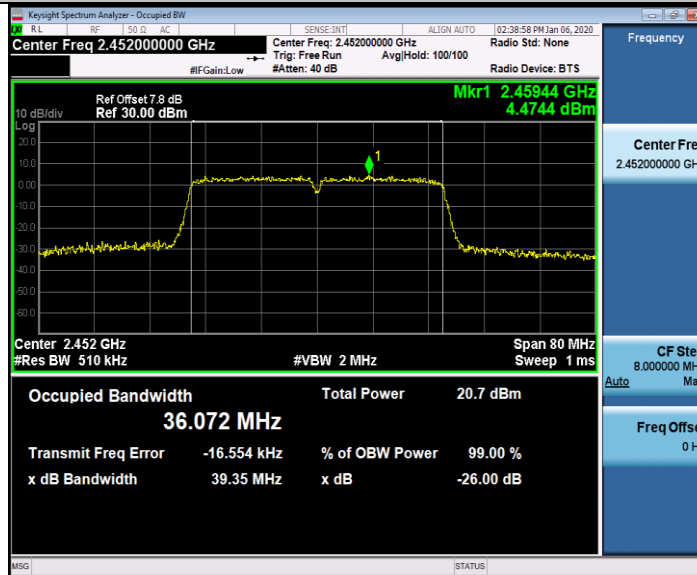


## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



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

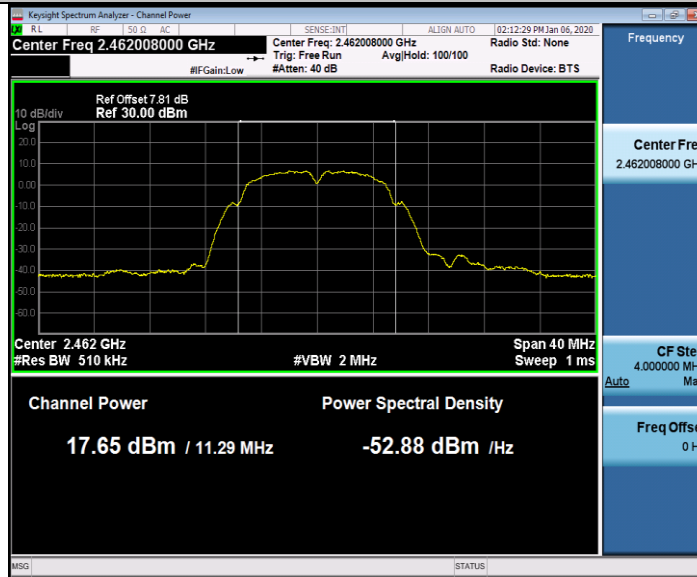
### Test Result

| TestMode  | Antenna | Channel | Result[dBm] | Limit[dBm] | Duty Cycle Factor | EIRP[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|-------------------|-----------|---------|
| 11B       | Ant1    | 2412    | 17.66       | <=30       | 0.01              | 20.66     | PASS    |
|           |         | 2437    | 17.64       | <=30       | 0.01              | 20.64     | PASS    |
|           |         | 2462    | 17.65       | <=30       | 0.01              | 20.65     | PASS    |
| 11G       | Ant1    | 2412    | 15.40       | <=30       | 0.06              | 18.4      | PASS    |
|           |         | 2437    | 15.37       | <=30       | 0.06              | 18.37     | PASS    |
|           |         | 2462    | 15.45       | <=30       | 0.06              | 18.45     | PASS    |
| 11N20SISO | Ant1    | 2412    | 15.00       | <=30       | 0.06              | 18        | PASS    |
|           |         | 2437    | 14.98       | <=30       | 0.07              | 17.98     | PASS    |
|           |         | 2462    | 15.01       | <=30       | 0.07              | 18.01     | PASS    |
| 11N40SISO | Ant1    | 2422    | 14.60       | <=30       | 0.14              | 17.6      | PASS    |
|           |         | 2437    | 14.98       | <=30       | 0.14              | 17.98     | PASS    |
|           |         | 2452    | 14.51       | <=30       | 0.14              | 17.51     | PASS    |

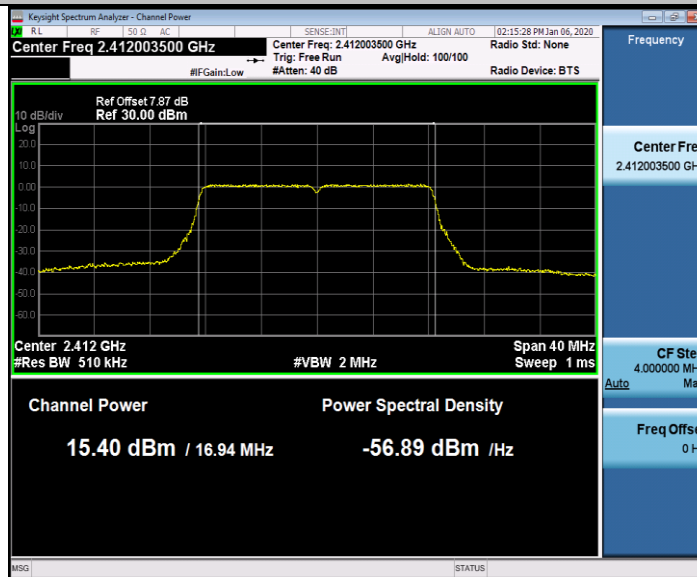
### Test Graphs



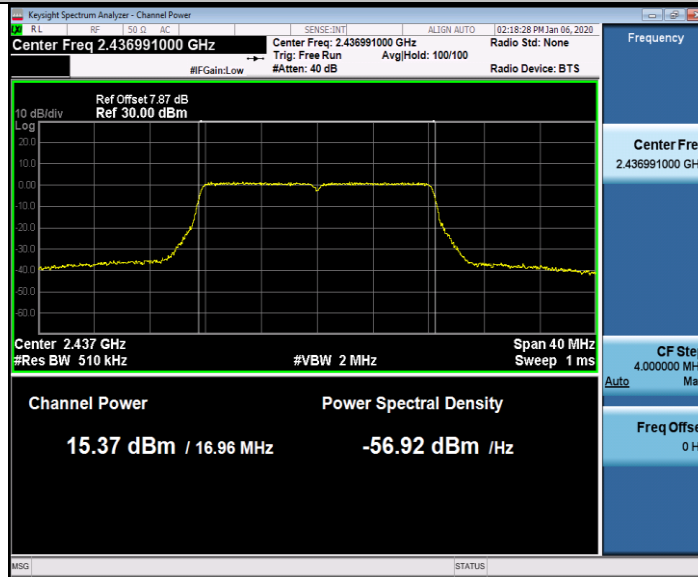
11B\_Ant1\_2462



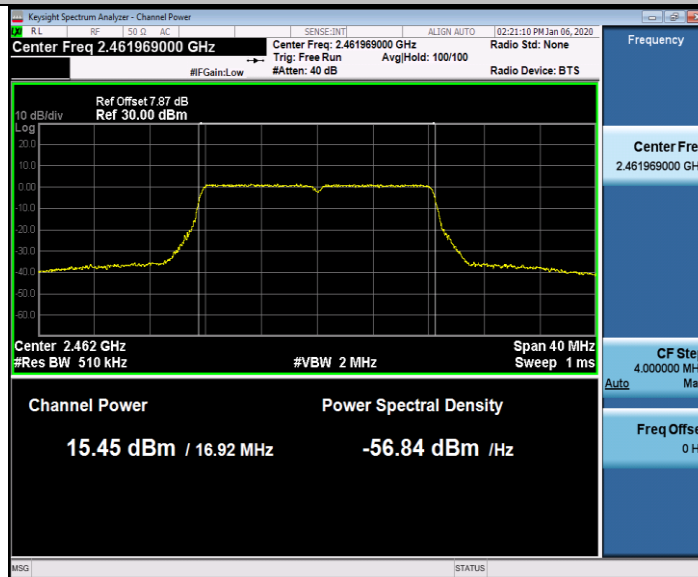
11G\_Ant1\_2412



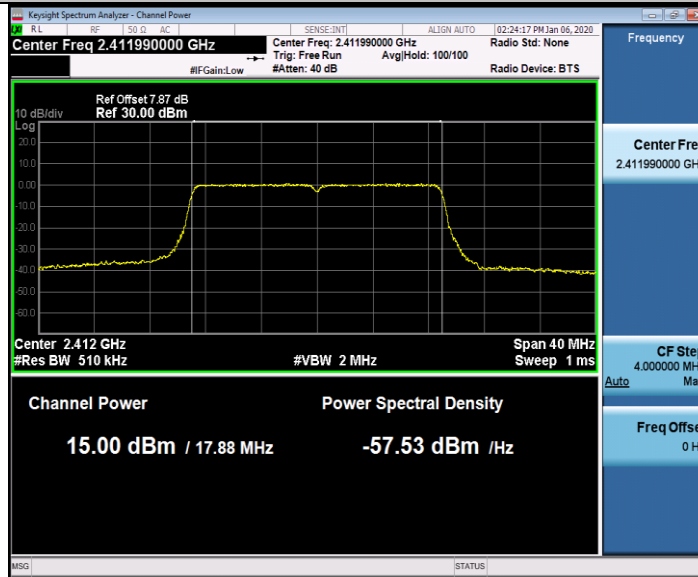
11G\_Ant1\_2437



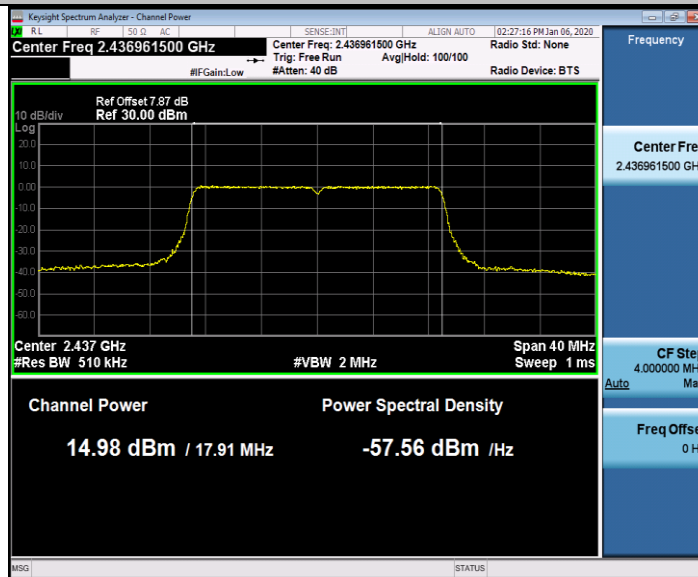
11G\_Ant1\_2462



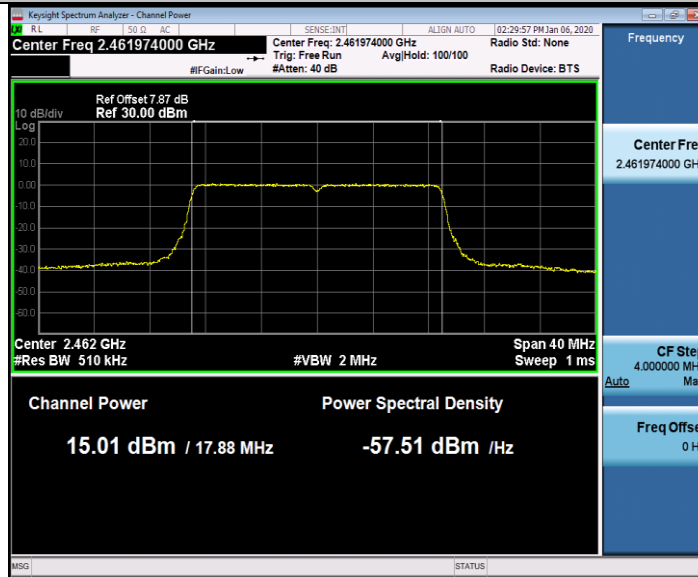
11N20SISO\_Ant1\_2412



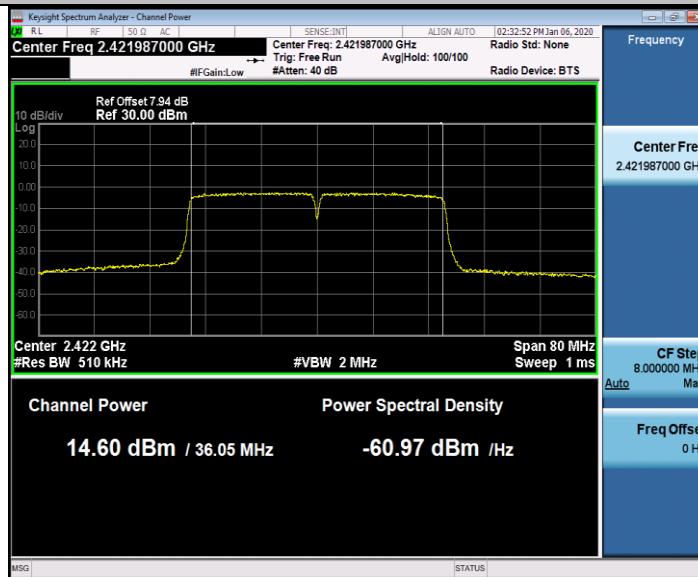
11N20SISO\_Ant1\_2437



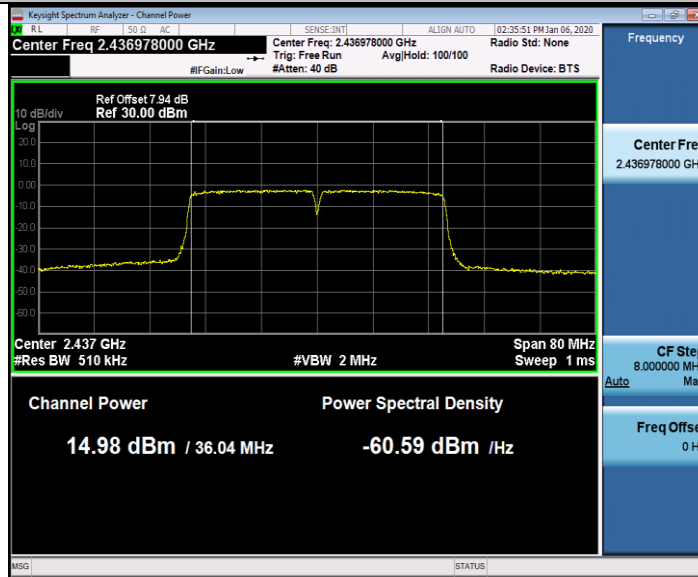
11N20SISO\_Ant1\_2462



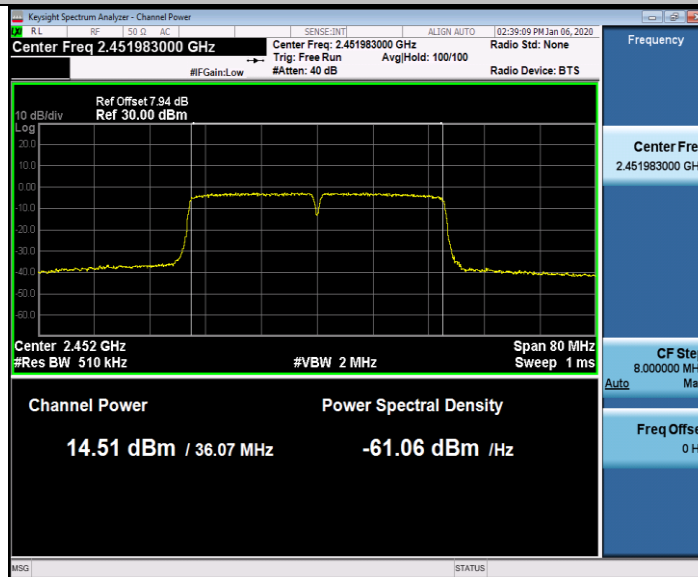
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



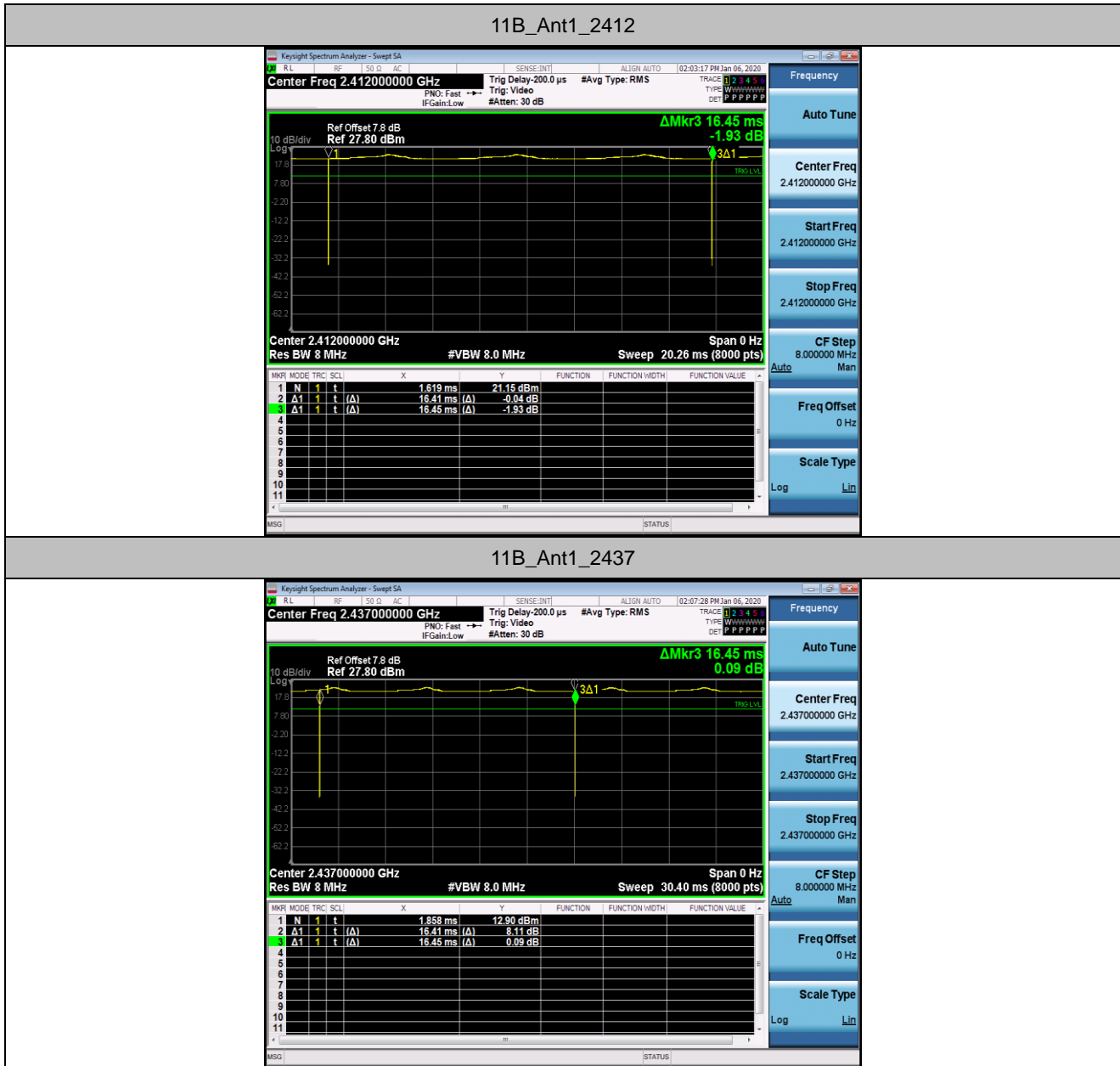


## Appendix D: Duty Cycle

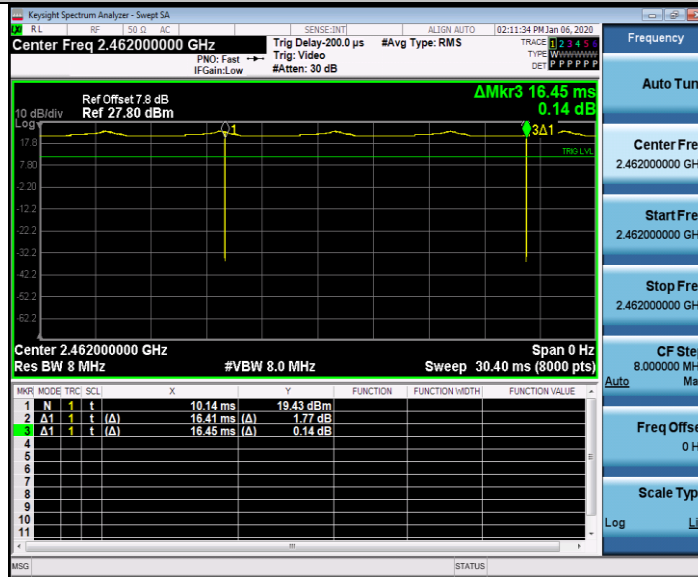
### Test Result

| TestMode  | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|-----------|---------|---------|----------------------------|--------------------------|----------------|
| 11B       | Ant1    | 2412    | 16.41                      | 16.45                    | 99.77          |
|           |         | 2437    | 16.41                      | 16.45                    | 99.77          |
|           |         | 2462    | 16.41                      | 16.45                    | 99.75          |
| 11G       | Ant1    | 2412    | 2.72                       | 2.77                     | 98.49          |
|           |         | 2437    | 2.72                       | 2.77                     | 98.49          |
|           |         | 2462    | 2.72                       | 2.77                     | 98.49          |
| 11N20SISO | Ant1    | 2412    | 2.52                       | 2.56                     | 98.42          |
|           |         | 2437    | 2.52                       | 2.56                     | 98.37          |
|           |         | 2462    | 2.52                       | 2.56                     | 98.37          |
| 11N40SISO | Ant1    | 2422    | 1.22                       | 1.27                     | 96.80          |
|           |         | 2437    | 1.22                       | 1.27                     | 96.80          |
|           |         | 2452    | 1.22                       | 1.27                     | 96.80          |

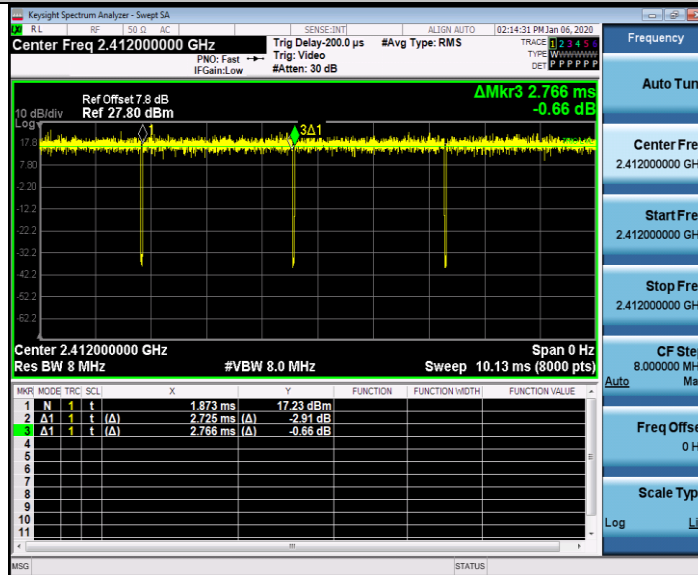
### Test Graphs



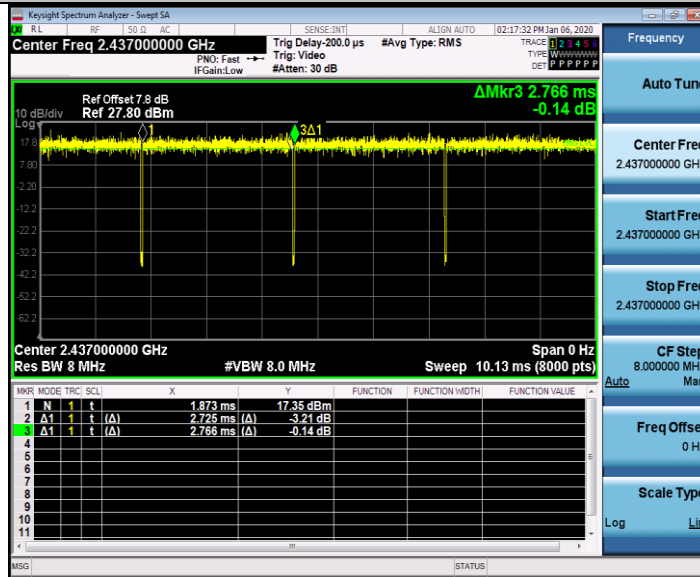
## 11B\_Ant1\_2462



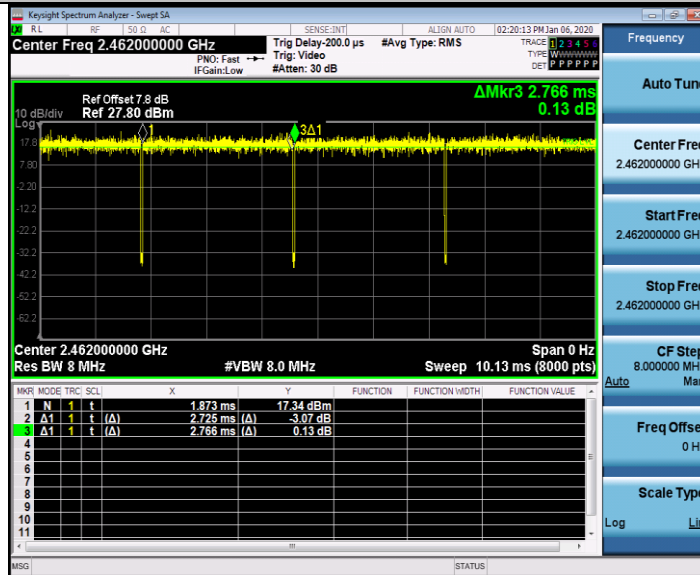
## 11G\_Ant1\_2412



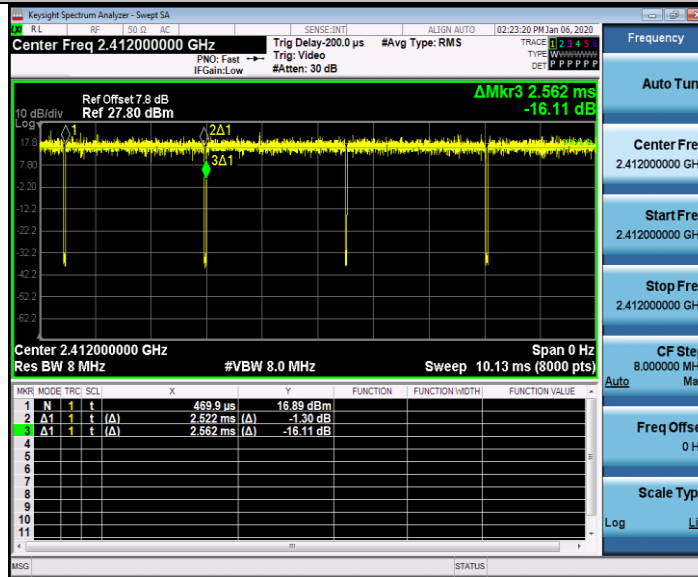
## 11G\_Ant1\_2437



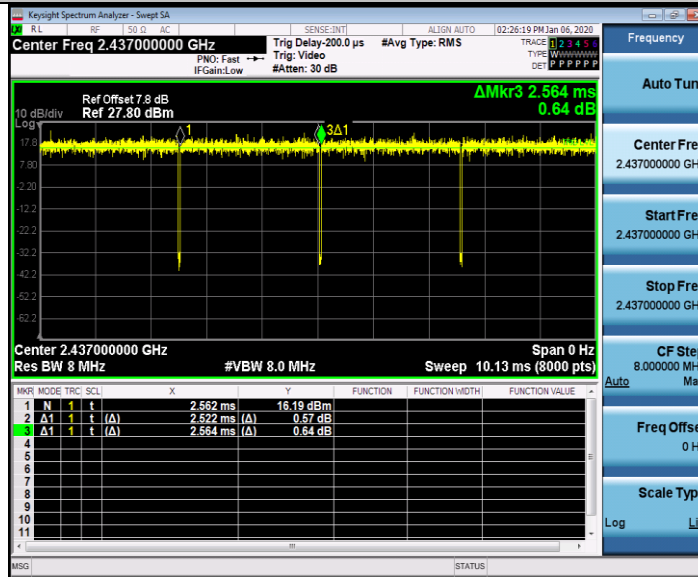
## 11G\_Ant1\_2462



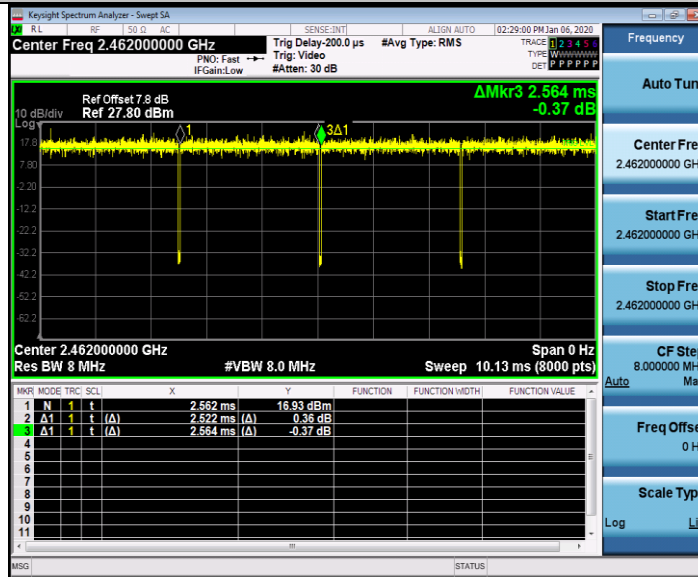
## 11N20SISO\_Ant1\_2412



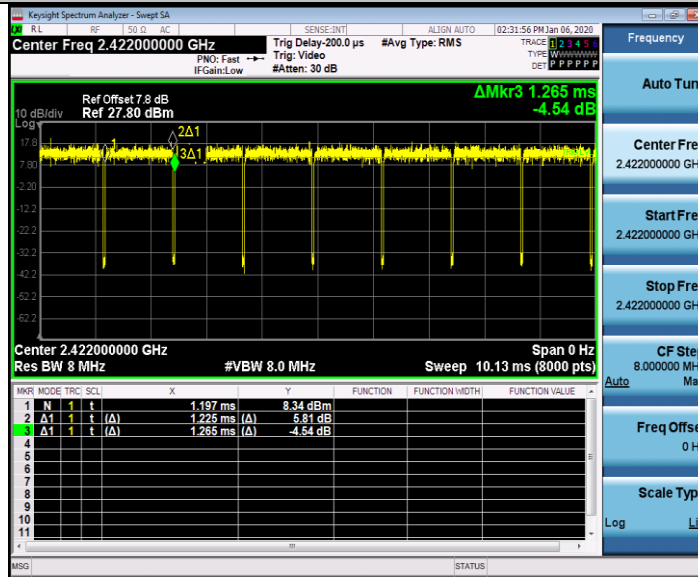
## 11N20SISO\_Ant1\_2437



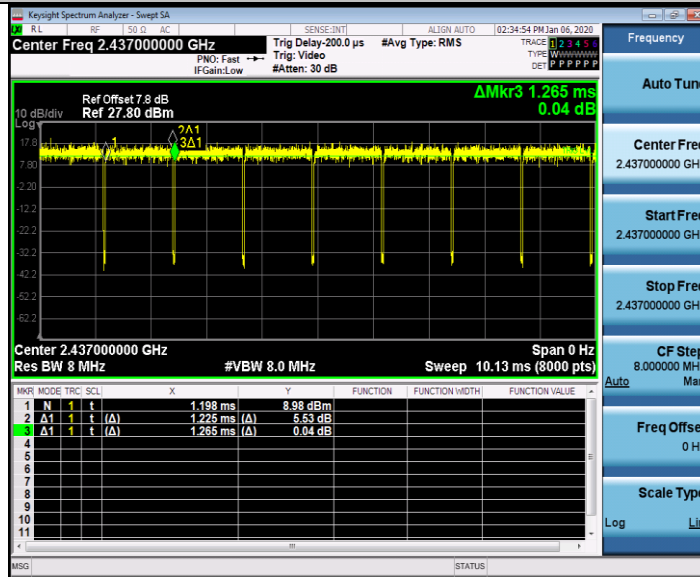
11N20SISO\_Ant1\_2462



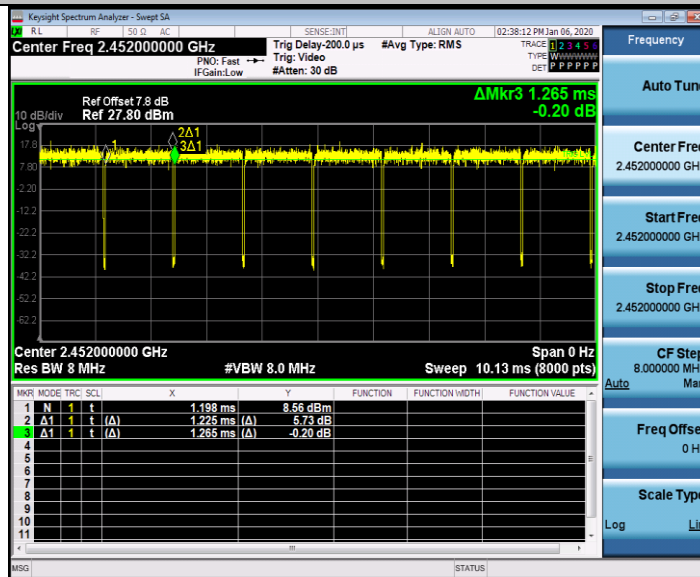
11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



## Appendix E: Maximum power spectral density

### Test Result

| TestMode  | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/30kHz] | Duty Cycle Factor | Verdict |
|-----------|---------|---------|----------------------|------------------|-------------------|---------|
| 11B       | Ant1    | 2412    | -4.55                | <=18             | 0.01              | PASS    |
|           |         | 2437    | -4.68                | <=18             | 0.01              | PASS    |
|           |         | 2462    | -4.43                | <=18             | 0.01              | PASS    |
| 11G       | Ant1    | 2412    | -9.08                | <=18             | 0.06              | PASS    |
|           |         | 2437    | -8.93                | <=18             | 0.06              | PASS    |
|           |         | 2462    | -8.66                | <=18             | 0.06              | PASS    |
| 11N20SISO | Ant1    | 2412    | -9.66                | <=18             | 0.06              | PASS    |
|           |         | 2437    | -9.46                | <=18             | 0.07              | PASS    |
|           |         | 2462    | -9.56                | <=18             | 0.07              | PASS    |
| 11N40SISO | Ant1    | 2422    | -12.22               | <=18             | 0.14              | PASS    |
|           |         | 2437    | -12.37               | <=18             | 0.14              | PASS    |
|           |         | 2452    | -12.85               | <=18             | 0.14              | PASS    |

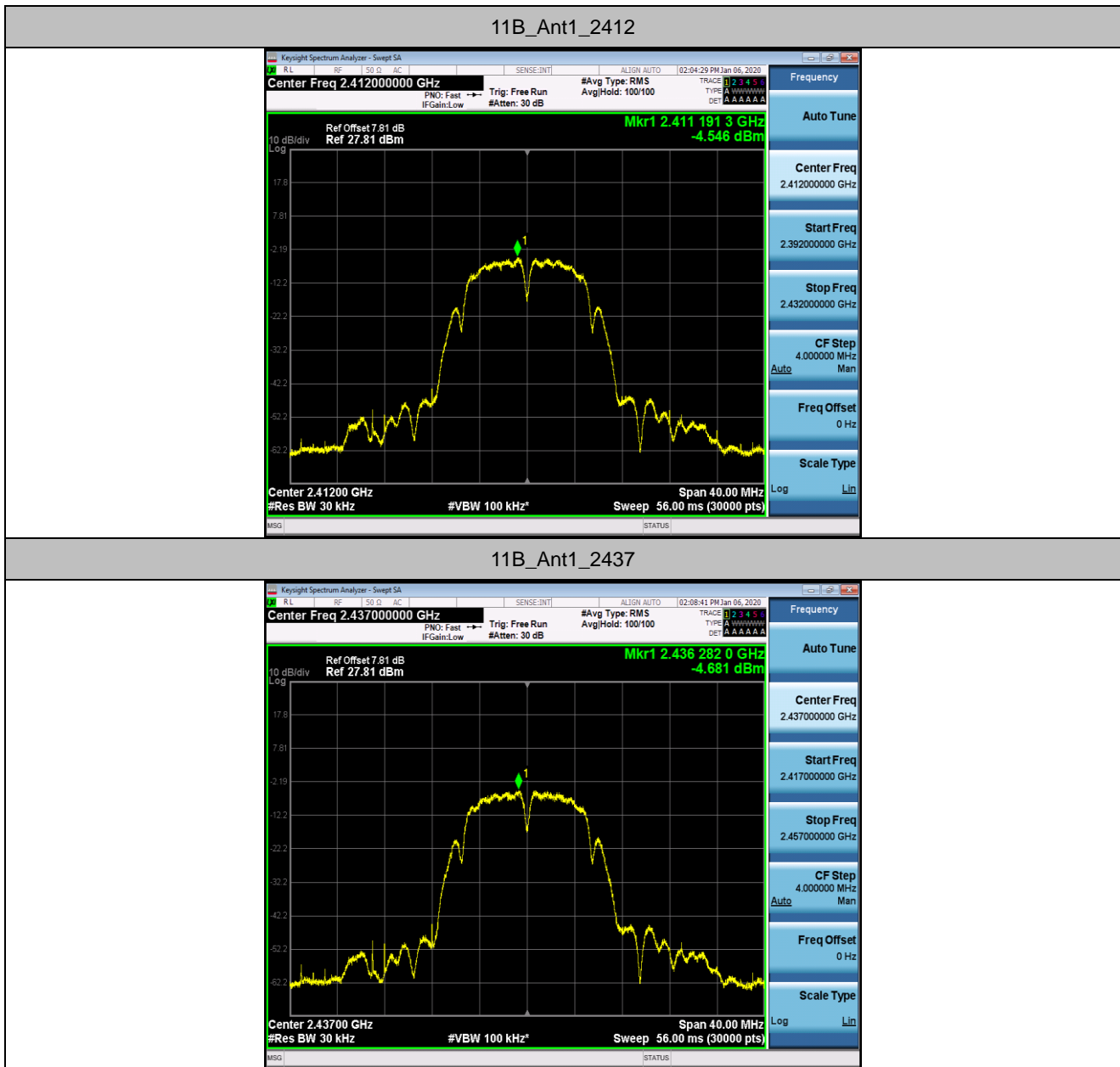
#### Note:

calculating the RBW=30kHz limit

$$8(\text{limit for RBW=3kHz})+10*\log(30/3)= 18$$



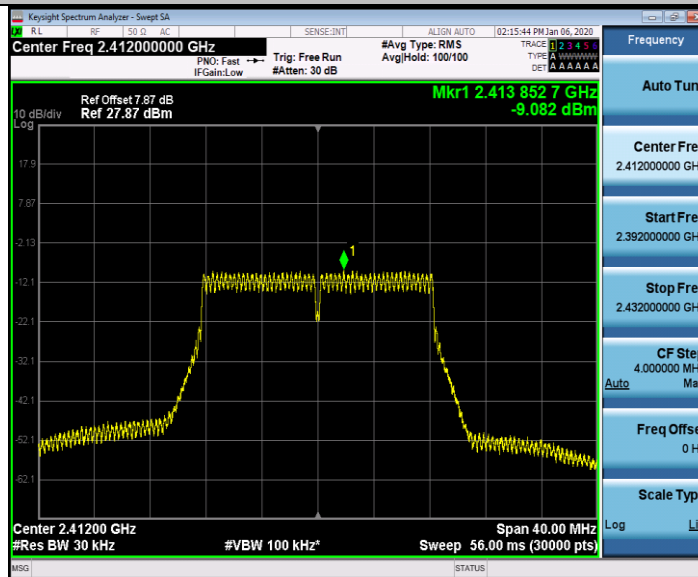
### Test Graphs



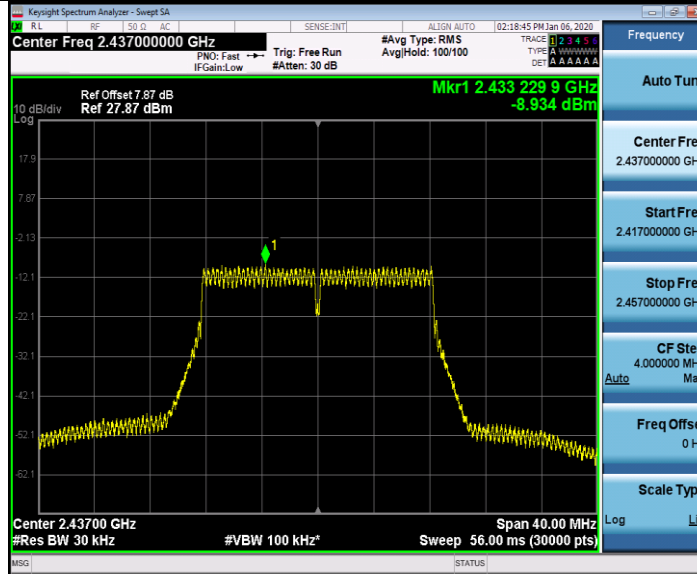
11B\_Ant1\_2462



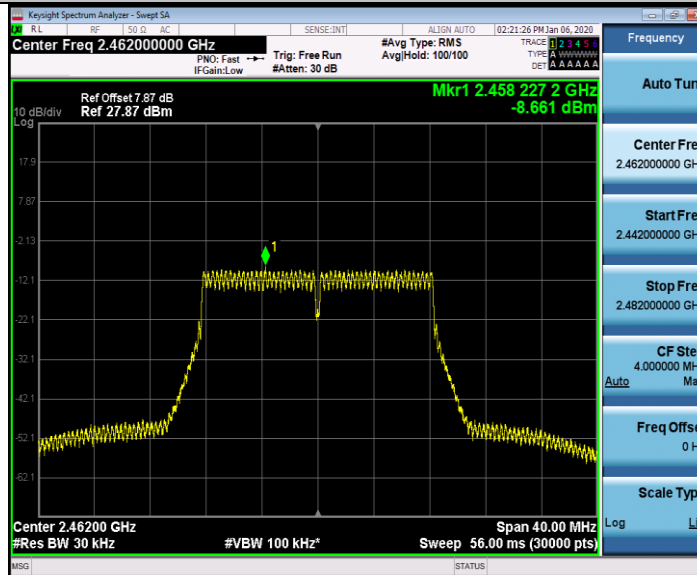
11G\_Ant1\_2412



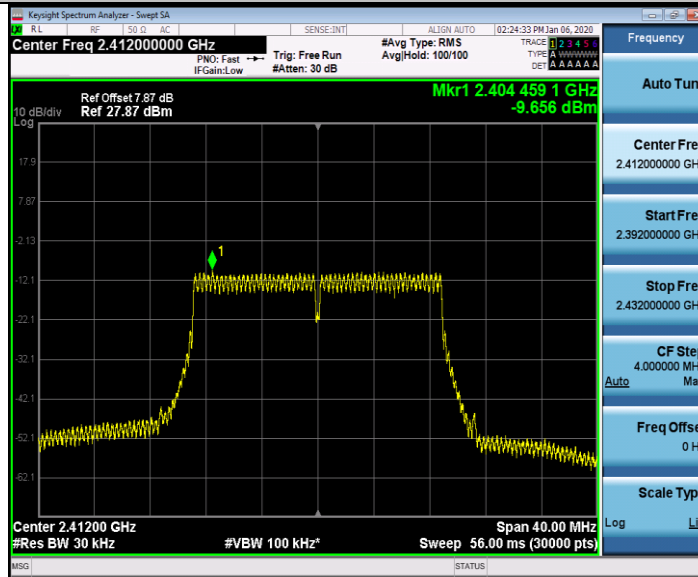
11G\_Ant1\_2437



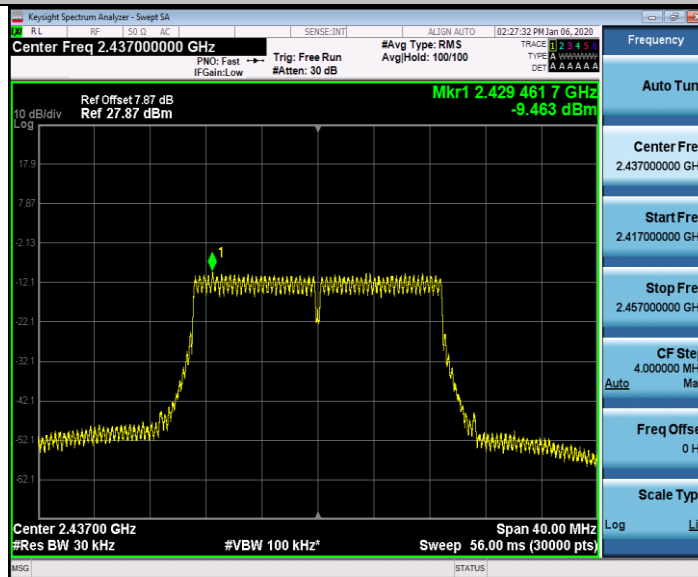
11G\_Ant1\_2462



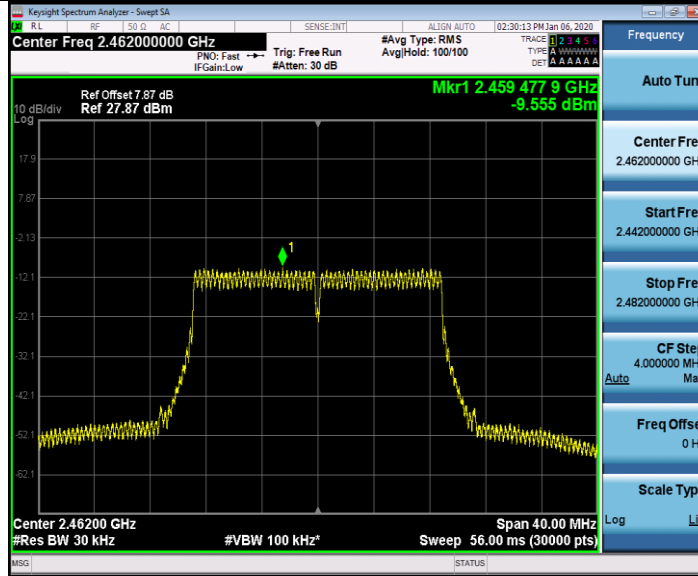
11N20SISO\_Ant1\_2412



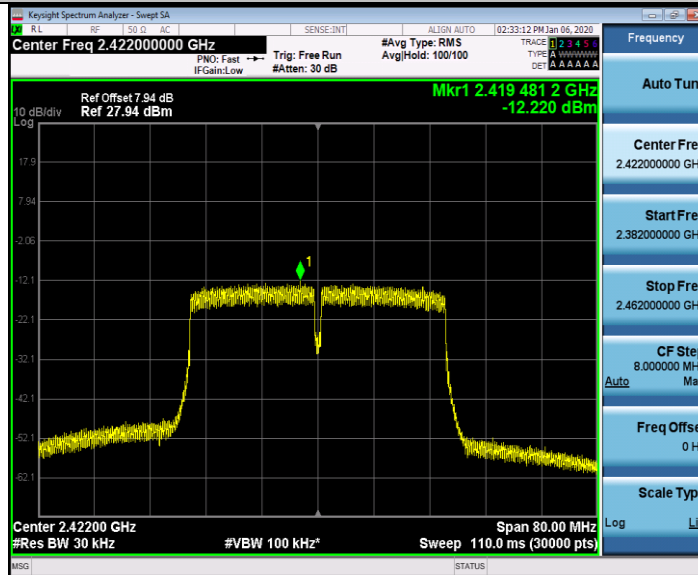
11N20SISO\_Ant1\_2437



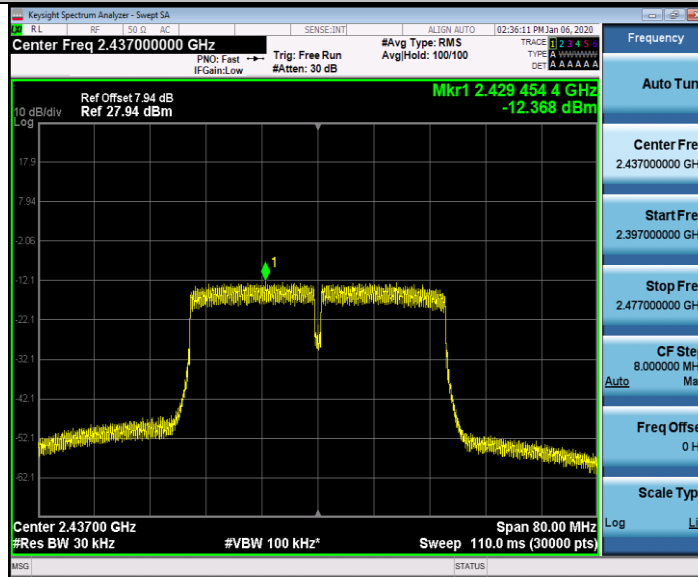
11N20SISO\_Ant1\_2462



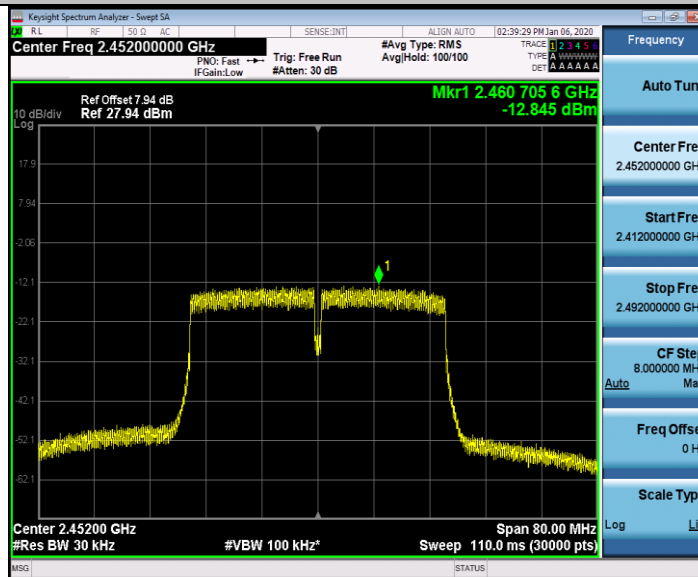
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



## Appendix F: Band edge measurements

### Test Result

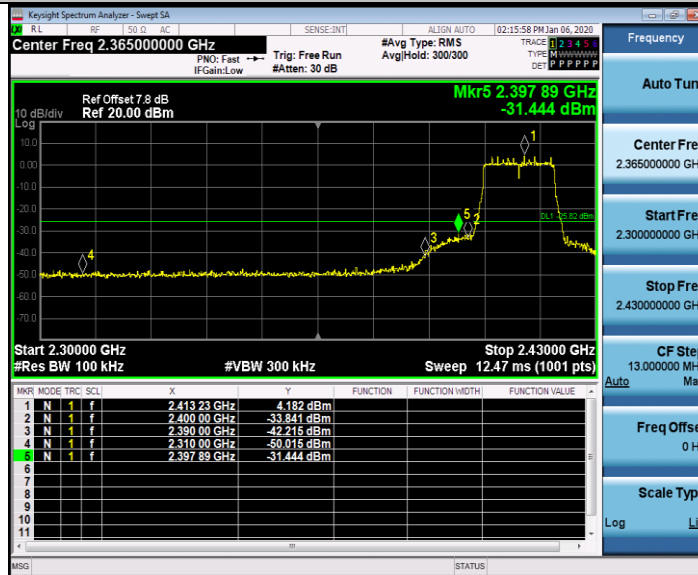
| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412    | 8.64          | -38.2       | <=-21.36   | PASS    |
|           |         | High   | 2462    | 8.77          | -46.41      | <=-21.23   | PASS    |
| 11G       | Ant1    | Low    | 2412    | 4.18          | -31.44      | <=-25.82   | PASS    |
|           |         | High   | 2462    | 4.04          | -40.43      | <=-25.96   | PASS    |
| 11N20SISO | Ant1    | Low    | 2412    | 3.40          | -31.15      | <=-26.61   | PASS    |
|           |         | High   | 2462    | 3.05          | -41.23      | <=-26.95   | PASS    |
| 11N40SISO | Ant1    | Low    | 2422    | 0.55          | -33.41      | <=-29.46   | PASS    |
|           |         | High   | 2452    | 0.51          | -38.75      | <=-29.49   | PASS    |

### Test Graphs

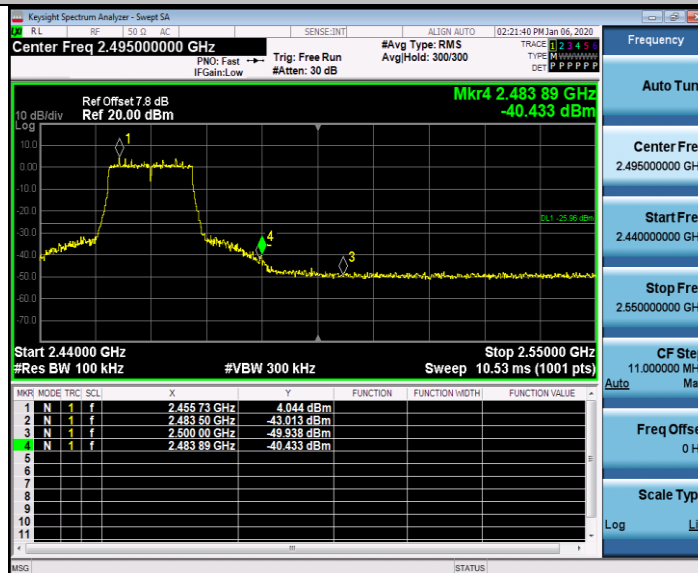




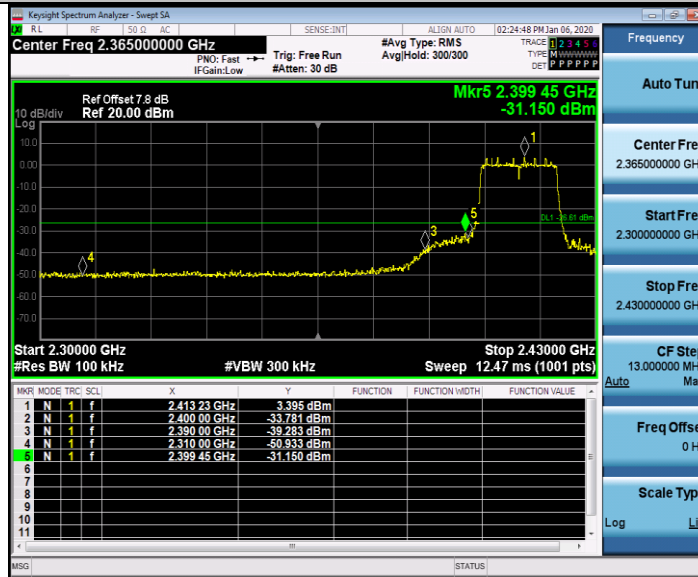
11G\_Ant1\_Low\_2412



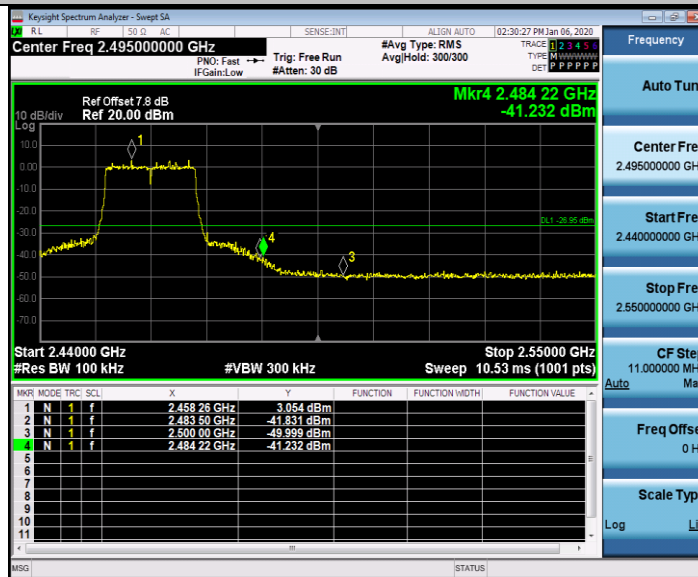
11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



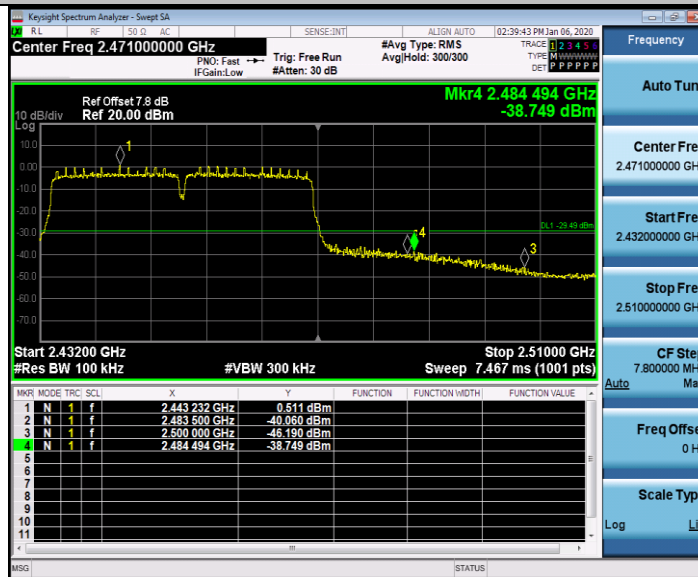
11N20SISO\_Ant1\_High\_2462



11N40SISO\_Ant1\_Low\_2422



11N40SISO\_Ant1\_High\_2452



## Appendix G: Conducted Spurious Emission

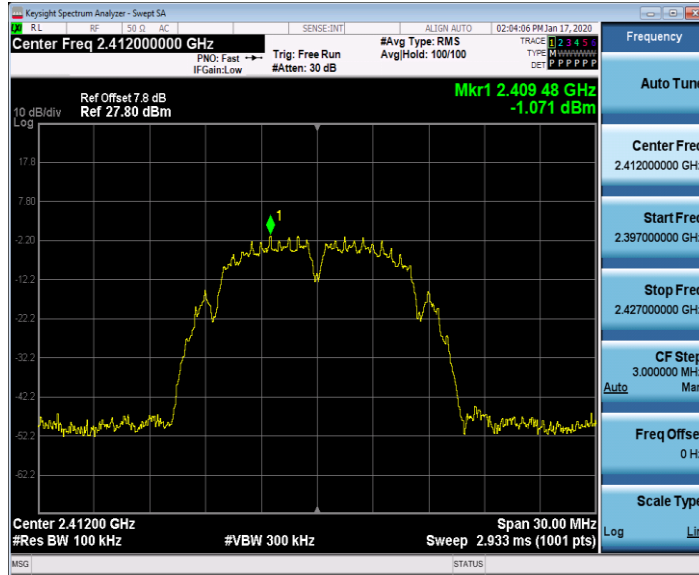
### Test Result

| TestMode  | Antenna | Channel | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| 11B       | Ant1    | 2412    | Reference          | -1.07             | -1.07           | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -57.425         | <=-31.071      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -39.196         | <=-31.071      | PASS    |
|           |         | 2437    | Reference          | -1.57             | -1.57           | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -57.984         | <=-31.565      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -38.728         | <=-31.565      | PASS    |
|           |         | 2462    | Reference          | -1.12             | -1.12           | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -56.817         | <=-31.123      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -38.622         | <=-31.123      | PASS    |
| 11G       | Ant1    | 2412    | Reference          | 3.23              | 3.23            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -67.217         | <=-26.772      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -48.528         | <=-26.772      | PASS    |
|           |         | 2437    | Reference          | 3.23              | 3.23            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -66.799         | <=-26.769      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -48.122         | <=-26.769      | PASS    |
|           |         | 2462    | Reference          | 3.96              | 3.96            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -67.48          | <=-26.045      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -49.298         | <=-26.045      | PASS    |
| 11N20SISO | Ant1    | 2412    | Reference          | 3.57              | 3.57            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -66.587         | <=-26.435      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -48.782         | <=-26.435      | PASS    |
|           |         | 2437    | Reference          | 2.91              | 2.91            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -67.068         | <=-27.091      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -48.494         | <=-27.091      | PASS    |
|           |         | 2462    | Reference          | 1.04              | 1.04            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -67.449         | <=-28.964      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -48.929         | <=-28.964      | PASS    |
| 11N40SISO | Ant1    | 2422    | Reference          | 0.22              | 0.22            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -67.14          | <=-29.785      | PASS    |

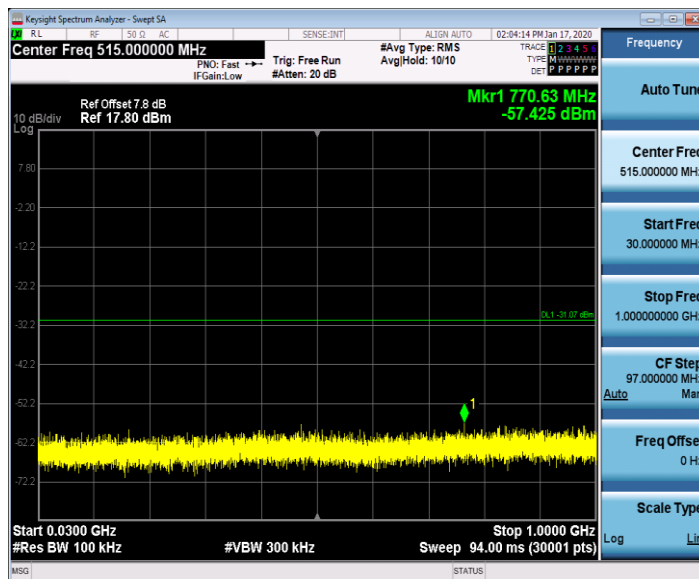
|  |  |      |            |            |         |           |      |
|--|--|------|------------|------------|---------|-----------|------|
|  |  |      | 1000~26500 | 1000~26500 | -49.069 | <=-29.785 | PASS |
|  |  | 2437 | Reference  | 0.91       | 0.91    | ---       | PASS |
|  |  |      | 30~1000    | 30~1000    | -66.4   | <=-29.091 | PASS |
|  |  |      | 1000~26500 | 1000~26500 | -49.076 | <=-29.091 | PASS |
|  |  | 2452 | Reference  | 0.41       | 0.41    | ---       | PASS |
|  |  |      | 30~1000    | 30~1000    | -59.679 | <=-29.59  | PASS |
|  |  |      | 1000~26500 | 1000~26500 | -49.411 | <=-29.59  | PASS |

