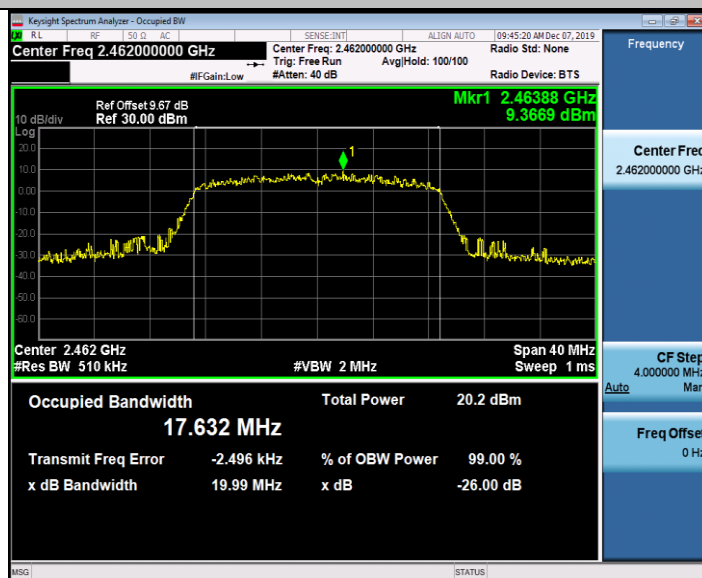
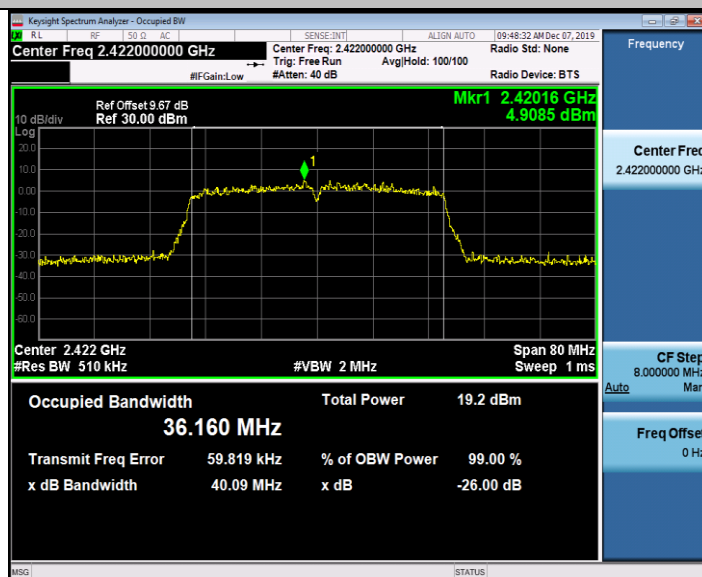


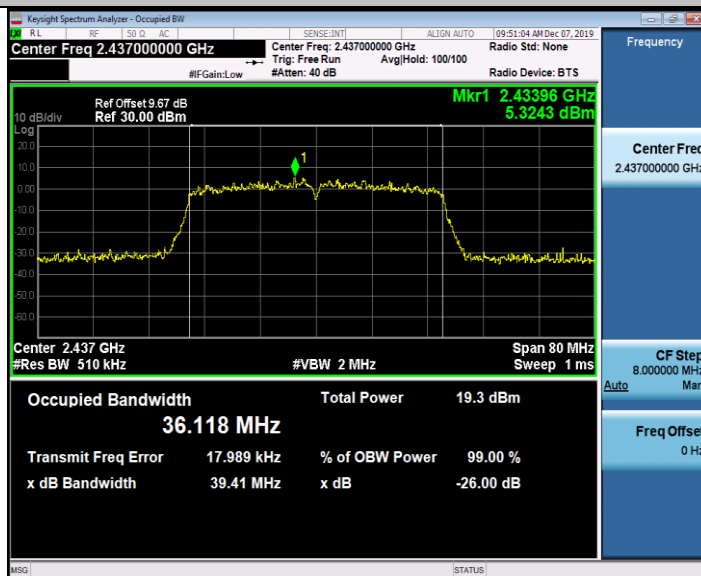
## 11N20SISO\_Ant1\_2462



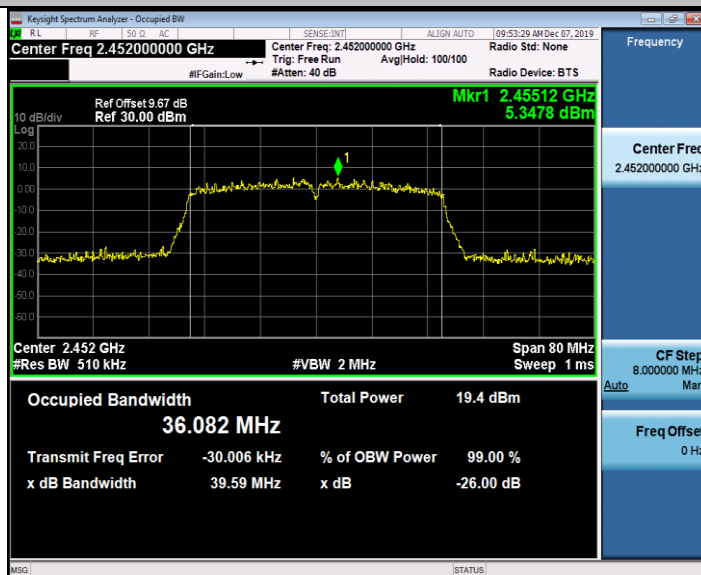
## 11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



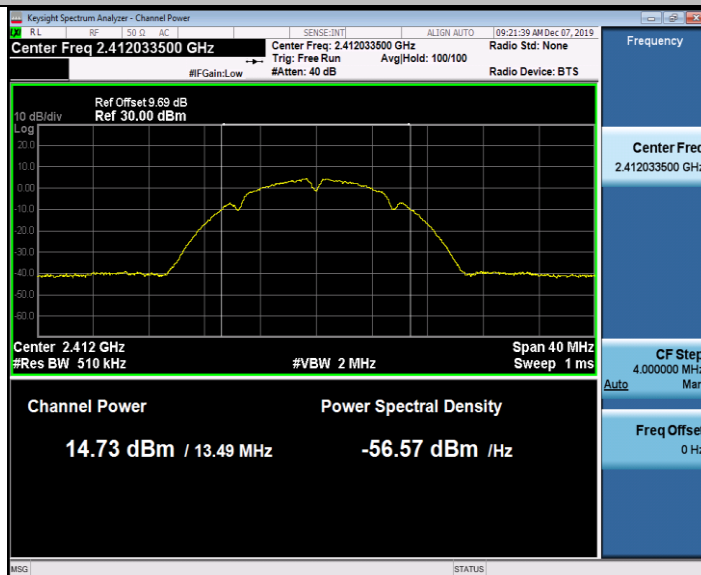
## Appendix C: Maximum conducted output power

### Test Result

| TestMode  | Antenna | Channel | DT (%) | 10 log<br>(1/x) | Result<br>[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|--------|-----------------|-----------------|------------|---------|
| 11B       | Ant1    | 2412    | 99.58  | 0.02            | 14.73           | <=30       | PASS    |
|           |         | 2437    | 99.61  | 0.02            | 14.51           | <=30       | PASS    |
|           |         | 2462    | 99.61  | 0.02            | 14.90           | <=30       | PASS    |
| 11G       | Ant1    | 2412    | 97.34  | 0.12            | 13.42           | <=30       | PASS    |
|           |         | 2437    | 97.34  | 0.12            | 13.22           | <=30       | PASS    |
|           |         | 2462    | 97.34  | 0.12            | 13.58           | <=30       | PASS    |
| 11N20SISO | Ant1    | 2412    | 97.13  | 0.13            | 12.81           | <=30       | PASS    |
|           |         | 2437    | 97.13  | 0.13            | 12.86           | <=30       | PASS    |
|           |         | 2462    | 97.13  | 0.13            | 12.91           | <=30       | PASS    |
| 11N40SISO | Ant1    | 2422    | 99.58  | 0.02            | 12.22           | <=30       | PASS    |
|           |         | 2437    | 99.61  | 0.02            | 12.27           | <=30       | PASS    |
|           |         | 2452    | 99.61  | 0.02            | 12.43           | <=30       | PASS    |

## Test Graphs

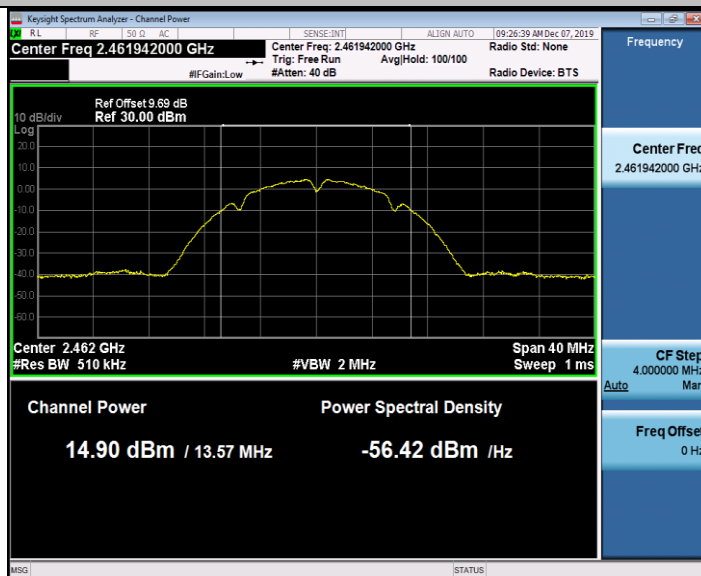
11B\_Ant1\_2412



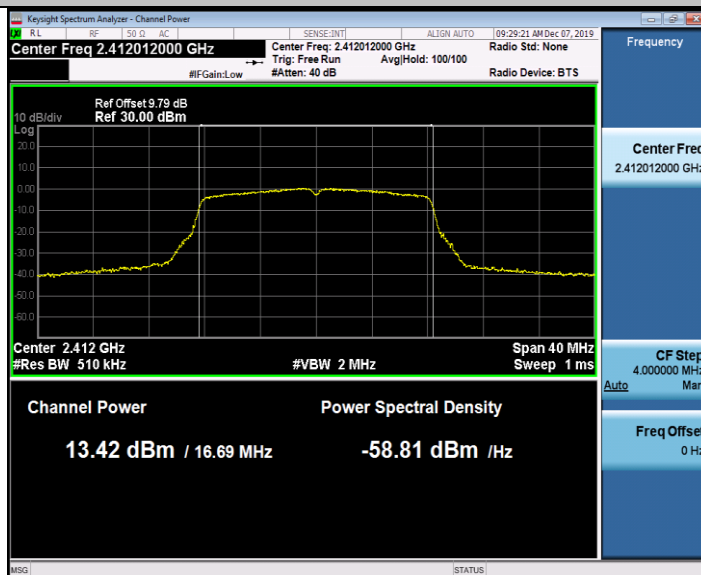
11B\_Ant1\_2437



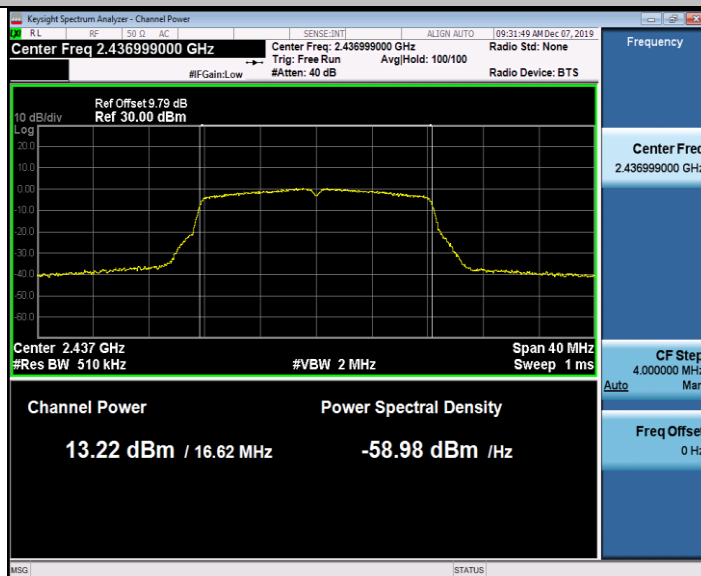
## 11B\_Ant1\_2462



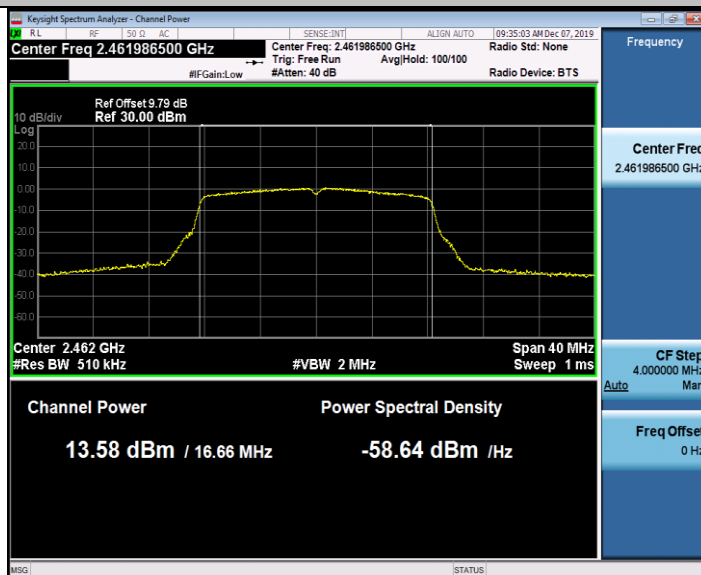
## 11G\_Ant1\_2412



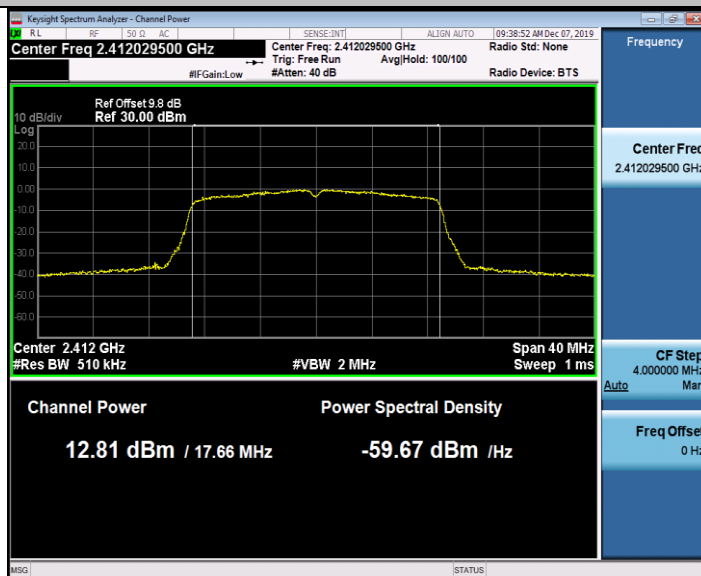
### 11G\_Ant1\_2437



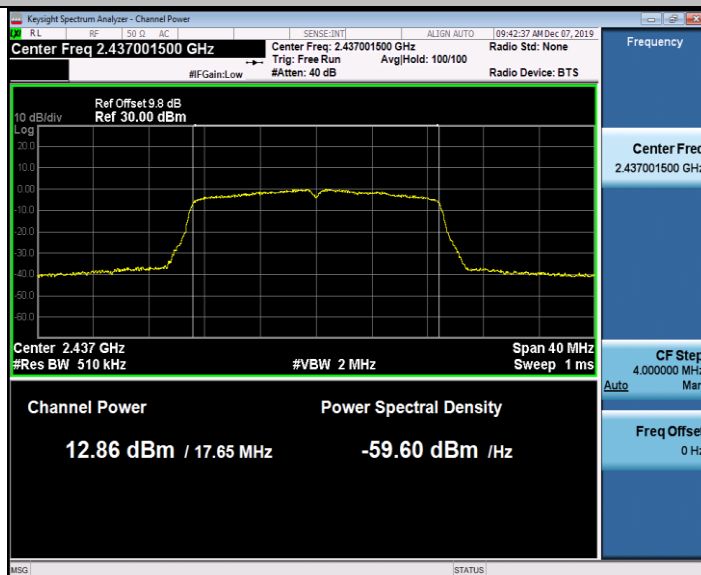
### 11G\_Ant1\_2462



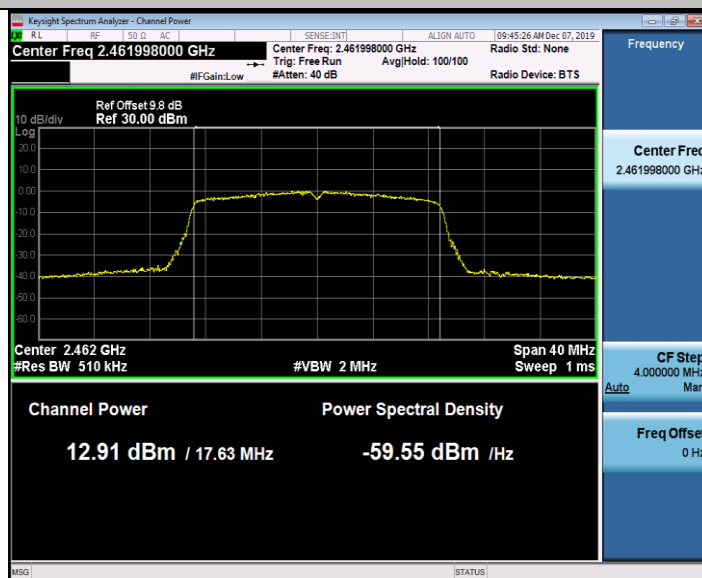
## 11N20SISO\_Ant1\_2412



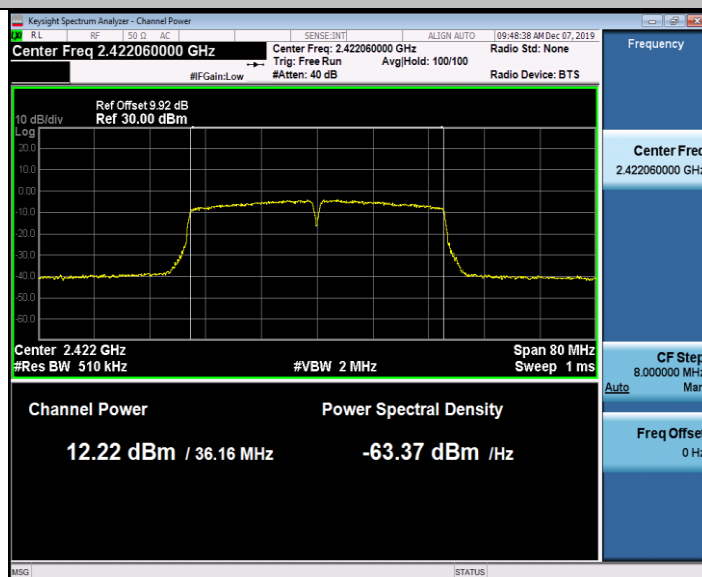
## 11N20SISO\_Ant1\_2437



## 11N20SISO\_Ant1\_2462

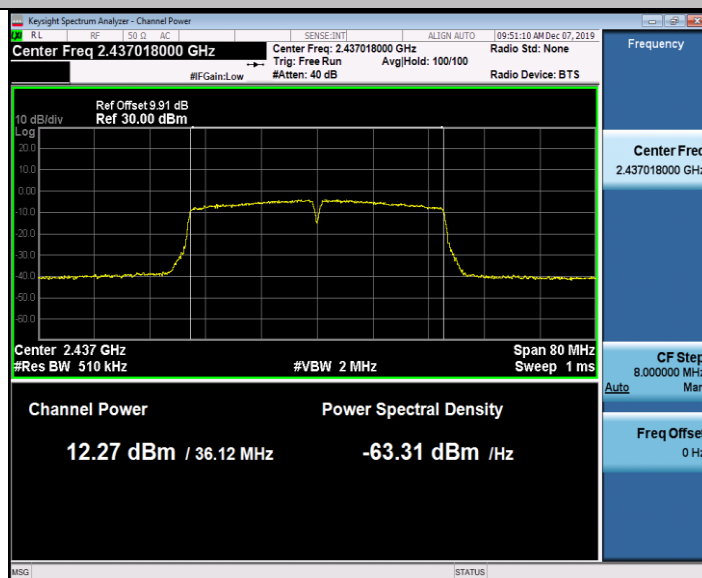


## 11N40SISO\_Ant1\_2422

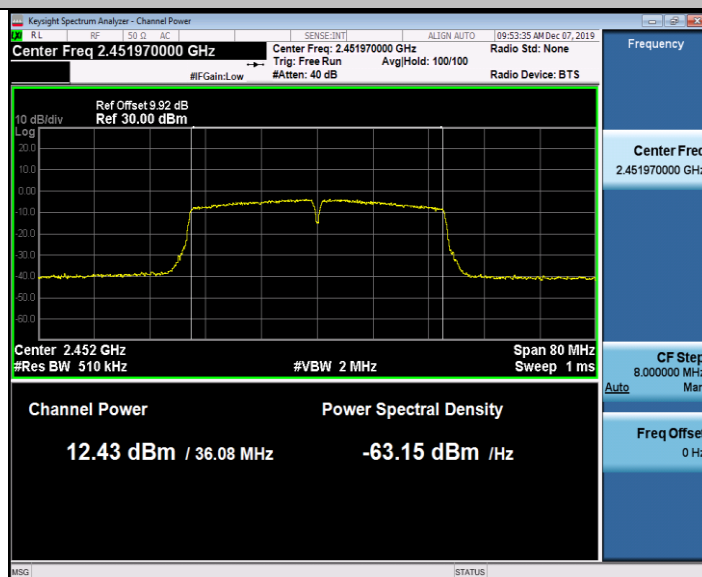




## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



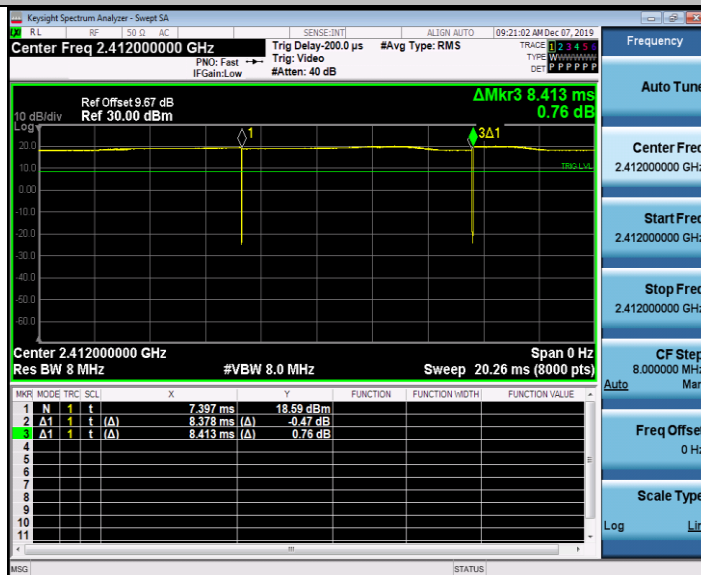
## Appendix D: Duty Cycle

### Test Result

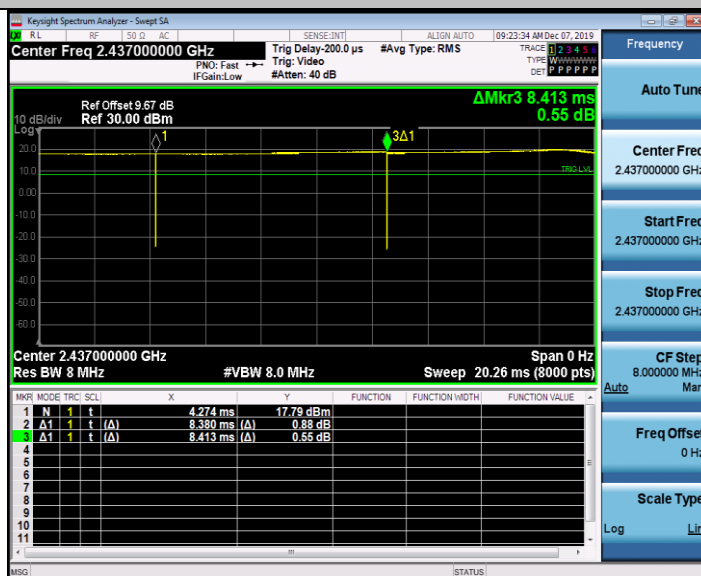
| TestMode  | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|-----------|---------|---------|----------------------------|--------------------------|----------------|
| 11B       | Ant1    |         | 8.38                       | 8.41                     | 99.58          |
|           |         |         | 8.38                       | 8.41                     | 99.61          |
|           |         |         | 8.38                       | 8.41                     | 99.61          |
| 11G       | Ant1    |         | 1.39                       | 1.43                     | 97.34          |
|           |         |         | 1.39                       | 1.43                     | 97.34          |
|           |         |         | 1.39                       | 1.43                     | 97.34          |
| 11N20SISO | Ant1    |         | 1.29                       | 1.32                     | 97.13          |
|           |         |         | 1.29                       | 1.32                     | 97.13          |
|           |         |         | 1.29                       | 1.32                     | 97.13          |

