



## Appendix for Test report

## Appendix A: DTS (6 dB) Bandwidth

In this document, the "DTS6dBBW" refers to the measured "DTS (6 dB) Bandwidth" value. In this Appendix, the "fc(DTS6dBBW)" refers to the centre of the measured "DTS6dBBW". The introduction of the "fc(DTS6dBBW)" is due to that other measurements use it as the spectrum analyzer setting.

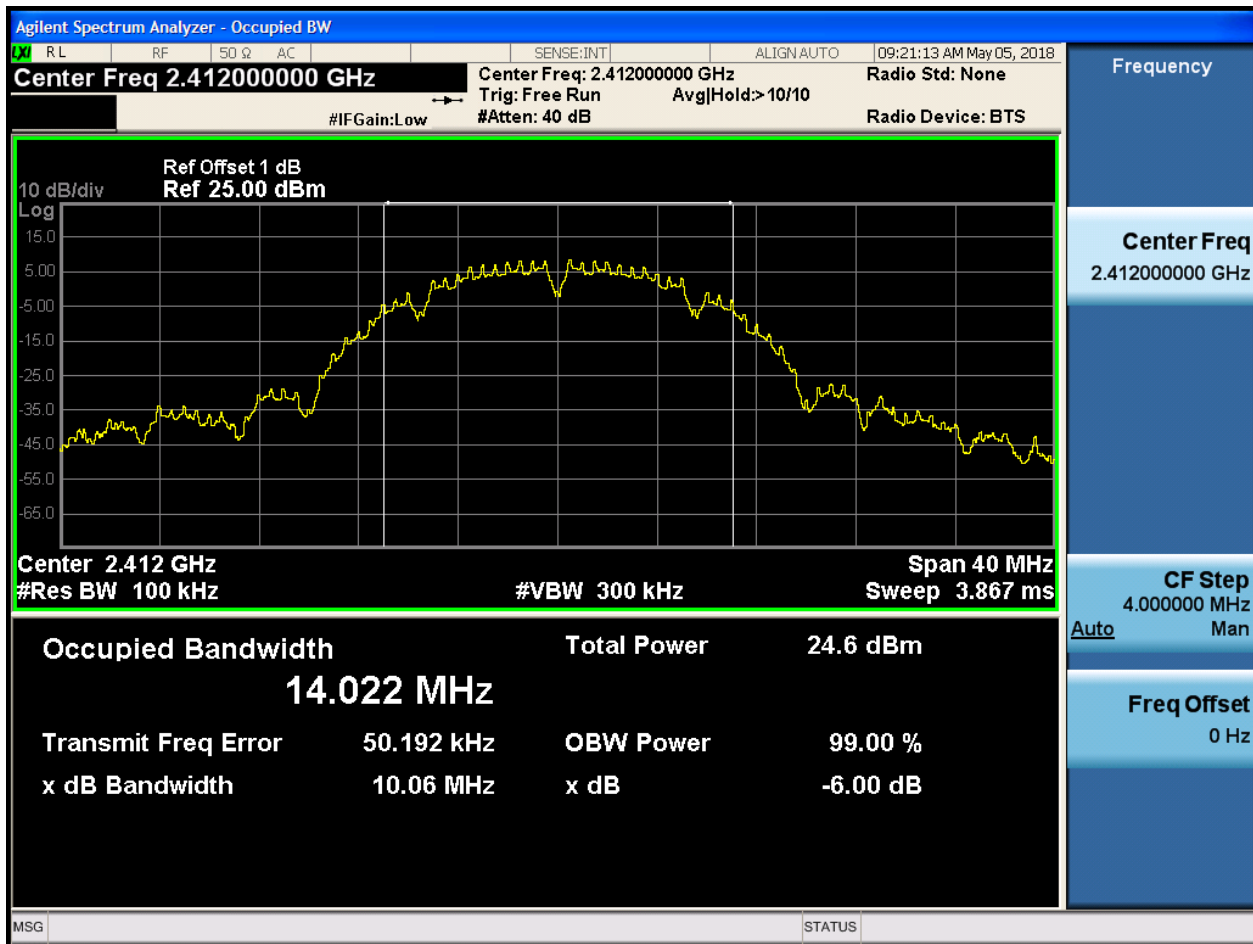
For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

### Part I - Test Results

| Test Mode | Test Channel | Frequency[MHz] | Ant   | DTS6dBBW[MHz] | Verdict |
|-----------|--------------|----------------|-------|---------------|---------|
| 11B       | L            | 2412           | Ant 1 | 10.06         | pass    |
| 11B       | M            | 2437           | Ant 1 | 10.07         | pass    |
| 11B       | H            | 2462           | Ant 1 | 10.04         | pass    |
| 11G       | L            | 2412           | Ant 1 | 16.39         | pass    |
| 11G       | L            | 2417           | Ant 1 | 16.42         | pass    |
| 11G       | M            | 2437           | Ant 1 | 16.42         | pass    |
| 11G       | H            | 2457           | Ant 1 | 16.41         | pass    |
| 11G       | H            | 2462           | Ant 1 | 16.43         | pass    |
| 11N20     | L            | 2412           | Ant 1 | 17.60         | pass    |
| 11N20     | M            | 2437           | Ant 1 | 17.65         | pass    |
| 11N20     | H            | 2462           | Ant 1 | 17.61         | pass    |
| 11N40     | L            | 2422           | Ant 1 | 35.61         | pass    |
| 11N40     | M            | 2437           | Ant 1 | 35.25         | pass    |
| 11N40     | H            | 2452           | Ant 1 | 35.21         | pass    |