### Test Graphs

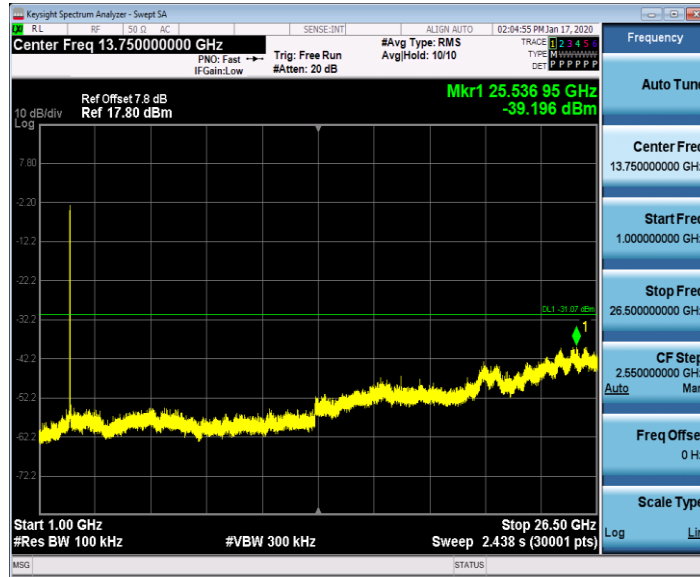
11B\_Ant1\_2412\_0~Reference



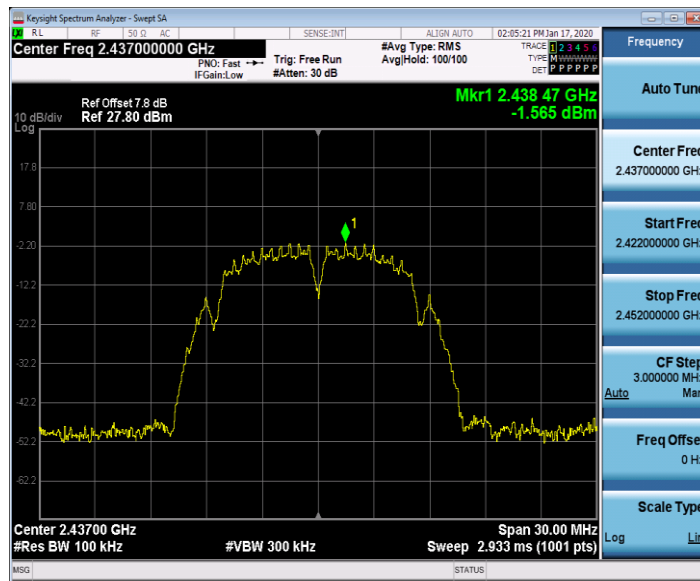
11B\_Ant1\_2412\_30~1000



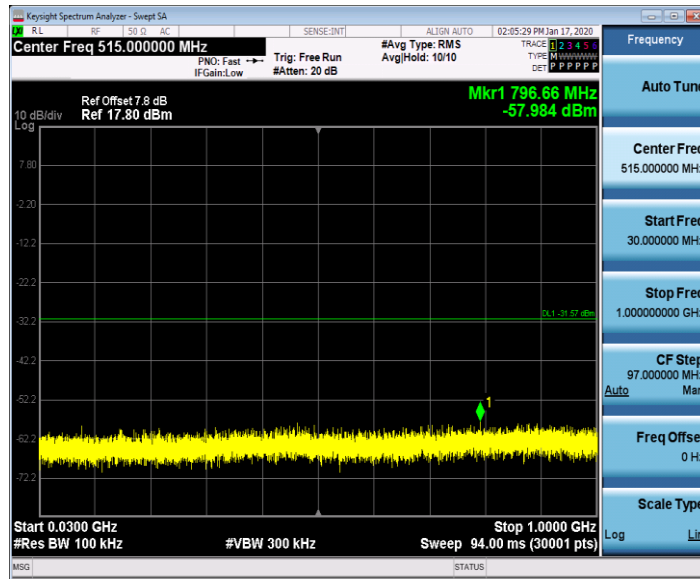
11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

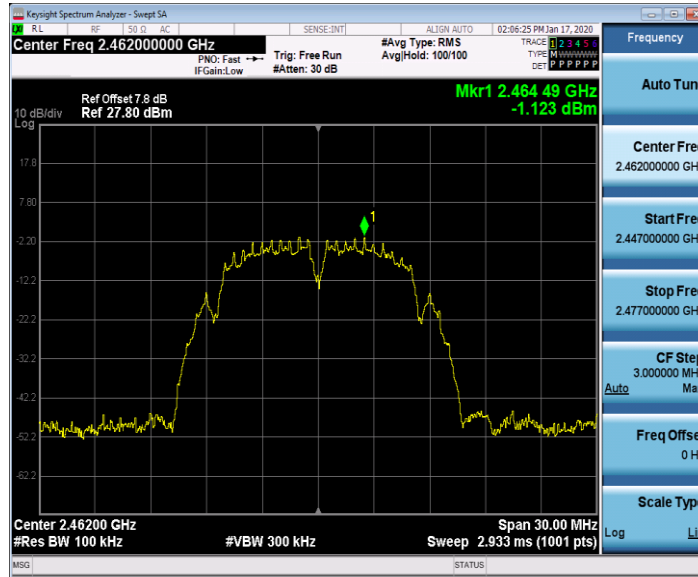


11B\_Ant1\_2437\_1000~26500

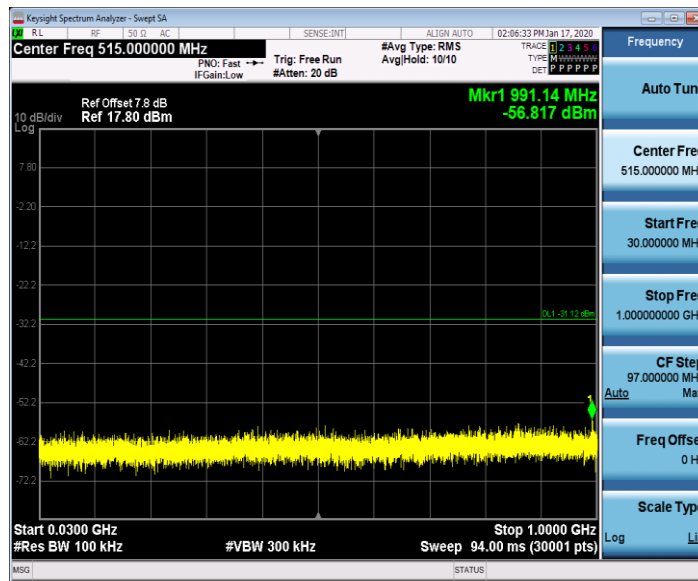




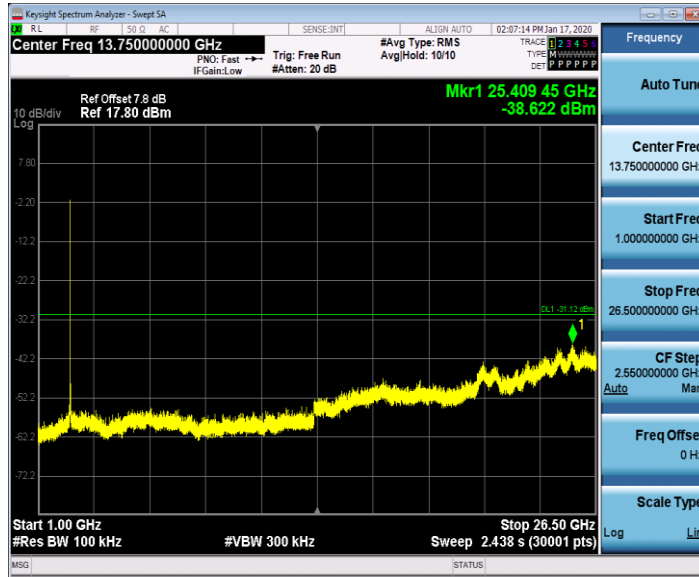
11B\_Ant1\_2462\_0~Reference



11B\_Ant1\_2462\_30~1000



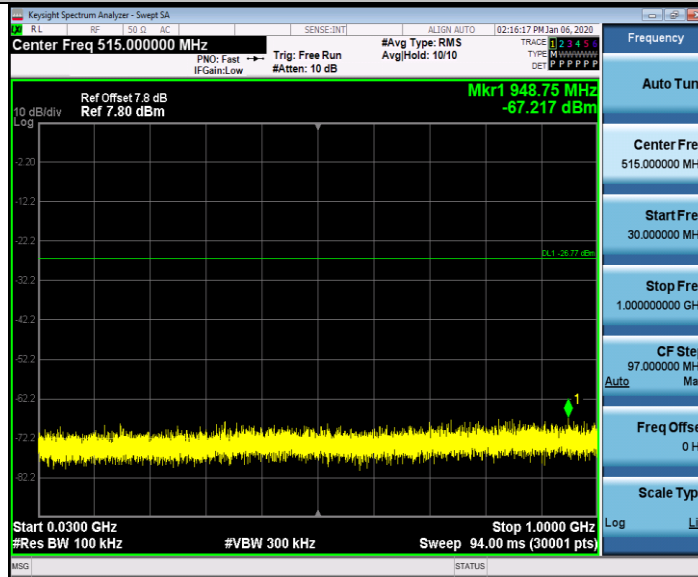
11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference



11G\_Ant1\_2412\_30~1000



11G\_Ant1\_2412\_1000~26500

