



## Appendix C

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

**Product Name:** HyBook

**Trade Mark:** HYUNDAI

**Test Model:** HT14CCIC44SG

#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 21.1 °C   |
| Relative Humidity: | 52.2%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Jay Li    |
| Supervised by:     | Li Huan   |



## Appendix C.1: DTS Bandwidth

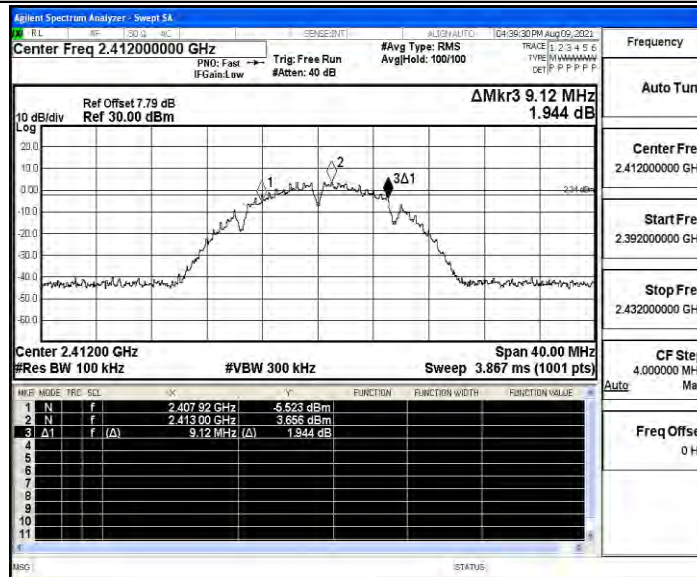
### Test Result

| TestMode  | Antenna | Channel | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|--------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412    | 9.120        | 2407.920 | 2417.040 | 0.5        | PASS    |
|           |         | 2437    | 9.120        | 2432.440 | 2441.560 | 0.5        | PASS    |
|           |         | 2462    | 8.160        | 2457.400 | 2465.560 | 0.5        | PASS    |
| 11G       | Ant1    | 2412    | 15.480       | 2404.440 | 2419.920 | 0.5        | PASS    |
|           |         | 2437    | 15.760       | 2429.440 | 2445.200 | 0.5        | PASS    |
|           |         | 2462    | 15.800       | 2453.800 | 2469.600 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412    | 13.880       | 2405.720 | 2419.600 | 0.5        | PASS    |
|           |         | 2437    | 17.360       | 2428.440 | 2445.800 | 0.5        | PASS    |
|           |         | 2462    | 15.200       | 2453.160 | 2468.360 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422    | 26.400       | 2408.160 | 2434.560 | 0.5        | PASS    |
|           |         | 2437    | 35.680       | 2419.320 | 2455.000 | 0.5        | PASS    |
|           |         | 2452    | 26.400       | 2438.160 | 2464.560 | 0.5        | PASS    |

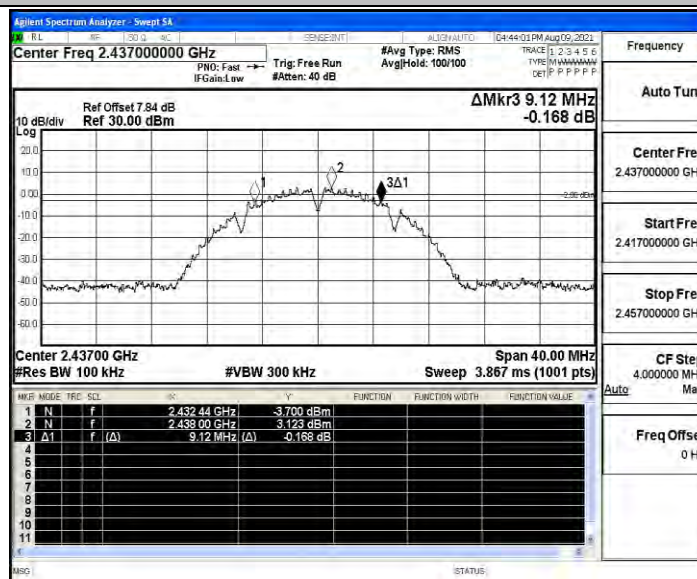


## Test Graphs

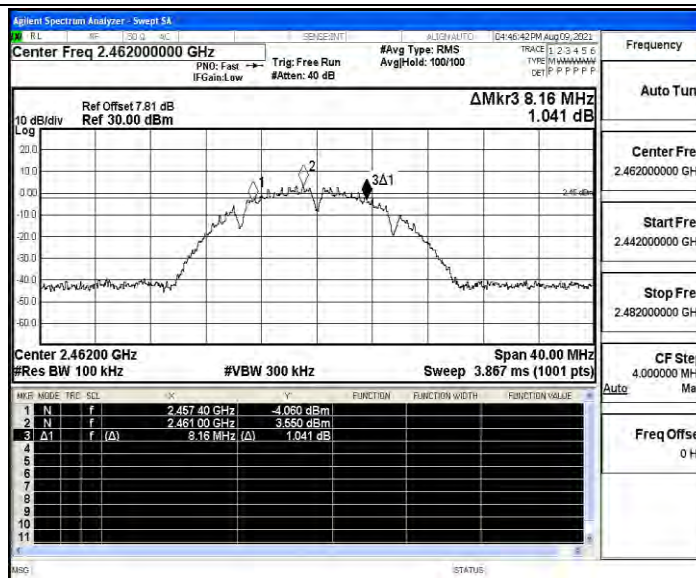
11B\_Ant1\_2412



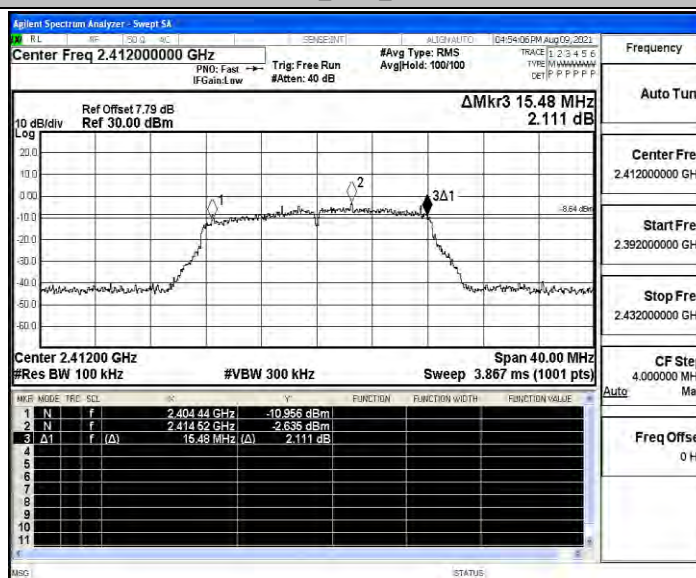
11B\_Ant1\_2437



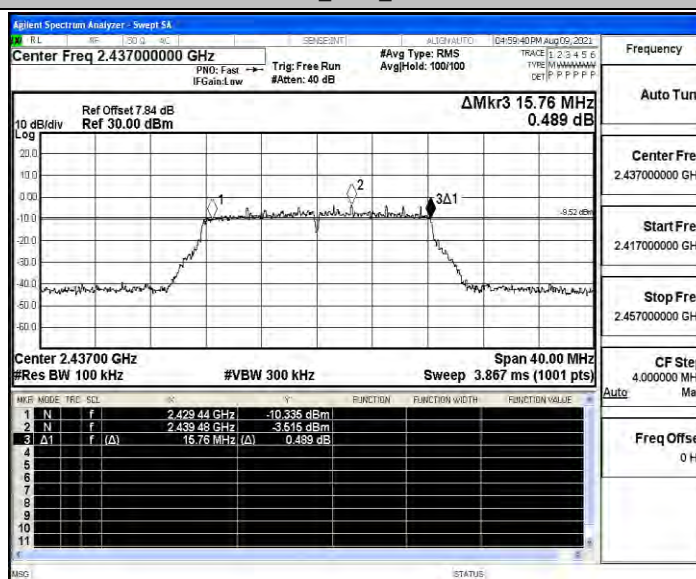
11B\_Ant1\_2462



11G\_Ant1\_2412

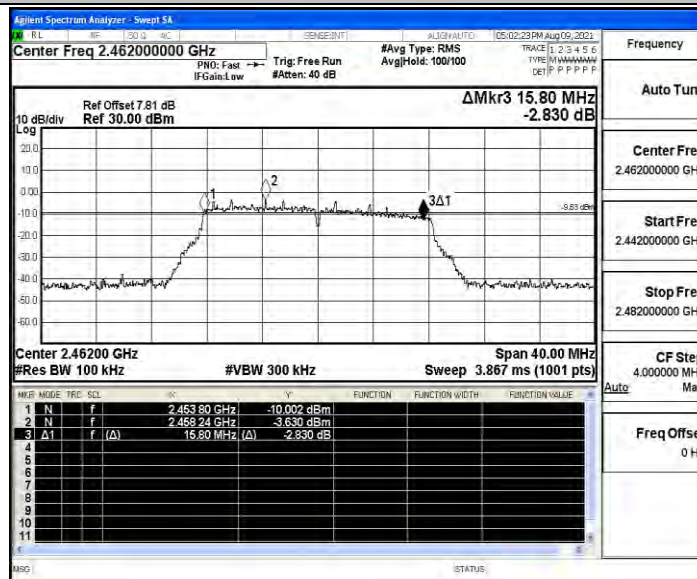


11G\_Ant1\_2437

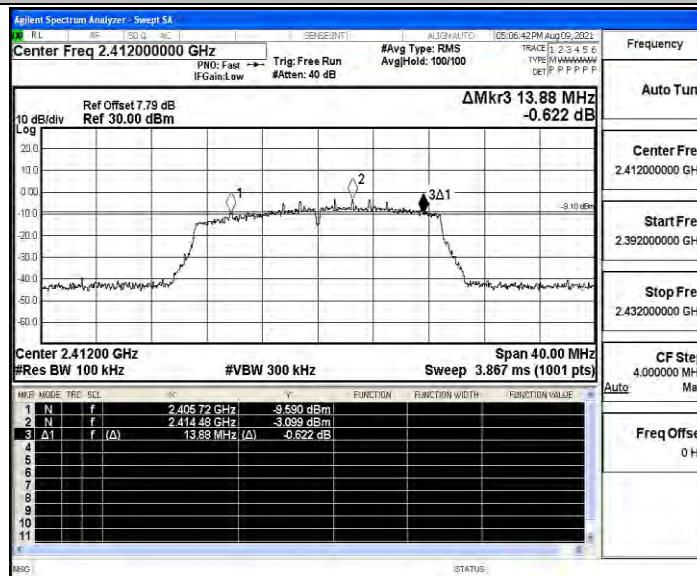




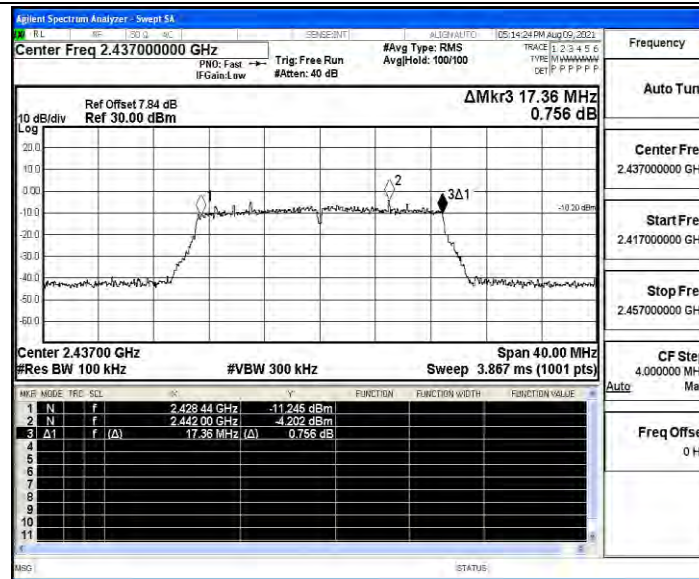
## 11G\_Ant1\_2462



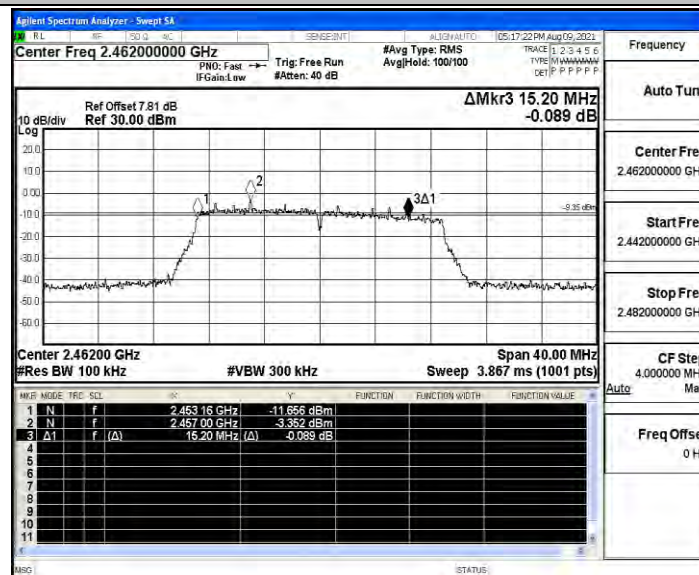
## 11N20SISO\_Ant1\_2412



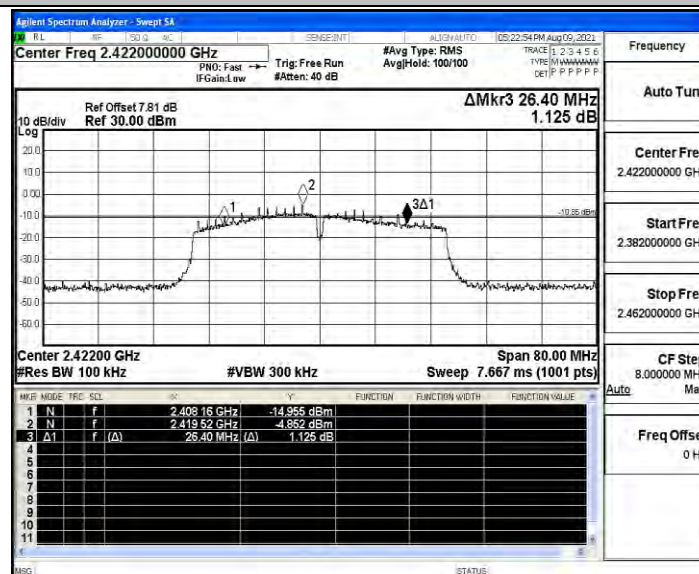
## 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

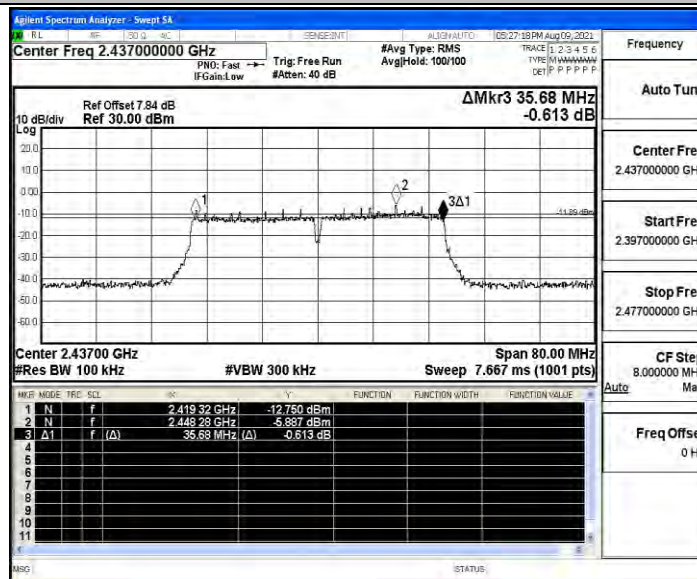


11N40SISO\_Ant1\_2422

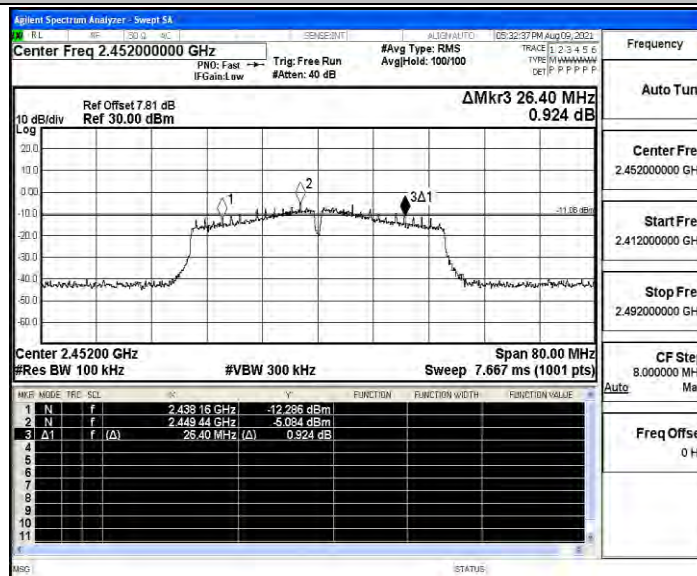




## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452





## Appendix C.2: Maximum peak conducted output power

### Test Result

| TestMode  | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| 11B       | Ant1    | 2412    | 8.73        | $\leq 30$  | PASS    |
|           |         | 2437    | 8.24        | $\leq 30$  | PASS    |
|           |         | 2462    | 8.16        | $\leq 30$  | PASS    |
| 11G       | Ant1    | 2412    | 8.06        | $\leq 30$  | PASS    |
|           |         | 2437    | 8.54        | $\leq 30$  | PASS    |
|           |         | 2462    | 8.43        | $\leq 30$  | PASS    |
| 11N20SISO | Ant1    | 2412    | 8.07        | $\leq 30$  | PASS    |
|           |         | 2437    | 8.22        | $\leq 30$  | PASS    |
|           |         | 2462    | 8.00        | $\leq 30$  | PASS    |
| 11N40SISO | Ant1    | 2422    | 8.15        | $\leq 30$  | PASS    |
|           |         | 2437    | 8.32        | $\leq 30$  | PASS    |
|           |         | 2452    | 8.27        | $\leq 30$  | PASS    |



## Appendix C.3: Maximum power spectral density

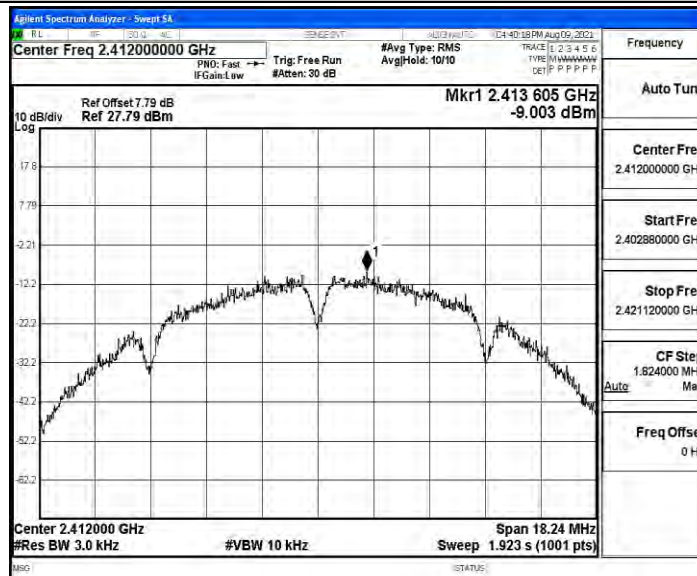
### Test Result

| TestMode  | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|------------------|-----------------|---------|
| 11B       | Ant1    | 2412    | -9.00            | $\leq 8$        | PASS    |
|           |         | 2437    | -10.33           | $\leq 8$        | PASS    |
|           |         | 2462    | -9.88            | $\leq 8$        | PASS    |
| 11G       | Ant1    | 2412    | -15.34           | $\leq 8$        | PASS    |
|           |         | 2437    | -16.73           | $\leq 8$        | PASS    |
|           |         | 2462    | -17.26           | $\leq 8$        | PASS    |
| 11N20SISO | Ant1    | 2412    | -17.06           | $\leq 8$        | PASS    |
|           |         | 2437    | -18.31           | $\leq 8$        | PASS    |
|           |         | 2462    | -17.39           | $\leq 8$        | PASS    |
| 11N40SISO | Ant1    | 2422    | -19.32           | $\leq 8$        | PASS    |
|           |         | 2437    | -20.07           | $\leq 8$        | PASS    |
|           |         | 2452    | -18.65           | $\leq 8$        | PASS    |

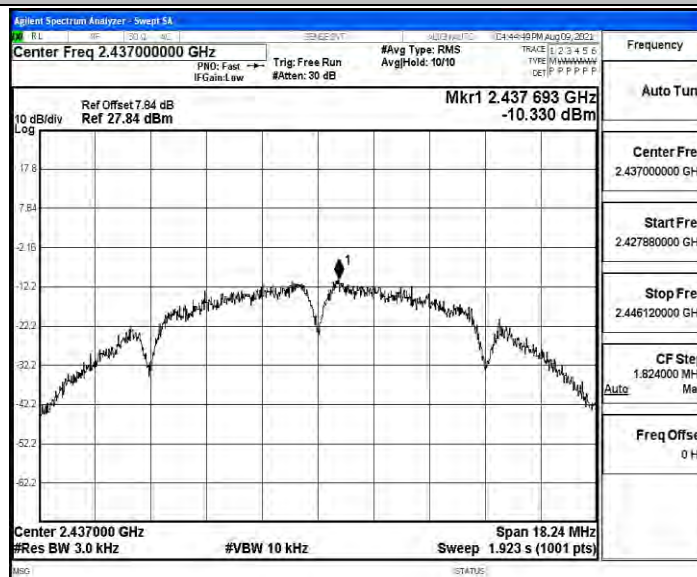


## Test Graphs

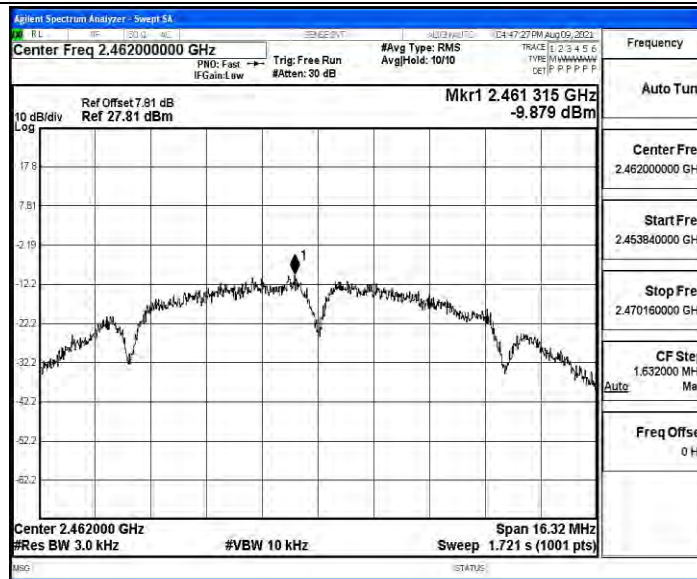
11B\_Ant1\_2412



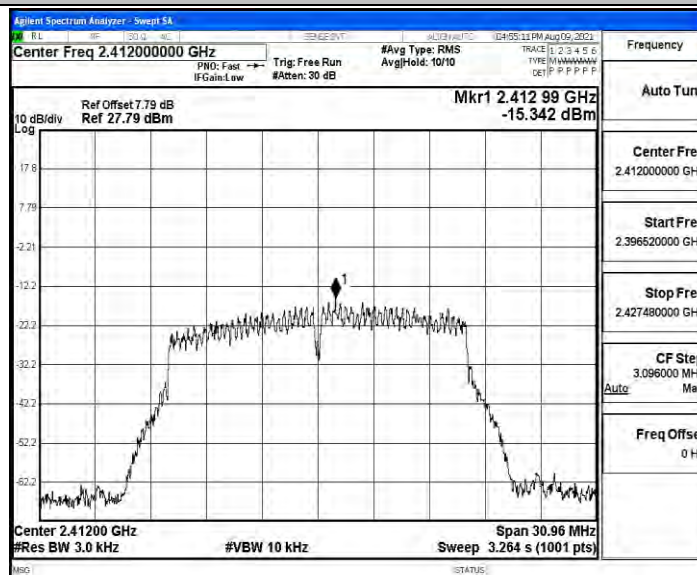
11B\_Ant1\_2437



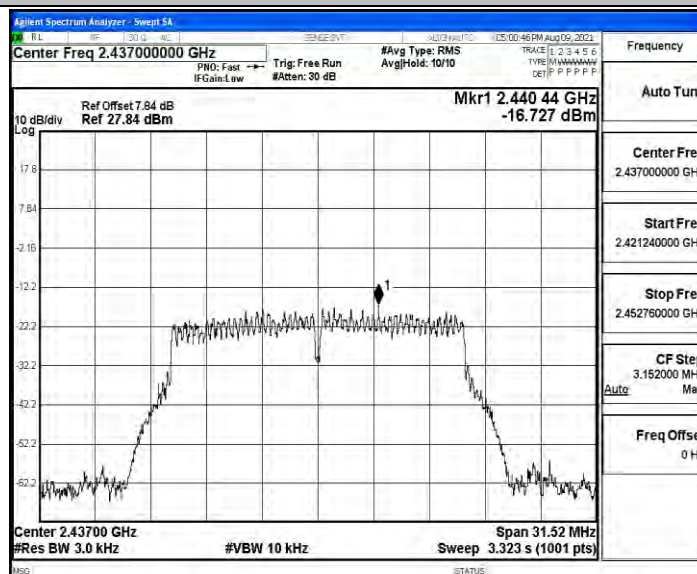
11B\_Ant1\_2462

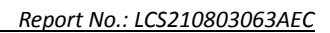


11G\_Ant1\_2412



11G\_Ant1\_2437





Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.46200000 GHz

Trig: Fast Run

IF Gain: Low

#Att: 30 dB

Edge Int

Avg Type: RMS

Avg Hold: 10/10

Trace 1: 2.3456

Type: MWWWWWW

Det: P P P P P

Frequency

Auto Tun

Center Freq 2.46200000 GHz

Start Freq 2.446200000 GHz

Stop Freq 2.477800000 GHz

CF Stop 3.160000 MHz

Auto

Freq Offset 0 Hz

10 dB/div

Ref Offset 7.81 dB

Ref 27.81 dBm

Mkr1 2.459 187.6 GHz

-17.257 dBm

Log

17.8

7.81

-2.18

-12.2

22.2

-32.2

-42.2

-52.2

-62.2

Center 2.46200 GHz

#Res BW 3.0 kHz

#VBW 10 kHz

Span 31.60 MHz

Sweep 3.332 s (1001 pts)

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.412000000 GHz

Ref Offset 7.79 dB  
Ref 27.79 dBm

Trig: Free Run  
#Atten: 30 dB

#Avg Type: RMS  
Avg/Hold: 10/10

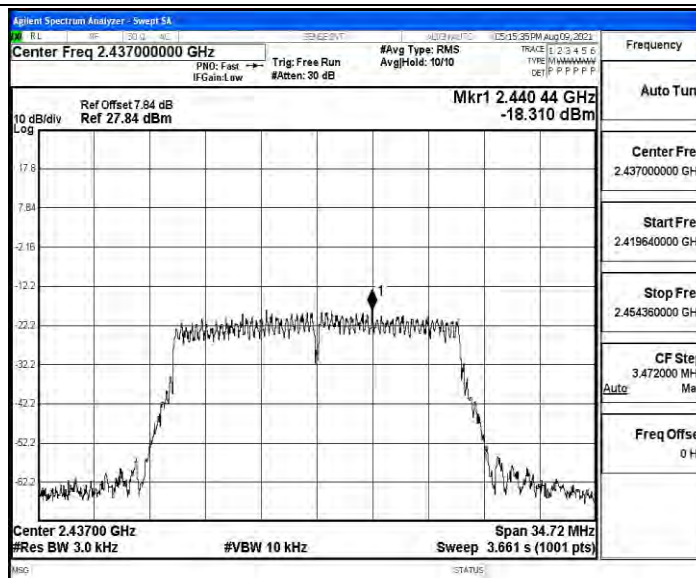
Marker 1: 2.416 997 GHz  
-17.061 dBm

10 dB/div  
L9g

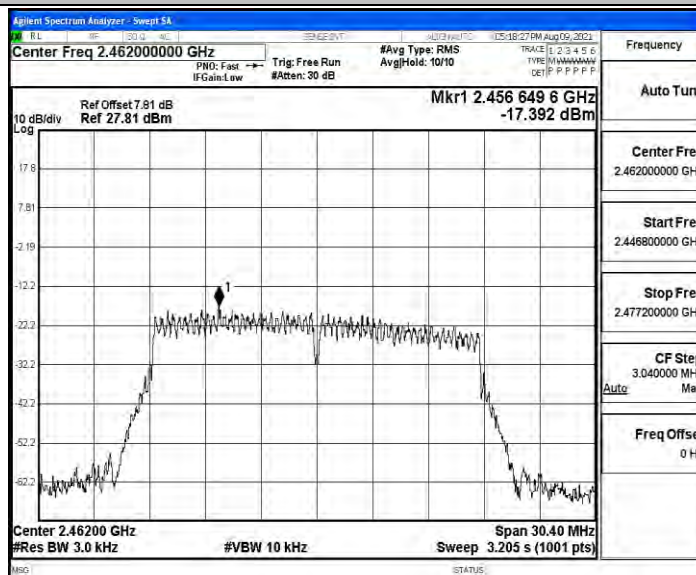
Center Freq 2.412000000 GHz

Span 27.76 MHz  
#Res BW 3.0 kHz  
#VBW 10 kHz  
Sweep 2.927 s (1001 pts)

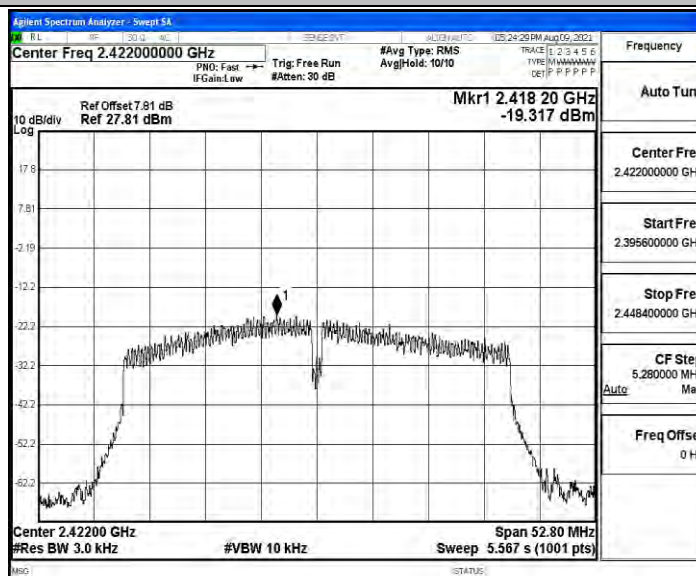
12 / 50



11N20SISO\_Ant1\_2462

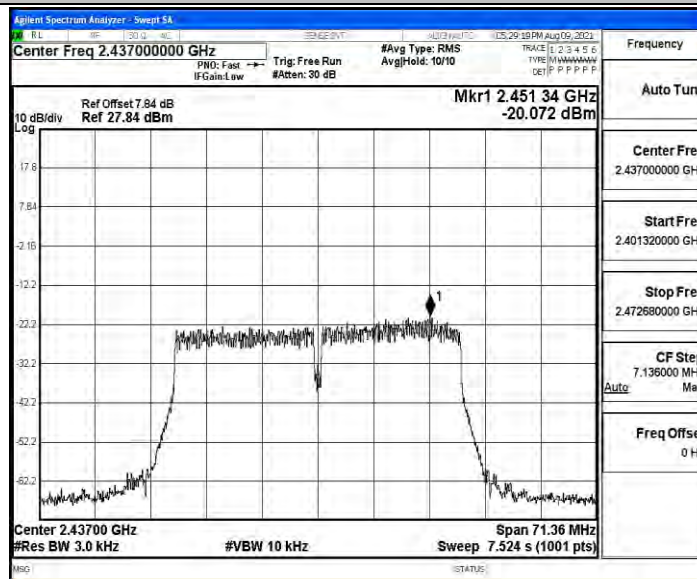


11N40SISO\_Ant1\_2422

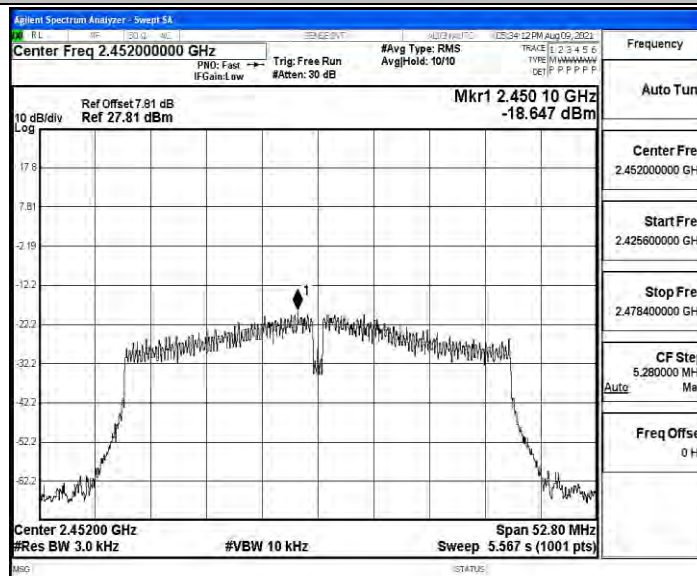




## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452





## Appendix C.4: Band edge measurements

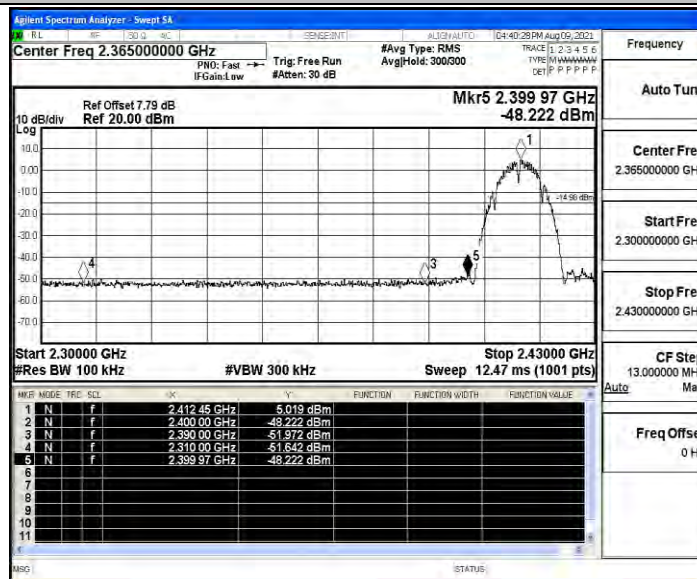
### Test Result

| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|---------|---------------|-------------|---------------|---------|
| 11B       | Ant1    | Low    | 2412    | 5.02          | -48.22      | $\leq -14.98$ | PASS    |
|           |         | High   | 2462    | 4.14          | -48.69      | $\leq -15.86$ | PASS    |
| 11G       | Ant1    | Low    | 2412    | -1.74         | -48         | $\leq -21.74$ | PASS    |
|           |         | High   | 2462    | -3.26         | -48.98      | $\leq -23.26$ | PASS    |
| 11N20SISO | Ant1    | Low    | 2412    | -2.75         | -49.34      | $\leq -22.75$ | PASS    |
|           |         | High   | 2462    | -3.63         | -48.94      | $\leq -23.63$ | PASS    |
| 11N40SISO | Ant1    | Low    | 2422    | -4.93         | -47.85      | $\leq -24.93$ | PASS    |
|           |         | High   | 2452    | -4.43         | -49.15      | $\leq -24.43$ | PASS    |

