

## Appendix B

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

Product Name: WiFi Tablet

Trade Mark: CWOWDEFU

Test Model: F10W

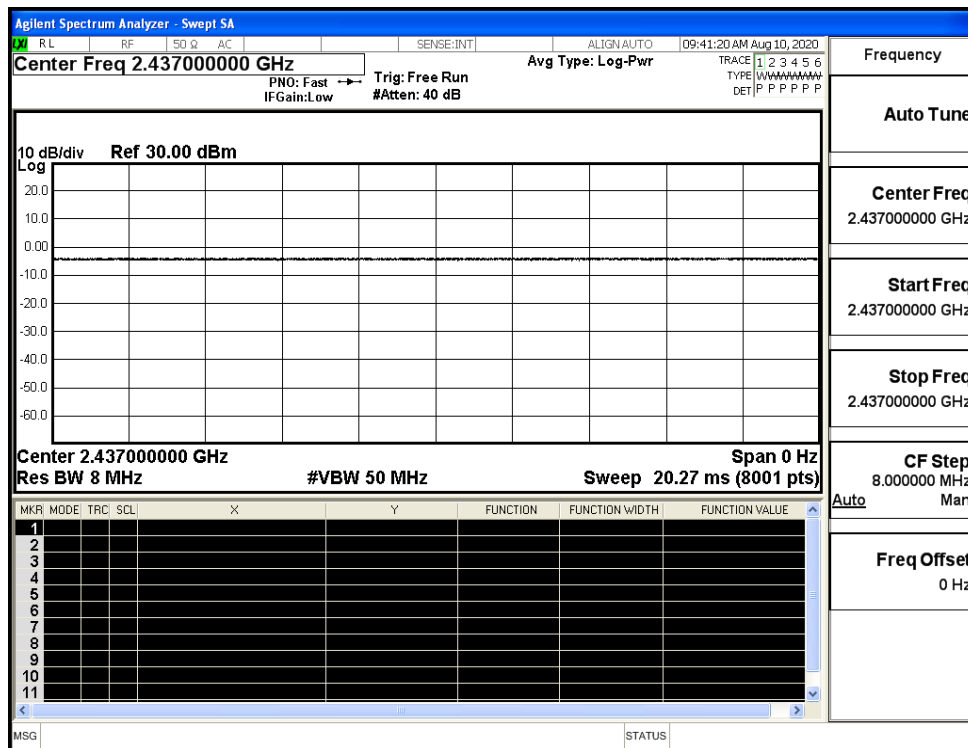
#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 25 ° C    |
| Relative Humidity: | 50%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | CARL FU   |
| Supervised by:     | Li Huan   |

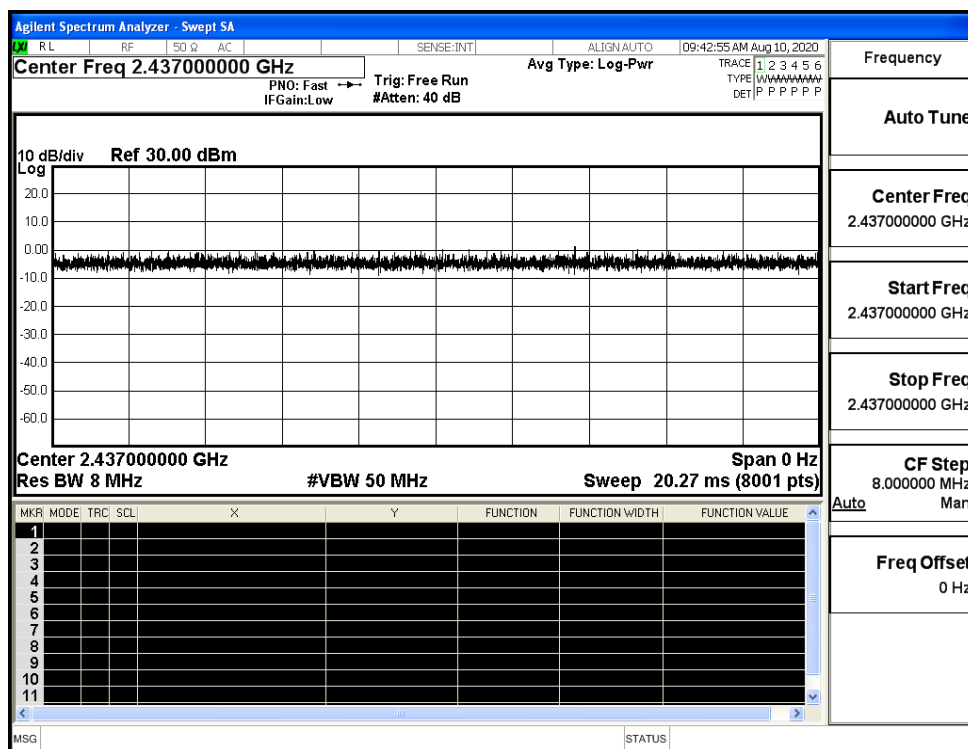
#### B.1 Duty Cycle

| Test Mode | Test Channel | Ant  | Duty Cycle[%] | Verdict |
|-----------|--------------|------|---------------|---------|
| 11B       | 2437         | Ant1 | 100           | PASS    |
| 11G       | 2437         | Ant1 | 100           | PASS    |
| 11N20SISO | 2437         | Ant1 | 100           | PASS    |
| 11N40SISO | 2437         | Ant1 | 100           | PASS    |

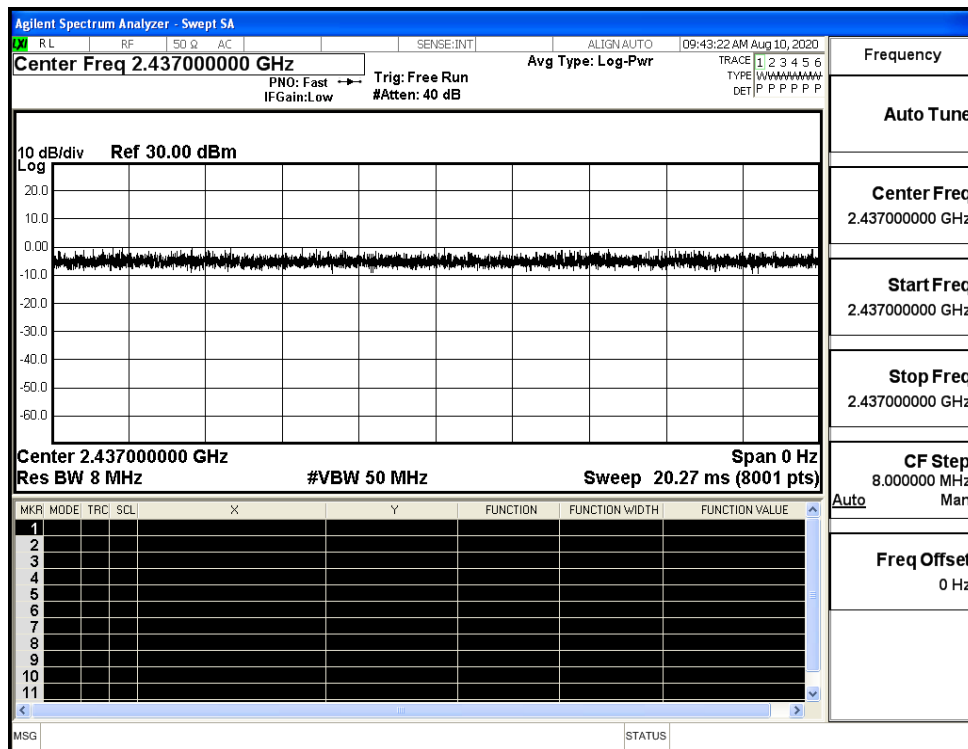
## Duty Cycle\_11B\_2437\_Ant1



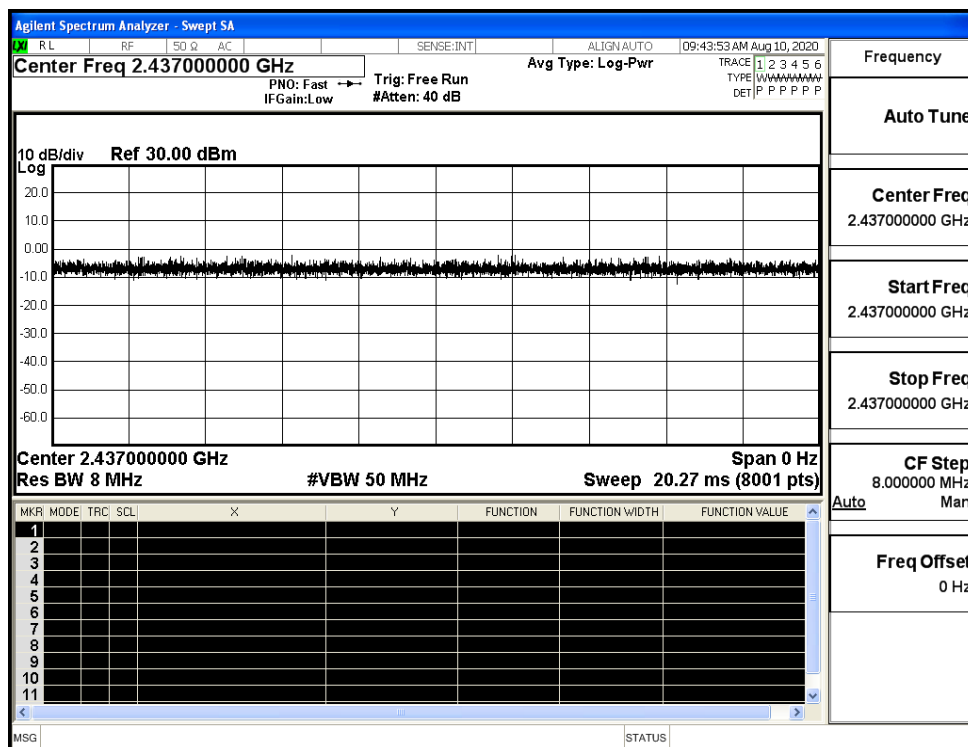
## Duty Cycle\_11G\_2437\_Ant1



## Duty Cycle\_11N20SISO\_2437\_Ant1



## Duty Cycle\_11N40SISO\_2437\_Ant1

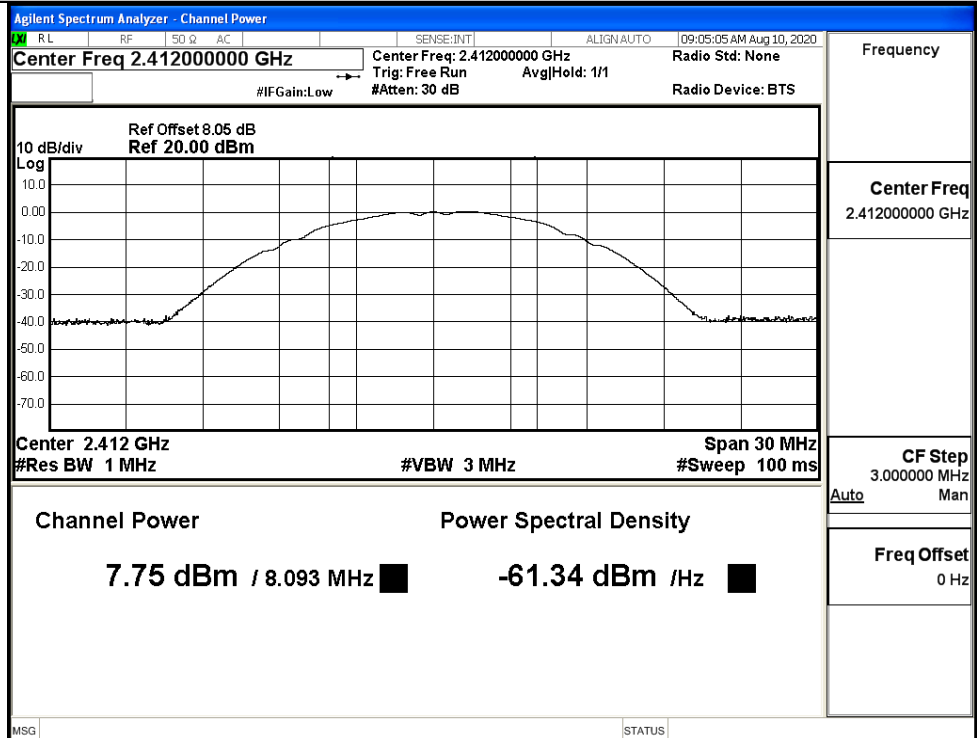


**B.2 Maximum Conducted Output Power**

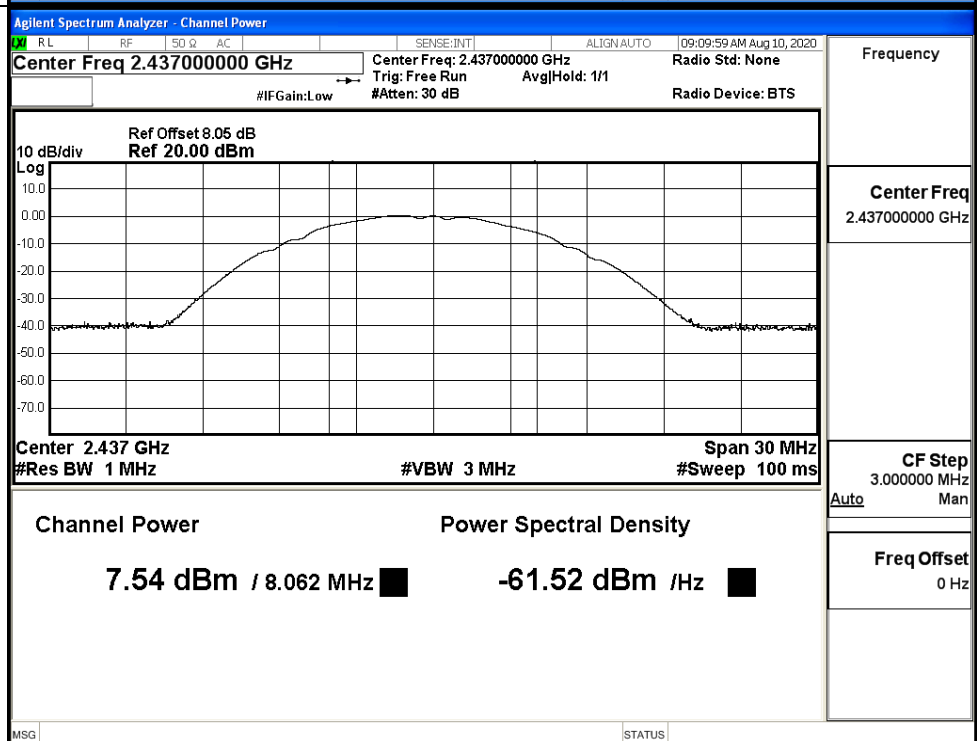
| Mode      | Channel | Meas.Level [dBm] | Limit [dBm] | Verdict |
|-----------|---------|------------------|-------------|---------|
| 11B       | LCH     | 7.75             | 30          | PASS    |
|           | MCH     | 7.54             | 30          | PASS    |
|           | HCH     | 6.92             | 30          | PASS    |
| 11G       | LCH     | 8.78             | 30          | PASS    |
|           | MCH     | 8.81             | 30          | PASS    |
|           | HCH     | 8.11             | 30          | PASS    |
| 11N20SISO | LCH     | 8.21             | 30          | PASS    |
|           | MCH     | 8.62             | 30          | PASS    |
|           | HCH     | 7.98             | 30          | PASS    |
| 11N40SISO | LCH     | 8.42             | 30          | PASS    |
|           | MCH     | 8.71             | 30          | PASS    |
|           | HCH     | 8.59             | 30          | PASS    |

## Test Graphs

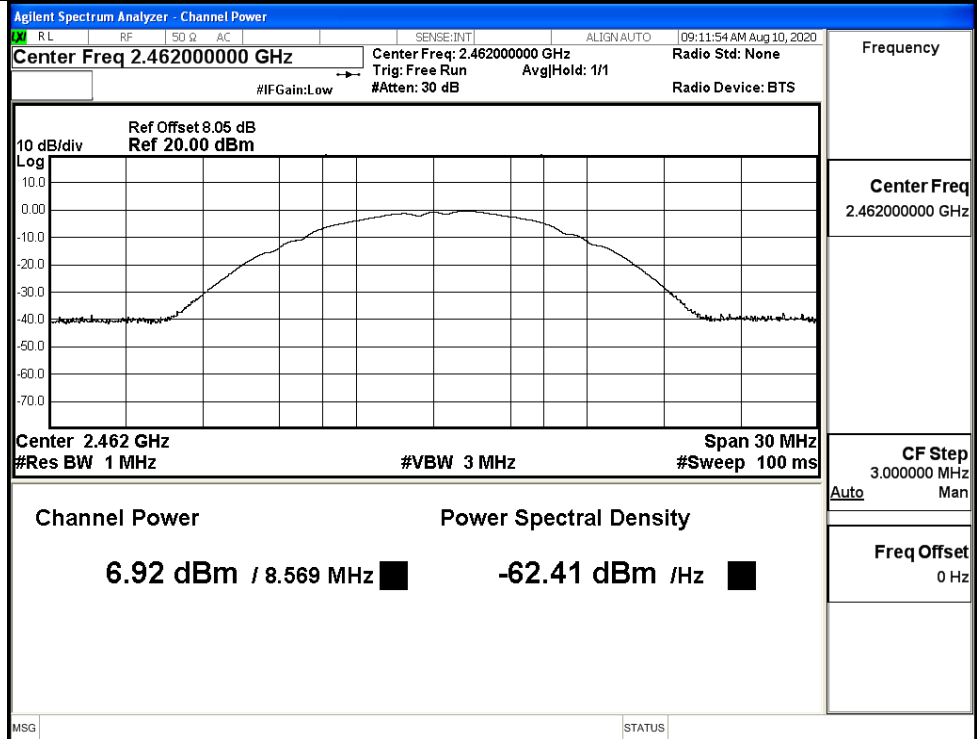
11B/LCH



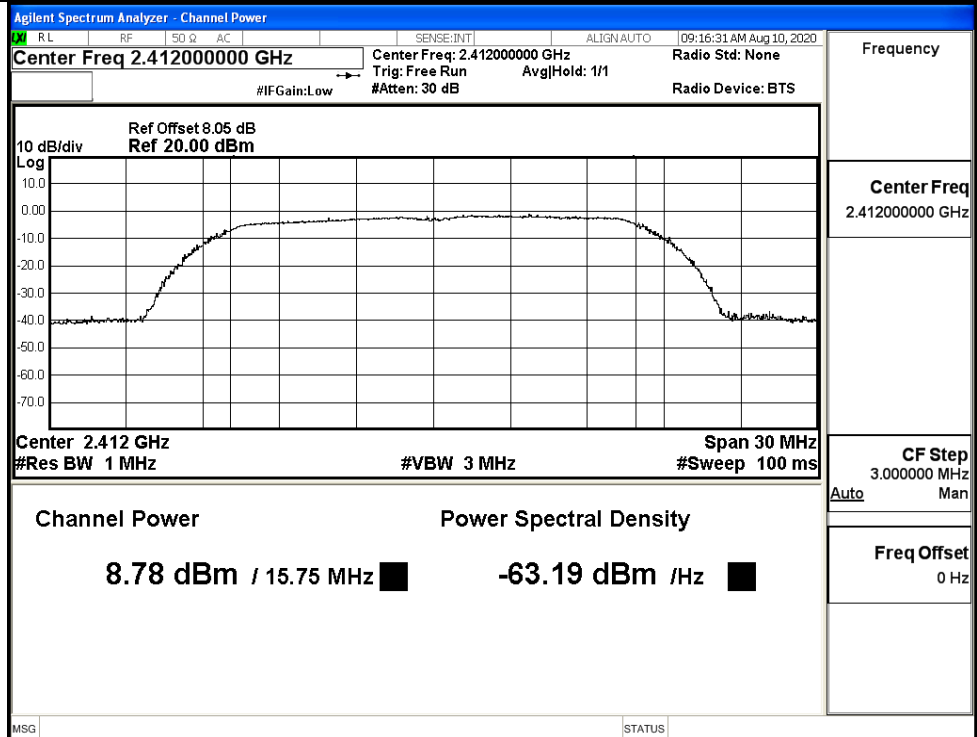
11B/MCH



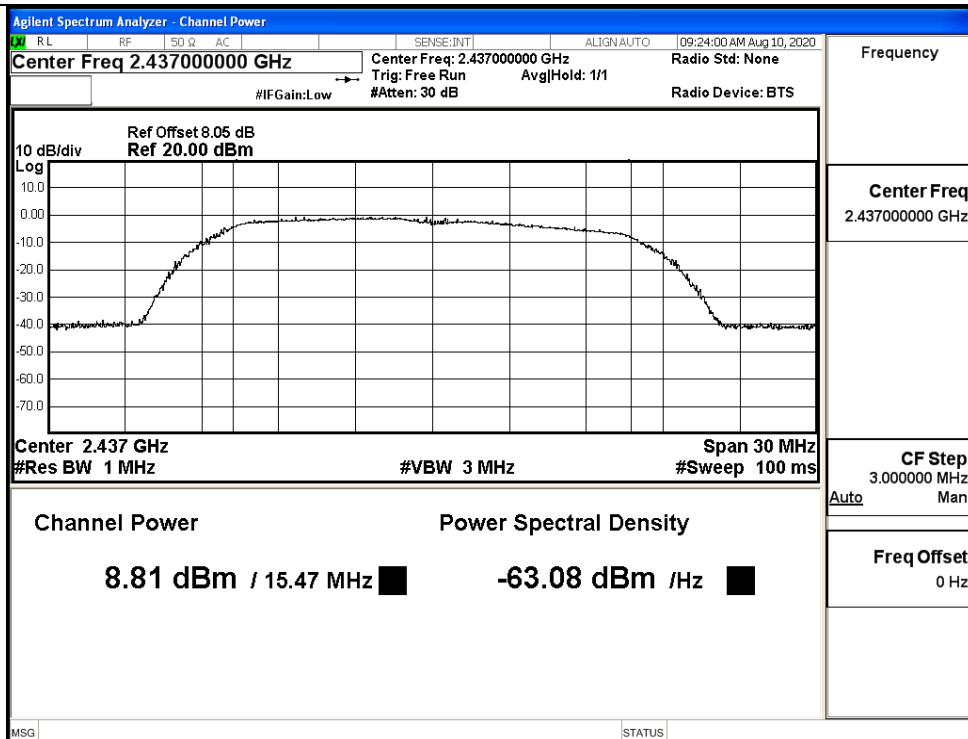
11B/HCH



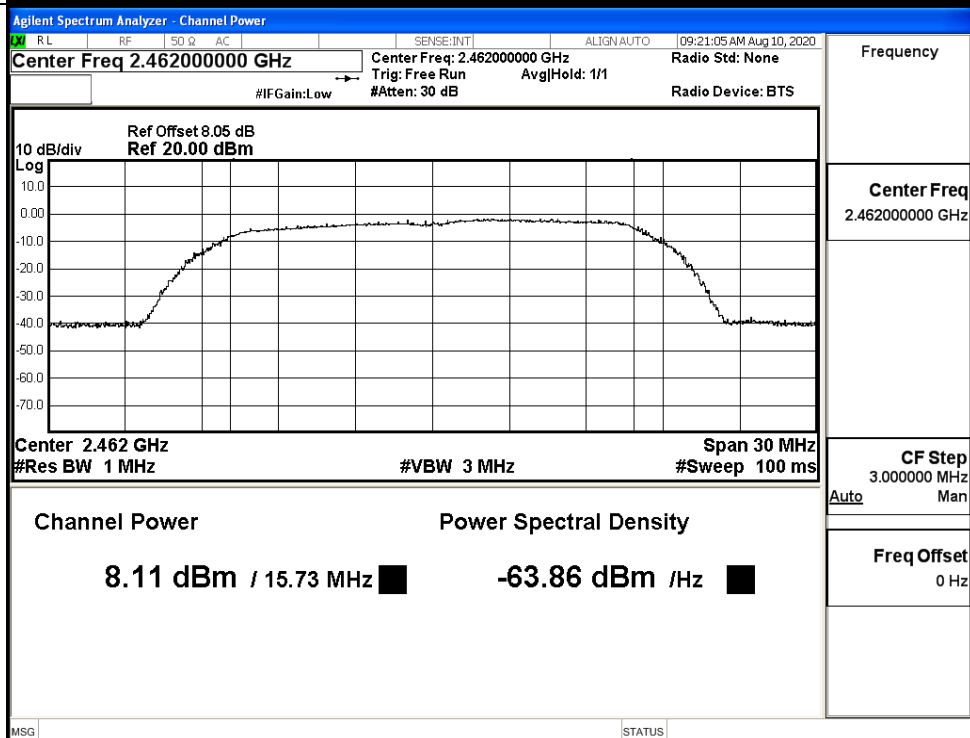
11G/LCH



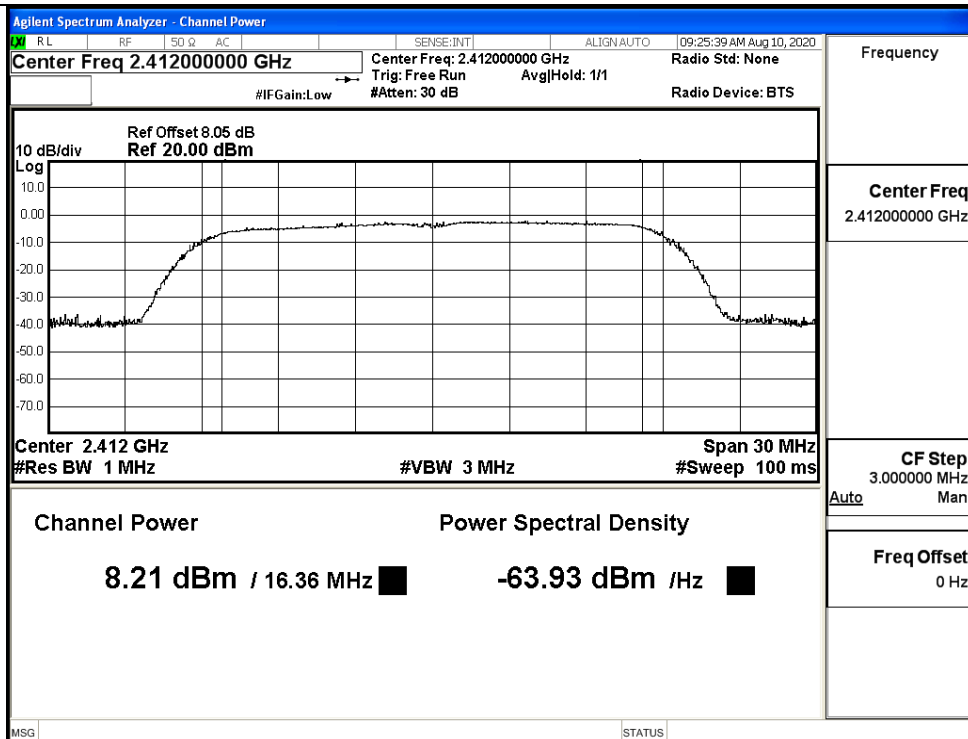
11G/MCH



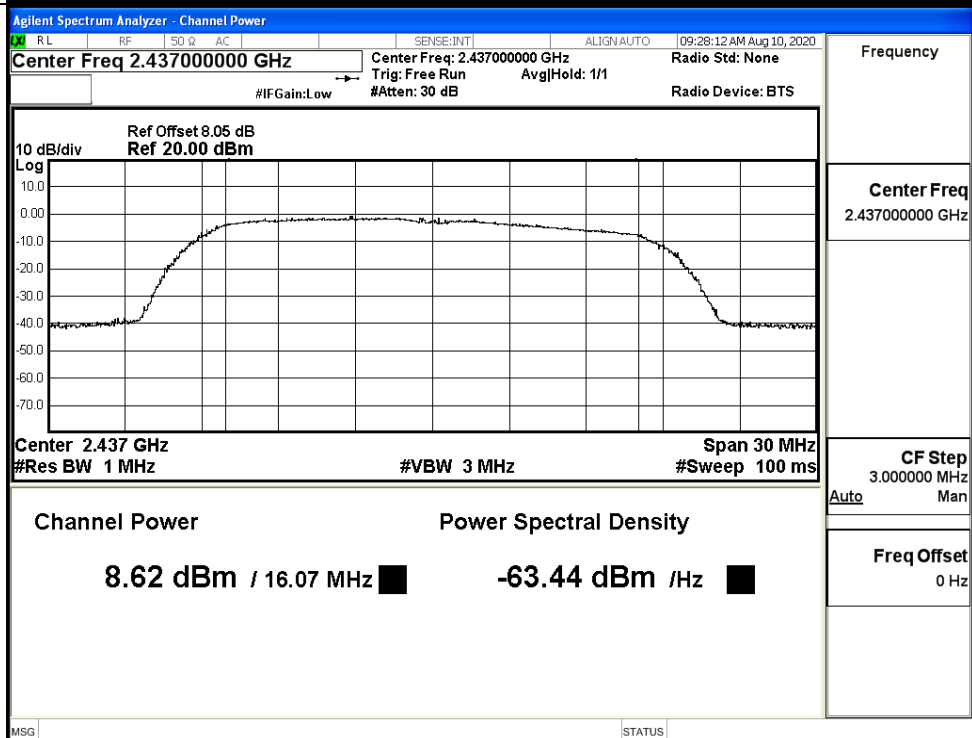
11G/HCH



11N20SISO/LCH

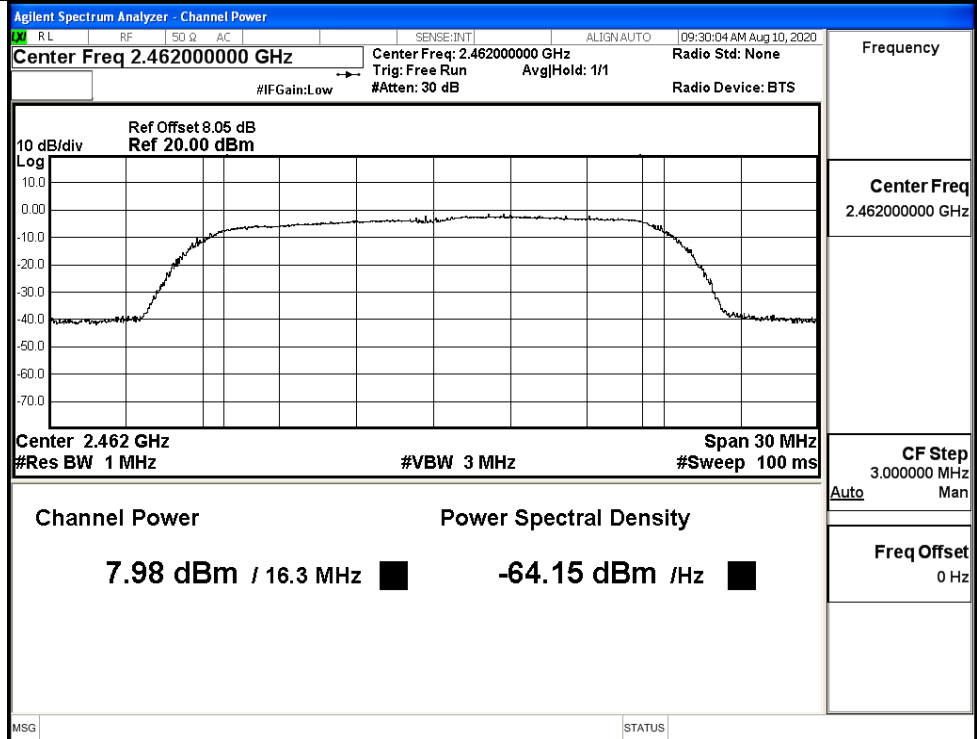


11N20SISO/MCH

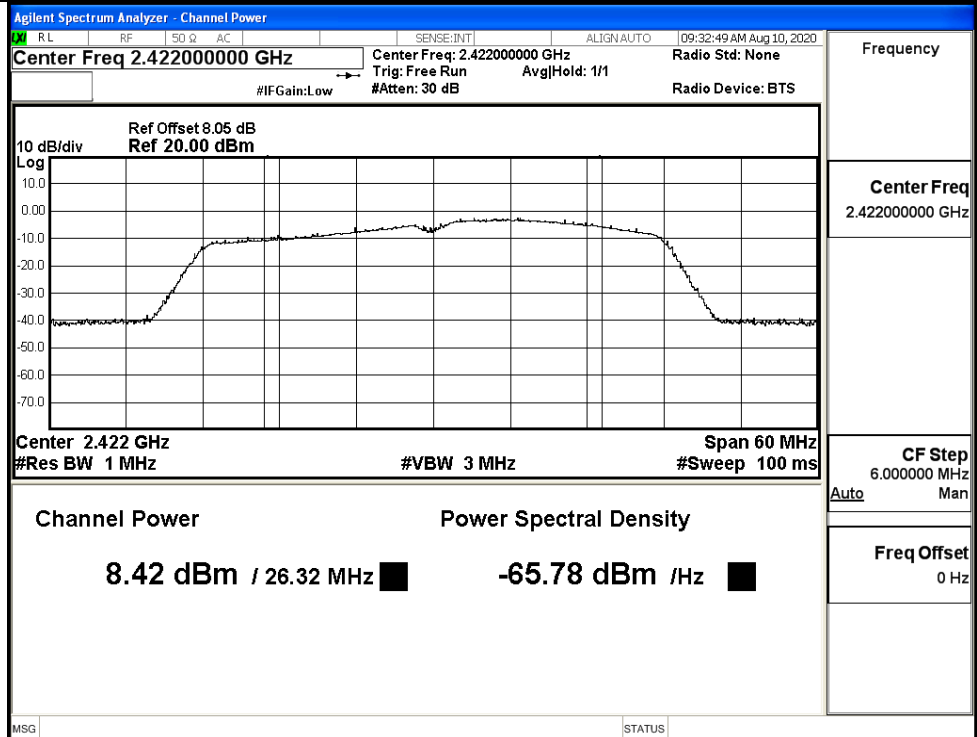




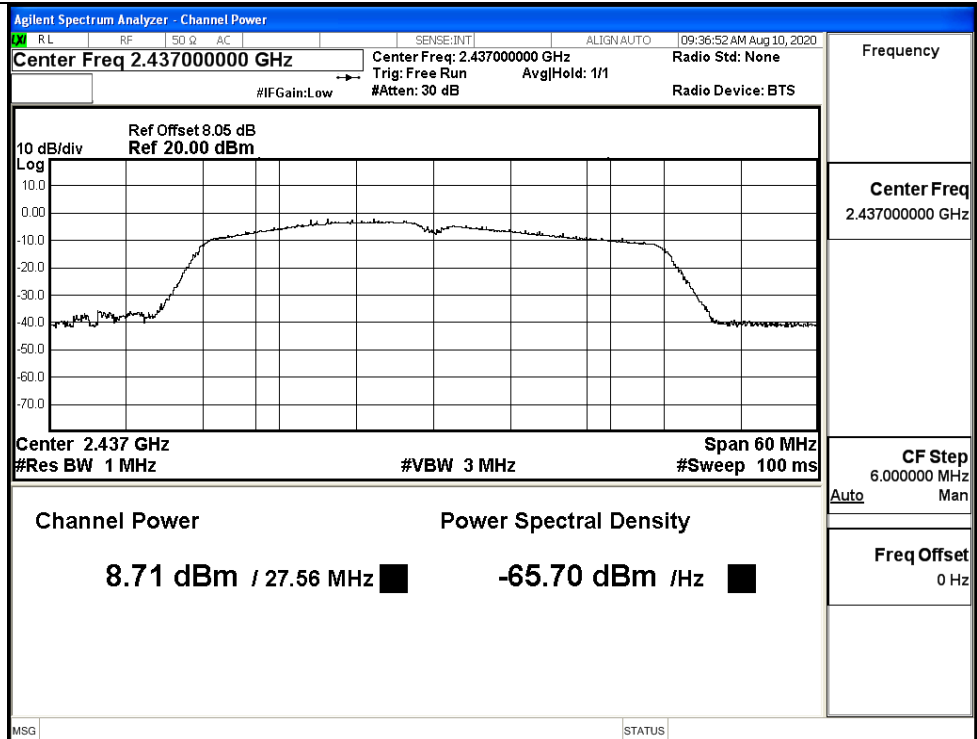
11N20SISO/HCH



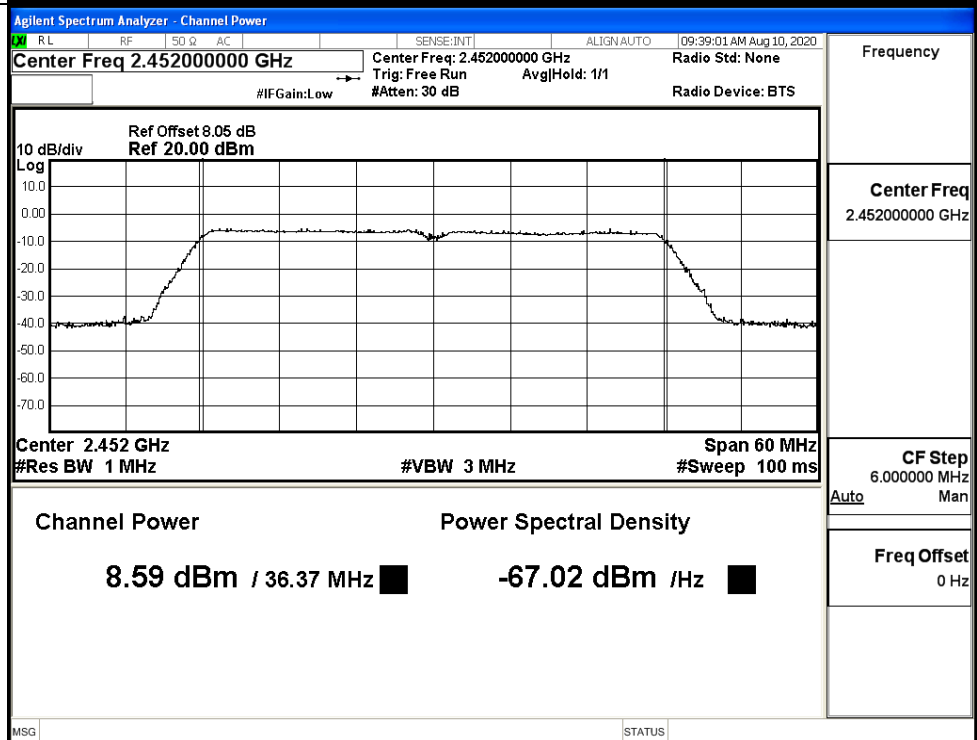
11N40SISO/LCH



11N40SISO/MCH



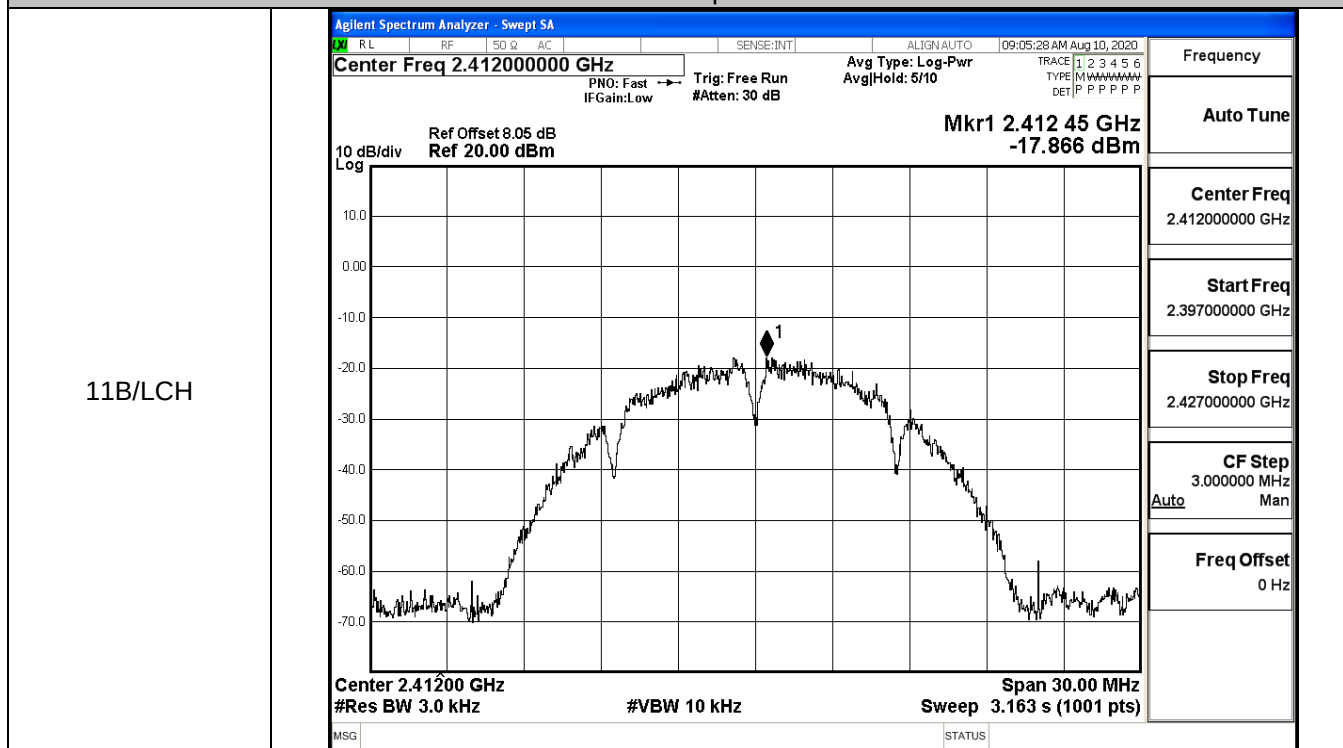
11N40SISO/HCH



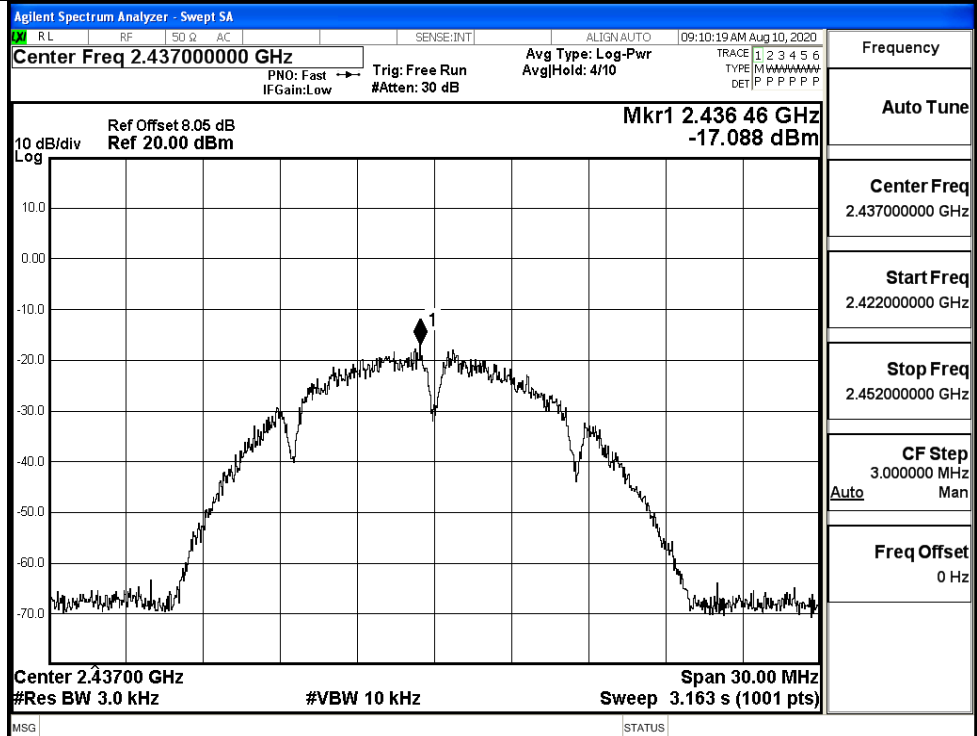
### B.3 Maximum Power Spectral Density

| Mode      | Channel | Meas.Level [dBm/3KHz] | Limit [dBm/3KHz] | Verdict |
|-----------|---------|-----------------------|------------------|---------|
| 11B       | LCH     | -17.866               | 8                | PASS    |
|           | MCH     | -17.088               | 8                | PASS    |
|           | HCH     | -19.244               | 8                | PASS    |
| 11G       | LCH     | -25.560               | 8                | PASS    |
|           | MCH     | -24.055               | 8                | PASS    |
|           | HCH     | -24.946               | 8                | PASS    |
| 11N20SISO | LCH     | -24.672               | 8                | PASS    |
|           | MCH     | -24.560               | 8                | PASS    |
|           | HCH     | -24.830               | 8                | PASS    |
| 11N40SISO | LCH     | -26.724               | 8                | PASS    |
|           | MCH     | -25.421               | 8                | PASS    |
|           | HCH     | -28.277               | 8                | PASS    |

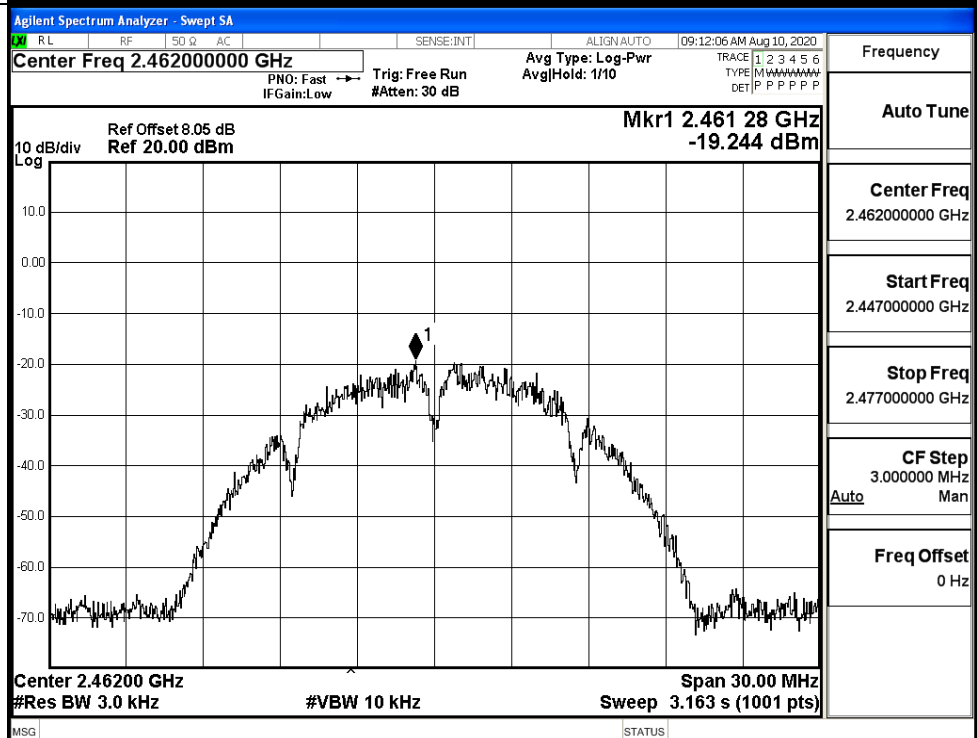
#### Test Graphs



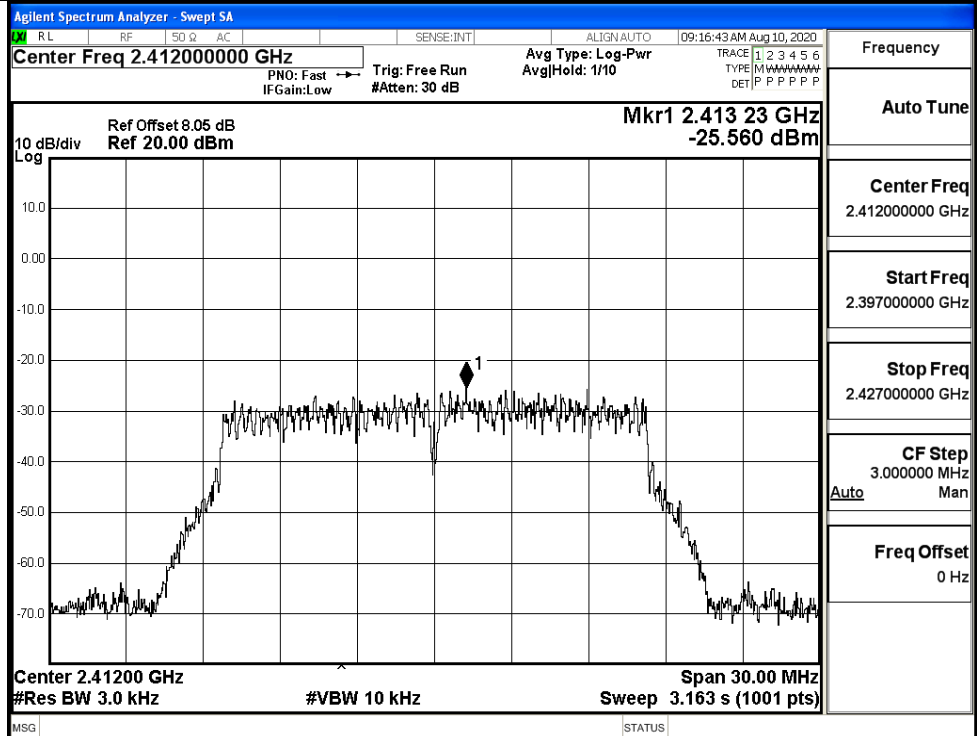
11B/MCH



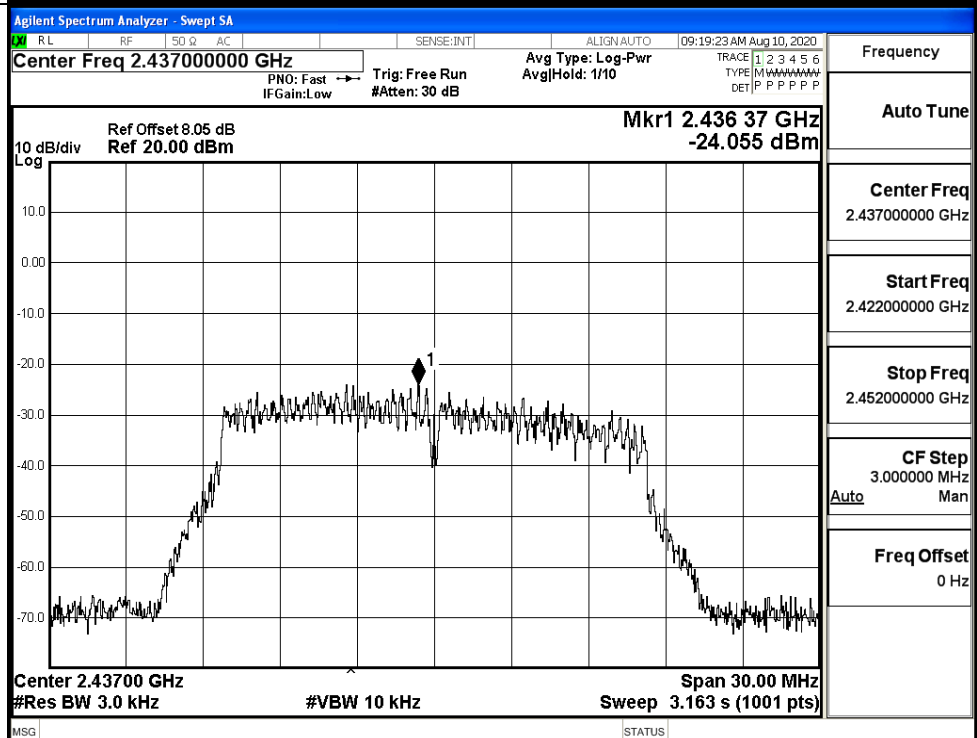
11B/HCH



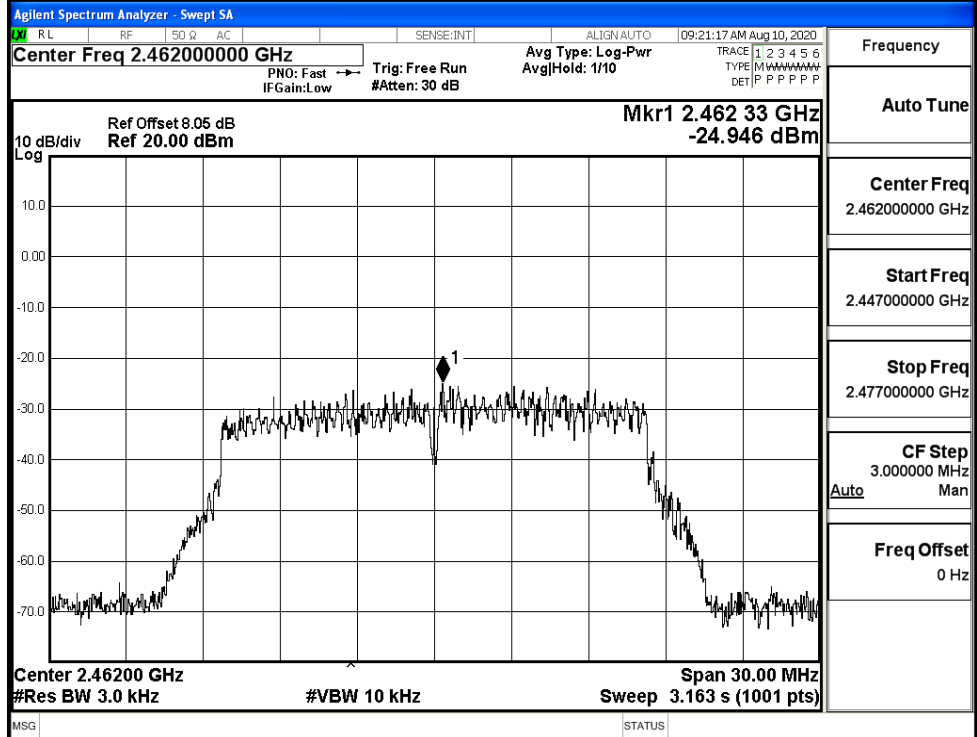
11G/LCH



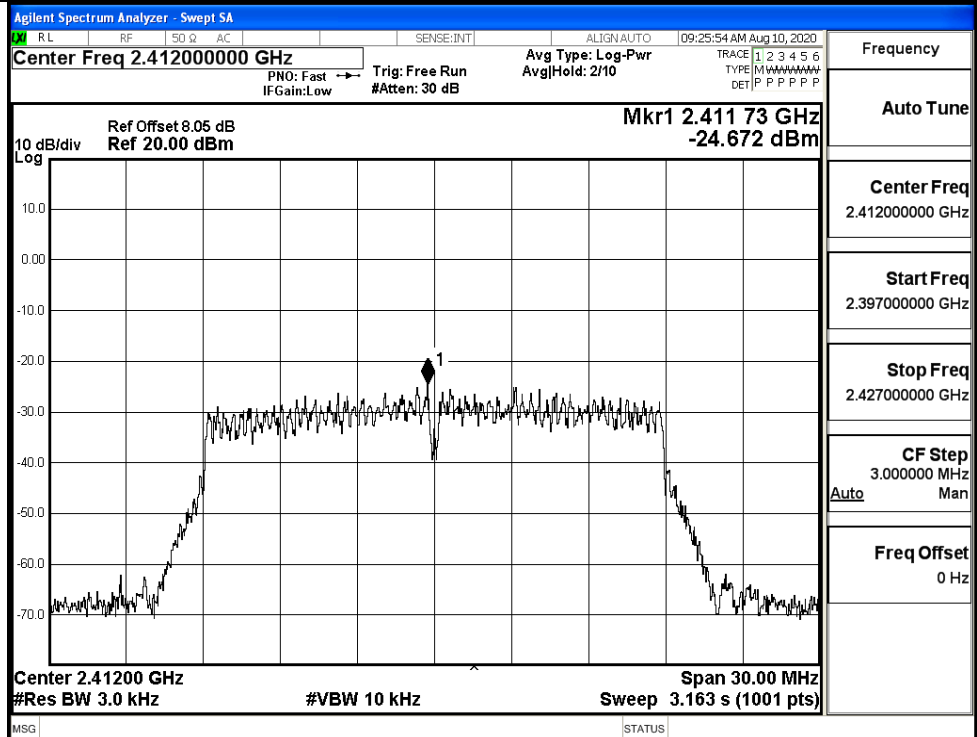
11G/MCH



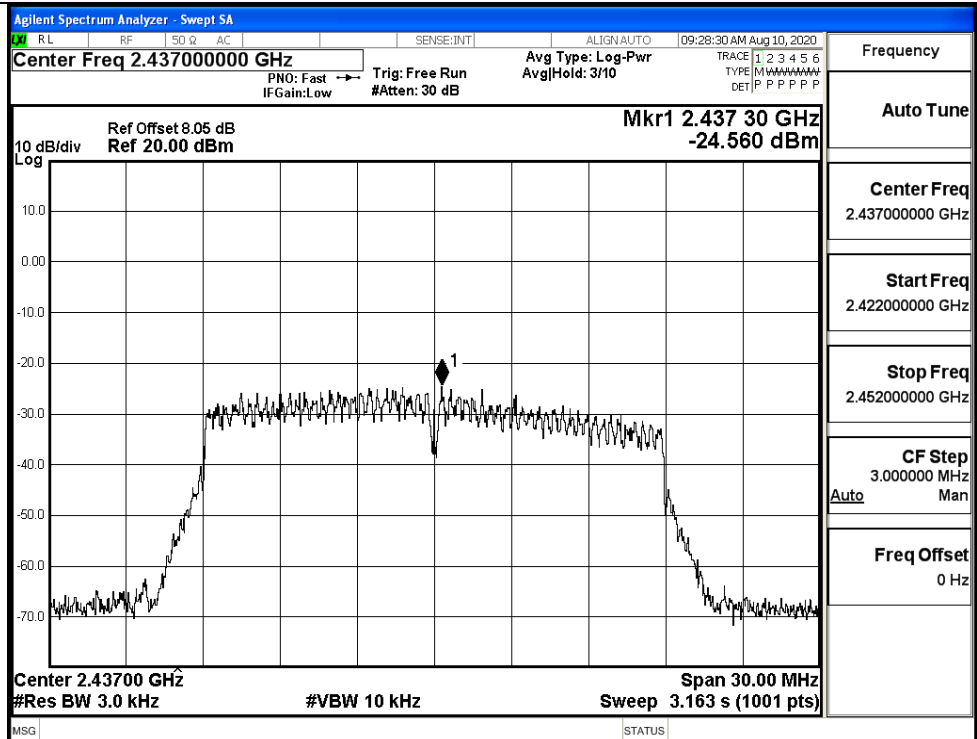
11G/HCH



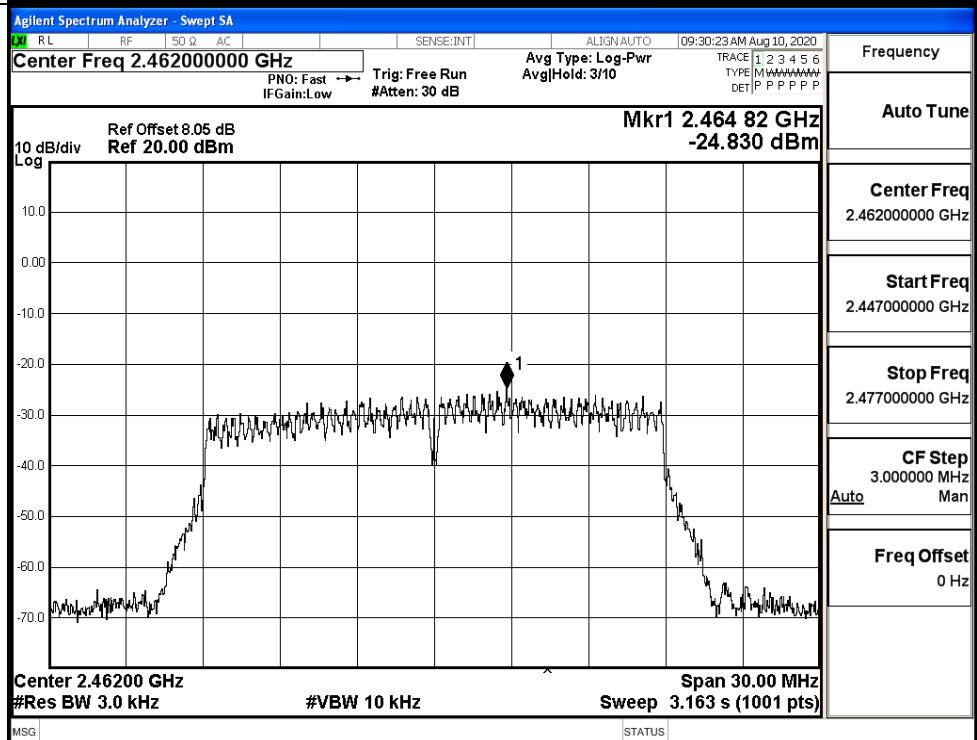
11N20SISO/LCH



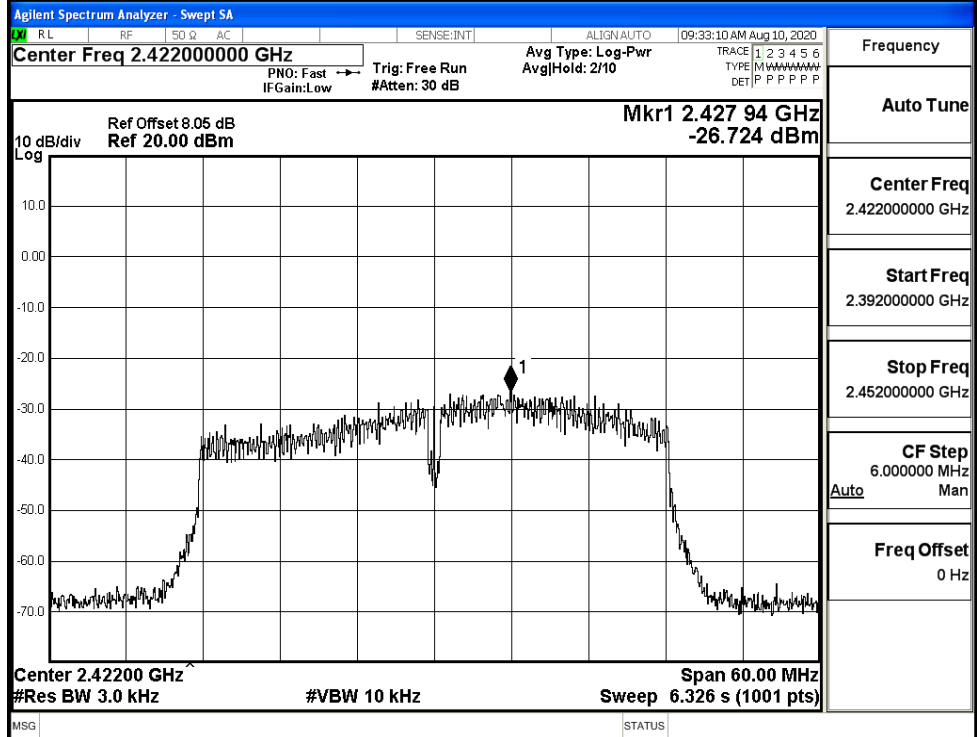
11N20SISO/MCH



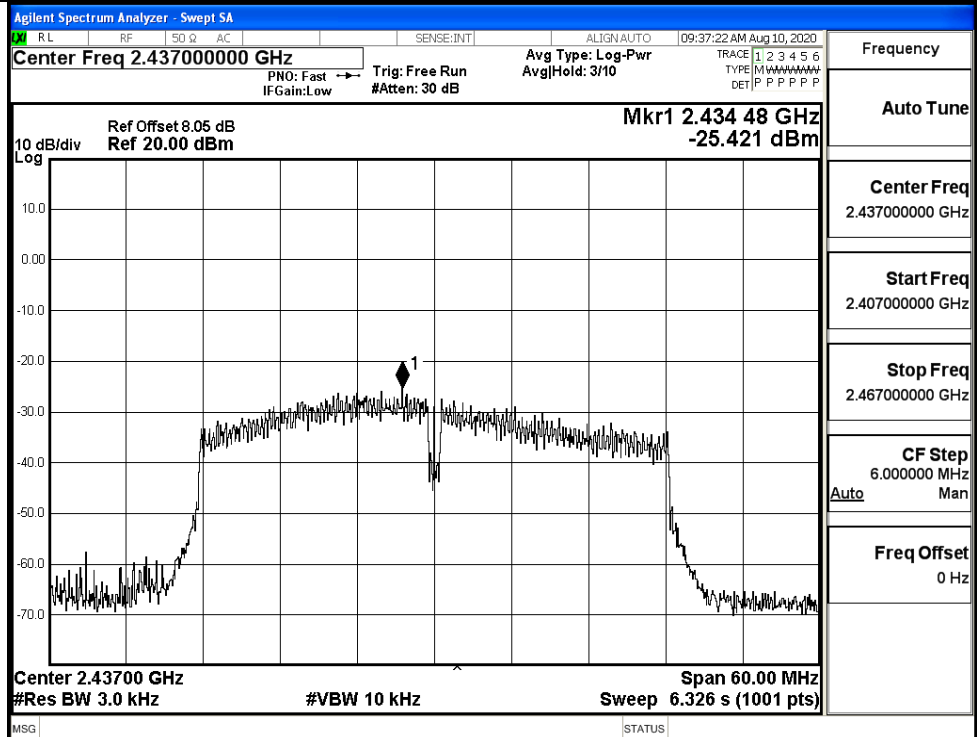
11N20SISO/HCH



11N40SISO/LCH

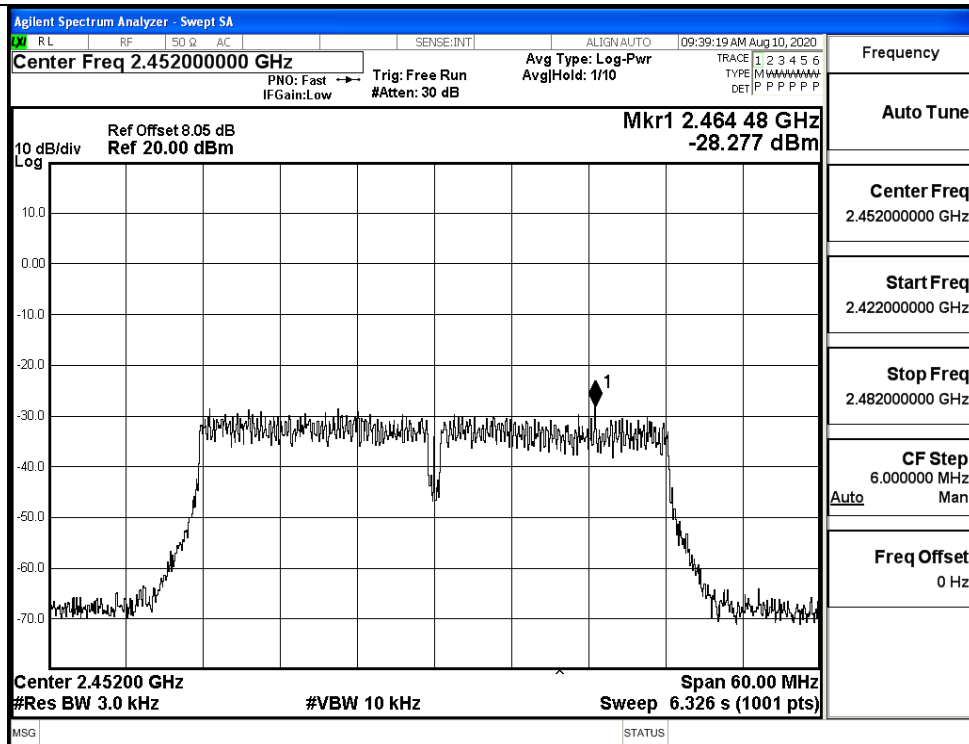


11N40SISO/MCH





11N40SISO/HCH

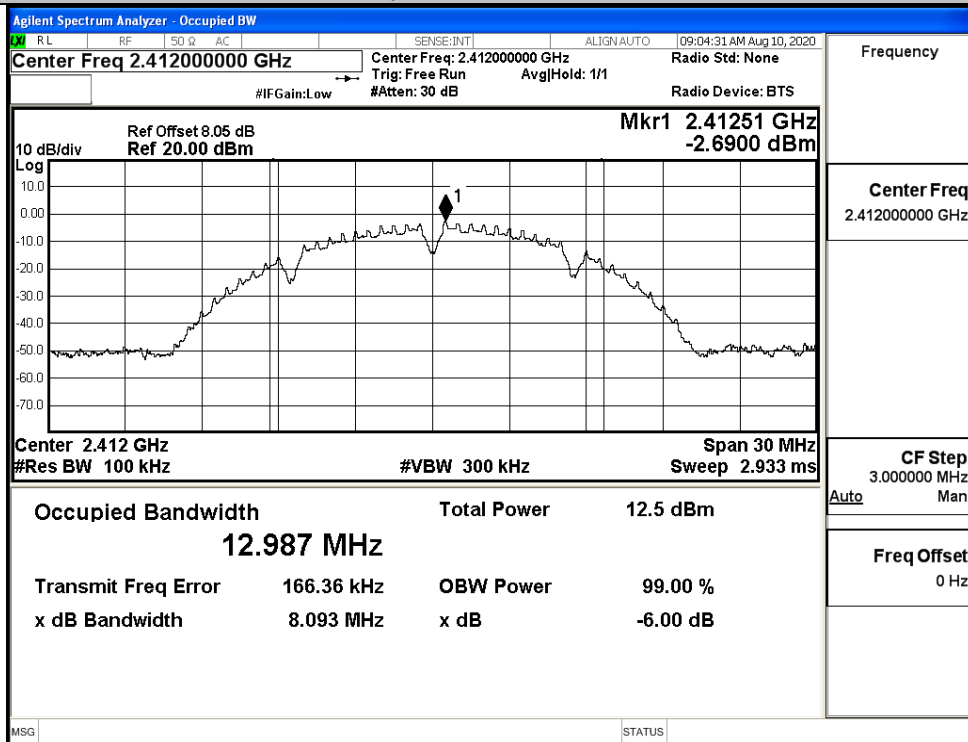


## B.4 6dB Bandwidth

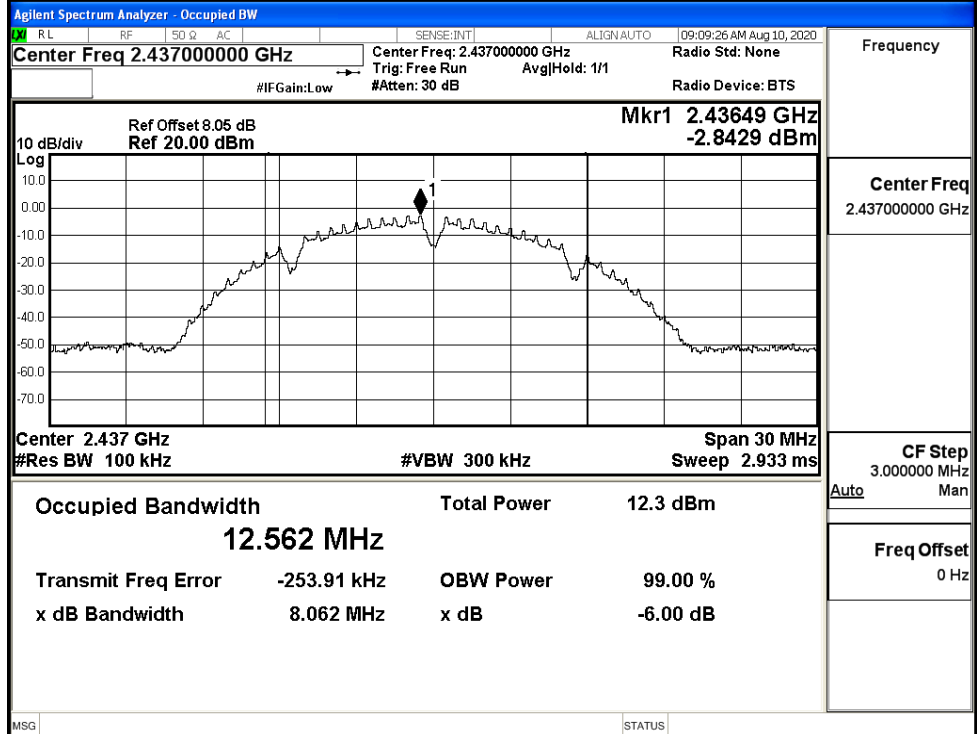
| Mode      | Channel | 6dB Bandwidth [MHz] | Limit [MHz] | Verdict |
|-----------|---------|---------------------|-------------|---------|
| 11B       | LCH     | 8.093               | $\geq 0.5$  | PASS    |
|           | MCH     | 8.062               | $\geq 0.5$  | PASS    |
|           | HCH     | 8.569               | $\geq 0.5$  | PASS    |
| 11G       | LCH     | 15.75               | $\geq 0.5$  | PASS    |
|           | MCH     | 15.47               | $\geq 0.5$  | PASS    |
|           | HCH     | 15.73               | $\geq 0.5$  | PASS    |
| 11N20SISO | LCH     | 16.36               | $\geq 0.5$  | PASS    |
|           | MCH     | 16.07               | $\geq 0.5$  | PASS    |
|           | HCH     | 16.30               | $\geq 0.5$  | PASS    |
| 11N40SISO | LCH     | 26.32               | $\geq 0.5$  | PASS    |
|           | MCH     | 27.56               | $\geq 0.5$  | PASS    |
|           | HCH     | 36.37               | $\geq 0.5$  | PASS    |

## Test Graphs

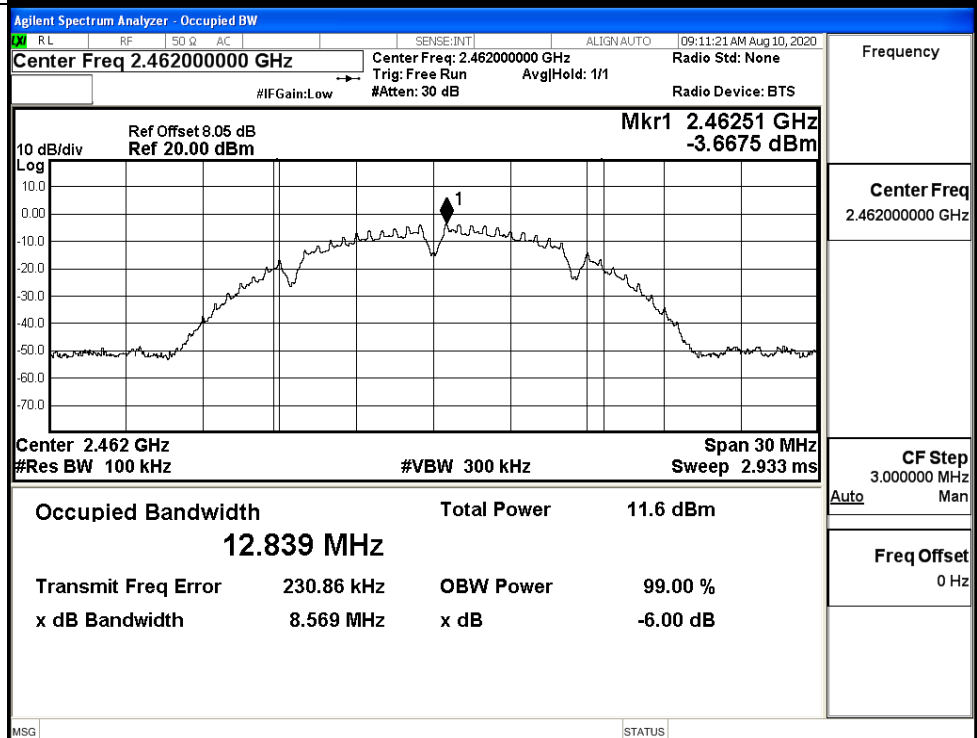
11B/LCH



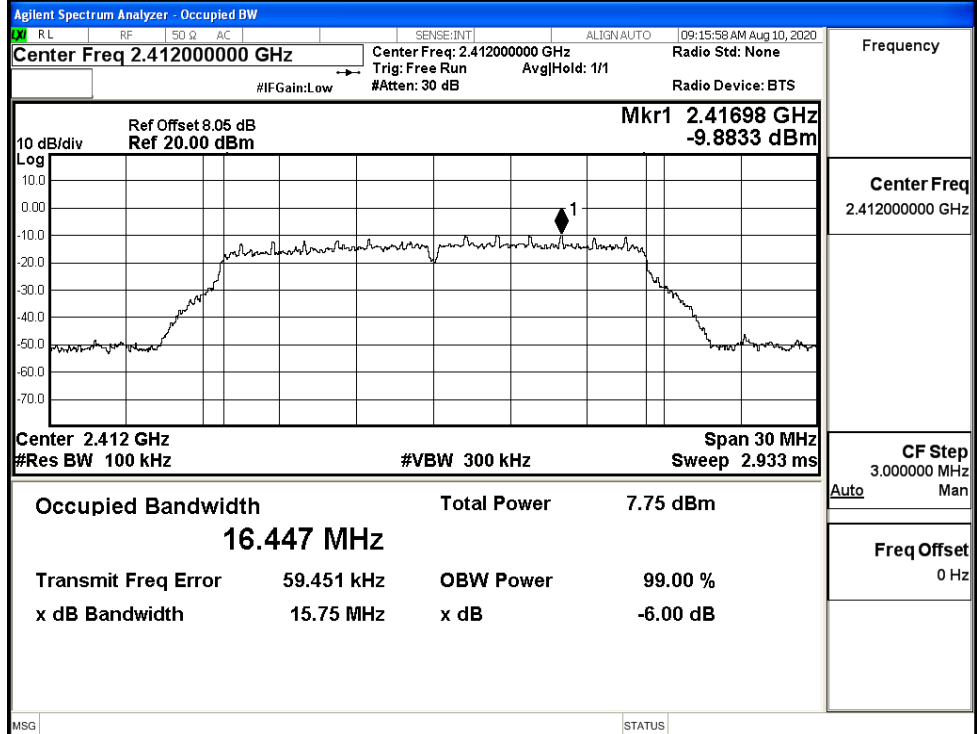
11B/MCH



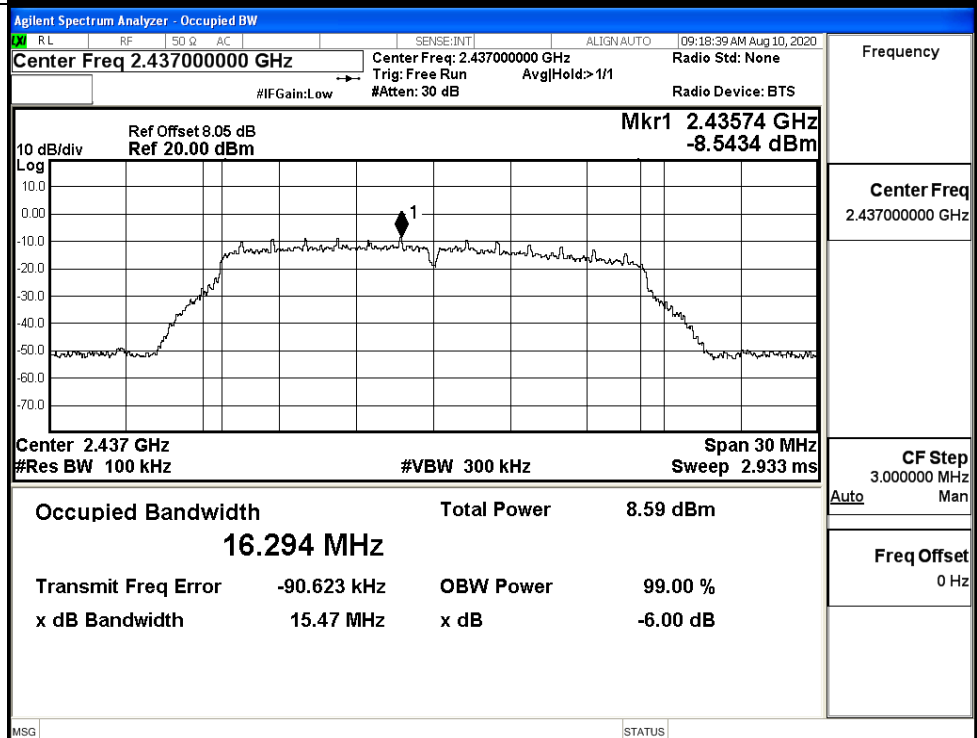
11B/HCH



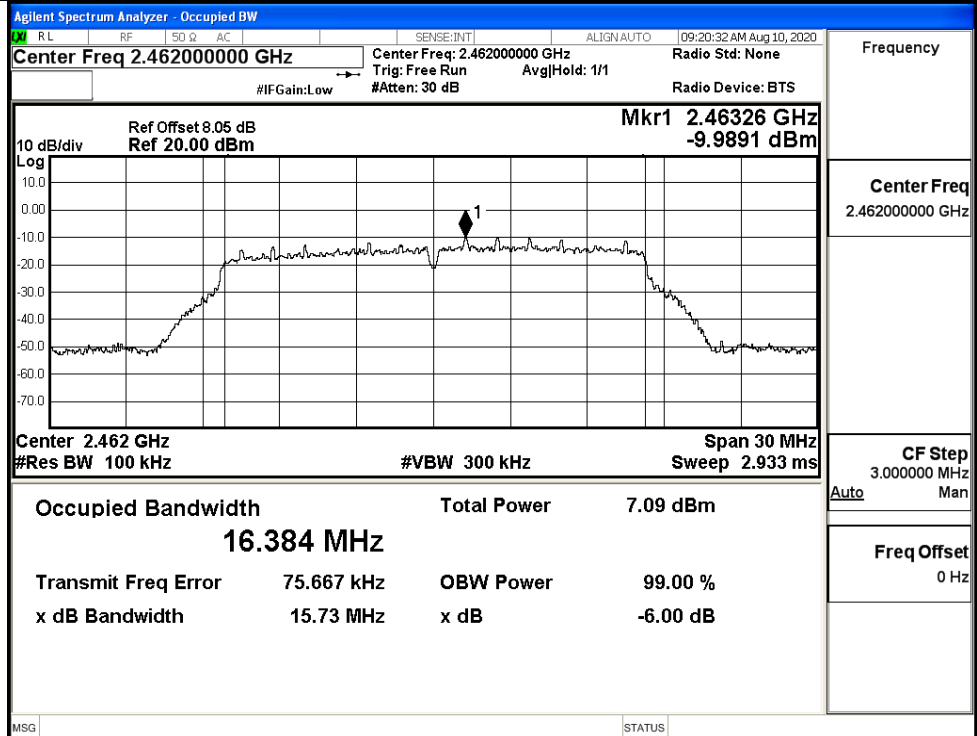
11G/LCH



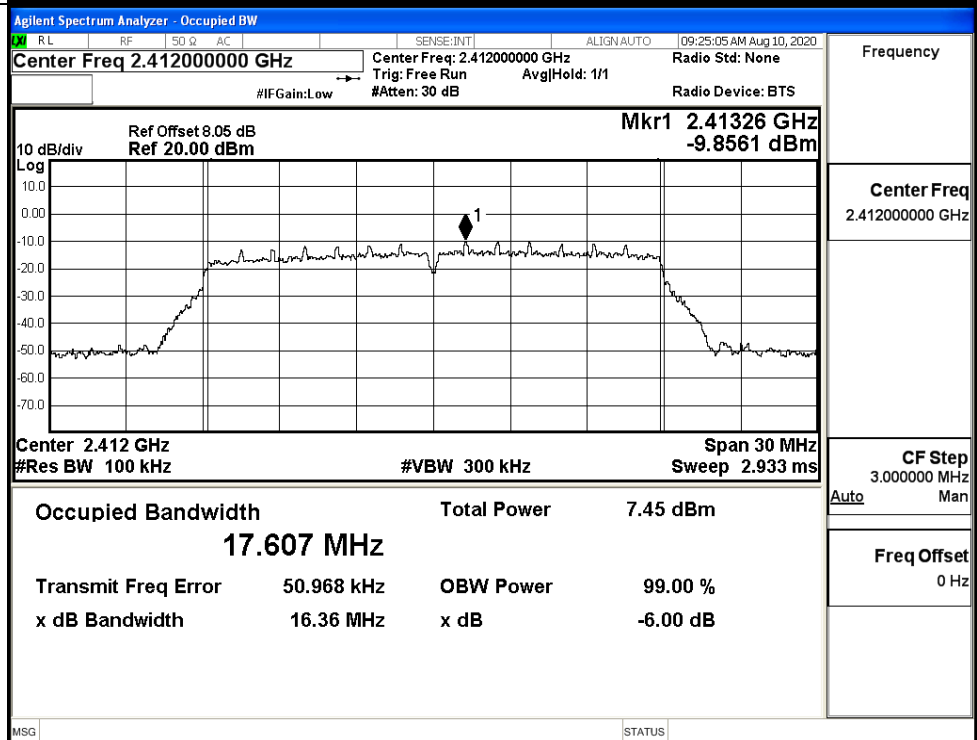
11G/MCH



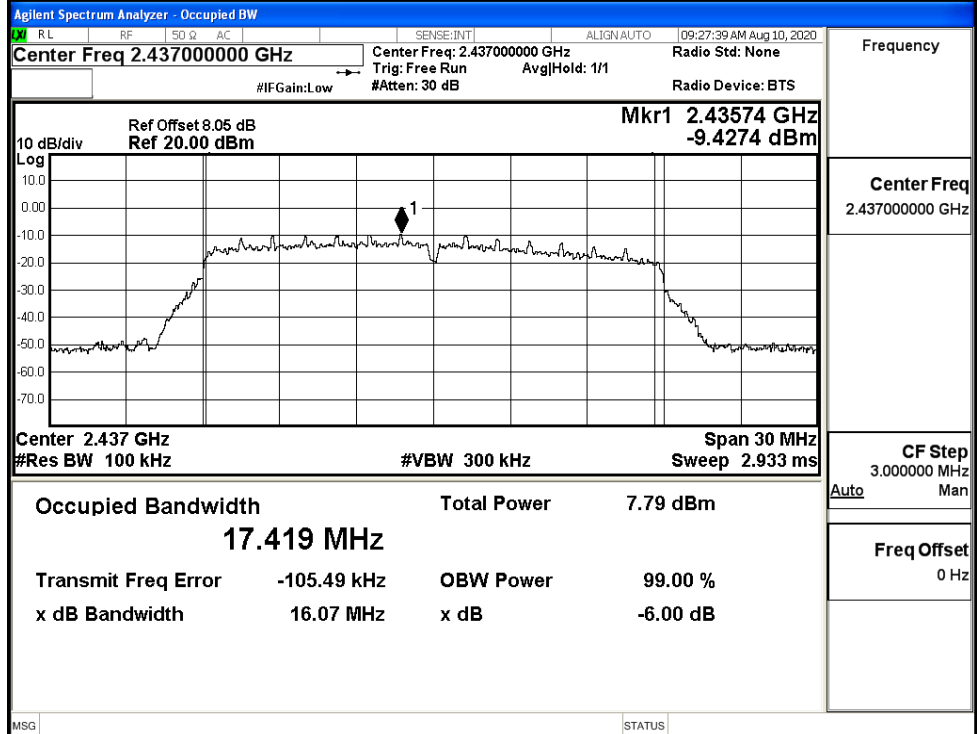
11G/HCH



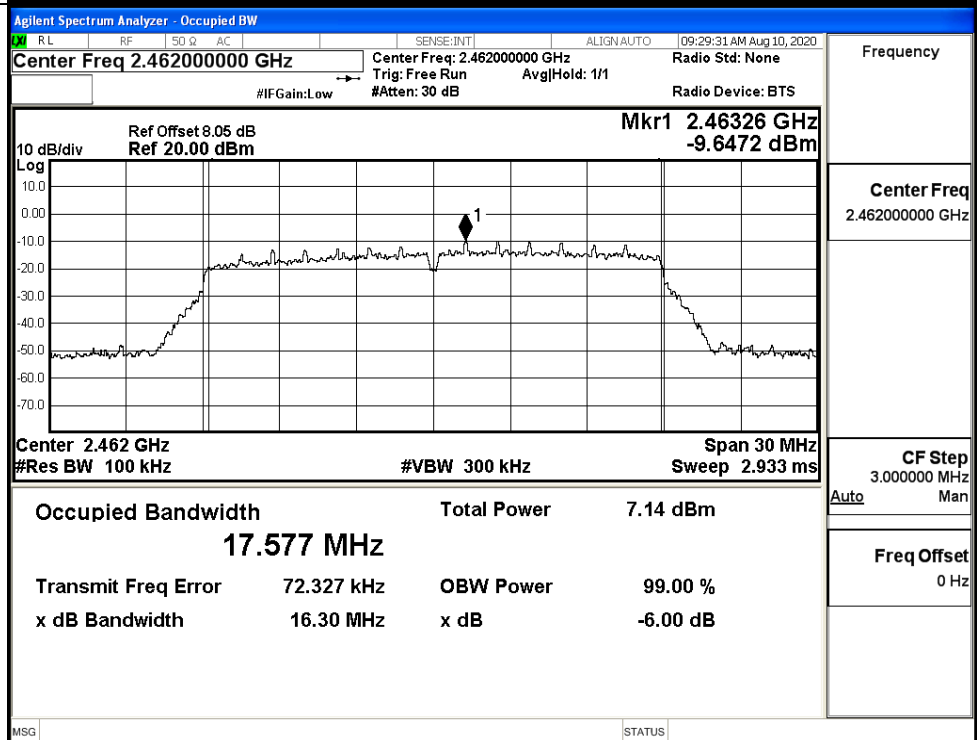
11N20SISO/LCH



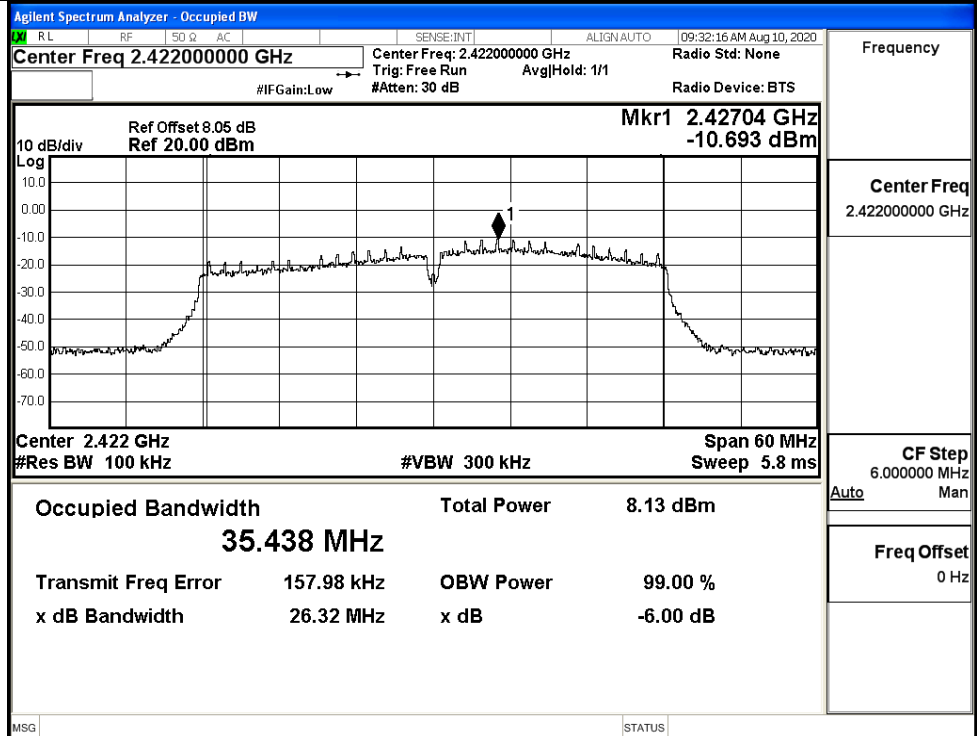
11N20SISO/MCH



11N20SISO/HCH



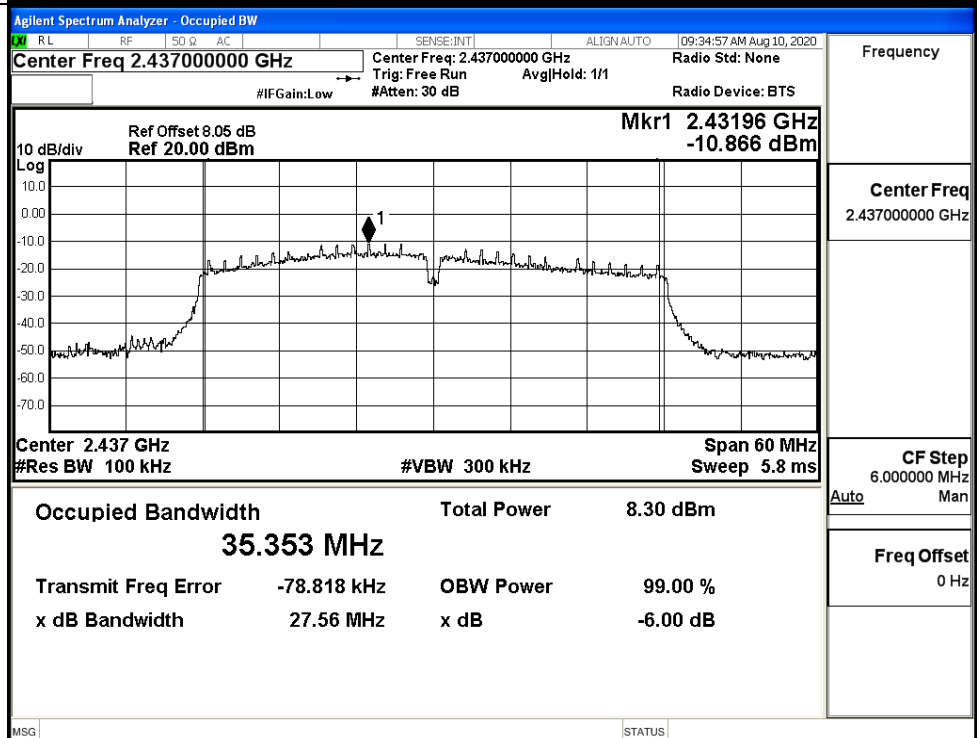
11N40SISO/LCH



Frequency

Center Freq  
2.422000000 GHzCF Step  
6.000000 MHz  
Auto ManFreq Offset  
0 Hz

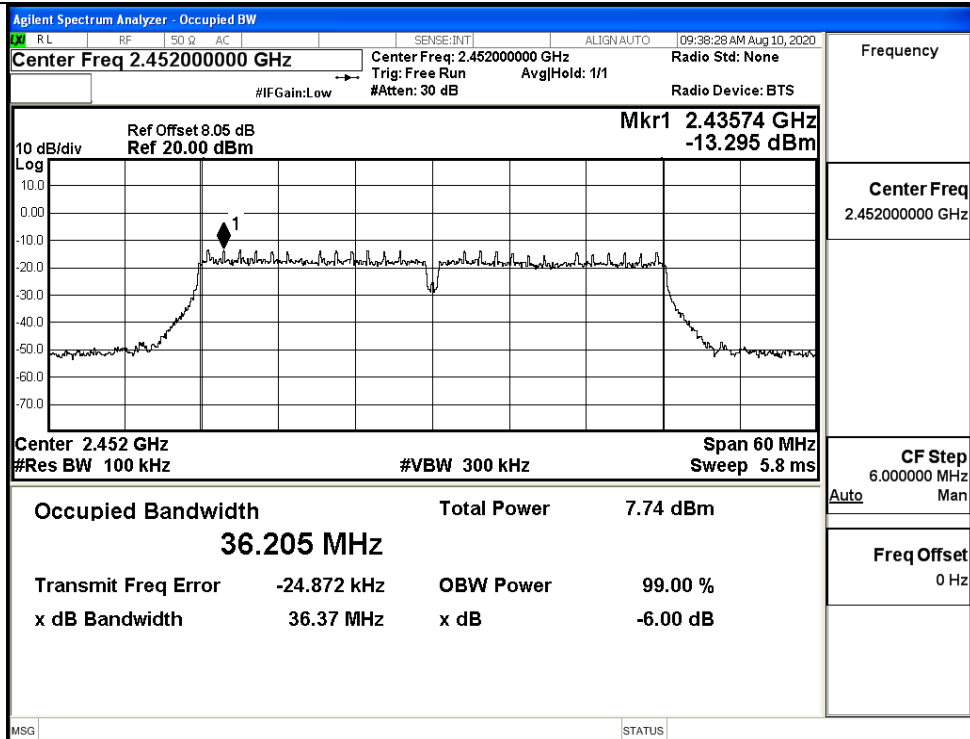
11N40SISO/MCH



Frequency

Center Freq  
2.437000000 GHzCF Step  
6.000000 MHz  
Auto ManFreq Offset  
0 Hz

11N40SISO/HCH



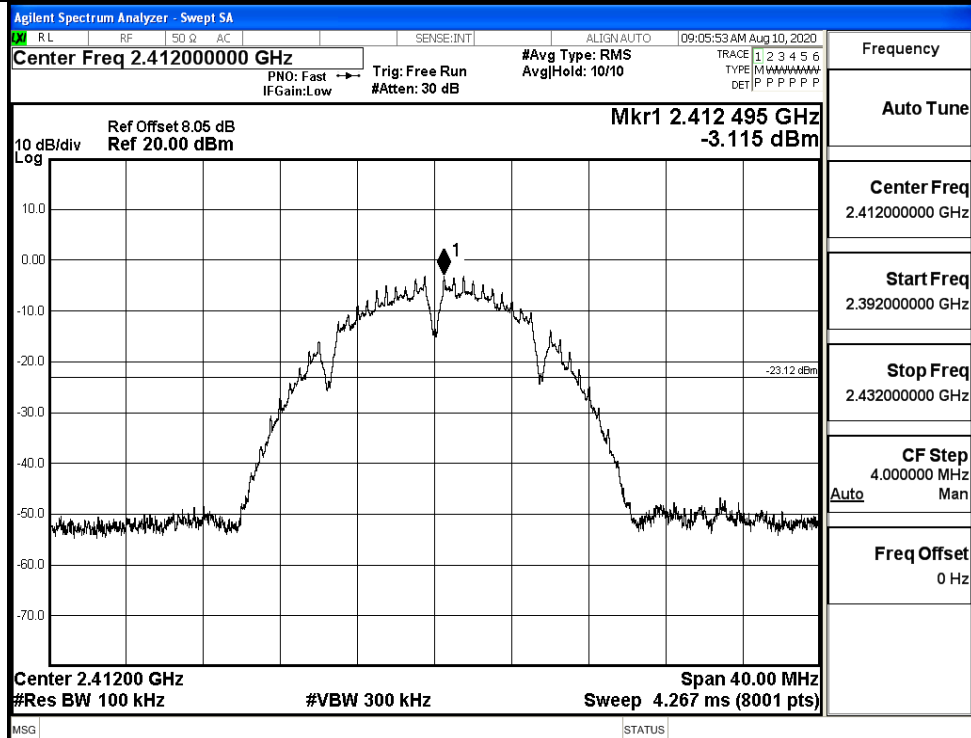


**B.5 RF Conducted Spurious Emissions**

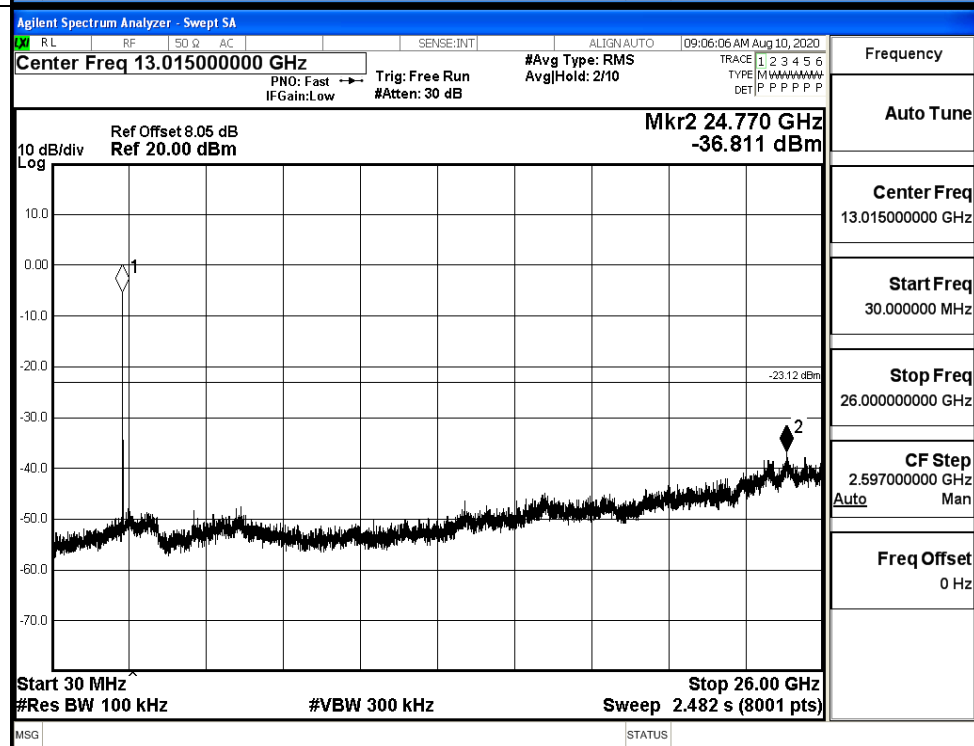
| Mode          | Channel | Pref [dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|---------------|---------|------------|------------------|-------------|---------|
| 11B           | LCH     | -3.115     | -36.811          | -23.115     | PASS    |
|               | MCH     | -3.226     | -37.563          | -23.226     | PASS    |
|               | HCH     | -4.235     | -38.324          | -24.235     | PASS    |
| 11G           | LCH     | -9.874     | -37.699          | -29.874     | PASS    |
|               | MCH     | -9.296     | -38.271          | -29.296     | PASS    |
|               | HCH     | -10.088    | -37.837          | -30.088     | PASS    |
| 11N20<br>SISO | LCH     | -10.16     | -37.419          | -30.160     | PASS    |
|               | MCH     | -9.897     | -38.512          | -29.897     | PASS    |
|               | HCH     | -10.157    | -37.863          | -30.157     | PASS    |
| 11N40<br>SISO | LCH     | -11.058    | -36.818          | -31.058     | PASS    |
|               | MCH     | -10.797    | -37.476          | -30.797     | PASS    |
|               | HCH     | -13.255    | -38.010          | -33.255     | PASS    |

## 11B LCH Graphs

Pref/11B/LCH

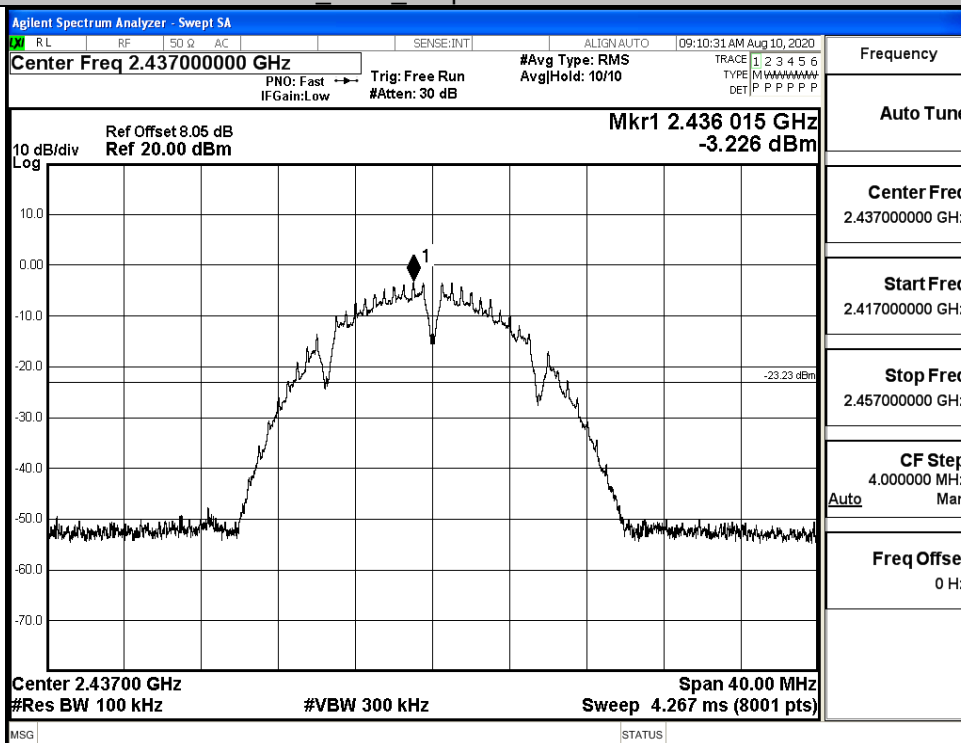


Puw/11B/LCH

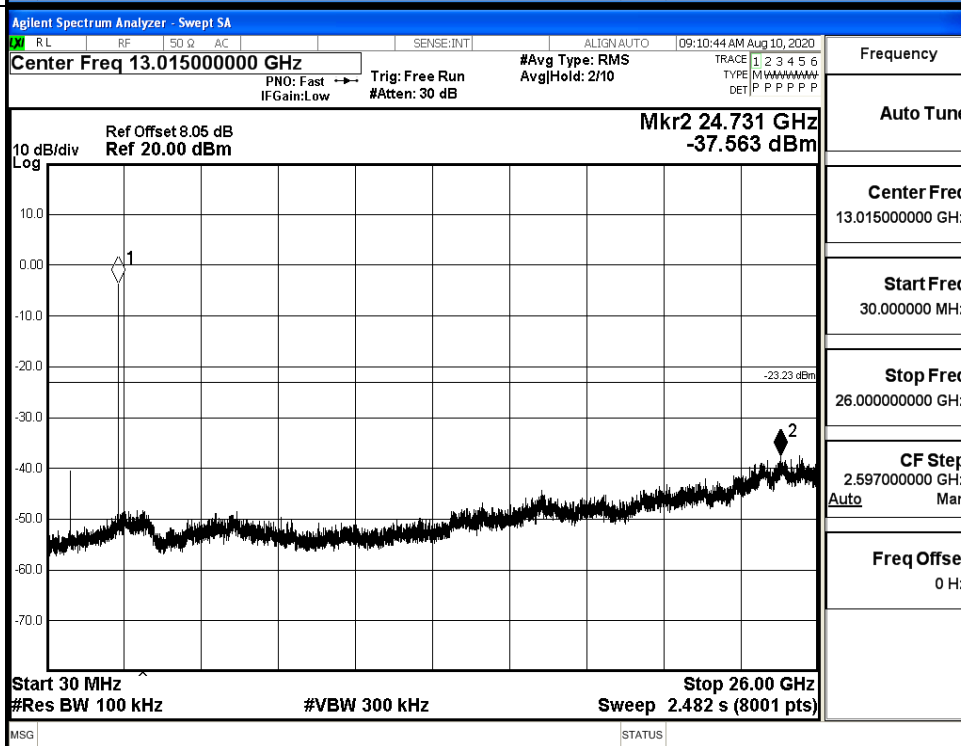


## 11B MCH Graphs

Pref/11B/MCH

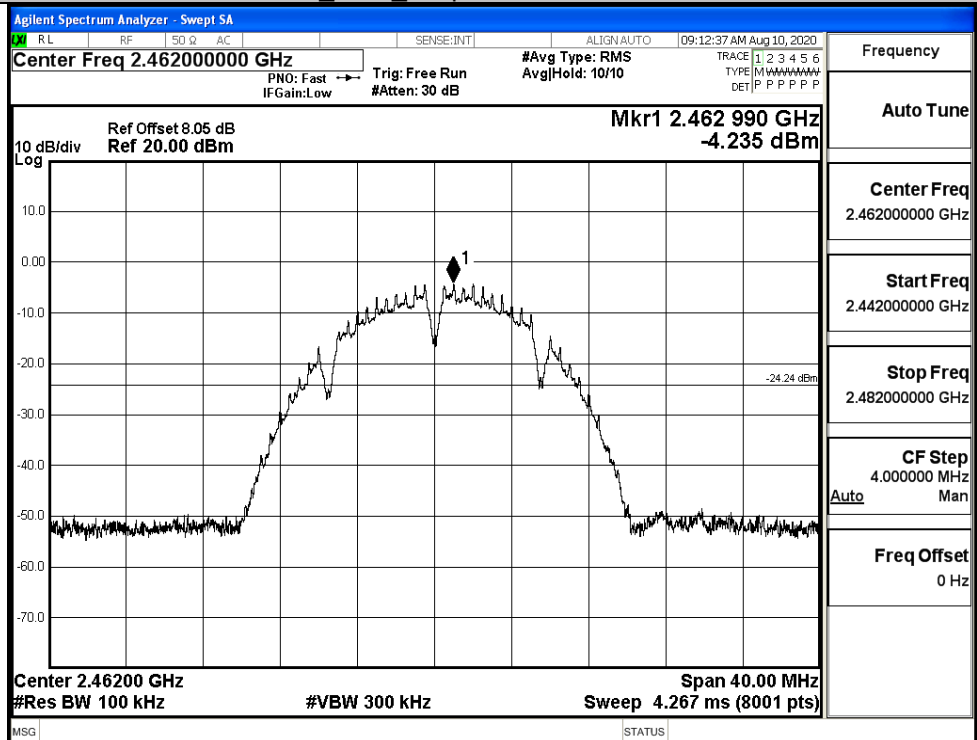


Puw/11B/MCH

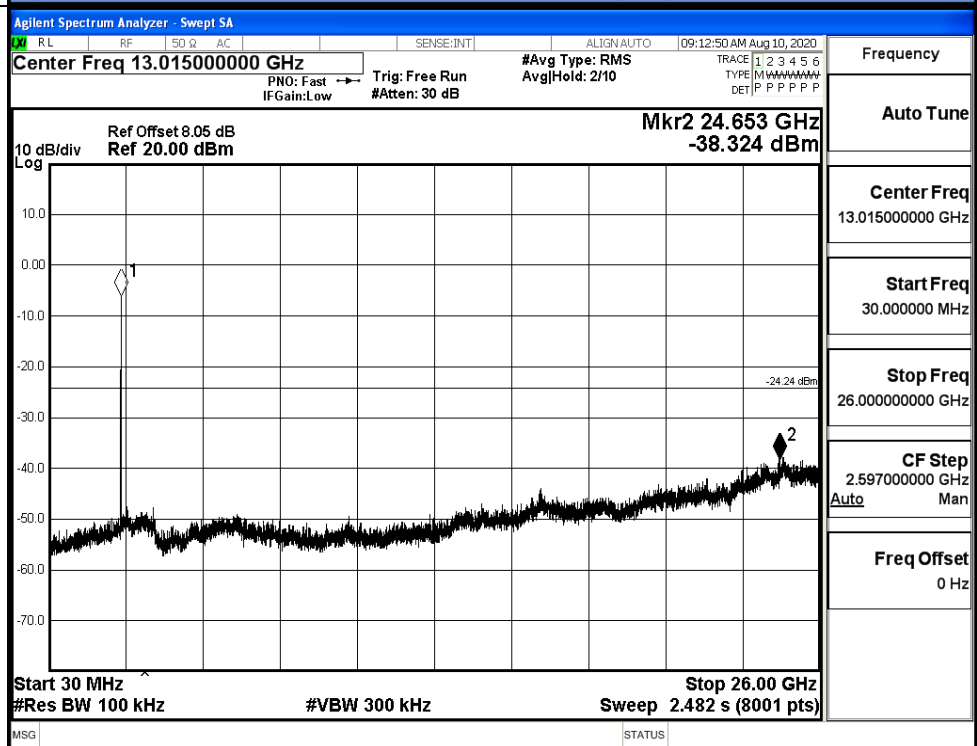


## 11B HCH Graphs

Pref/11B/HCH

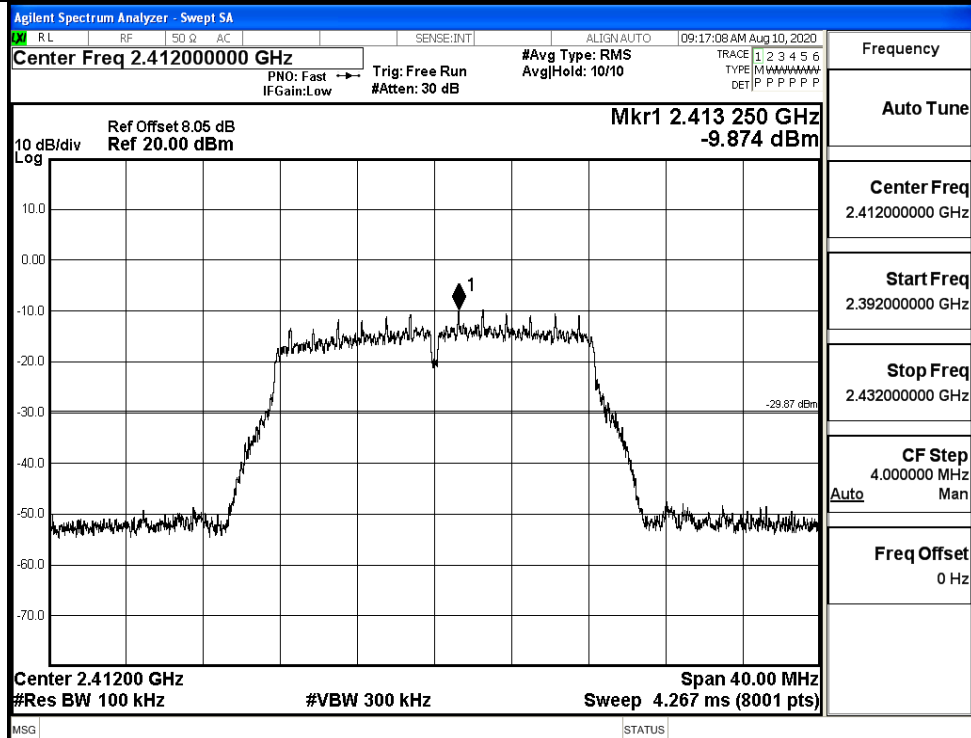


Puw/11B/HCH

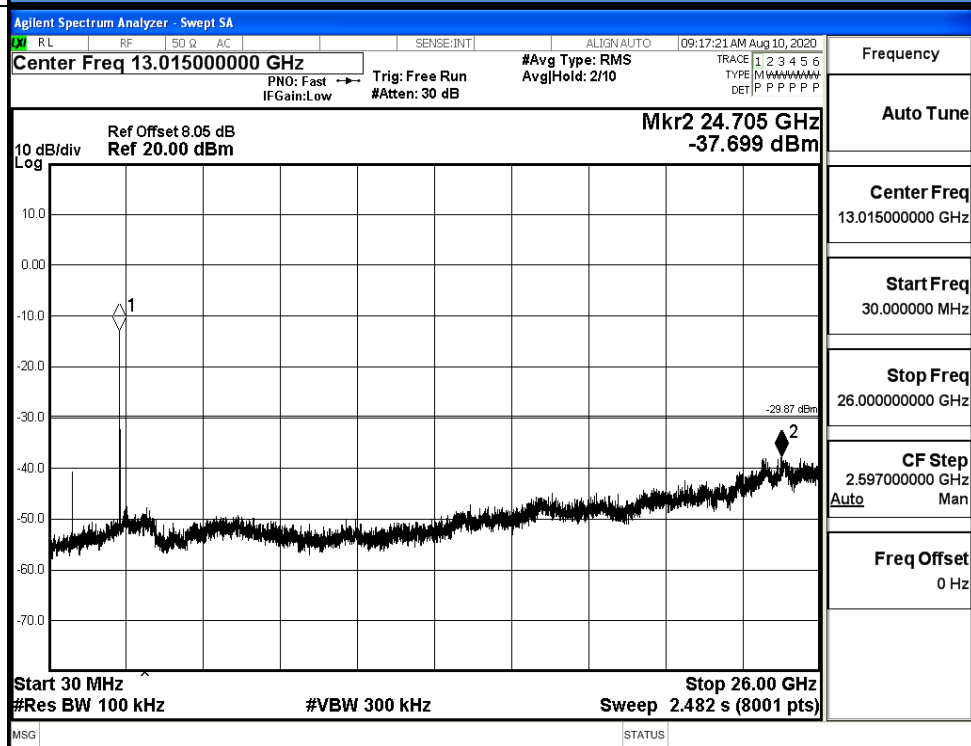


## 11G LCH Graphs

Pref/11G/LCH

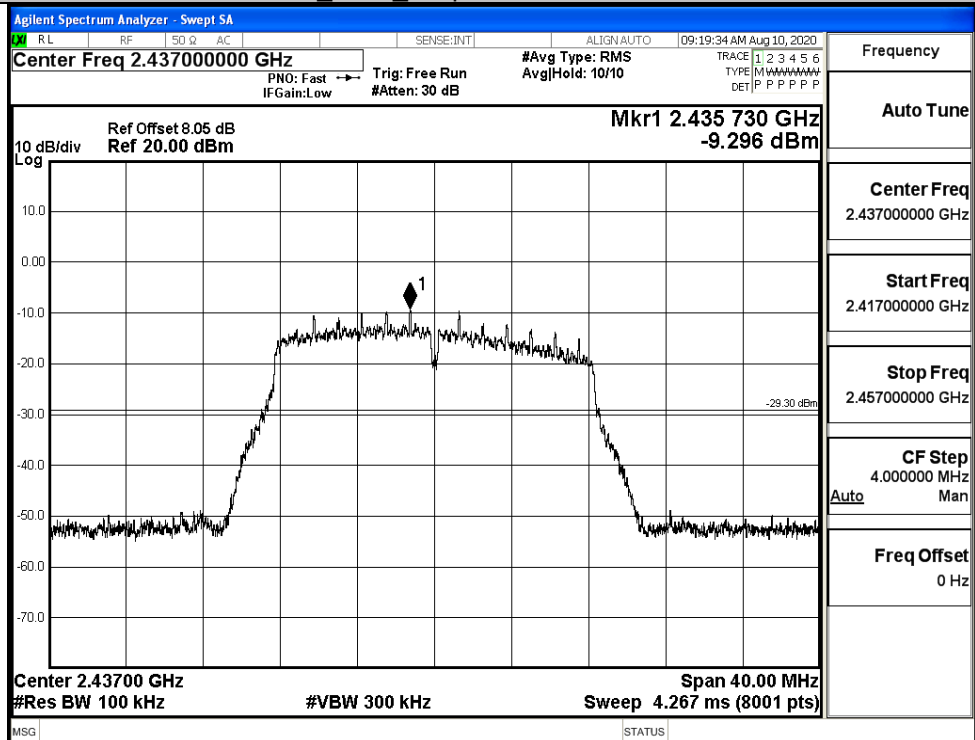


Puw/11G/LCH

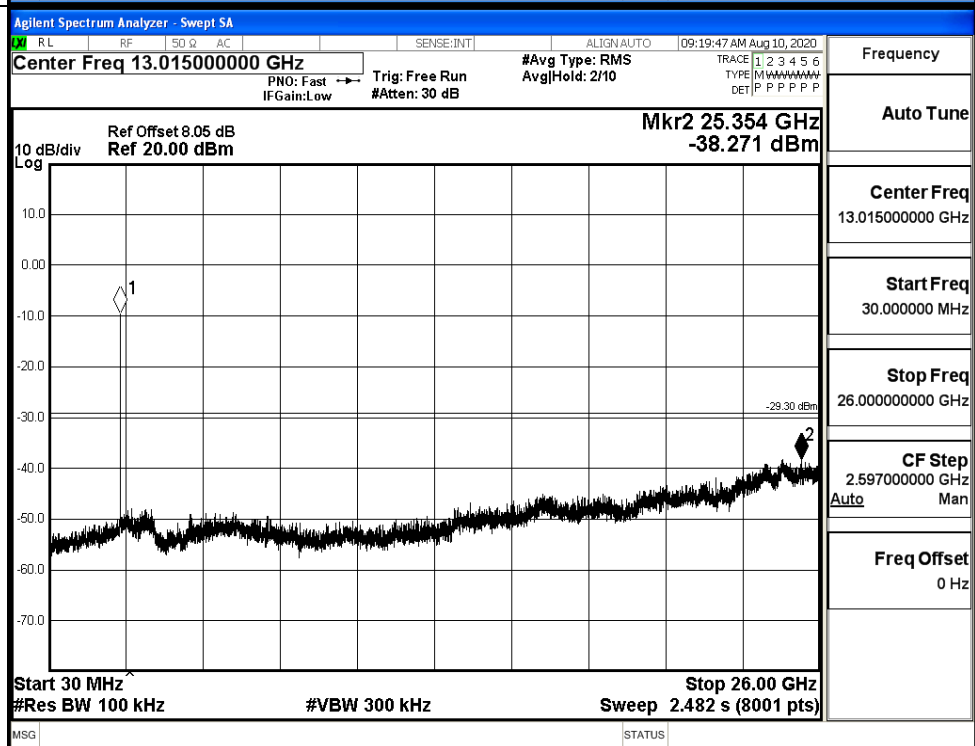


## 11G MCH Graphs

Pref/11G/MCH

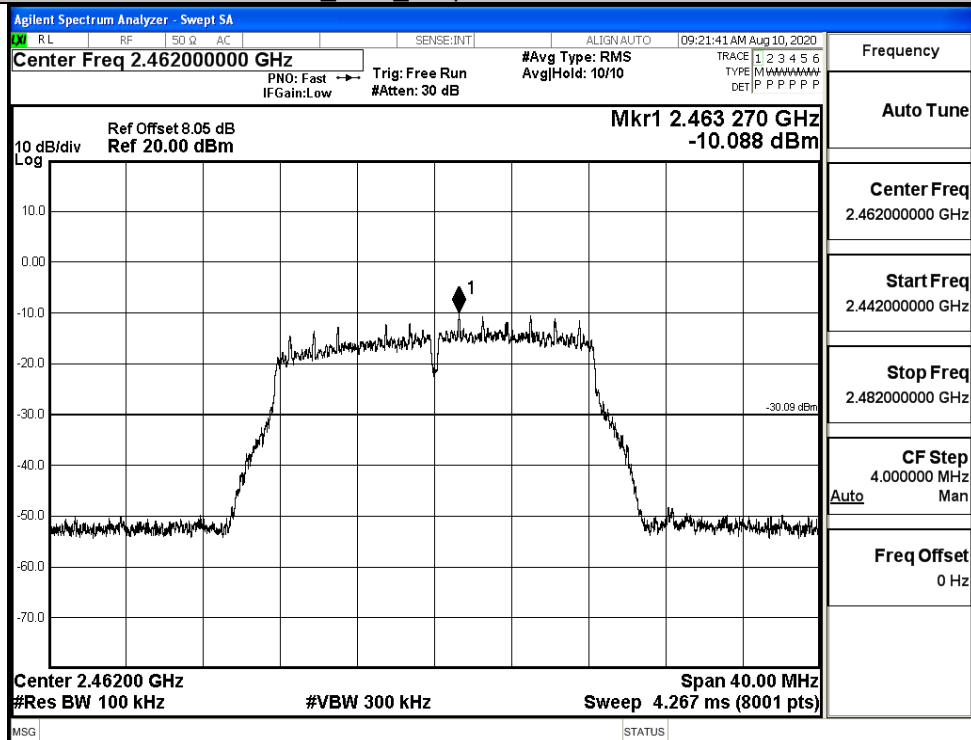


Puw/11G/MCH

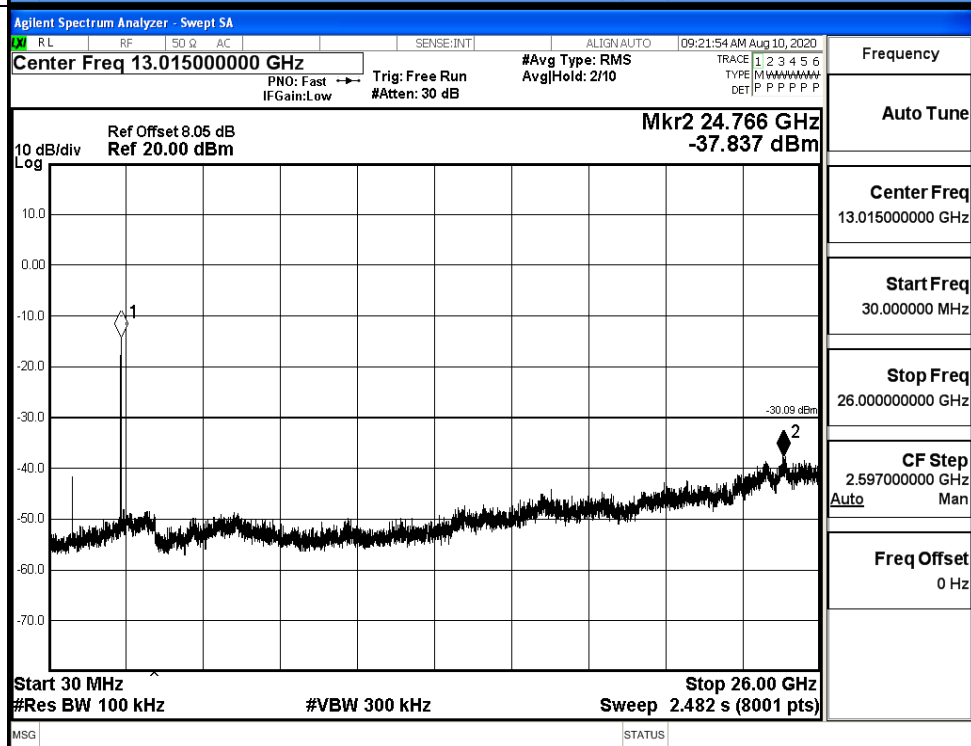


## 11G HCH Graphs

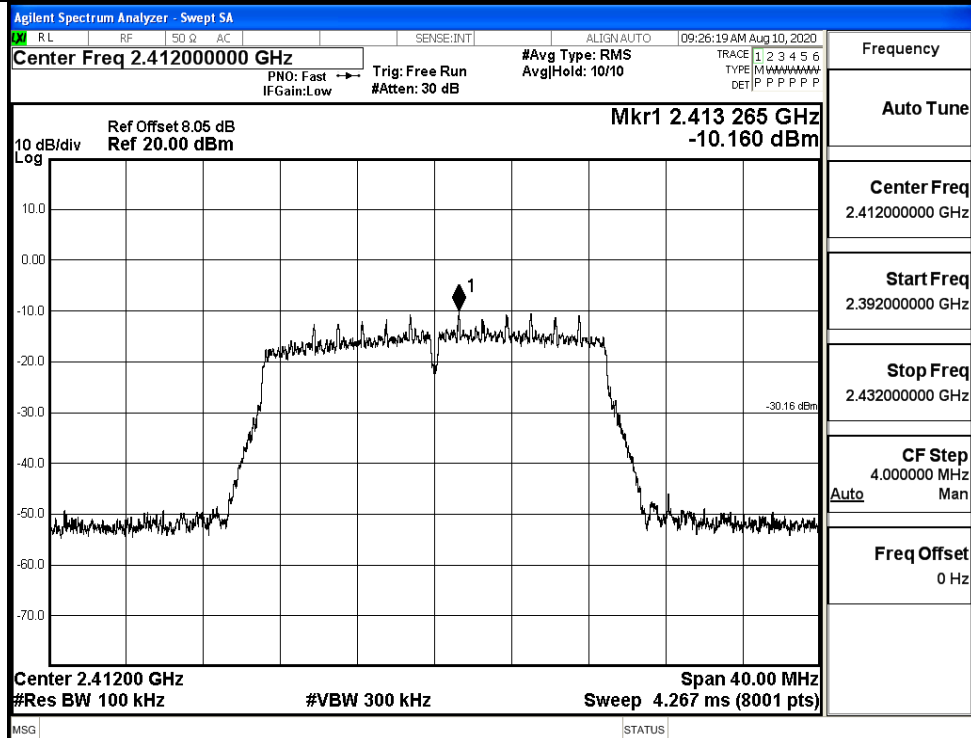
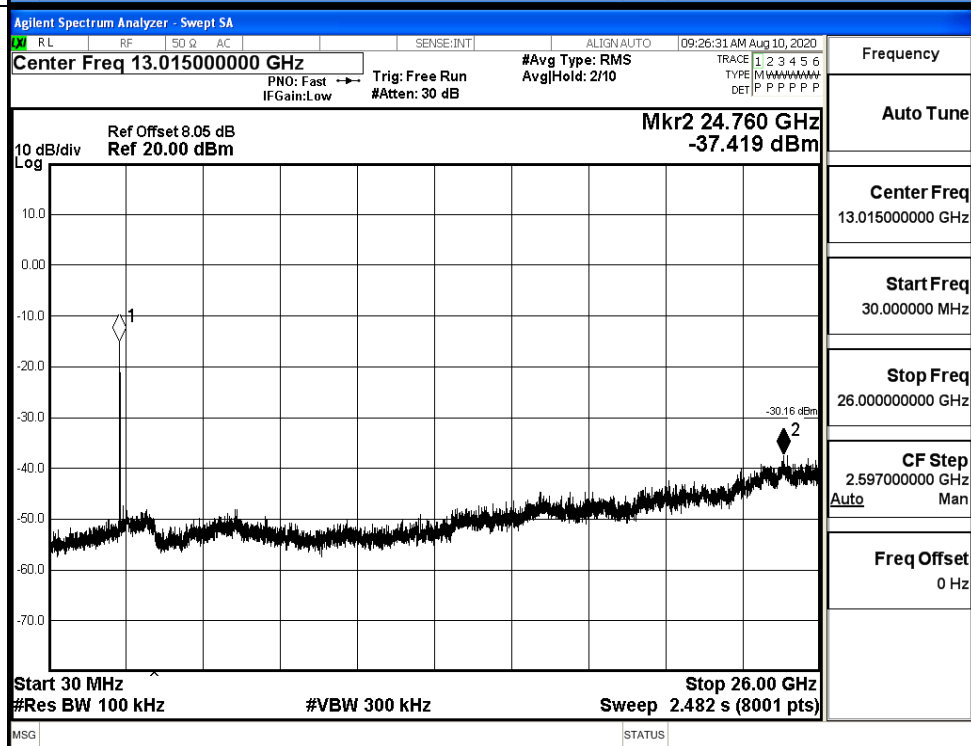
Pref/11G/HCH



Puw/11G/HCH

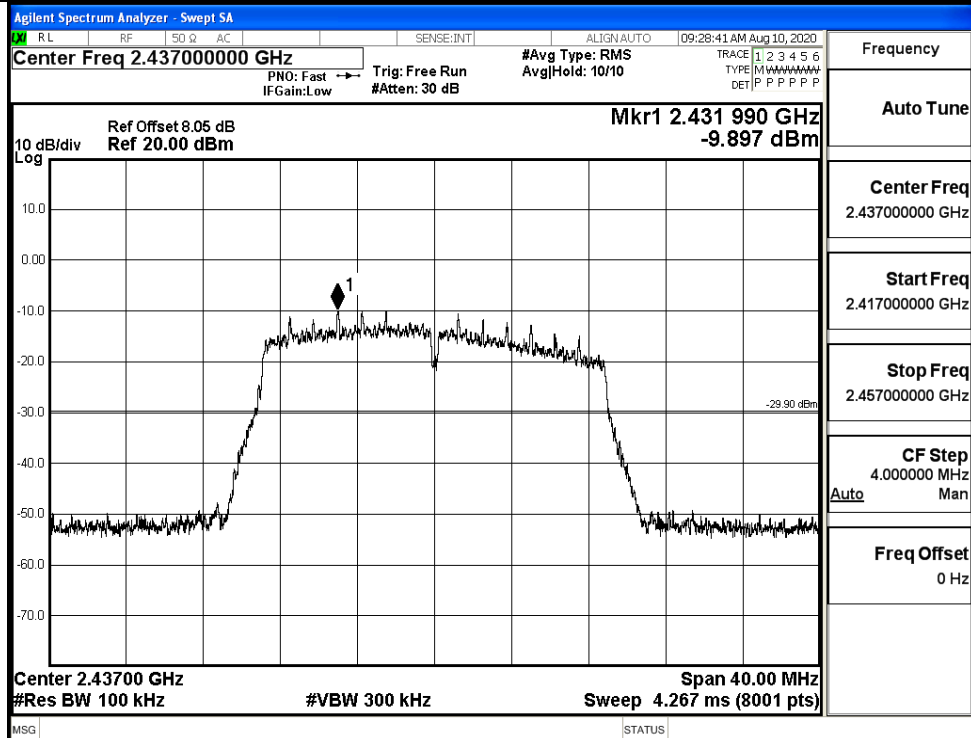
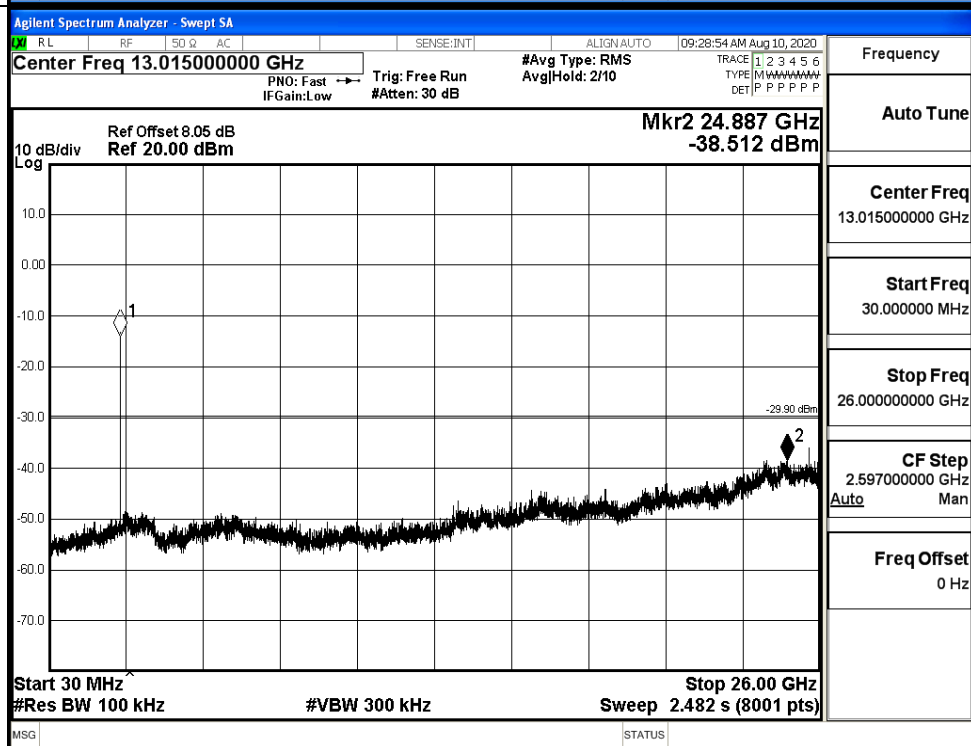


