



## Appendix C

### RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Sweep the pen.Dictionary pen

Trade Mark: N/A

Test Model: S7

#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.5° C   |
| Relative Humidity: | 52.2%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Kay Hu    |
| Supervised by:     | Li Huan   |



## C.1 6dB Bandwidth

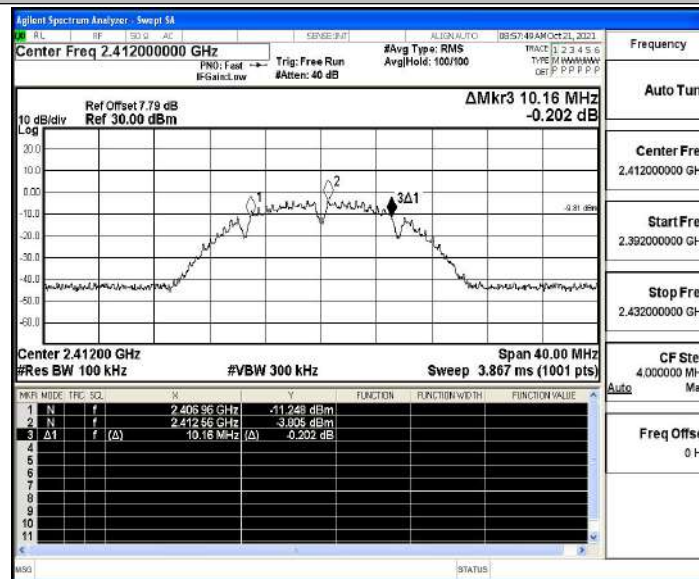
### Test Result

| TestMode  | Antenna | Channel | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412    | 10.160          | 2406.960 | 2417.120 | 0.5        | PASS    |
|           |         | 2437    | 10.120          | 2432.000 | 2442.120 | 0.5        | PASS    |
|           |         | 2462    | 9.640           | 2457.480 | 2467.120 | 0.5        | PASS    |
| 11G       | Ant1    | 2412    | 16.480          | 2403.840 | 2420.320 | 0.5        | PASS    |
|           |         | 2437    | 16.440          | 2428.840 | 2445.280 | 0.5        | PASS    |
|           |         | 2462    | 16.440          | 2453.840 | 2470.280 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412    | 17.640          | 2403.240 | 2420.880 | 0.5        | PASS    |
|           |         | 2437    | 17.640          | 2428.240 | 2445.880 | 0.5        | PASS    |
|           |         | 2462    | 17.720          | 2453.200 | 2470.920 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422    | 36.000          | 2404.080 | 2440.080 | 0.5        | PASS    |
|           |         | 2437    | 35.760          | 2419.240 | 2455.000 | 0.5        | PASS    |
|           |         | 2452    | 36.160          | 2434.080 | 2470.240 | 0.5        | PASS    |

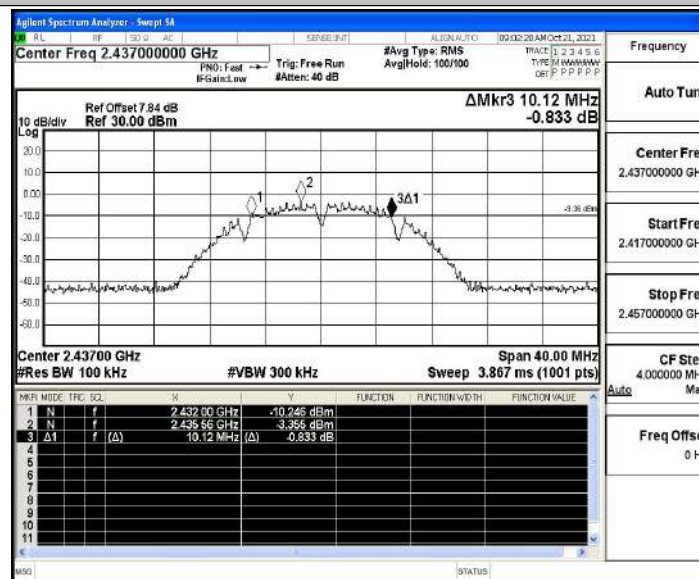


## Test Graphs

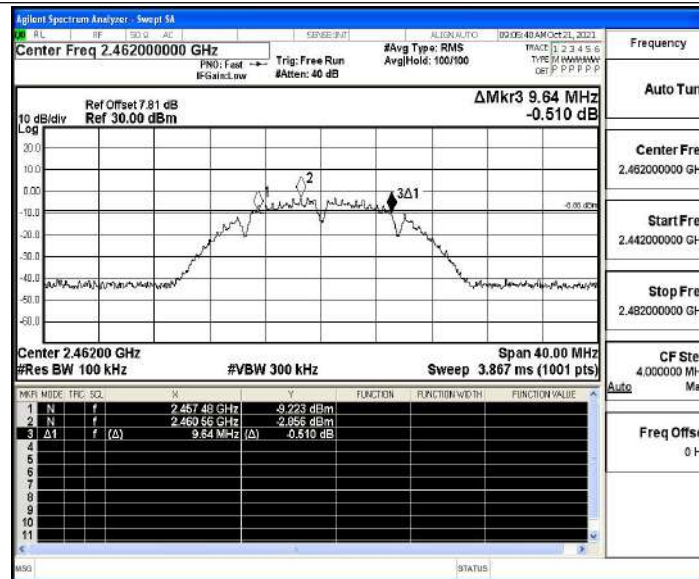
11B\_Ant1\_2412



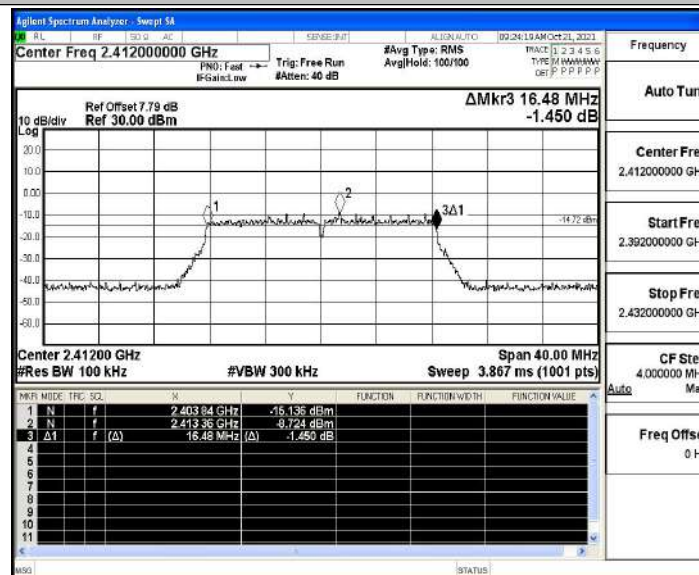
11B\_Ant1\_2437



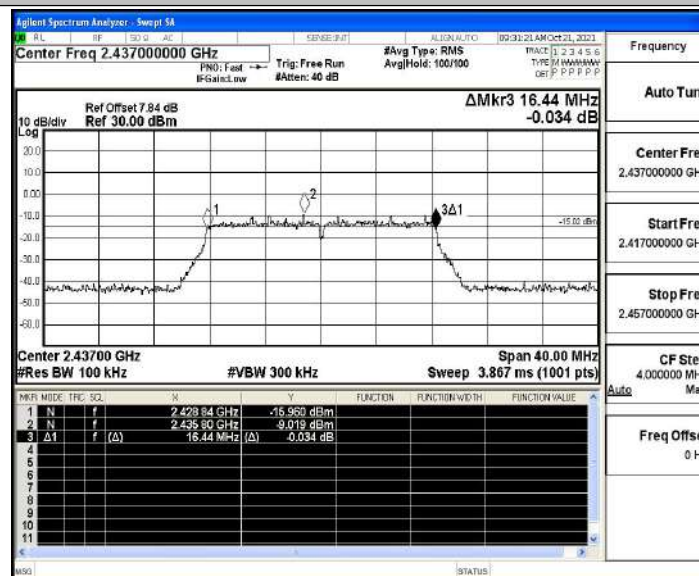
11B\_Ant1\_2462



11G\_Ant1\_2412

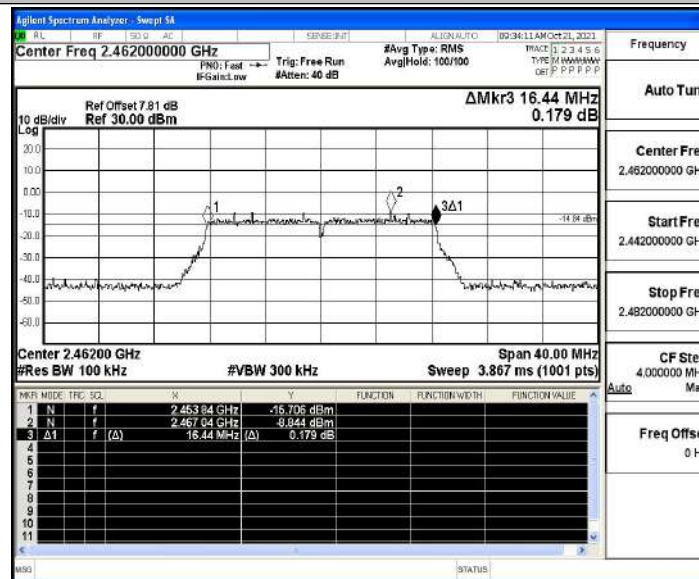


11G\_Ant1\_2437

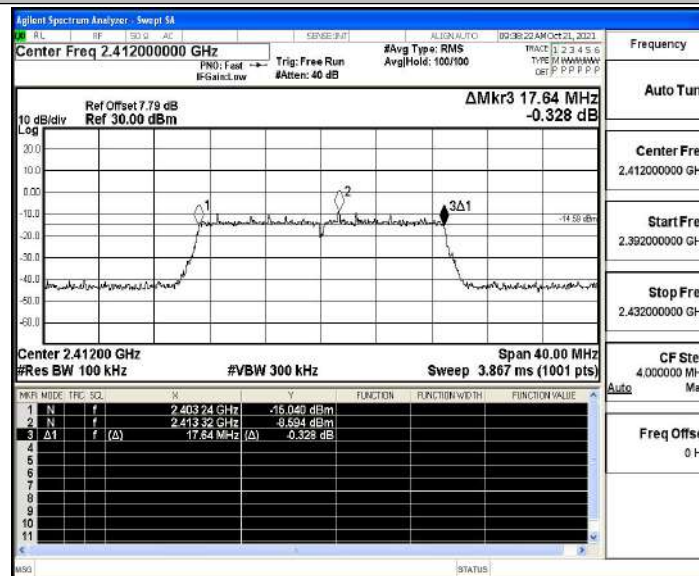




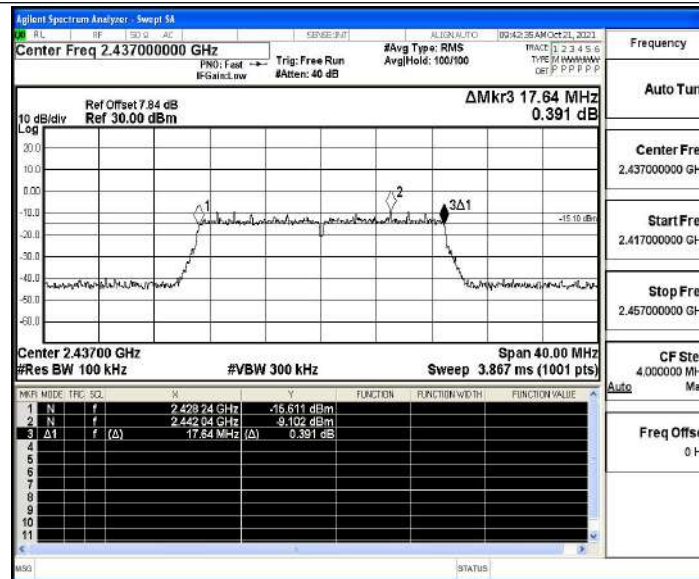
## 11G\_Ant1\_2462



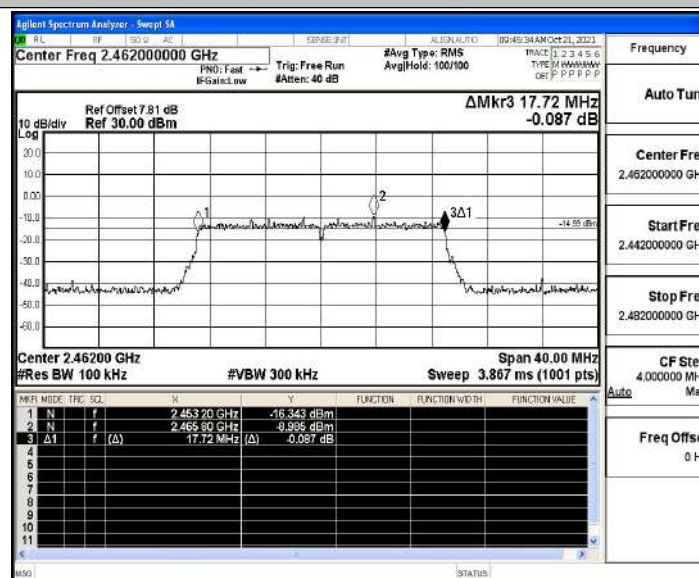
## 11N20SISO\_Ant1\_2412



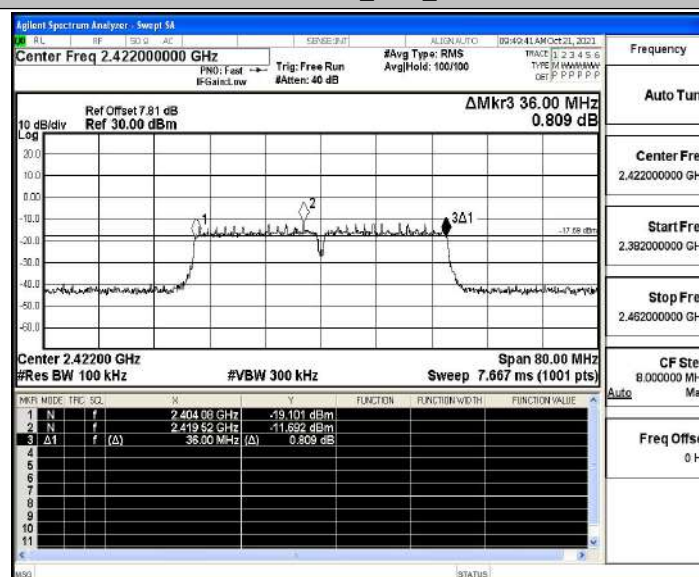
## 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

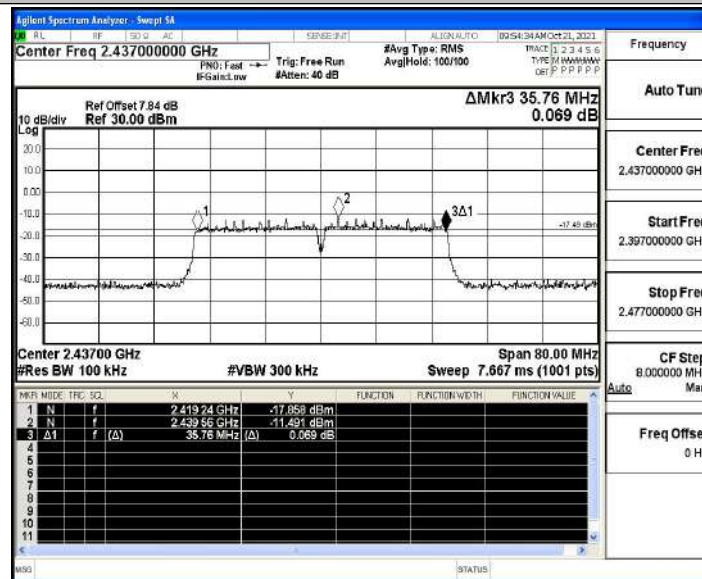


11N40SISO\_Ant1\_2422

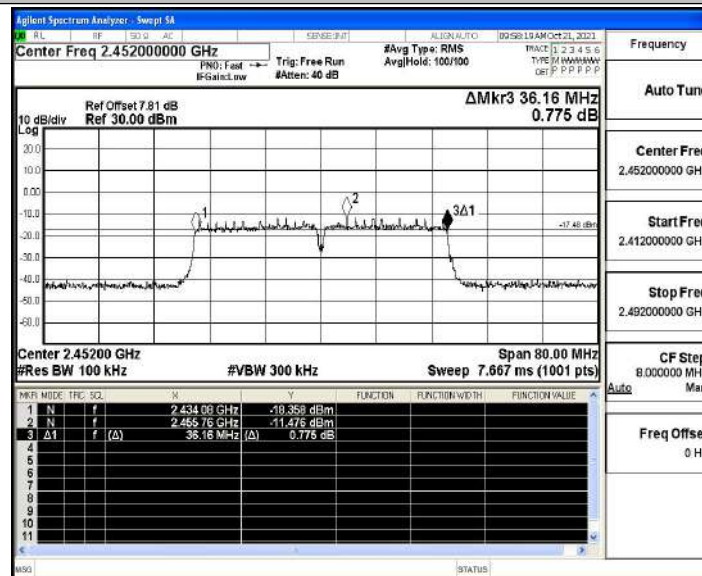




## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452





## C.2 Maximum conducted output power

### Test Result

| TestMode  | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| 11B       | Ant1    | 2412    | 8.27        | ≤30        | PASS    |
|           |         | 2437    | 8.22        | ≤30        | PASS    |
|           |         | 2462    | 8.62        | ≤30        | PASS    |
| 11G       | Ant1    | 2412    | 8.95        | ≤30        | PASS    |
|           |         | 2437    | 8.39        | ≤30        | PASS    |
|           |         | 2462    | 8.80        | ≤30        | PASS    |
| 11N20SISO | Ant1    | 2412    | 8.48        | ≤30        | PASS    |
|           |         | 2437    | 8.61        | ≤30        | PASS    |
|           |         | 2462    | 8.96        | ≤30        | PASS    |
| 11N40SISO | Ant1    | 2422    | 8.56        | ≤30        | PASS    |
|           |         | 2437    | 8.65        | ≤30        | PASS    |
|           |         | 2452    | 8.91        | ≤30        | PASS    |