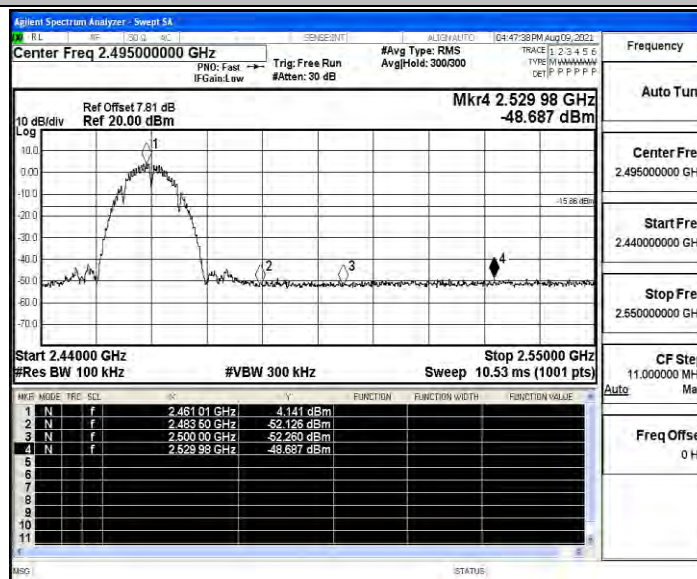


## Test Graphs

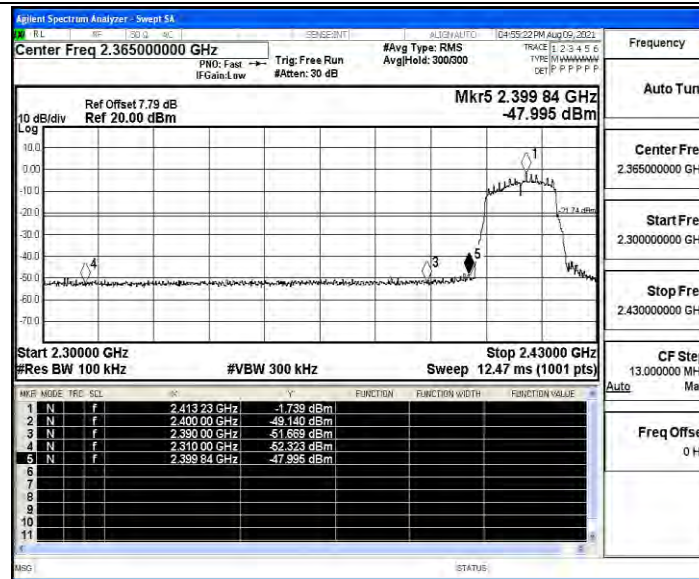
11B\_Ant1\_Low\_2412



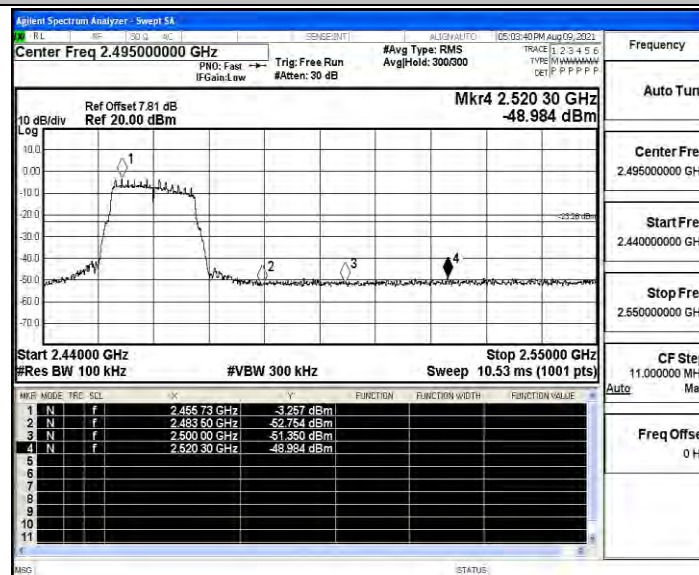
11B\_Ant1\_High\_2462



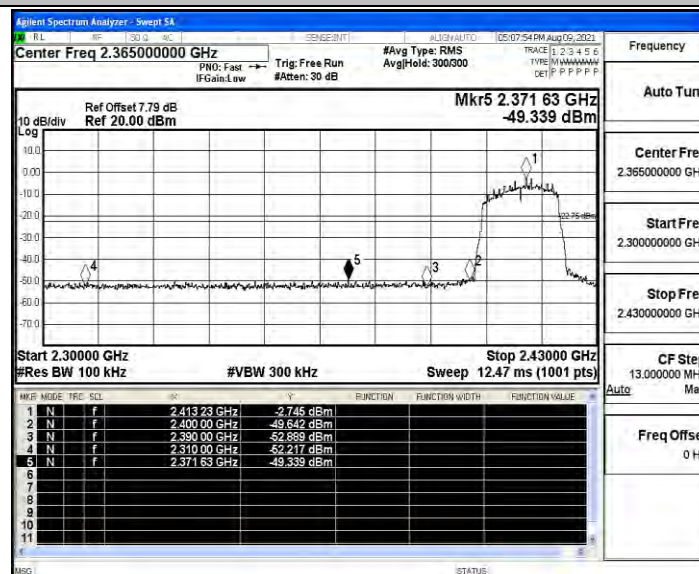
11G\_Ant1\_Low\_2412



11G\_Ant1\_High\_2462

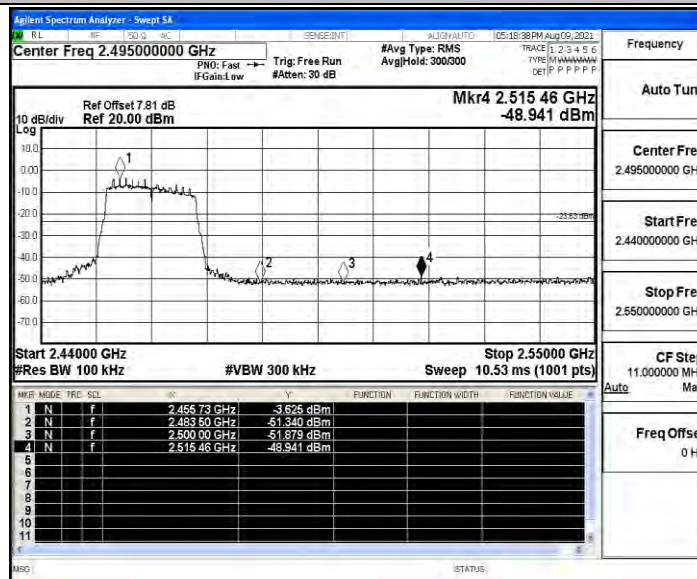


11N20SISO\_Ant1\_Low\_2412

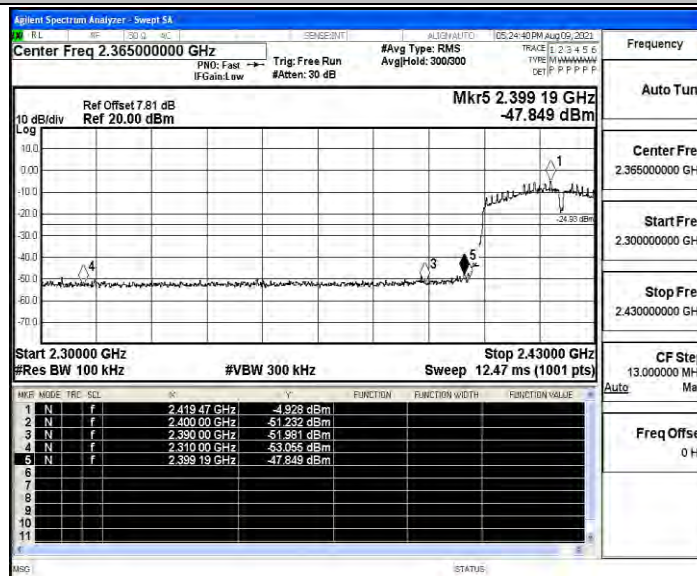




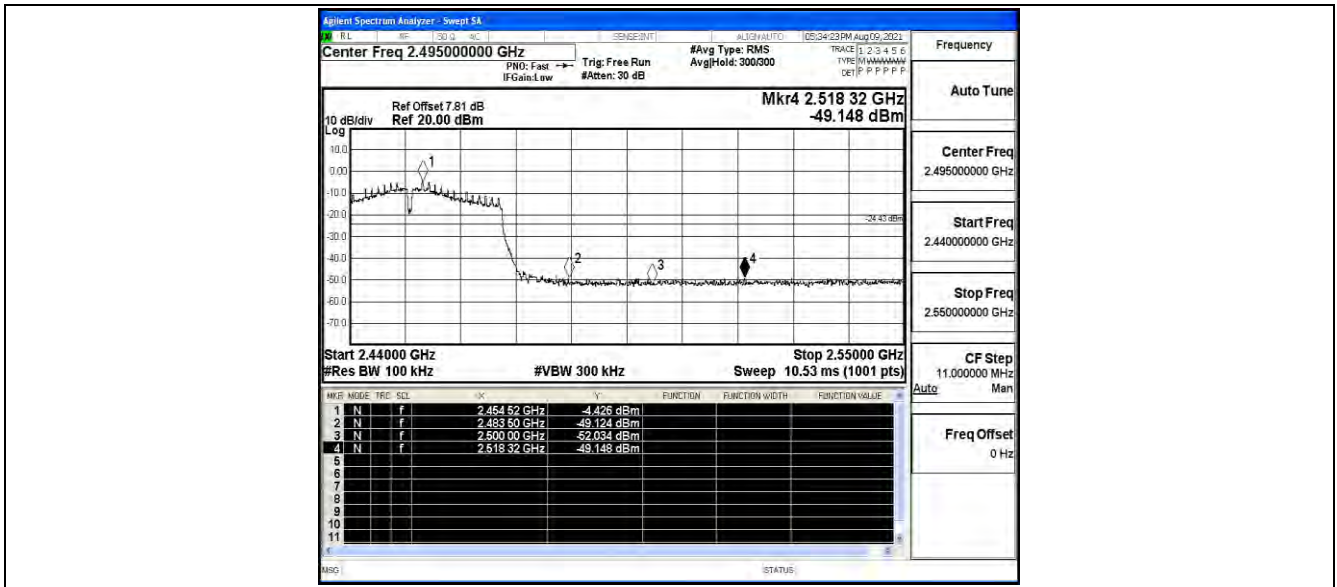
## 11N20SISO\_Ant1\_High\_2462



## 11N40SISO\_Ant1\_Low\_2422



## 11N40SISO\_Ant1\_High\_2452





## Appendix C.5: Conducted Spurious Emission

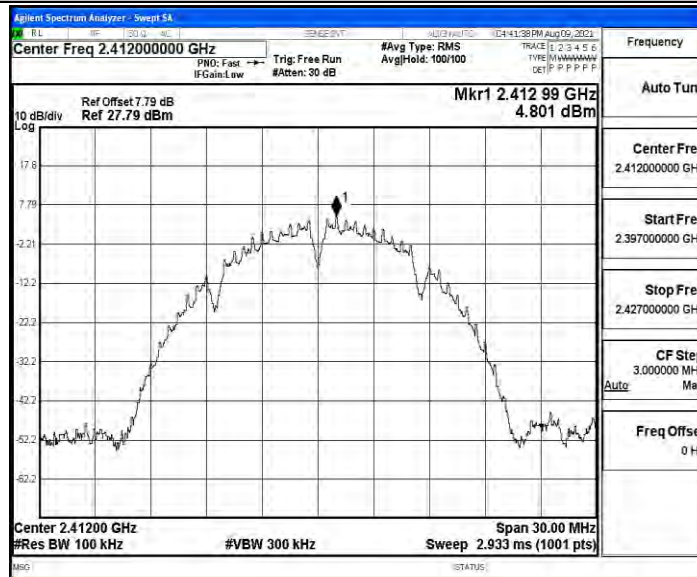
### Test Result

| TestMode  | Antenna | Channel | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| 11B       | Ant1    | 2412    | Reference          | 4.80              | 4.80            | ---            | PASS    |
|           |         |         | 30~1000            | 4.80              | -60.38          | $\leq -15.2$   | PASS    |
|           |         |         | 1000~26500         | 4.80              | -46.84          | $\leq -15.2$   | PASS    |
|           |         | 2437    | Reference          | 4.01              | 4.01            | ---            | PASS    |
|           |         |         | 30~1000            | 4.01              | -59.66          | $\leq -15.99$  | PASS    |
|           |         |         | 1000~26500         | 4.01              | -47.24          | $\leq -15.99$  | PASS    |
|           |         | 2462    | Reference          | 3.89              | 3.89            | ---            | PASS    |
|           |         |         | 30~1000            | 3.89              | -60.44          | $\leq -16.11$  | PASS    |
|           |         |         | 1000~26500         | 3.89              | -46.65          | $\leq -16.11$  | PASS    |
| 11G       | Ant1    | 2412    | Reference          | -2.53             | -2.53           | ---            | PASS    |
|           |         |         | 30~1000            | -2.53             | -62.29          | $\leq -22.53$  | PASS    |
|           |         |         | 1000~26500         | -2.53             | -46.84          | $\leq -22.53$  | PASS    |
|           |         | 2437    | Reference          | -3.38             | -3.38           | ---            | PASS    |
|           |         |         | 30~1000            | -3.38             | -57.93          | $\leq -23.38$  | PASS    |
|           |         |         | 1000~26500         | -3.38             | -47.5           | $\leq -23.38$  | PASS    |
|           |         | 2462    | Reference          | -3.18             | -3.18           | ---            | PASS    |
|           |         |         | 30~1000            | -3.18             | -60.5           | $\leq -23.18$  | PASS    |
|           |         |         | 1000~26500         | -3.18             | -47.8           | $\leq -23.18$  | PASS    |
| 11N20SISO | Ant1    | 2412    | Reference          | -2.56             | -2.56           | ---            | PASS    |
|           |         |         | 30~1000            | -2.56             | -58.68          | $\leq -22.56$  | PASS    |
|           |         |         | 1000~26500         | -2.56             | -47.51          | $\leq -22.56$  | PASS    |
|           |         | 2437    | Reference          | -4.23             | -4.23           | ---            | PASS    |
|           |         |         | 30~1000            | -4.23             | -61.11          | $\leq -24.23$  | PASS    |
|           |         |         | 1000~26500         | -4.23             | -47.13          | $\leq -24.23$  | PASS    |
|           |         | 2462    | Reference          | -3.45             | -3.45           | ---            | PASS    |
|           |         |         | 30~1000            | -3.45             | -60.96          | $\leq -23.45$  | PASS    |
|           |         |         | 1000~26500         | -3.45             | -47.6           | $\leq -23.45$  | PASS    |
| 11N40SISO | Ant1    | 2422    | Reference          | -4.90             | -4.90           | ---            | PASS    |
|           |         |         | 30~1000            | -4.90             | -59.23          | $\leq -24.9$   | PASS    |
|           |         |         | 1000~26500         | -4.90             | -46.29          | $\leq -24.9$   | PASS    |
|           |         | 2437    | Reference          | -6.10             | -6.10           | ---            | PASS    |
|           |         |         | 30~1000            | -6.10             | -61.02          | $\leq -26.1$   | PASS    |
|           |         |         | 1000~26500         | -6.10             | -46.44          | $\leq -26.1$   | PASS    |
|           |         | 2452    | Reference          | -4.76             | -4.76           | ---            | PASS    |
|           |         |         | 30~1000            | -4.76             | -59.75          | $\leq -24.76$  | PASS    |
|           |         |         | 1000~26500         | -4.76             | -47             | $\leq -24.76$  | PASS    |

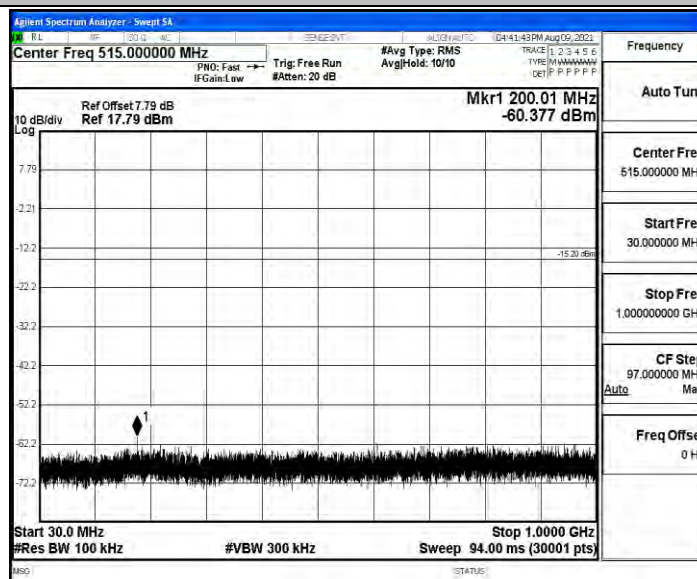


## Test Graphs

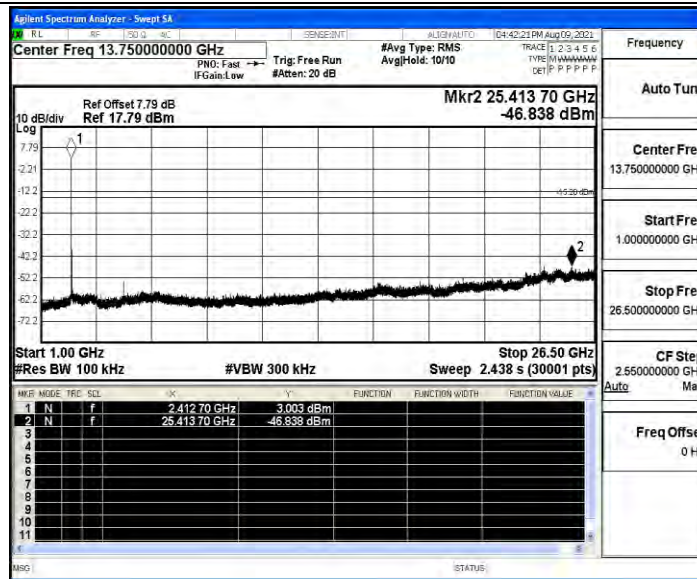
11B\_Ant1\_2412\_0~Reference



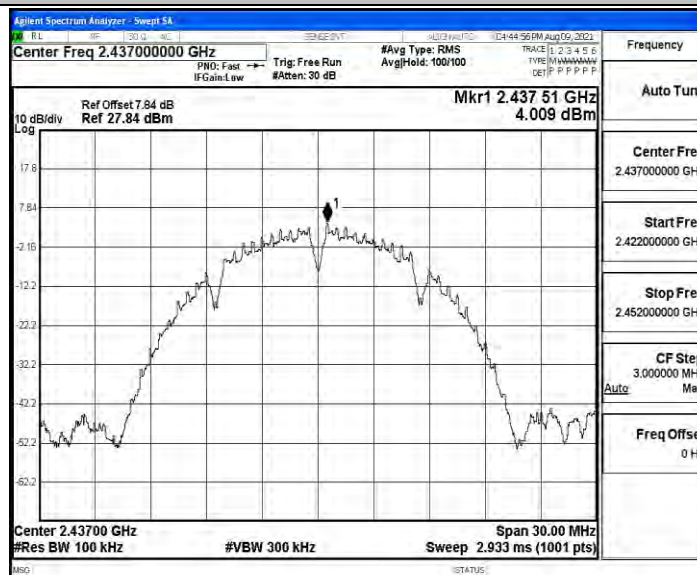
11B\_Ant1\_2412\_30~1000



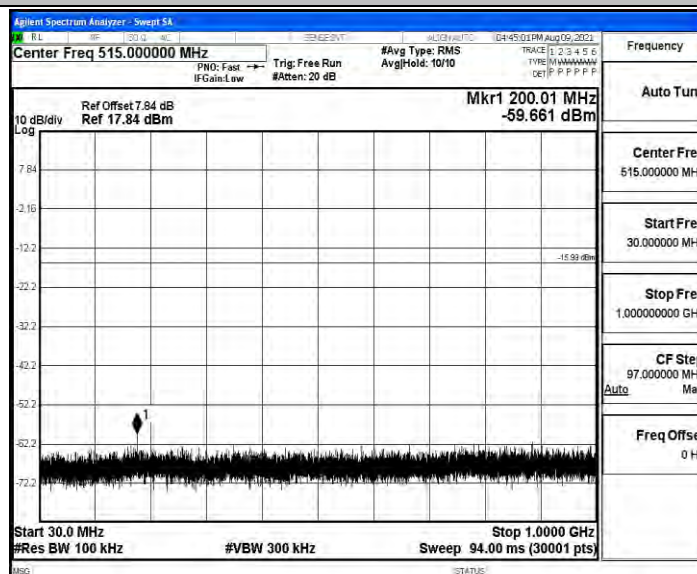
11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference

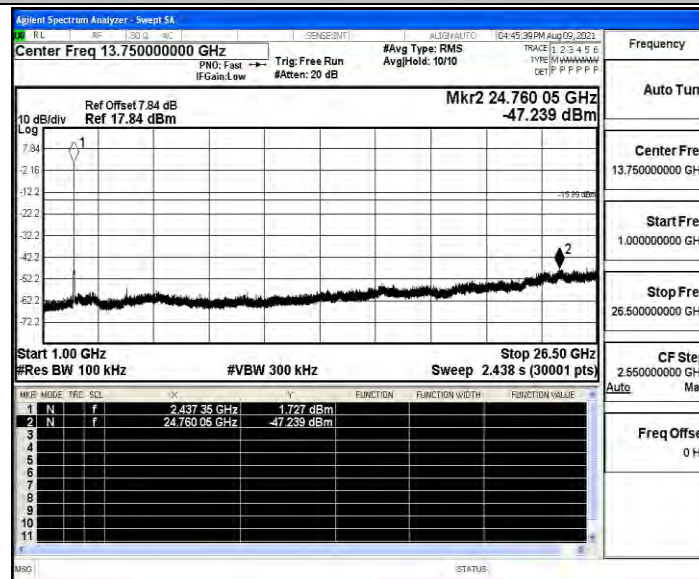


11B\_Ant1\_2437\_30~1000

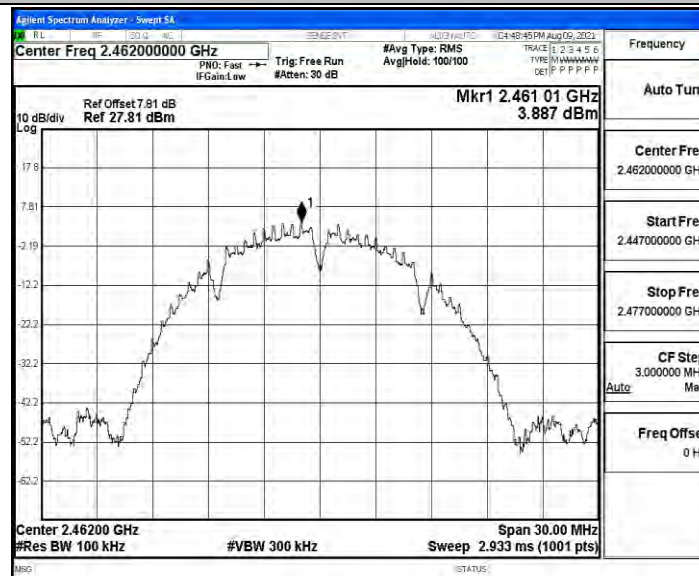




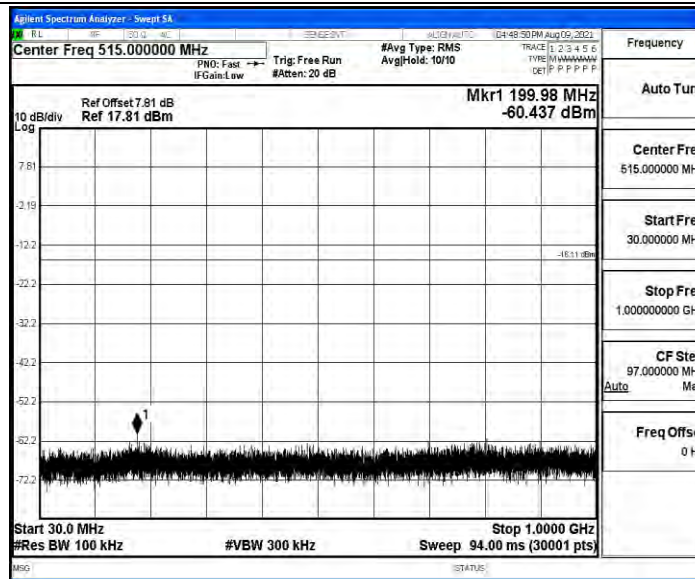
## 11B\_Ant1\_2437\_1000~26500



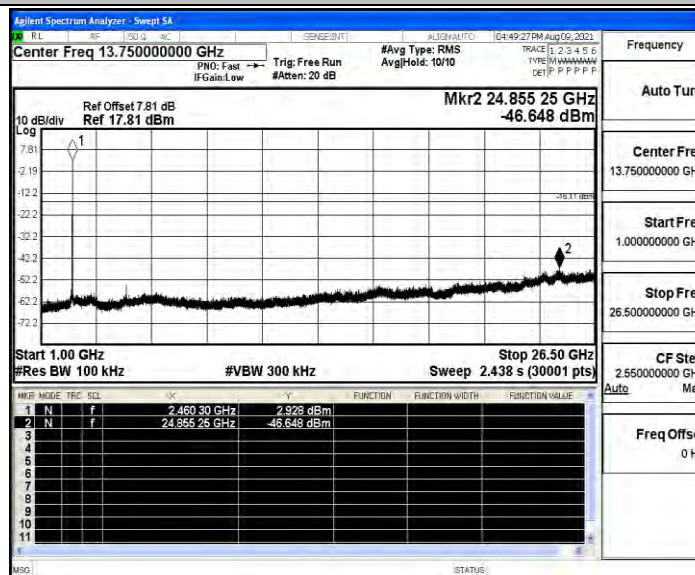
## 11B\_Ant1\_2462\_0~Reference



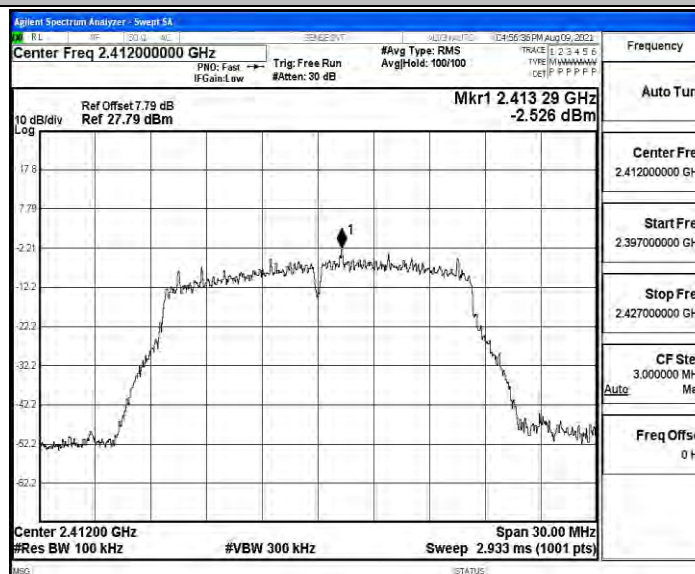
## 11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500

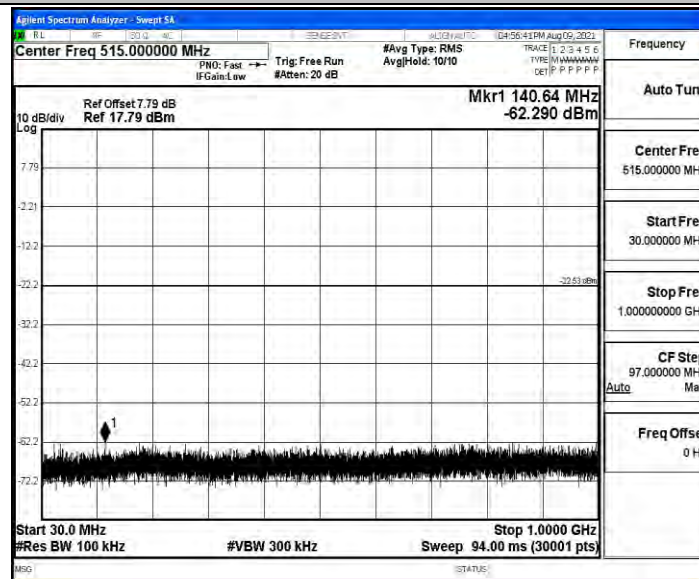


11G\_Ant1\_2412\_0~Reference

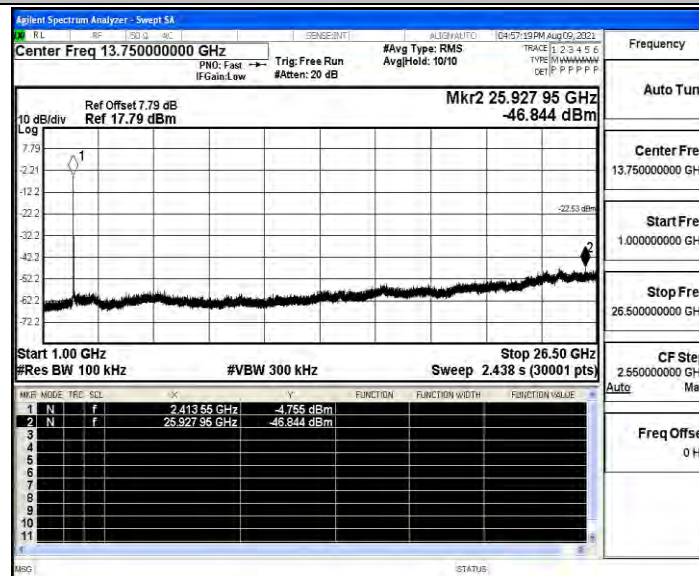




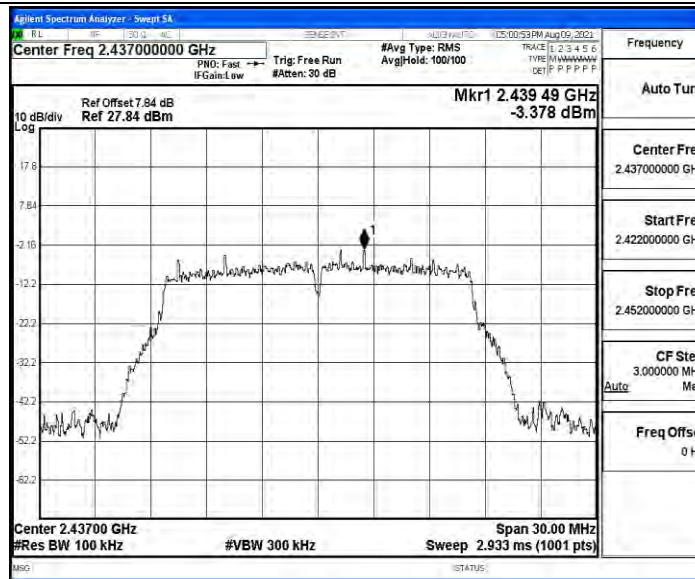
## 11G\_Ant1\_2412\_30~1000



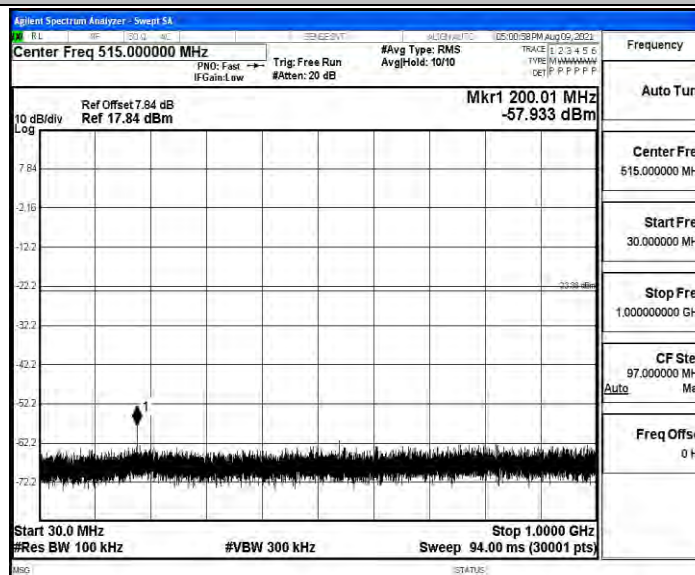
## 11G\_Ant1\_2412\_1000~26500



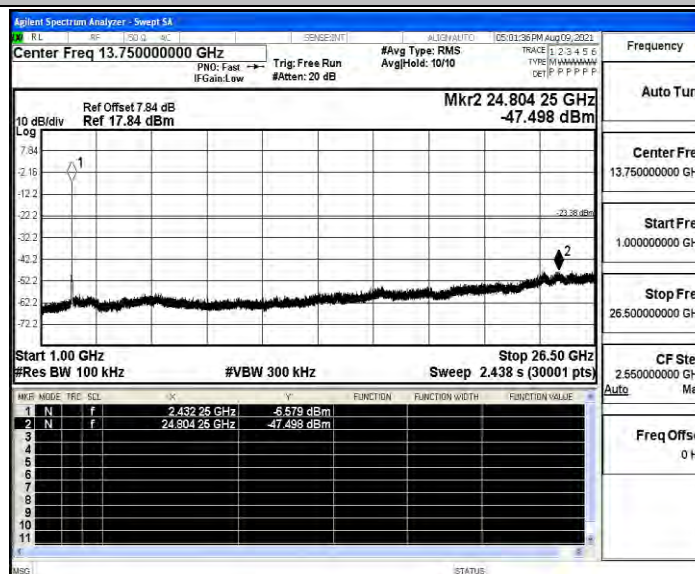
## 11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000

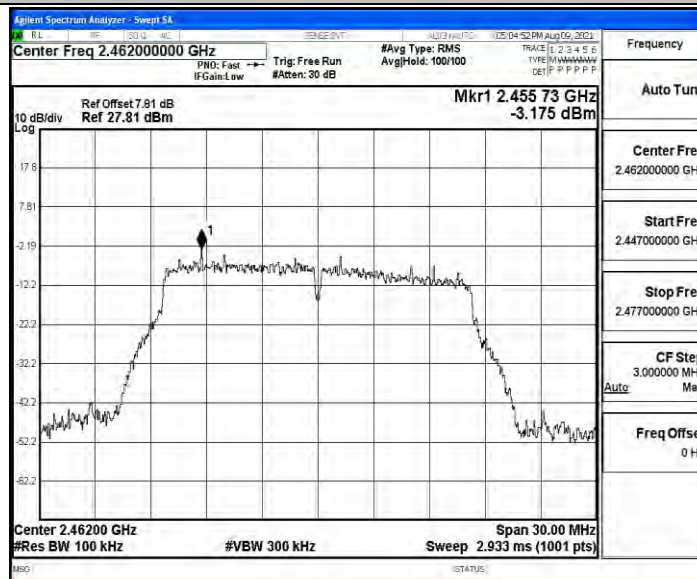


11G\_Ant1\_2437\_1000~26500

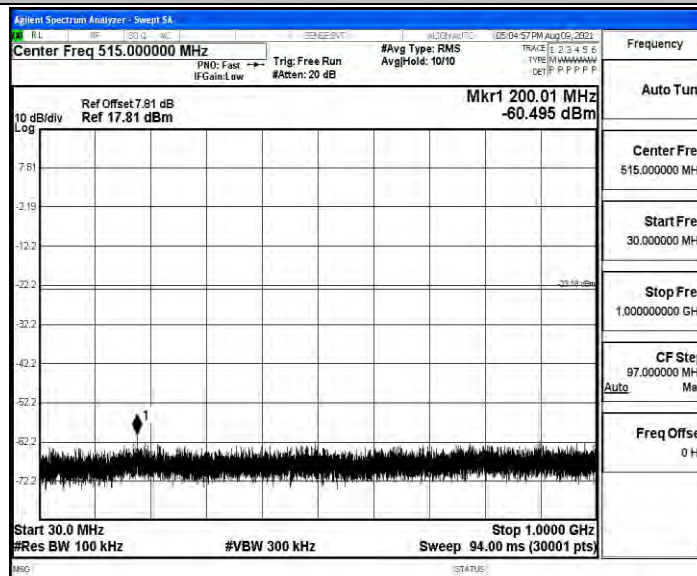




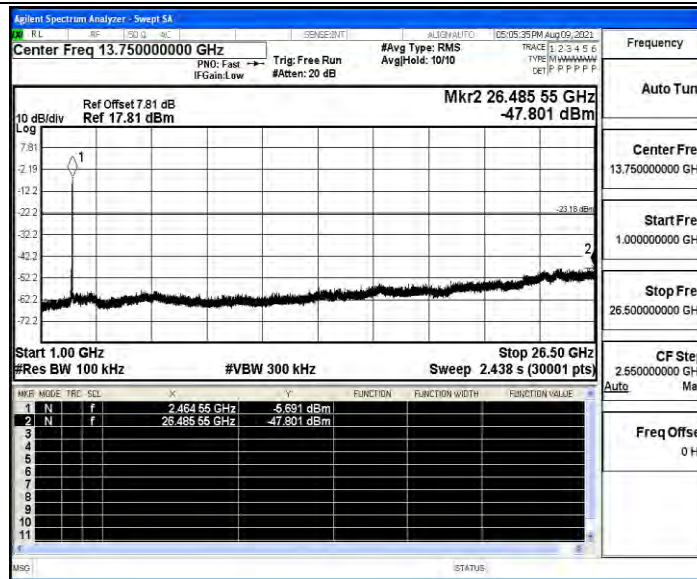
## 11G\_Ant1\_2462\_0~Reference



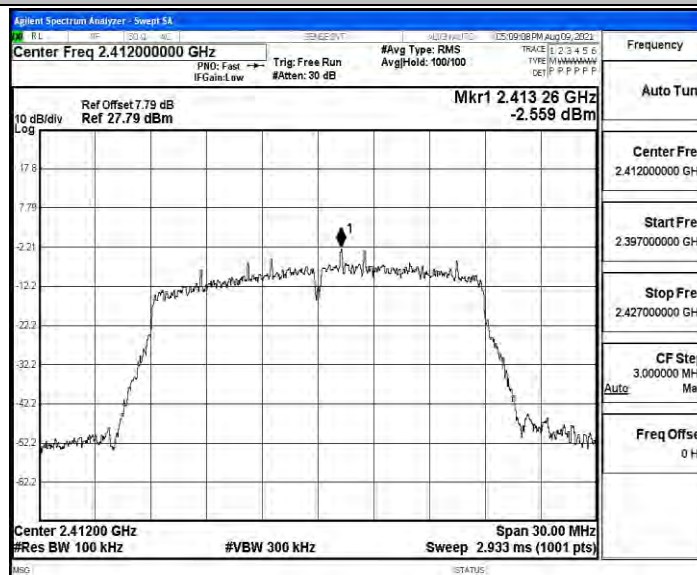
## 11G\_Ant1\_2462\_30~1000



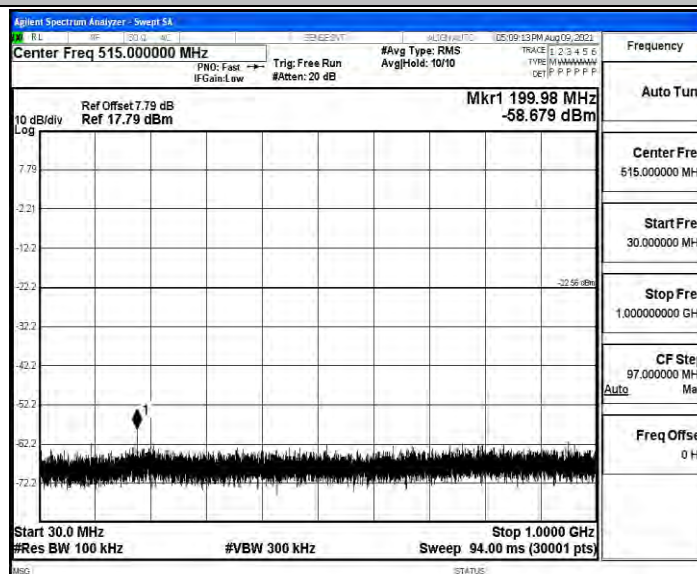
## 11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference

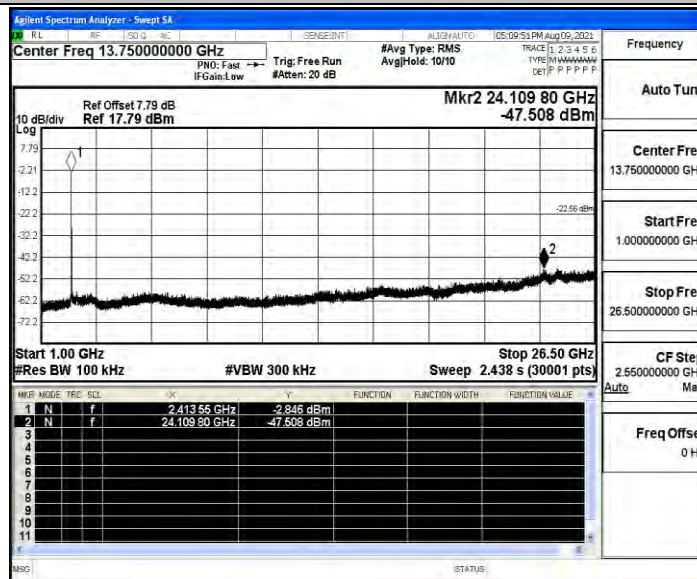


11N20SISO\_Ant1\_2412\_30~1000

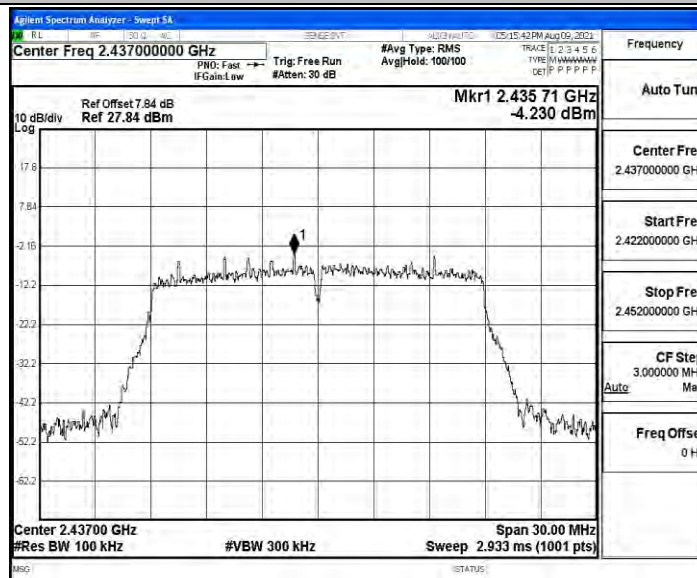




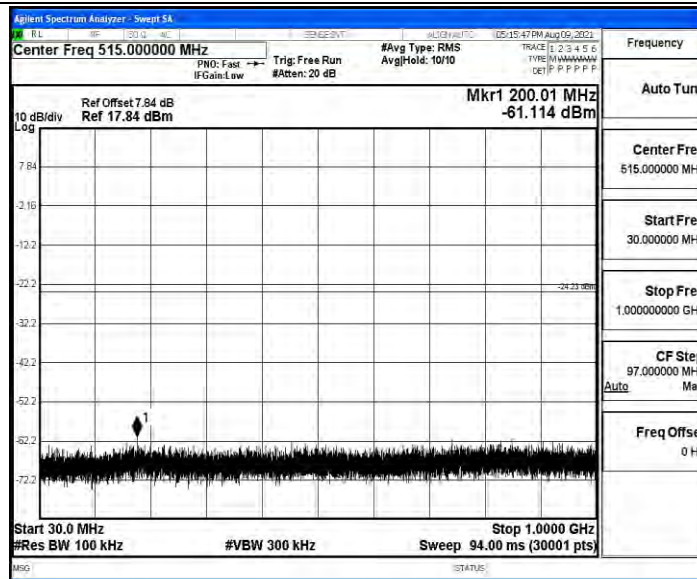
## 11N20SISO\_Ant1\_2412\_1000~26500



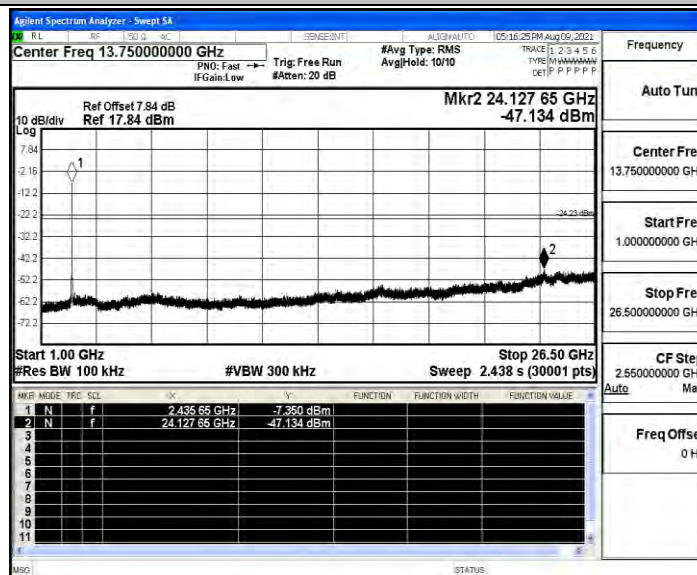
## 11N20SISO\_Ant1\_2437\_0~Reference



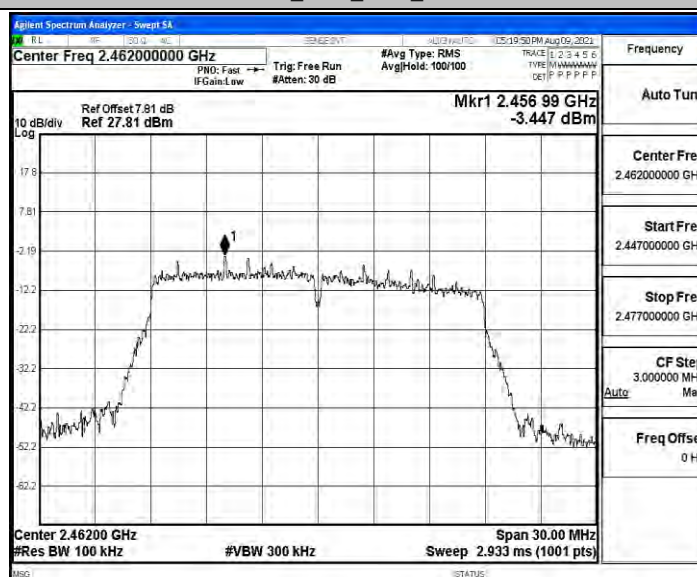
## 11N20SISO\_Ant1\_2437\_30~1000



11N20SISO\_Ant1\_2437\_1000~26500

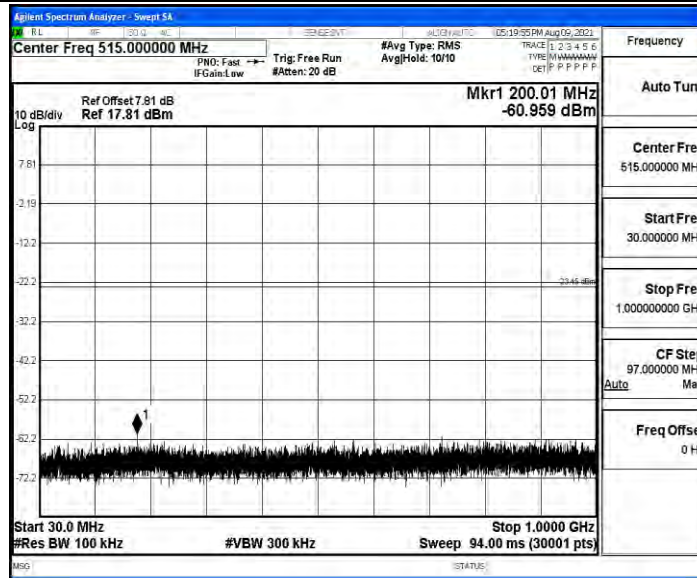


11N20SISO\_Ant1\_2462\_0~Reference

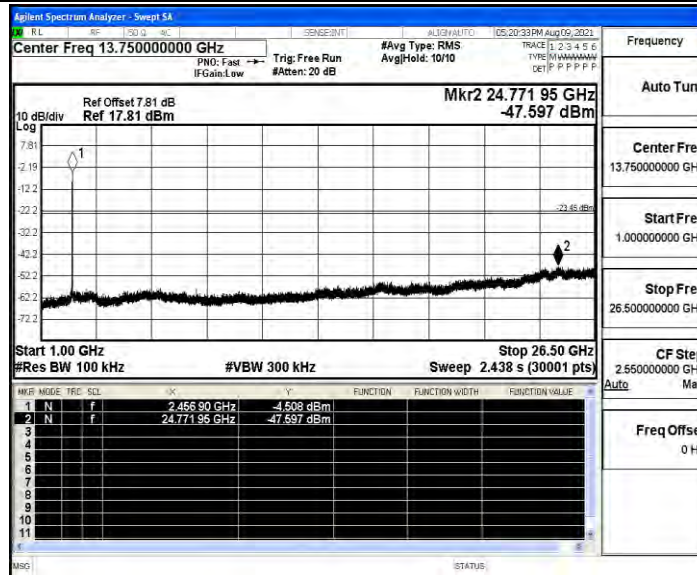




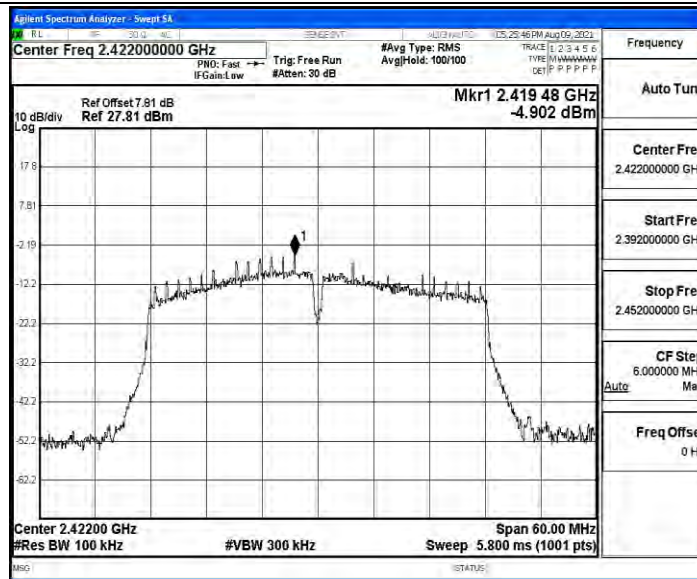
## 11N20SISO\_Ant1\_2462\_30~1000



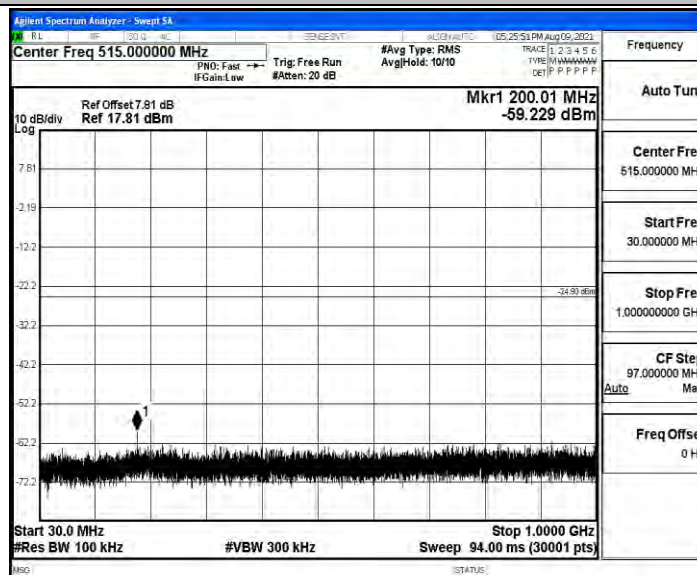
## 11N20SISO\_Ant1\_2462\_1000~26500



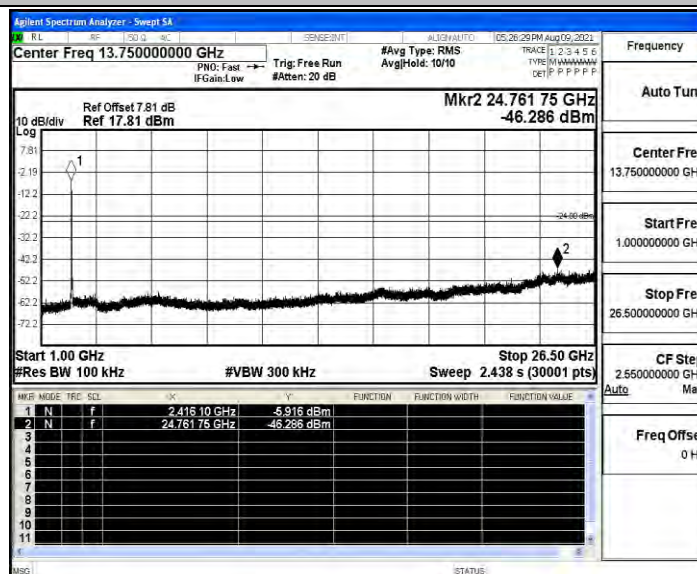
## 11N40SISO\_Ant1\_2422\_0~Reference



11N40SISO\_Ant1\_2422\_30~1000

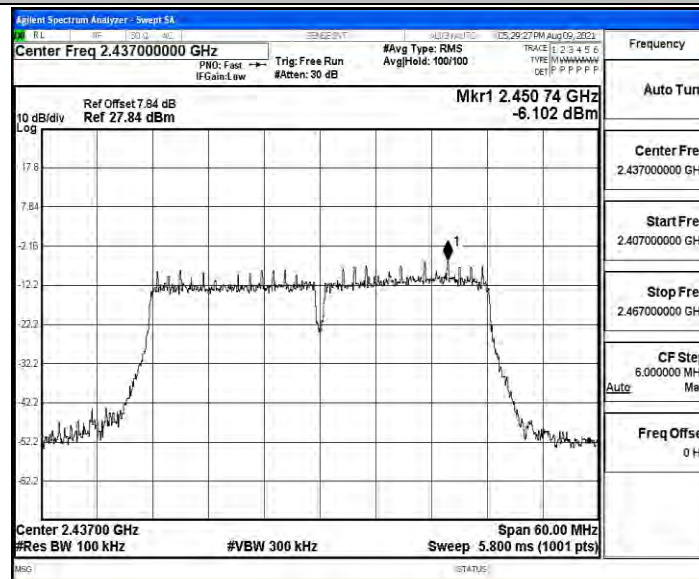


11N40SISO\_Ant1\_2422\_1000~26500

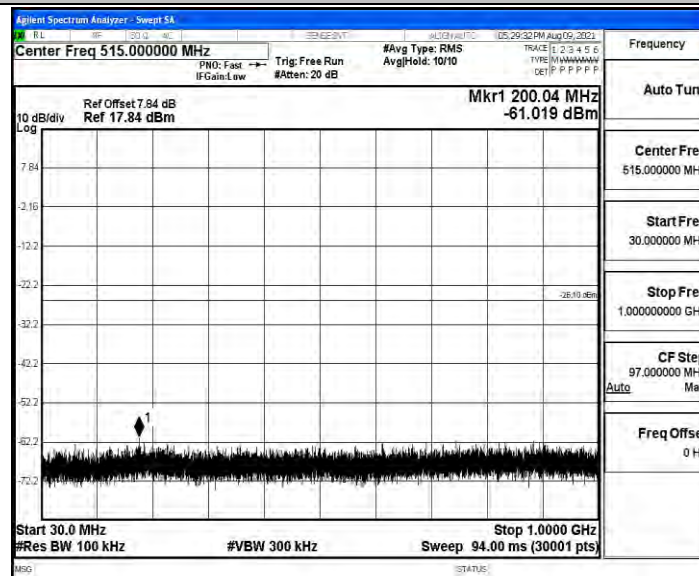




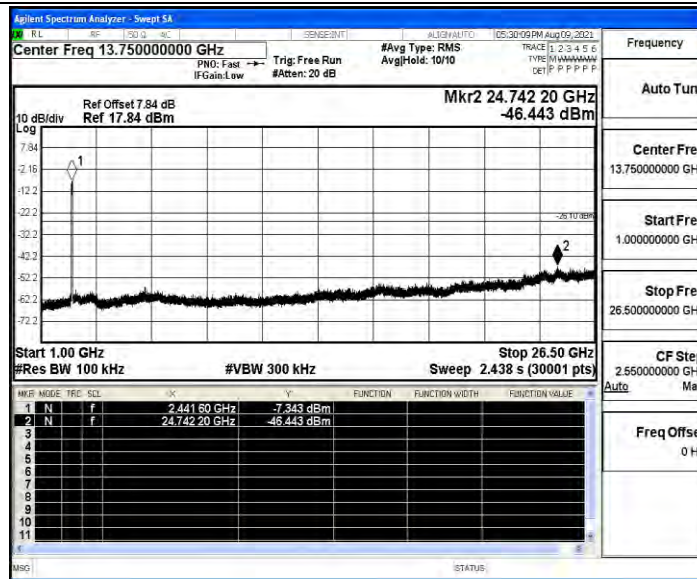
## 11N40SISO\_Ant1\_2437\_0~Reference



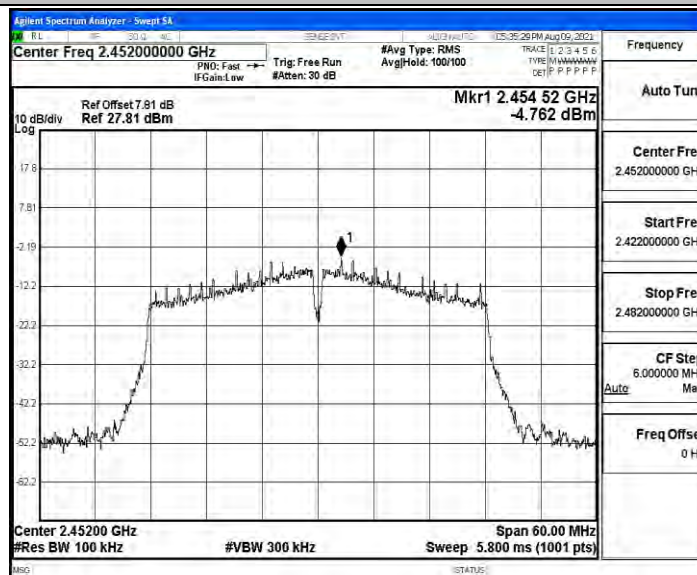
## 11N40SISO\_Ant1\_2437\_30~1000



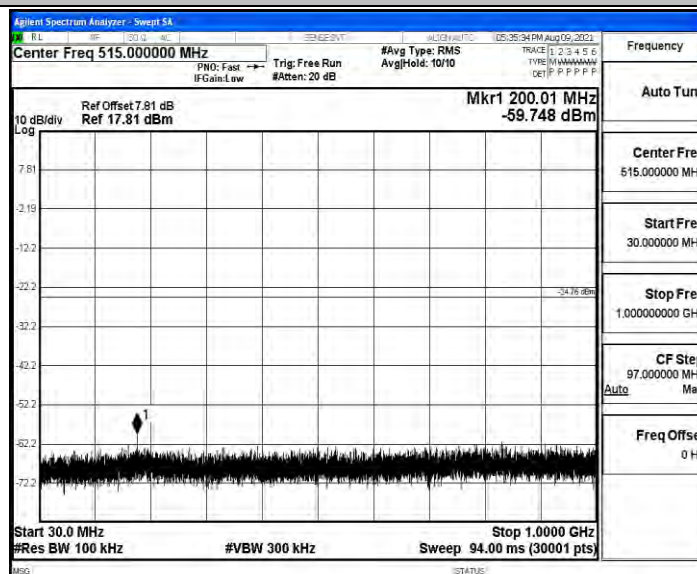
## 11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference

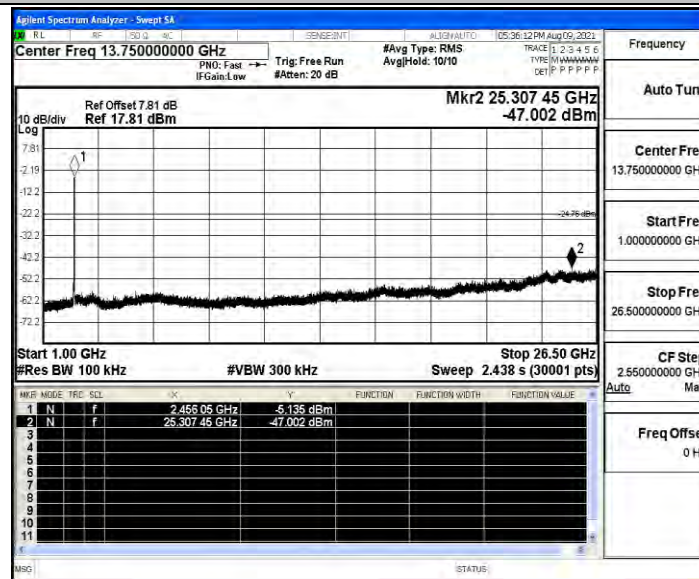


11N40SISO\_Ant1\_2452\_30~1000





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





## Appendix C.6: Duty Cycle

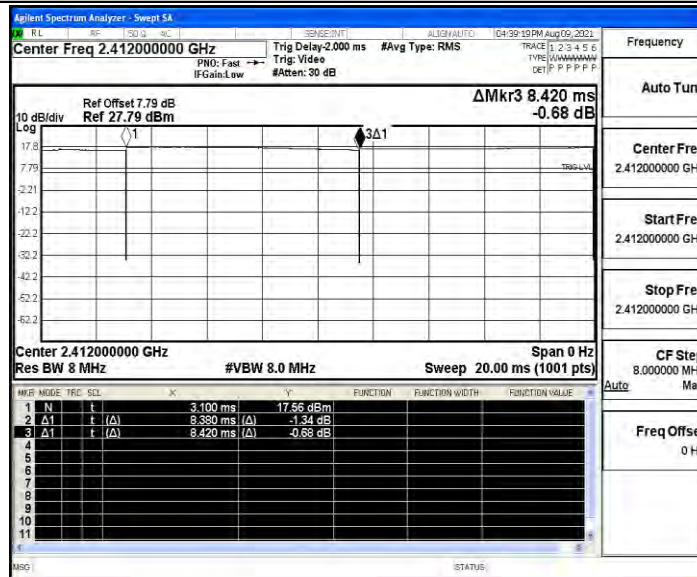
### Test Result

| TestMode  | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| 11B       | Ant1    | 2412    | 8.38                       | 8.42                     | 99.52          | ---   | PASS    |
|           |         | 2437    | 30.00                      | 30.00                    | 100.00         | ---   | PASS    |
|           |         | 2462    | 8.38                       | 8.42                     | 99.52          | ---   | PASS    |
| 11G       | Ant1    | 2412    | 1.39                       | 1.44                     | 96.53          | ---   | PASS    |
|           |         | 2437    | 1.39                       | 1.44                     | 96.53          | ---   | PASS    |
|           |         | 2462    | 1.39                       | 1.44                     | 96.53          | ---   | PASS    |
| 11N20SISO | Ant1    | 2412    | 1.30                       | 1.35                     | 96.30          | ---   | PASS    |
|           |         | 2437    | 1.30                       | 1.35                     | 96.30          | ---   | PASS    |
|           |         | 2462    | 1.30                       | 1.35                     | 96.30          | ---   | PASS    |
| 11N40SISO | Ant1    | 2422    | 0.64                       | 0.69                     | 92.75          | ---   | PASS    |
|           |         | 2437    | 0.64                       | 0.69                     | 92.75          | ---   | PASS    |
|           |         | 2452    | 0.64                       | 0.69                     | 92.75          | ---   | PASS    |