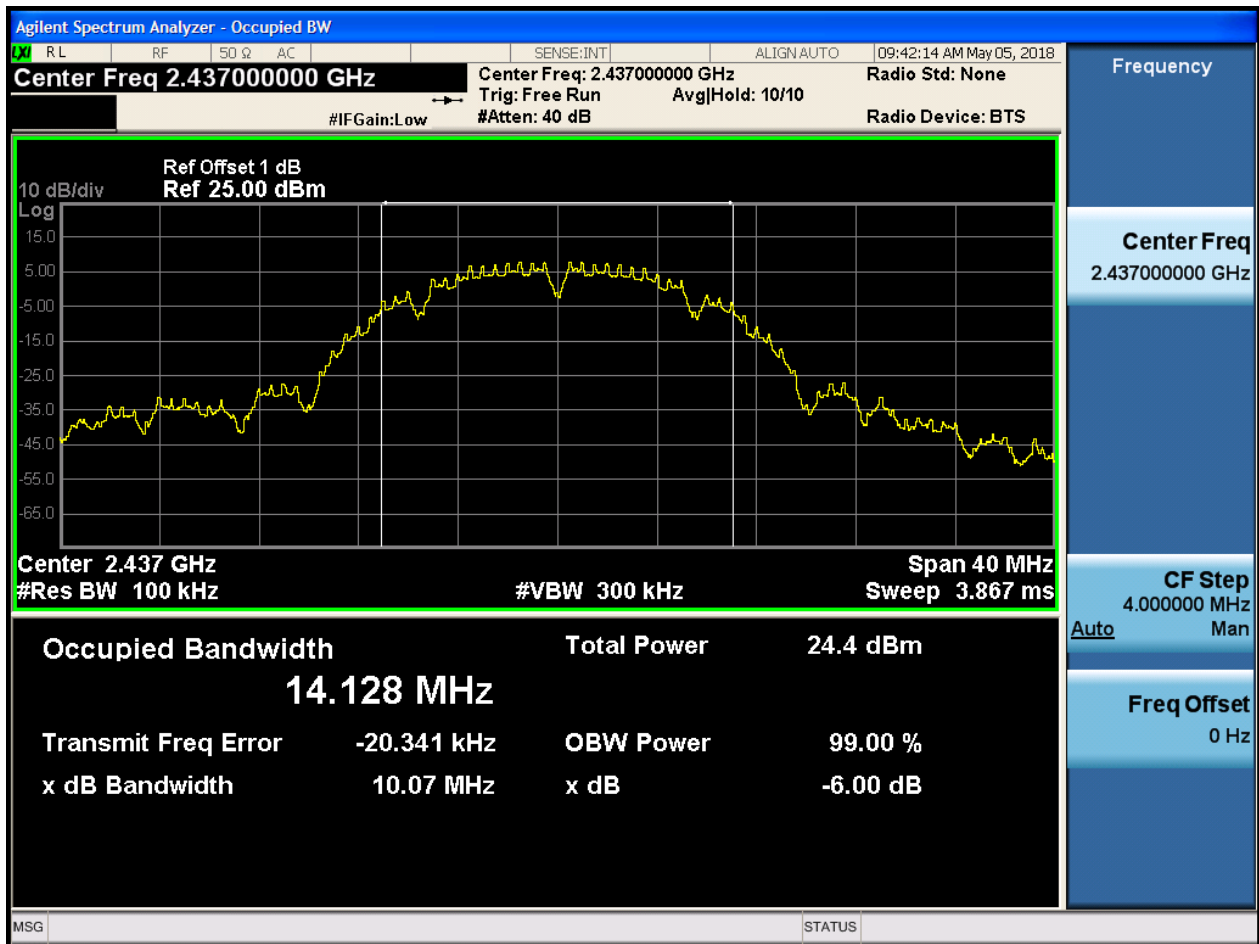
## Part II - Test Plots

### 2.1 11B\_L\_2412@Ant 1



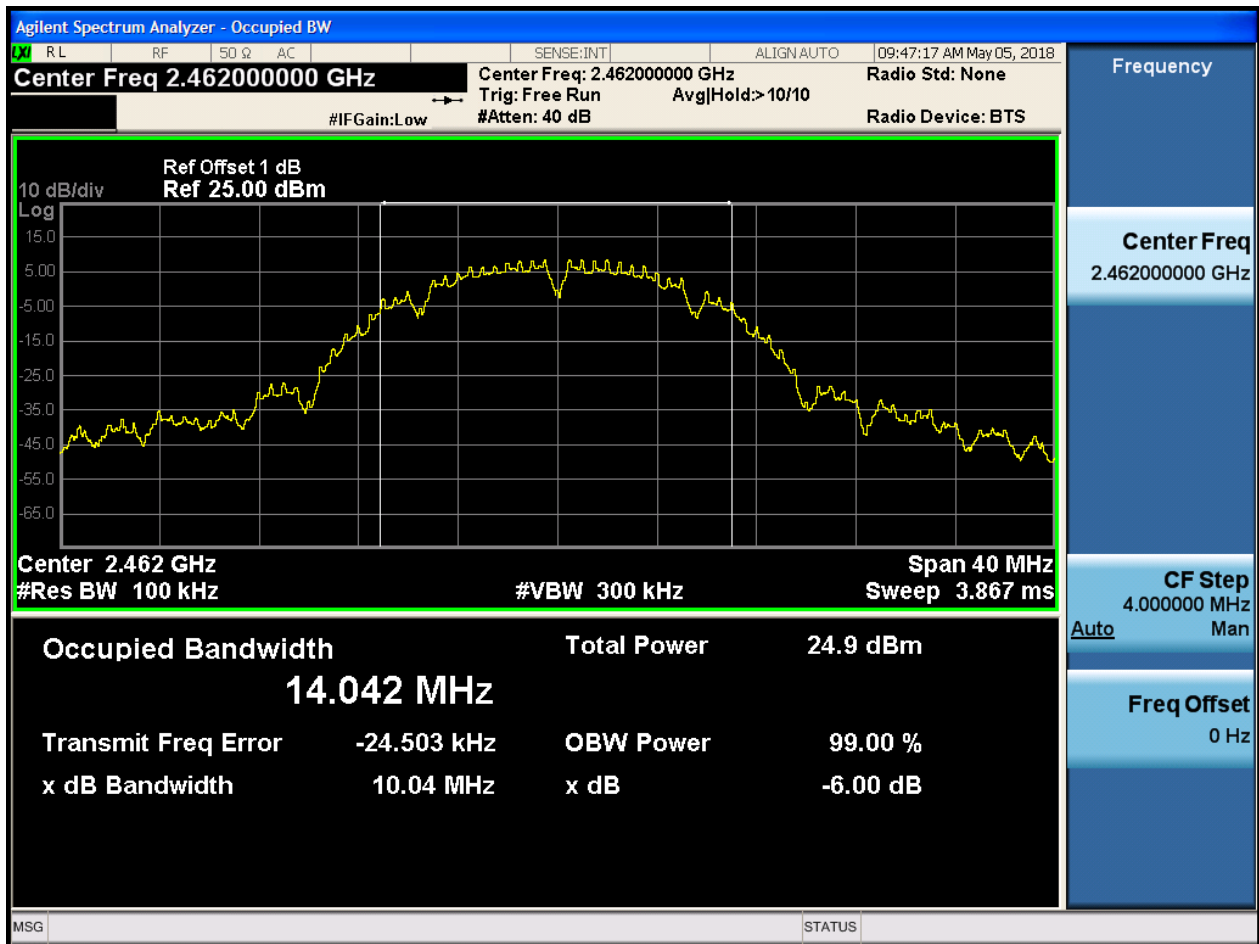


## 2.2 11B\_M\_2437@Ant 1



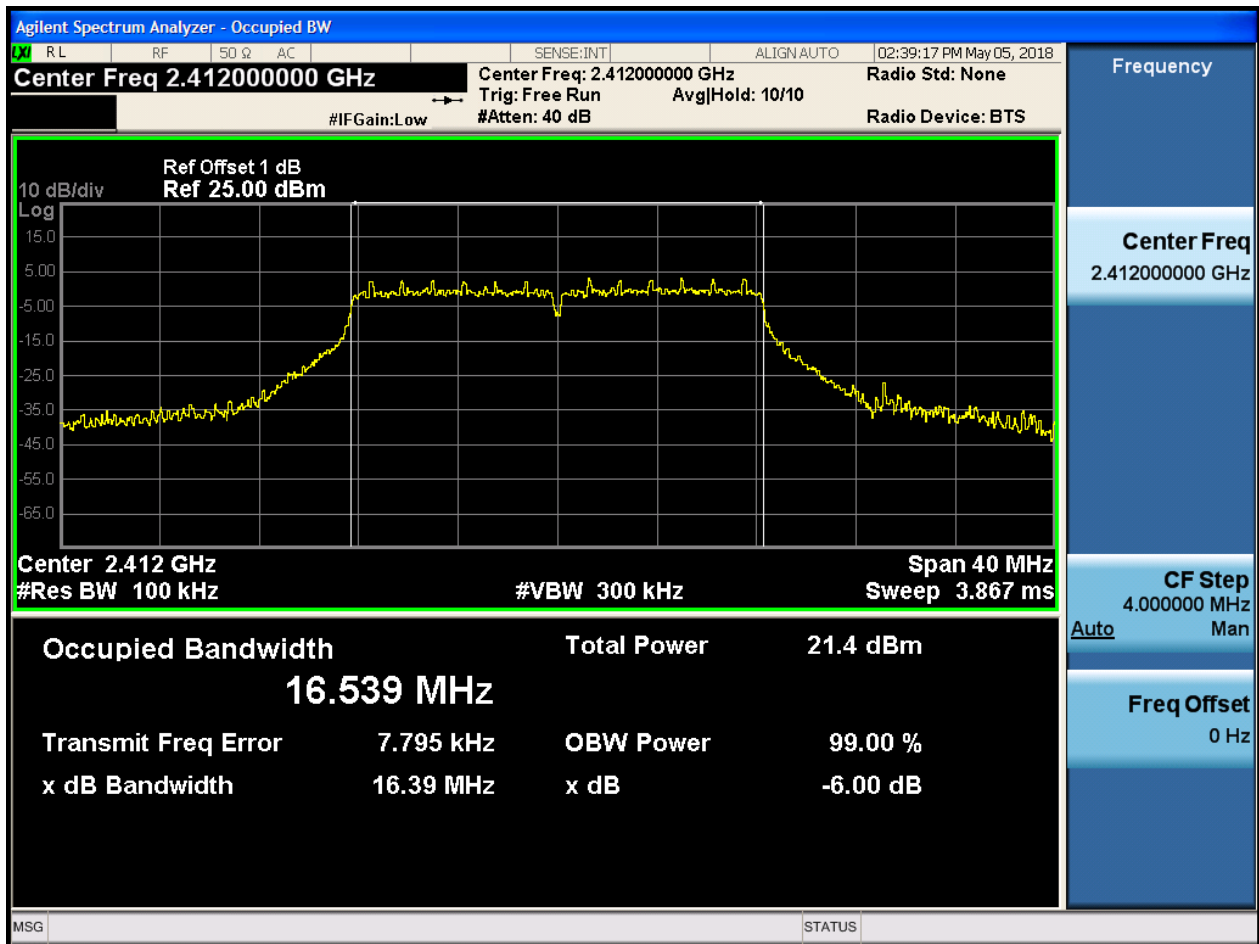


## 2.3 11B\_H\_2462@Ant 1



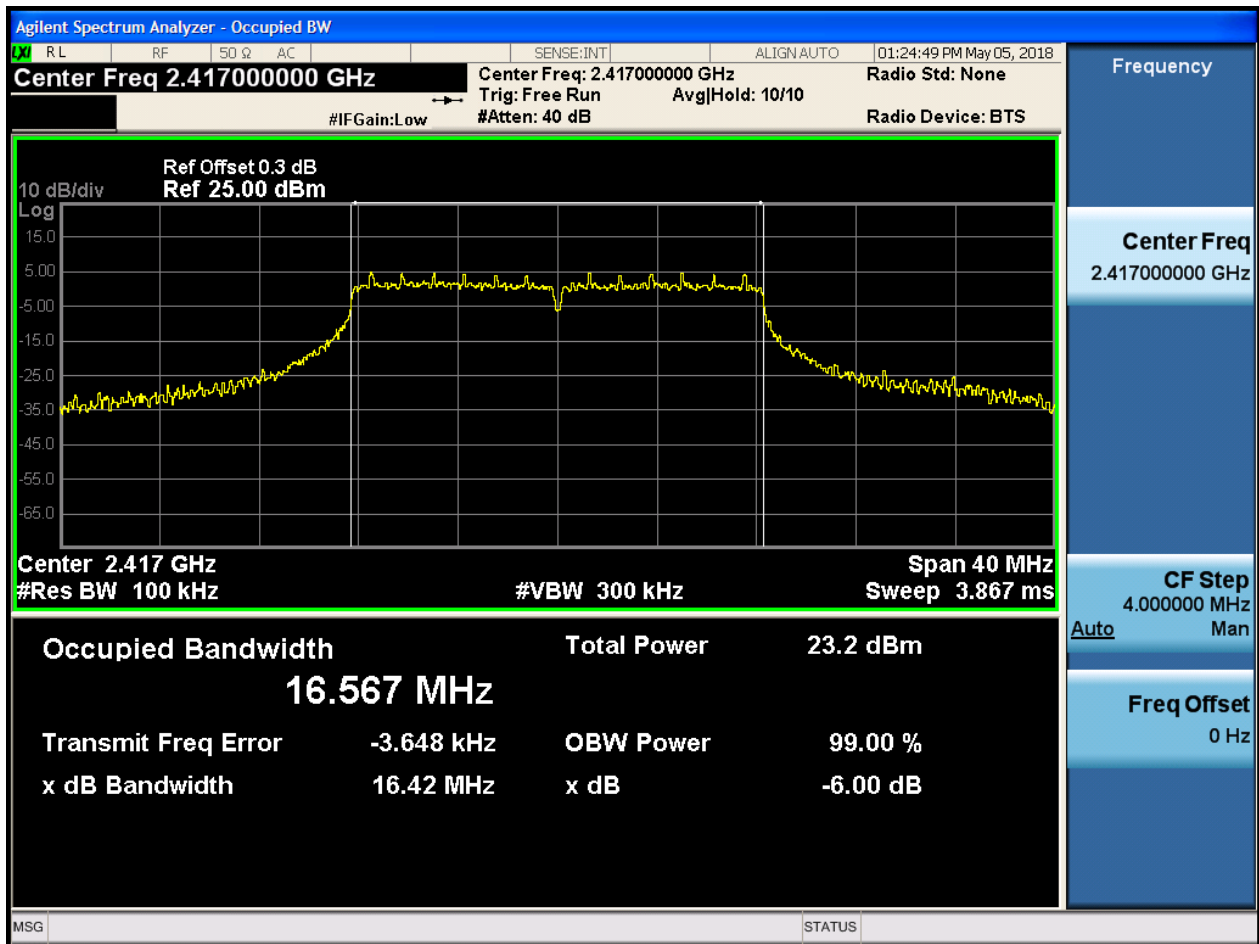


## 2.4 11G\_L\_2412@Ant 1



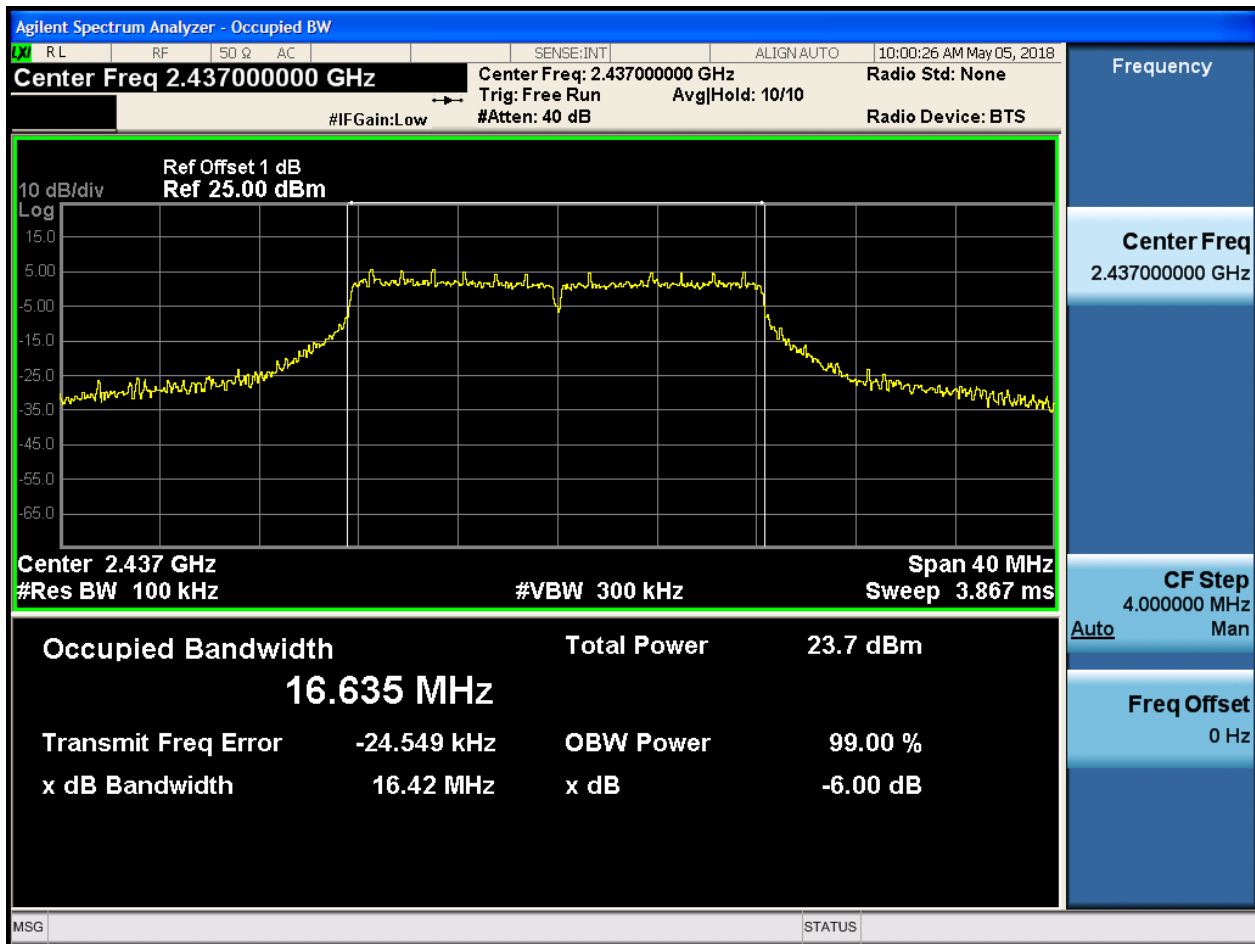


## 2.5 11G\_L\_2417@Ant 1



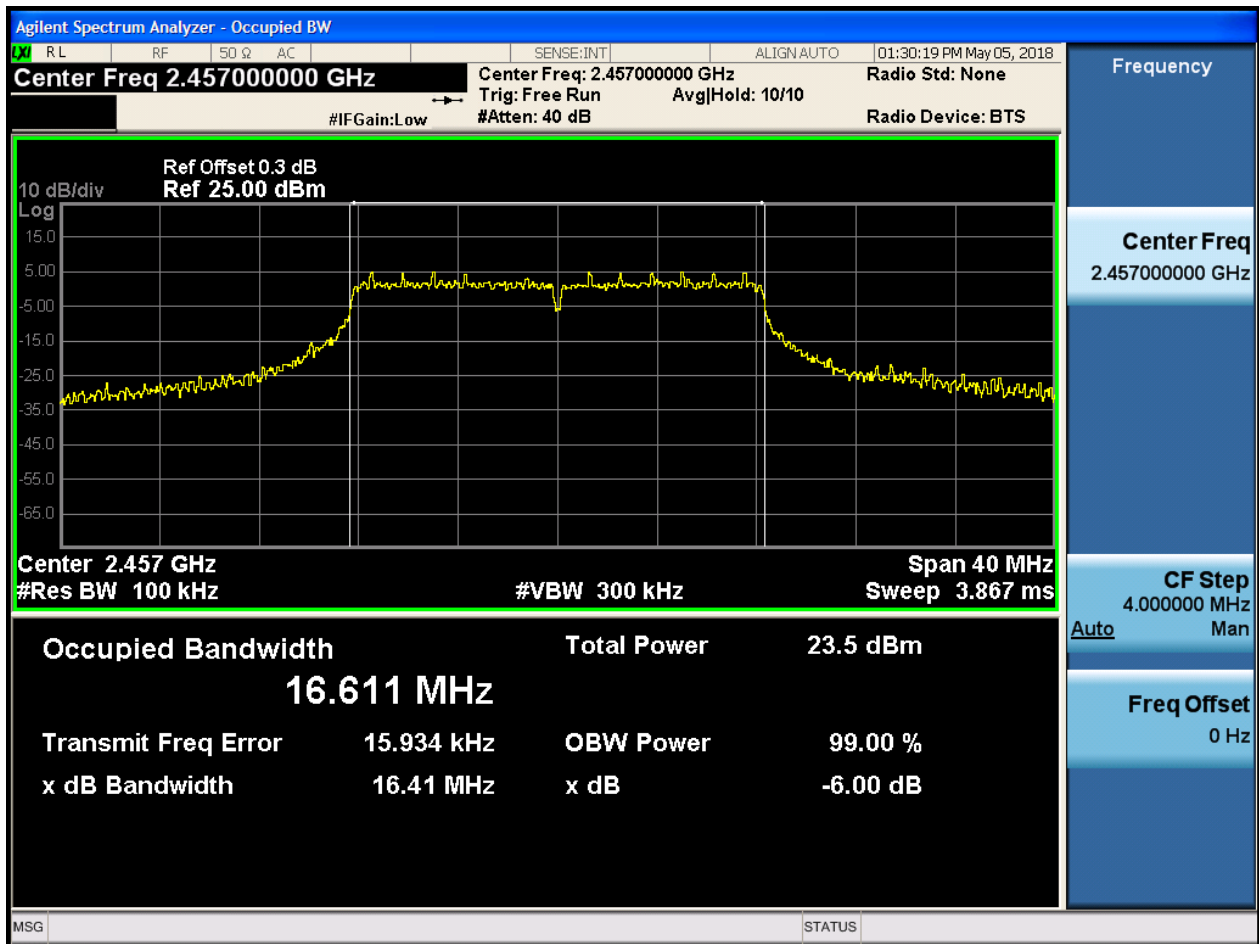


## 2.6 11G\_M\_2437@Ant 1

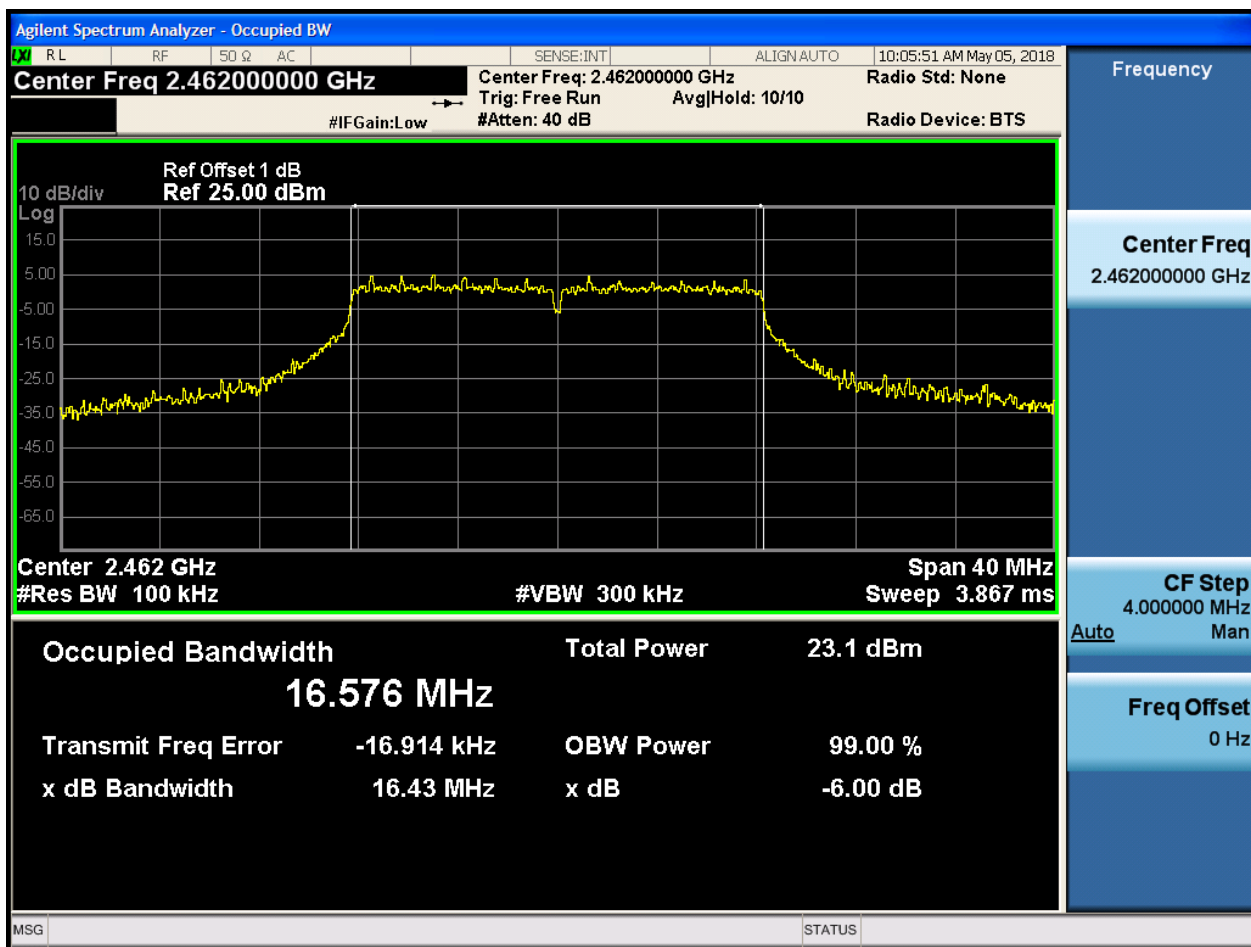




## 2.7 11G\_H\_2457@Ant 1

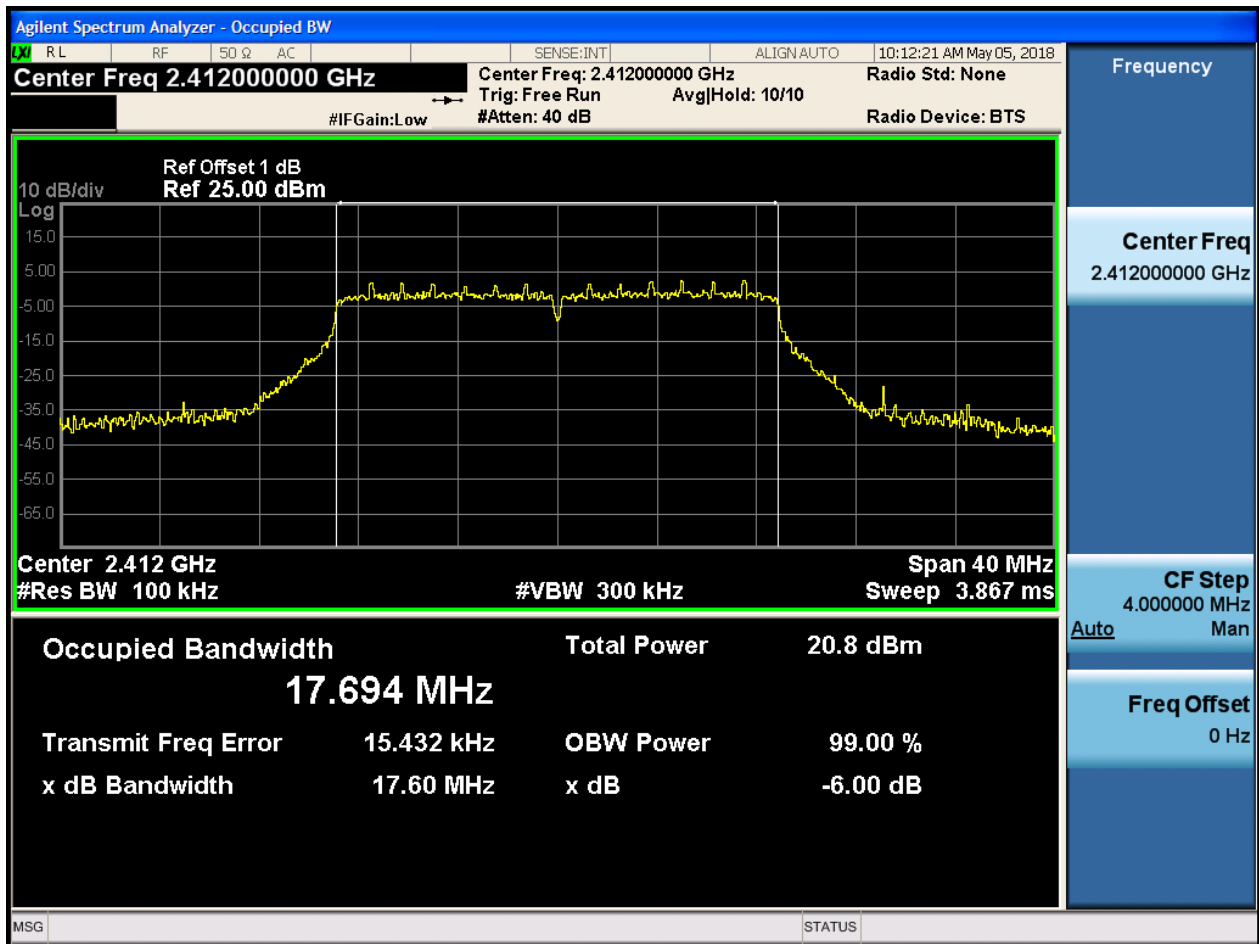


## 2.8 11G\_H\_2462@Ant 1



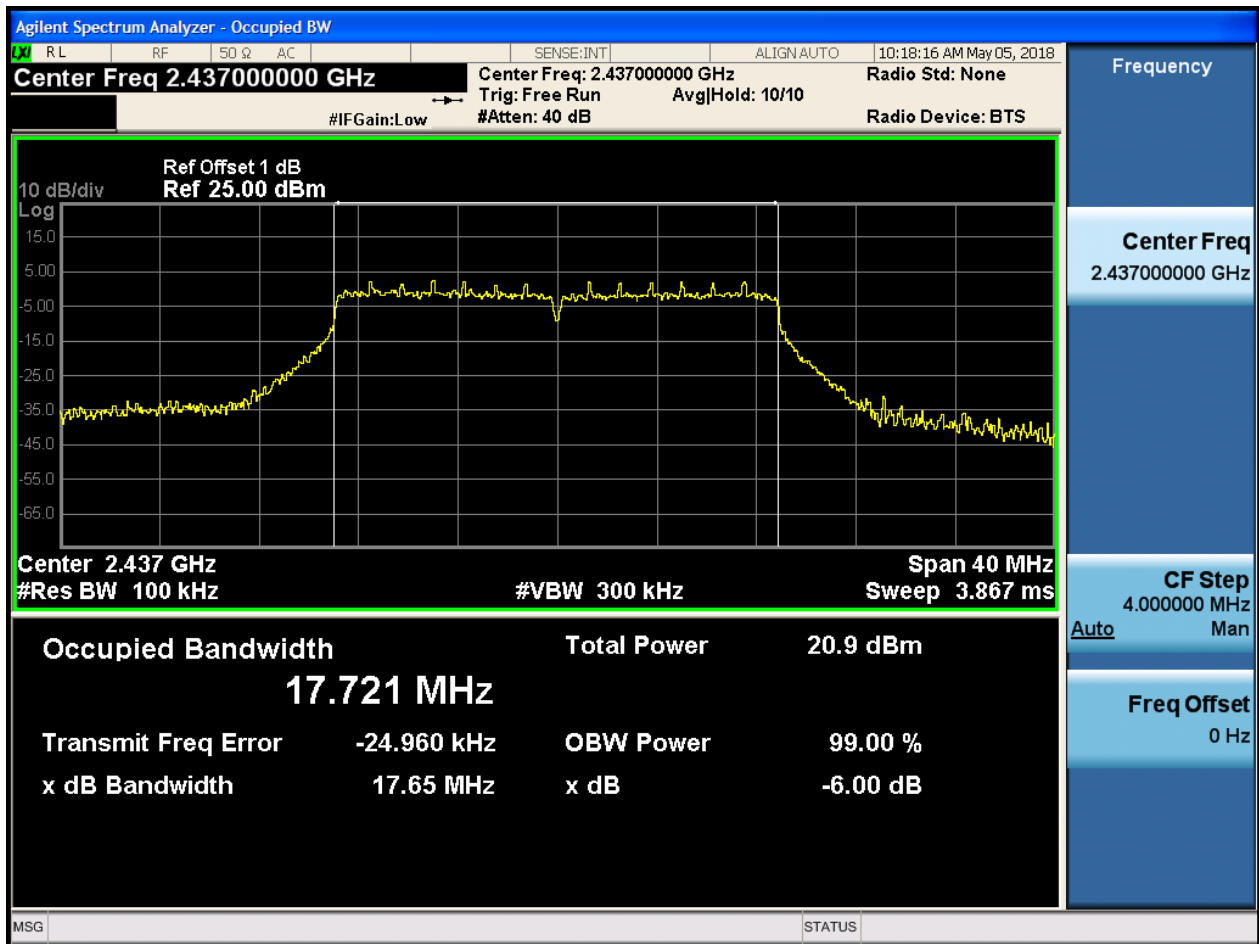


## 2.9 11N20\_L\_2412@Ant 1



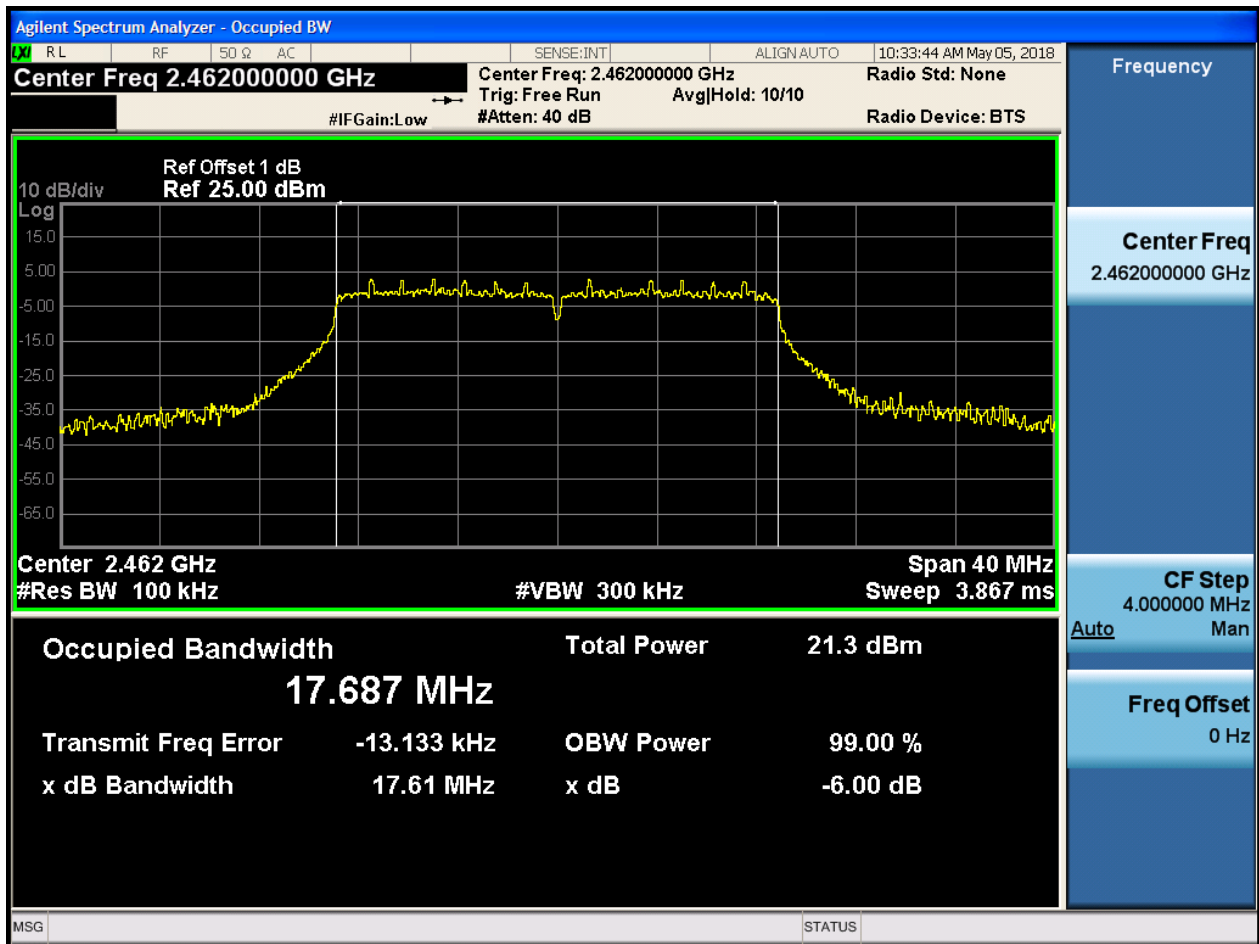


## 2.10 11N20\_M\_2437@Ant 1



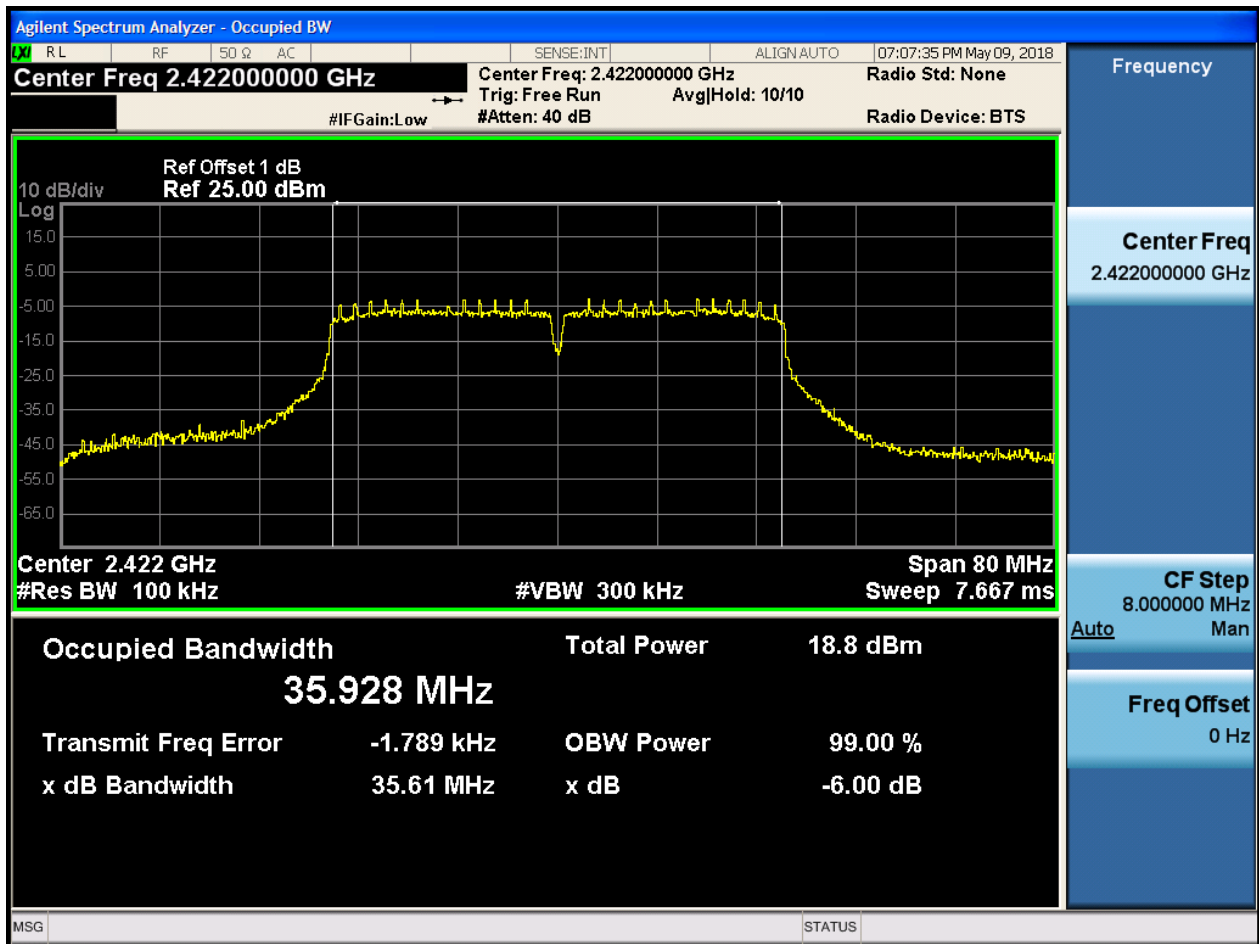


## 2.11 11N20\_H\_2462@Ant 1



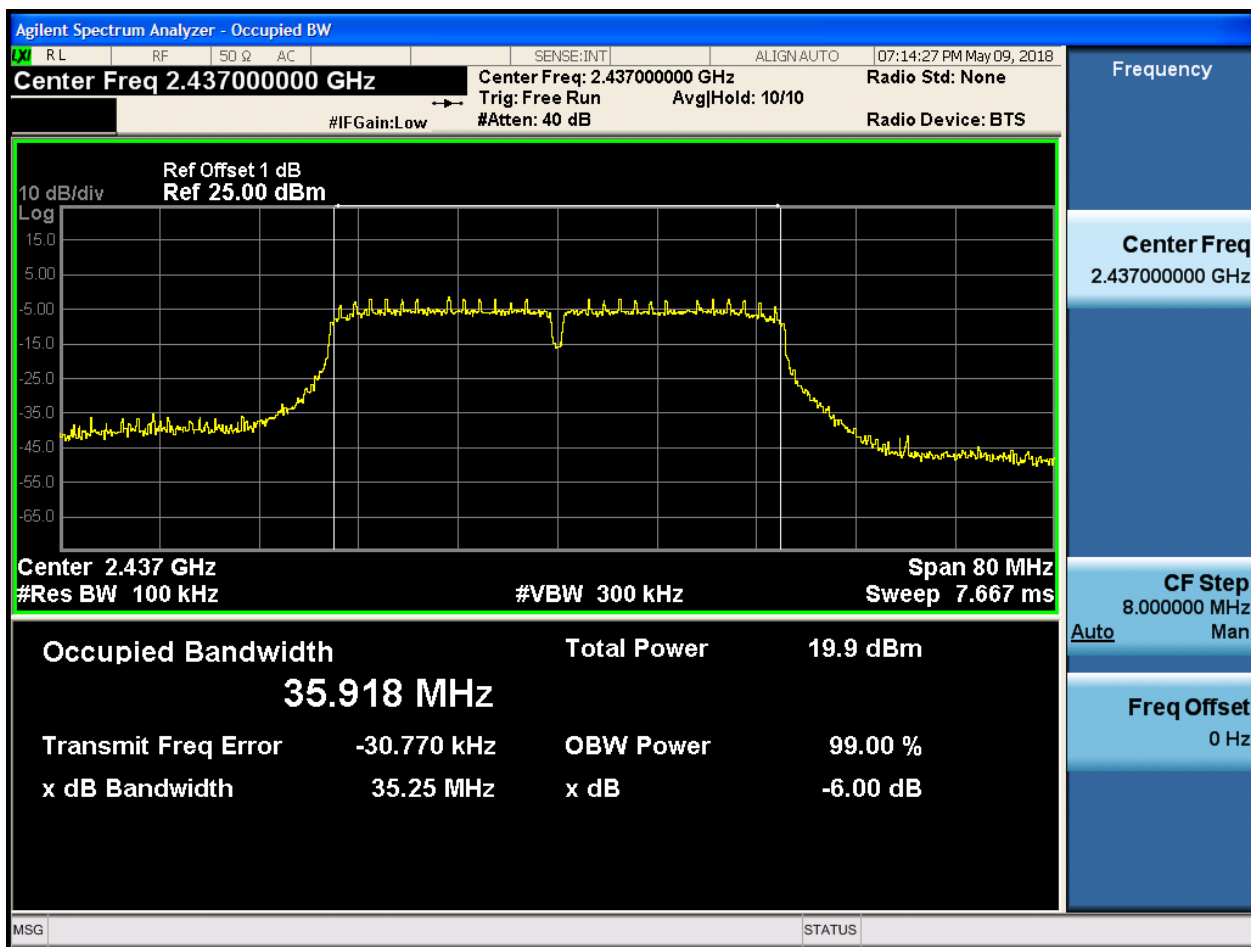


## 2.12 11N40\_L\_2422@Ant 1



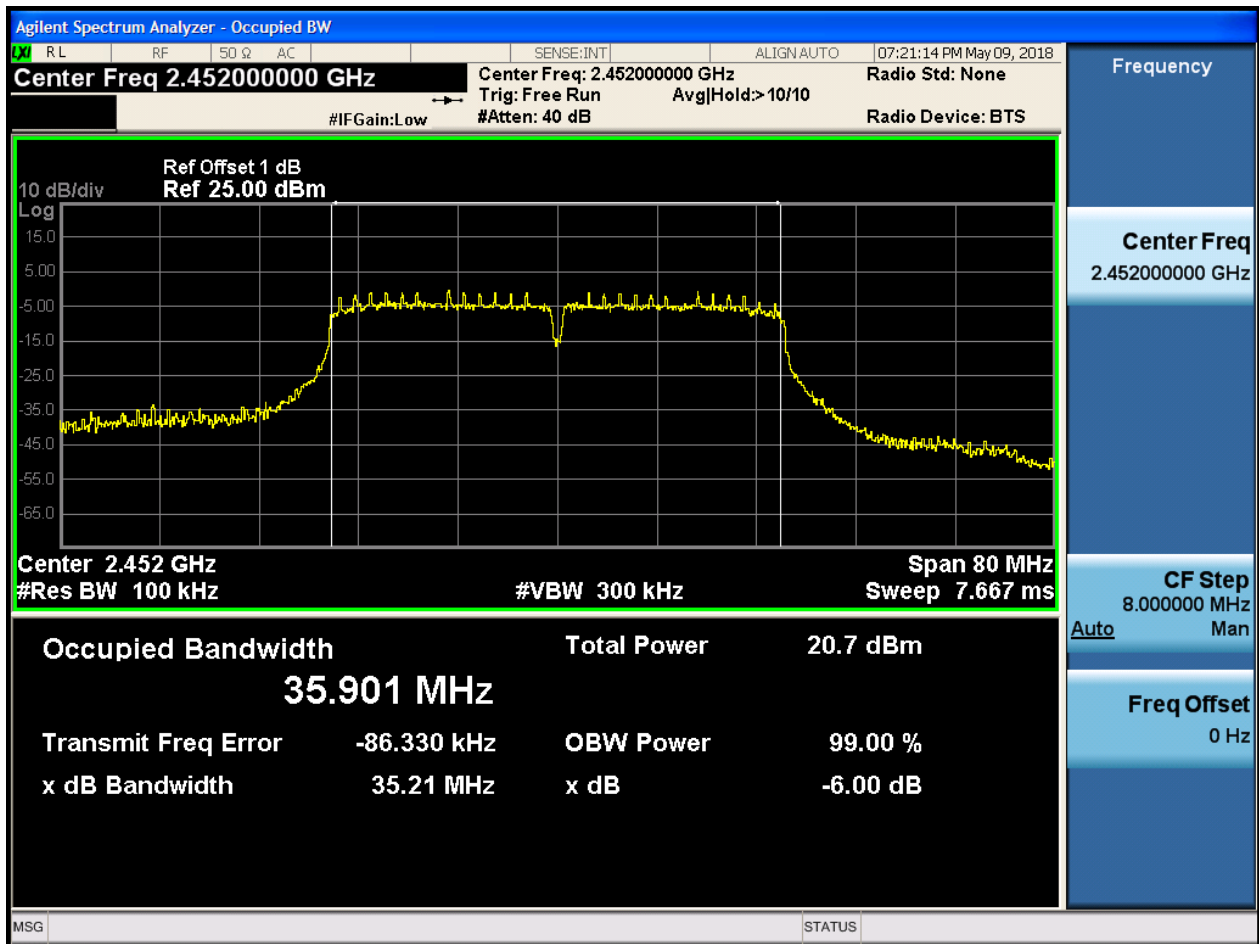


## 2.13 11N40\_M\_2437@Ant 1





## 2.14 11N40\_H\_2452@Ant 1



## Appendix B: Occupied Bandwidth

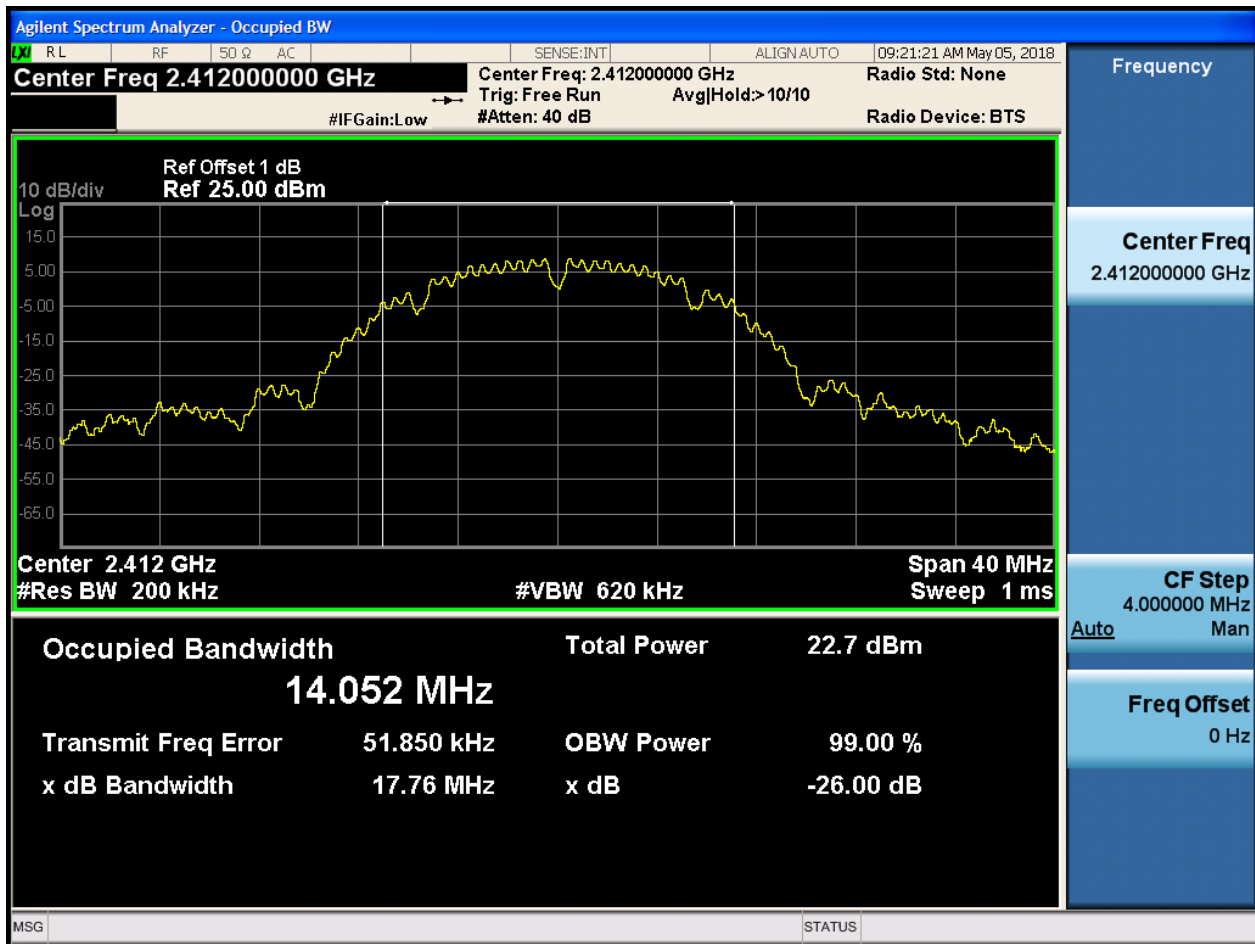
For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

### Part I - Test Results

| Test Mode | Test Channel | Frequency[MHz] | Ant   | Occupied Bandwidth [MHz] | Verdict |
|-----------|--------------|----------------|-------|--------------------------|---------|
| 11B       | L            | 2412           | Ant 1 | 14.05                    | pass    |
| 11B       | M            | 2437           | Ant 1 | 14.17                    | pass    |
| 11B       | H            | 2462           | Ant 1 | 14.06                    | pass    |
| 11G       | L            | 2412           | Ant 1 | 16.76                    | pass    |
| 11G       | L            | 2417           | Ant 1 | 16.81                    | pass    |
| 11G       | M            | 2437           | Ant 1 | 16.94                    | pass    |
| 11G       | H            | 2457           | Ant 1 | 16.93                    | pass    |
| 11G       | H            | 2462           | Ant 1 | 16.79                    | pass    |
| 11N20     | L            | 2412           | Ant 1 | 17.79                    | pass    |
| 11N20     | M            | 2437           | Ant 1 | 17.93                    | pass    |
| 11N20     | H            | 2462           | Ant 1 | 17.85                    | pass    |
| 11N40     | L            | 2422           | Ant 1 | 36.19                    | pass    |
| 11N40     | M            | 2437           | Ant 1 | 36.14                    | pass    |
| 11N40     | H            | 2452           | Ant 1 | 36.10                    | pass    |

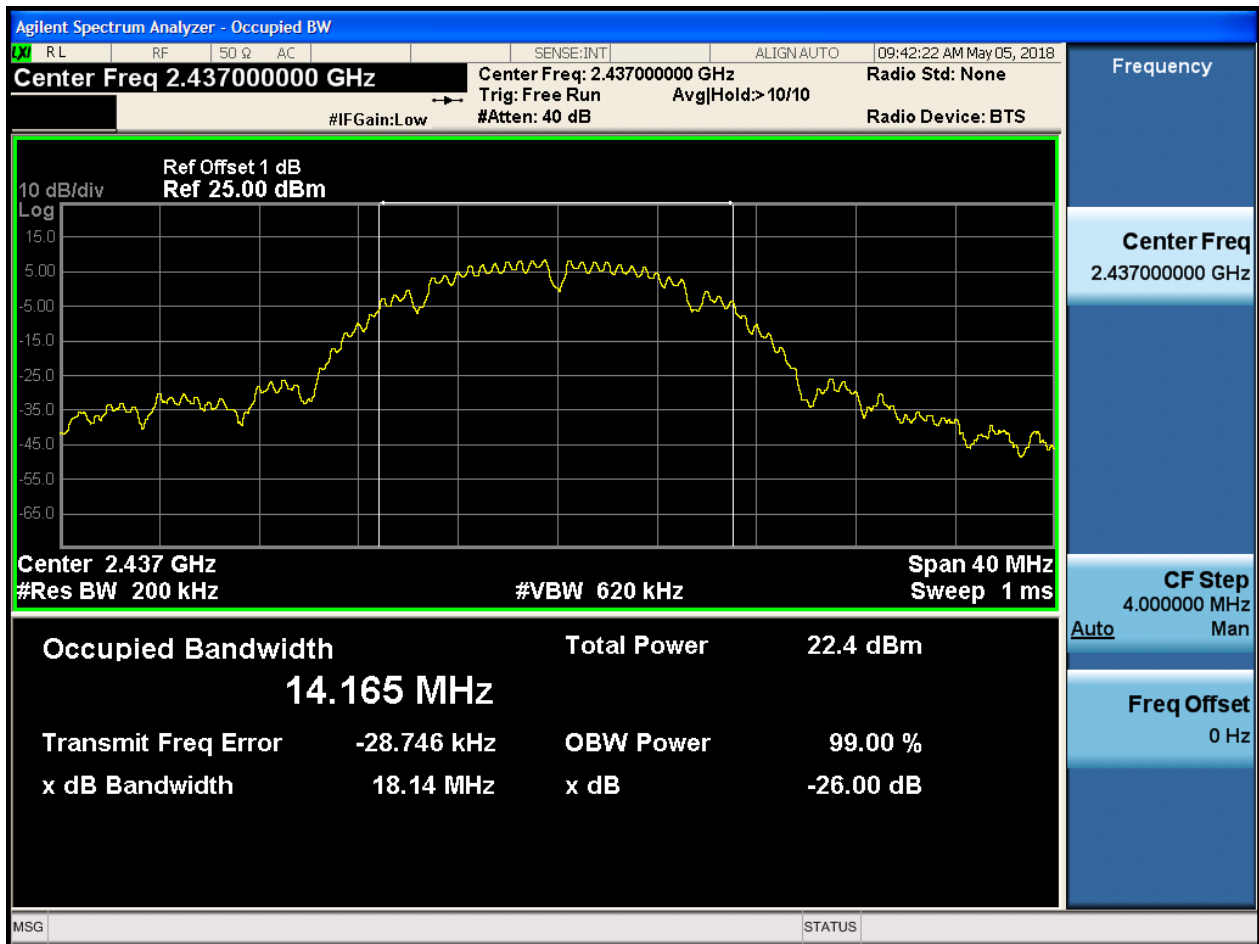
## Part II - Test Plots

### 2.1 11B\_L\_2412@Ant 1





## 2.2 11B\_M\_2437@Ant 1

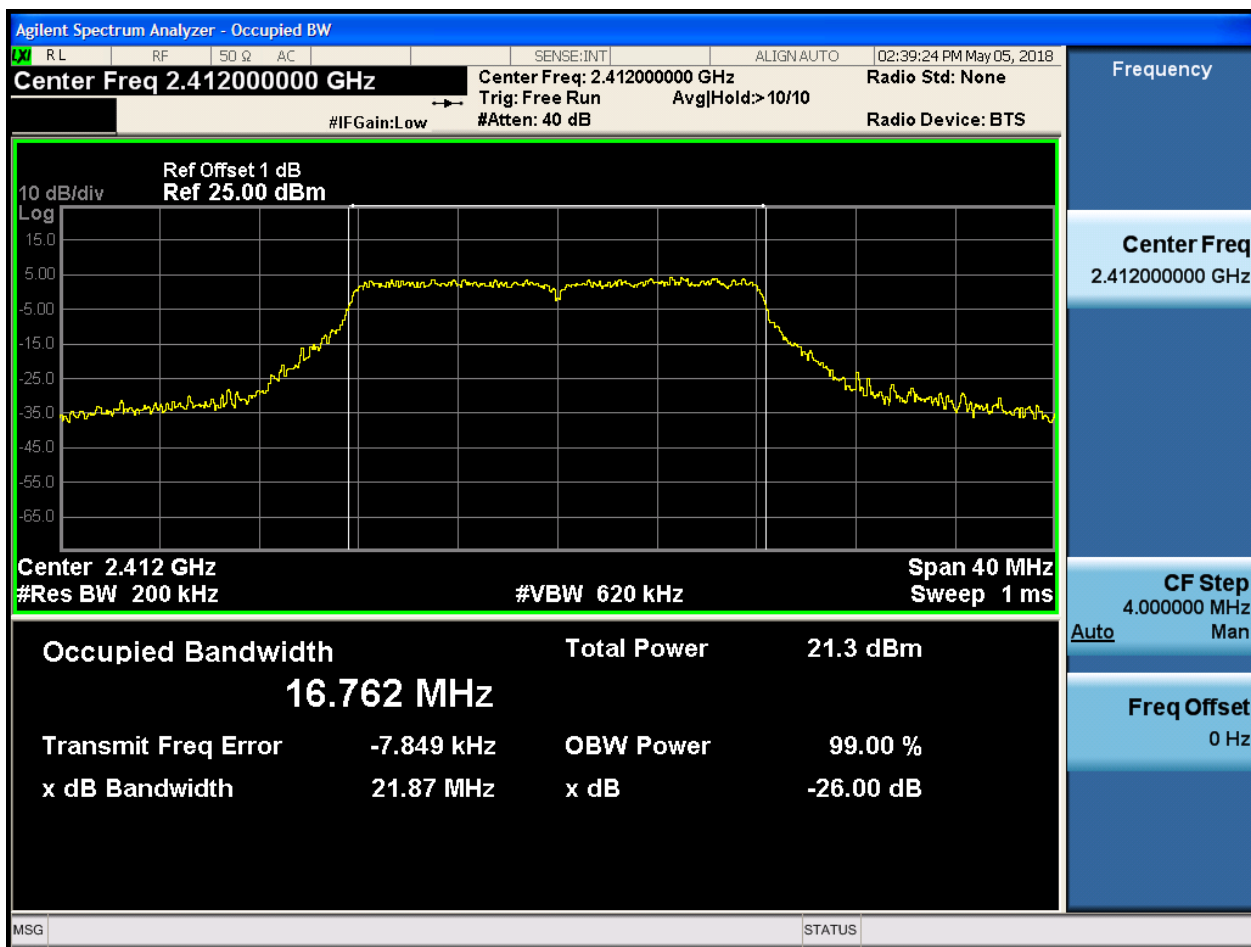


### 2.3 11B\_H\_2462@Ant 1



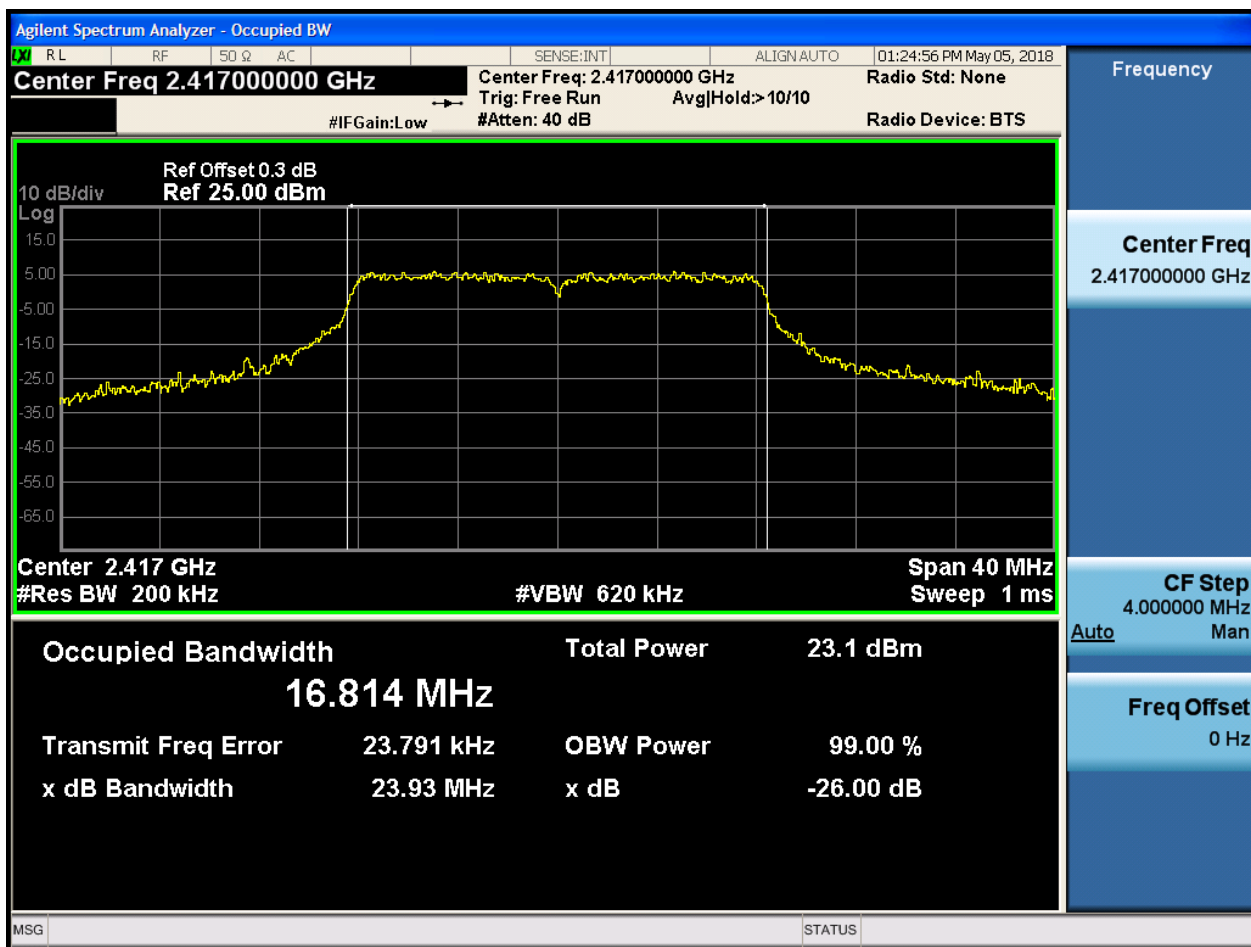


## 2.4 11G\_L\_2412@Ant 1



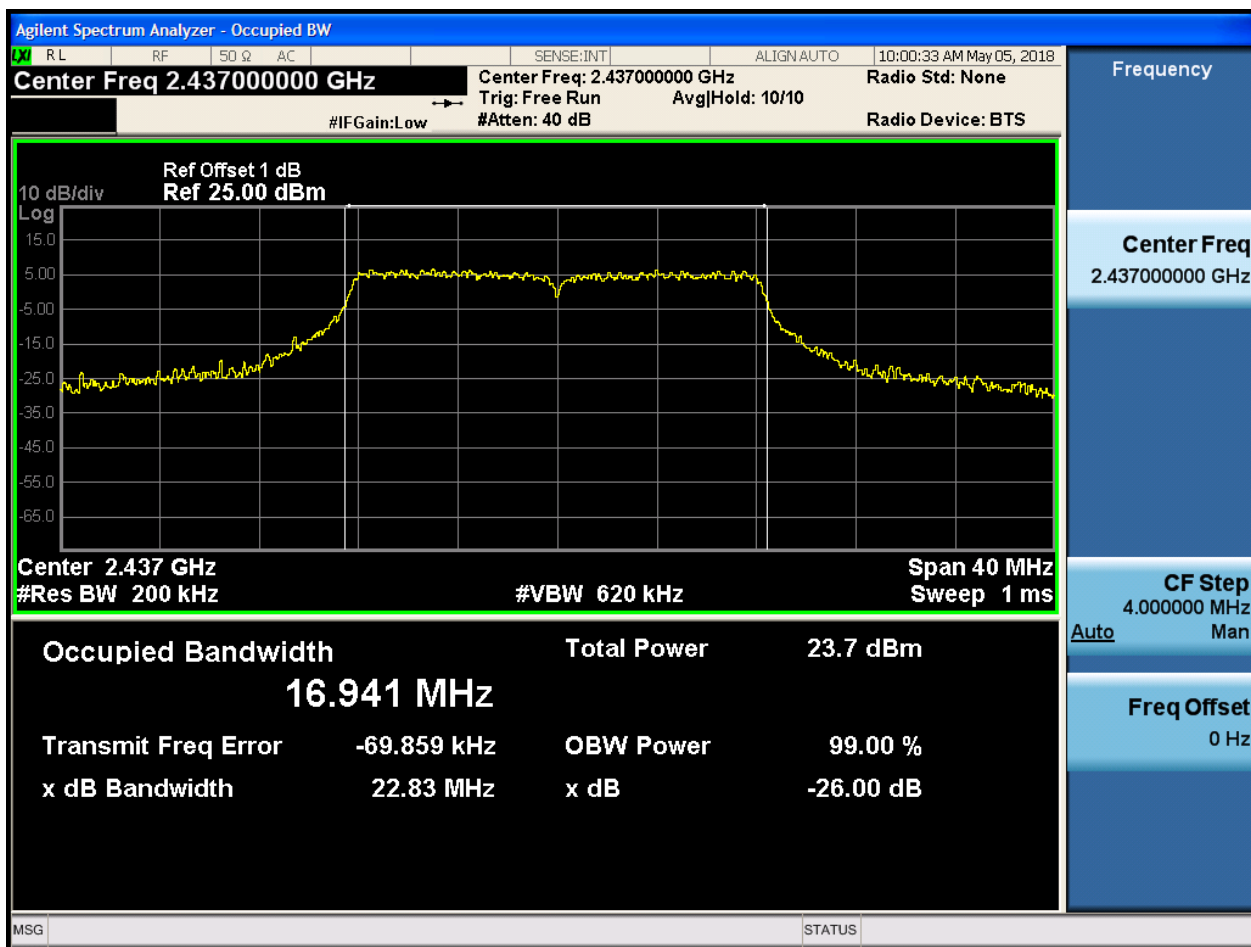


## 2.5 11G\_L\_2417@Ant 1



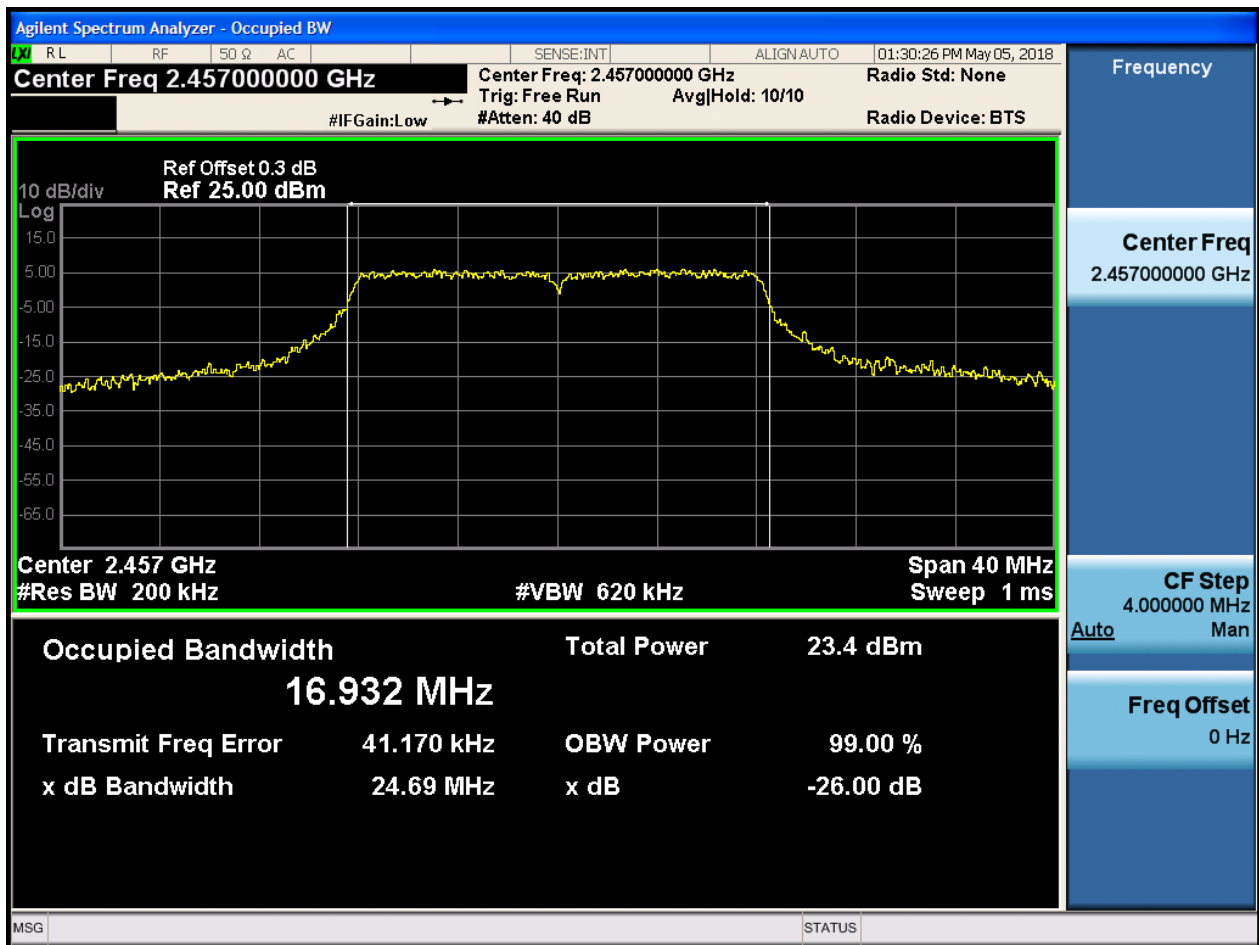


## 2.6 11G\_M\_2437@Ant 1



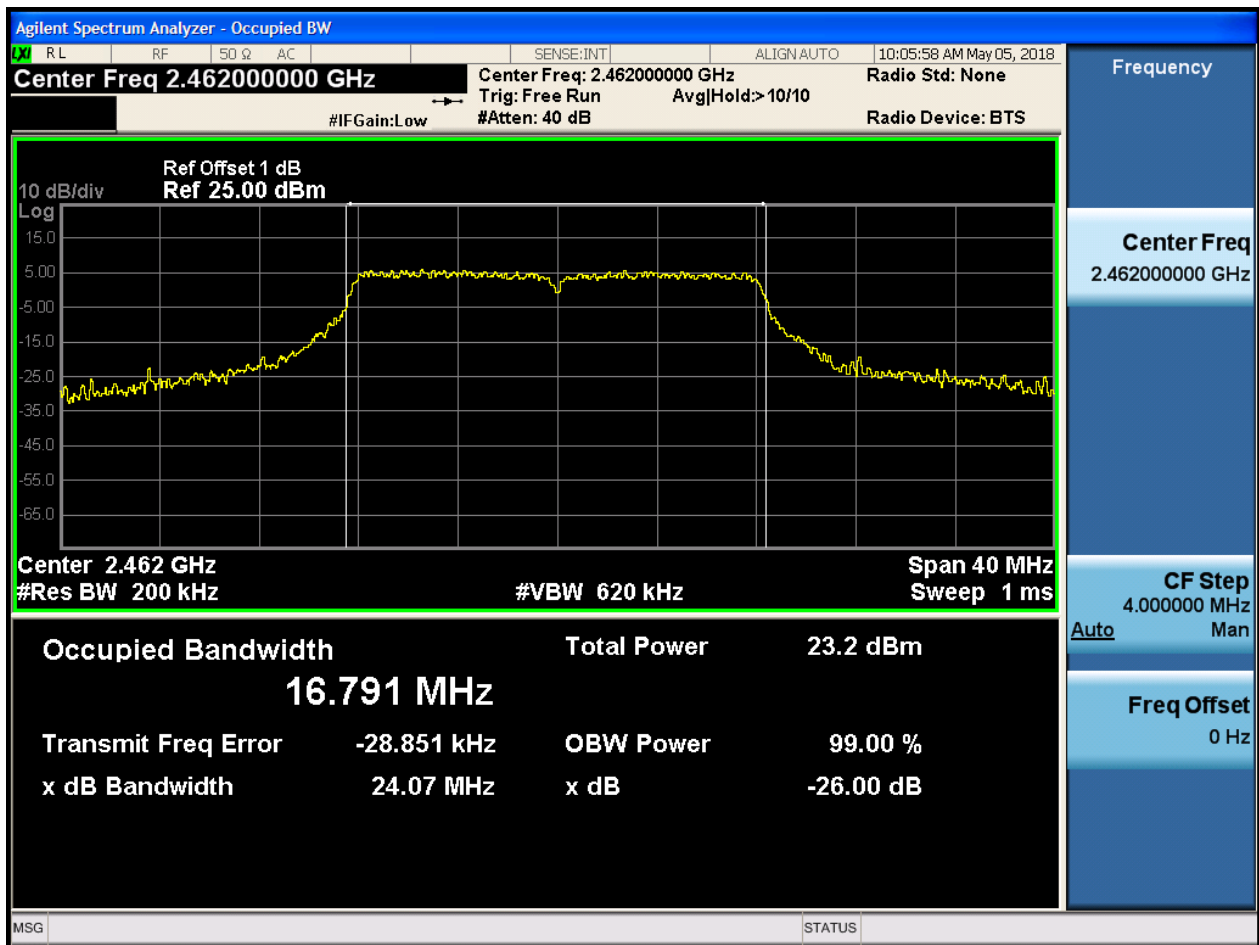


## 2.7 11G\_H\_2457@Ant 1



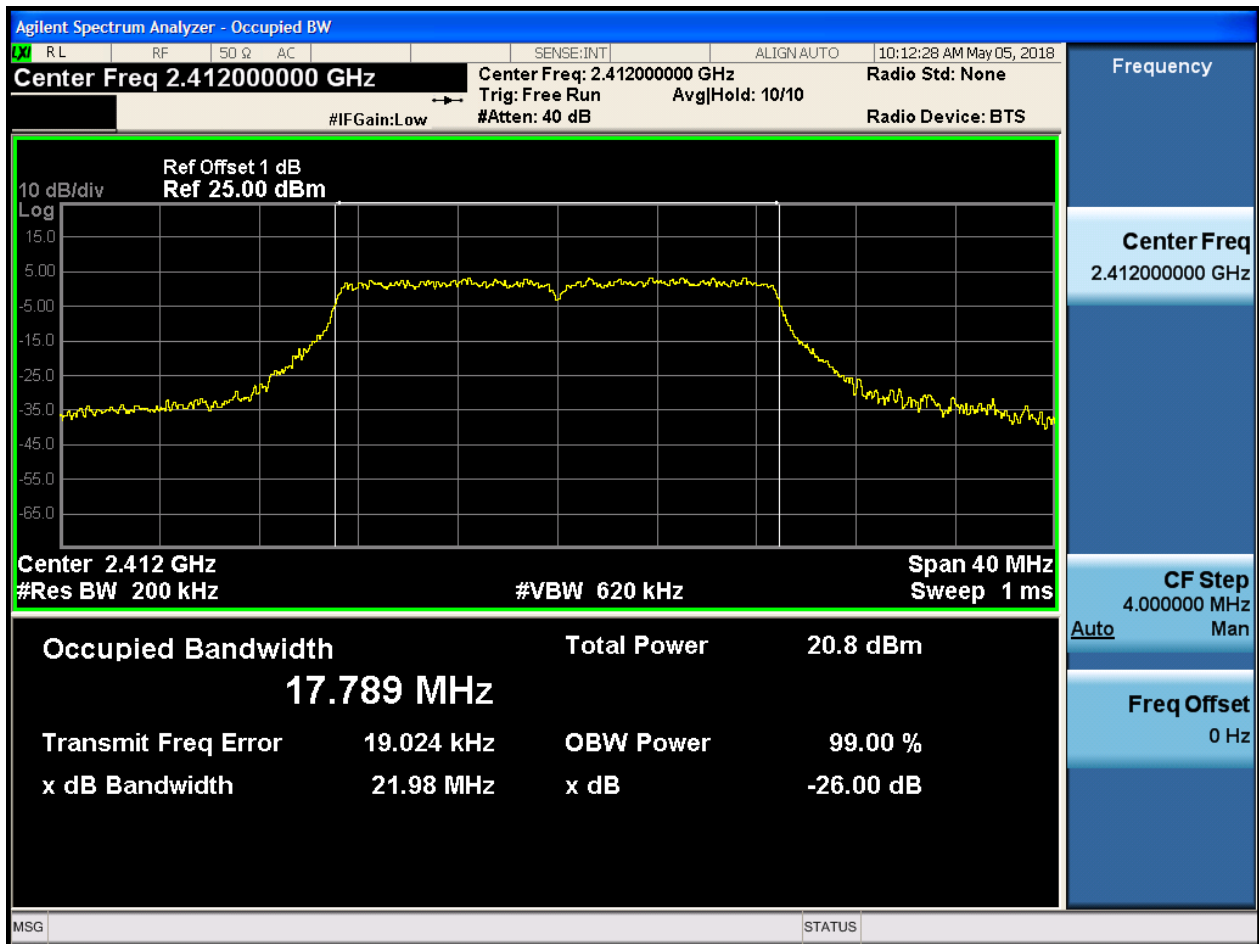


## 2.8 11G\_H\_2462@Ant 1



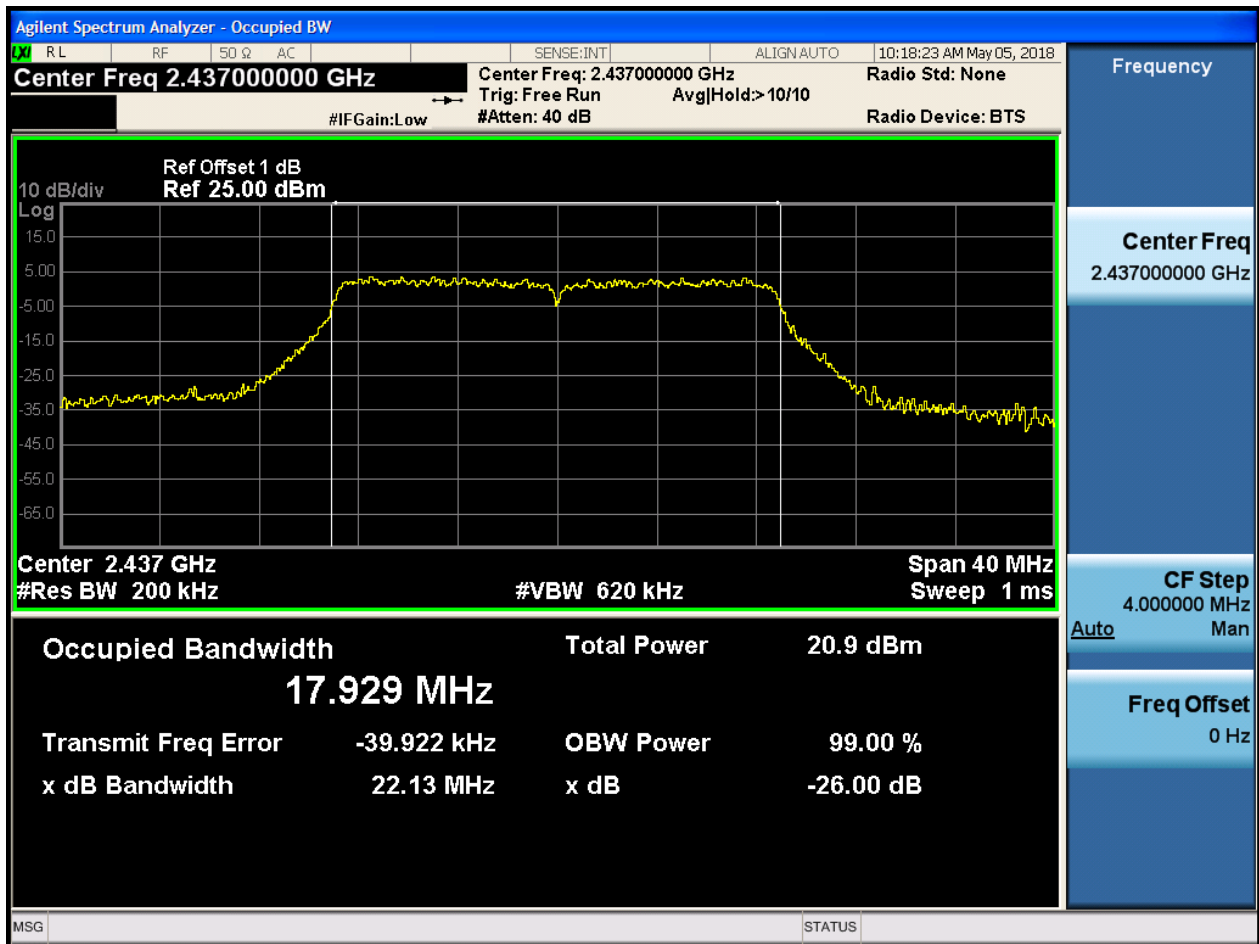


## 2.9 11N20\_L\_2412@Ant 1



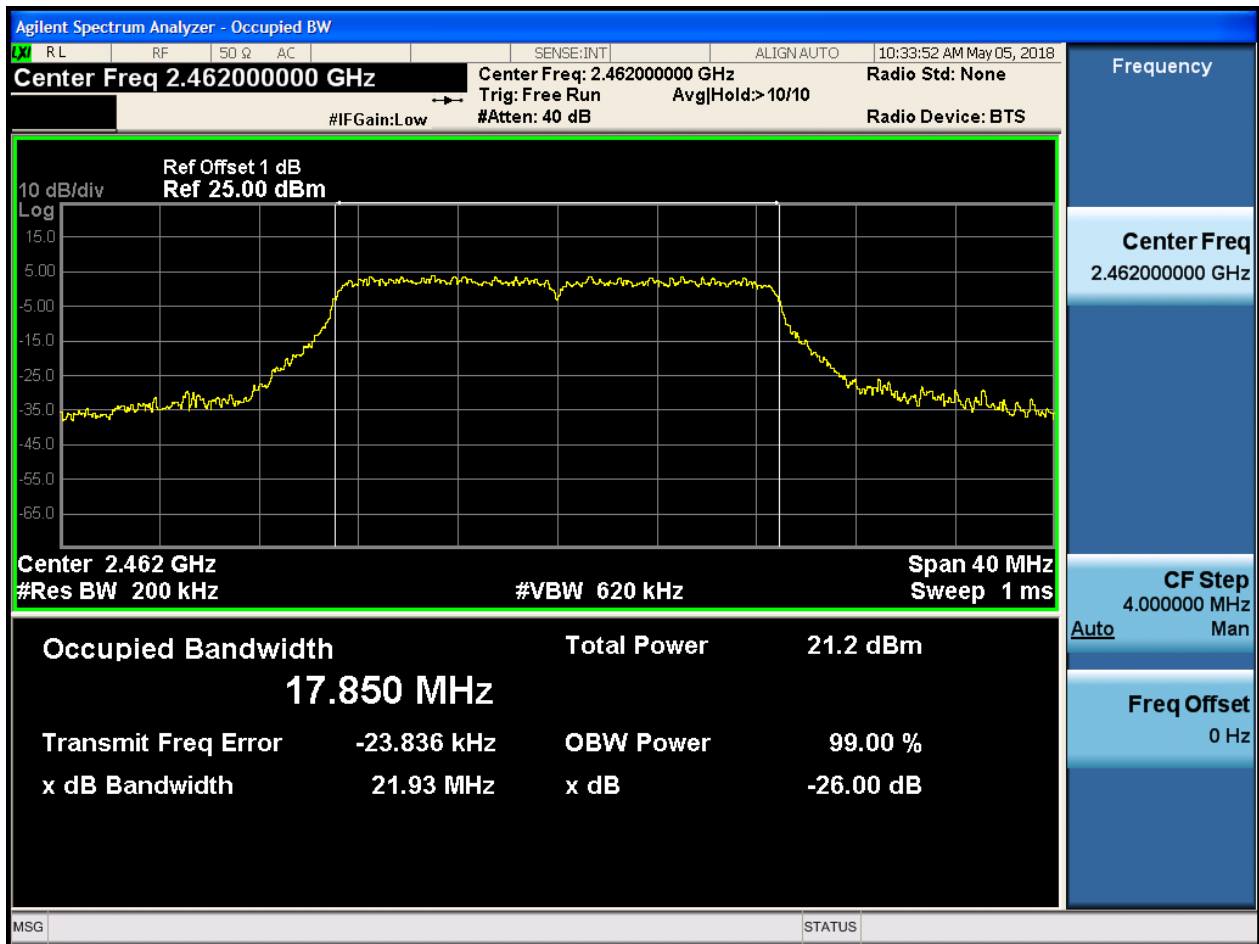


## 2.10 11N20\_M\_2437@Ant 1



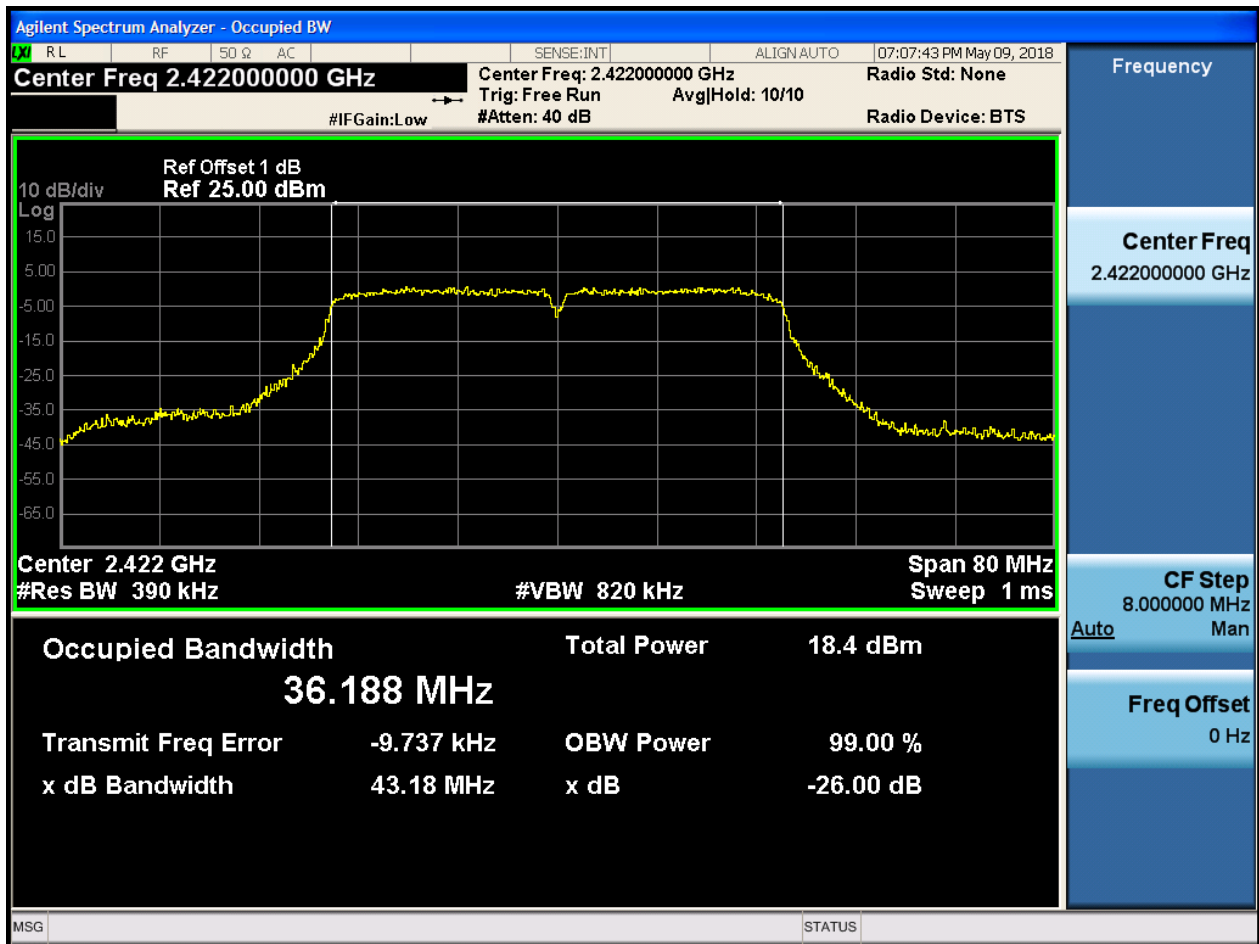


## 2.11 11N20\_H\_2462@Ant 1



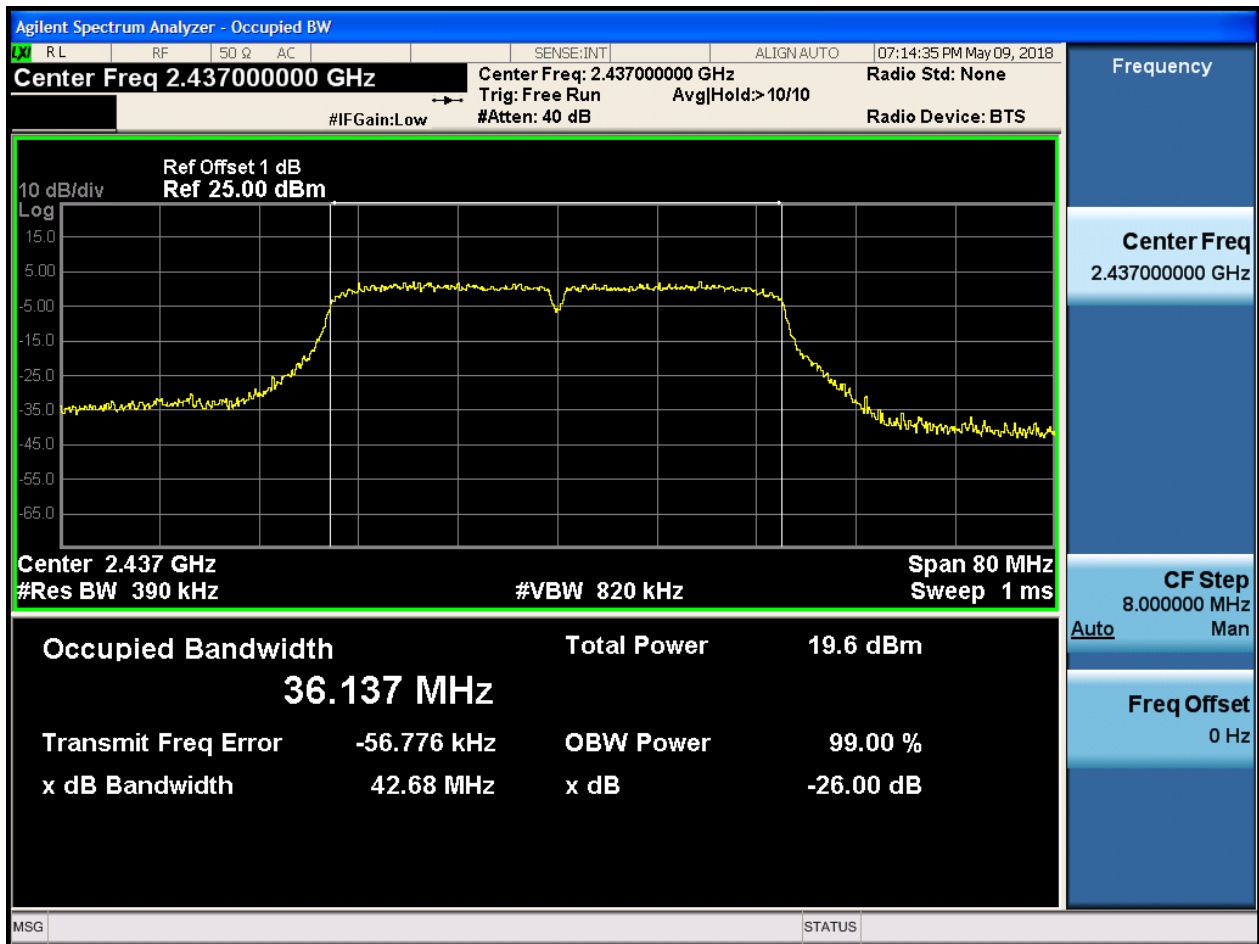


## 2.12 11N40\_L\_2422@Ant 1



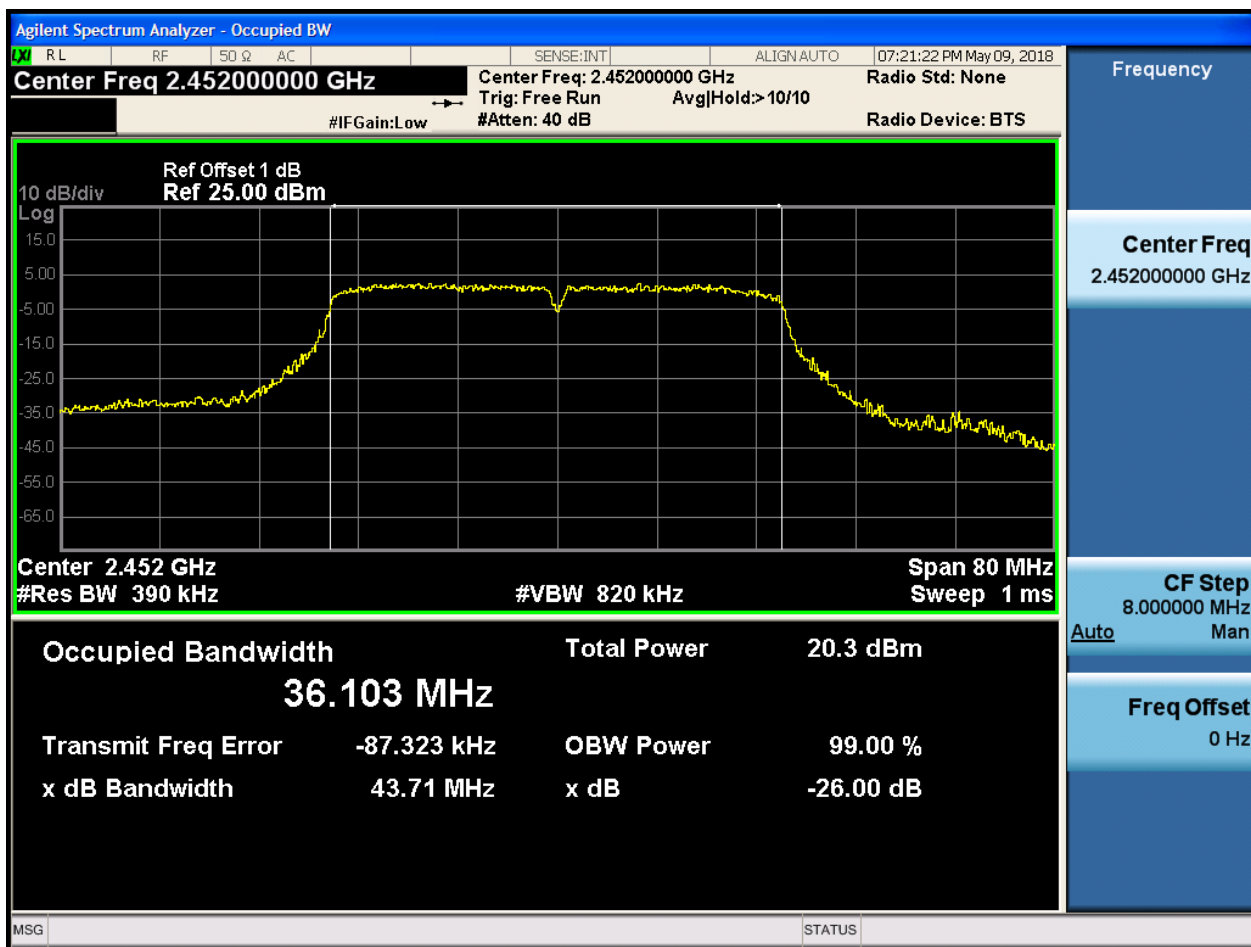


## 2.13 11N40\_M\_2437@Ant 1





## 2.14 11N40\_H\_2452@Ant 1



## Appendix C: Duty Cycle

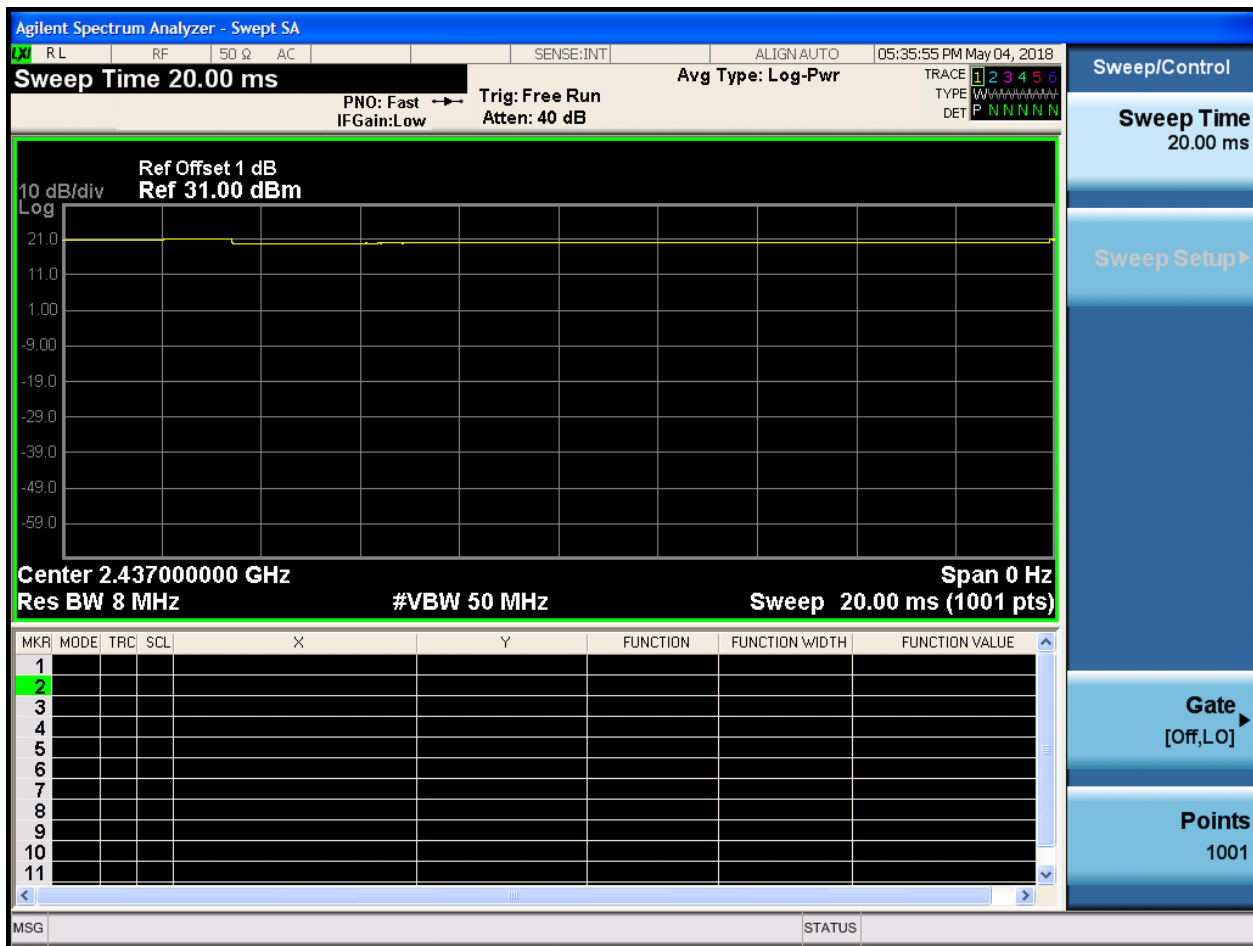
### Part I - Test Results

| Test Mode | TX Freq. [MHz]        | Ant   | Duty cycle [%] |
|-----------|-----------------------|-------|----------------|
| 11B       | CH1,CH6,CH11          | Ant 1 | 100.0          |
| 11G       | CH1,CH2,CH6,CH10,CH11 | Ant 1 | 98.6           |
| 11N20     | CH1,CH6,CH11          | Ant 1 | 98.6           |
| 11N40     | CH3,CH6,CH9           | Ant 1 | 97.2           |

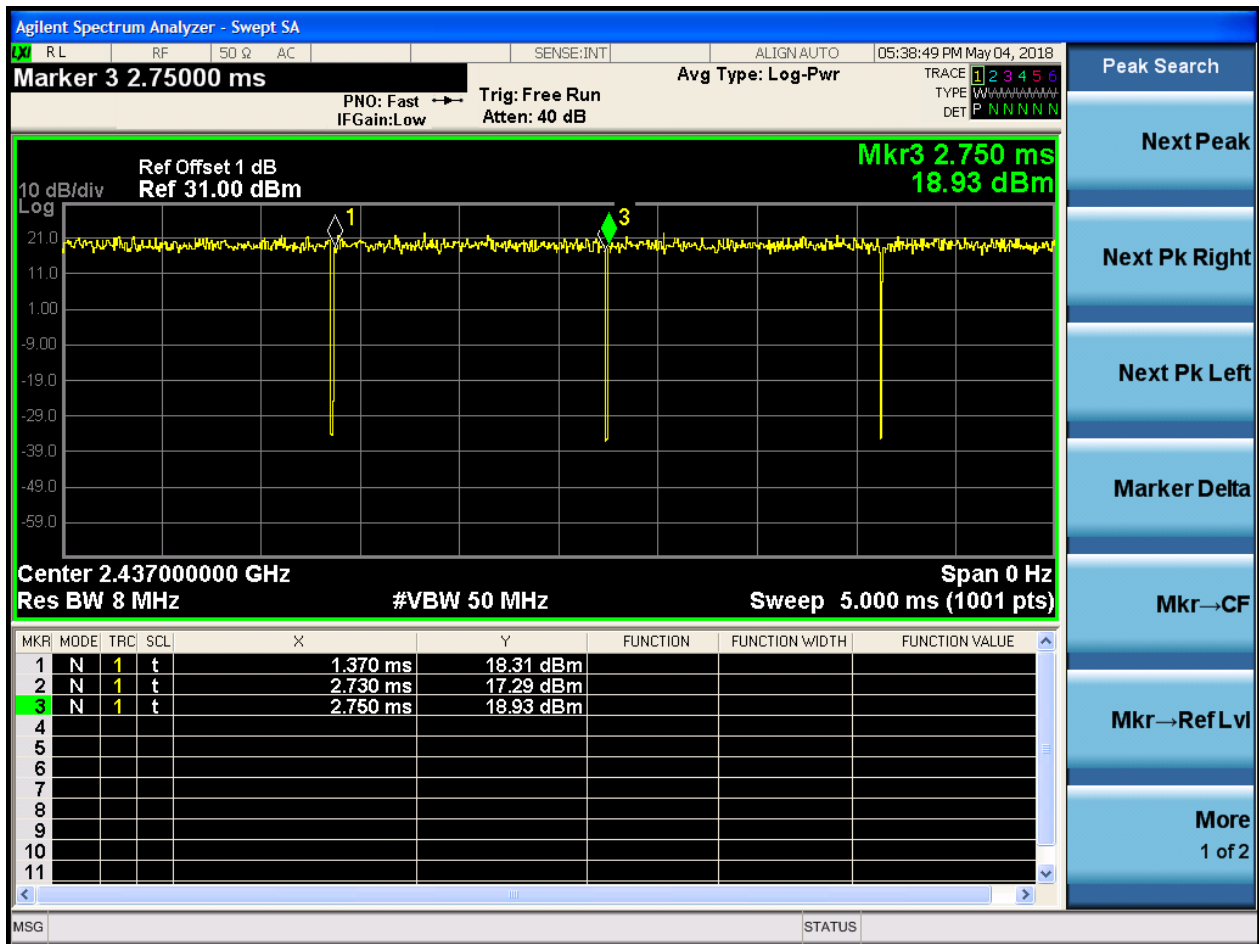


## Part II - Test Plots

## 11B\_ANT1

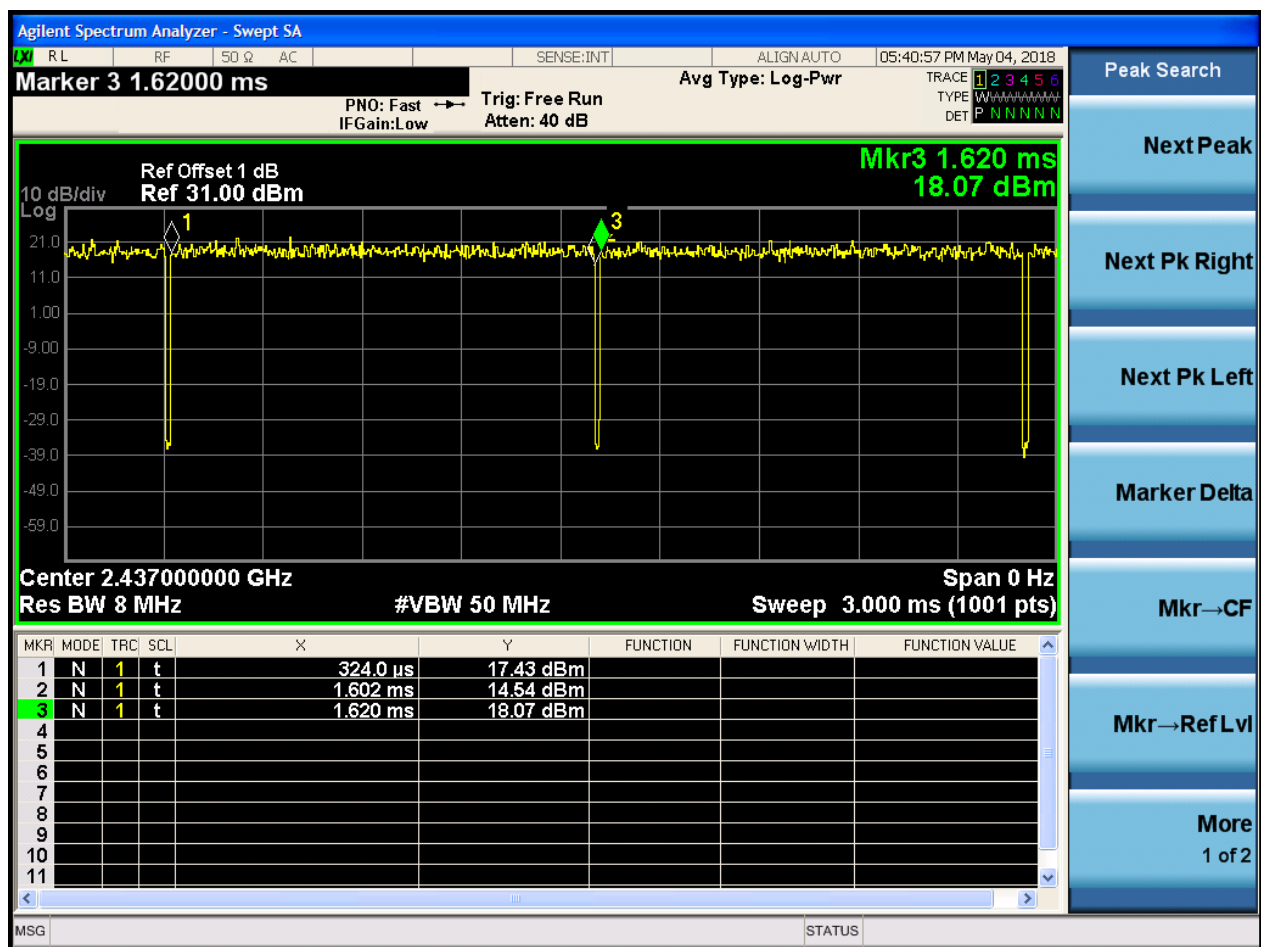


**11G\_ANT1**



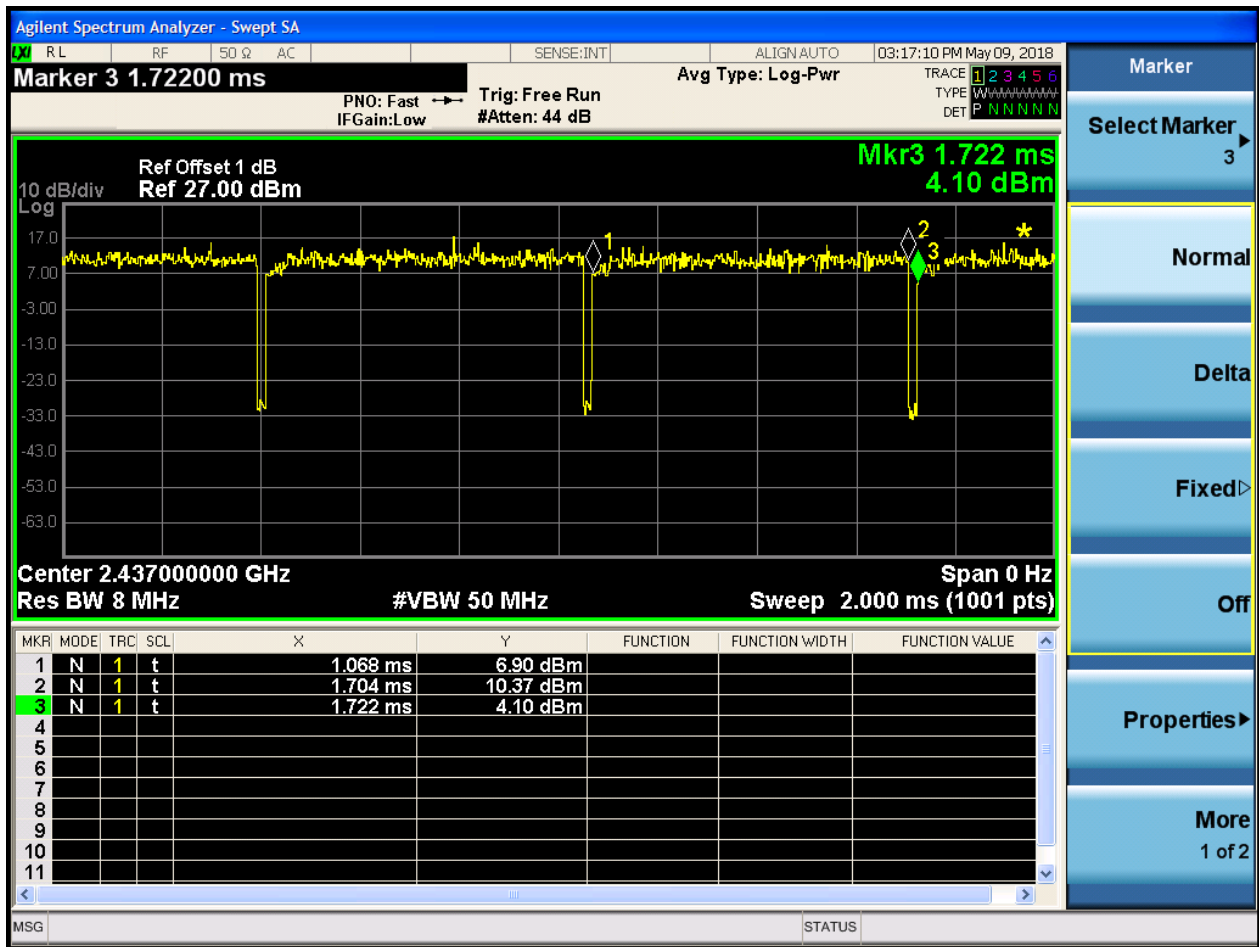


## 11N20\_ANT1





## 11N40\_ANT1



## Appendix D: Maximum Conducted Average Output Power

### Part I - Test Results

| Test Mode | Test Channel | Frequency[MHz] | Ant   | Duty Cycle [%] | Power[dBm] | Verdict |
|-----------|--------------|----------------|-------|----------------|------------|---------|
| 11B       | L            | 2412           | Ant 1 | 100            | 17.16      | pass    |
| 11B       | M            | 2437           | Ant 1 | 100            | 16.87      | pass    |
| 11B       | H            | 2462           | Ant 1 | 100            | 17.47      | pass    |
| 11G       | L            | 2412           | Ant 1 | 98.6           | 14.31      | pass    |
| 11G       | L            | 2417           | Ant 1 | 98.6           | 16.06      | pass    |
| 11G       | M            | 2437           | Ant 1 | 98.6           | 16.59      | pass    |
| 11G       | H            | 2457           | Ant 1 | 98.6           | 16.39      | pass    |
| 11G       | H            | 2462           | Ant 1 | 98.6           | 16.08      | pass    |
| 11N20     | L            | 2412           | Ant 1 | 98.6           | 13.64      | pass    |
| 11N20     | M            | 2437           | Ant 1 | 98.6           | 13.81      | pass    |
| 11N20     | H            | 2462           | Ant 1 | 98.6           | 14.15      | pass    |
| 11N40     | L            | 2422           | Ant 1 | 97.2           | 11.60      | pass    |
| 11N40     | M            | 2437           | Ant 1 | 97.2           | 12.44      | pass    |
| 11N40     | H            | 2452           | Ant 1 | 97.2           | 13.15      | pass    |