## Test Graphs

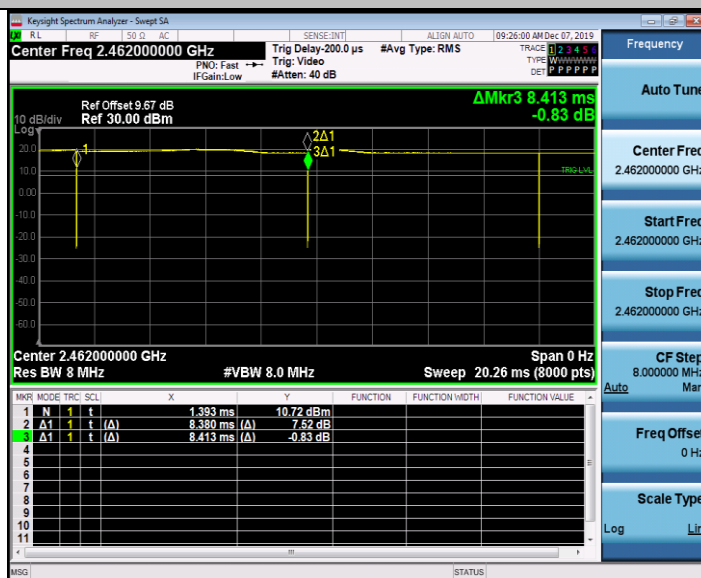
11B\_Ant1\_2412



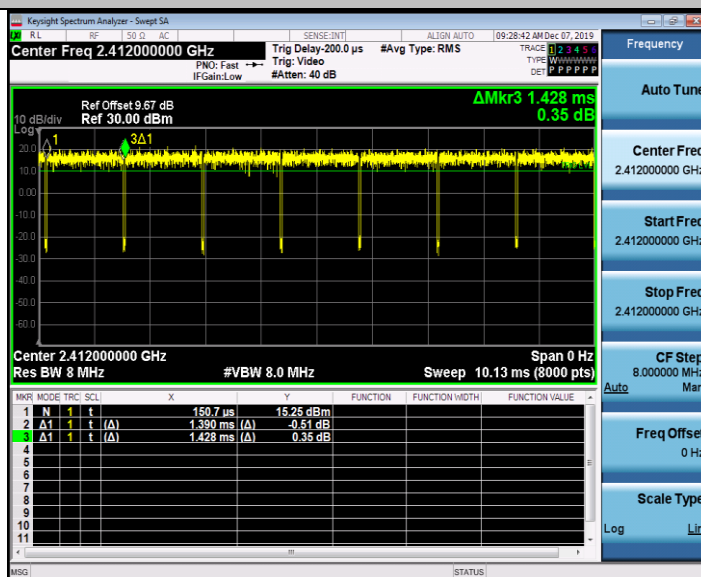
11B\_Ant1\_2437



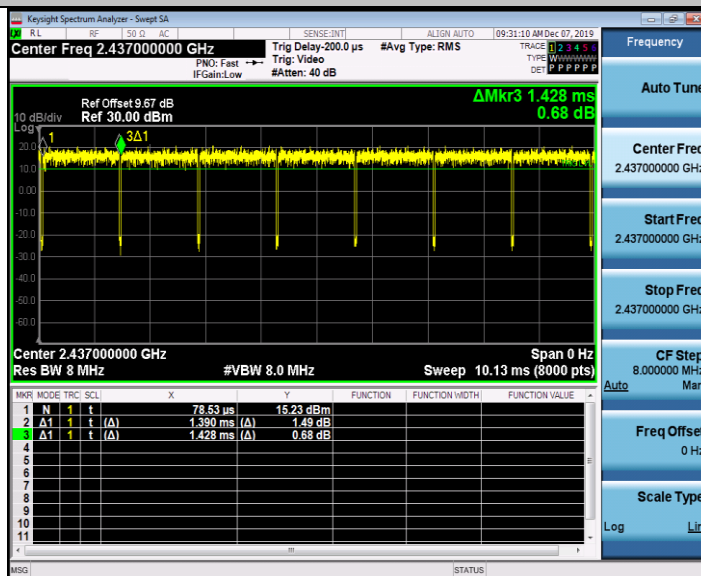
### 11B\_Ant1\_2462



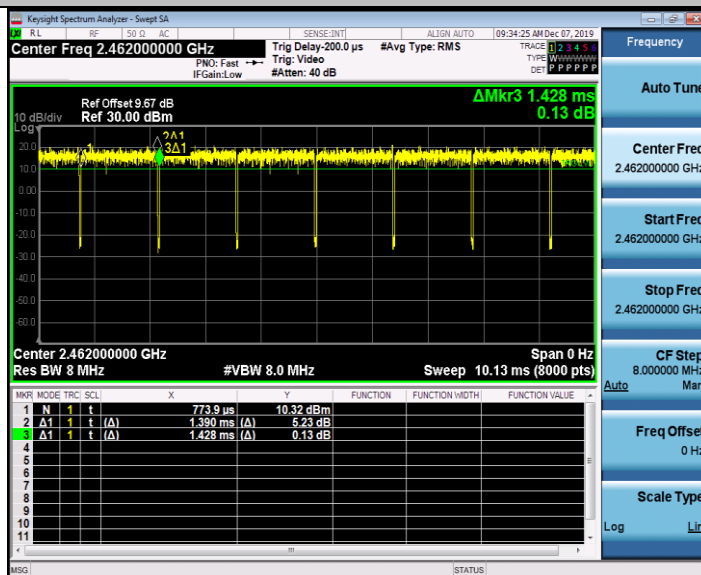
### 11G\_Ant1\_2412



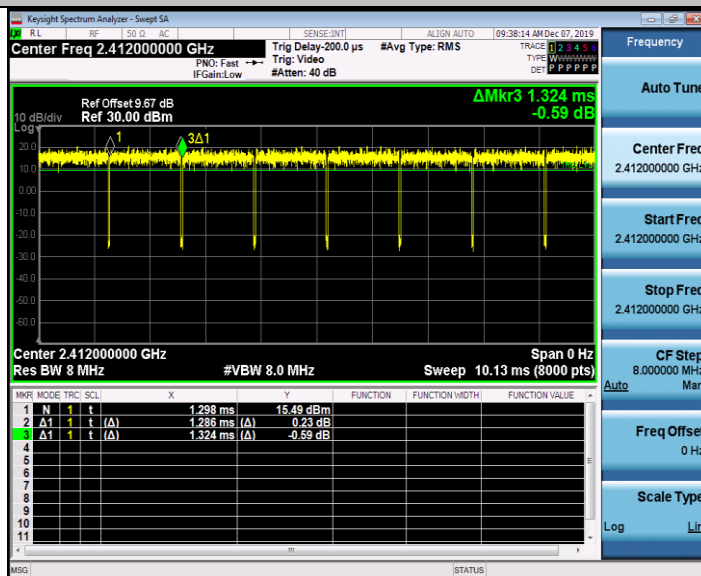
## 11G\_Ant1\_2437



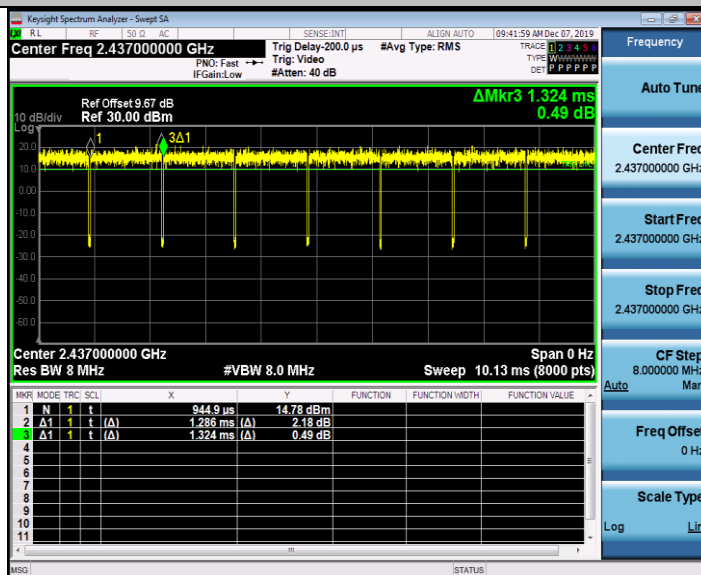
## 11G\_Ant1\_2462



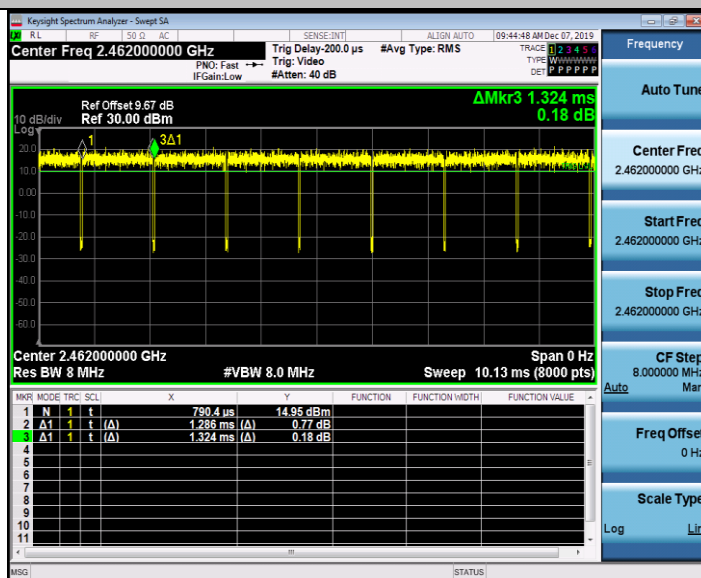
## 11N20SISO\_Ant1\_2412



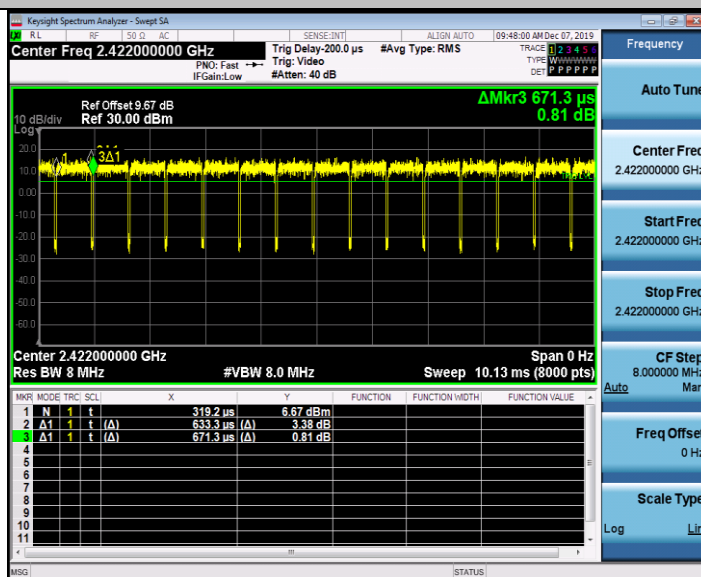
## 11N20SISO\_Ant1\_2437



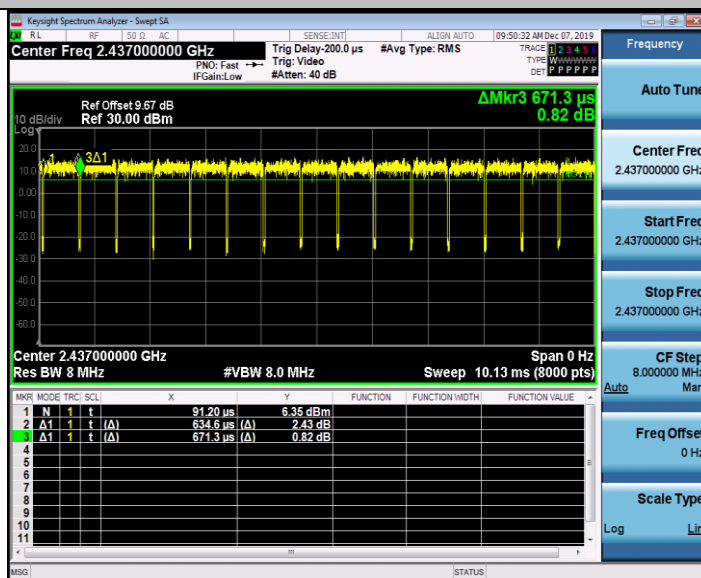
## 11N20SISO\_Ant1\_2462



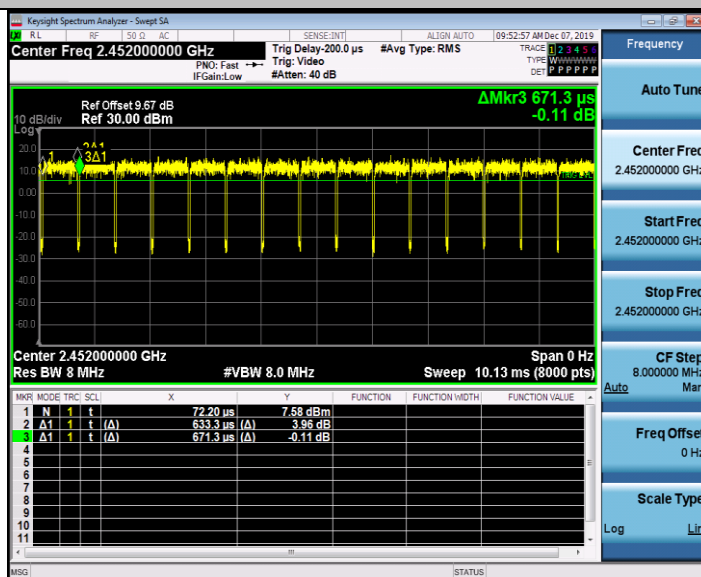
## 11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452





## Appendix E: Maximum power spectral density

### Test Result

| TestMode  | Antenna | Channel | DT (%) | 10 log<br>(1/x) | Result<br>[dBm/30kHz] | Result<br>[dBm/3kHz] | Limit<br>[dBm/3kHz] | Verdict |
|-----------|---------|---------|--------|-----------------|-----------------------|----------------------|---------------------|---------|
| 11B       | Ant1    | 2412    | 99.58  | 0.02            | 4.43                  | -5.57                | <=8                 | PASS    |
|           |         | 2437    | 99.61  | 0.02            | 4.16                  | -5.84                | <=8                 | PASS    |
|           |         | 2462    | 99.61  | 0.02            | 4.63                  | -5.37                | <=8                 | PASS    |