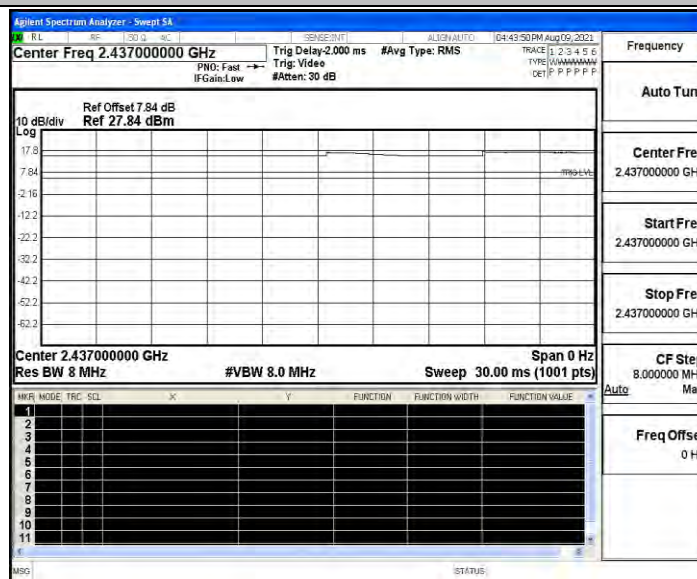


## Test Graphs

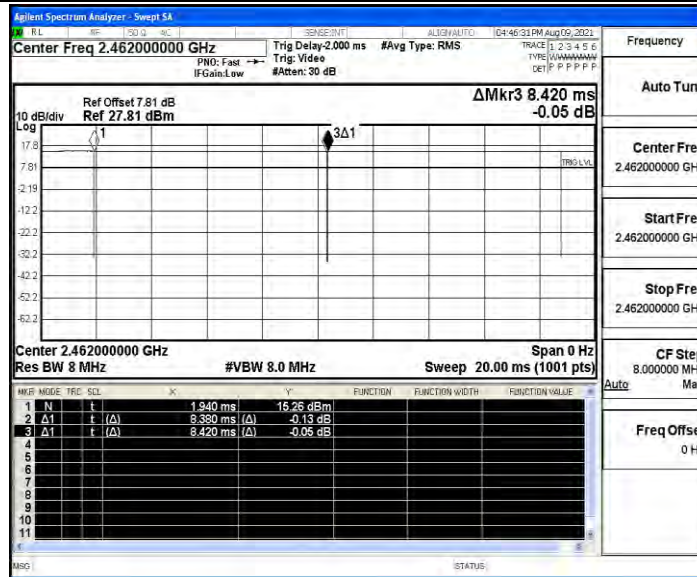
11B\_Ant1\_2412



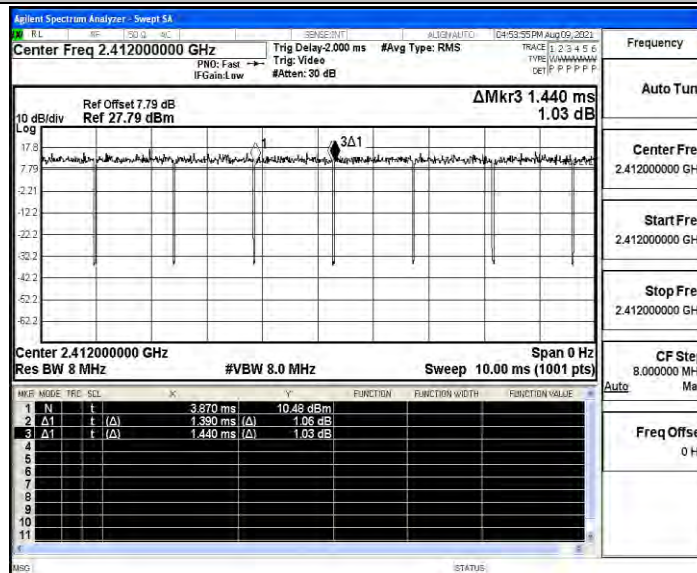
11B\_Ant1\_2437



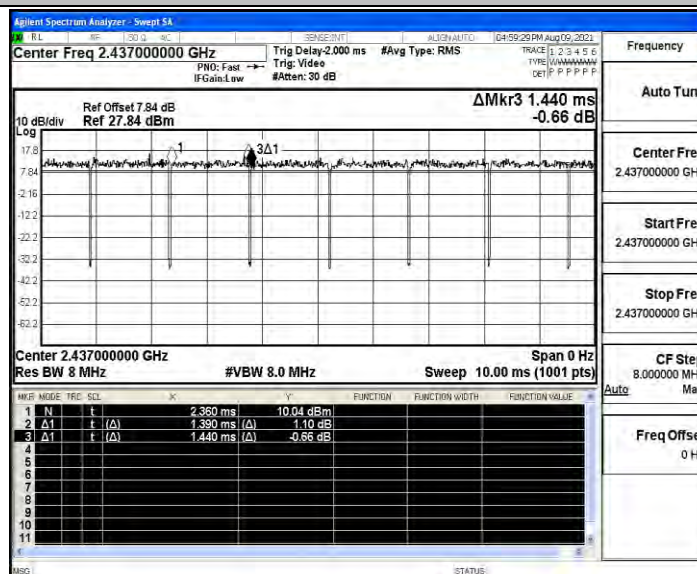
11B\_Ant1\_2462



11G\_Ant1\_2412

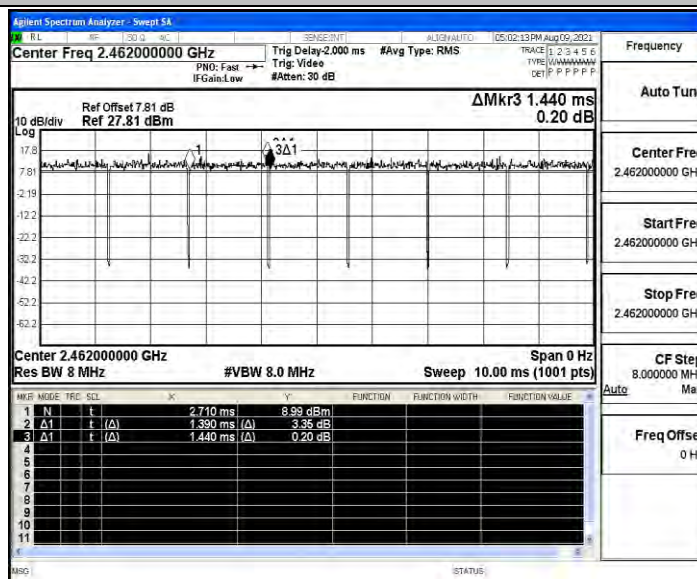


11G\_Ant1\_2437

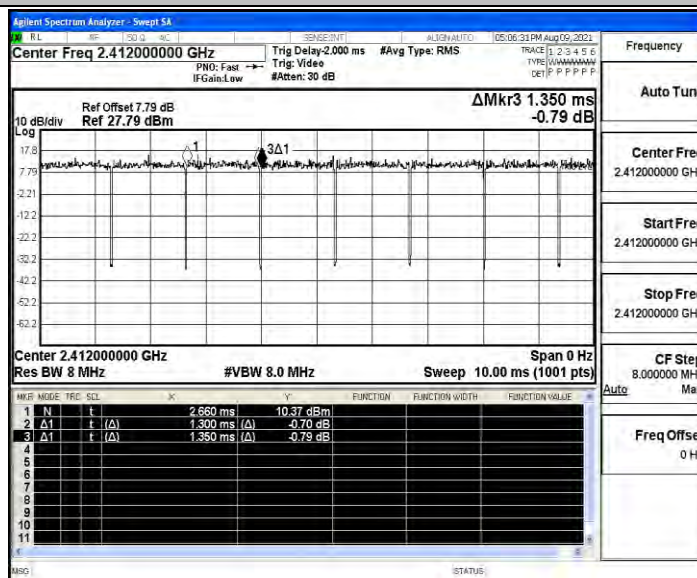




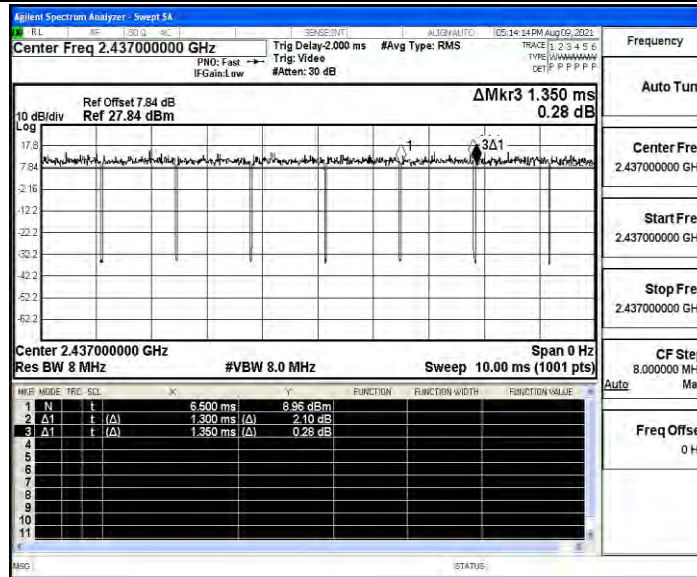
## 11G\_Ant1\_2462



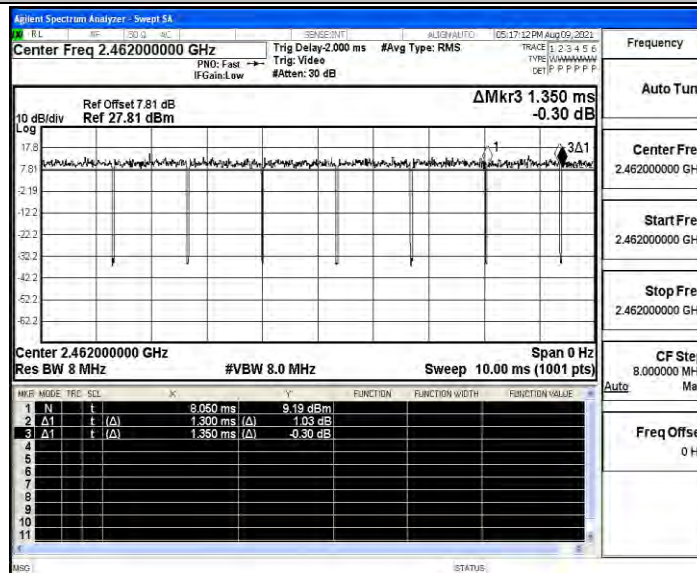
## 11N20SISO\_Ant1\_2412



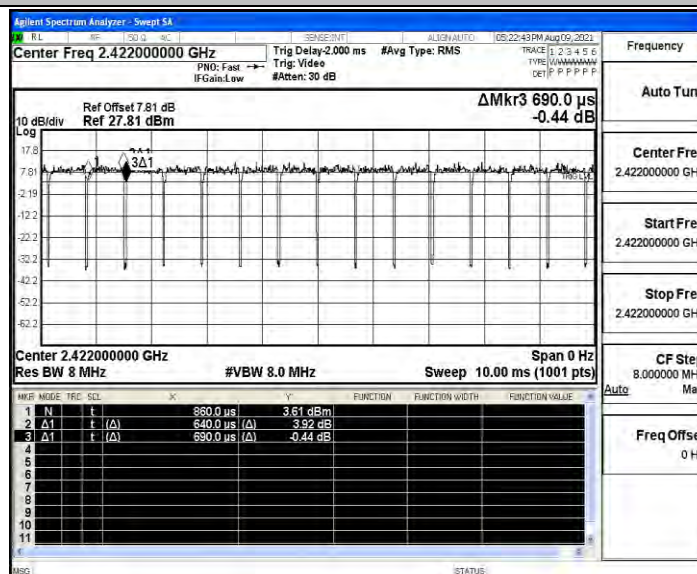
## 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

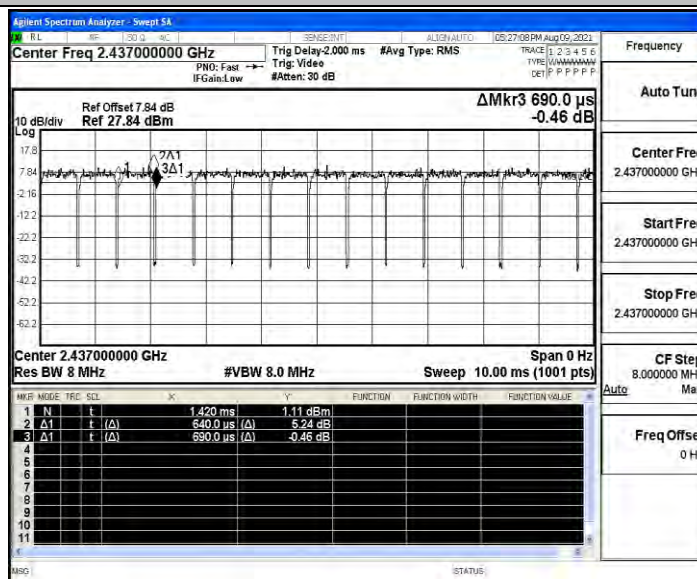


11N40SISO\_Ant1\_2422

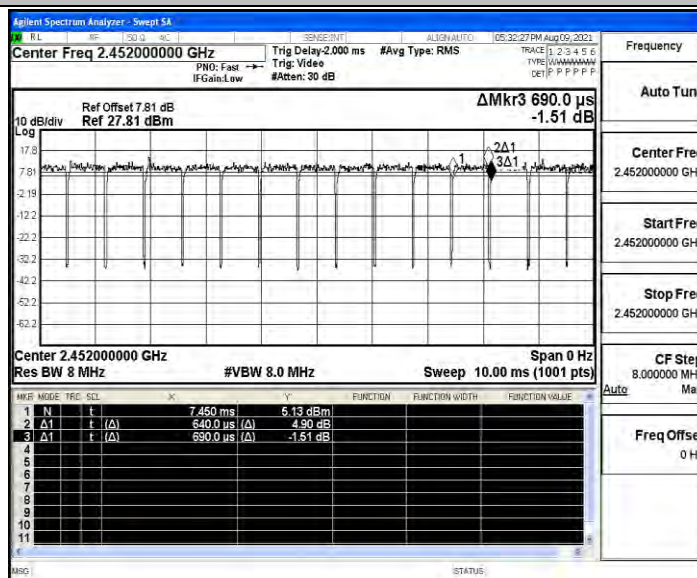




## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452





## Appendix C.7: Emissions in Restricted Bands

### Test Result

| TestMode      | Antenna | ChannelName | Channel | Detector | Freq. [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|---------------|---------|-------------|---------|----------|-------------|--------------|-------------|-----------------|----------------|---------|
| 11B           | Ant1    | Low         | 2412    | AV       | 2310.000    | -49.29       | ≤-41.20     | 45.91           | ≤54            | PASS    |
|               |         |             |         | AV       | 2388.270    | -48.51       | ≤-41.20     | 46.69           | ≤54            | PASS    |
|               |         |             |         | AV       | 2390.000    | -48.6        | ≤-41.20     | 46.60           | ≤54            | PASS    |
|               |         |             |         | Peak     | 2310.000    | -44.84       | ≤-21.20     | 50.36           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2331.980    | -39.77       | ≤-21.20     | 55.43           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2390.000    | -45.56       | ≤-21.20     | 49.64           | ≤74            | PASS    |
|               |         | High        | 2462    | AV       | 2483.500    | -48.19       | ≤-41.20     | 47.01           | ≤54            | PASS    |
|               |         |             |         | AV       | 2487.190    | -48.08       | ≤-41.20     | 47.12           | ≤54            | PASS    |
|               |         |             |         | AV       | 2500.000    | -48.14       | ≤-41.20     | 47.06           | ≤54            | PASS    |
|               |         |             |         | Peak     | 2483.500    | -43.95       | ≤-21.20     | 51.25           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2487.410    | -39.75       | ≤-21.20     | 55.45           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2500.000    | -42.73       | ≤-21.20     | 52.47           | ≤74            | PASS    |
| 11G           | Ant1    | Low         | 2412    | AV       | 2310.000    | -48.82       | ≤-41.20     | 46.38           | ≤54            | PASS    |
|               |         |             |         | AV       | 2389.700    | -47.93       | ≤-41.20     | 47.27           | ≤54            | PASS    |
|               |         |             |         | AV       | 2390.000    | -48.11       | ≤-41.20     | 47.09           | ≤54            | PASS    |
|               |         |             |         | Peak     | 2310.000    | -41.93       | ≤-21.20     | 53.27           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2314.430    | -38.74       | ≤-21.20     | 56.46           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2390.000    | -42.75       | ≤-21.20     | 52.45           | ≤74            | PASS    |
|               |         | High        | 2462    | AV       | 2483.500    | -47.78       | ≤-41.20     | 47.42           | ≤54            | PASS    |
|               |         |             |         | AV       | 2489.940    | -47.57       | ≤-41.20     | 47.63           | ≤54            | PASS    |
|               |         |             |         | AV       | 2500.000    | -47.83       | ≤-41.20     | 47.37           | ≤54            | PASS    |
|               |         |             |         | Peak     | 2483.500    | -40.77       | ≤-21.20     | 54.43           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2489.060    | -37.64       | ≤-21.20     | 57.56           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2500.000    | -40.12       | ≤-21.20     | 55.08           | ≤74            | PASS    |
| 11N20SI<br>SO | Ant1    | Low         | 2412    | AV       | 2310.000    | -48.76       | ≤-41.20     | 46.44           | ≤54            | PASS    |
|               |         |             |         | AV       | 2388.920    | -48.12       | ≤-41.20     | 47.08           | ≤54            | PASS    |
|               |         |             |         | AV       | 2390.000    | -48.24       | ≤-41.20     | 46.96           | ≤54            | PASS    |
|               |         |             |         | Peak     | 2310.000    | -42.55       | ≤-21.20     | 52.65           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2332.500    | -39.04       | ≤-21.20     | 56.16           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2390.000    | -40.22       | ≤-21.20     | 54.98           | ≤74            | PASS    |
|               |         | High        | 2462    | AV       | 2483.500    | -47.83       | ≤-41.20     | 47.37           | ≤54            | PASS    |
|               |         |             |         | AV       | 2484.330    | -47.56       | ≤-41.20     | 47.64           | ≤54            | PASS    |
|               |         |             |         | AV       | 2500.000    | -47.89       | ≤-41.20     | 47.31           | ≤54            | PASS    |
|               |         |             |         | Peak     | 2483.500    | -39.01       | ≤-21.20     | 56.19           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2484.330    | -39.06       | ≤-21.20     | 56.14           | ≤74            | PASS    |
|               |         |             |         | Peak     | 2500.000    | -42.32       | ≤-21.20     | 52.88           | ≤74            | PASS    |



|               |      |      |      |      |          |        |               |       |           |      |
|---------------|------|------|------|------|----------|--------|---------------|-------|-----------|------|
| 11N40SI<br>SO | Ant1 | Low  | 2422 | AV   | 2310.000 | -48.61 | $\leq -41.20$ | 46.59 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2389.440 | -47.46 | $\leq -41.20$ | 47.74 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2390.000 | -47.67 | $\leq -41.20$ | 47.53 | $\leq 54$ | PASS |
|               |      |      |      | Peak | 2310.000 | -42.23 | $\leq -21.20$ | 52.97 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2356.680 | -38.58 | $\leq -21.20$ | 56.62 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2390.000 | -40.88 | $\leq -21.20$ | 54.32 | $\leq 74$ | PASS |
|               |      | High | 2452 | AV   | 2483.500 | -47.44 | $\leq -41.20$ | 47.76 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2484.660 | -47.11 | $\leq -41.20$ | 48.09 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2500.000 | -47.53 | $\leq -41.20$ | 47.67 | $\leq 54$ | PASS |
|               |      |      |      | Peak | 2483.500 | -41.8  | $\leq -21.20$ | 53.40 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2483.890 | -38.71 | $\leq -21.20$ | 56.49 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2500.000 | -42.18 | $\leq -21.20$ | 53.02 | $\leq 74$ | PASS |

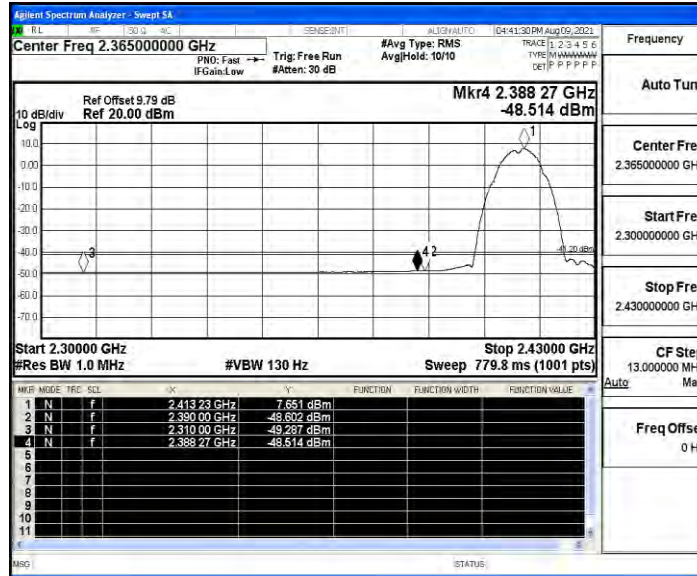
Note:

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.