## C.3 Maximum power spectral density

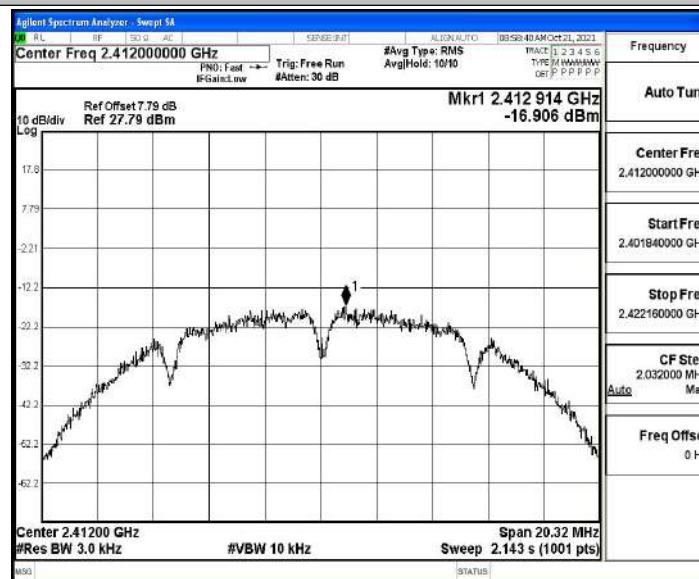
### Test Result

| TestMode  | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|------------------|-----------------|---------|
| 11B       | Ant1    | 2412    | -16.91           | ≤8              | PASS    |
|           |         | 2437    | -17.04           | ≤8              | PASS    |
|           |         | 2462    | -11.37           | ≤8              | PASS    |
| 11G       | Ant1    | 2412    | -22.36           | ≤8              | PASS    |
|           |         | 2437    | -23.21           | ≤8              | PASS    |
|           |         | 2462    | -22.11           | ≤8              | PASS    |
| 11N20SISO | Ant1    | 2412    | -22.92           | ≤8              | PASS    |
|           |         | 2437    | -22.72           | ≤8              | PASS    |
|           |         | 2462    | -23.18           | ≤8              | PASS    |
| 11N40SISO | Ant1    | 2422    | -25.21           | ≤8              | PASS    |
|           |         | 2437    | -25.3            | ≤8              | PASS    |
|           |         | 2452    | -25.23           | ≤8              | PASS    |

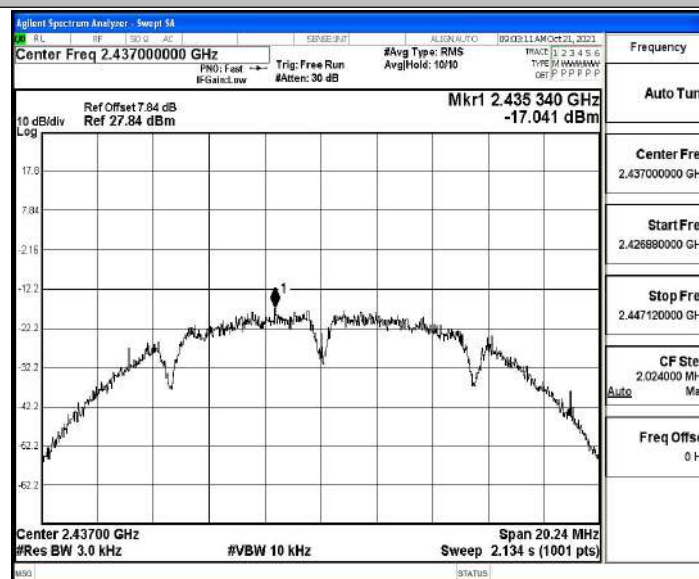


## Test Graphs

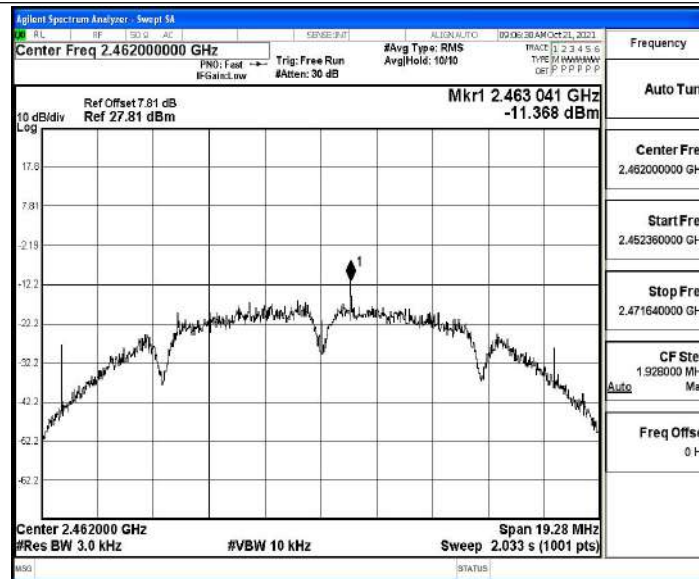
11B\_Ant1\_2412



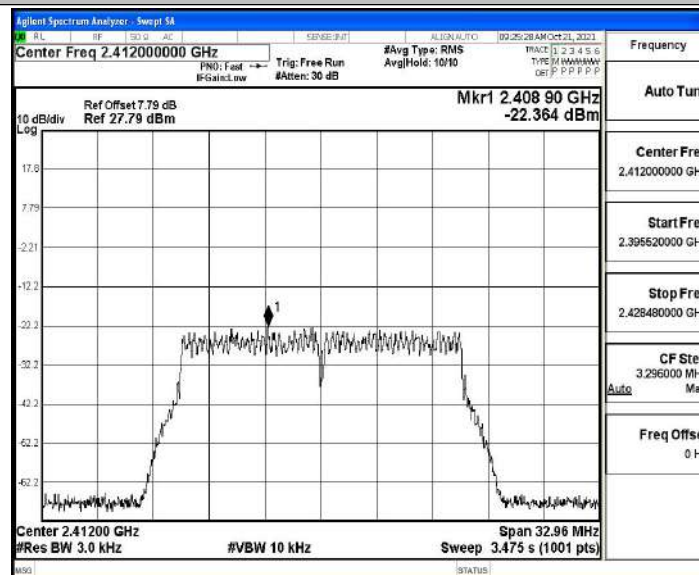
11B\_Ant1\_2437



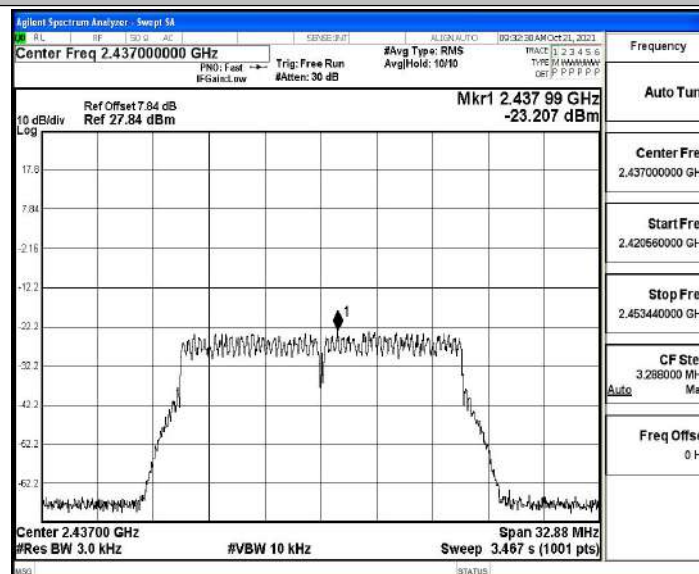
11B\_Ant1\_2462



11G\_Ant1\_2412

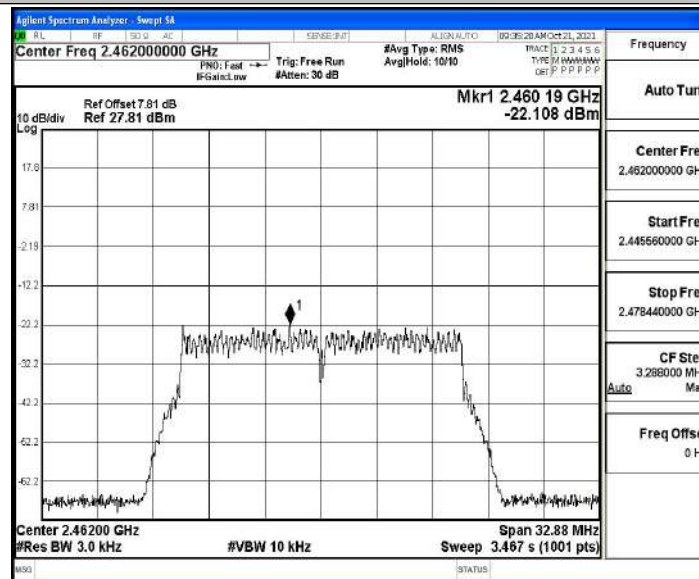


11G\_Ant1\_2437

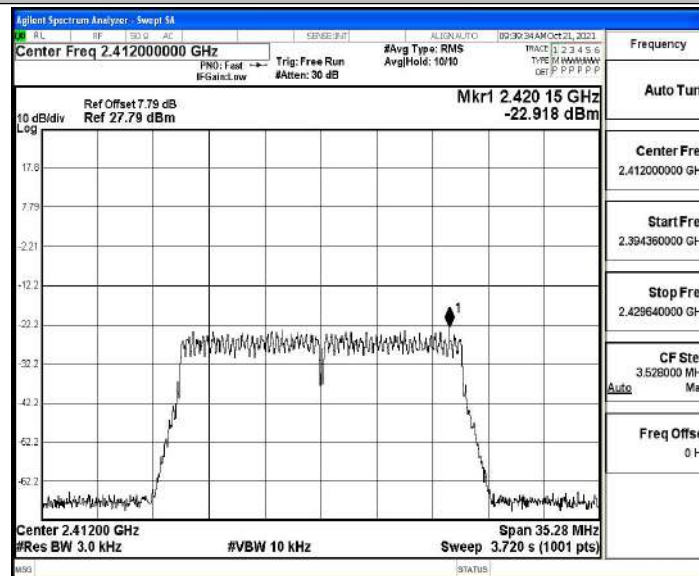




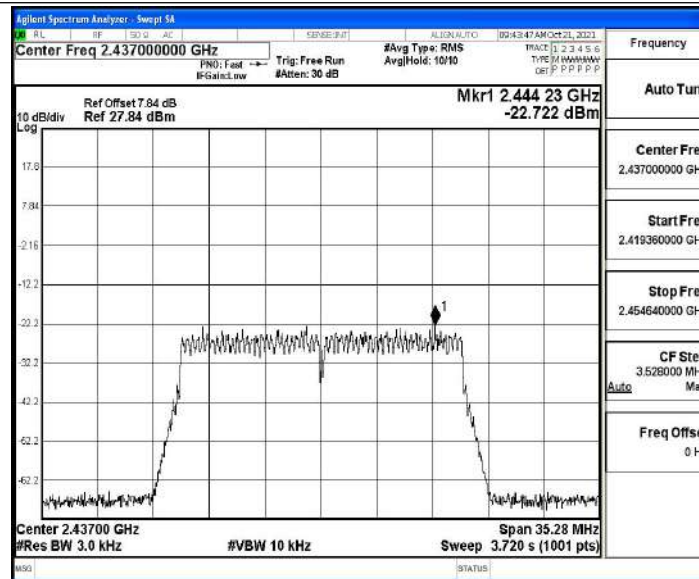
## 11G\_Ant1\_2462



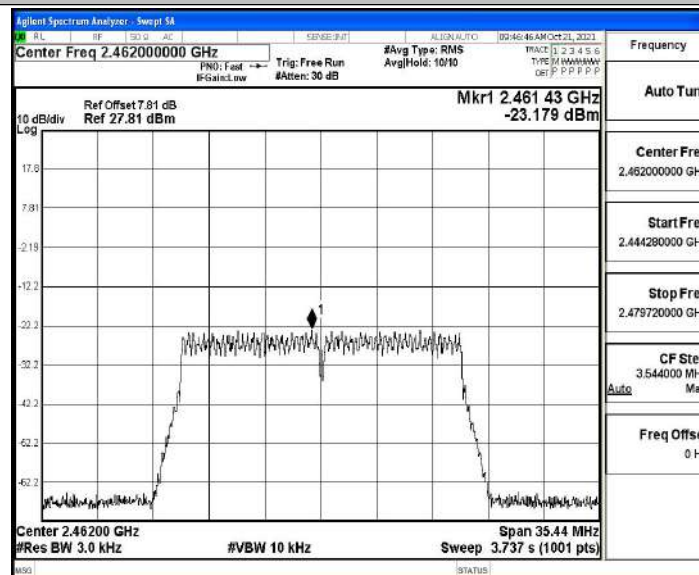
## 11N20SISO\_Ant1\_2412



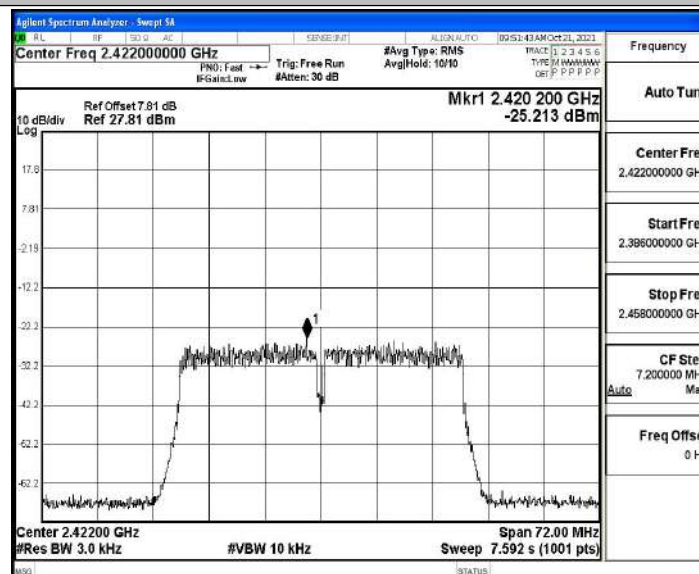
## 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

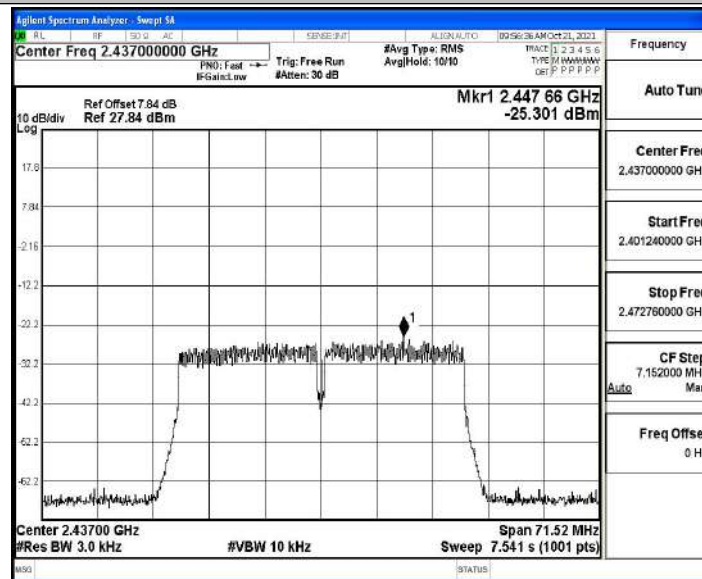


11N40SISO\_Ant1\_2422

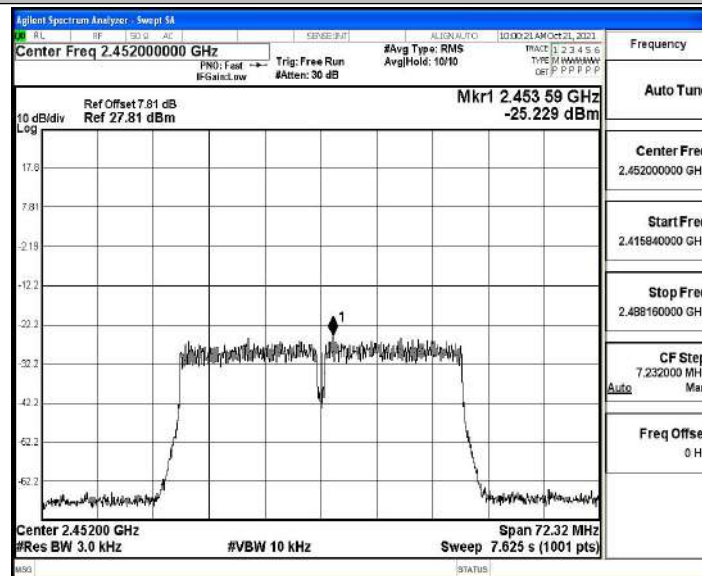




## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452





## C.4 Band edge measurements

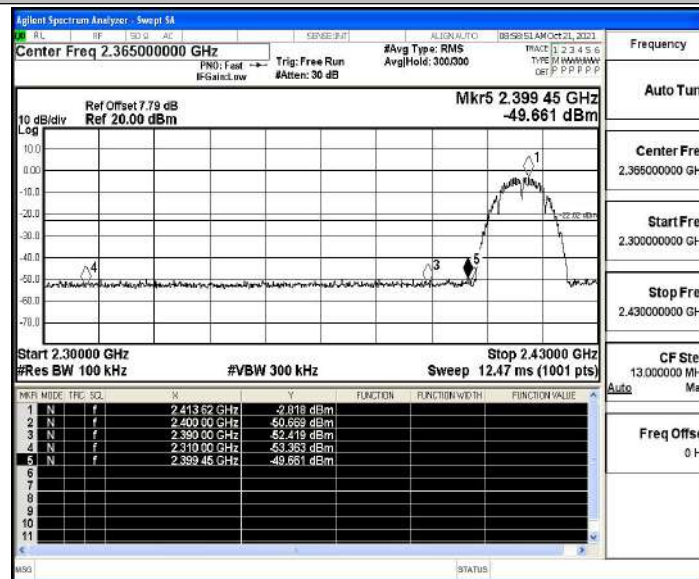
### Test Result

| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|---------|---------------|-------------|---------------|---------|
| 11B       | Ant1    | Low    | 2412    | -2.82         | -49.66      | $\leq -22.82$ | PASS    |
|           |         | High   | 2462    | -2.42         | -48.49      | $\leq -22.42$ | PASS    |
| 11G       | Ant1    | Low    | 2412    | -8.62         | -49.53      | $\leq -28.62$ | PASS    |
|           |         | High   | 2462    | -8.76         | -48.13      | $\leq -28.76$ | PASS    |
| 11N20SISO | Ant1    | Low    | 2412    | -8.59         | -49.53      | $\leq -28.59$ | PASS    |
|           |         | High   | 2462    | -8.93         | -48.76      | $\leq -28.93$ | PASS    |
| 11N40SISO | Ant1    | Low    | 2422    | -11.65        | -49.64      | $\leq -31.65$ | PASS    |
|           |         | High   | 2452    | -11.41        | -47.82      | $\leq -31.41$ | PASS    |