## Part II - Test Plots

## 2.1 11B\_L\_2412@Ant 1





## 2.2 11B\_M\_2437@Ant 1



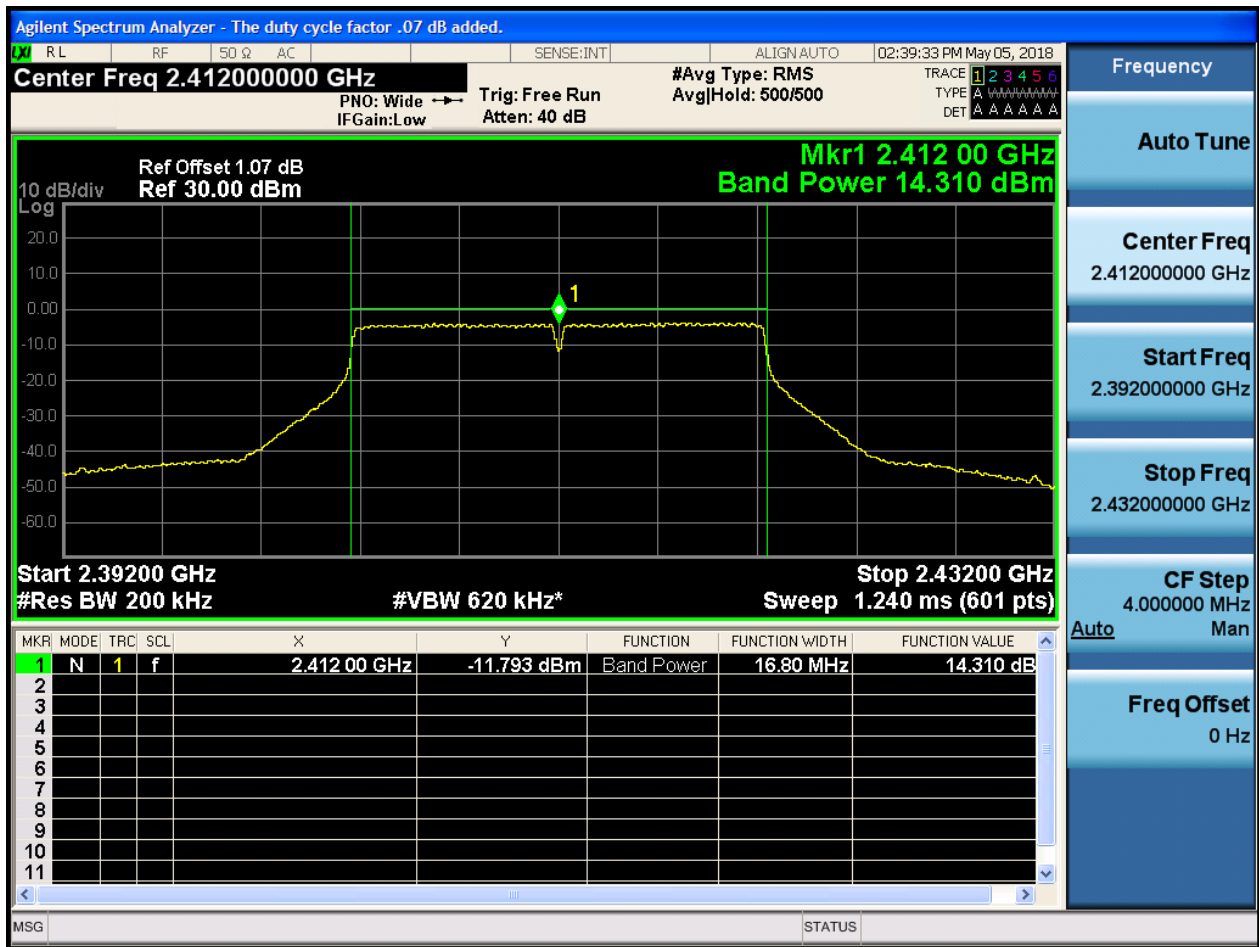


## 2.3 11B\_H\_2462@Ant 1



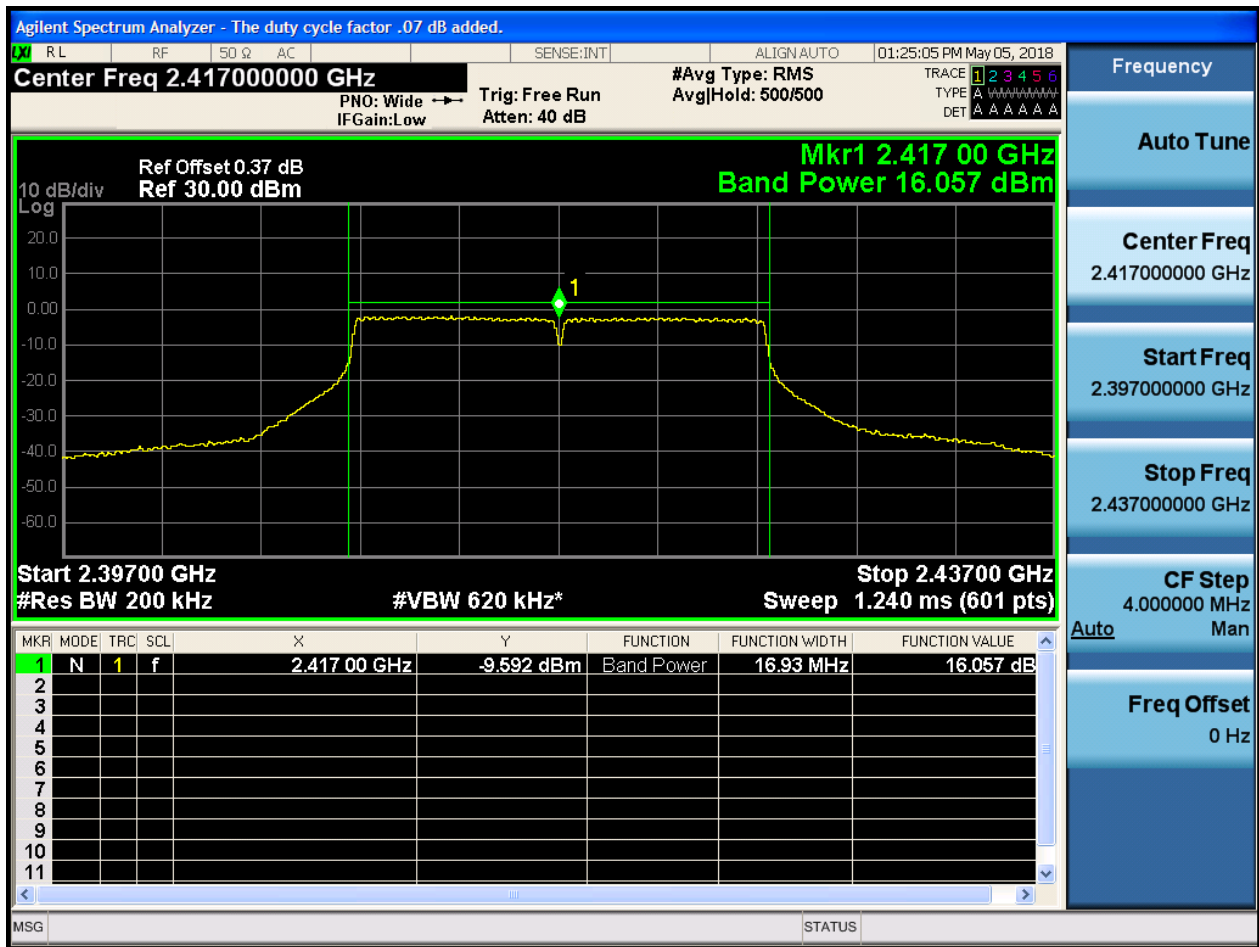


## 2.4 11G\_L\_2412@Ant 1



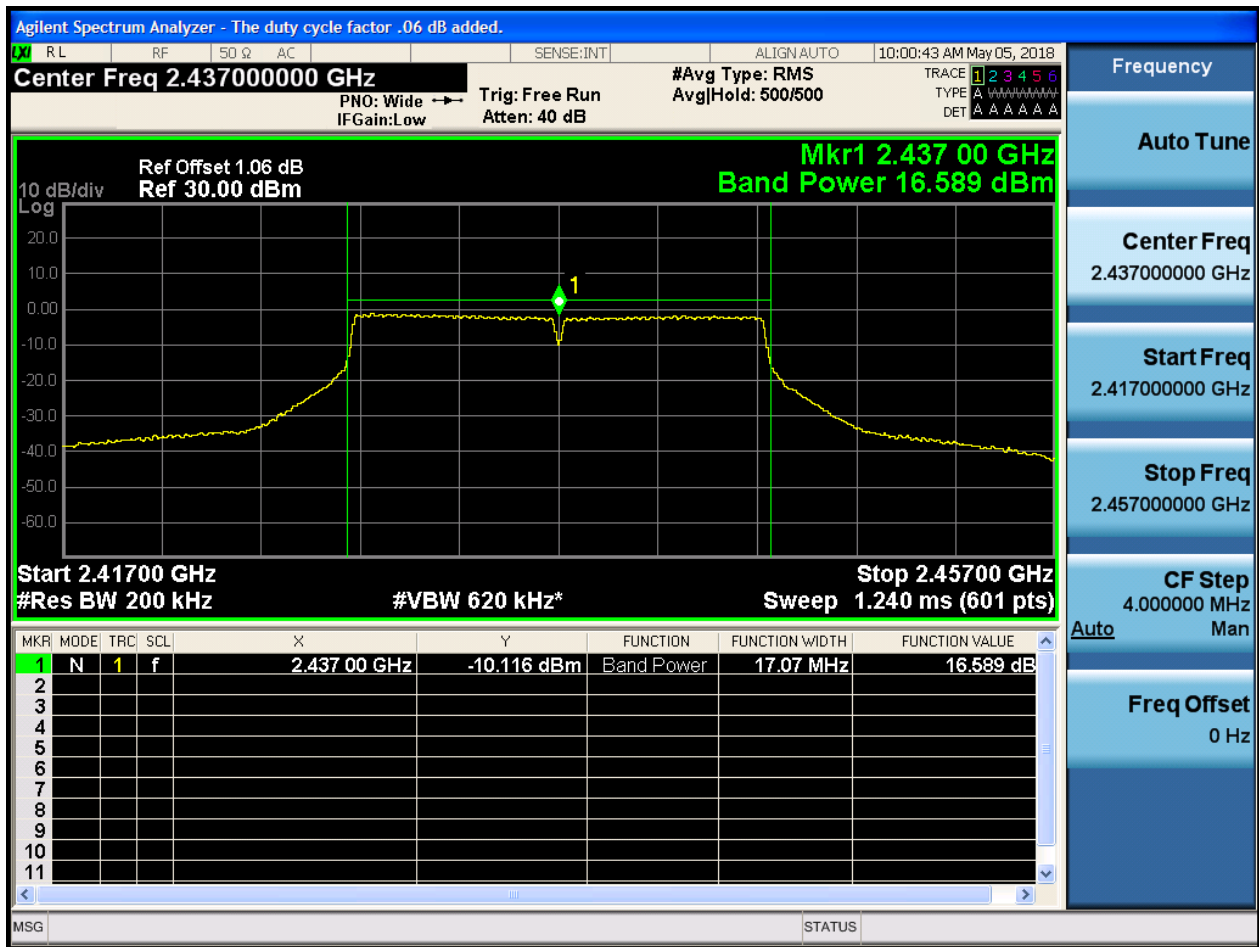


## 2.5 11G\_L\_2417@Ant 1



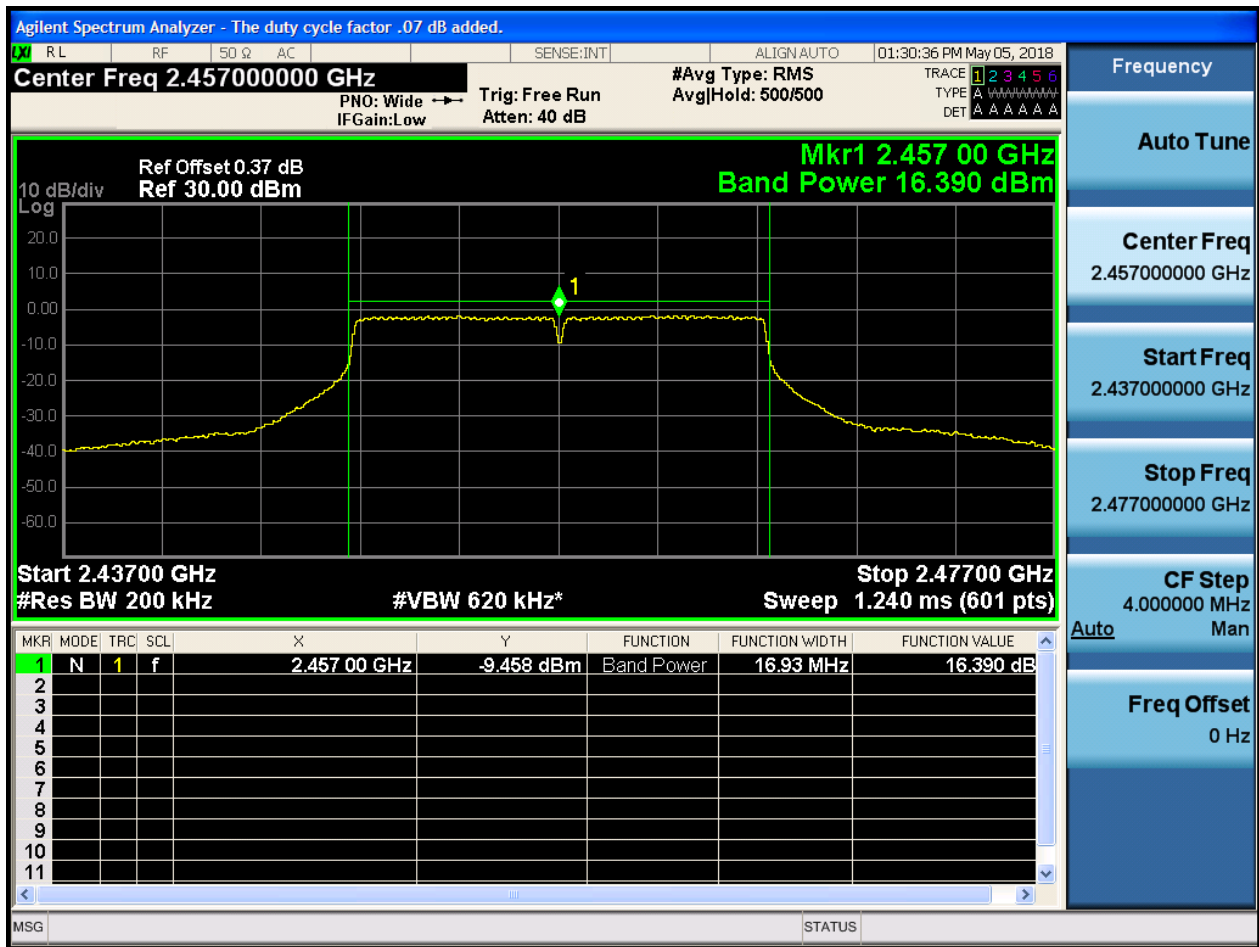


## 2.6 11G\_M\_2442@Ant 1



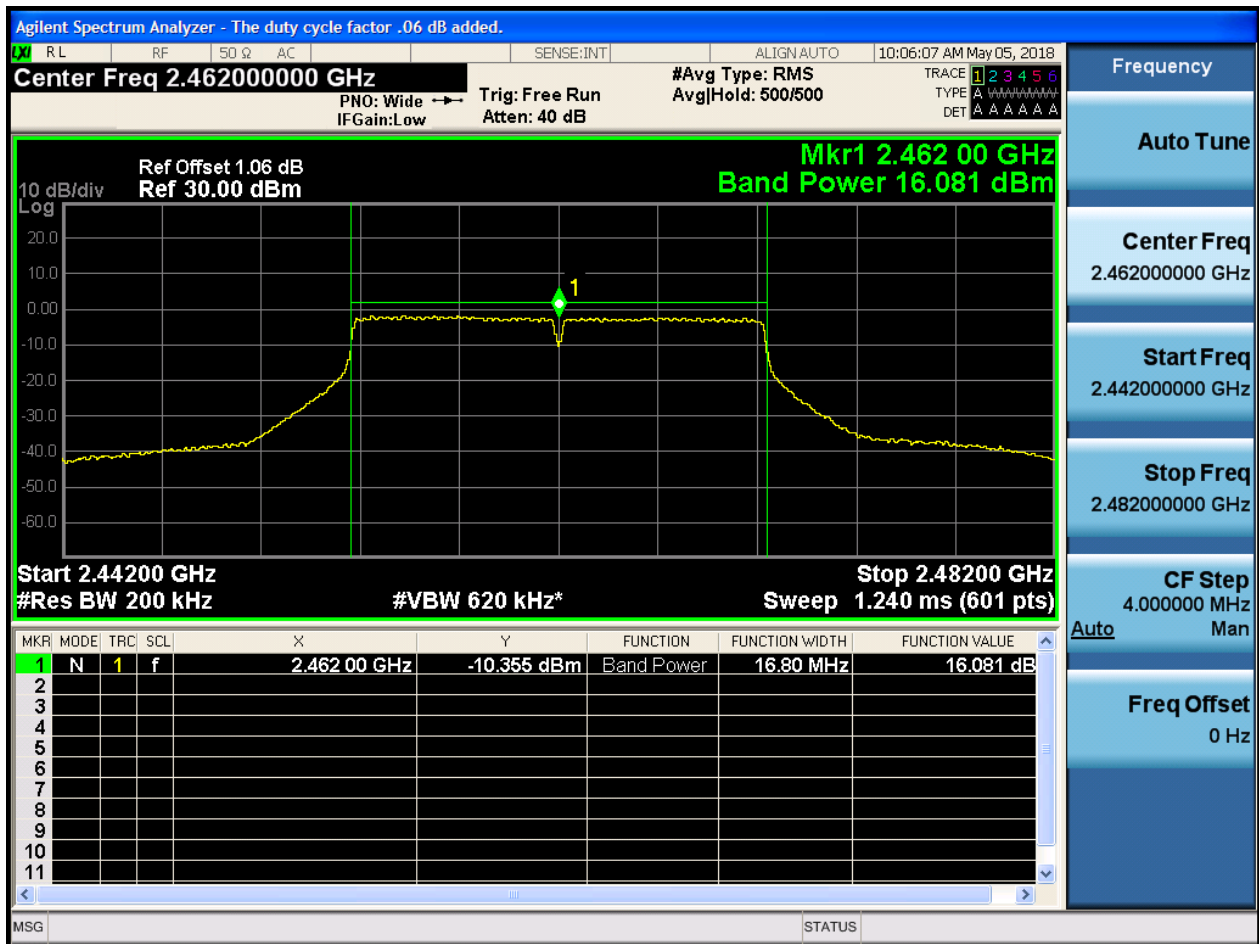


## 2.7 11G\_H\_2457@Ant 1





## 2.8 11G\_H\_2462@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .06 dB added.

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 10:12:37 AM May 05, 2018

**Center Freq 2.41200000 GHz** #Avg Type: RMS AvgHold: 500/500  
 PNO: Wide → Trig: Free Run  
 IFGain:Low Atten: 40 dB

TRACE 1 2 3 4 5 6  
 TYPE A W W W W W W W W  
 DET A A A A A A

Ref Offset 1.06 dB  
 Ref 30.00 dBm

**Mkr1 2.412 00 GHz**  
**Band Power 13.640 dBm**

Start 2.39200 GHz Stop 2.43200 GHz  
 #Res BW 200 kHz #VBW 620 kHz\* Sweep 1.240 ms (601 pts)

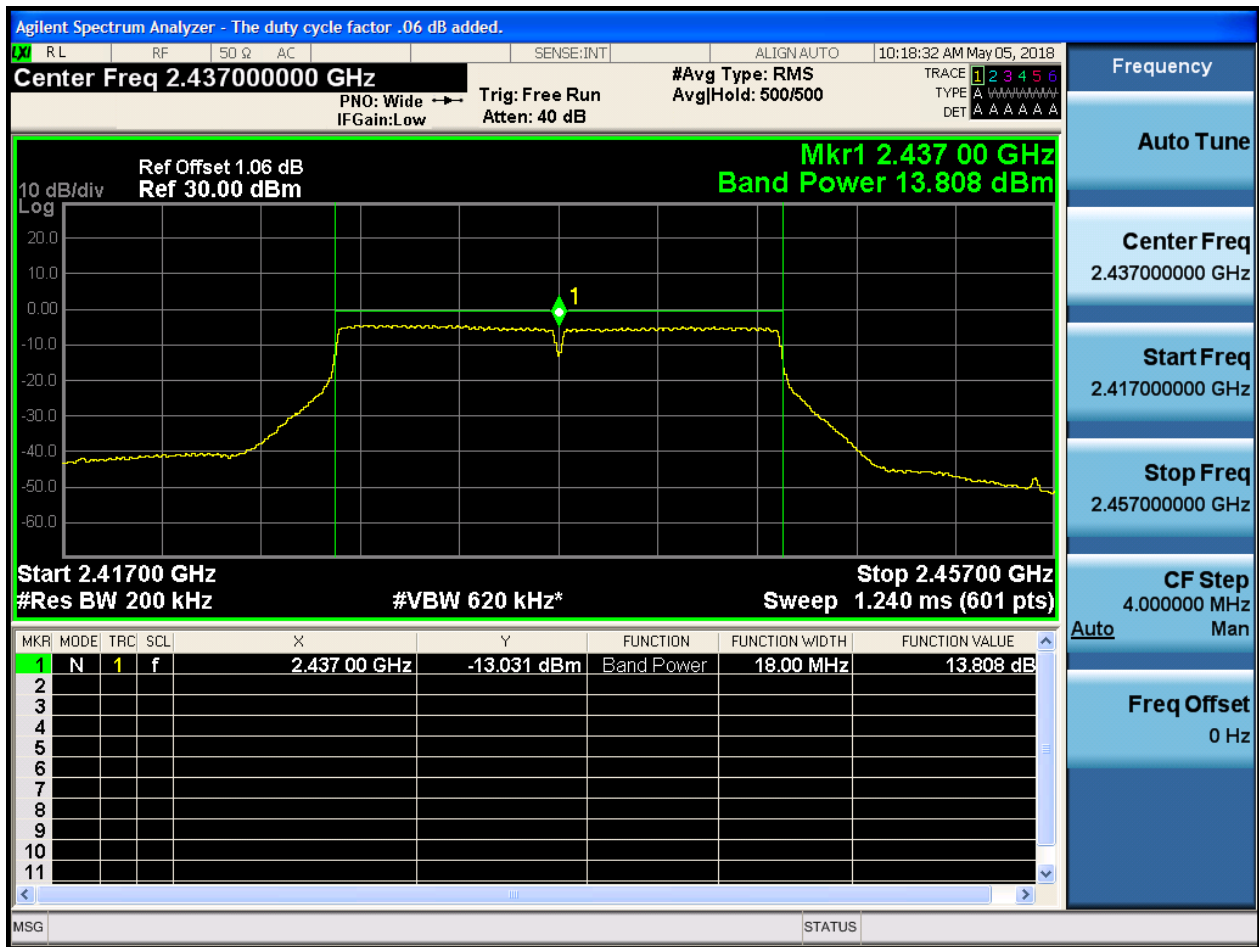
| MKR | MODE | TRC | SCL | X            | Y           | FUNCTION   | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|--------------|-------------|------------|----------------|----------------|
| 1   | N    | 1   | f   | 2.412 00 GHz | -12.744 dBm | Band Power | 17.87 MHz      | 13.640 dB      |
| 2   |      |     |     |              |             |            |                |                |
| 3   |      |     |     |              |             |            |                |                |
| 4   |      |     |     |              |             |            |                |                |
| 5   |      |     |     |              |             |            |                |                |
| 6   |      |     |     |              |             |            |                |                |
| 7   |      |     |     |              |             |            |                |                |
| 8   |      |     |     |              |             |            |                |                |
| 9   |      |     |     |              |             |            |                |                |
| 10  |      |     |     |              |             |            |                |                |
| 11  |      |     |     |              |             |            |                |                |

MSG STATUS

**Frequency**  
 Auto Tune  
 Center Freq 2.41200000 GHz  
 Start Freq 2.392000000 GHz  
 Stop Freq 2.432000000 GHz  
 CF Step 4.000000 MHz  
 Auto Man  
 Freq Offset 0 Hz

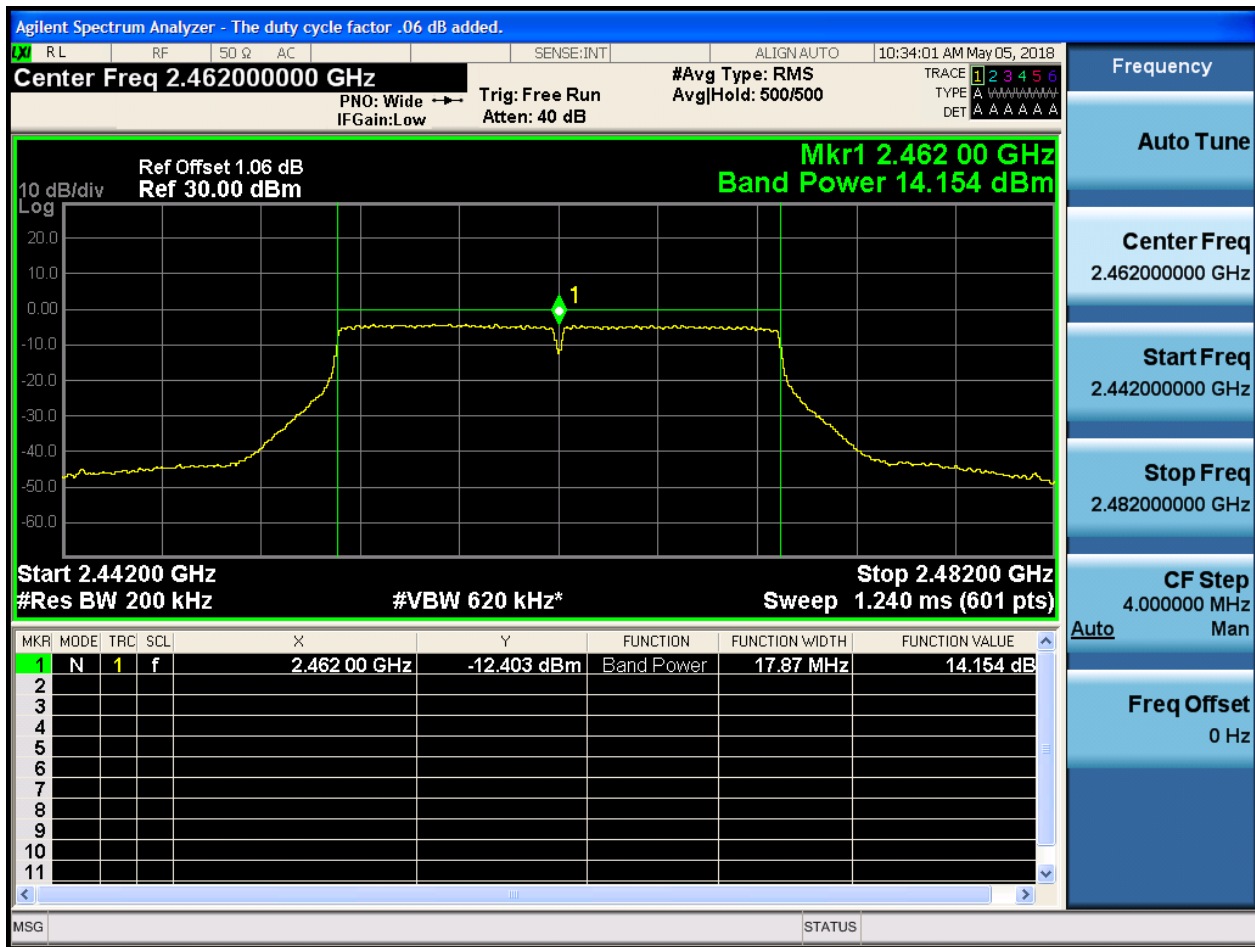


## 2.10 11N20\_M\_2437@Ant 1



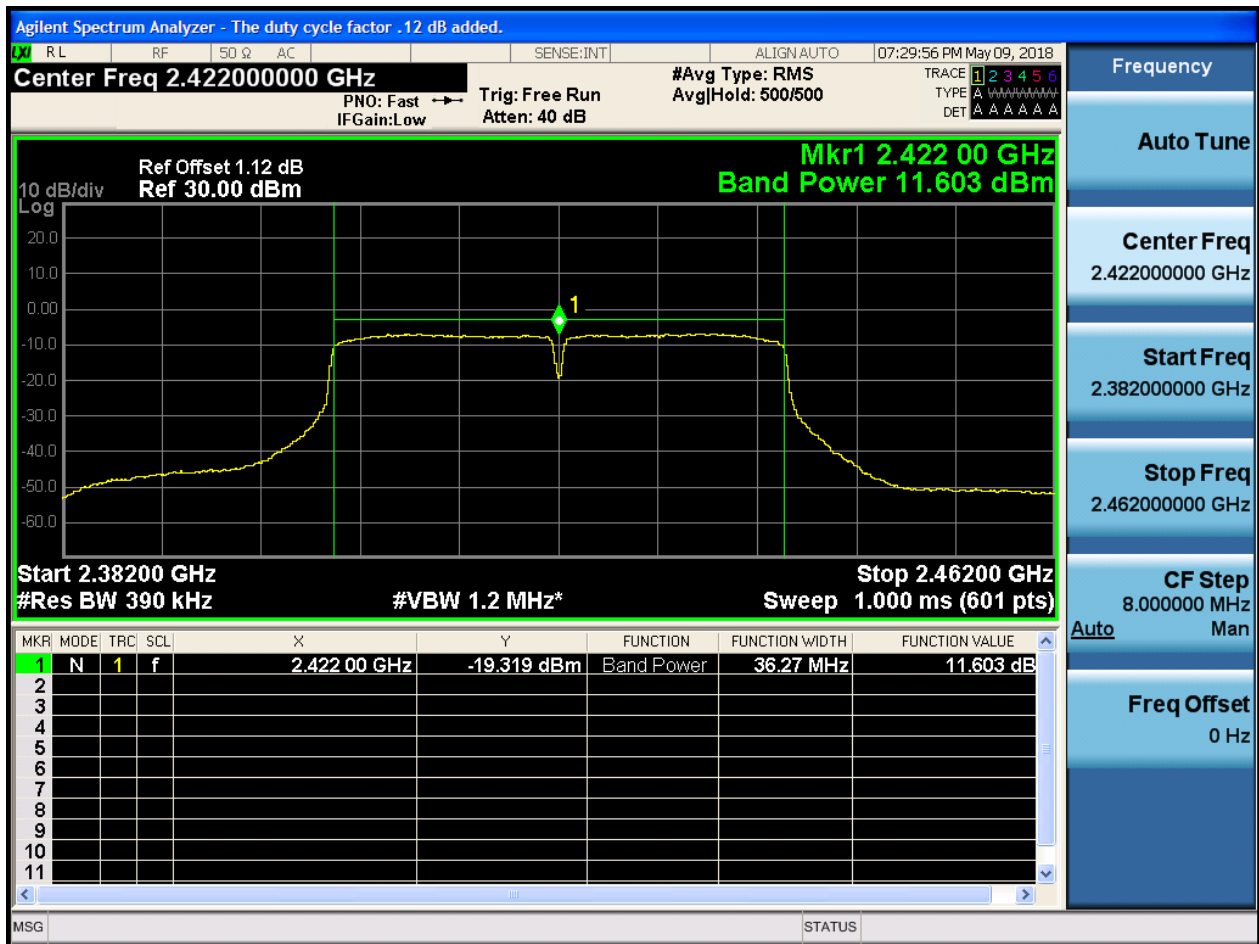


## 2.11 11N20\_H\_2462@Ant 1



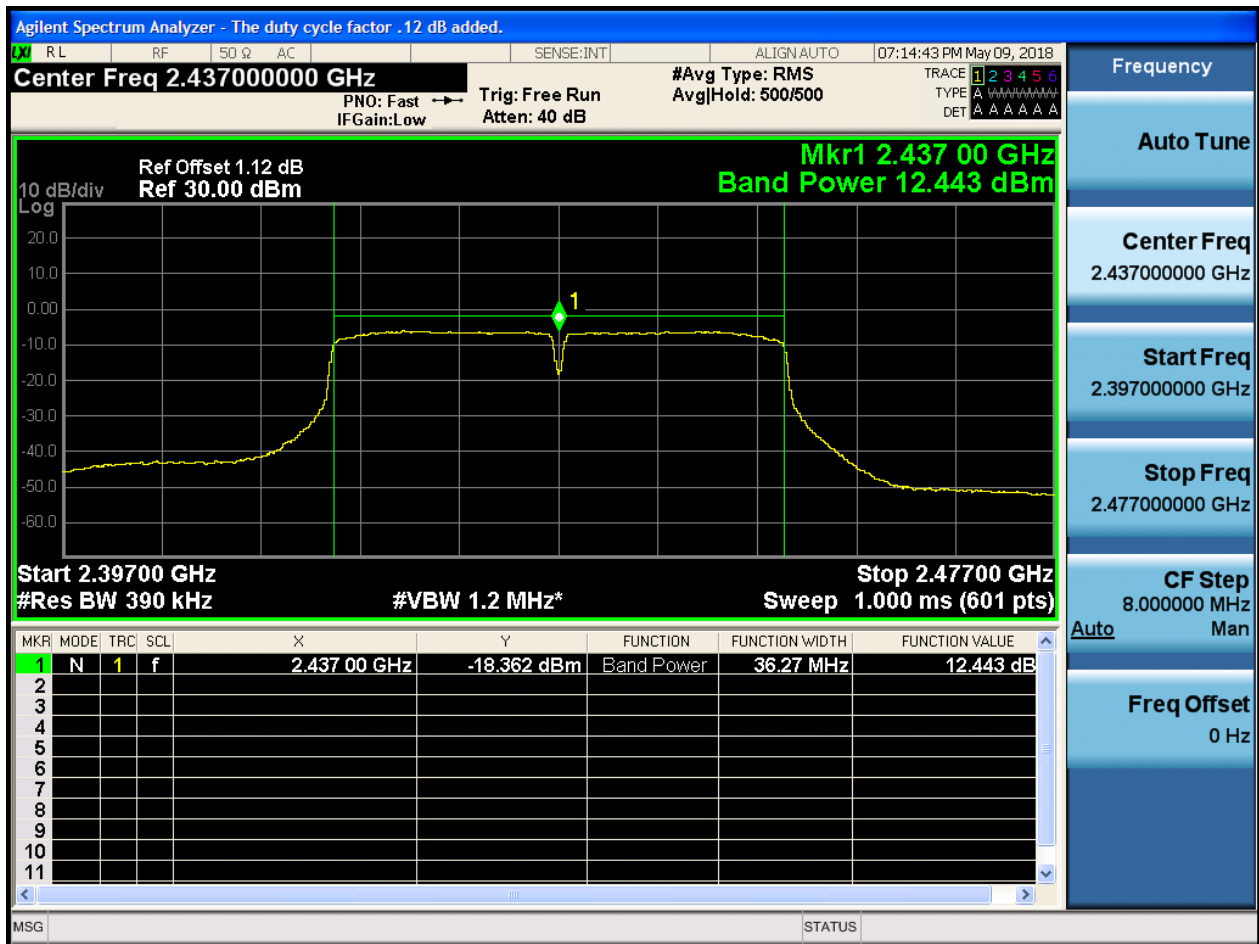


## 2.12 11N40\_L\_2422@Ant 1



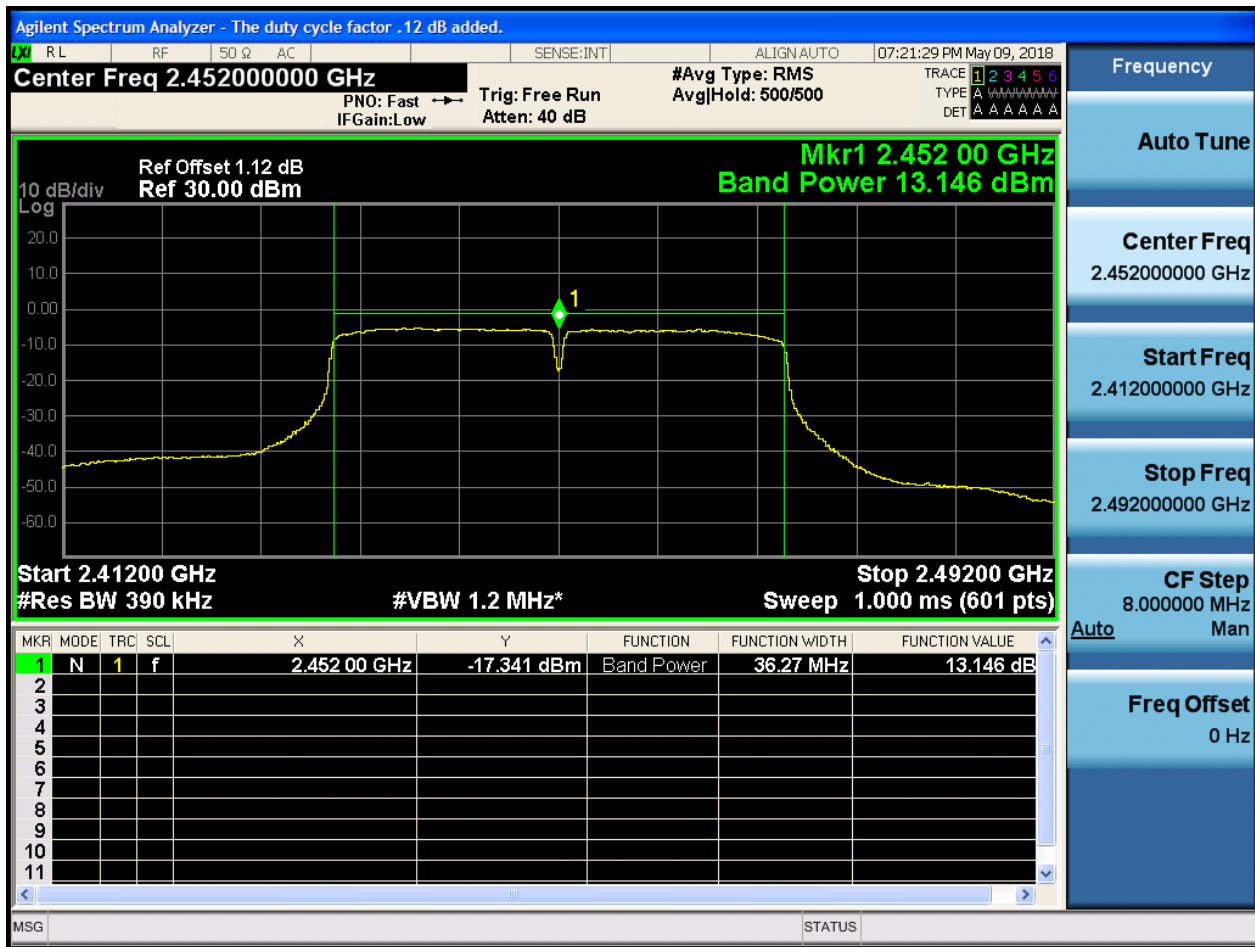


## 2.13 11N40\_M\_2437@Ant 1





## 2.14 11N40\_H\_2452@Ant 1



## Appendix E: Maximum Power Spectral Density Level

### Part I - Test Results

| Test Mode | Test Channel | Frequency[MHz] | Ant   | Duty Cycle [%] | PSD[dBm/10 kHz] | Verdict |
|-----------|--------------|----------------|-------|----------------|-----------------|---------|
| 11B       | L            | 2412           | Ant 1 | 100            | -9.99           | pass    |
| 11B       | M            | 2437           | Ant 1 | 100            | -10.46          | pass    |
| 11B       | H            | 2462           | Ant 1 | 100            | -9.69           | pass    |
| 11G       | L            | 2412           | Ant 1 | 98.6           | -14.84          | pass    |
| 11G       | L            | 2417           | Ant 1 | 98.6           | -13.33          | pass    |
| 11G       | M            | 2437           | Ant 1 | 98.6           | -12.71          | pass    |
| 11G       | H            | 2457           | Ant 1 | 98.6           | -13.11          | pass    |
| 11G       | H            | 2462           | Ant 1 | 98.6           | -13.32          | pass    |
| 11N20     | L            | 2412           | Ant 1 | 98.6           | -15.73          | pass    |
| 11N20     | M            | 2437           | Ant 1 | 98.6           | -15.64          | pass    |
| 11N20     | H            | 2462           | Ant 1 | 98.6           | -15.41          | pass    |
| 11N40     | L            | 2422           | Ant 1 | 97.2           | -20.54          | pass    |
| 11N40     | M            | 2437           | Ant 1 | 97.2           | -18.83          | pass    |
| 11N40     | H            | 2452           | Ant 1 | 97.2           | -18.17          | pass    |



## Part II - Test Plots

## 2.1 11B\_L\_2412@Ant 1





## 2.2 11B\_M\_2437@Ant 1



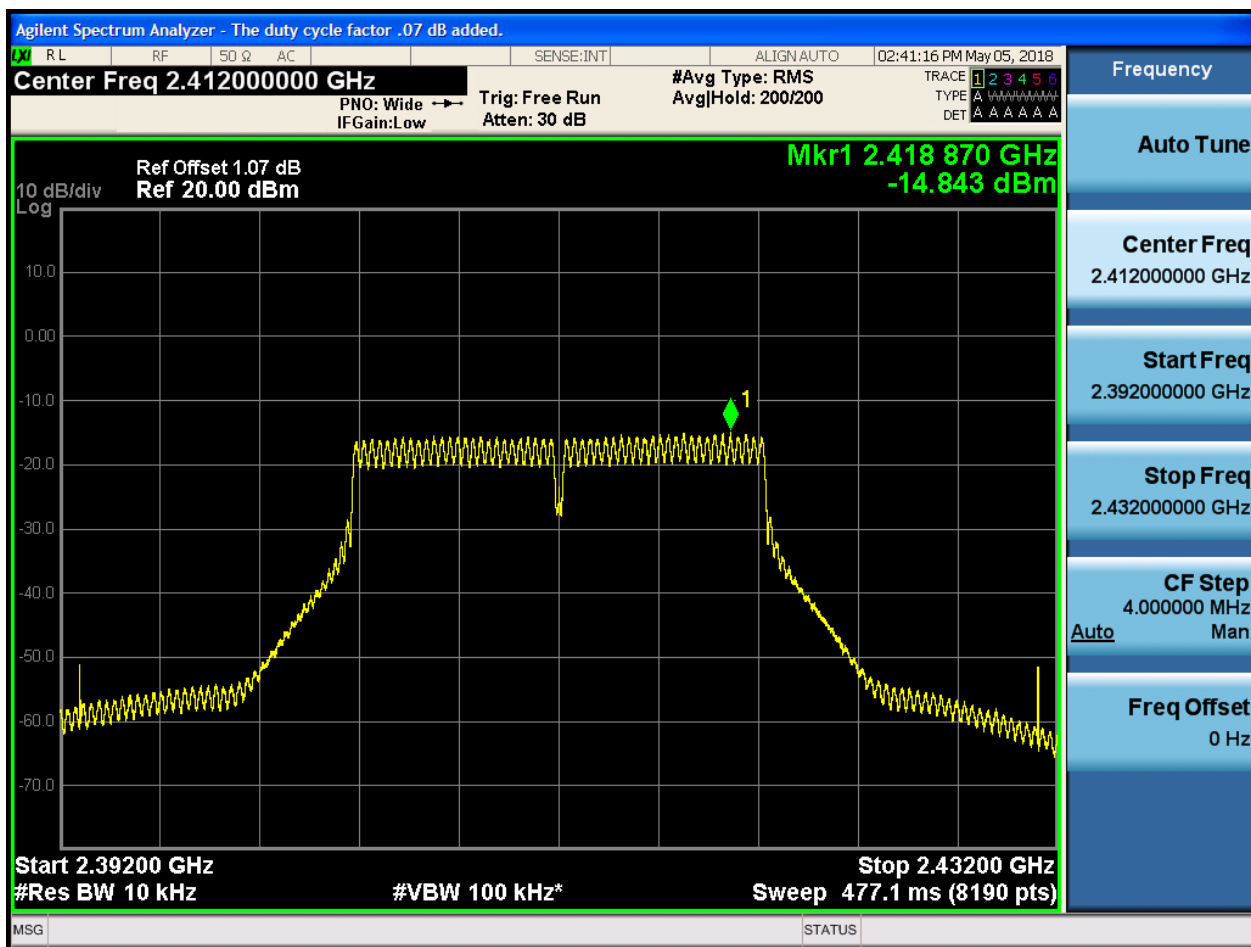


## 2.3 11B\_H\_2462@Ant 1





## 2.4 11G\_L\_2412@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .07 dB added.

Center Freq 2.417000000 GHz

Ref Offset 0.37 dB  
Ref 20.00 dBm

10 dB/div  
Log

Mkr1 2.411 688 GHz  
-13.326 dBm

Start 2.39700 GHz  
#Res BW 10 kHz

Stop 2.43700 GHz  
Sweep 477.1 ms (8190 pts)

#VBW 100 kHz\*

Trig: Free Run  
Atten: 30 dB

PNO: Wide →  
IFGain: Low

#Avg Type: RMS  
Avg/Hold: 200/200

TRACE 1 2 3 4 5 6  
TYPE A W W W W W W W W  
DET A A A A A A

Frequency

Auto Tune

Center Freq  
2.417000000 GHz

Start Freq  
2.397000000 GHz

Stop Freq  
2.437000000 GHz

CF Step  
4.000000 MHz  
Auto Man

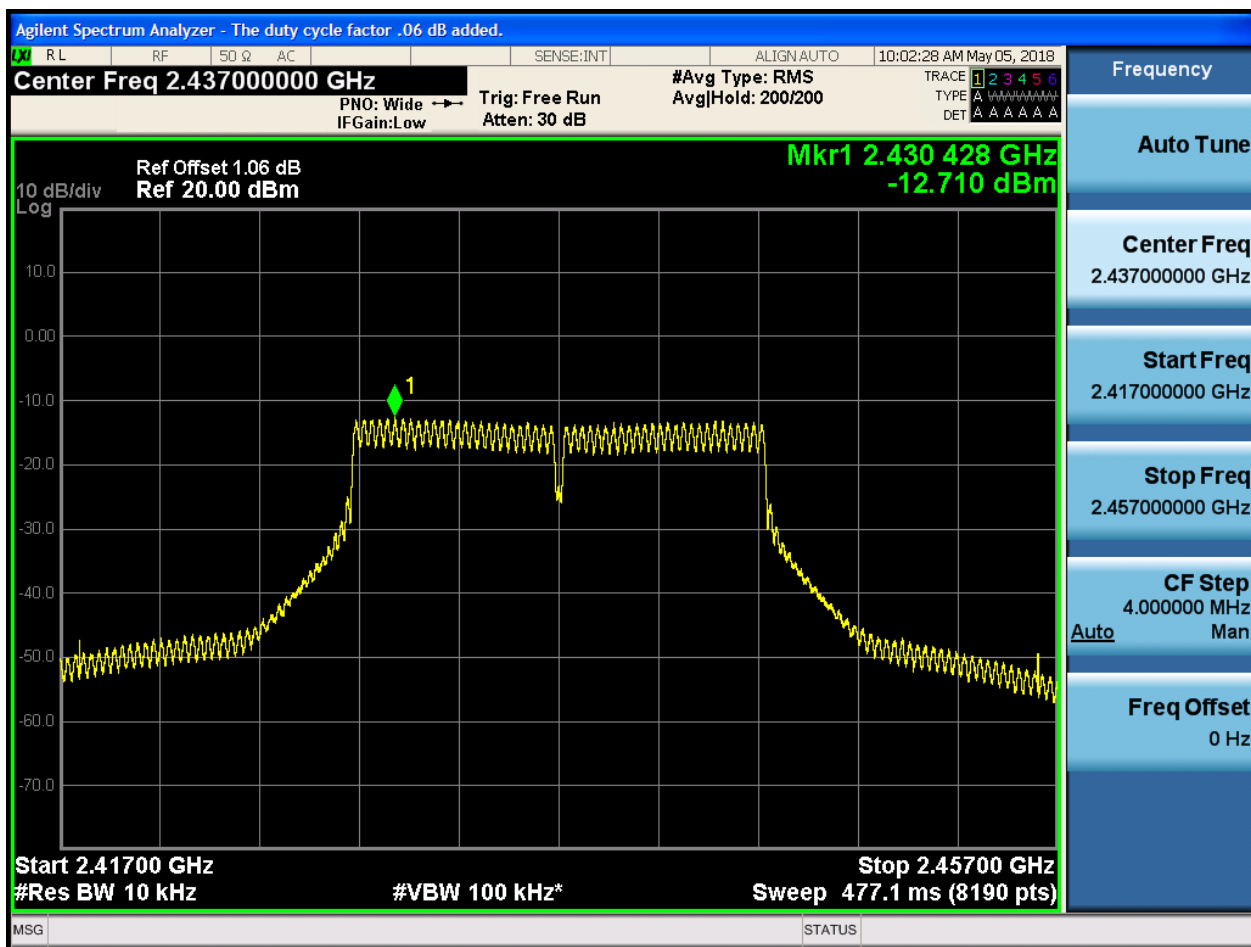
Freq Offset  
0 Hz

MSG STATUS

The image shows a screenshot of an Agilent Spectrum Analyzer. The main display area shows a signal spectrum with a peak at 2.411688 GHz. The y-axis is labeled '10 dB/div Log' and ranges from -70.0 to 10.0. The x-axis is labeled 'Center Freq 2.417000000 GHz'. The peak is marked with a green diamond and labeled '1'. The peak level is -13.326 dBm. The display also shows various settings and measurement data, including 'Ref Offset 0.37 dB', 'Ref 20.00 dBm', 'Start 2.39700 GHz', 'Stop 2.43700 GHz', 'Sweep 477.1 ms (8190 pts)', '#VBW 100 kHz\*', '#Res BW 10 kHz', 'Trig: Free Run', 'Atten: 30 dB', 'PNO: Wide', 'IFGain: Low', '#Avg Type: RMS', 'Avg/Hold: 200/200', 'TRACE 1 2 3 4 5 6', 'TYPE A W W W W W W W W', 'DET A A A A A A', 'Frequency', 'Auto Tune', 'Center Freq 2.417000000 GHz', 'Start Freq 2.397000000 GHz', 'Stop Freq 2.437000000 GHz', 'CF Step 4.000000 MHz', 'Auto Man', 'Freq Offset 0 Hz', 'MSG', and 'STATUS'.