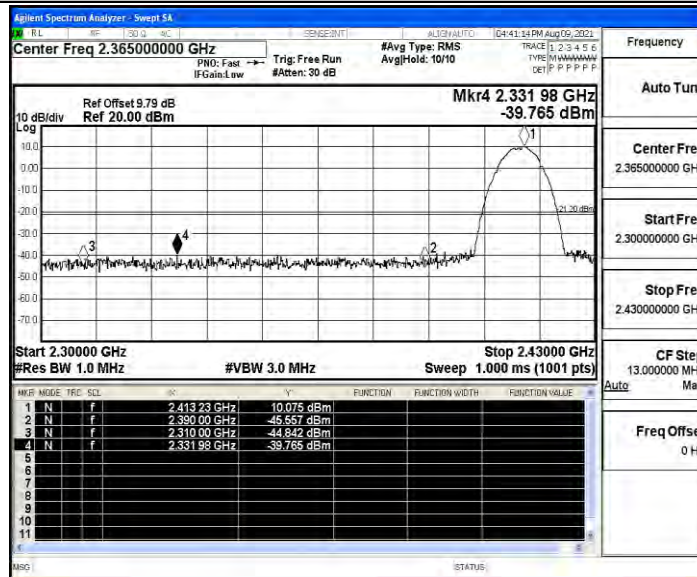


## Test Graphs

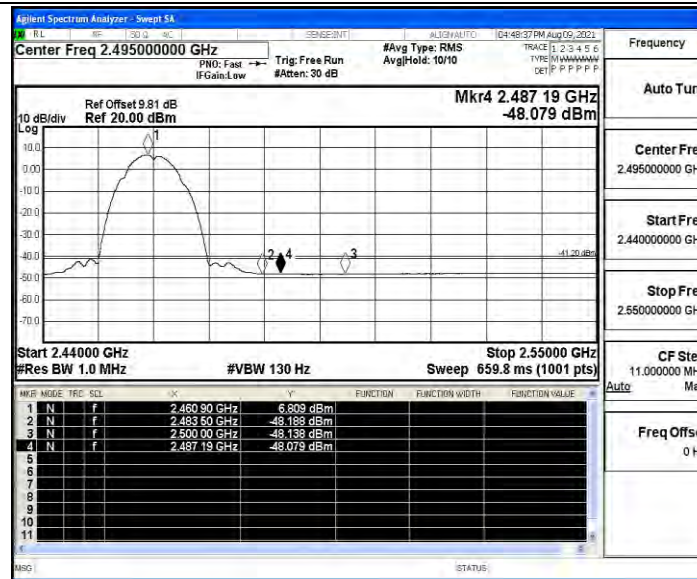
11B\_Ant1\_Low\_2412\_AV



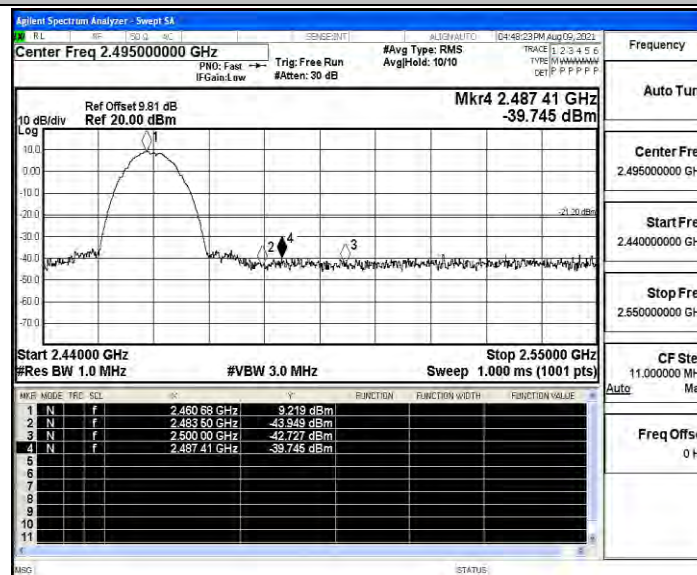
11B\_Ant1\_Low\_2412\_Peak



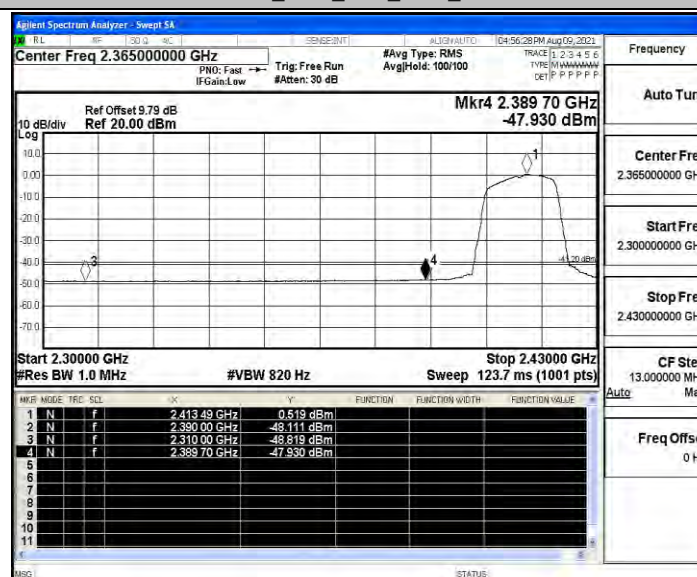
11B\_Ant1\_High\_2462\_AV



11B\_Ant1\_High\_2462\_Peak

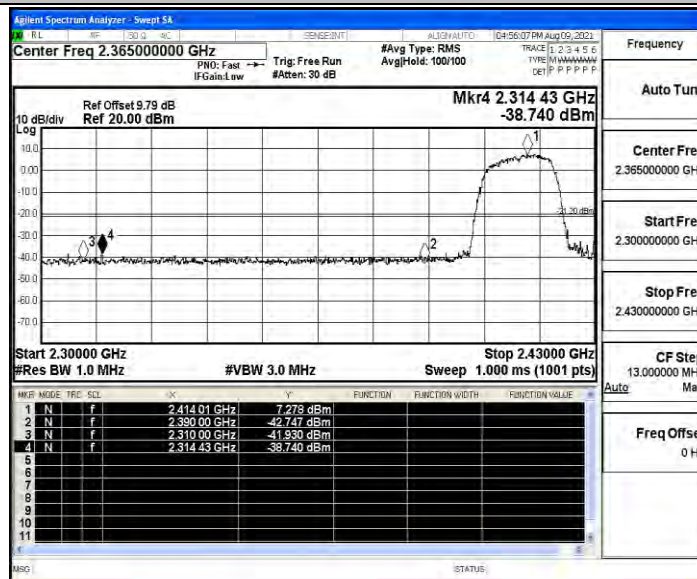


11G\_Ant1\_Low\_2412\_AV

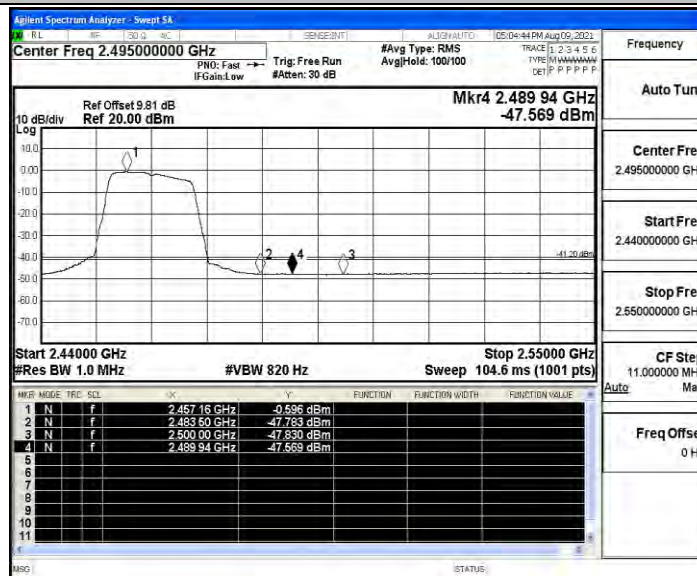




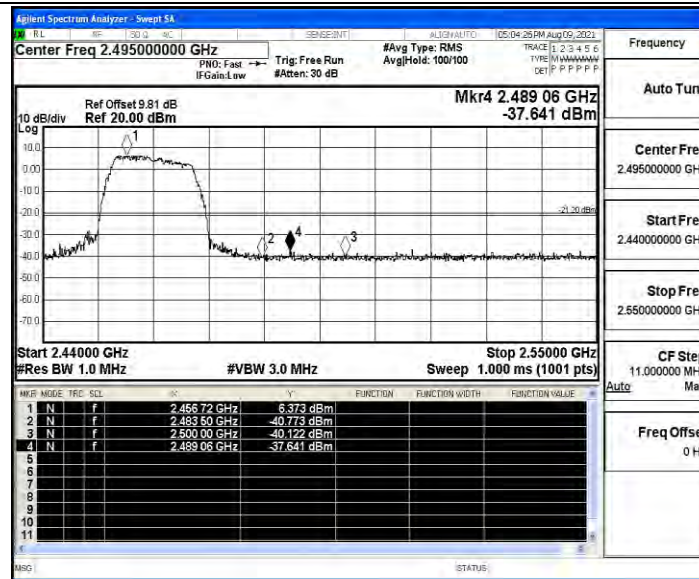
## 11G\_Ant1\_Low\_2412\_Peak



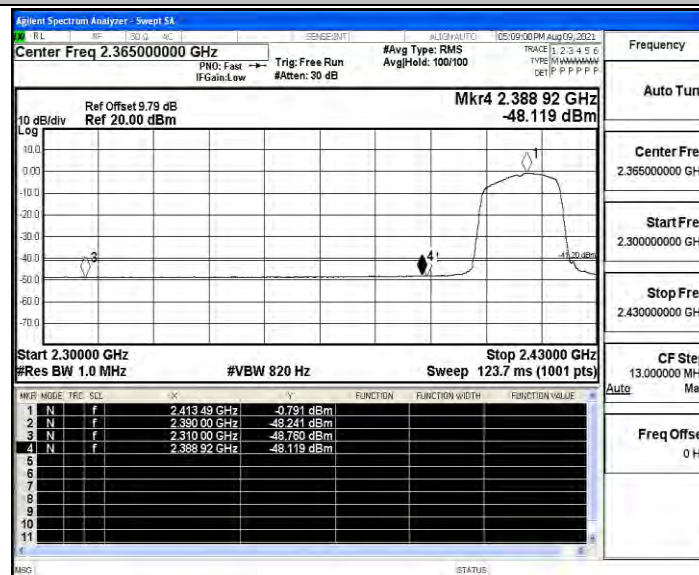
## 11G\_Ant1\_High\_2462\_AV



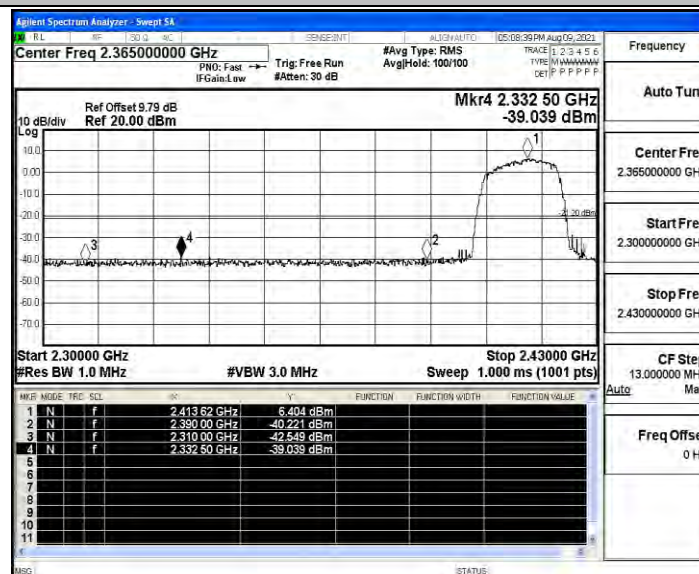
## 11G\_Ant1\_High\_2462\_Peak



11N20SISO\_Ant1\_Low\_2412\_AV

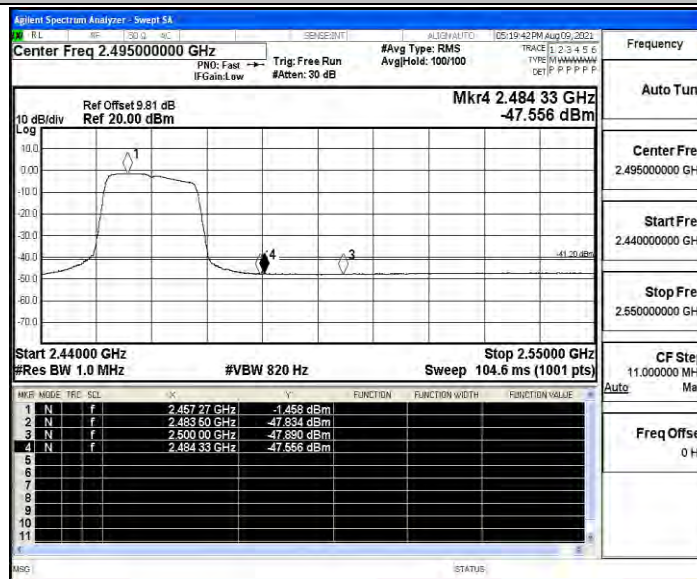


11N20SISO\_Ant1\_Low\_2412\_Peak

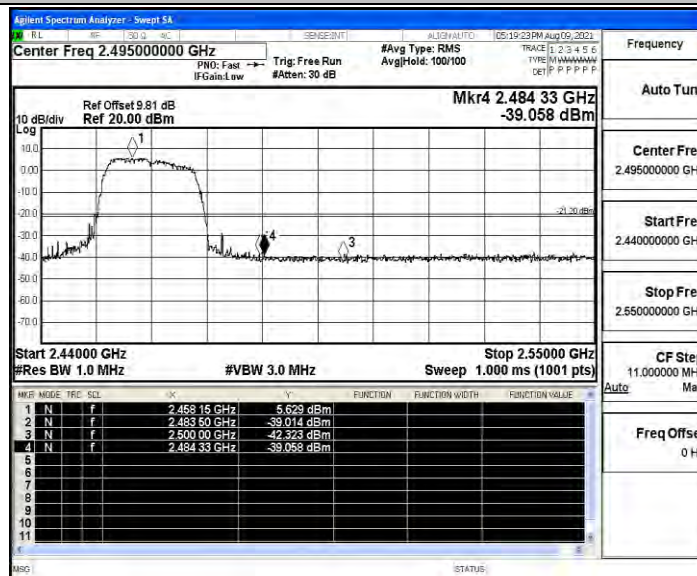




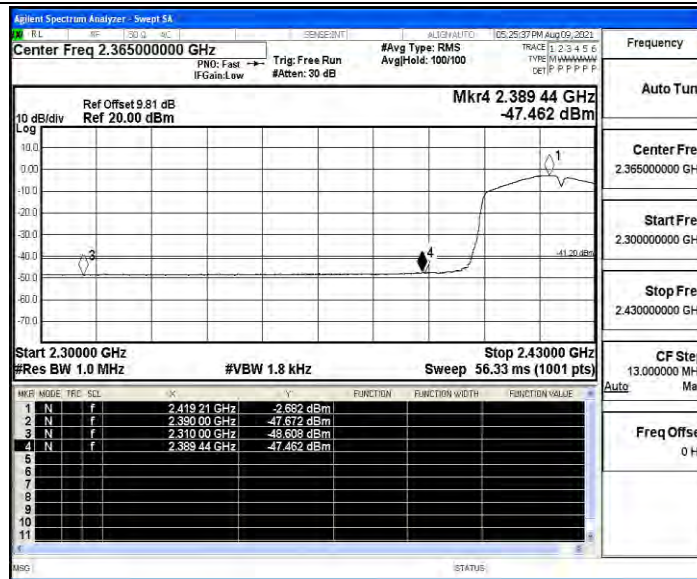
## 11N20SISO\_Ant1\_High\_2462\_AV



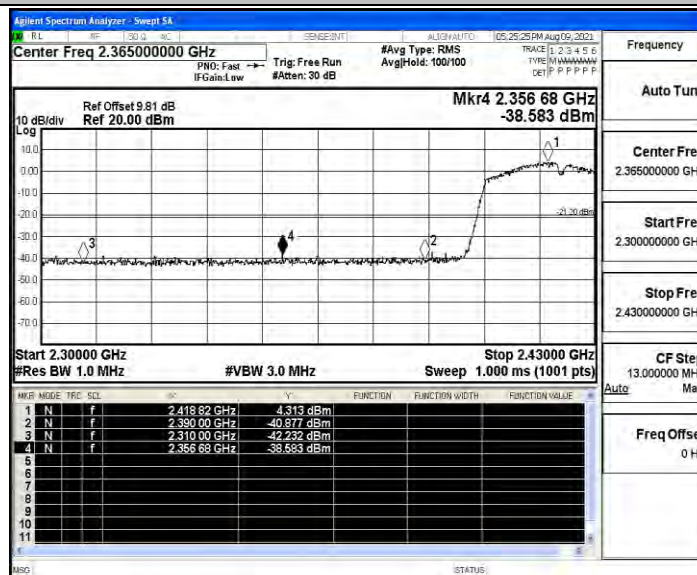
## 11N20SISO\_Ant1\_High\_2462\_Peak



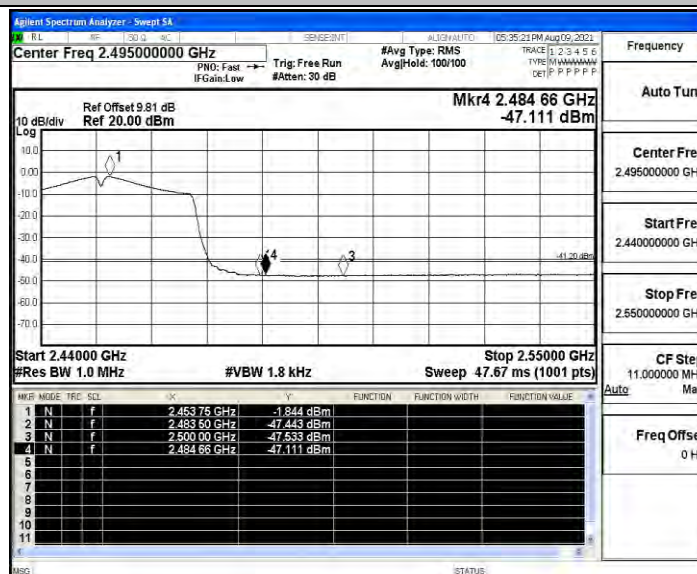
## 11N40SISO\_Ant1\_Low\_2422\_AV



11N40SISO\_Ant1\_Low\_2422\_Peak



11N40SISO\_Ant1\_High\_2452\_AV





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