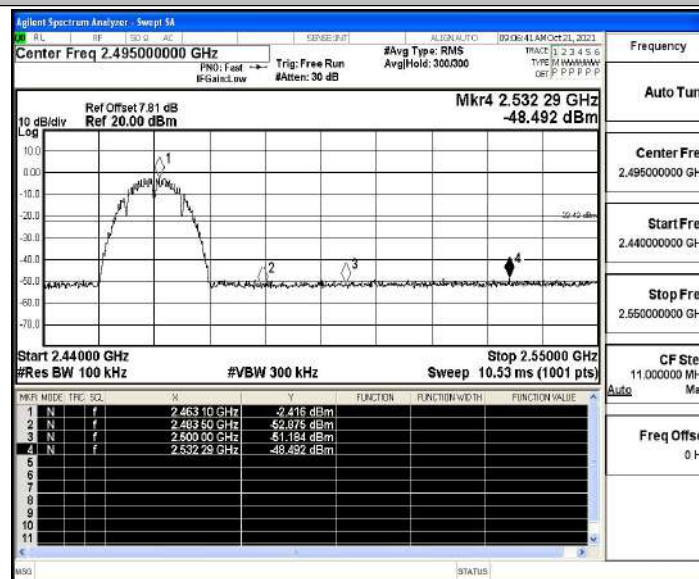


## Test Graphs

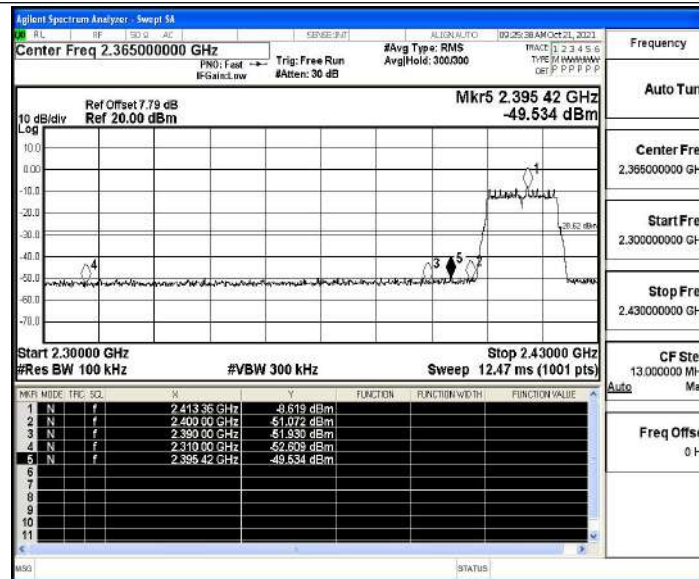
11B\_Ant1\_Low\_2412



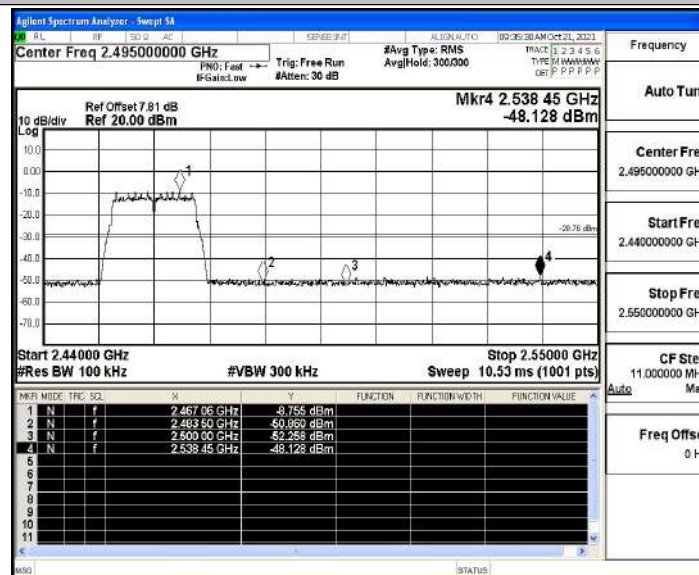
11B\_Ant1\_High\_2462



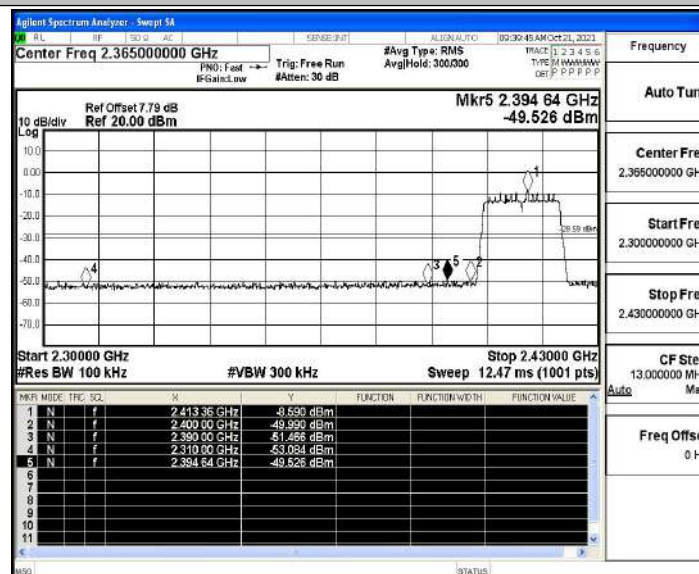
11G\_Ant1\_Low\_2412



11G\_Ant1\_High\_2462

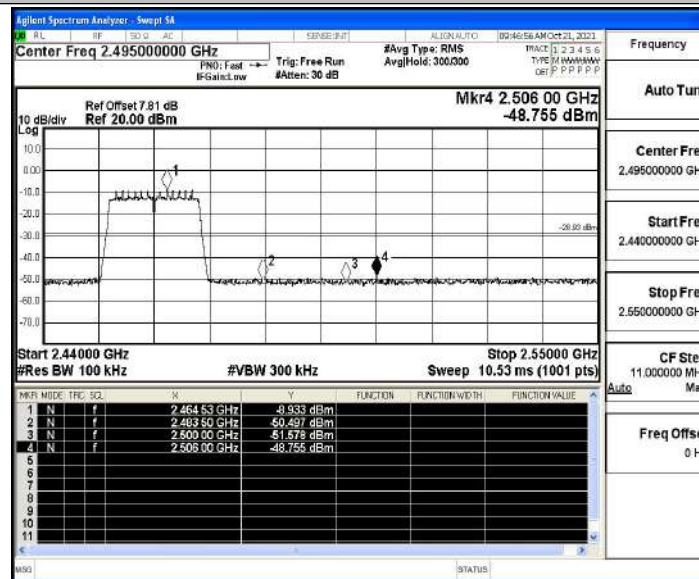


11N20SISO\_Ant1\_Low\_2412

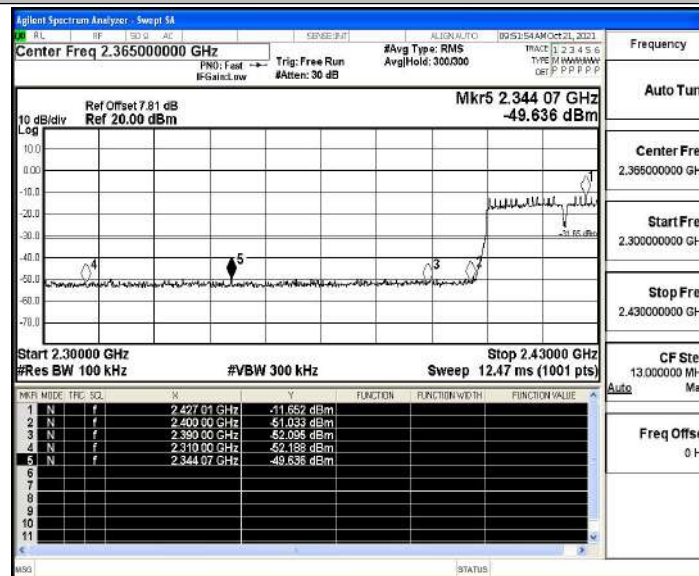




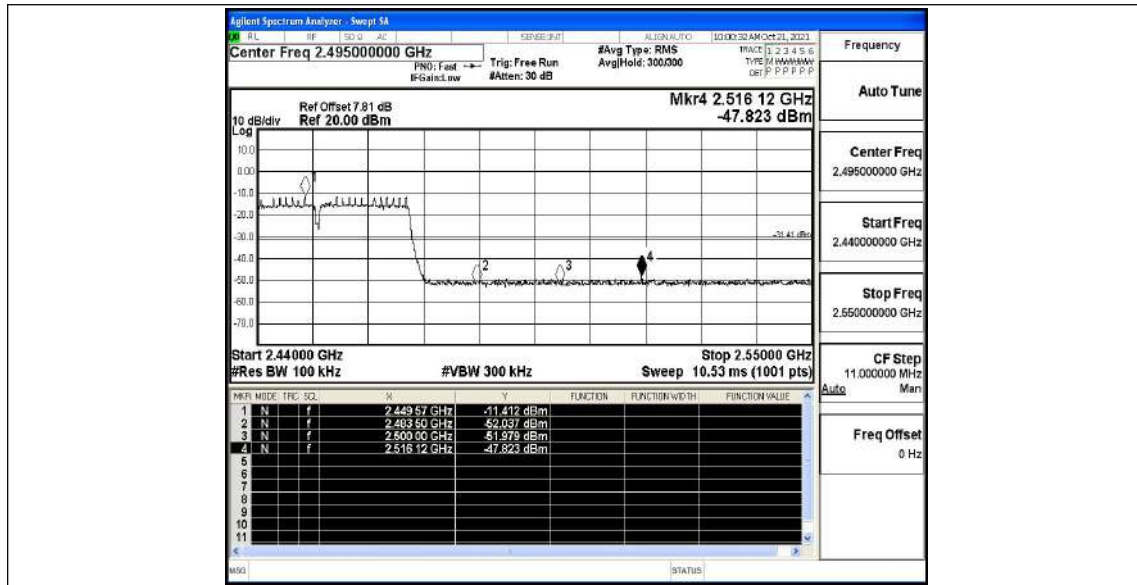
## 11N20SISO\_Ant1\_High\_2462



## 11N40SISO\_Ant1\_Low\_2422



## 11N40SISO\_Ant1\_High\_2452





## C.5 Conducted Spurious Emission

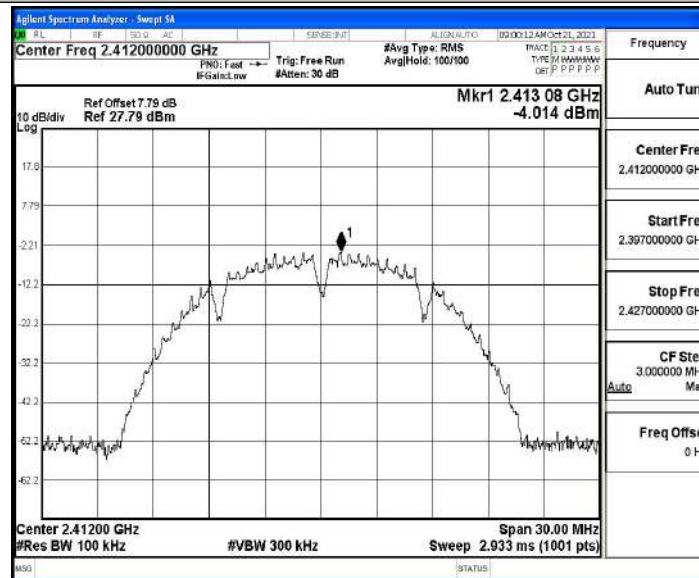
### Test Result

| TestMode  | Antenna | Channel | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| 11B       | Ant1    | 2412    | Reference          | -4.01             | -4.01           | ---            | PASS    |
|           |         |         | 30~1000            | -4.01             | -60.58          | ≤-24.01        | PASS    |
|           |         |         | 1000~26500         | -4.01             | -47.9           | ≤-24.01        | PASS    |
|           |         | 2437    | Reference          | -3.01             | -3.01           | ---            | PASS    |
|           |         |         | 30~1000            | -3.01             | -61.31          | ≤-23.01        | PASS    |
|           |         |         | 1000~26500         | -3.01             | -47.83          | ≤-23.01        | PASS    |
|           |         | 2462    | Reference          | -3.15             | -3.15           | ---            | PASS    |
|           |         |         | 30~1000            | -3.15             | -60.52          | ≤-23.15        | PASS    |
|           |         |         | 1000~26500         | -3.15             | -47.49          | ≤-23.15        | PASS    |
| 11G       | Ant1    | 2412    | Reference          | -9.50             | -9.50           | ---            | PASS    |
|           |         |         | 30~1000            | -9.50             | -61.3           | ≤-29.5         | PASS    |
|           |         |         | 1000~26500         | -9.50             | -47.47          | ≤-29.5         | PASS    |
|           |         | 2437    | Reference          | -9.13             | -9.13           | ---            | PASS    |
|           |         |         | 30~1000            | -9.13             | -61.08          | ≤-29.13        | PASS    |
|           |         |         | 1000~26500         | -9.13             | -47.72          | ≤-29.13        | PASS    |
|           |         | 2462    | Reference          | -8.92             | -8.92           | ---            | PASS    |
|           |         |         | 30~1000            | -8.92             | -60.43          | ≤-28.92        | PASS    |
|           |         |         | 1000~26500         | -8.92             | -46.95          | ≤-28.92        | PASS    |
| 11N20SISO | Ant1    | 2412    | Reference          | -9.04             | -9.04           | ---            | PASS    |
|           |         |         | 30~1000            | -9.04             | -59.98          | ≤-29.04        | PASS    |
|           |         |         | 1000~26500         | -9.04             | -46.78          | ≤-29.04        | PASS    |
|           |         | 2437    | Reference          | -8.85             | -8.85           | ---            | PASS    |
|           |         |         | 30~1000            | -8.85             | -59.92          | ≤-28.85        | PASS    |
|           |         |         | 1000~26500         | -8.85             | -47.45          | ≤-28.85        | PASS    |
|           |         | 2462    | Reference          | -8.93             | -8.93           | ---            | PASS    |
|           |         |         | 30~1000            | -8.93             | -50.96          | ≤-28.93        | PASS    |
|           |         |         | 1000~26500         | -8.93             | -47.37          | ≤-28.93        | PASS    |
| 11N40SISO | Ant1    | 2422    | Reference          | -11.79            | -11.79          | ---            | PASS    |
|           |         |         | 30~1000            | -11.79            | -58.87          | ≤-31.79        | PASS    |
|           |         |         | 1000~26500         | -11.79            | -46.95          | ≤-31.79        | PASS    |
|           |         | 2437    | Reference          | -11.75            | -11.75          | ---            | PASS    |
|           |         |         | 30~1000            | -11.75            | -59.71          | ≤-31.75        | PASS    |
|           |         |         | 1000~26500         | -11.75            | -47.84          | ≤-31.75        | PASS    |
|           |         | 2452    | Reference          | -11.61            | -11.61          | ---            | PASS    |
|           |         |         | 30~1000            | -11.61            | -60.76          | ≤-31.61        | PASS    |
|           |         |         | 1000~26500         | -11.61            | -47.52          | ≤-31.61        | PASS    |