## 11N20SISO LCH Graphs

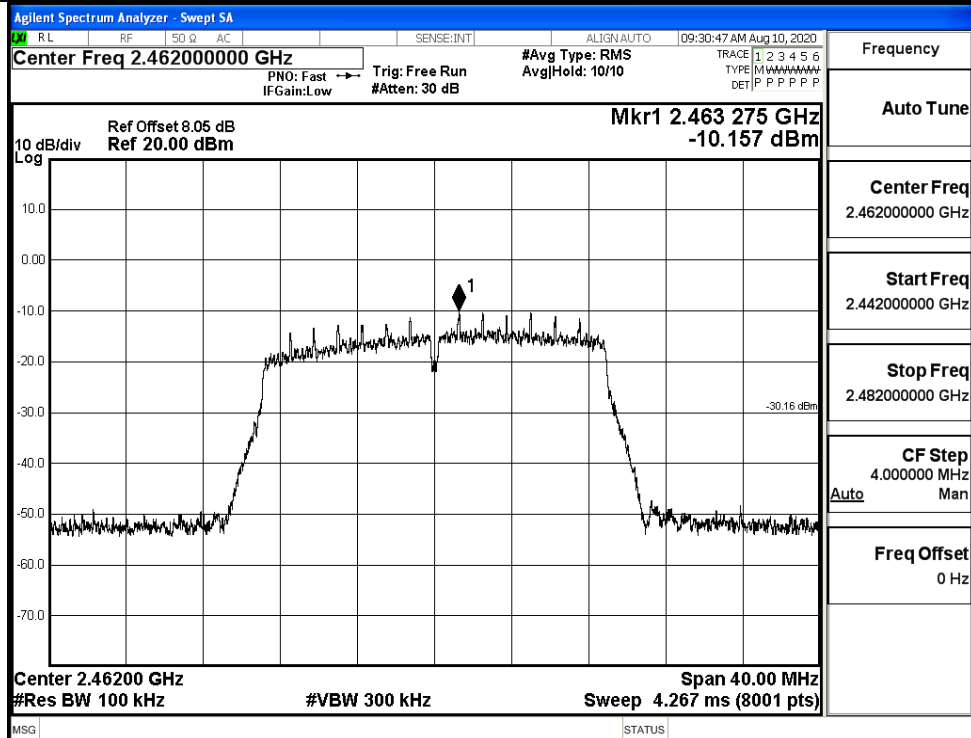
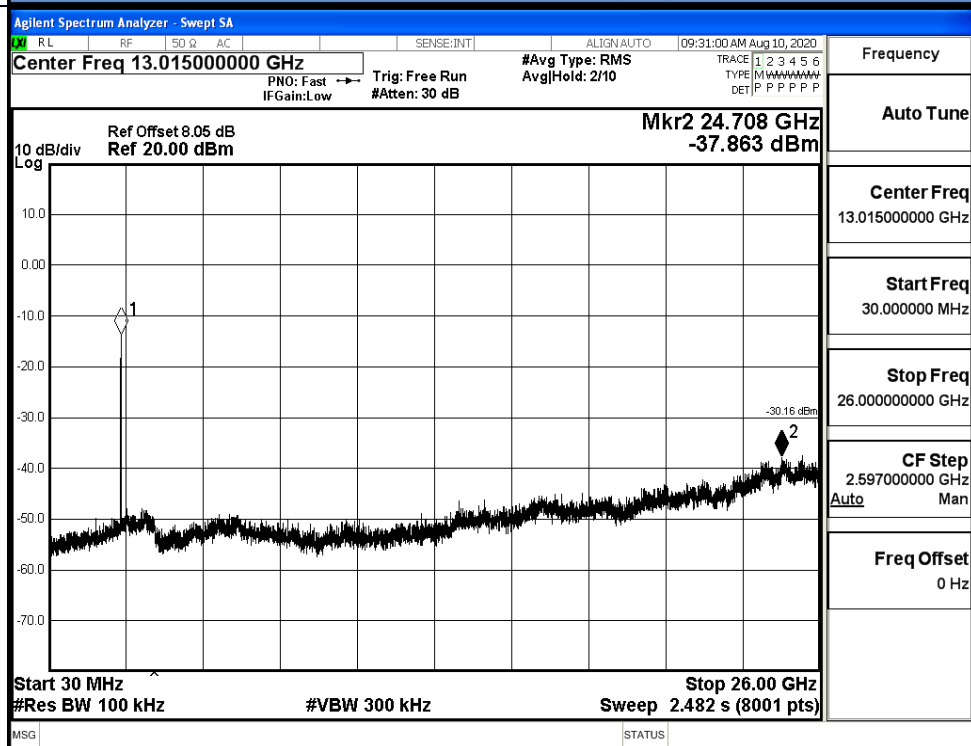
Pref/11N20SIS  
O/LCHPuw/11N20  
SISO/LCH



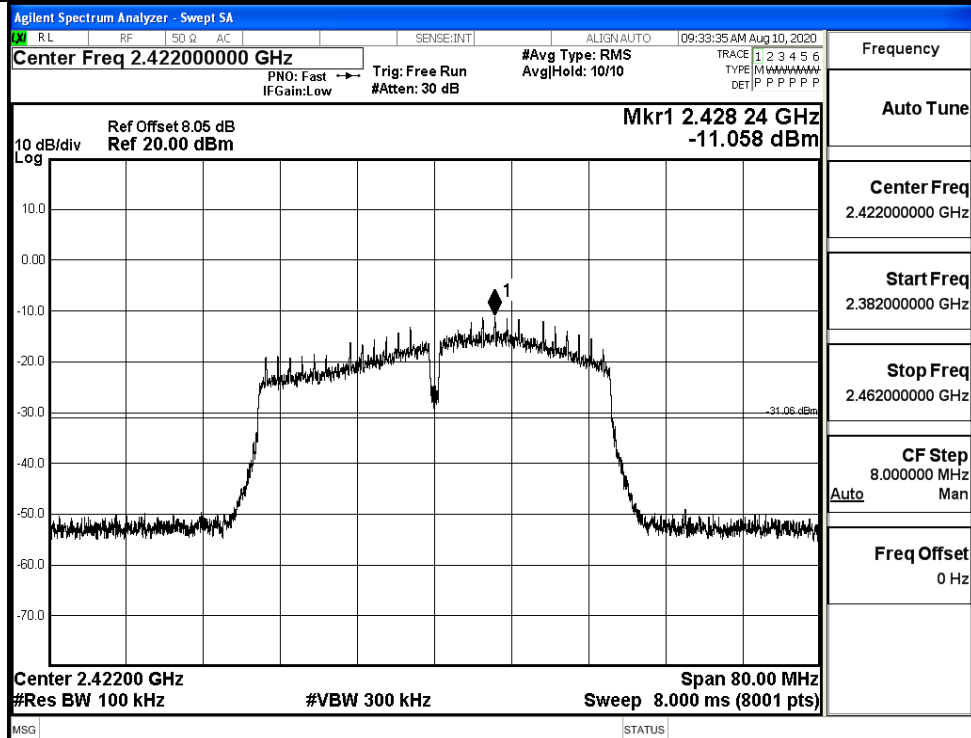
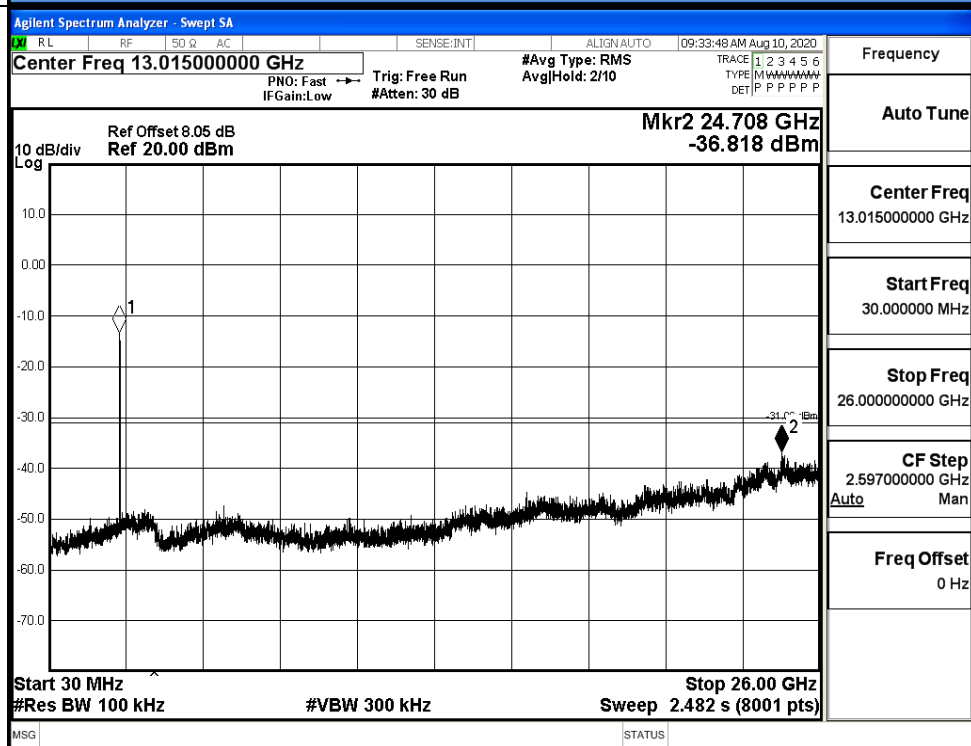
## 11N20SISO\_MCH\_Graphs

Pref/11N20  
SISO/MCHPuw/11N20  
SISO/MCH

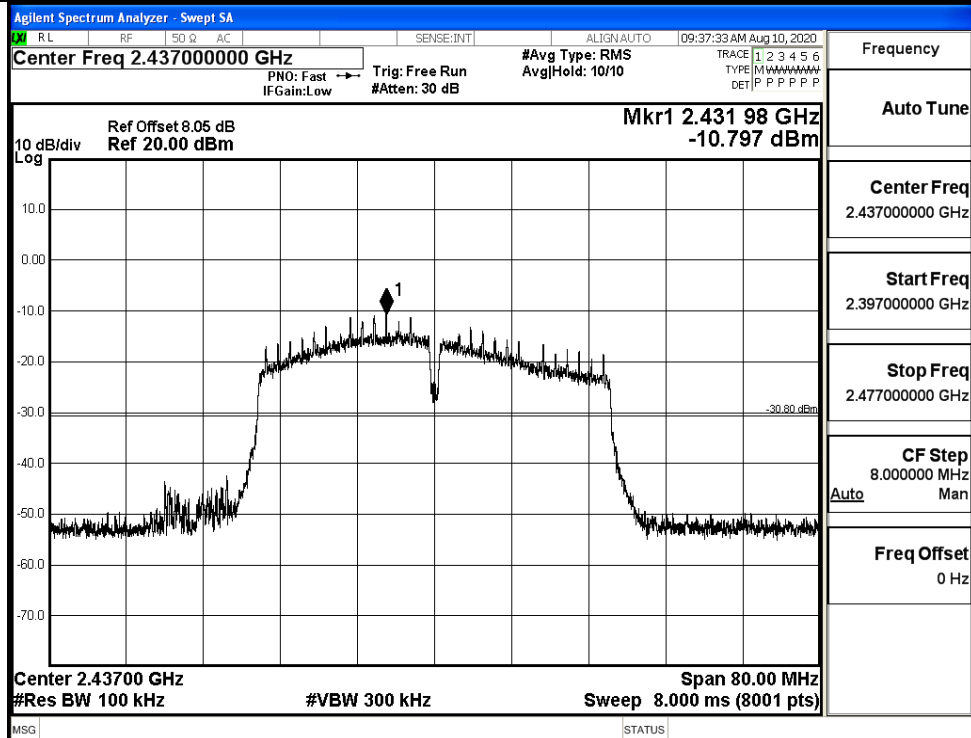
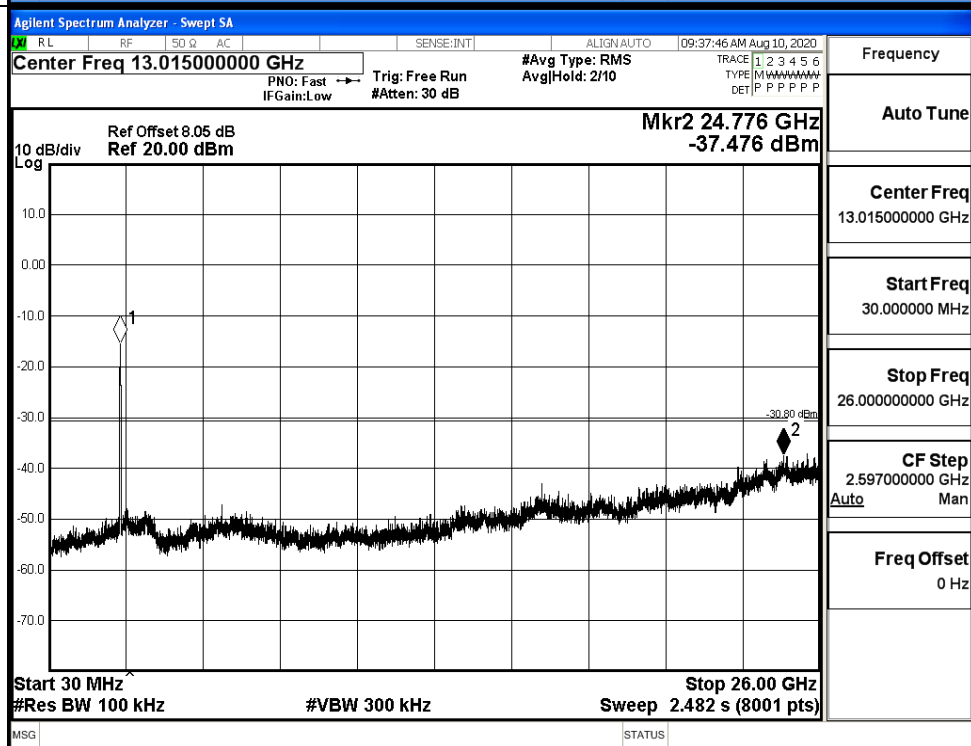
## 11N20SISO HCH Graphs

Pref/11N20  
SISO/HCHPuw/11N20  
SISO/HCH

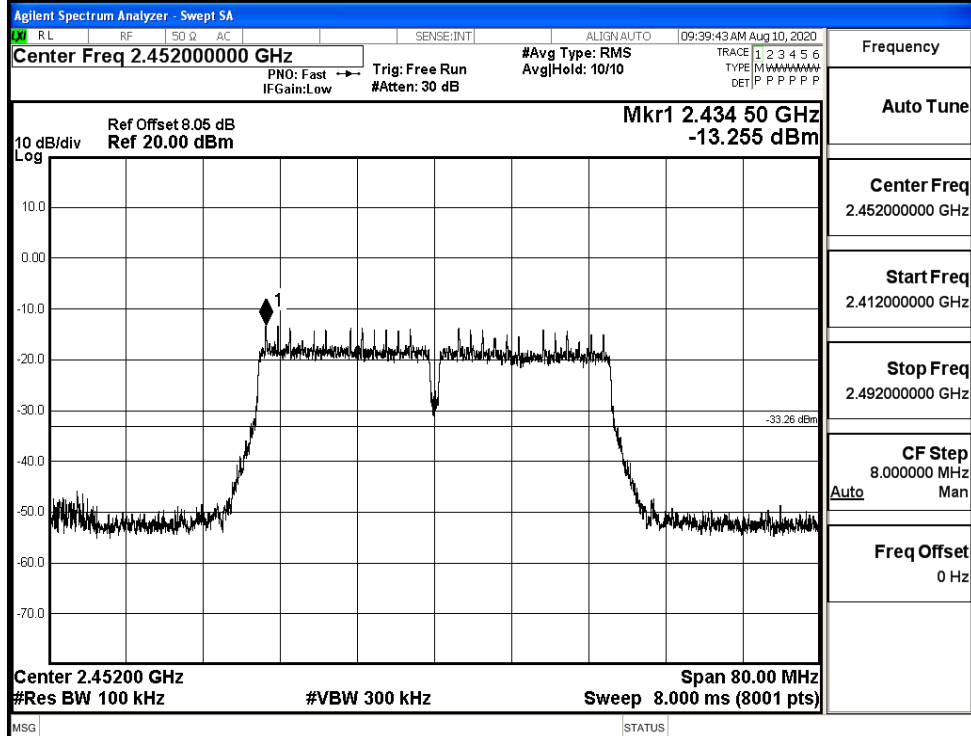
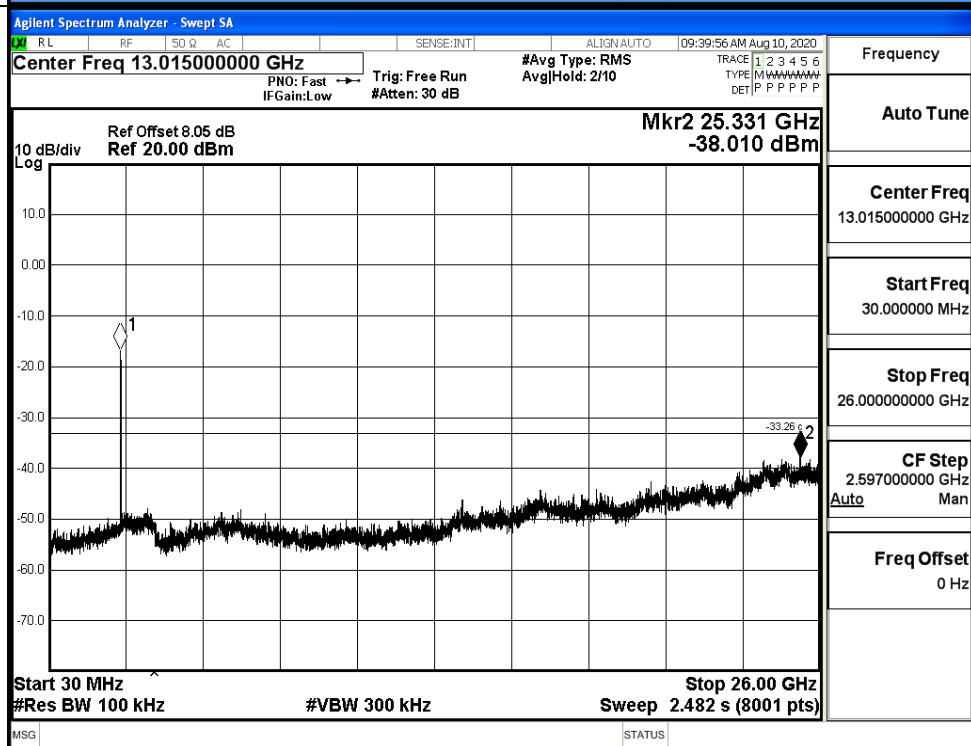
## 11N40SISO LCH Graphs

Pref/11N40  
SISO/LCHPuw/11N40  
SISO/LCH

## 11N40SISO\_MCH\_Graphs

Pref/11N40  
SISO/MCHPuw/11N40  
SISO/MCH

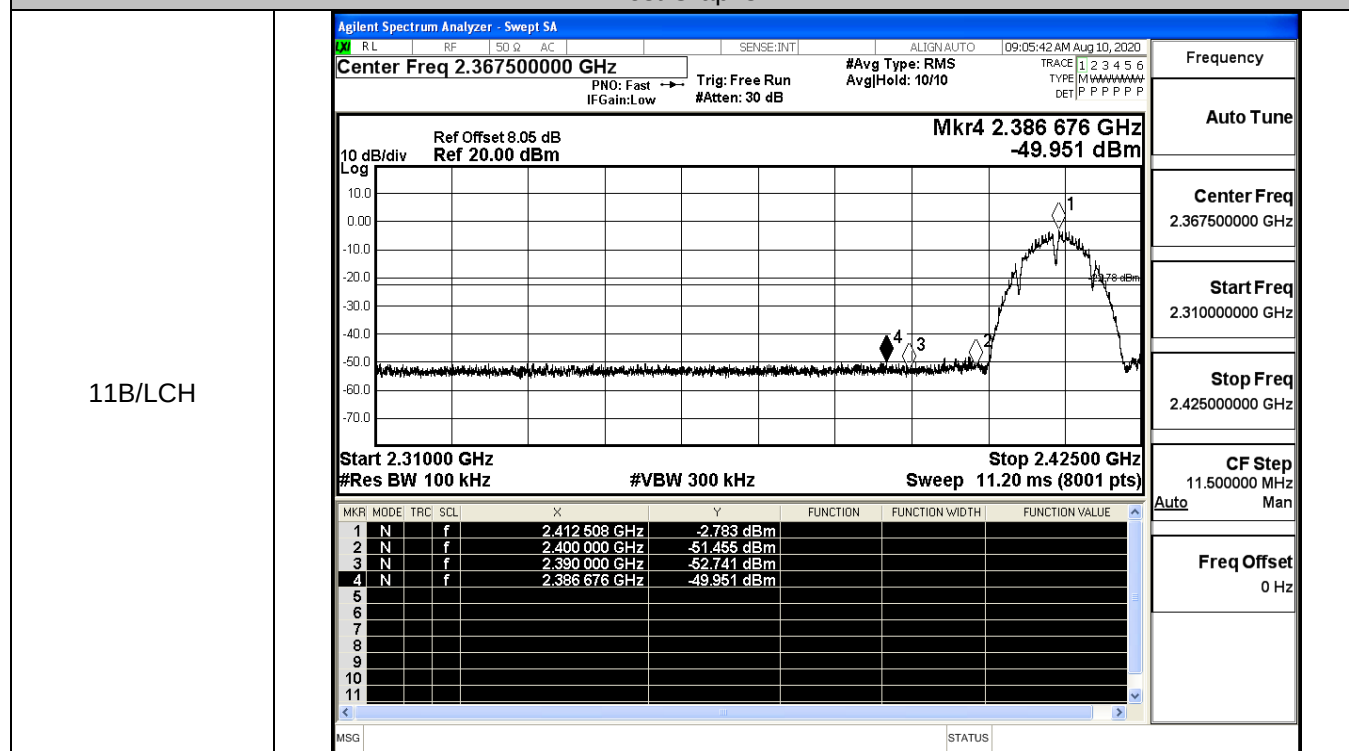
## 11N40SISO HCH Graphs

Pref/11N40  
SISO/HCHPuw/11N40  
SISO/HCH

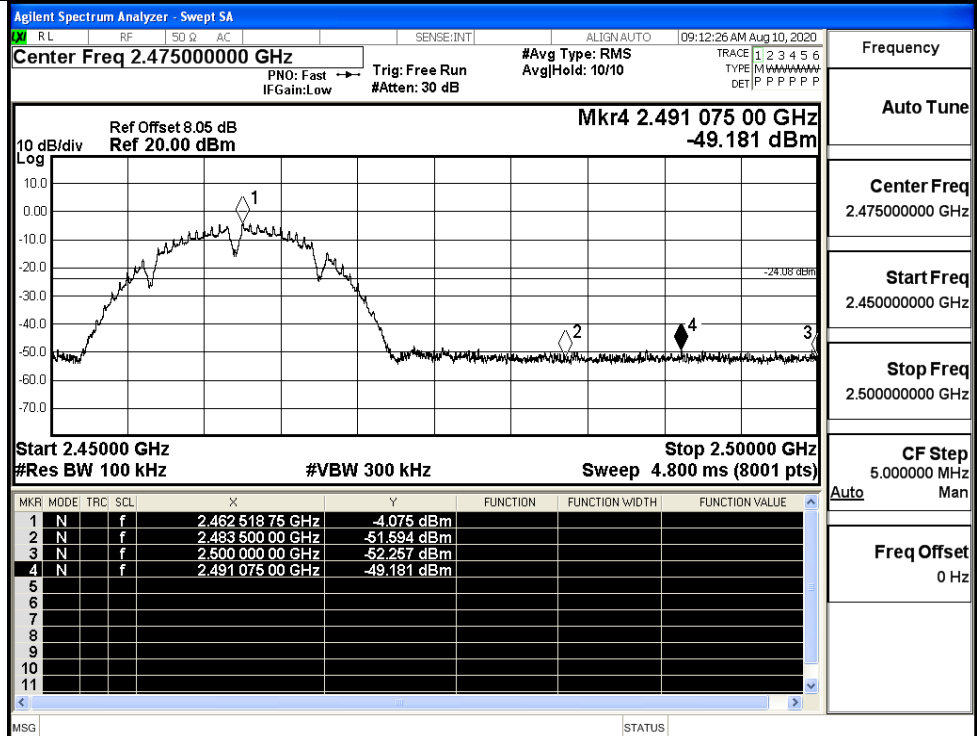
## B.6 Band-edge for RF Conducted Emissions

| Mode      | Channel | Carrier Power[dBm] | Max.Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------------------|--------------------------|-------------|---------|
| 11B       | LCH     | -2.783             | -49.951                  | -22.78      | PASS    |
|           | HCH     | -4.075             | -49.181                  | -24.08      | PASS    |
| 11G       | LCH     | -9.779             | -49.343                  | -29.78      | PASS    |
|           | HCH     | -10.069            | -48.662                  | -30.07      | PASS    |
| 11N20SISO | LCH     | -10.138            | -49.387                  | -30.14      | PASS    |
|           | HCH     | -10.106            | -48.696                  | -30.11      | PASS    |
| 11N40SISO | LCH     | -10.777            | -49.928                  | -30.78      | PASS    |
|           | HCH     | -13.641            | -49.033                  | -33.64      | PASS    |

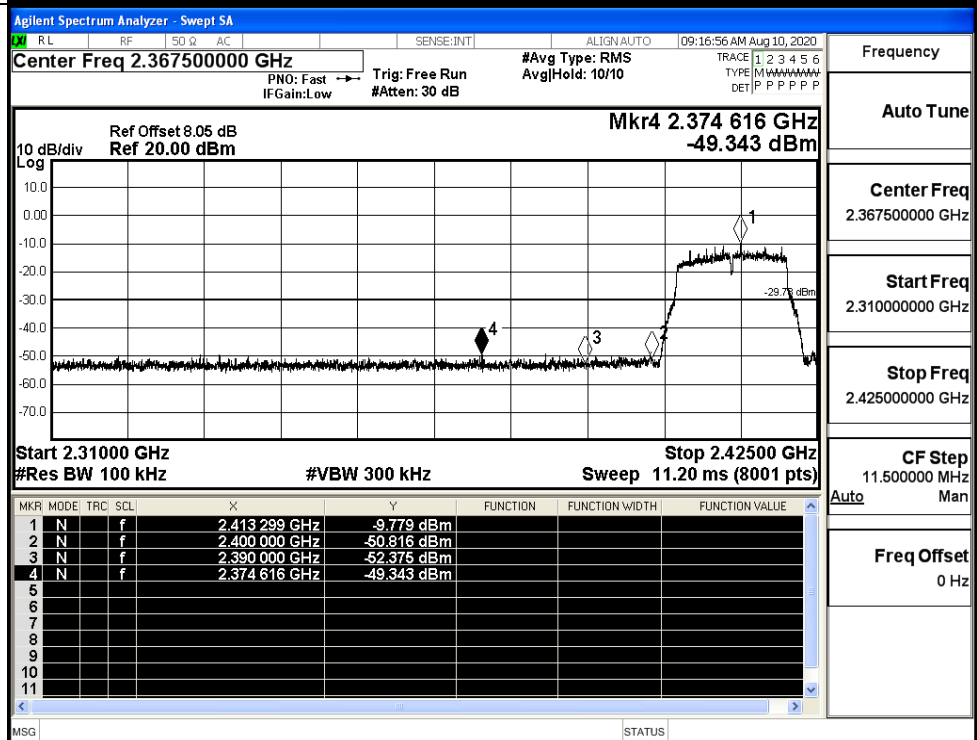
Test Graphs



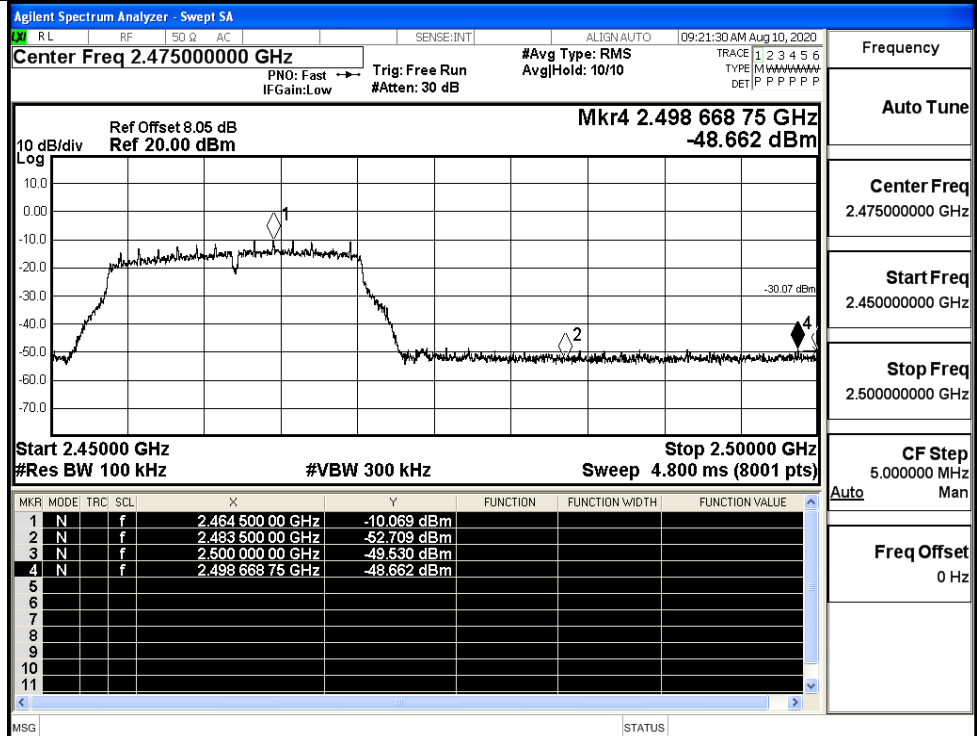
11B/HCH



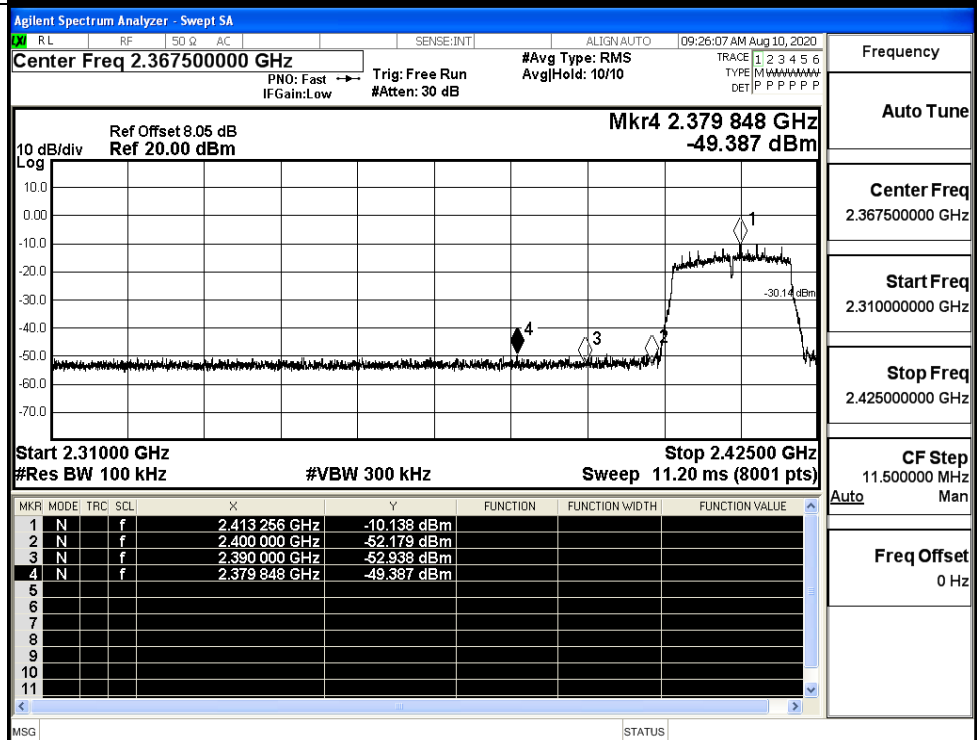
11G/LCH



11G/HCH

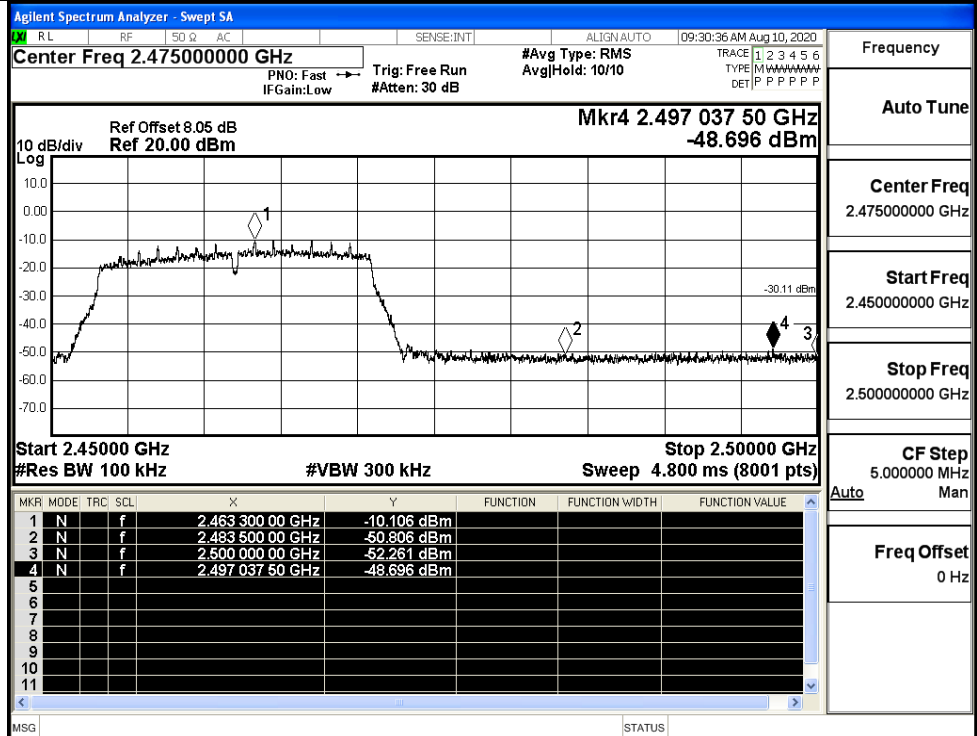


11N20SISO/LCH





11N20SISO/HCH



Frequency

Auto Tune

Center Freq

2.475000000 GHz

Start Freq

2.450000000 GHz

Stop Freq

2.500000000 GHz

CF Step

5.000000 MHz

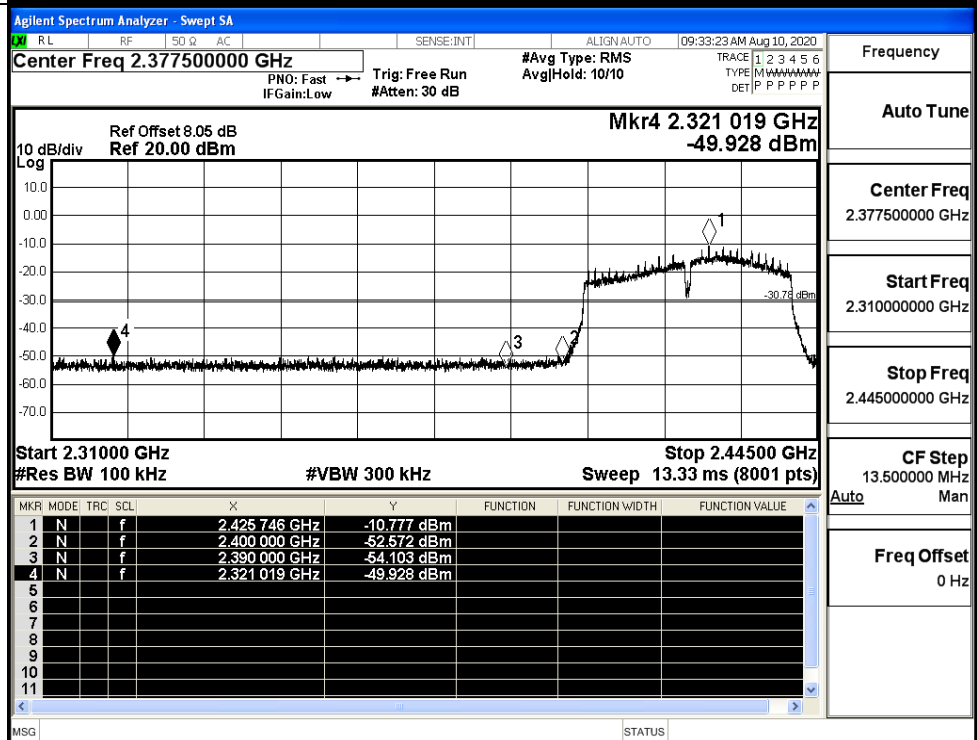
Auto

Man

Freq Offset

0 Hz

11N40SISO/LCH



Frequency

Auto Tune

Center Freq

2.377500000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.445000000 GHz

CF Step

13.500000 MHz

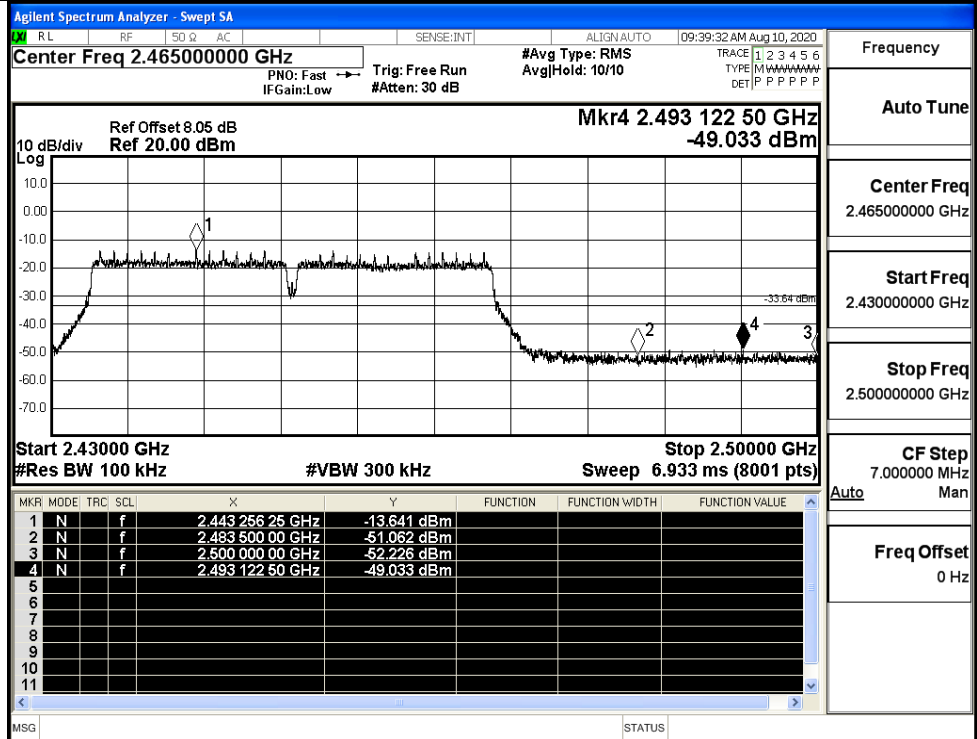
Auto

Man

Freq Offset

0 Hz

11N40SISO/HCH

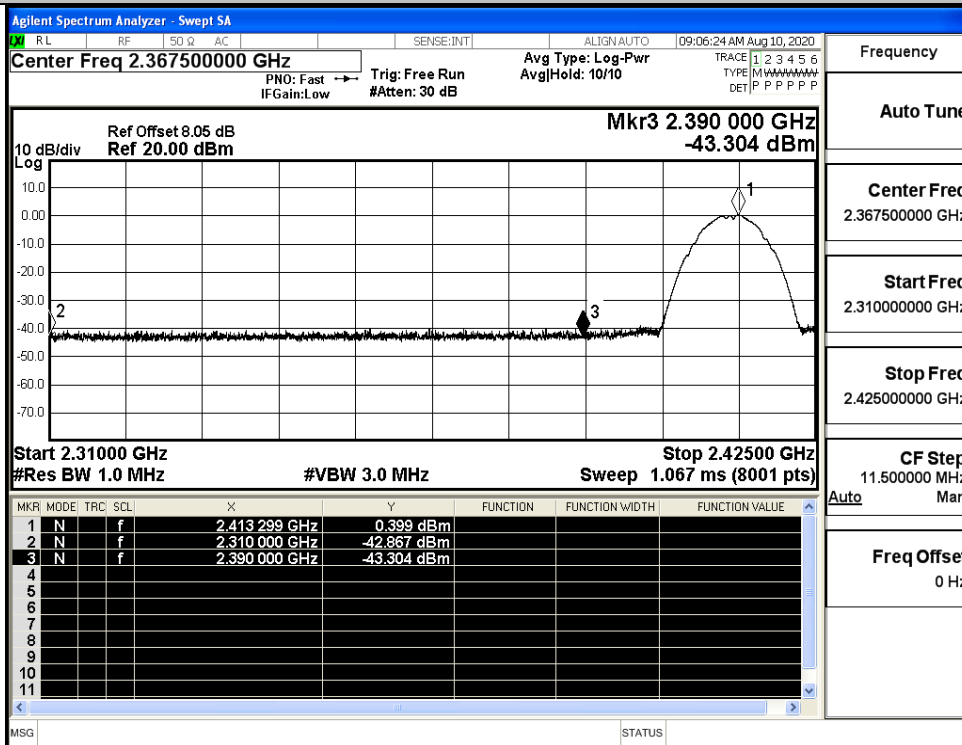


## B.7 Restrict-band band-edge measurements

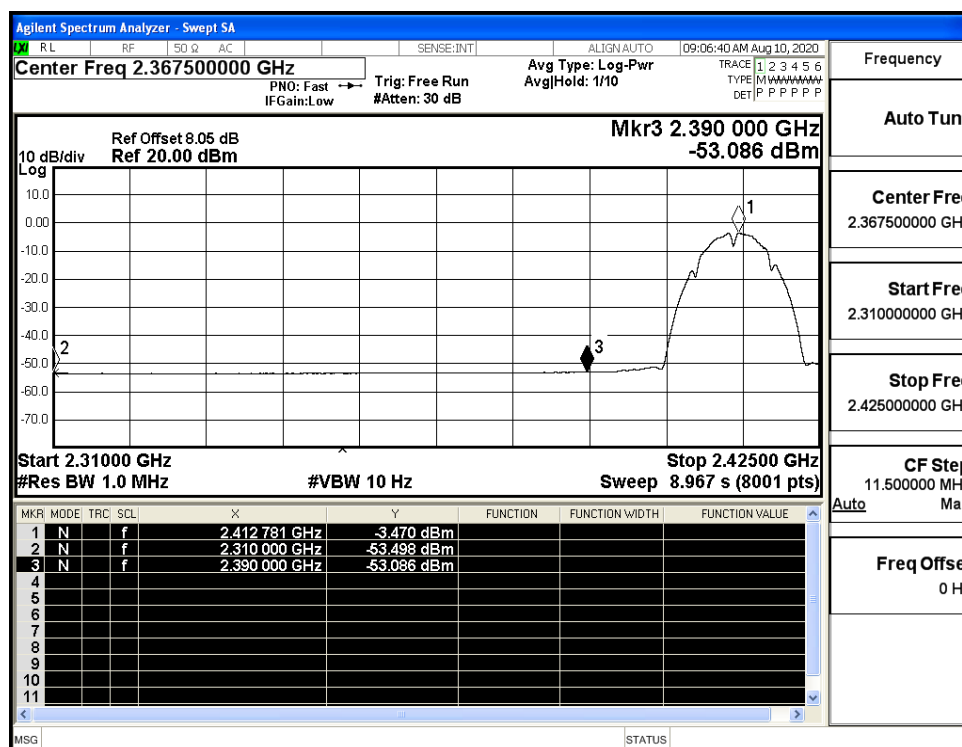
| Test Mode  | Test Channel | Ant  | Freq.  | Power [dBm] | Gain | Ground Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|------------|--------------|------|--------|-------------|------|---------------|------------|----------|----------------|---------|
| 11B        | 2412         | Ant1 | 2310.0 | -42.87      | 2.0  | 0             | 52.39      | PEAK     | 74             | PASS    |
|            | 2412         | Ant1 | 2310.0 | -53.50      | 2.0  | 0             | 41.76      | AV       | 54             | PASS    |
|            | 2412         | Ant1 | 2390.0 | -43.30      | 2.0  | 0             | 51.95      | PEAK     | 74             | PASS    |
|            | 2412         | Ant1 | 2390.0 | -53.09      | 2.0  | 0             | 42.17      | AV       | 54             | PASS    |
|            | 2462         | Ant1 | 2483.5 | -42.11      | 2.0  | 0             | 53.15      | PEAK     | 74             | PASS    |
|            | 2462         | Ant1 | 2483.5 | -52.67      | 2.0  | 0             | 42.59      | AV       | 54             | PASS    |
|            | 2462         | Ant1 | 2500.0 | -41.96      | 2.0  | 0             | 53.29      | PEAK     | 74             | PASS    |
|            | 2462         | Ant1 | 2500.0 | -52.43      | 2.0  | 0             | 42.83      | AV       | 54             | PASS    |
| 11G        | 2412         | Ant1 | 2310.0 | -43.52      | 2.0  | 0             | 51.74      | PEAK     | 74             | PASS    |
|            | 2412         | Ant1 | 2310.0 | -53.49      | 2.0  | 0             | 41.77      | AV       | 54             | PASS    |
|            | 2412         | Ant1 | 2390.0 | -41.98      | 2.0  | 0             | 53.28      | PEAK     | 74             | PASS    |
|            | 2412         | Ant1 | 2390.0 | -53.03      | 2.0  | 0             | 42.23      | AV       | 54             | PASS    |
|            | 2462         | Ant1 | 2483.5 | -41.24      | 2.0  | 0             | 54.02      | PEAK     | 74             | PASS    |
|            | 2462         | Ant1 | 2483.5 | -52.65      | 2.0  | 0             | 42.61      | AV       | 54             | PASS    |
|            | 2462         | Ant1 | 2500.0 | -42.06      | 2.0  | 0             | 53.20      | PEAK     | 74             | PASS    |
|            | 2462         | Ant1 | 2500.0 | -52.43      | 2.0  | 0             | 42.83      | AV       | 54             | PASS    |
| 11N20 SISO | 2412         | Ant1 | 2310.0 | -42.16      | 2.0  | 0             | 53.10      | PEAK     | 74             | PASS    |
|            | 2412         | Ant1 | 2310.0 | -53.48      | 2.0  | 0             | 41.77      | AV       | 54             | PASS    |
|            | 2412         | Ant1 | 2390.0 | -43.44      | 2.0  | 0             | 51.82      | PEAK     | 74             | PASS    |
|            | 2412         | Ant1 | 2390.0 | -53.04      | 2.0  | 0             | 42.22      | AV       | 54             | PASS    |
|            | 2462         | Ant1 | 2483.5 | -42.72      | 2.0  | 0             | 52.54      | PEAK     | 74             | PASS    |
|            | 2462         | Ant1 | 2483.5 | -52.59      | 2.0  | 0             | 42.67      | AV       | 54             | PASS    |
|            | 2462         | Ant1 | 2500.0 | -41.62      | 2.0  | 0             | 53.64      | PEAK     | 74             | PASS    |
|            | 2462         | Ant1 | 2500.0 | -52.40      | 2.0  | 0             | 42.86      | AV       | 54             | PASS    |
| 11N40 SISO | 2422         | Ant1 | 2310.0 | -42.27      | 2.0  | 0             | 52.99      | PEAK     | 74             | PASS    |
|            | 2422         | Ant1 | 2310.0 | -53.44      | 2.0  | 0             | 41.81      | AV       | 54             | PASS    |

|  |      |      |        |        |     |   |       |      |    |      |
|--|------|------|--------|--------|-----|---|-------|------|----|------|
|  | 2422 | Ant1 | 2390.0 | -40.90 | 2.0 | 0 | 54.36 | PEAK | 74 | PASS |
|  | 2422 | Ant1 | 2390.0 | -52.98 | 2.0 | 0 | 42.28 | AV   | 54 | PASS |
|  | 2452 | Ant1 | 2483.5 | -41.39 | 2.0 | 0 | 53.87 | PEAK | 74 | PASS |
|  | 2452 | Ant1 | 2483.5 | -52.51 | 2.0 | 0 | 42.75 | AV   | 54 | PASS |
|  | 2452 | Ant1 | 2500.0 | -41.23 | 2.0 | 0 | 54.03 | PEAK | 74 | PASS |
|  | 2452 | Ant1 | 2500.0 | -52.40 | 2.0 | 0 | 42.86 | AV   | 54 | PASS |

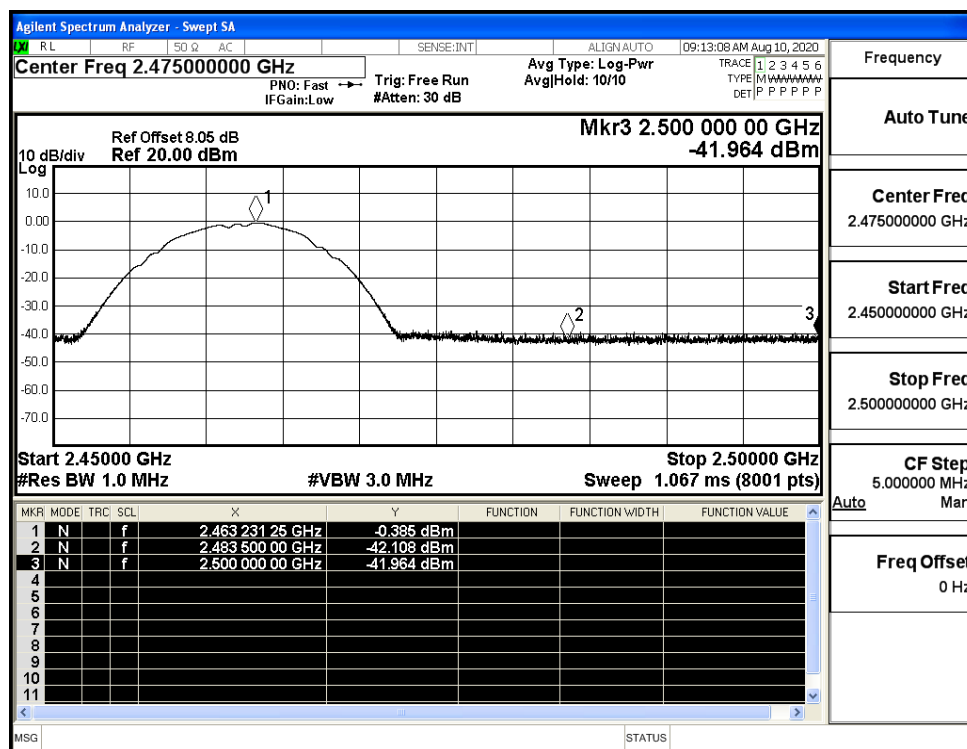
## Restrict-band band-edge measurements\_11B\_2412\_Ant1\_PEAK



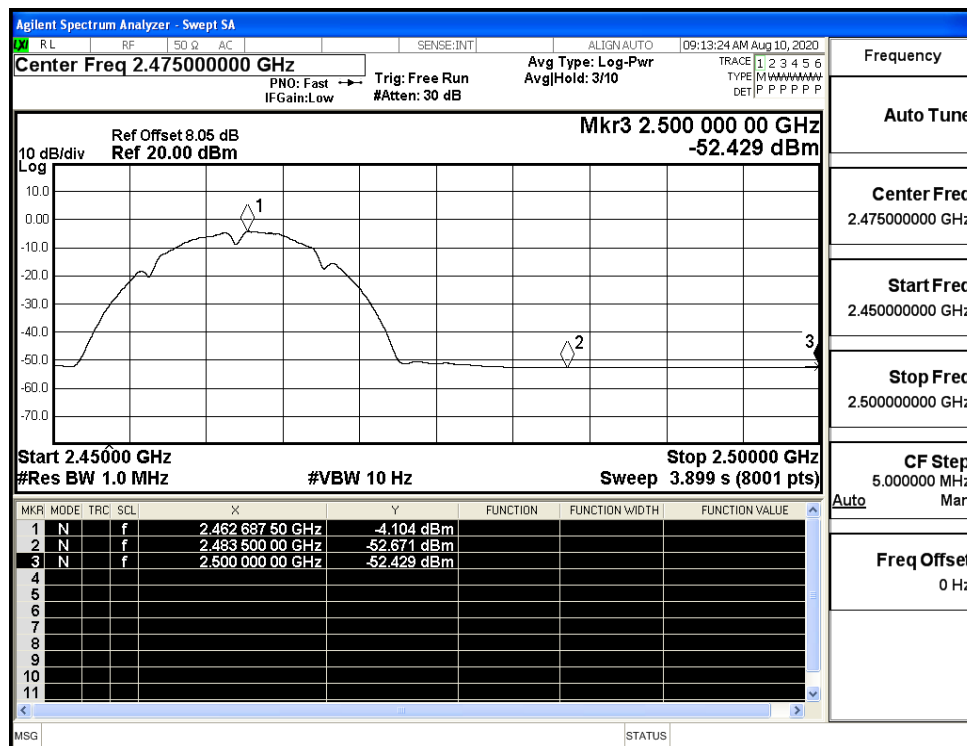
## Restrict-band band-edge measurements\_11B\_2412\_Ant1\_AV



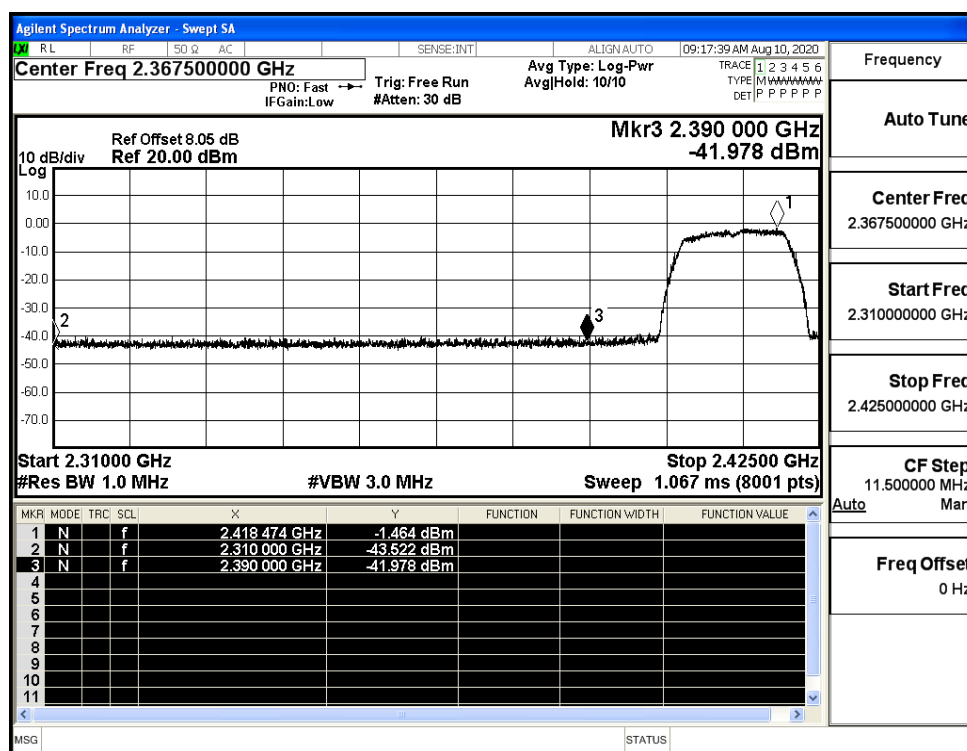
## Restrict-band band-edge measurements\_11B\_2462\_Ant1\_PEAK



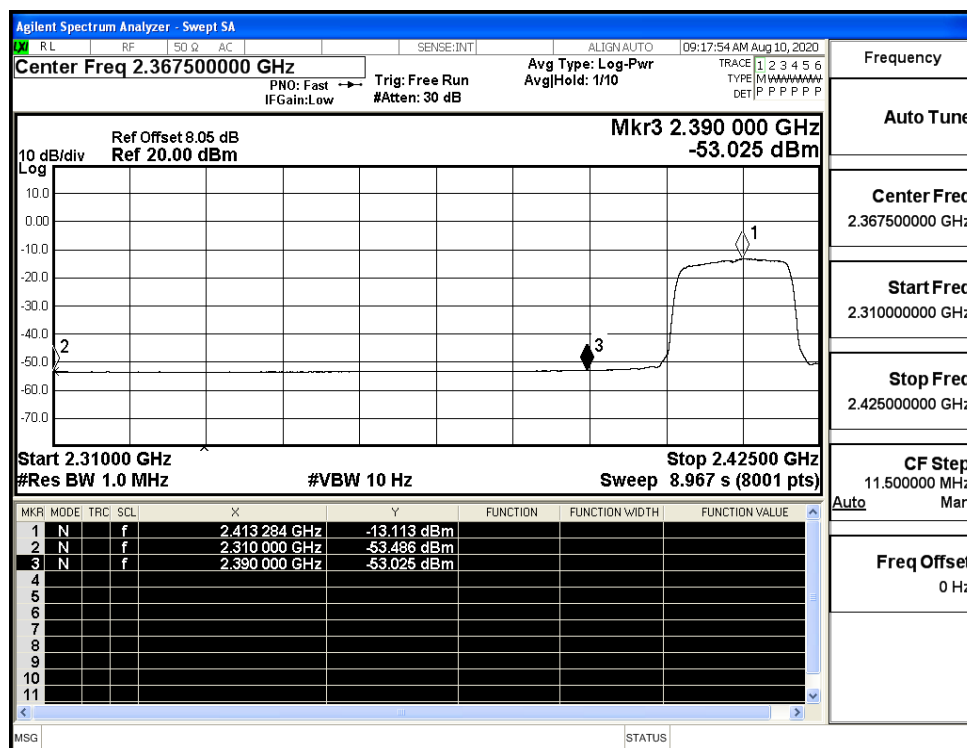
## Restrict-band band-edge measurements\_11B\_2462\_Ant1\_AV



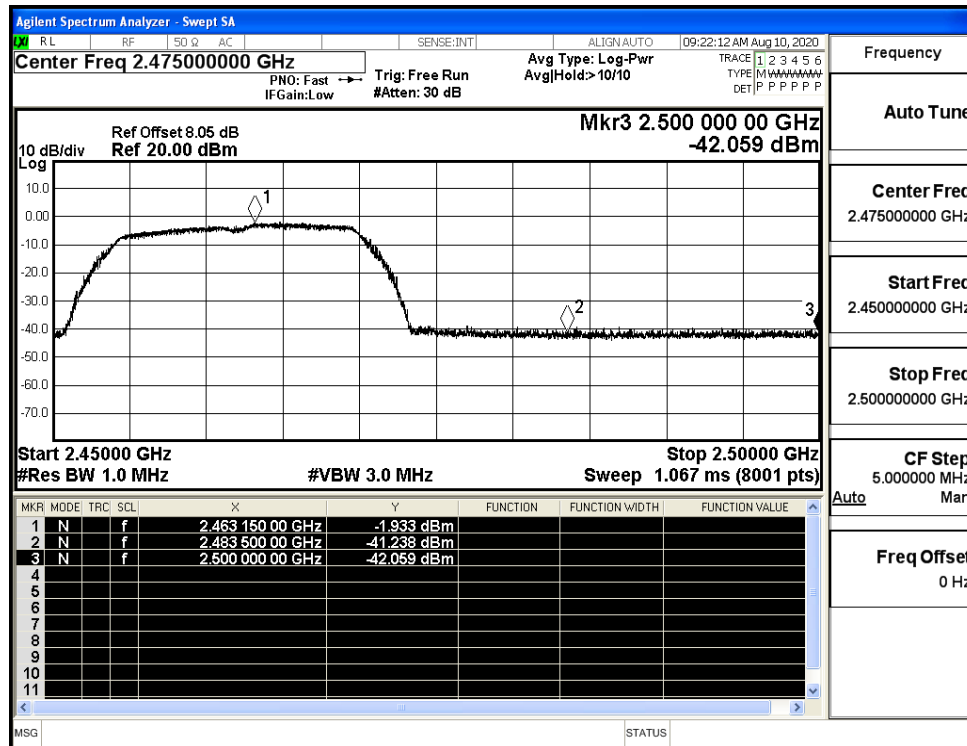
## Restrict-band band-edge measurements\_11G\_2412\_Ant1\_PEAK



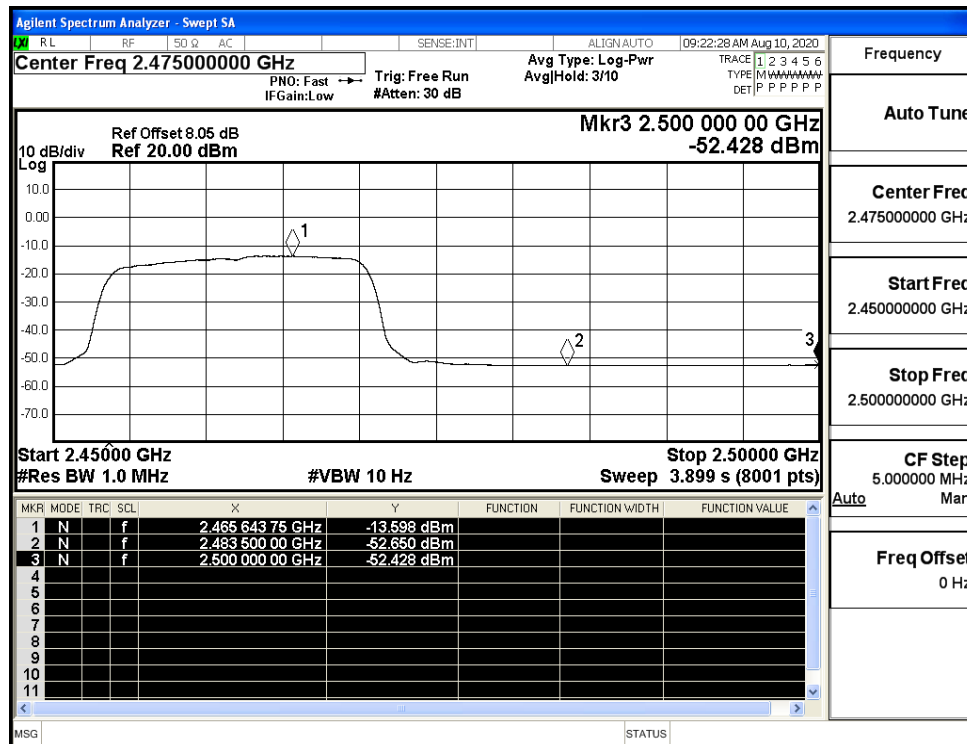
## Restrict-band band-edge measurements\_11G\_2412\_Ant1\_AV



## Restrict-band band-edge measurements\_11G\_2462\_Ant1\_PEAK

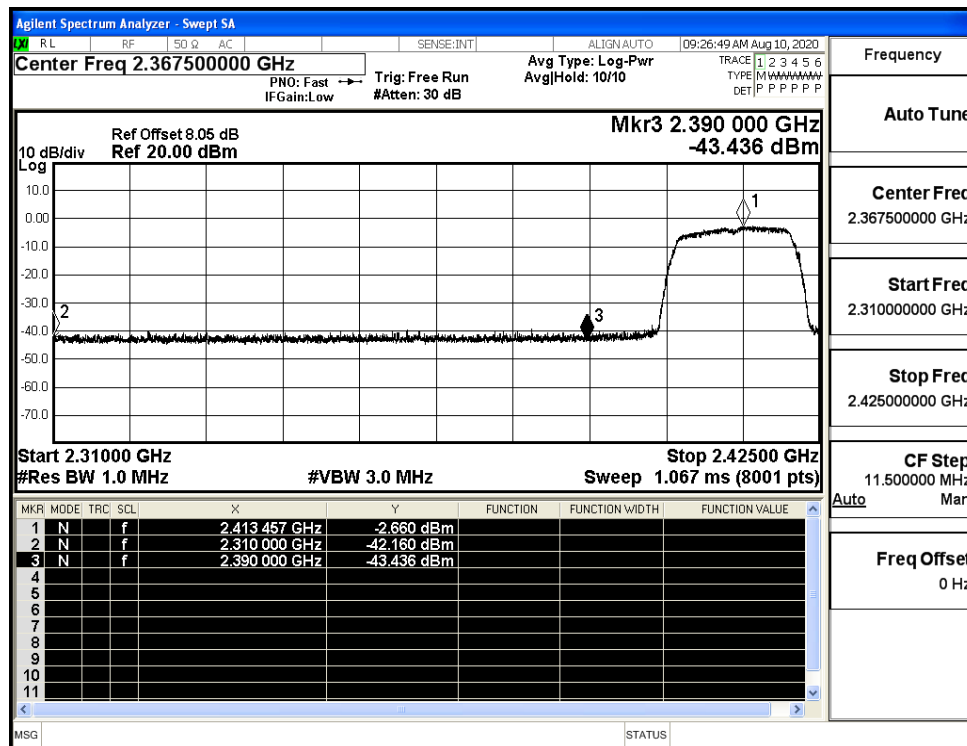


## Restrict-band band-edge measurements\_11G\_2462\_Ant1\_AV

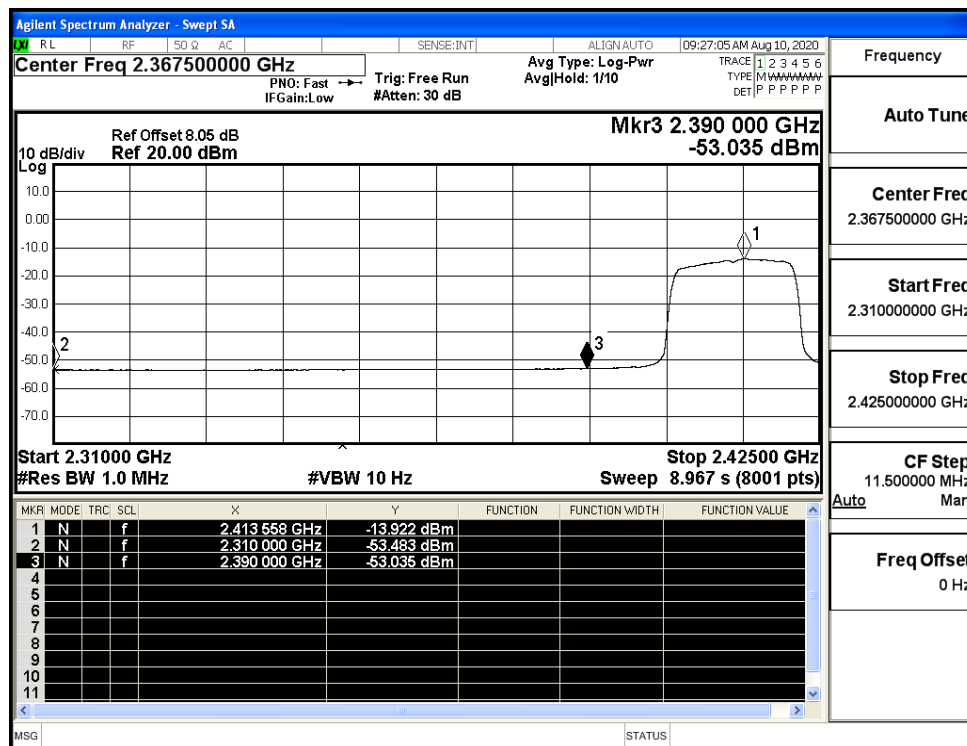




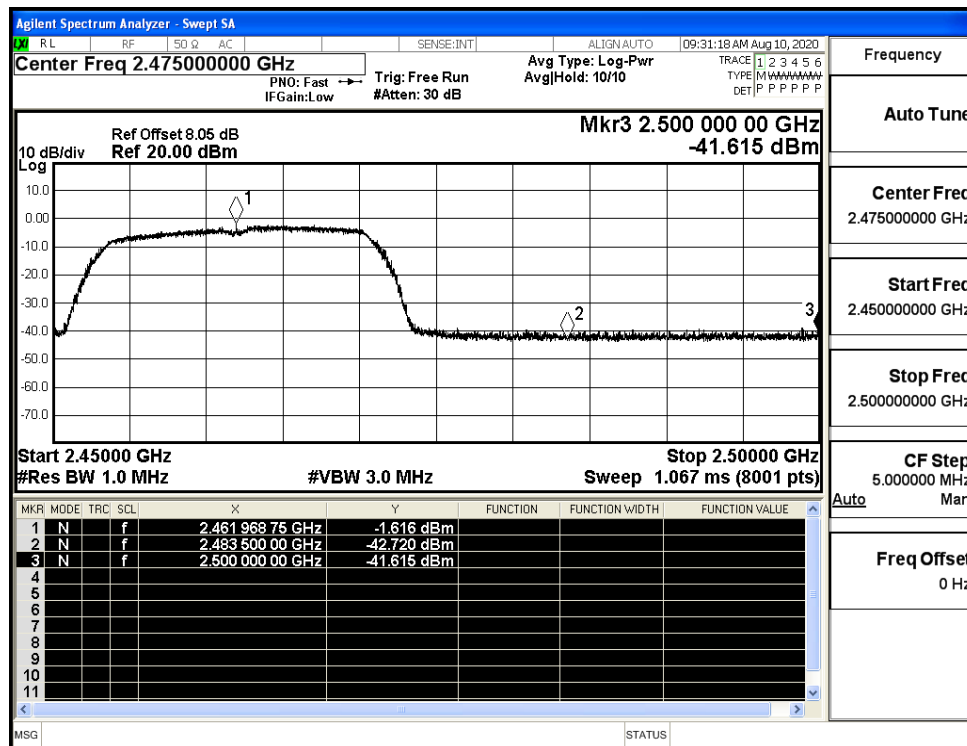
## Restrict-band band-edge measurements\_11N20SISO\_2412\_Ant1\_PEAK



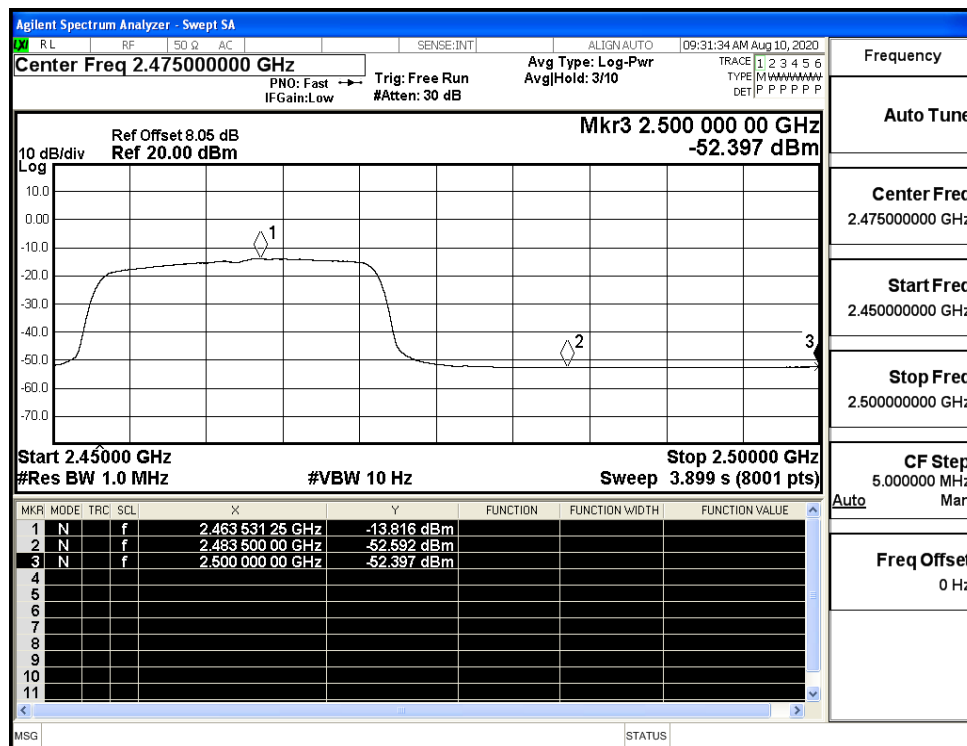
## Restrict-band band-edge measurements\_11N20SISO\_2412\_Ant1\_AV



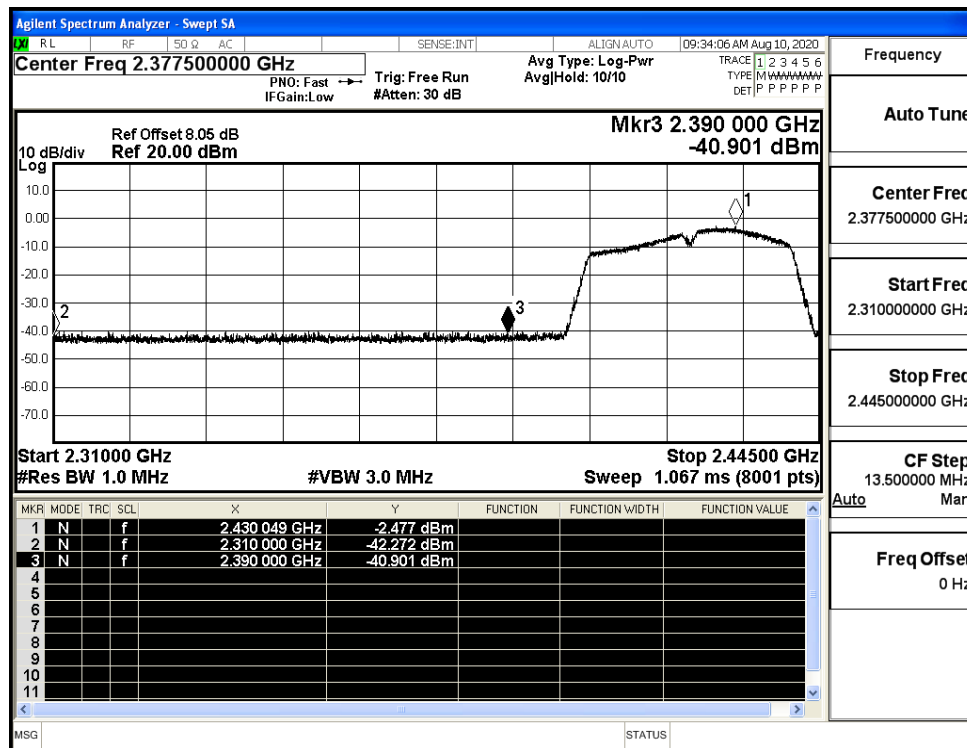
## Restrict-band band-edge measurements\_11N20SISO\_2462\_Ant1\_PEAK



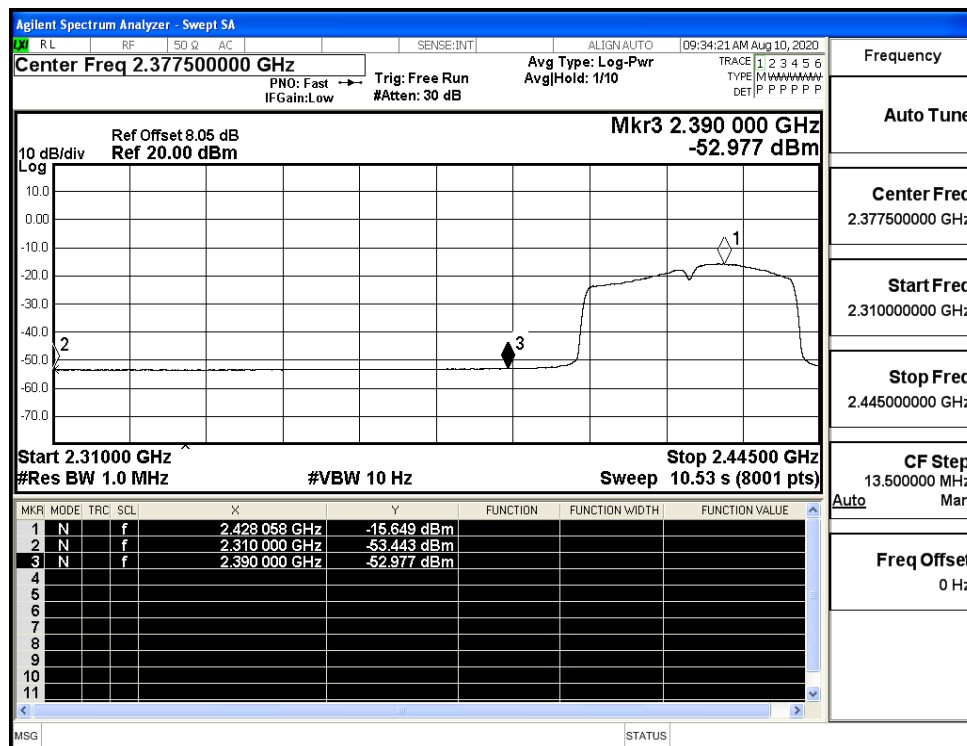
## Restrict-band band-edge measurements\_11N20SISO\_2462\_Ant1\_AV



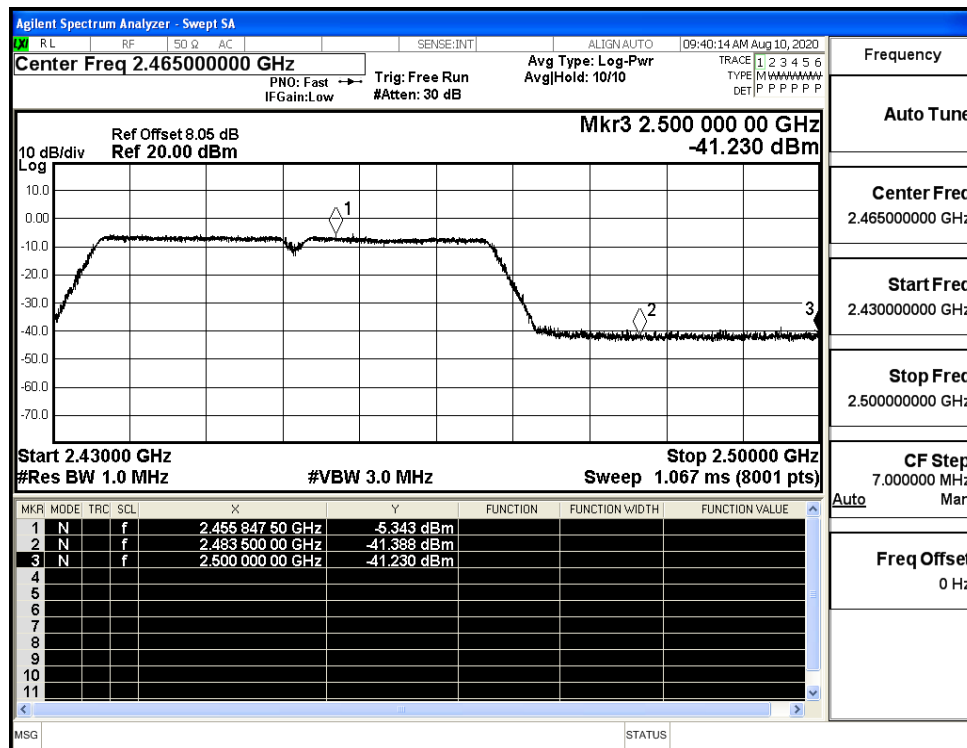
## Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_PEAK



## Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_AV



## Restrict-band band-edge measurements\_11N40SISO\_2452\_Ant1\_PEAK



## Restrict-band band-edge measurements\_11N40SISO\_2452\_Ant1\_AV