| 11G       | Ant1    | 2412    | 97.34  | 0.12            | -2.35                 | -12.35               | <=8                 | PASS    |
|           |         | 2437    | 97.34  | 0.12            | -2.58                 | -12.58               | <=8                 | PASS    |
|           |         | 2462    | 97.34  | 0.12            | -2.22                 | -12.22               | <=8                 | PASS    |
| 11N20SISO | Ant1    | 2412    | 97.13  | 0.13            | -2.54                 | -12.54               | <=8                 | PASS    |
|           |         | 2437    | 97.13  | 0.13            | -2.72                 | -12.72               | <=8                 | PASS    |
|           |         | 2462    | 97.13  | 0.13            | -2.03                 | -12.03               | <=8                 | PASS    |
| 11N40SISO | Ant1    | 2422    | 99.58  | 0.02            | -6.1                  | -16.1                | <=8                 | PASS    |
|           |         | 2437    | 99.61  | 0.02            | -5.93                 | -15.93               | <=8                 | PASS    |
|           |         | 2452    | 99.61  | 0.02            | -6.03                 | -16.03               | <=8                 | PASS    |

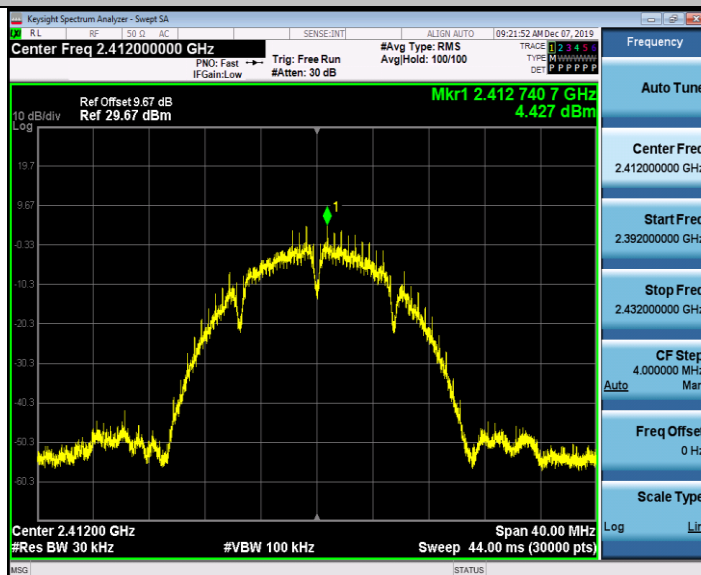
Note:

calculating the RBW=3kHz value

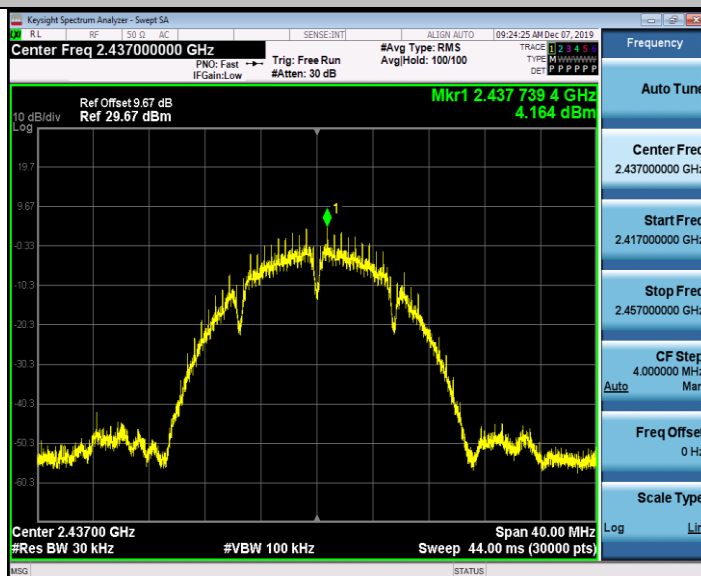
4.43 (AV.PSD At RBW=30kHz)-10\*log(30/3)=-5.57(AV.PSD At RBW=3kHz)

## Test Graphs

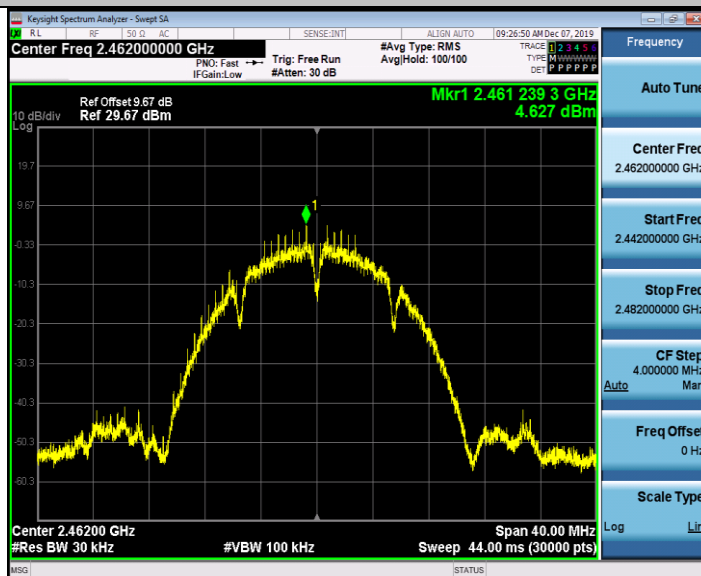
11B\_Ant1\_2412



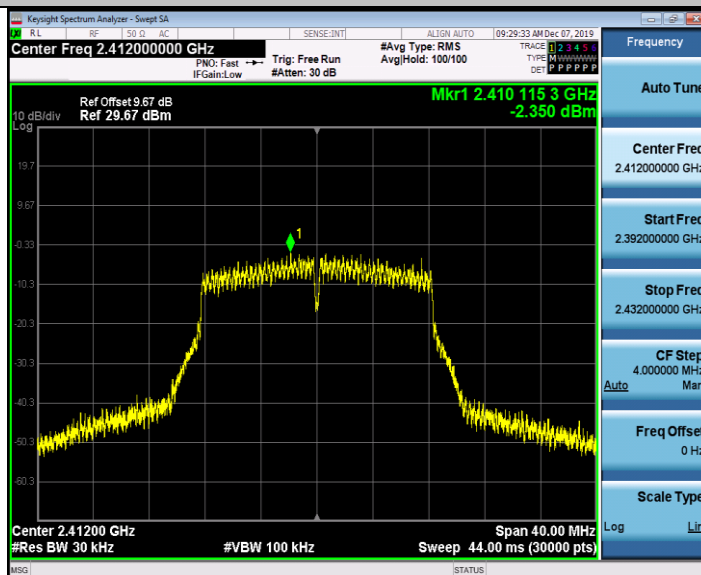
11B\_Ant1\_2437



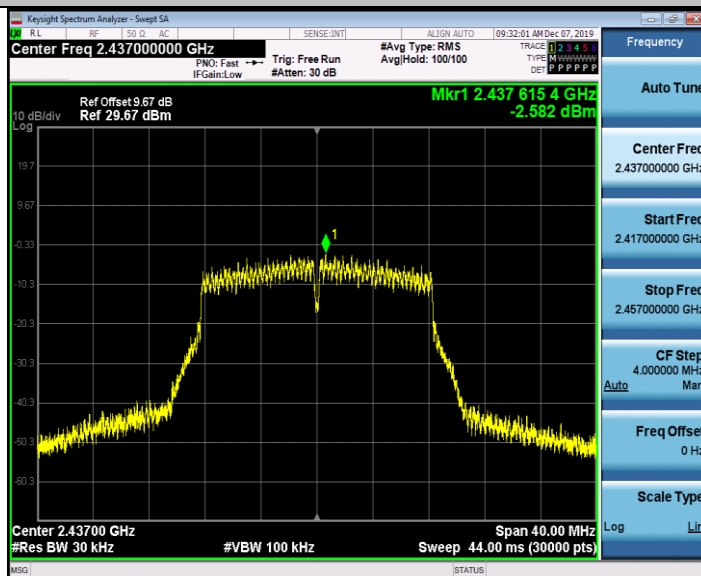
## 11B\_Ant1\_2462



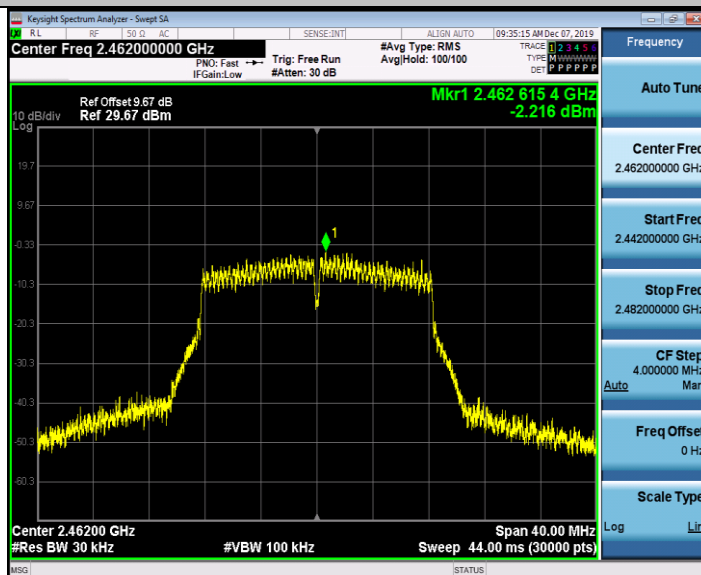
## 11G\_Ant1\_2412



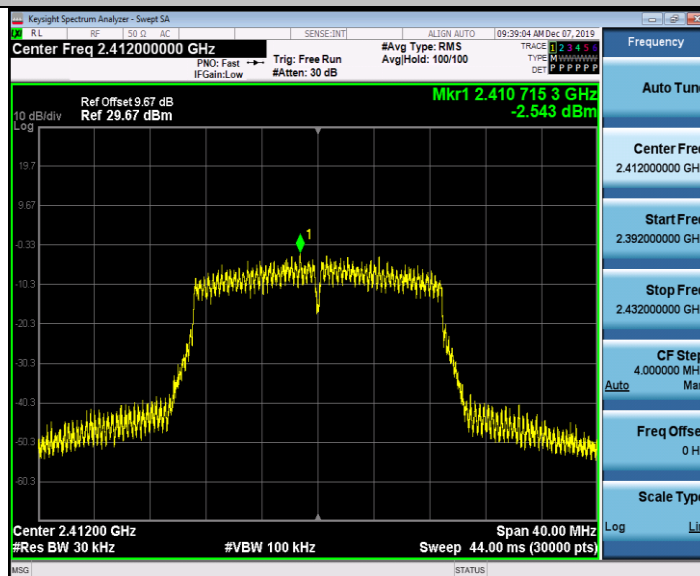
## 11G\_Ant1\_2437



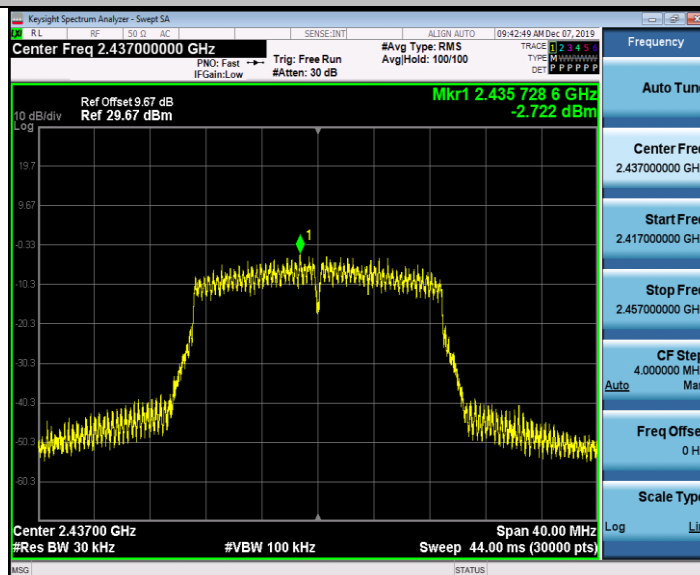
## 11G\_Ant1\_2462



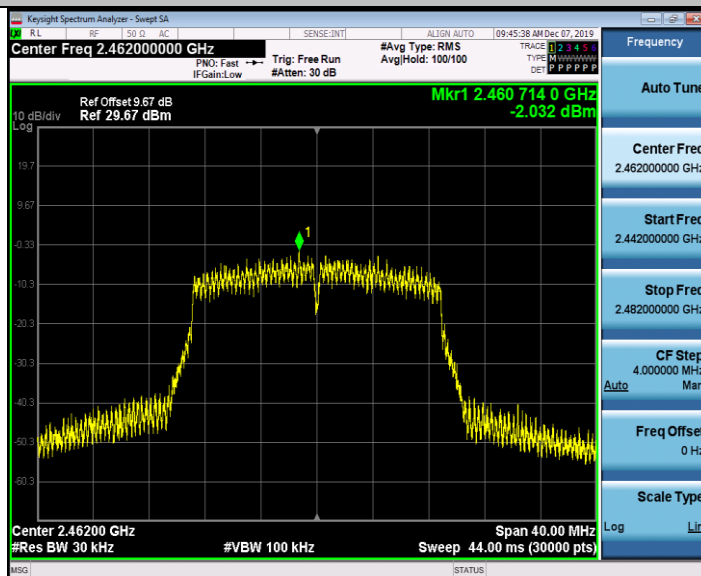
## 11N20SISO\_Ant1\_2412



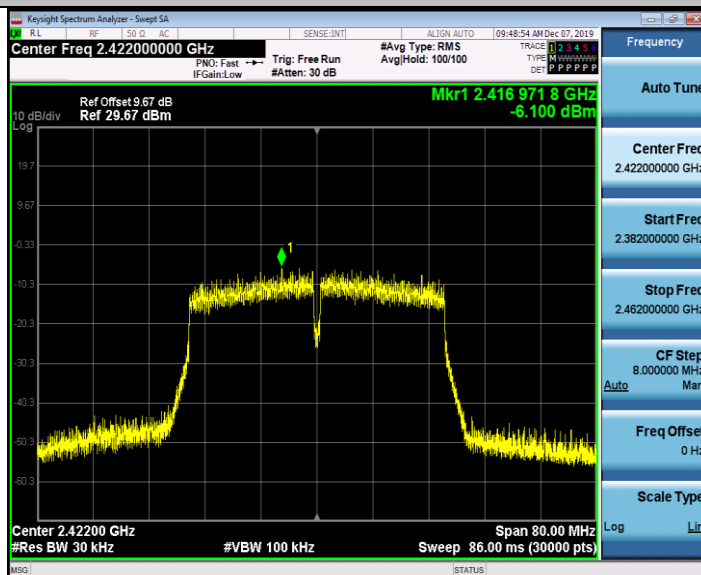
## 11N20SISO\_Ant1\_2437



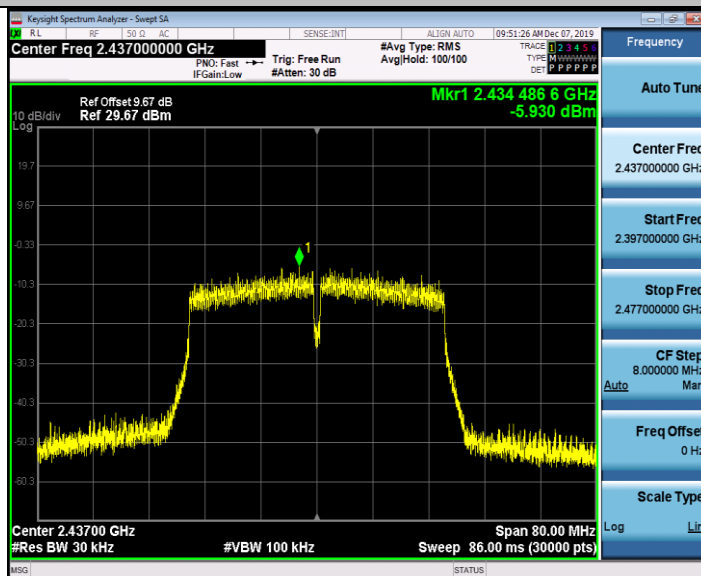
## 11N20SISO\_Ant1\_2462



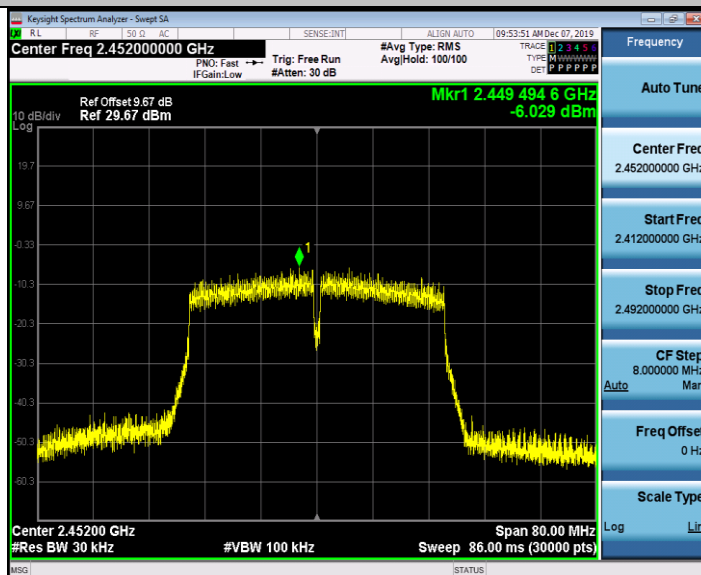
## 11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



## Appendix F: Band edge measurements

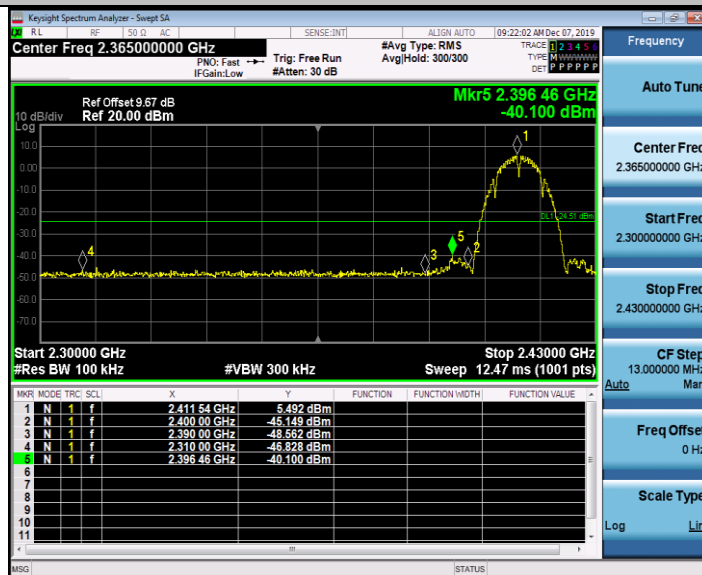
### Test Result

| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    |        |         | 5.49          | -40.1       | <=-24.51   | PASS    |
|           |         |        |         | 5.73          | -45.51      | <=-24.27   | PASS    |
| 11G       | Ant1    |        |         | 3.24          | -31.77      | <=-26.76   | PASS    |
|           |         |        |         | 3.61          | -41.91      | <=-26.39   | PASS    |
| 11N20SISO | Ant1    |        |         | 2.34          | -31.96      | <=-27.66   | PASS    |
|           |         |        |         | 2.75          | -43.06      | <=-27.25   | PASS    |
| 11N40SISO | Ant1    |        |         | -0.92         | -36.05      | <=-30.92   | PASS    |
|           |         | High   | 2452    | -0.81         | -39.6       | <=-30.81   | PASS    |

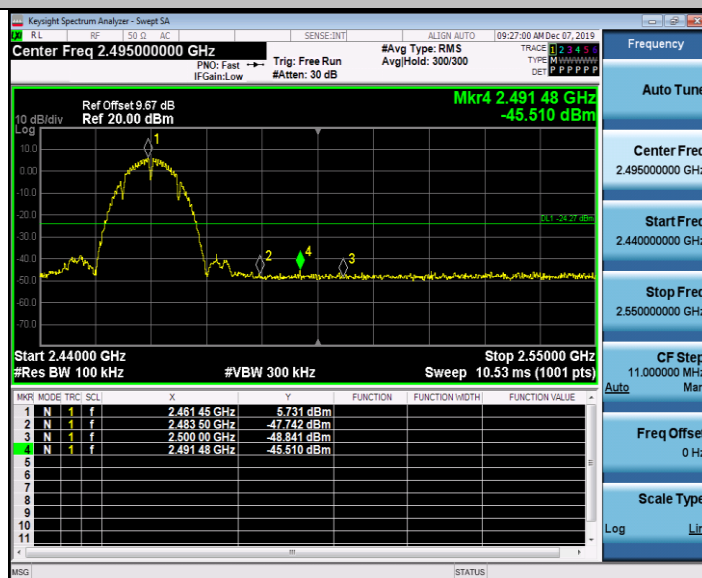


## Test Graphs

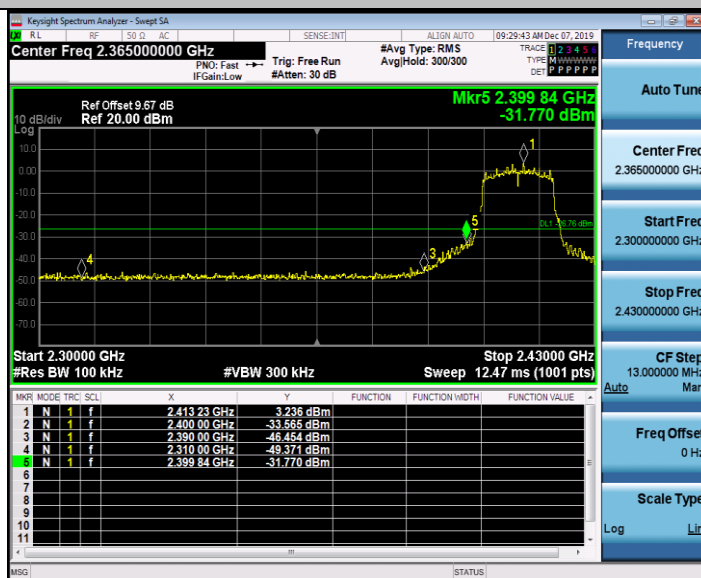
11B\_Ant1\_Low\_2412



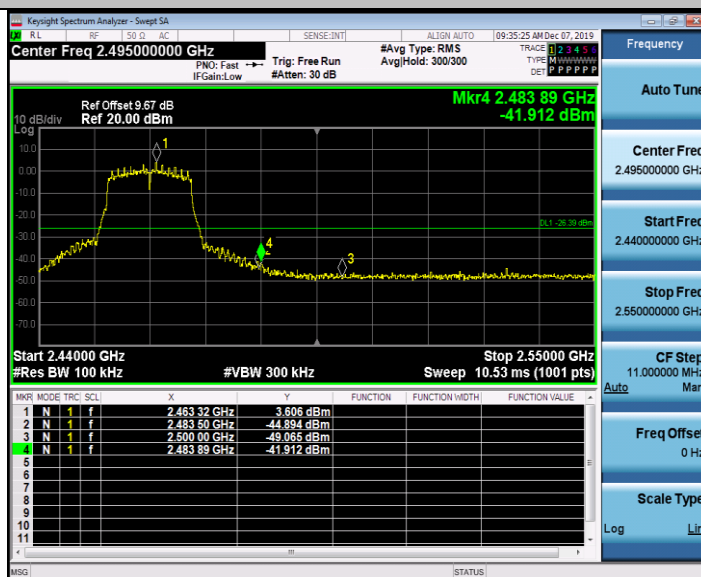
11B\_Ant1\_High\_2462



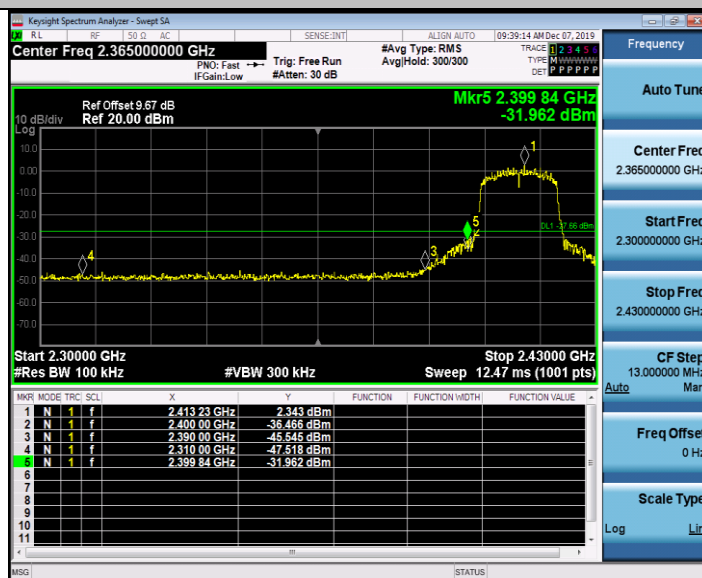
### 11G\_Ant1\_Low\_2412



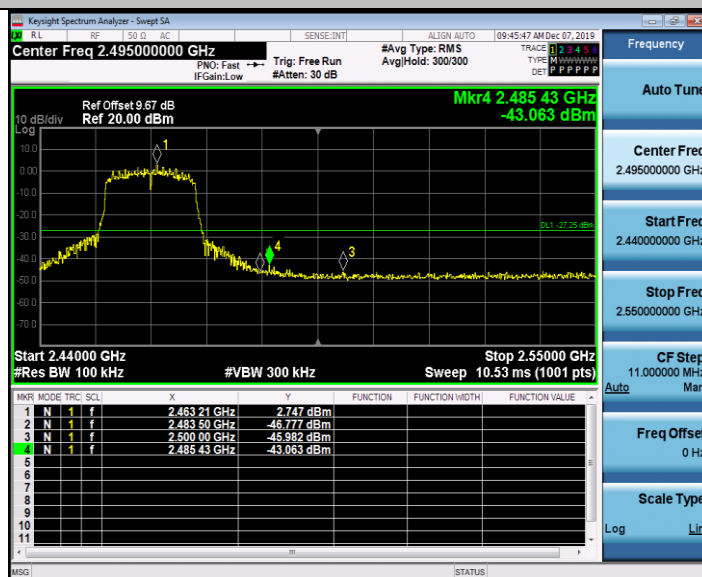
### 11G\_Ant1\_High\_2462



## 11N20SISO\_Ant1\_Low\_2412



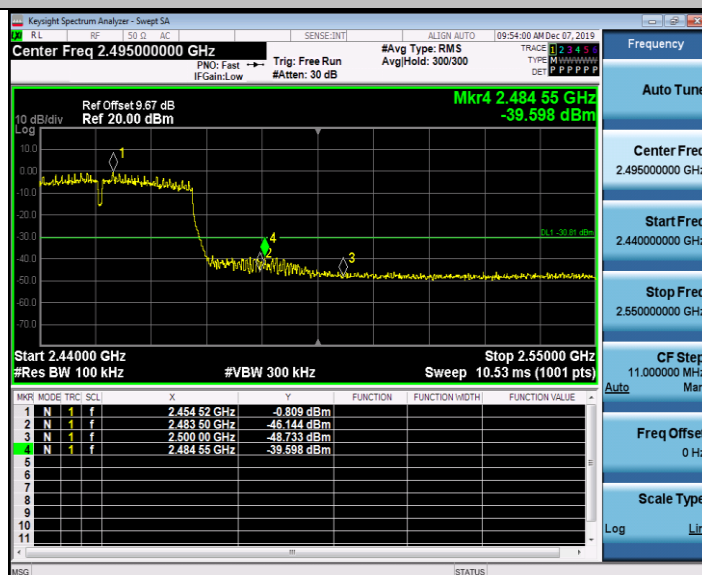
## 11N20SISO\_Ant1\_High\_2462



## 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          | 5.45              | 5.45            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.541         | <=-24.546      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.933         | <=-24.546      | PASS    |
|           |         | 2437    | Reference          | 5.12              | 5.12            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.693         | <=-24.879      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.93          | <=-24.879      | PASS    |
|           |         | 2462    | Reference          | 5.74              | 5.74            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.782         | <=-24.265      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.095         | <=-24.265      | PASS    |
| 11G       | Ant1    | 2412    | Reference          | 2.91              | 2.91            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.105         | <=-27.092      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.934         | <=-27.092      | PASS    |
|           |         | 2437    | Reference          | 2.19              | 2.19            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -66.204         | <=-27.815      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.648         | <=-27.815      | PASS    |
|           |         | 2462    | Reference          | 3.28              | 3.28            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.725         | <=-26.724      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -46.973         | <=-26.724      | PASS    |
| 11N20SISO | Ant1    | 2412    | Reference          | 1.55              | 1.55            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -66.203         | <=-28.451      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.774         | <=-28.451      | PASS    |
|           |         | 2437    | Reference          | 1.17              | 1.17            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.819         | <=-28.828      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.359         | <=-28.828      | PASS    |
|           |         | 2462    | Reference          | 2.72              | 2.72            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.885         | <=-27.278      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.488         | <=-27.278      | PASS    |
| 11N40SISO | Ant1    | 2422    | Reference          | -1.12             | -1.12           | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -64.831         | <=-31.115      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.283         | <=-31.115      | PASS    |

|  |  |      |            |            |         |           |      |
|--|--|------|------------|------------|---------|-----------|------|
|  |  | 2437 | Reference  | -0.95      | -0.95   | ---       | PASS |
|  |  |      | 30~1000    | 30~1000    | -65.068 | <=-30.946 | PASS |
|  |  |      | 1000~26500 | 1000~26500 | -47.03  | <=-30.946 | PASS |
|  |  | 2452 | Reference  | -0.78      | -0.78   | ---       | PASS |
|  |  |      | 30~1000    | 30~1000    | -65.703 | <=-30.779 | PASS |
|  |  |      | 1000~26500 | 1000~26500 | -47.468 | <=-30.779 | PASS |

## Test Graphs

11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000



## 11B\_Ant1\_2412\_1000~26500

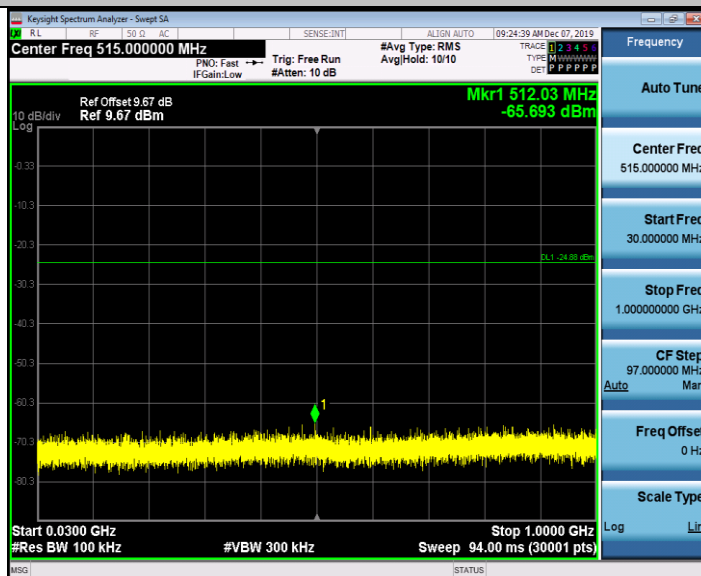


## 11B\_Ant1\_2437\_0~Reference





## 11B\_Ant1\_2437\_30~1000



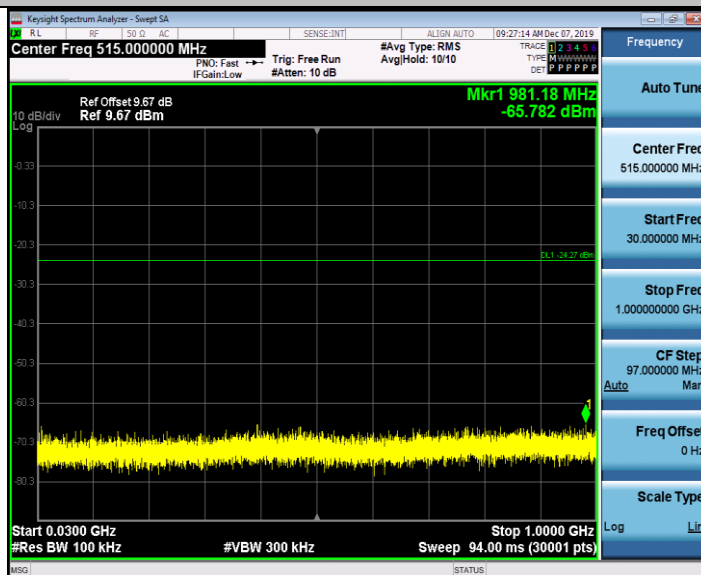
## 11B\_Ant1\_2437\_1000~26500



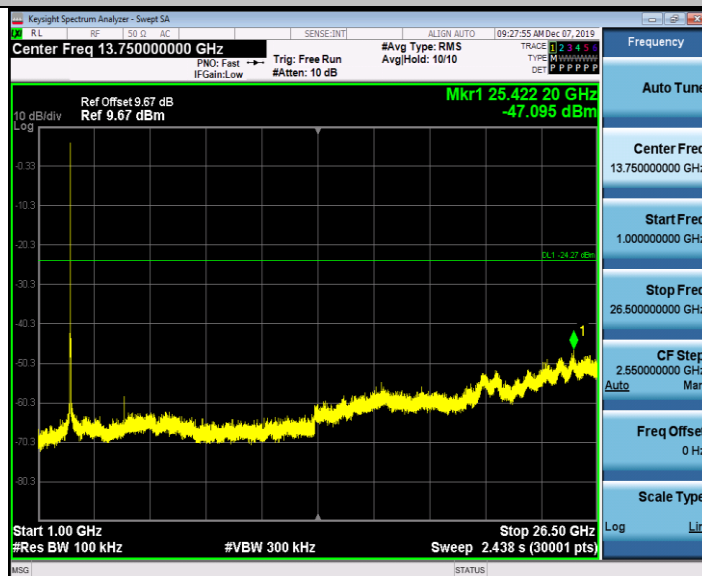
## 11B\_Ant1\_2462\_0~Reference



## 11B\_Ant1\_2462\_30~1000



## 11B\_Ant1\_2462\_1000~26500



## 11G\_Ant1\_2412\_0~Reference