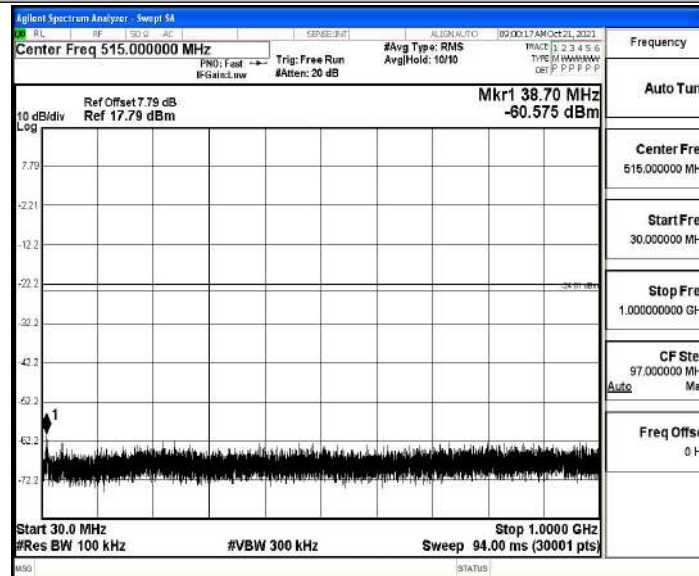


## Test Graphs

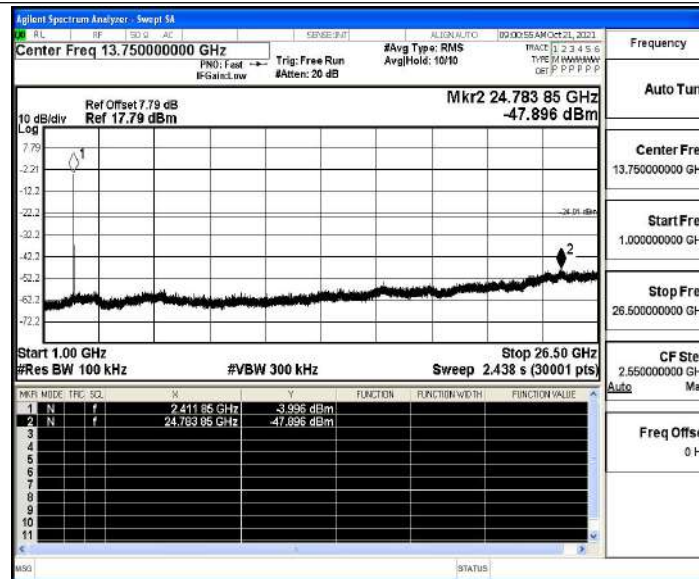
11B\_Ant1\_2412\_0~Reference



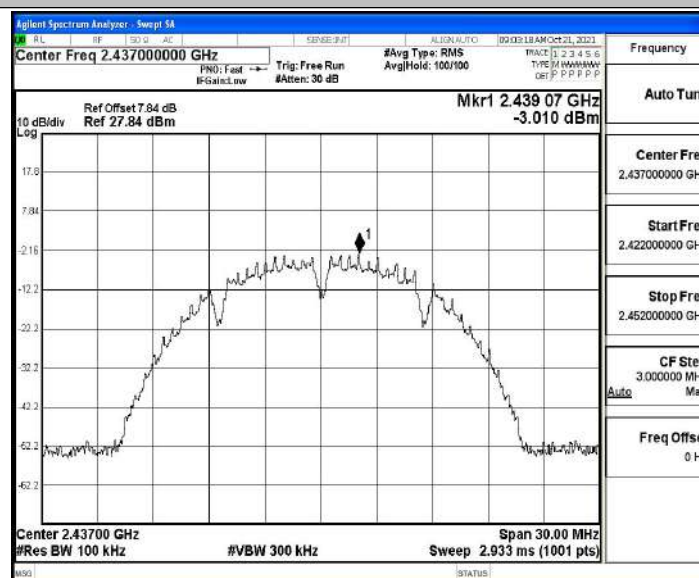
11B\_Ant1\_2412\_30~1000



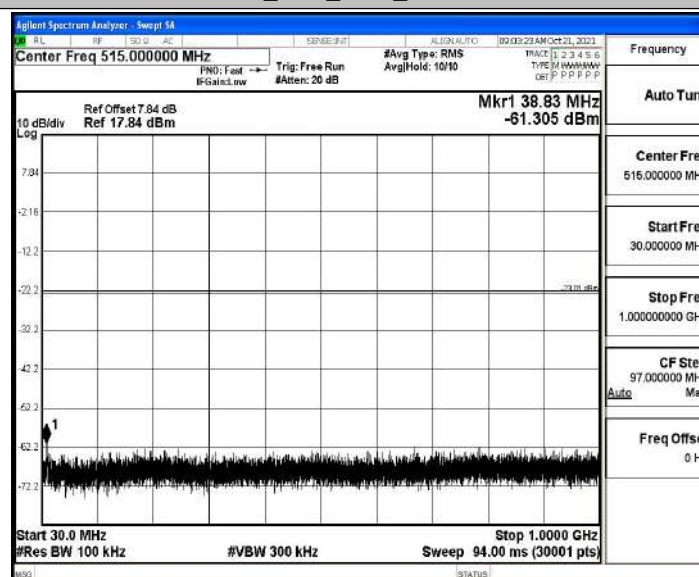
11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference

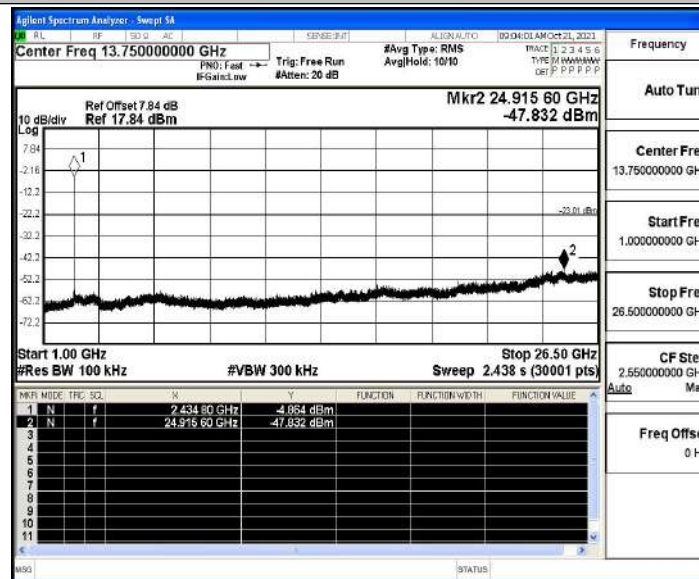


11B\_Ant1\_2437\_30~1000

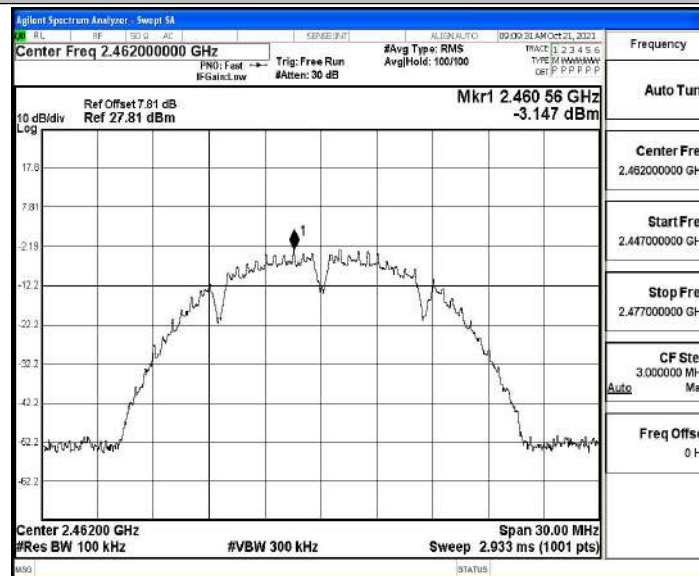




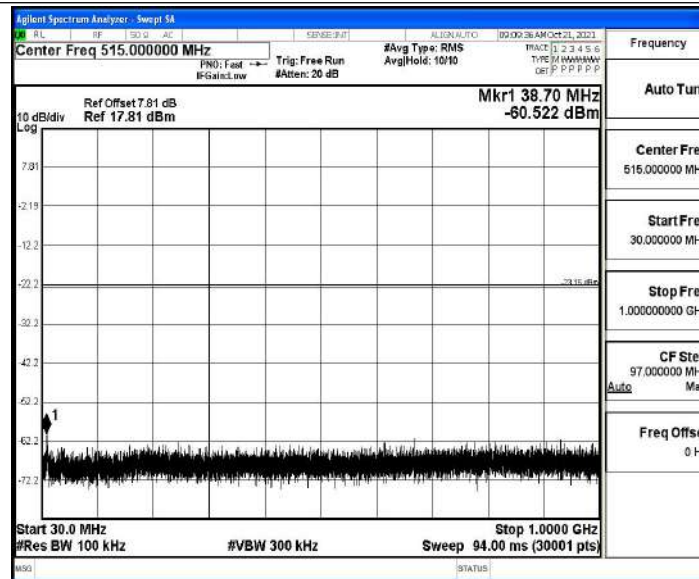
## 11B\_Ant1\_2437\_1000~26500



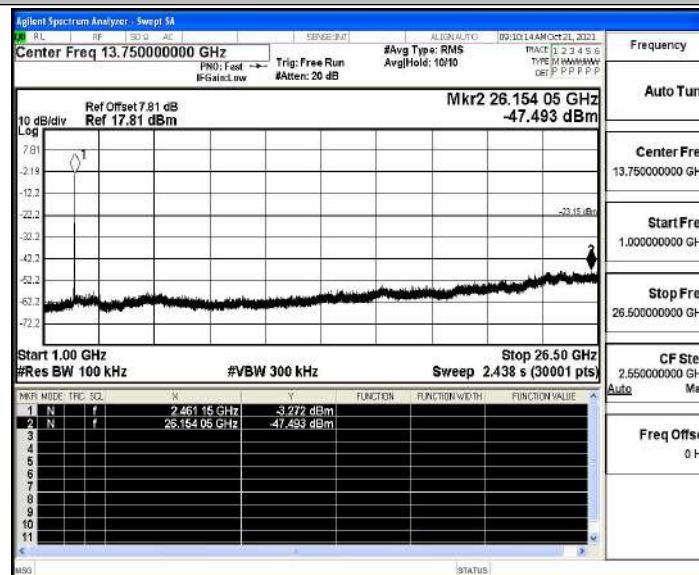
## 11B\_Ant1\_2462\_0~Reference



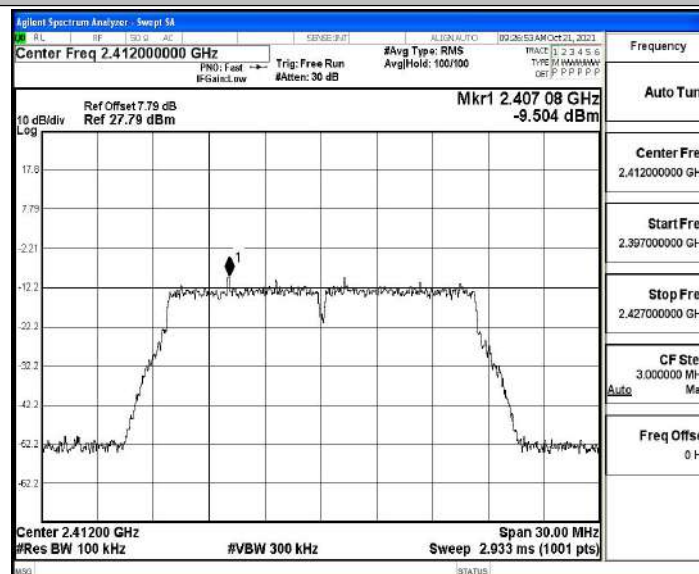
## 11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500

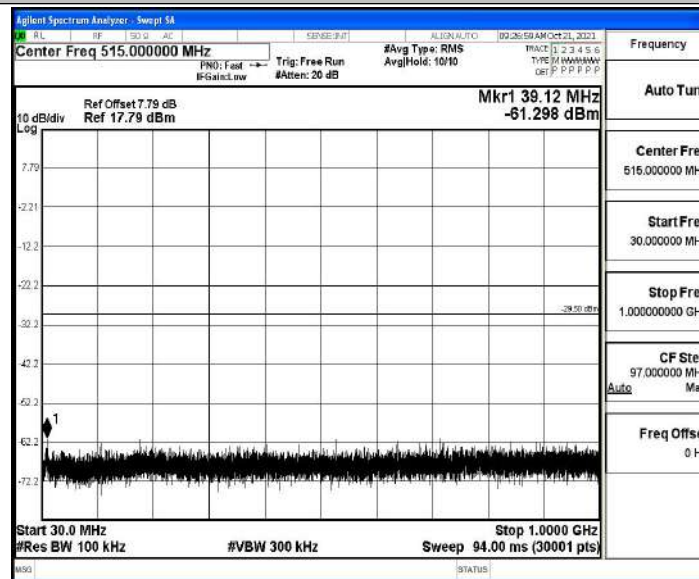


11G\_Ant1\_2412\_0~Reference

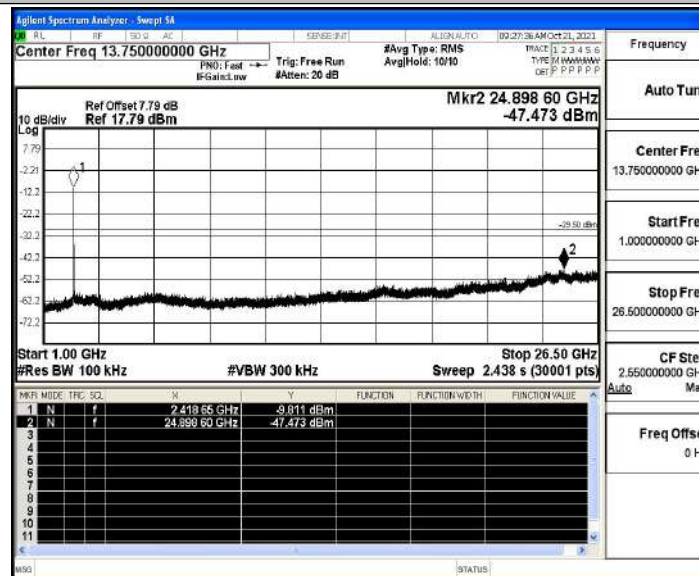




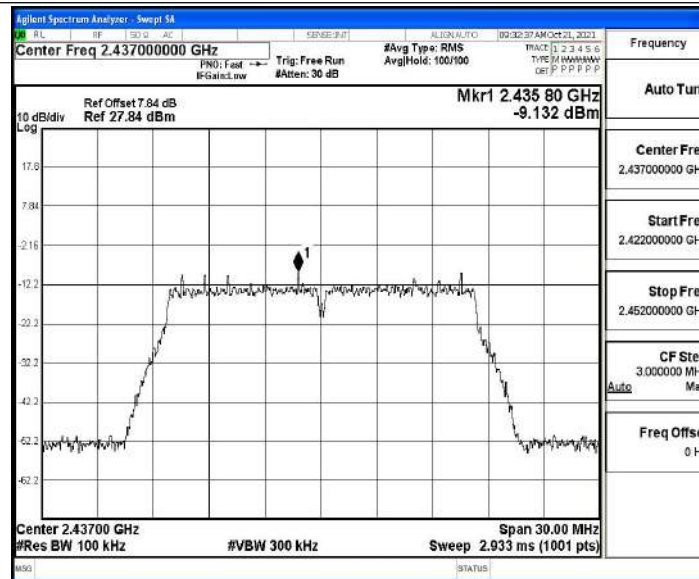
## 11G\_Ant1\_2412\_30~1000



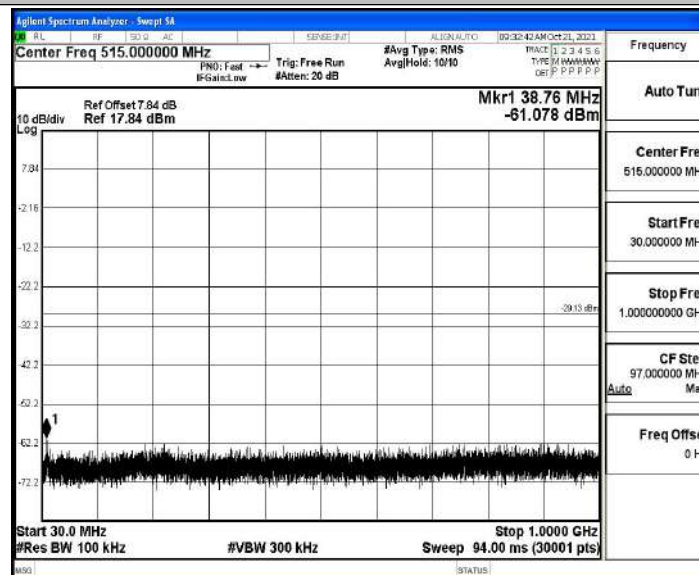
## 11G\_Ant1\_2412\_1000~26500



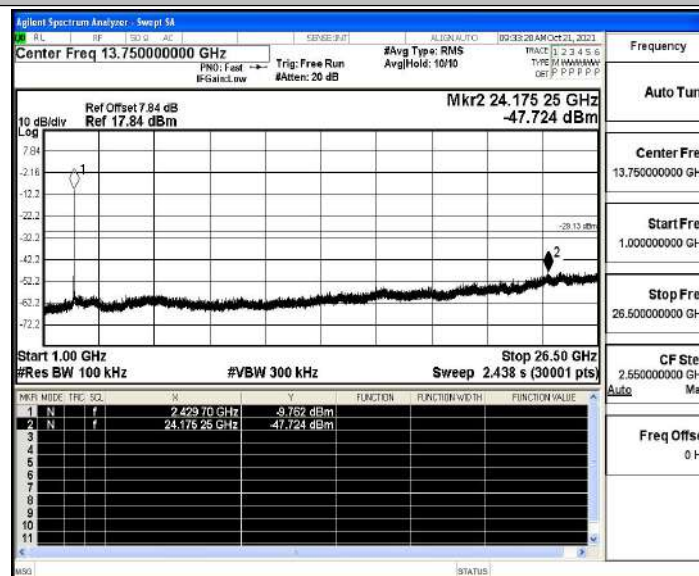
## 11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000

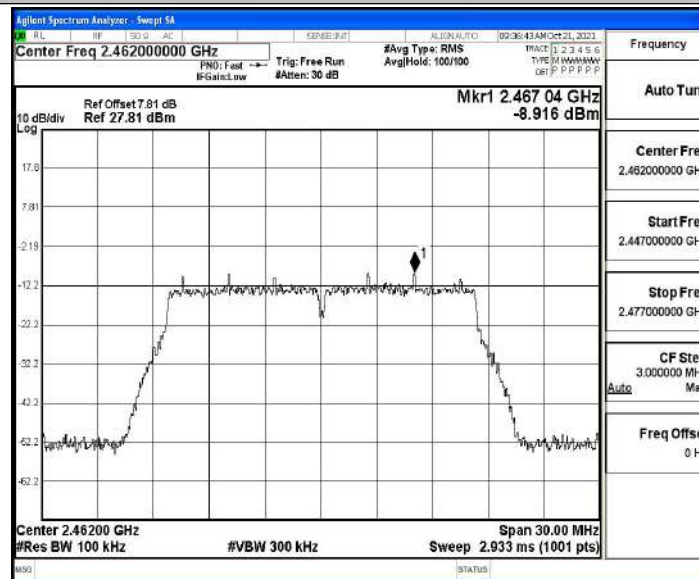


11G\_Ant1\_2437\_1000~26500

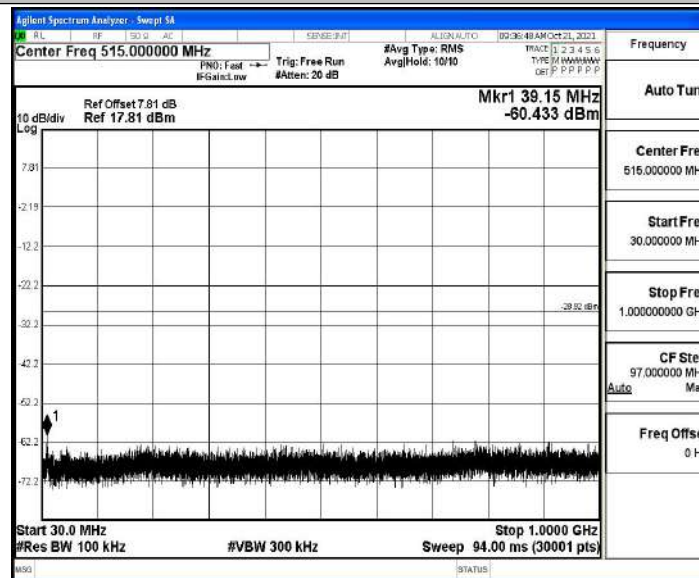




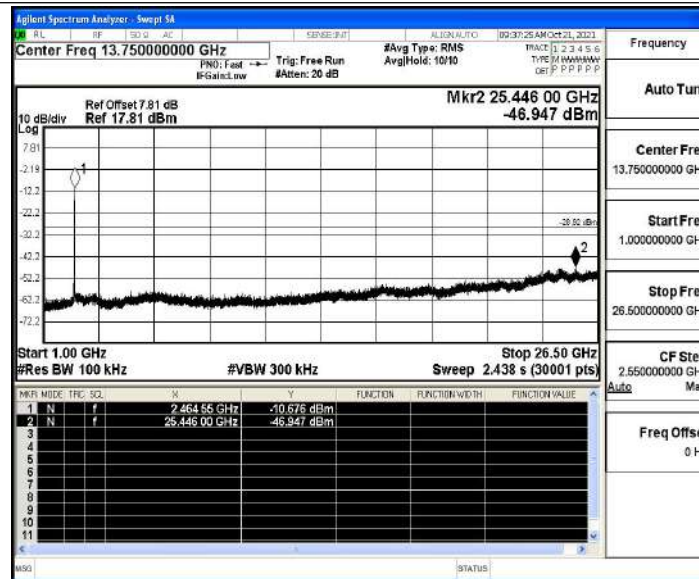
## 11G\_Ant1\_2462\_0~Reference



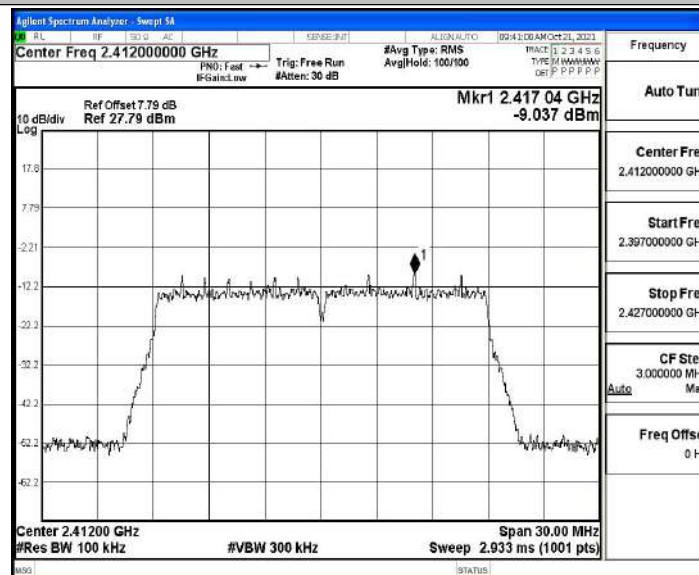
## 11G\_Ant1\_2462\_30~1000



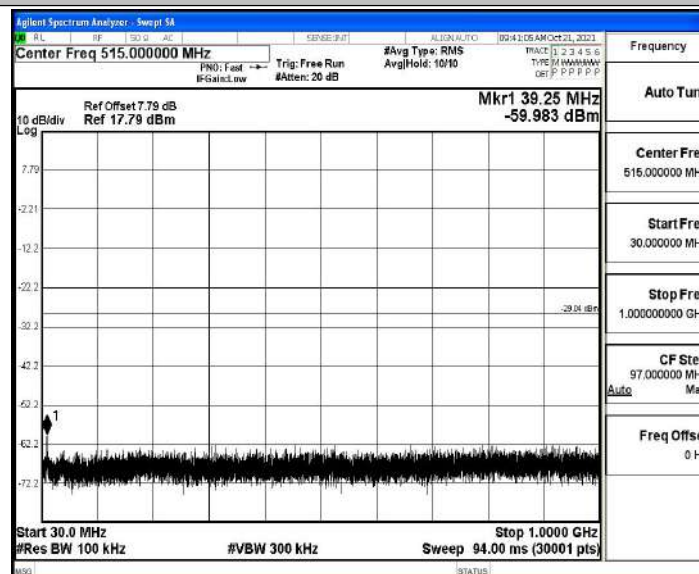
## 11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference

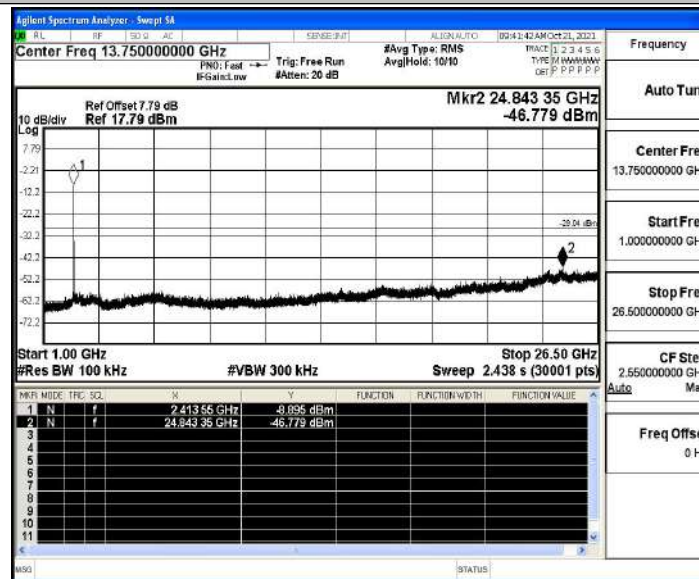


11N20SISO\_Ant1\_2412\_30~1000

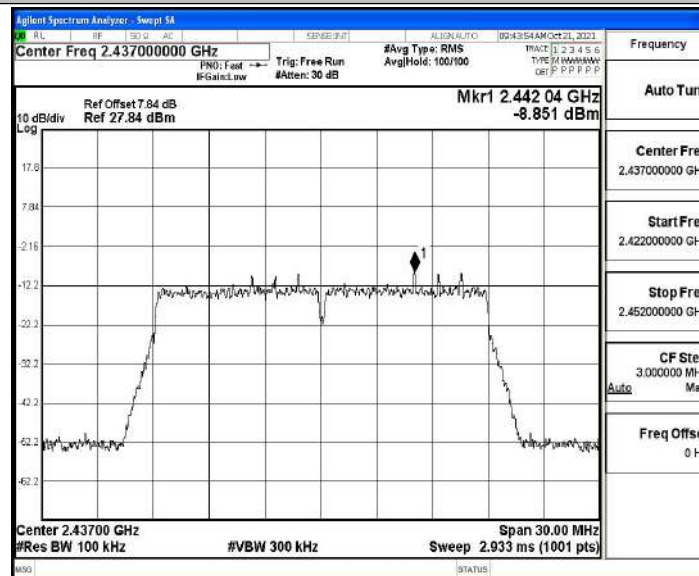




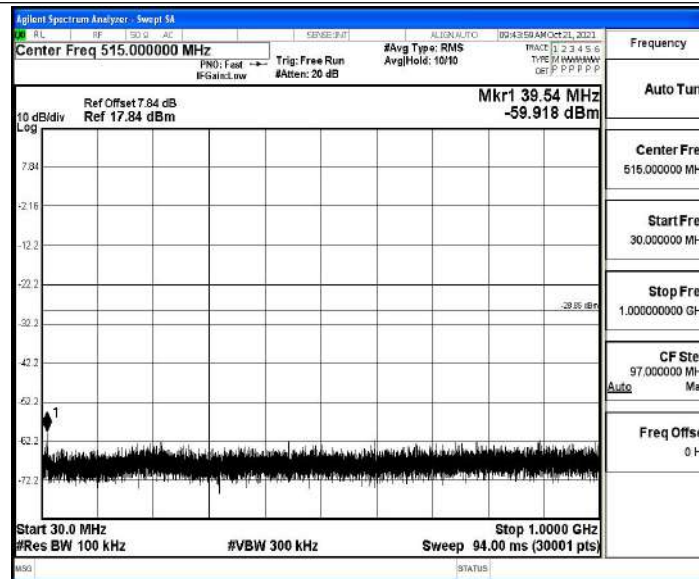
## 11N20SISO\_Ant1\_2412\_1000~26500



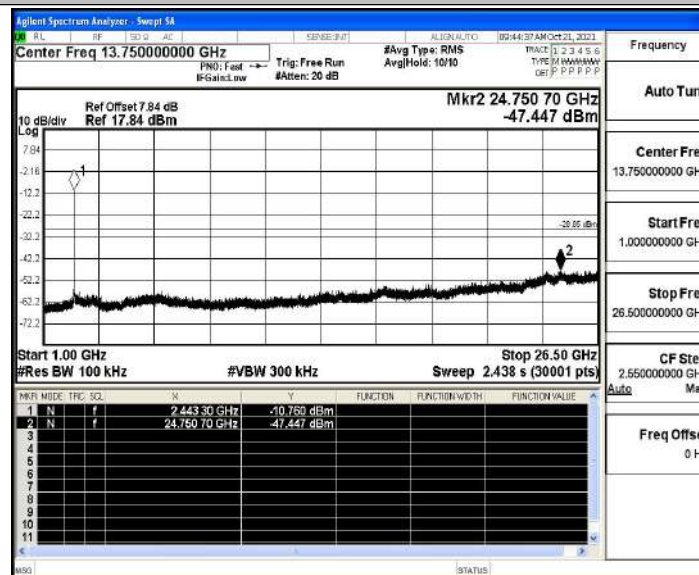
## 11N20SISO\_Ant1\_2437\_0~Reference



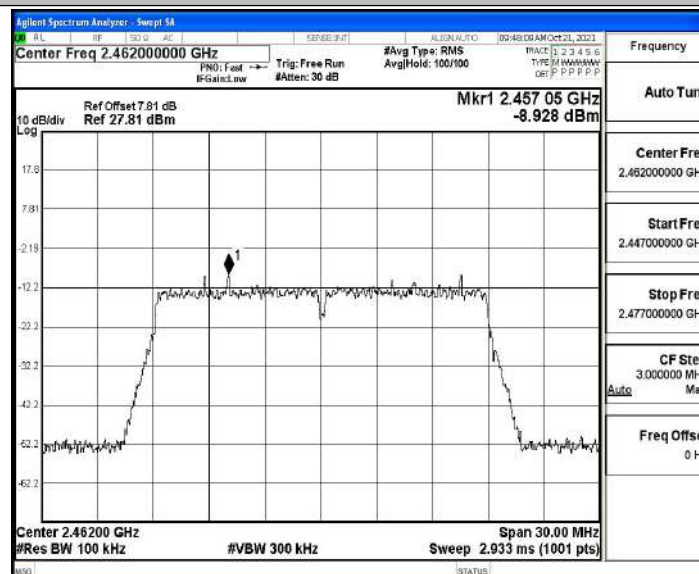
## 11N20SISO\_Ant1\_2437\_30~1000



11N20SISO\_Ant1\_2437\_1000~26500

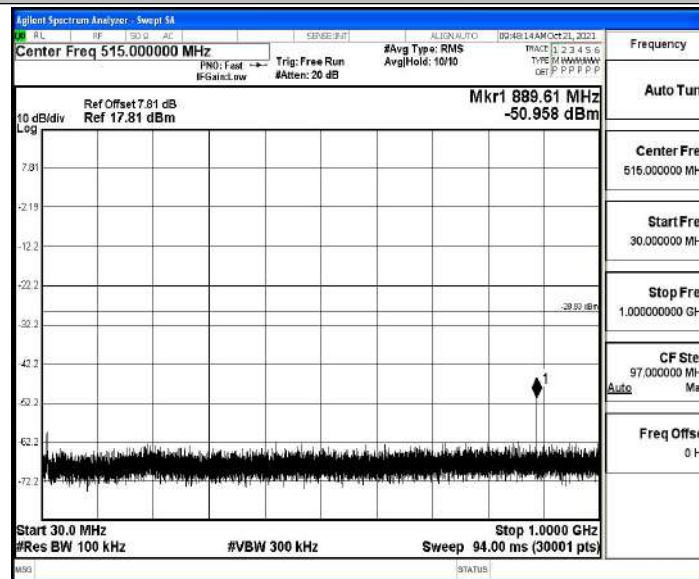


11N20SISO\_Ant1\_2462\_0~Reference

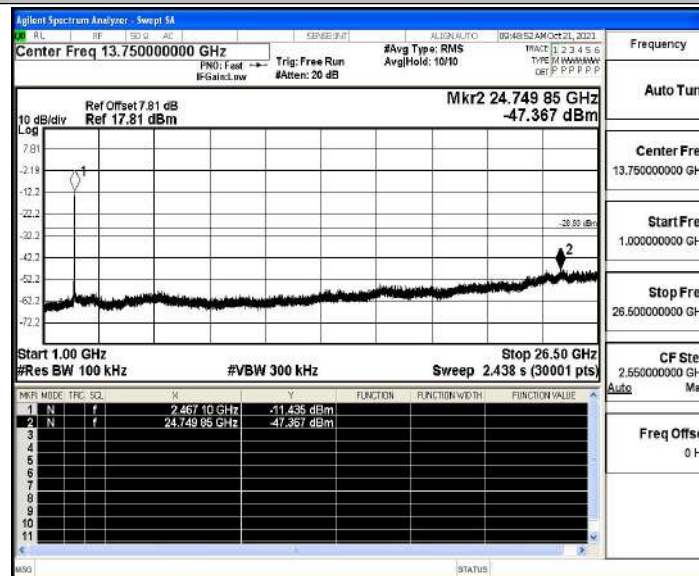




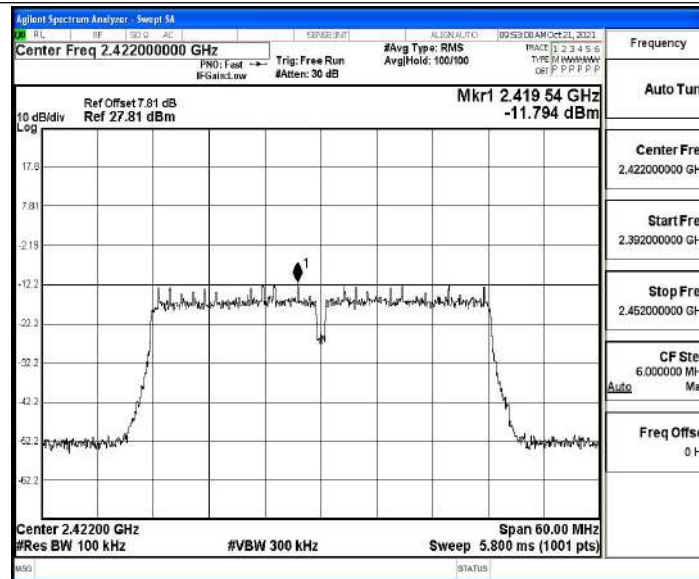
## 11N20SISO\_Ant1\_2462\_30~1000



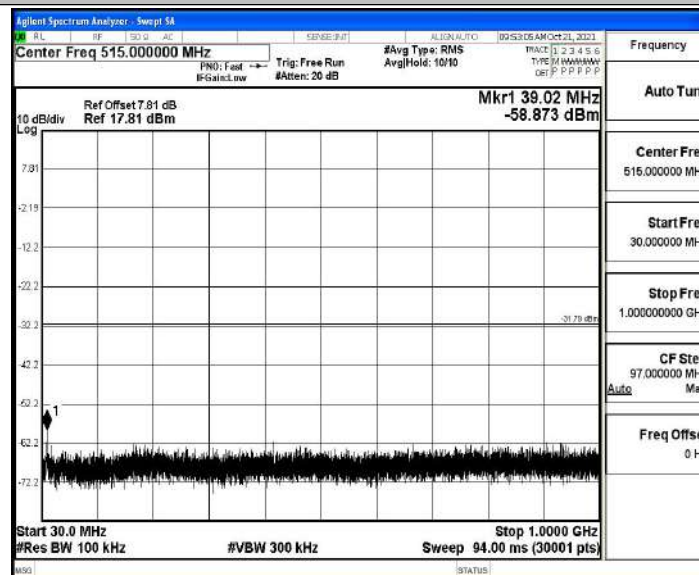
## 11N20SISO\_Ant1\_2462\_1000~26500



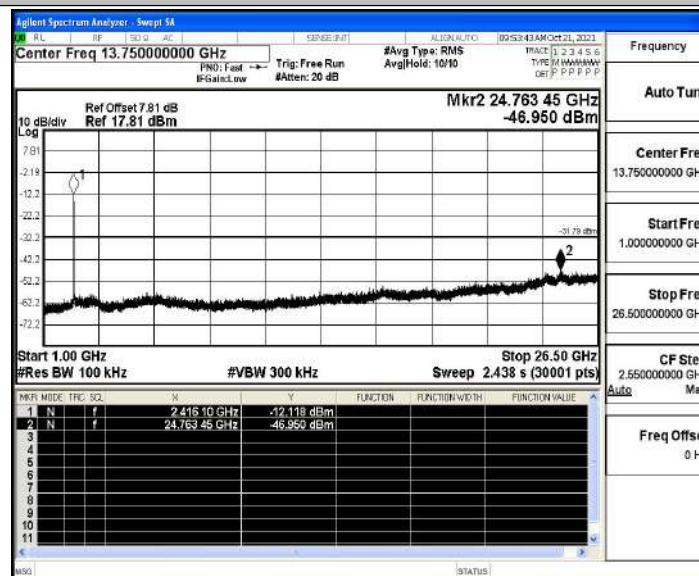
## 11N40SISO\_Ant1\_2422\_0~Reference



11N40SISO\_Ant1\_2422\_30~1000

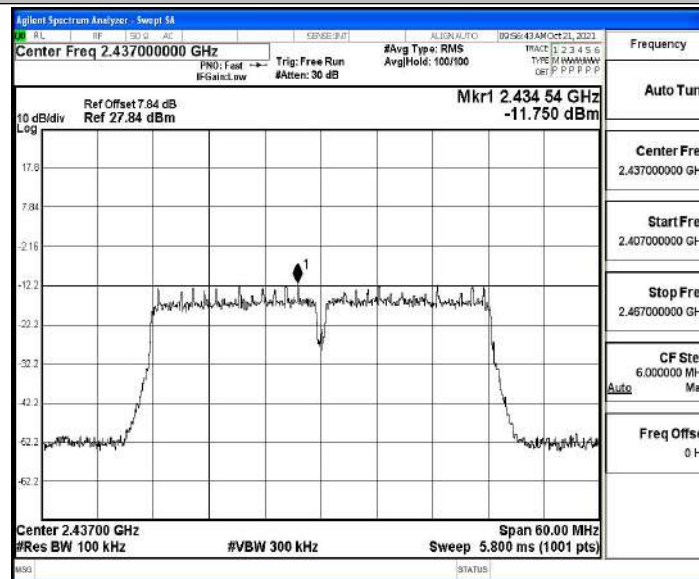


11N40SISO\_Ant1\_2422\_1000~26500

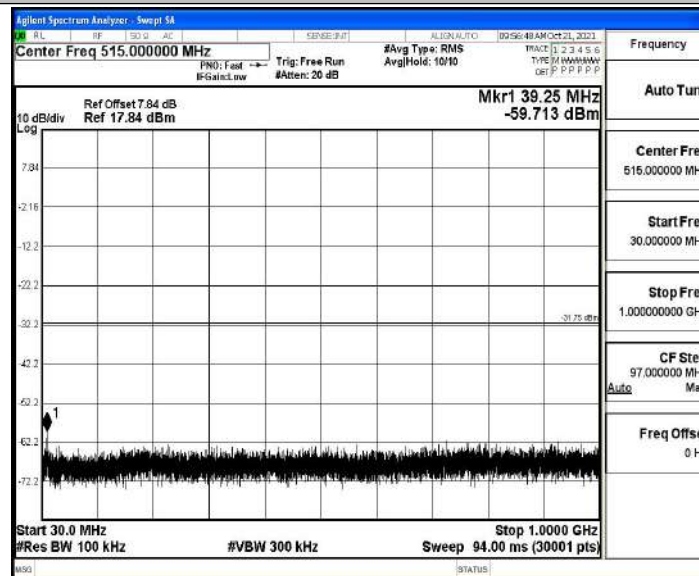




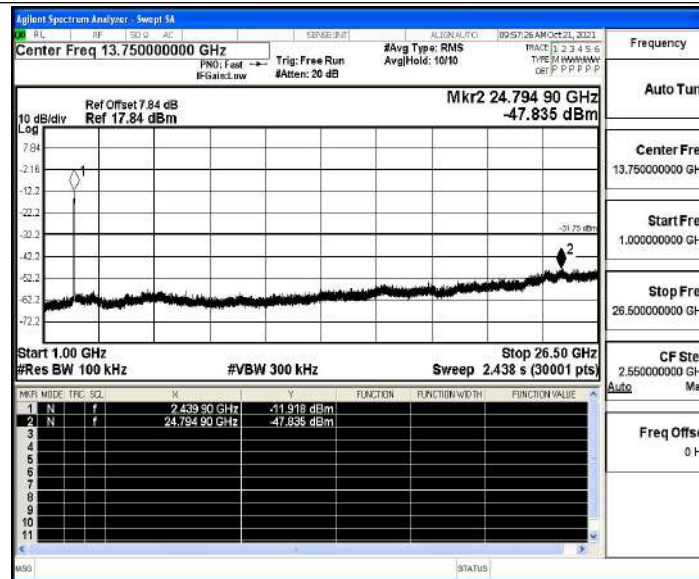
## 11N40SISO\_Ant1\_2437\_0~Reference



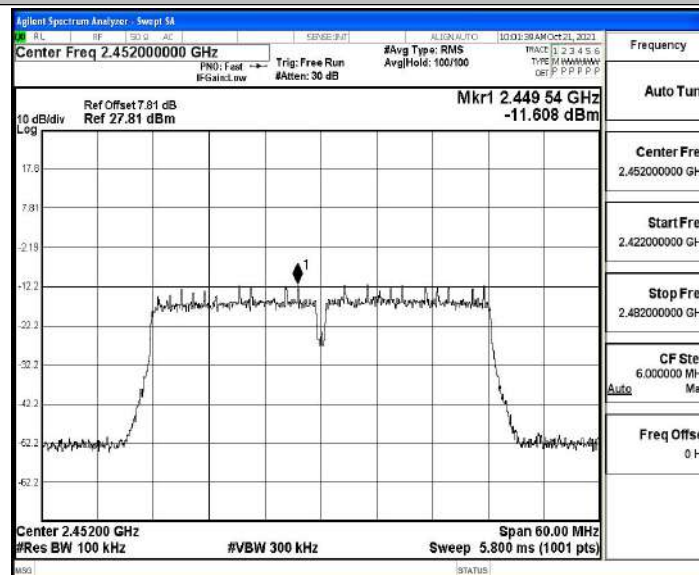
## 11N40SISO\_Ant1\_2437\_30~1000



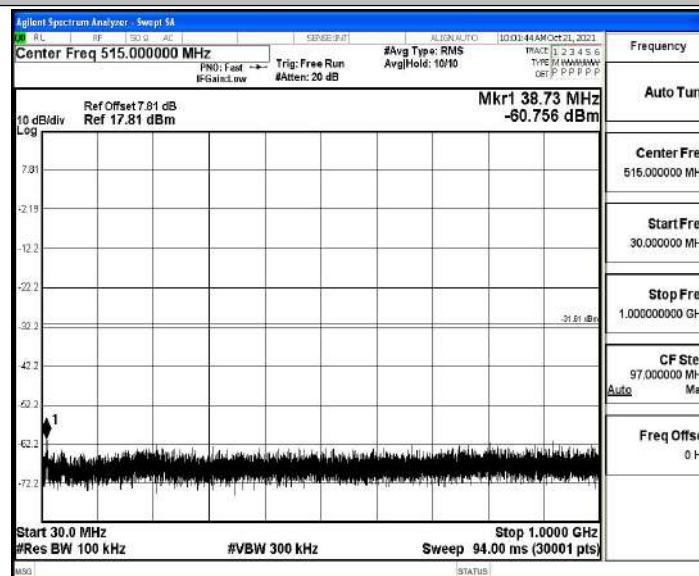
## 11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference

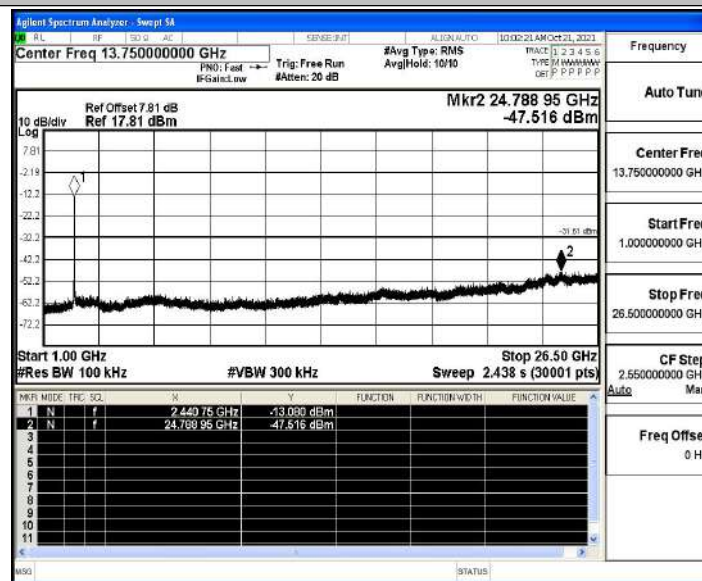


11N40SISO\_Ant1\_2452\_30~1000





## 11N40SISO\_Ant1\_2452\_1000~26500





## C.6 Duty Cycle

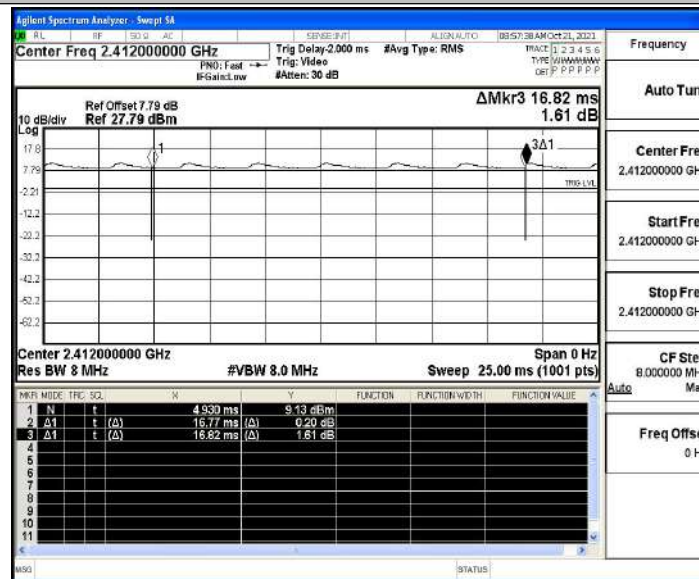
### Test Result

| TestMode  | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| 11B       | Ant1    | 2412    | 16.77                      | 16.82                    | 99.70          | ---   | PASS    |
|           |         | 2437    | 30.00                      | 30.00                    | 100.00         | ---   | PASS    |
|           |         | 2462    | 30.00                      | 30.00                    | 100.00         | ---   | PASS    |
| 11G       | Ant1    | 2412    | 1.39                       | 1.43                     | 97.20          | ---   | PASS    |
|           |         | 2437    | 1.39                       | 1.43                     | 97.20          | ---   | PASS    |
|           |         | 2462    | 1.39                       | 1.43                     | 97.20          | ---   | PASS    |
| 11N20SISO | Ant1    | 2412    | 1.30                       | 1.34                     | 97.01          | ---   | PASS    |
|           |         | 2437    | 1.30                       | 1.34                     | 97.01          | ---   | PASS    |
|           |         | 2462    | 1.30                       | 1.34                     | 97.01          | ---   | PASS    |
| 11N40SISO | Ant1    | 2422    | 0.64                       | 0.68                     | 94.12          | ---   | PASS    |
|           |         | 2437    | 0.64                       | 0.68                     | 94.12          | ---   | PASS    |
|           |         | 2452    | 0.64                       | 0.68                     | 94.12          | ---   | PASS    |

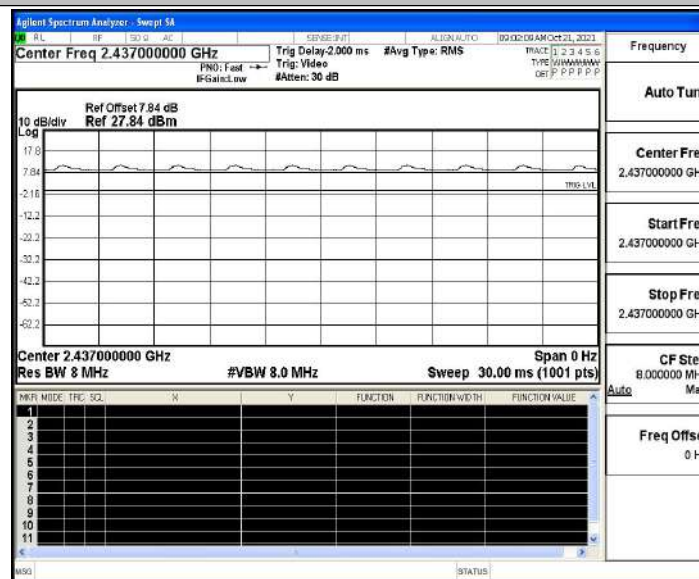


## Test Graphs

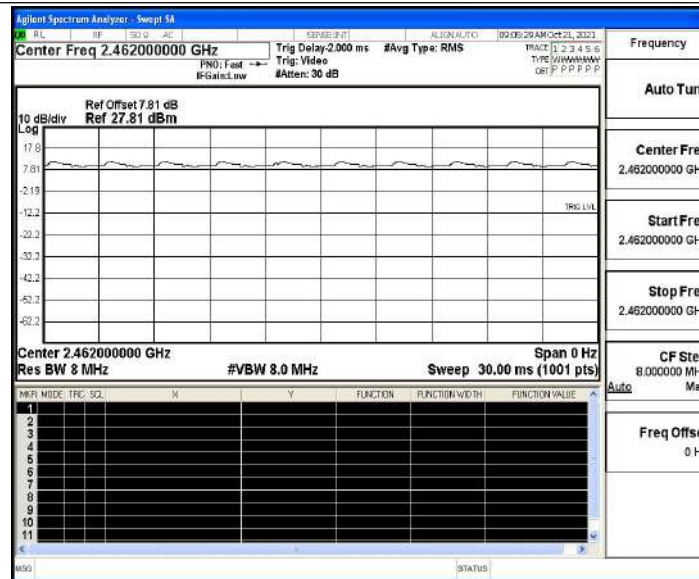
11B\_Ant1\_2412



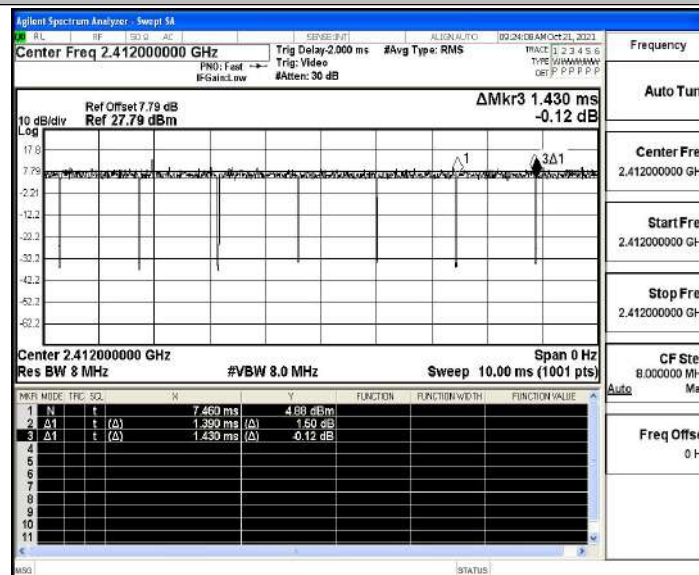
11B\_Ant1\_2437



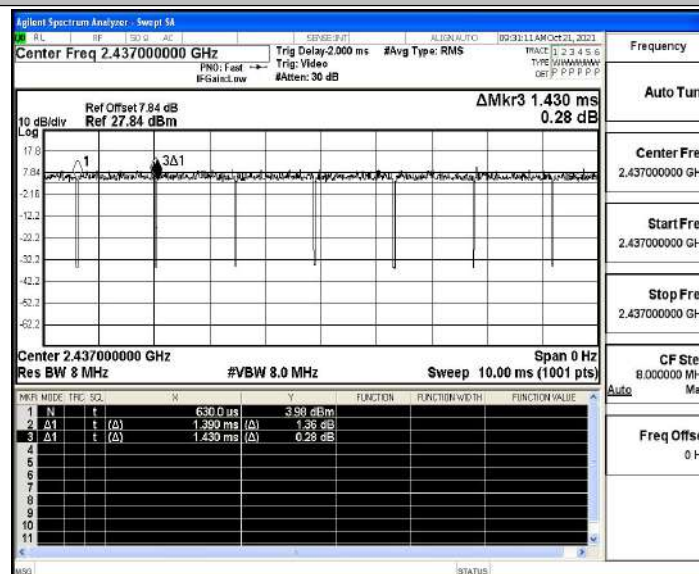
11B\_Ant1\_2462



11G\_Ant1\_2412

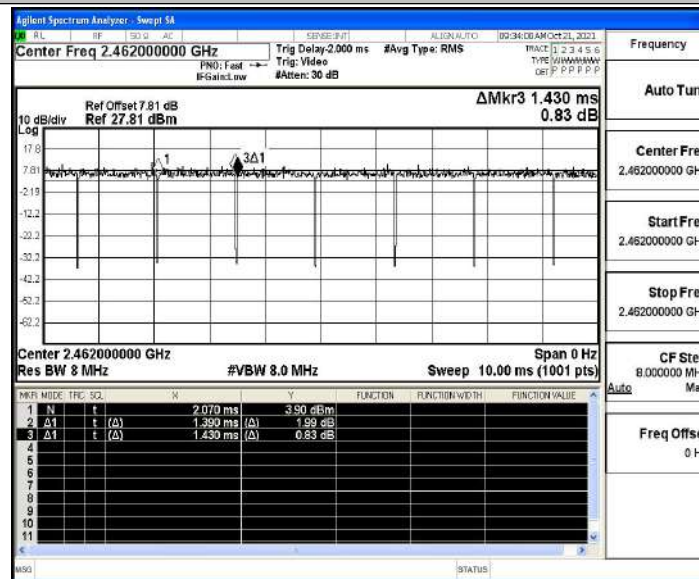


11G\_Ant1\_2437

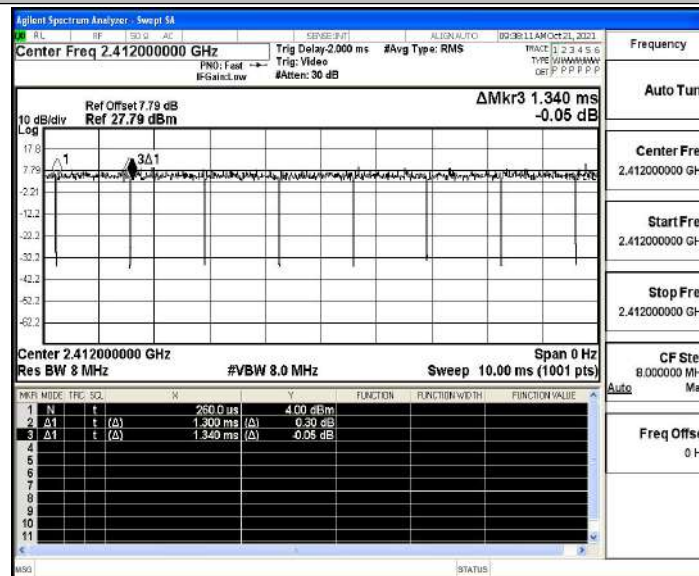




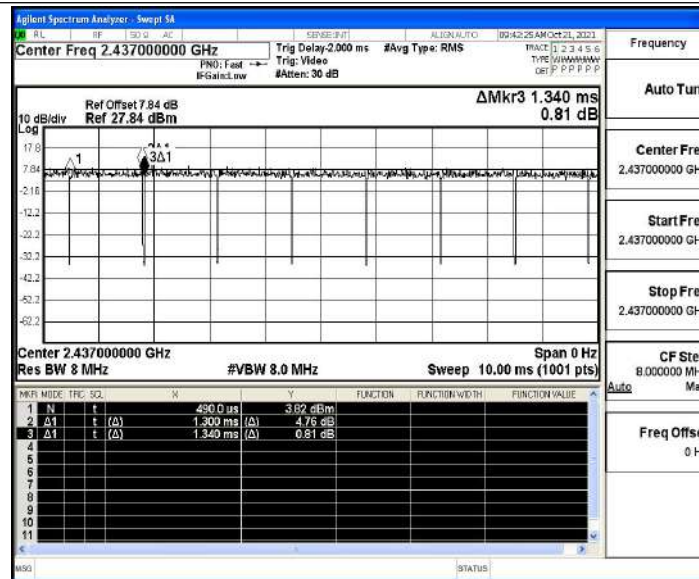
## 11G\_Ant1\_2462



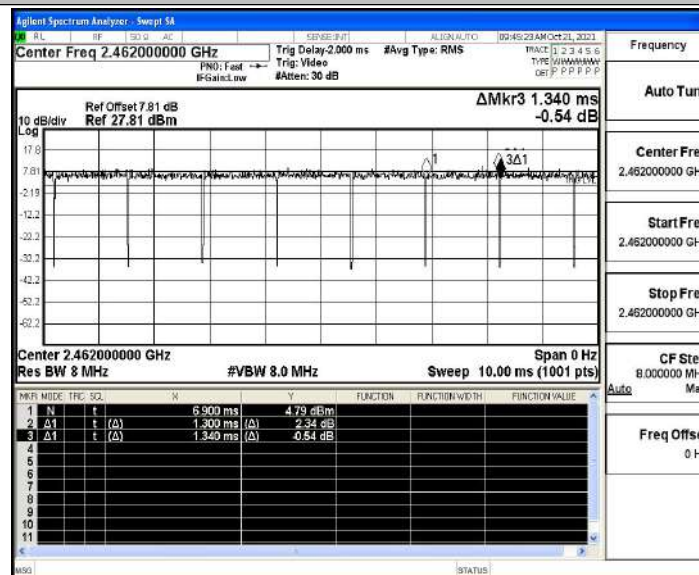
## 11N20SISO\_Ant1\_2412



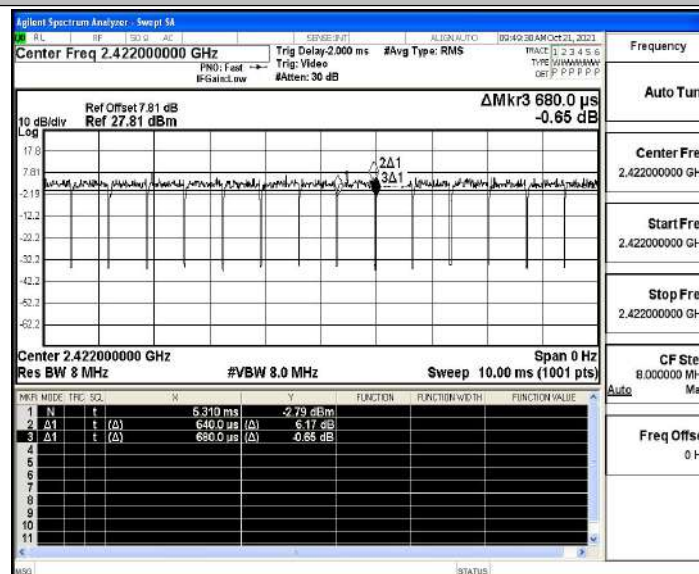
## 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

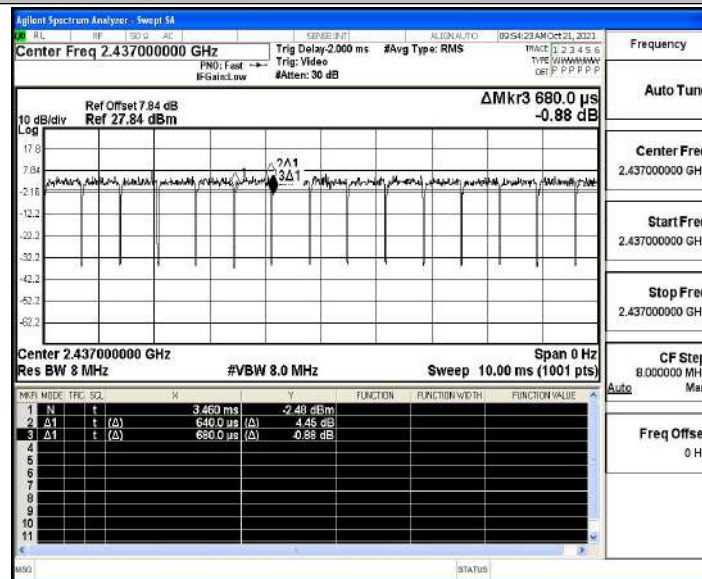


11N40SISO\_Ant1\_2422

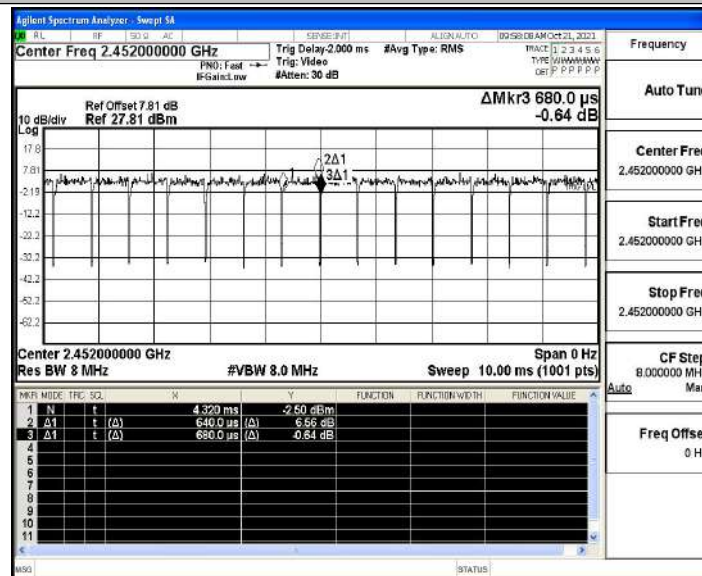




## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452

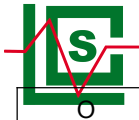




## C.7 Emissions in Restricted Bands

### Test Result

| TestMode      | Antenna | ChName | Channel | Detector | Freq.<br>[MHz] | Result<br>[dBm] | Limit<br>[dBm] | Result<br>[dBuV/m] | Limit<br>[dBuV/m] | Verdict |
|---------------|---------|--------|---------|----------|----------------|-----------------|----------------|--------------------|-------------------|---------|
| 11B           | Ant1    | Low    | 2412    | AV       | 2310.000       | -49.4           | ≤-41.20        | 45.80              | ≤54               | PASS    |
|               |         |        |         | AV       | 2389.960       | -48.96          | ≤-41.20        | 46.24              | ≤54               | PASS    |
|               |         |        |         | AV       | 2390.000       | -48.96          | ≤-41.20        | 46.24              | ≤54               | PASS    |
|               |         |        |         | Peak     | 2310.000       | -42.76          | ≤-21.20        | 52.44              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2356.810       | -40.13          | ≤-21.20        | 55.07              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2390.000       | -43.69          | ≤-21.20        | 51.51              | ≤74               | PASS    |
|               |         | High   | 2462    | AV       | 2483.500       | -48.59          | ≤-41.20        | 46.61              | ≤54               | PASS    |
|               |         |        |         | AV       | 2498.630       | -48.31          | ≤-41.20        | 46.89              | ≤54               | PASS    |
|               |         |        |         | AV       | 2500.000       | -48.36          | ≤-41.20        | 46.84              | ≤54               | PASS    |
|               |         |        |         | Peak     | 2483.500       | -41.07          | ≤-21.20        | 54.13              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2495.110       | -40.11          | ≤-21.20        | 55.09              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2500.000       | -42.61          | ≤-21.20        | 52.59              | ≤74               | PASS    |
| 11G           | Ant1    | Low    | 2412    | AV       | 2310.000       | -48.81          | ≤-41.20        | 46.39              | ≤54               | PASS    |
|               |         |        |         | AV       | 2389.180       | -47.95          | ≤-41.20        | 47.25              | ≤54               | PASS    |
|               |         |        |         | AV       | 2390.000       | -48.1           | ≤-41.20        | 47.10              | ≤54               | PASS    |
|               |         |        |         | Peak     | 2310.000       | -42.6           | ≤-21.20        | 52.60              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2318.980       | -38.78          | ≤-21.20        | 56.42              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2390.000       | -41.15          | ≤-21.20        | 54.05              | ≤74               | PASS    |
|               |         | High   | 2462    | AV       | 2483.500       | -47.71          | ≤-41.20        | 47.49              | ≤54               | PASS    |
|               |         |        |         | AV       | 2495.660       | -47.44          | ≤-41.20        | 47.76              | ≤54               | PASS    |
|               |         |        |         | AV       | 2500.000       | -47.57          | ≤-41.20        | 47.63              | ≤54               | PASS    |
|               |         |        |         | Peak     | 2483.500       | -39.79          | ≤-21.20        | 55.41              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2487.410       | -38.32          | ≤-21.20        | 56.88              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2500.000       | -40.22          | ≤-21.20        | 54.98              | ≤74               | PASS    |
| 11N20SIS<br>O | Ant1    | Low    | 2412    | AV       | 2310.000       | -48.8           | ≤-41.20        | 46.40              | ≤54               | PASS    |
|               |         |        |         | AV       | 2389.700       | -48.01          | ≤-41.20        | 47.19              | ≤54               | PASS    |
|               |         |        |         | AV       | 2390.000       | -48.1           | ≤-41.20        | 47.10              | ≤54               | PASS    |
|               |         |        |         | Peak     | 2310.000       | -41.94          | ≤-21.20        | 53.26              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2351.610       | -39.16          | ≤-21.20        | 56.04              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2390.000       | -40.12          | ≤-21.20        | 55.08              | ≤74               | PASS    |
|               |         | High   | 2462    | AV       | 2483.500       | -47.65          | ≤-41.20        | 47.55              | ≤54               | PASS    |
|               |         |        |         | AV       | 2498.740       | -47.4           | ≤-41.20        | 47.80              | ≤54               | PASS    |
|               |         |        |         | AV       | 2500.000       | -47.64          | ≤-41.20        | 47.56              | ≤54               | PASS    |
|               |         |        |         | Peak     | 2483.500       | -40.5           | ≤-21.20        | 54.70              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2489.280       | -37.57          | ≤-21.20        | 57.63              | ≤74               | PASS    |
|               |         |        |         | Peak     | 2500.000       | -39.96          | ≤-21.20        | 55.24              | ≤74               | PASS    |
| 11N40SIS      | Ant1    | Low    | 2422    | AV       | 2310.000       | -48.5           | ≤-41.20        | 46.70              | ≤54               | PASS    |



|  |  |      |      |      |          |        |               |       |           |      |
|--|--|------|------|------|----------|--------|---------------|-------|-----------|------|
|  |  |      |      | AV   | 2374.750 | -47.68 | $\leq -41.20$ | 47.52 | $\leq 54$ | PASS |
|  |  |      |      | AV   | 2390.000 | -47.85 | $\leq -41.20$ | 47.35 | $\leq 54$ | PASS |
|  |  |      |      | Peak | 2310.000 | -41.25 | $\leq -21.20$ | 53.95 | $\leq 74$ | PASS |
|  |  |      |      | Peak | 2362.920 | -38.95 | $\leq -21.20$ | 56.25 | $\leq 74$ | PASS |
|  |  |      |      | Peak | 2390.000 | -42.02 | $\leq -21.20$ | 53.18 | $\leq 74$ | PASS |
|  |  | High | 2452 | AV   | 2483.500 | -47.38 | $\leq -41.20$ | 47.82 | $\leq 54$ | PASS |
|  |  |      |      | AV   | 2498.190 | -47    | $\leq -41.20$ | 48.20 | $\leq 54$ | PASS |
|  |  |      |      | AV   | 2500.000 | -47.32 | $\leq -41.20$ | 47.88 | $\leq 54$ | PASS |
|  |  |      |      | Peak | 2483.500 | -39.65 | $\leq -21.20$ | 55.55 | $\leq 74$ | PASS |
|  |  |      |      | Peak | 2488.840 | -38.6  | $\leq -21.20$ | 56.60 | $\leq 74$ | PASS |
|  |  |      |      | Peak | 2500.000 | -41.29 | $\leq -21.20$ | 53.91 | $\leq 74$ | PASS |

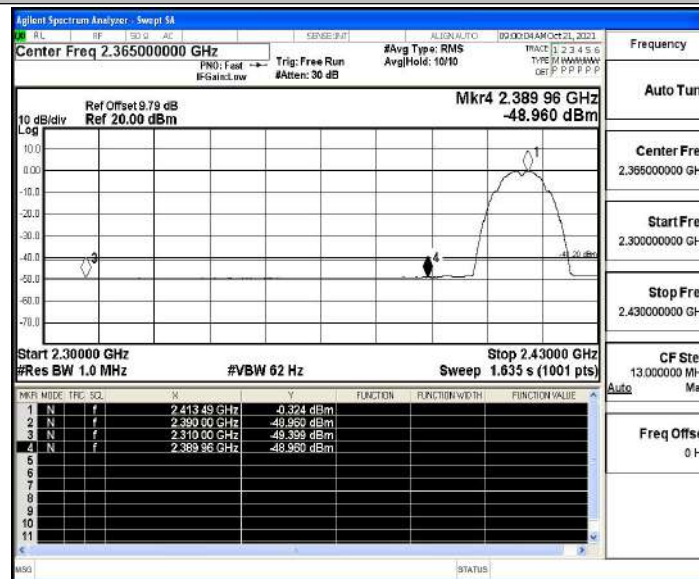
## Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

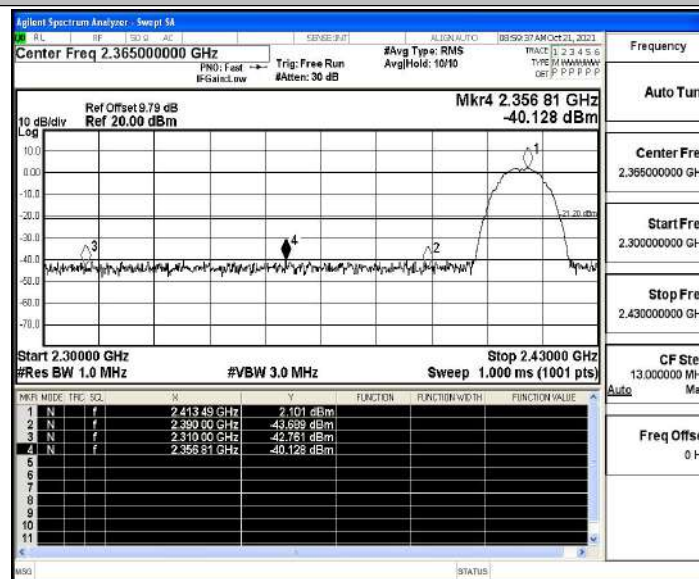


## Test Graphs

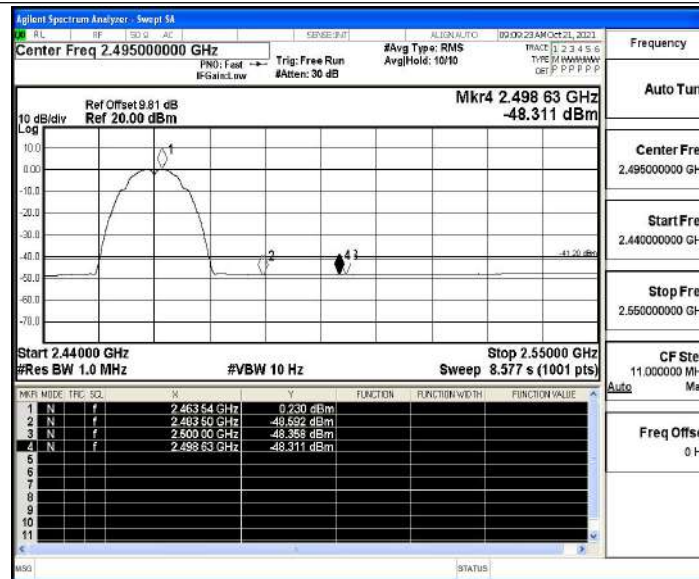
11B\_Ant1\_Low\_2412\_AV



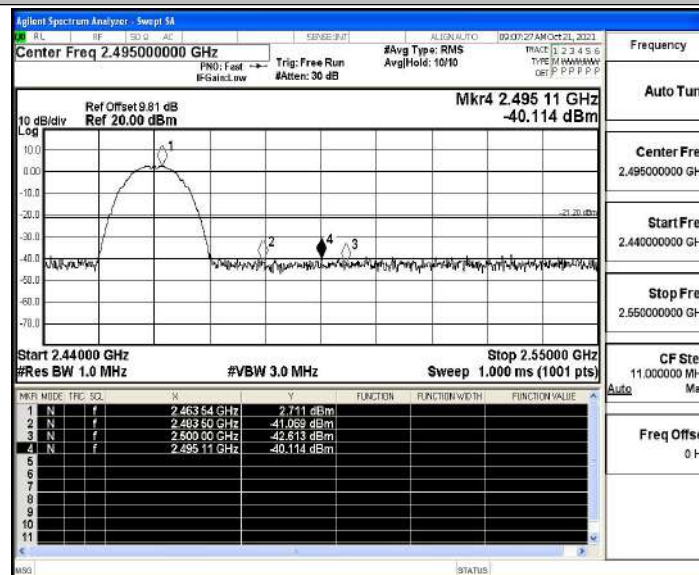
11B\_Ant1\_Low\_2412\_Peak



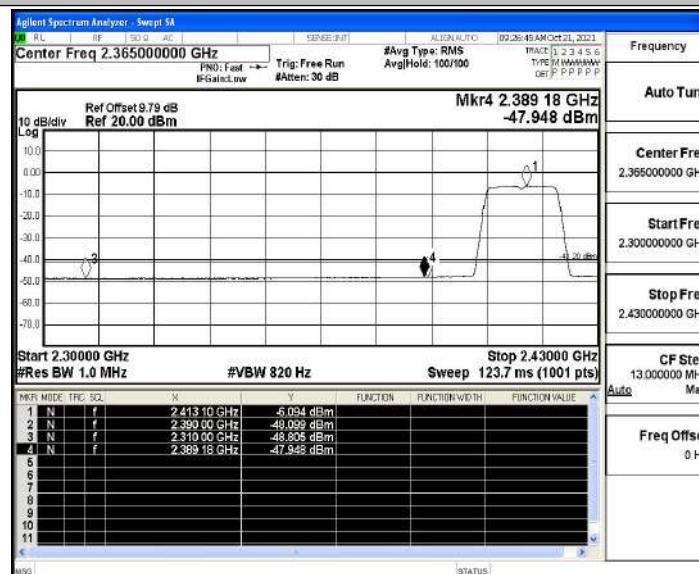
11B\_Ant1\_High\_2462\_AV



11B\_Ant1\_High\_2462\_Peak

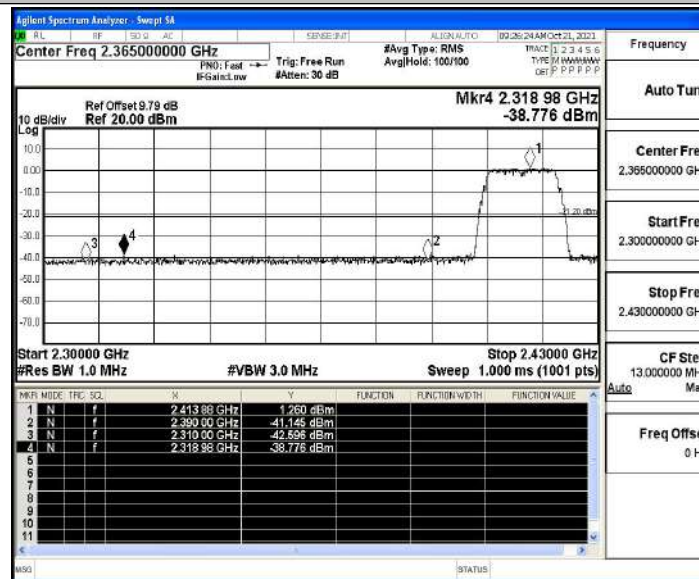


11G\_Ant1\_Low\_2412\_AV

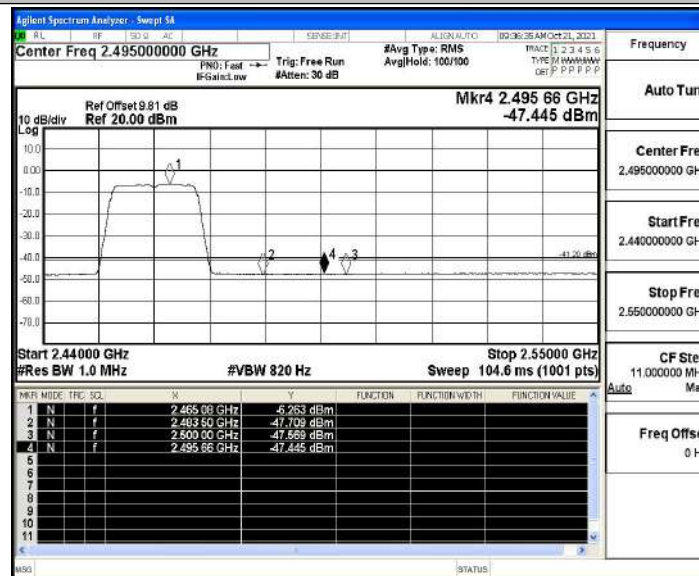




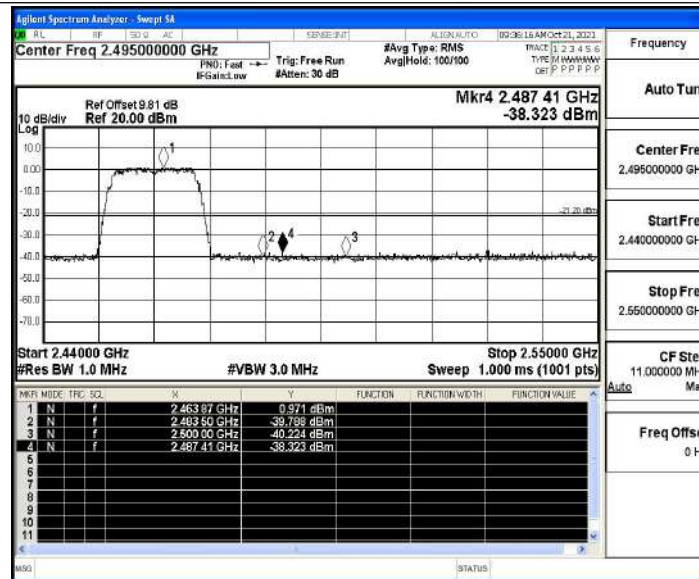
## 11G\_Ant1\_Low\_2412\_Peak



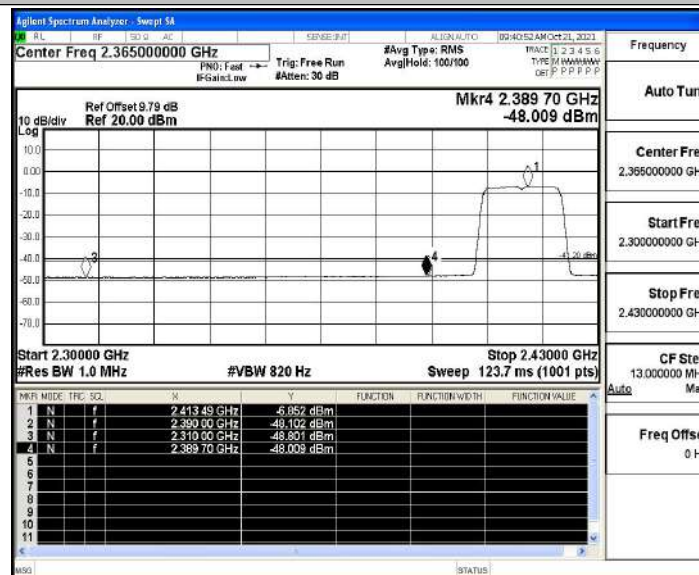
## 11G\_Ant1\_High\_2462\_AV



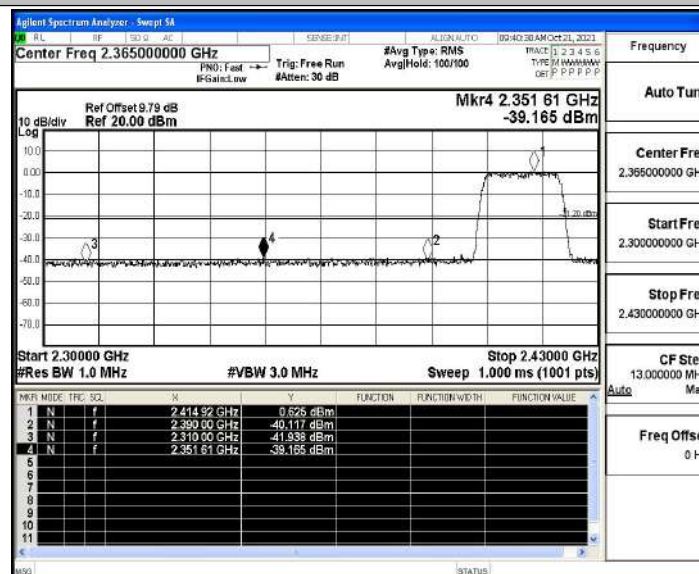
## 11G\_Ant1\_High\_2462\_Peak



11N20SISO\_Ant1\_Low\_2412\_AV

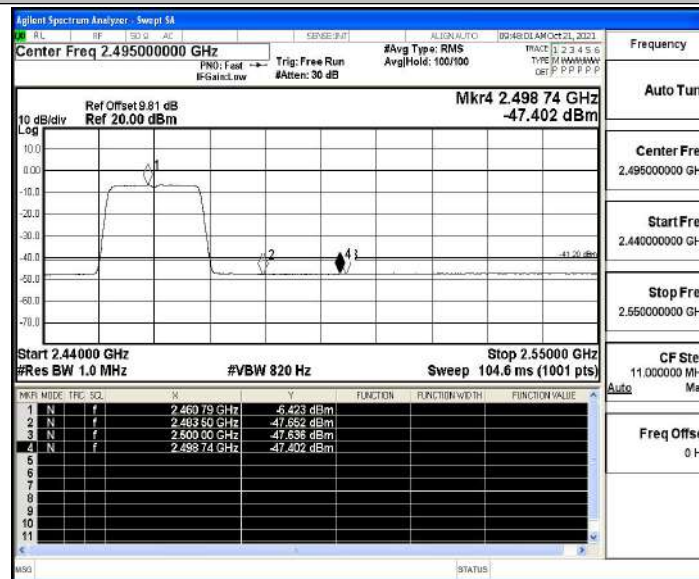


11N20SISO\_Ant1\_Low\_2412\_Peak

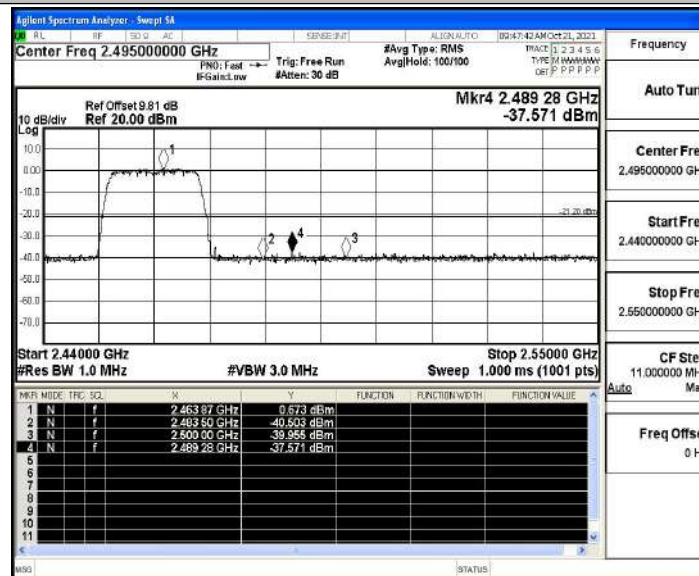




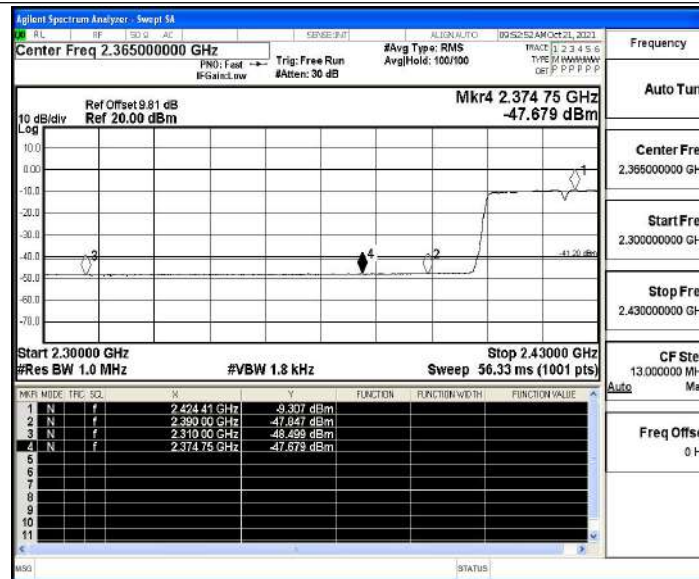
## 11N20SISO\_Ant1\_High\_2462\_AV



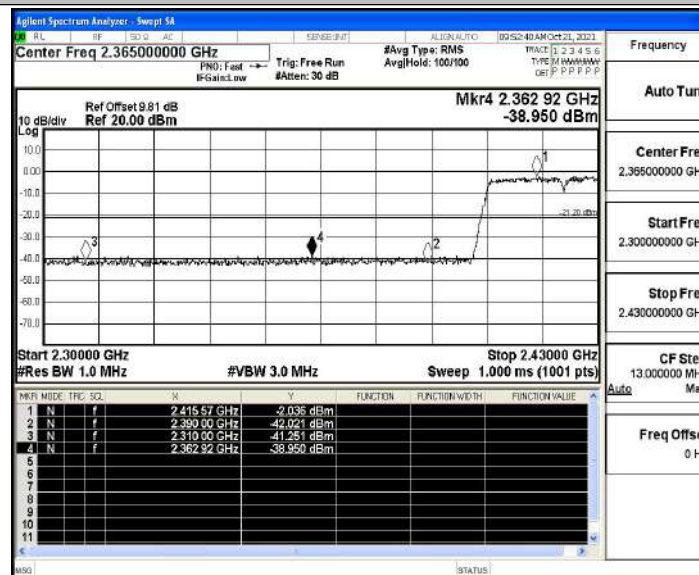
## 11N20SISO\_Ant1\_High\_2462\_Peak



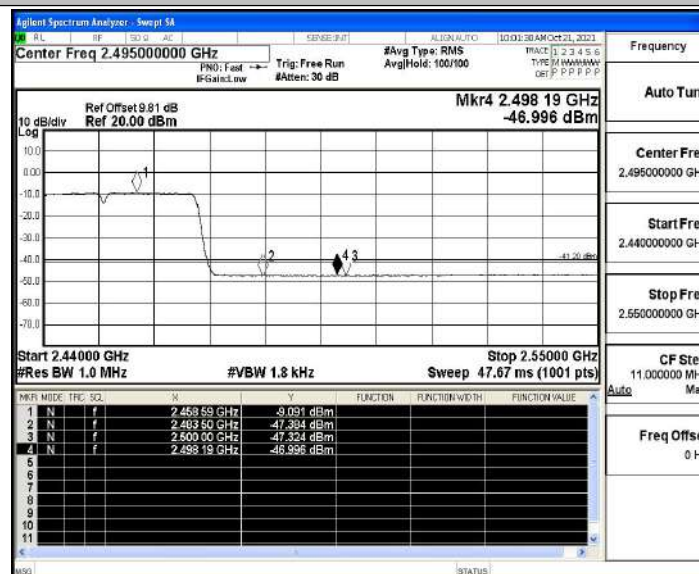
## 11N40SISO\_Ant1\_Low\_2422\_AV



11N40SISO\_Ant1\_Low\_2422\_Peak



11N40SISO\_Ant1\_High\_2452\_AV





## 11N40SISO\_Ant1\_High\_2452\_Peak