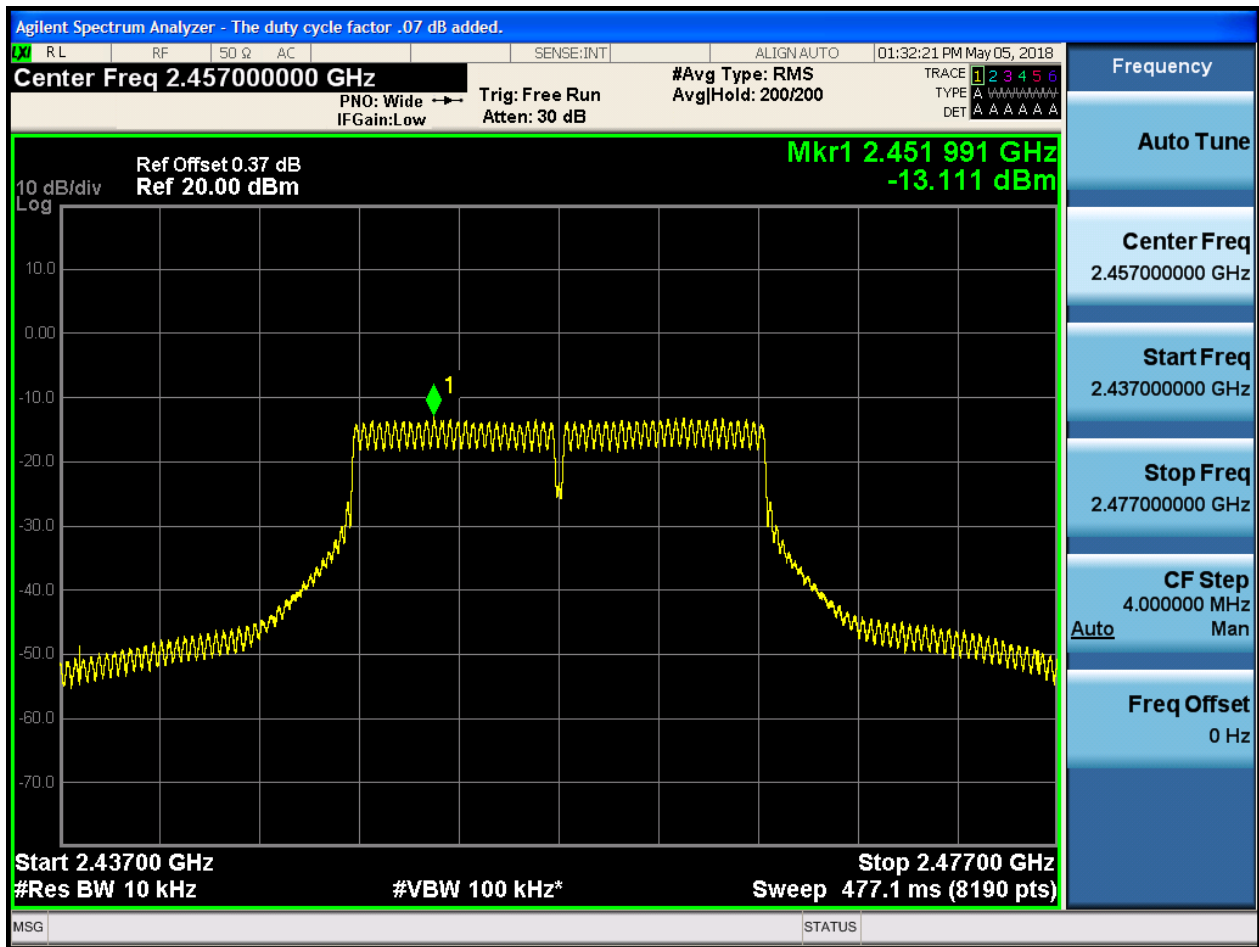


## 2.6 11G\_M\_2437@Ant 1



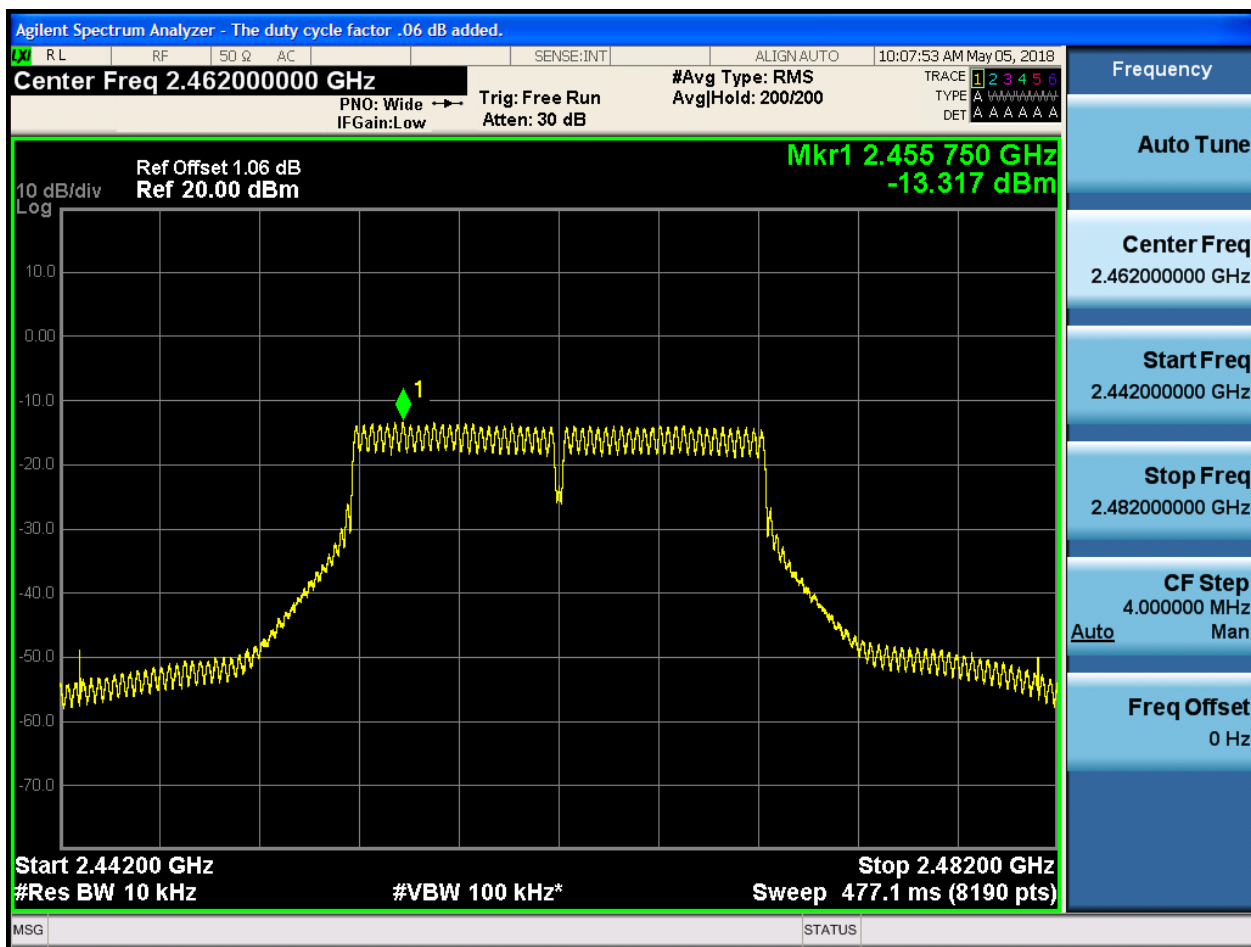


## 2.7 11G\_H\_2457@Ant 1



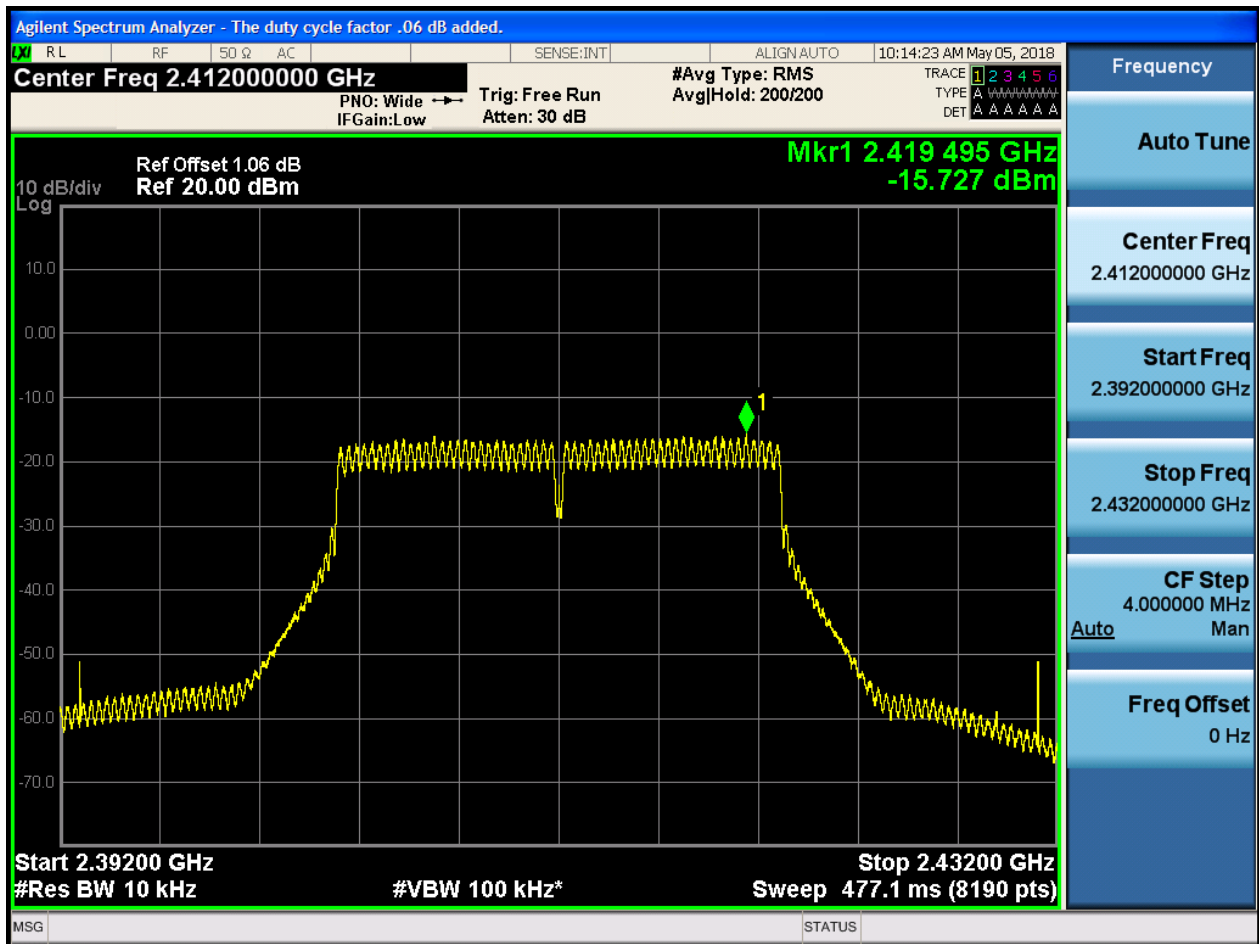


## 2.8 11G\_H\_2462@Ant 1



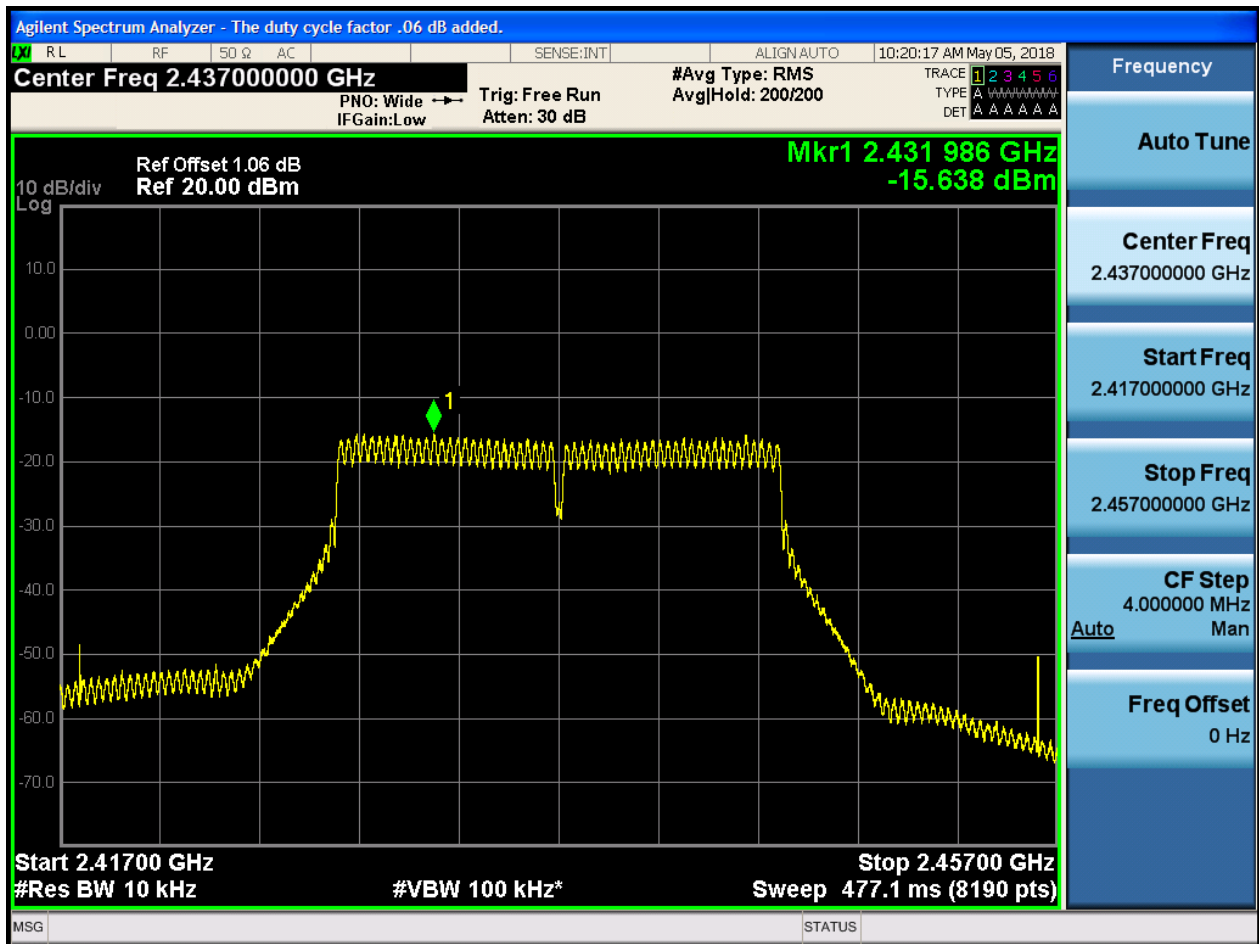


## 2.9 11N20\_L\_2412@Ant 1



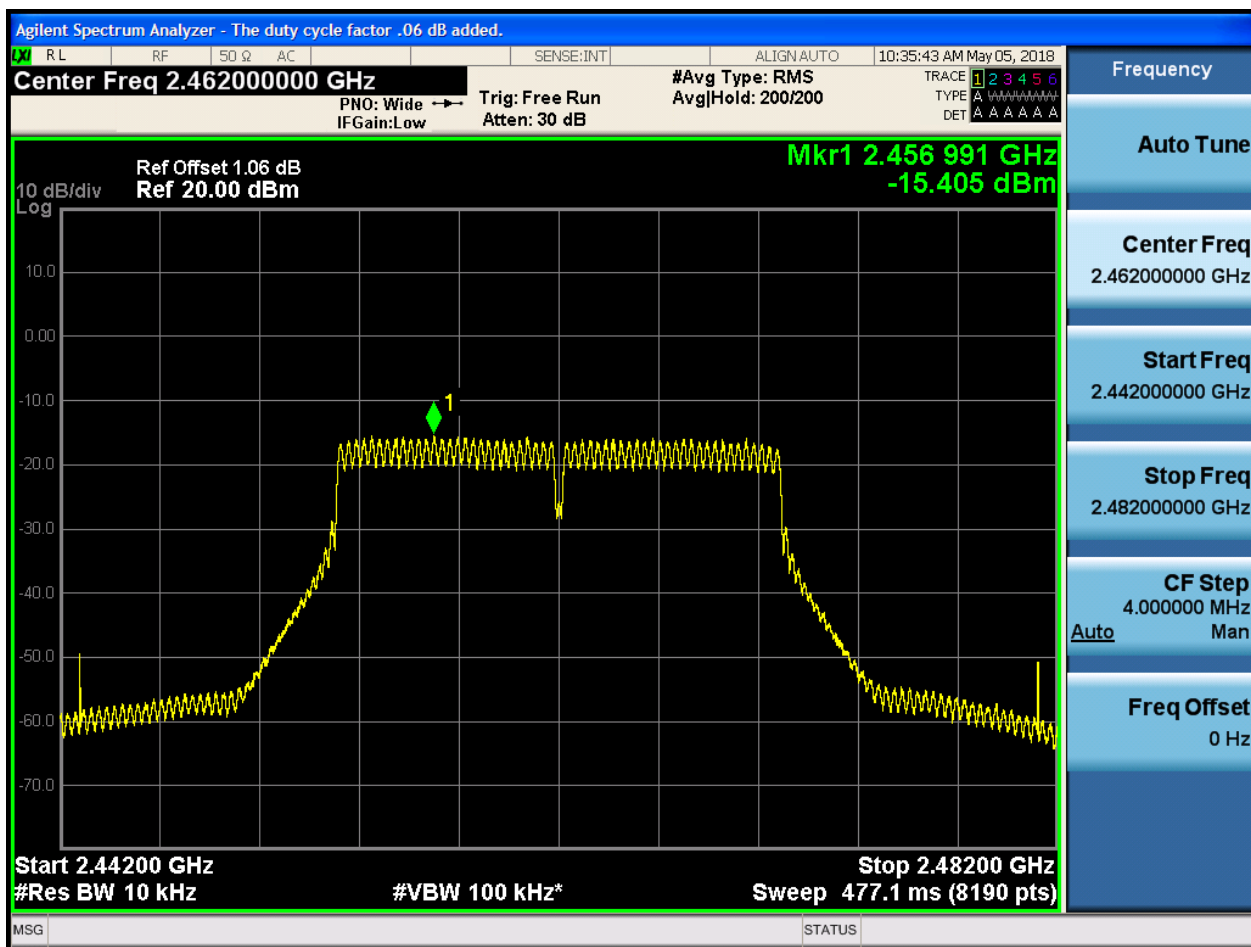


## 2.10 11N20\_M\_2437@Ant 1



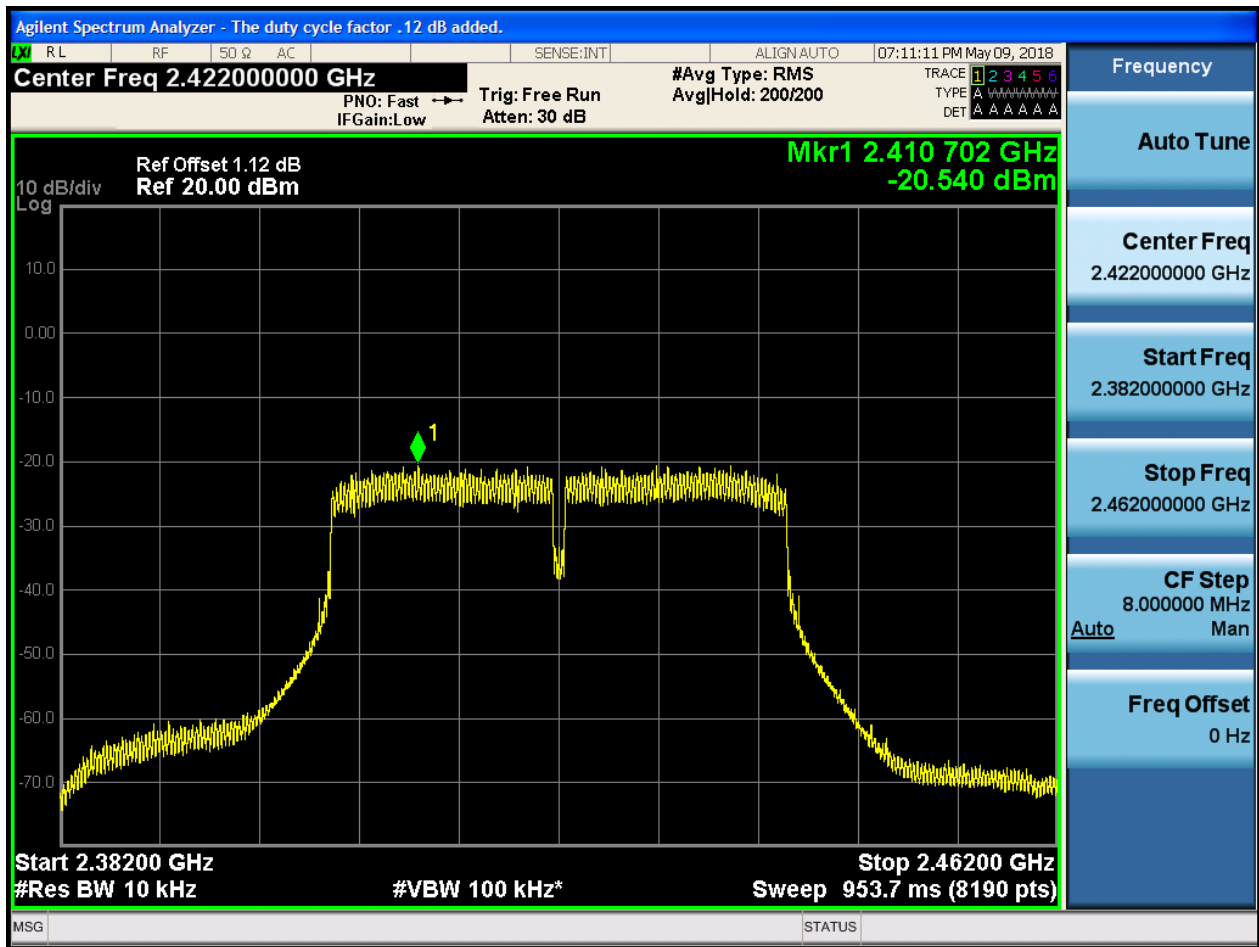


## 2.11 11N20\_H\_2462@Ant 1



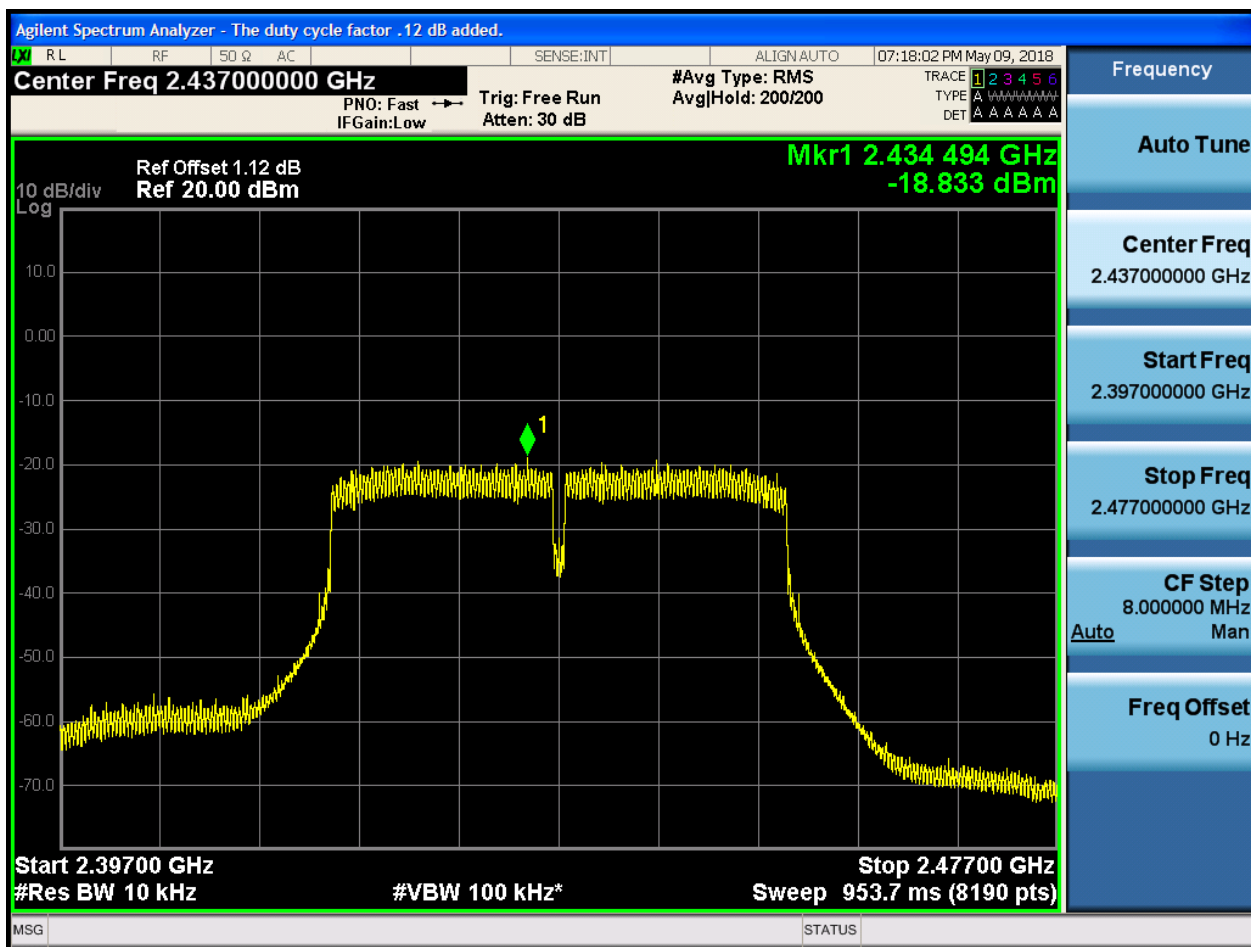


## 2.12 11N40\_L\_2422@Ant 1



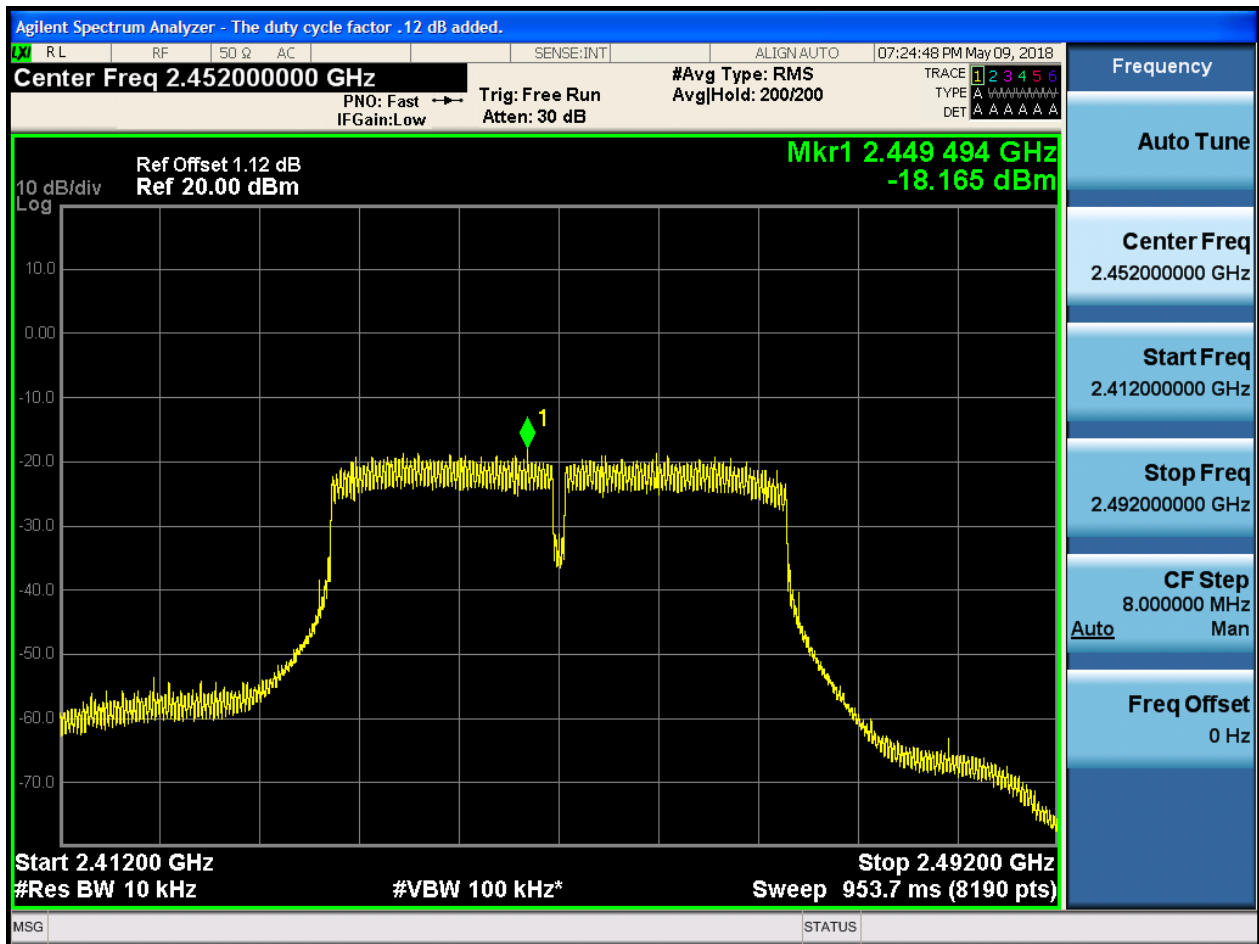


## 2.13 11N40\_M\_2437@Ant 1





## 2.14 11N40\_H\_2452@Ant 1



## Appendix F: Band Edges Compliance

### Part I - Test Results

| Test Mode | Test Channel | Frequency[MHz] | Ant   | Carrier Power[dBm] | Max.Spurious Level[dBm] | Verdict |
|-----------|--------------|----------------|-------|--------------------|-------------------------|---------|
| 11B       | L            | 2412           | Ant 1 | 7.99               | -29.96                  | pass    |
| 11B       | H            | 2462           | Ant 1 | 8.76               | -50.24                  | pass    |
| 11G       | L            | 2412           | Ant 1 | 3.16               | -30.88                  | pass    |
| 11G       | L            | 2417           | Ant 1 | 4.83               | -32.09                  | pass    |
| 11G       | H            | 2457           | Ant 1 | 5.04               | -42.36                  | pass    |
| 11G       | H            | 2462           | Ant 1 | 4.88               | -34.54                  | pass    |
| 11N20     | L            | 2412           | Ant 1 | 2.31               | -33.22                  | pass    |
| 11N20     | H            | 2462           | Ant 1 | 2.88               | -40.24                  | pass    |
| 11N40     | L            | 2422           | Ant 1 | -3.08              | -35.32                  | pass    |
| 11N40     | H            | 2452           | Ant 1 | -1.30              | -45.17                  | pass    |



## Part II - Test Plots

## 2.1 11B\_L\_2412@Ant 1





## 2.2 11B\_H\_2462@Ant 1



[illegible]



## 2.4 11G\_L\_2417@Ant 1





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.471500000 GHz

Ref Offset 0.3 dB  
Ref 30.00 dBm

Mkr2 2.483 50 GHz  
-42.356 dBm

Start 2.44650 GHz  
#Res BW 100 kHz

Stop 2.49650 GHz  
#Sweep 100.0 ms (1001 pts)

#VBW 300 kHz

Trig: Free Run  
Atten: 40 dB

Frequency

Auto Tune

Center Freq  
2.471500000 GHz

Start Freq  
2.446500000 GHz

Stop Freq  
2.496500000 GHz

CF Step  
5.000000 MHz  
Man

Freq Offset  
0 Hz

| MKR | MODE | TRC | SCL | X            | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|--------------|-------------|----------|----------------|----------------|
| 1   | N    | 1   | f   | 2.462 00 GHz | 5.039 dBm   |          |                |                |
| 2   | N    | 1   | f   | 2.483 50 GHz | -42.356 dBm |          |                |                |
| 3   |      |     |     |              |             |          |                |                |
| 4   |      |     |     |              |             |          |                |                |
| 5   |      |     |     |              |             |          |                |                |
| 6   |      |     |     |              |             |          |                |                |
| 7   |      |     |     |              |             |          |                |                |
| 8   |      |     |     |              |             |          |                |                |
| 9   |      |     |     |              |             |          |                |                |
| 10  |      |     |     |              |             |          |                |                |
| 11  |      |     |     |              |             |          |                |                |

MSG

STATUS



## 2.6 11G\_H\_2462@Ant 1





**Agilent Spectrum Analyzer - Swept SA**

Center Freq: 2.40000000 GHz  
 PNO: Wide → Trig: Free Run  
 IFGain: Low Atten: 40 dB

Avg Type: Log-Pwr  
 AvgHold: 10/10

TRACE 1 2 3 4 5 6  
 TYPE M W W W W W W W  
 DET P P P P P P

Ref Offset 1 dB  
 Ref 30.00 dBm

Mkr2 2.400 00 GHz  
 -33.222 dBm

Start 2.38000 GHz  
 #Res BW 100 kHz

Stop 2.42000 GHz  
 #Sweep 100.0 ms (601 pts)

| MKR | MODE | TRC | SCL | X            | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|--------------|-------------|----------|----------------|----------------|
| 1   | N    | 1   | f   | 2.419 53 GHz | 2.311 dBm   |          |                |                |
| 2   | N    | 1   | f   | 2.400 00 GHz | -33.222 dBm |          |                |                |
| 3   |      |     |     |              |             |          |                |                |
| 4   |      |     |     |              |             |          |                |                |
| 5   |      |     |     |              |             |          |                |                |
| 6   |      |     |     |              |             |          |                |                |
| 7   |      |     |     |              |             |          |                |                |
| 8   |      |     |     |              |             |          |                |                |
| 9   |      |     |     |              |             |          |                |                |
| 10  |      |     |     |              |             |          |                |                |
| 11  |      |     |     |              |             |          |                |                |

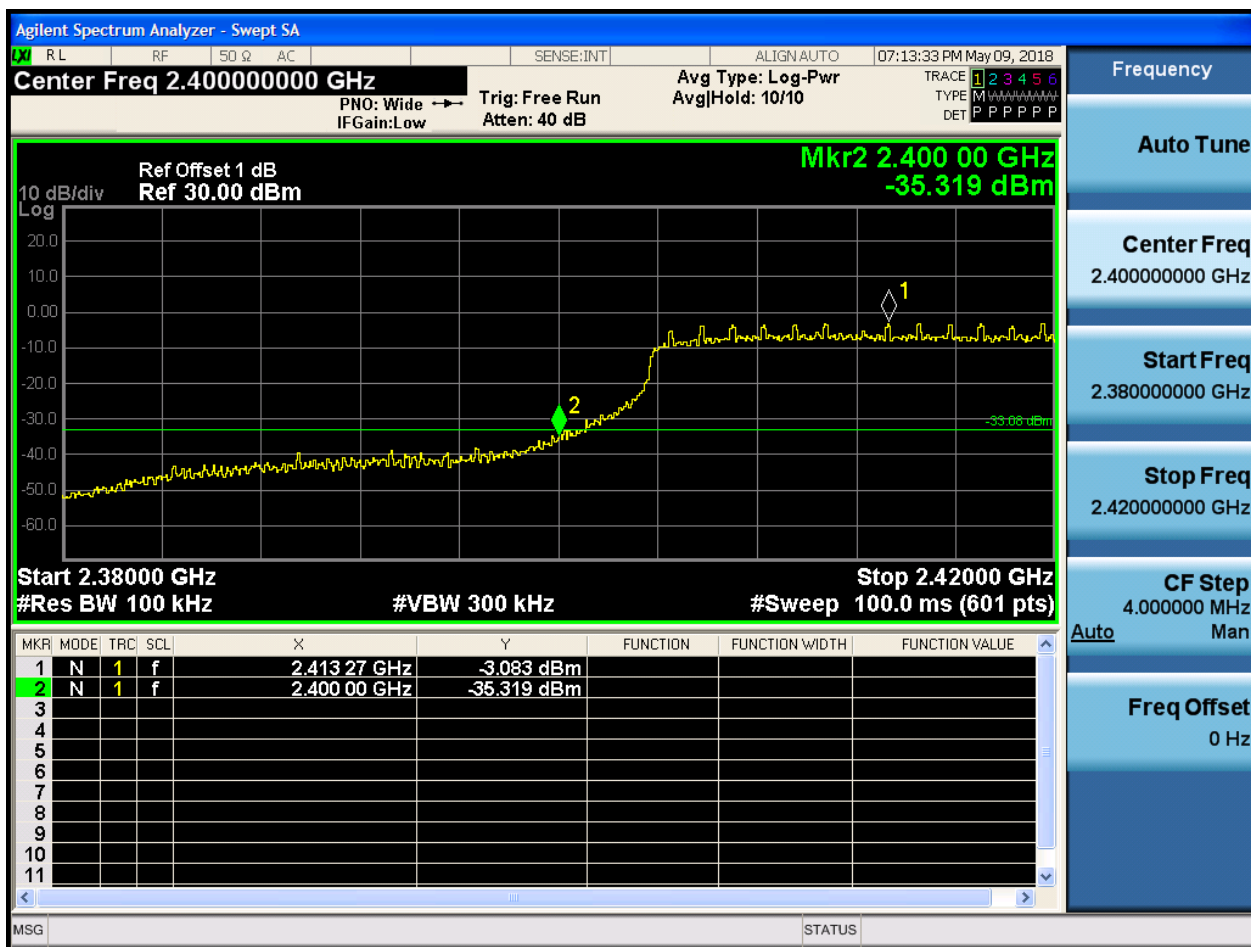
Frequency: Auto Tune  
 Center Freq: 2.40000000 GHz  
 Start Freq: 2.380000000 GHz  
 Stop Freq: 2.420000000 GHz  
 CF Step: 4.000000 MHz Man  
 Freq Offset: 0 Hz



## 2.8 11N20\_H\_2462@Ant 1



**2.9 11N40\_L\_2422@Ant 1**





## 2.10 11N40\_H\_2452@Ant 1



## Appendix G: Unwanted Emissions into Non-Restricted Frequency

### Bands

In this Appendix, the "Pref", which is used as the reference level, refers to the peak power level in any 100 kHz bandwidth within the fundamental emission, the "Puw" refers to the maximum emission power in 100 kHz band segments outside of the authorized frequency band.

Considering that the higher ratio of RBW to the span for the frequency ranges below 30 MHz makes the results determination be complicated, a narrower RBW other than 100 kHz is used for these ranges. The measured value should add a RBW correction factor (RBWCF) where  $RBWCF [dB] = 10 \times \lg(100 [kHz]/\text{narrower RBW} [kHz])$ . As to this Appendix, the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain and used as respective results for each chain, due to the relative-limit requirement.

In the result table, the "< Limit" denotes that "The Puw [dBm] is less than Pref[dBm]-30[dBm], see test plots for detailed".

### Part I - Test Results

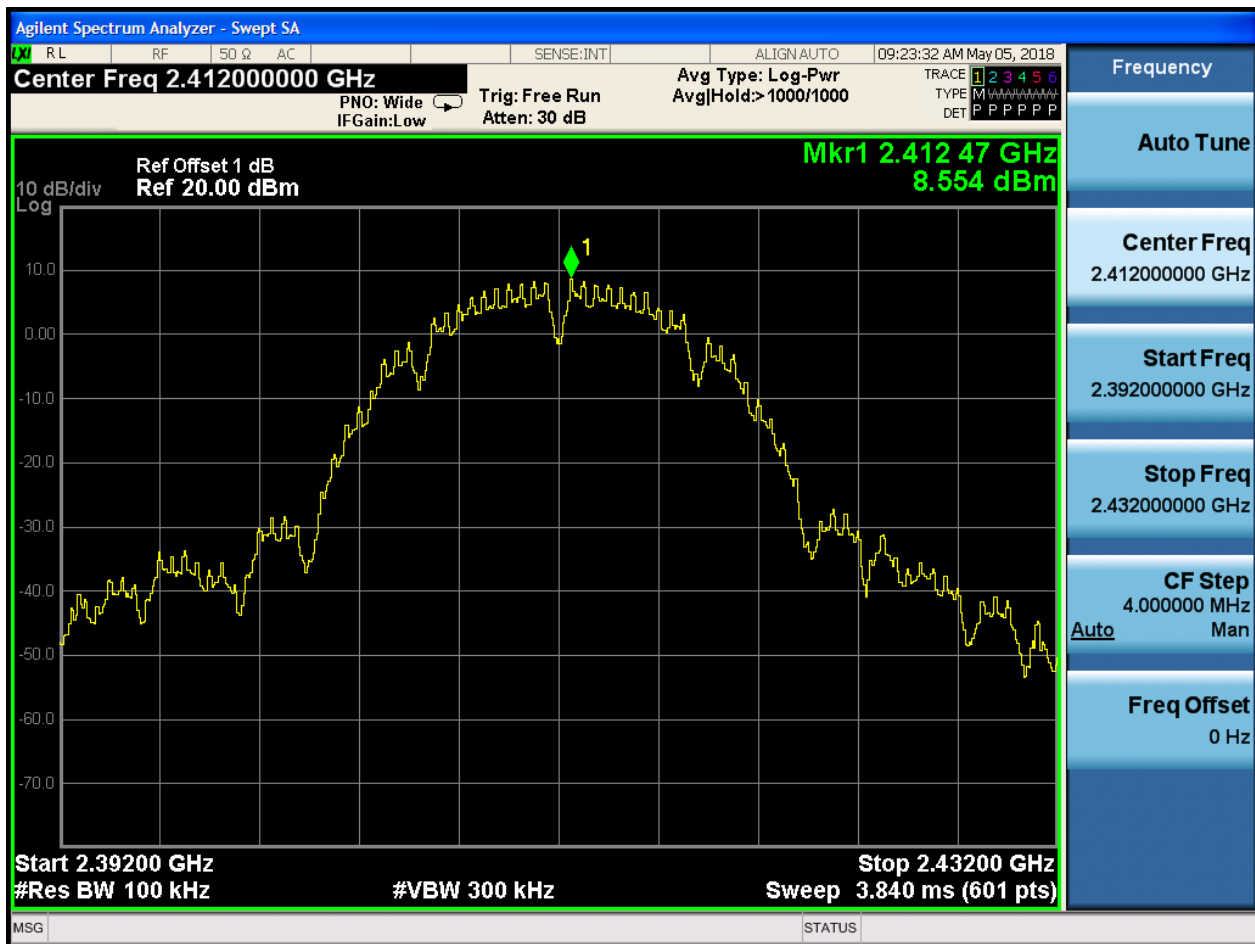
| Test Mode | Test Channel | Frequency[MHz] | Ant   | Pref[dBm] | Puw[dBm] | Verdict |
|-----------|--------------|----------------|-------|-----------|----------|---------|
| 11B       | L            | 2412           | Ant 1 | 8.55      | <limit   | pass    |
| 11B       | M            | 2437           | Ant 1 | 8.13      | <limit   | pass    |
| 11B       | H            | 2462           | Ant 1 | 8.99      | <limit   | pass    |
| 11G       | L            | 2412           | Ant 1 | 3.22      | <limit   | pass    |
| 11G       | L            | 2417           | Ant 1 | 4.84      | <limit   | pass    |
| 11G       | M            | 2437           | Ant 1 | 5.72      | <limit   | pass    |
| 11G       | H            | 2457           | Ant 1 | 5.06      | <limit   | pass    |
| 11G       | H            | 2462           | Ant 1 | 4.86      | <limit   | pass    |
| 11N20     | L            | 2412           | Ant 1 | 2.47      | <limit   | pass    |
| 11N20     | M            | 2437           | Ant 1 | 2.60      | <limit   | pass    |
| 11N20     | H            | 2462           | Ant 1 | 2.83      | <limit   | pass    |
| 11N40     | L            | 2422           | Ant 1 | -2.20     | <limit   | pass    |
| 11N40     | M            | 2437           | Ant 1 | -1.32     | <limit   | pass    |
| 11N40     | H            | 2452           | Ant 1 | -0.45     | <limit   | pass    |



## Part II - Test Plots

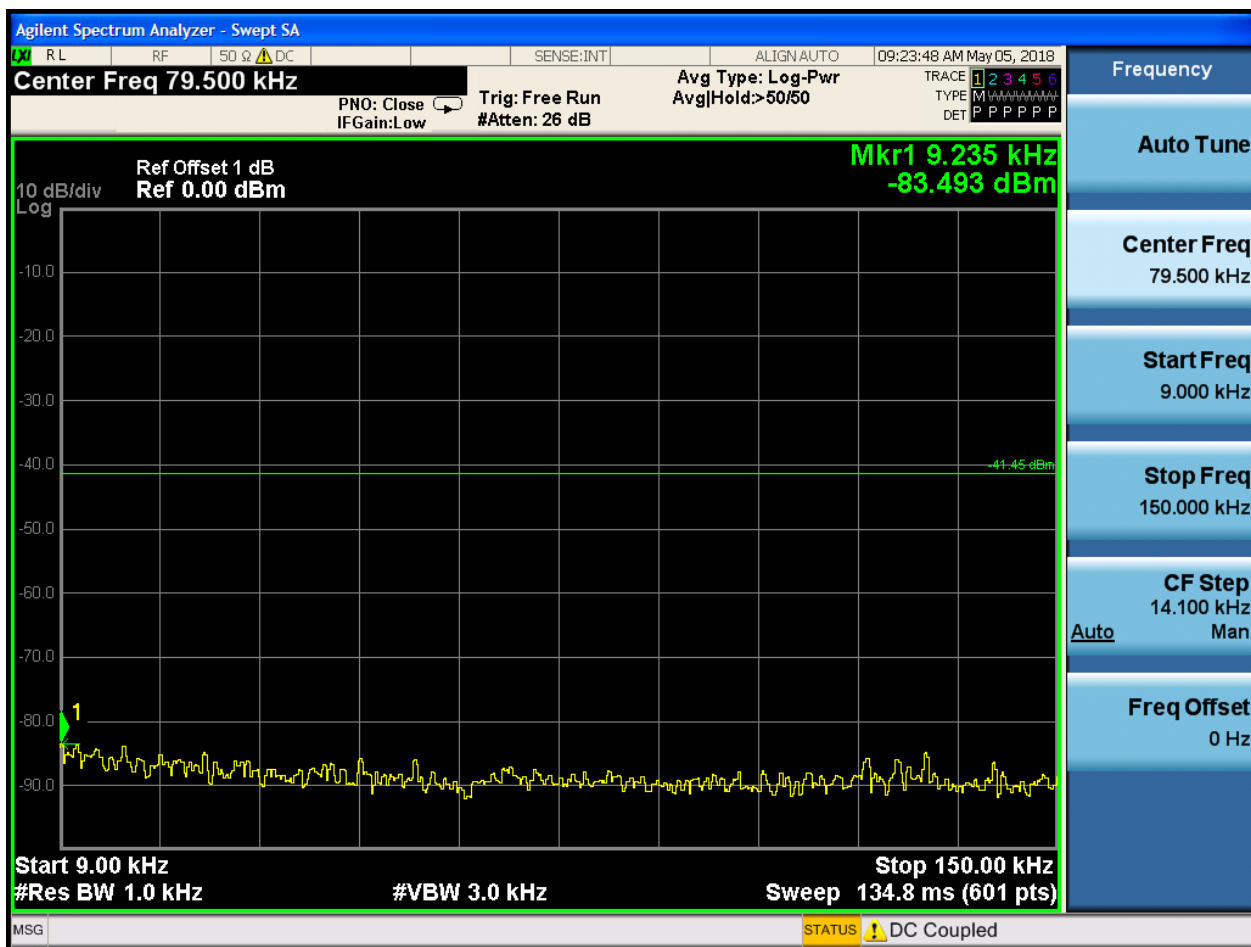
## 2.1 11B\_L\_2412@Ant 1

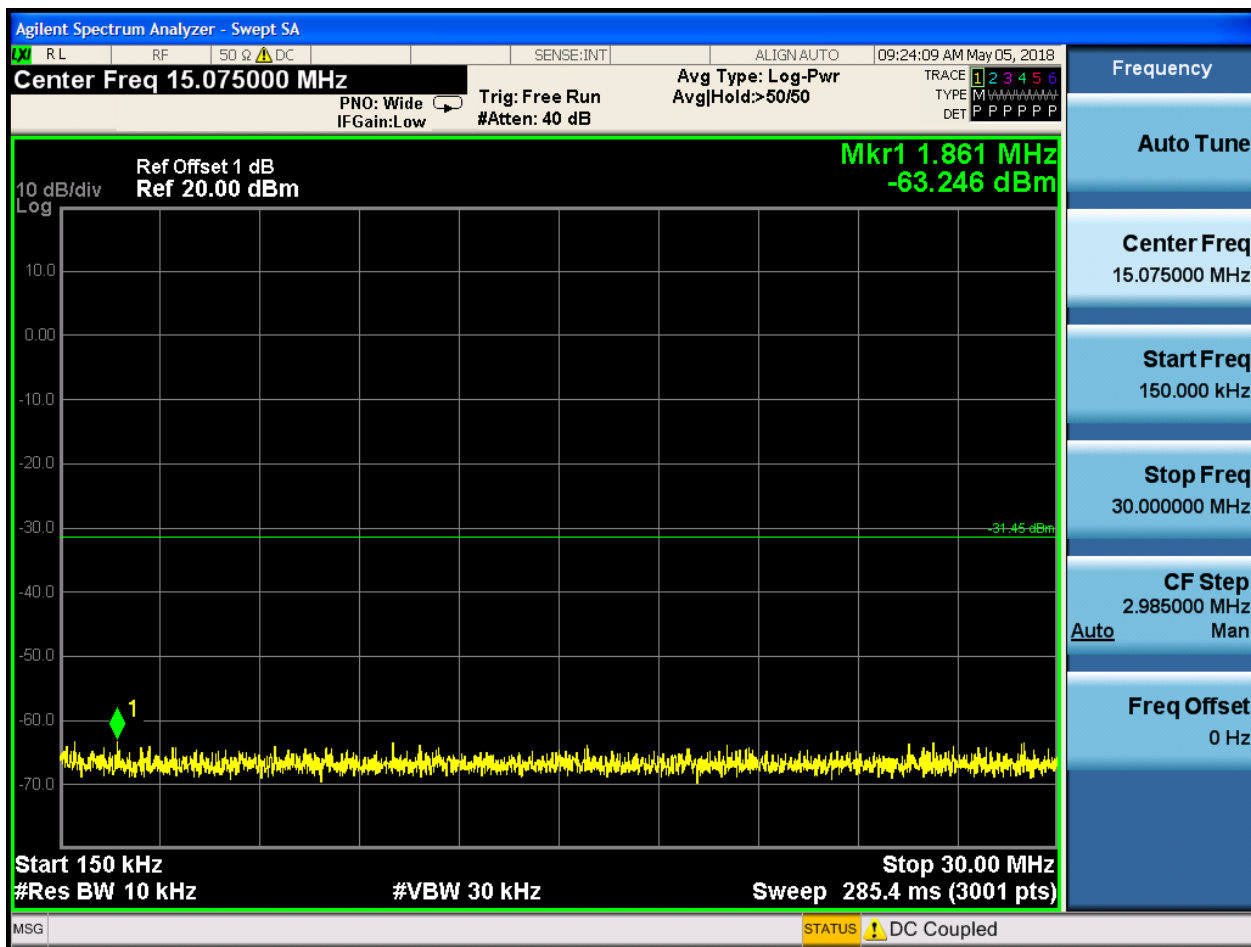
Pref:

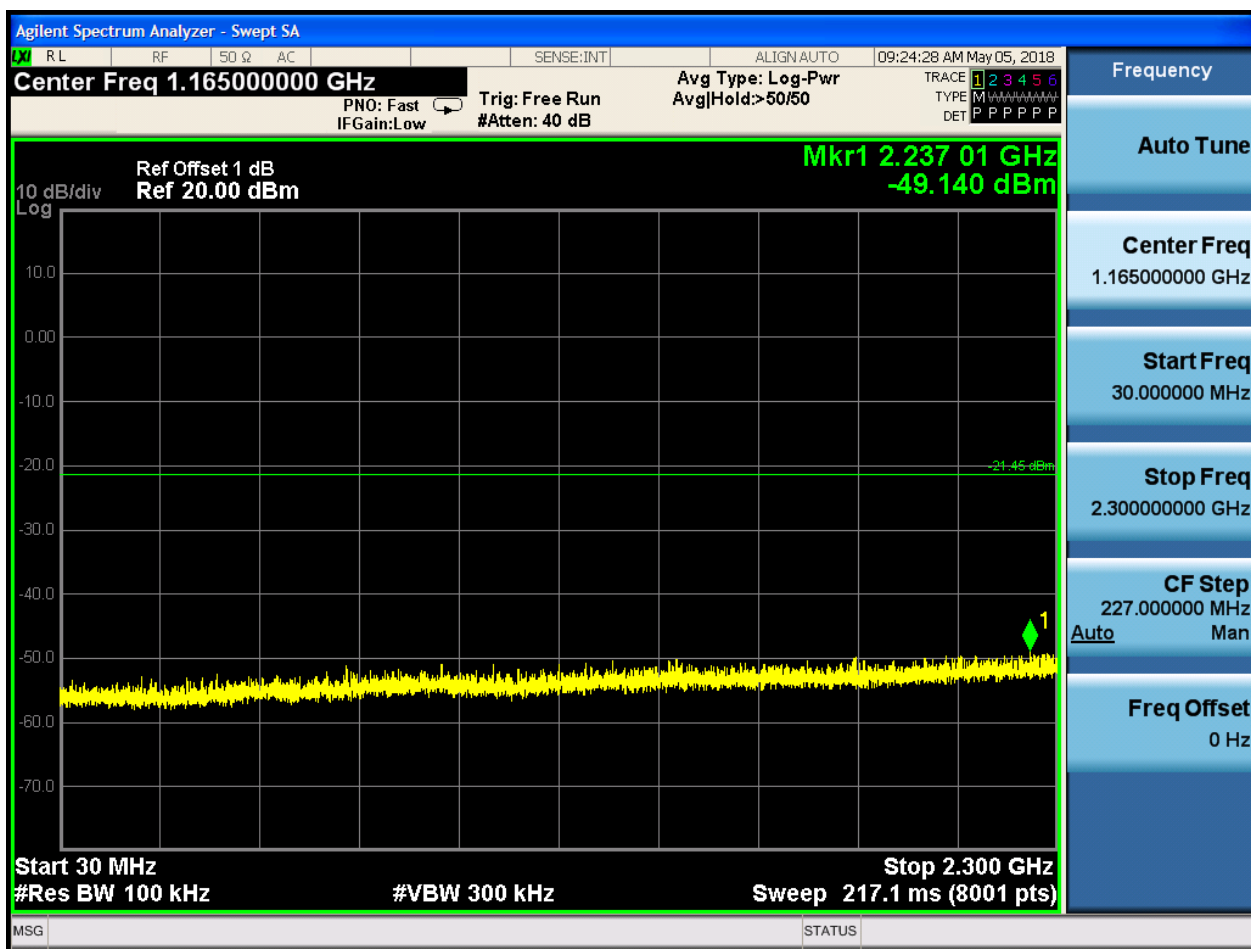




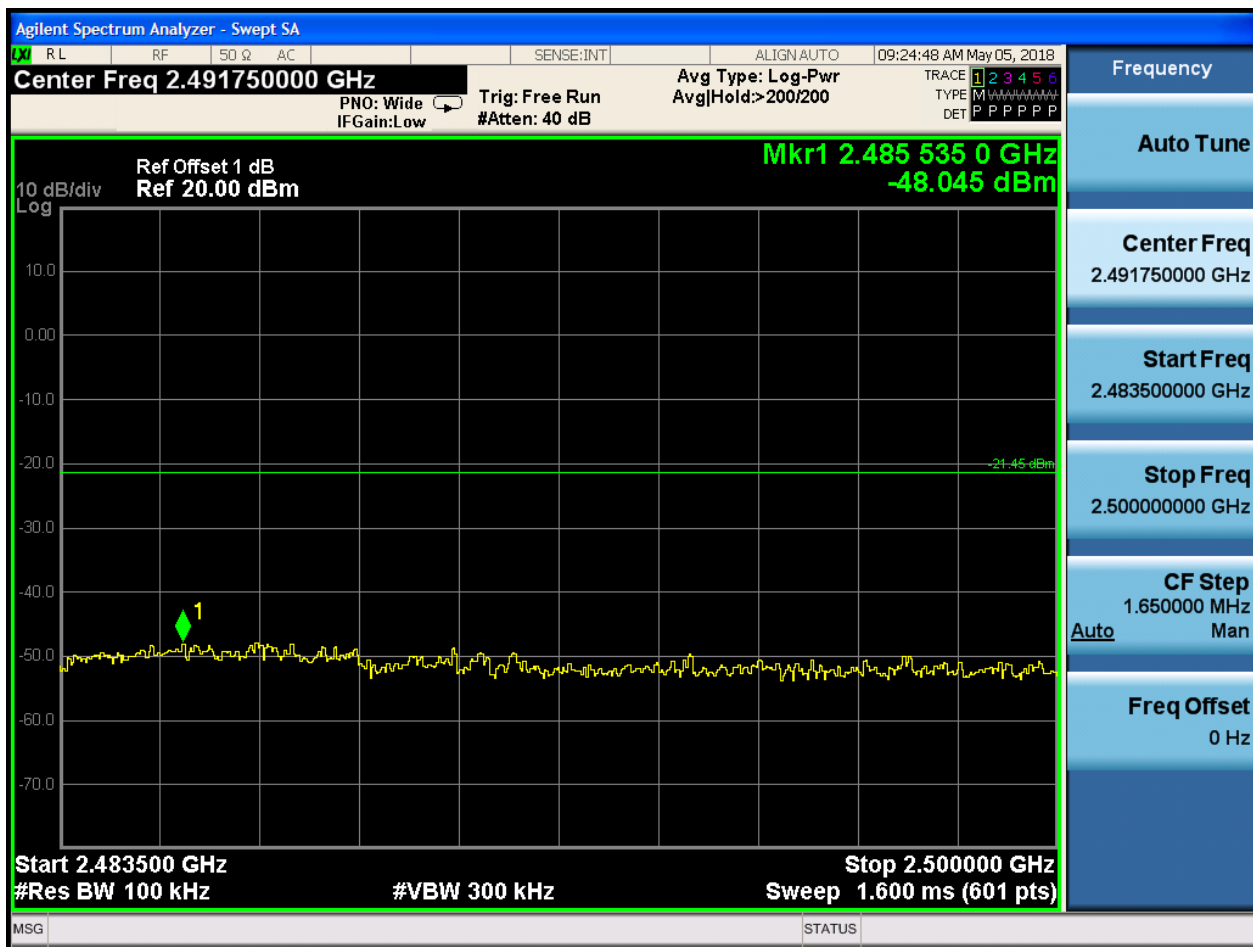
Puw:









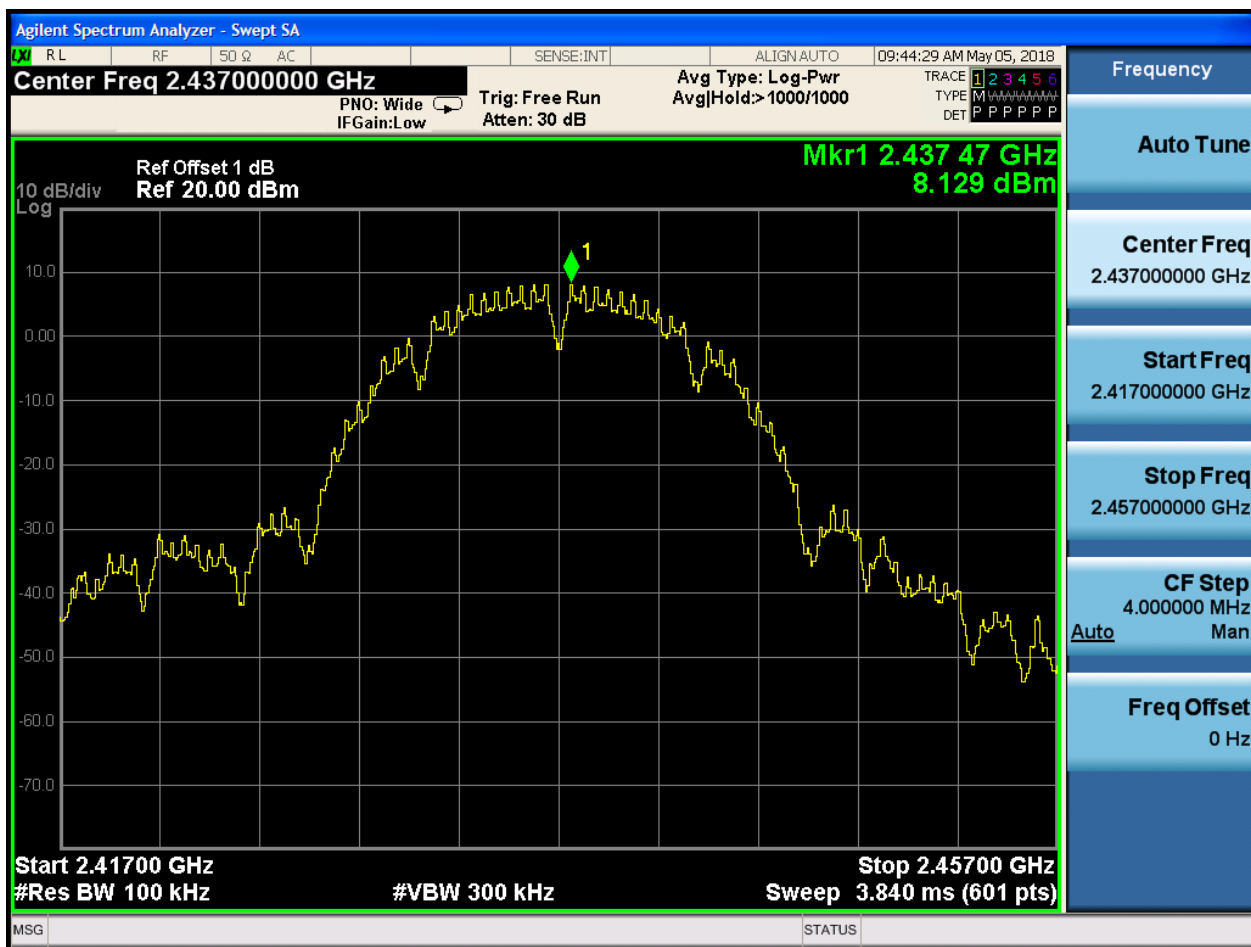






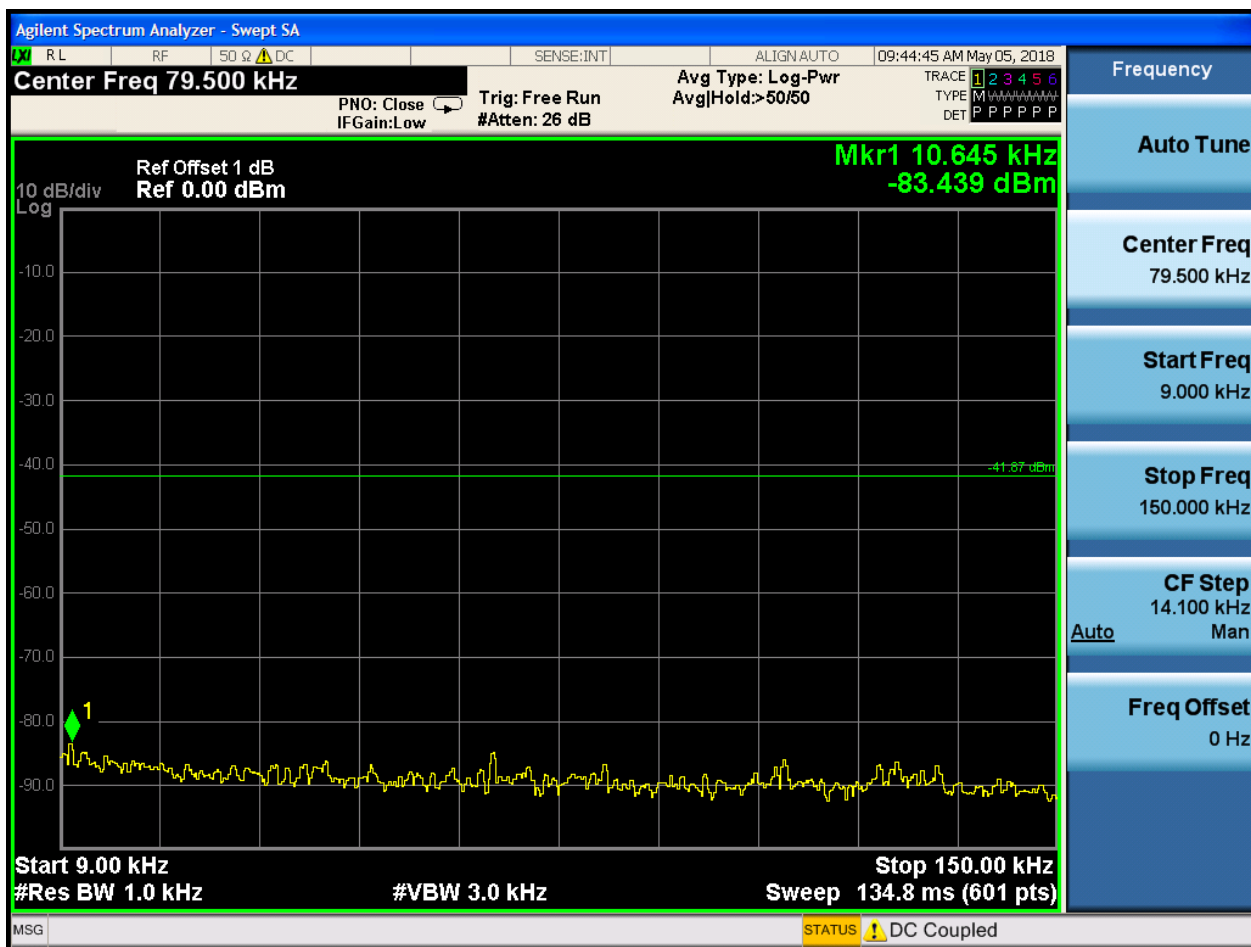
## 2.2 11B\_M\_2437@Ant 1

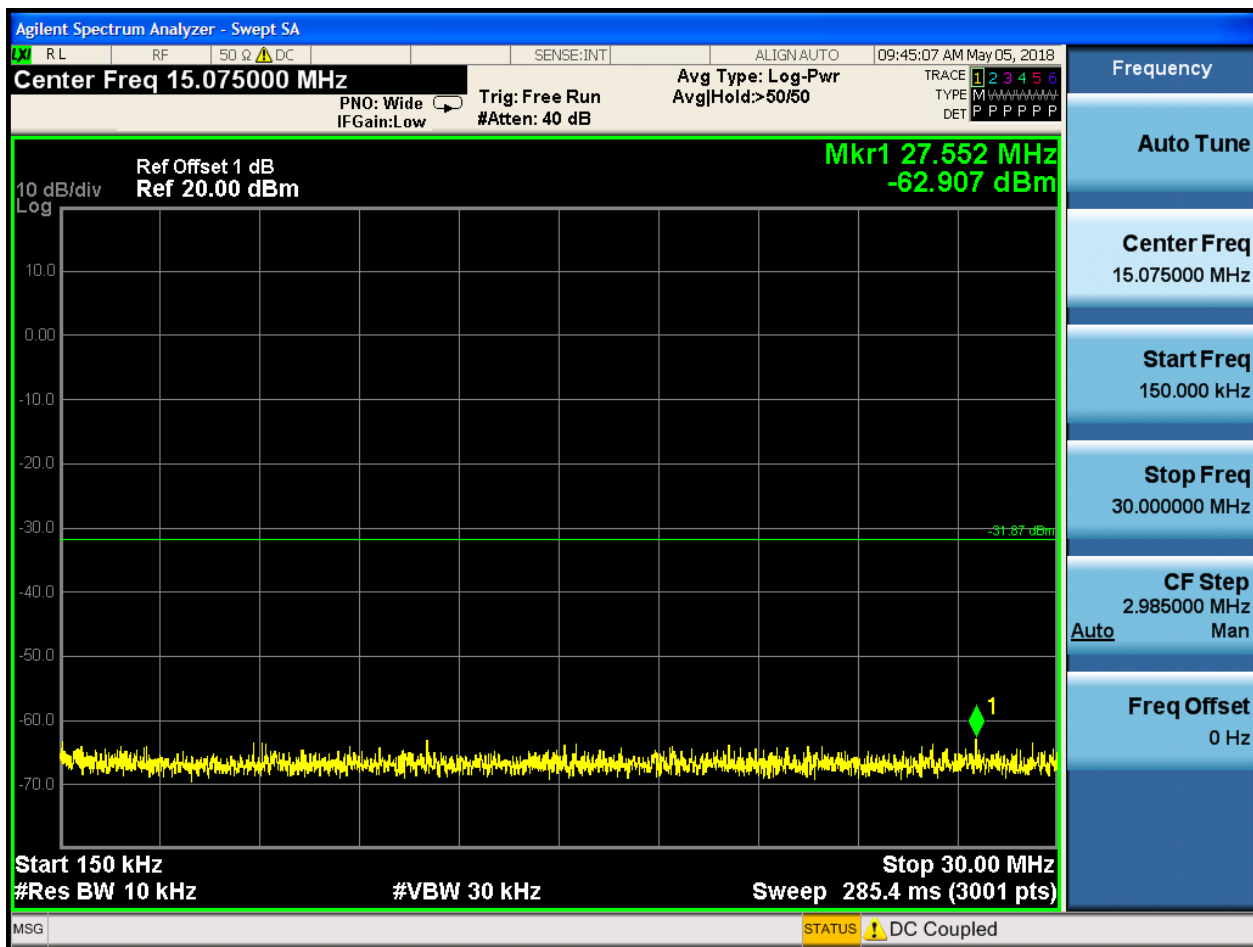
Pref:

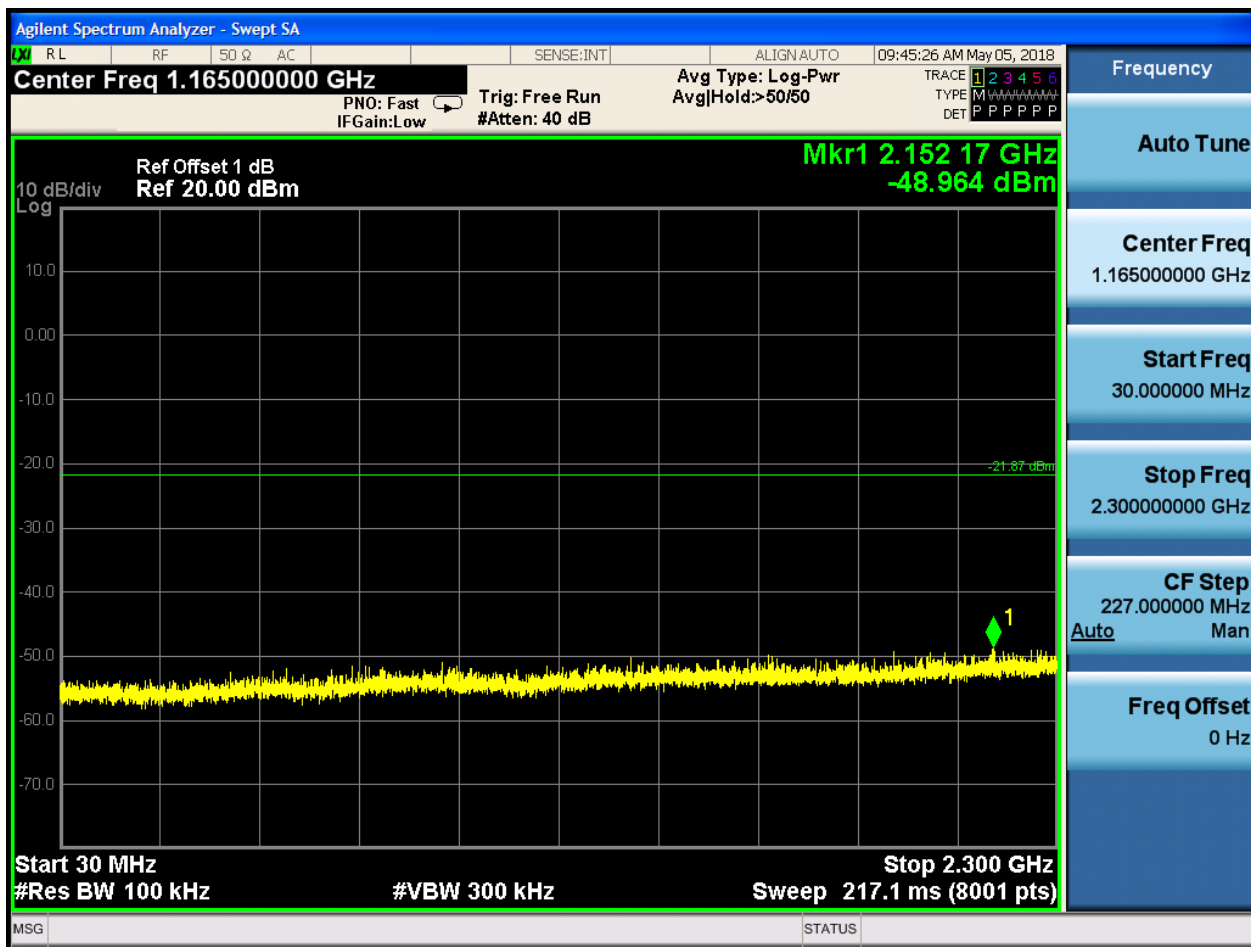


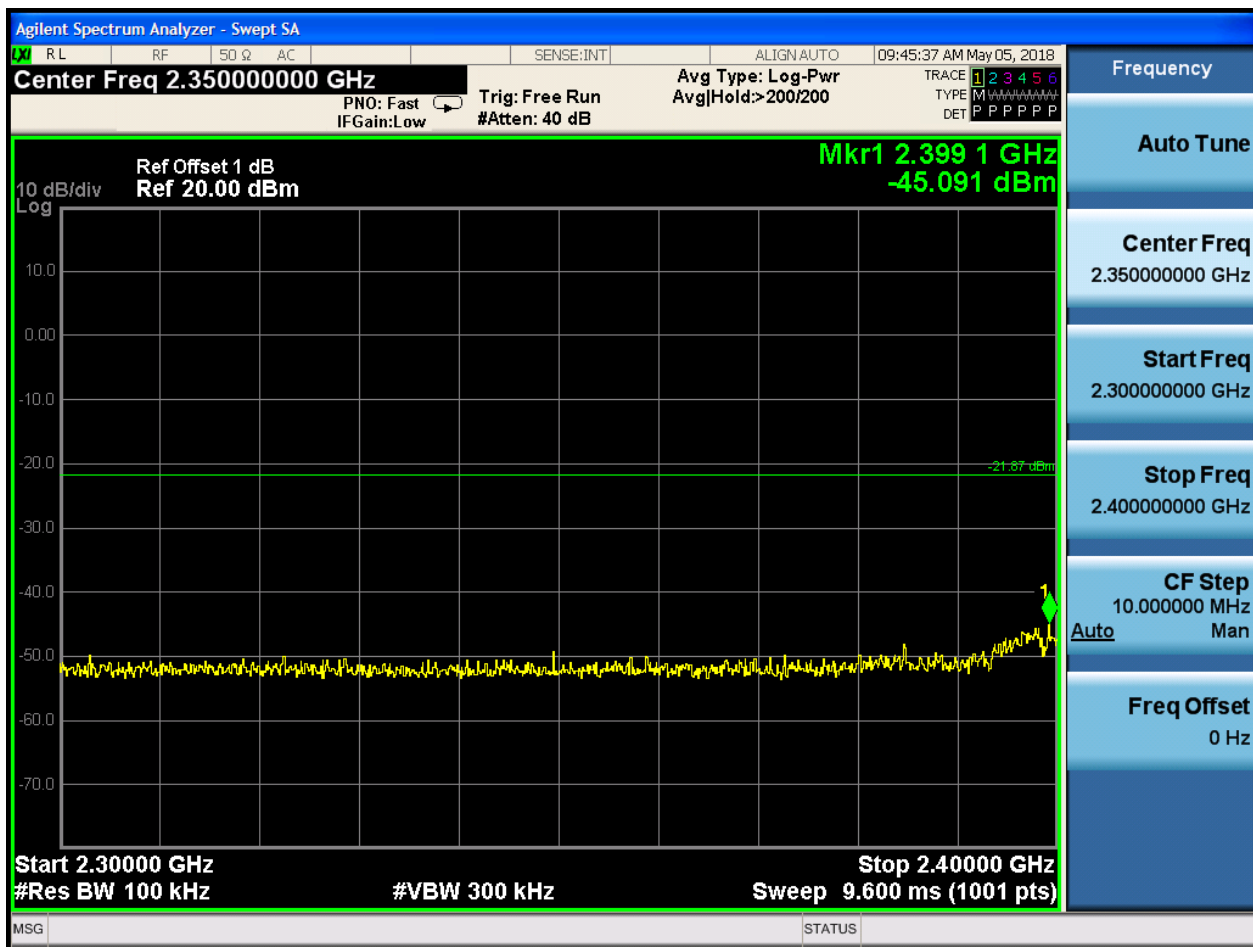


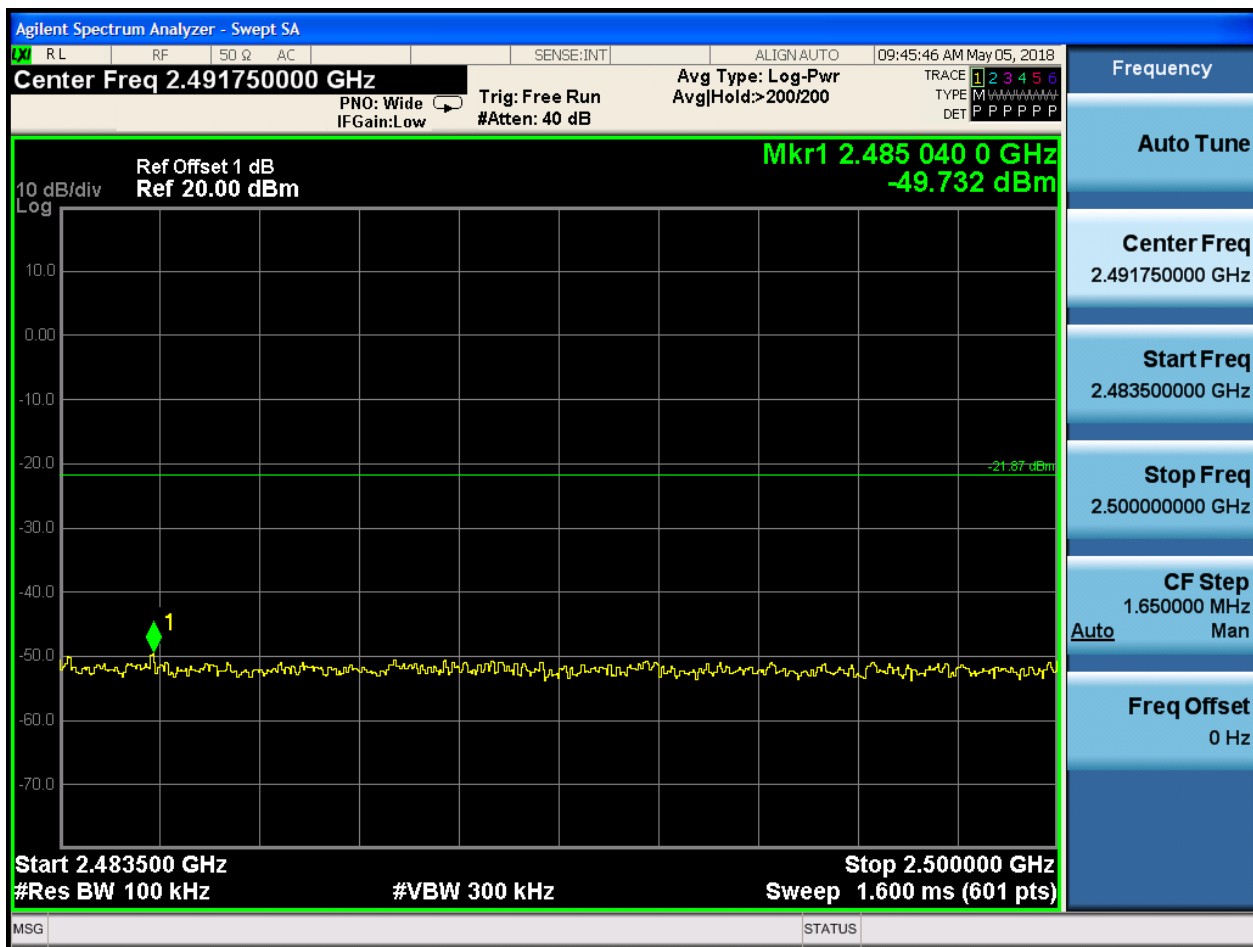
Puw:







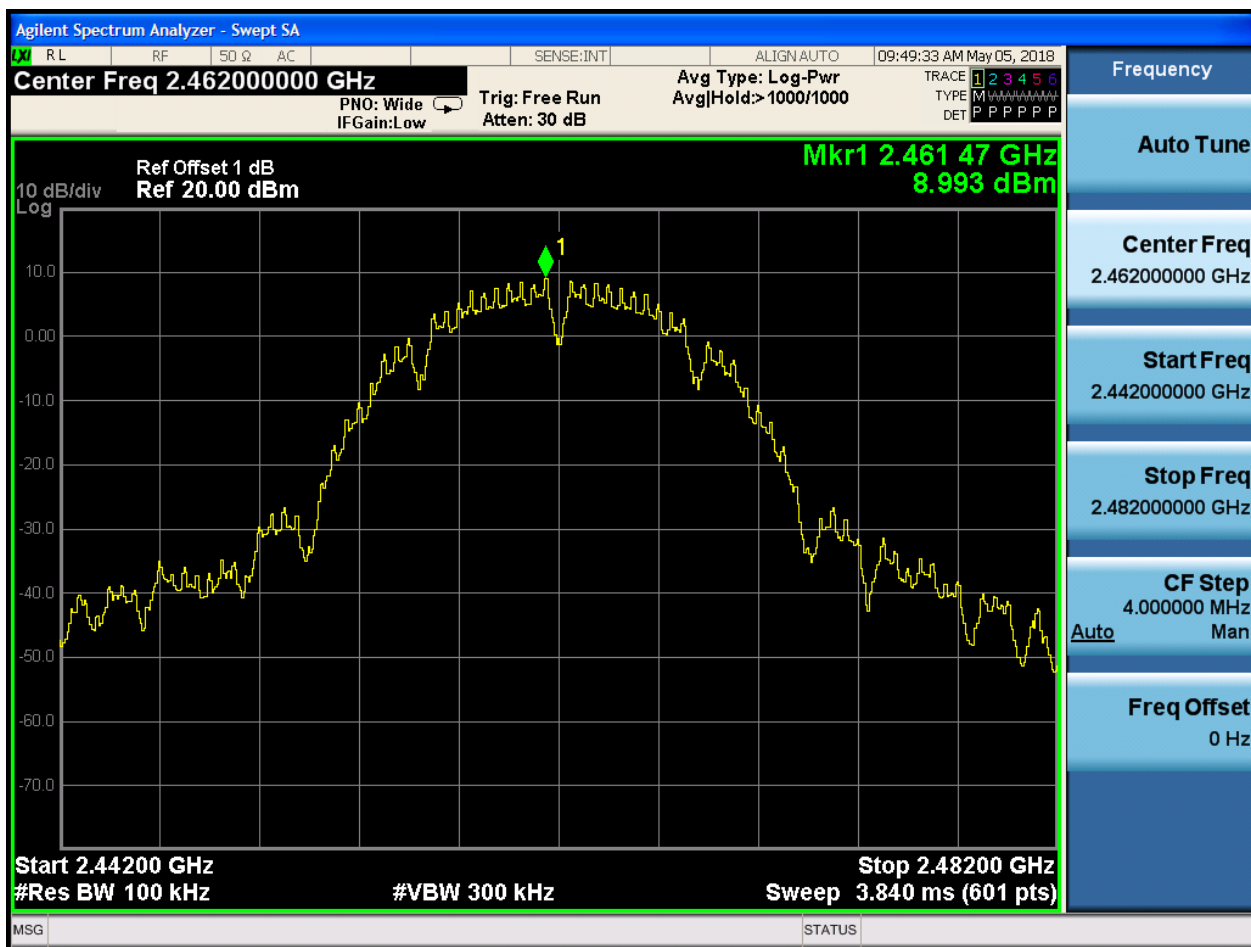






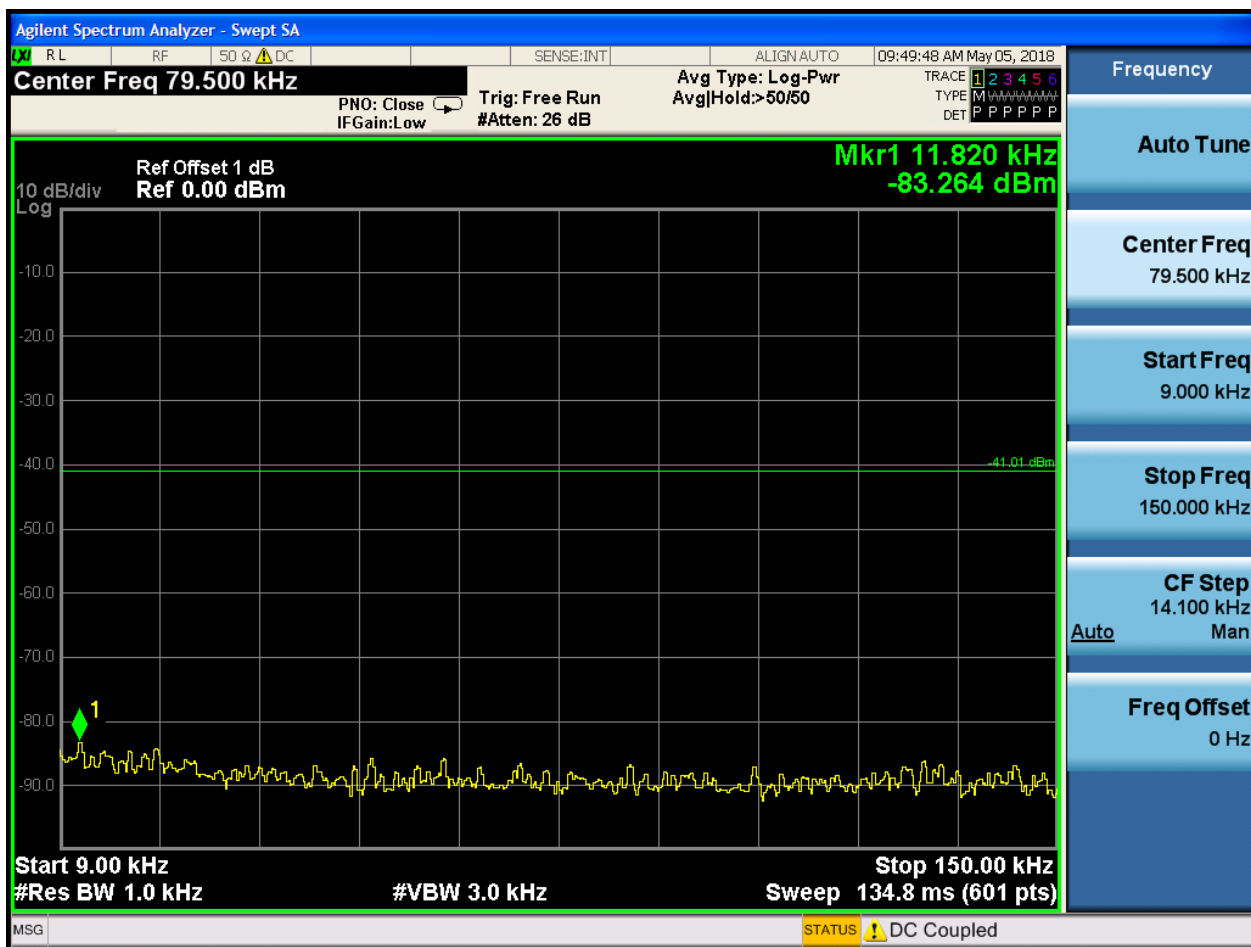
## 2.3 11B\_H\_2462@Ant 1

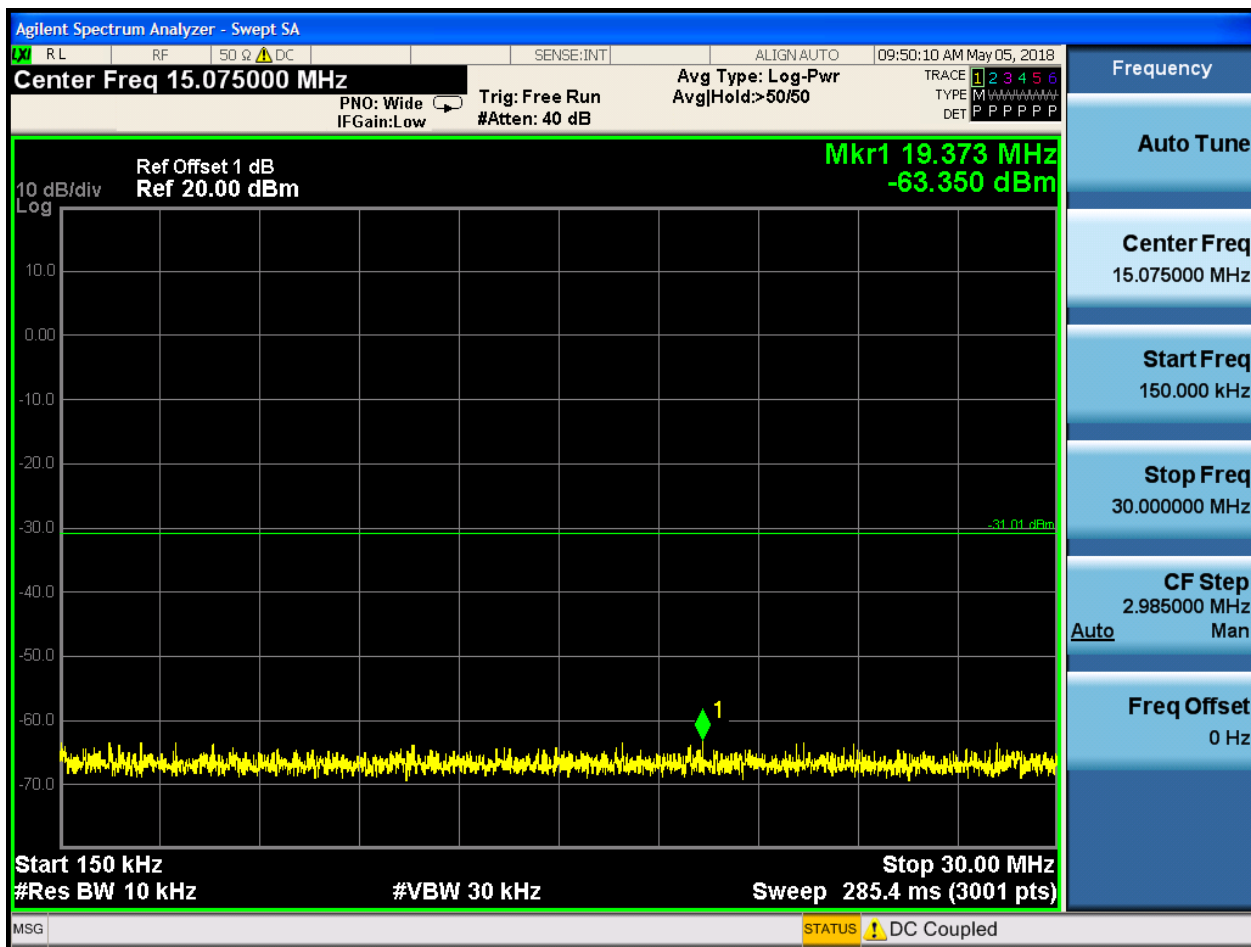
Pref:



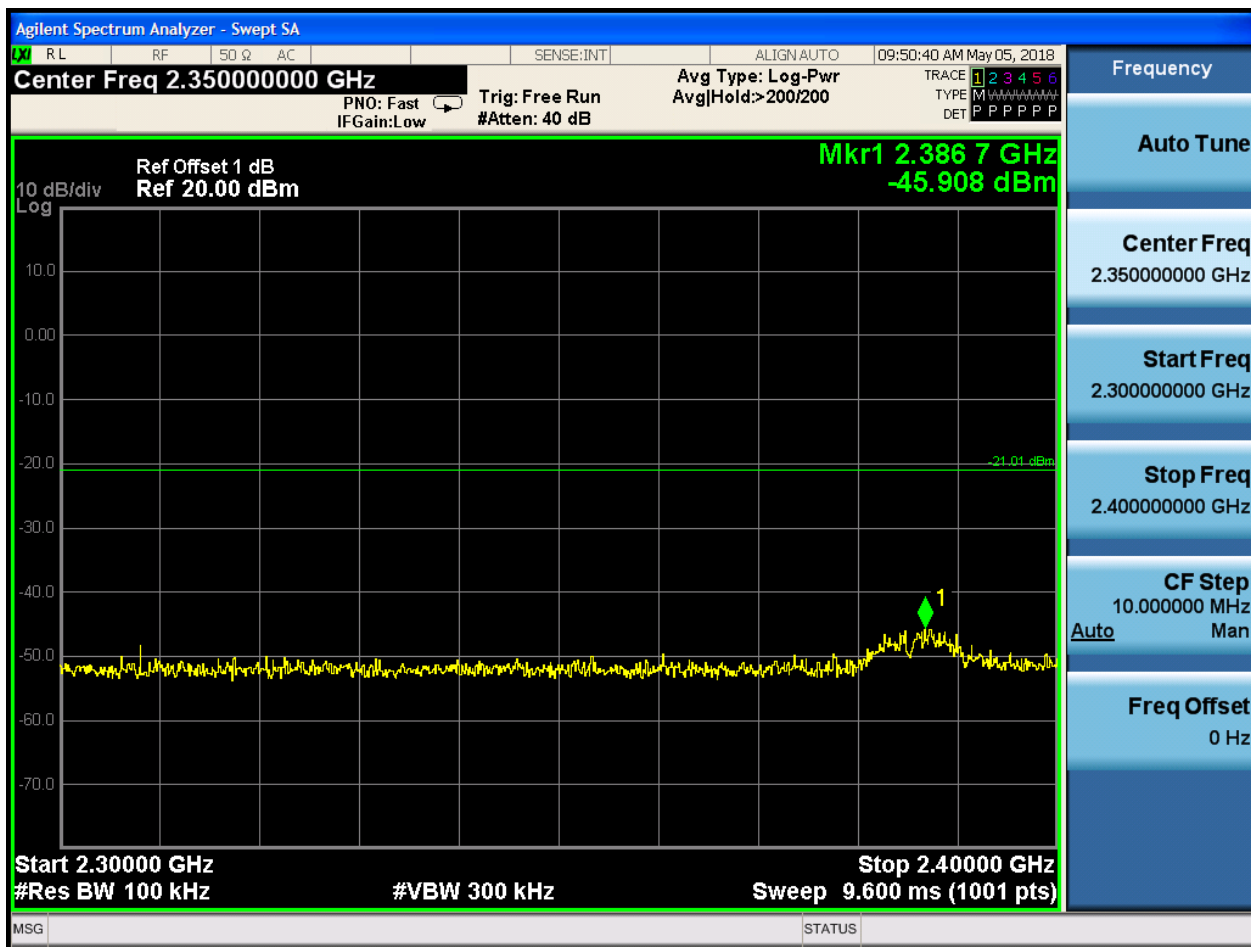


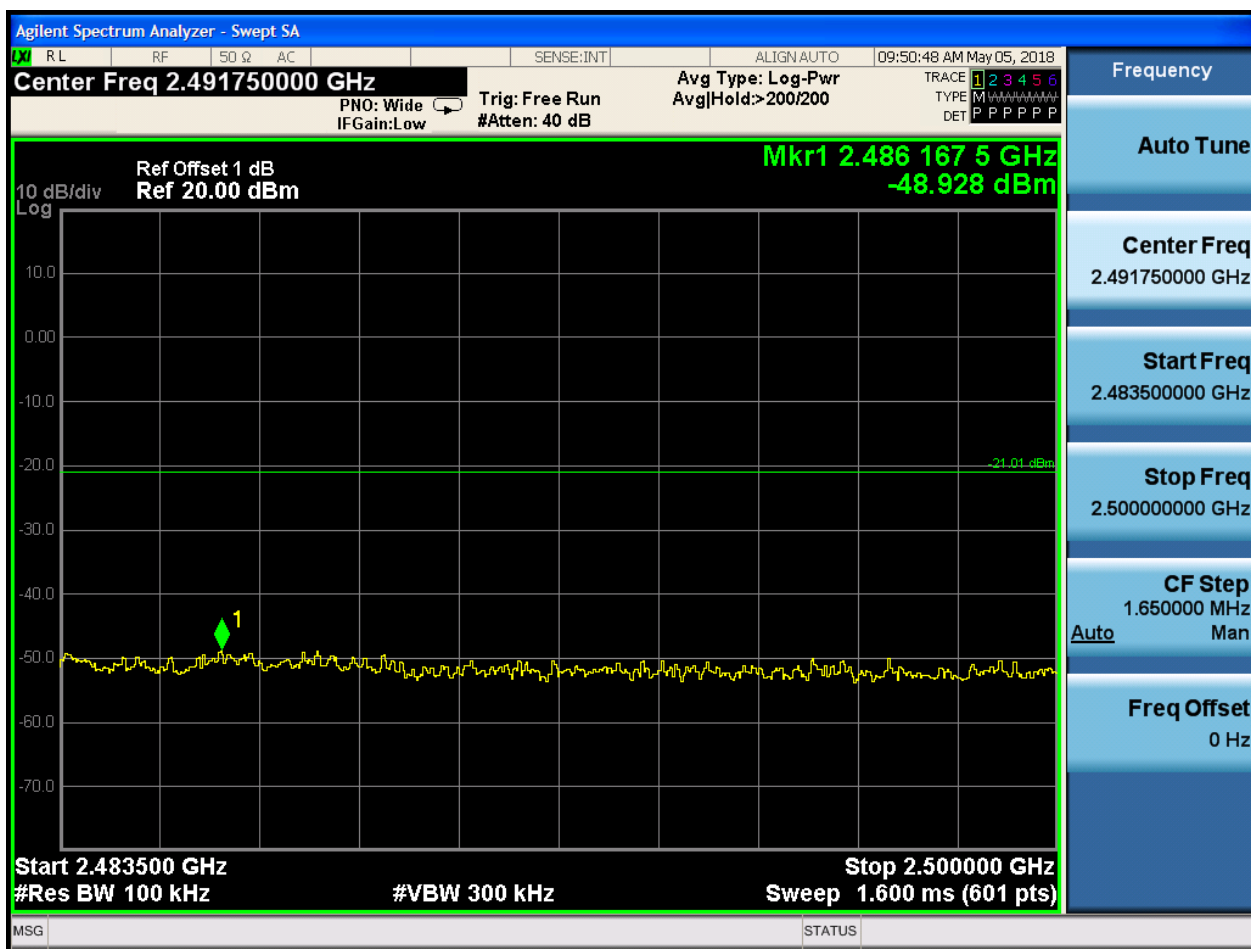
Puw:















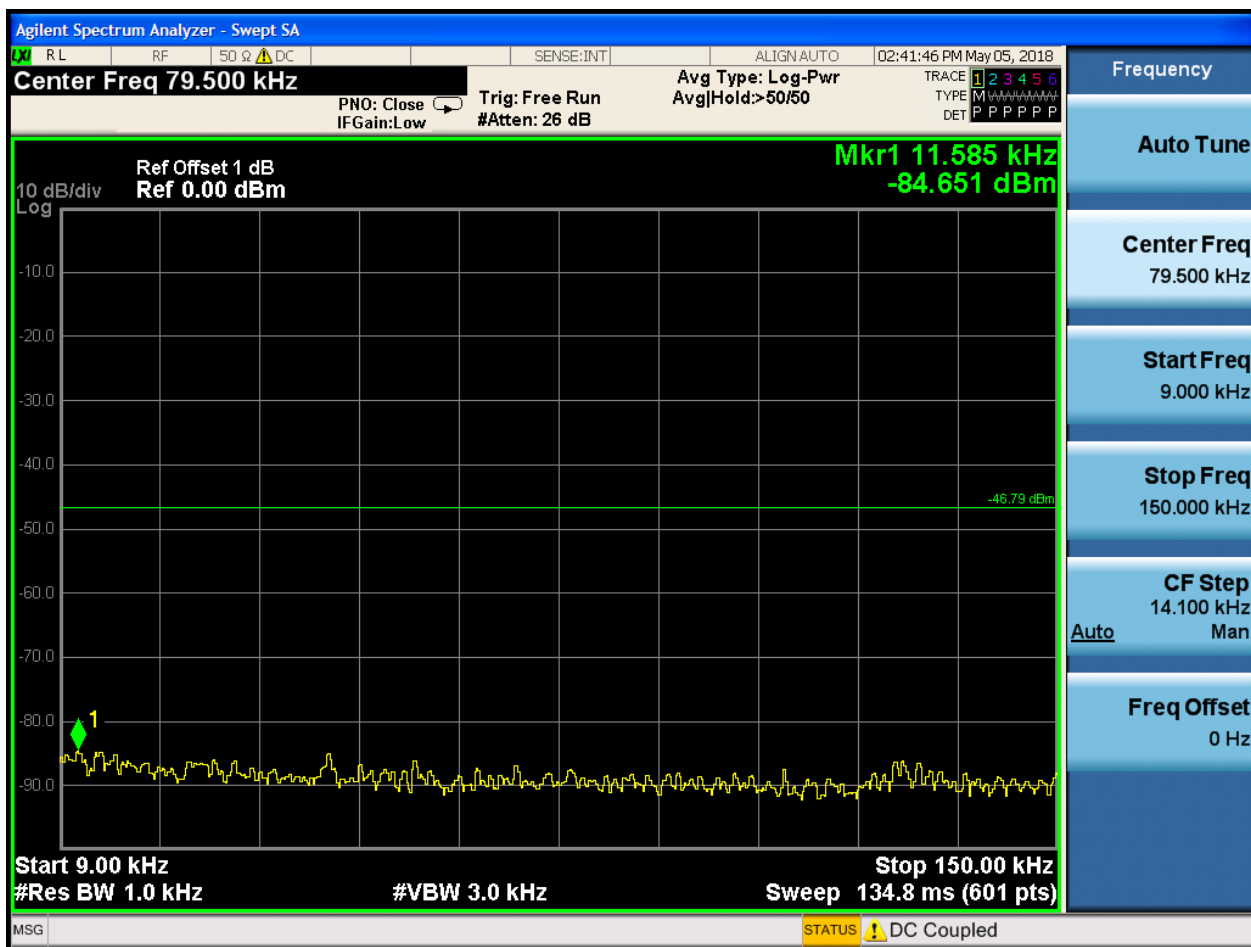
## 2.4 11G\_L\_2412@Ant 1

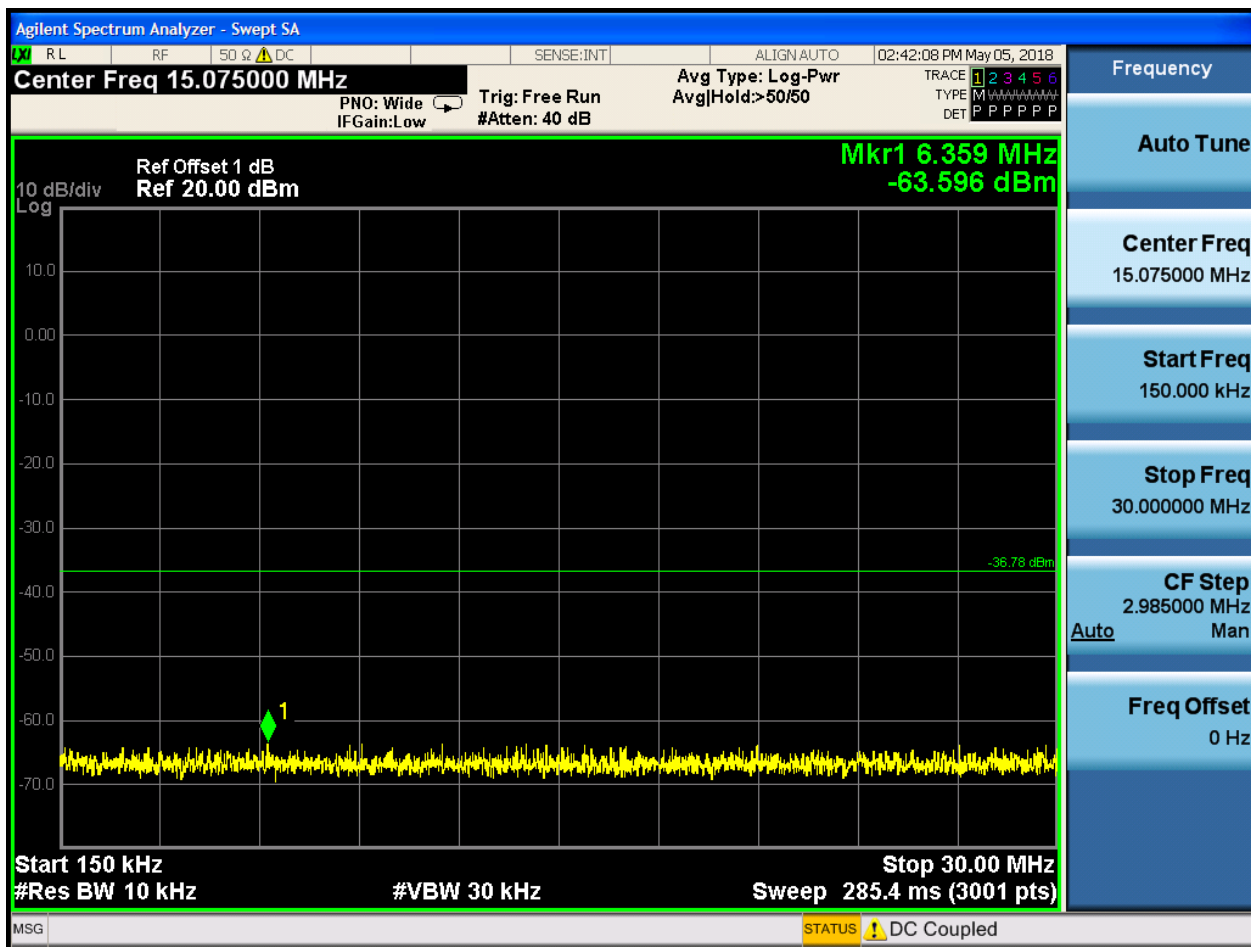
Pref:

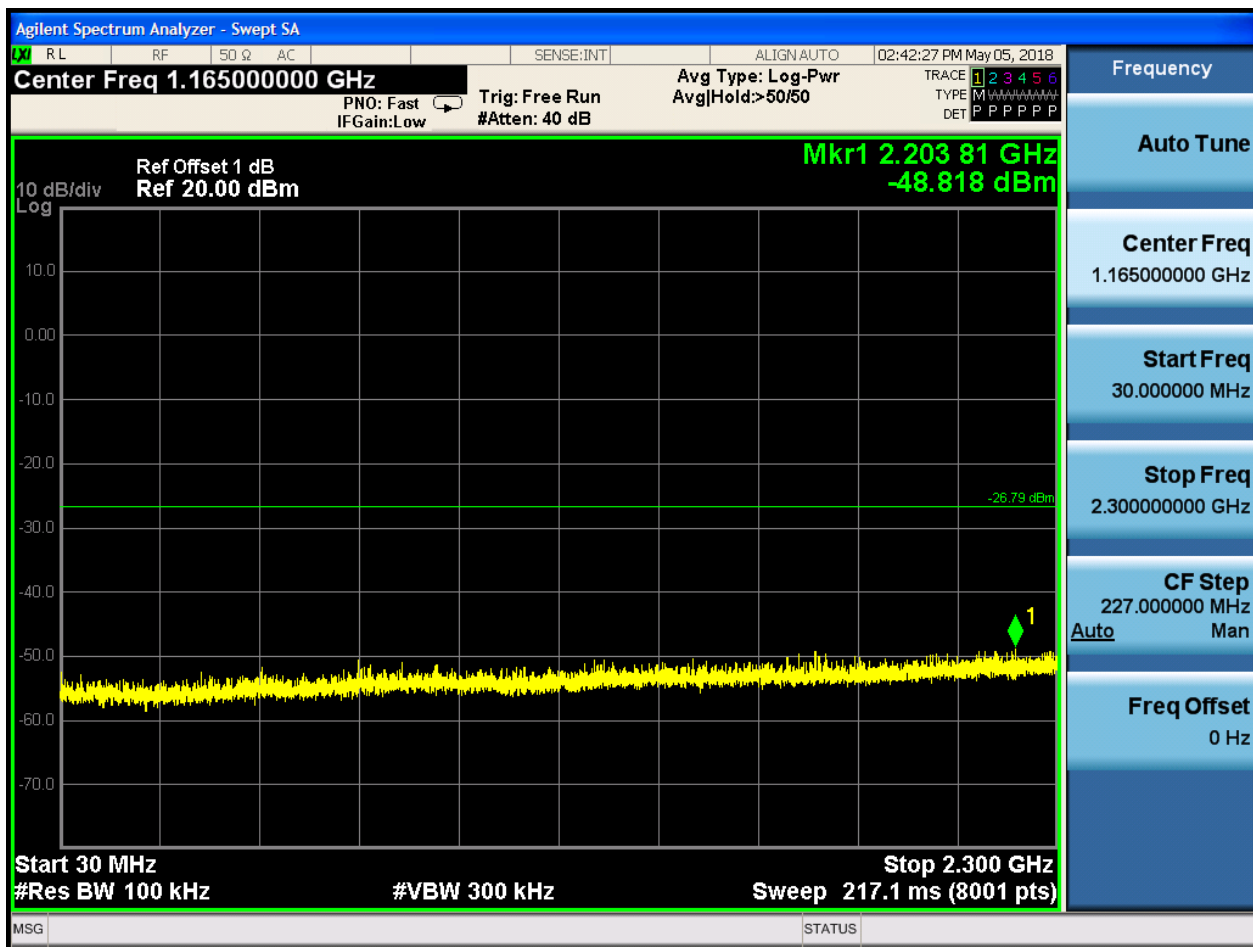


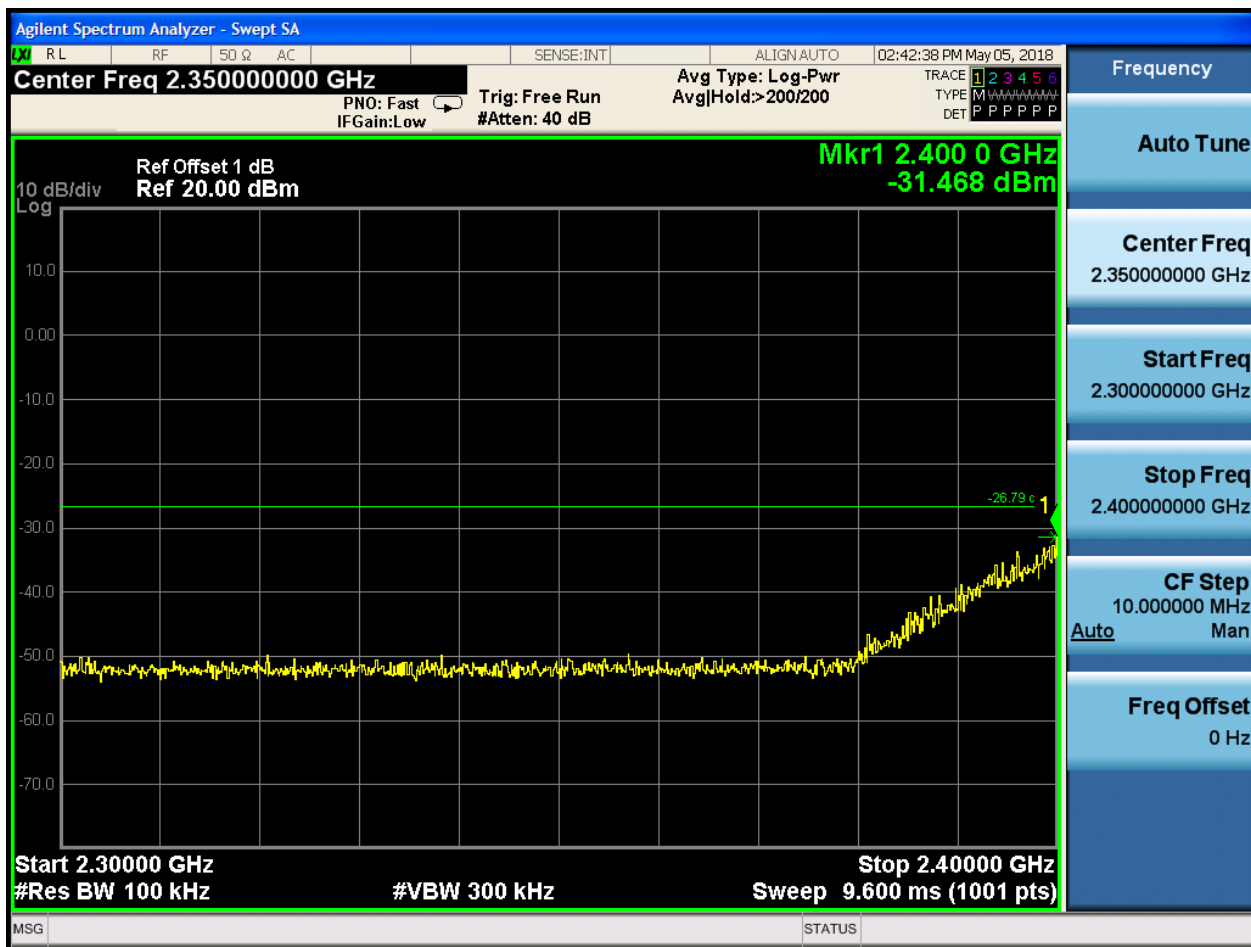


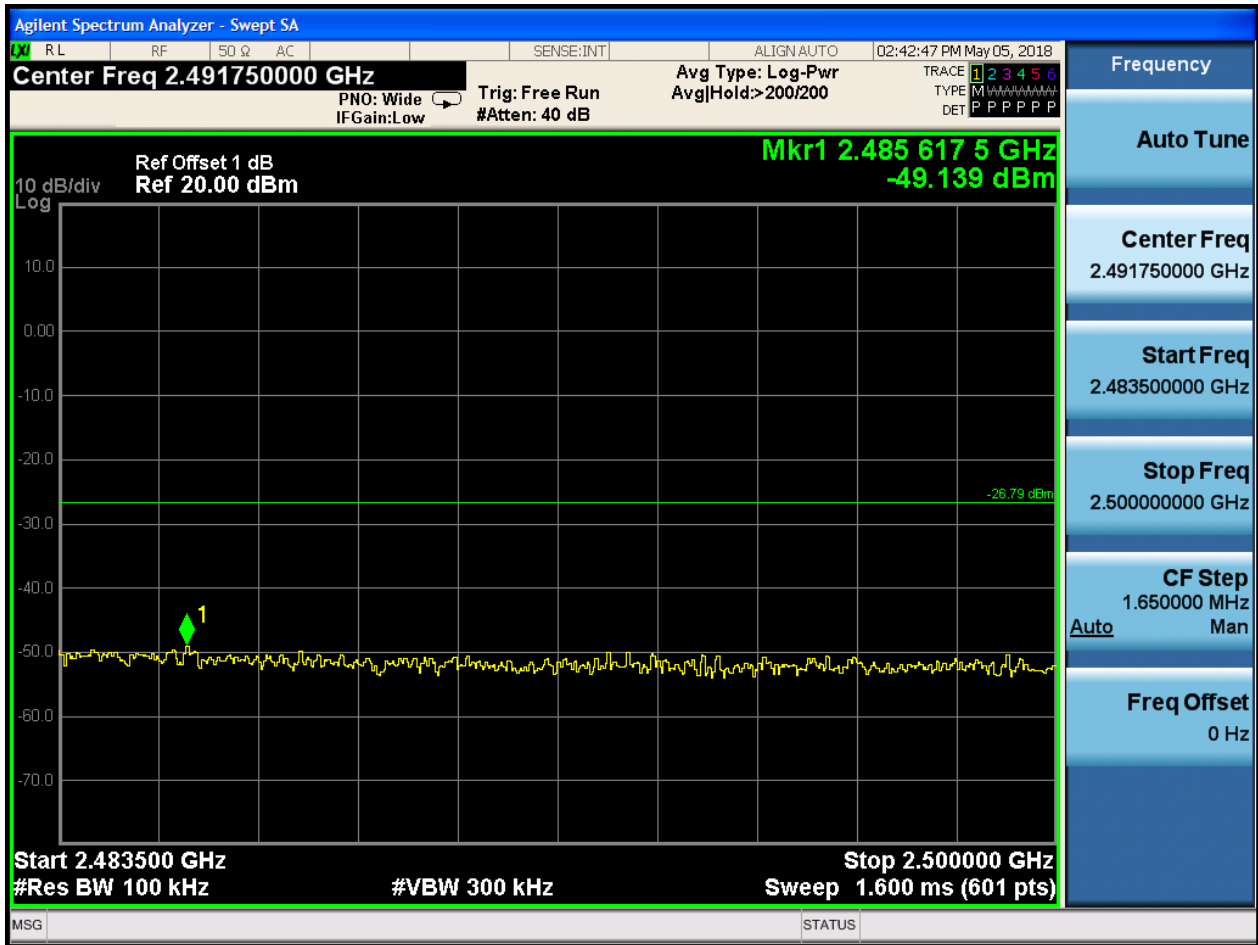
Puw:









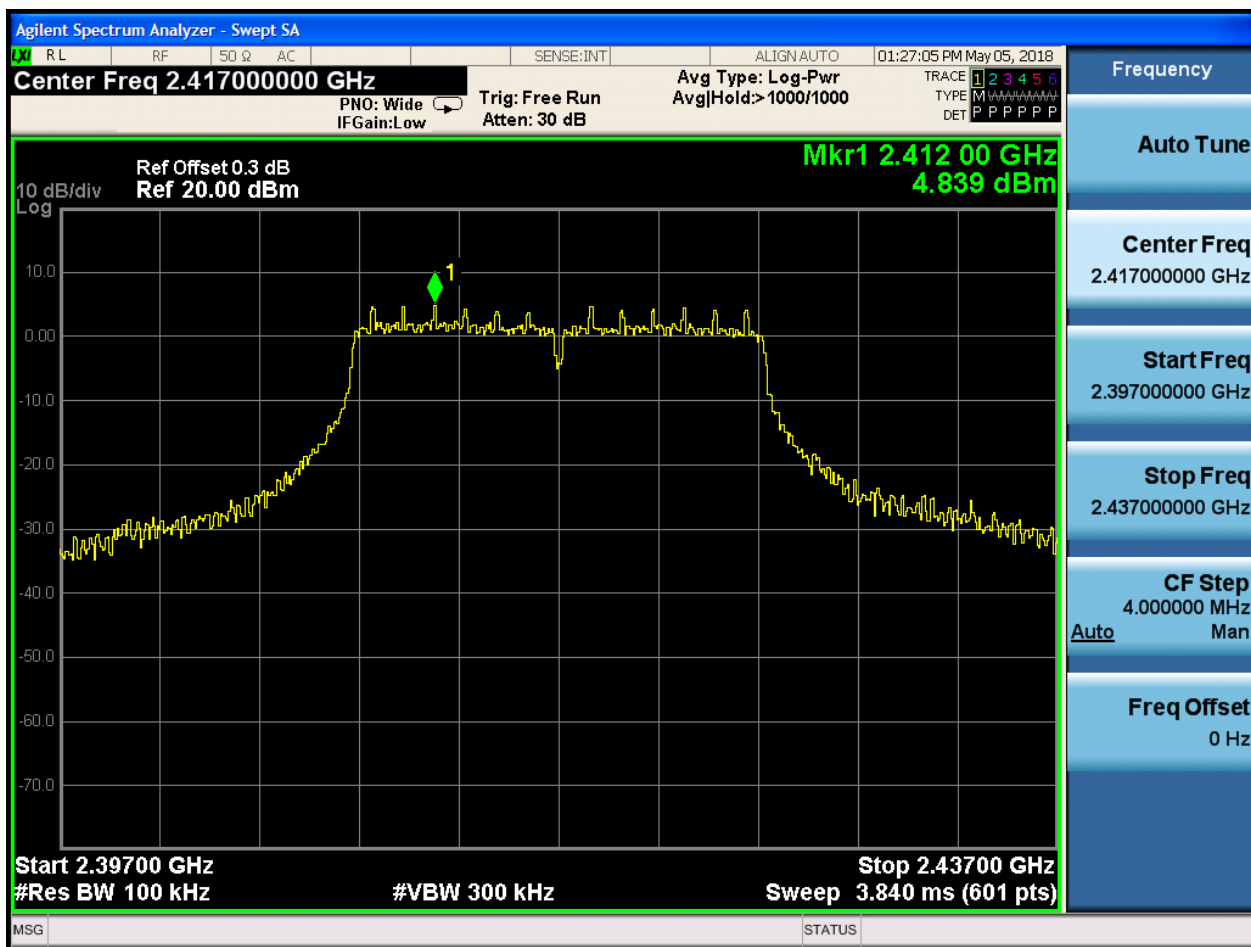






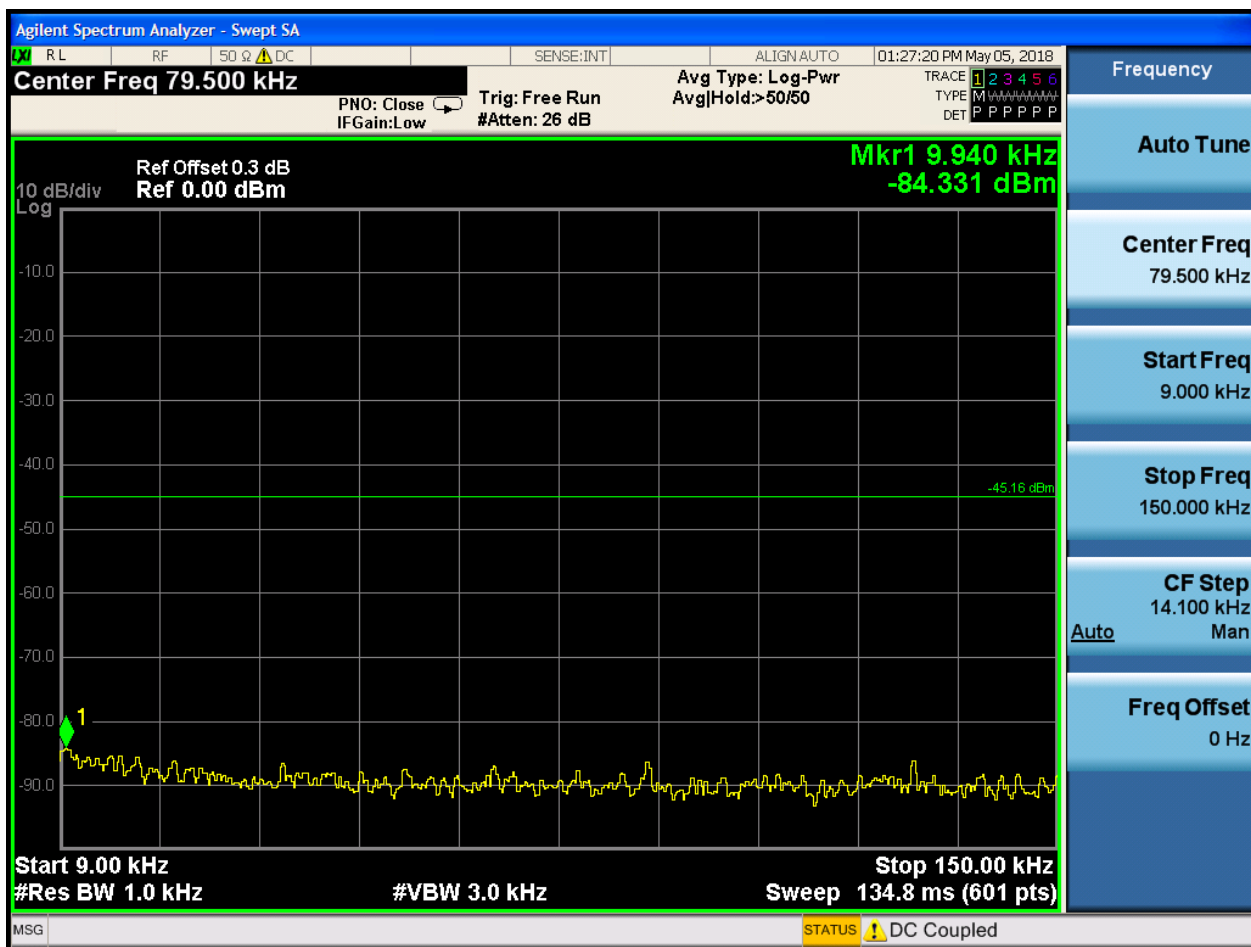
## 2.5 11G\_L\_2417@Ant 1

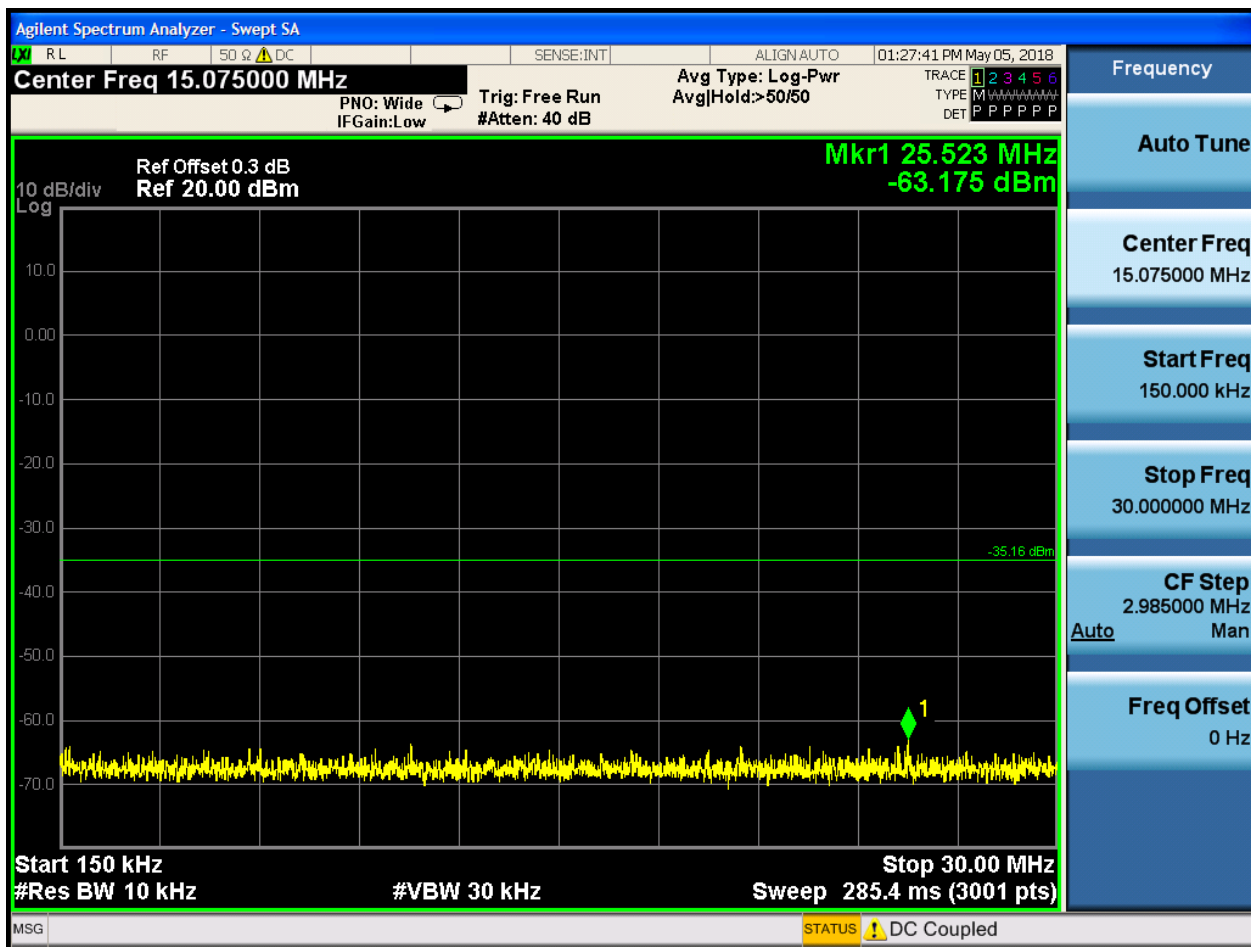
Pref:

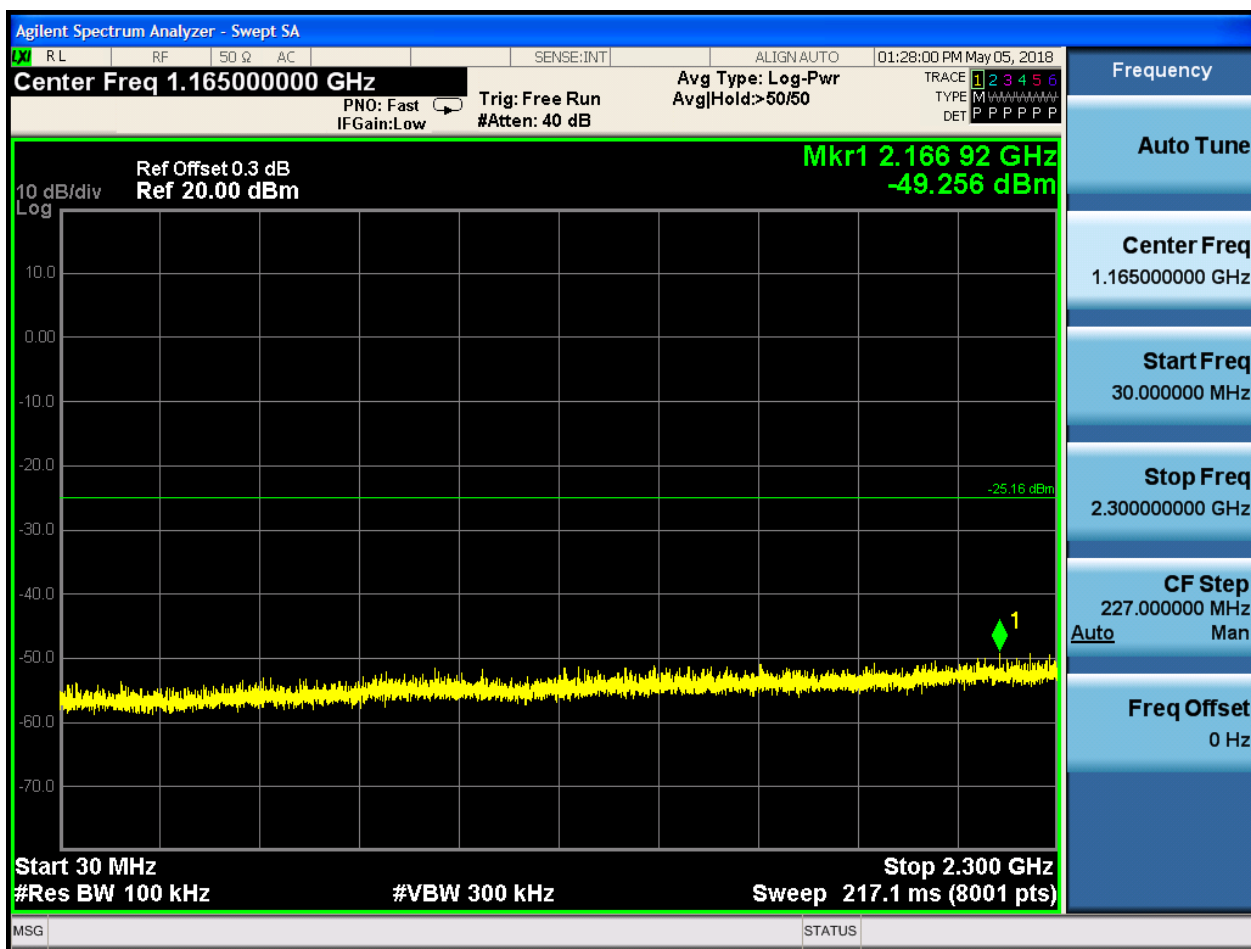


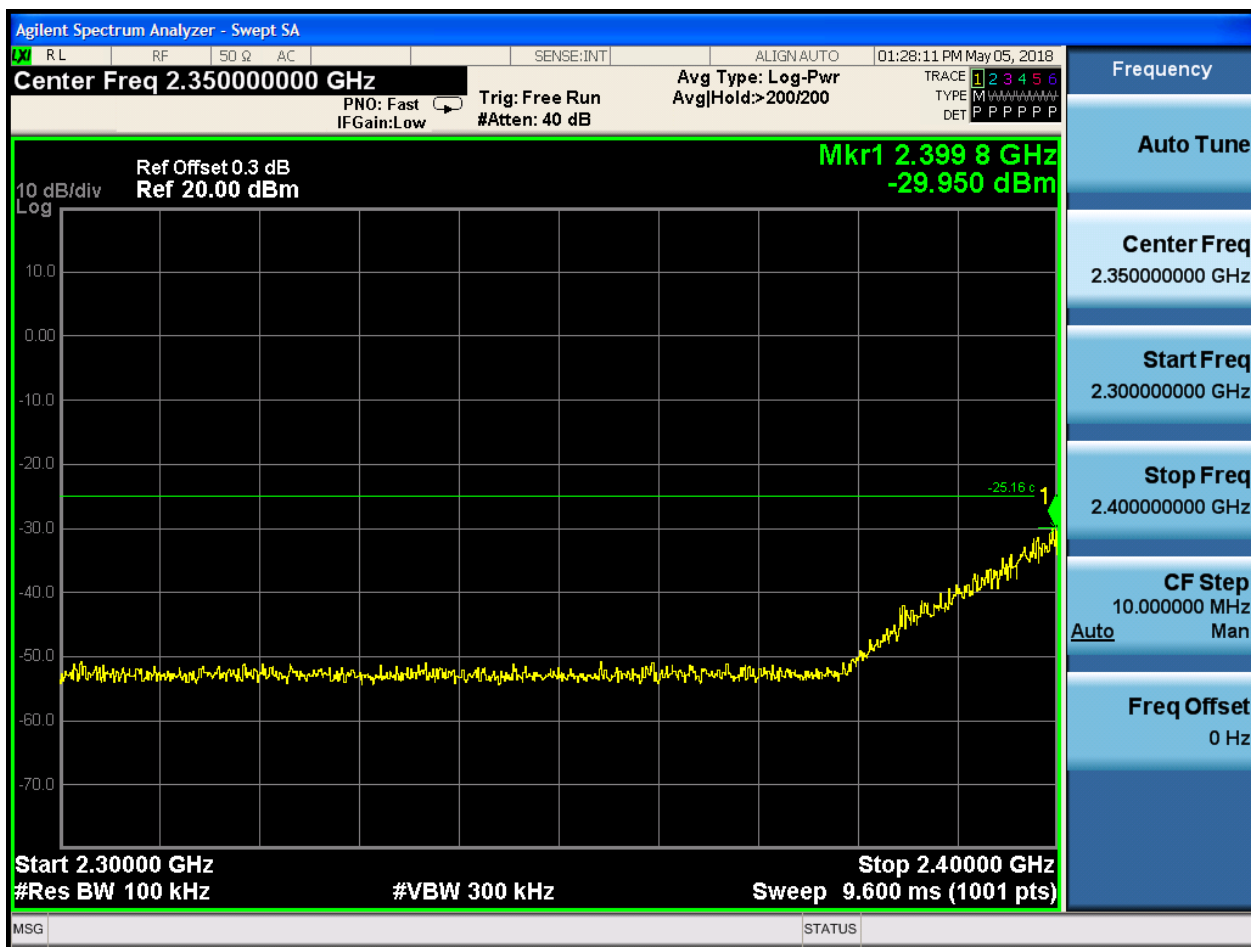


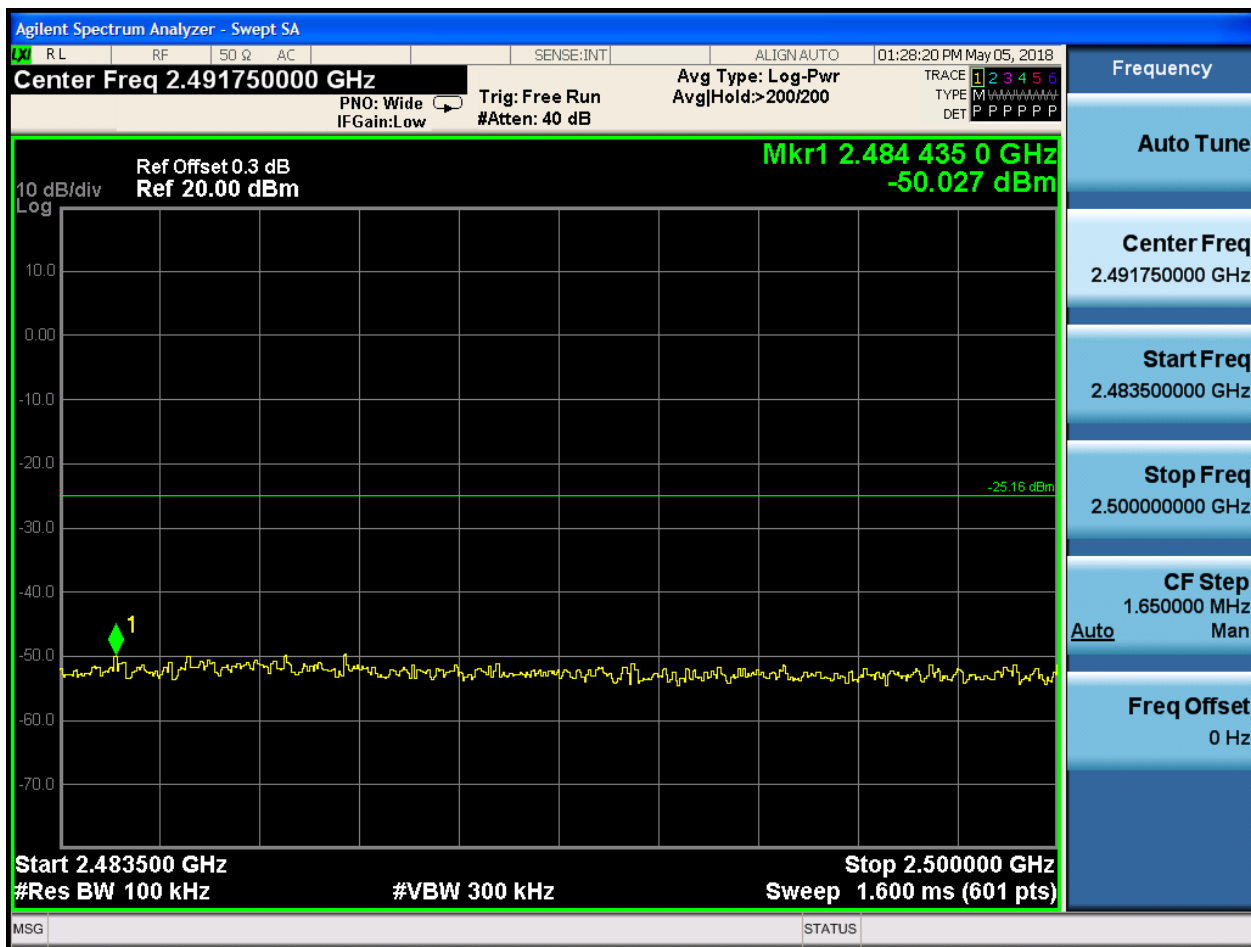
Puw:

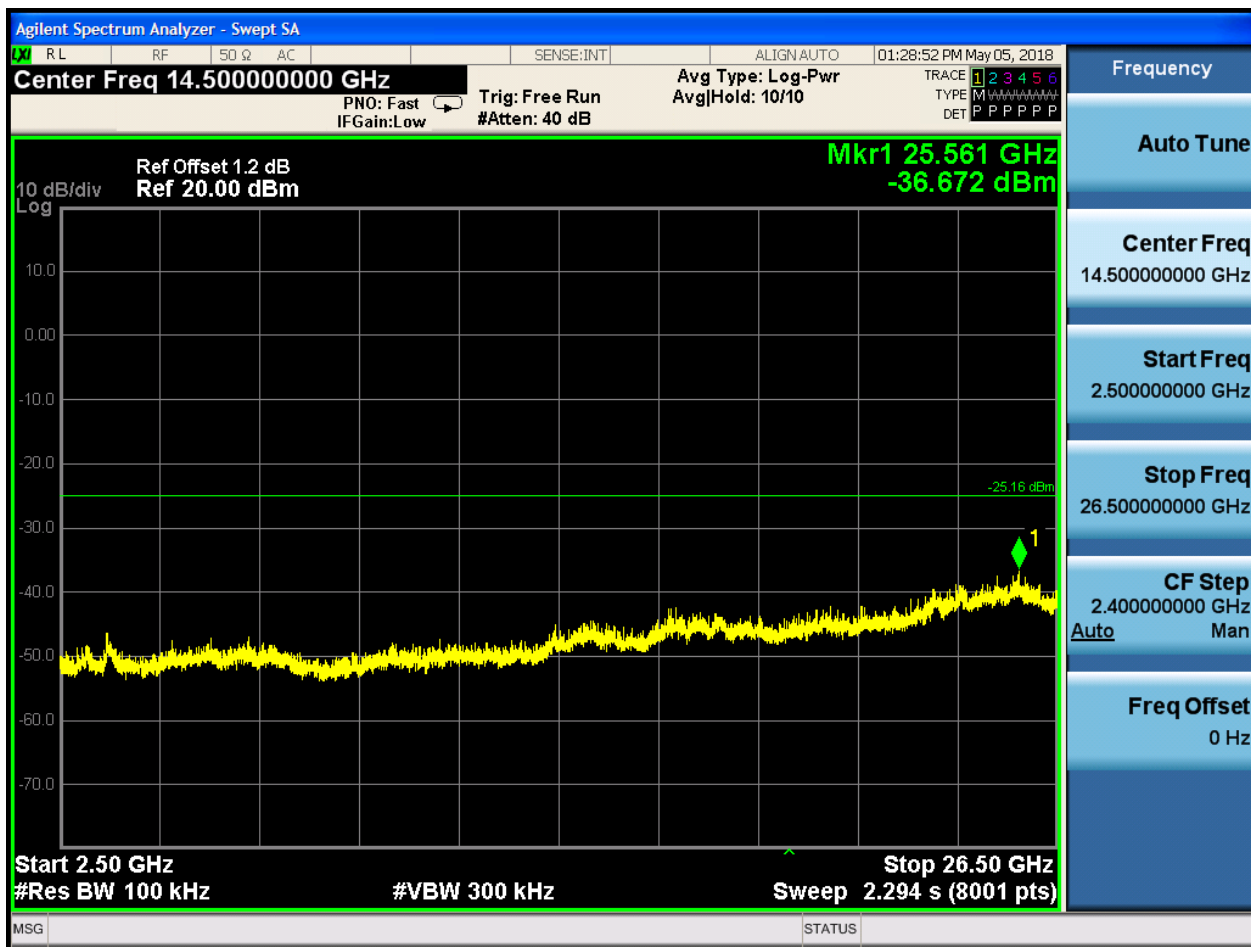








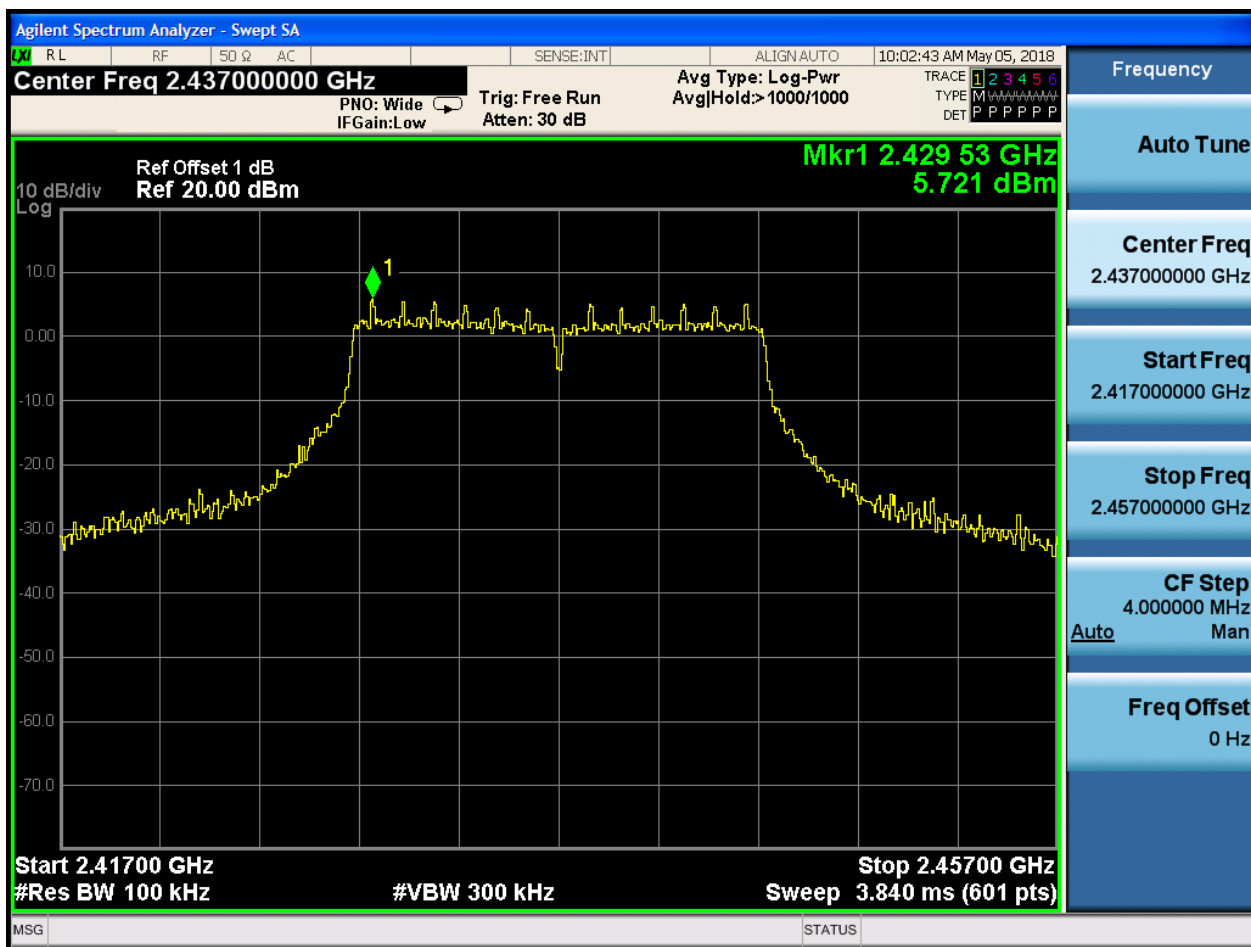






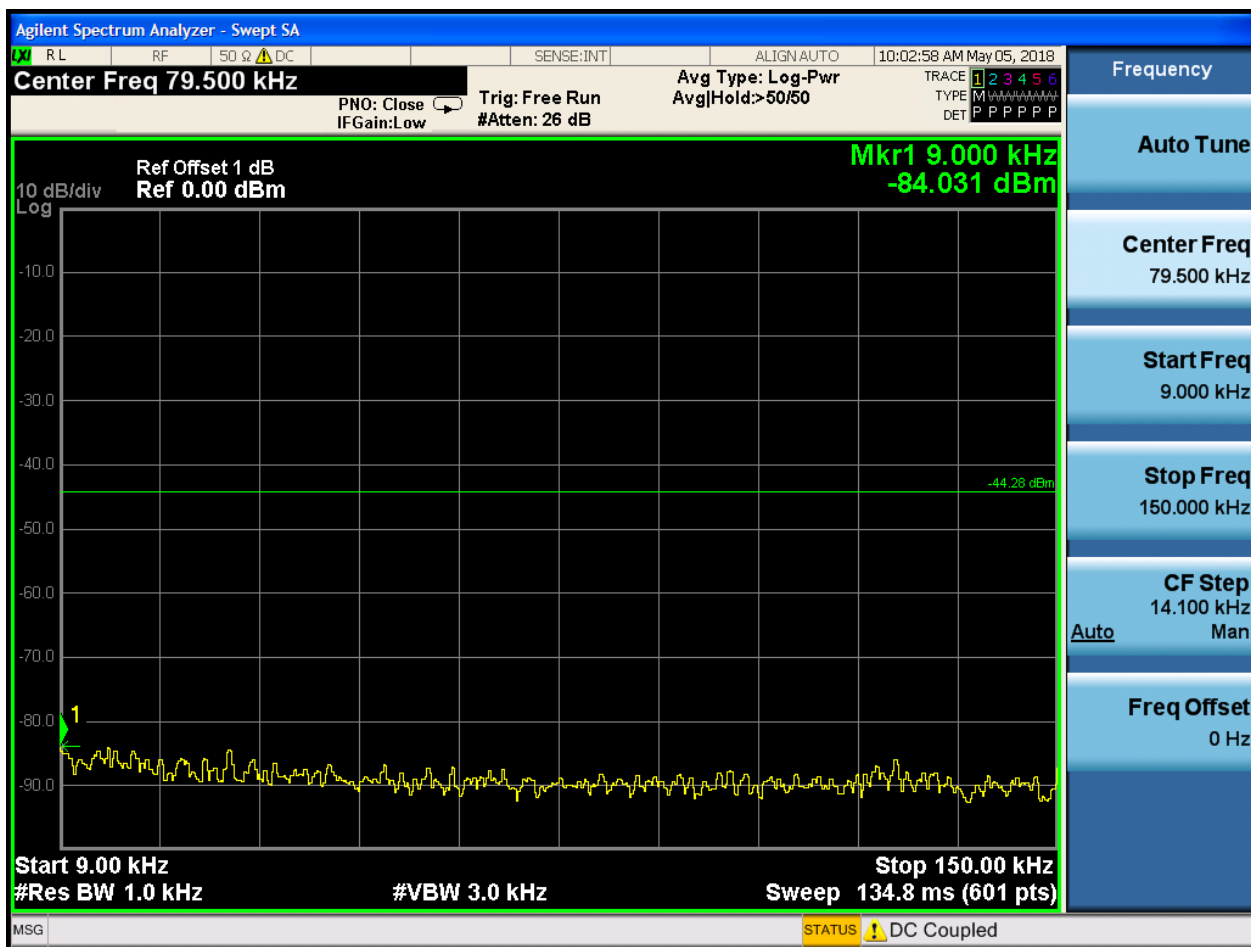
## 2.6 11G\_M\_2437@Ant 1

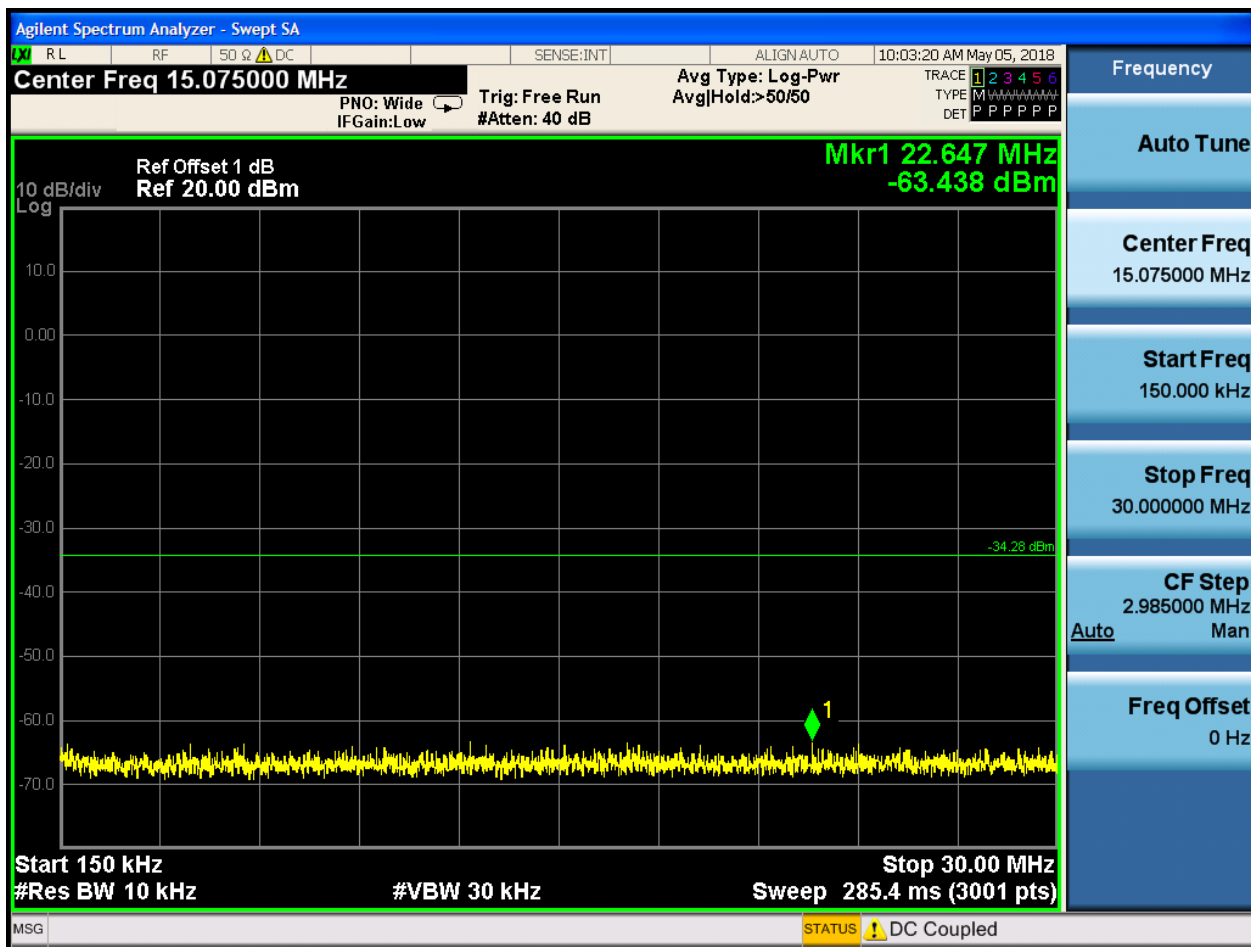
Pref:

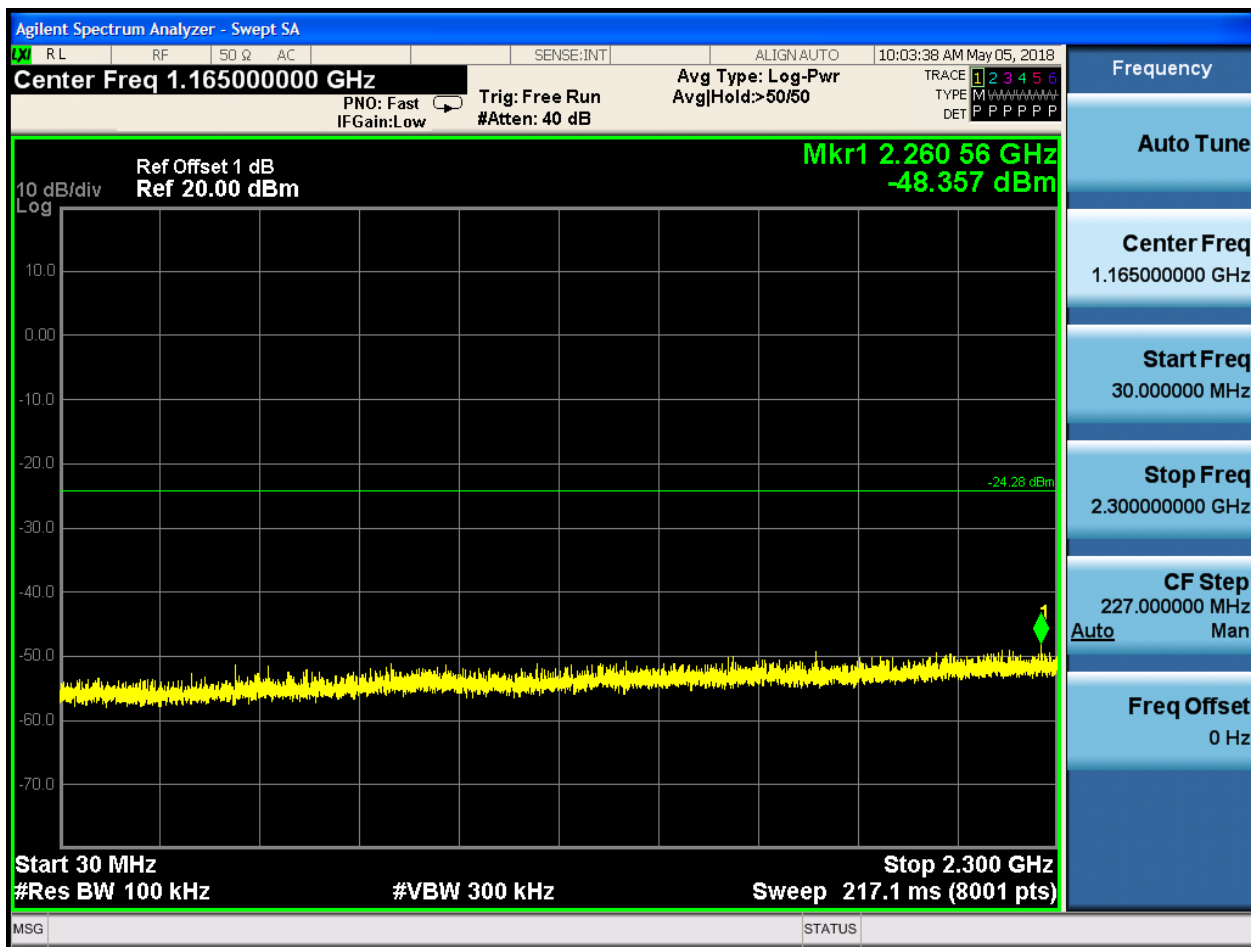


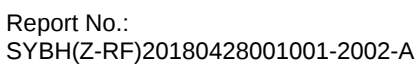


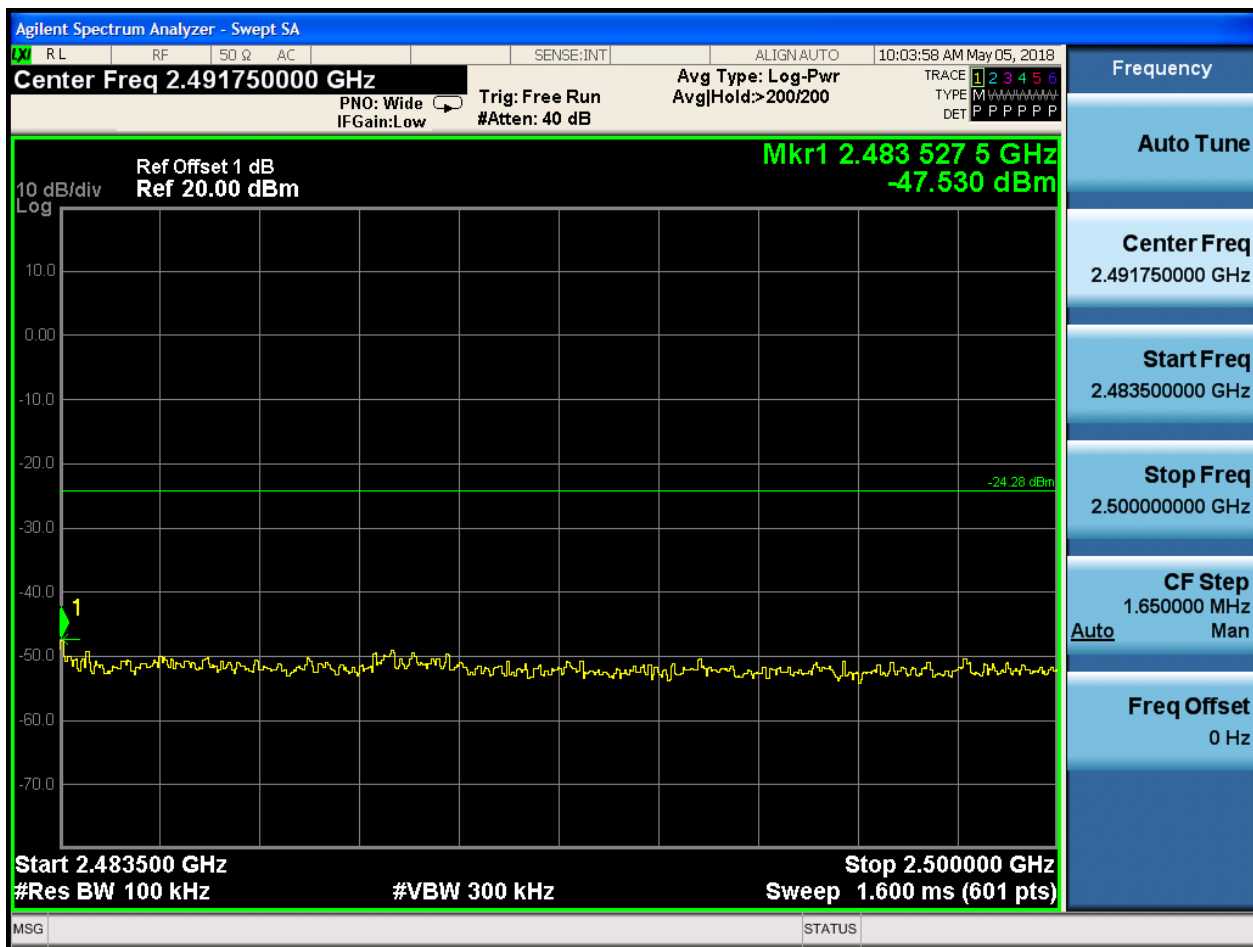
Puw:

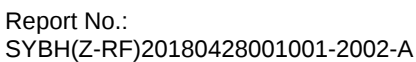








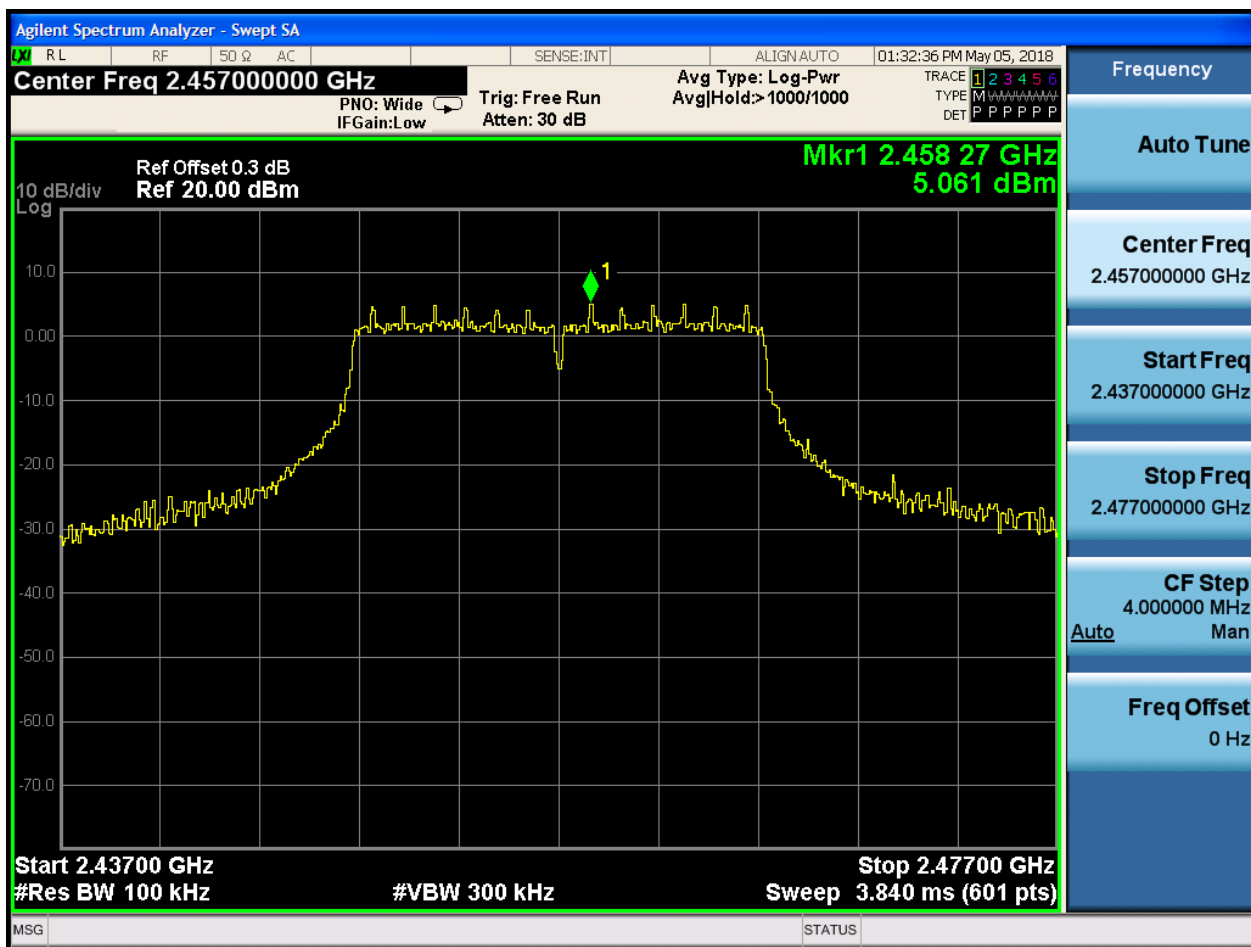






## 2.7 11G\_H\_2457@Ant 1

Pref:





Puw:

