



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.

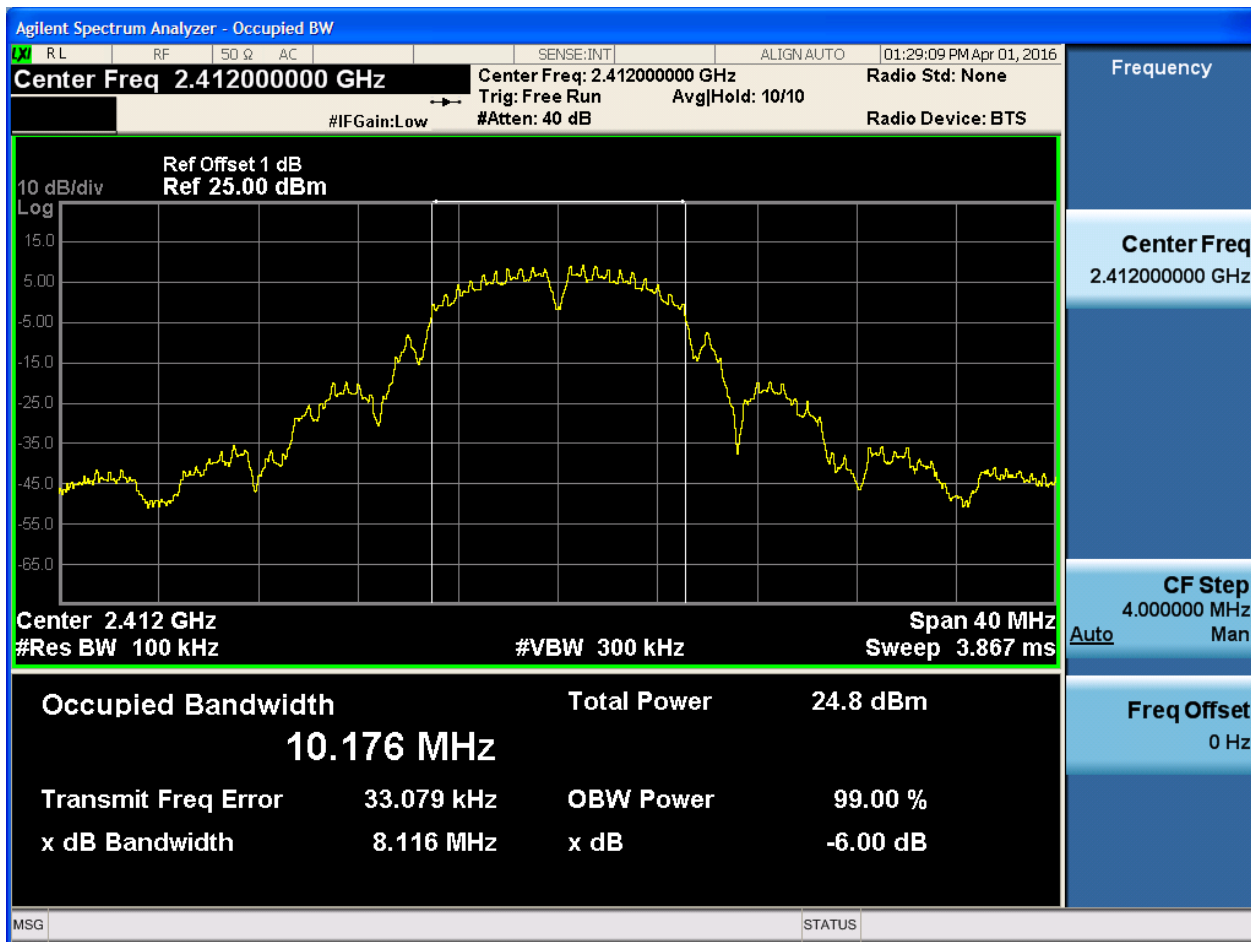
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11B	L	2412	Ant 1	8.12	pass
11B	M	2437	Ant 1	8.11	pass
11B	H	2462	Ant 1	8.10	pass
11G	L	2412	Ant 1	16.42	pass
11G	M	2437	Ant 1	16.42	pass
11G	H	2462	Ant 1	16.11	pass
11N20	L	2412	Ant 1	17.65	pass
11N20	M	2437	Ant 1	17.64	pass
11N20	H	2462	Ant 1	17.20	pass
11N40	L	2422	Ant 1	35.41	pass
11N40	M	2437	Ant 1	35.98	pass
11N40	H	2452	Ant 1	32.71	pass



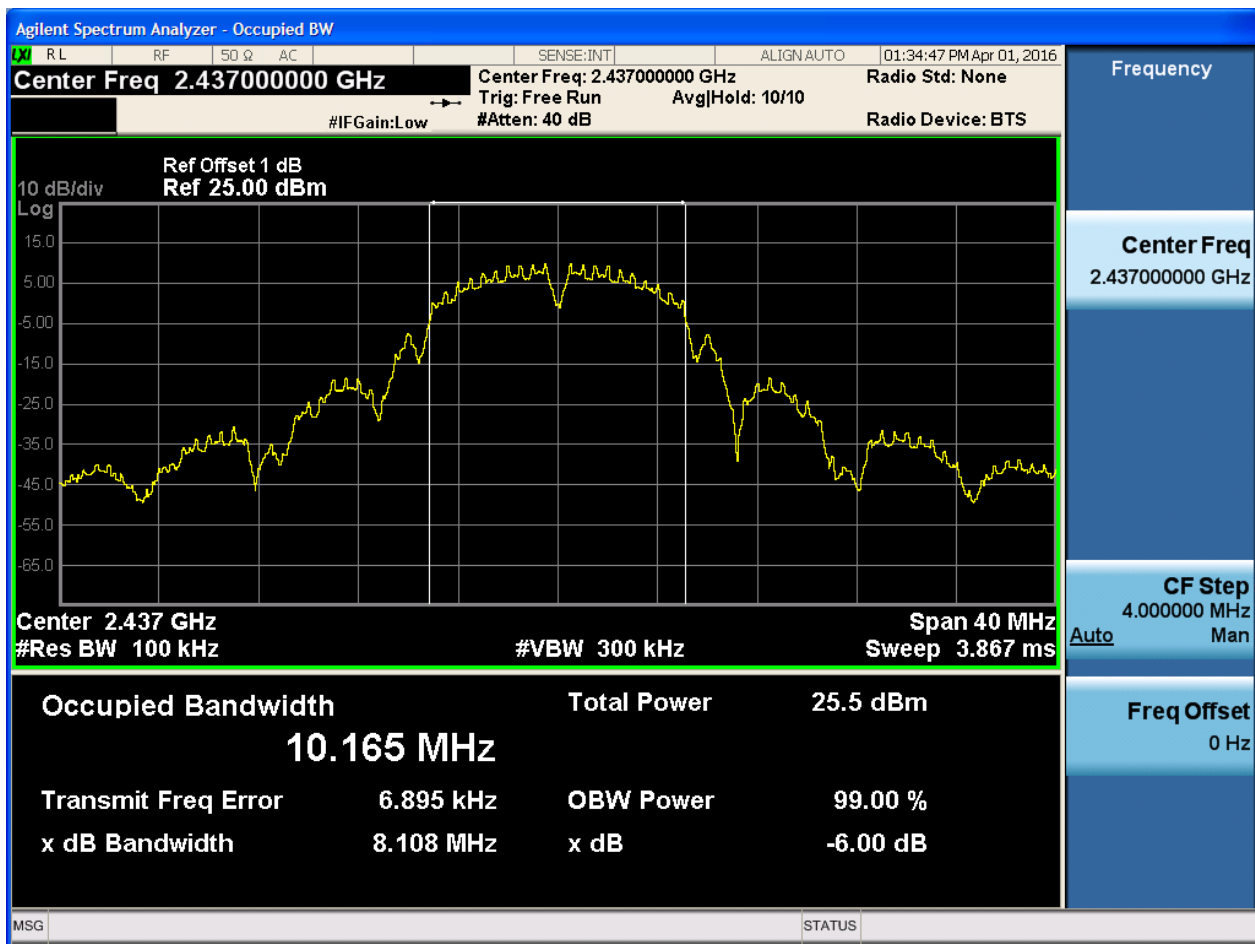
Part II - Test Plots

2.1 11B_L@Ant 1



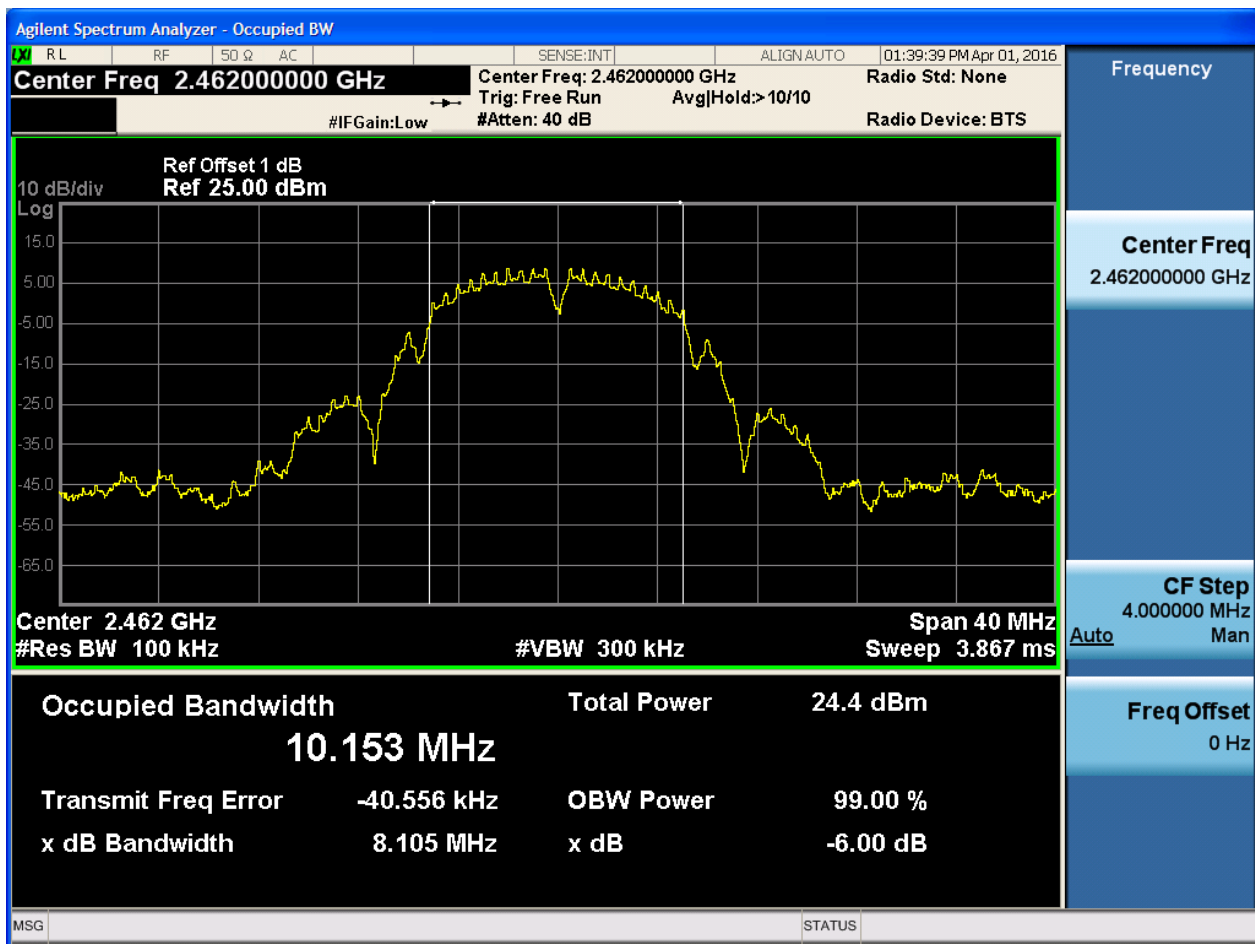


2.2 11B_M@Ant 1



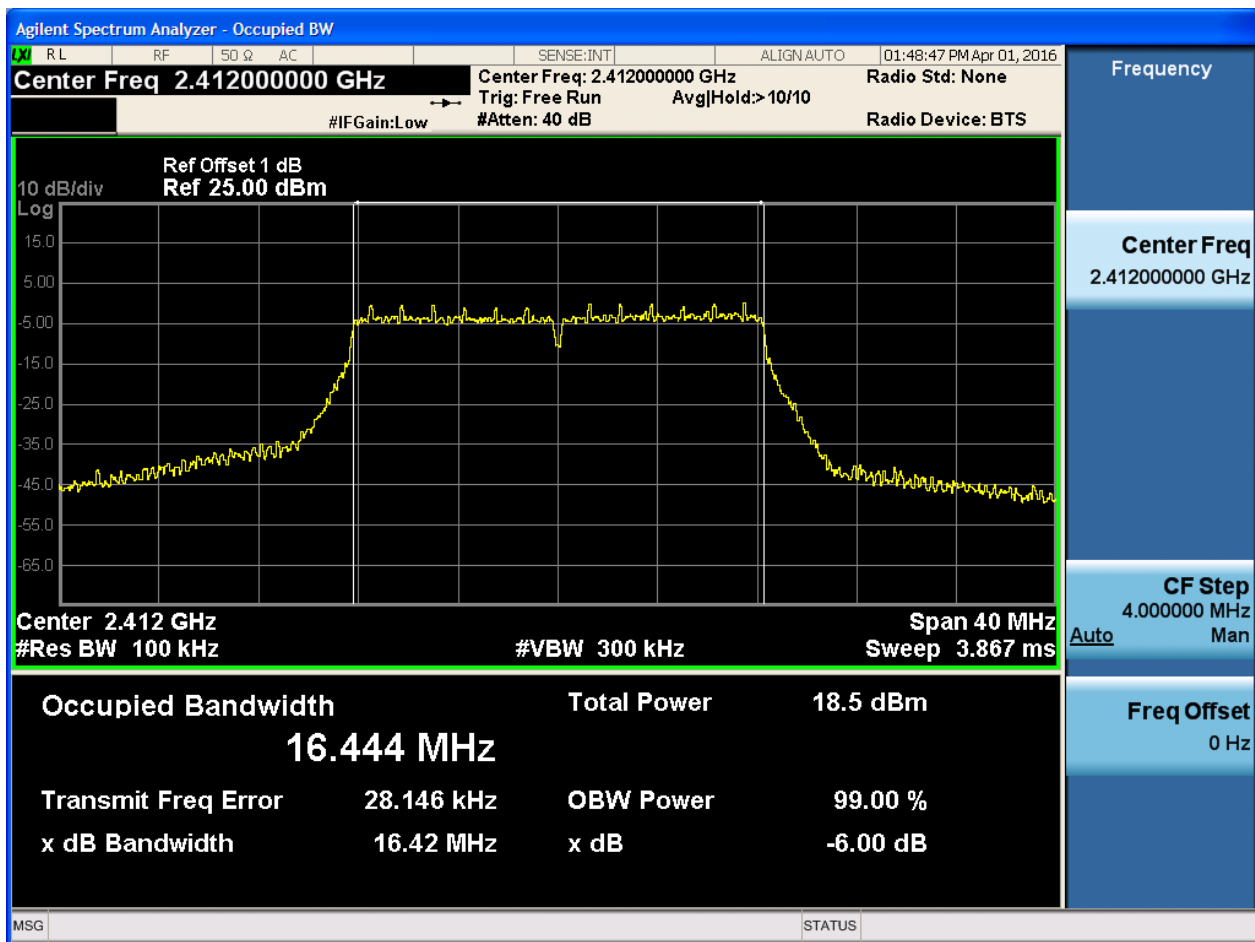


2.3 11B_H@Ant 1



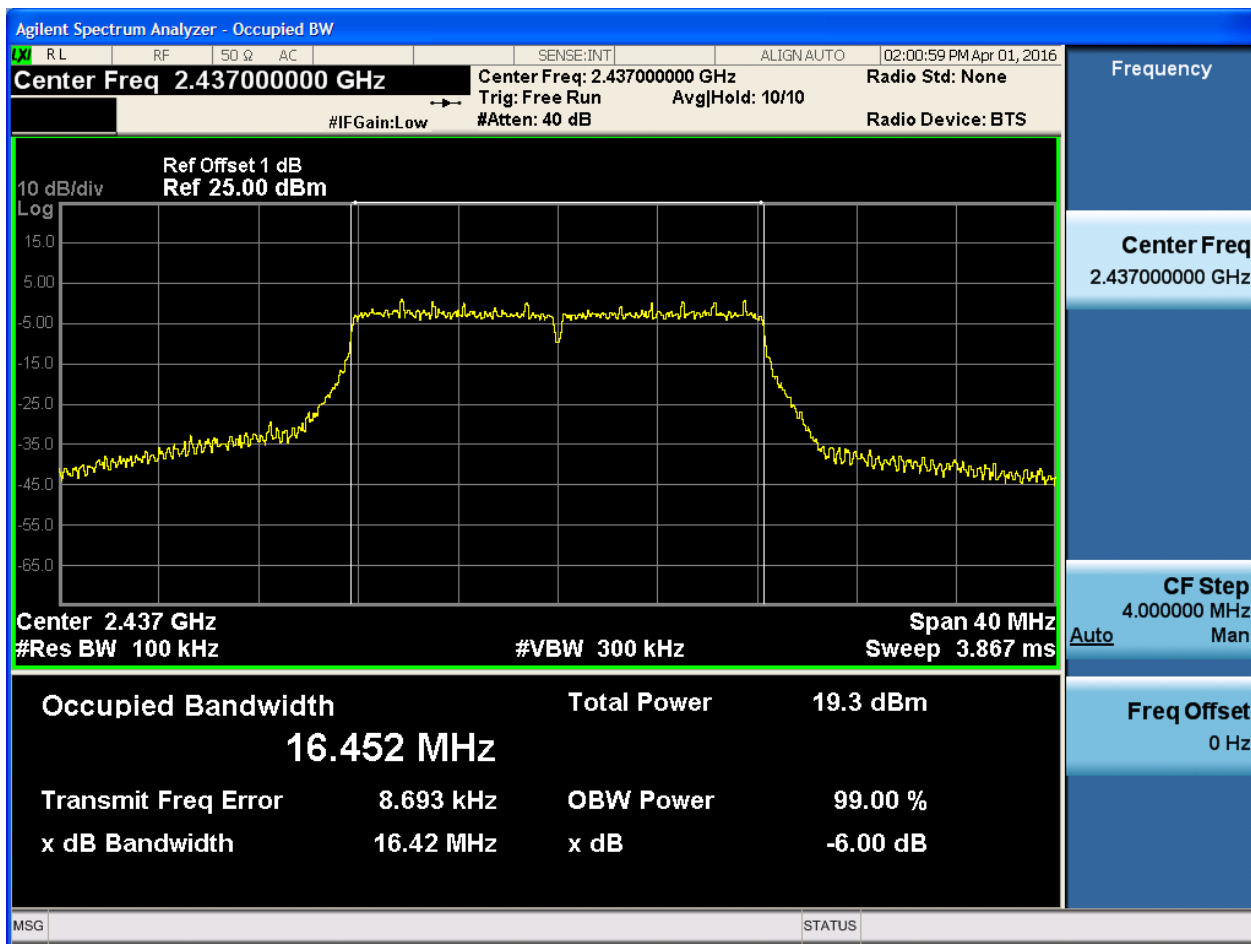


2.4 11G_L@Ant 1



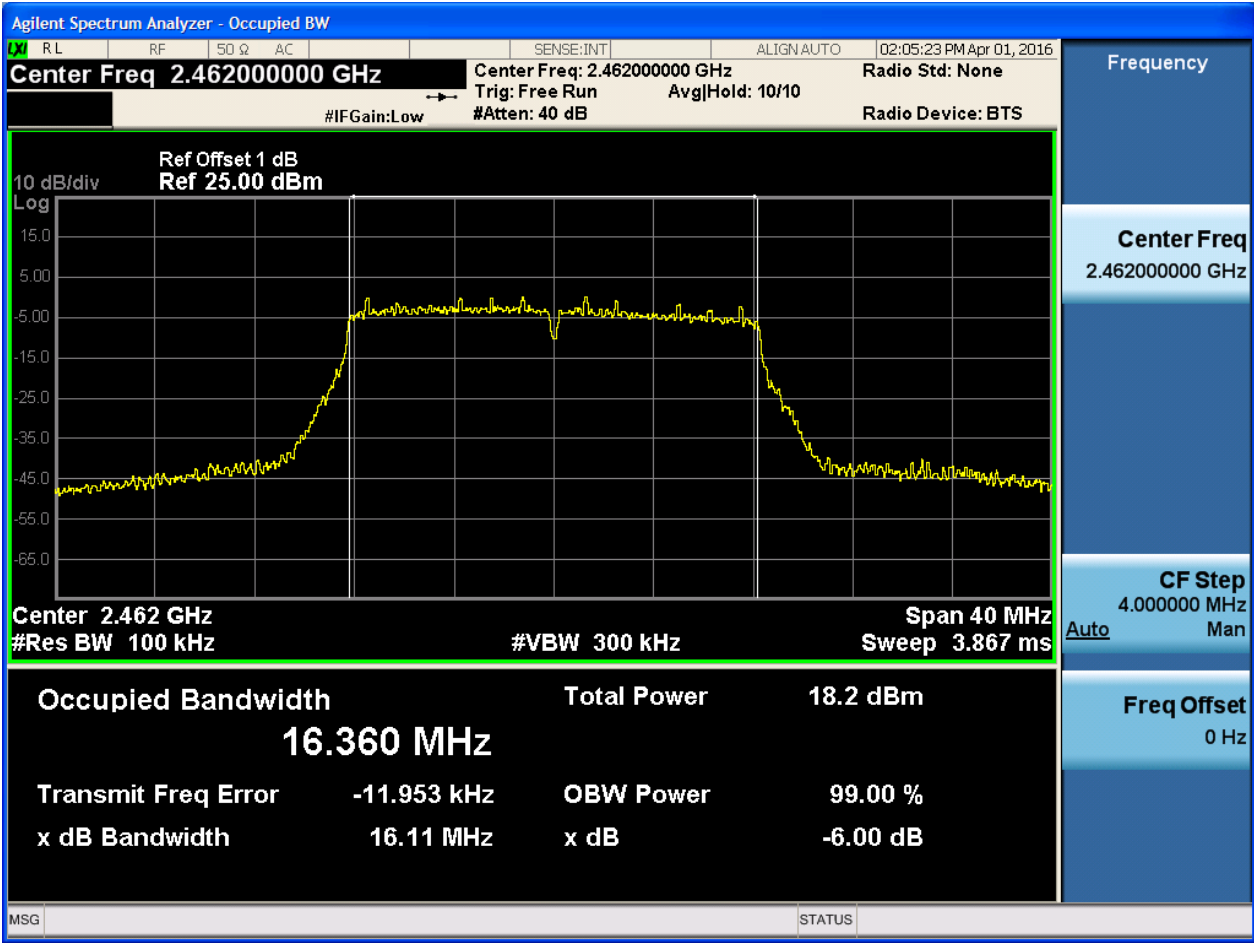


2.5 11G_M@Ant 1



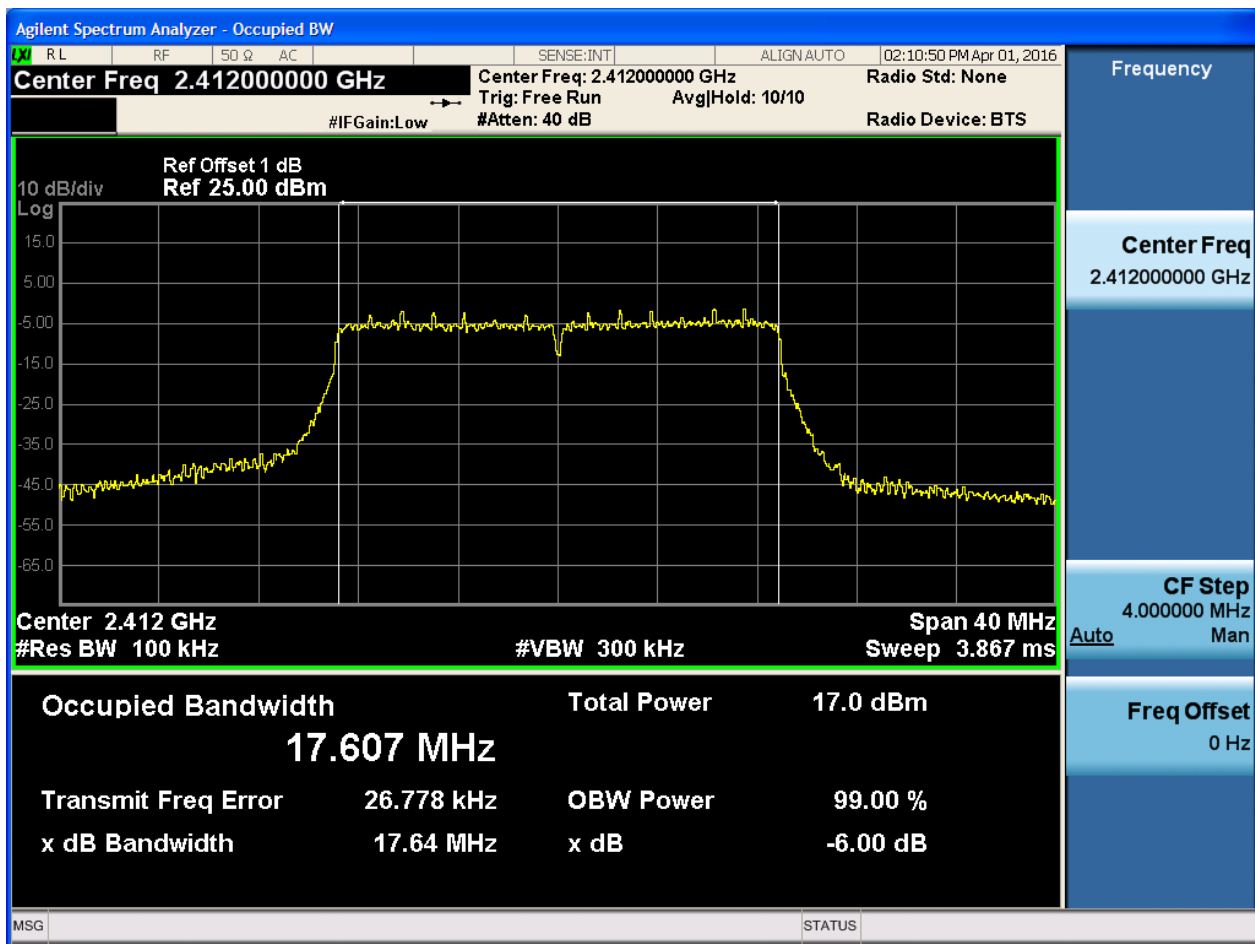


2.6 11G_H@Ant 1



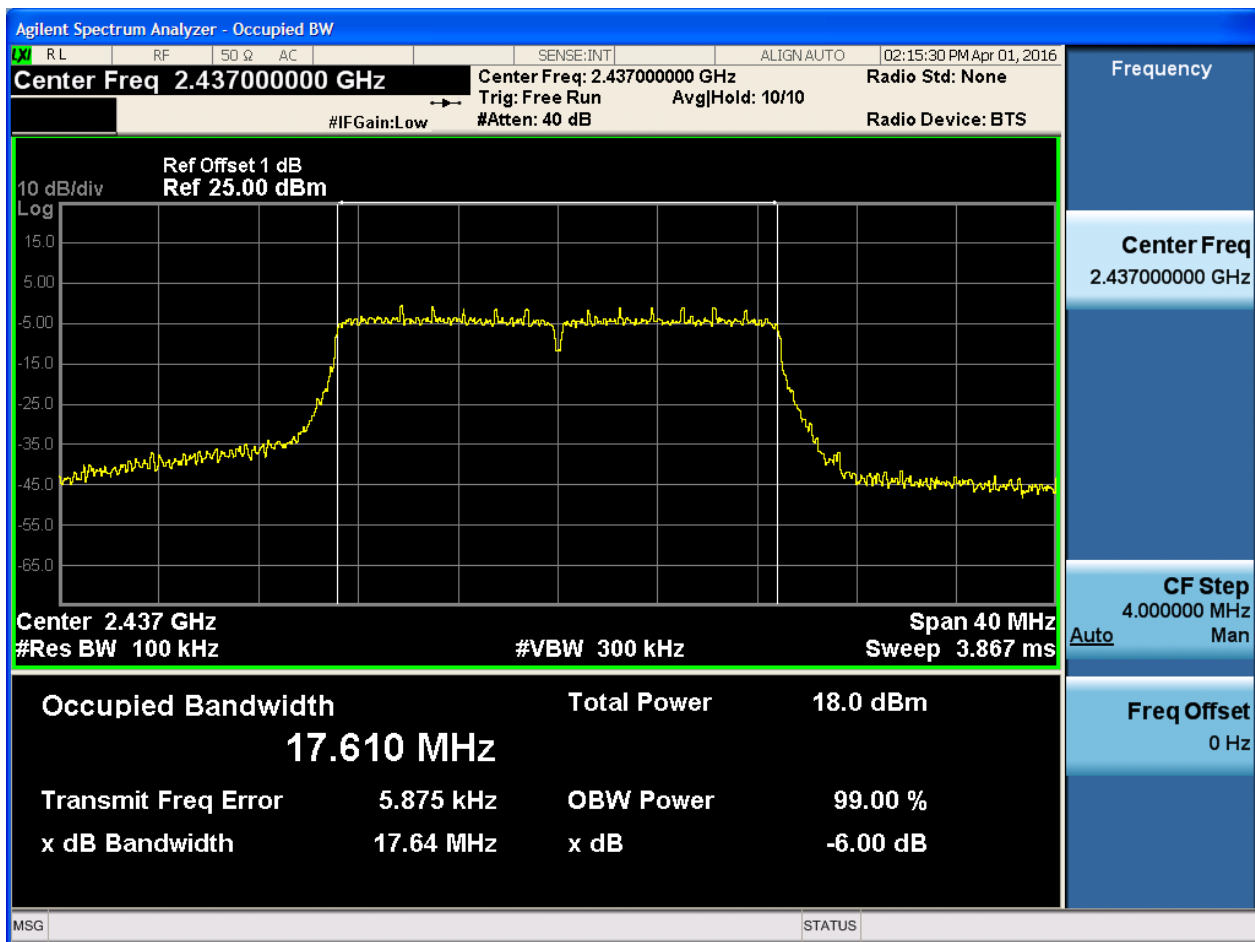


2.7 11N20_L@Ant 1



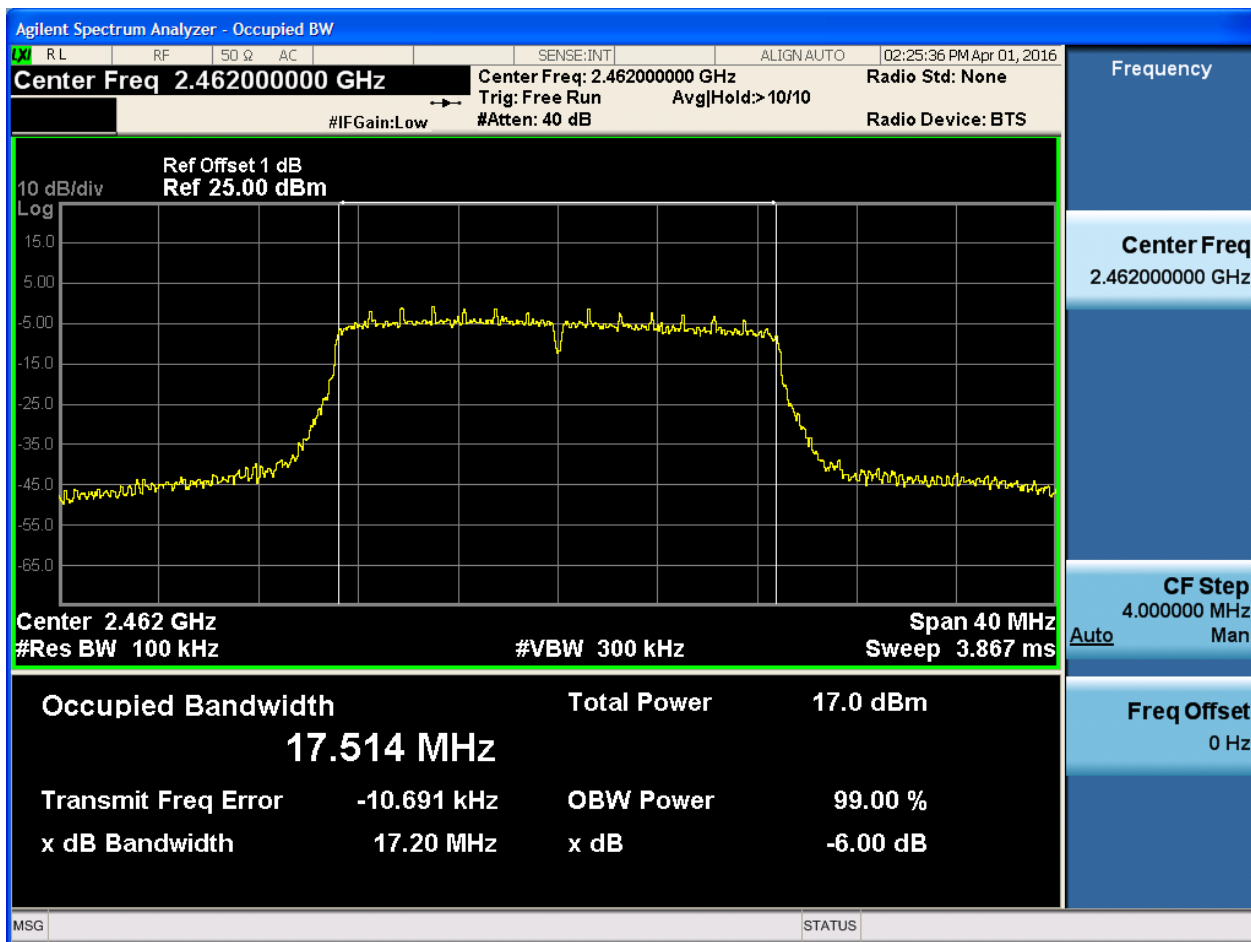


2.8 11N20_M@Ant 1



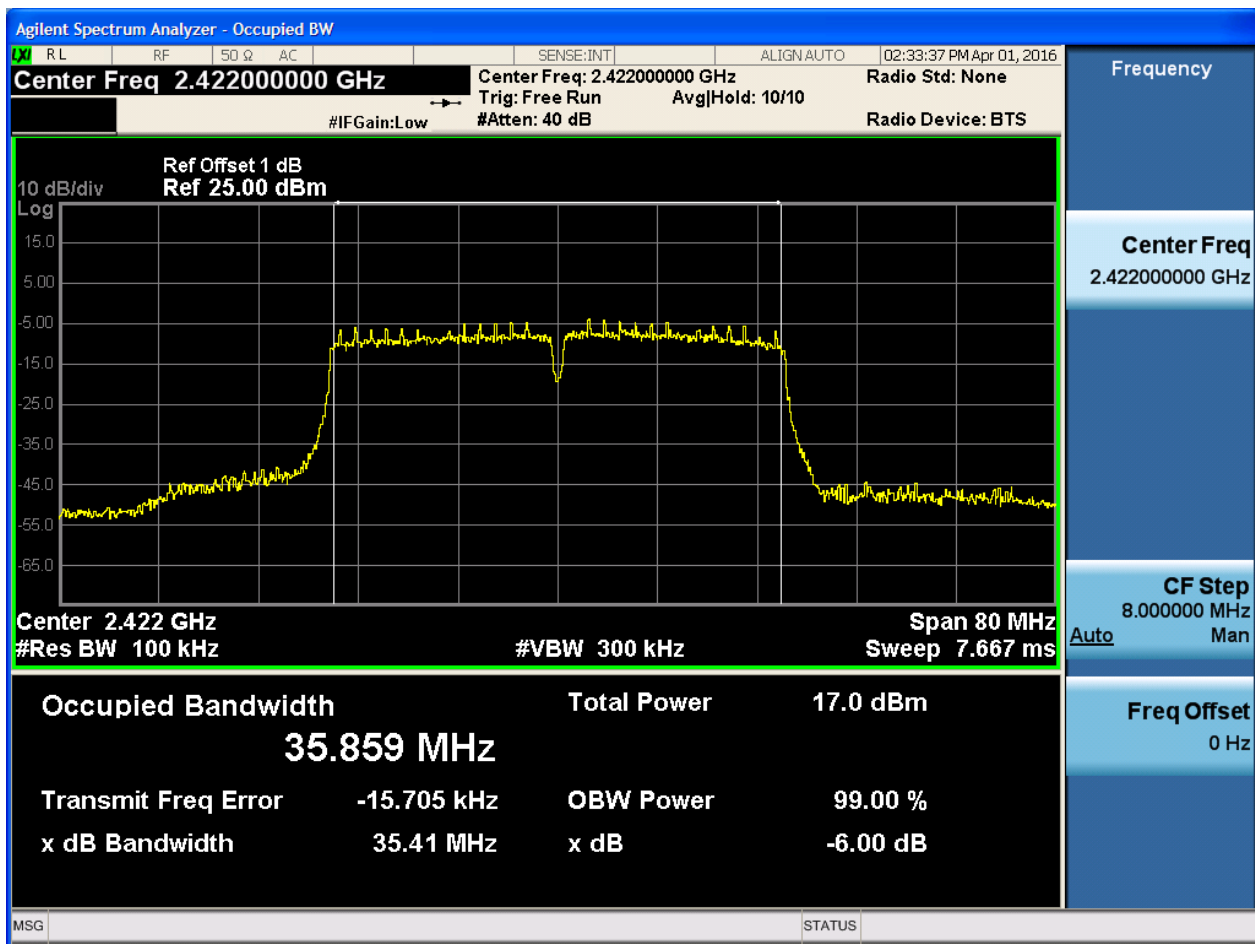


2.9 11N20_H@Ant 1



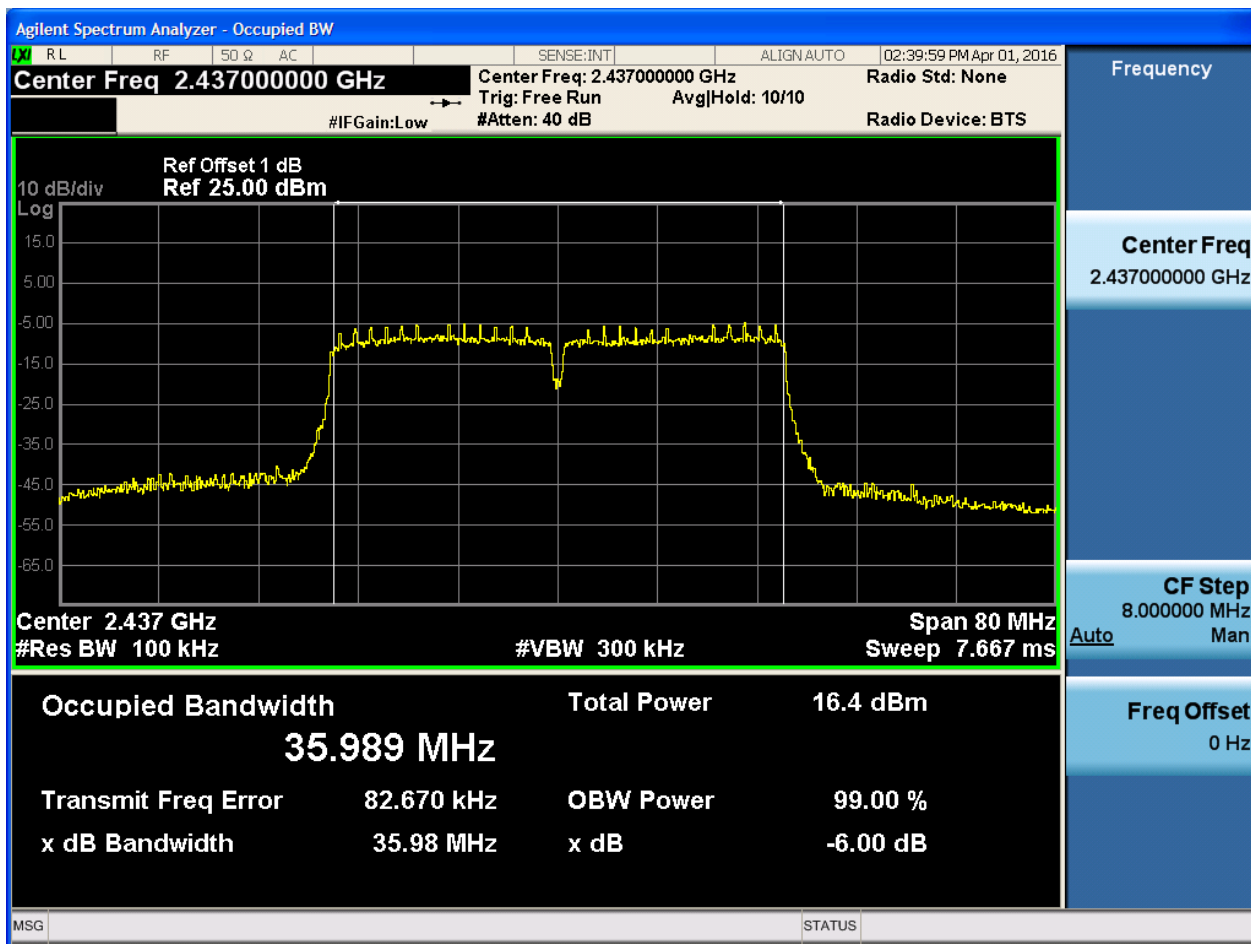


2.10 11N40_L@Ant 1



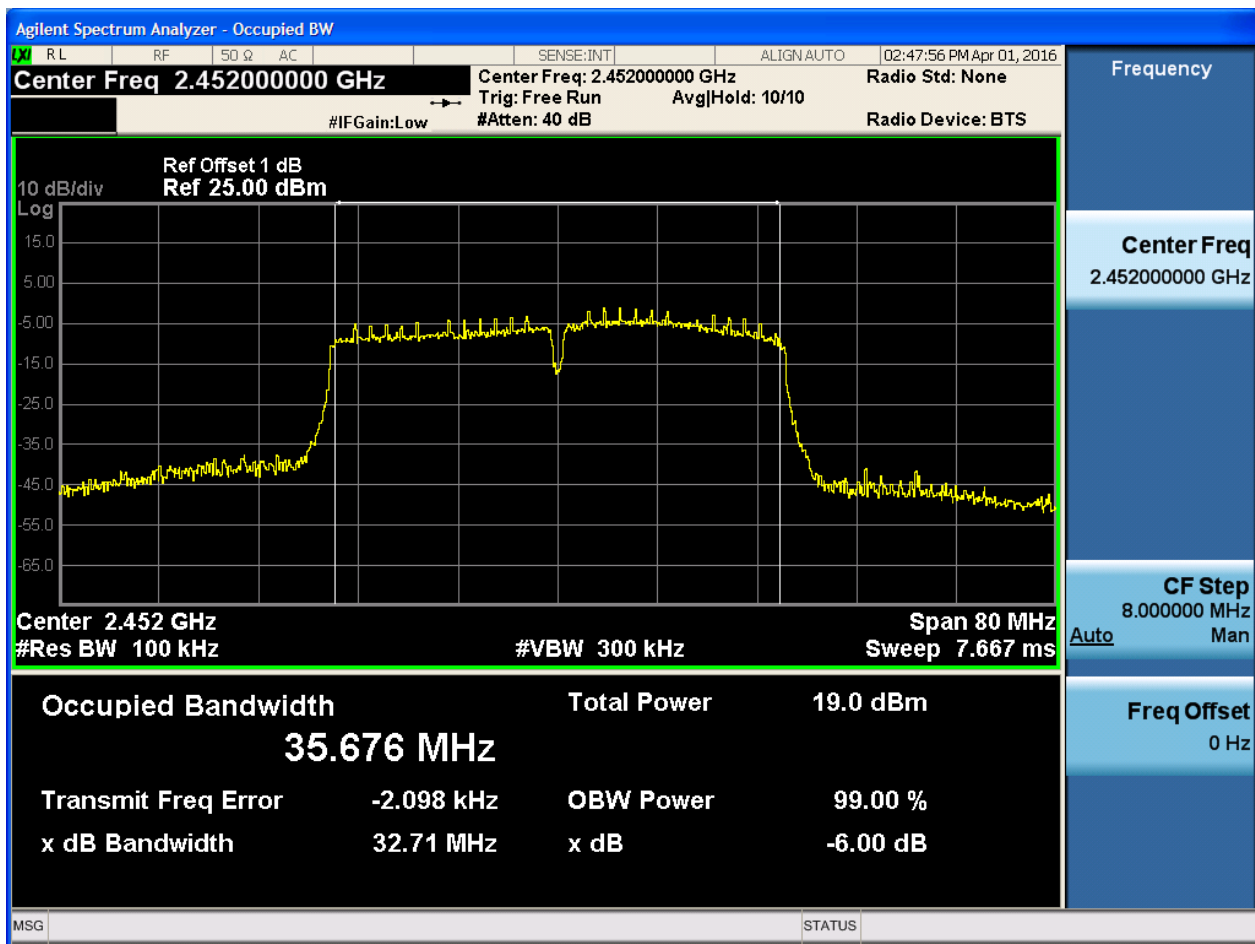


2.11 11N40_M@Ant 1





2.12 11N40_H@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.

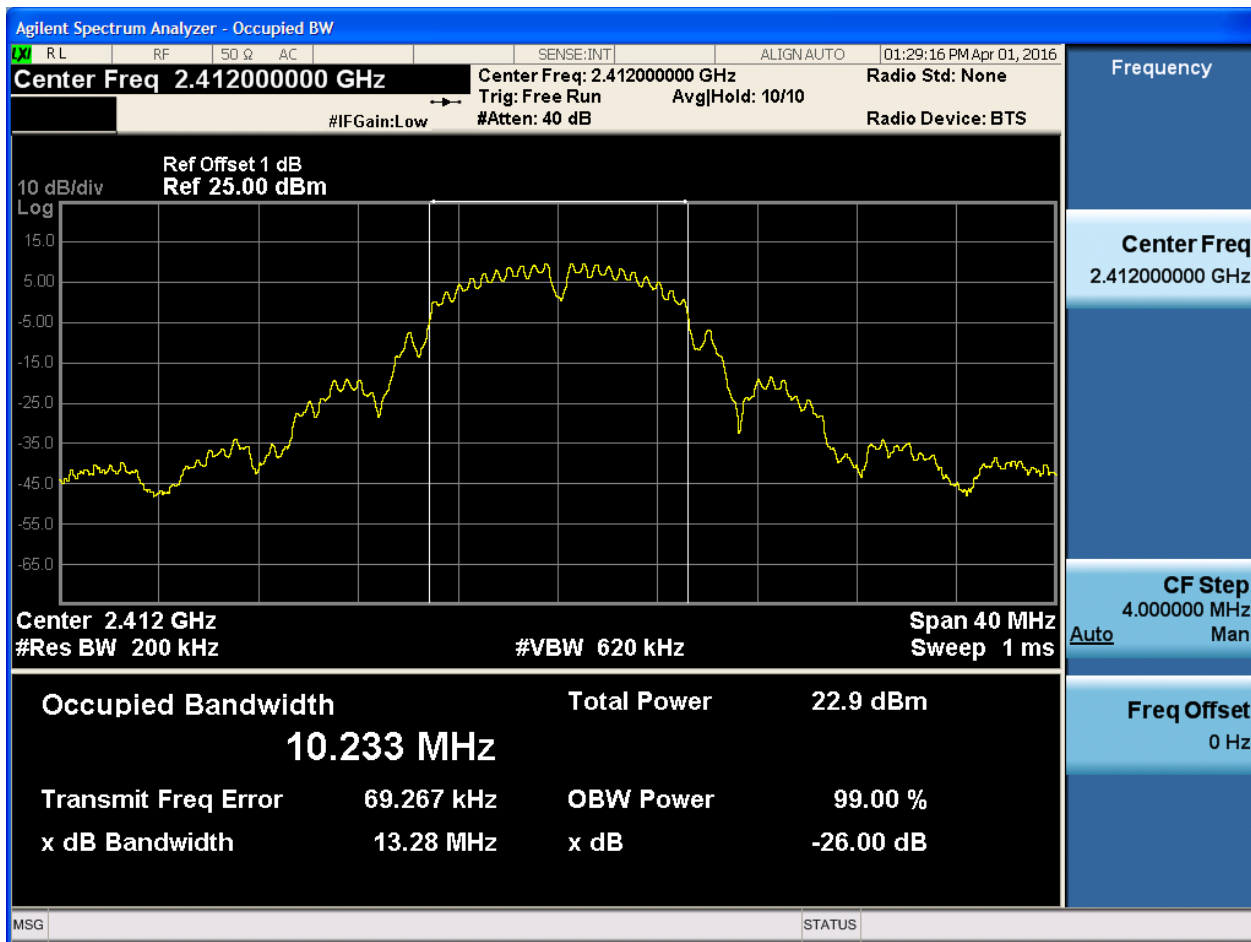
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11B	L	2412	Ant 1	10.23	pass
11B	M	2437	Ant 1	10.23	pass
11B	H	2462	Ant 1	10.21	pass
11G	L	2412	Ant 1	16.53	pass
11G	M	2437	Ant 1	16.56	pass
11G	H	2462	Ant 1	16.39	pass
11N20	L	2412	Ant 1	17.63	pass
11N20	M	2437	Ant 1	17.63	pass
11N20	H	2462	Ant 1	17.49	pass
11N40	L	2422	Ant 1	35.86	pass
11N40	M	2437	Ant 1	36.06	pass
11N40	H	2452	Ant 1	35.71	pass



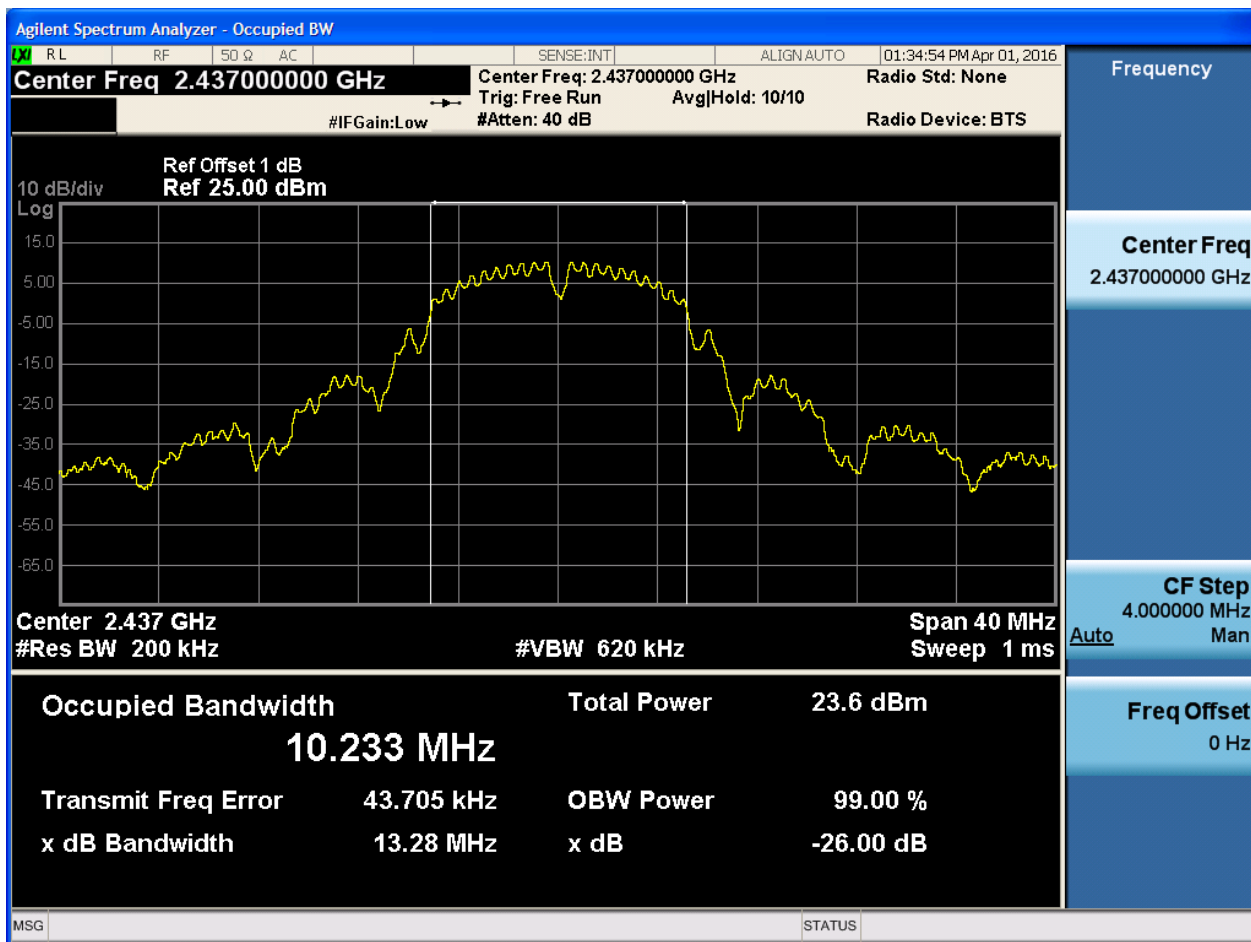
Part II - Test Plots

2.1 11B_L@Ant 1



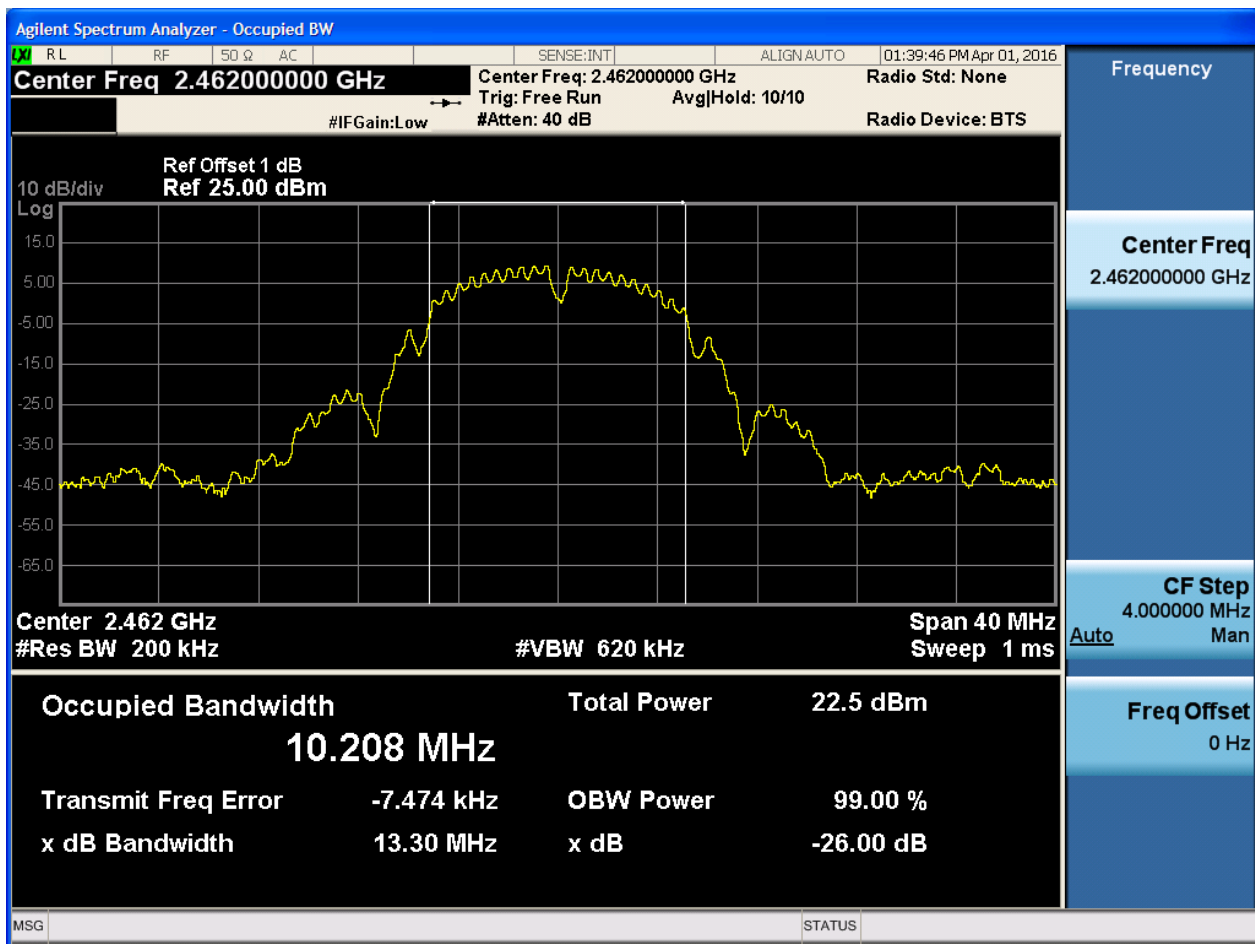


2.2 11B_M@Ant 1



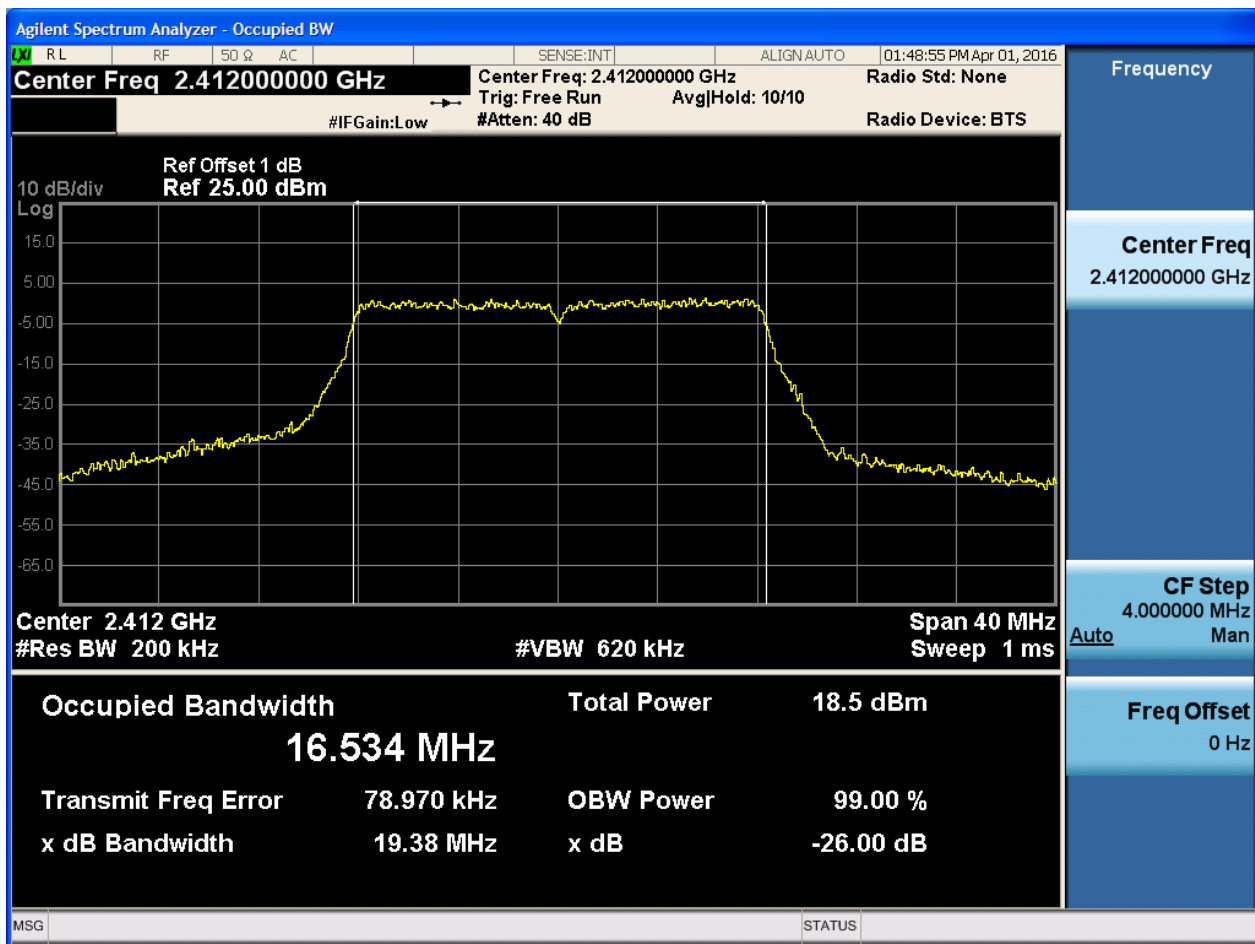


2.3 11B_H@Ant 1



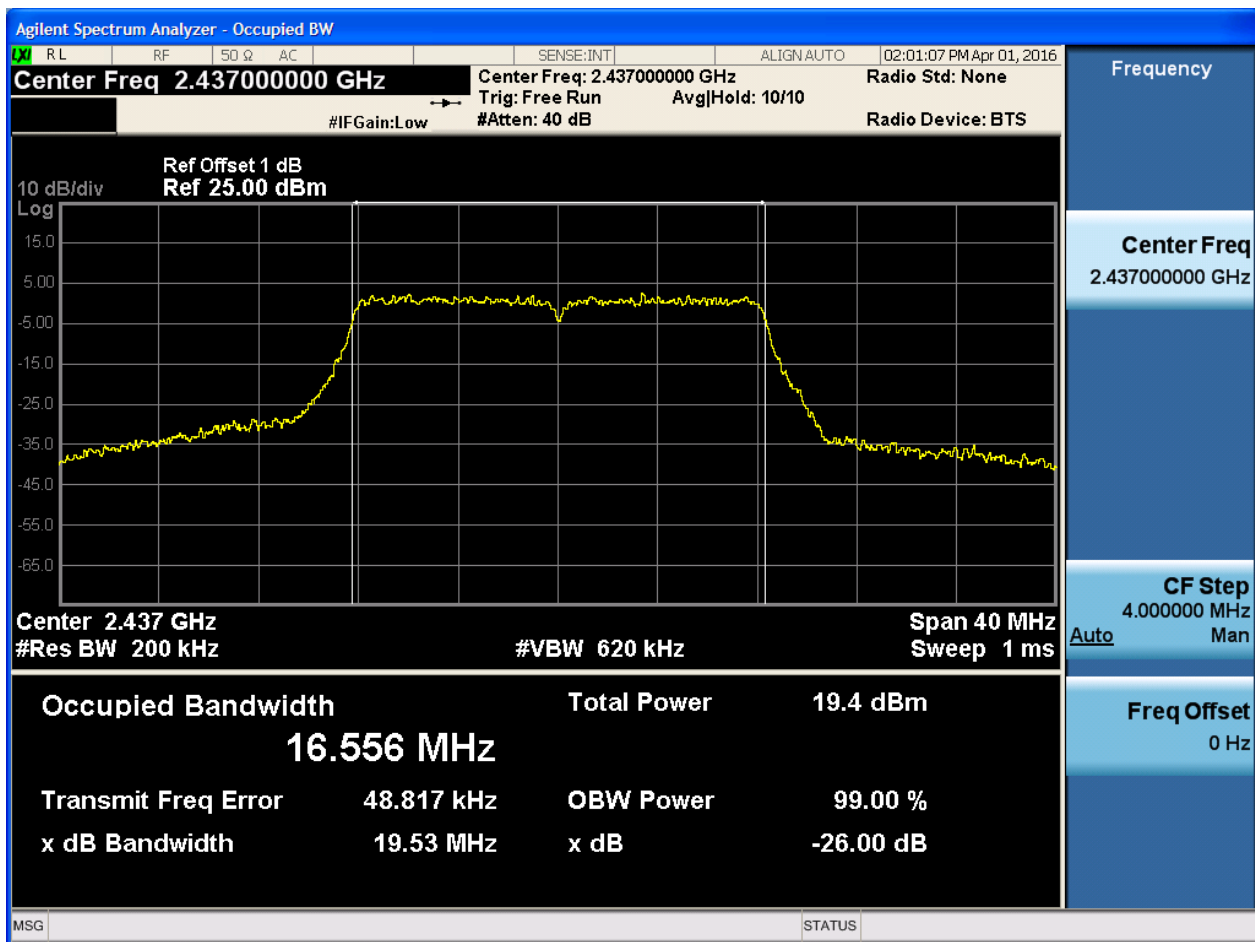


2.4 11G_L@Ant 1



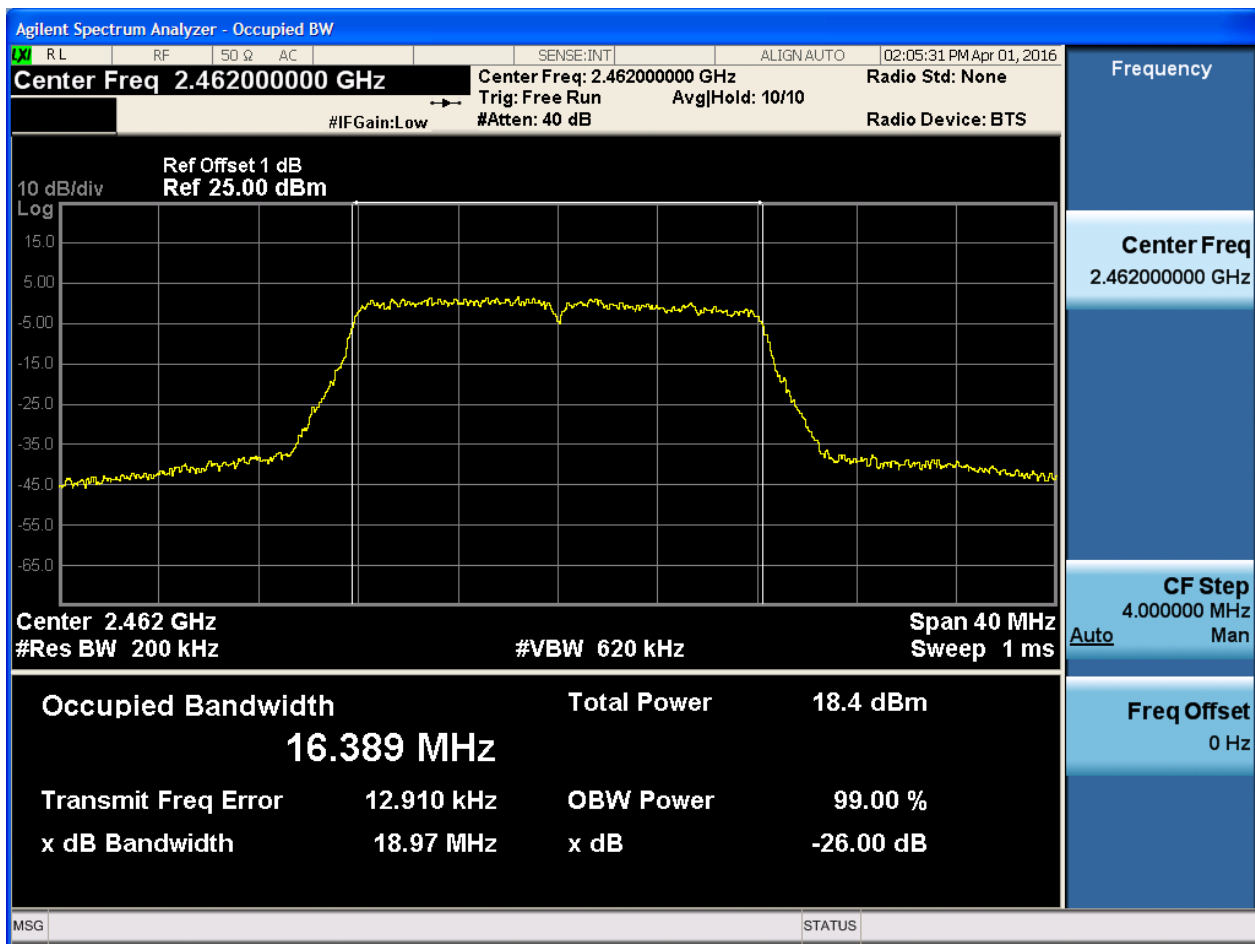


2.5 11G_M@Ant 1



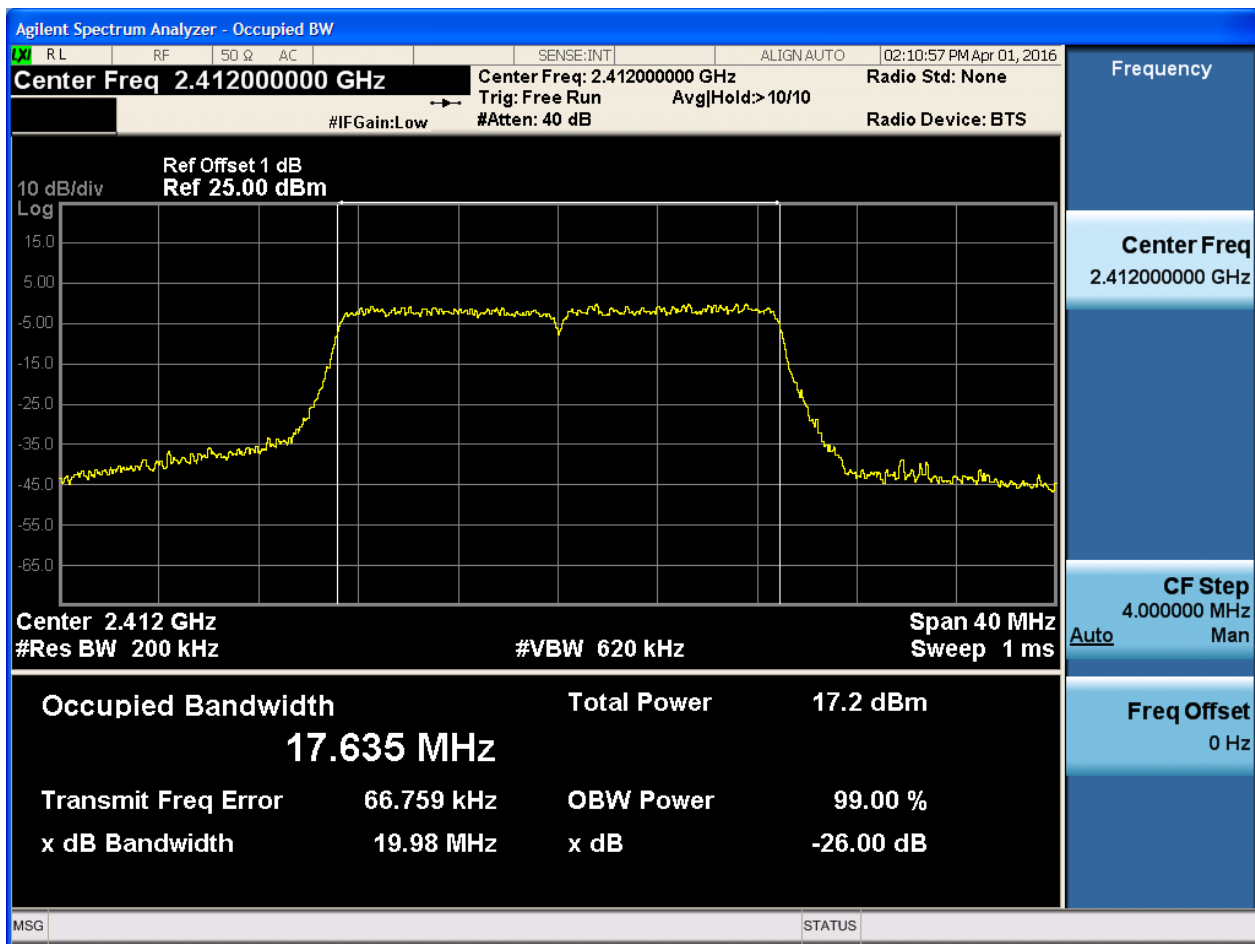


2.6 11G_H@Ant 1



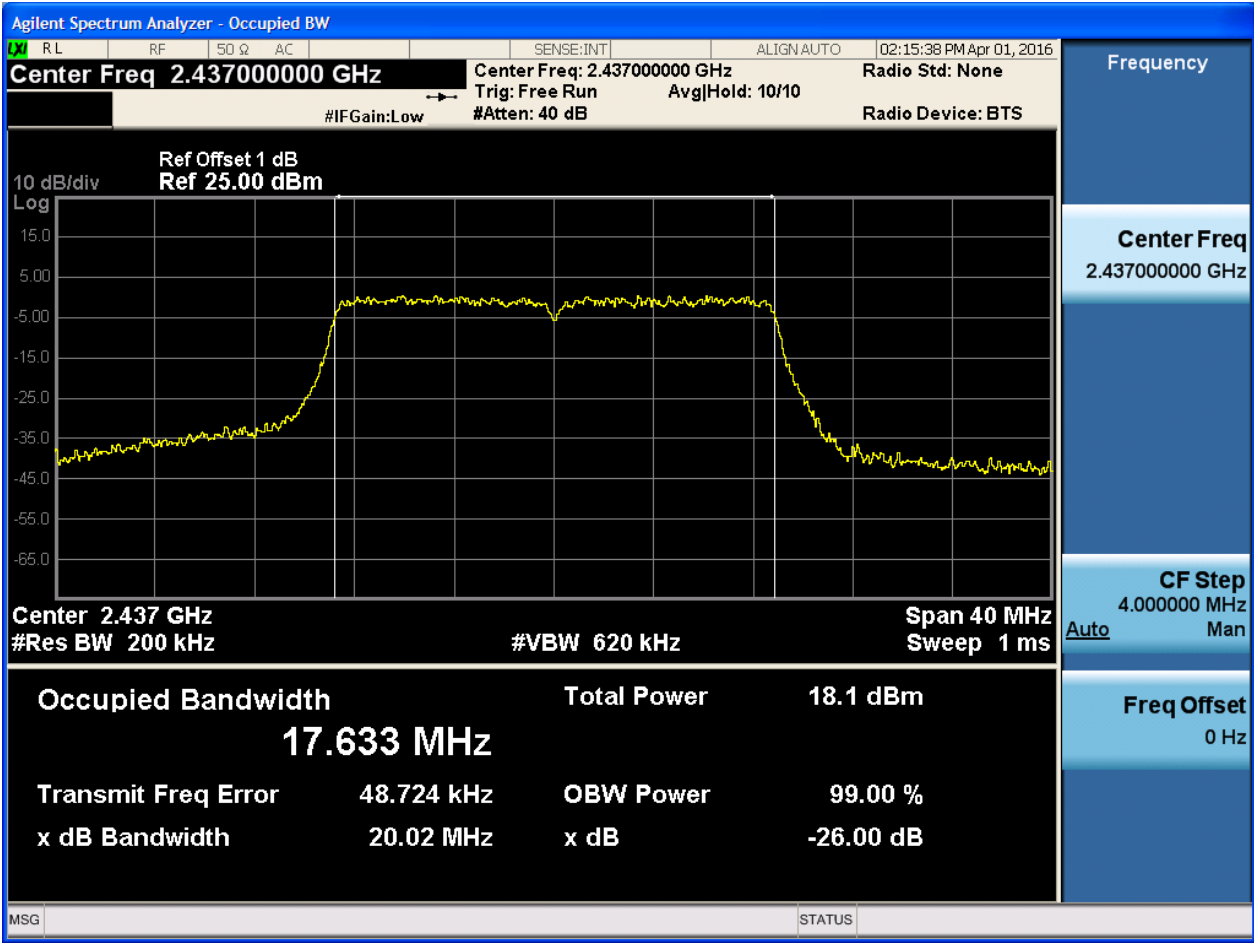


2.7 11N20_L@Ant 1



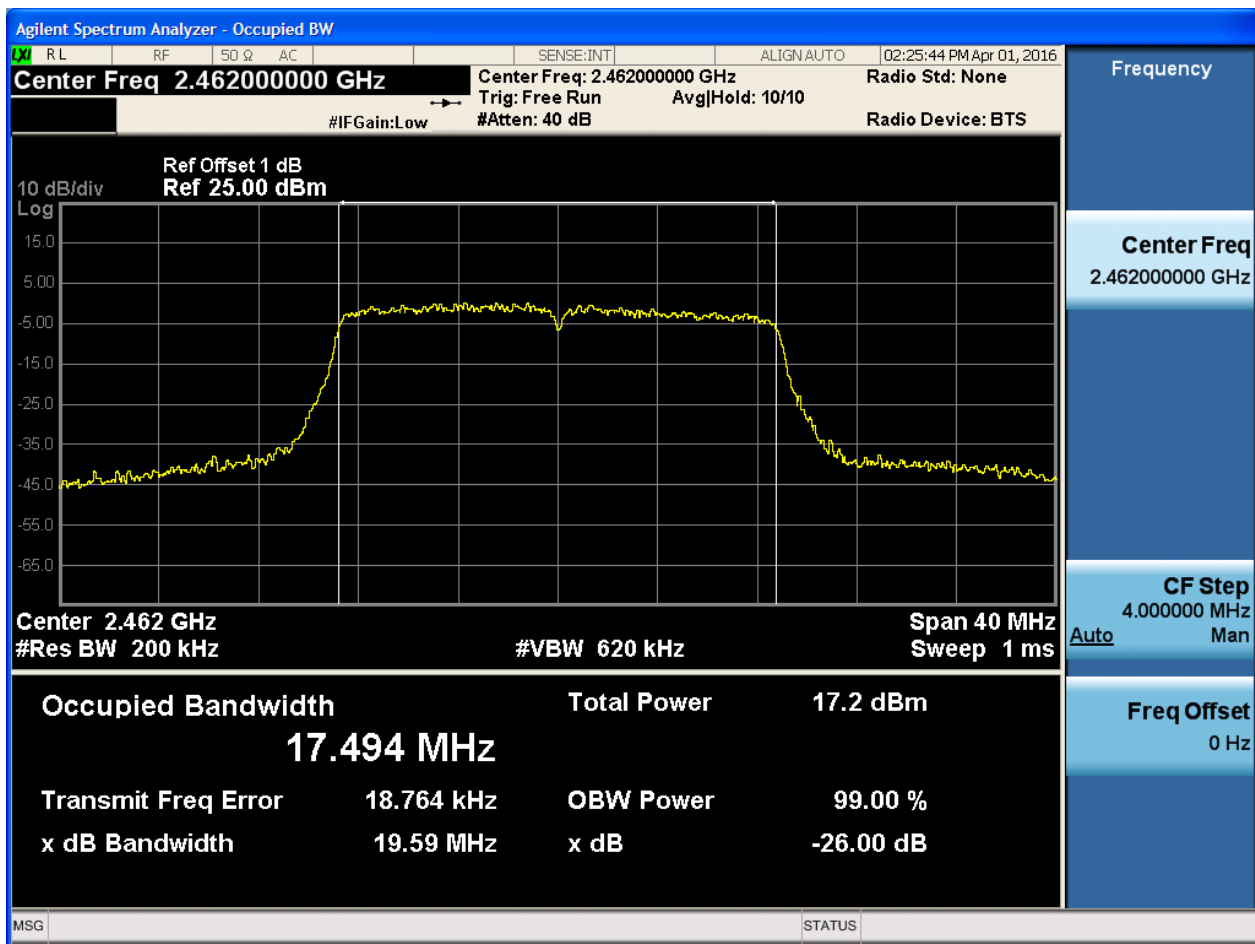


2.8 11N20_M@Ant 1



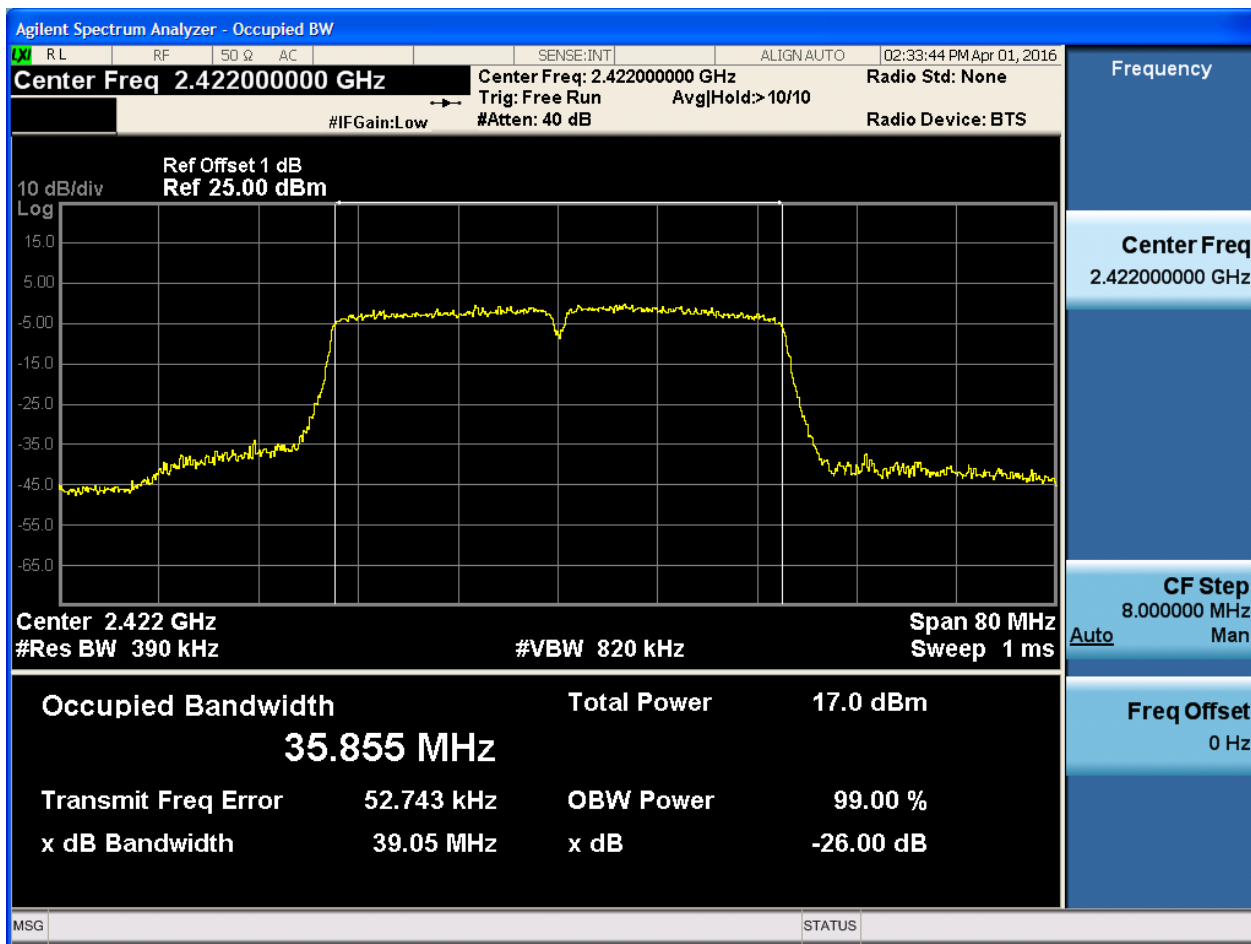


2.9 11N20_H@Ant 1



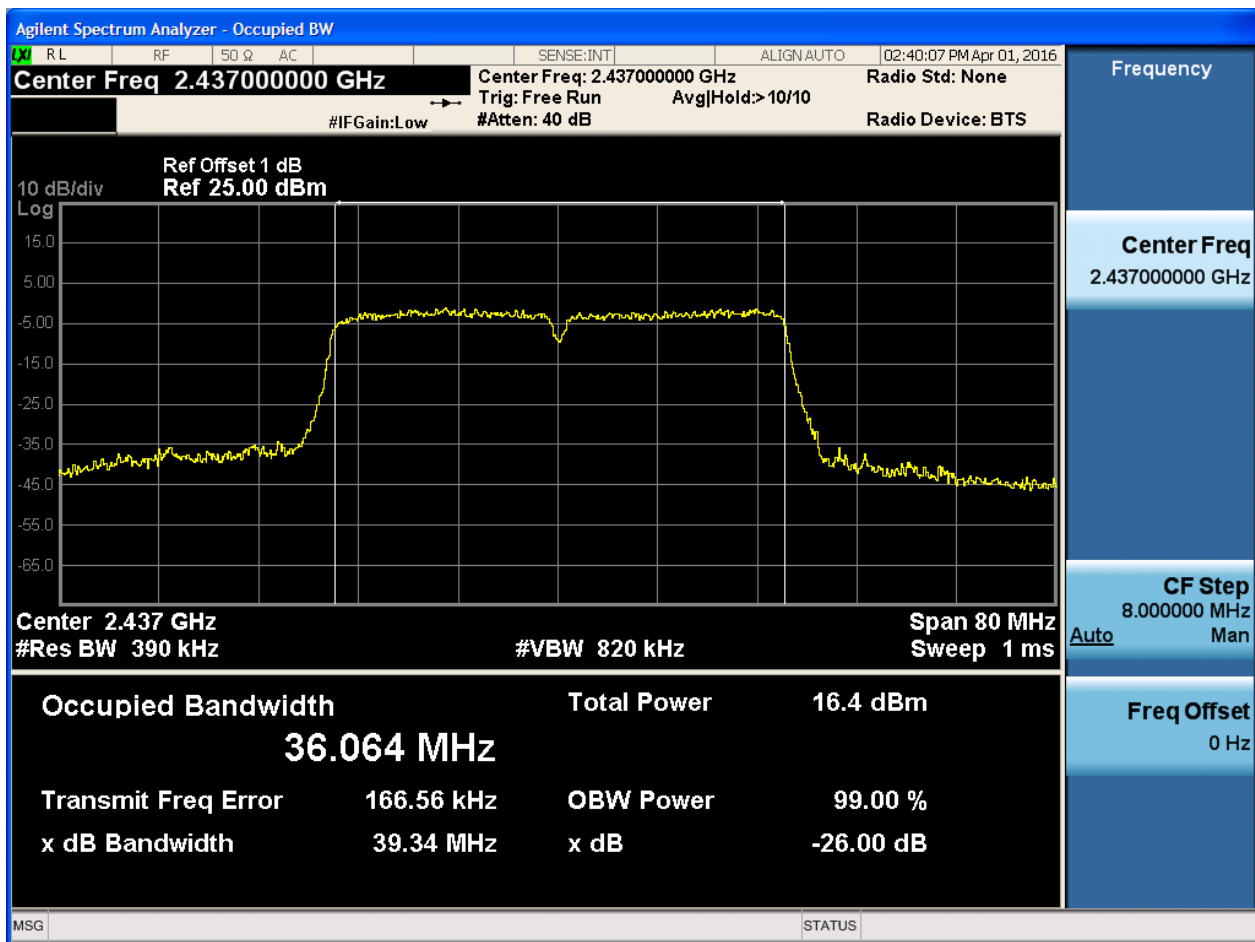


2.10 11N40_L@Ant 1



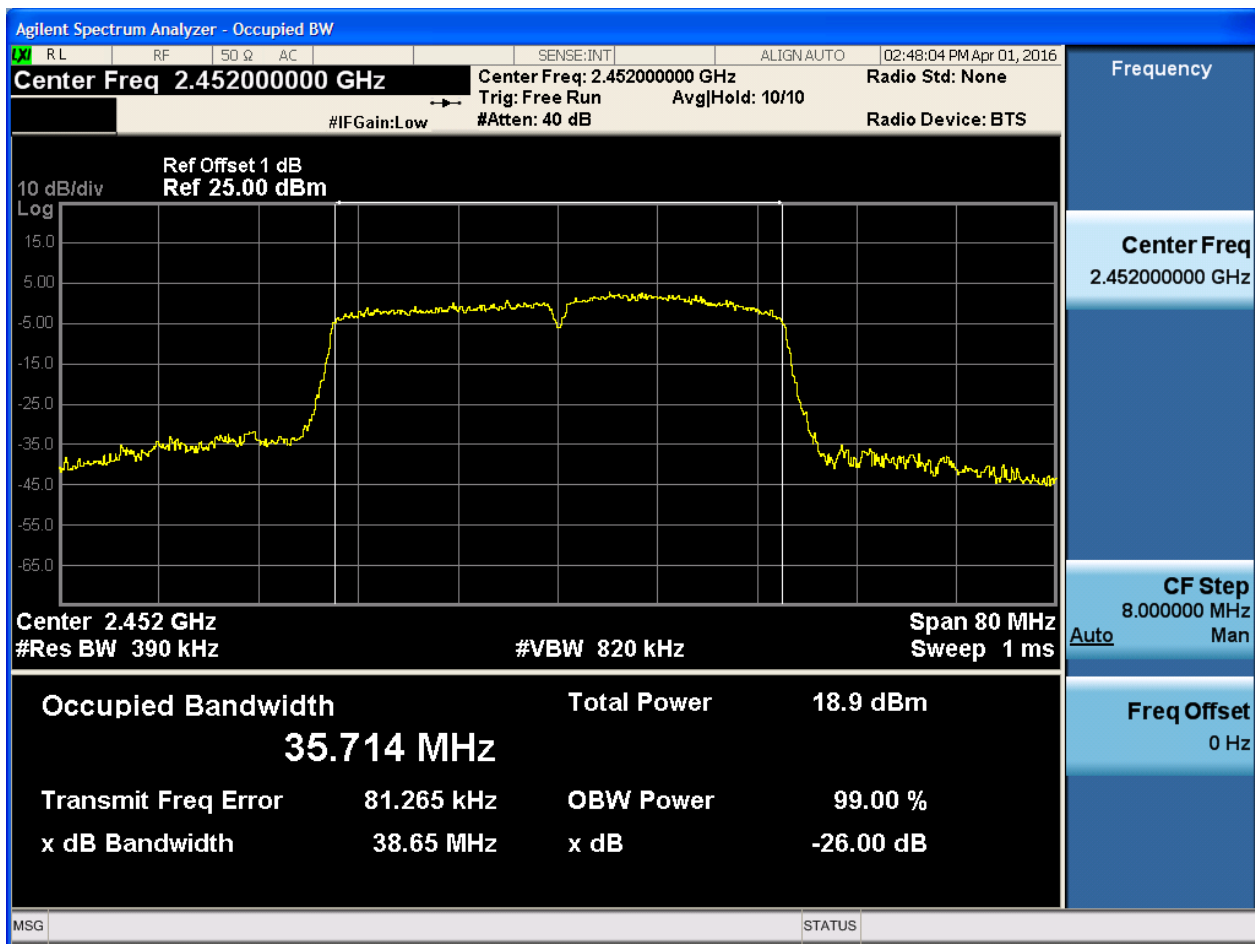


2.11 11N40_M@Ant 1





2.12 11N40_H@Ant 1



Appendix C: Duty cycle

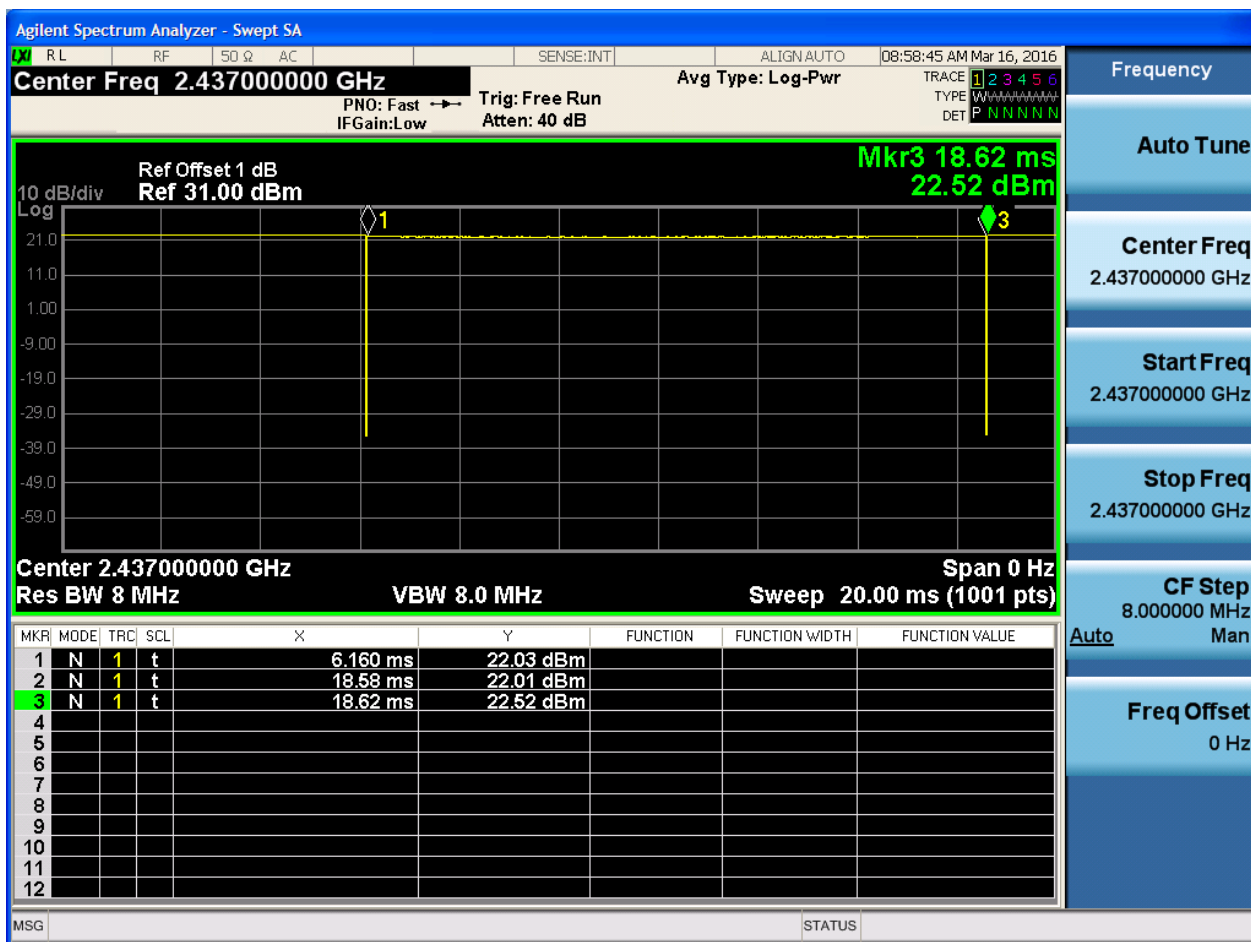
Part I - Test Results

Test Mode	TX Freq. [MHz]	Ant	Duty cycle [%]
11B	CH1,CH6,CH11	Ant 1	99.7
11G	CH1,CH6,CH11	Ant 1	97.9
11N20SISO	CH1,CH6,CH11	Ant 1	97.5
11N40SISO	CH3,CH6,CH9	Ant 1	95.5



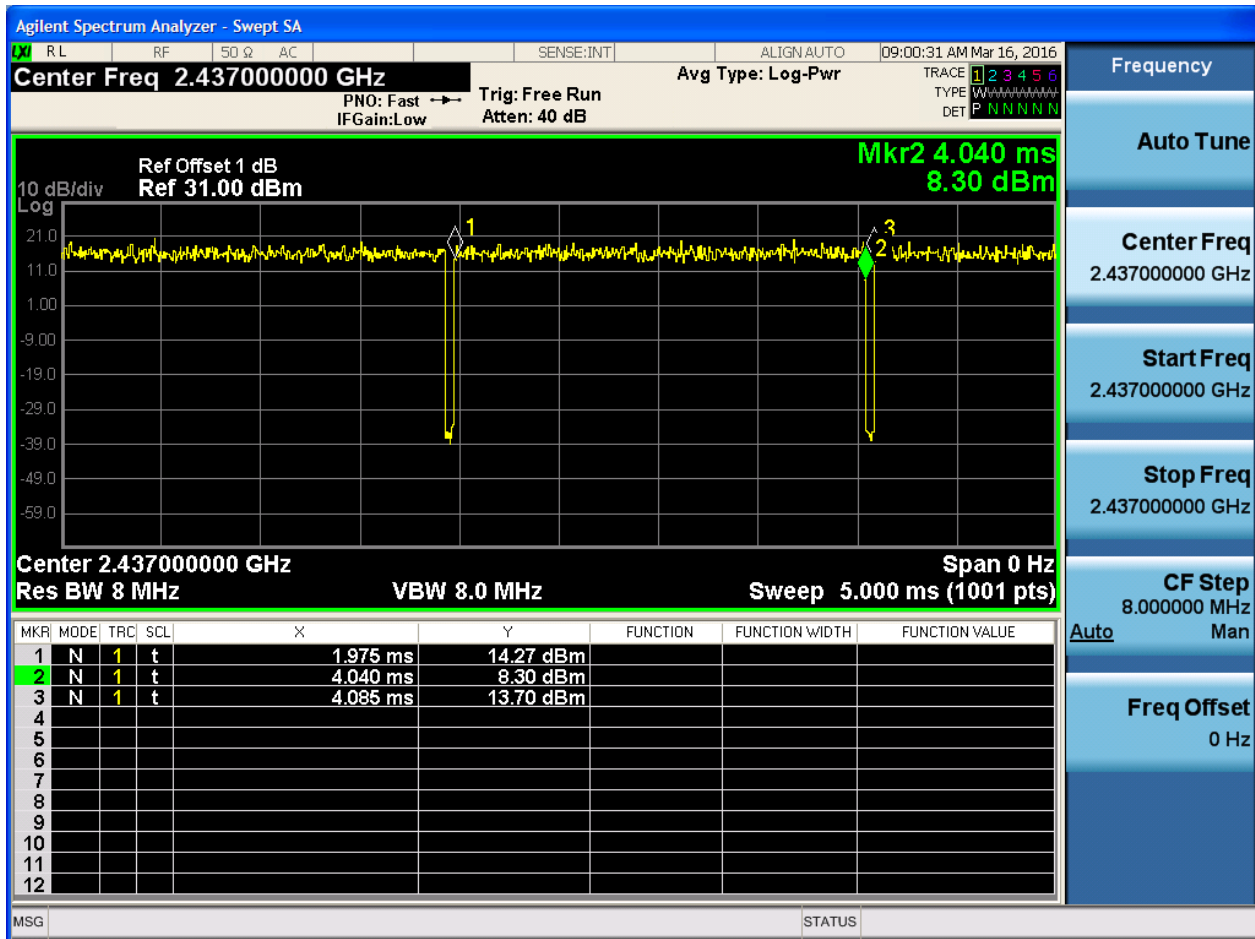
Part II - Test Plots

2.1 11B_M@Ant 1



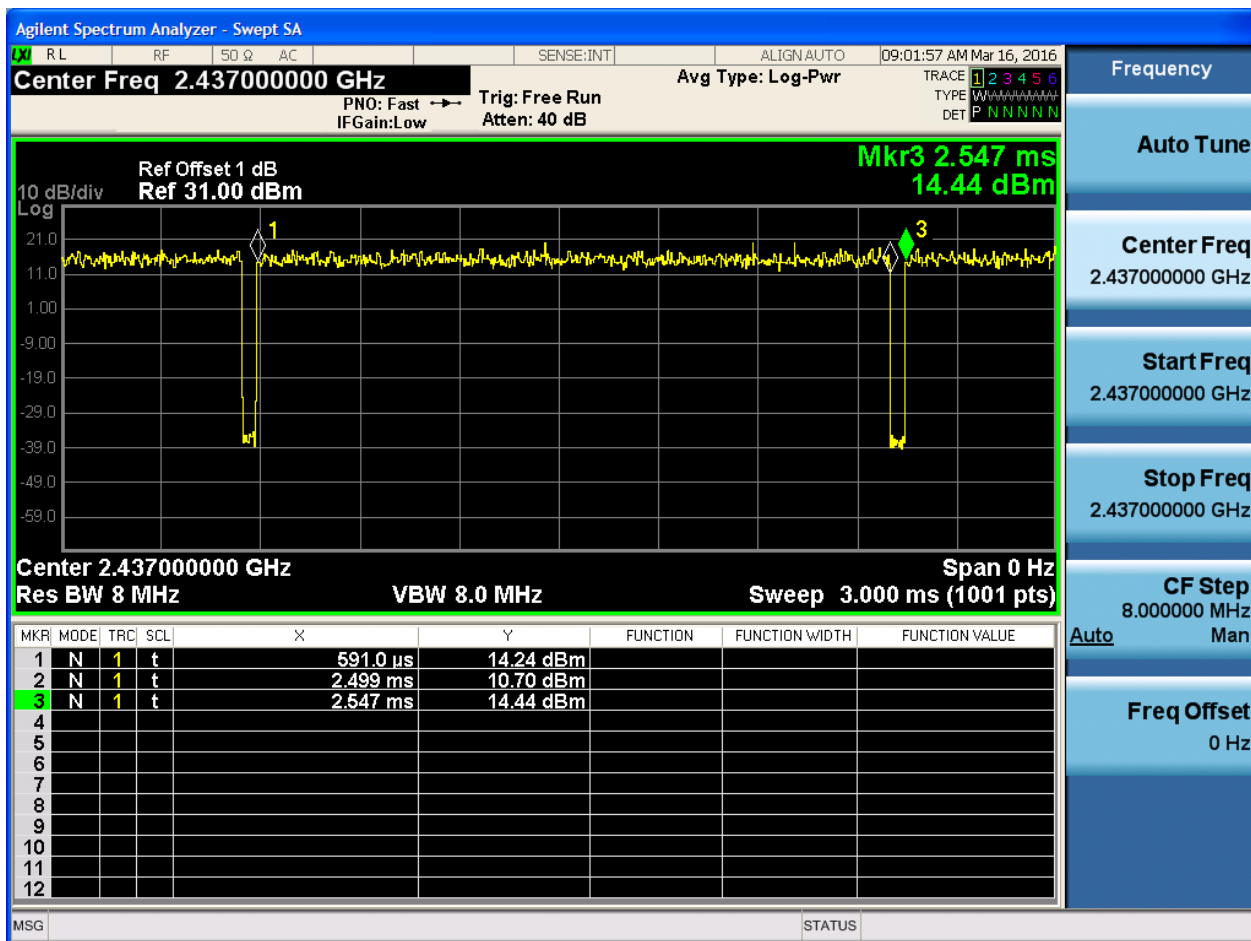


2.2 11G_M@Ant 1



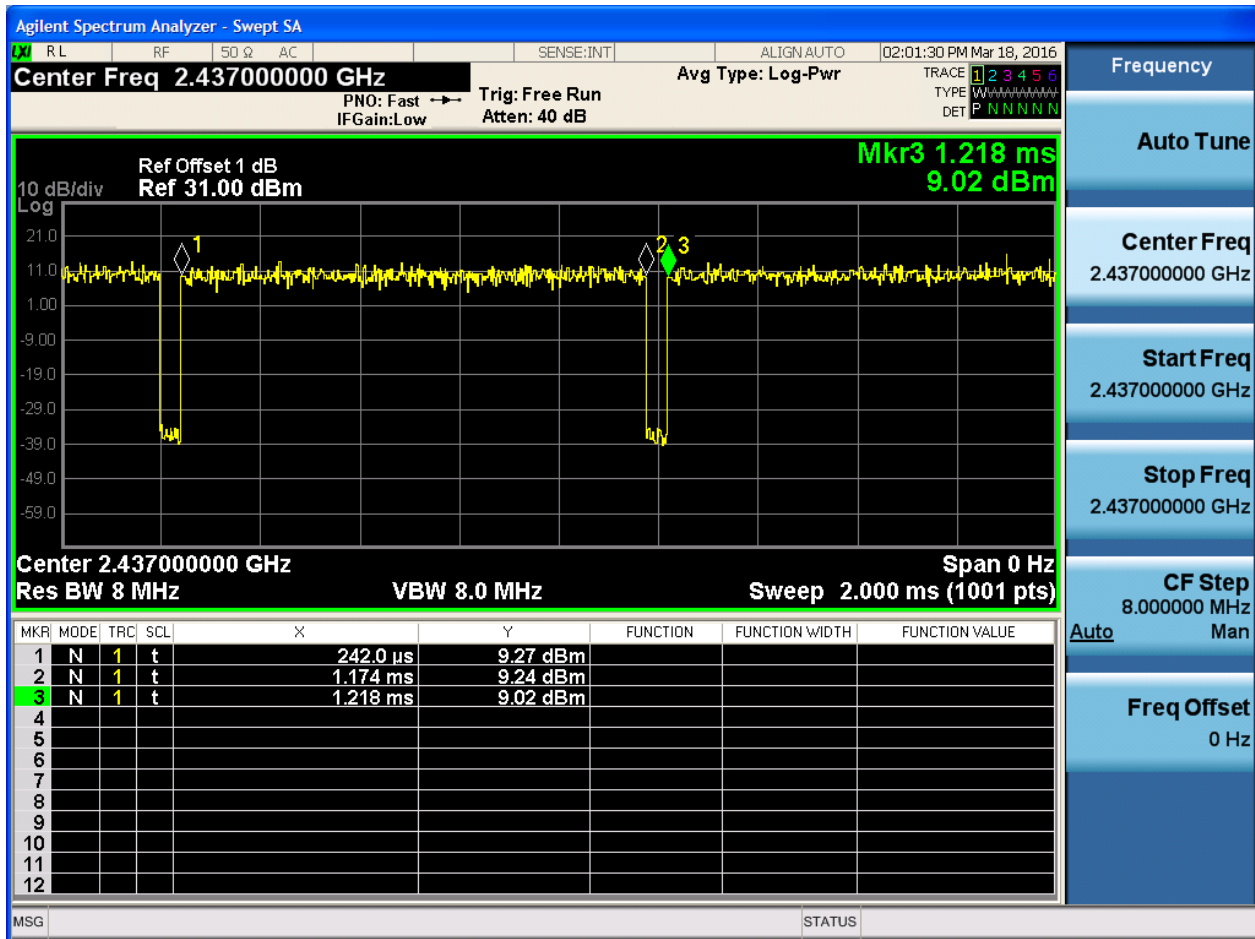


2.3 11N20SISO_M@Ant 1





2.4 11N40SISO_M@Ant 1



Appendix D: Maximum Conducted Average Output Power

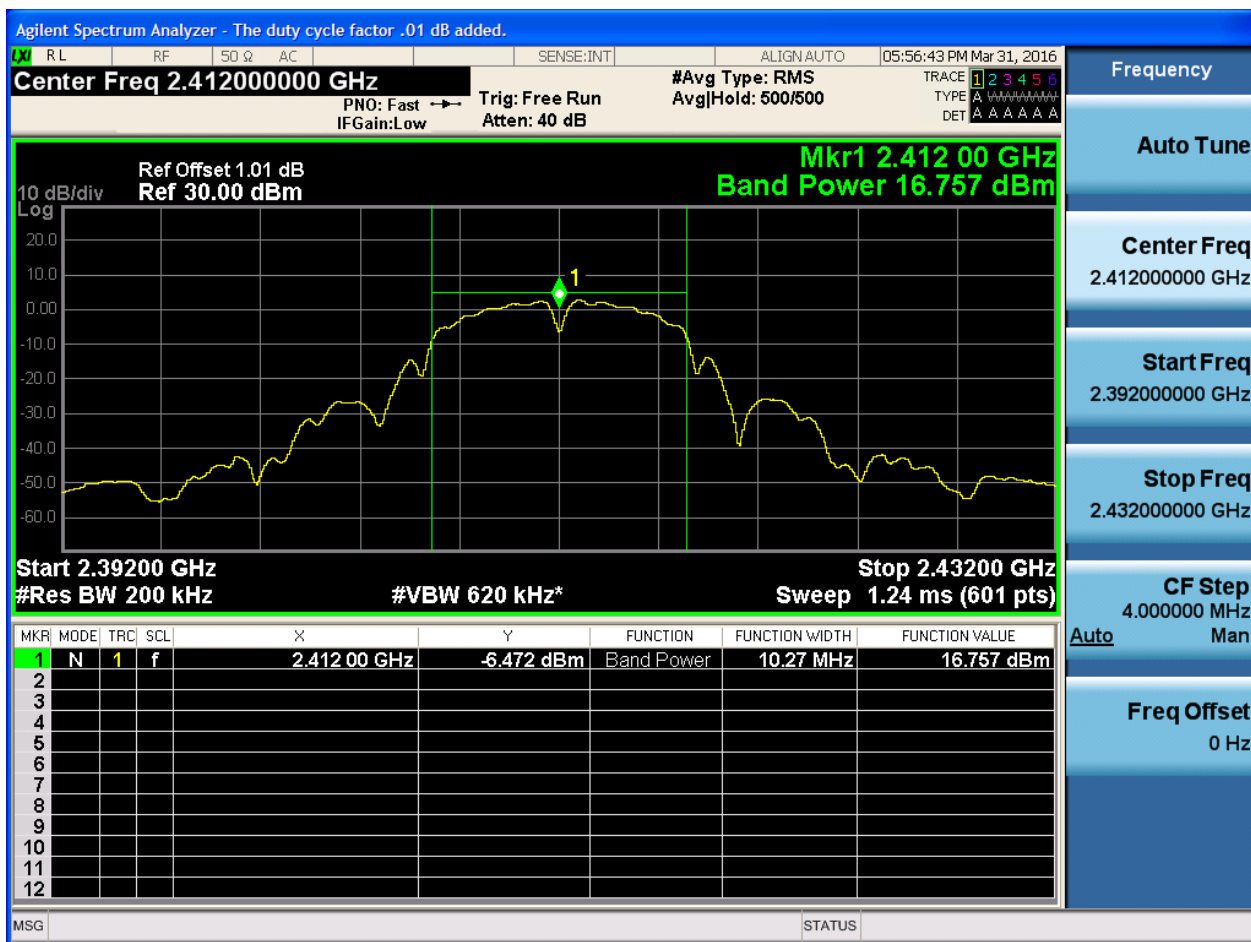
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Power[dBm]	Verdict
11B	L	2412	Ant 1	16.76	pass
11B	M	2437	Ant 1	17.55	pass
11B	H	2462	Ant 1	17.33	pass
11G	L	2412	Ant 1	11.45	pass
11G	M	2437	Ant 1	12.31	pass
11G	H	2462	Ant 1	11.26	pass
11N20	L	2412	Ant 1	10.04	pass
11N20	M	2437	Ant 1	10.88	pass
11N20	H	2462	Ant 1	9.94	pass
11N40	L	2422	Ant 1	9.69	pass
11N40	M	2437	Ant 1	9.17	pass
11N40	H	2452	Ant 1	11.65	pass



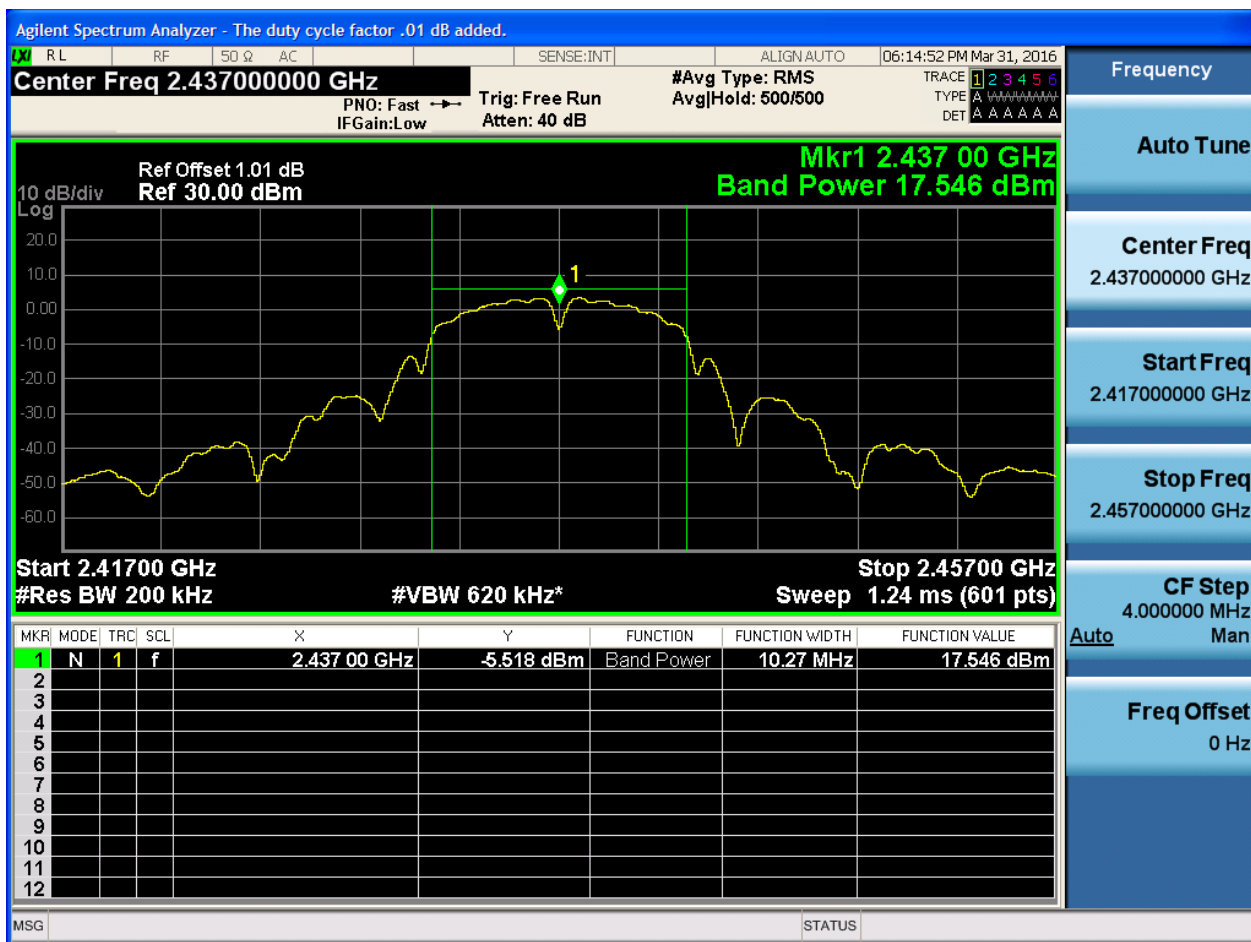
Part II - Test Plots

2.1 11B_L@Ant 1





2.2 11B_M@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .01 dB added.

☒ R L RF 50 Ω AC SENSE:INT ALIGN:AUTO 06:43:34 PM Mar 31, 2016

Center Freq 2.46200000 GHz #Avg Type: RMS TRAC 1 2 3 4 5 6
 PNO: Fast → Trig: Free Run Avg|Hold: 500/500 TYPE A ~~~~~
 IFGain:Low Atten: 40 dB DET A A A A A A

Ref Offset 1.01 dB **Mkr1 2.462 00 GHz**
 Ref 30.00 dBm **Band Power 17.333 dBm**

10 dB/div Log
 20.0
 10.0
 0.00
 -10.0
 -20.0
 -30.0
 -40.0
 -50.0
 -60.0

Start 2.44200 GHz #VBW 620 kHz* **Stop 2.48200 GHz**
#Res BW 200 kHz **Sweep 1.24 ms (601 pts)**

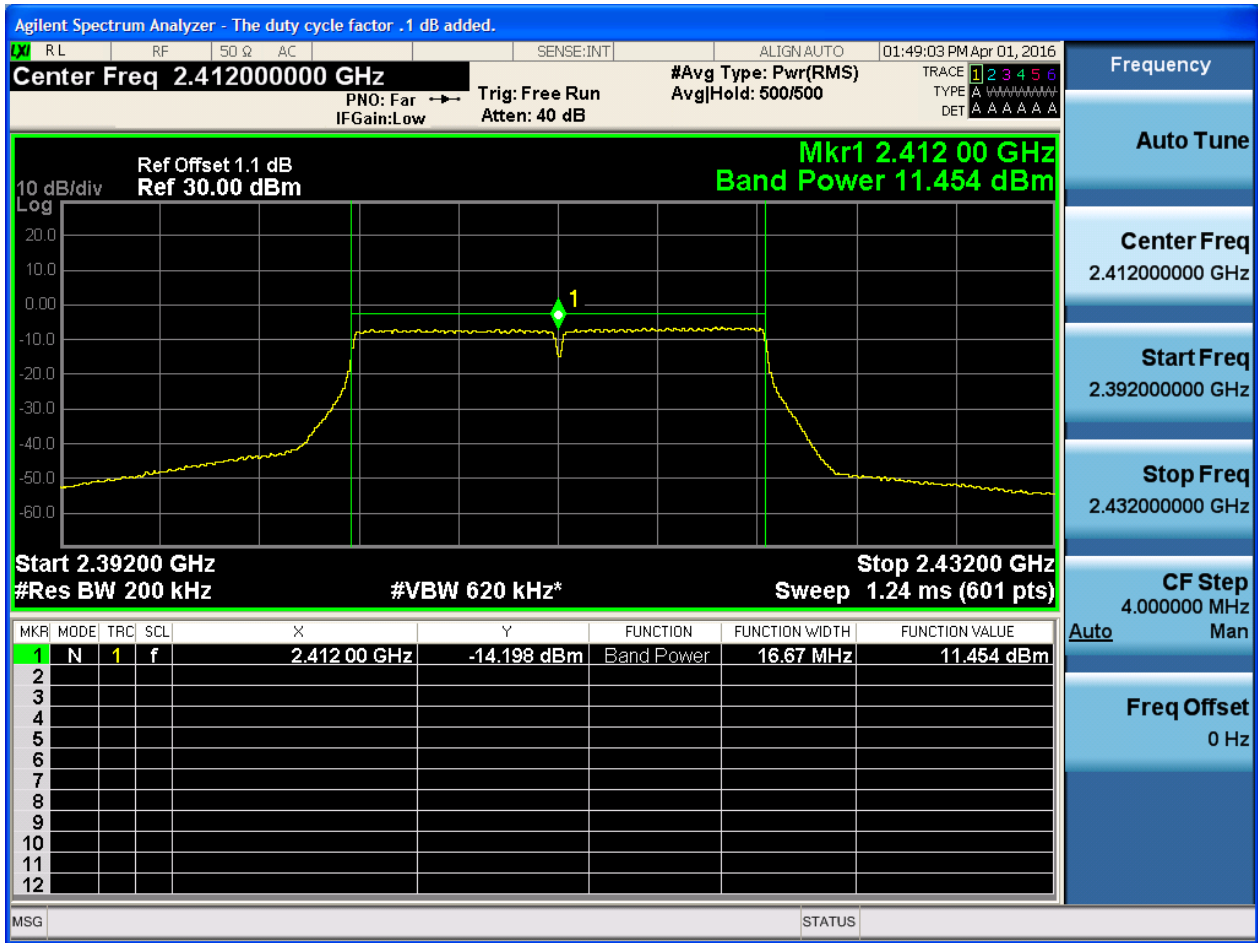
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.462 00 GHz	-5.680 dBm	Band Power	10.40 MHz	17.333 dBm
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

MSG STATUS

Frequency
 Auto Tune
 Center Freq
 2.46200000 GHz
 Start Freq
 2.44200000 GHz
 Stop Freq
 2.48200000 GHz
 CF Step
 4.000000 MHz
 Man
 Auto
 Freq Offset
 0 Hz

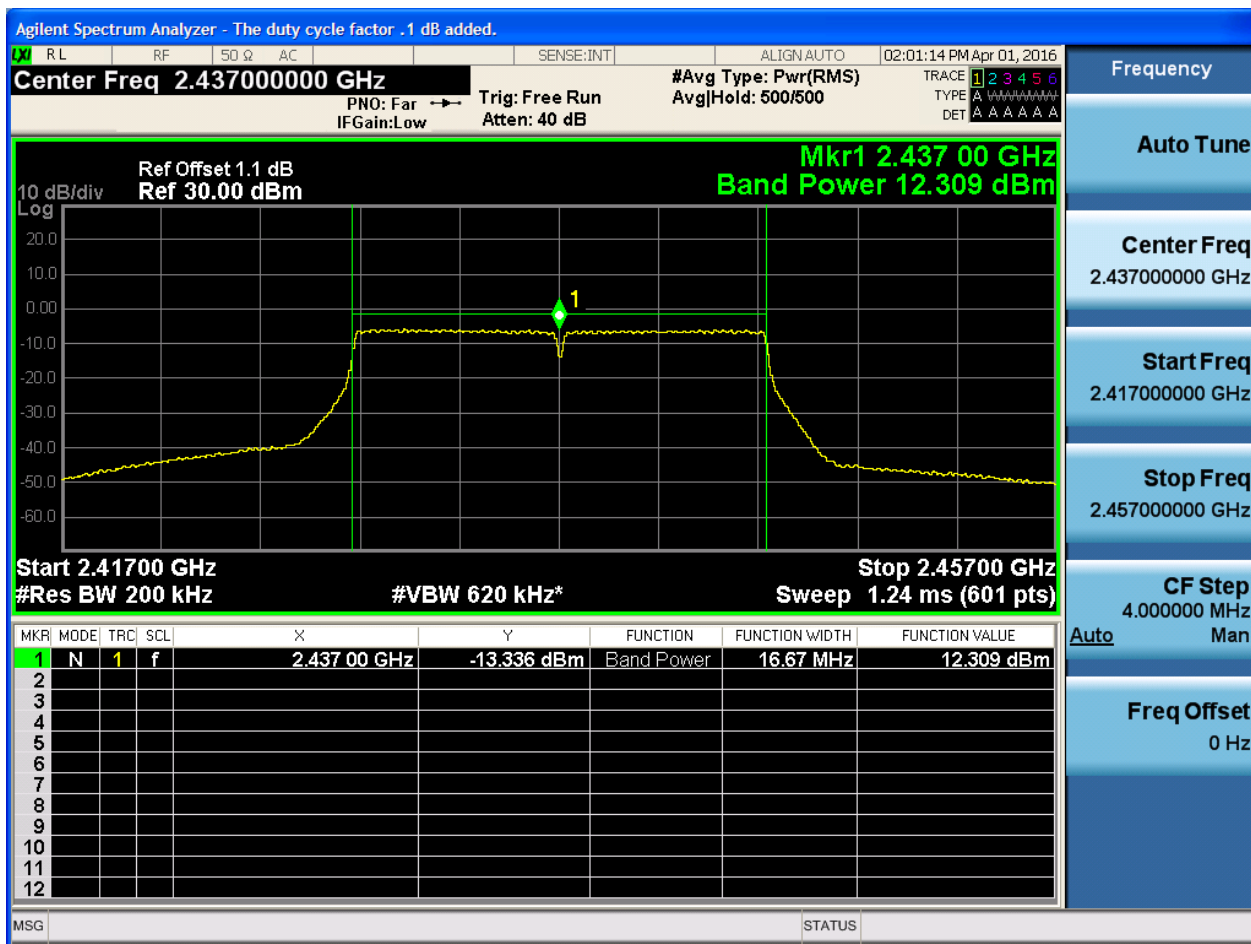


2.4 11G_L@Ant 1



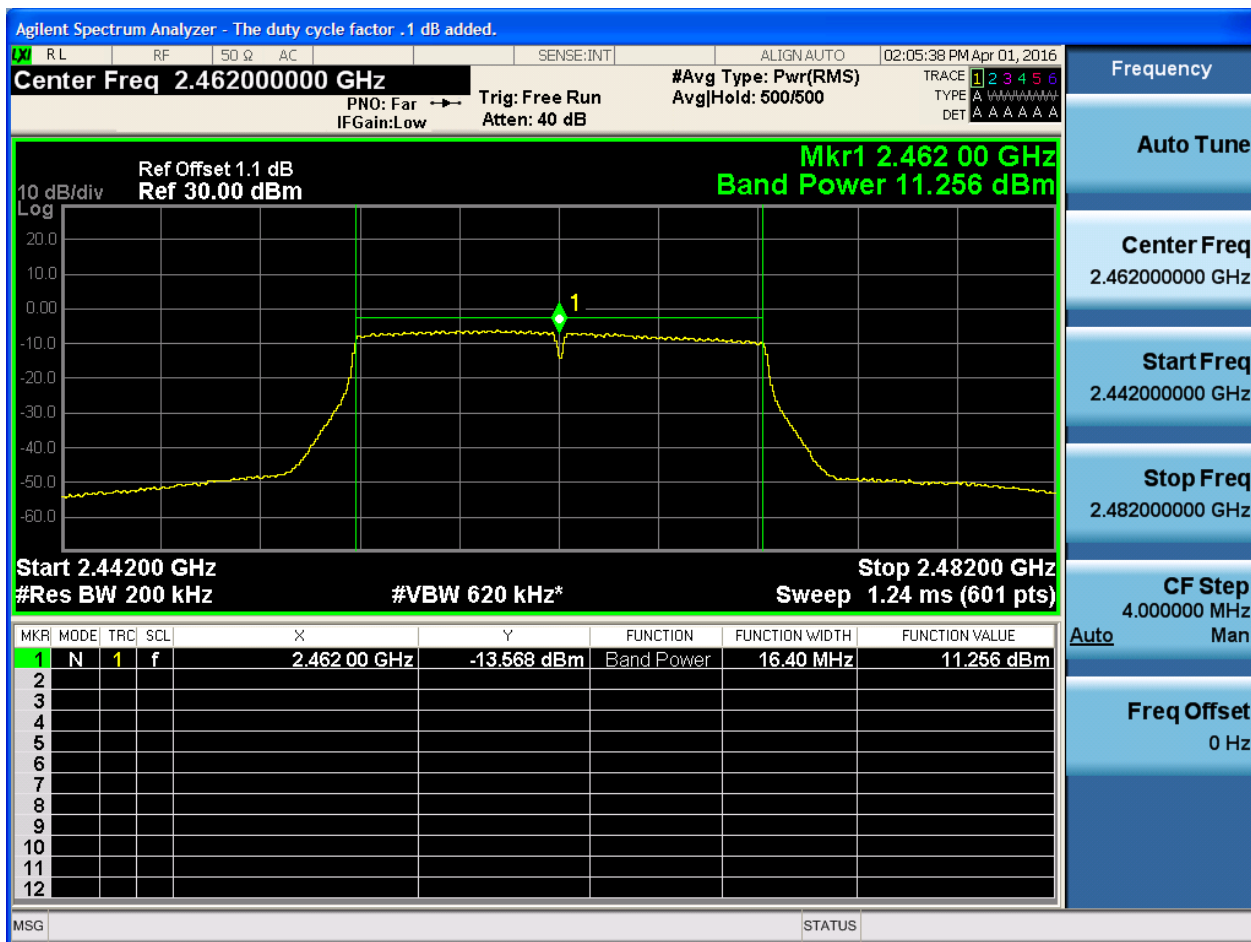


2.5 11G_M@Ant 1



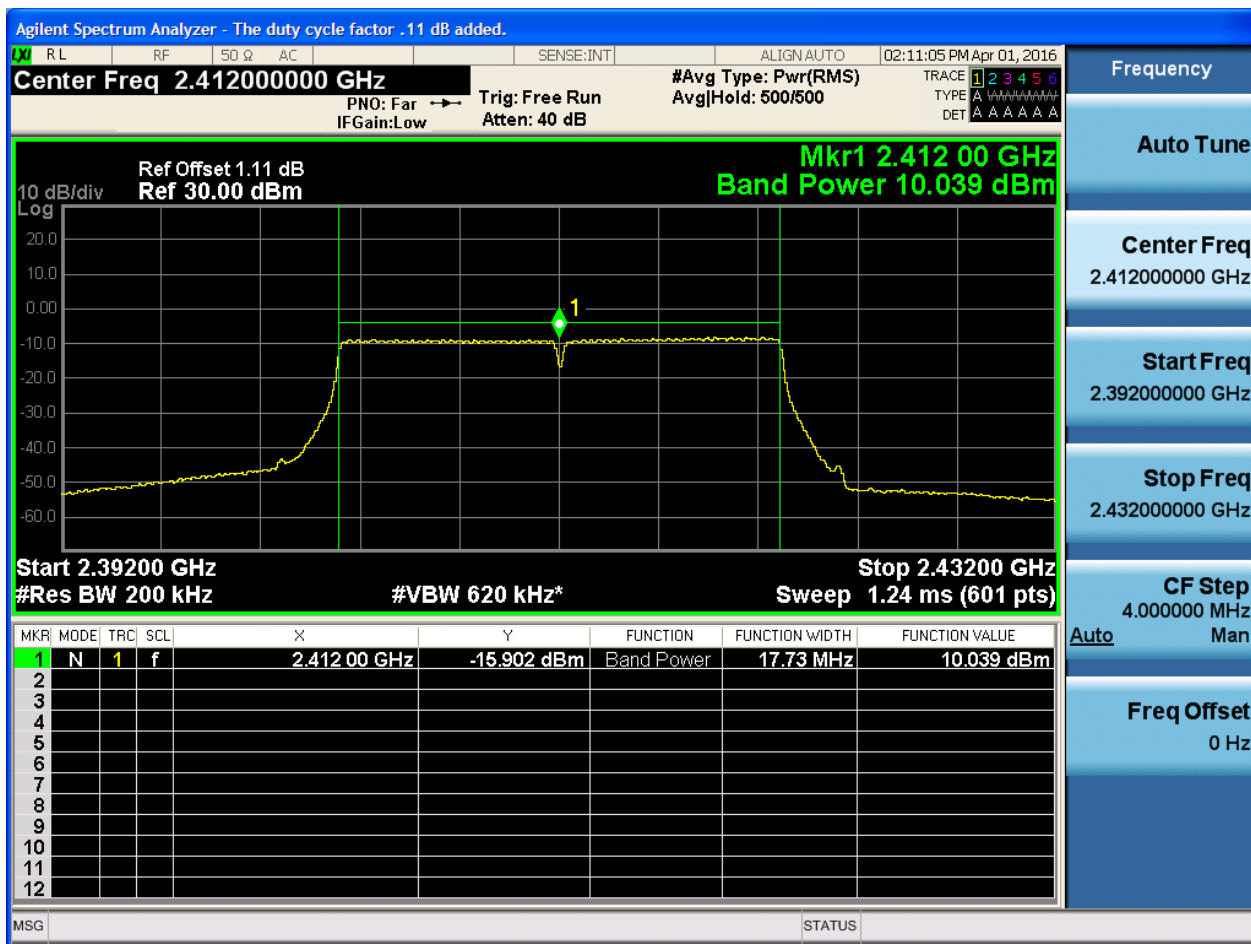


2.6 11G_H@Ant 1



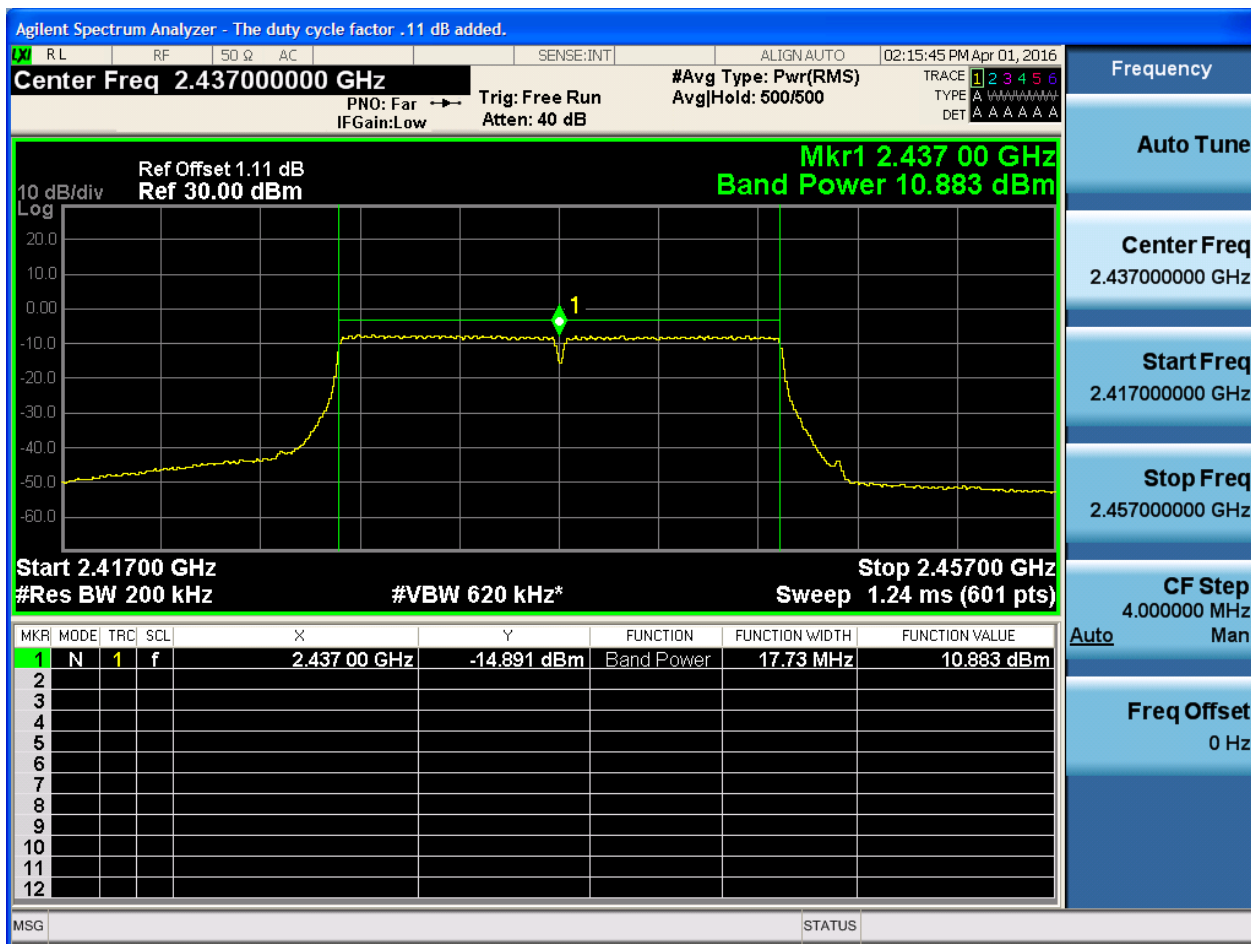


2.7 11N20_L@Ant 1



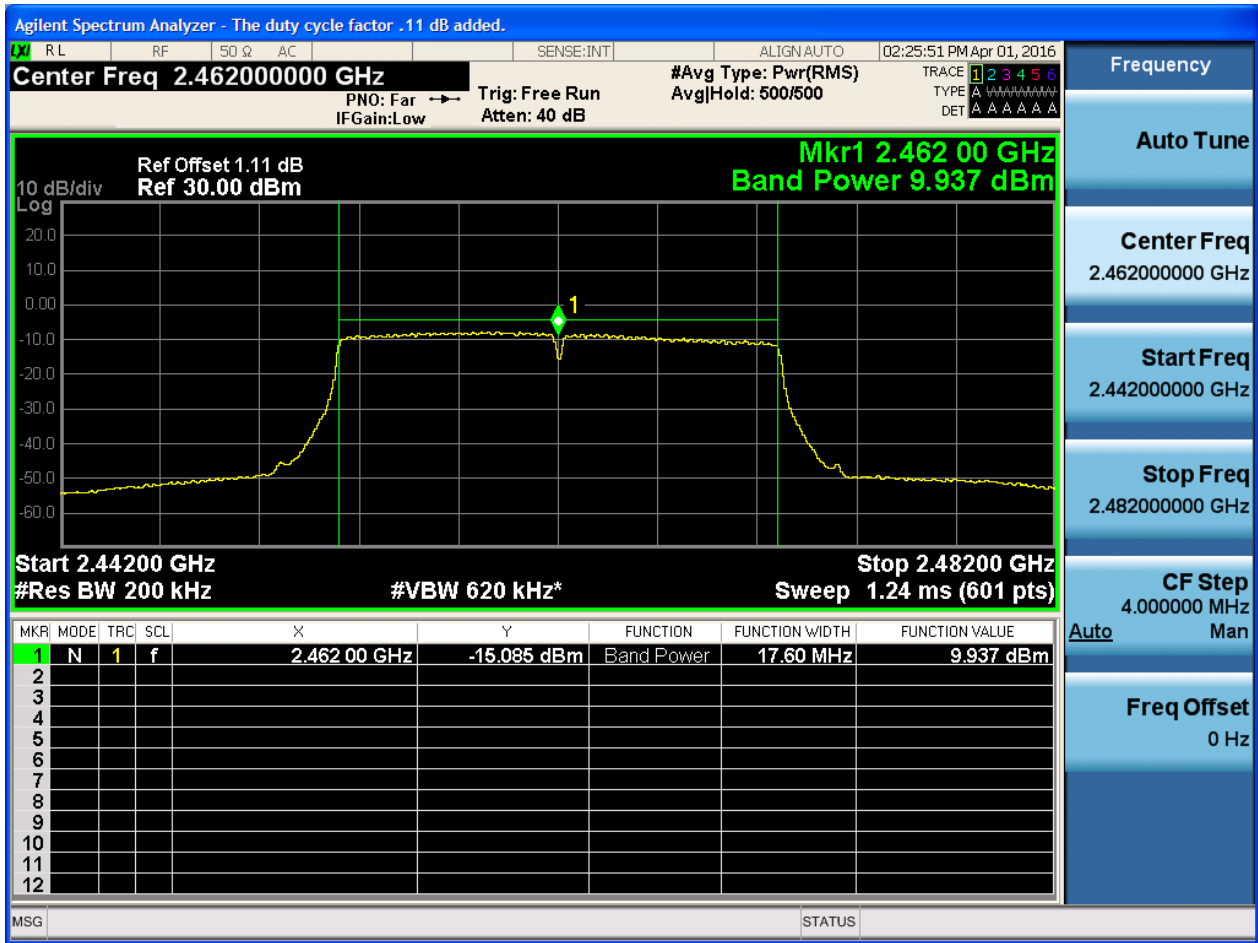


2.8 11N20_M@Ant 1





2.9 11N20_H@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .2 dB added.

Center Freq 2.42200000 GHz

#Avg Type: Pwr(RMS) AvgHold: 500/500

TRAC 1 2 3 4 5 6

TYPE A W W W W W W W W

DET A A A A A A

PNO: Fast → Trg: Free Run

IFGain:Low Atten: 40 dB

Ref Offset 1.2 dB

Ref 30.00 dBm

Mkr1 2.422 00 GHz

Band Power 9.690 dBm

Start 2.38200 GHz

#Res BW 390 kHz

#VBW 1.2 MHz*

Stop 2.46200 GHz

Sweep 1.00 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.422 00 GHz	-19.096 dBm	Band Power	36.00 MHz	9.690 dBm
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Frequency

Auto Tune

Center Freq
2.422000000 GHz

Start Freq
2.382000000 GHz

Stop Freq
2.462000000 GHz

CF Step
8.000000 MHz

Man

Freq Offset
0 Hz

MSG

STATUS



Agilent Spectrum Analyzer - The duty cycle factor .2 dB added.

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 02:40:15 PM Apr 01, 2016

Center Freq 2.43700000 GHz #Avg Type: Pwr(RMS) AvgHold: 500/500

PNO: Fast → 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 1.2 dB
Ref 30.00 dBm

Mkr1 2.437 00 GHz
Band Power 9.174 dBm

10 dB/div
Log

Start 2.39700 GHz
#Res BW 390 kHz
#VBW 1.2 MHz*
Stop 2.47700 GHz
Sweep 1.00 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.437 00 GHz	-20.740 dBm	Band Power	36.27 MHz	9.174 dBm
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

MSG STATUS

Frequency
Auto Tune
Center Freq 2.43700000 GHz
Start Freq 2.39700000 GHz
Stop Freq 2.47700000 GHz
CF Step 8.000000 MHz Man
Freq Offset 0 Hz



Agilent Spectrum Analyzer - The duty cycle factor .2 dB added.

Center Freq 2.45200000 GHz #Avg Type: Pwr(RMS) Avg|Hold: 500/500

PNO: Fast Trig: Free Run IFGain: Low Atten: 40 dB

Ref Offset 1.2 dB Ref 30.00 dBm

Mkr1 2.452 00 GHz Band Power 11.654 dBm

Start 2.41200 GHz Stop 2.49200 GHz

#Res BW 390 kHz #VBW 1.2 MHz* Sweep 1.00 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.452 00 GHz	-17.473 dBm	Band Power	35.73 MHz	11.654 dBm
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Frequency

Auto Tune

Center Freq 2.45200000 GHz

Start Freq 2.41200000 GHz

Stop Freq 2.49200000 GHz

CF Step 8.000000 MHz Man

Freq Offset 0 Hz

Auto

STATUS

Appendix E: Maximum Power Spectral Density Level

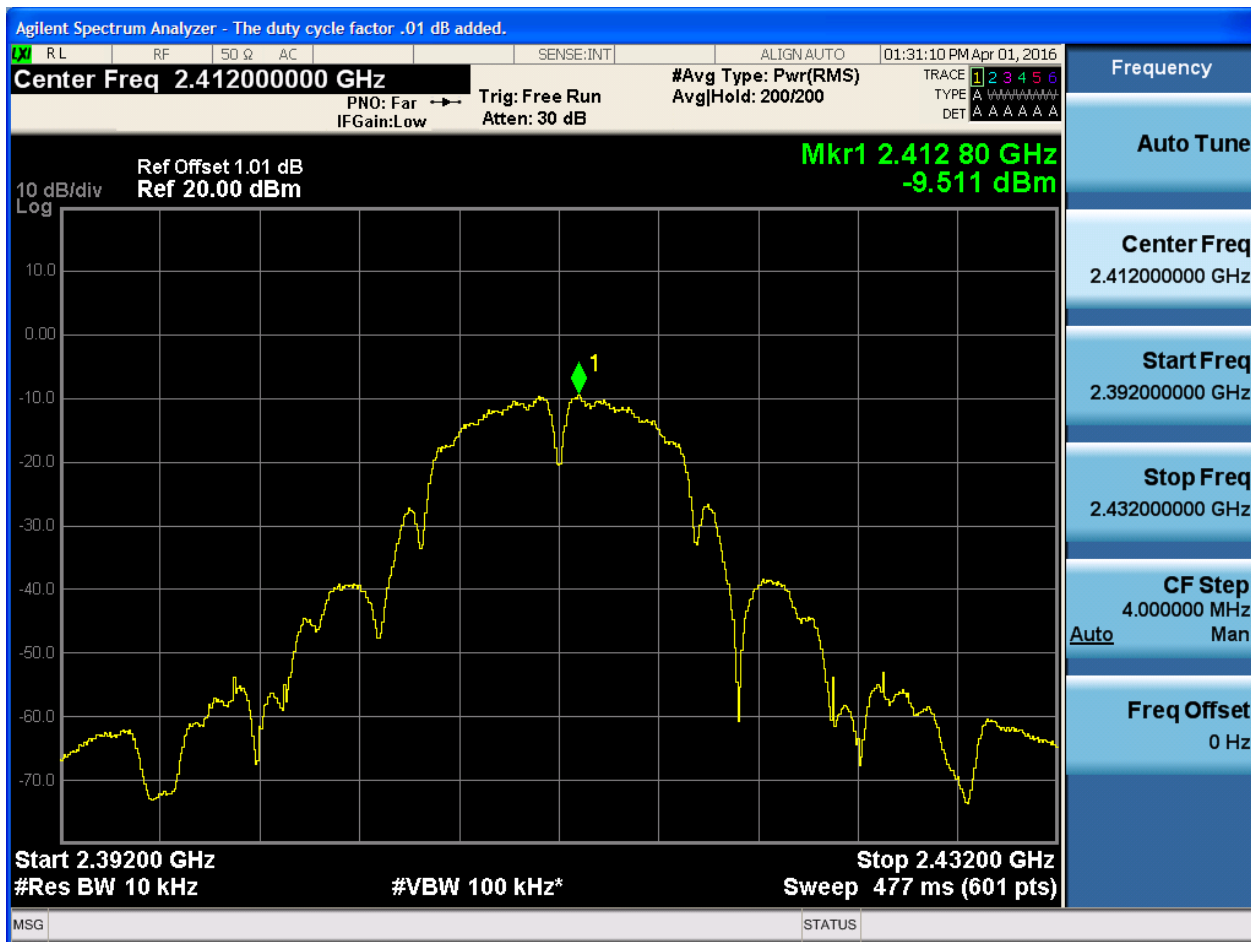
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11B	L	2412	Ant 1	-9.51	pass
11B	M	2437	Ant 1	-8.56	pass
11B	H	2462	Ant 1	-9.34	pass
11G	L	2412	Ant 1	-18.39	pass
11G	M	2437	Ant 1	-17.84	pass
11G	H	2462	Ant 1	-18.07	pass
11N20	L	2412	Ant 1	-20.16	pass
11N20	M	2437	Ant 1	-19.31	pass
11N20	H	2462	Ant 1	-19.61	pass
11N40	L	2422	Ant 1	-23.13	pass
11N40	M	2437	Ant 1	-24.29	pass
11N40	H	2452	Ant 1	-20.42	pass



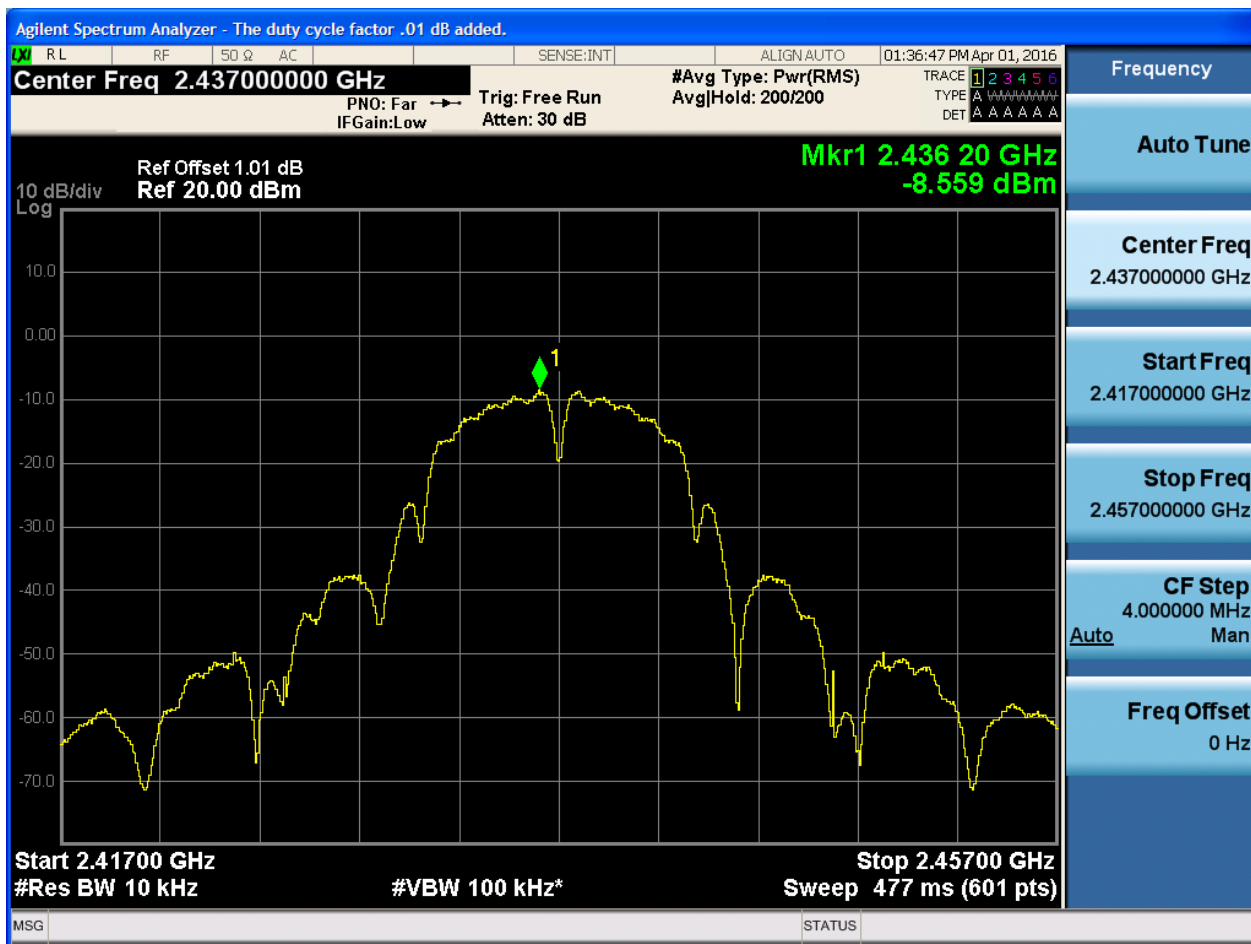
Part II - Test Plots

2.1 11B_L@Ant 1





2.2 11B_M@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .01 dB added.

Center Freq 2.46200000 GHz

Ref Offset 1.01 dB
Ref 20.00 dBm

10 dB/div
Log

Start 2.44200 GHz
#Res BW 10 kHz

Stop 2.48200 GHz
Sweep 477 ms (601 pts)

#VBW 100 kHz*

Mkr1 2.461 20 GHz
-9.337 dBm

Auto Tune

Center Freq
2.46200000 GHz

Start Freq
2.44200000 GHz

Stop Freq
2.48200000 GHz

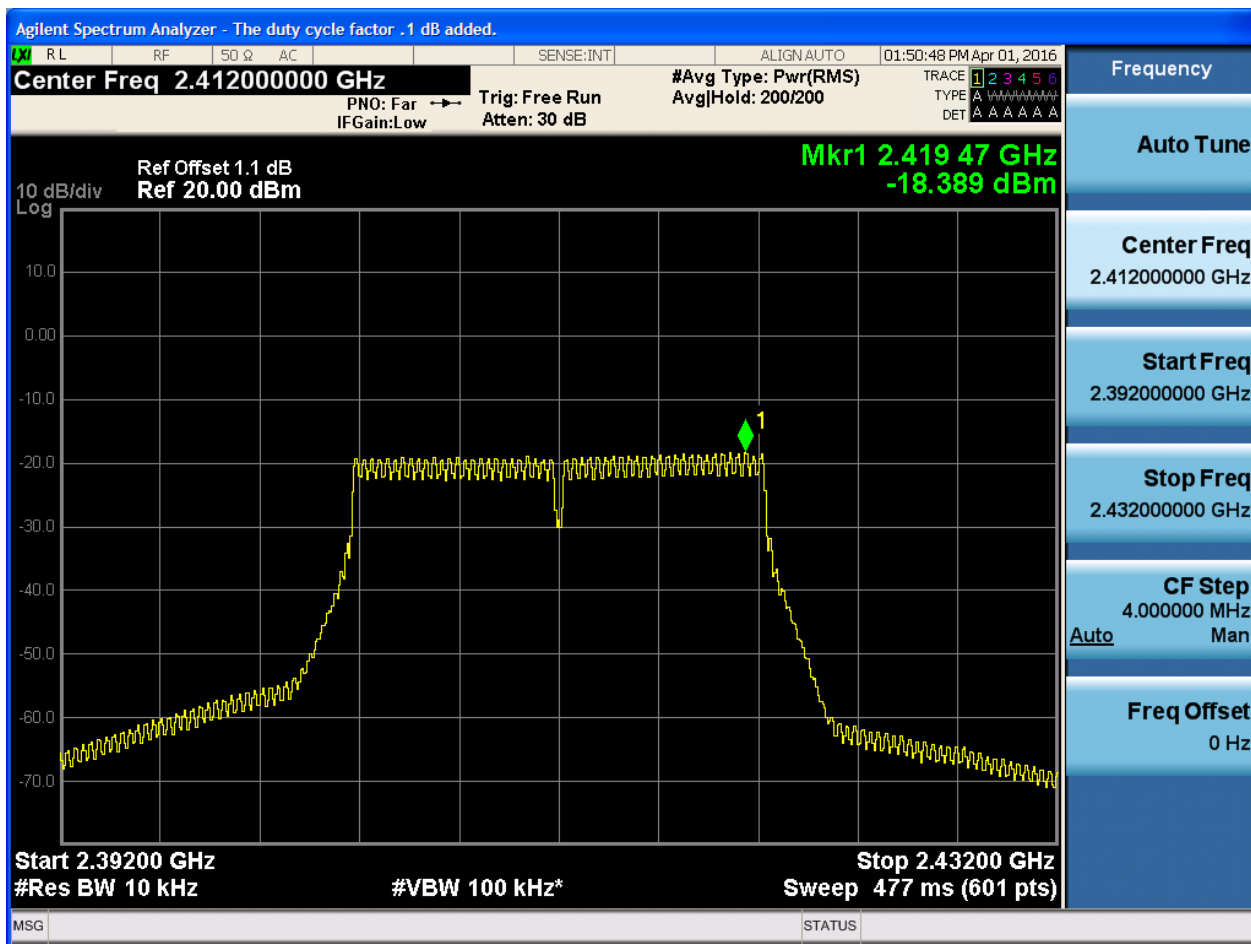
CF Step
4.000000 MHz
Man

Freq Offset
0 Hz

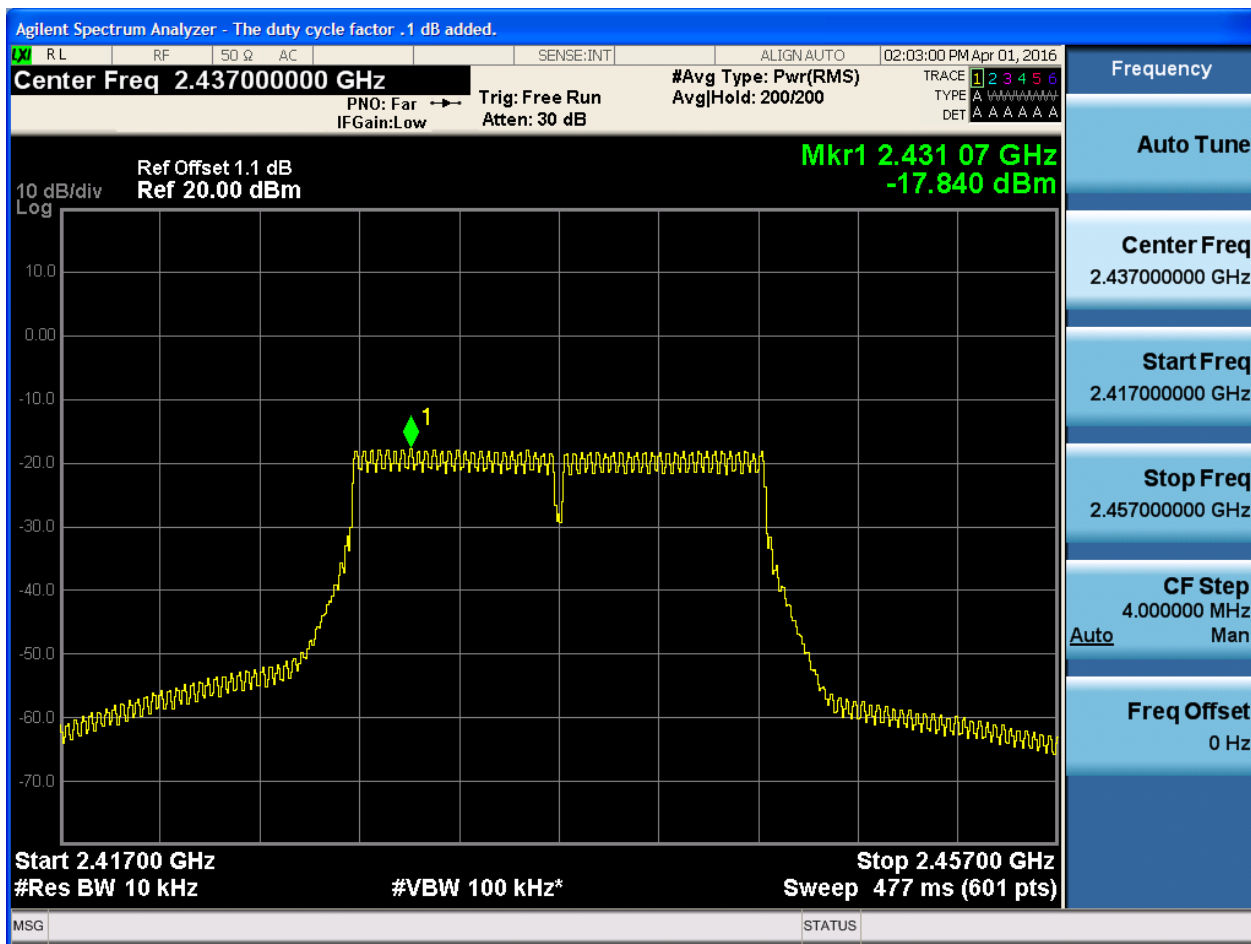
The image shows a screenshot of an Agilent Spectrum Analyzer. The main display is a plot of power spectral density (PSD) in dBm versus frequency in GHz. The y-axis is labeled '10 dB/div Log' and ranges from -70.0 to 10.0 dBm. The x-axis ranges from 2.44200 GHz to 2.48200 GHz. A yellow trace shows the signal spectrum, with a prominent peak at 2.461 GHz. A green diamond marker labeled '1' is placed on this peak. The peak's power is indicated as -9.337 dBm. The display also shows various settings: Center Freq 2.46200000 GHz, Ref Offset 1.01 dB, Ref 20.00 dBm, #Res BW 10 kHz, #VBW 100 kHz*, Sweep 477 ms (601 pts), and Stop 2.48200 GHz. On the right side, there is a vertical panel with buttons for 'Auto Tune', 'Center Freq', 'Start Freq', 'Stop Freq', 'CF Step', and 'Freq Offset'. The 'Auto Tune' button is highlighted. The top of the screen shows the Agilent logo and the text 'The duty cycle factor .01 dB added.'



2.4 11G_L@Ant 1

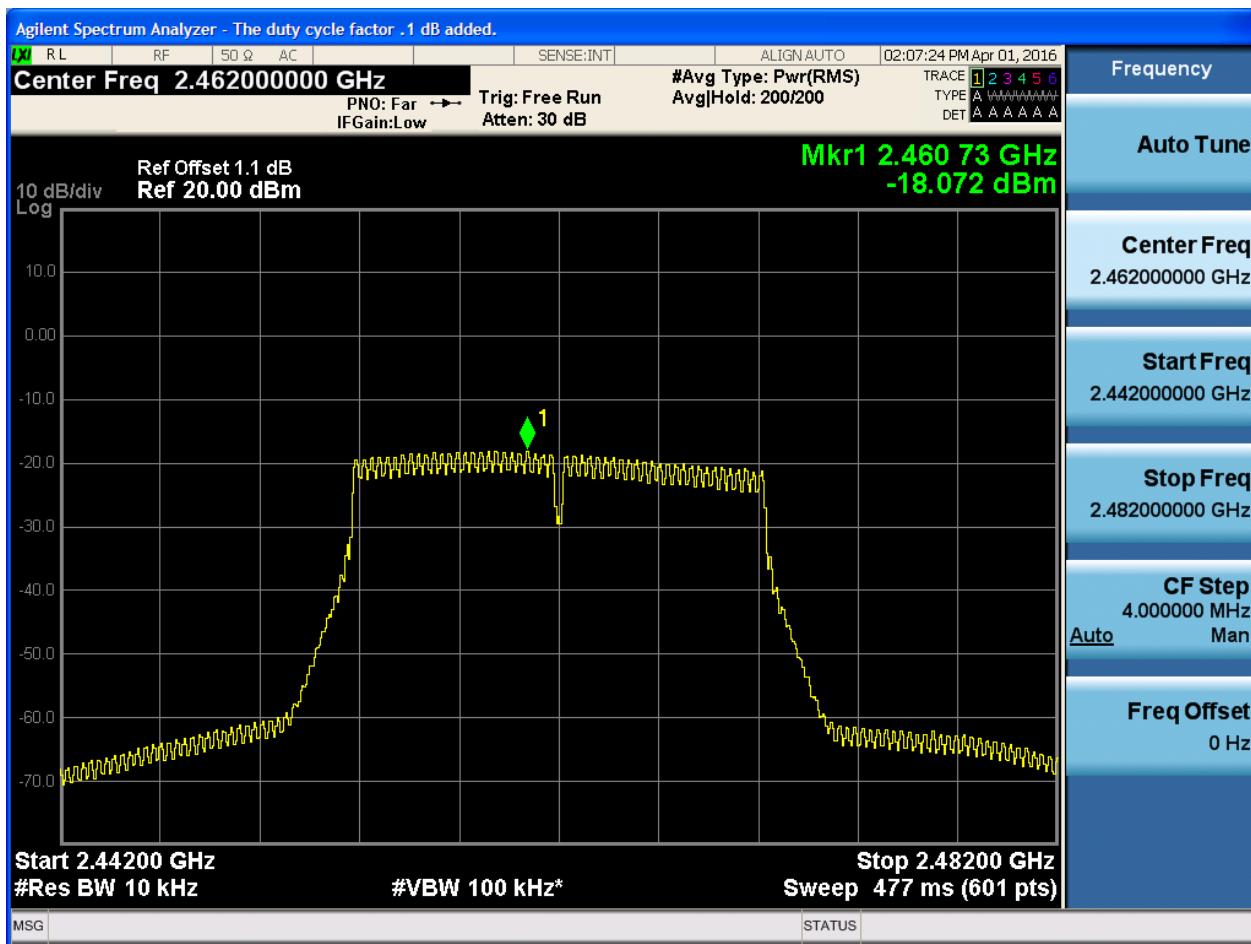


2.5 11G_M@Ant 1





2.6 11G_H@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .11 dB added.

Center Freq 2.41200000 GHz

Ref Offset 1.11 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 2.417 00 GHz
-20.158 dBm

Start 2.39200 GHz
#Res BW 10 kHz

Stop 2.43200 GHz
Sweep 477 ms (601 pts)

#VBW 100 kHz*

Trig: Free Run
Atten: 30 dB

#Avg Type: Pwr(RMS)
Avg|Hold: 200/200

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

Frequency

Auto Tune

Center Freq
2.41200000 GHz

Start Freq
2.392000000 GHz

Stop Freq
2.432000000 GHz

CF Step
4.000000 MHz
Man

Freq Offset
0 Hz

MSG STATUS

The image shows a screenshot of an Agilent Spectrum Analyzer. The main display is a grid plot of the signal spectrum. The horizontal axis represents frequency, with a center frequency of 2.41200000 GHz. The vertical axis represents power in dBm, with a reference level of 20.00 dBm. A signal is visible at 2.41700 GHz with a power level of -20.158 dBm. The signal is marked with a green diamond and the number 1. The plot shows a signal that is relatively flat between 2.392 GHz and 2.432 GHz, with some noise and a slight dip around 2.412 GHz. The signal is flanked by noise floors at approximately -70 dBm. The display includes various settings and parameters, such as the resolution bandwidth (10 kHz), video bandwidth (100 kHz), and sweep time (477 ms). The top of the screen shows the center frequency and other settings. The right side of the screen shows a list of parameters and their values. The bottom of the screen shows the start and stop frequencies, resolution bandwidth, and sweep time.



Agilent Spectrum Analyzer - The duty cycle factor .11 dB added.

Center Freq 2.43700000 GHz

Ref Offset 1.11 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 2.432 00 GHz
-19.314 dBm

Start 2.41700 GHz
#Res BW 10 kHz

Stop 2.45700 GHz
Sweep 477 ms (601 pts)

#VBW 100 kHz*

Trig: Free Run
Atten: 30 dB

PNO: Far
IFGain:Low

#Avg Type: Pwr(RMS)
AvgHold: 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
2.43700000 GHz

Start Freq
2.41700000 GHz

Stop Freq
2.45700000 GHz

CF Step
4.000000 MHz
Man

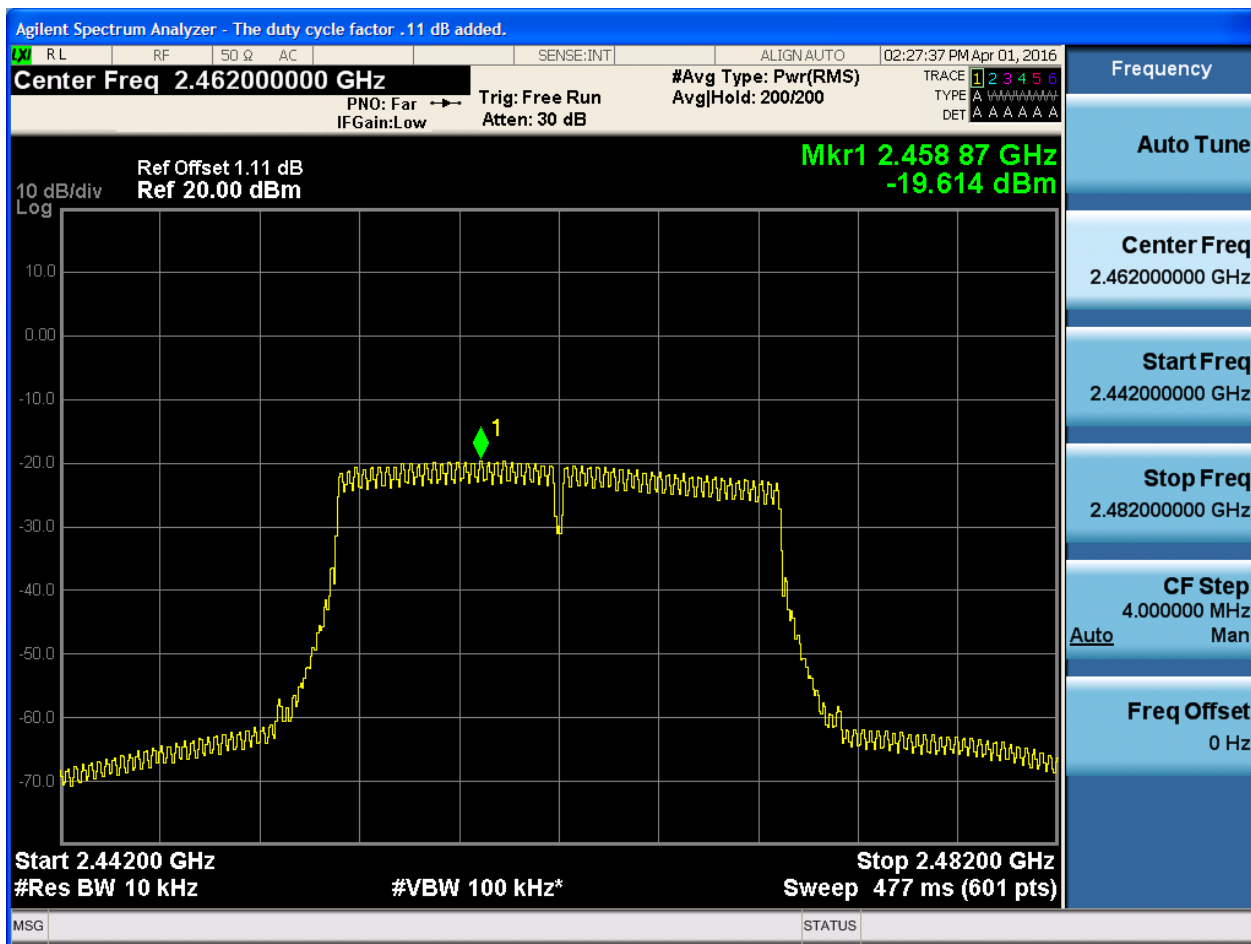
Auto

Freq Offset
0 Hz

The screenshot displays a spectrum analyzer interface. The main plot area shows a signal trace with a prominent peak at 2.432 GHz, marked with a green diamond and labeled '1'. The y-axis represents power in dBm, ranging from -70.0 to 10.0, with a 10 dB/div scale. The x-axis represents frequency in GHz, ranging from 2.41700 to 2.45700. The signal trace is yellow and shows a noisy signal. The background is black with a white grid. The top status bar shows various settings: Center Freq 2.43700000 GHz, Ref Offset 1.11 dB, Ref 20.00 dBm, 10 dB/div, Log, Mkr1 2.432 00 GHz, -19.314 dBm, Start 2.41700 GHz, #Res BW 10 kHz, Stop 2.45700 GHz, Sweep 477 ms (601 pts), #VBW 100 kHz*, Trig: Free Run, Atten: 30 dB, PNO: Far, IFGain:Low, #Avg Type: Pwr(RMS), AvgHold: 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. The right side of the screen shows a blue sidebar with various controls: Frequency, Auto Tune, Center Freq (2.43700000 GHz), Start Freq (2.41700000 GHz), Stop Freq (2.45700000 GHz), CF Step (4.000000 MHz, Man), Auto, Freq Offset (0 Hz).



2.9 11N20_H@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .2 dB added.

Center Freq 2.422000000 GHz

#Avg Type: Pwr(RMS)
Avg|Hold: 200/200

Ref Offset 1.2 dB
Ref 20.00 dBm

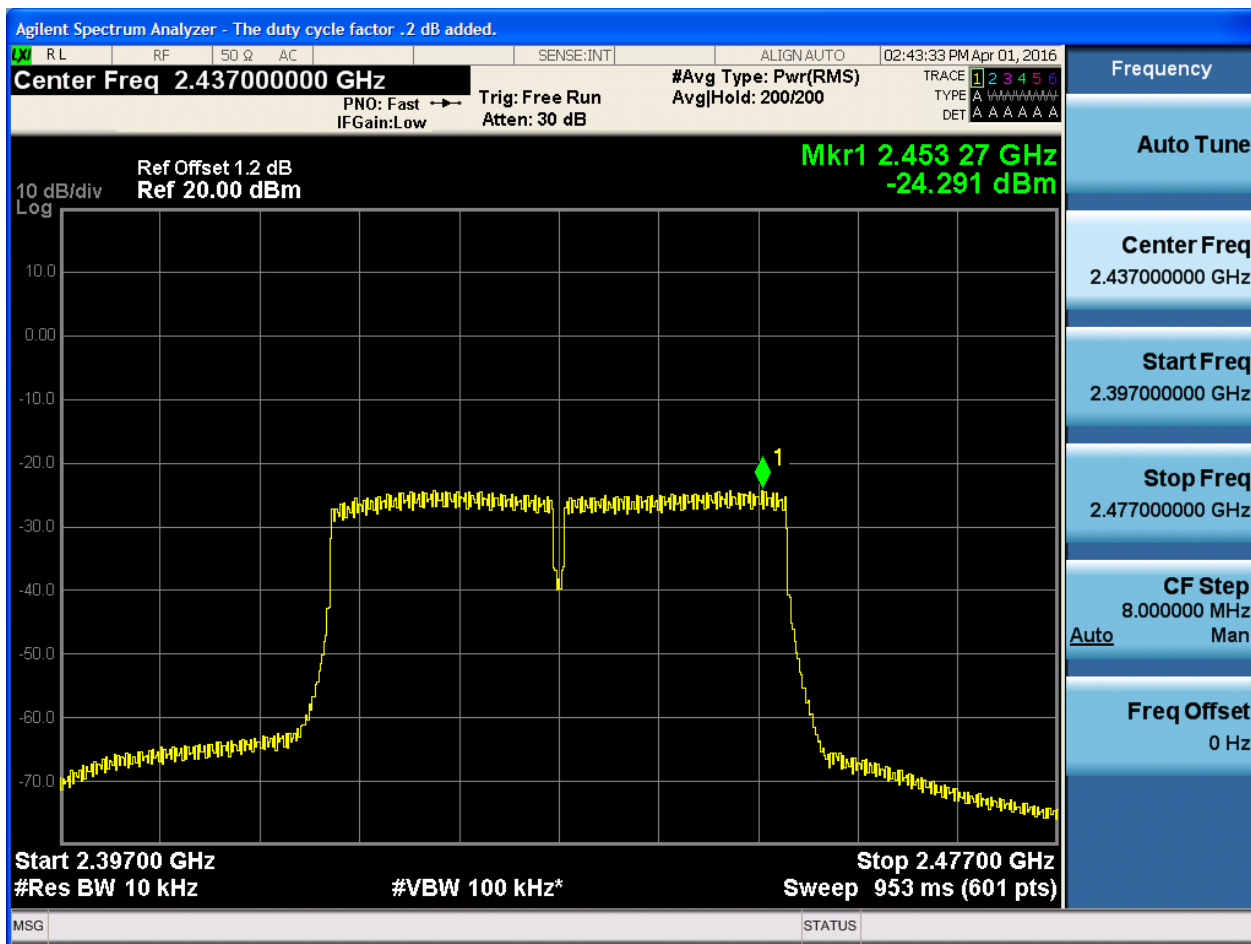
Mkr1 2.425 73 GHz
-23.132 dBm

Start 2.38200 GHz
#Res BW 10 kHz
#VBW 100 kHz*

Stop 2.46200 GHz
Sweep 953 ms (601 pts)

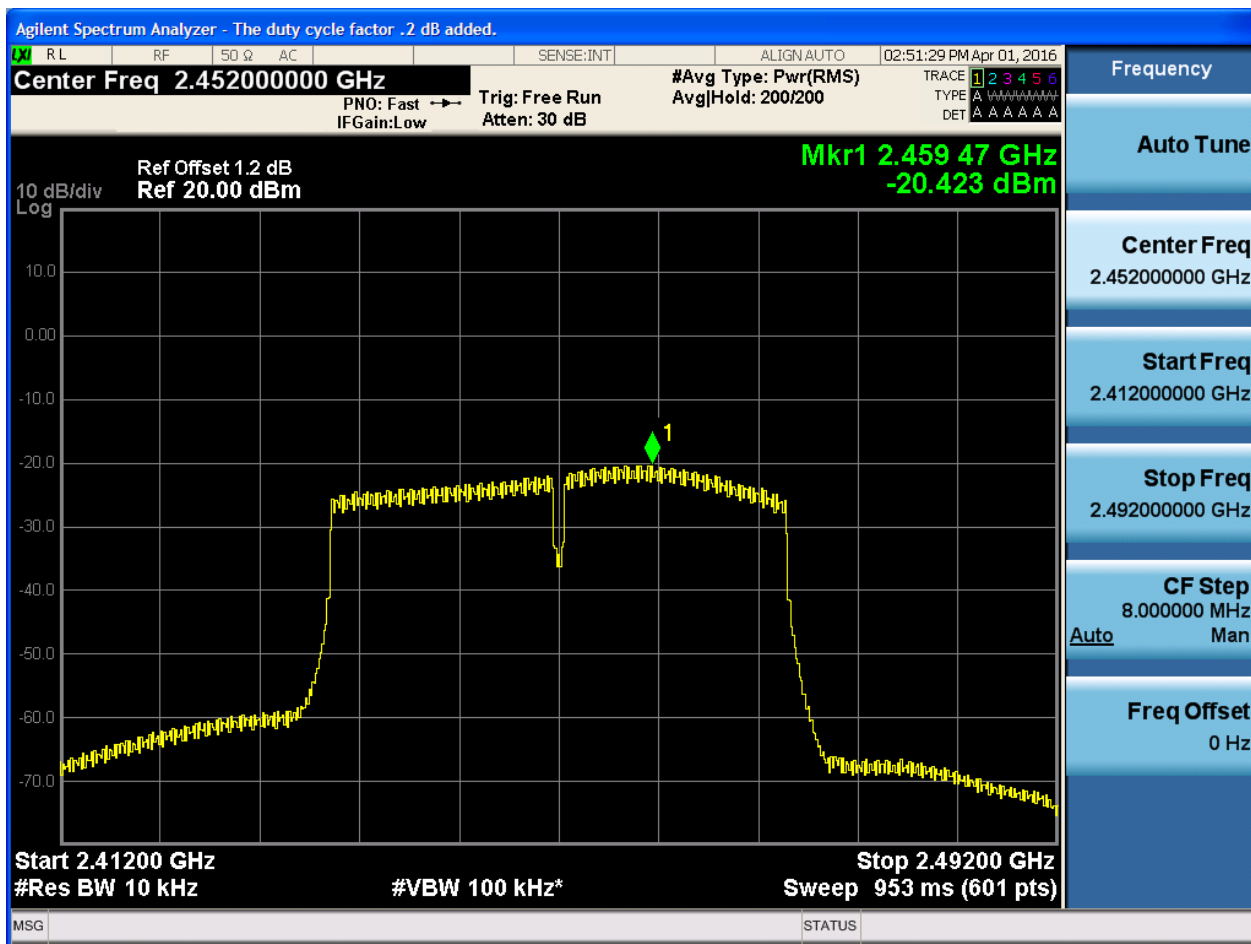


2.11 11N40_M@Ant 1





2.12 11N40_H@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	8.53	-50.05	pass
11B	H	2462	Ant 1	8.86	-44.46	pass
11G	L	2412	Ant 1	0.11	-50.14	pass
11G	H	2462	Ant 1	0.18	-48.24	pass
11N20	L	2412	Ant 1	-1.29	-50.31	pass
11N20	H	2462	Ant 1	-1.08	-46.53	pass
11N40	L	2422	Ant 1	-4.74	-49.82	pass
11N40	H	2452	Ant 1	-1.19	-45.05	pass



Part II - Test Plots

2.1 11B_L@Ant 1



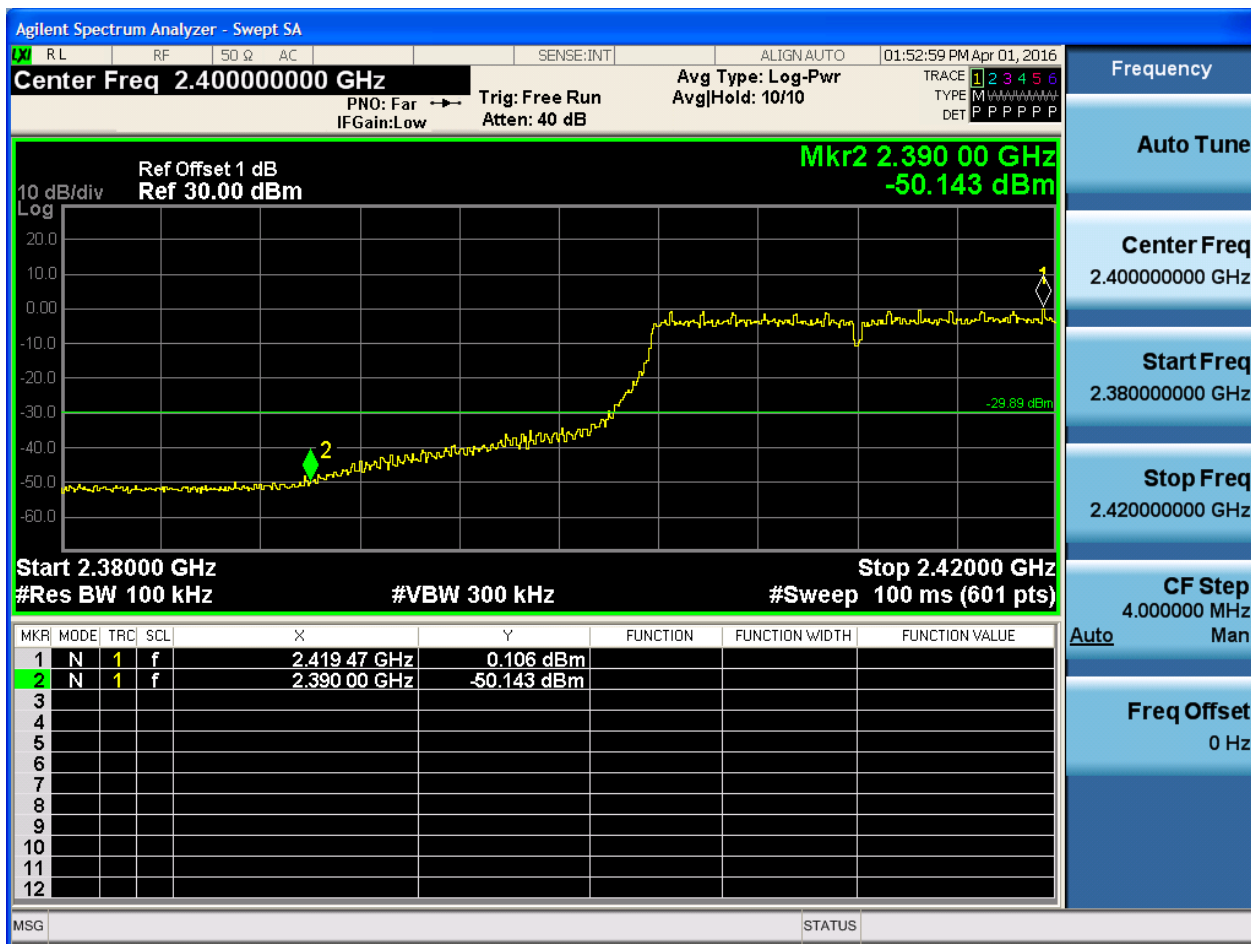


2.2 11B_H@Ant 1



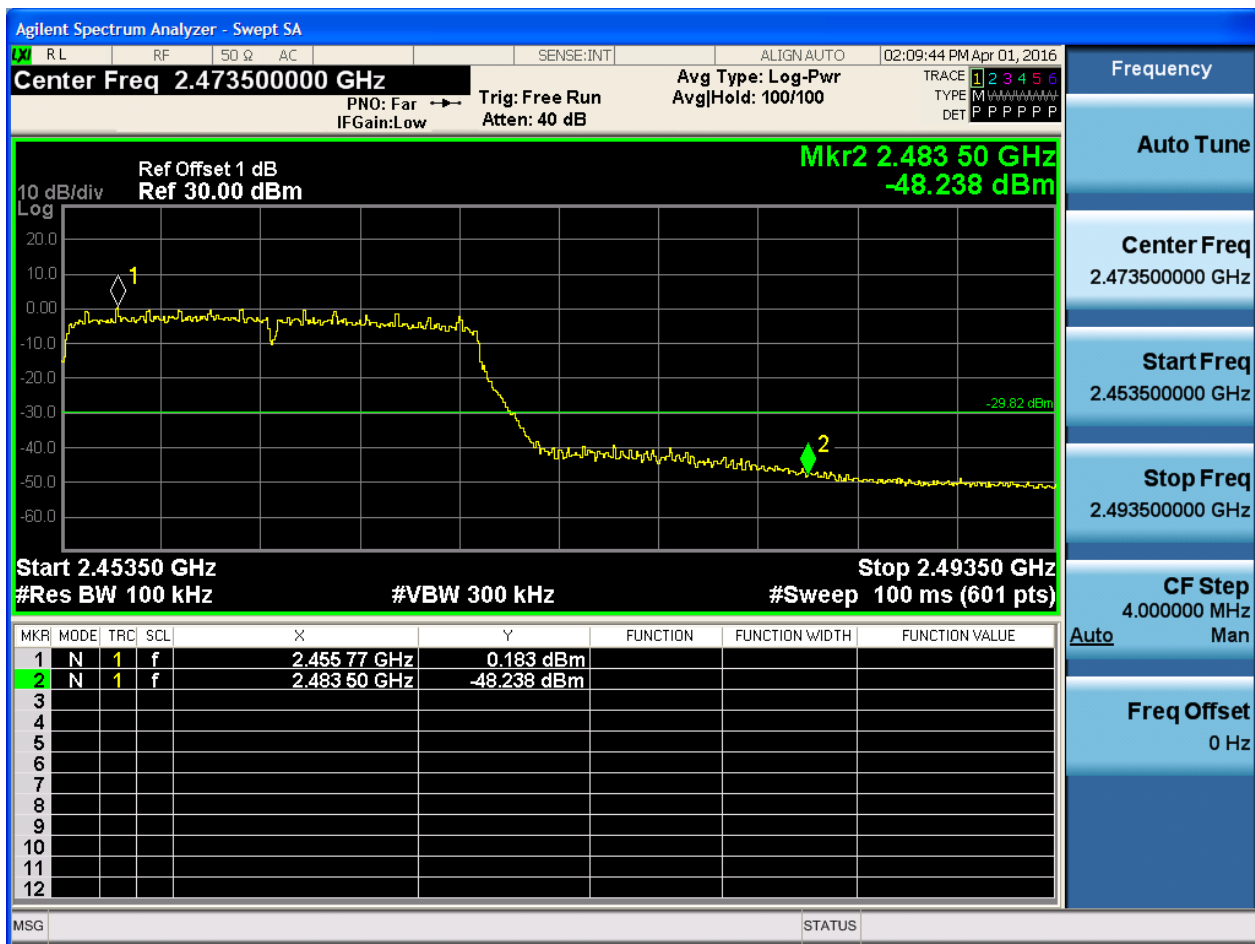


2.3 11G_L@Ant 1





2.4 11G_H@Ant 1





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.40000000 GHz

Ref Offset 1 dB
Ref 30.00 dBm

Mkr2 2.390 00 GHz
-50.309 dBm

Start 2.38000 GHz
#Res BW 100 kHz

Stop 2.42000 GHz
#Sweep 100 ms (601 pts)

Trig: Free Run
Atten: 40 dB

IFGain: Low

Msg

STATUS

The screenshot displays a spectrum analyzer interface. The main plot area shows a signal trace with a marker '2' at 2.390 GHz and -50.309 dBm. The frequency range is from 2.380 GHz to 2.420 GHz. The power level is -50.309 dBm. The resolution bandwidth is 100 kHz. The sweep time is 100 ms. The center frequency is 2.400 GHz. The reference level is 30.00 dBm. The offset is 1 dB. The trace is labeled 'Mkr2 2.390 00 GHz -50.309 dBm'. The status bar at the bottom shows 'Msg' and 'STATUS'.

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.419 53 GHz	-1.290 dBm			
2	N	1	f	2.390 00 GHz	-50.309 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Frequency

Auto Tune

Center Freq
2.40000000 GHz

Start Freq
2.38000000 GHz

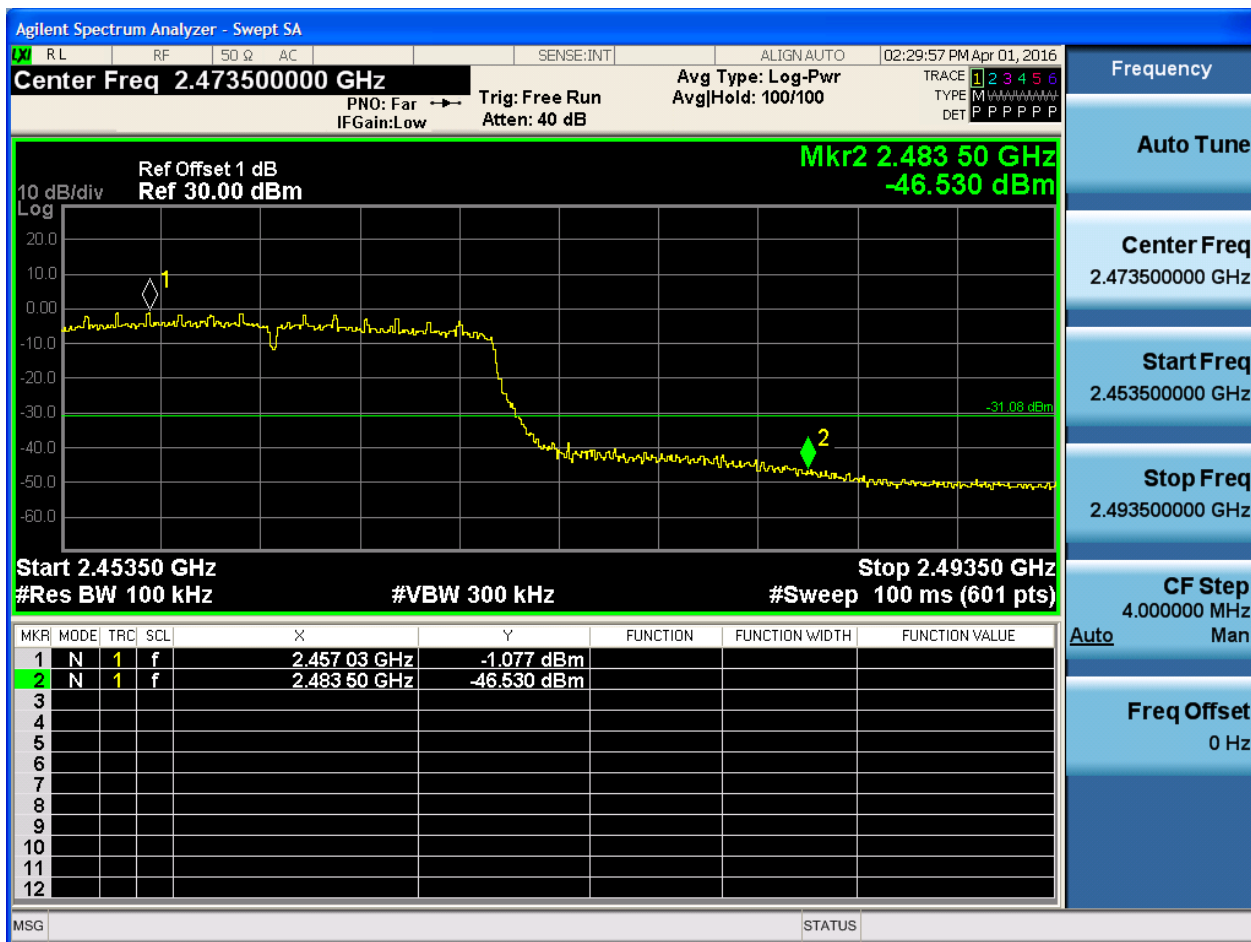
Stop Freq
2.42000000 GHz

CF Step
4.000000 MHz
Man

Freq Offset
0 Hz

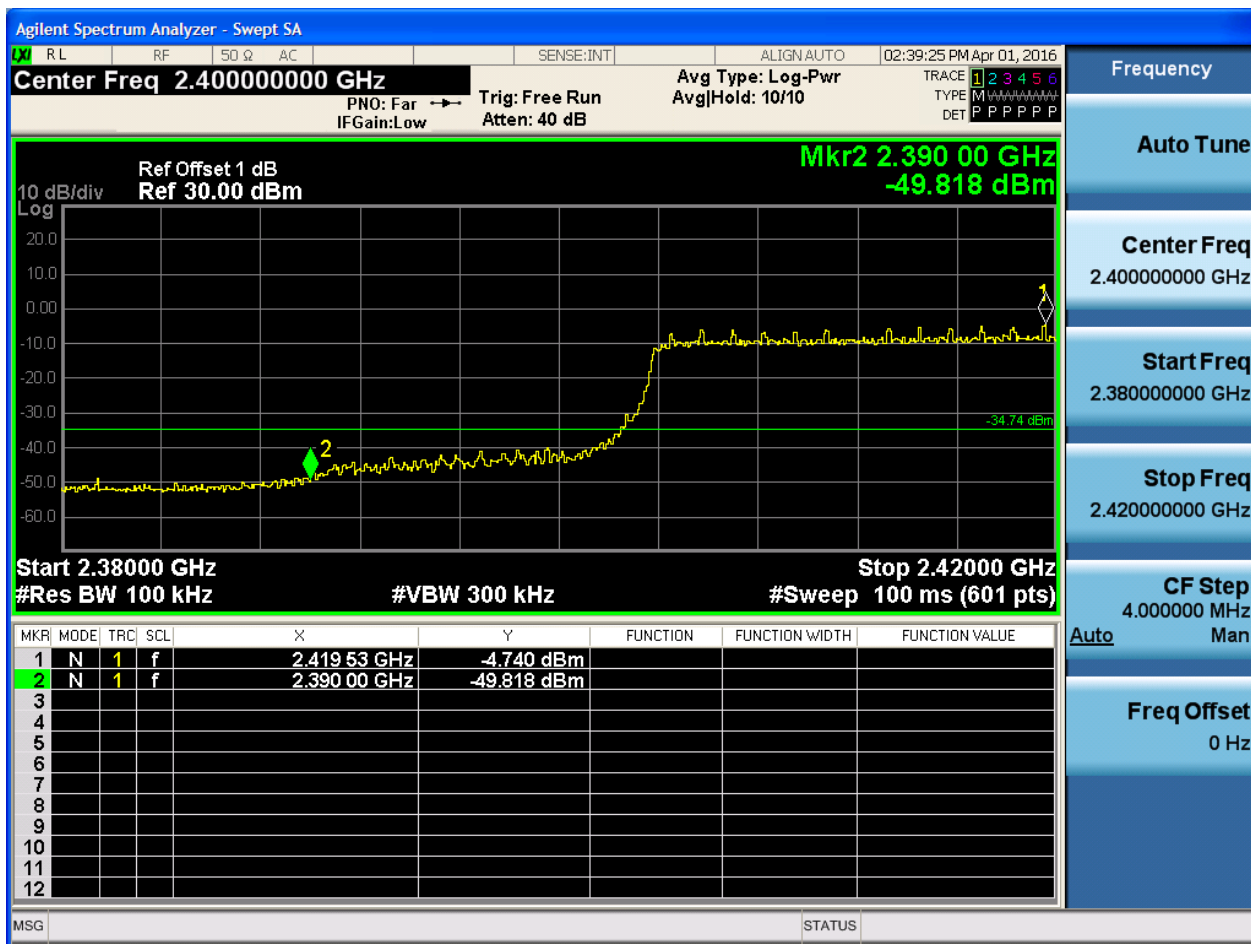


2.6 11N20_H@Ant 1



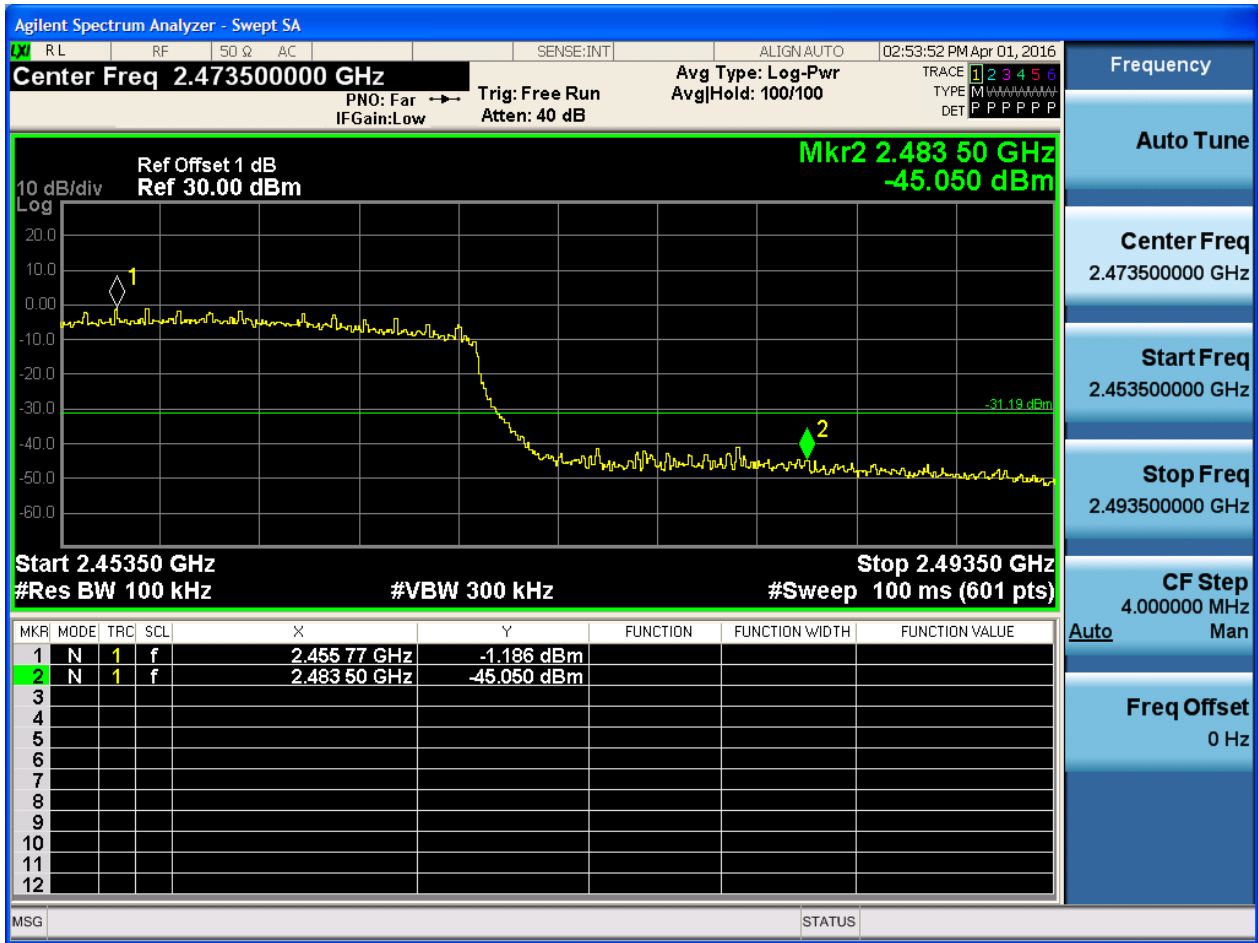


2.7 11N40_L@Ant 1





2.8 11N40_H@Ant 1



Appendix H: 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".

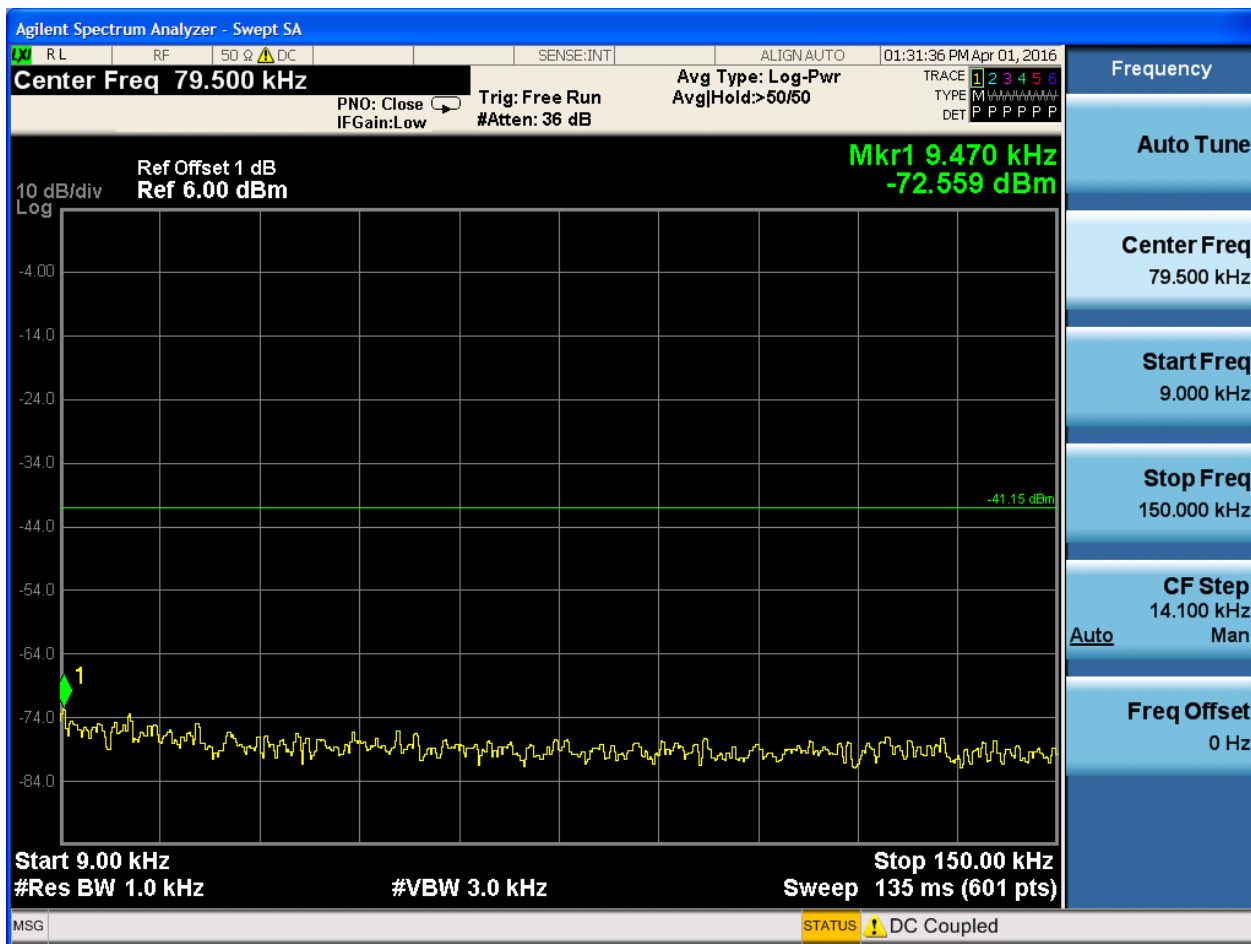
Part I - Test Results

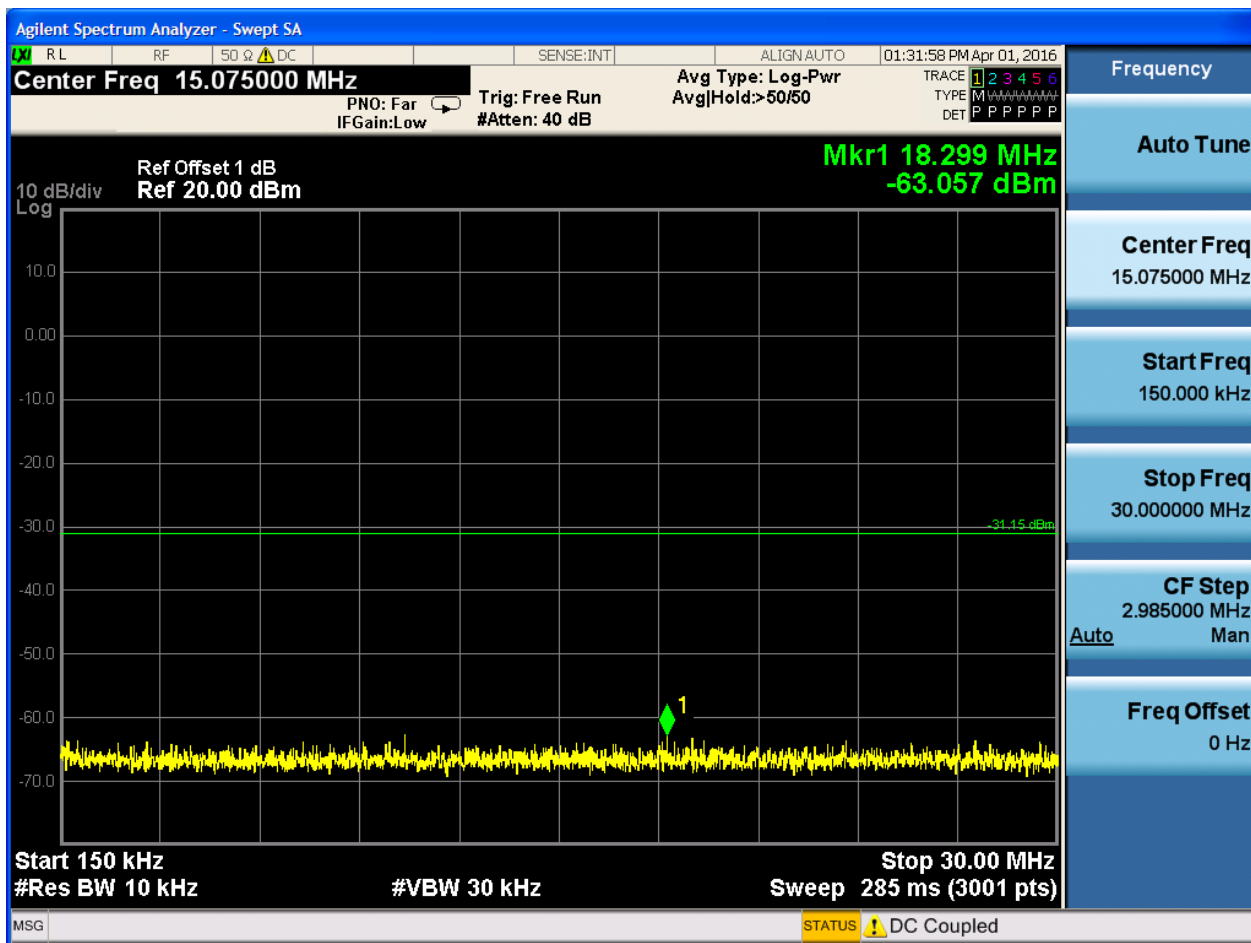
Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11B	L	2412	Ant 1	8.85	<limit	pass
11B	M	2437	Ant 1	9.85	<limit	pass
11B	H	2462	Ant 1	8.80	<limit	pass
11G	L	2412	Ant 1	0.33	<limit	pass
11G	M	2437	Ant 1	0.97	<limit	pass
11G	H	2462	Ant 1	0.32	<limit	pass
11N20	L	2412	Ant 1	-1.12	<limit	pass
11N20	M	2437	Ant 1	-0.47	<limit	pass
11N20	H	2462	Ant 1	-0.95	<limit	pass
11N40	L	2422	Ant 1	-3.70	<limit	pass
11N40	M	2437	Ant 1	-4.81	<limit	pass
11N40	H	2452	Ant 1	-1.02	<limit	pass

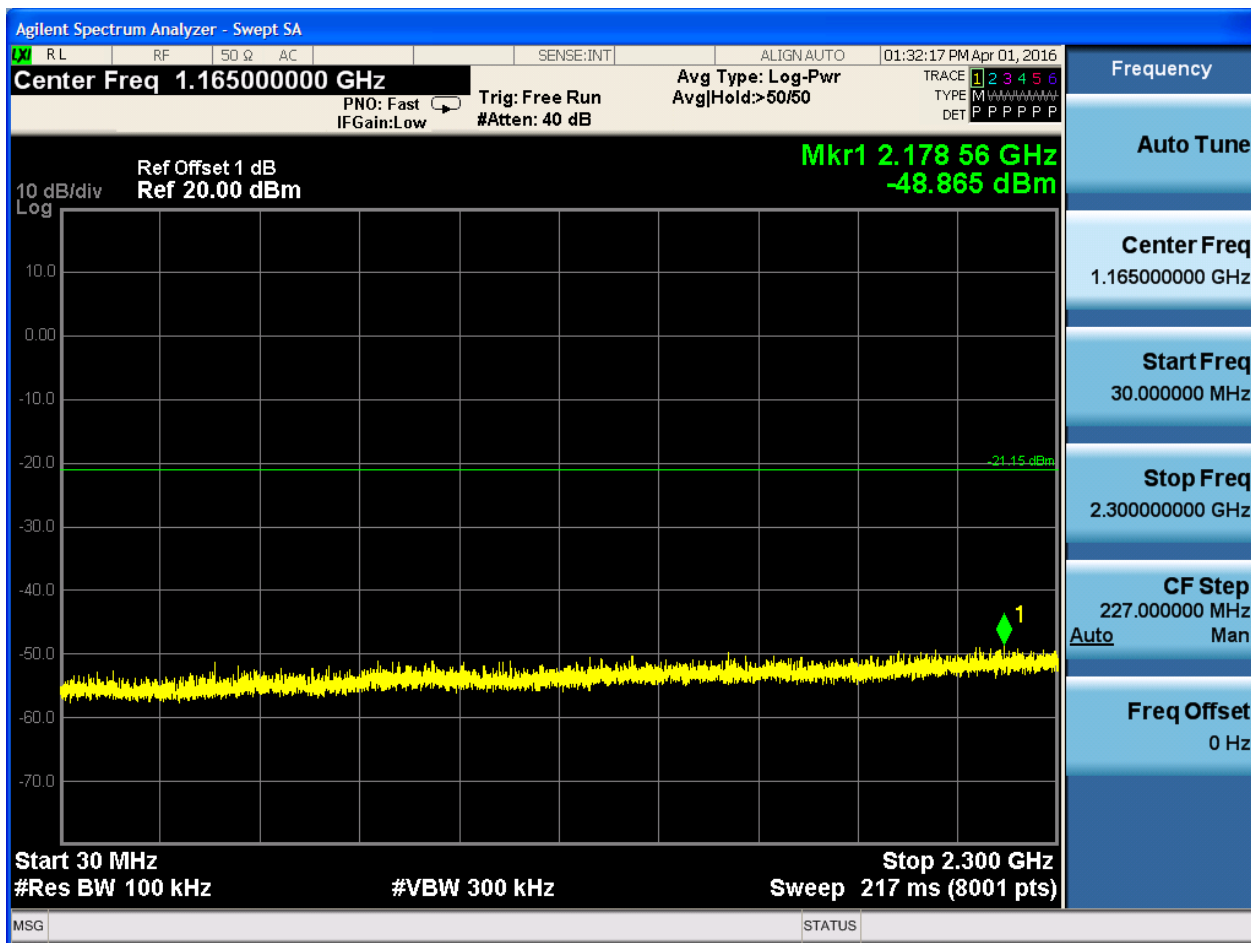


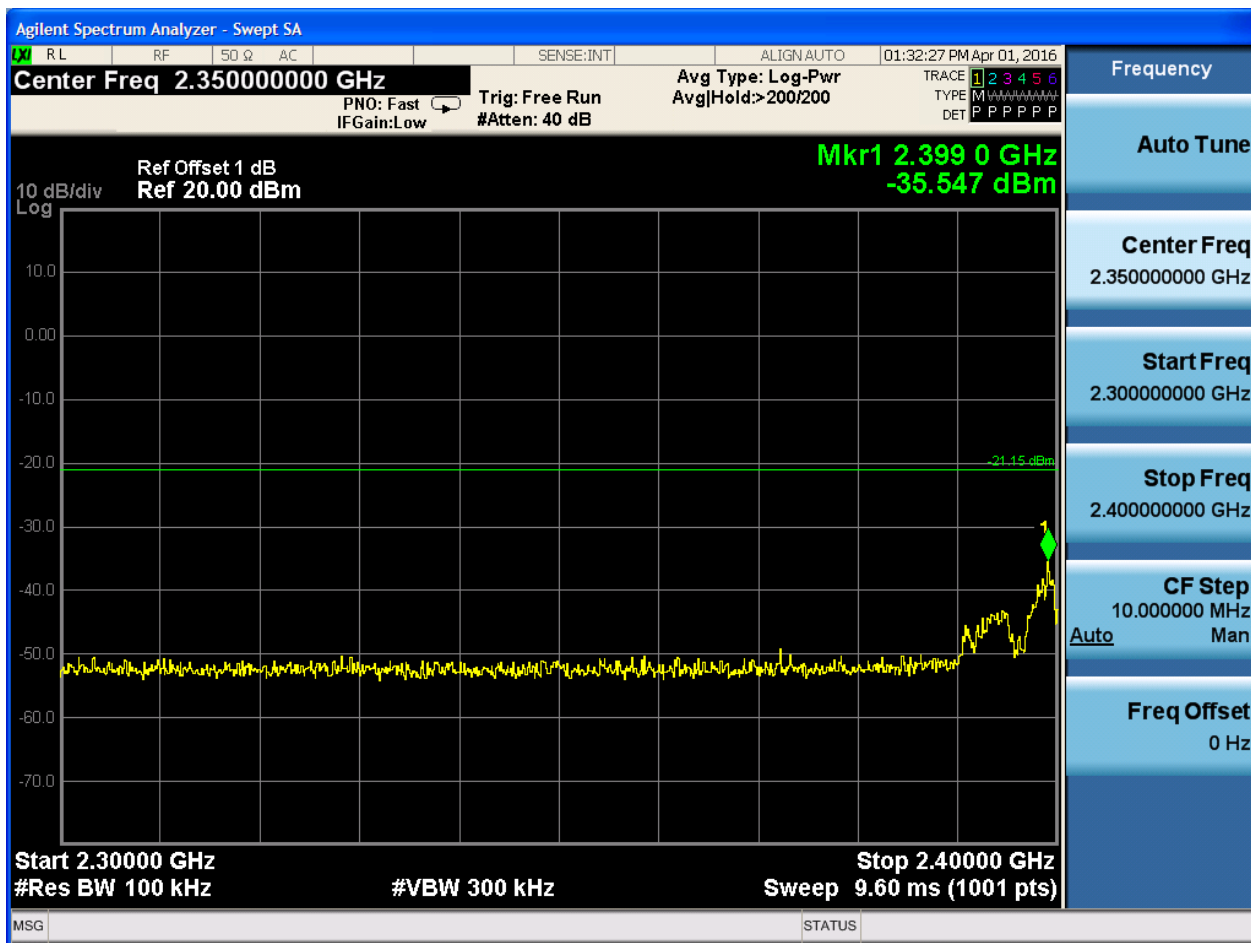


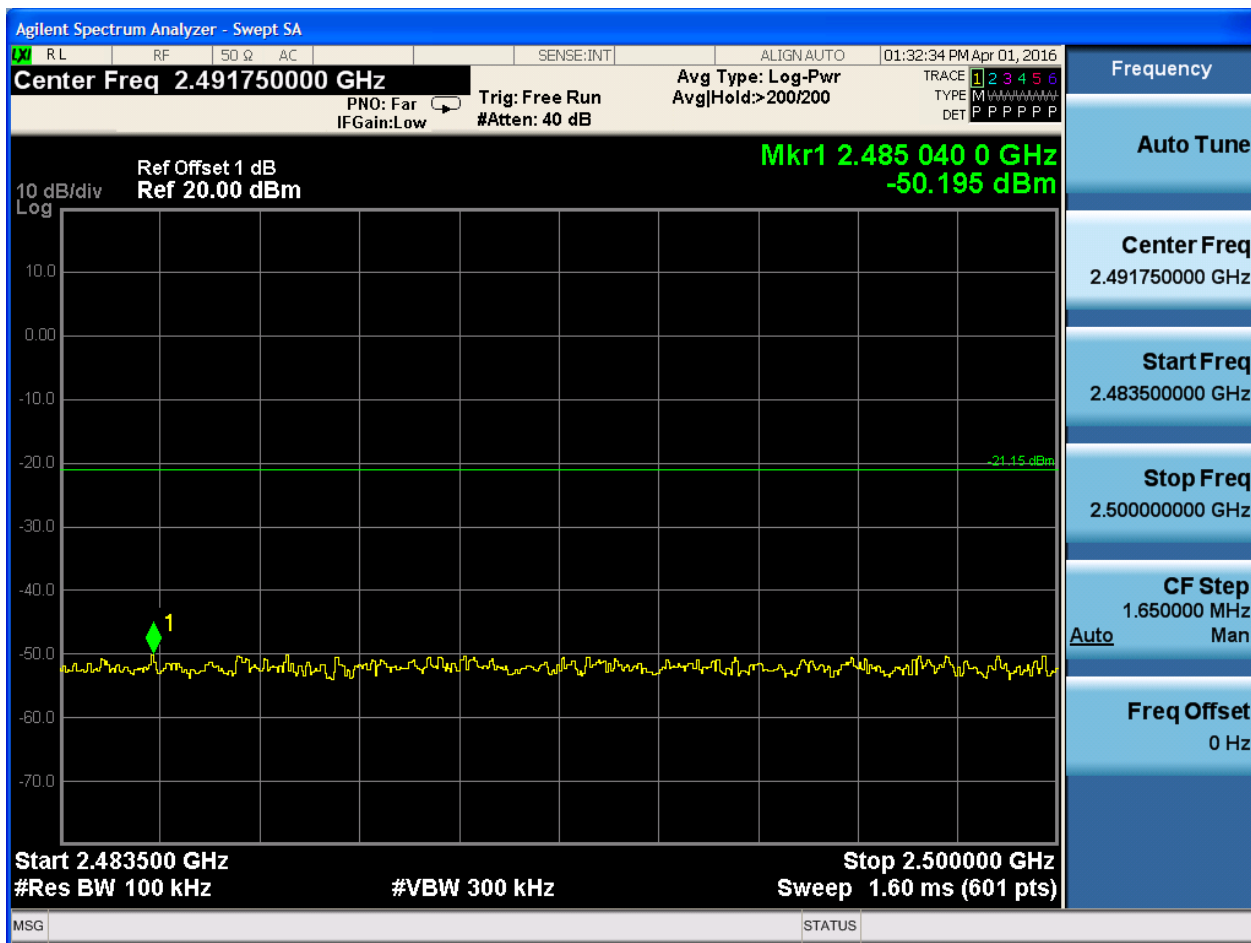
Puw:









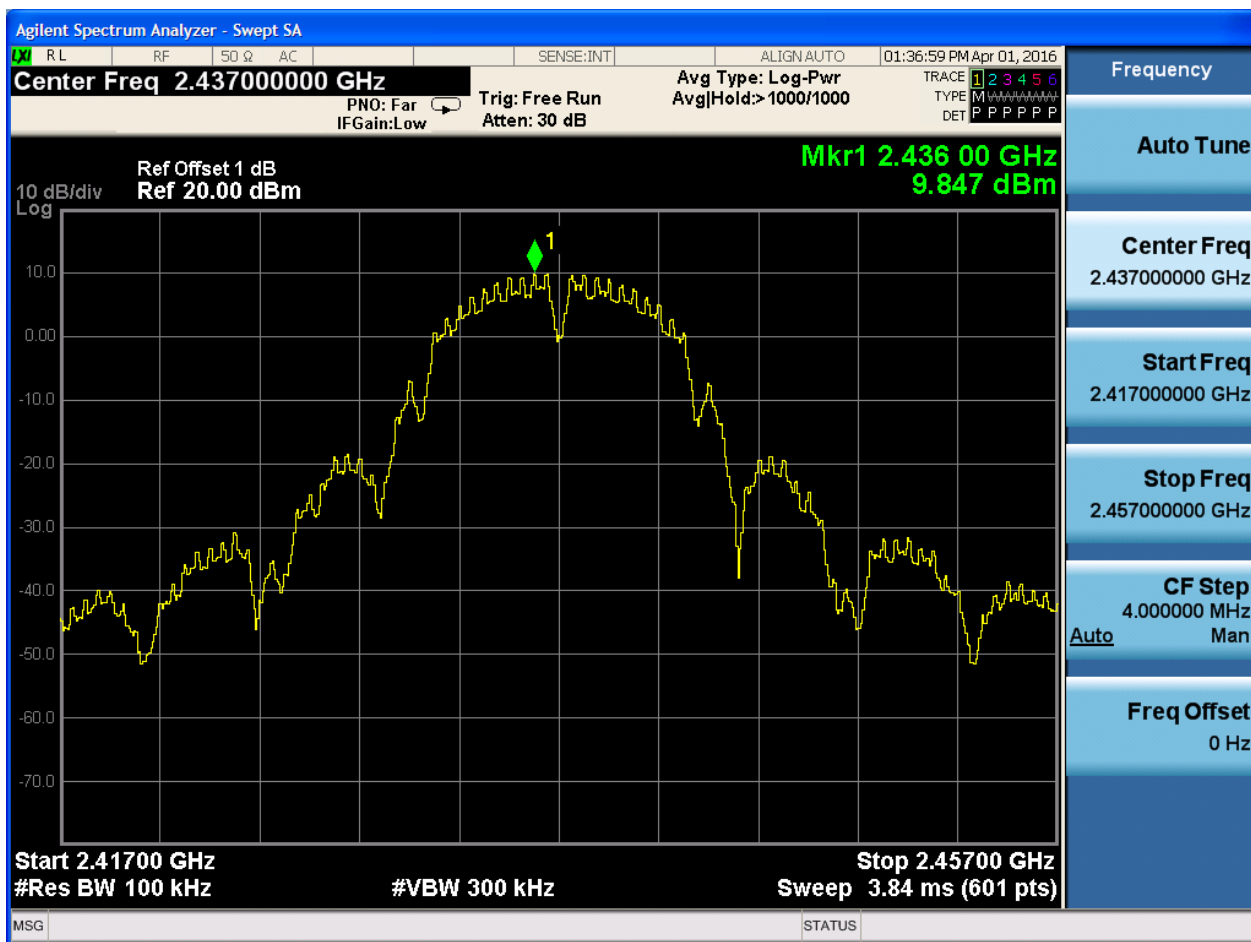






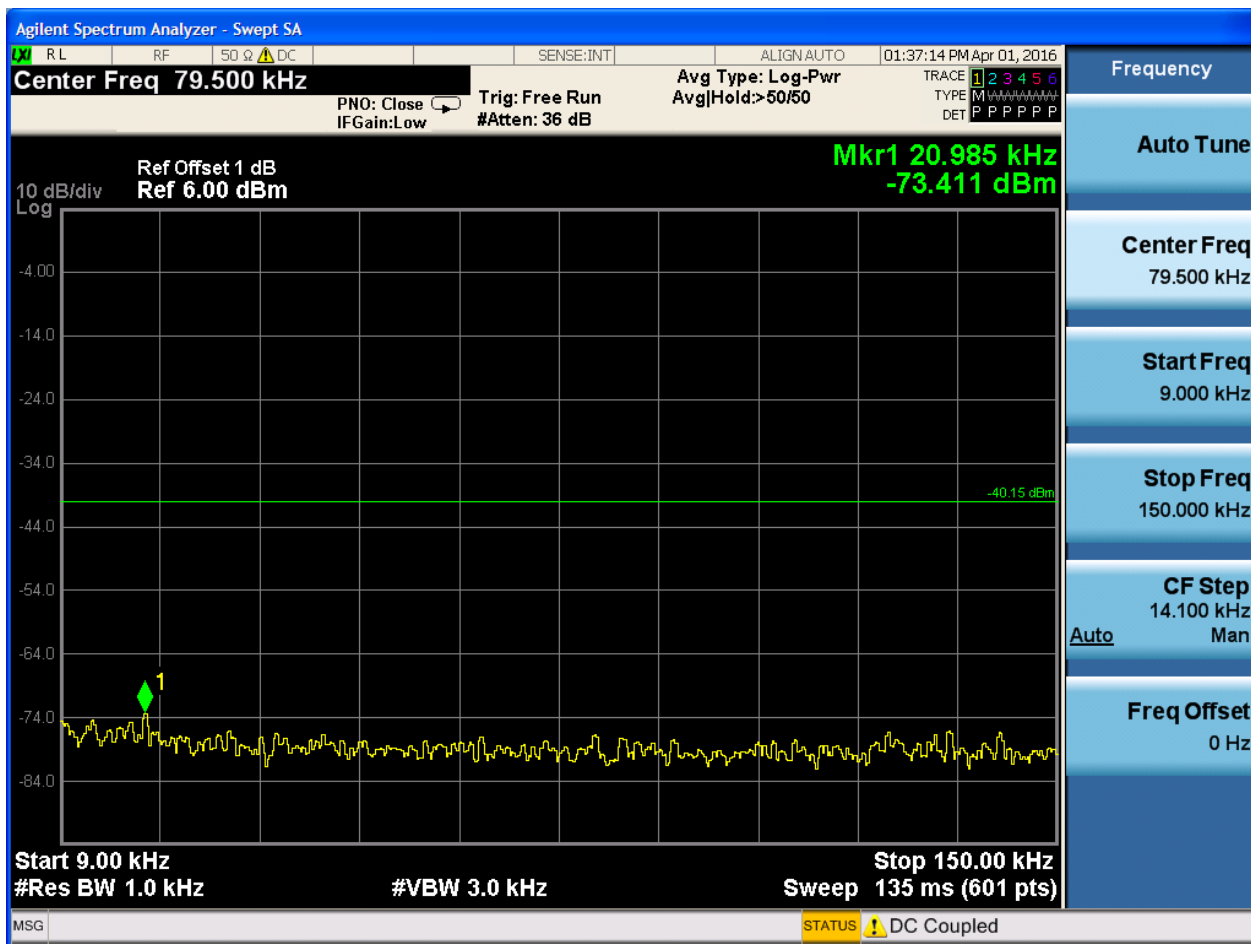
2.2 11B_M@Ant 1

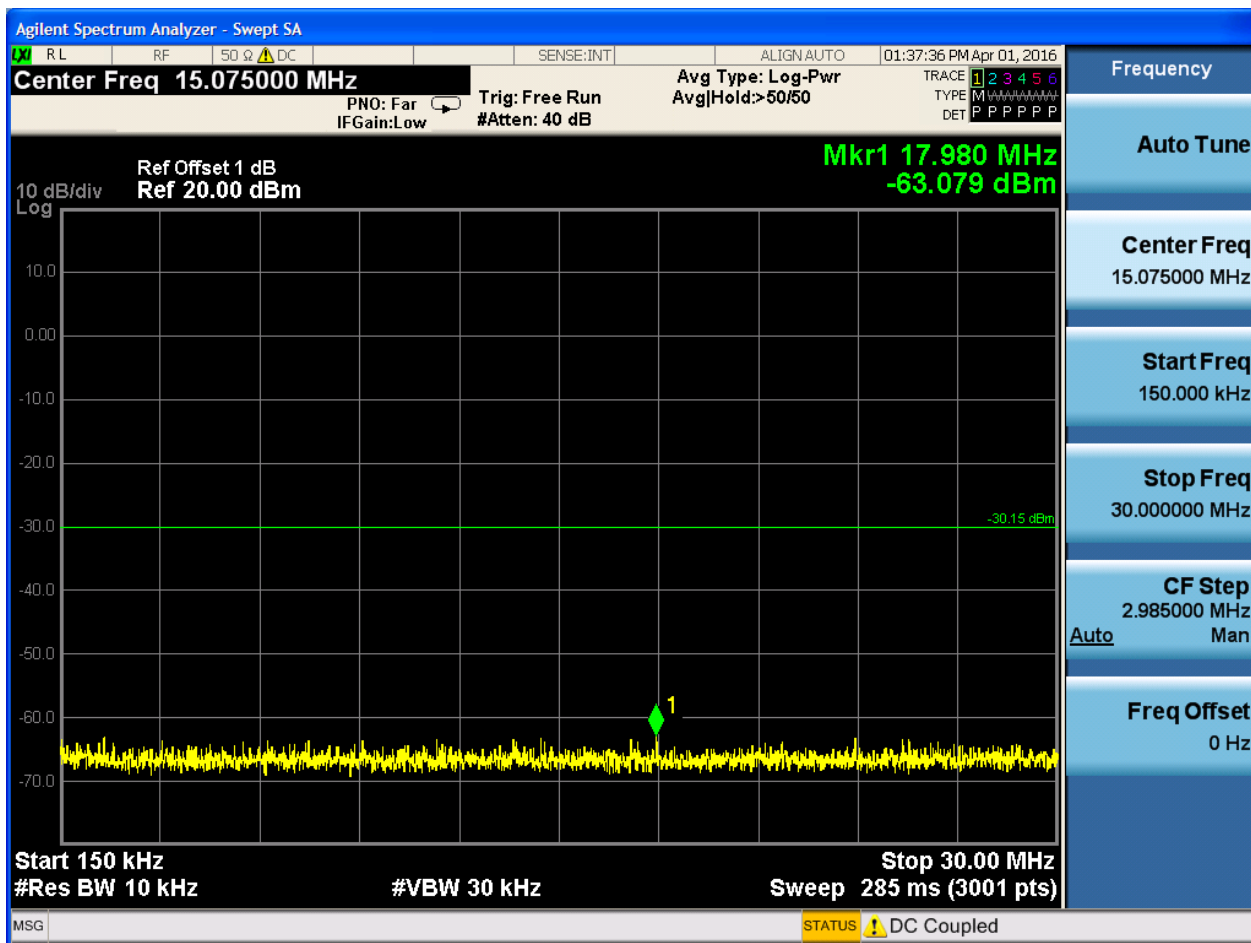
Pref:

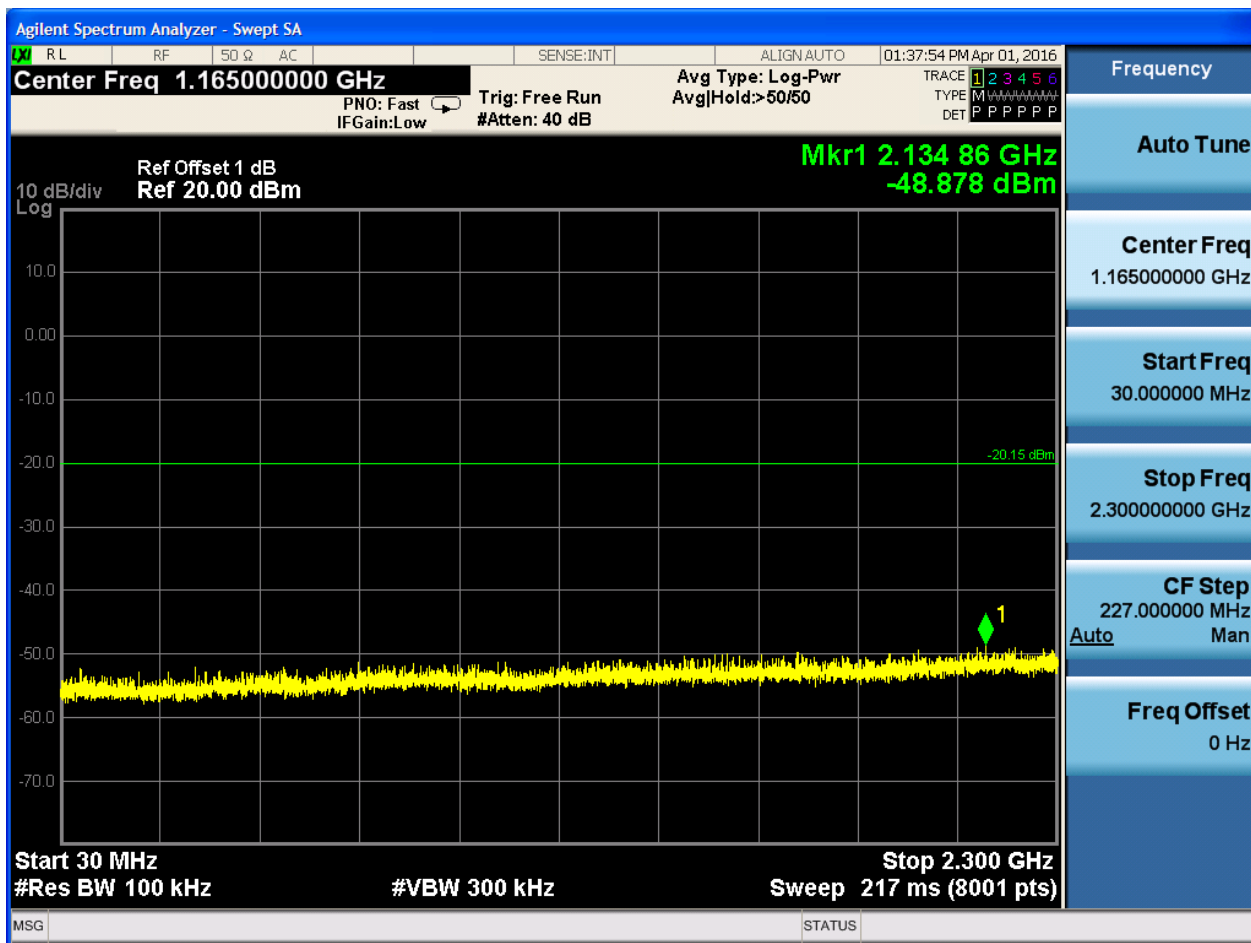


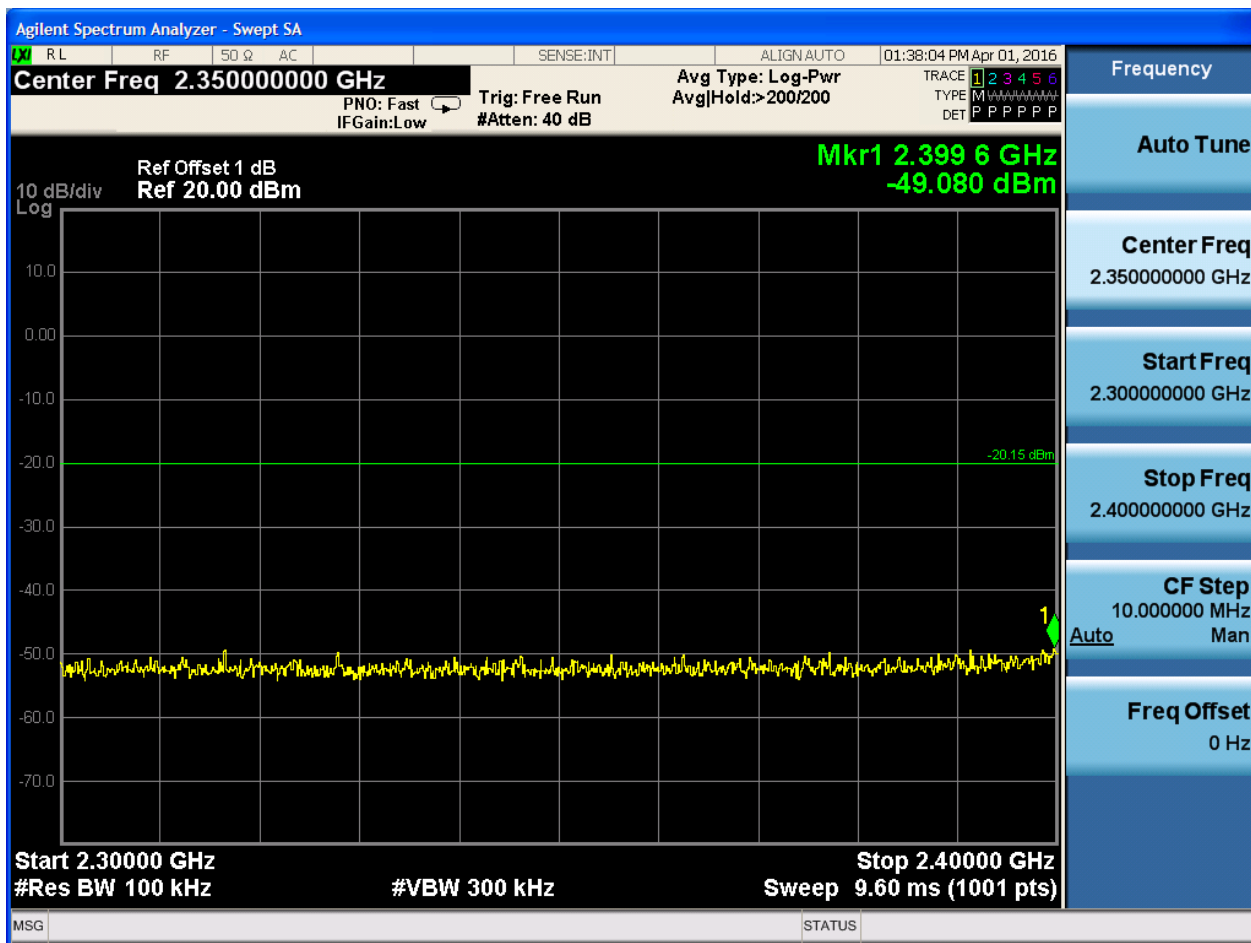


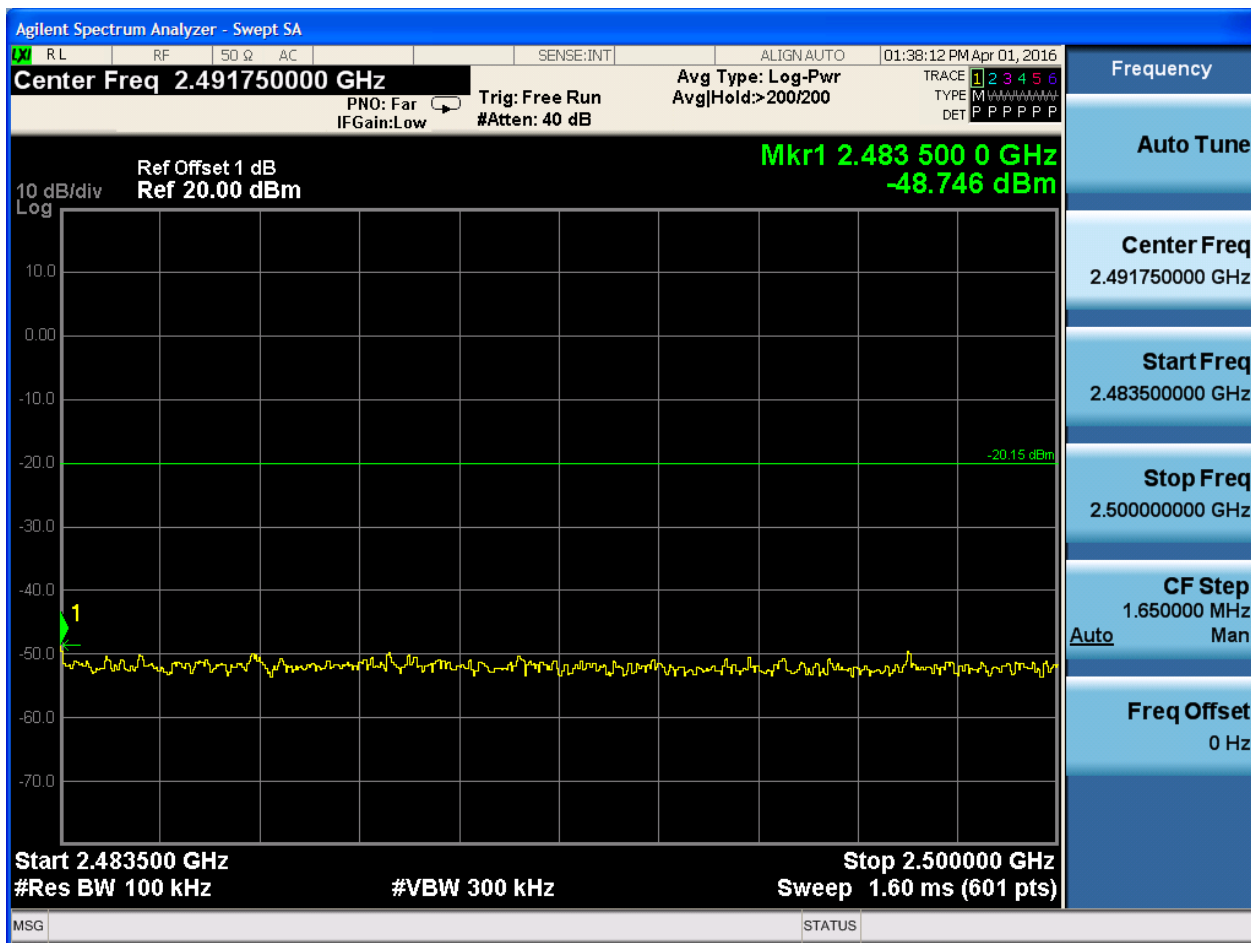
Puw:















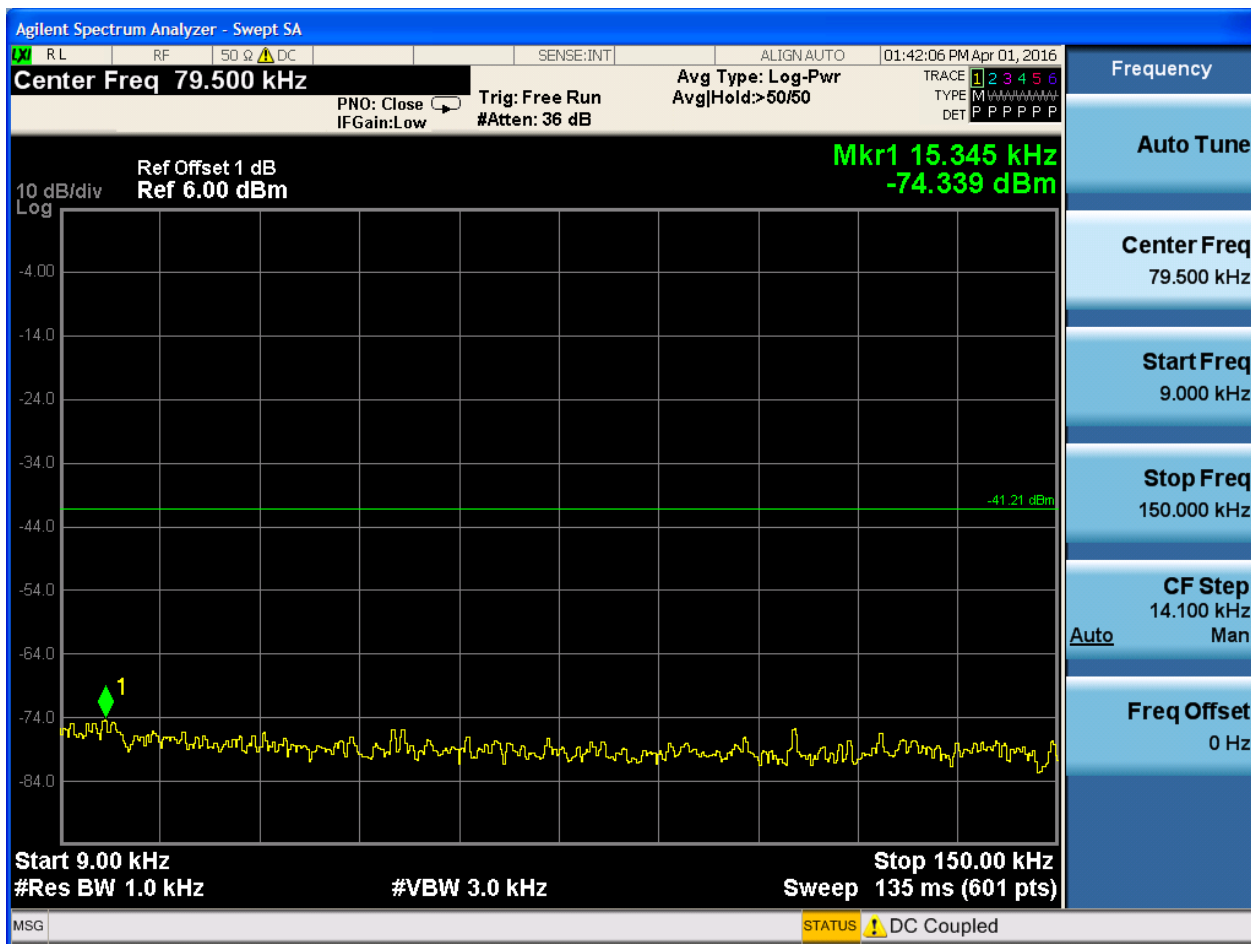
2.3 11B_H@Ant 1

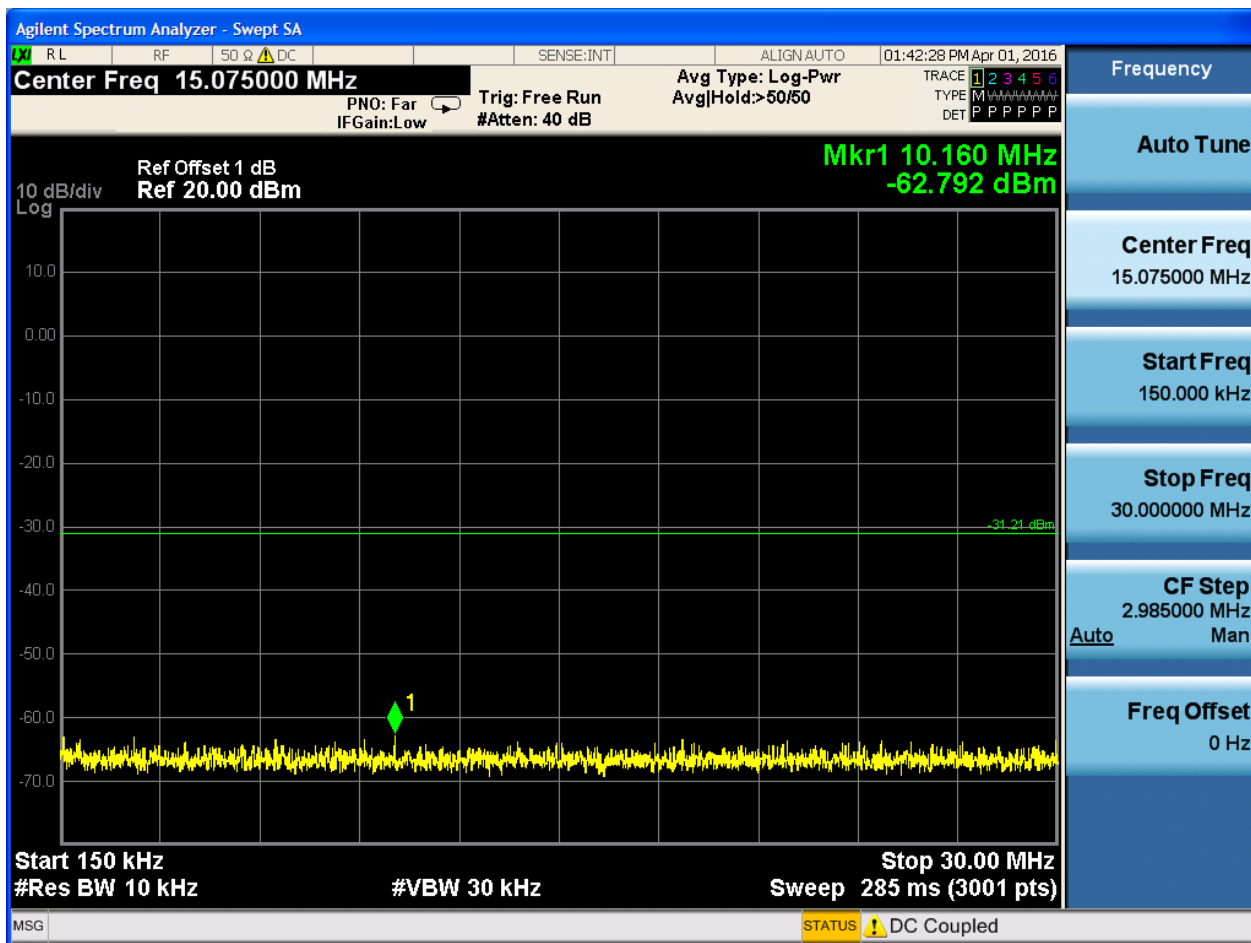
Pref:

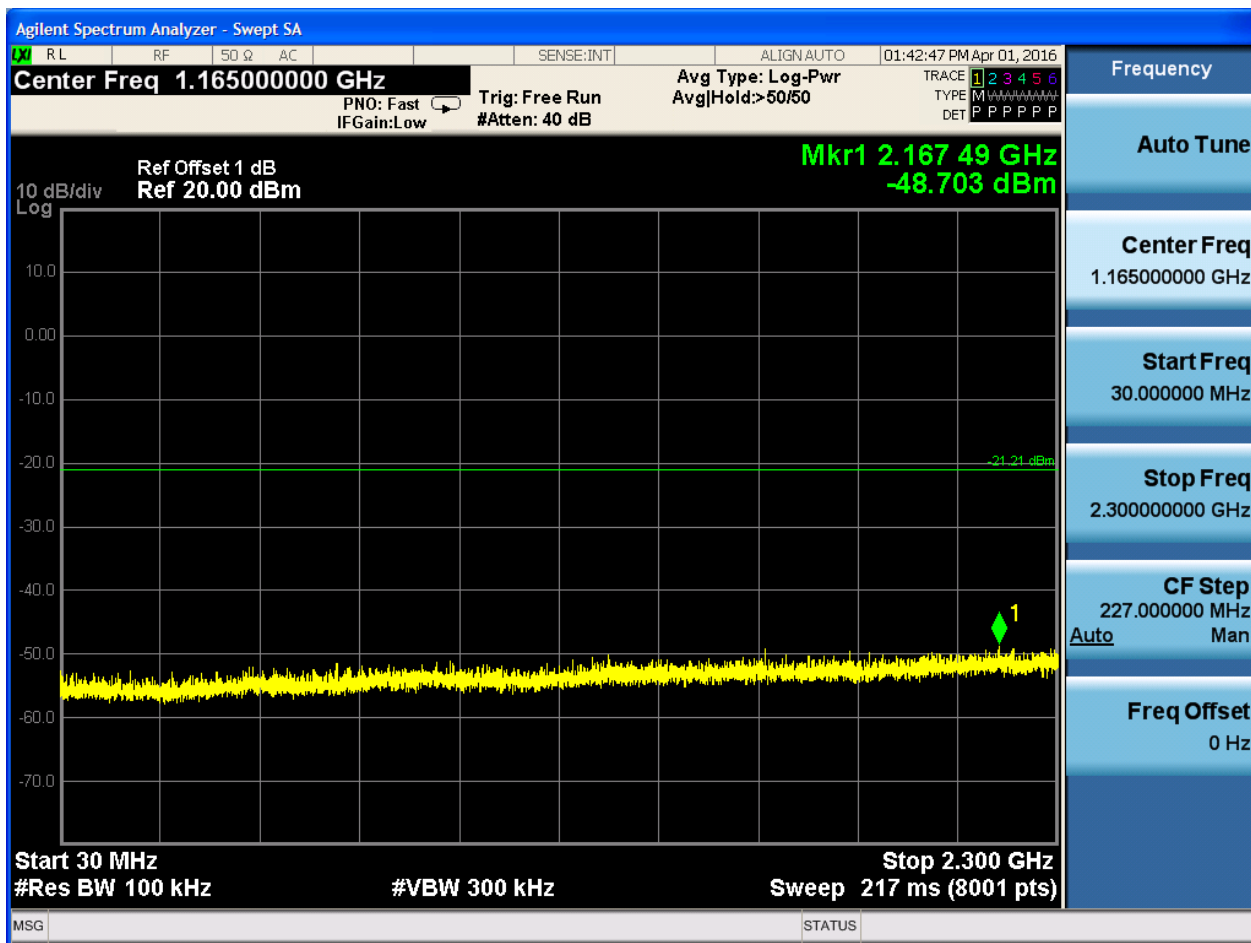


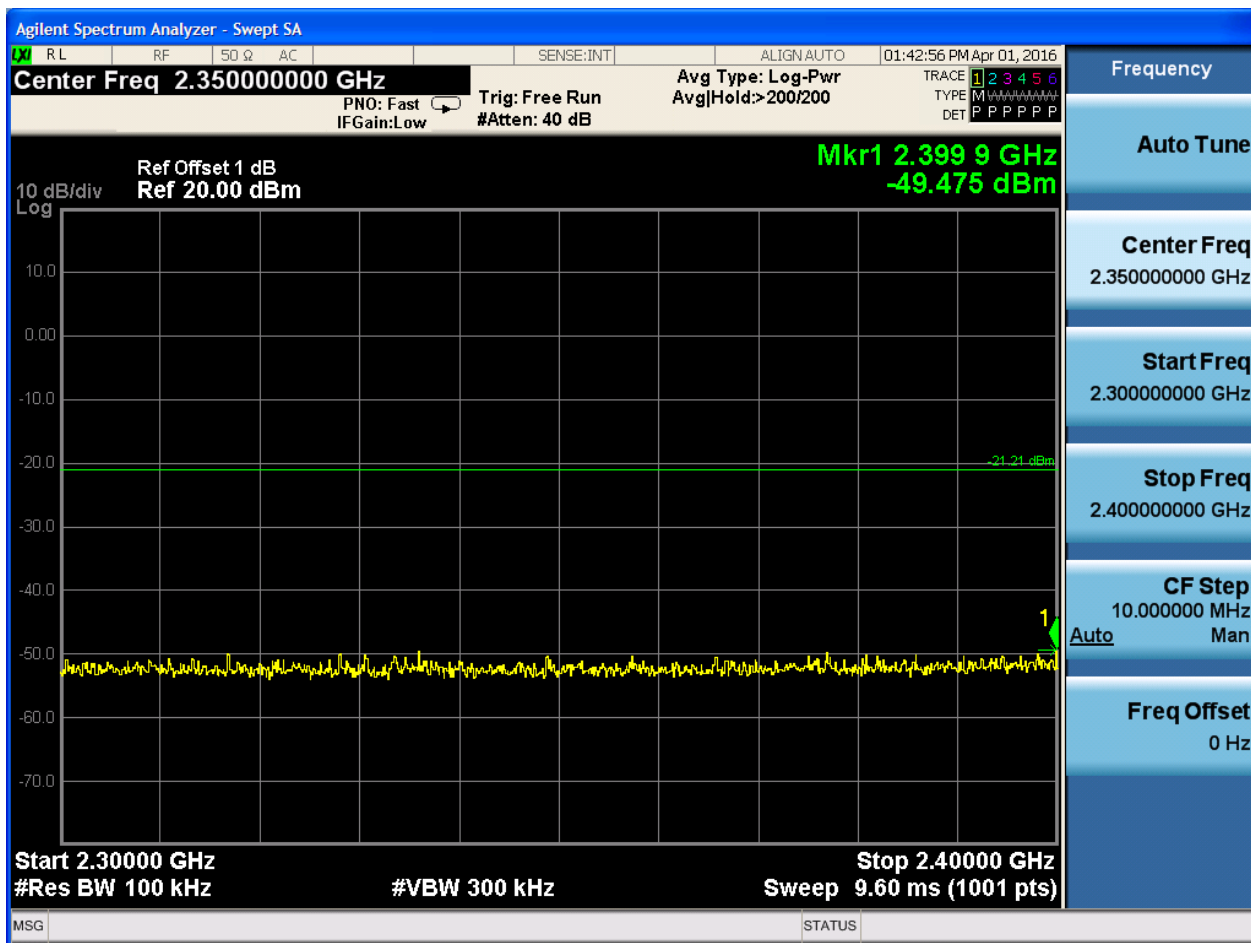


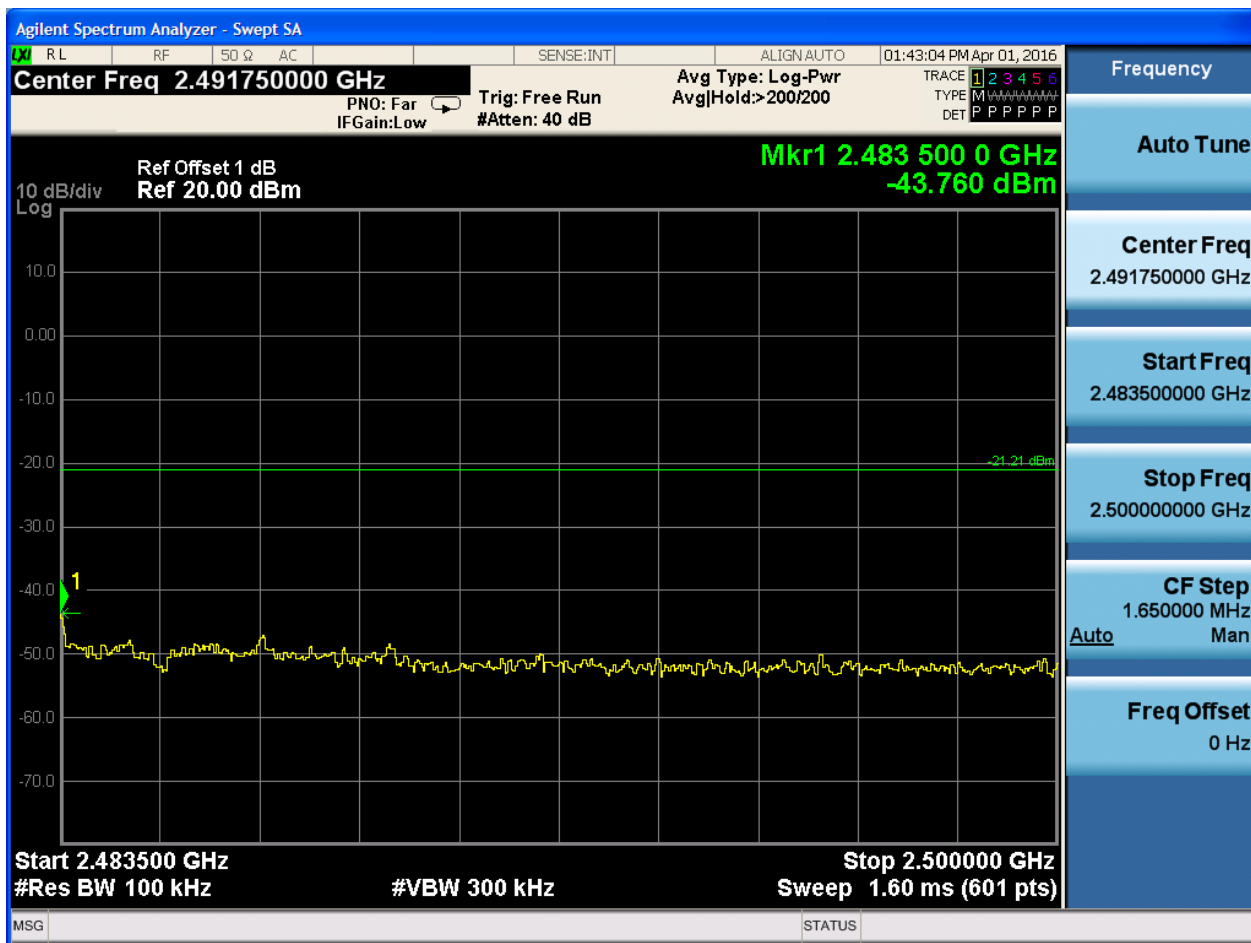
Puw:









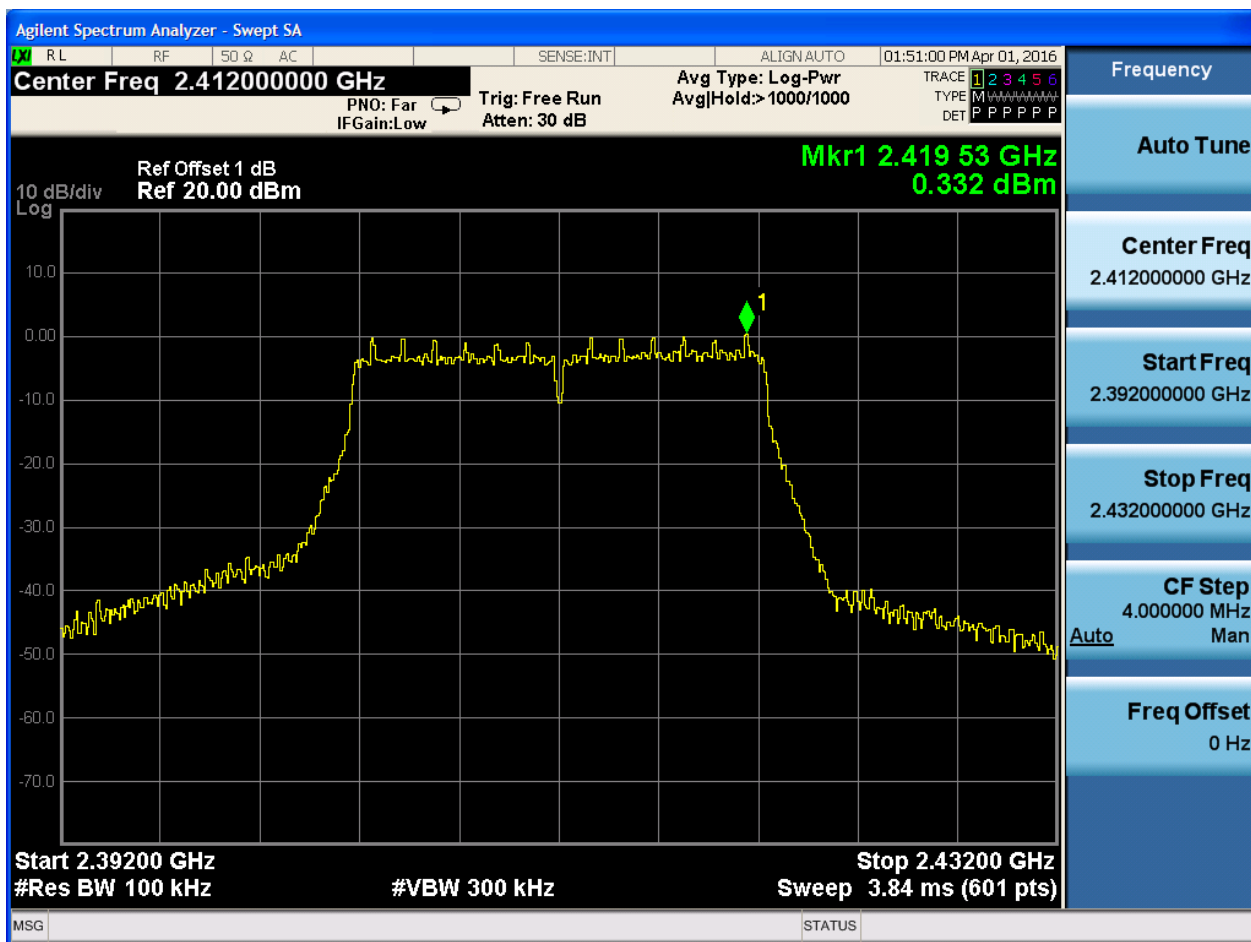






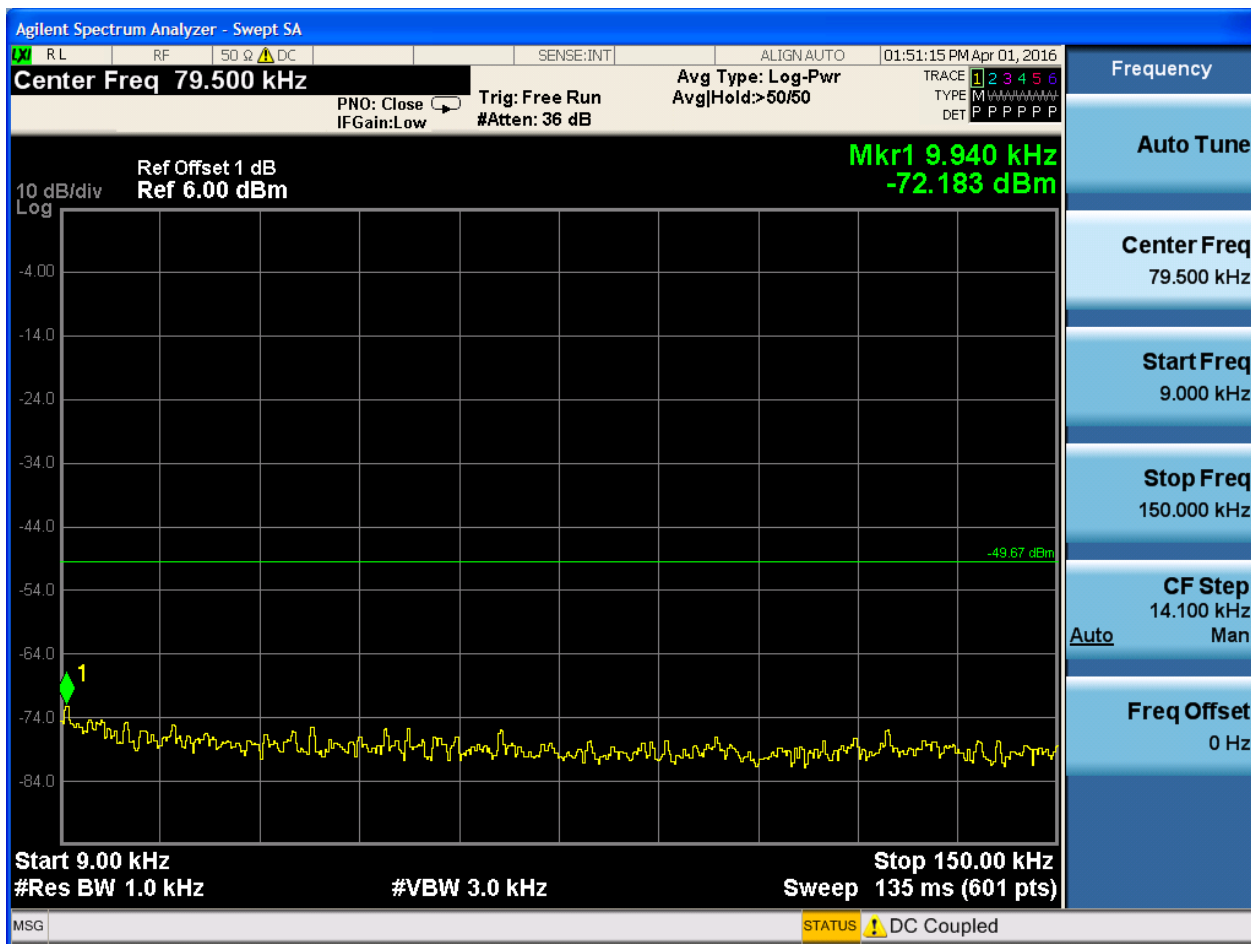
2.4 11G_L@Ant 1

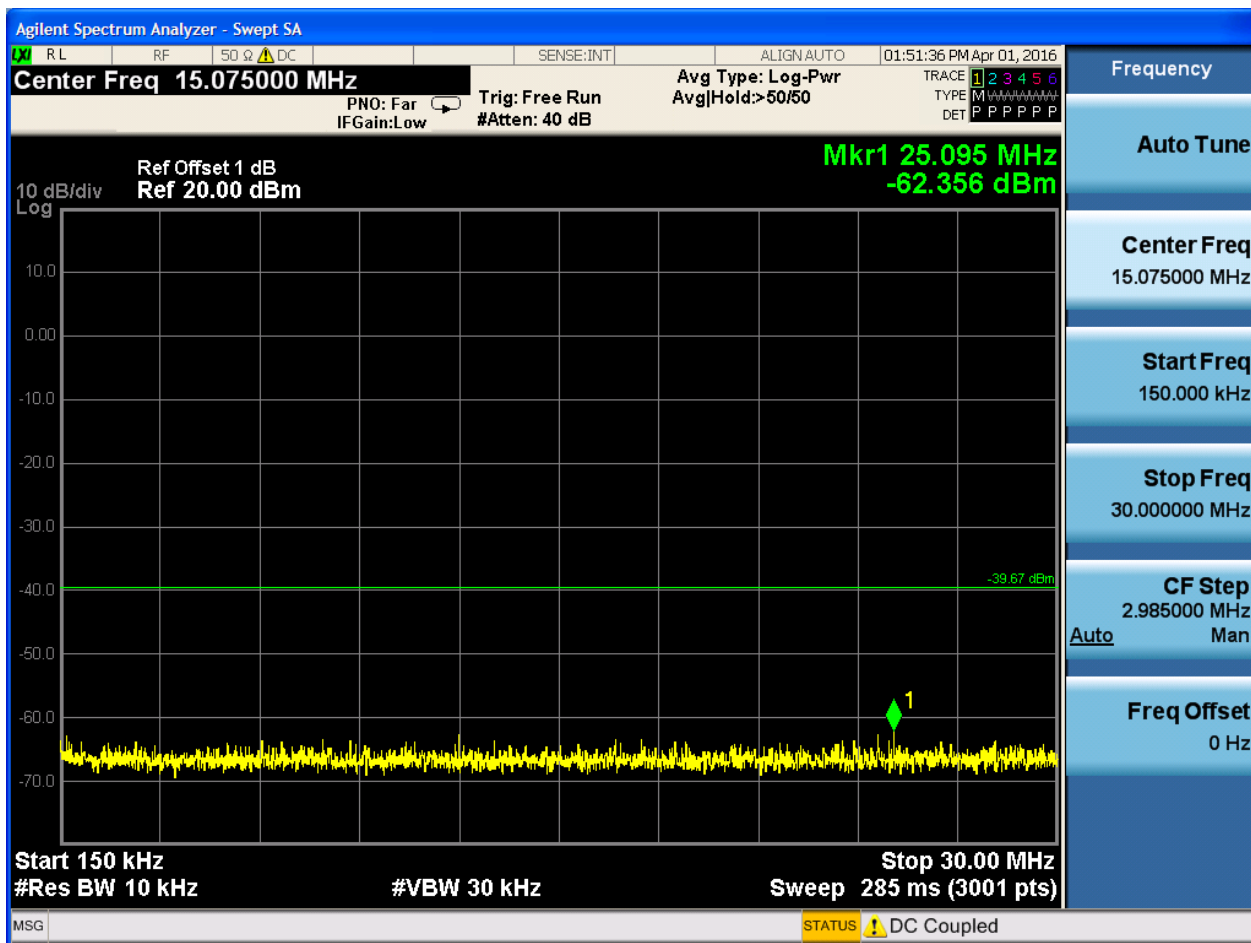
Pref:

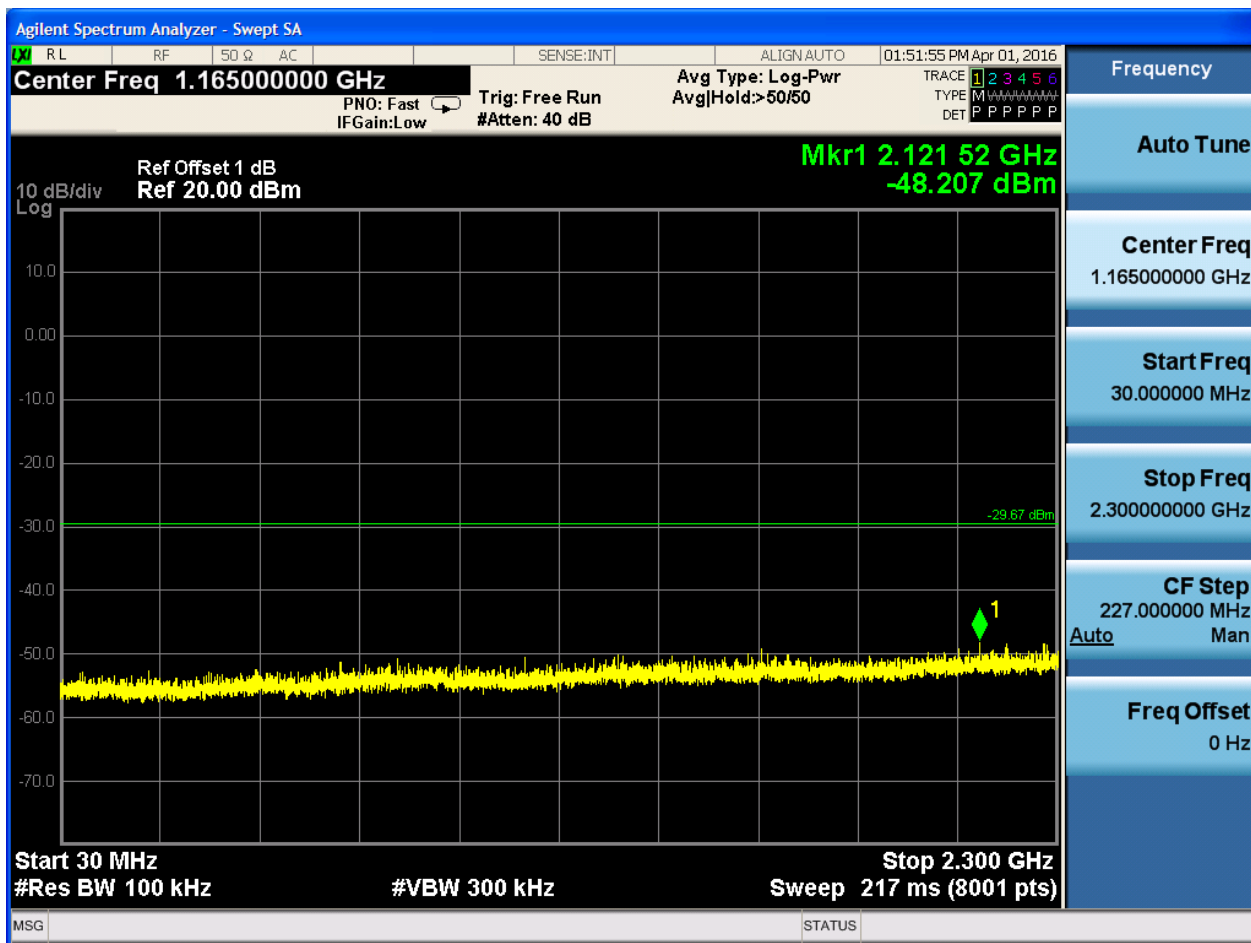


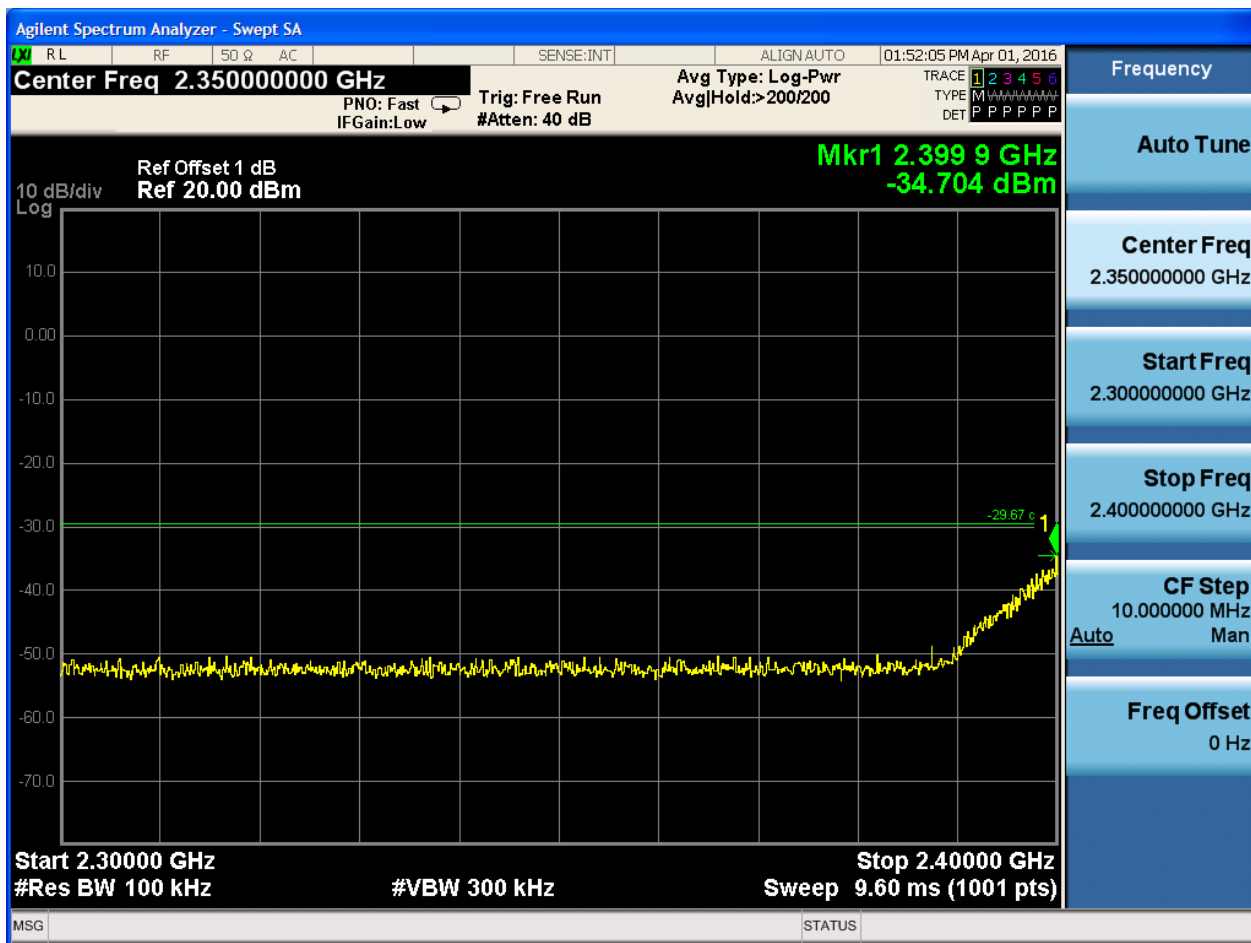


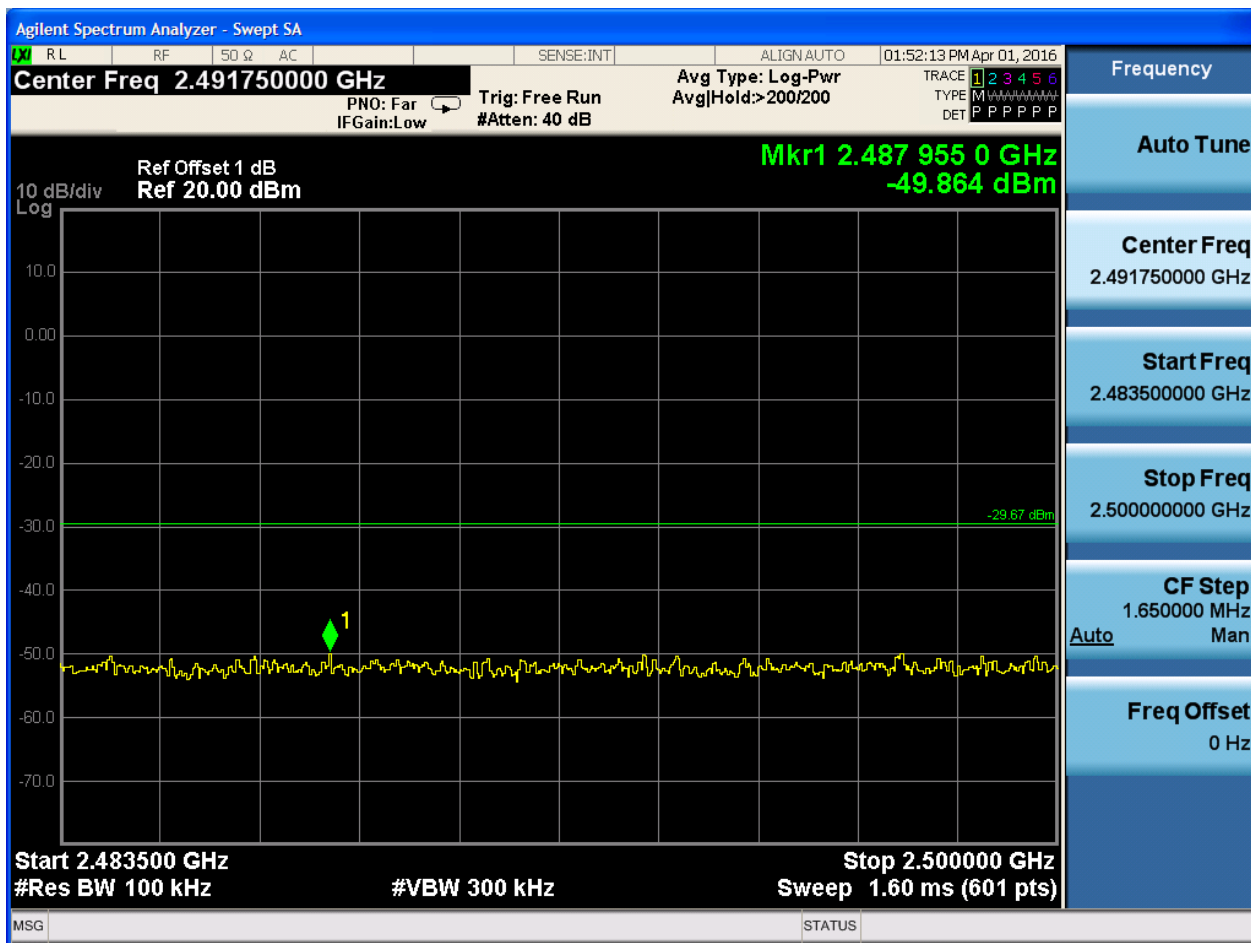
Puw:









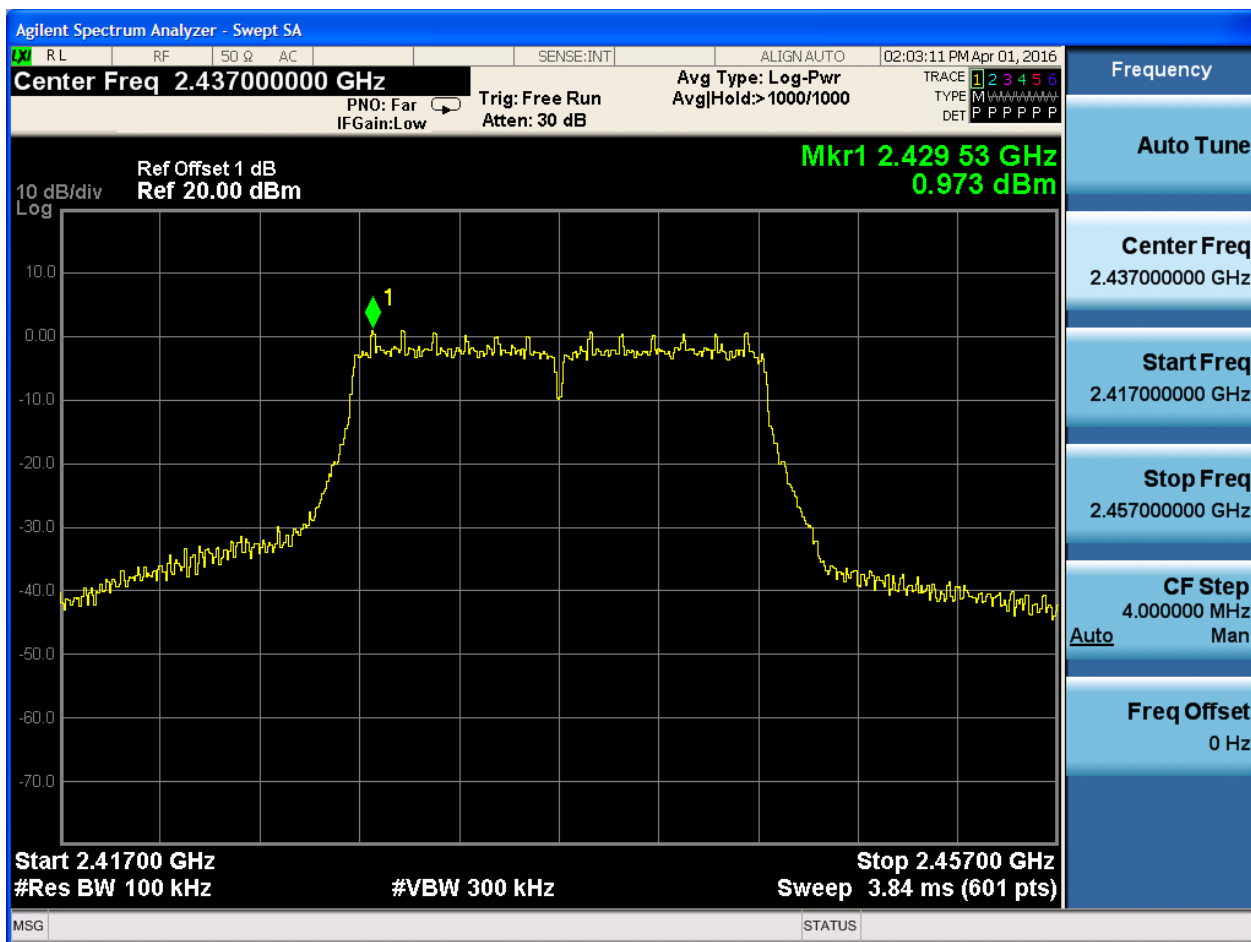






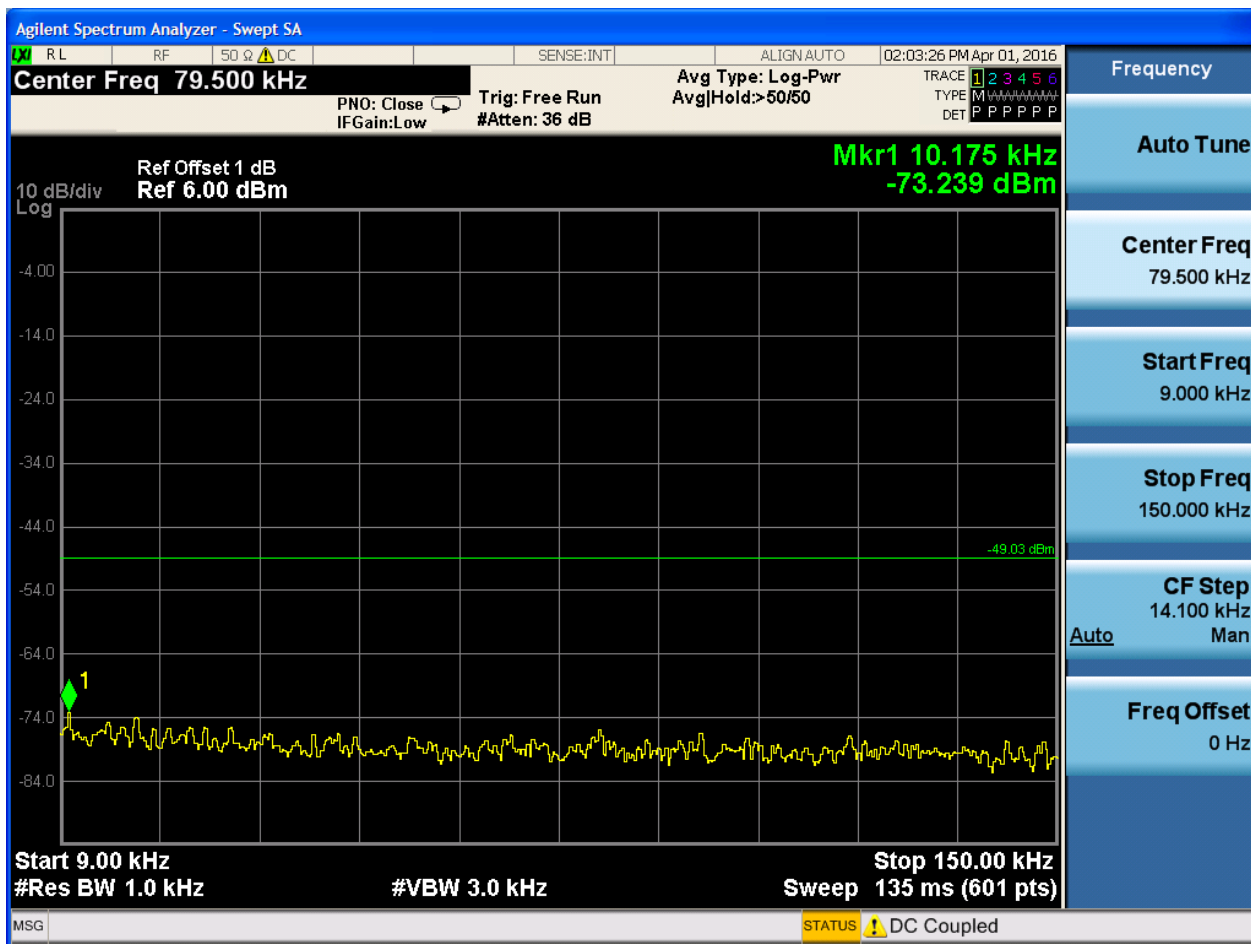
2.5 11G_M@Ant 1

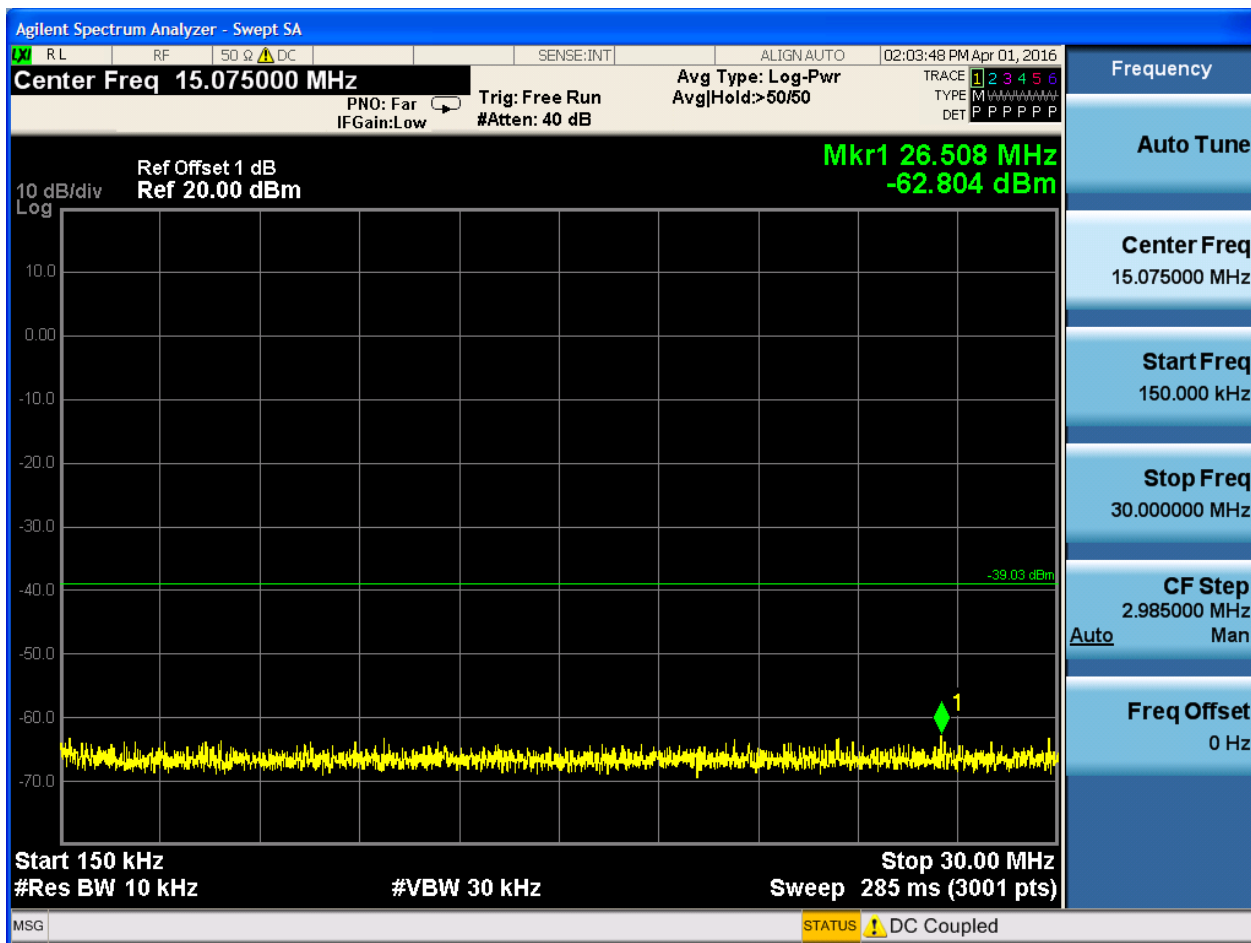
Pref:

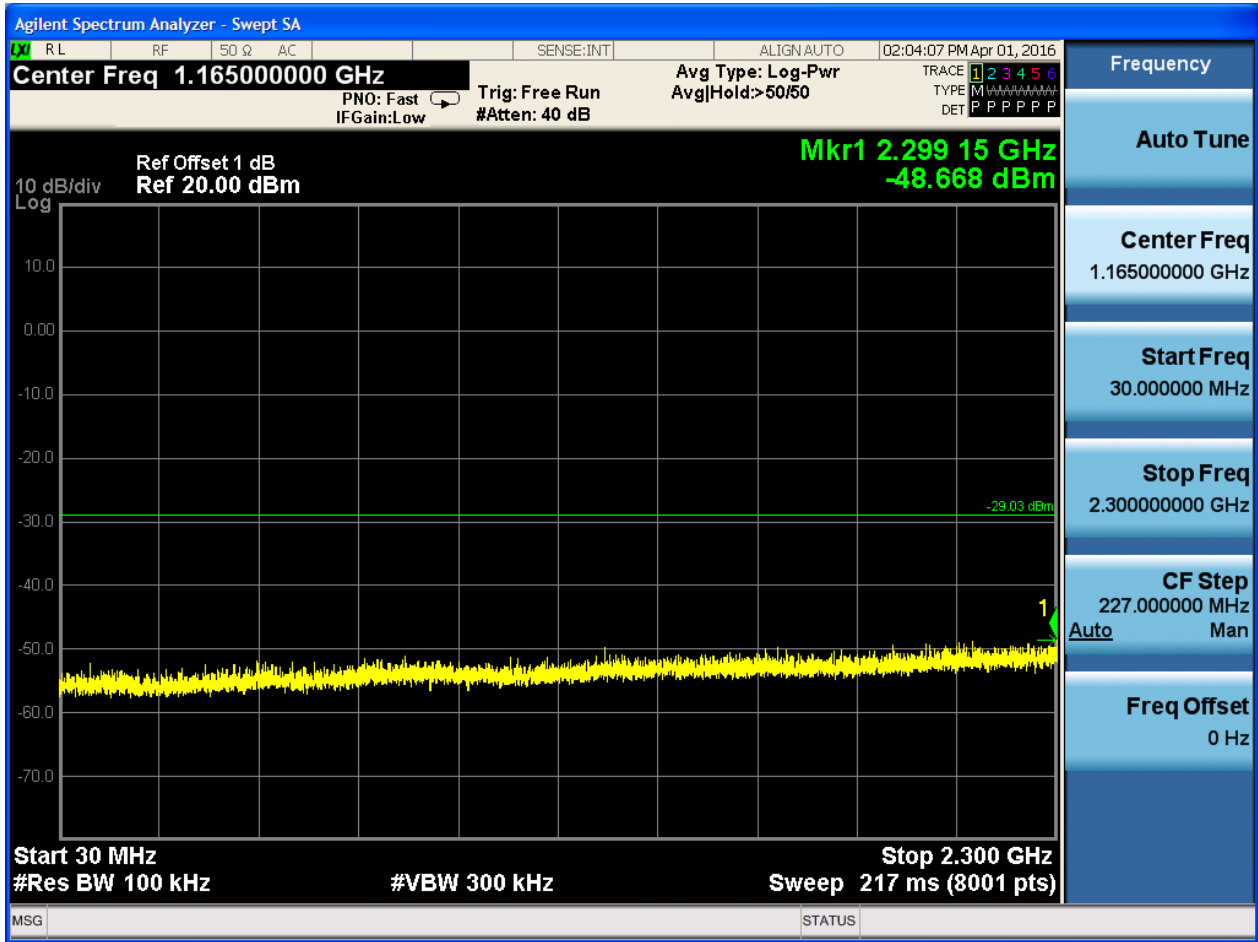


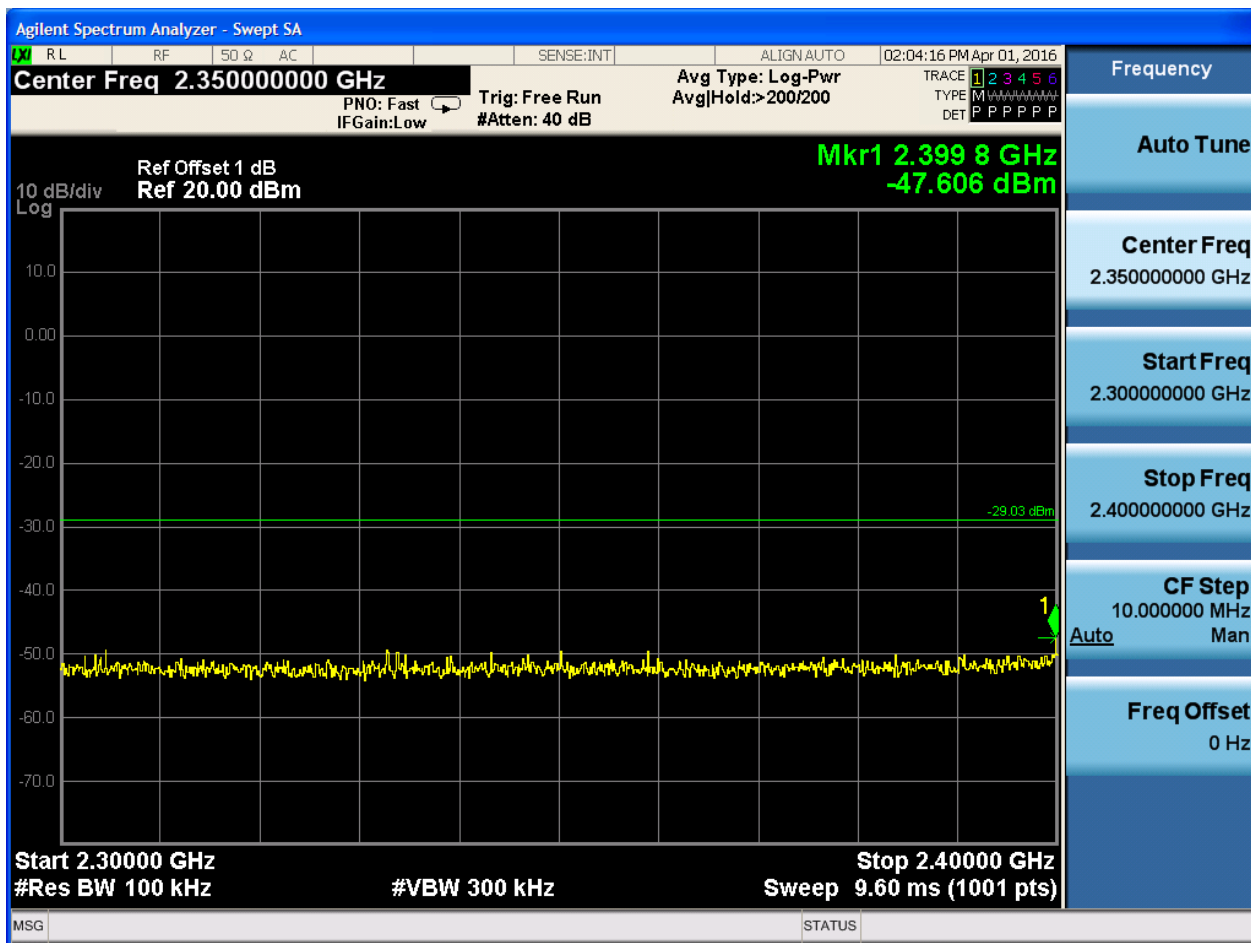


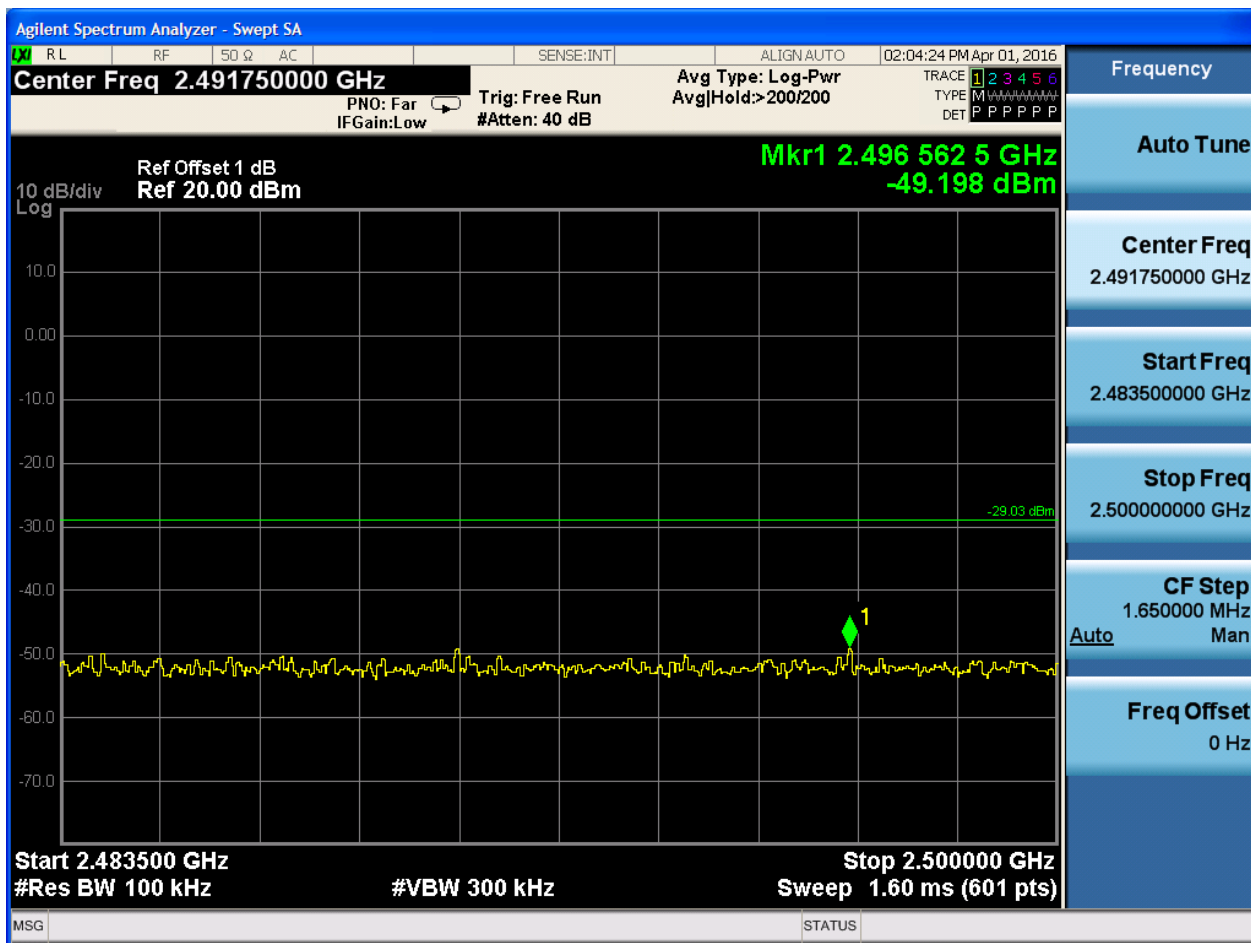
PuW:









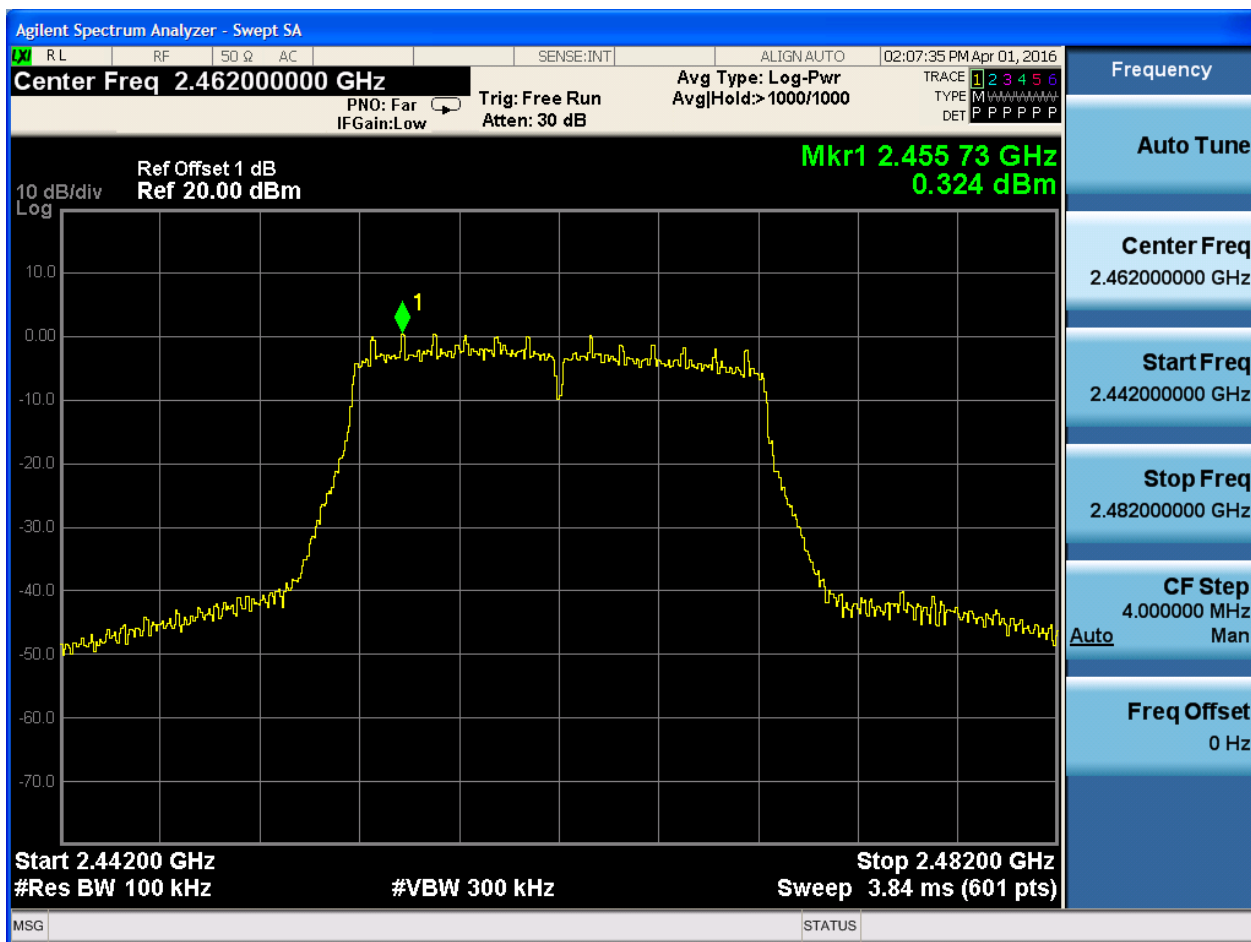






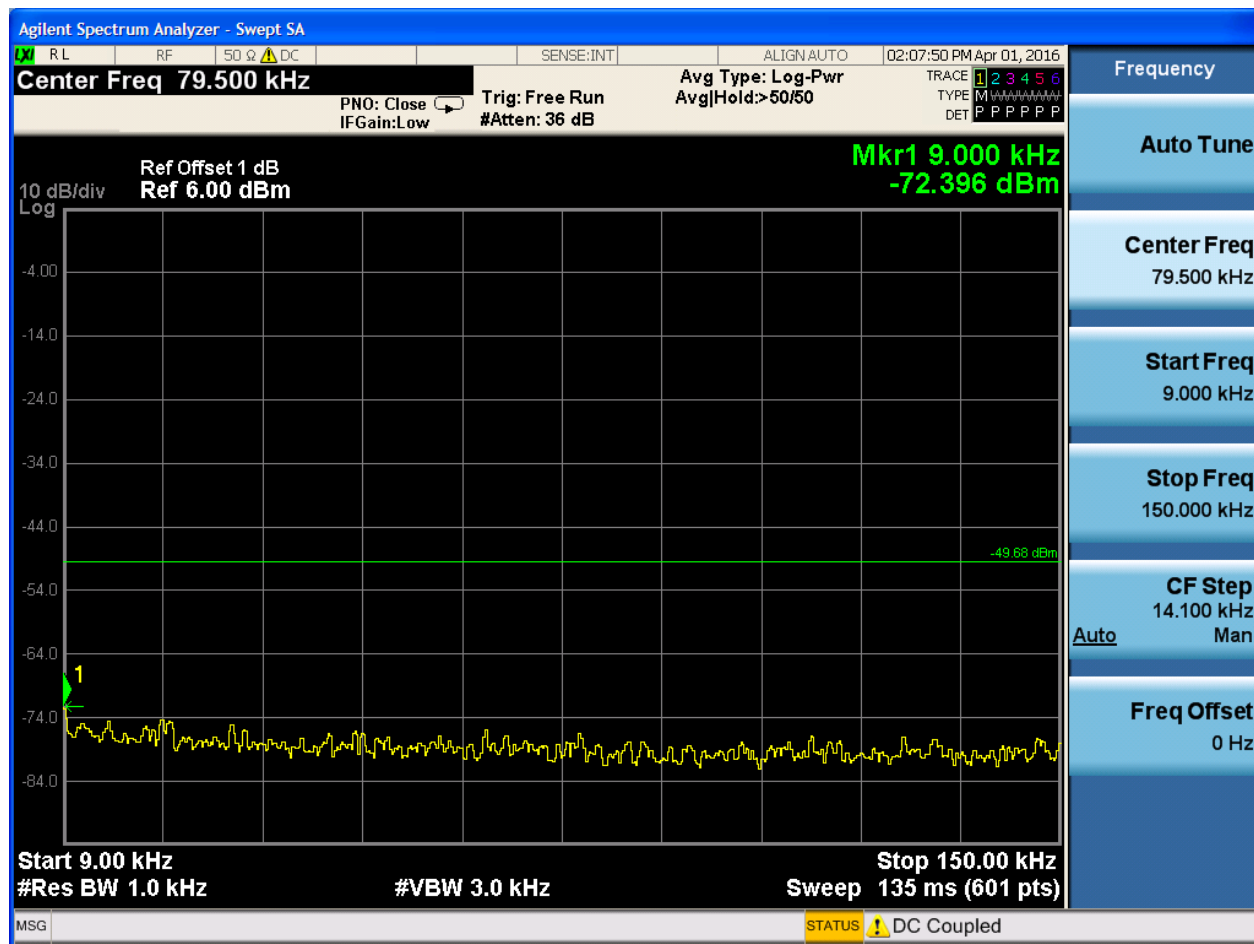
2.6 11G_H@Ant 1

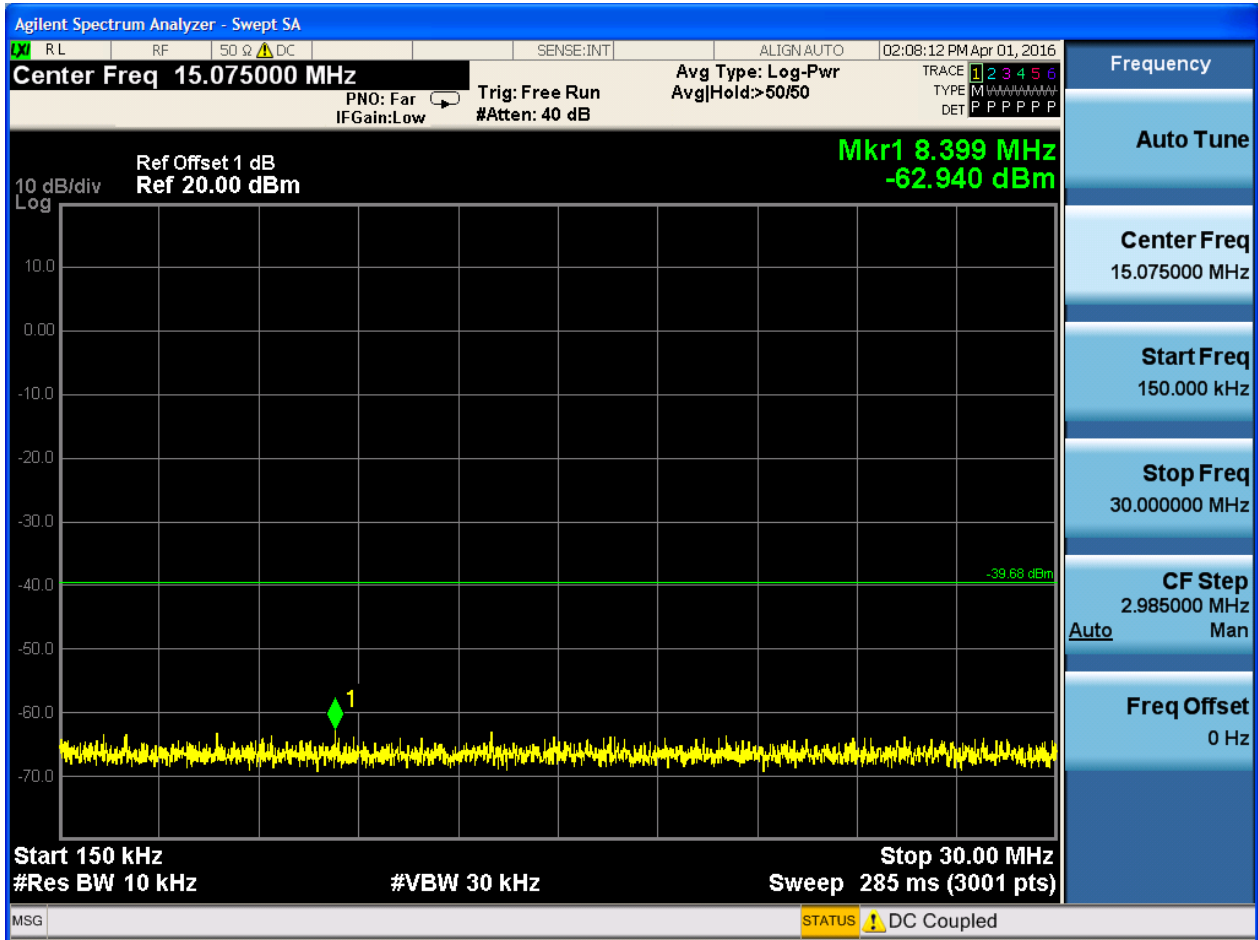
Pref:

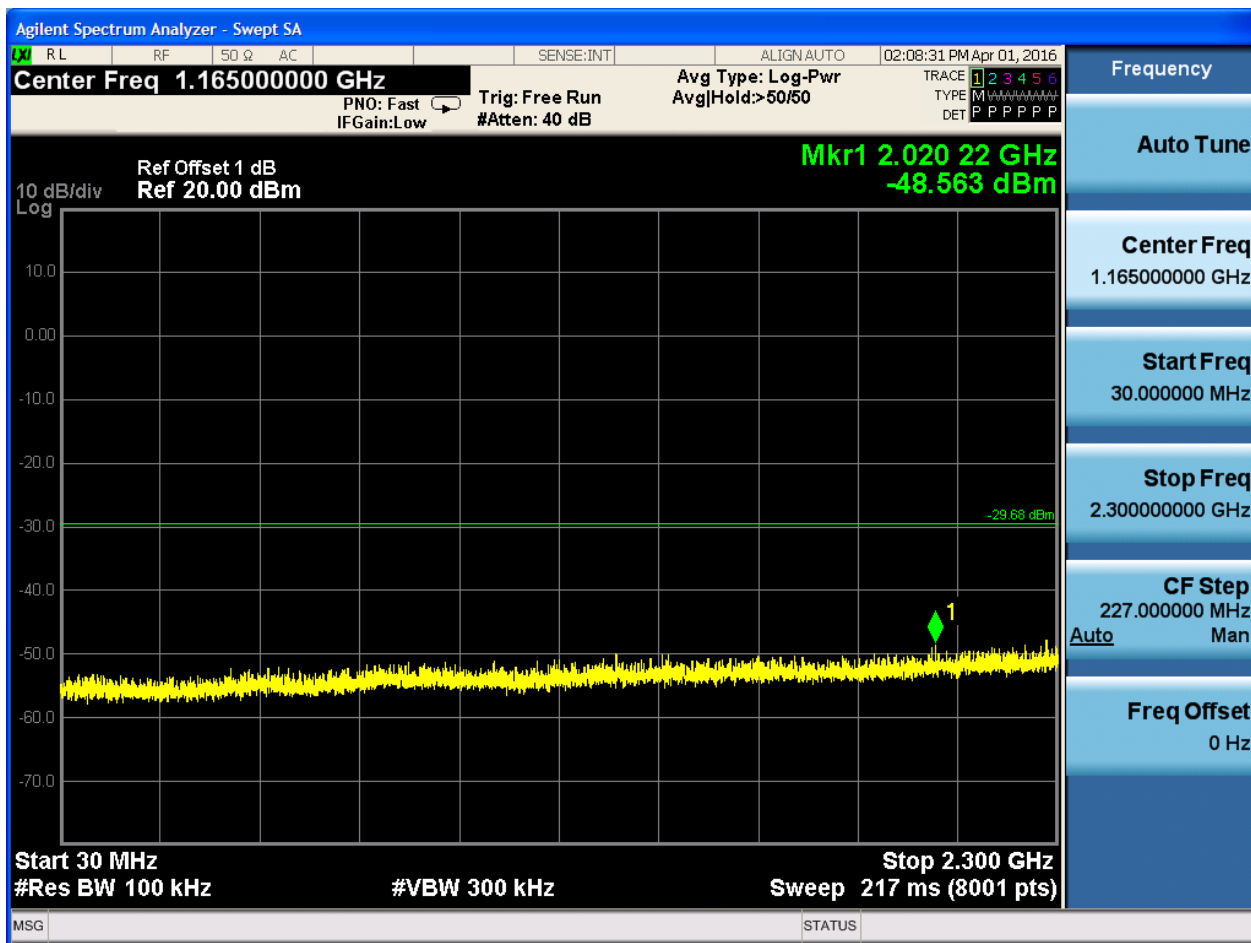


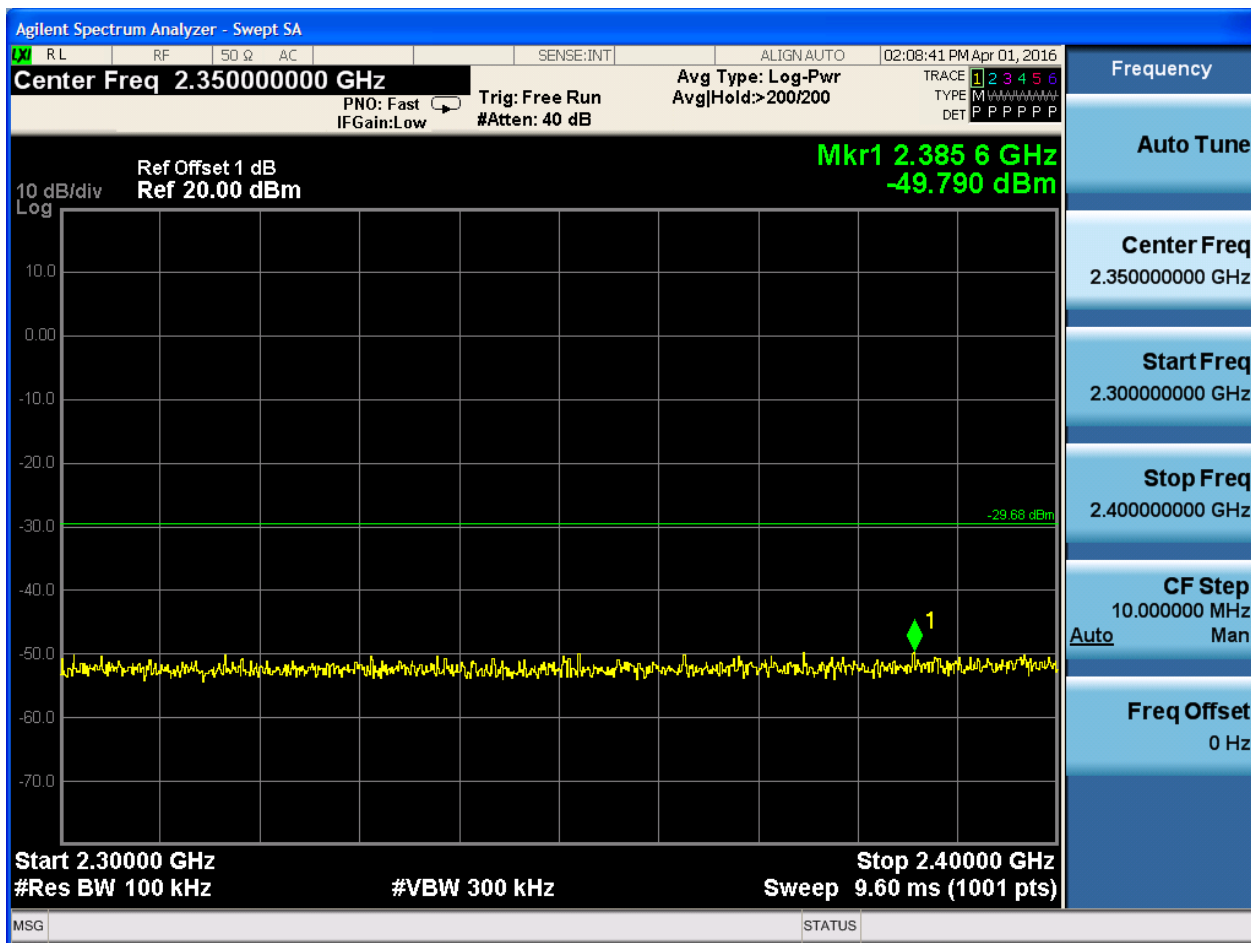


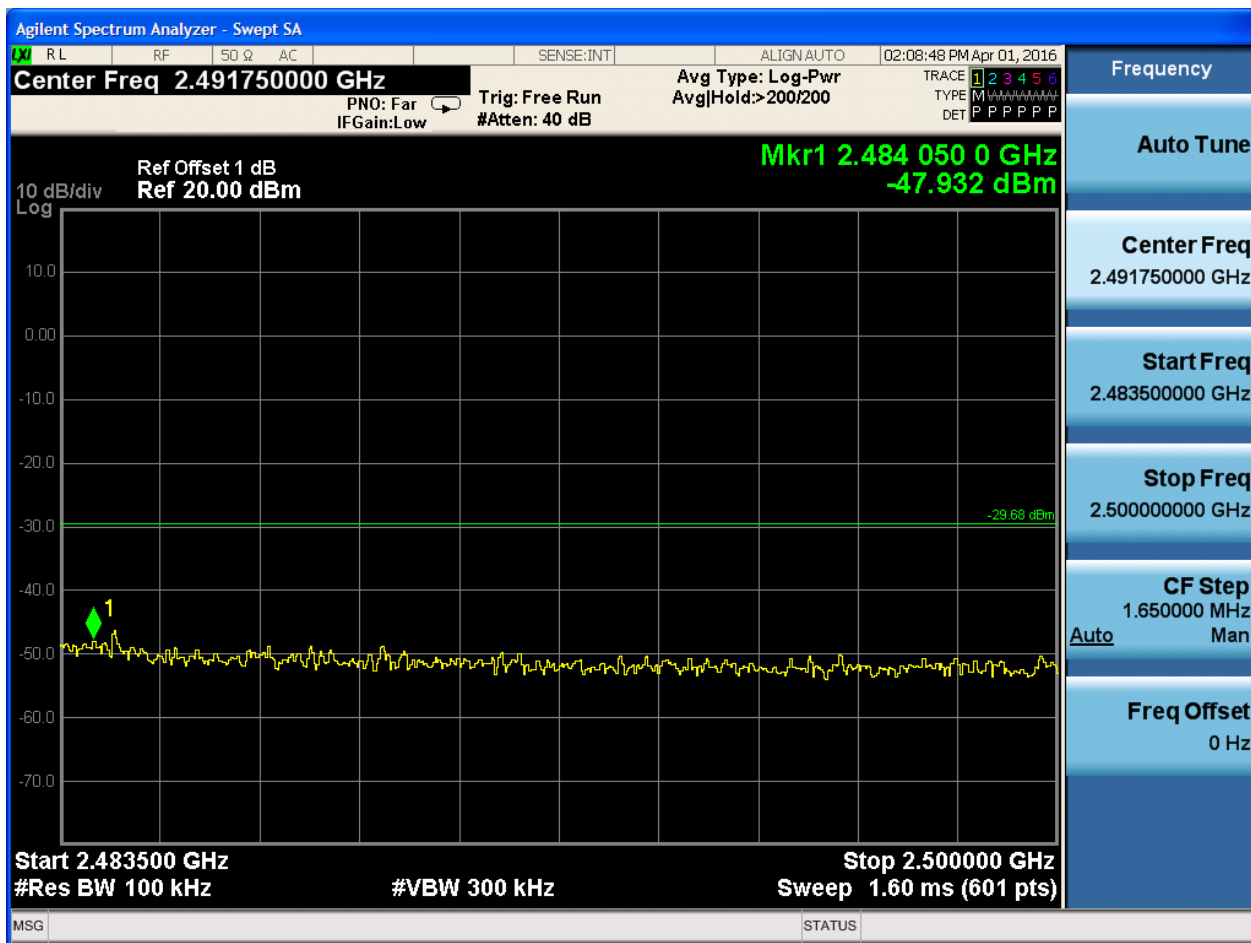
Puw:









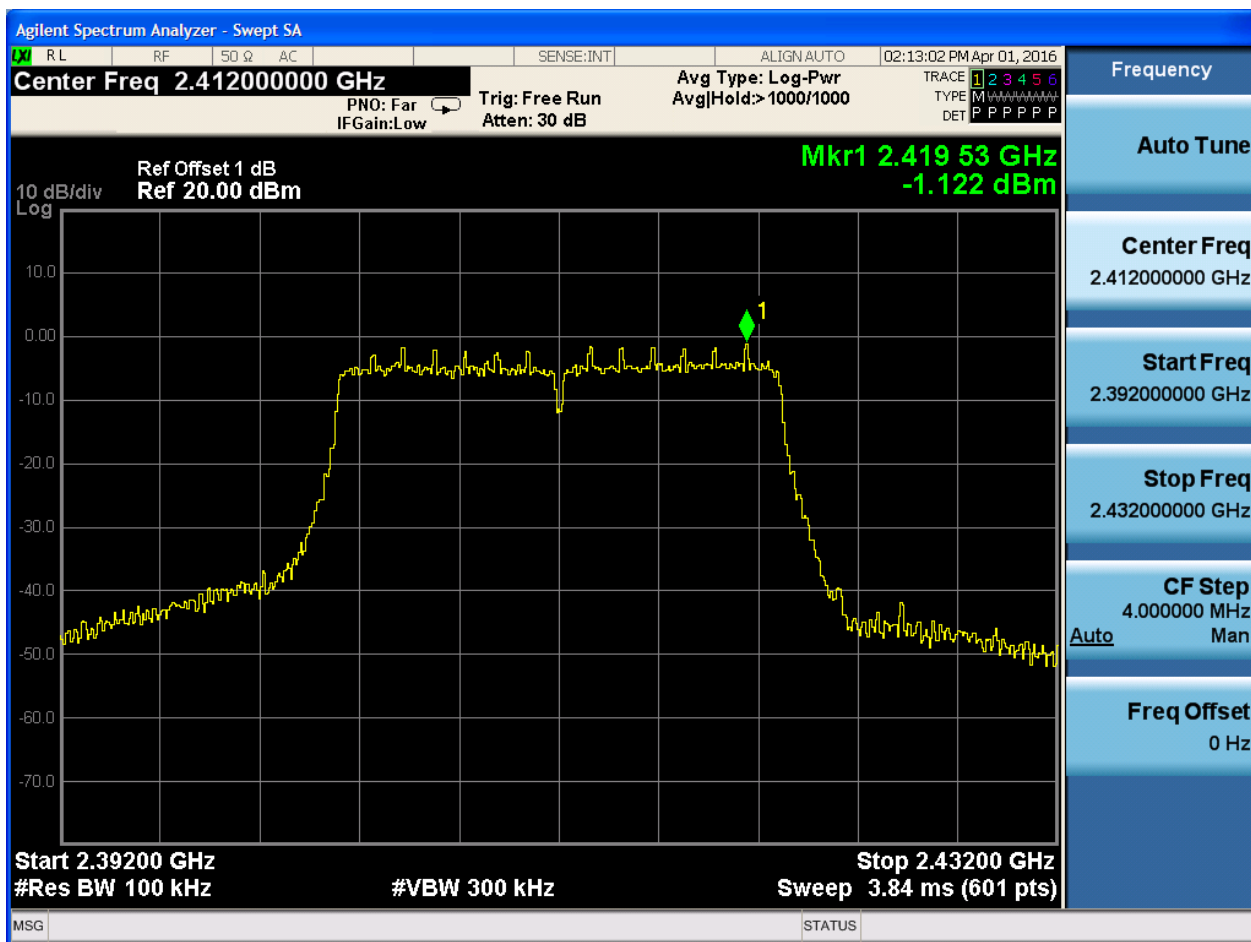






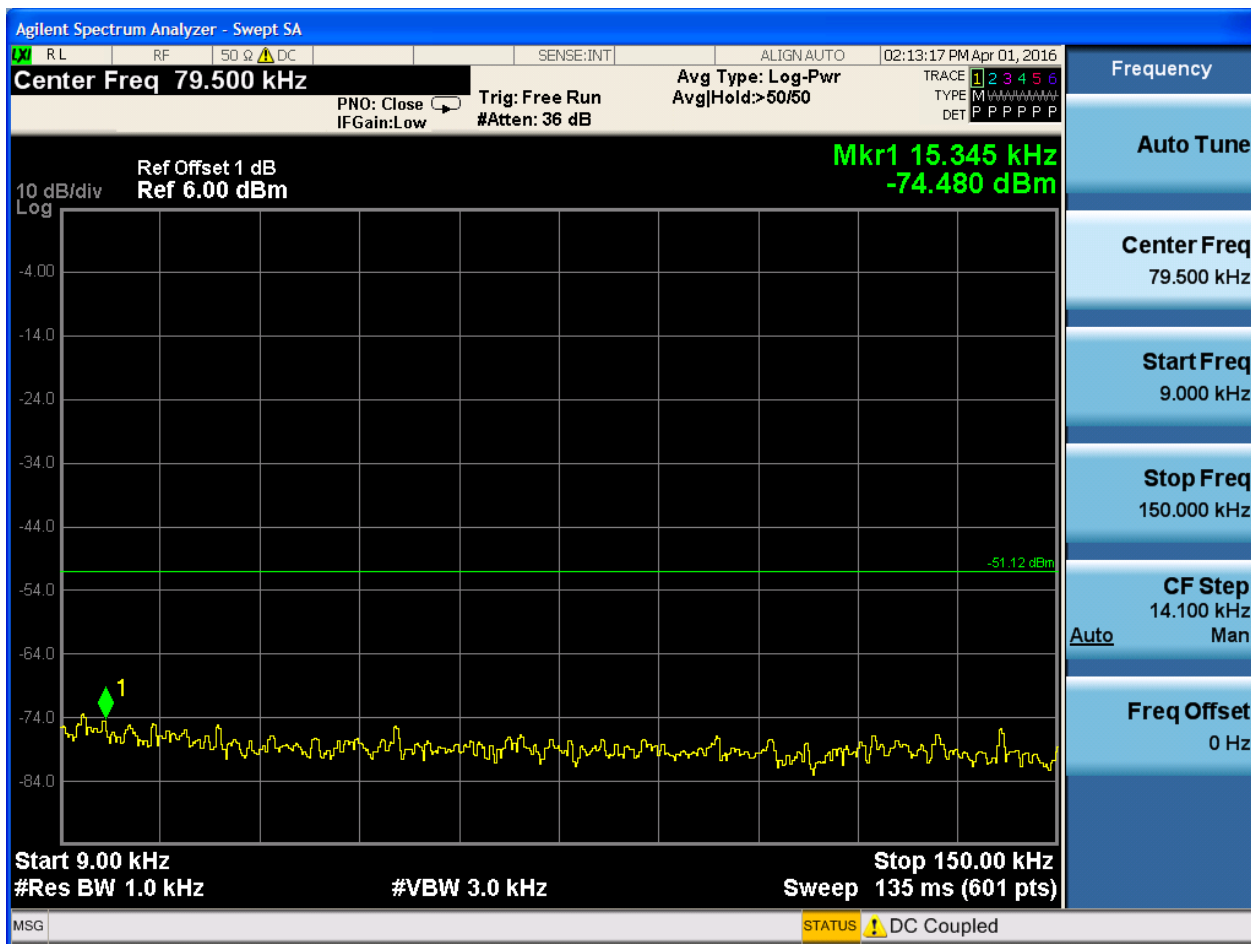
2.7 11N20_L@Ant 1

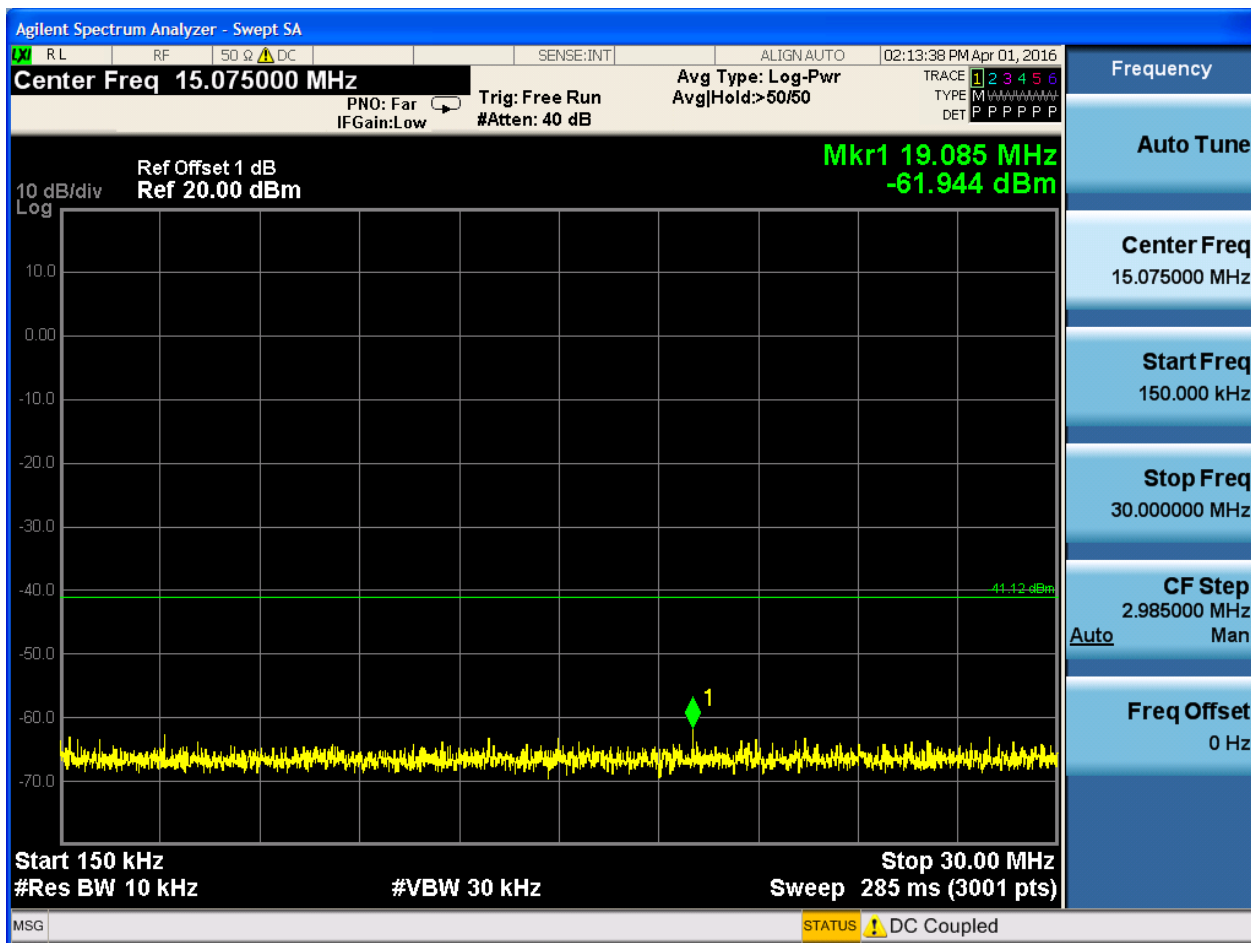
Pref:



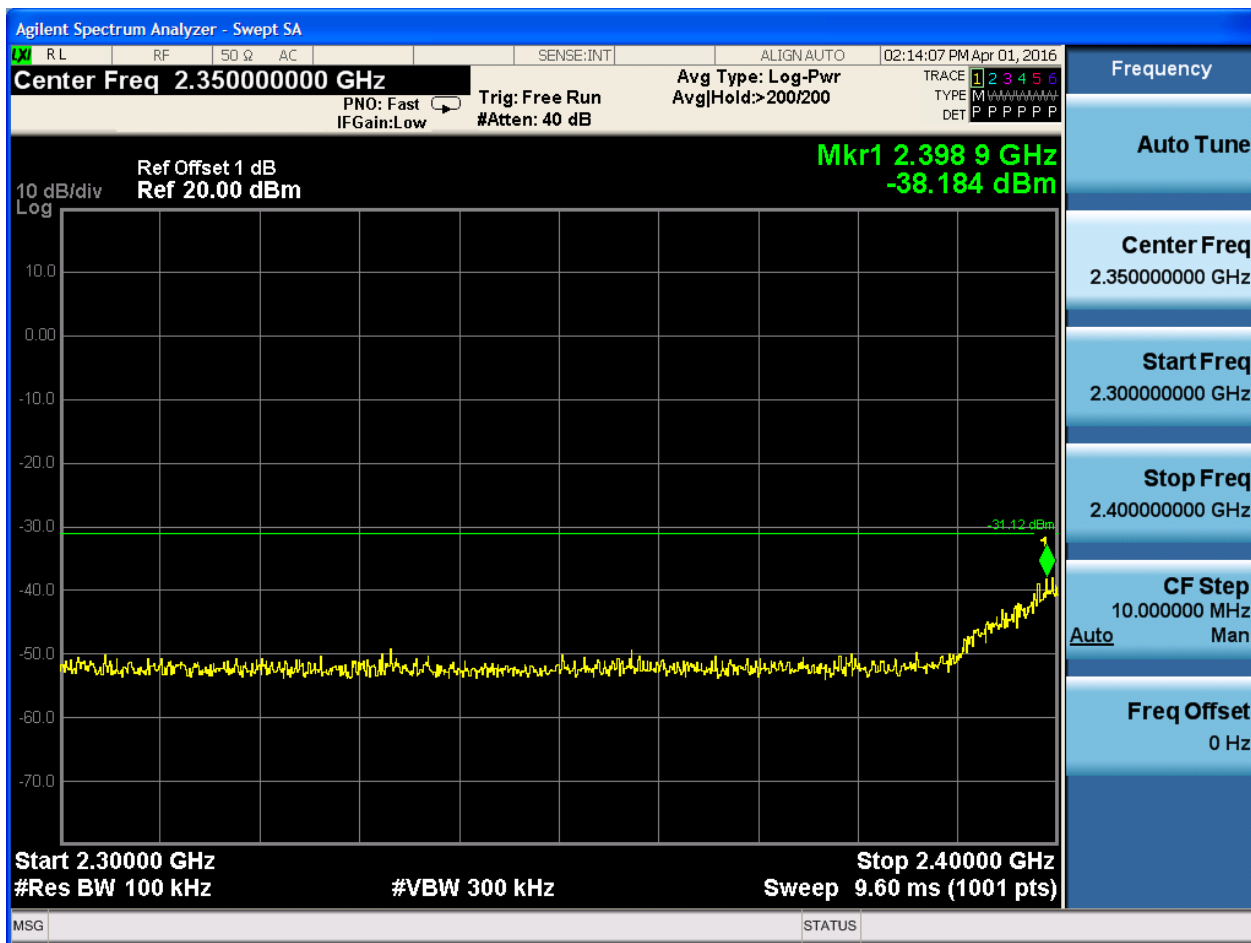


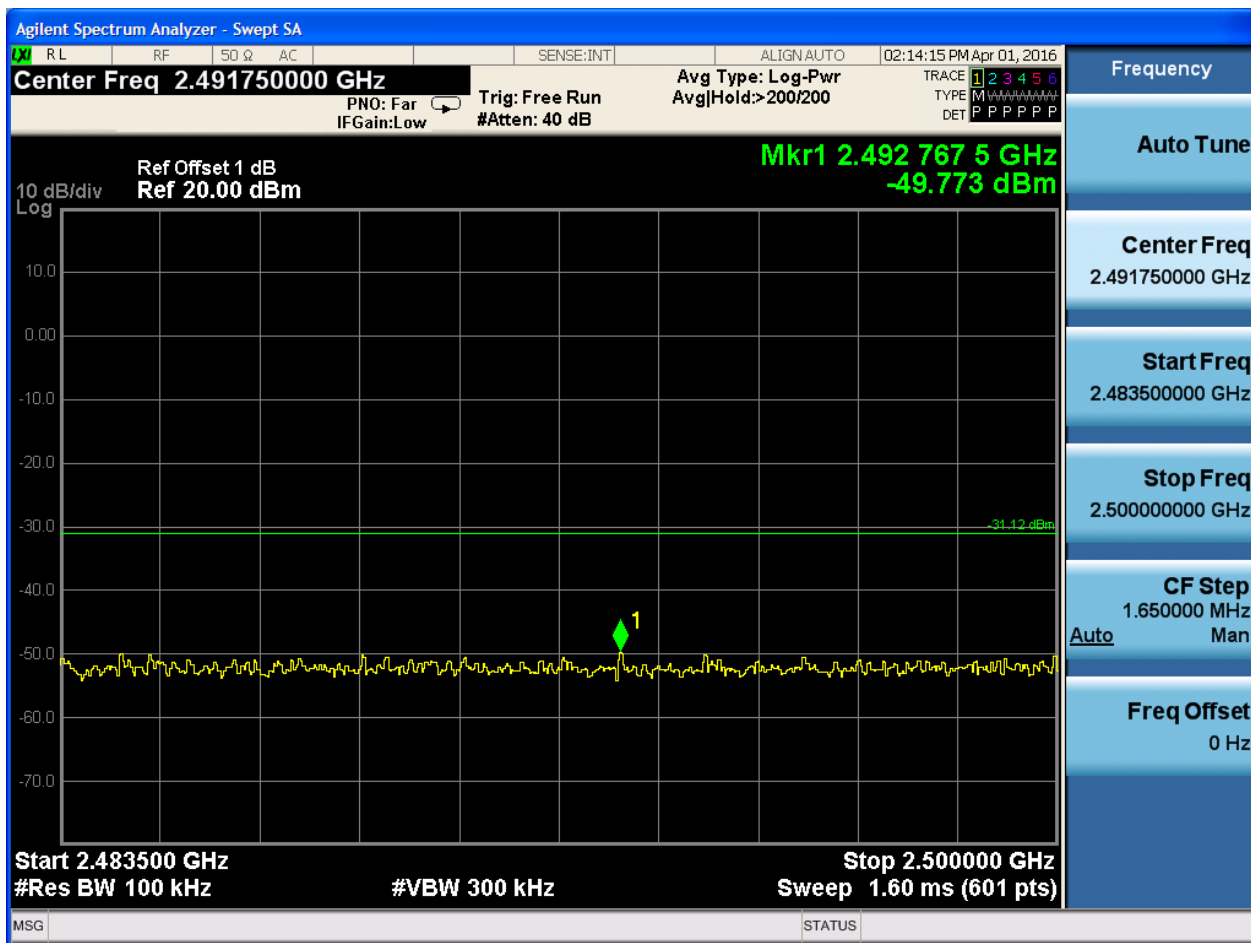
Puw:









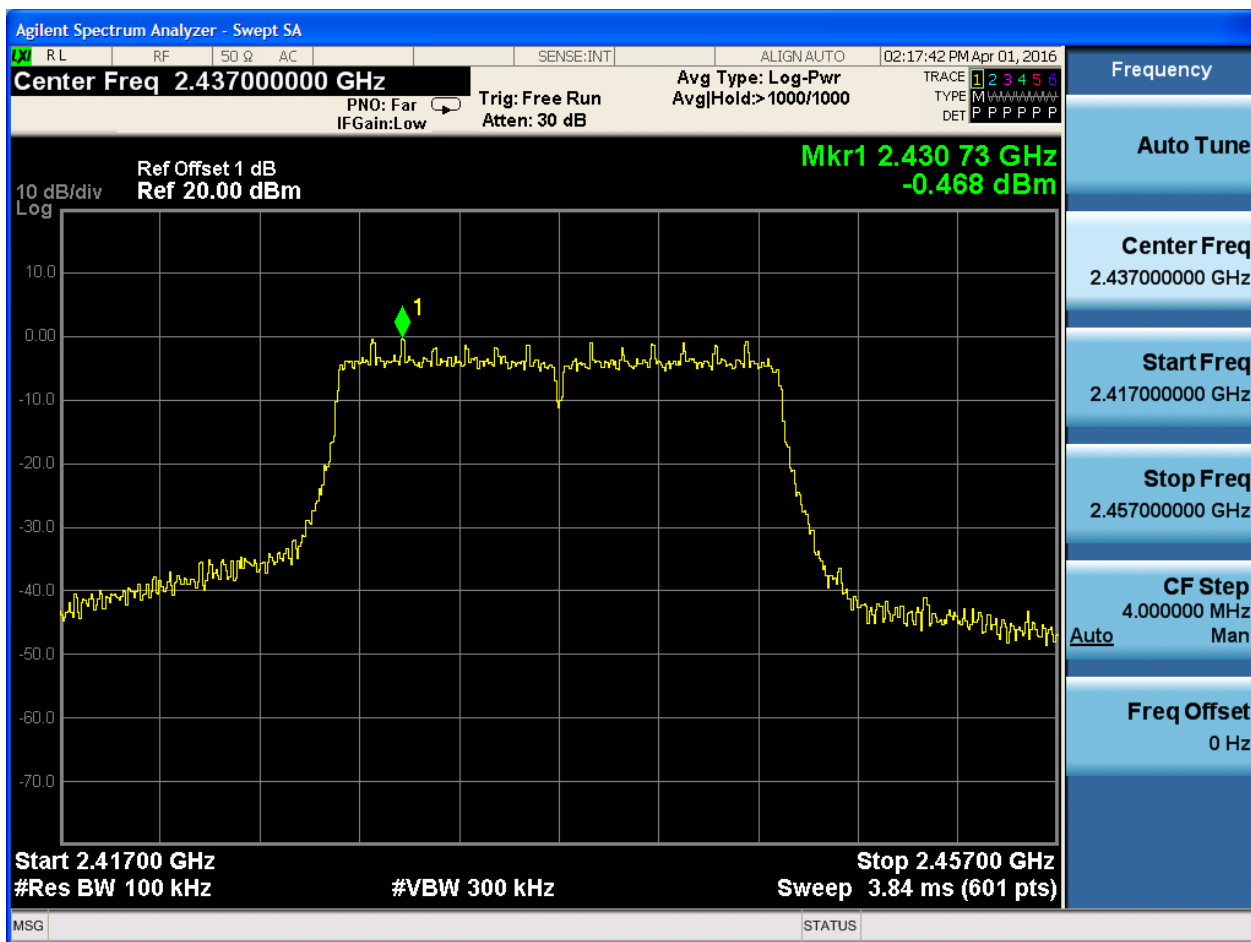






2.8 11N20_M@Ant 1

Pref:





Puw:

