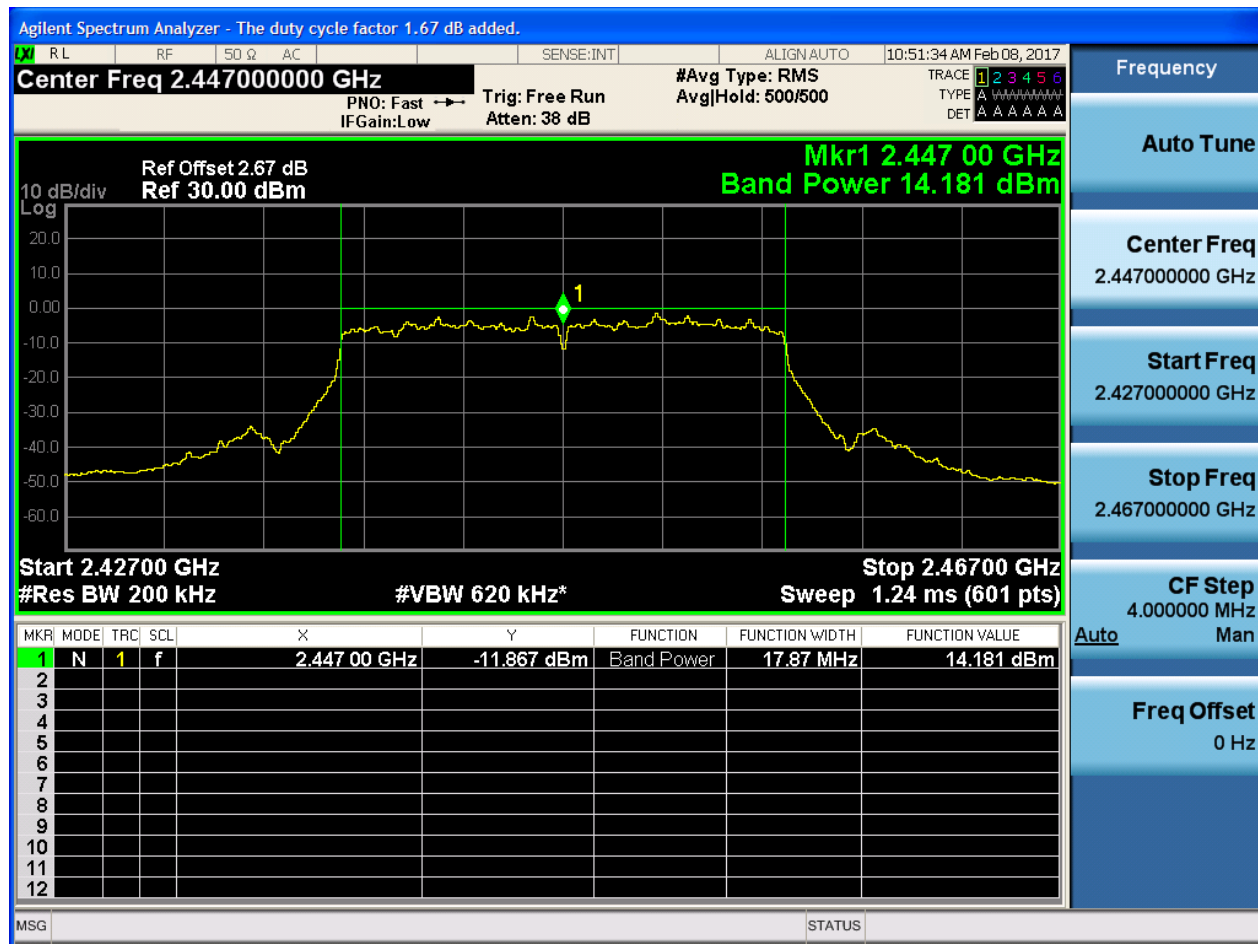


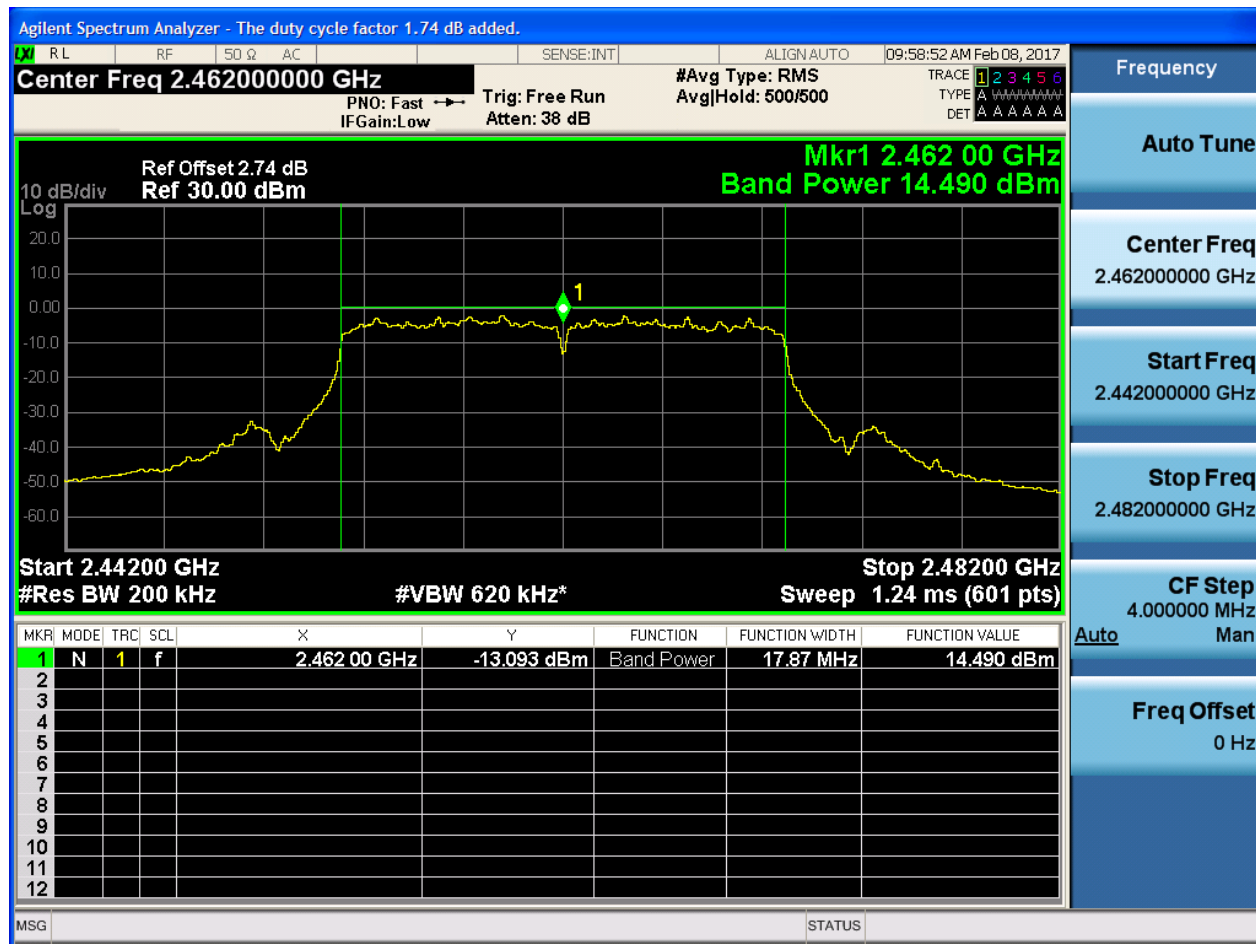


2.22 11N20m_M@Ant 2



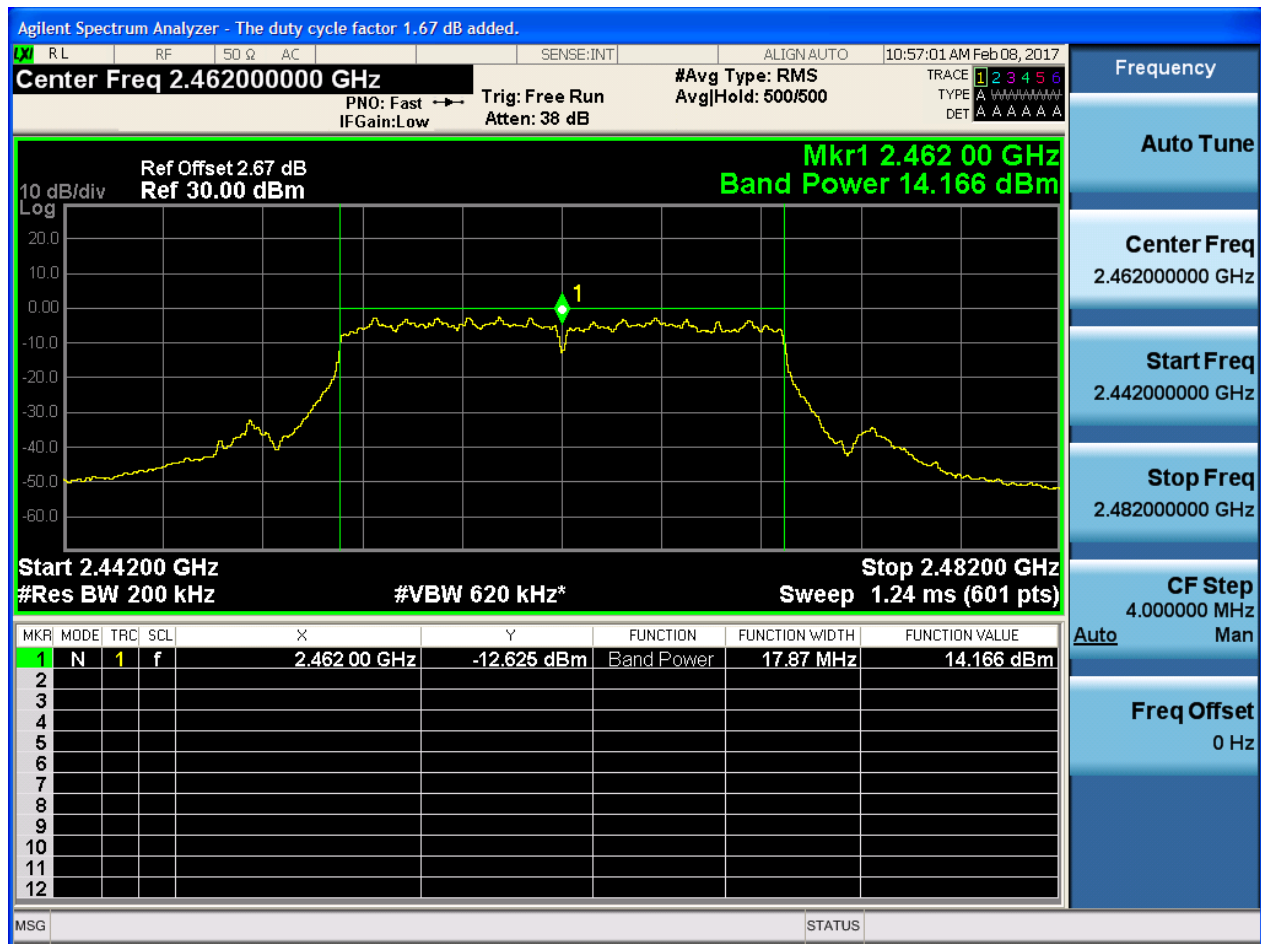


2.23 11N20m_H@Ant 1



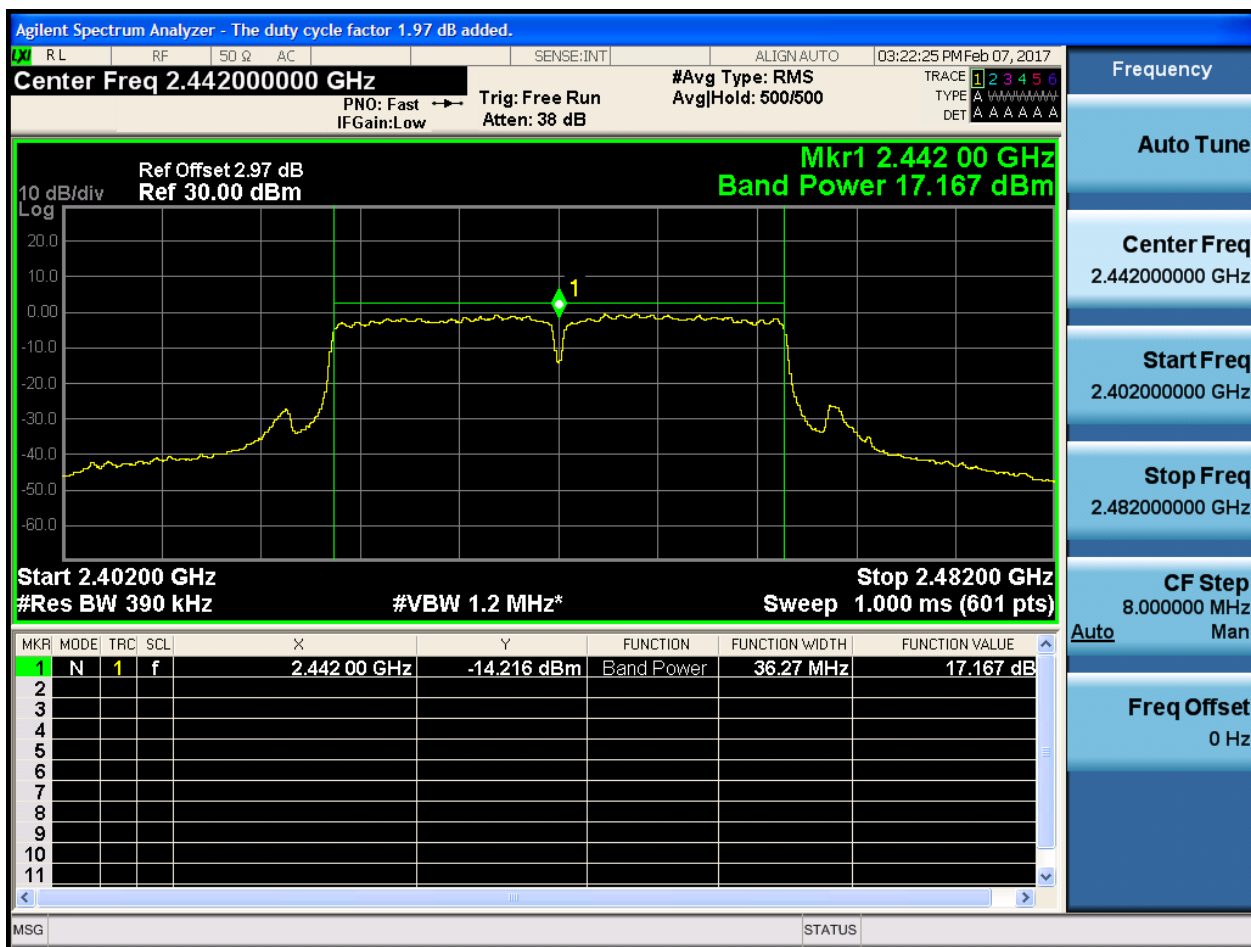


2.24 11N20m_H@Ant 2



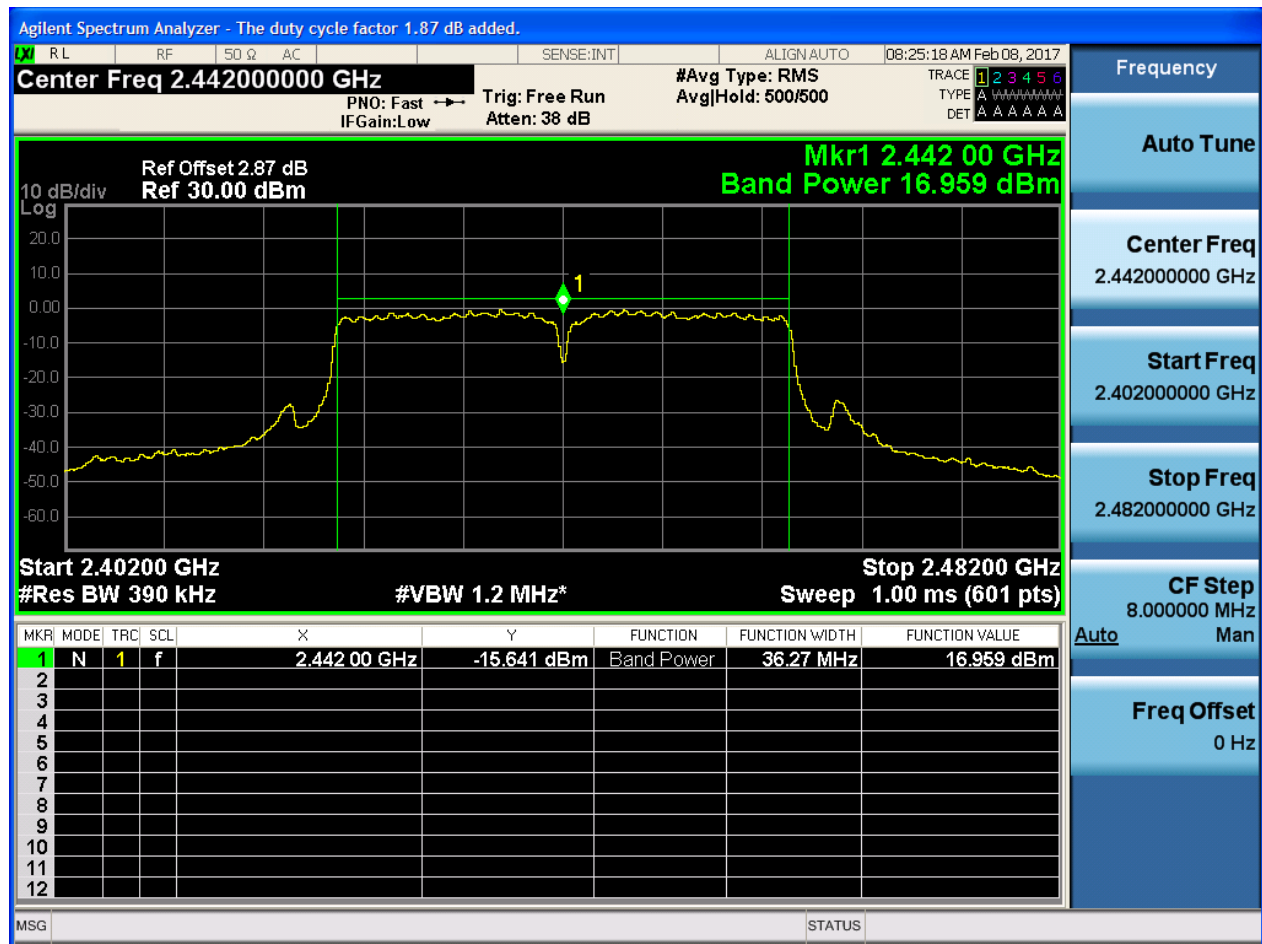


2.25 11N40_L@Ant 1



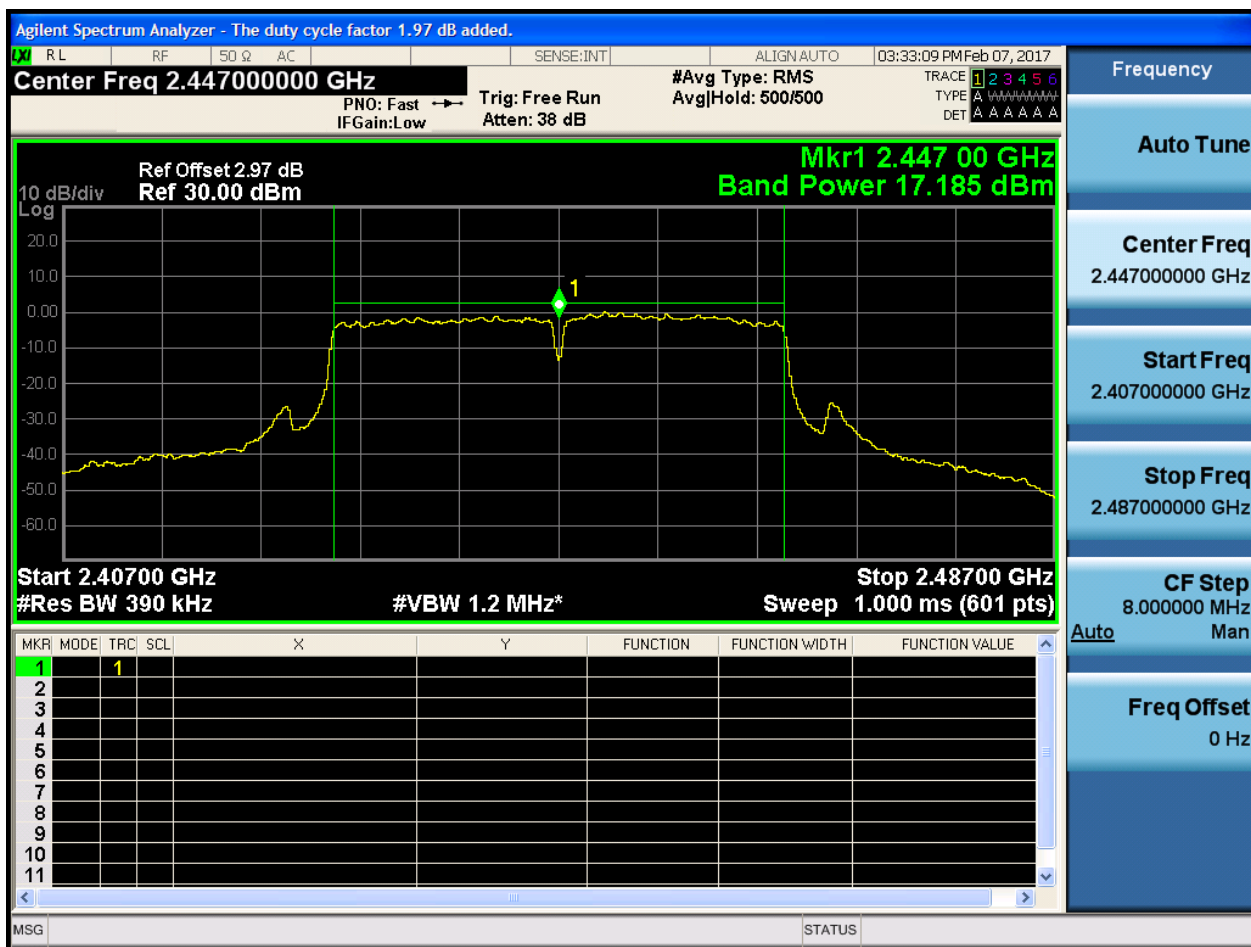


2.26 11N40_L@Ant 2



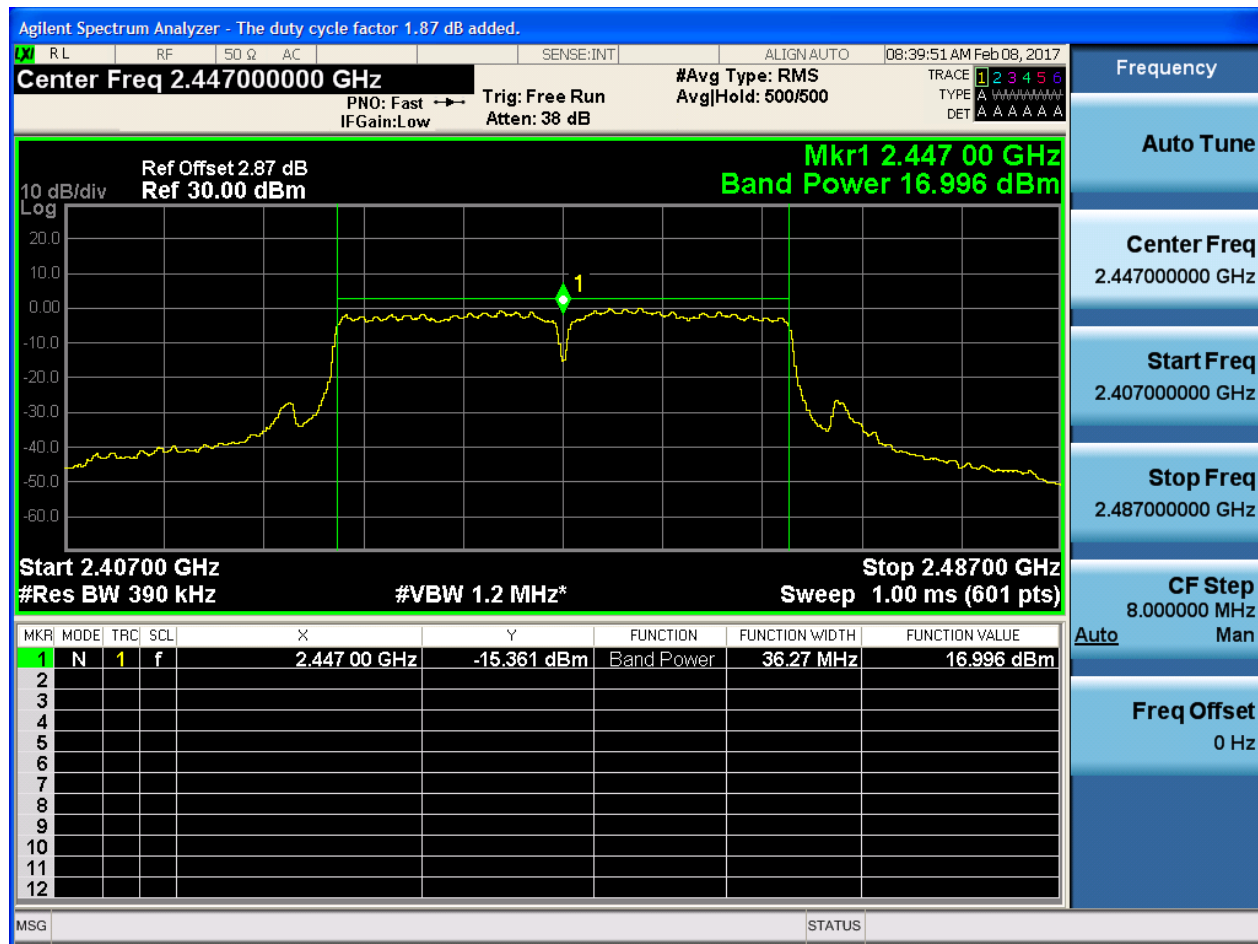


2.27 11N40_M@Ant 1



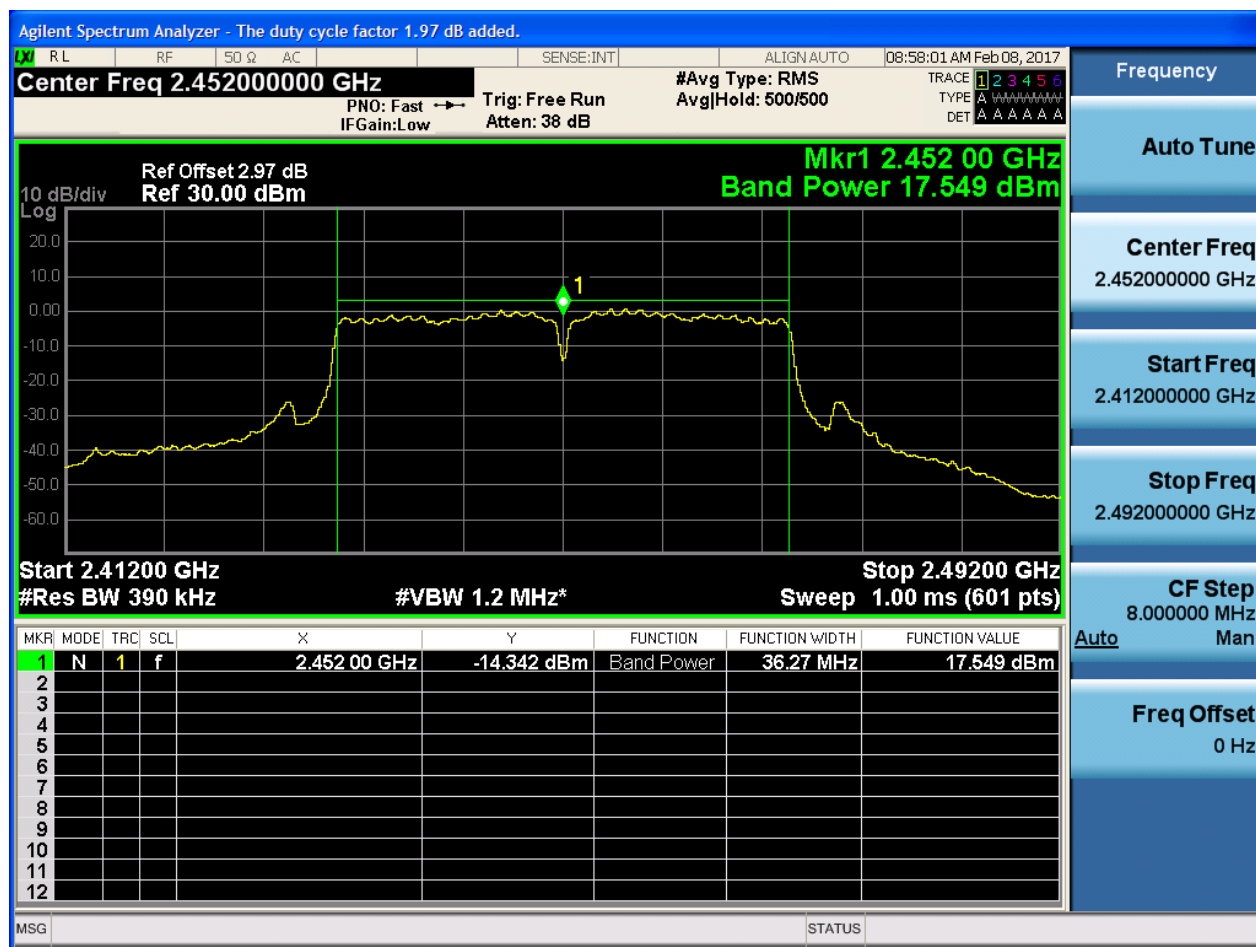


2.28 11N40_M@Ant 2



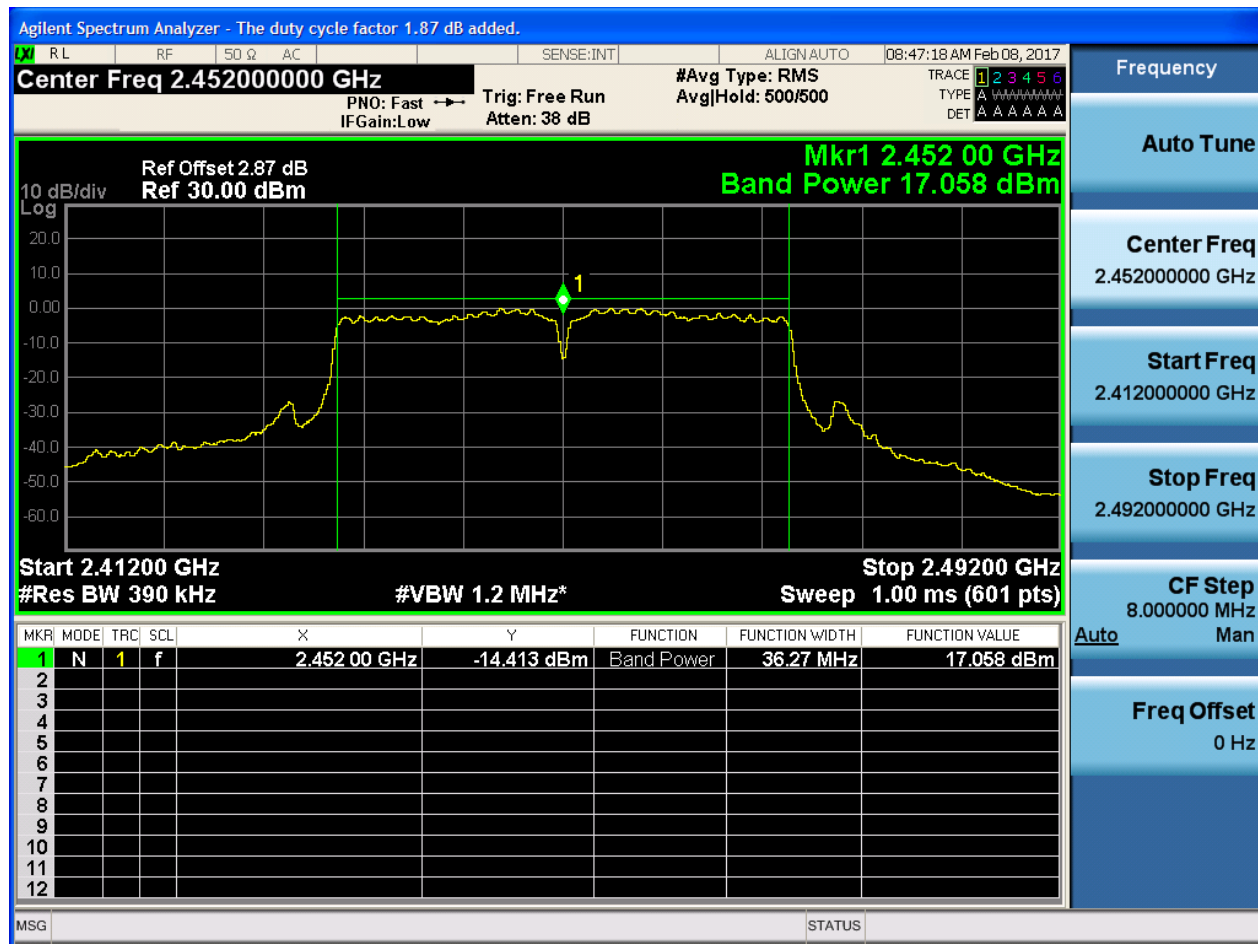


2.29 11N40_H@Ant 1



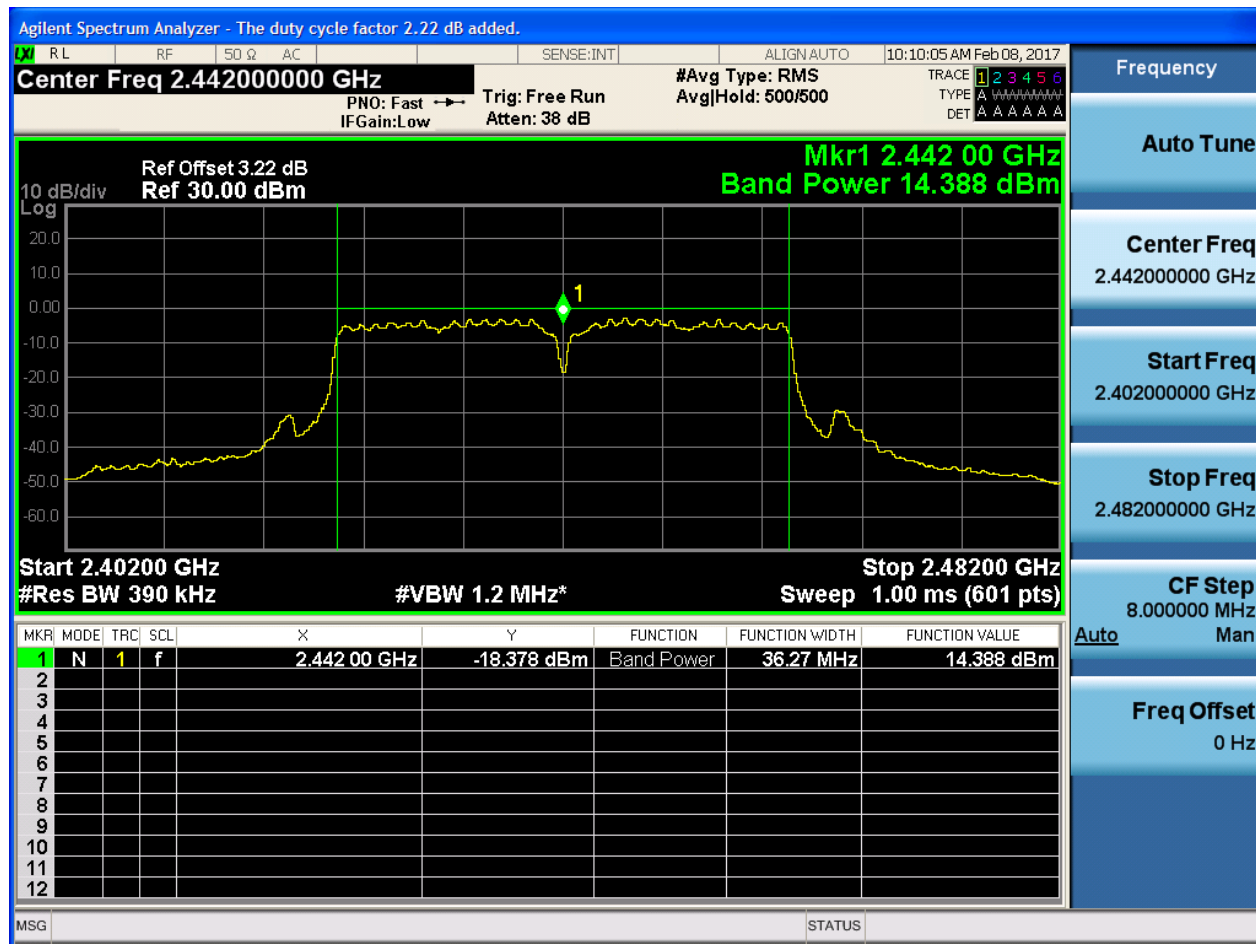


2.30 11N40_H@Ant 2



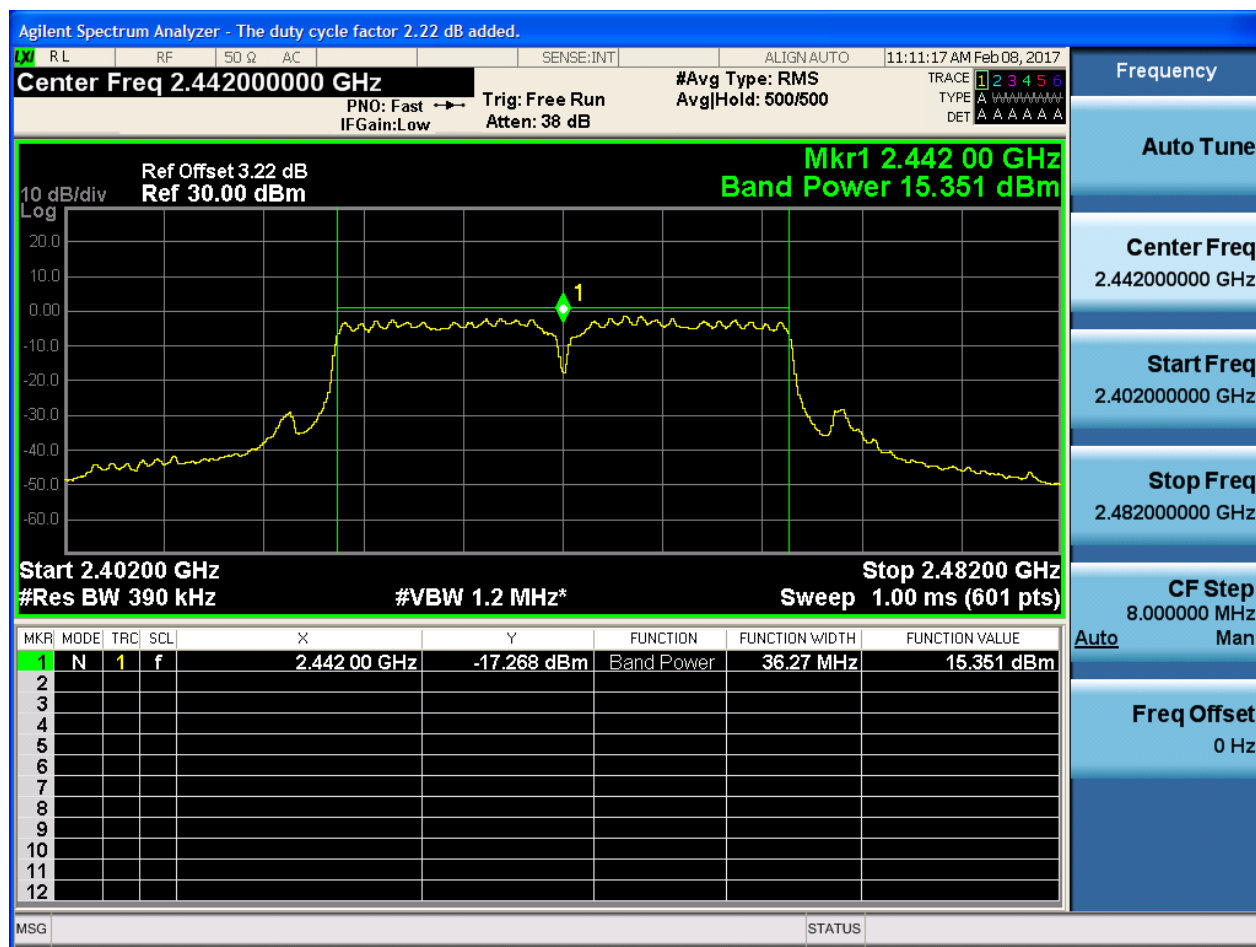


2.31 11N40m_L@Ant 1



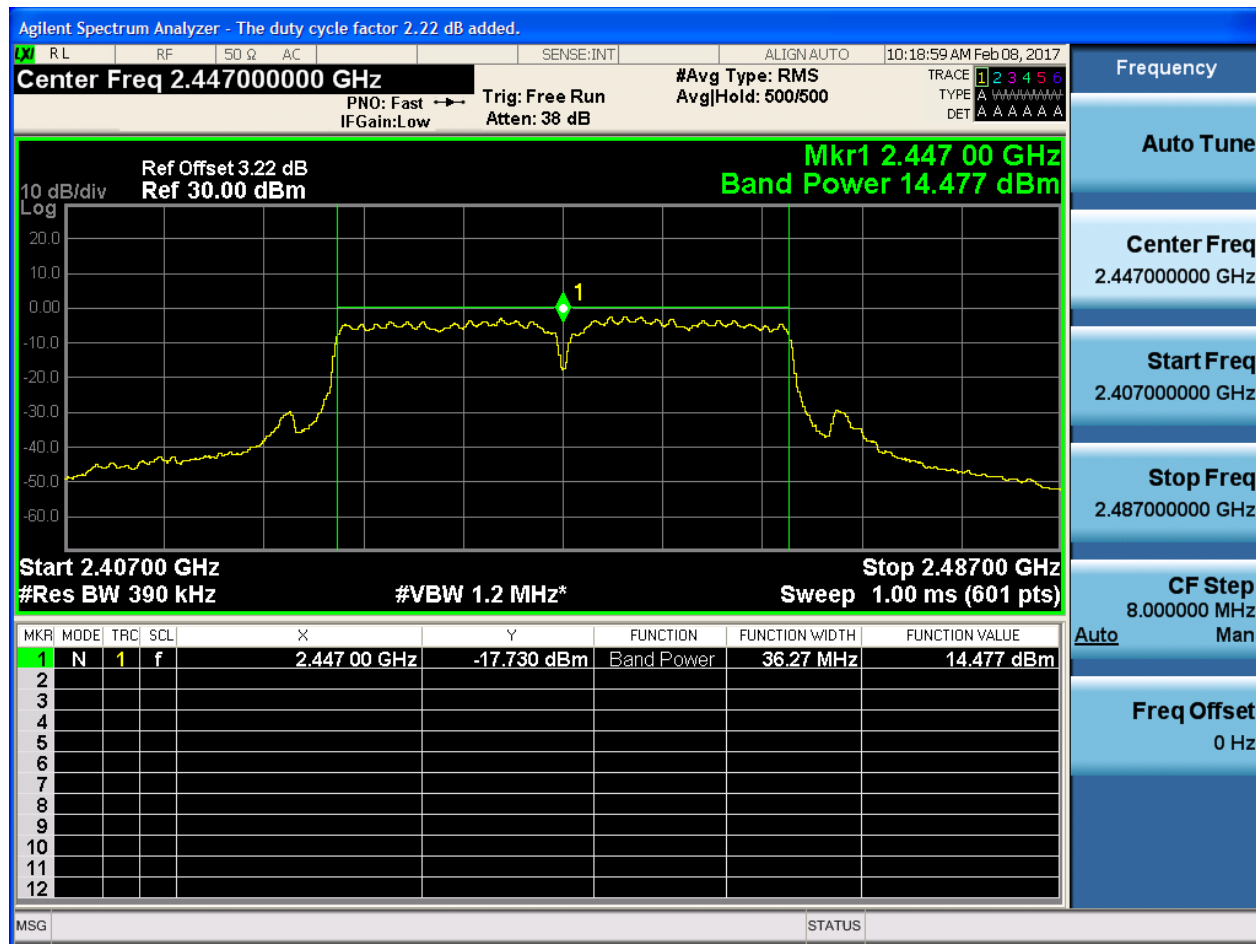


2.32 11N40m_L@Ant 2



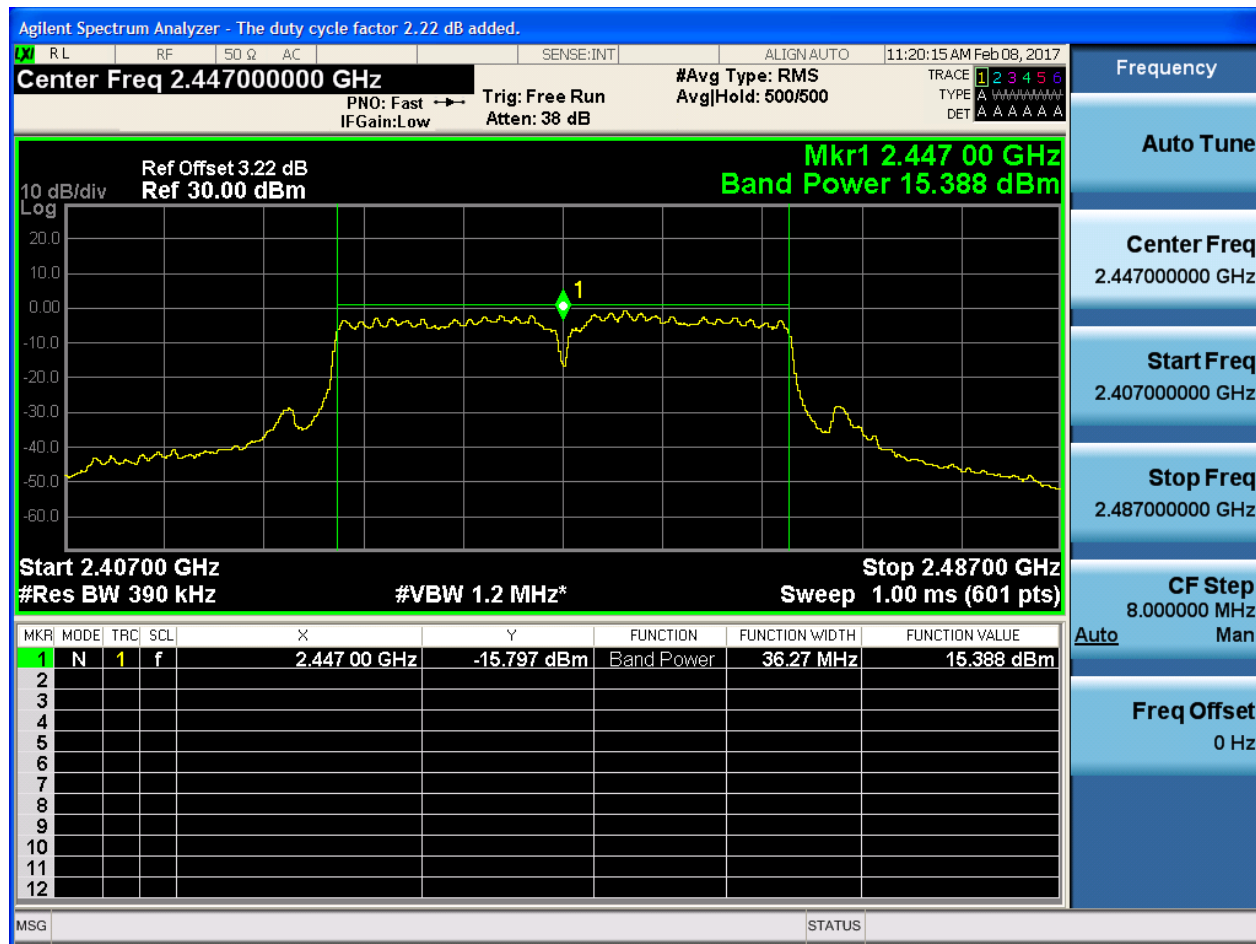


2.33 11N40m_M@Ant 1



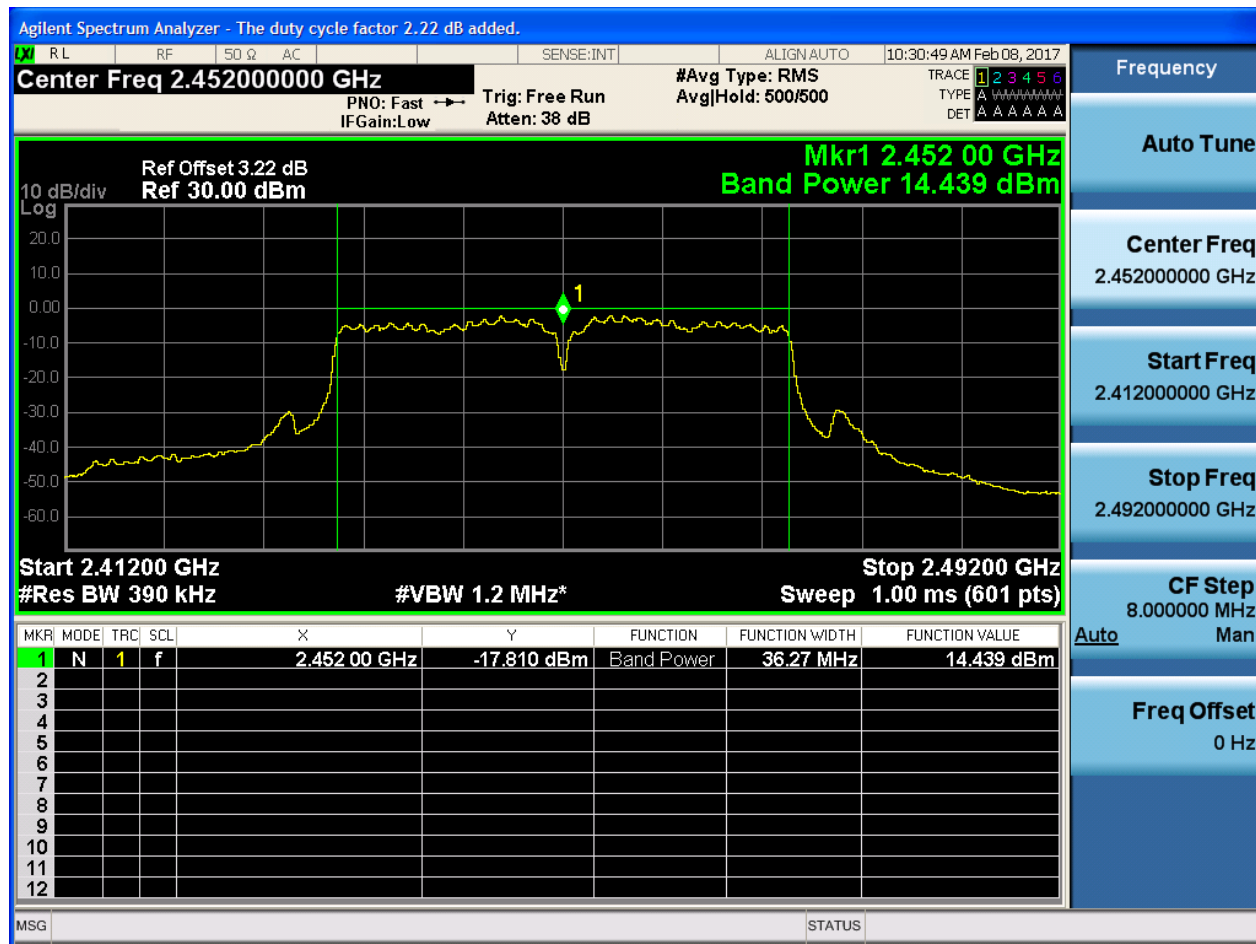


2.34 11N40m_M@Ant 2



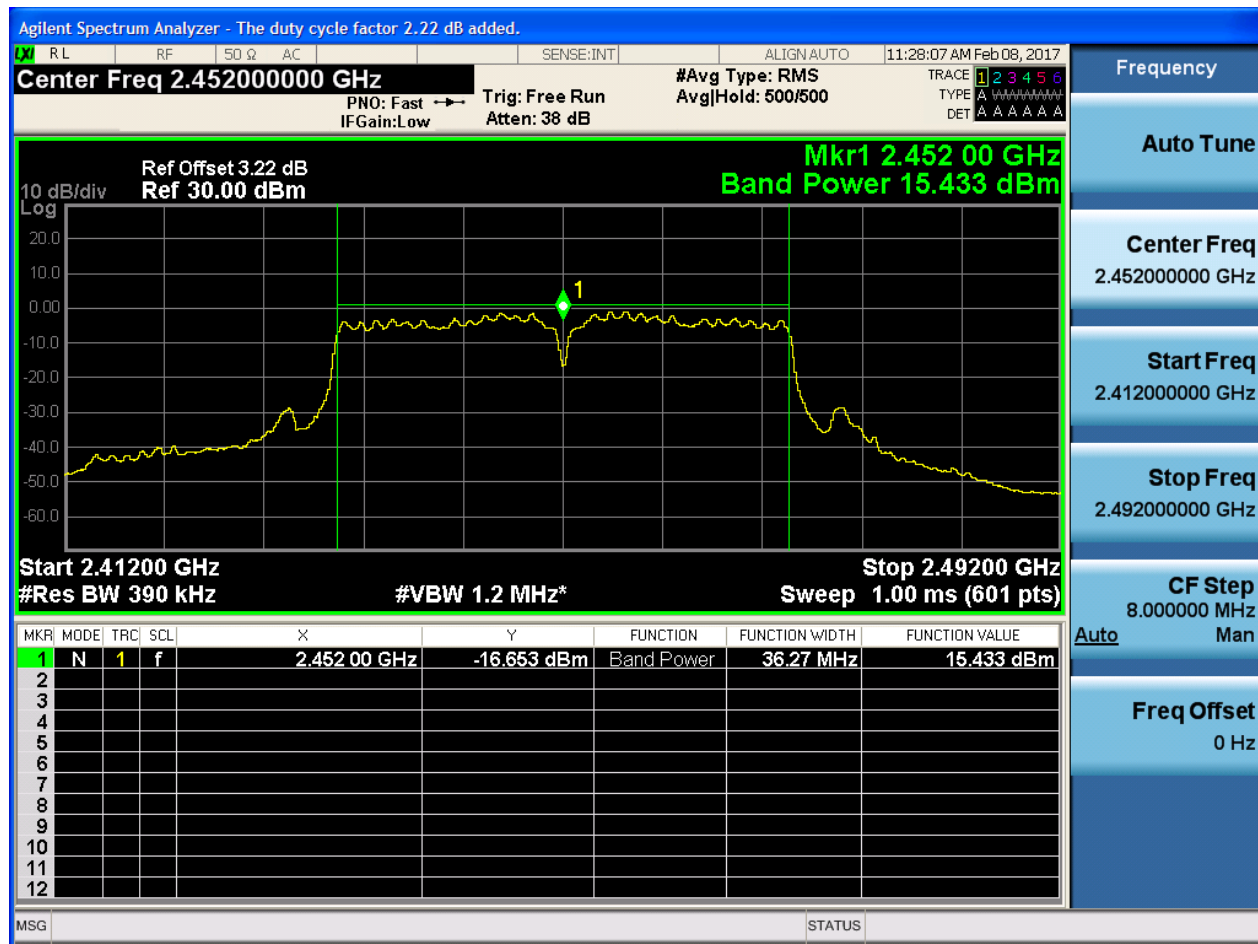


2.35 11N40m_H@Ant 1





2.36 11N40m_H@Ant 2



Appendix E: Maximum Power Spectral Density Level

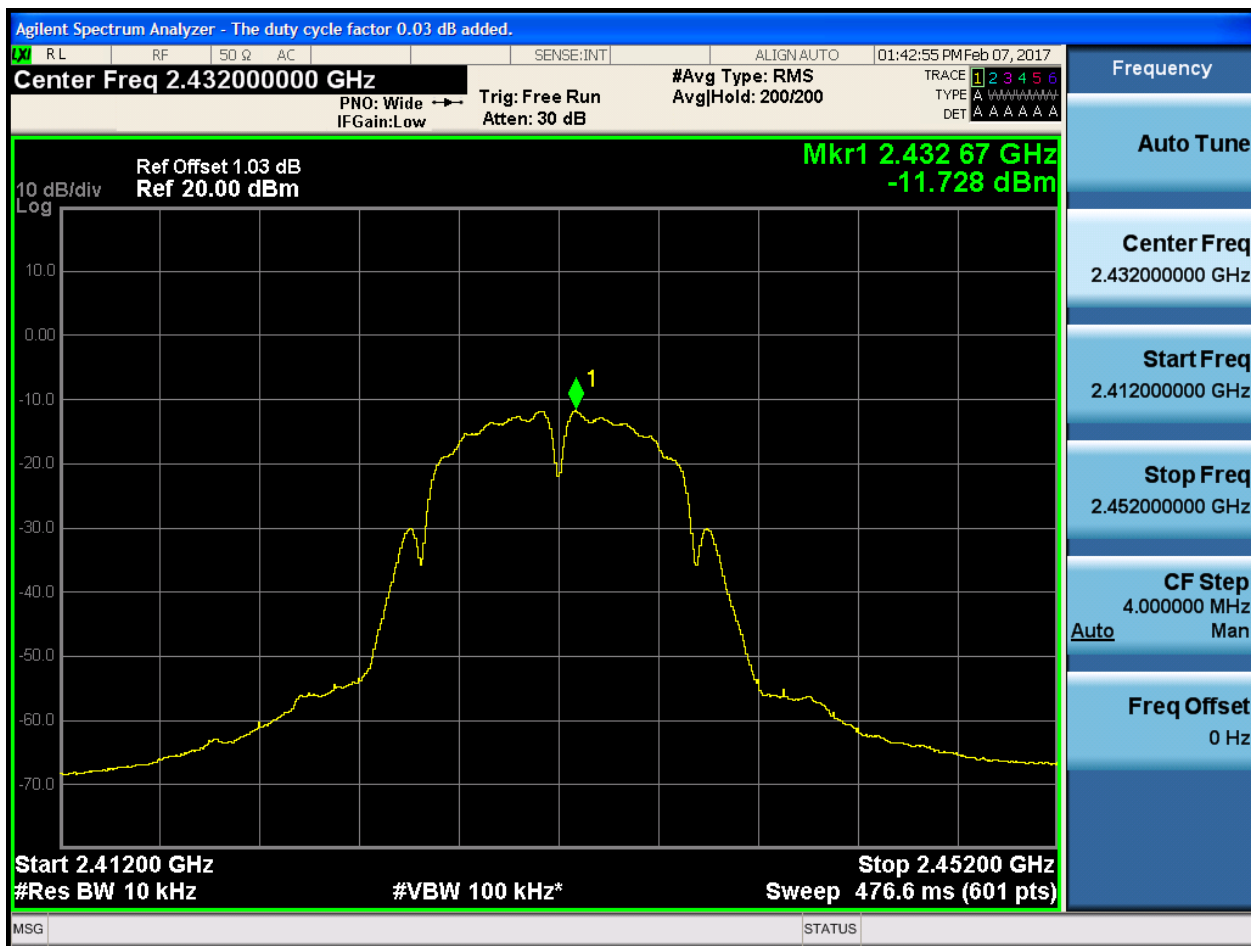
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11B	L	2432	Ant 1	-11.73	pass
11B	L	2432	Ant 2	-11.41	pass
11B	M	2447	Ant 1	-11.12	pass
11B	M	2447	Ant 2	-11.08	pass
11B	H	2462	Ant 1	-10.98	pass
11B	H	2462	Ant 2	-11.26	pass
11G	L	2432	Ant 1	-13.59	pass
11G	L	2432	Ant 2	-13.39	pass
11G	M	2447	Ant 1	-12.71	pass
11G	M	2447	Ant 2	-13.15	pass
11G	H	2462	Ant 1	-12.83	pass
11G	H	2462	Ant 2	-13.27	pass
11N20	L	2432	Ant 1	-12.24	pass
11N20	L	2432	Ant 2	-11.98	pass
11N20	M	2447	Ant 1	-11.60	pass
11N20	M	2447	Ant 2	-12.04	pass
11N20	H	2462	Ant 1	-11.53	pass
11N20	H	2462	Ant 2	-12.11	pass
11N20m	L	2432	Ant 1	-13.04	pass
11N20m	L	2432	Ant 2	-12.19	pass
11N20m	L	2432	SUM	-9.58	pass
11N20m	M	2447	Ant 1	-12.92	pass
11N20m	M	2447	Ant 2	-12.41	pass
11N20m	M	2447	SUM	-9.65	pass
11N20m	H	2462	Ant 1	-13.12	pass
11N20m	H	2462	Ant 2	-12.32	pass
11N20m	H	2462	SUM	-9.69	pass
11N40	L	2442	Ant 1	-13.99	pass
11N40	L	2442	Ant 2	-14.41	pass
11N40	M	2447	Ant 1	-13.42	pass
11N40	M	2447	Ant 2	-13.86	pass
11N40	H	2452	Ant 1	-13.09	pass
11N40	H	2452	Ant 2	-13.59	pass
11N40m	L	2442	Ant 1	-16.09	pass
11N40m	L	2442	Ant 2	-14.84	pass
11N40m	L	2442	SUM	-12.41	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11N40m	M	2447	Ant 2	-15.95	pass
11N40m	M	2447	Ant 2	-14.24	pass
11N40m	M	2447	SUM	-12	pass
11N40m	H	2452	Ant 1	-15.54	pass
11N40m	H	2452	Ant 2	-14.06	pass
11N40m	H	2452	SUM	-11.73	pass

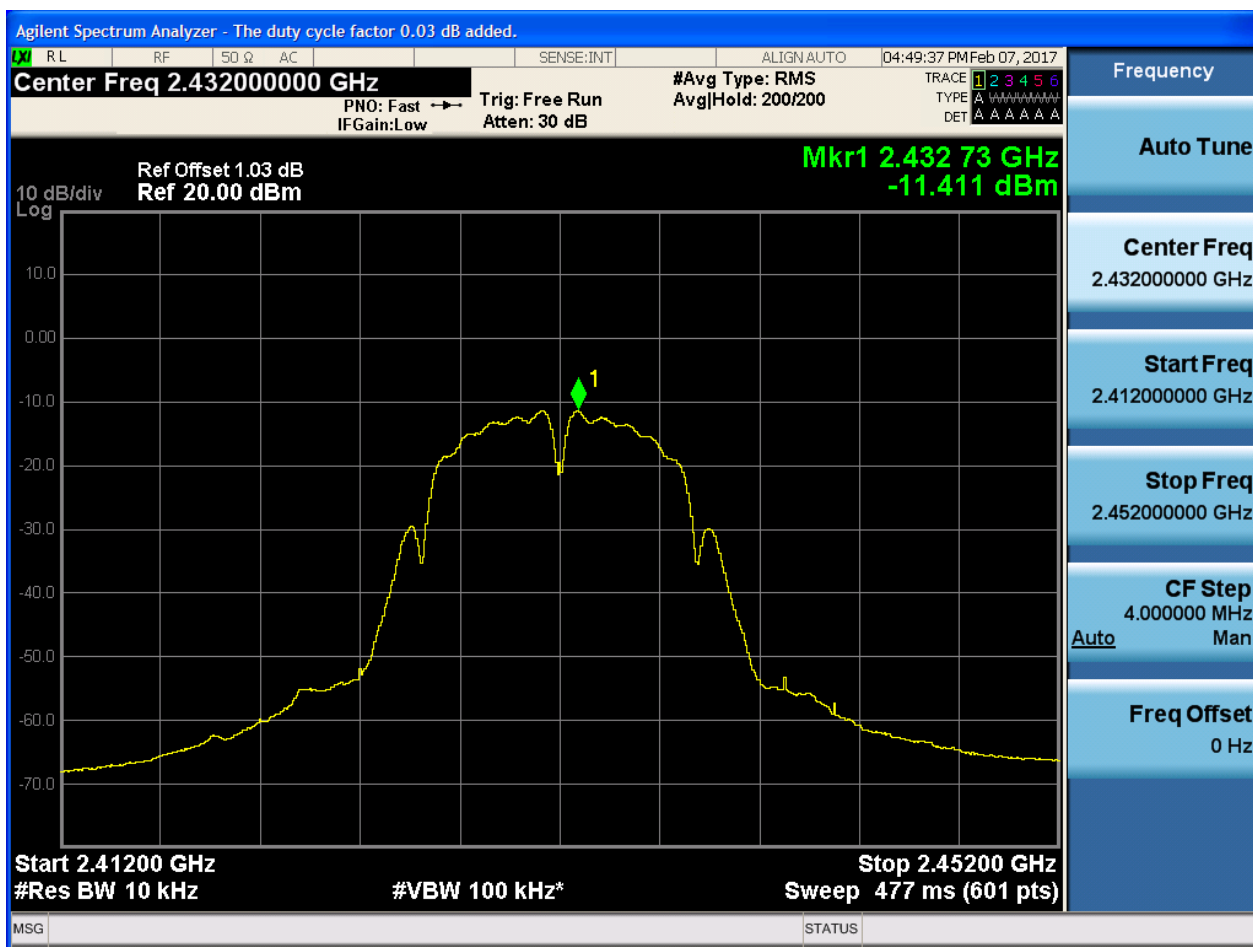
Part II - Test Plots

2.1 11B_L@Ant 1



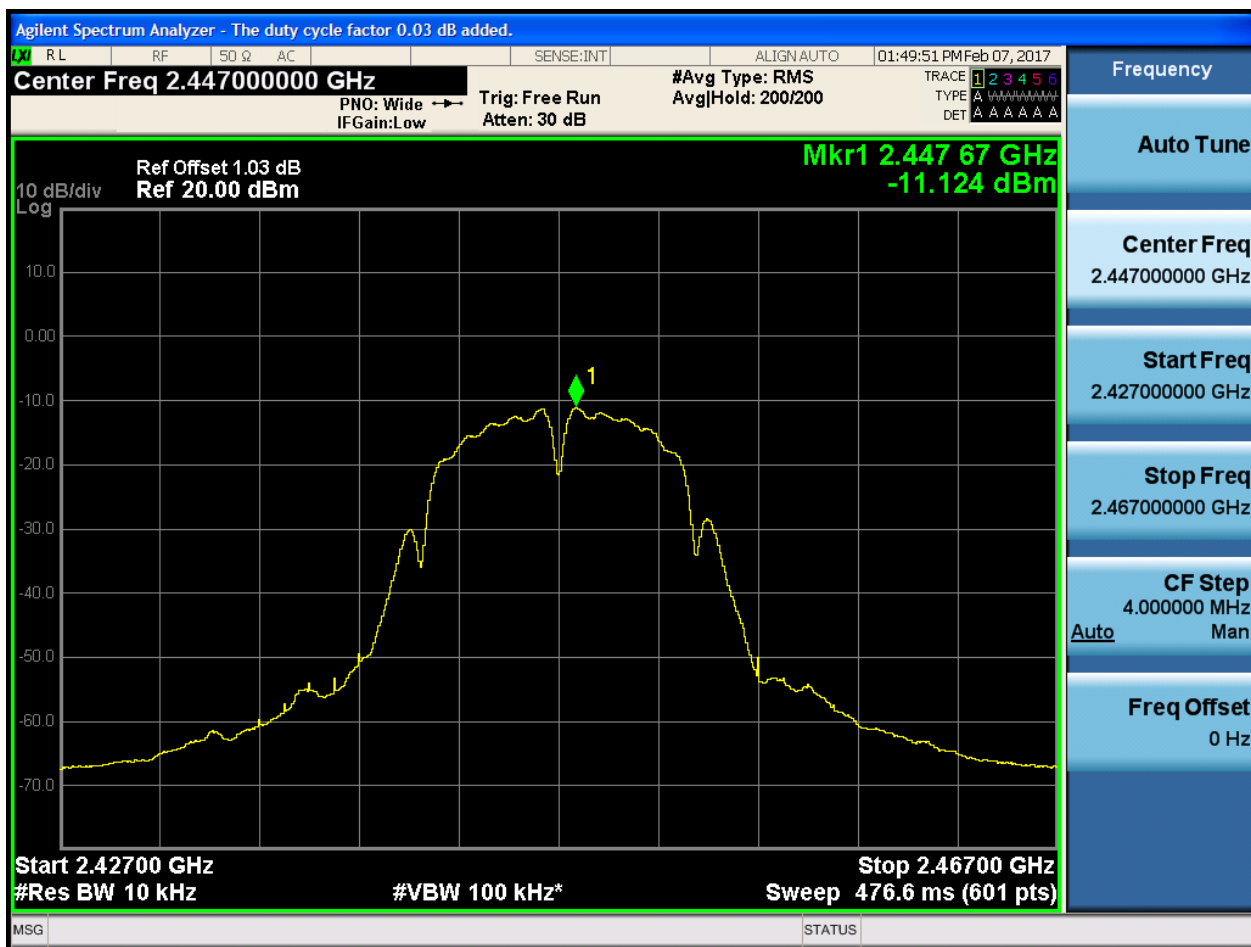


2.2 11B_L@Ant 2



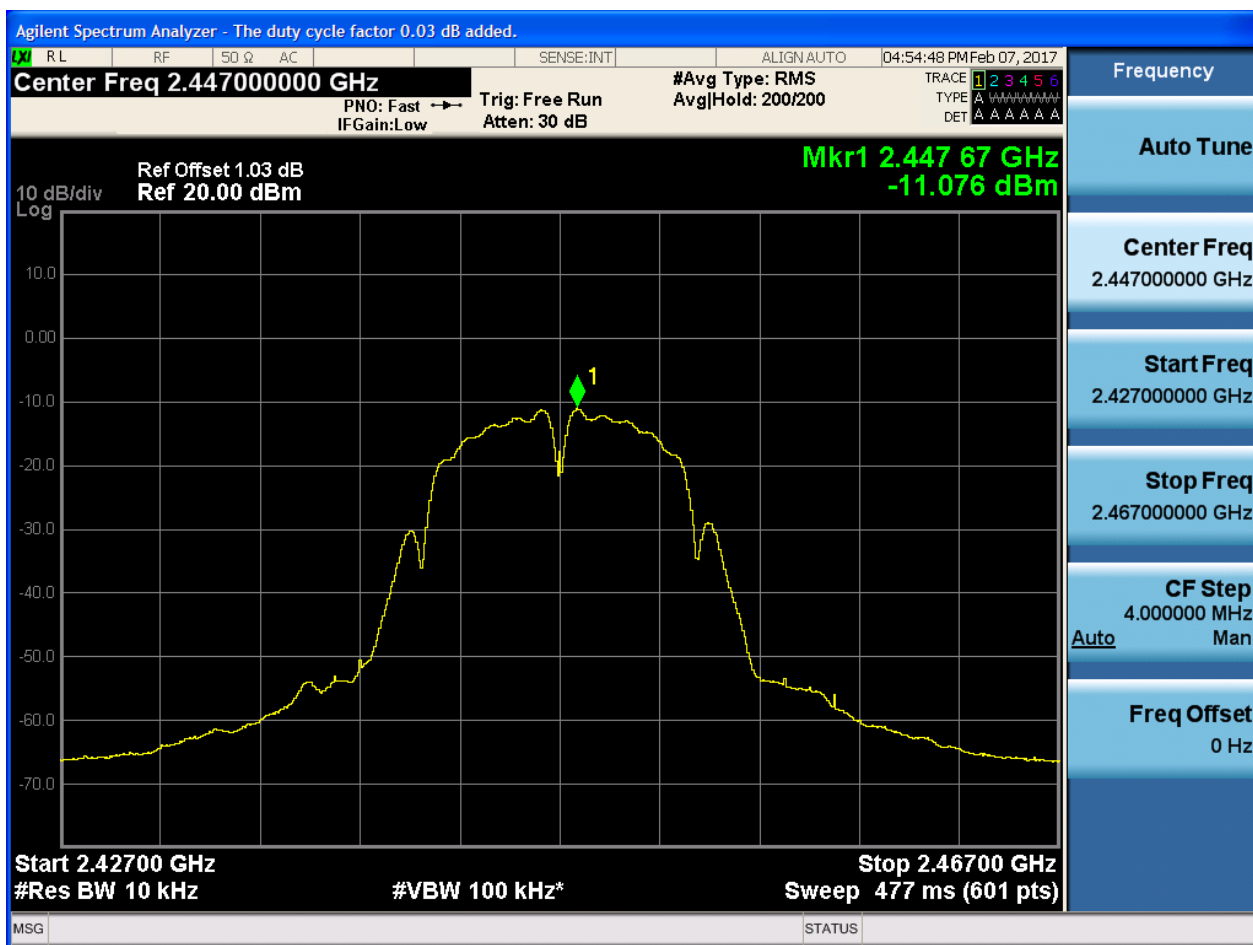


2.3 11B_M@Ant 1



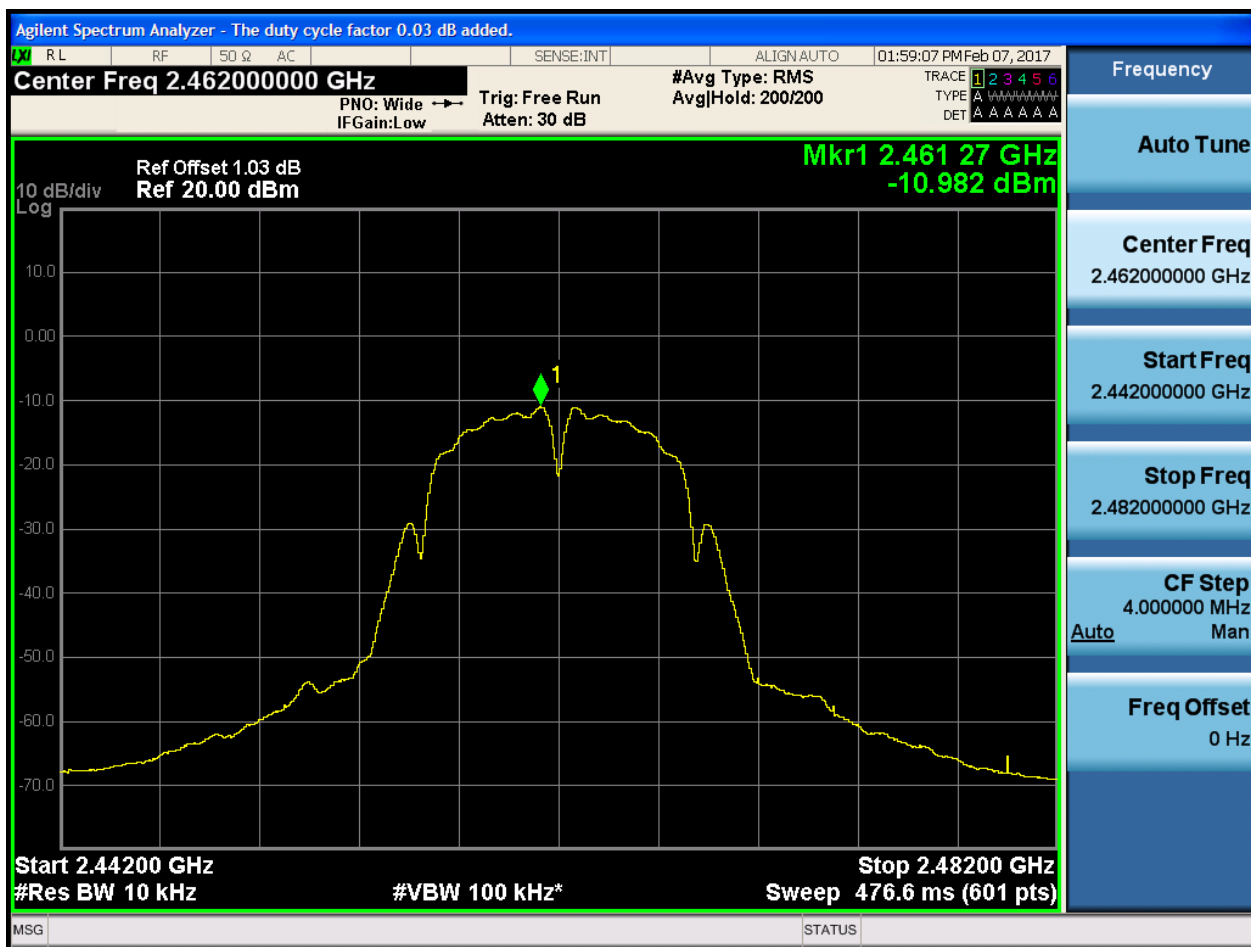


2.4 11B_M@Ant 2



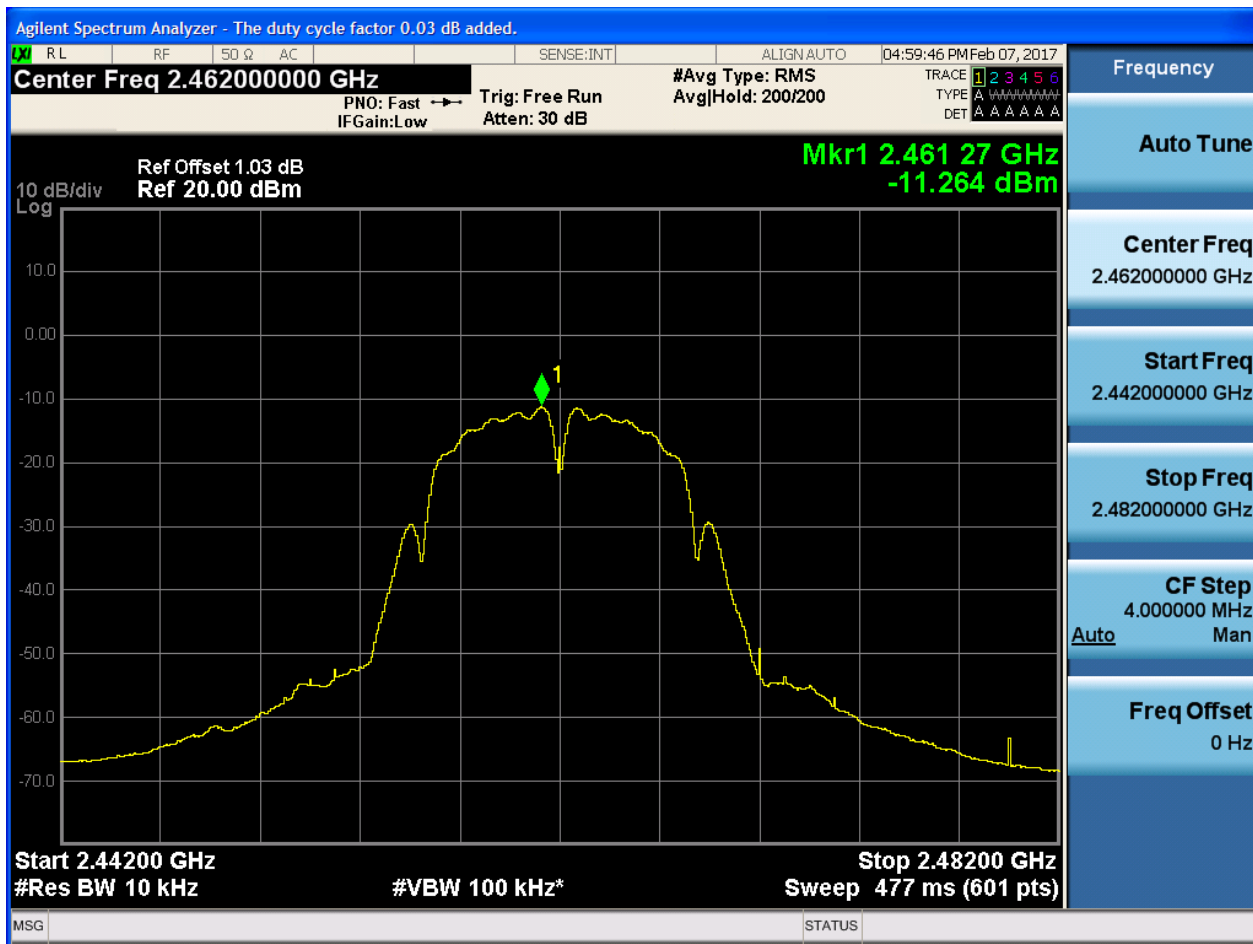


2.5 11B_H@Ant 1



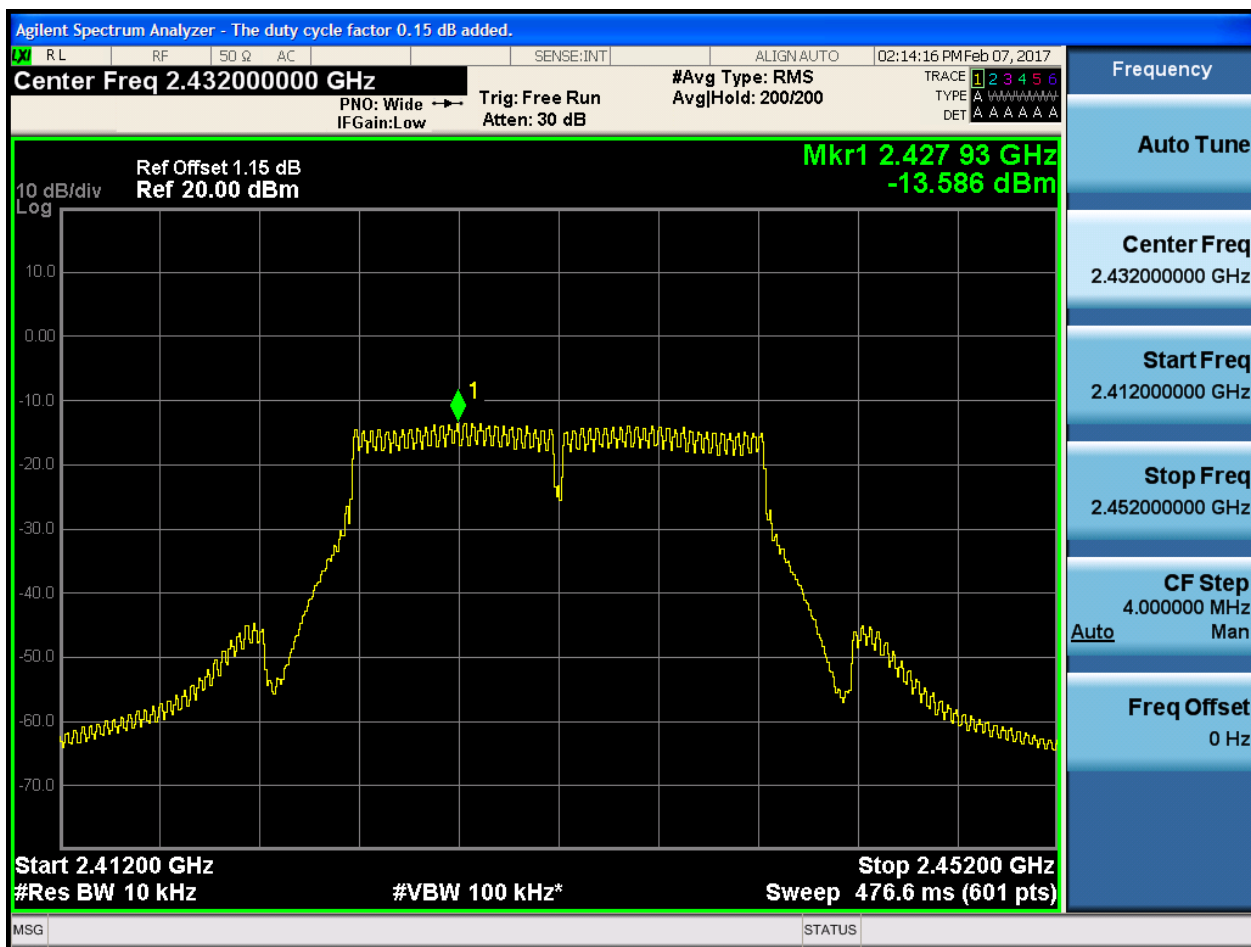


2.6 11B_H@Ant 2



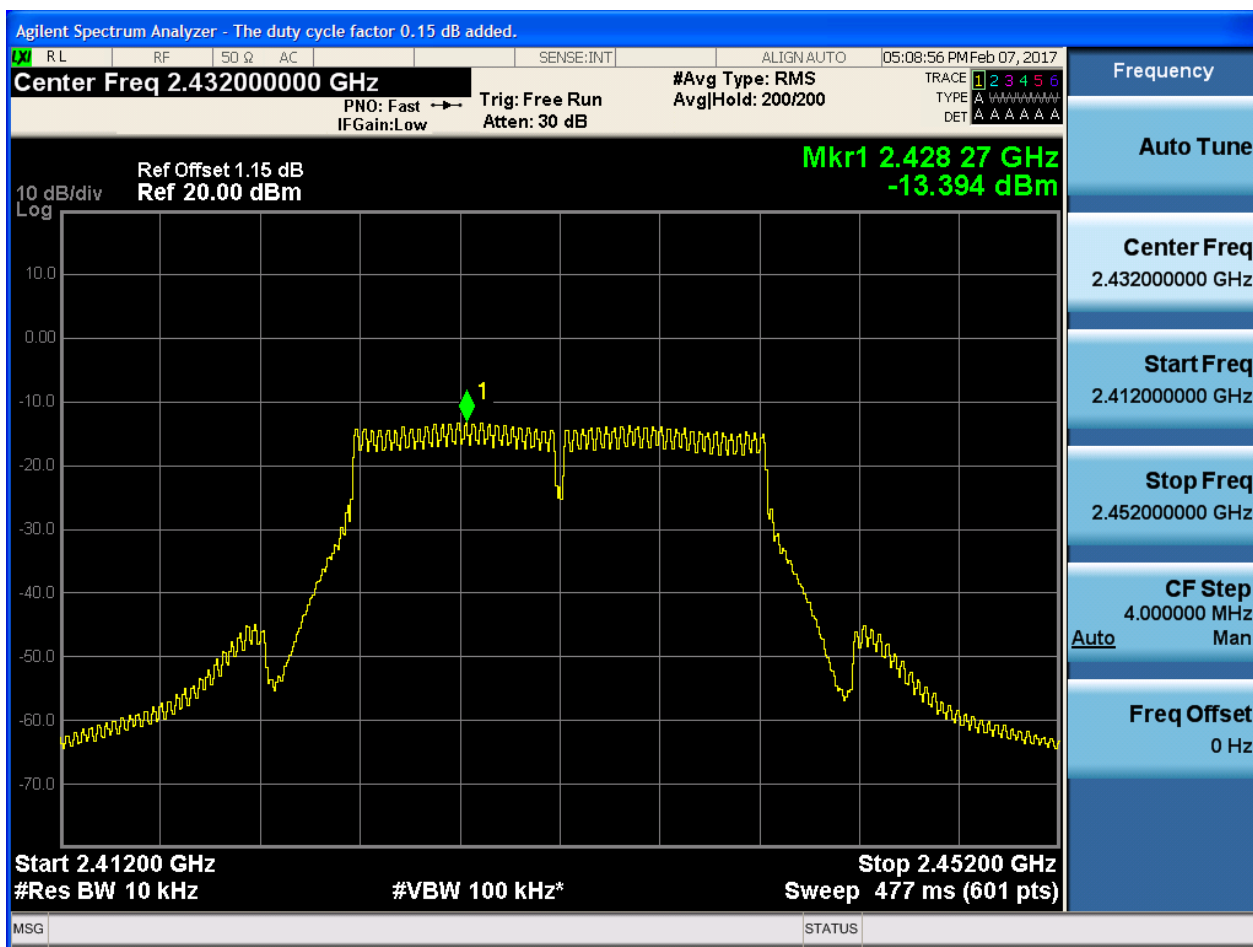


2.7 11G_L@Ant 1



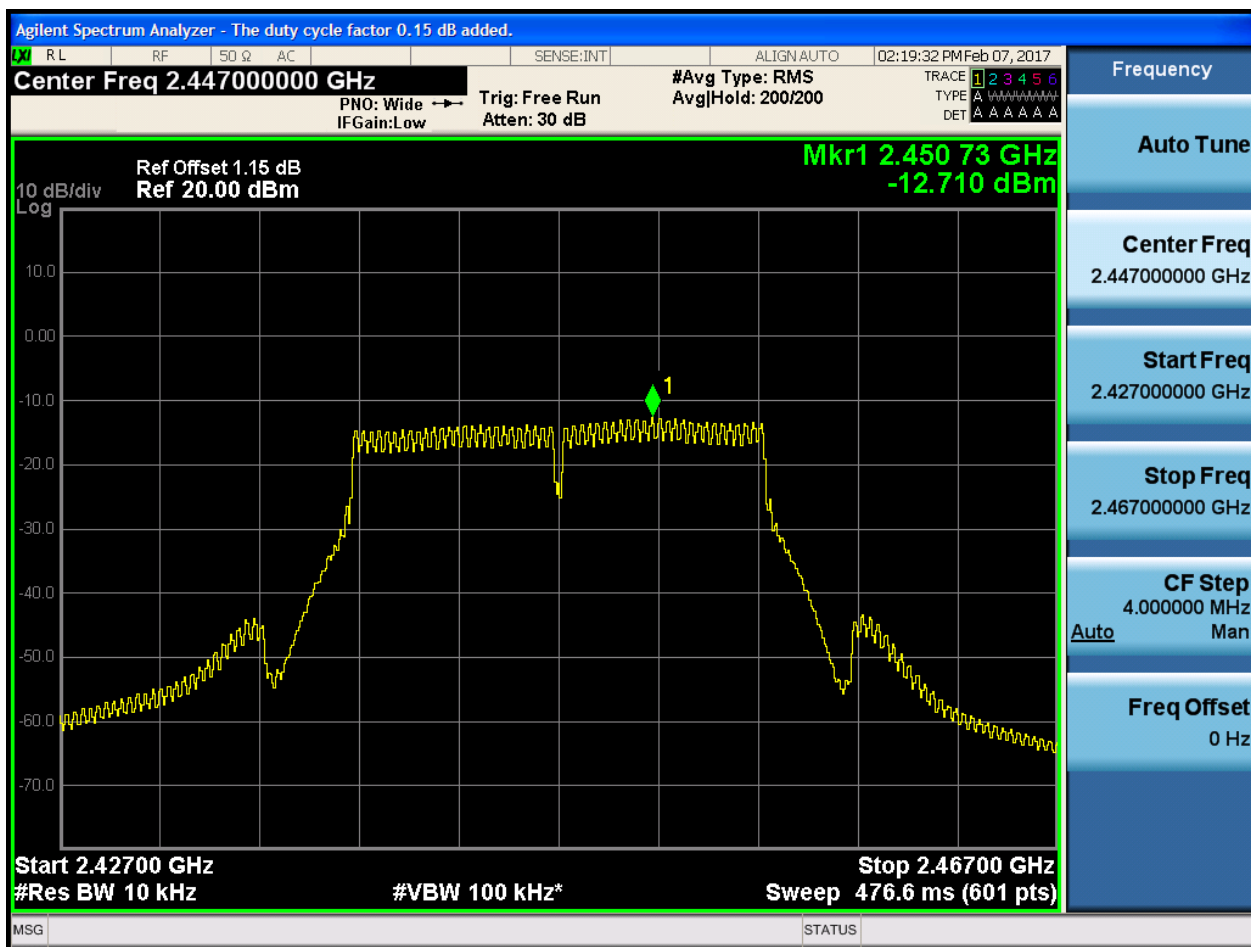


2.8 11G_L@Ant 2



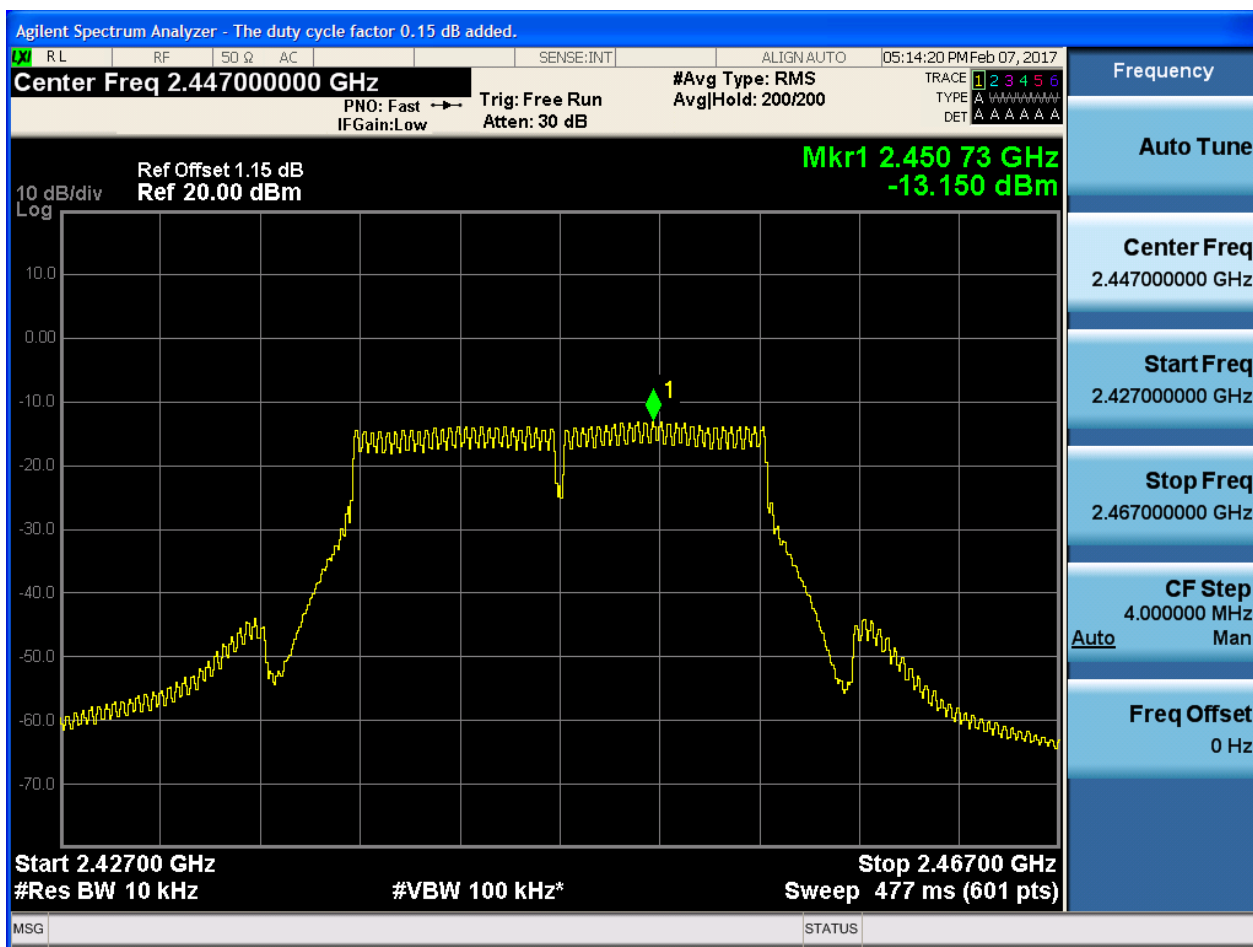


2.9 11G_M@Ant 1



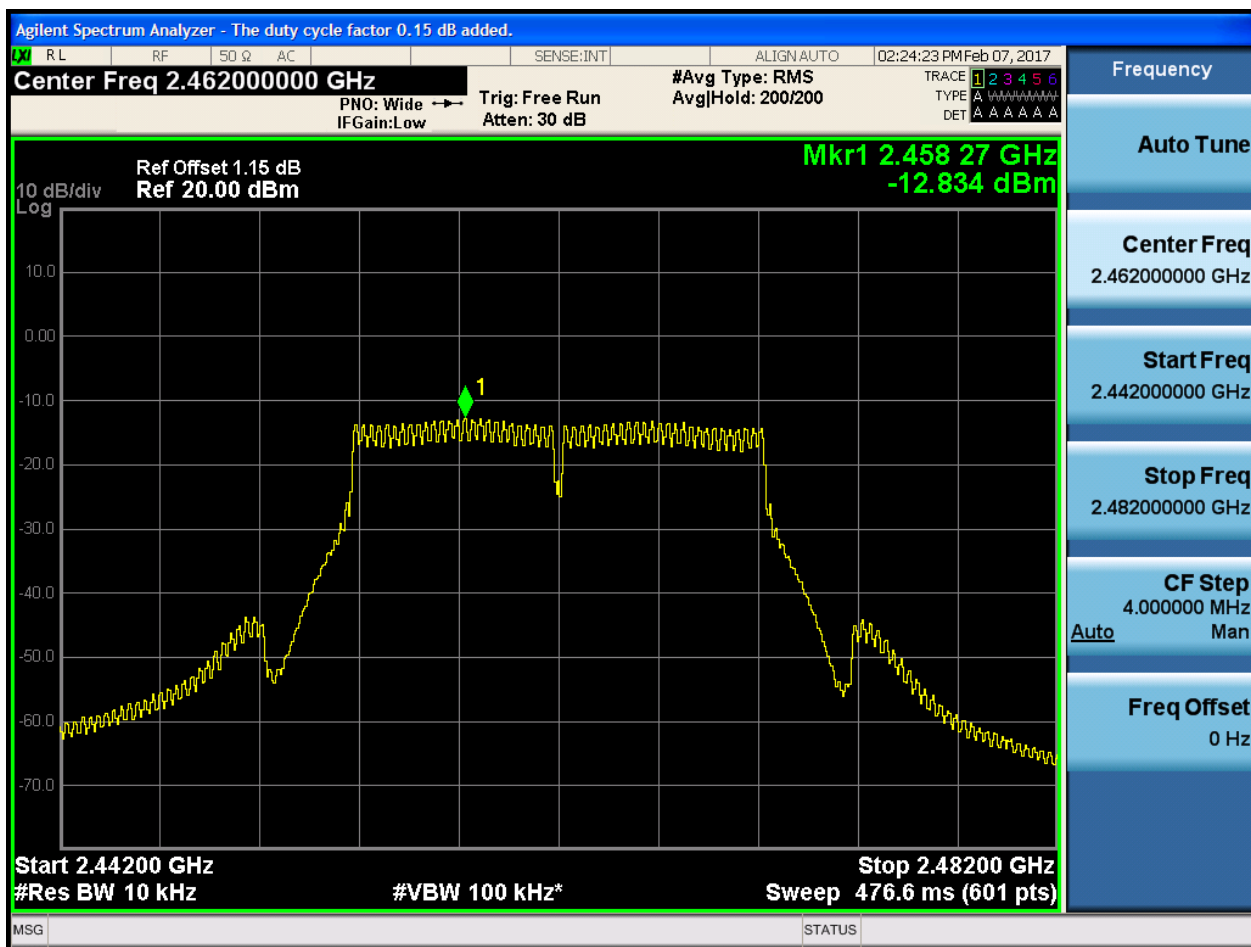


2.10 11G_M@Ant 2



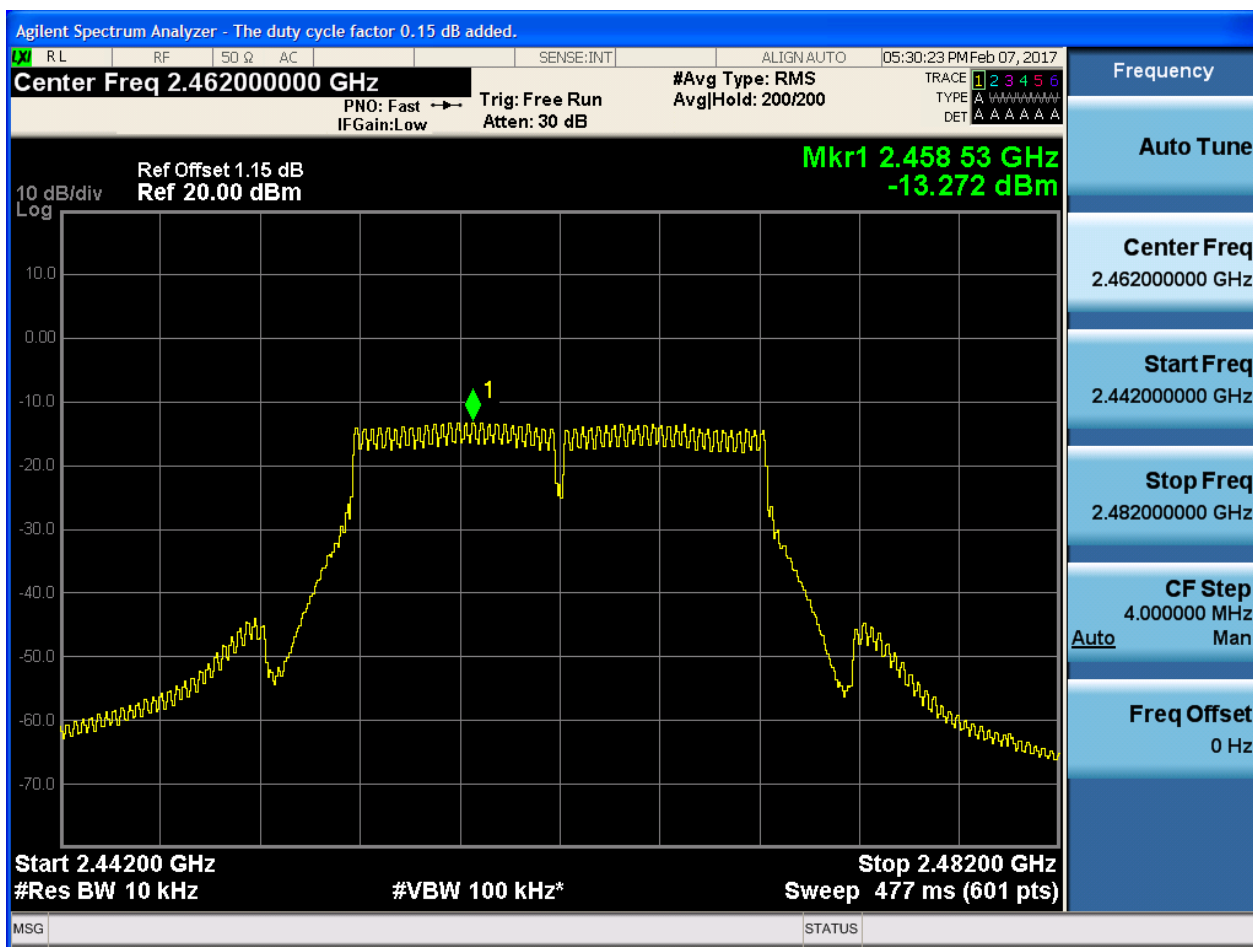


2.11 11G_H@Ant 1



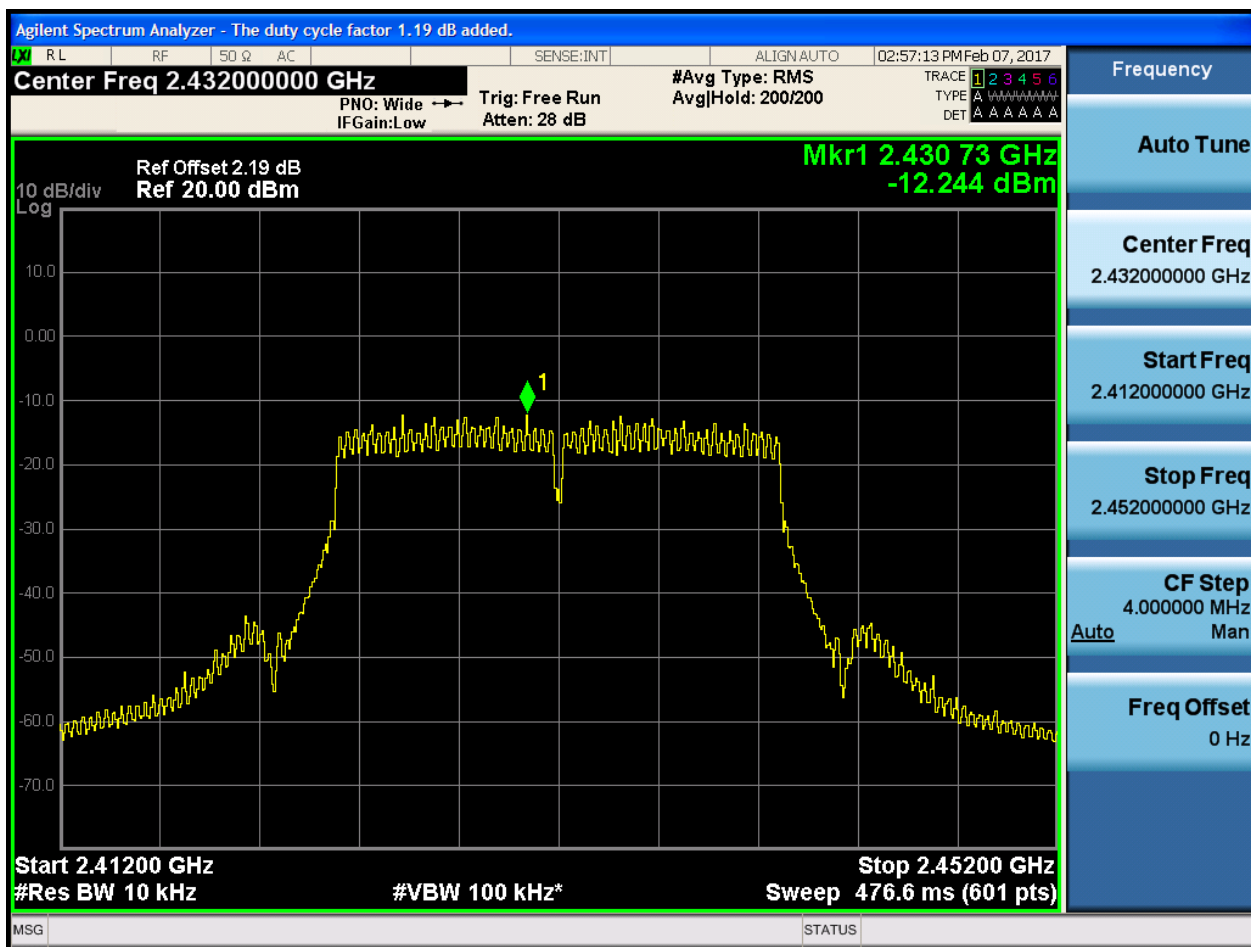


2.12 11G_H@Ant 2



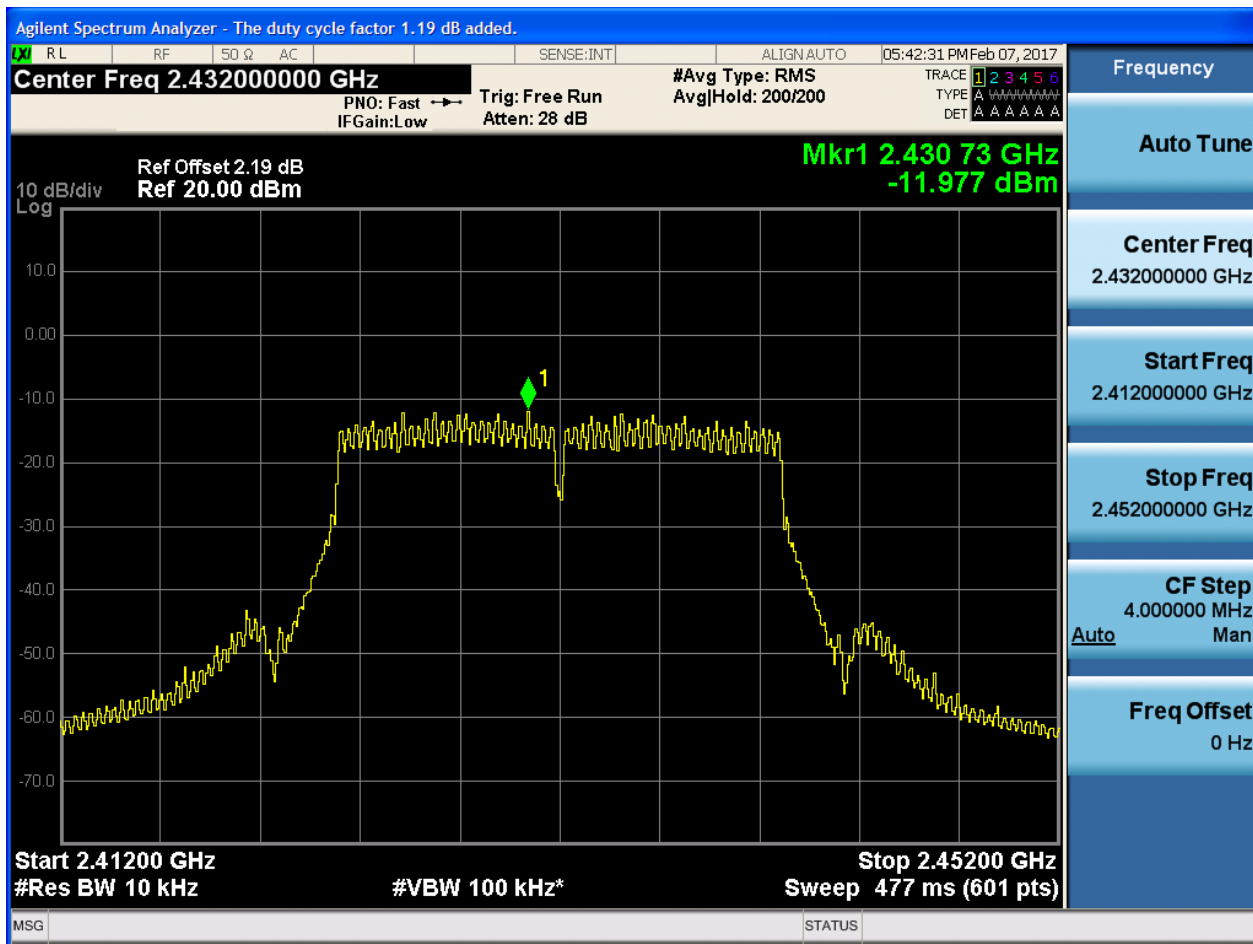


2.13 11N20_L@Ant 1



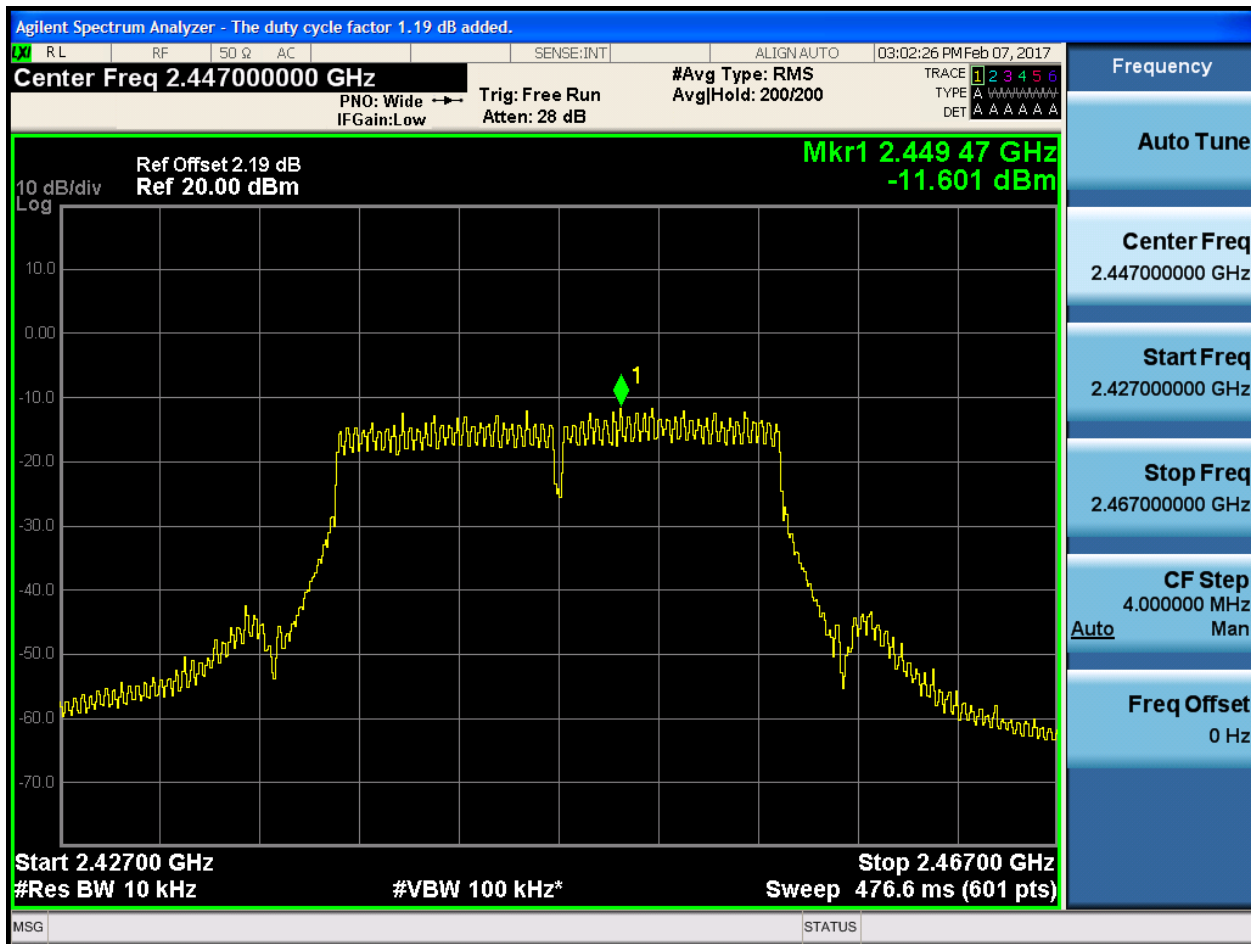


2.14 11N20_L@Ant 2



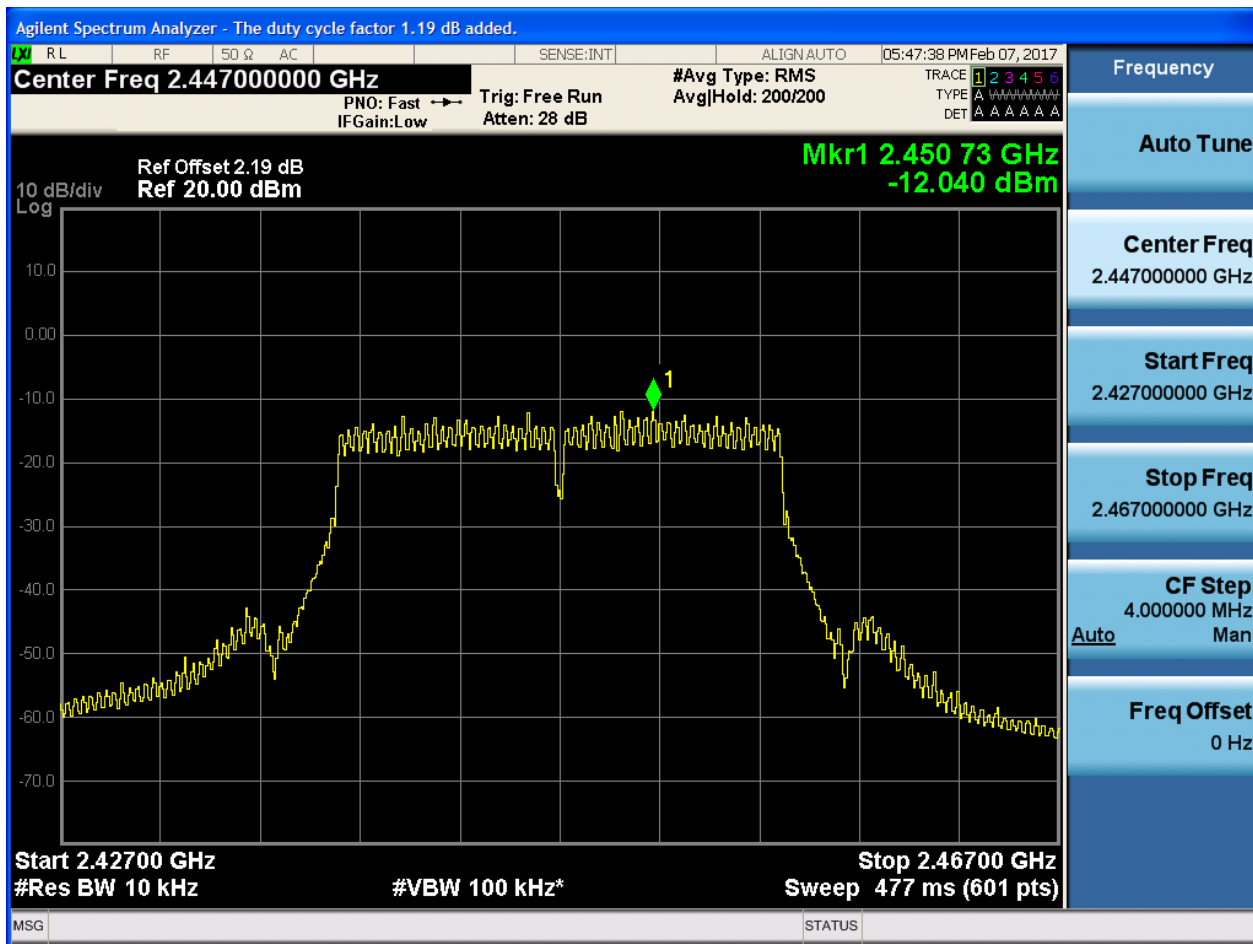


2.15 11N20_M@Ant 1



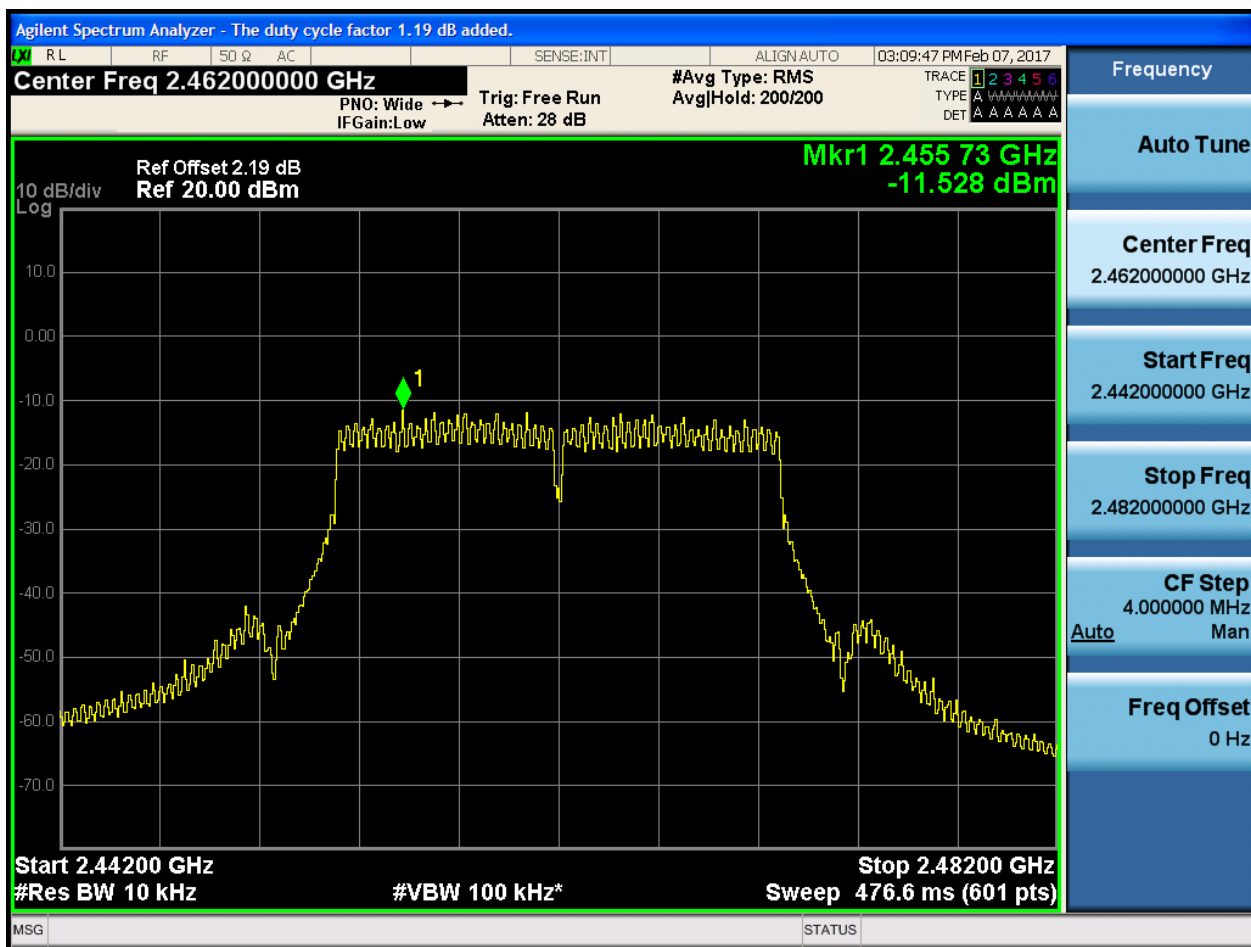


2.16 11N20_M@Ant 2



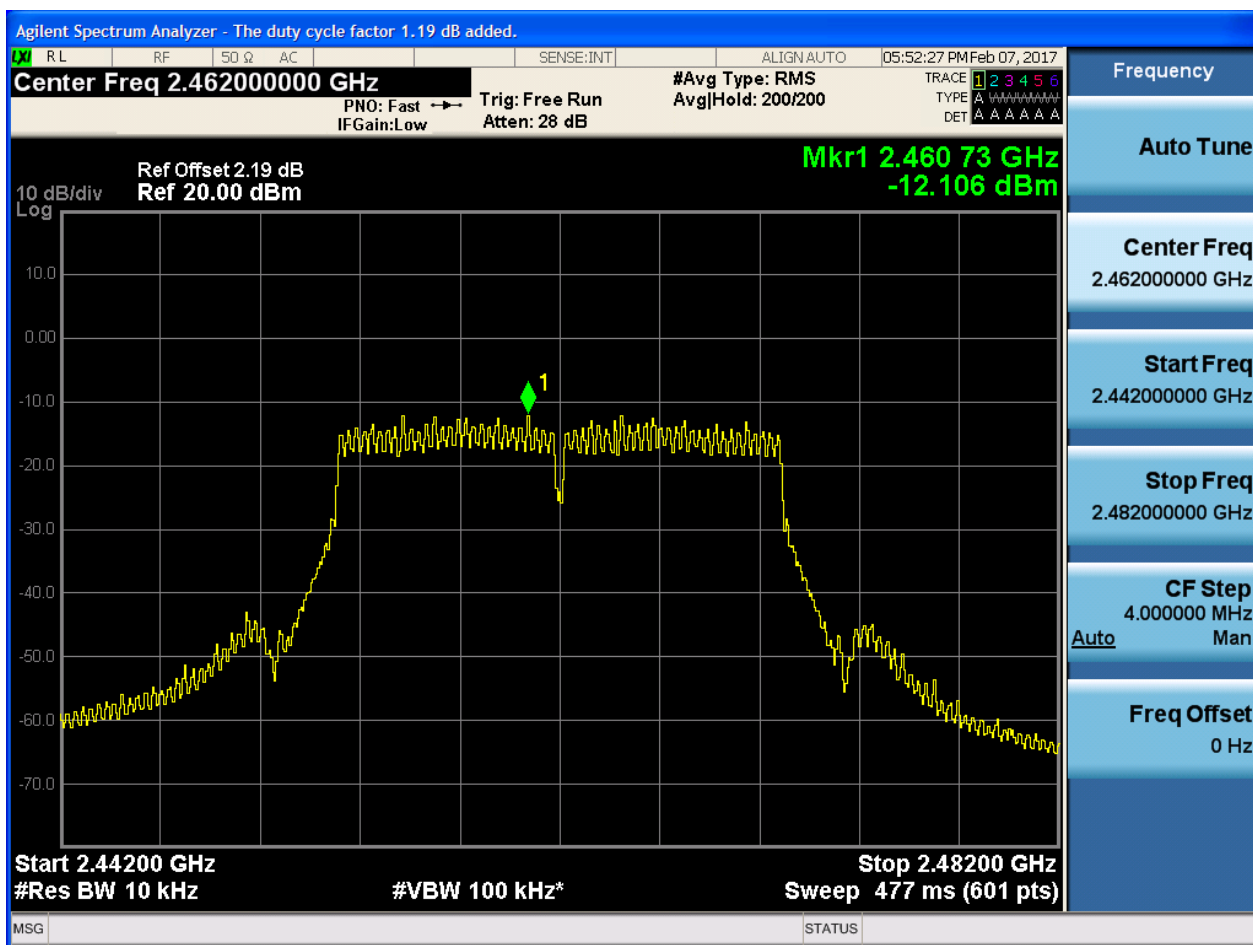


2.17 11N20_H@Ant 1



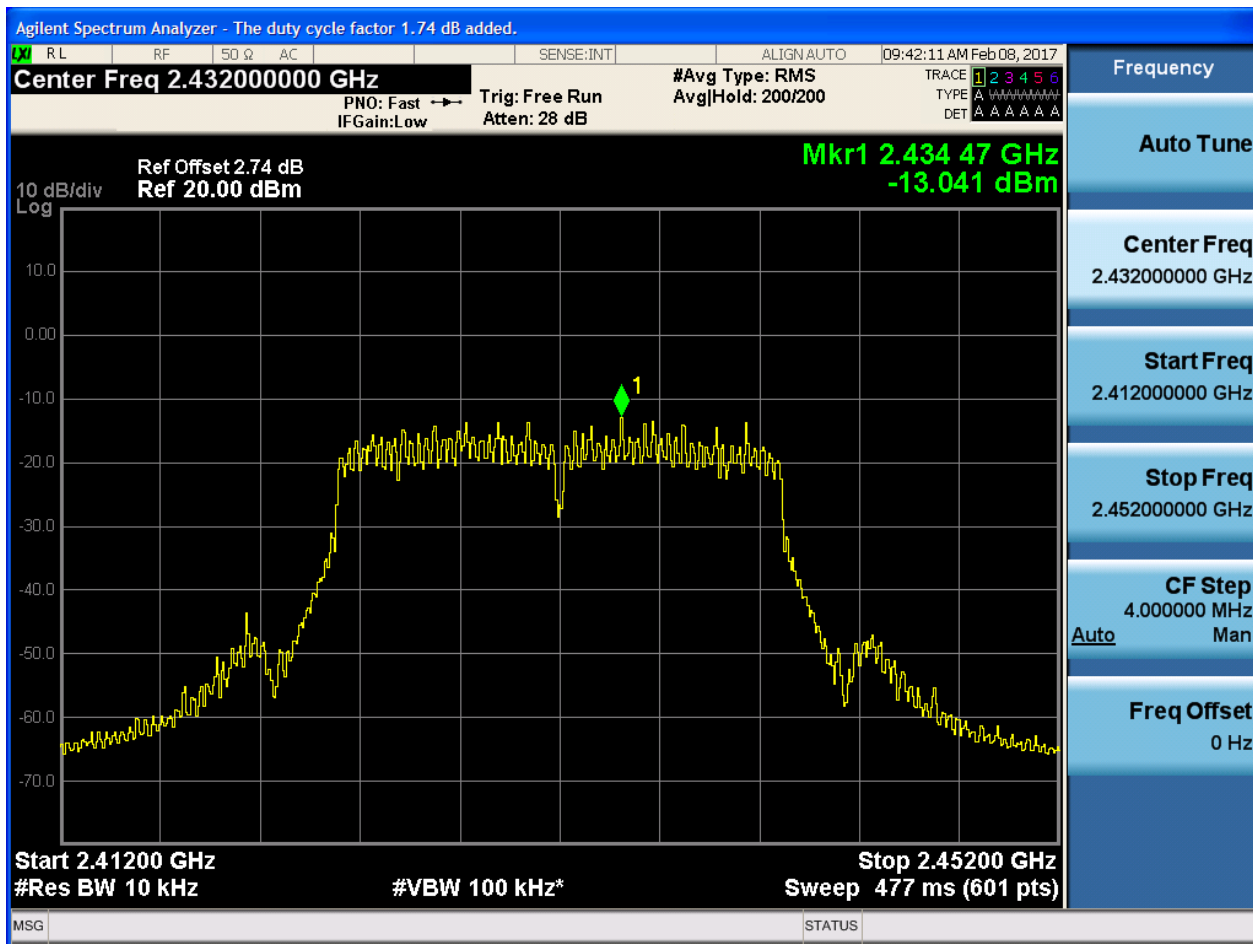


2.18 11N20_H@Ant 2



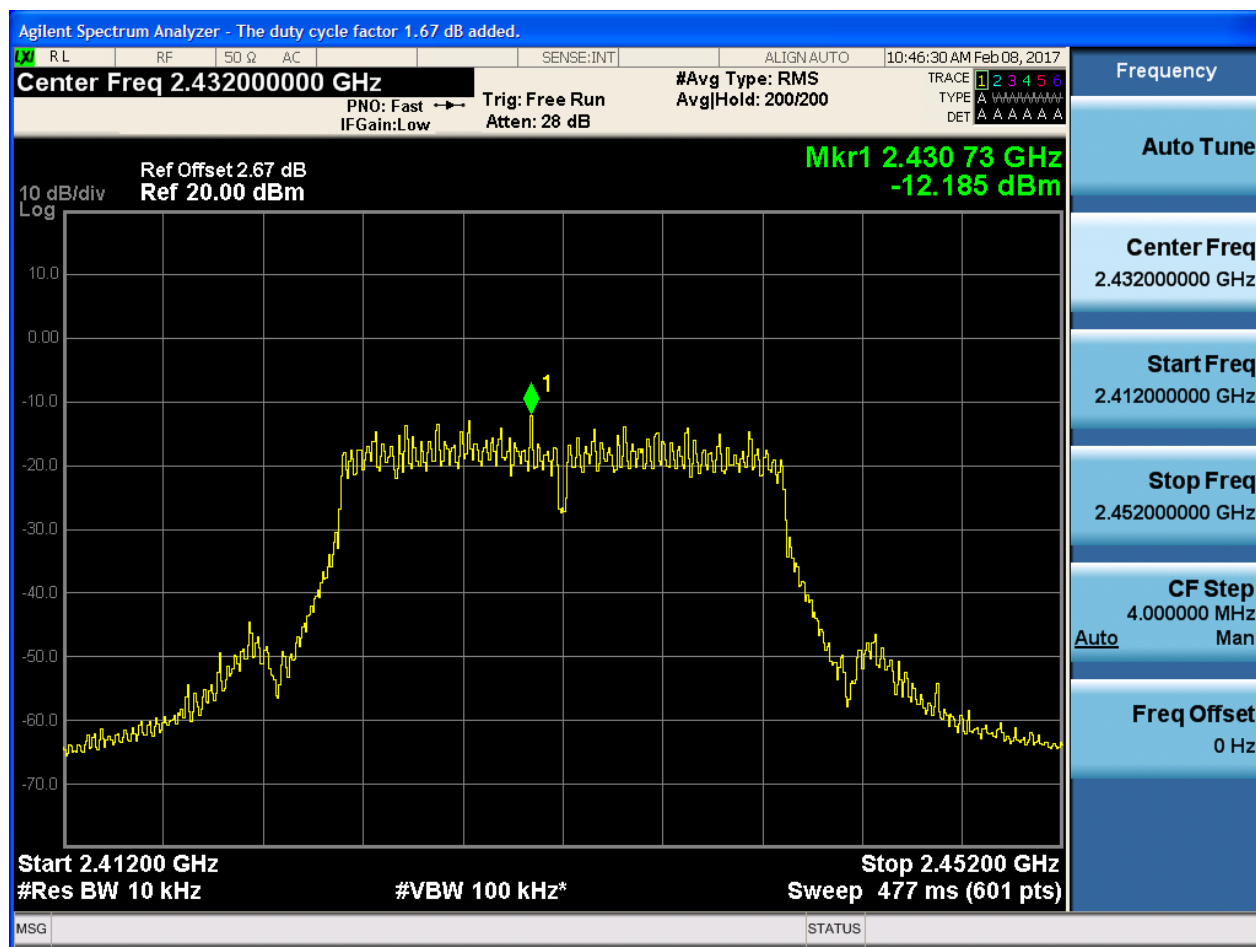


2.19 11N20m_L@Ant 1



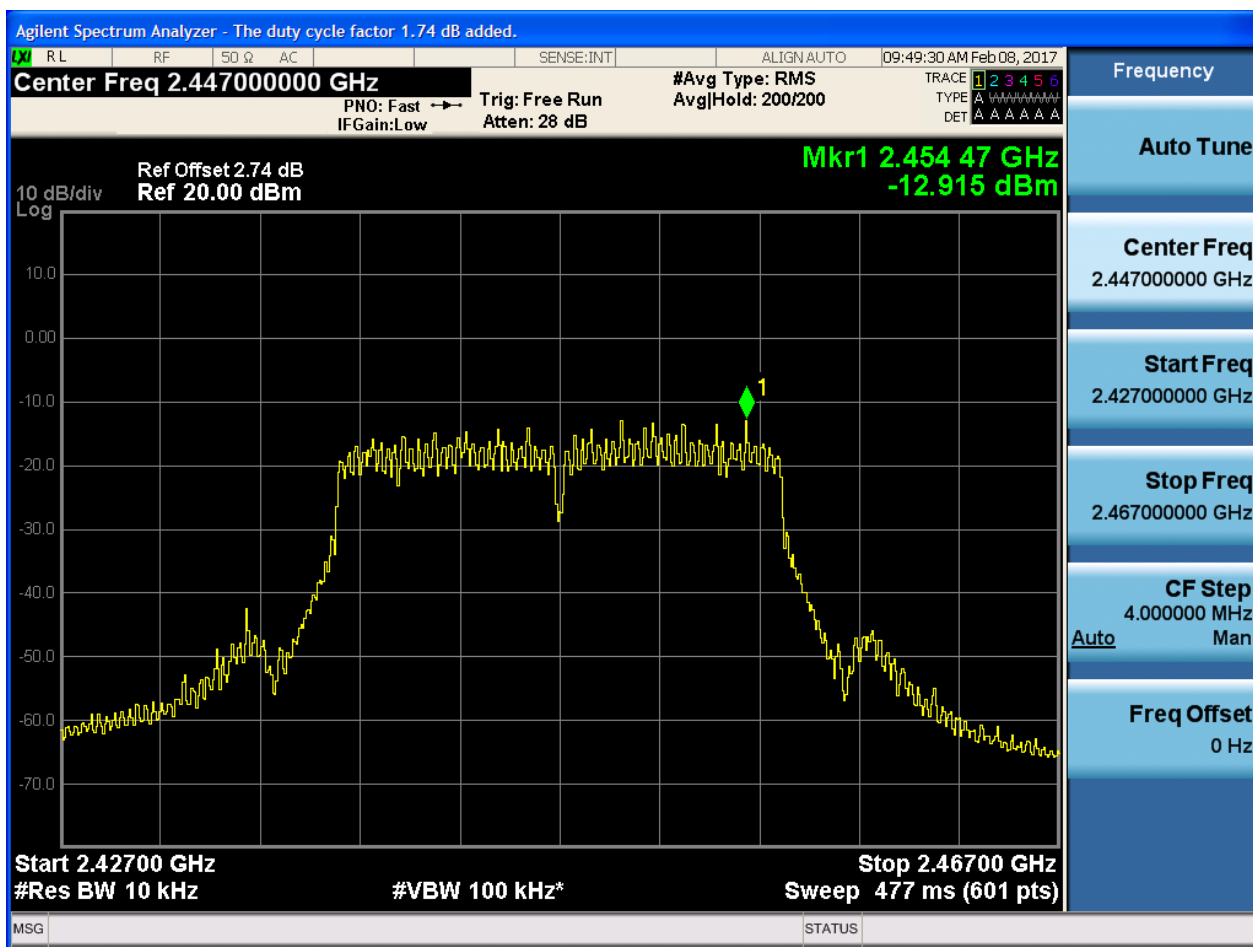


2.20 11N20m_L@Ant 2



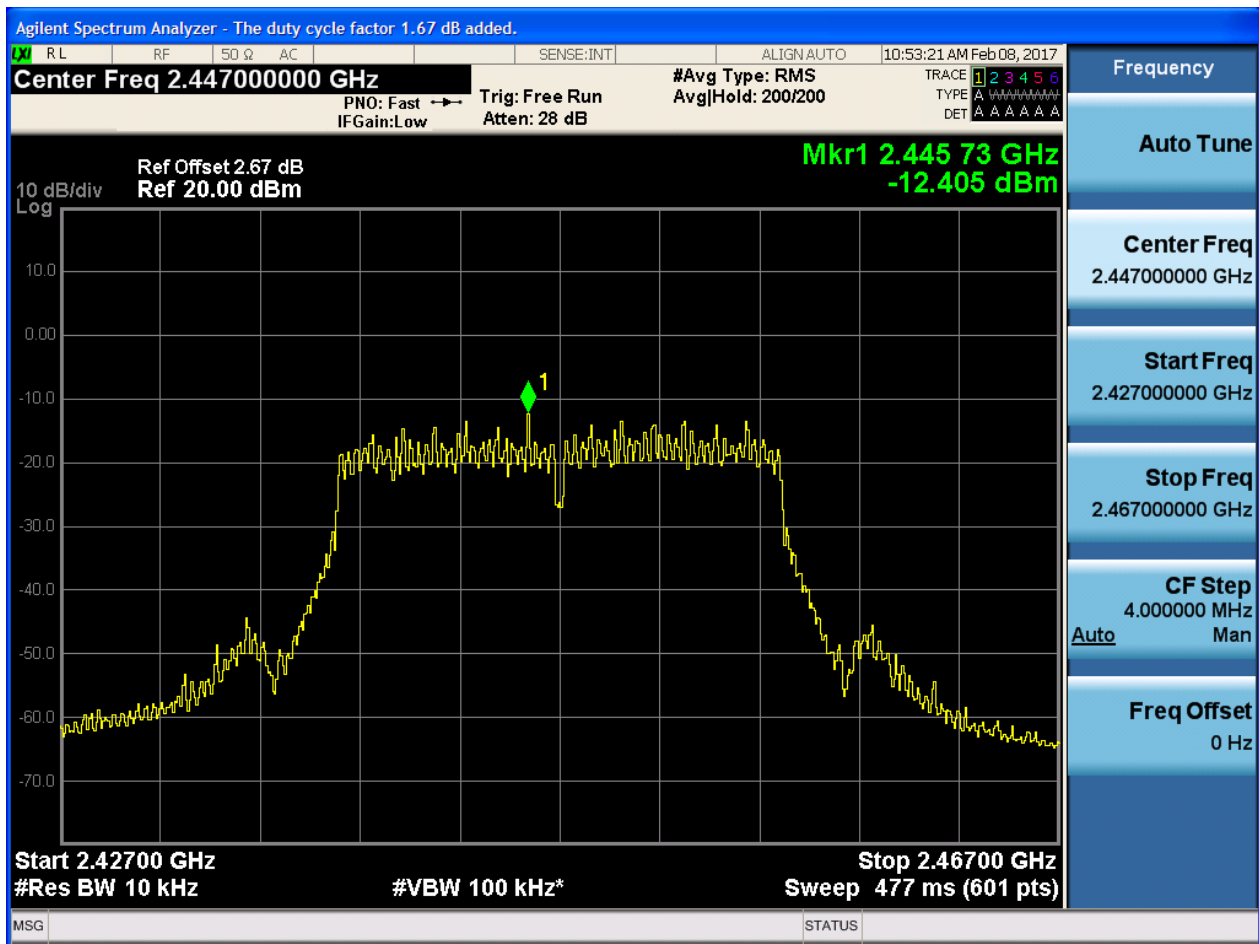


2.21 11N20m_M@Ant 1



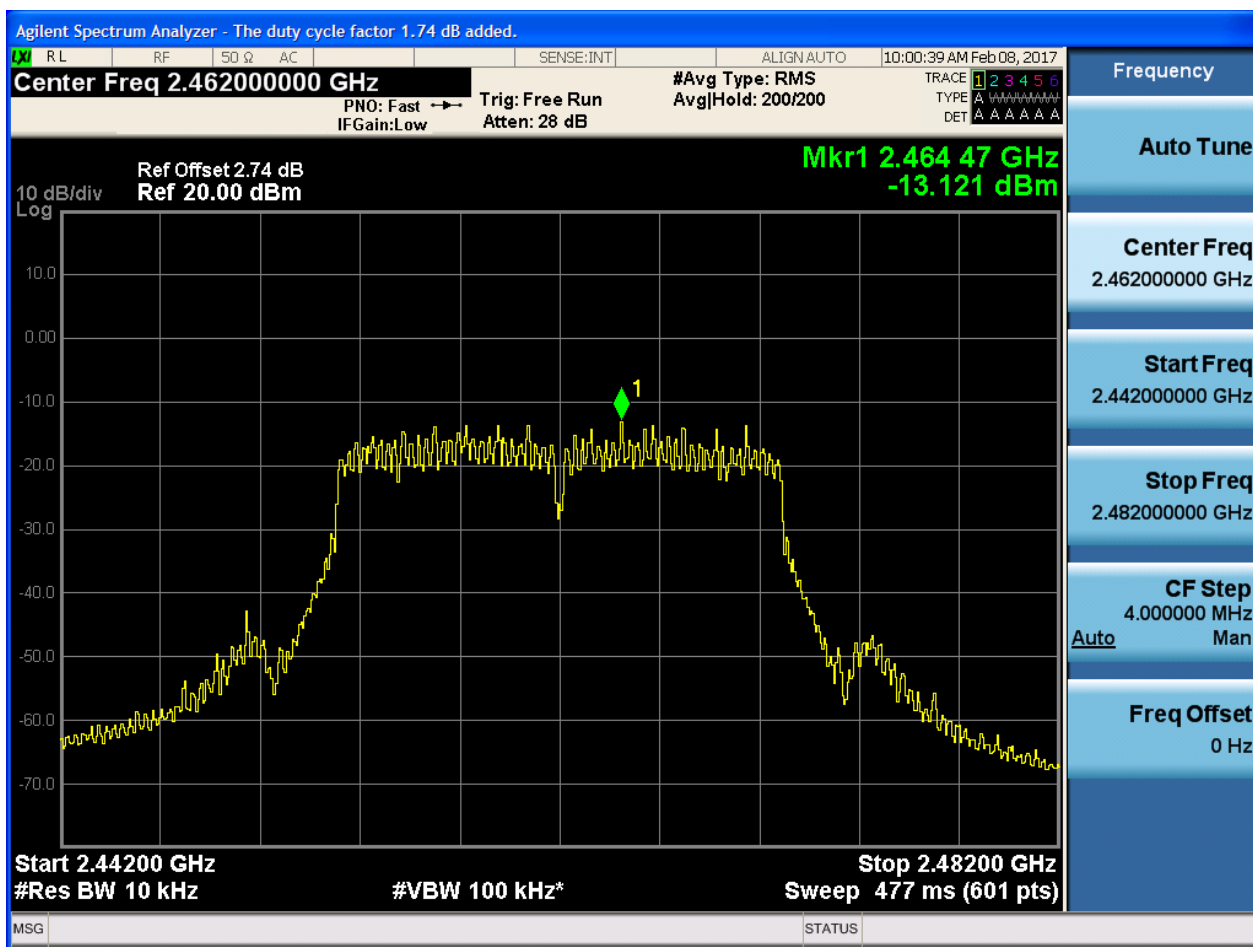


2.22 11N20m_M@Ant 2



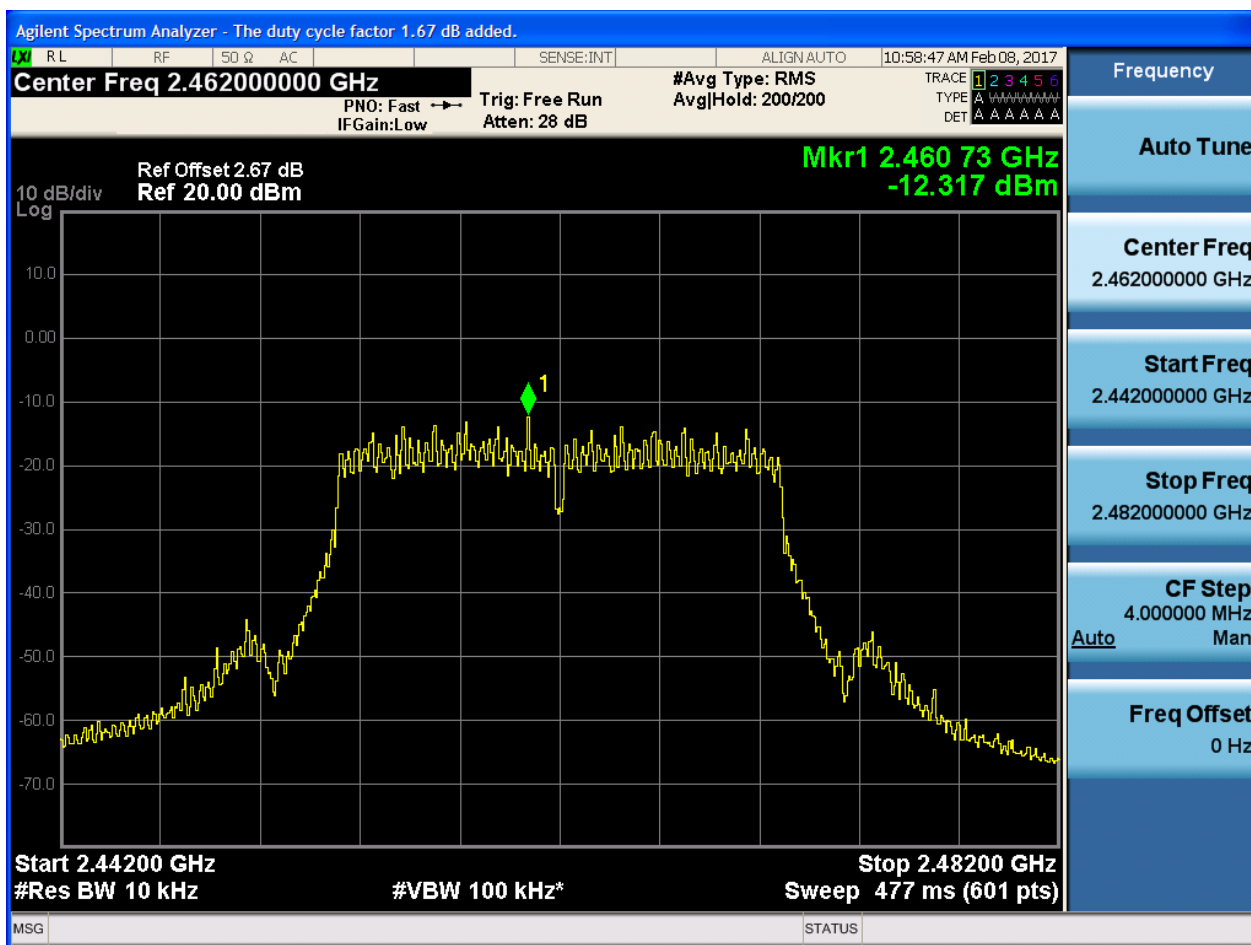


2.23 11N20m_H@Ant 1



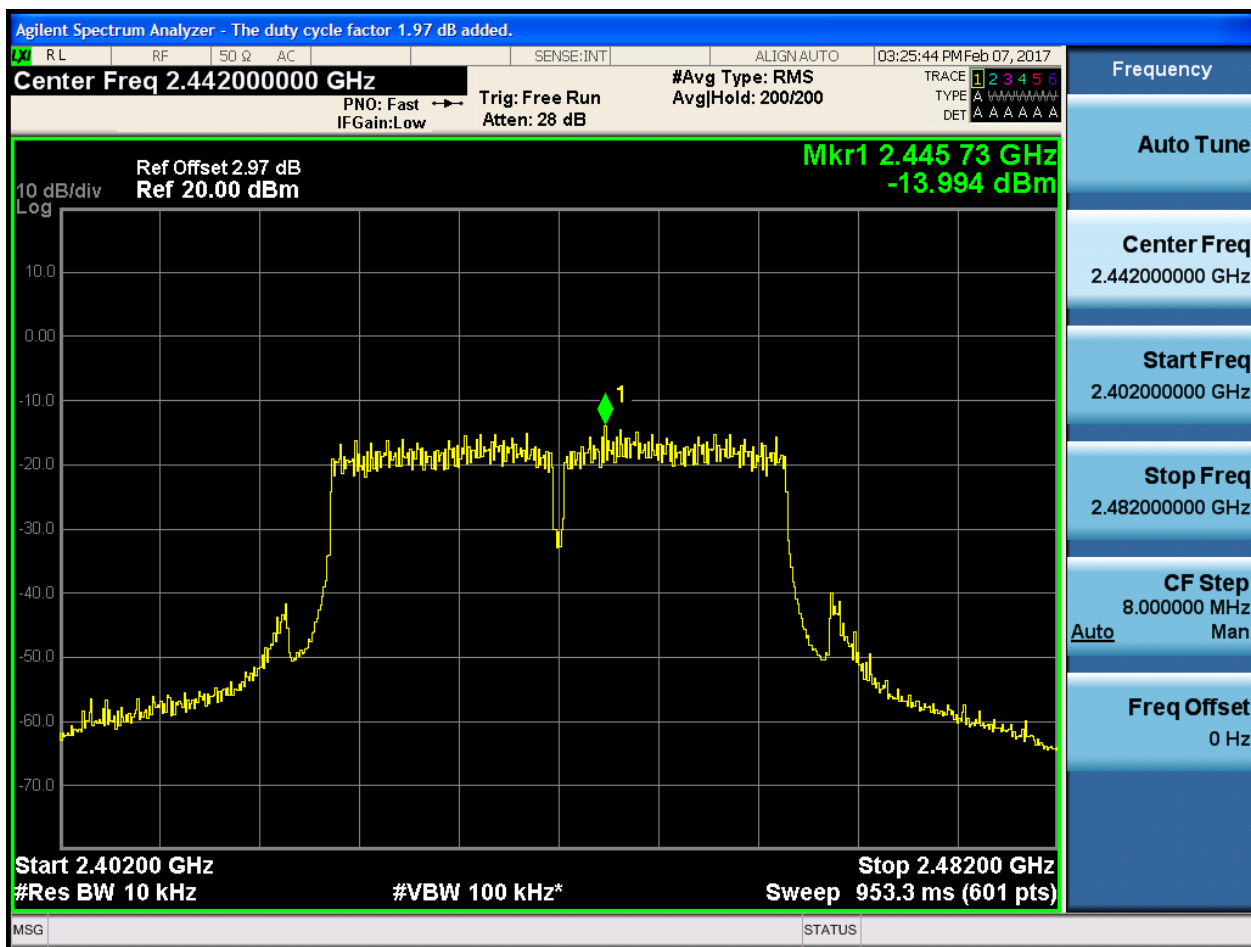


2.24 11N20m_H@Ant 2



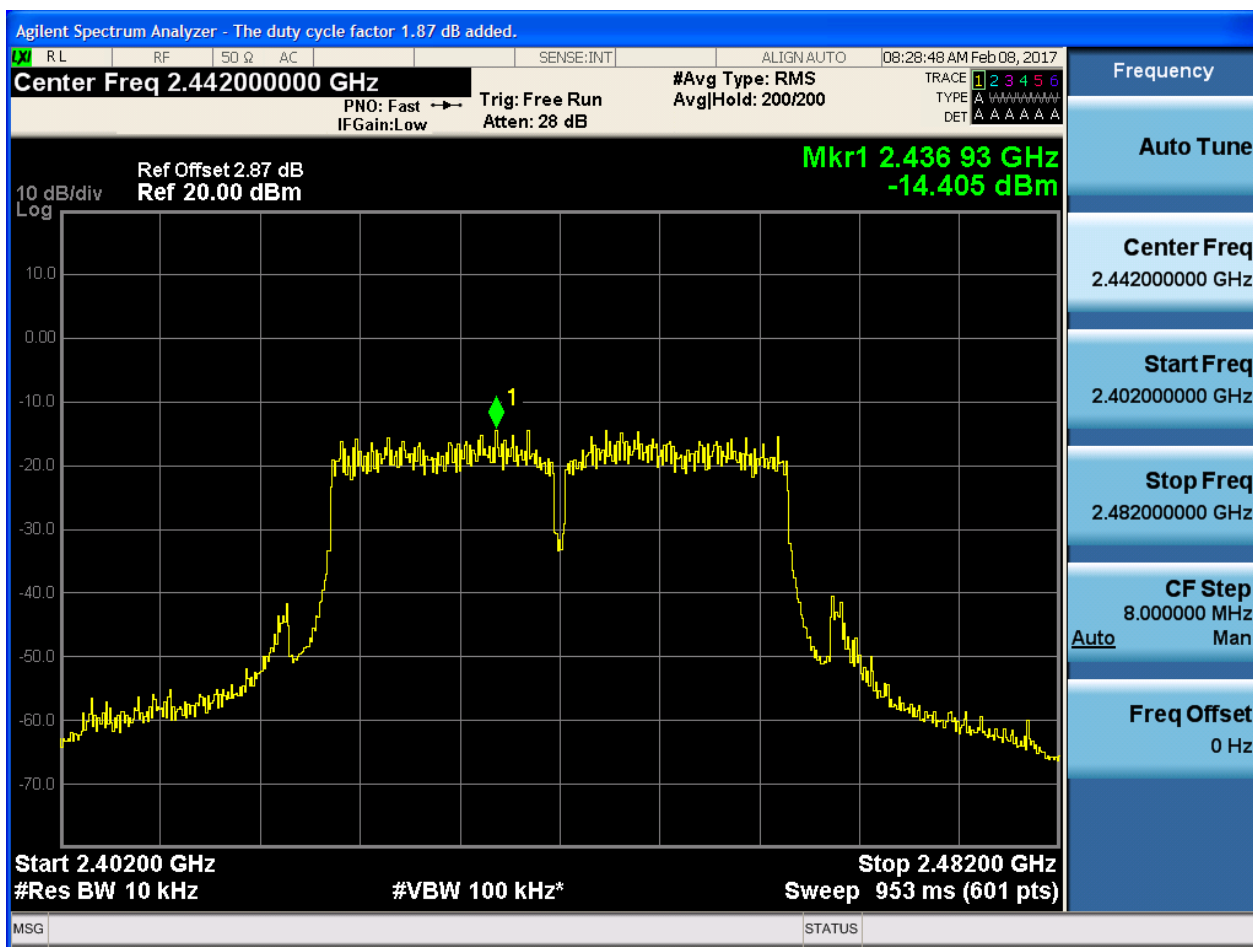


2.25 11N40_L@Ant 1



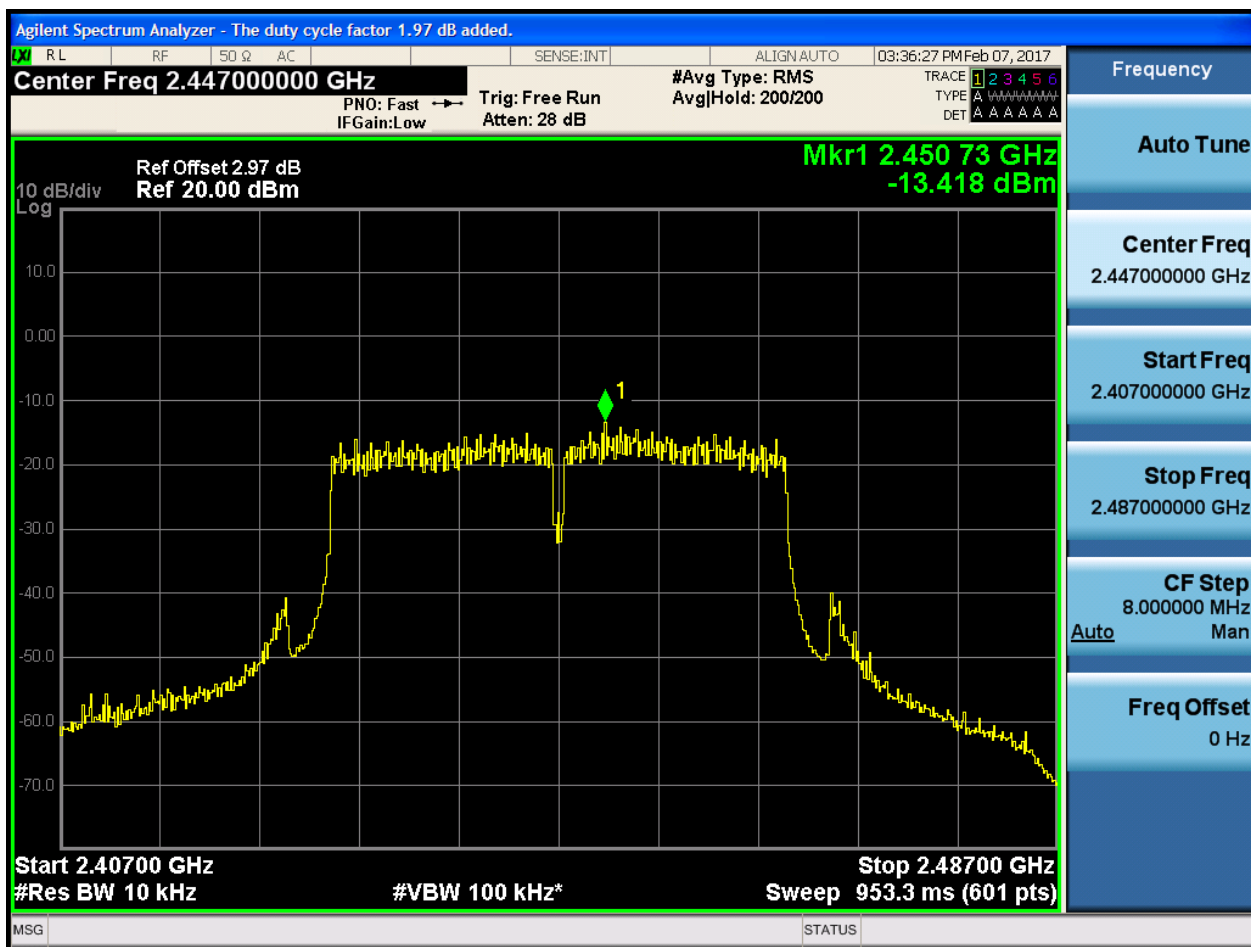


2.26 11N40_L@Ant 2



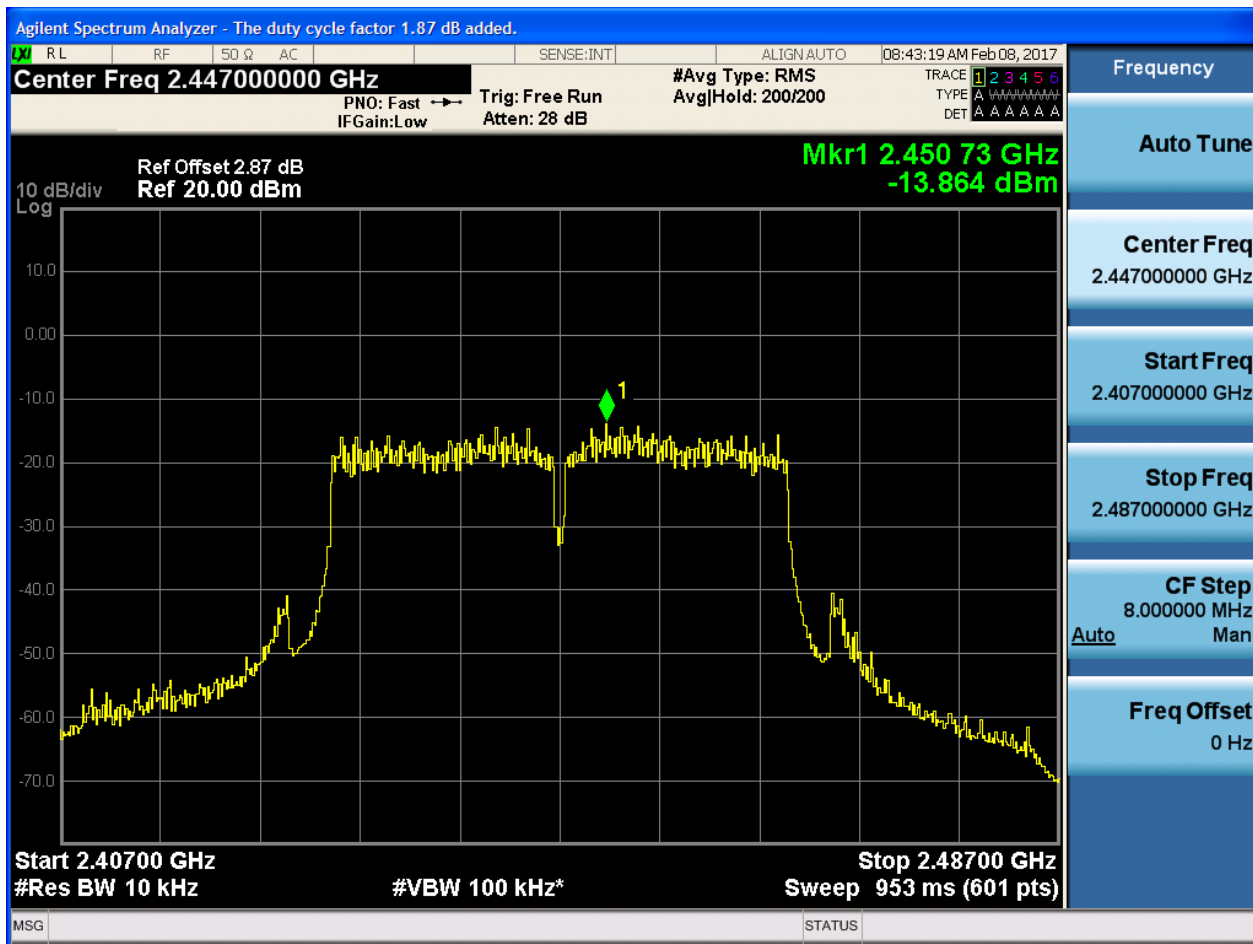


2.27 11N40_M@Ant 1



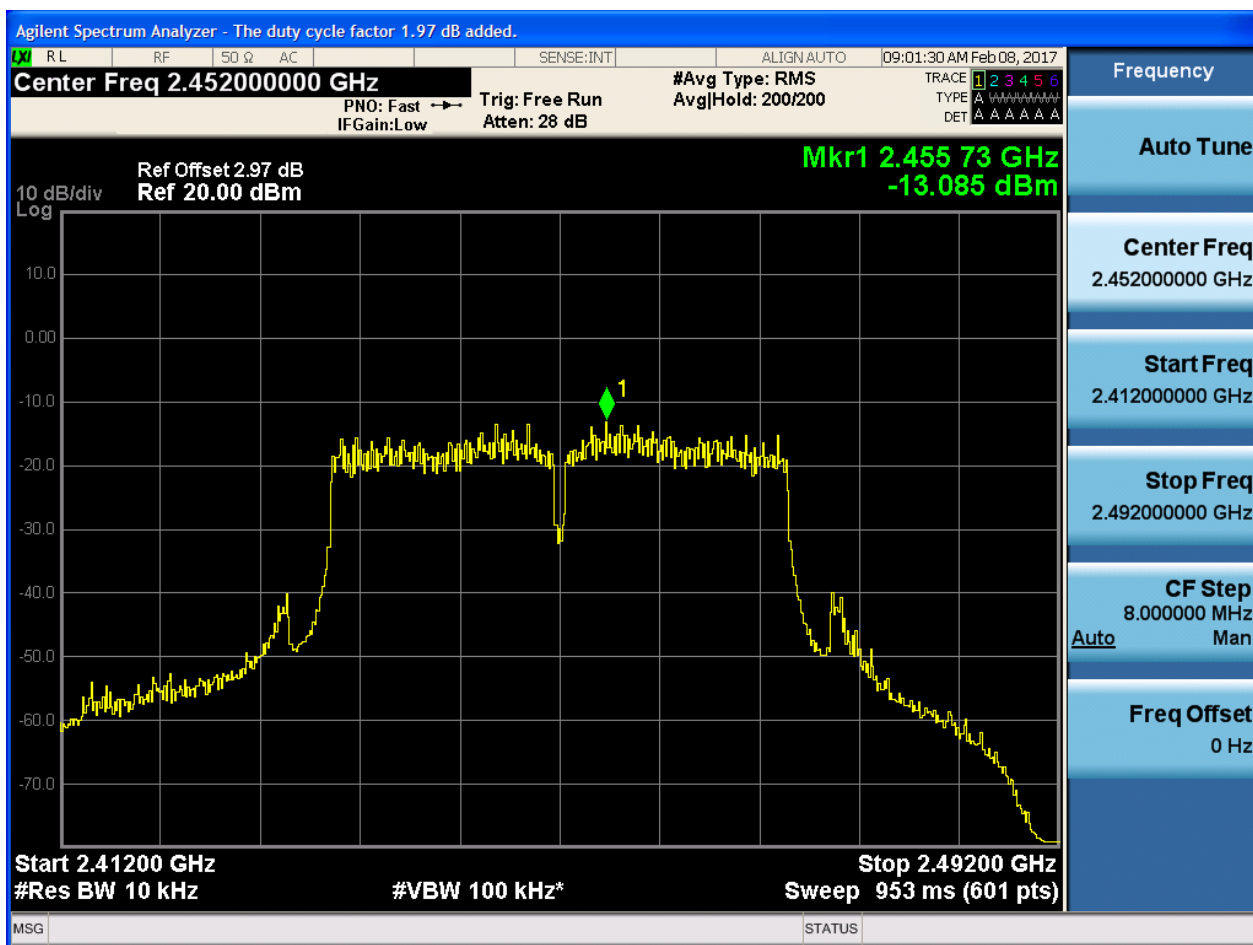


2.28 11N40_M@Ant 2



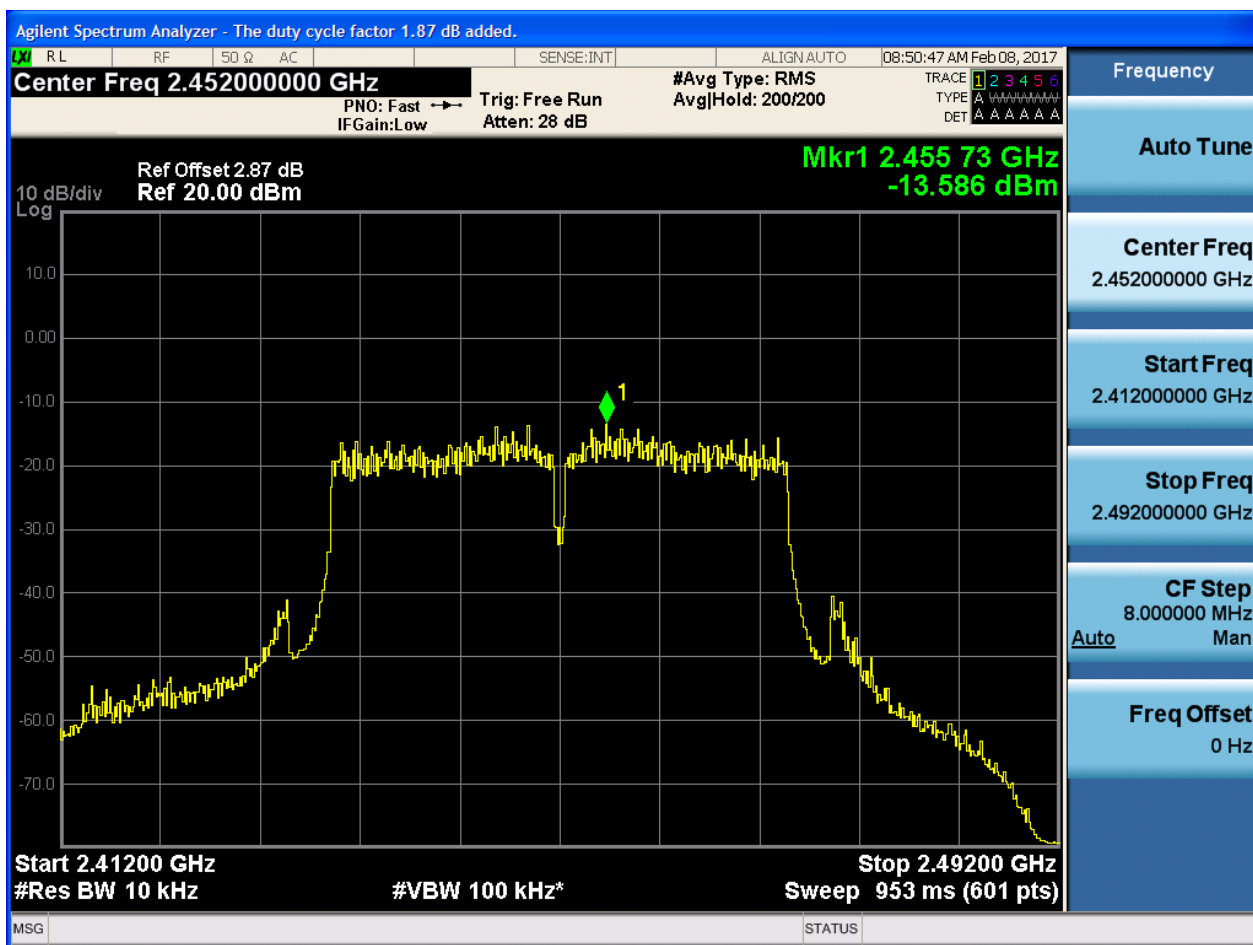


2.29 11N40_H@Ant 1



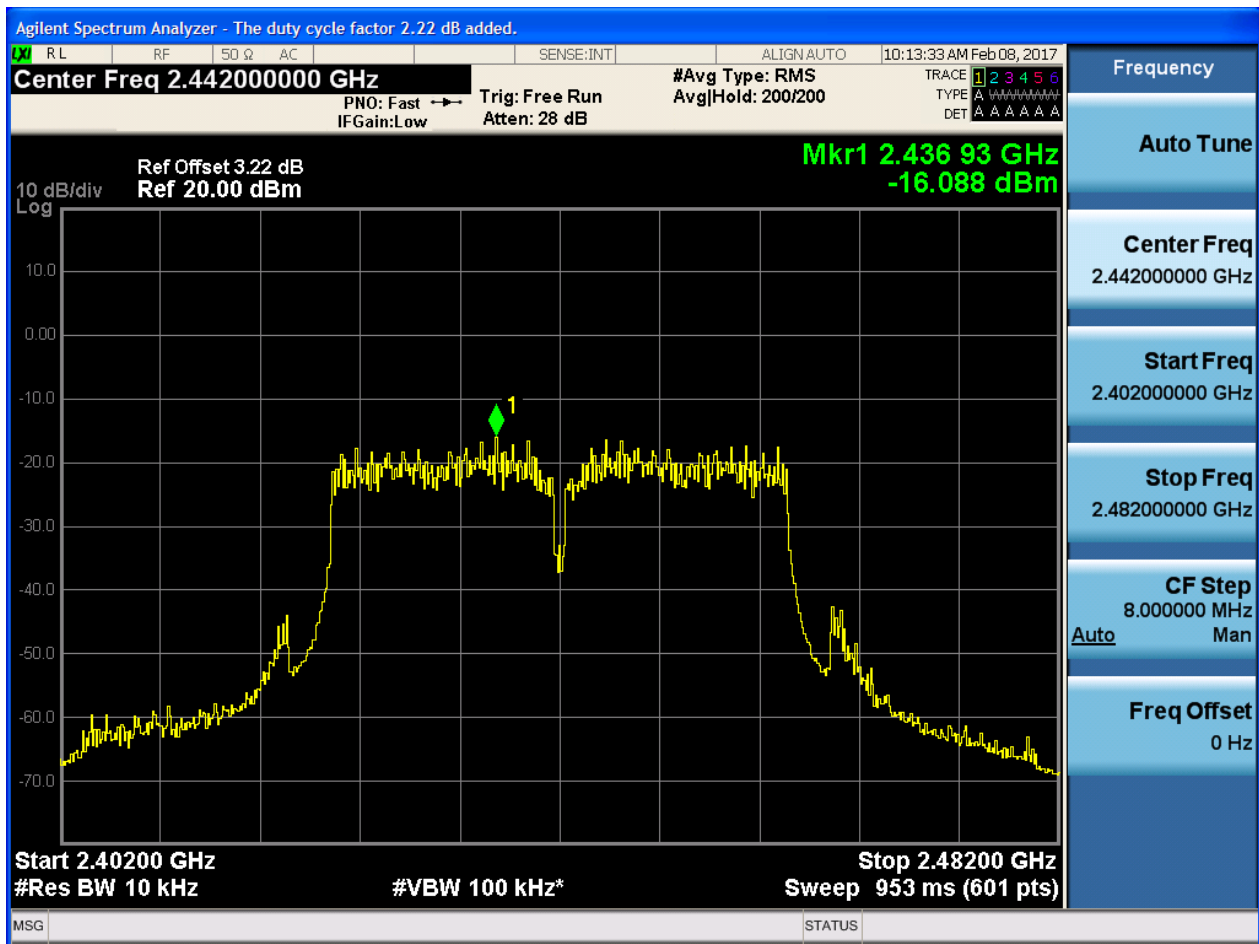


2.30 11N40_H@Ant 2



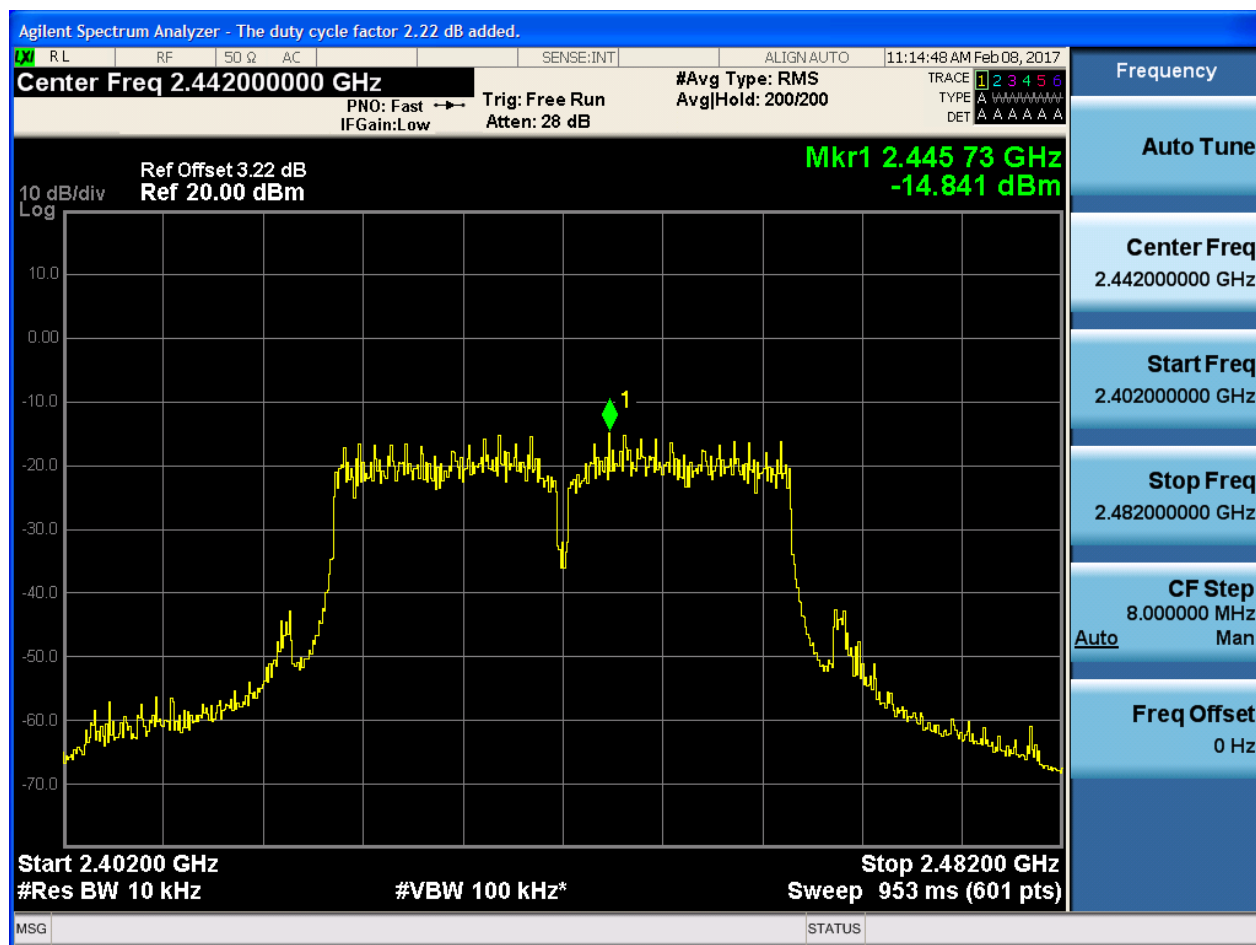


2.31 11N40m_L@Ant 1



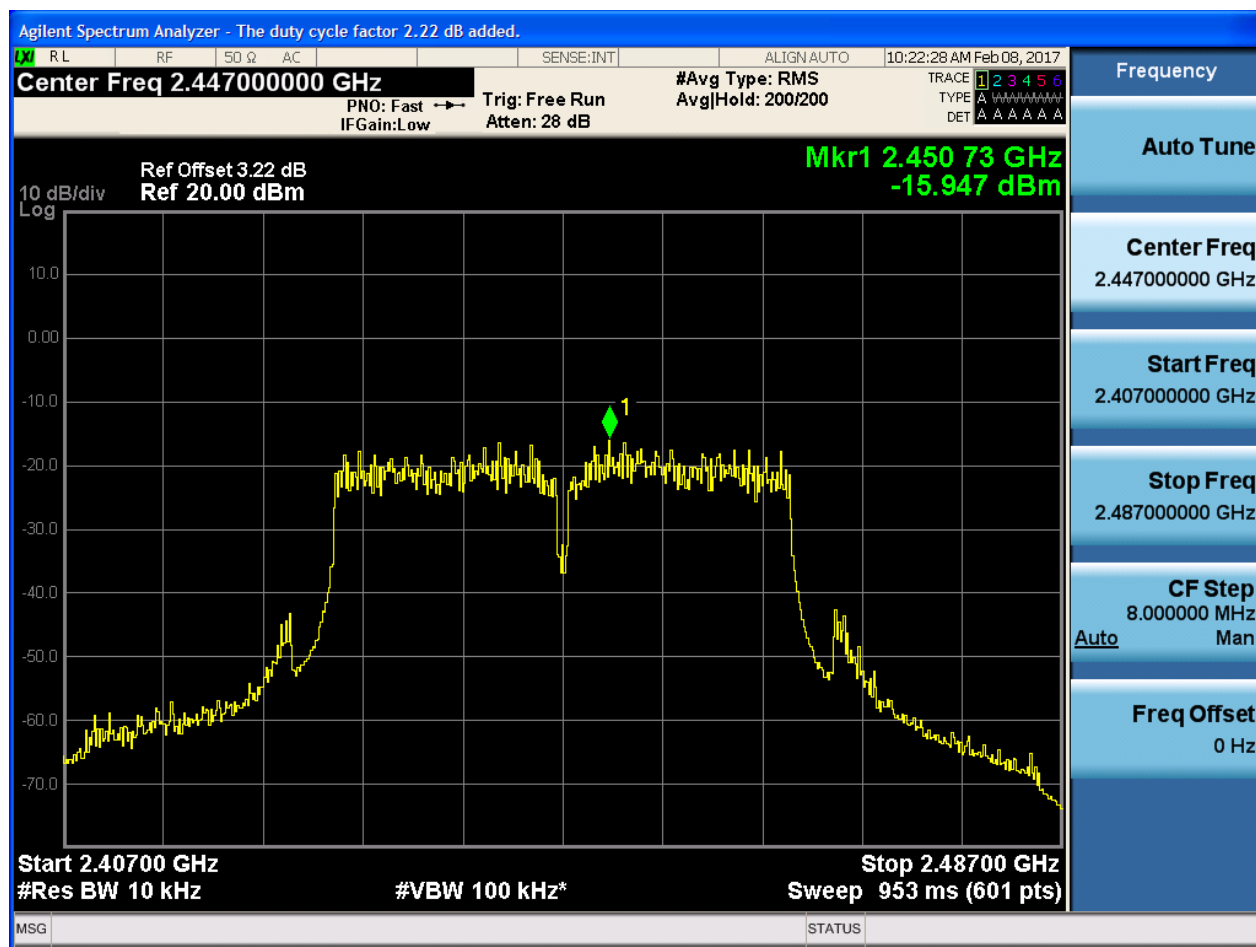


2.32 11N40m_L@Ant 2



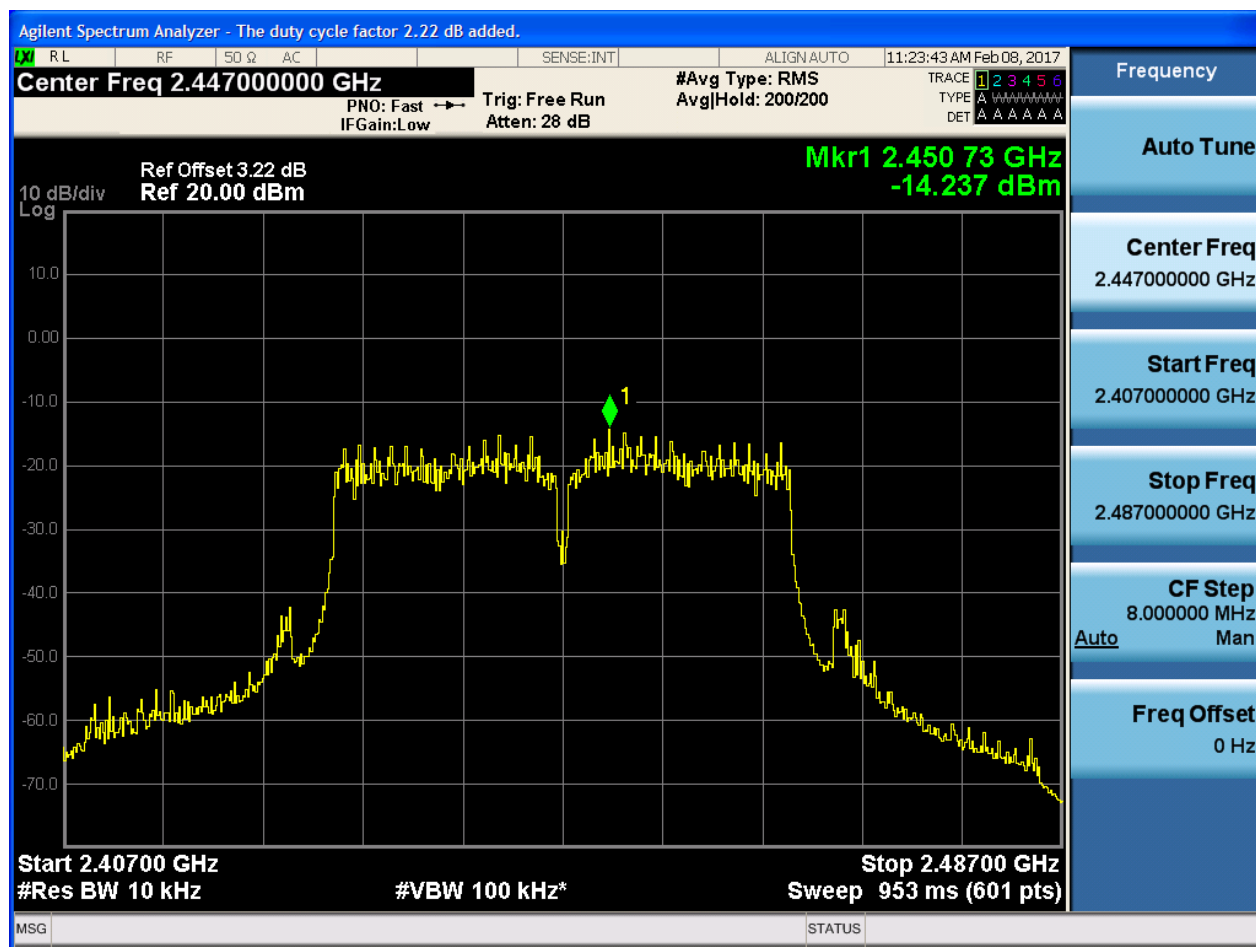


2.33 11N40m_M@Ant 1



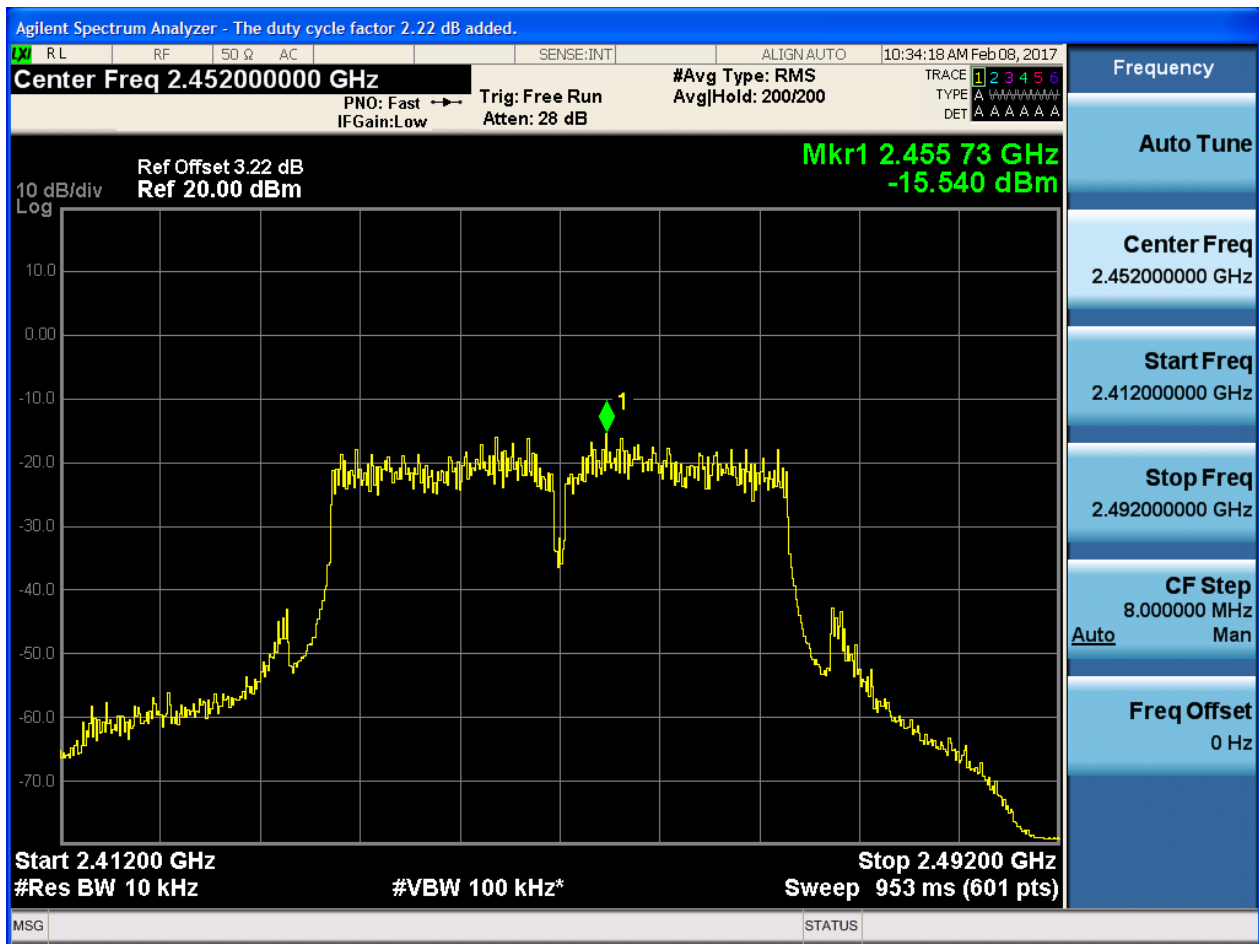


2.34 11N40m_M@Ant 2



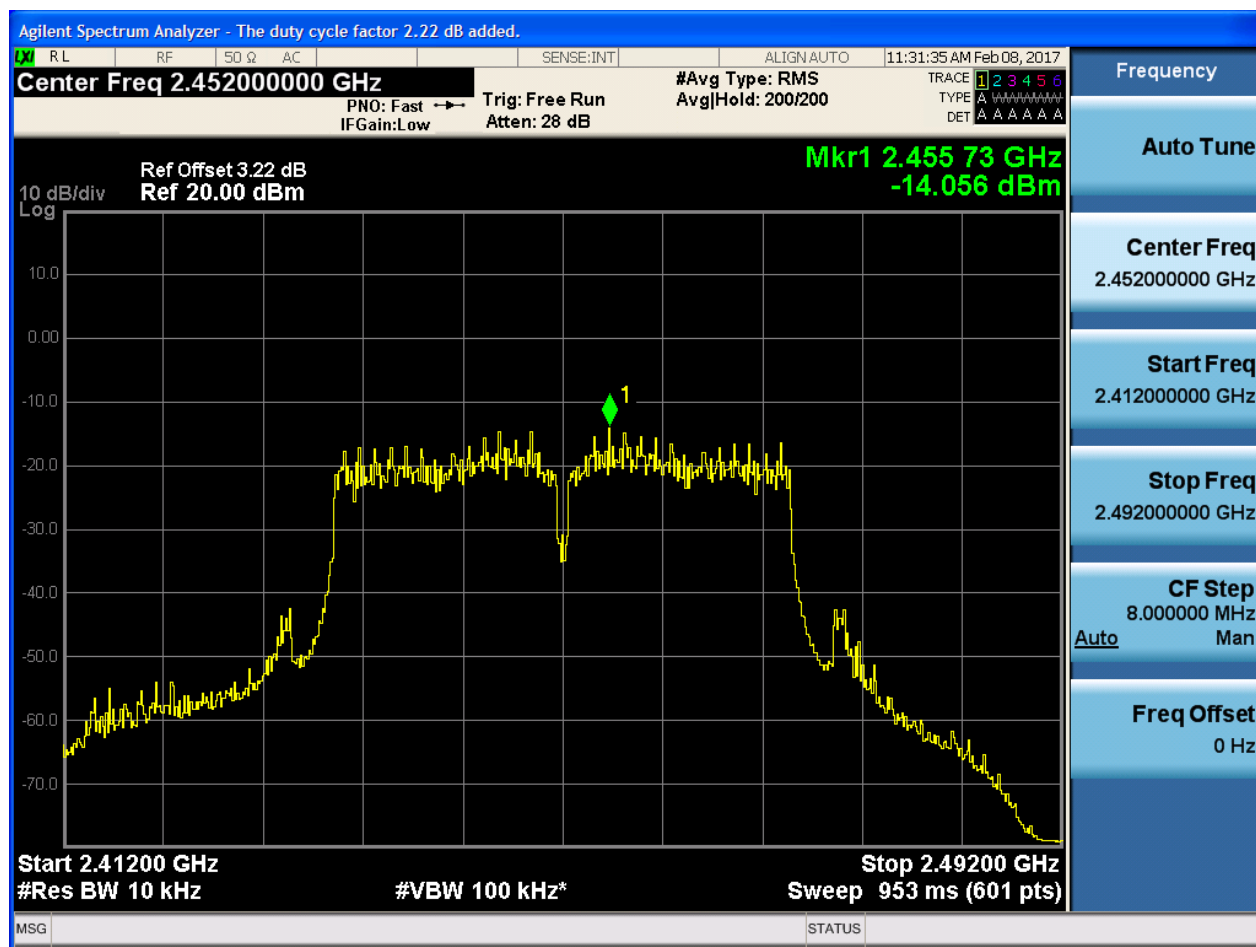


2.35 11N40m_H@Ant 1





2.36 11N40m_H@Ant 2



Appendix F: Band Edges Compliance

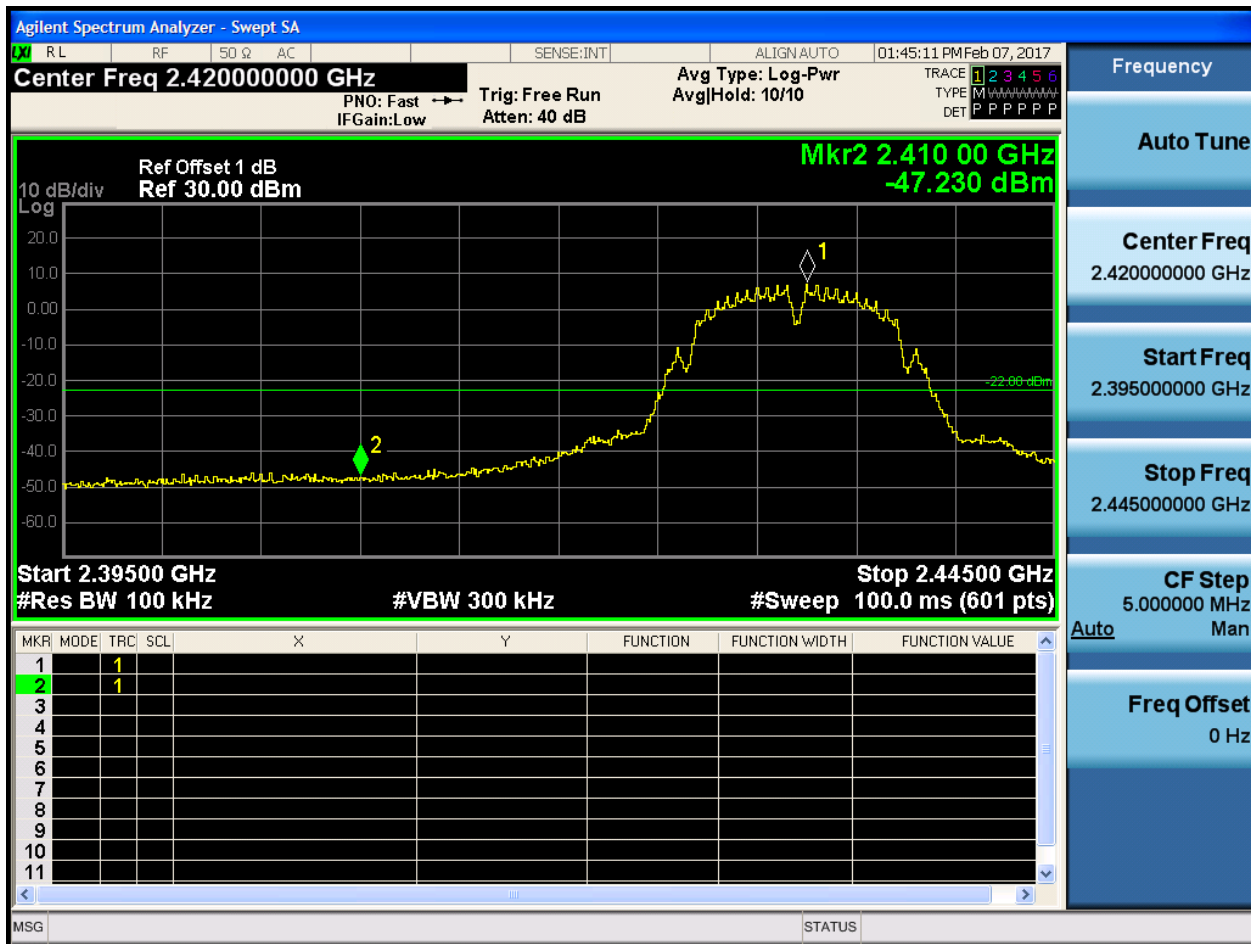
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Carrier Power[dBm]	Max.Spurious Level[dBm]	Verdict
11B	L	2432	Ant 1	7.12	-47.23	pass
11B	L	2432	Ant 2	6.90	-45.92	pass
11B	H	2462	Ant 1	7.70	-48.77	pass
11B	H	2462	Ant 2	7.58	-47.36	pass
11G	L	2432	Ant 1	4.14	-46.00	pass
11G	L	2432	Ant 2	4.60	-44.53	pass
11G	H	2462	Ant 1	4.88	-44.58	pass
11G	H	2462	Ant 2	3.73	-46.00	pass
11N20	L	2432	Ant 1	4.48	-44.04	pass
11N20	L	2432	Ant 2	4.86	-43.76	pass
11N20	H	2462	Ant 1	5.13	-42.89	pass
11N20	H	2462	Ant 2	4.63	-44.72	pass
11N20m	L	2432	Ant 1	2.52	-46.46	pass
11N20m	L	2432	Ant 2	2.51	-44.43	pass
11N20m	H	2462	Ant 1	2.63	-47.58	pass
11N20m	H	2462	Ant 2	2.54	-47.13	pass
11N40	L	2442	Ant 1	2.54	-37.16	pass
11N40	L	2442	Ant 2	2.08	-38.80	pass
11N40	H	2452	Ant 1	3.44	-40.06	pass
11N40	H	2452	Ant 2	2.91	-41.86	pass
11N40m	L	2442	Ant 1	0.37	-42.65	pass
11N40m	L	2442	Ant 2	1.62	-42.49	pass
11N40m	H	2452	Ant 1	0.99	-44.99	pass
11N40m	H	2452	Ant 2	1.65	-43.24	pass



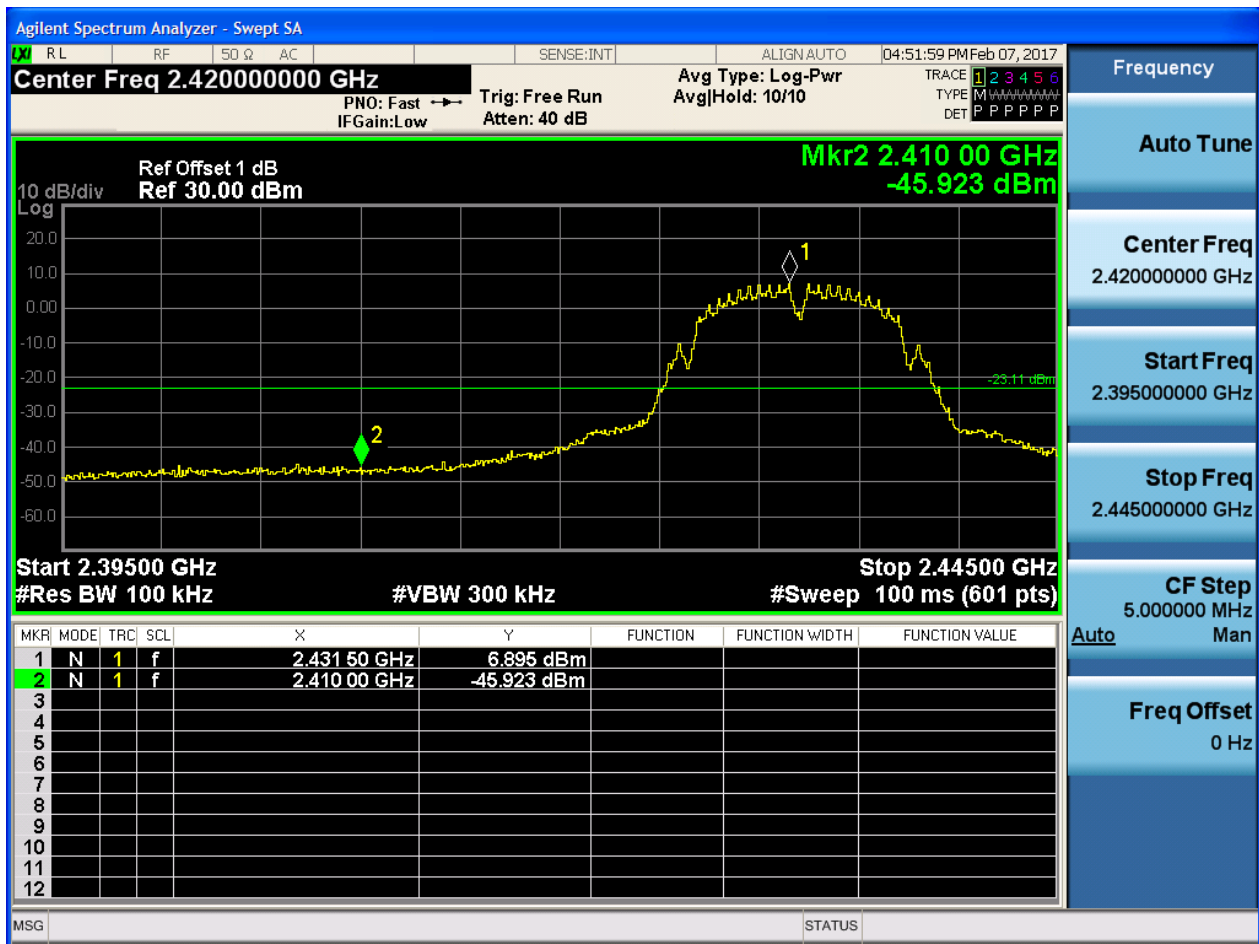
Part II - Test Plots

2.1 11B_L@Ant 1





2.2 11B_L@Ant 2



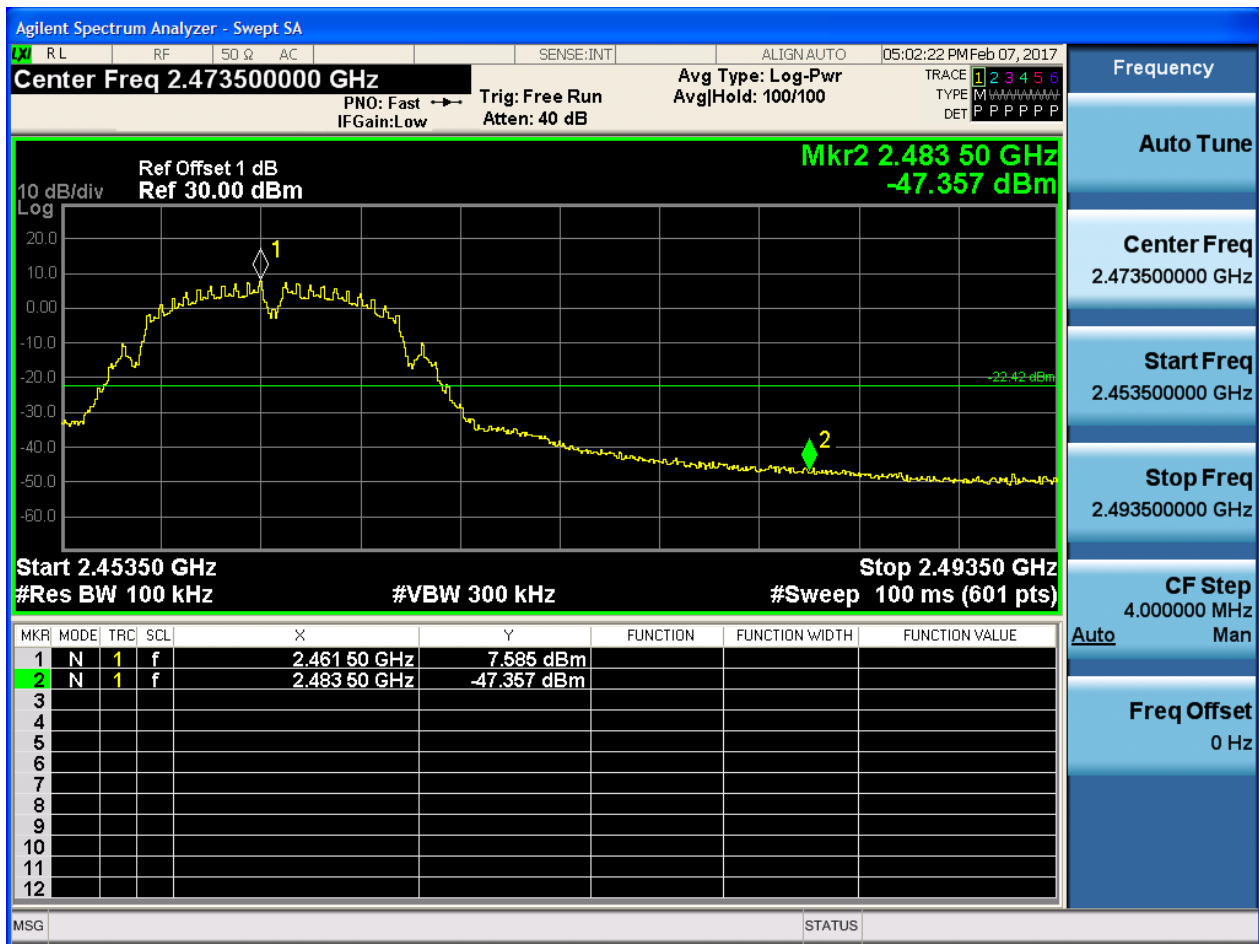


2.3 11B_H@Ant 1



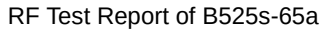


2.4 11B_H@Ant 2



2.5 11G_L@Ant 1





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.42000000 GHz

Ref Offset 1 dB
Ref 30.00 dBm

Mkr2 2.410 00 GHz
-44.528 dBm

Start 2.39500 GHz
#Res BW 100 kHz

Stop 2.44500 GHz
#Sweep 100 ms (601 pts)

#VBW 300 kHz

Trig: Free Run
Atten: 40 dB

Avg Type: Log-Pwr
Avg/Hold: 10/10

Frequency

Auto Tune

Center Freq
2.42000000 GHz

Start Freq
2.395000000 GHz

Stop Freq
2.445000000 GHz

CF Step
5.000000 MHz
Man

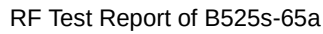
Freq Offset
0 Hz

The spectrum analyzer display shows a swept signal. The horizontal axis represents frequency from 2.395 GHz to 2.445 GHz. The vertical axis represents power in dBm, ranging from -60 dBm to 10 dBm. A yellow trace shows the signal level, which is relatively flat at -50 dBm until approximately 2.405 GHz, where it rises sharply to about -10 dBm and remains there until 2.44 GHz, where it falls back to -50 dBm. A green horizontal line is set at -30 dBm. A yellow marker labeled '2' is placed at 2.410 GHz and -44.528 dBm. Another yellow marker labeled '1' is placed at approximately 2.415 GHz and -10 dBm. The display includes various control buttons and readouts at the top, such as 'Center Freq', 'Ref Offset', 'Mkr2', 'Start', 'Stop', '#Res BW', '#VBW', and '#Sweep'.

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.427 00 GHz	4.596 dBm			
2	N	1	f	2.410 00 GHz	-44.528 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

MSG

STATUS



Agilent Spectrum Analyzer - Swept SA

Center Freq 2.473500000 GHz

Ref Offset 1 dB
Ref 30.00 dBm

Mkr2 2.483 50 GHz
-44.585 dBm

10 dB/div
Log

Start 2.45350 GHz
#Res BW 100 kHz

Stop 2.49350 GHz
#Sweep 100.0 ms (601 pts)

#VBW 300 kHz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.456 97 GHz	4.880 dBm			
2	N	1	f	2.483 50 GHz	-44.585 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.473500000 GHz

Start Freq
2.453500000 GHz

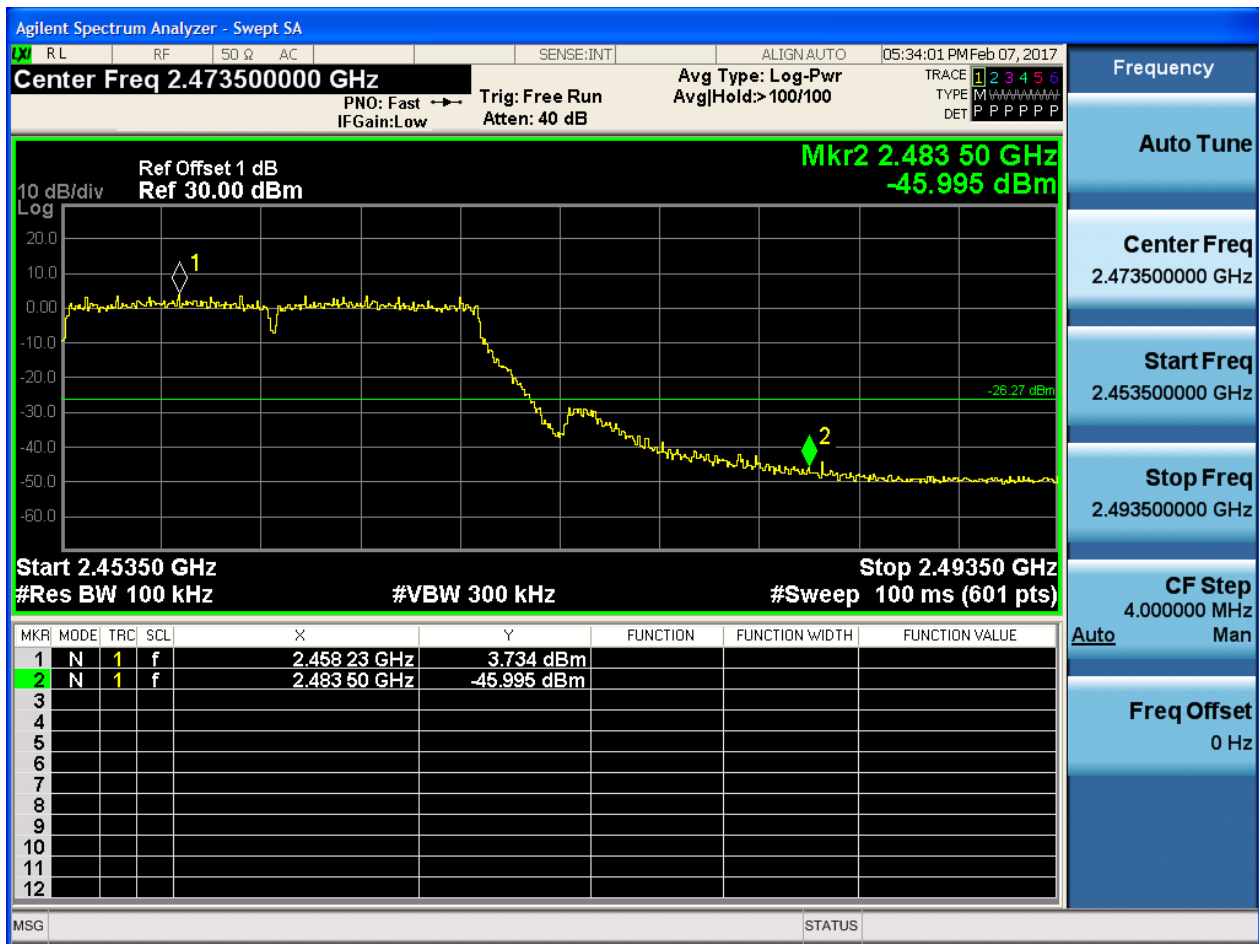
Stop Freq
2.493500000 GHz

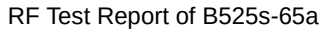
CF Step
4.000000 MHz
Auto

Freq Offset
0 Hz



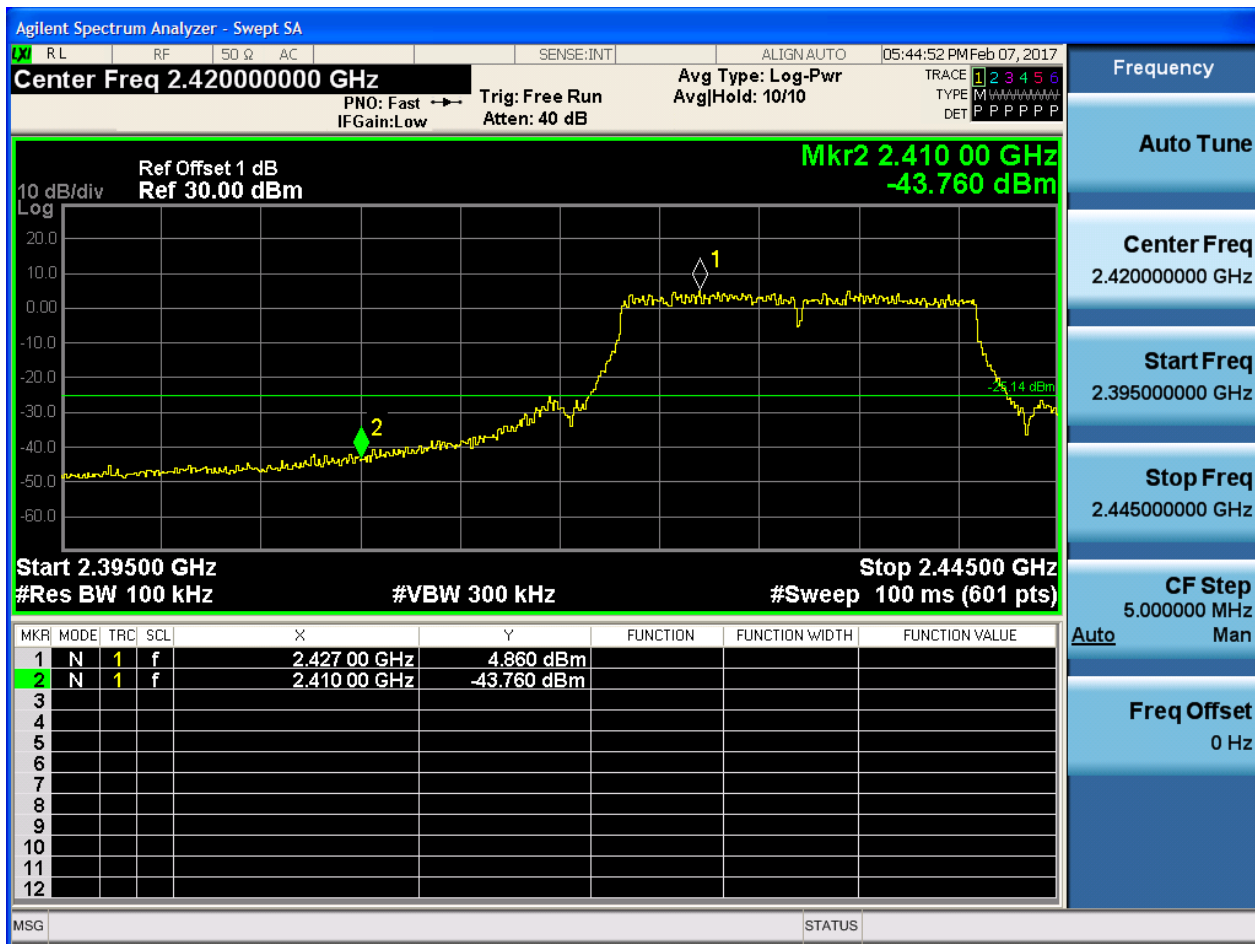
2.8 11G_H@Ant 2



[illegible]



2.10 11N20_L@Ant 2



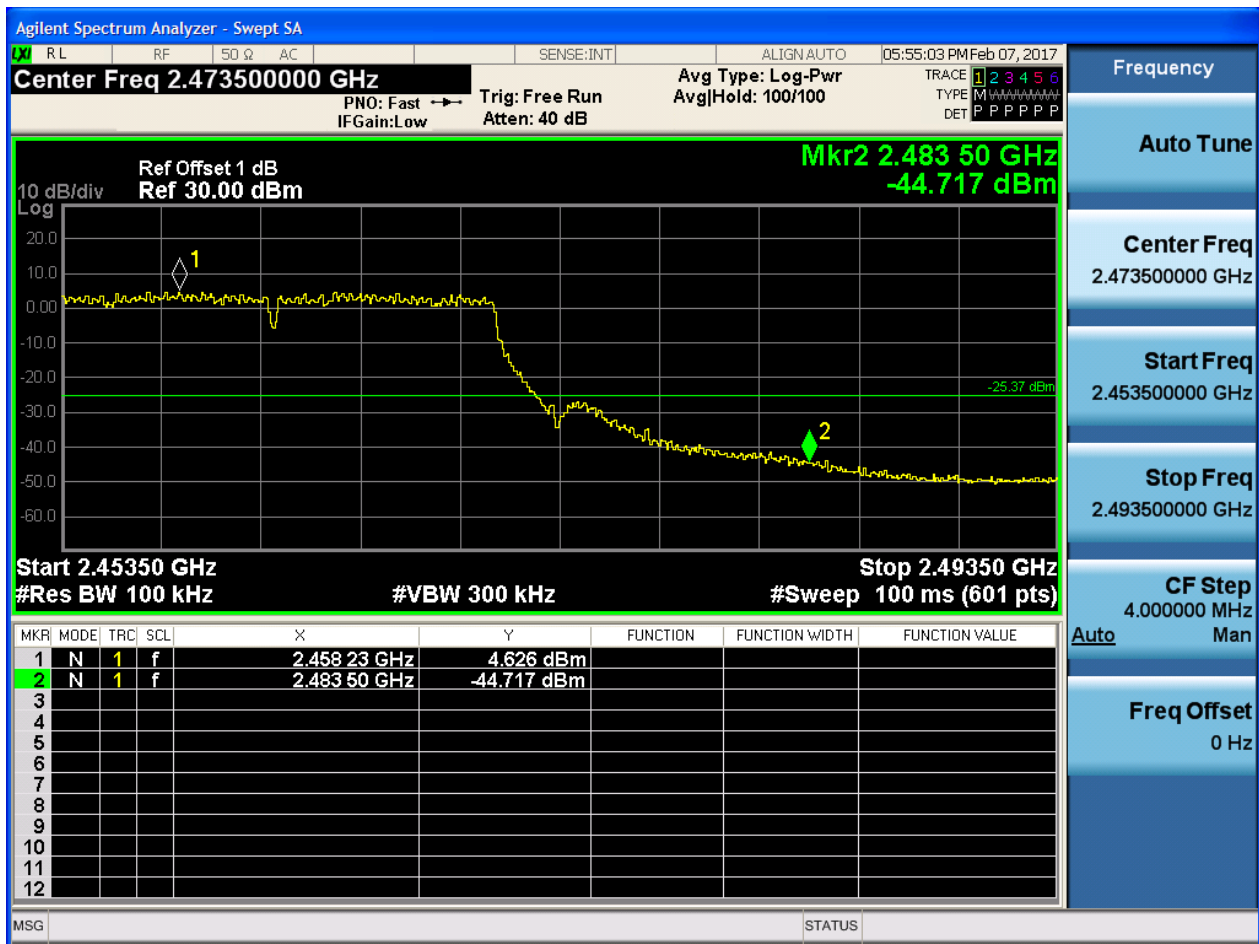


2.11 11N20_H@Ant 1



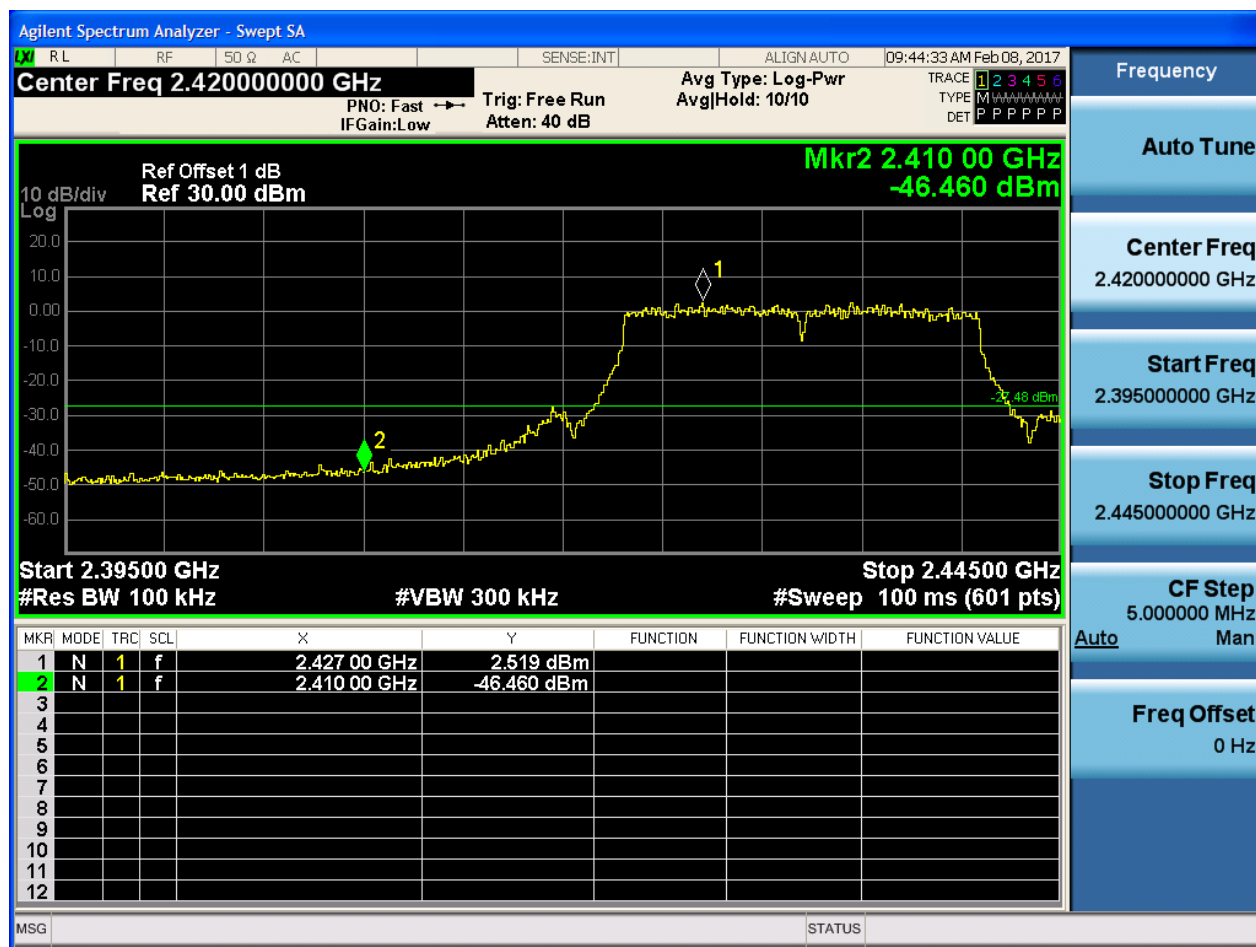


2.12 11N20_H@Ant 2



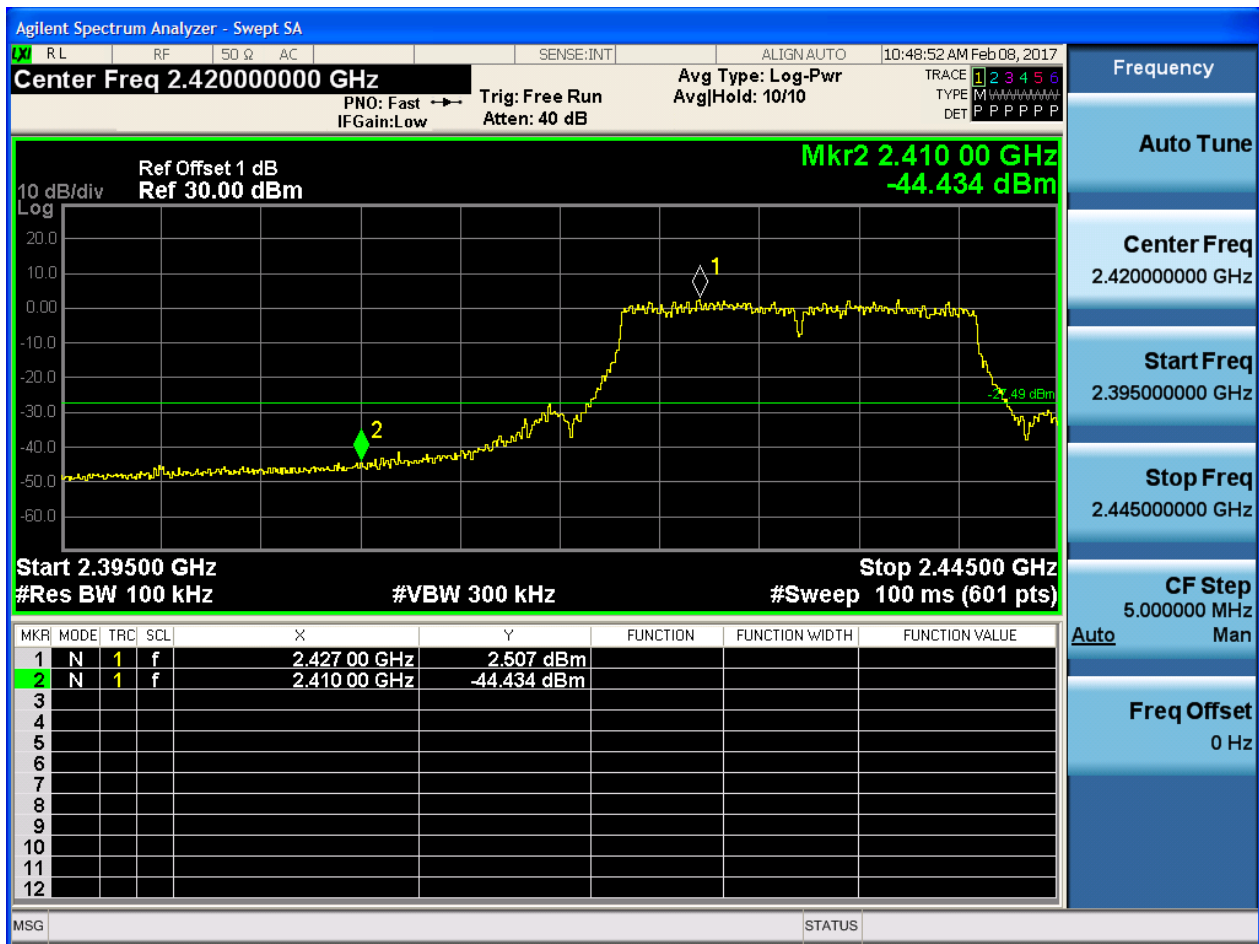


2.13 11N20m_L@Ant 1



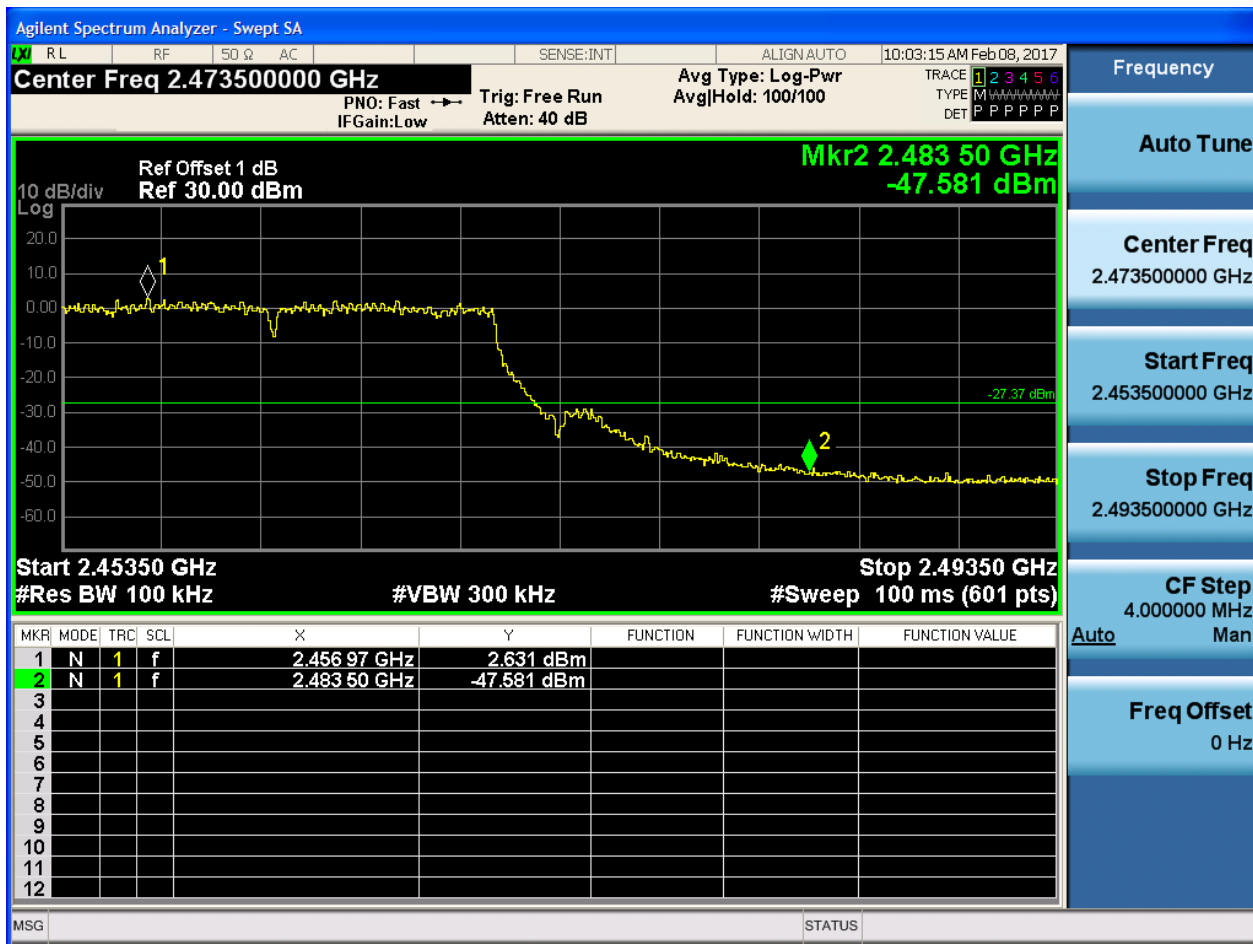


2.14 11N20m_L@Ant 2



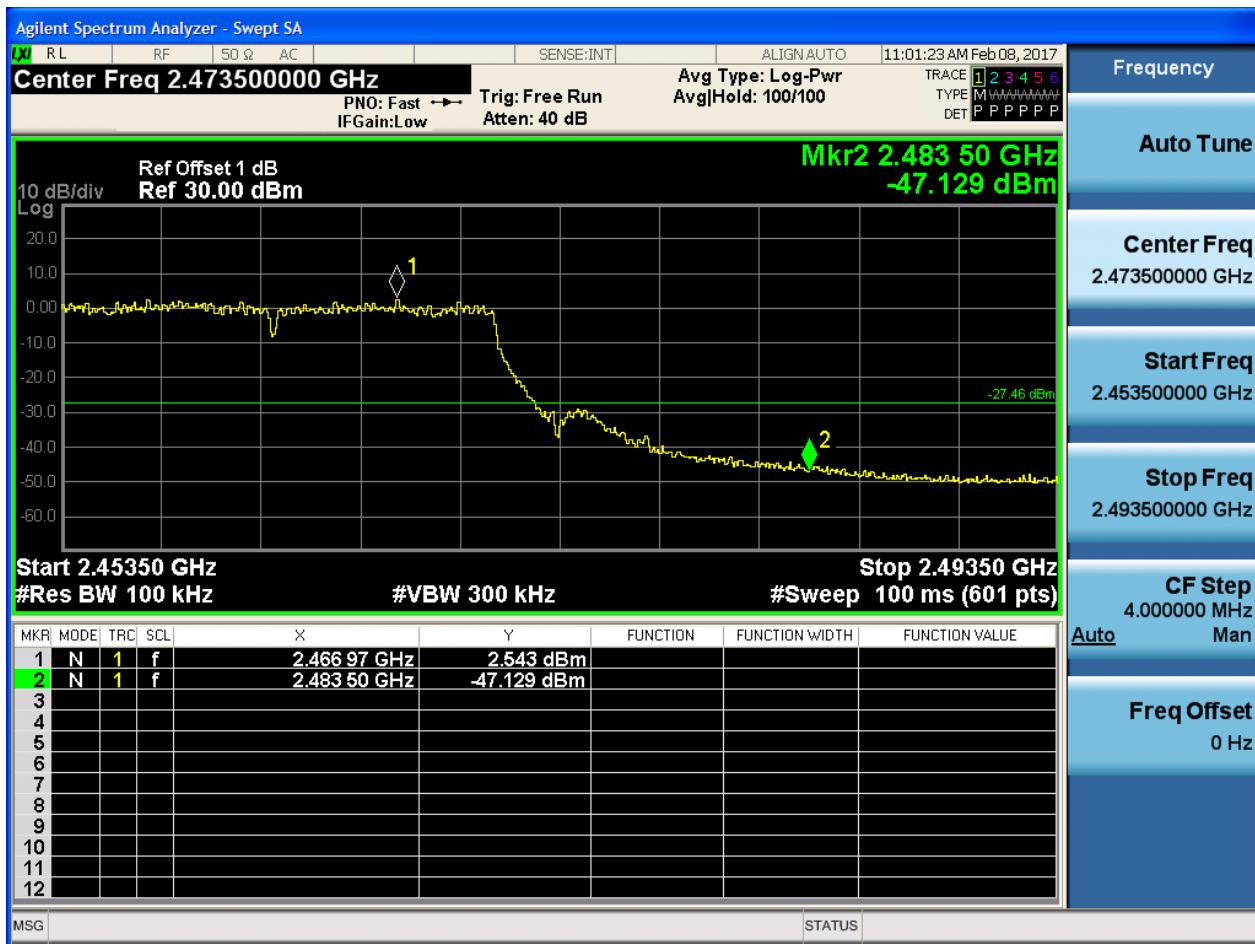


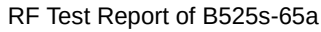
2.15 11N20m_H@Ant 1





2.16 11N20m_H@Ant 2





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.420000000 GHz

Ref Offset 1 dB
Ref 30.00 dBm

Mkr2 2.410 00 GHz
-37.165 dBm

Start 2.39500 GHz
#Res BW 100 kHz

Stop 2.44500 GHz
#Sweep 100.0 ms (601 pts)

#VBW 300 kHz

Trig: Free Run
Atten: 40 dB

Avg Type: Log-Pwr
AveHld: 10/10

Frequency

Auto Tune

Center Freq
2.420000000 GHz

Start Freq
2.395000000 GHz

Stop Freq
2.445000000 GHz

CF Step
5.000000 MHz
Man

Freq Offset
0 Hz

10 dB/div
Log

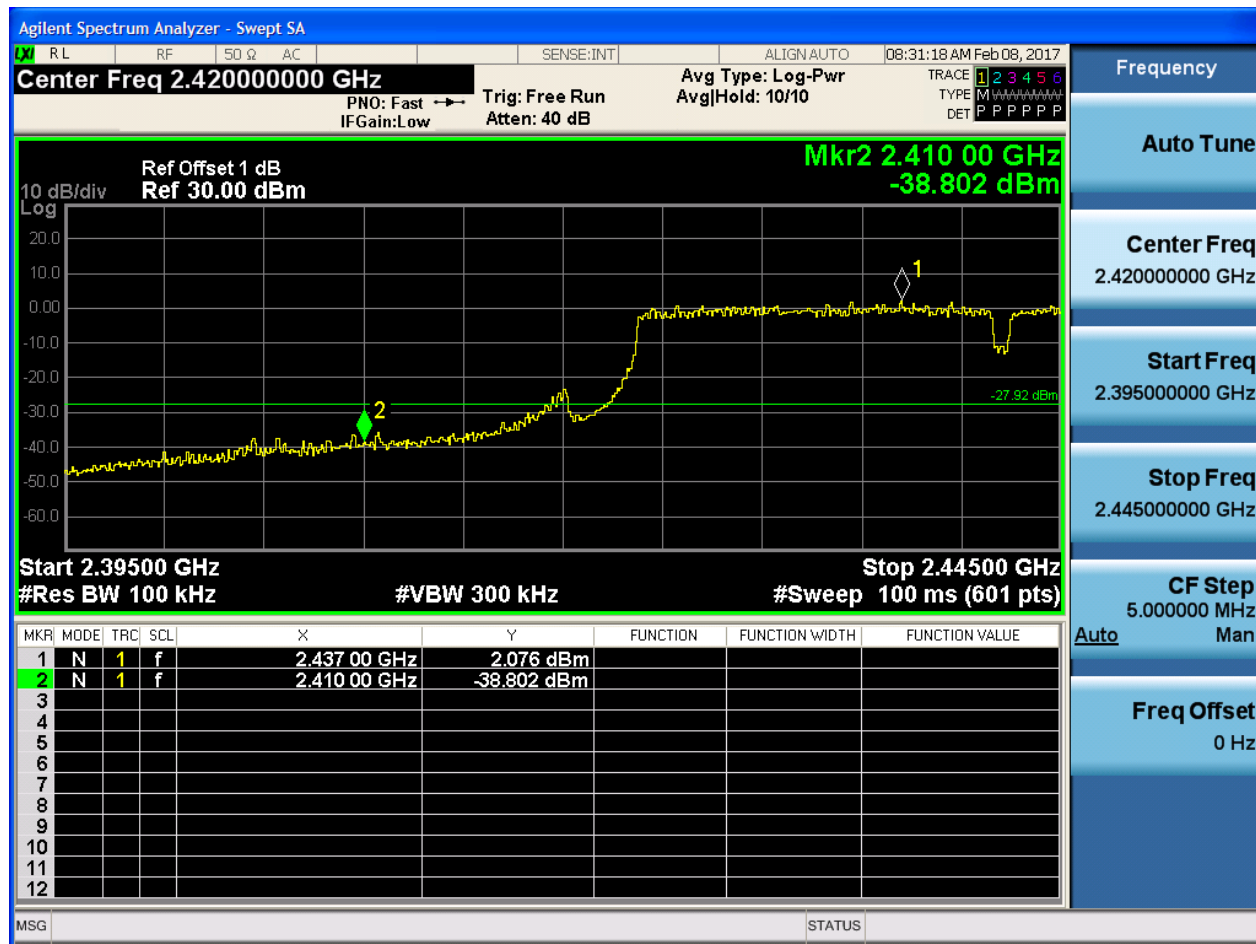
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.437 00 GHz	2.544 dBm			
2	N	1	f	2.410 00 GHz	-37.165 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS



2.18 11N40_L@Ant 2





2.19 11N40_H@Ant 1



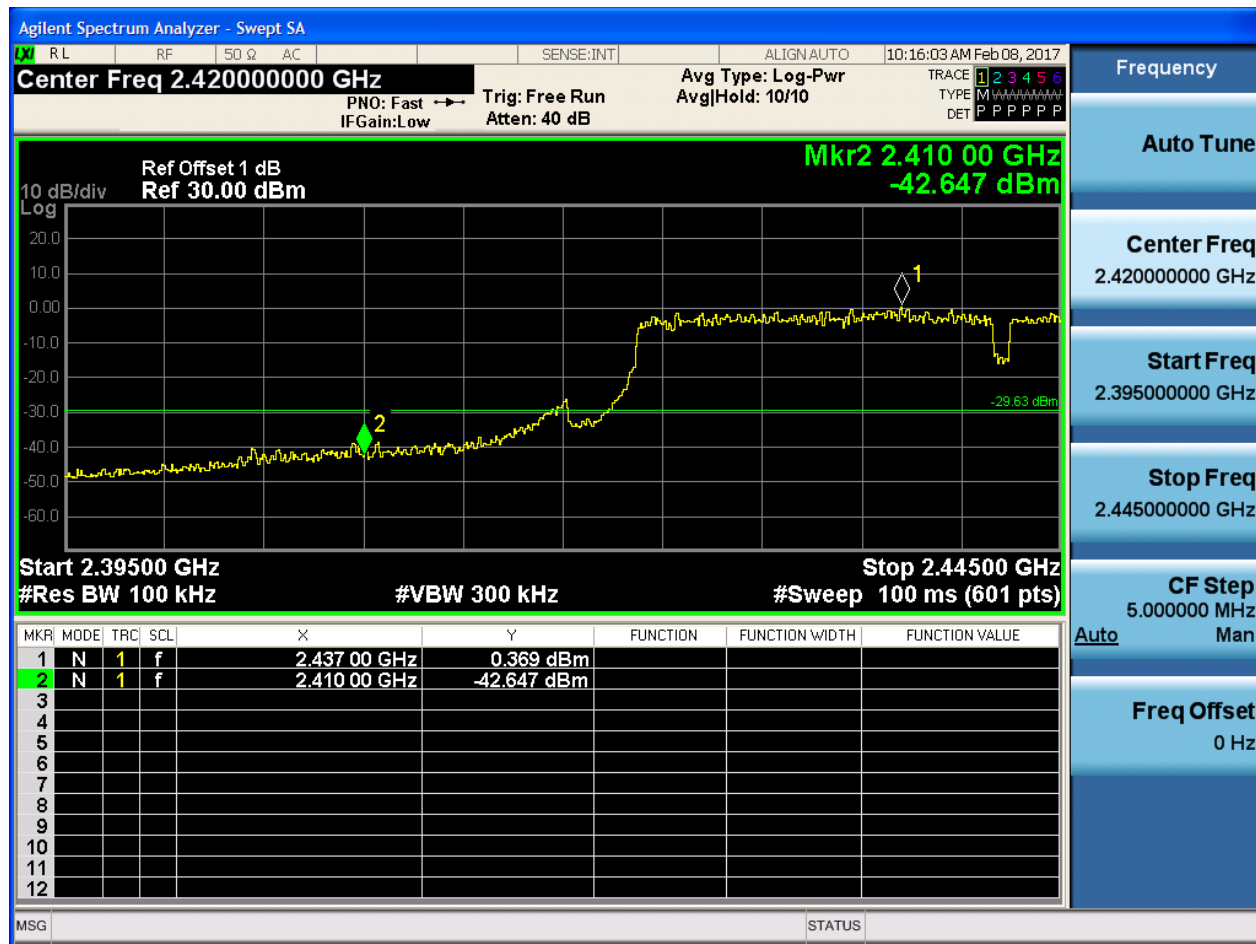


2.20 11N40_H@Ant 2





2.21 11N40m_L@Ant 1





2.22 11N40m_L@Ant 2



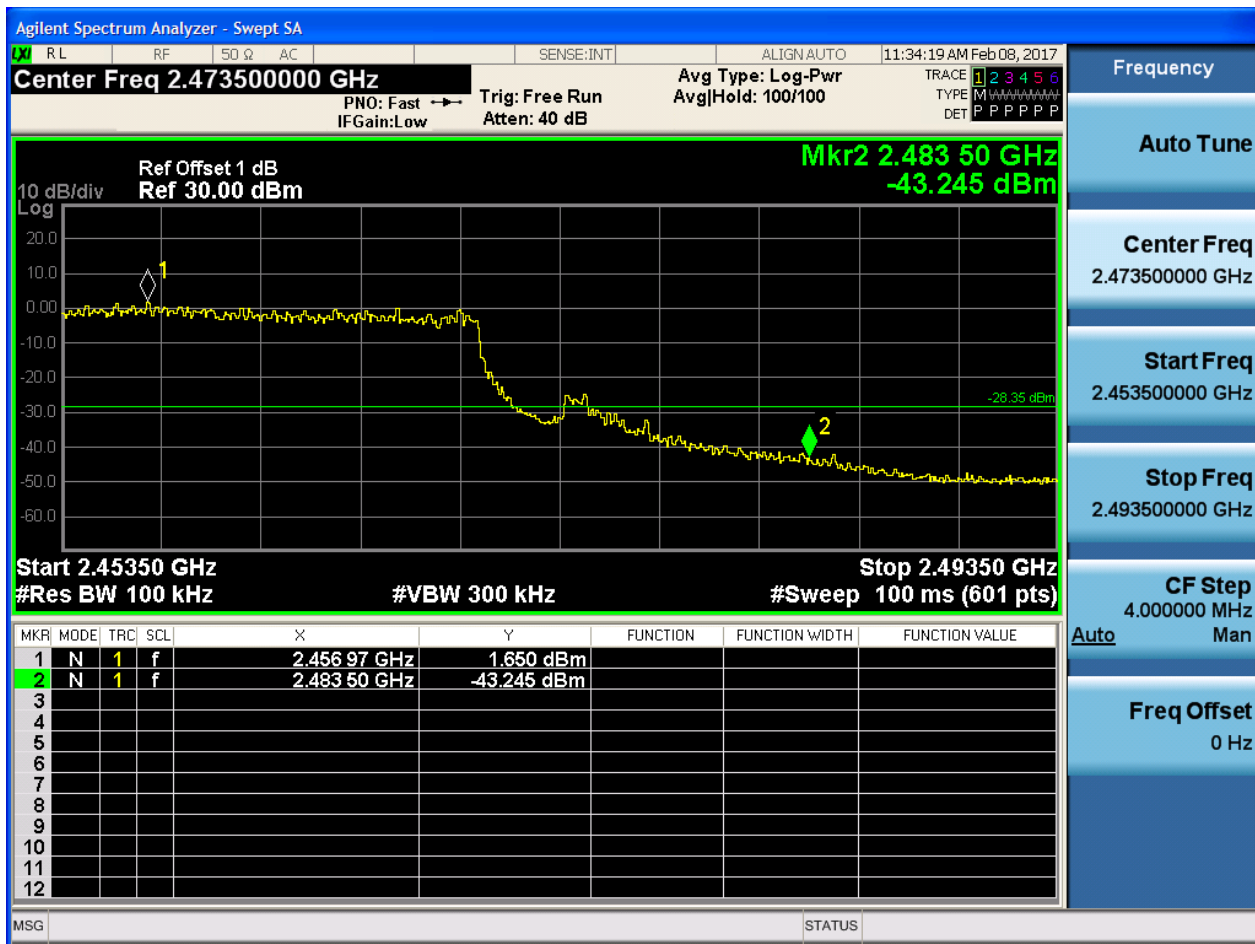


2.23 11N40m_H@Ant 1





2.24 11N40m_H@Ant 2



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

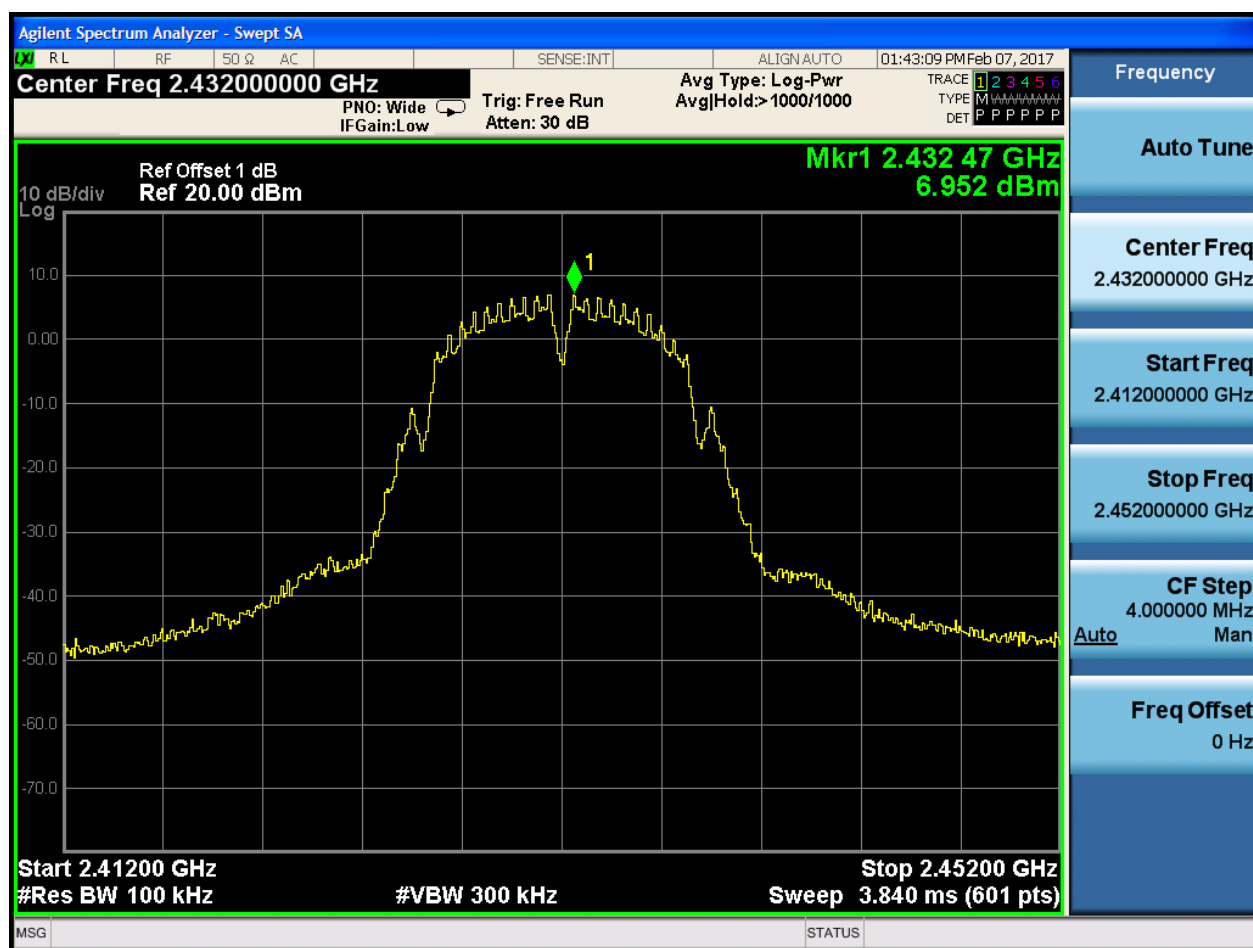
Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11B	L	2432	Ant 1	6.95	<limit	pass
11B	L	2432	Ant 2	7.42	<limit	pass
11B	M	2447	Ant 1	7.85	<limit	pass
11B	M	2447	Ant 2	7.46	<limit	pass
11B	H	2462	Ant 1	7.92	<limit	pass
11B	H	2462	Ant 2	7.37	<limit	pass
11G	L	2432	Ant 1	4.20	<limit	pass
11G	L	2432	Ant 2	4.46	<limit	pass
11G	M	2447	Ant 1	5.14	<limit	pass
11G	M	2447	Ant 2	4.88	<limit	pass
11G	H	2462	Ant 1	4.97	<limit	pass
11G	H	2462	Ant 2	4.62	<limit	pass
11N20	L	2432	Ant 1	4.65	<limit	pass
11N20	L	2432	Ant 2	4.95	<limit	pass
11N20	M	2447	Ant 1	5.42	<limit	pass
11N20	M	2447	Ant 2	5.14	<limit	pass
11N20	H	2462	Ant 1	5.25	<limit	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11N20	H	2462	Ant 2	5.18	<limit	pass
11N20m	L	2432	Ant 1	2.68	<limit	pass
11N20m	L	2432	Ant 2	2.56	<limit	pass
11N20m	M	2447	Ant 1	2.83	<limit	pass
11N20m	M	2447	Ant 2	3.29	<limit	pass
11N20m	H	2462	Ant 1	2.72	<limit	pass
11N20m	H	2462	Ant 2	2.60	<limit	pass
11N40	L	2442	Ant 1	2.77	<limit	pass
11N40	L	2442	Ant 2	2.33	<limit	pass
11N40	M	2447	Ant 1	3.22	<limit	pass
11N40	M	2447	Ant 2	2.92	<limit	pass
11N40	H	2452	Ant 1	3.50	<limit	pass
11N40	H	2452	Ant 2	3.00	<limit	pass
11N40m	L	2442	Ant 1	0.42	<limit	pass
11N40m	L	2442	Ant 2	1.58	<limit	pass
11N40m	M	2447	Ant 1	0.76	<limit	pass
11N40m	M	2447	Ant 2	1.62	<limit	pass
11N40m	H	2452	Ant 1	1.07	<limit	pass
11N40m	H	2452	Ant 2	2.11	<limit	pass

Part II - Test Plots

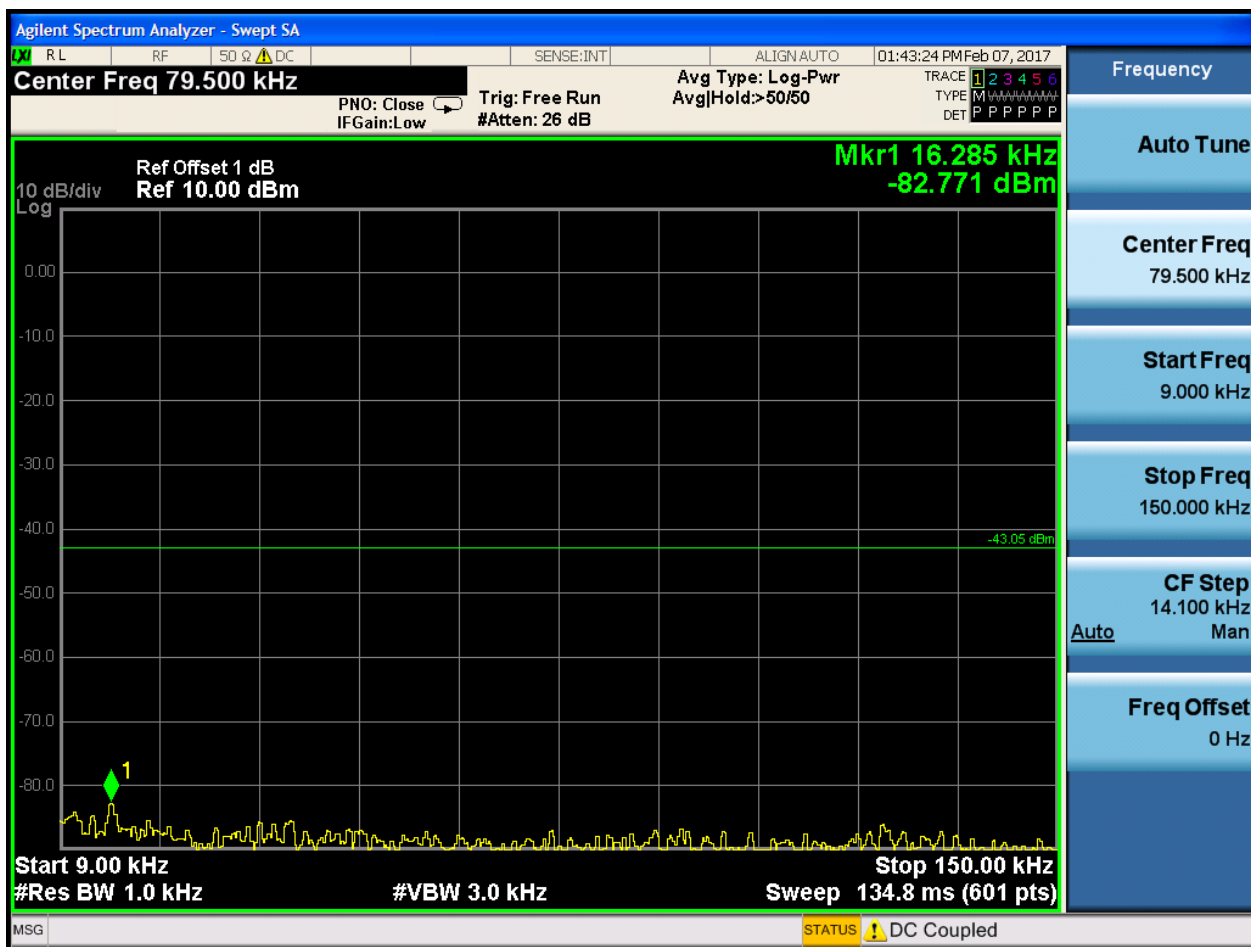
2.1 11B L@Ant 1

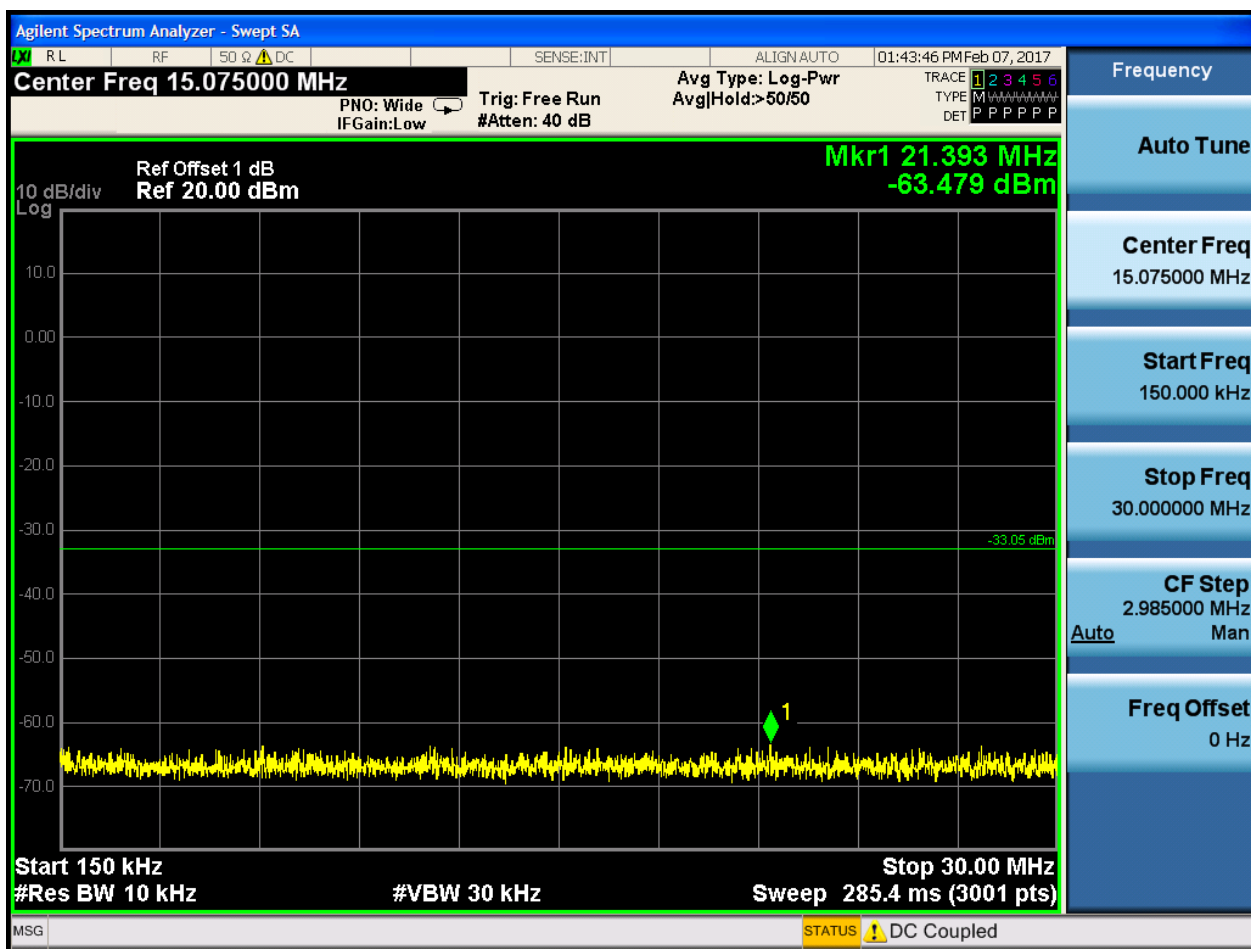
Pref:

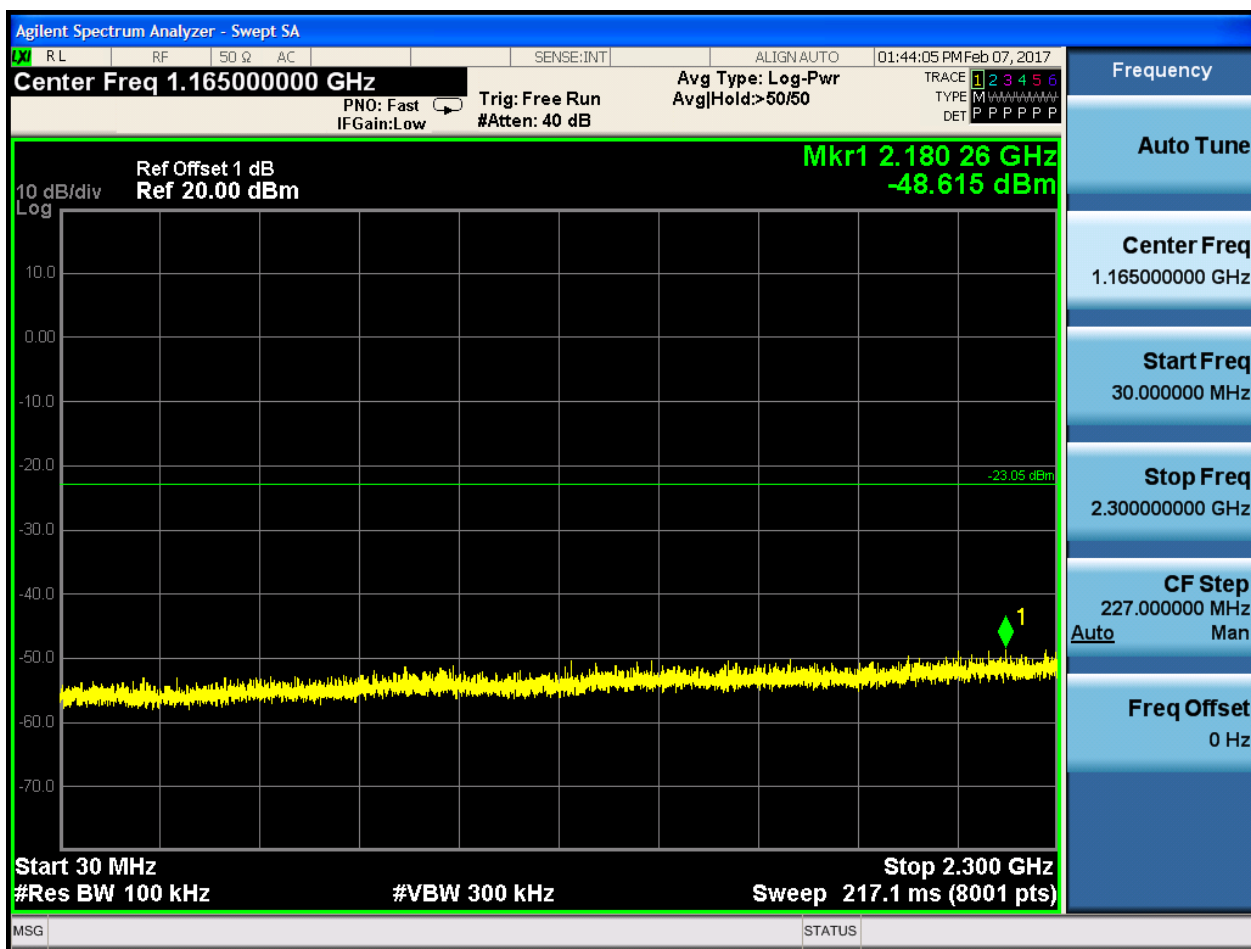


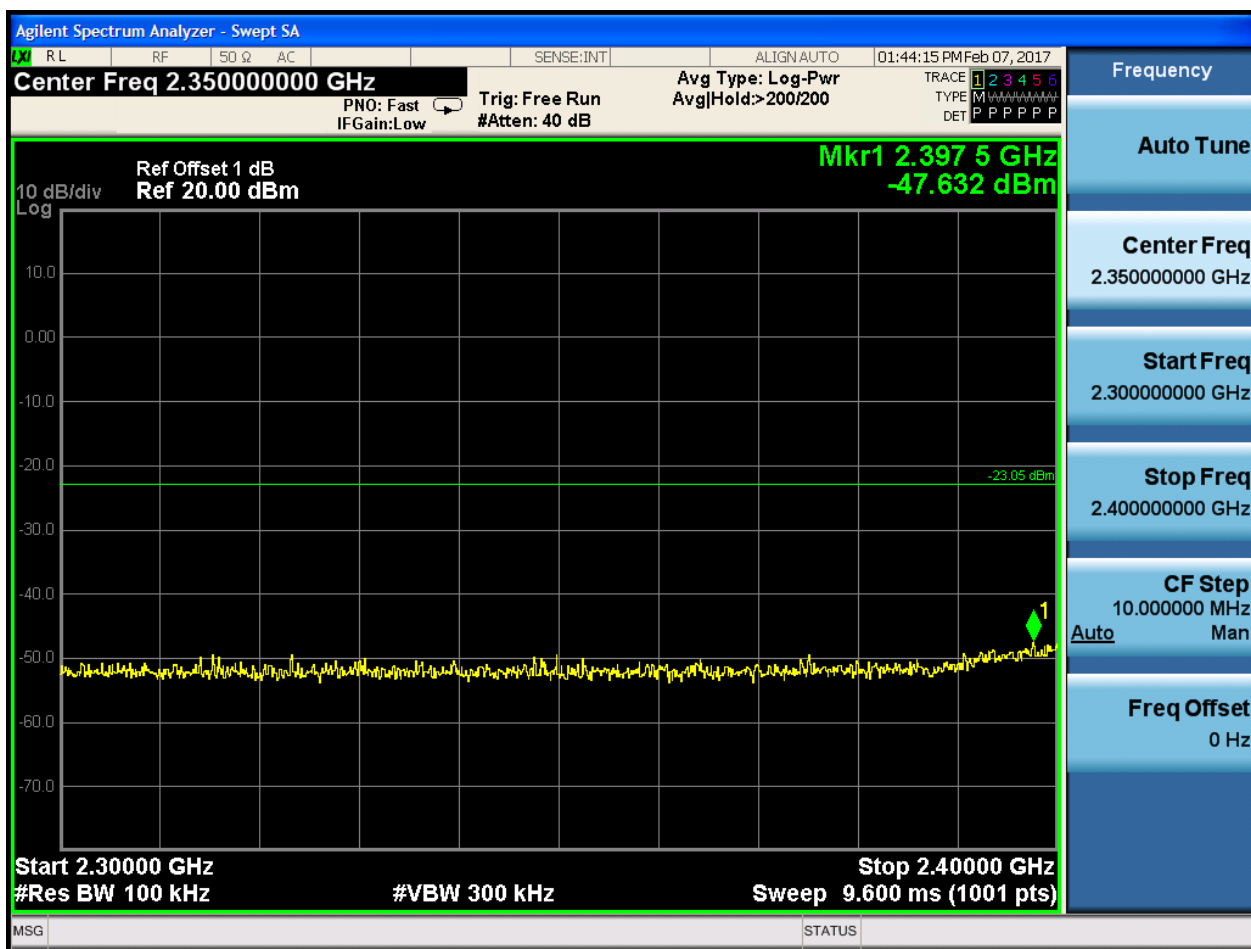


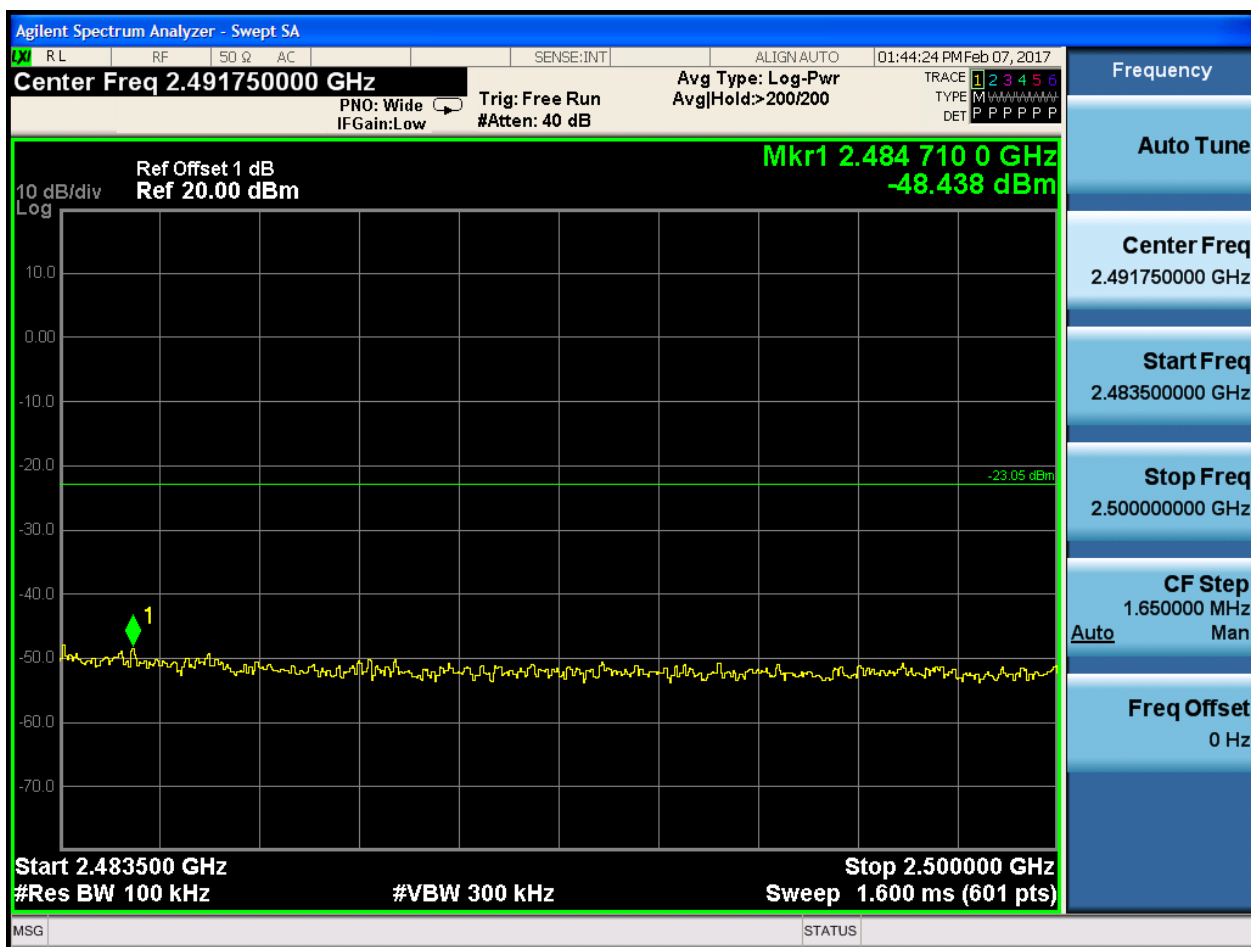
Puw:









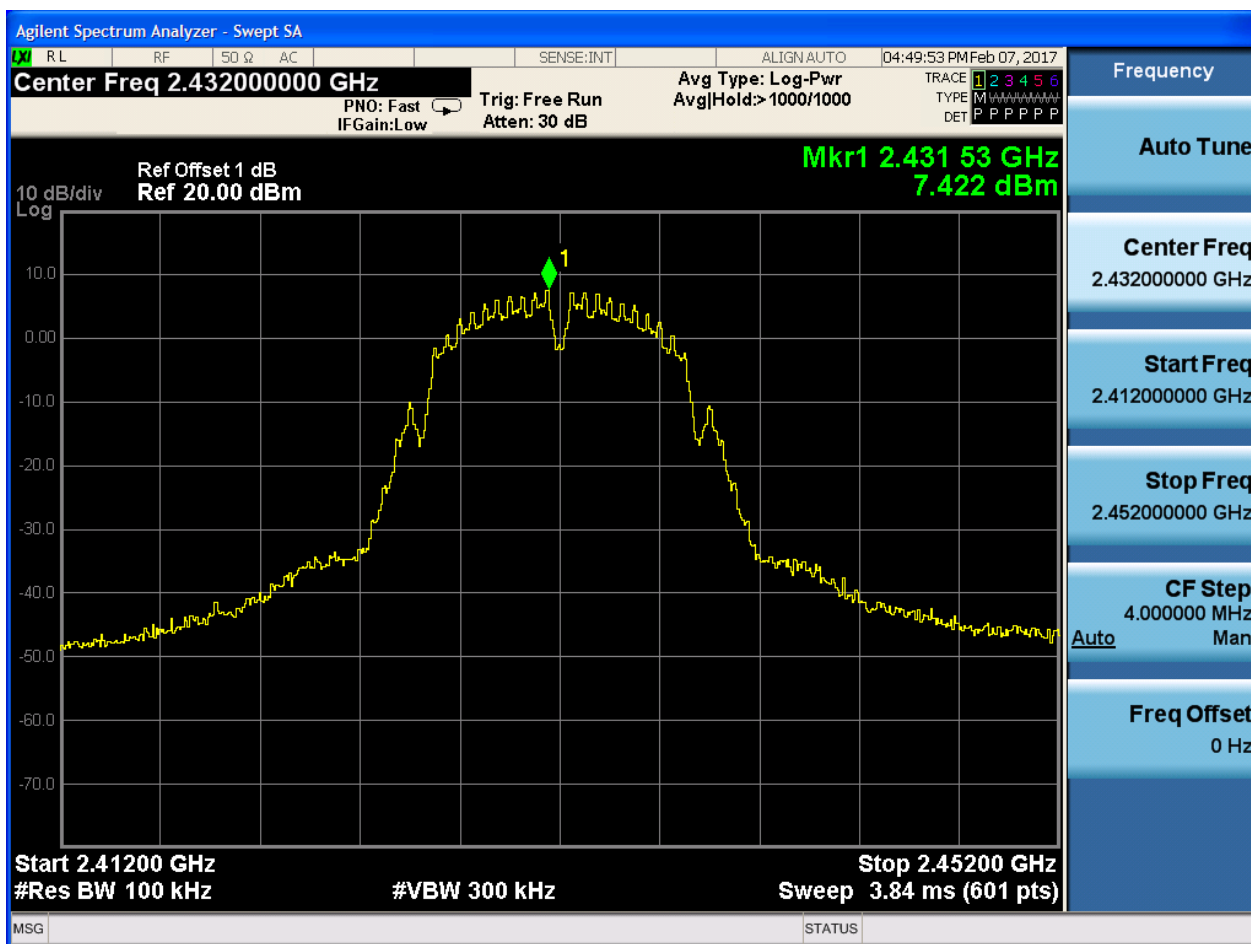






2.2 11B_L@Ant 2

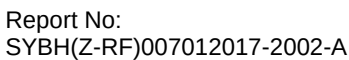
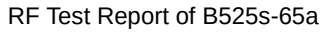
Pref:

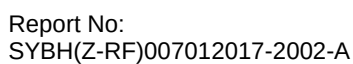
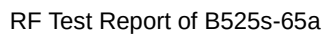


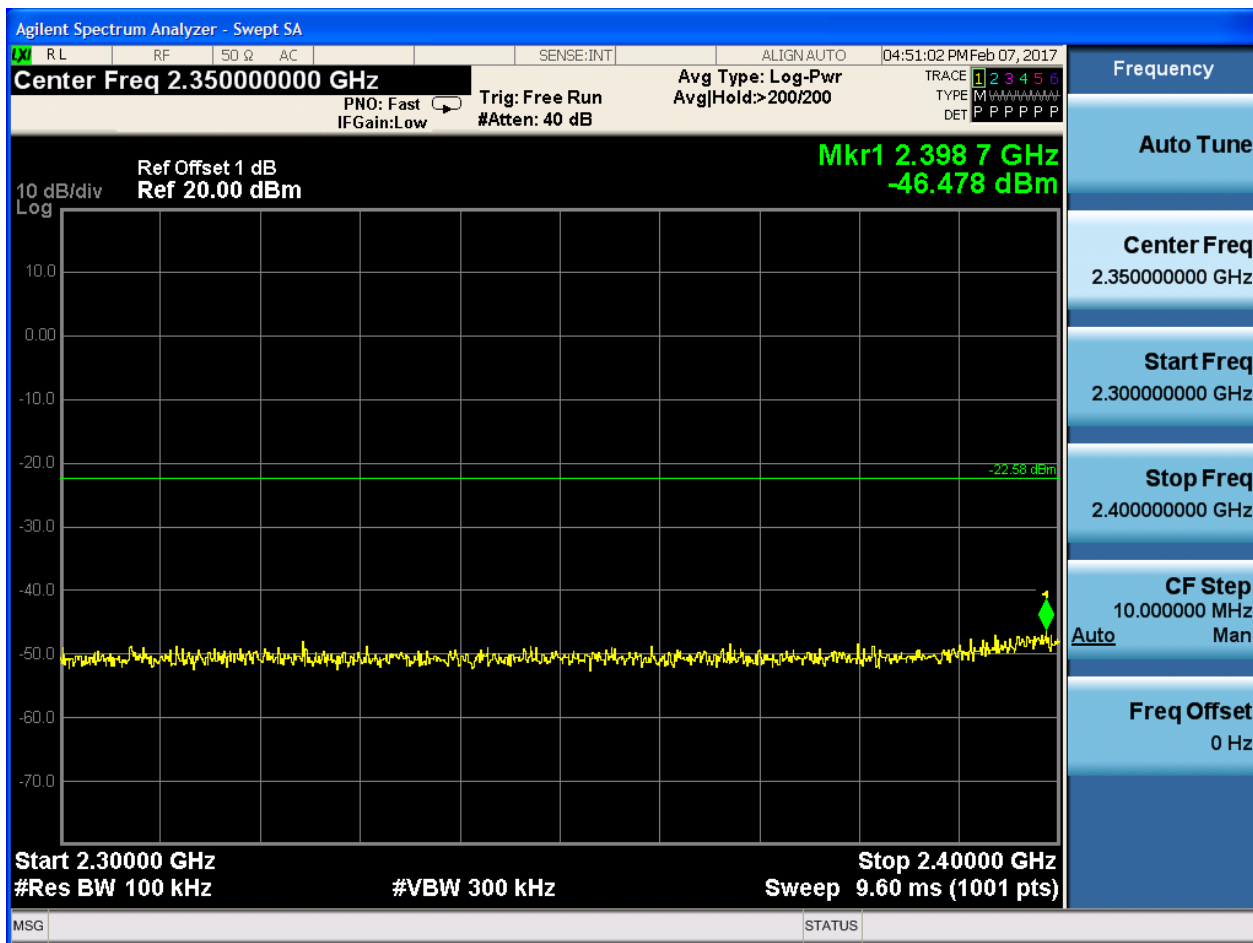


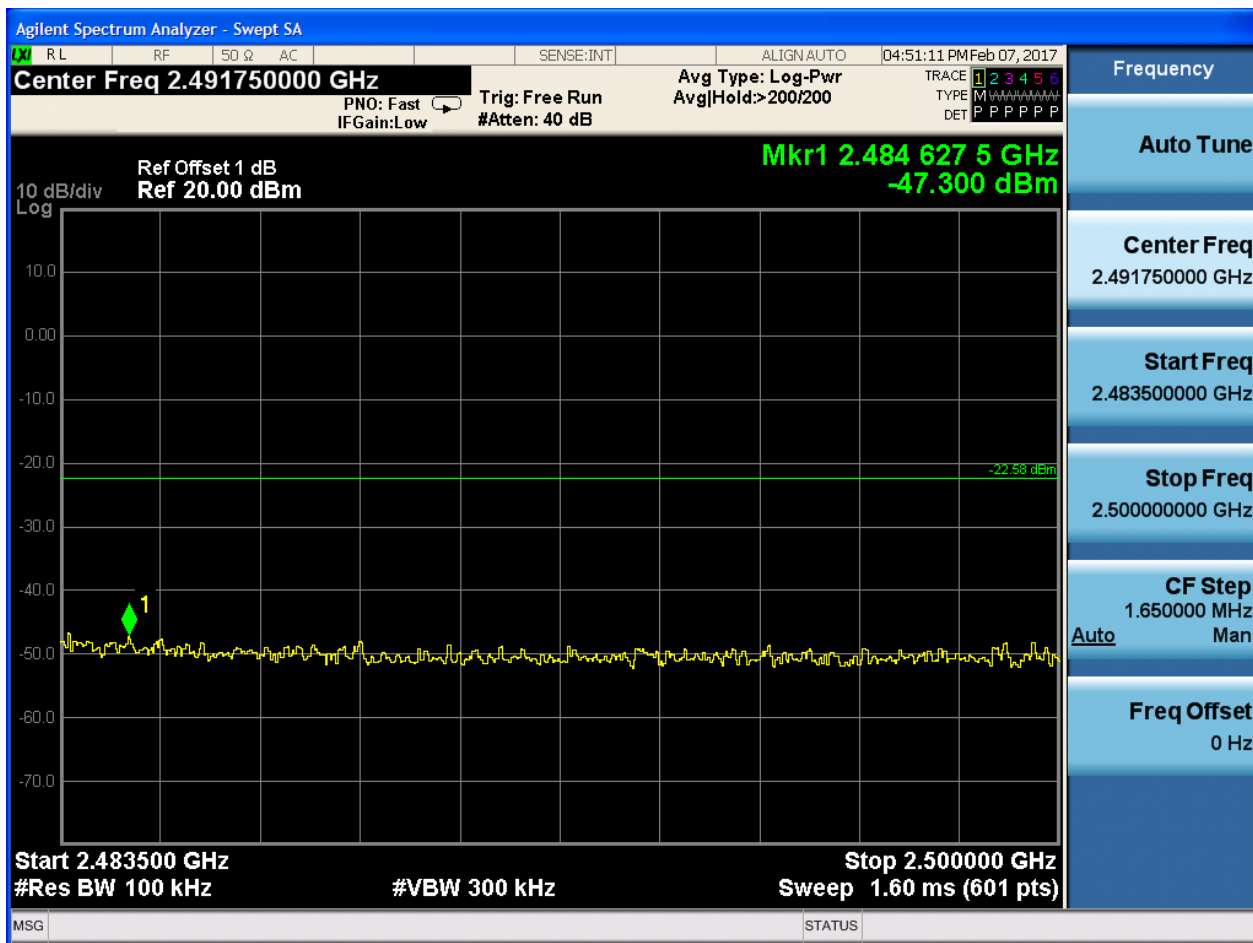
Puw:









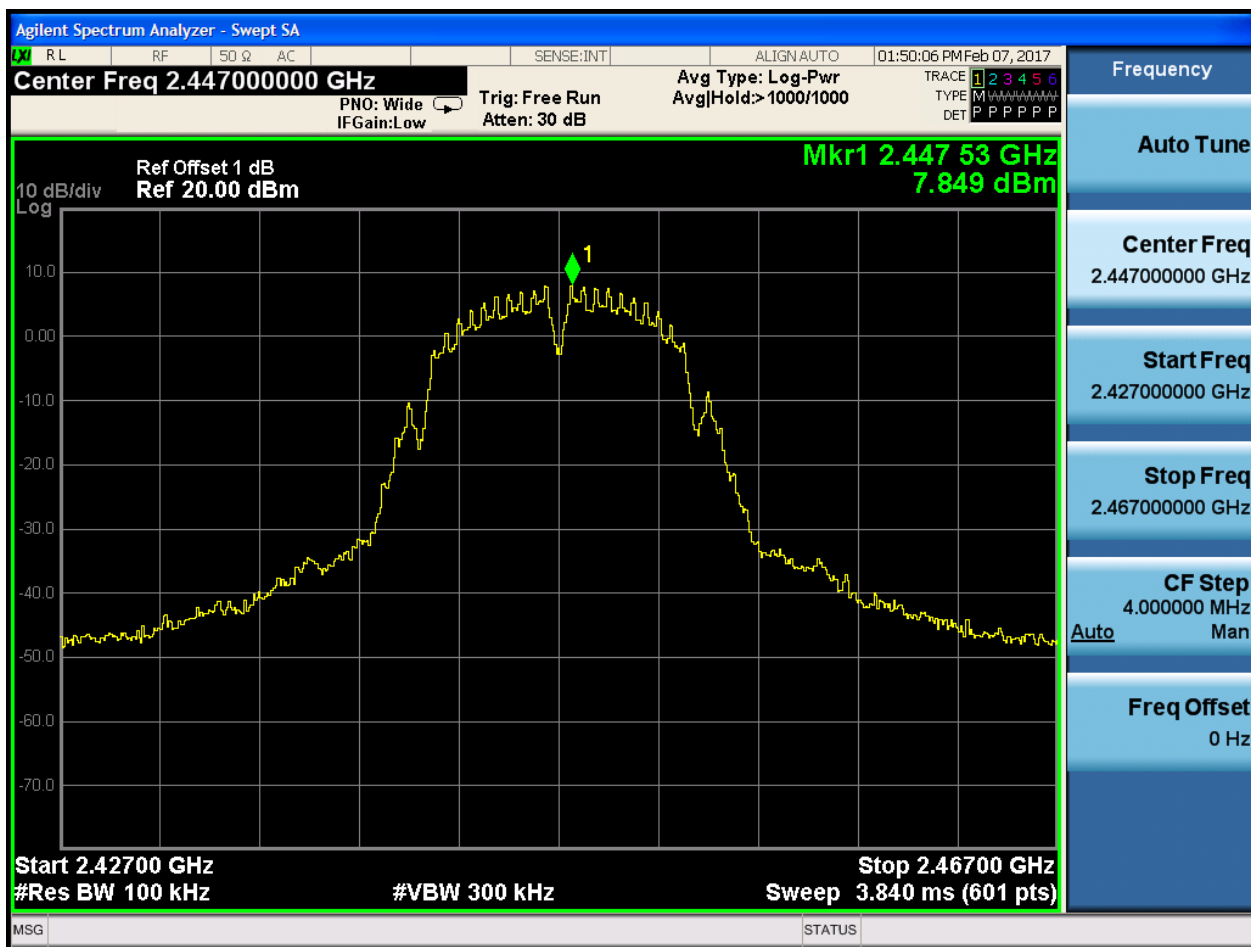






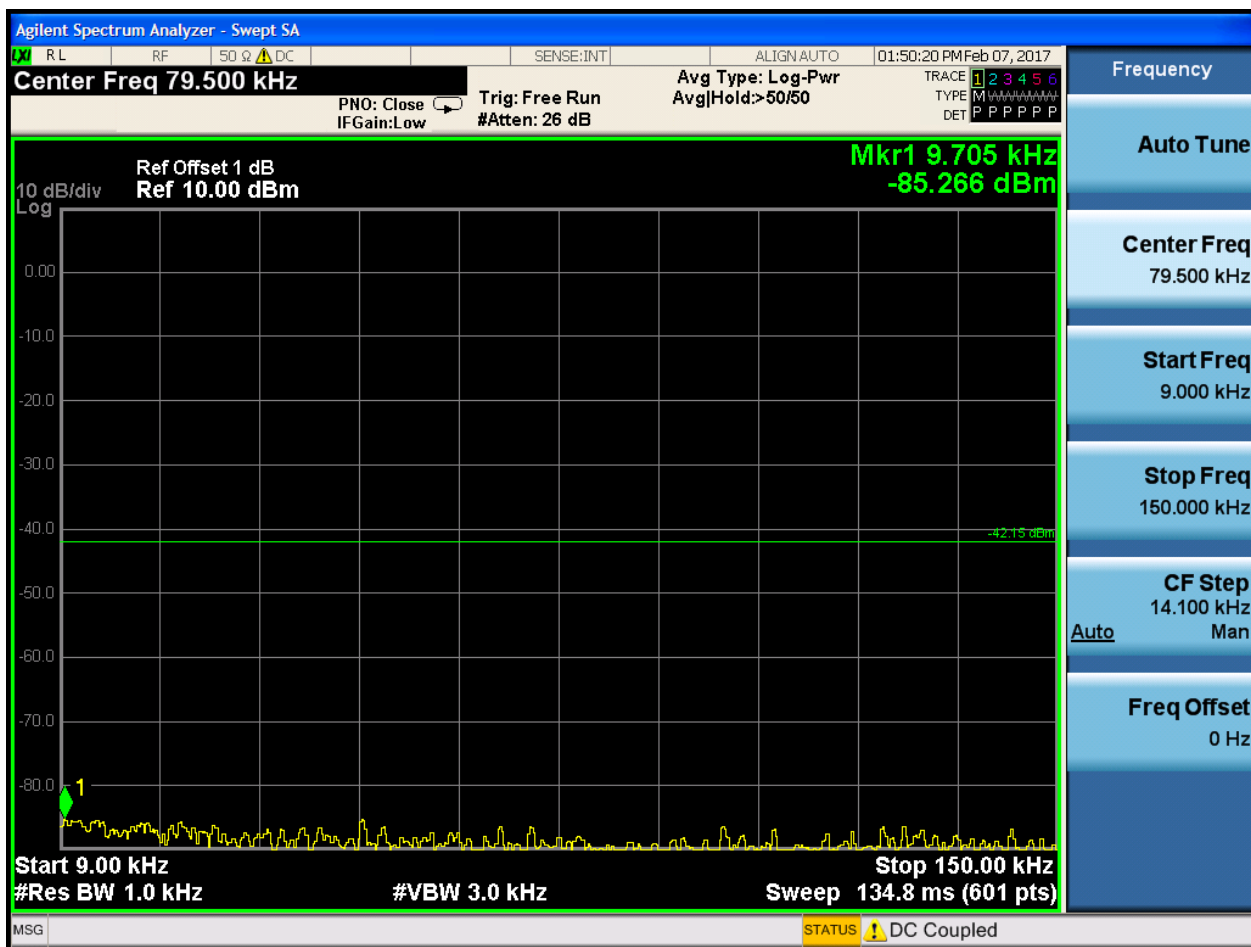
2.3 11B_M@Ant 1

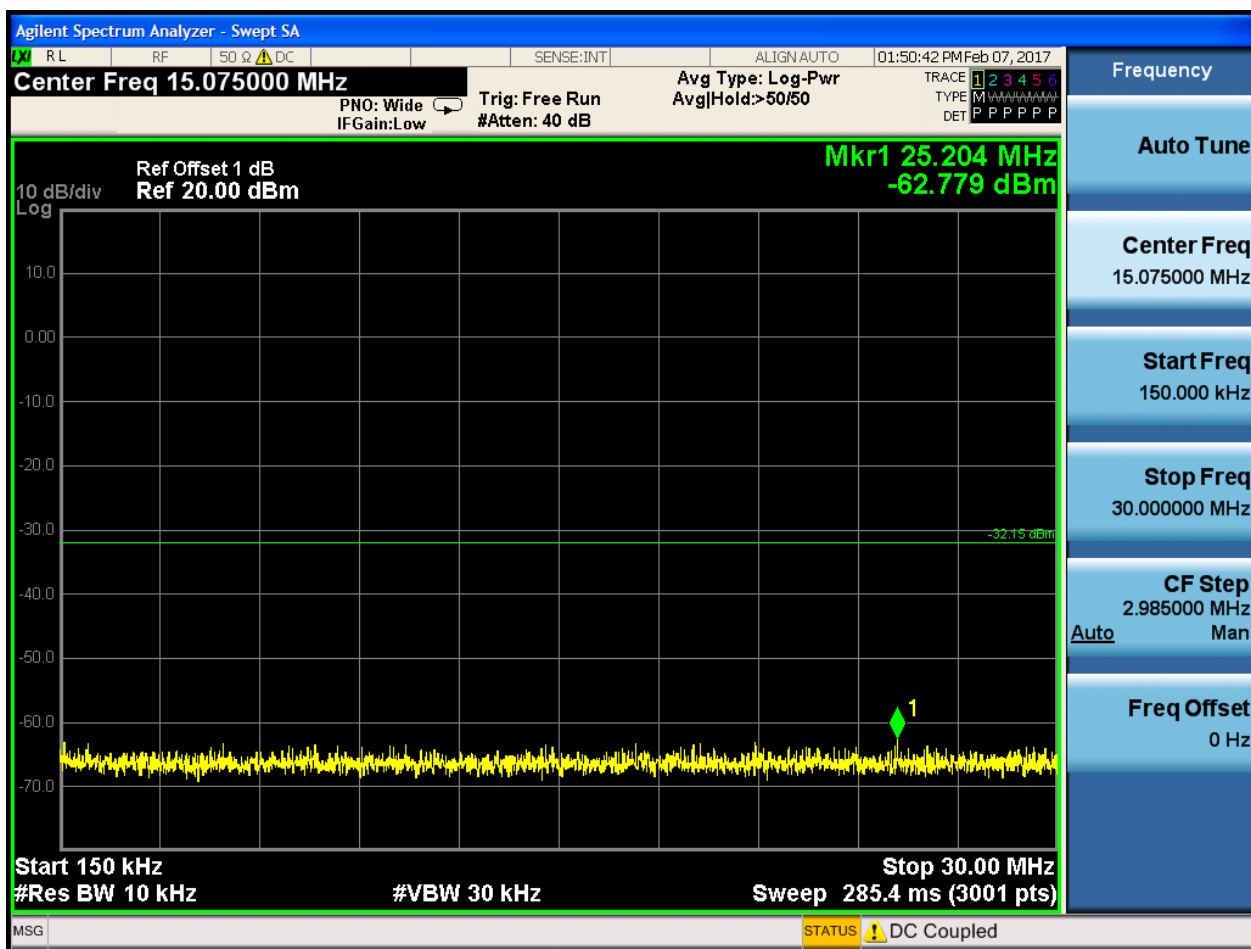
Pref:

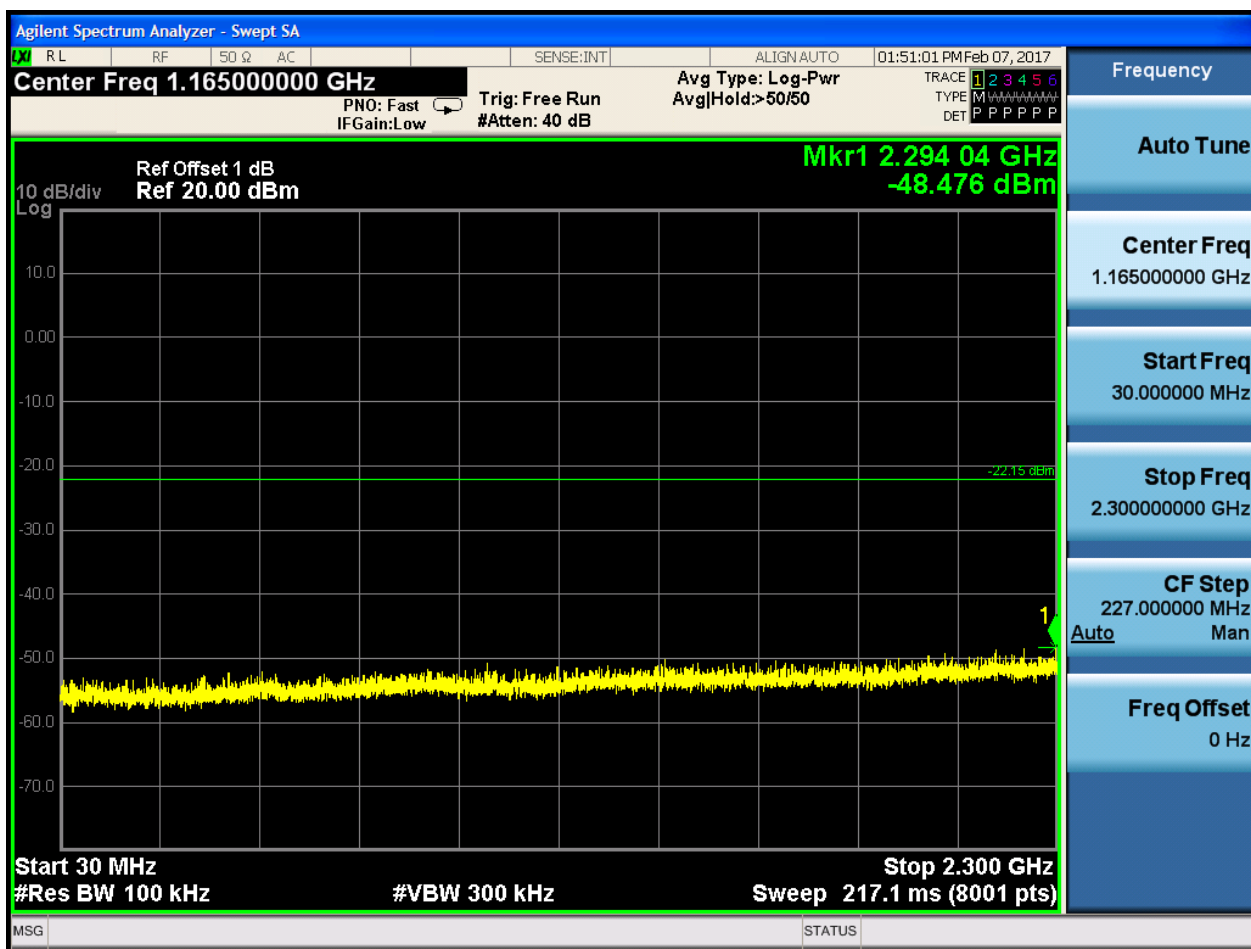


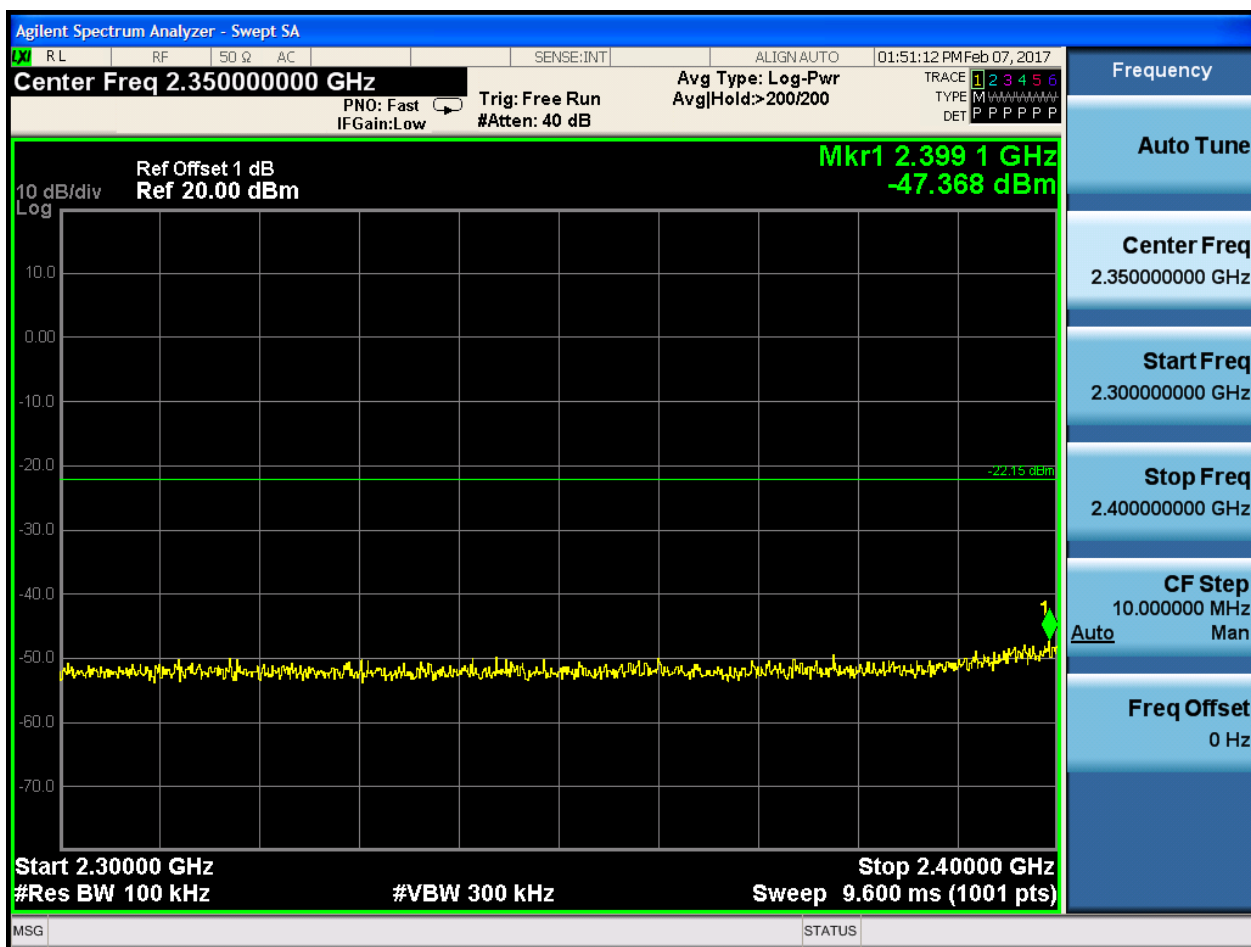


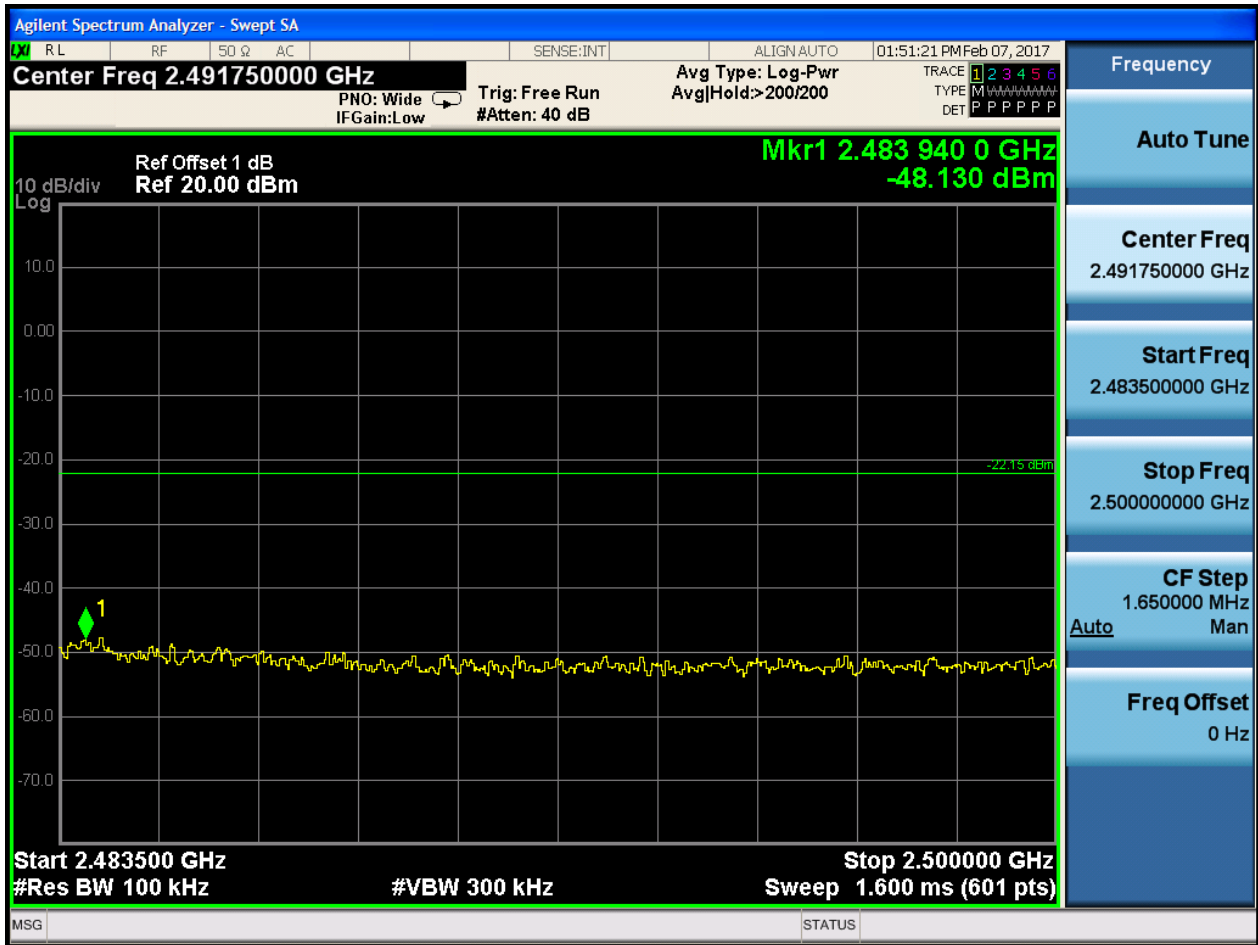
Puw:









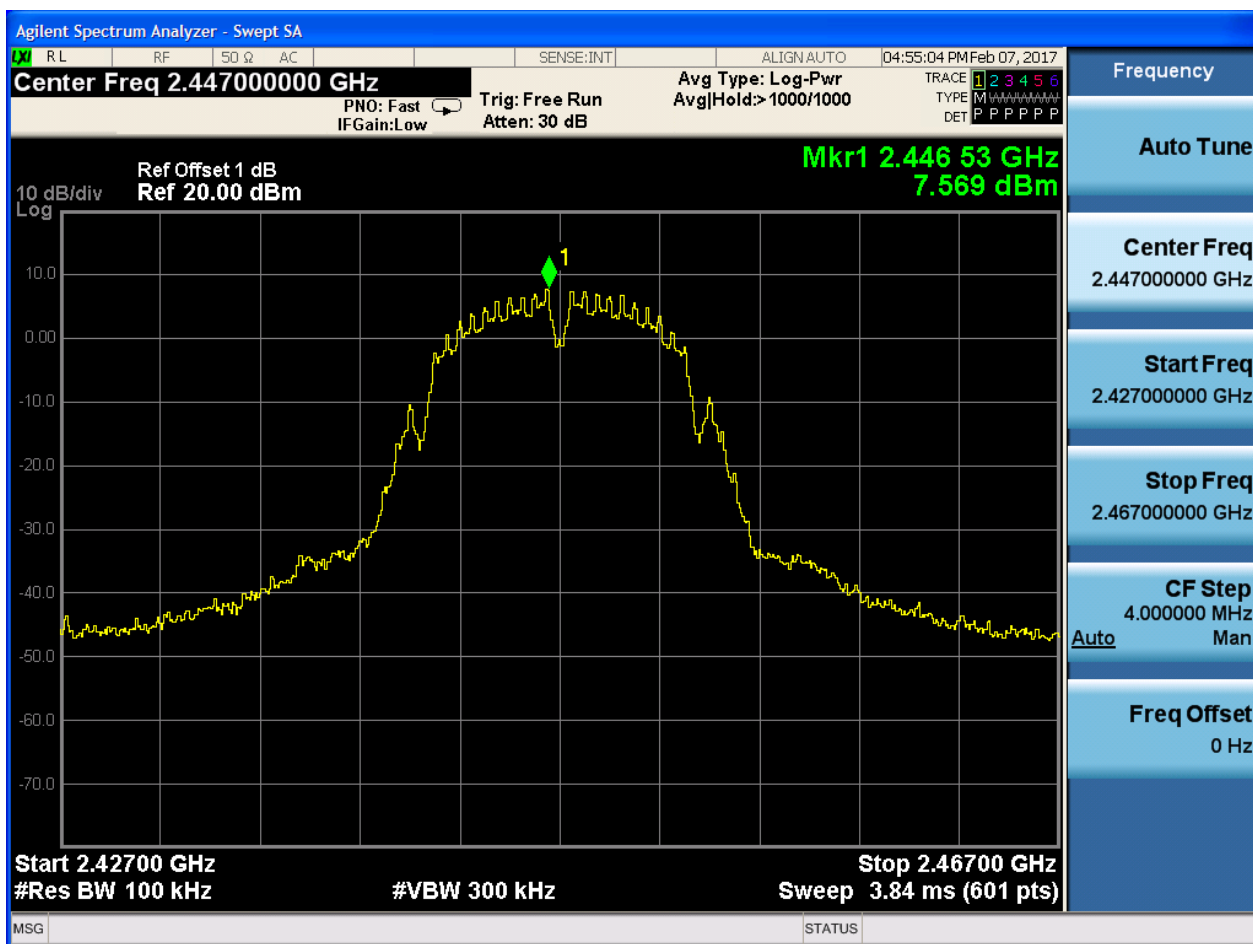






2.4 11B_M@Ant 2

Pref:





Puw:

