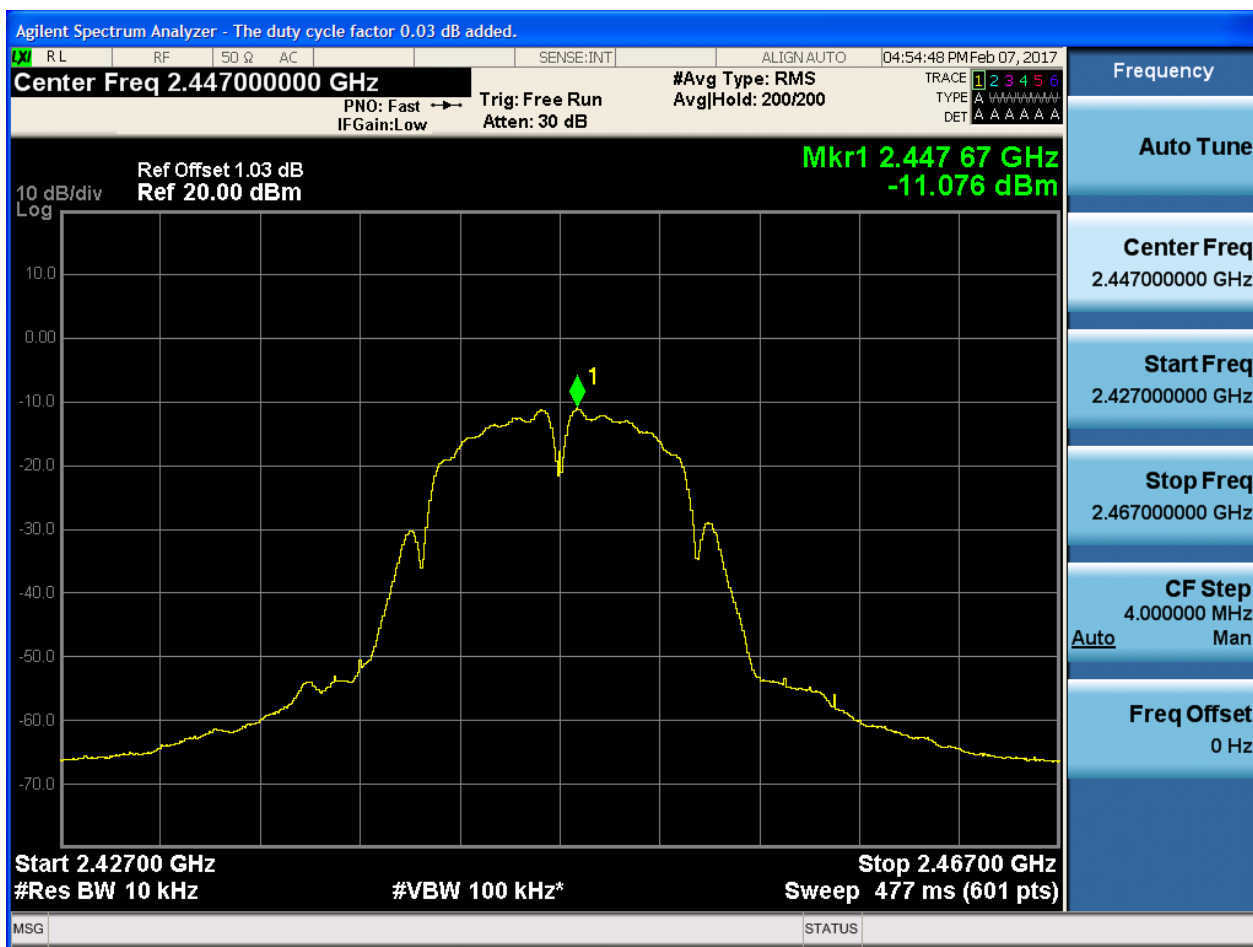


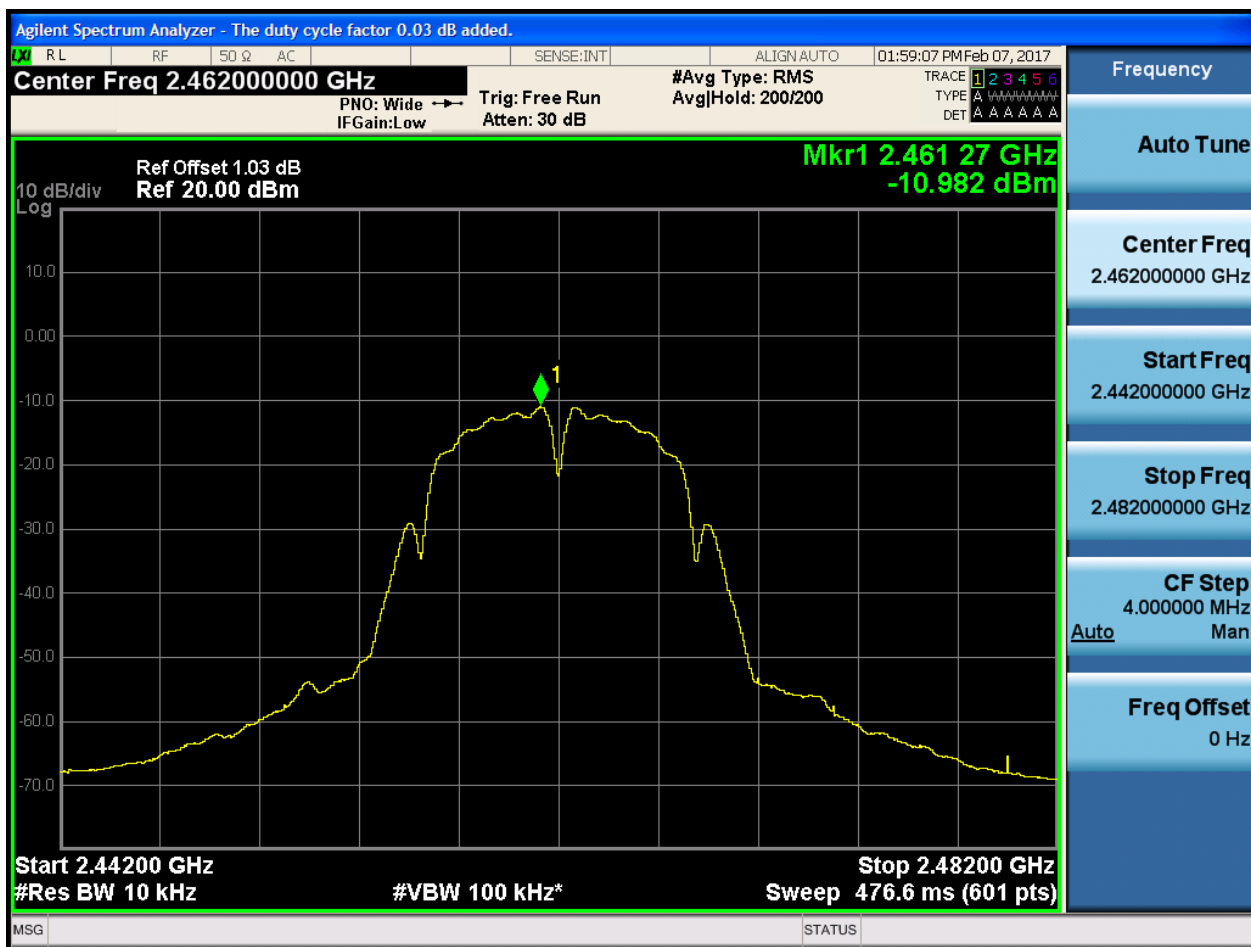


2.4 11B_M@Ant 2



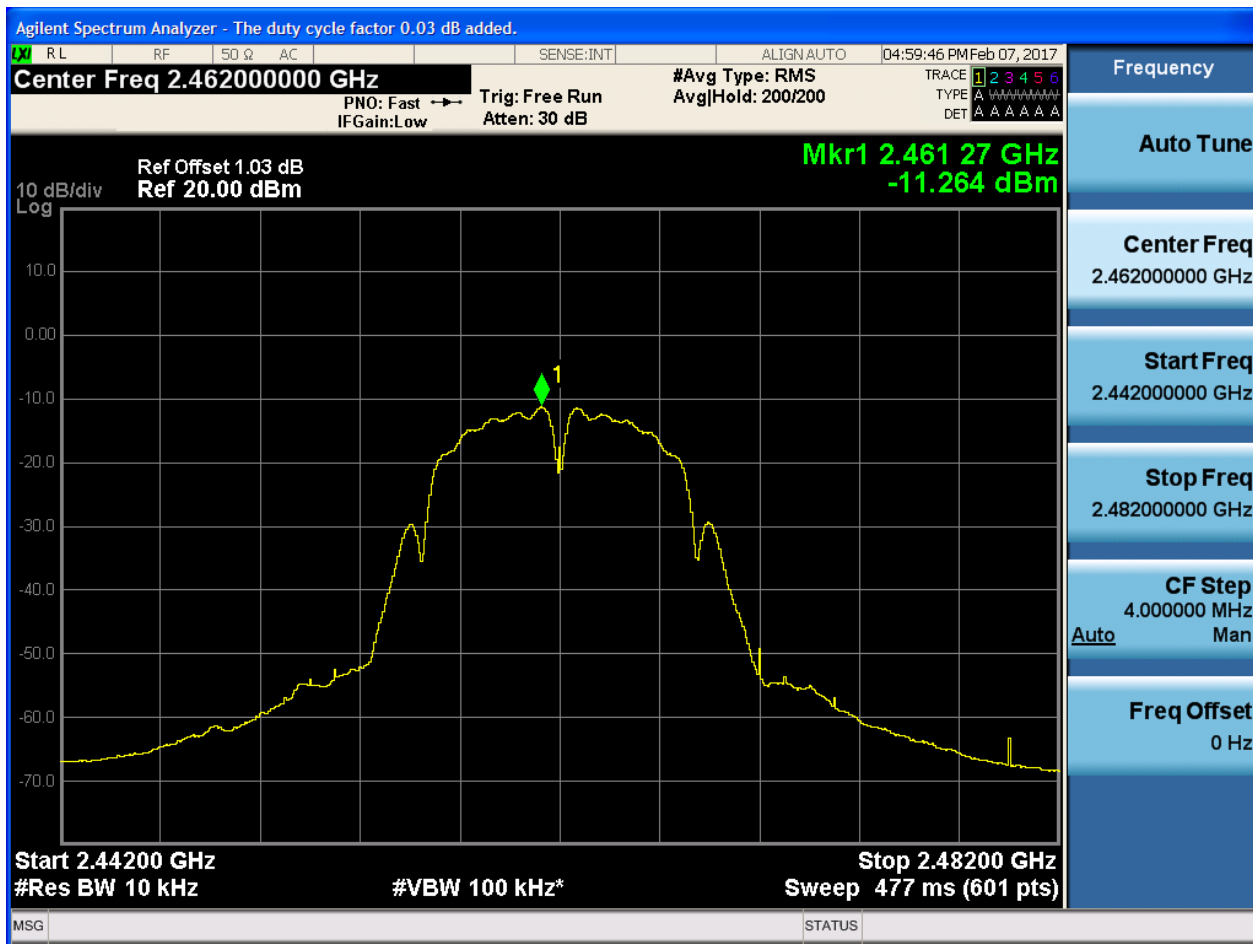


2.5 11B_H@Ant 1



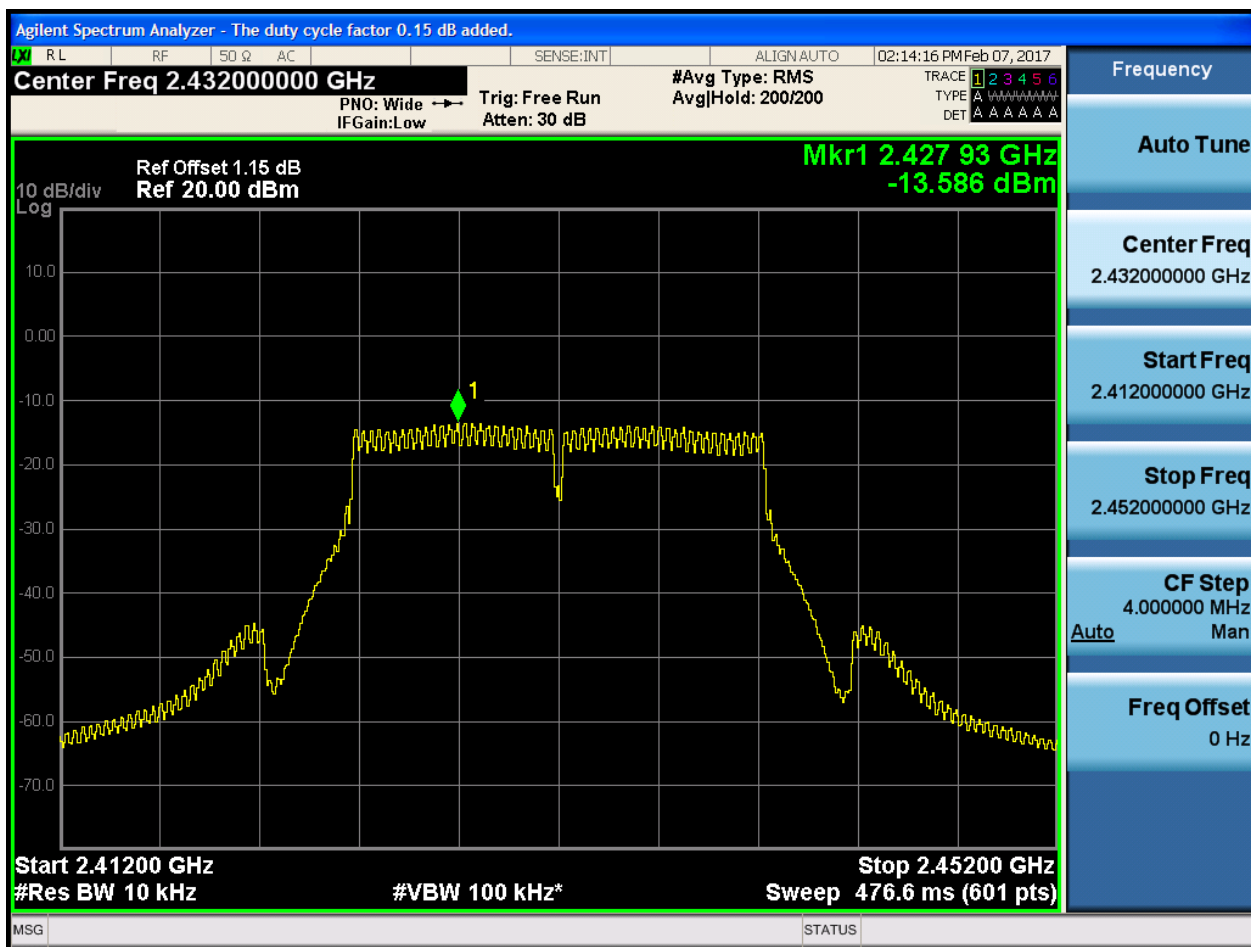


2.6 11B_H@Ant 2



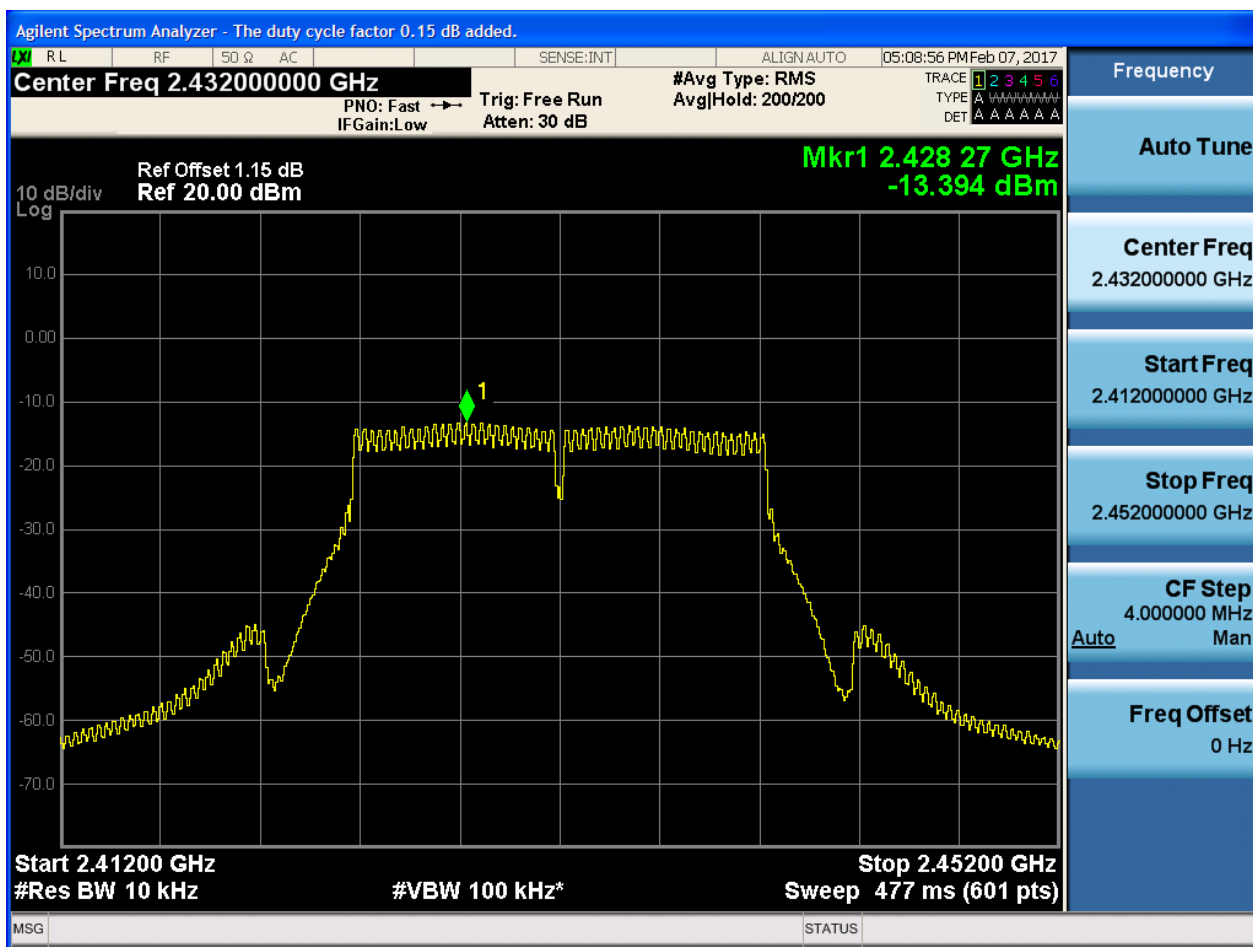


2.7 11G_L@Ant 1



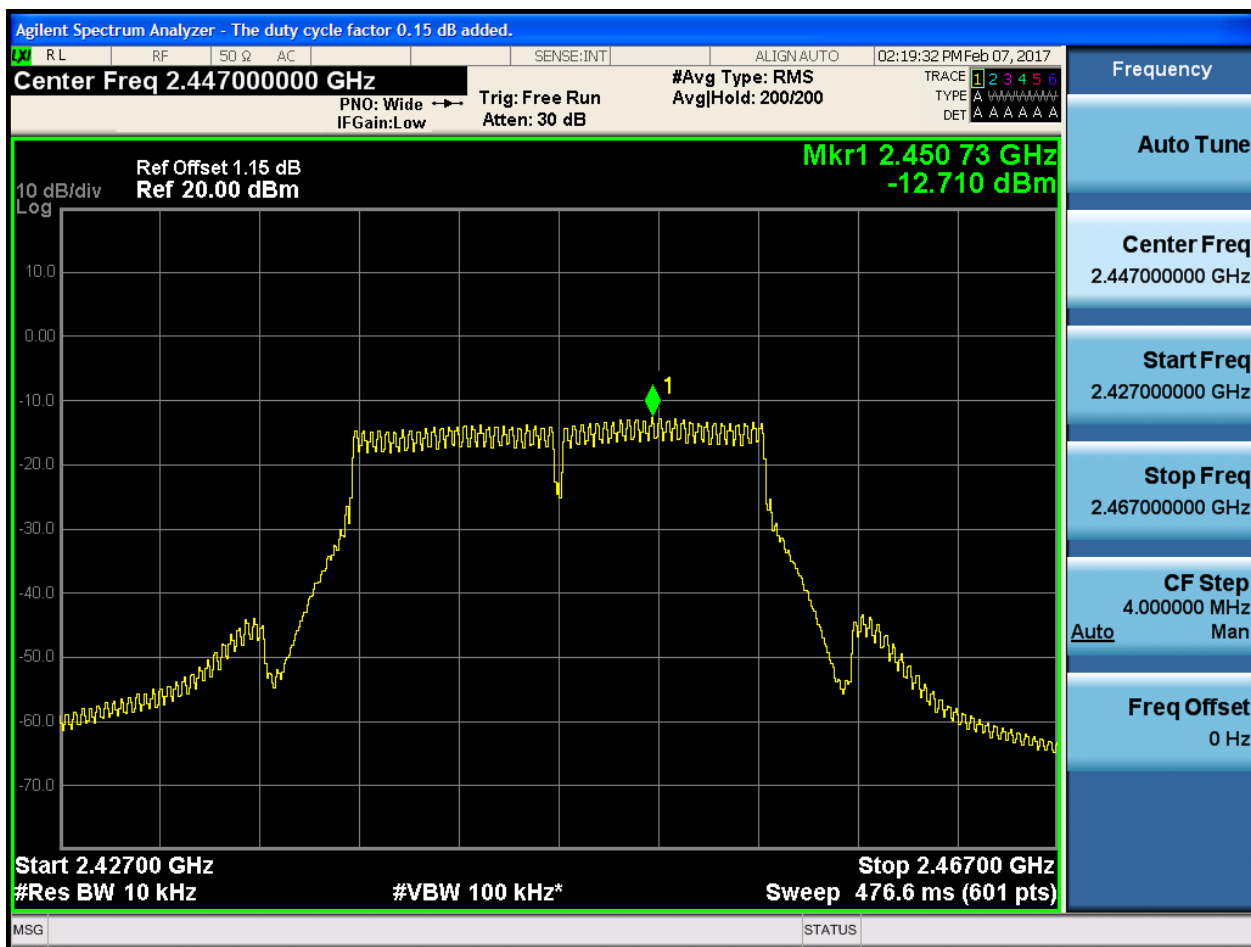


2.8 11G_L@Ant 2



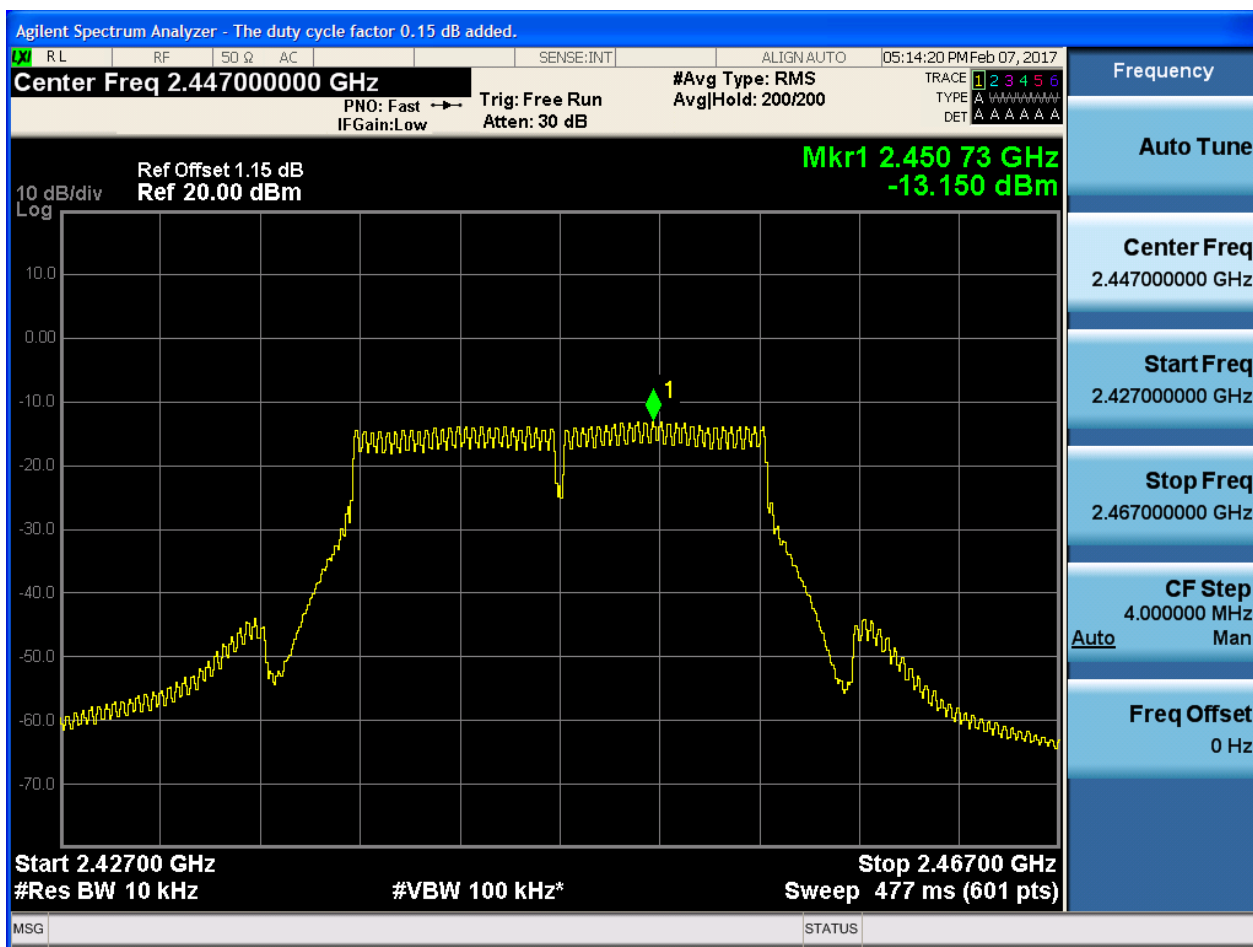


2.9 11G_M@Ant 1



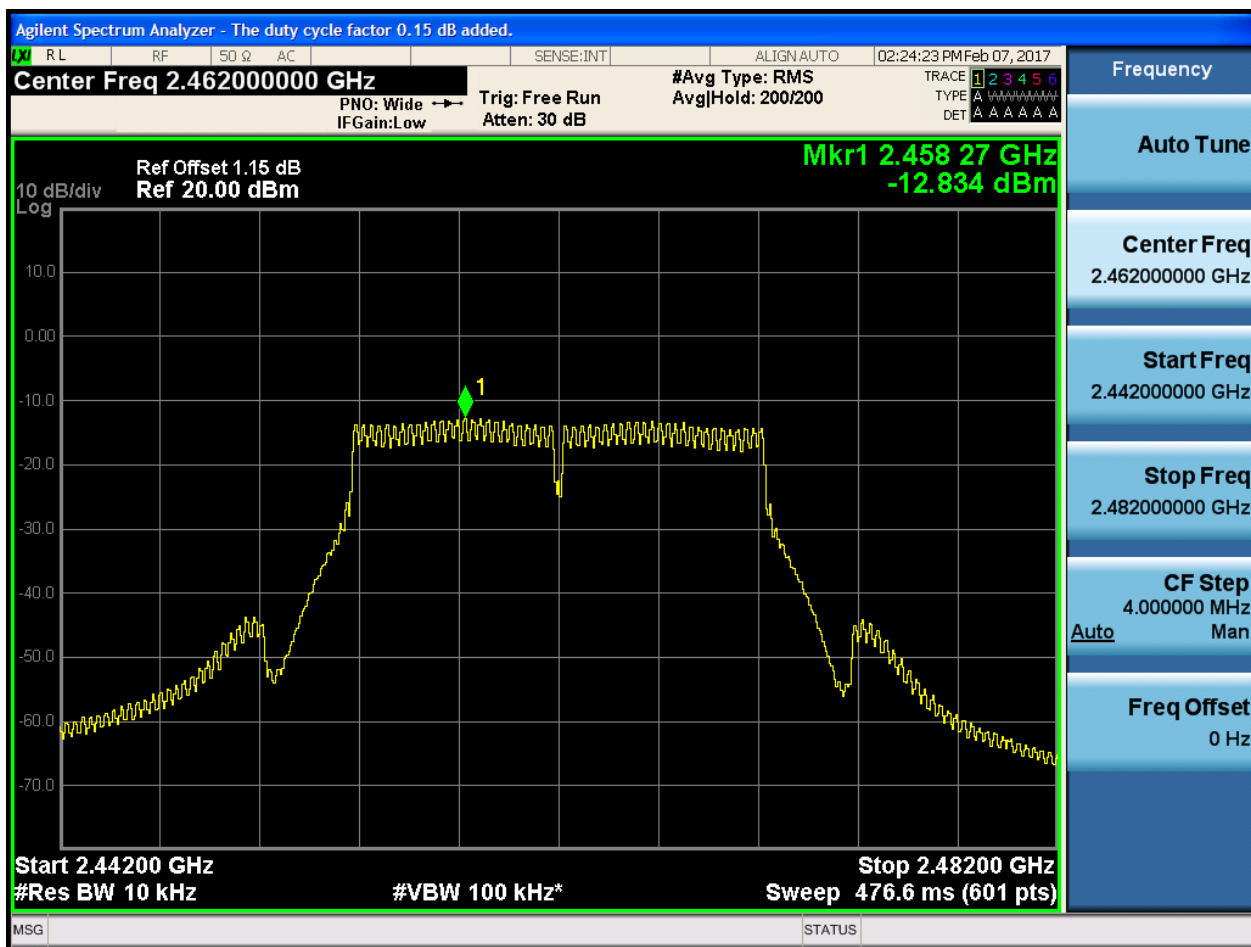


2.10 11G_M@Ant 2



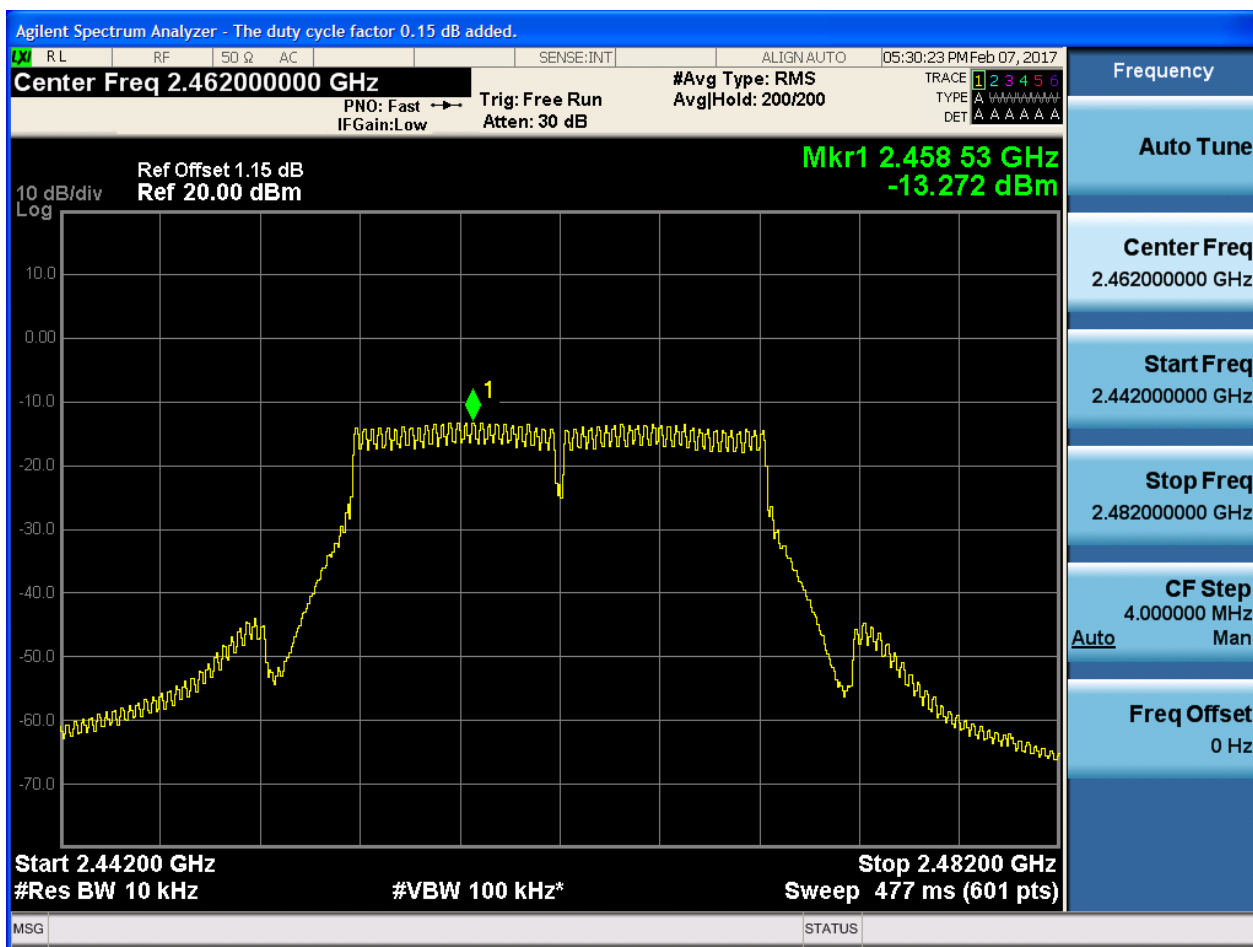


2.11 11G_H@Ant 1



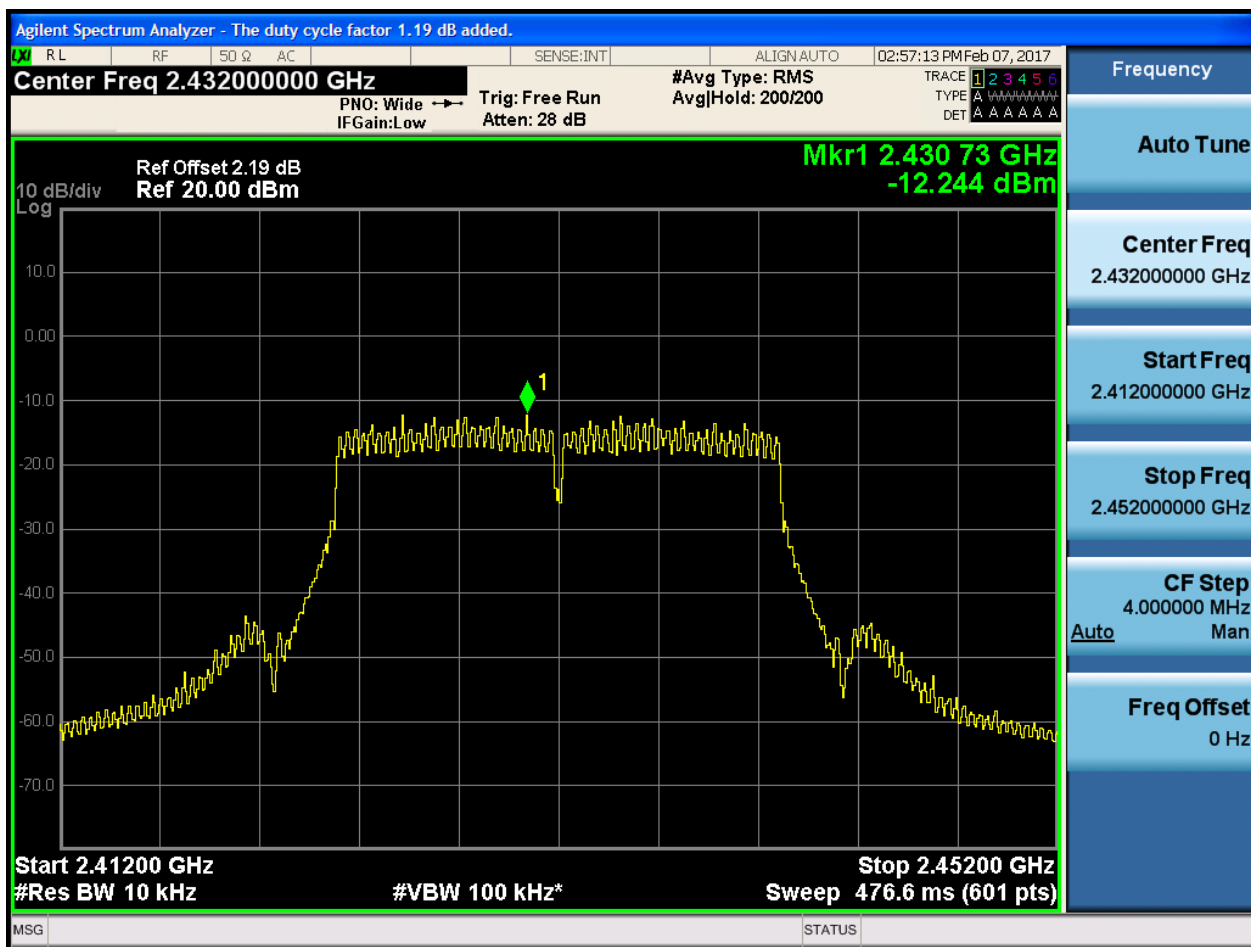


2.12 11G_H@Ant 2



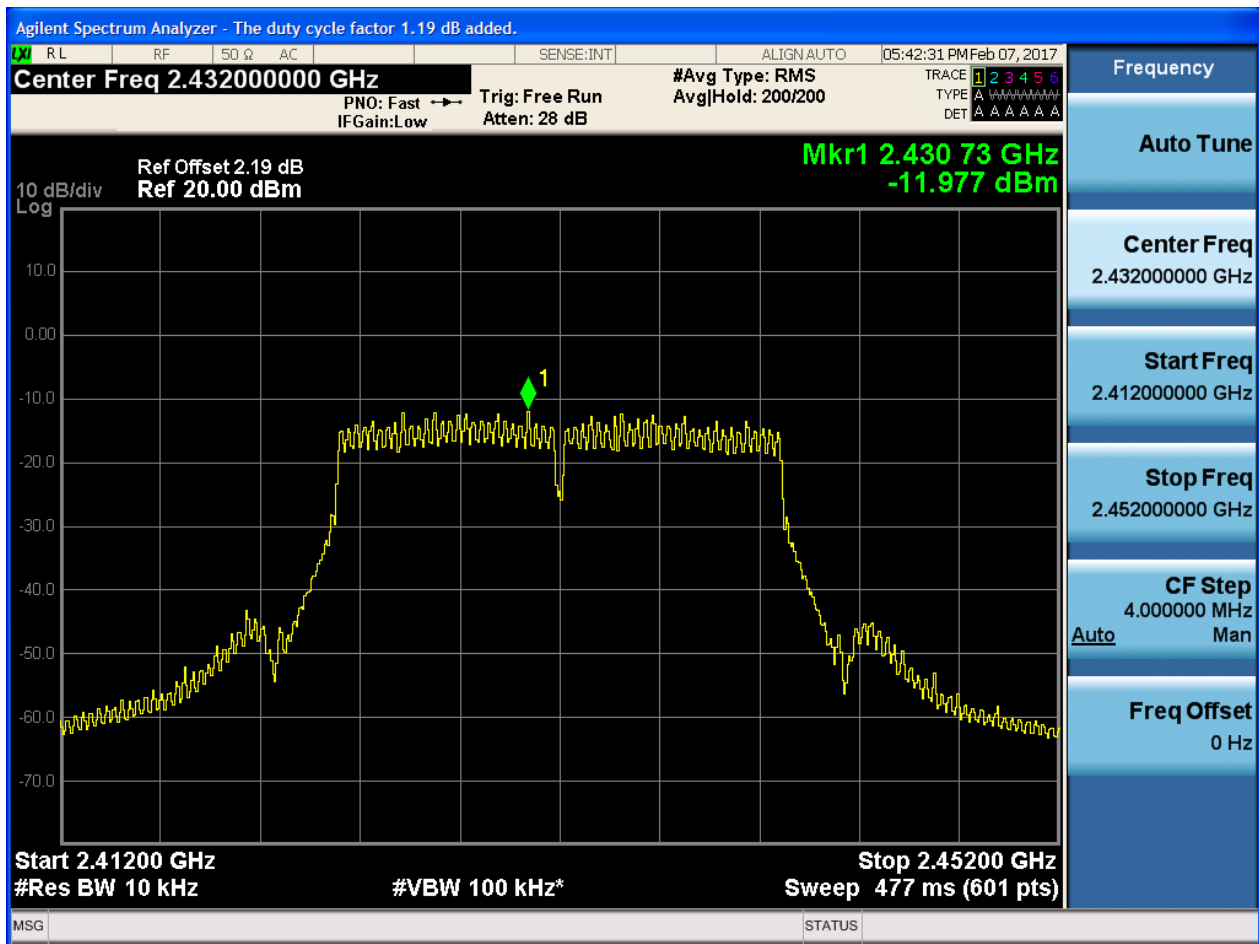


2.13 11N20_L@Ant 1



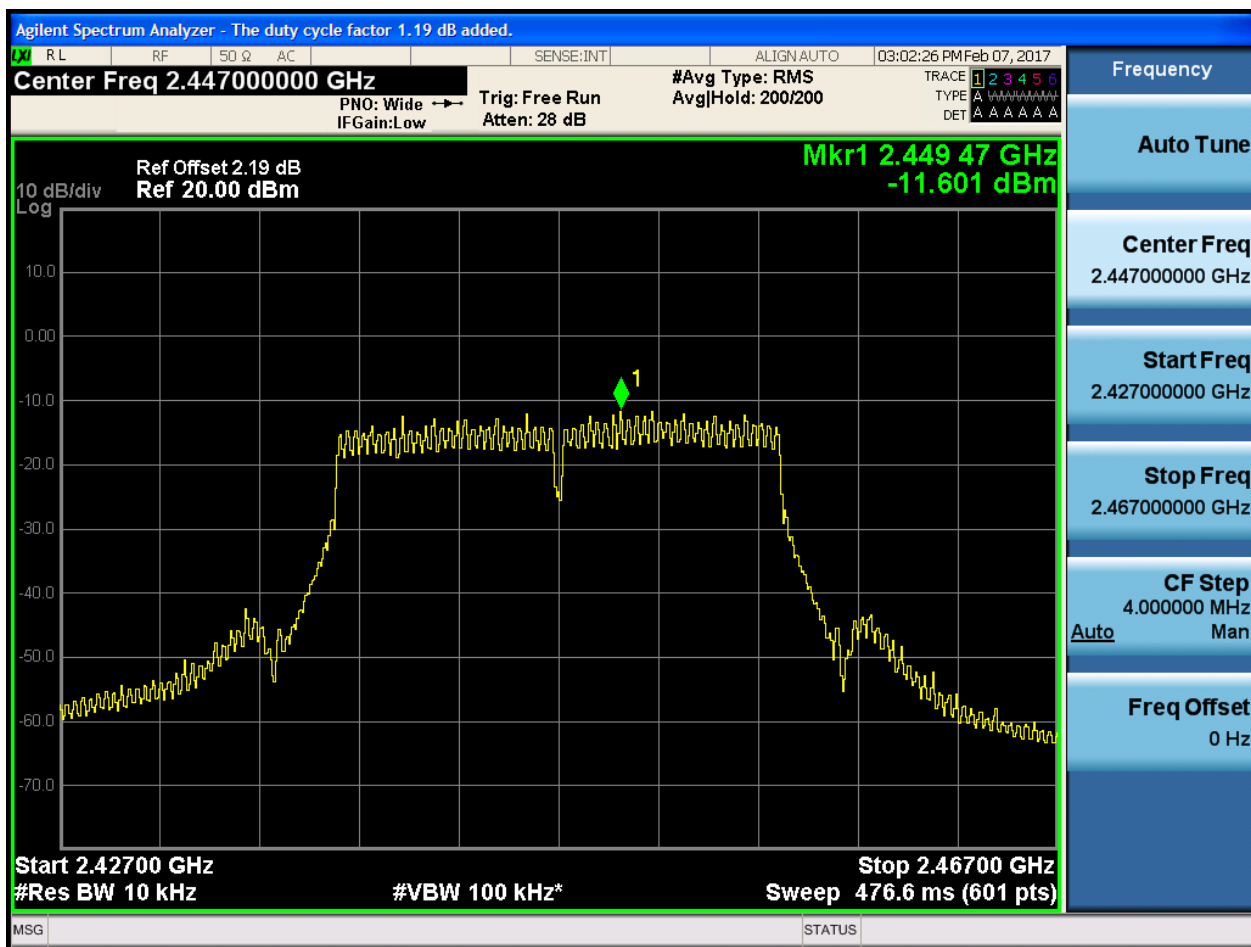


2.14 11N20_L@Ant 2



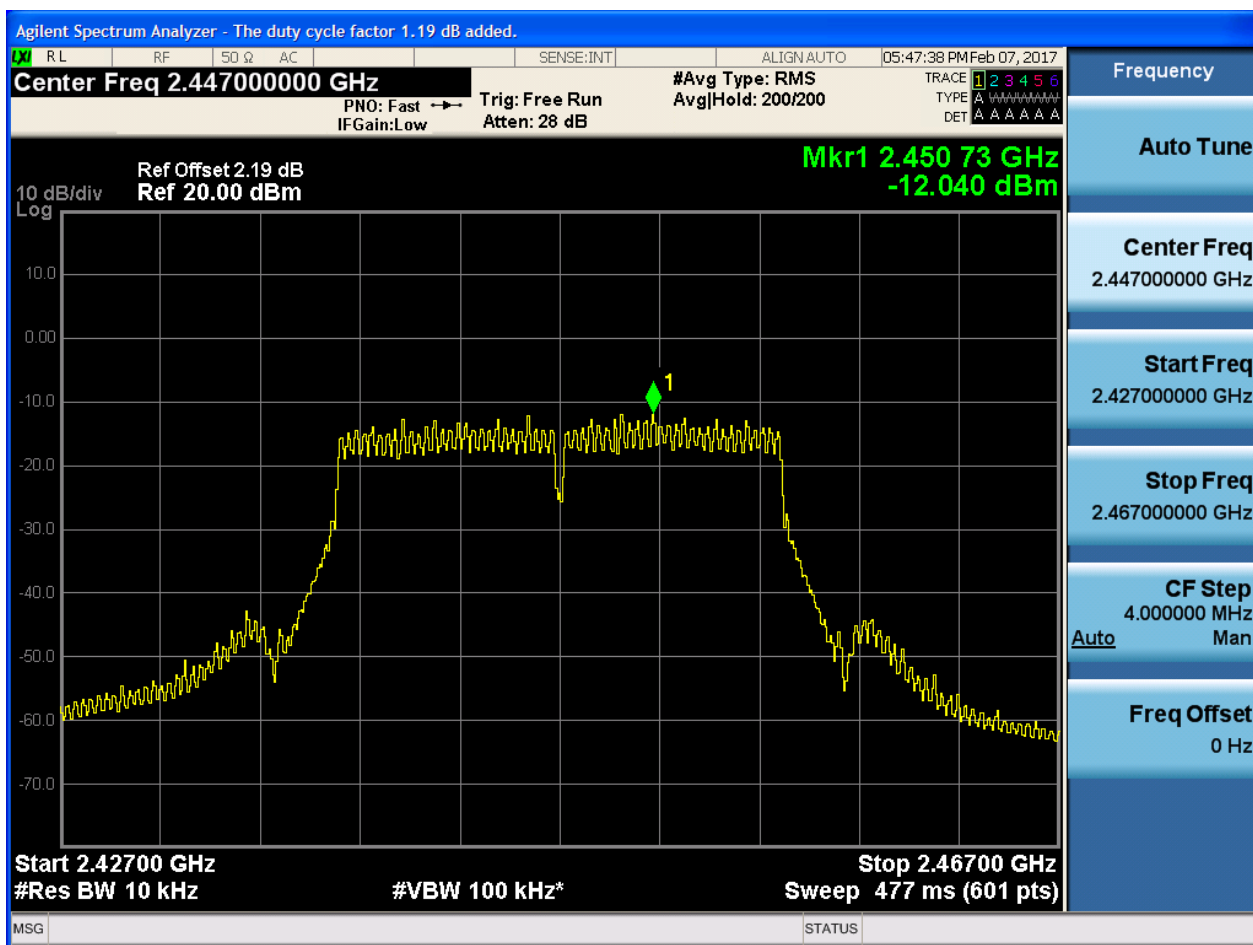


2.15 11N20_M@Ant 1



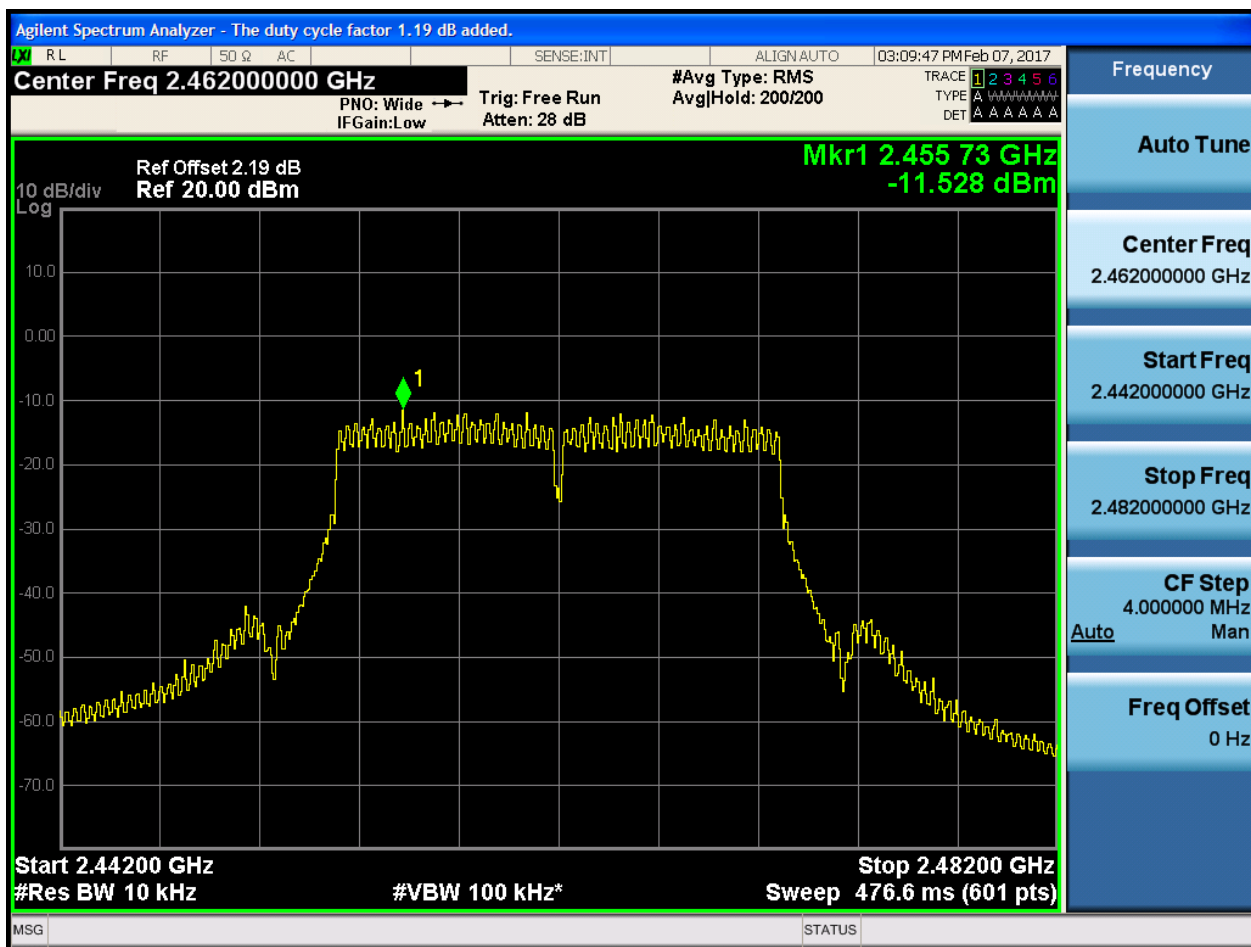


2.16 11N20_M@Ant 2



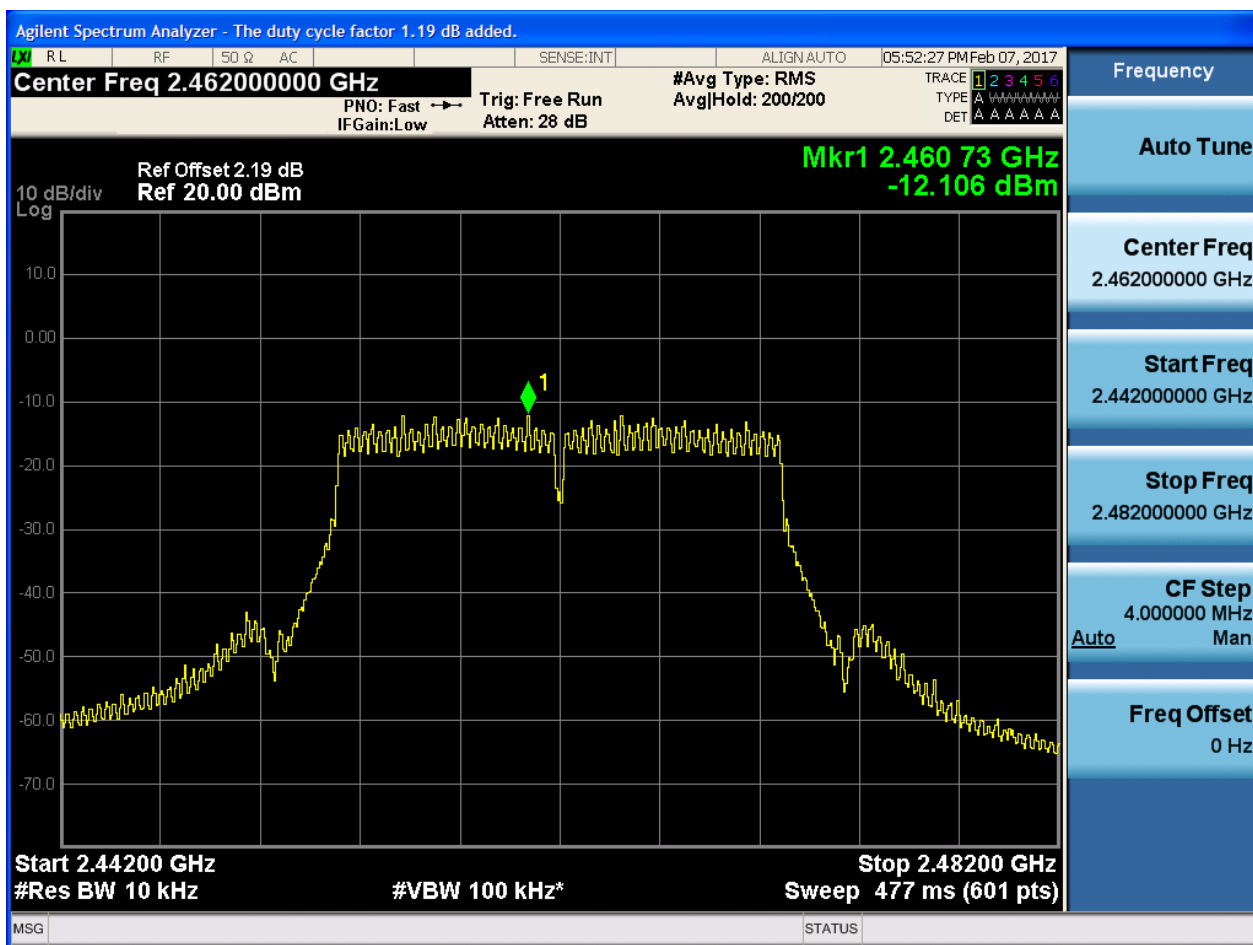


2.17 11N20_H@Ant 1



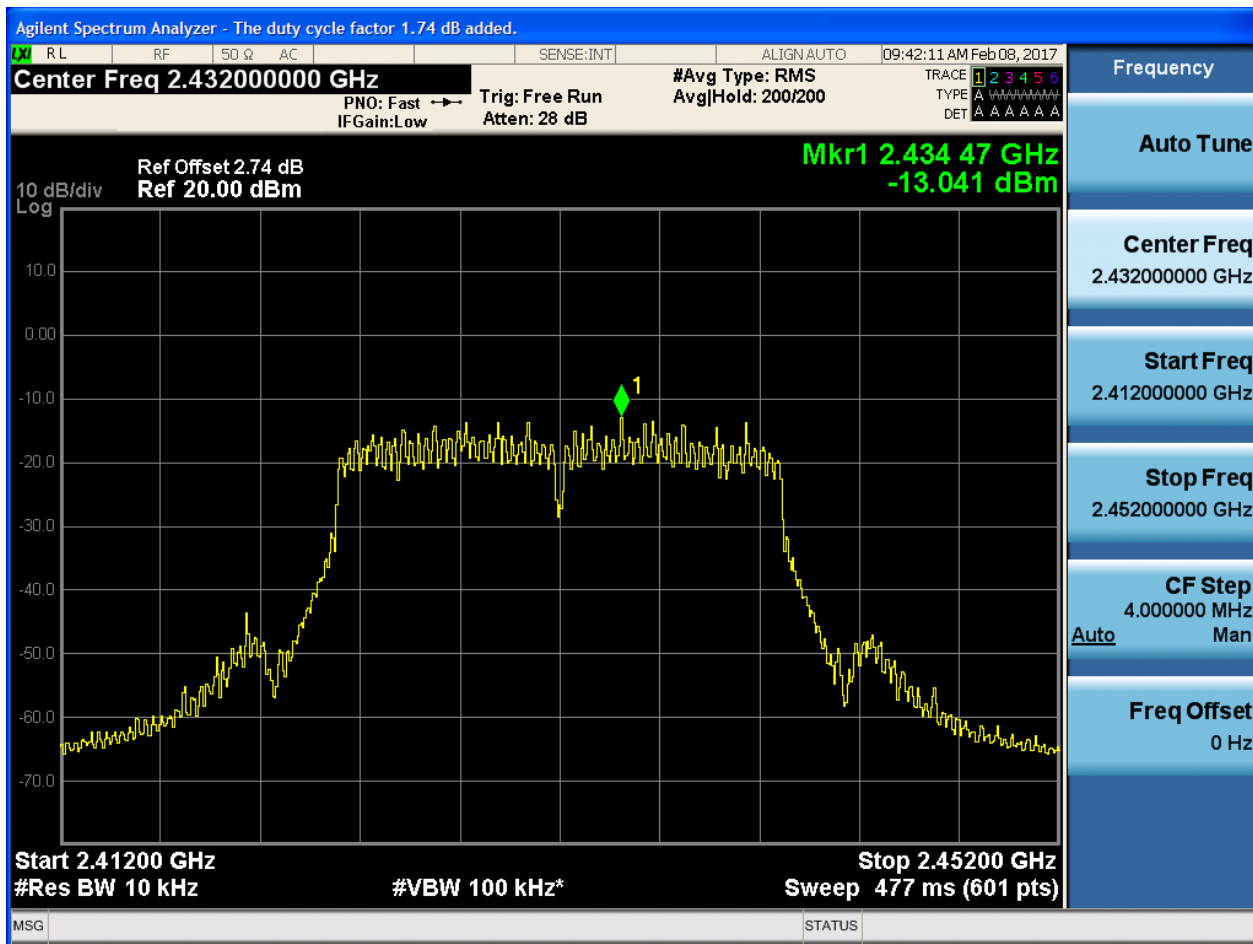


2.18 11N20_H@Ant 2



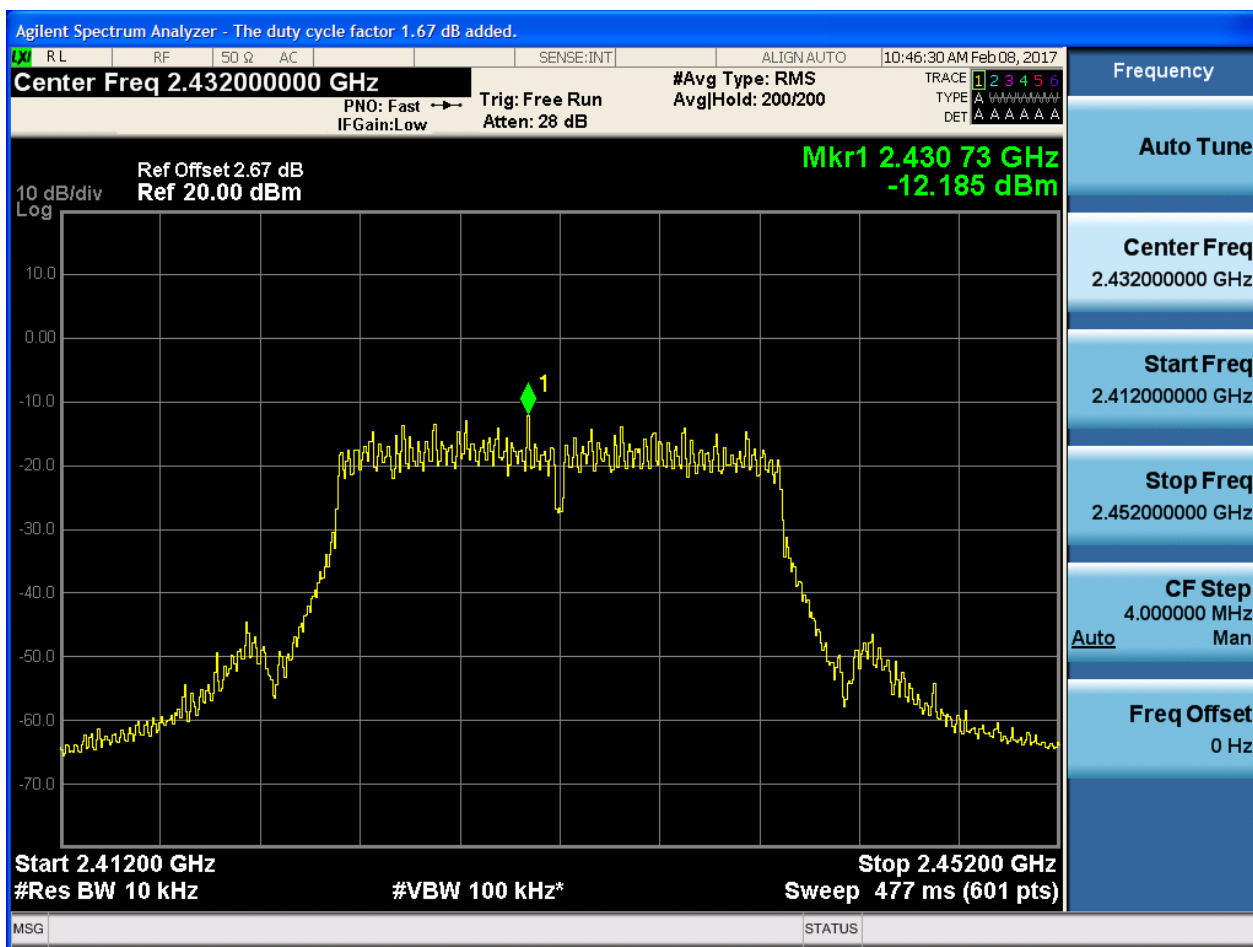


2.19 11N20m_L@Ant 1



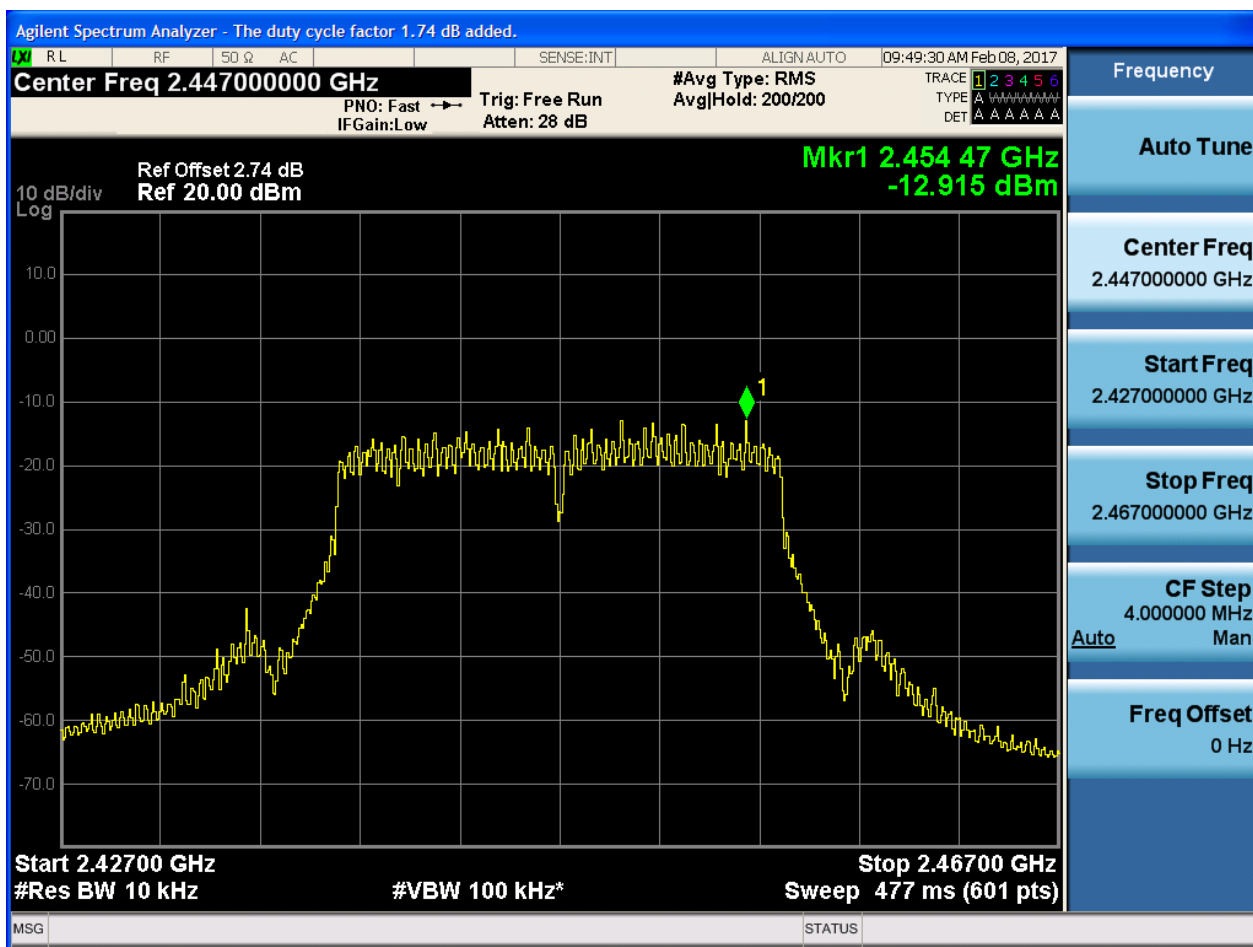


2.20 11N20m_L@Ant 2



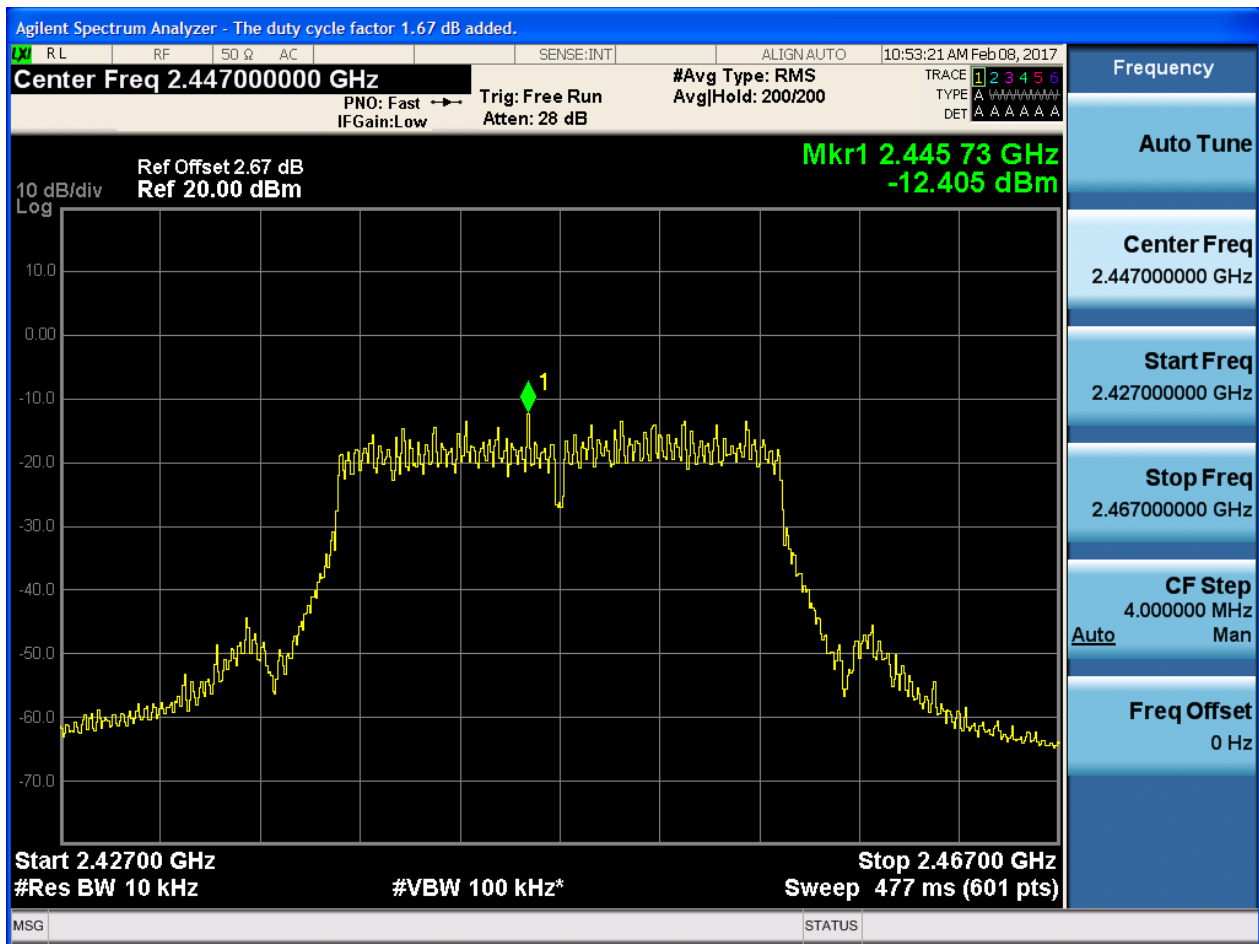


2.21 11N20m_M@Ant 1



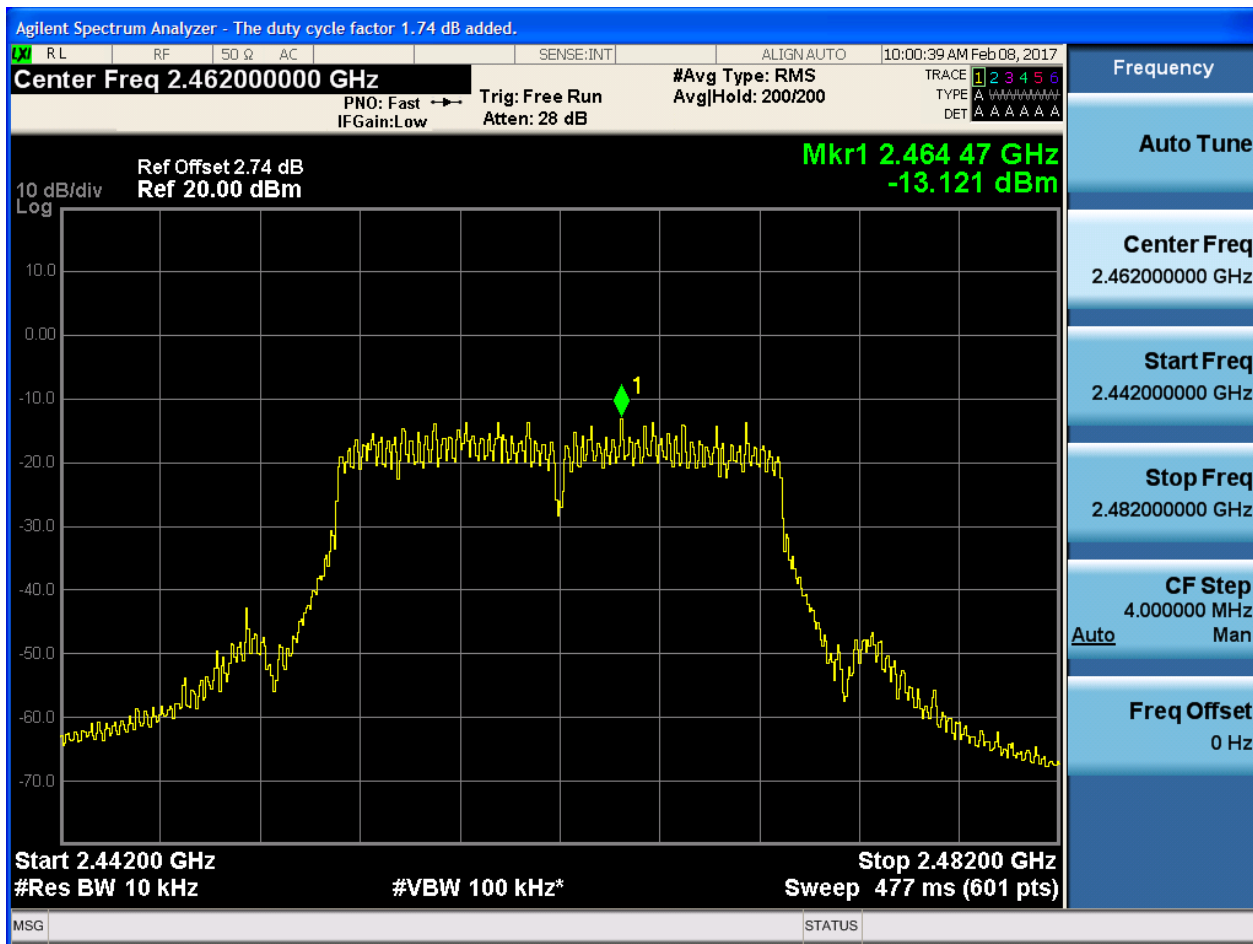


2.22 11N20m_M@Ant 2



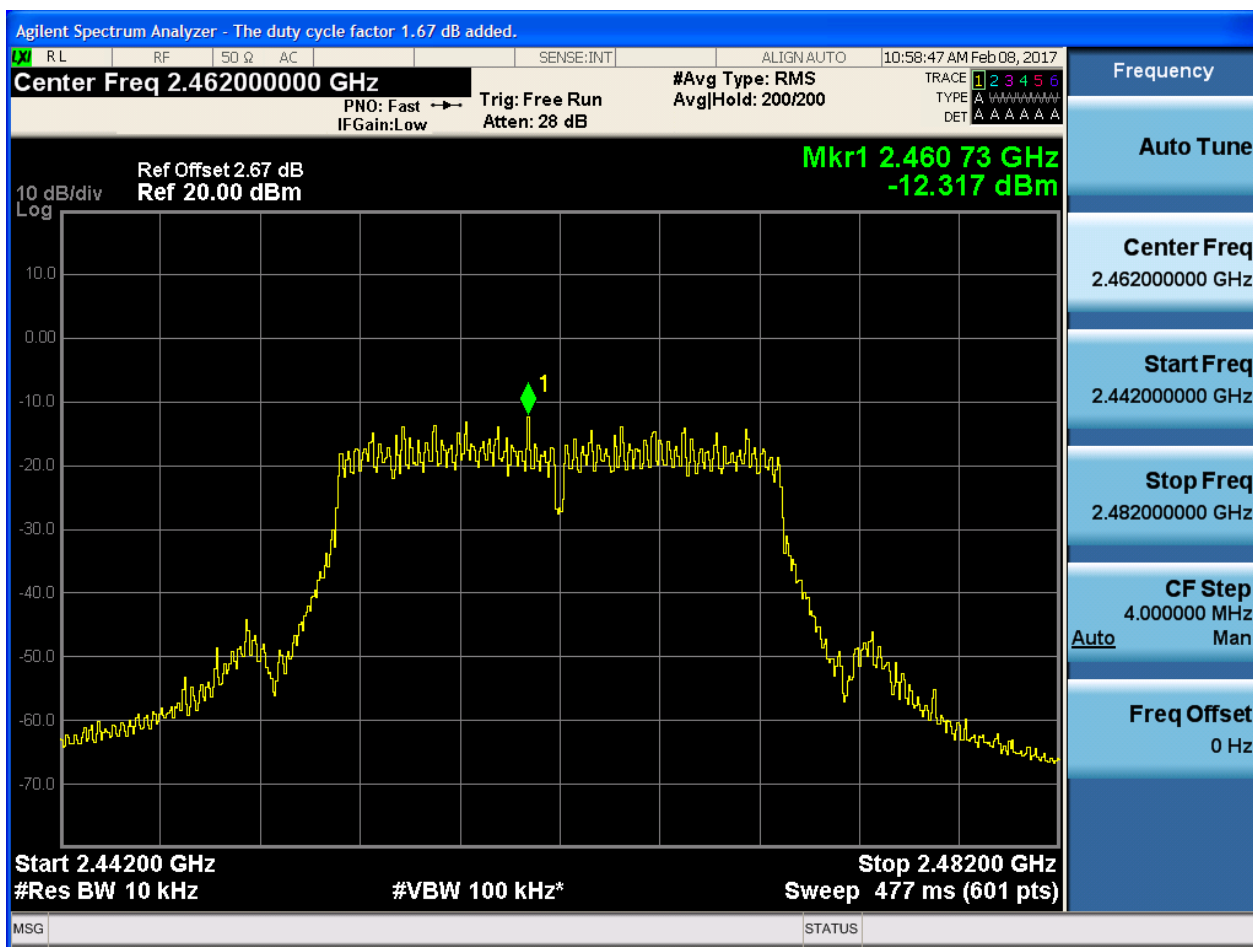


2.23 11N20m_H@Ant 1

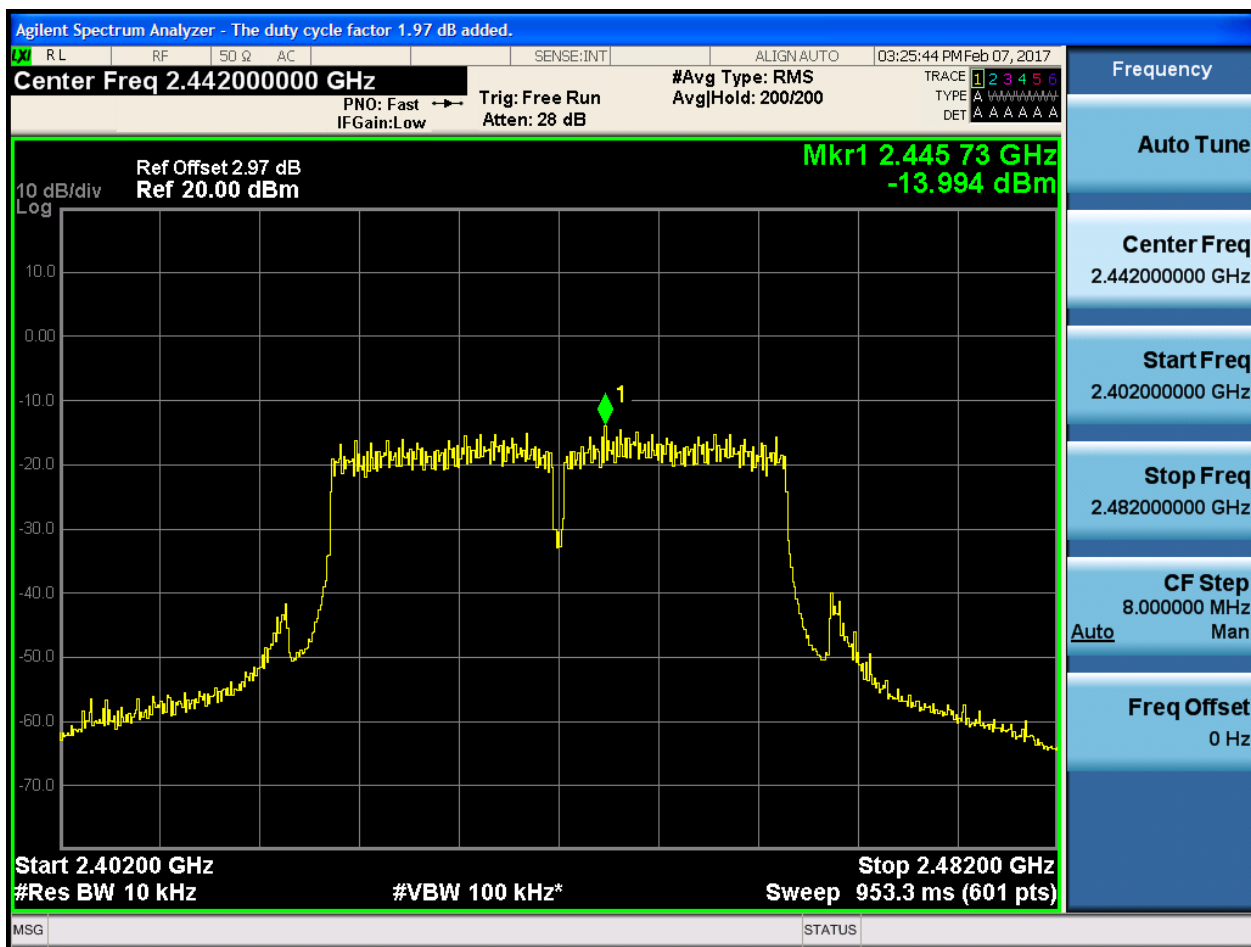




2.24 11N20m_H@Ant 2

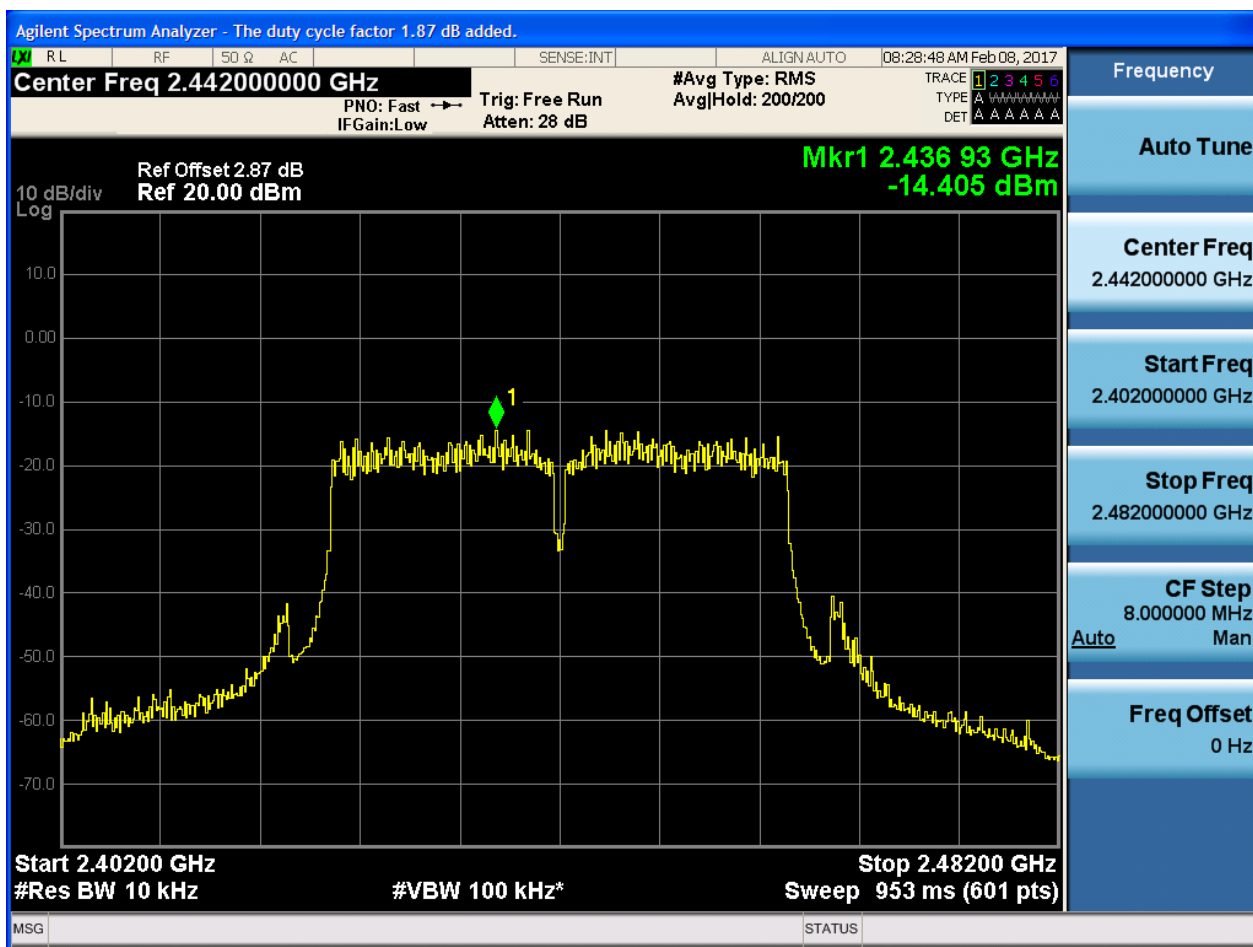


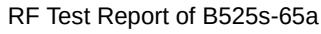
2.25 11N40_L@Ant 1





2.26 11N40_L@Ant 2





Agilent Spectrum Analyzer - The duty cycle factor 1.97 dB added.

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:36:27 PM Feb 07, 2017

Center Freq 2.447000000 GHz #Avg Type: RMS Avg/Hold: 200/200

PNO: Fast Trig: Free Run IFGain: Low Atten: 28 dB

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

Ref Offset 2.97 dB
Ref 20.00 dBm

Mkr1 2.450 73 GHz
-13.418 dBm

10 dB/div
Log

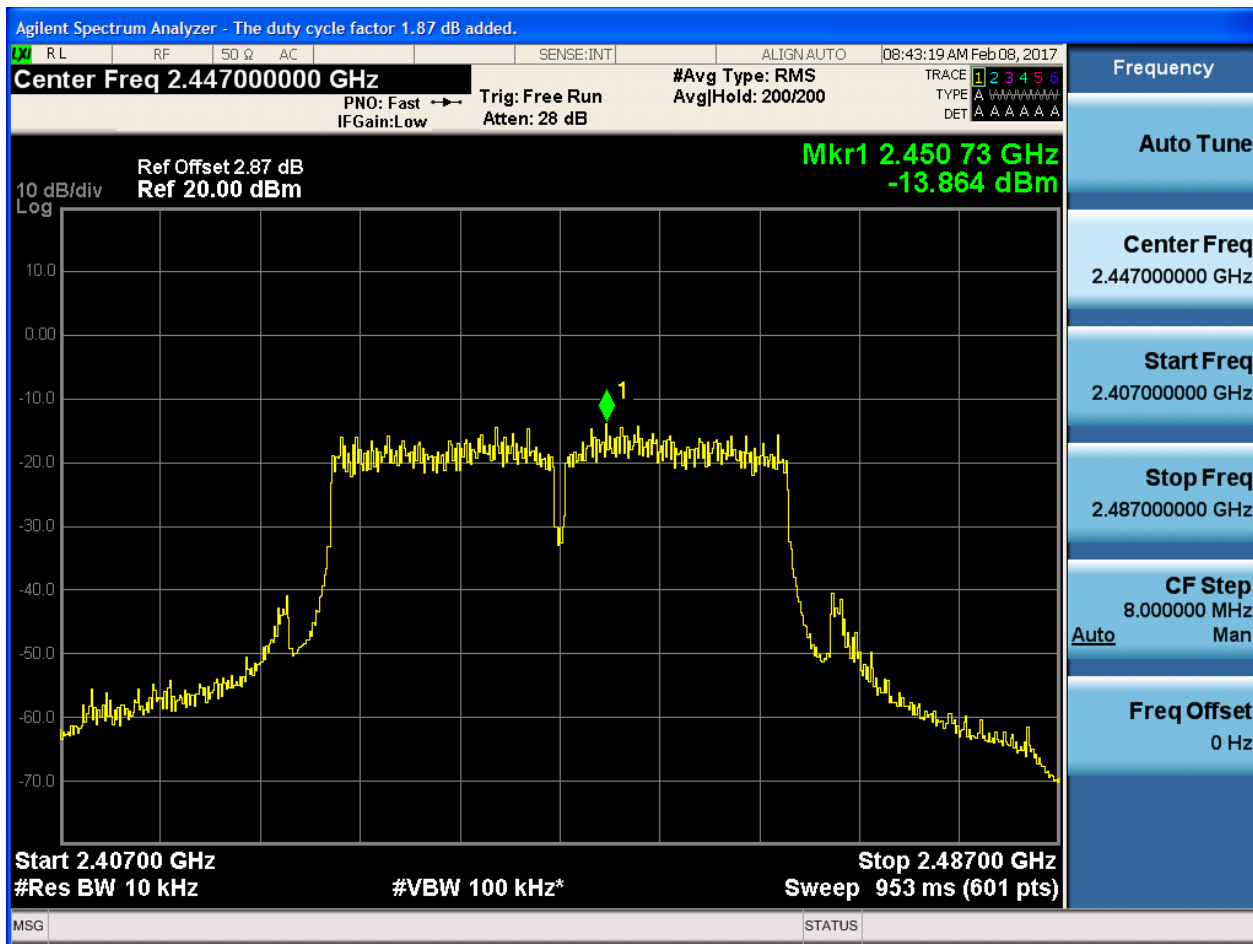
Start 2.40700 GHz #Res BW 10 kHz #VBW 100 kHz* Stop 2.48700 GHz Sweep 953.3 ms (601 pts)

MSG STATUS

Frequency
Auto Tune
Center Freq 2.447000000 GHz
Start Freq 2.407000000 GHz
Stop Freq 2.487000000 GHz
CF Step 8.000000 MHz Auto Man
Freq Offset 0 Hz

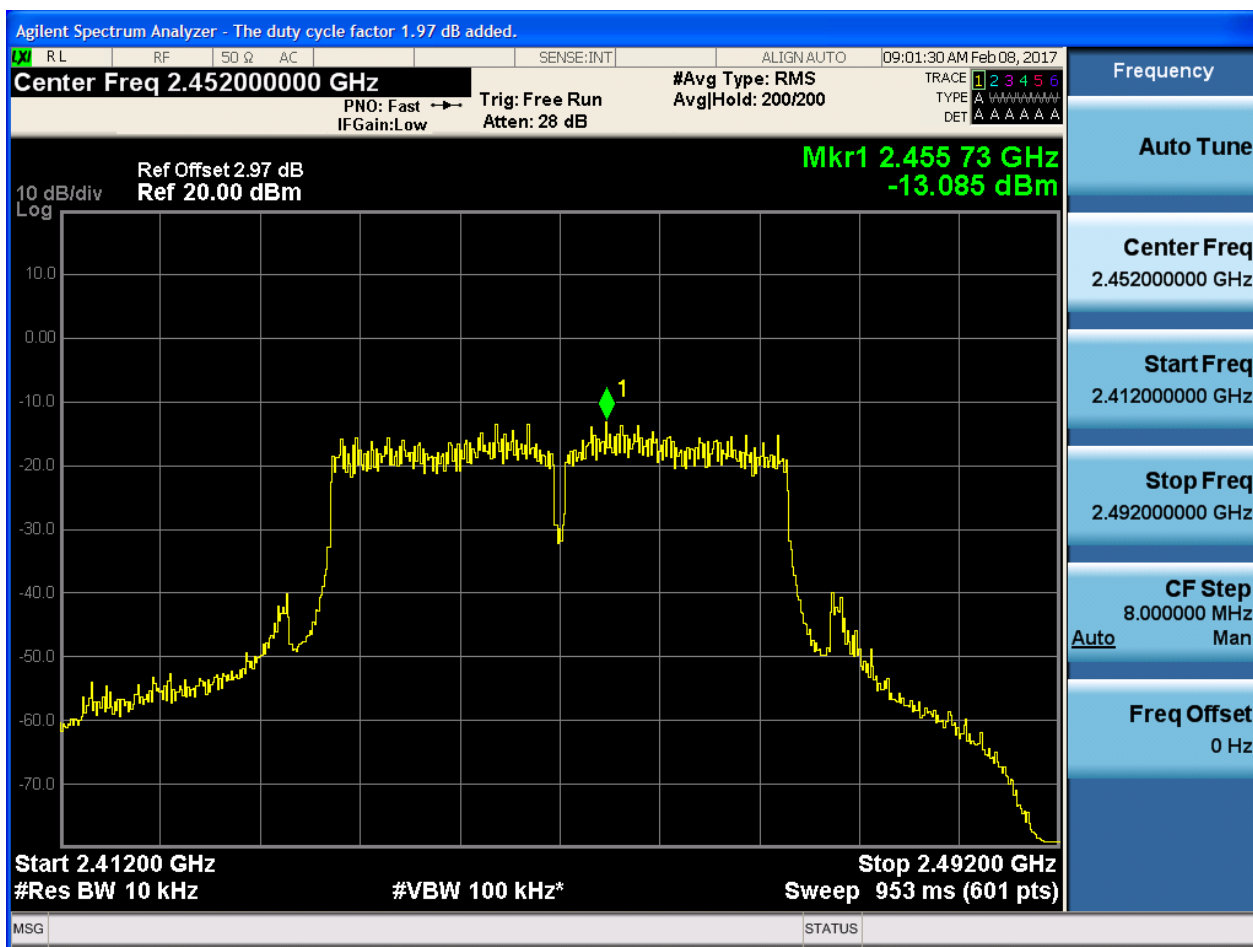


2.28 11N40_M@Ant 2



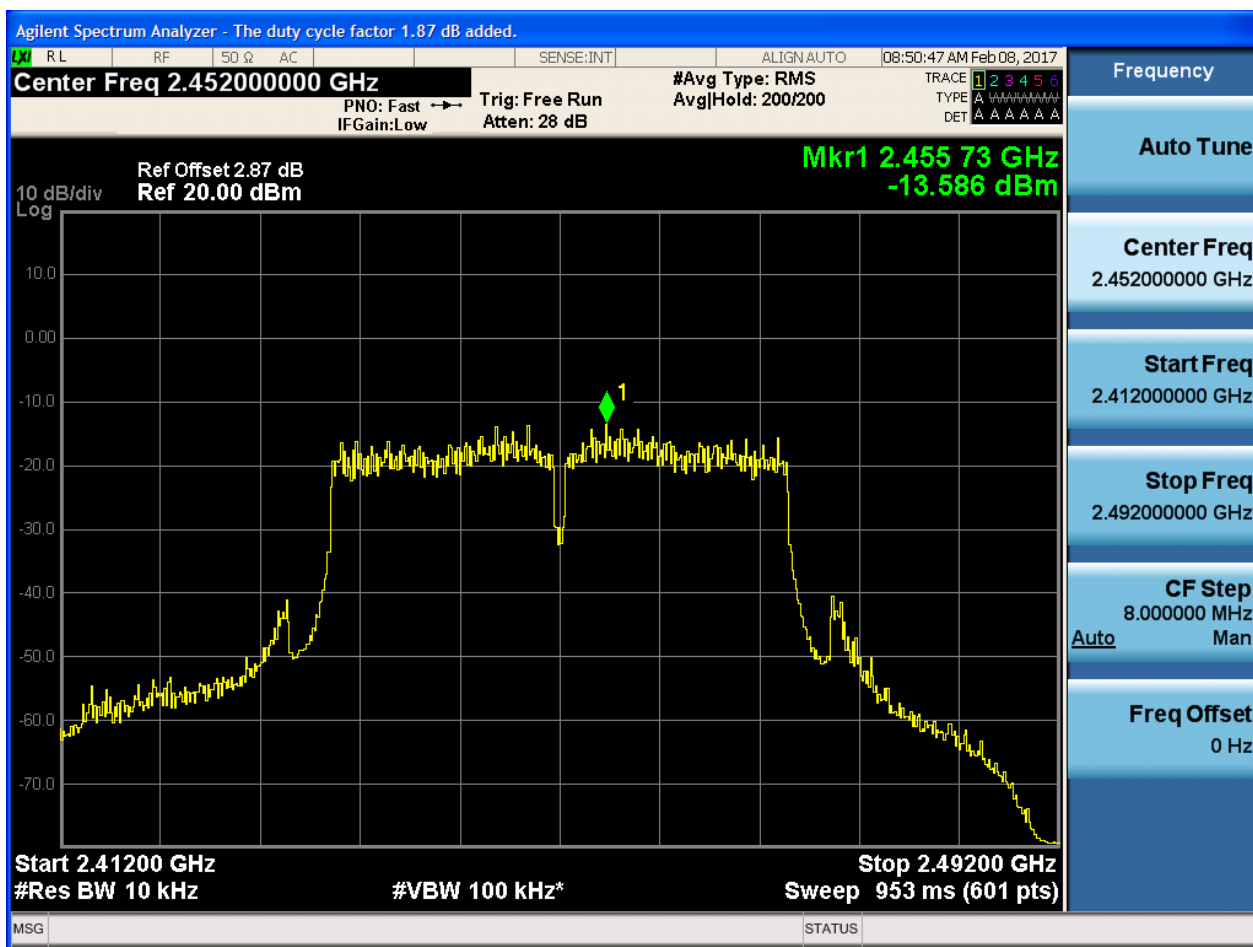


2.29 11N40_H@Ant 1



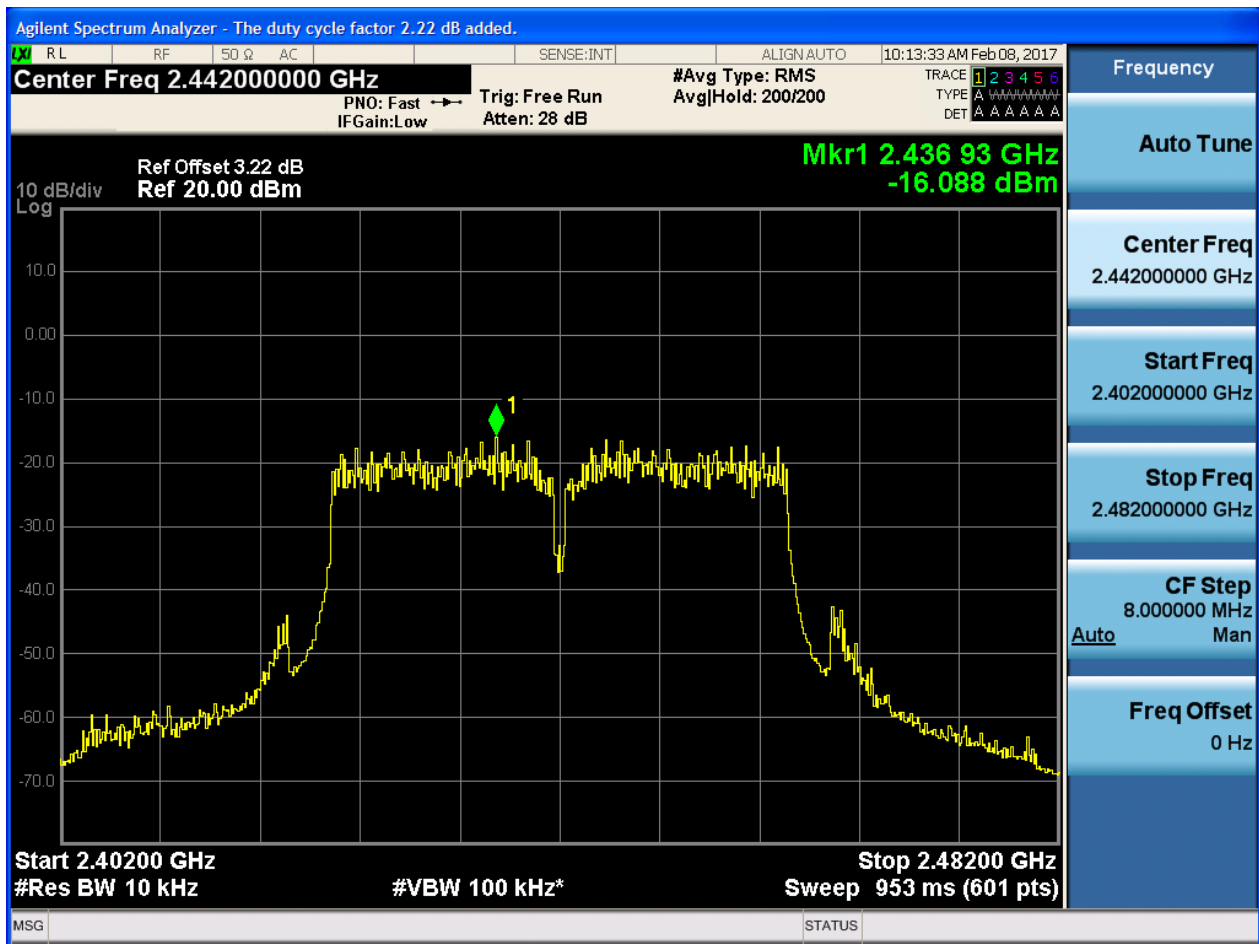


2.30 11N40_H@Ant 2



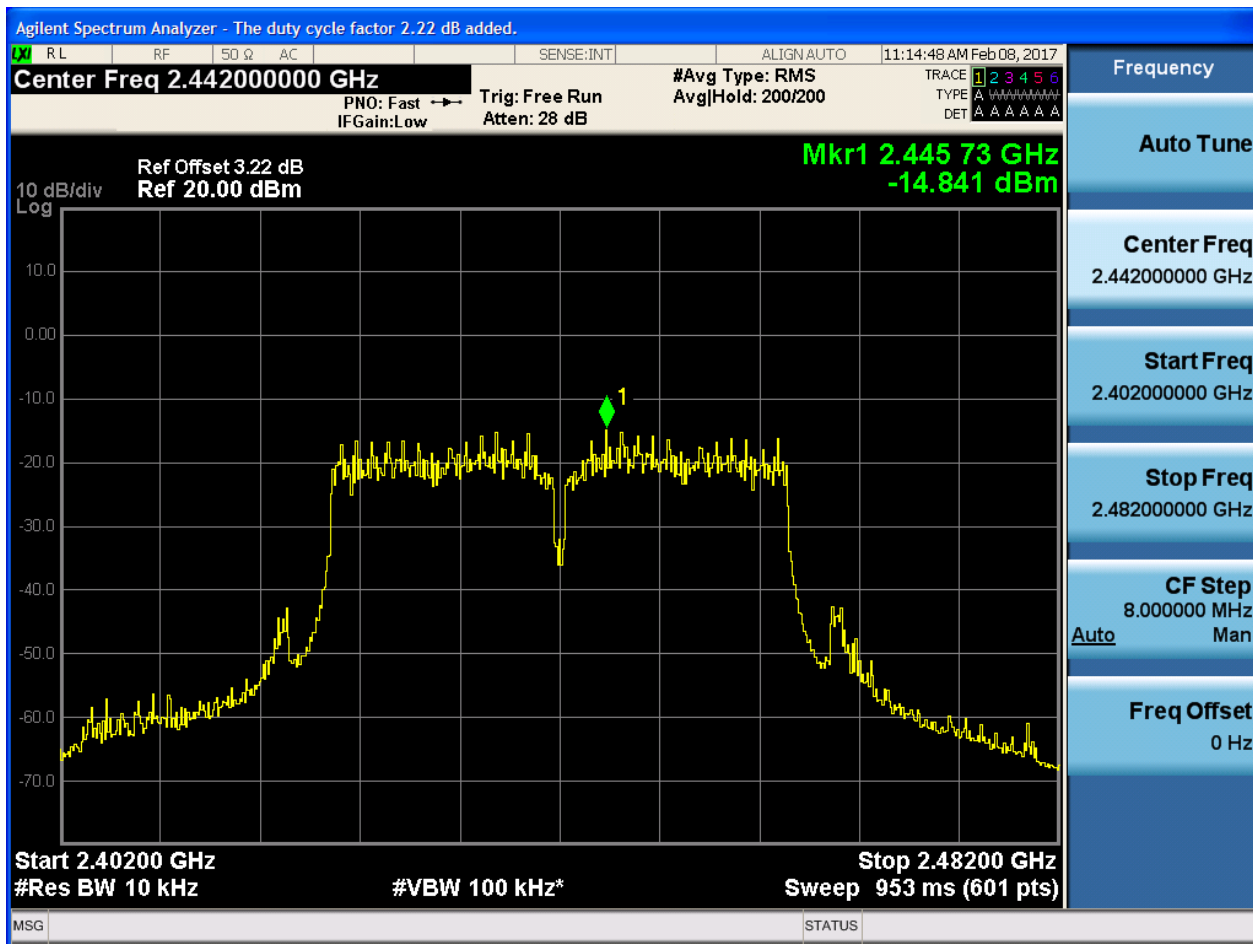


2.31 11N40m_L@Ant 1



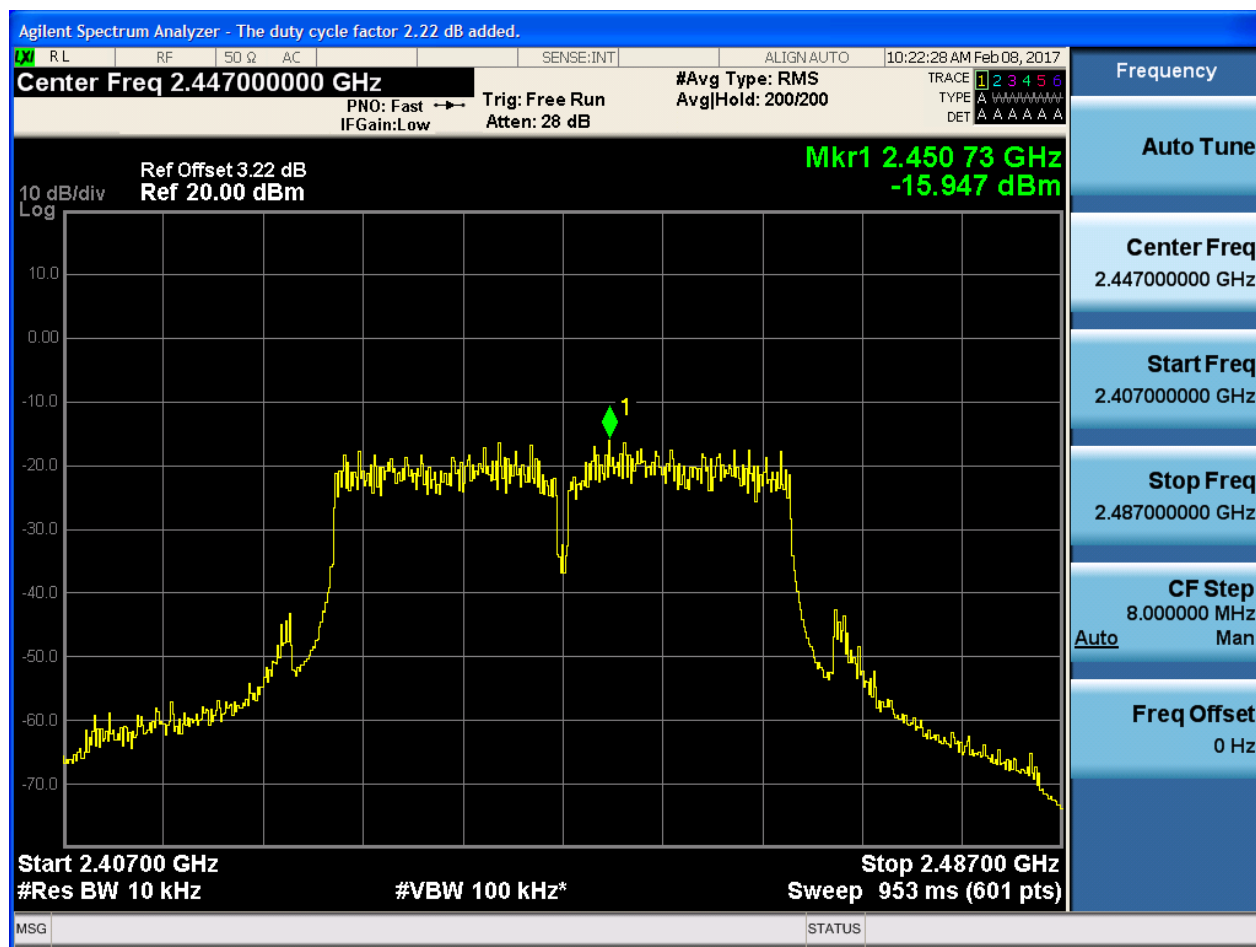


2.32 11N40m_L@Ant 2



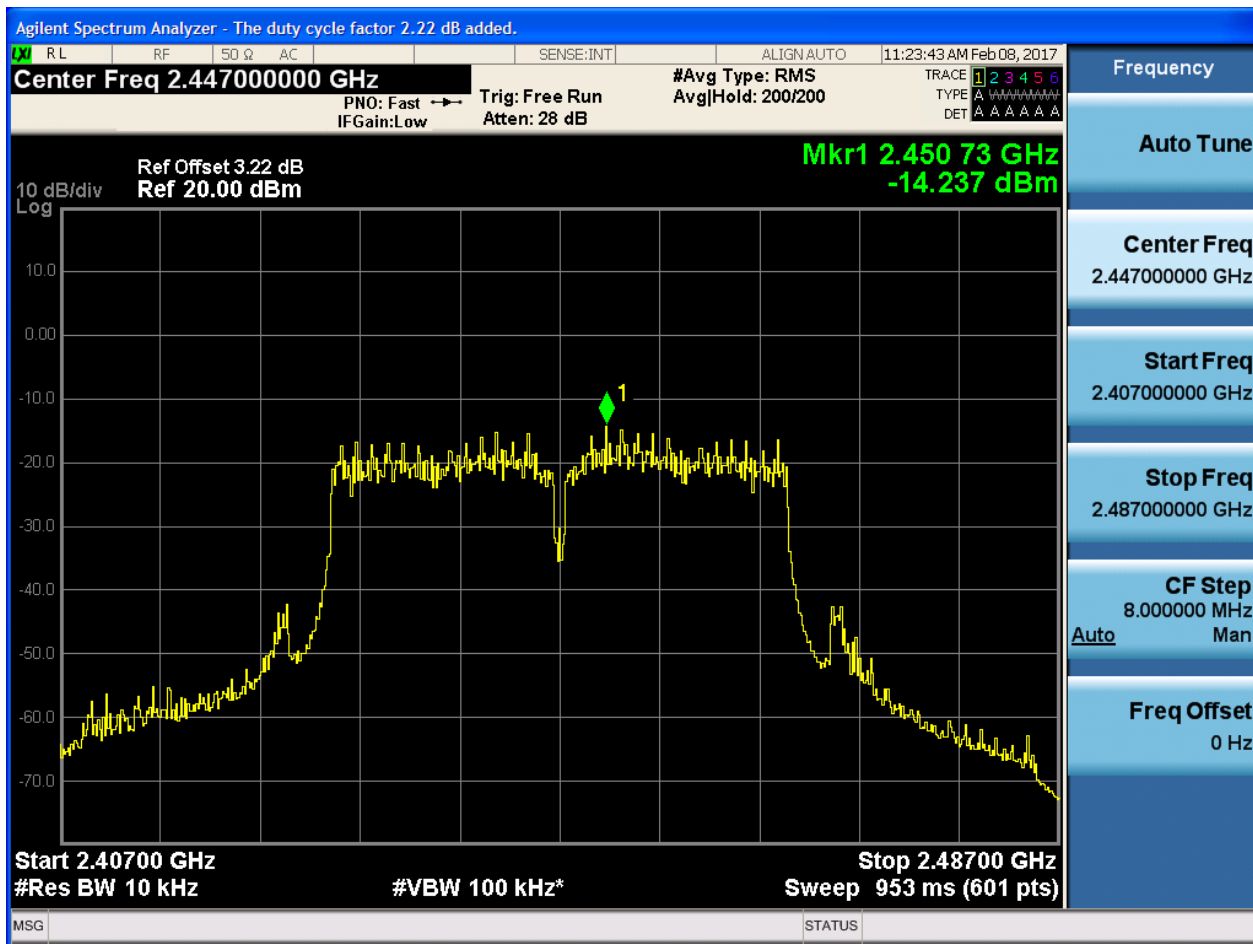


2.33 11N40m_M@Ant 1



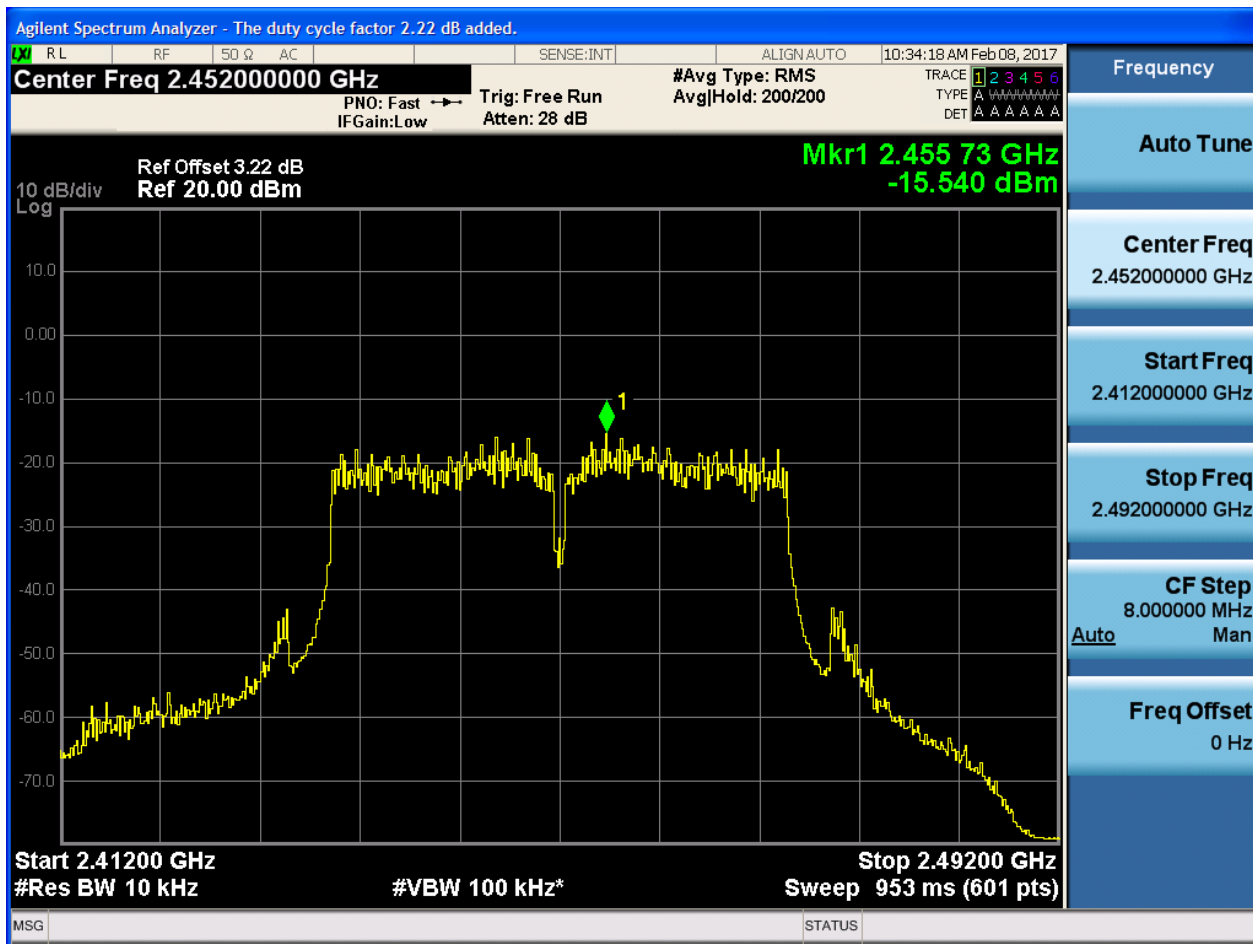


2.34 11N40m_M@Ant 2



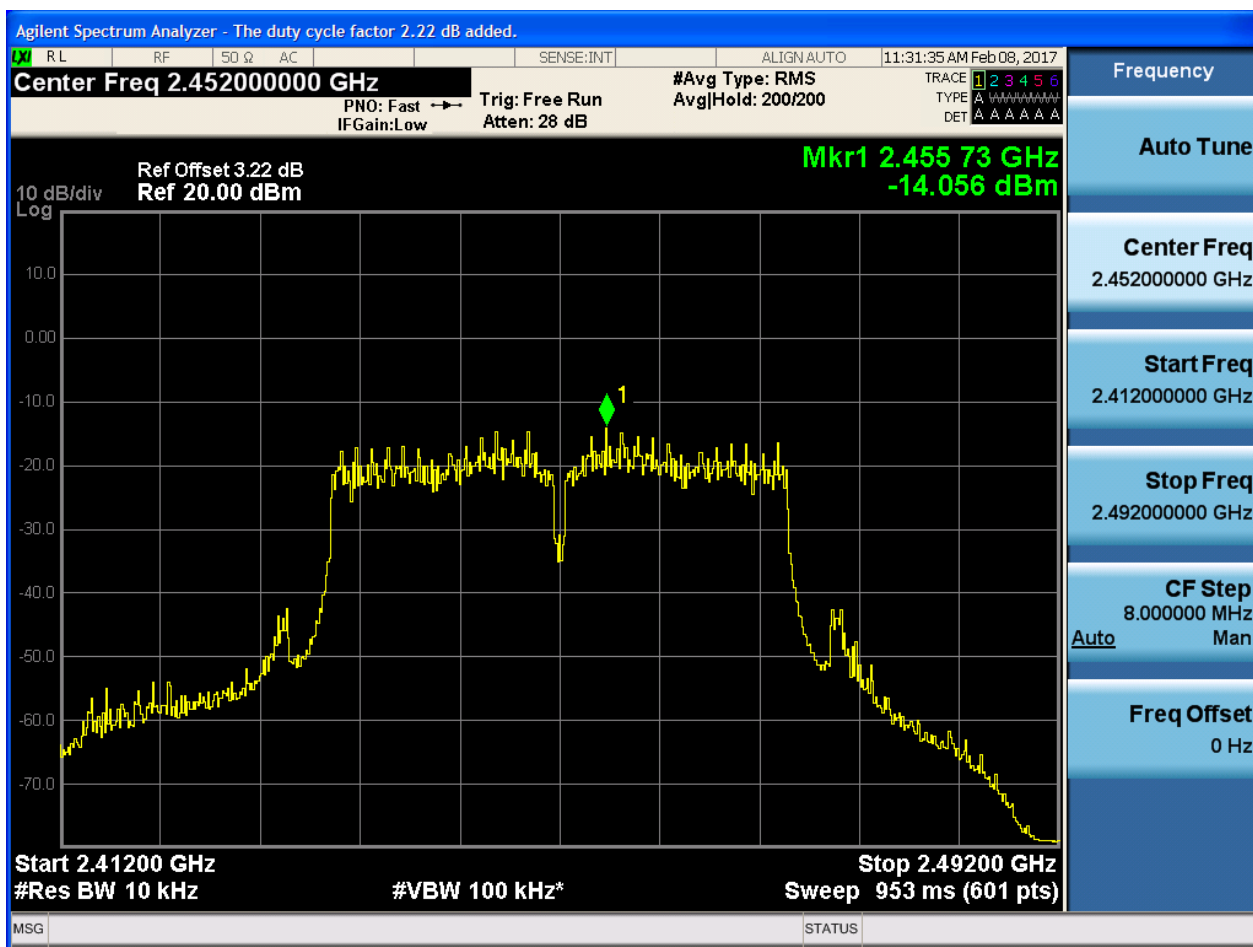


2.35 11N40m_H@Ant 1





2.36 11N40m_H@Ant 2



Appendix F: Band Edges Compliance

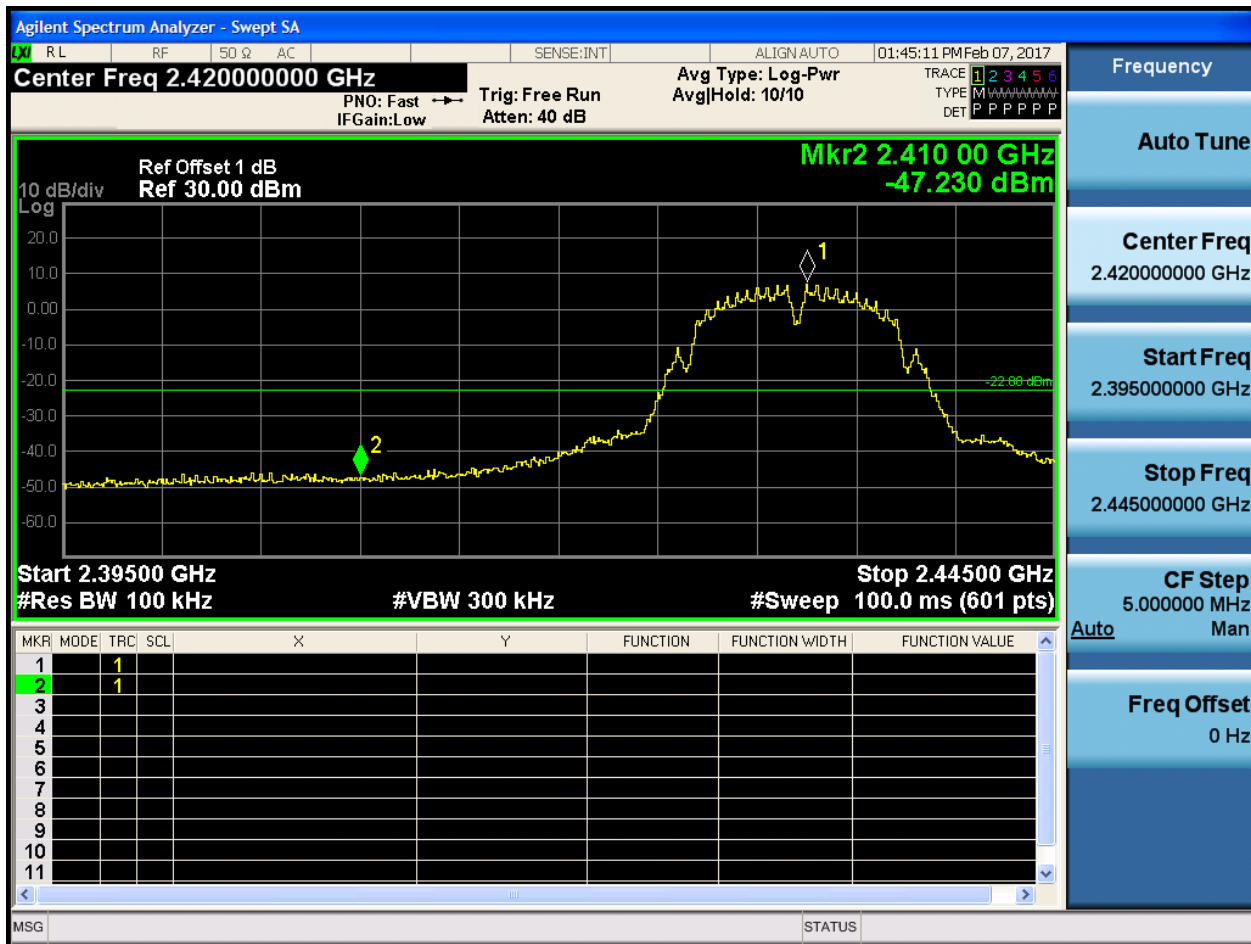
Part I - Test Results

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



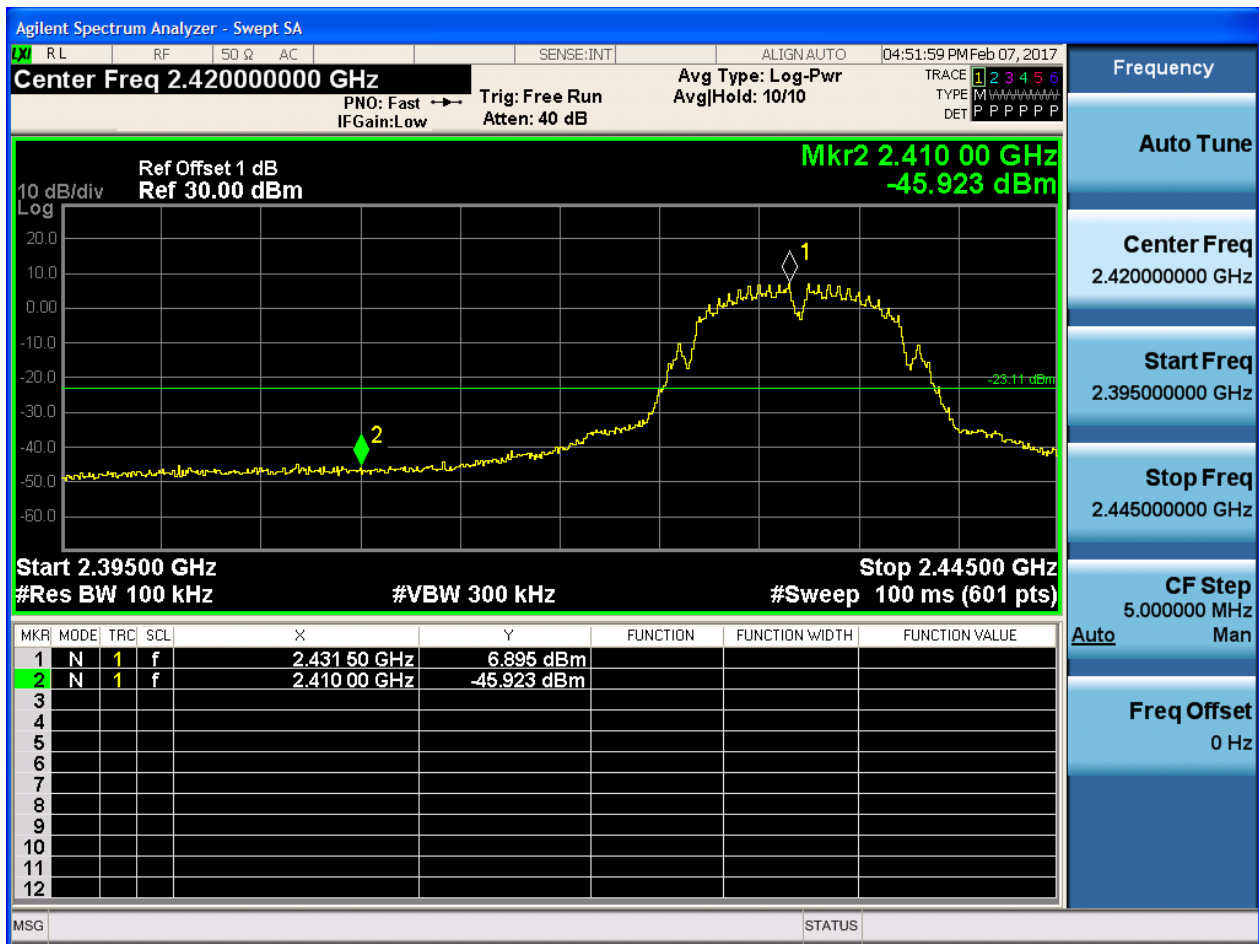
Part II - Test Plots

2.1 11B_L@Ant 1





2.2 11B_L@Ant 2



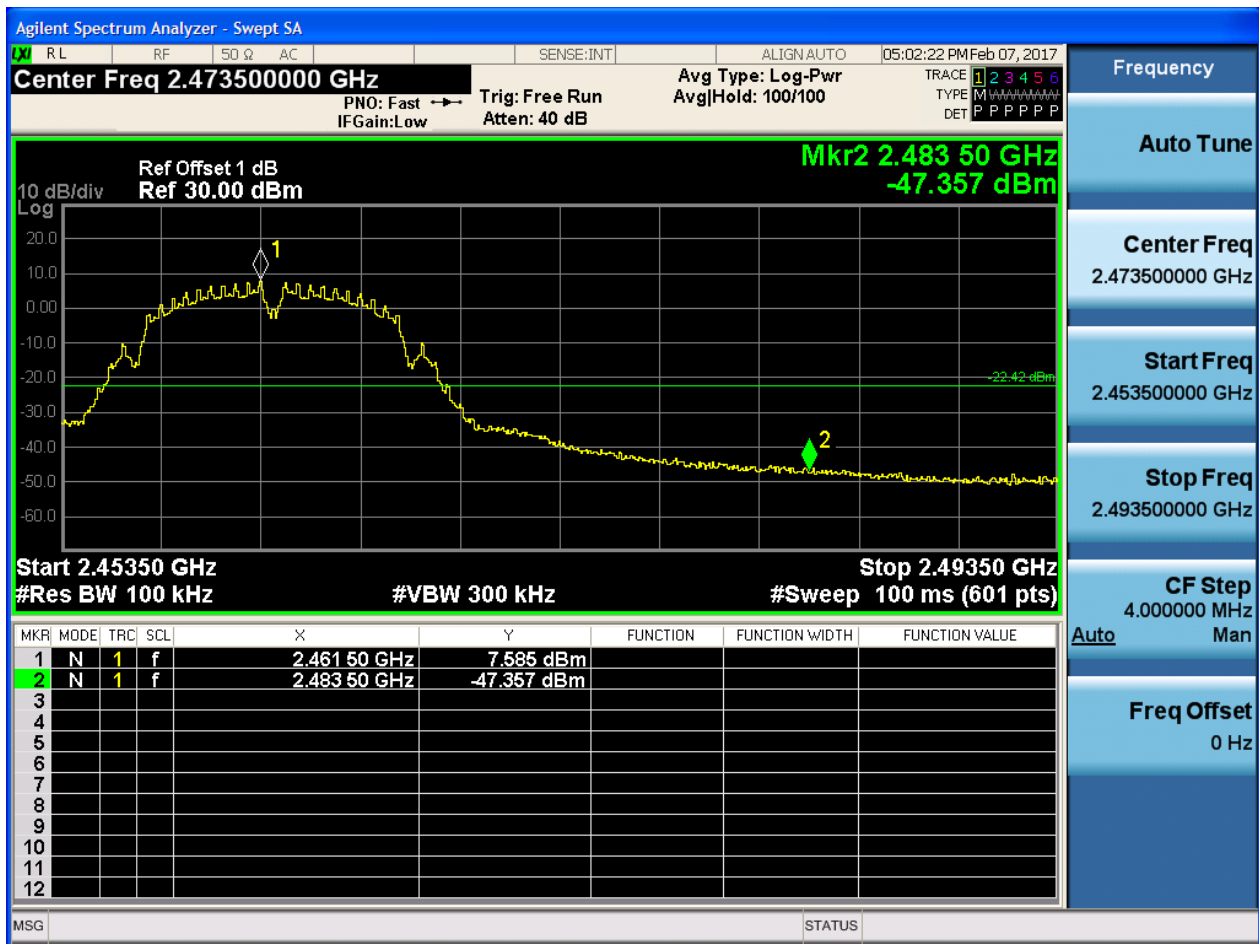


2.3 11B_H@Ant 1



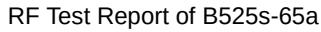


2.4 11B_H@Ant 2



2.5 11G_L@Ant 1



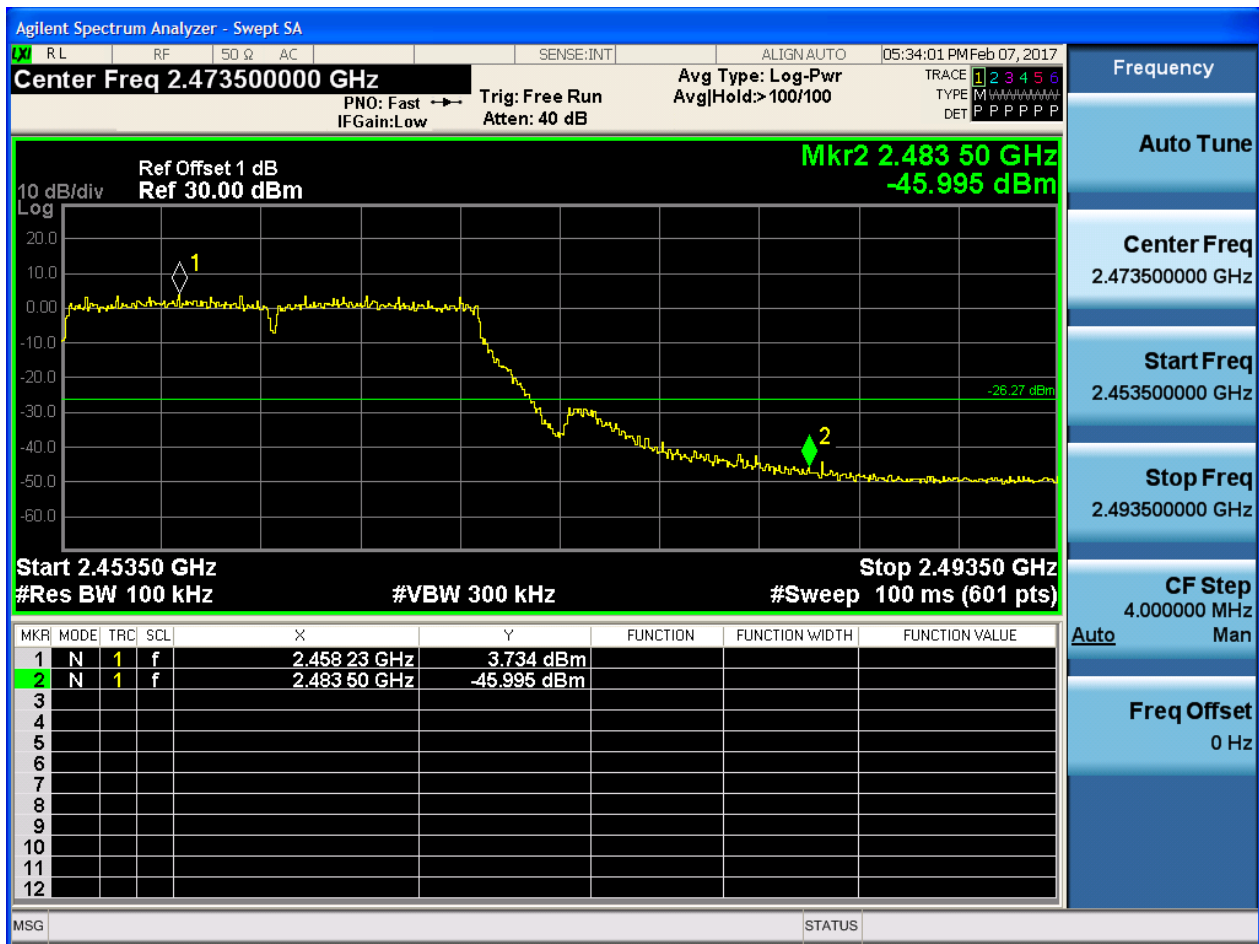
[illegible]

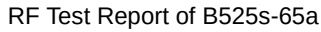
2.7 11G_H@Ant 1





2.8 11G_H@Ant 2





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.42000000 GHz

Ref Offset 1 dB
Ref 30.00 dBm

Mkr2 2.410 00 GHz
-44.043 dBm

Start 2.39500 GHz
#Res BW 100 kHz

Stop 2.44500 GHz
#Sweep 100.0 ms (601 pts)

#VBW 300 kHz

10 dB/div
Log

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.434 50 GHz	4.481 dBm			
2	N	1	f	2.410 00 GHz	-44.043 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.42000000 GHz

Start Freq
2.39500000 GHz

Stop Freq
2.44500000 GHz

CF Step
5.000000 MHz
Auto

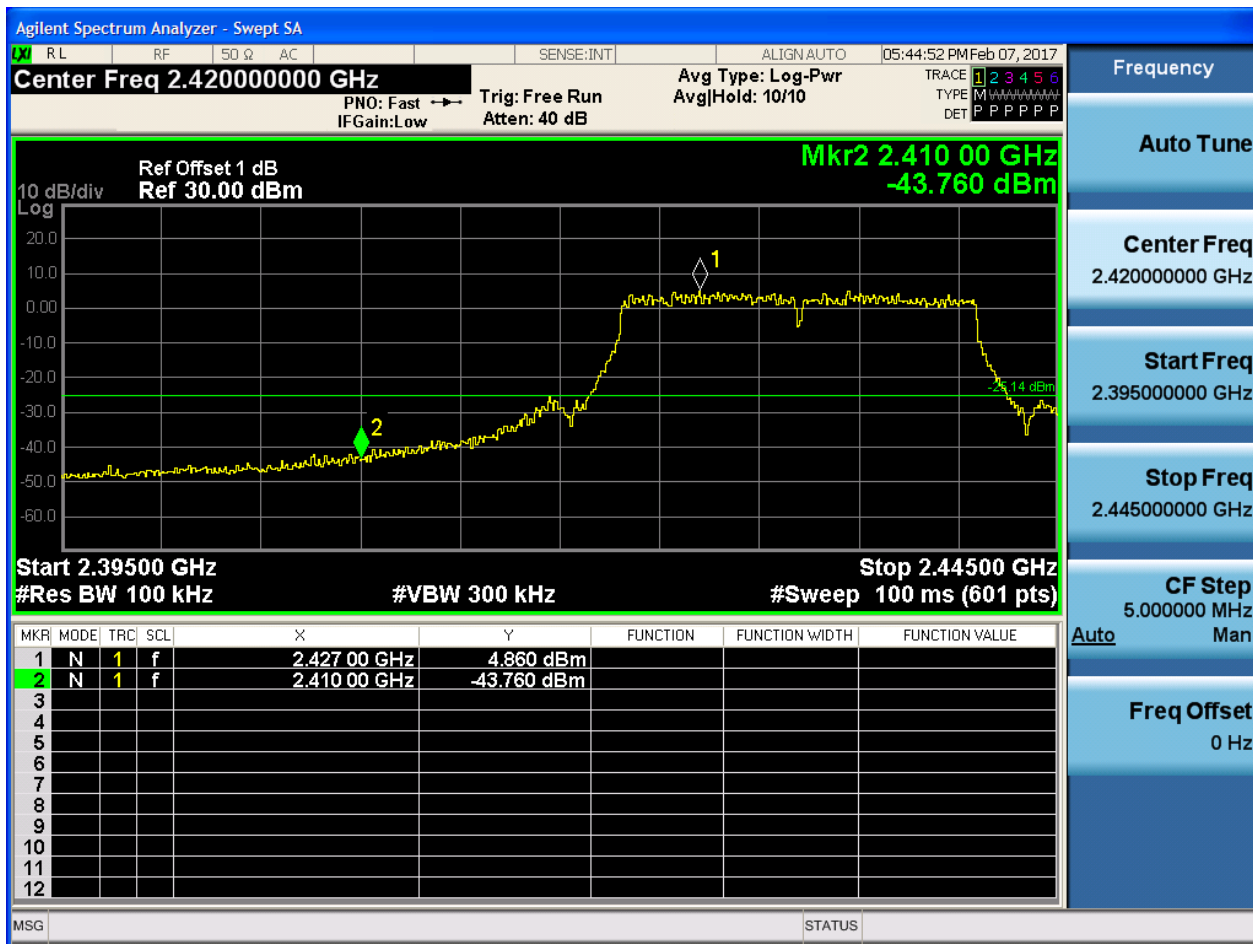
Freq Offset
0 Hz

MSG

STATUS



2.10 11N20_L@Ant 2



2.11 11N20_H@Ant 1



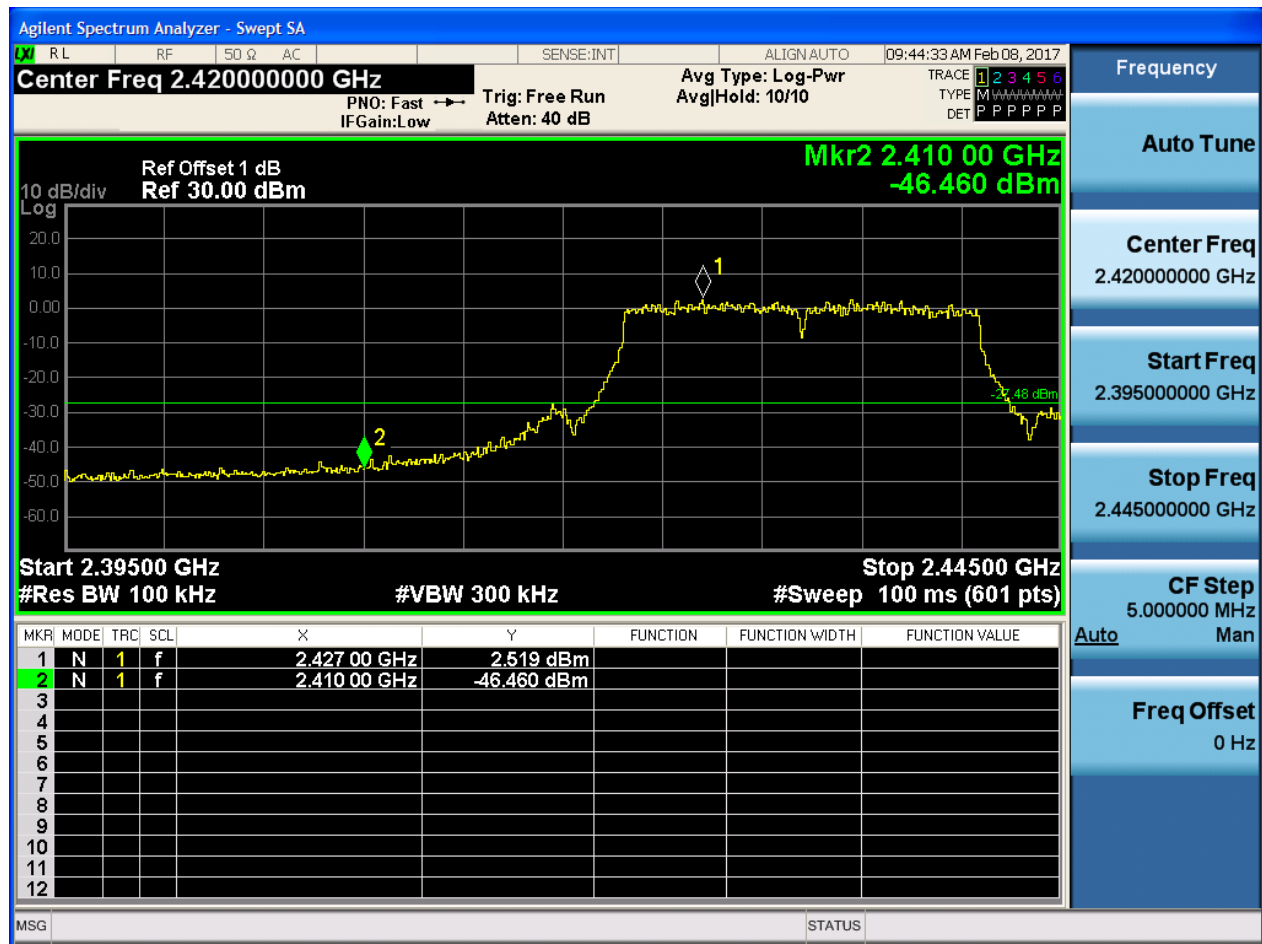


2.12 11N20_H@Ant 2



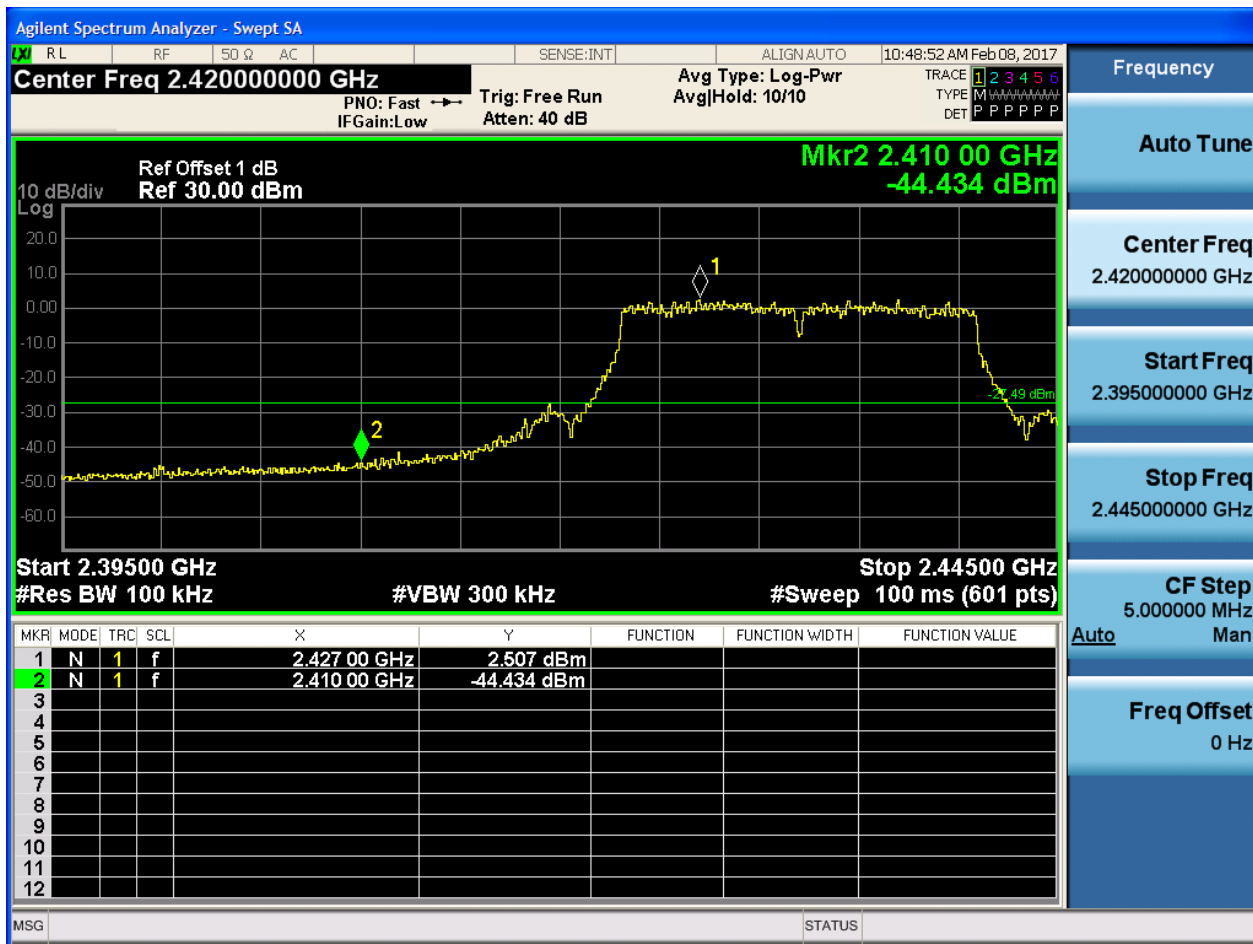


2.13 11N20m_L@Ant 1



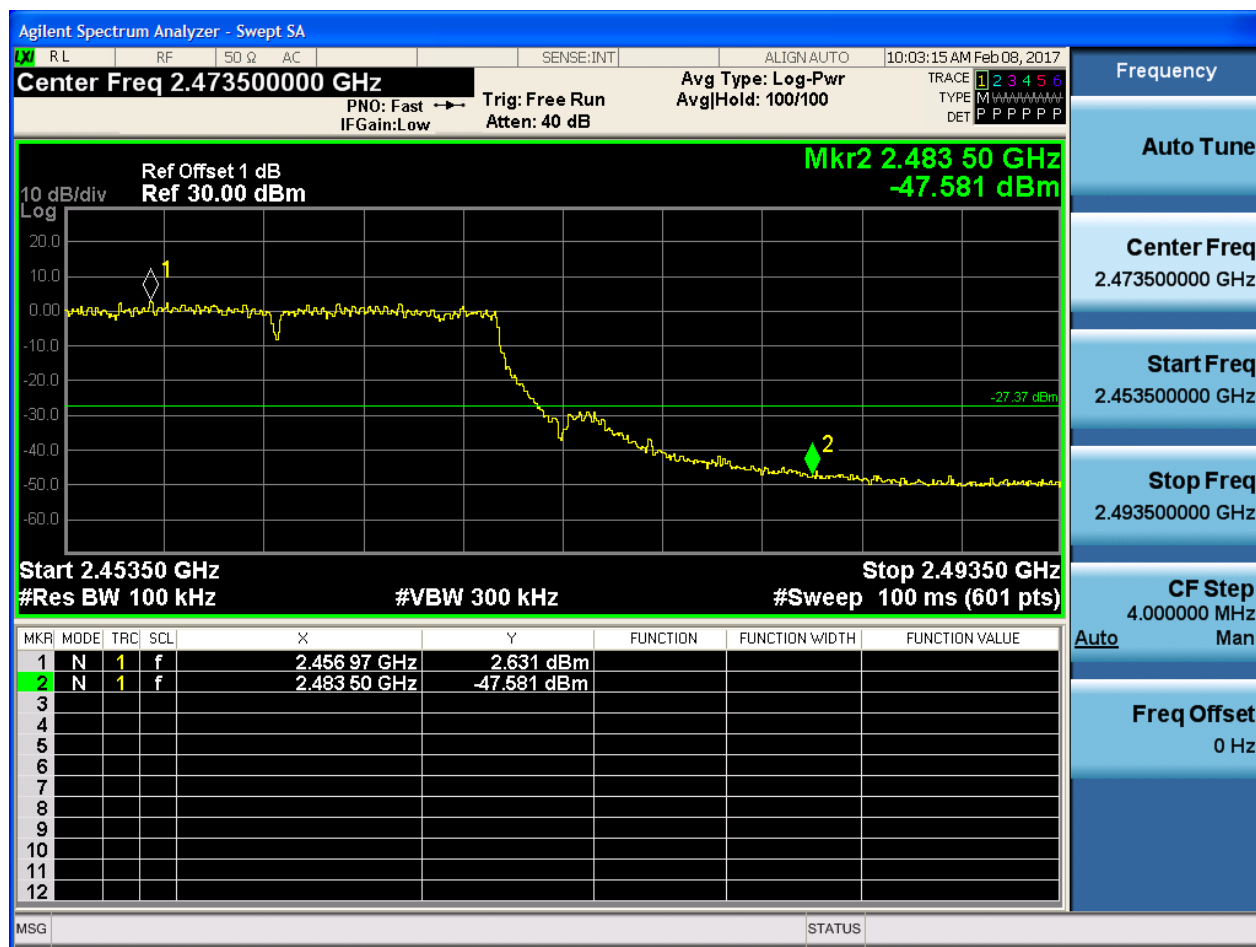


2.14 11N20m_L@Ant 2



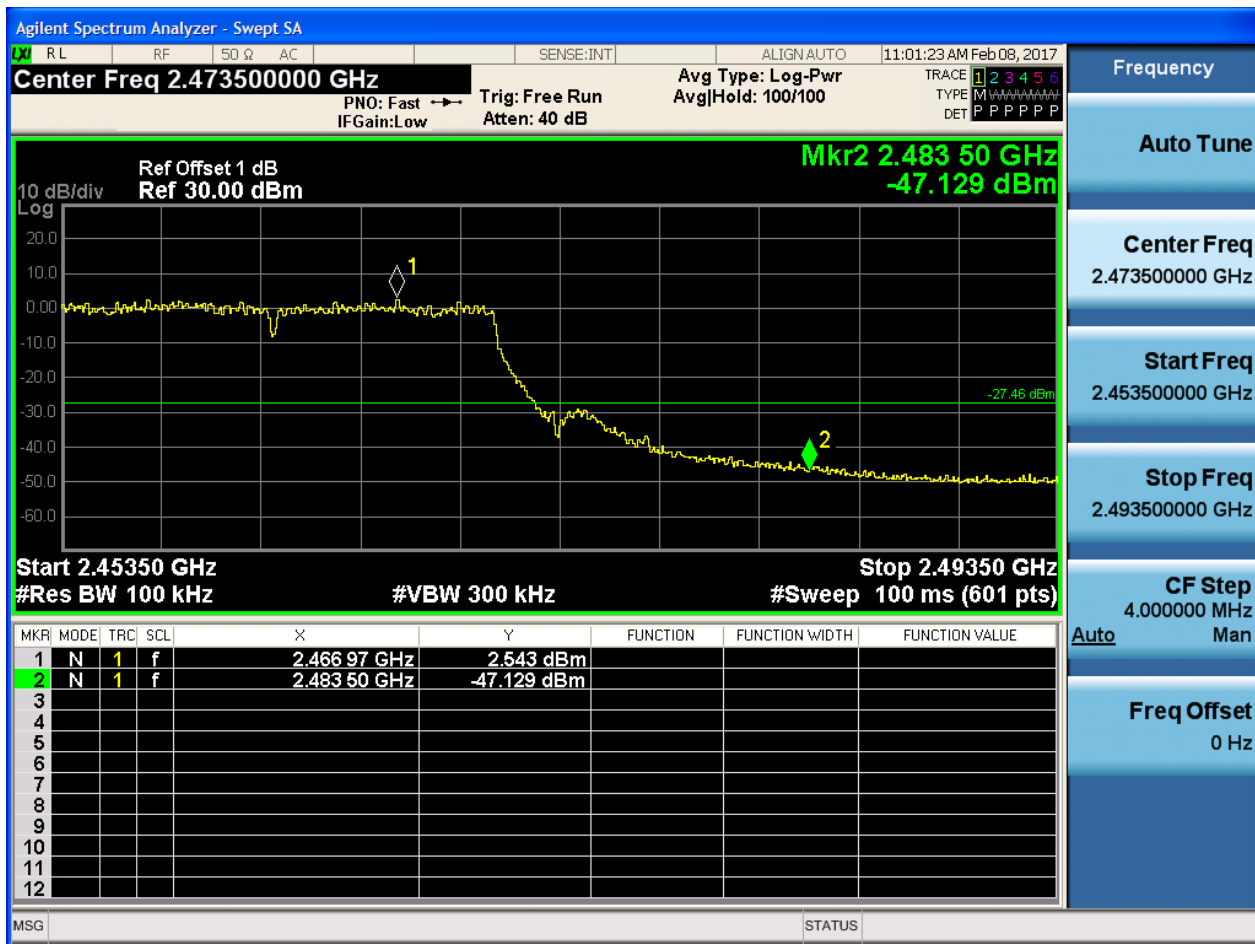


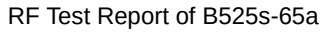
2.15 11N20m_H@Ant 1





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

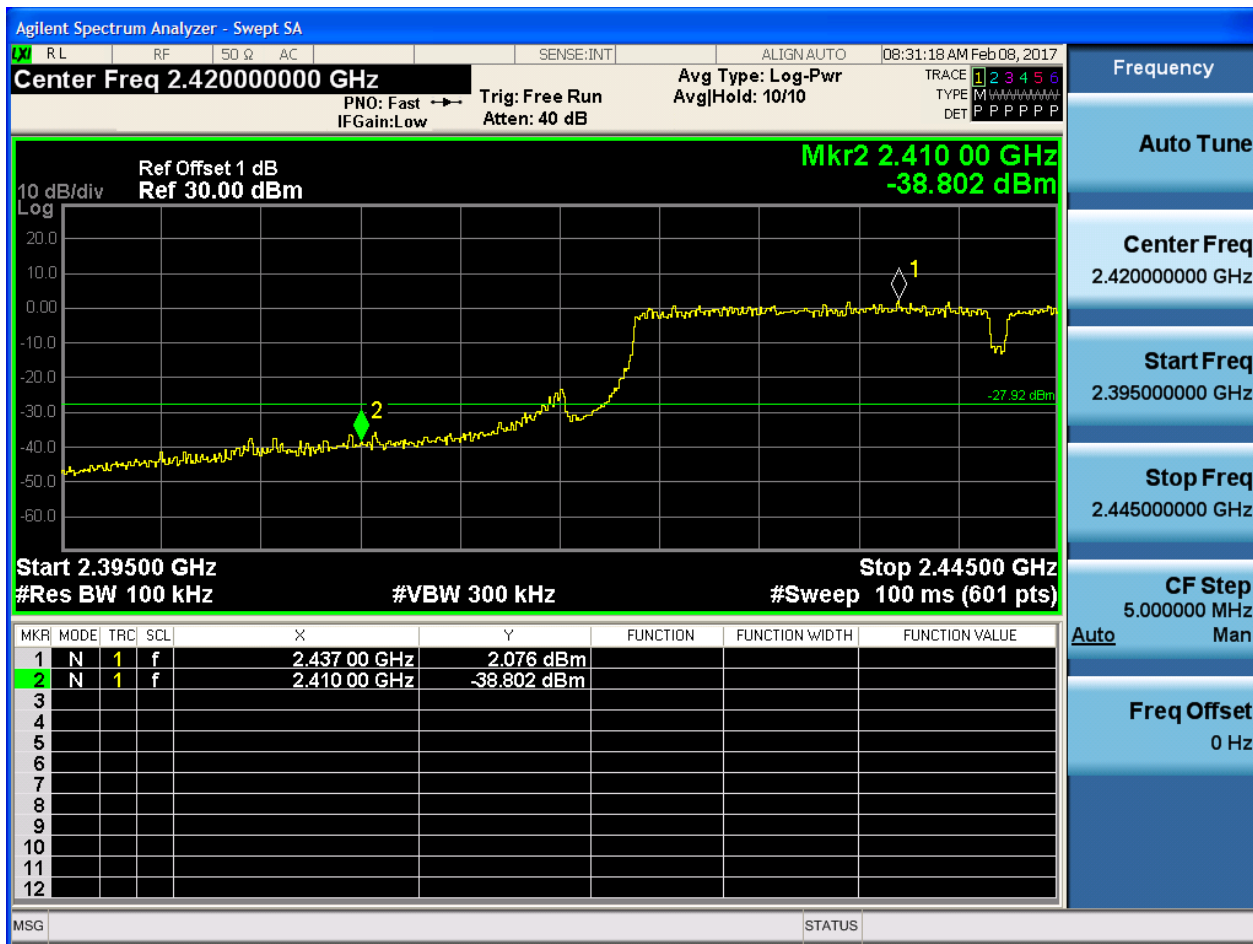
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.437 00 GHz	2.544 dBm			
2	N	1	f	2.410 00 GHz	-37.165 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS



2.18 11N40_L@Ant 2





2.19 11N40_H@Ant 1



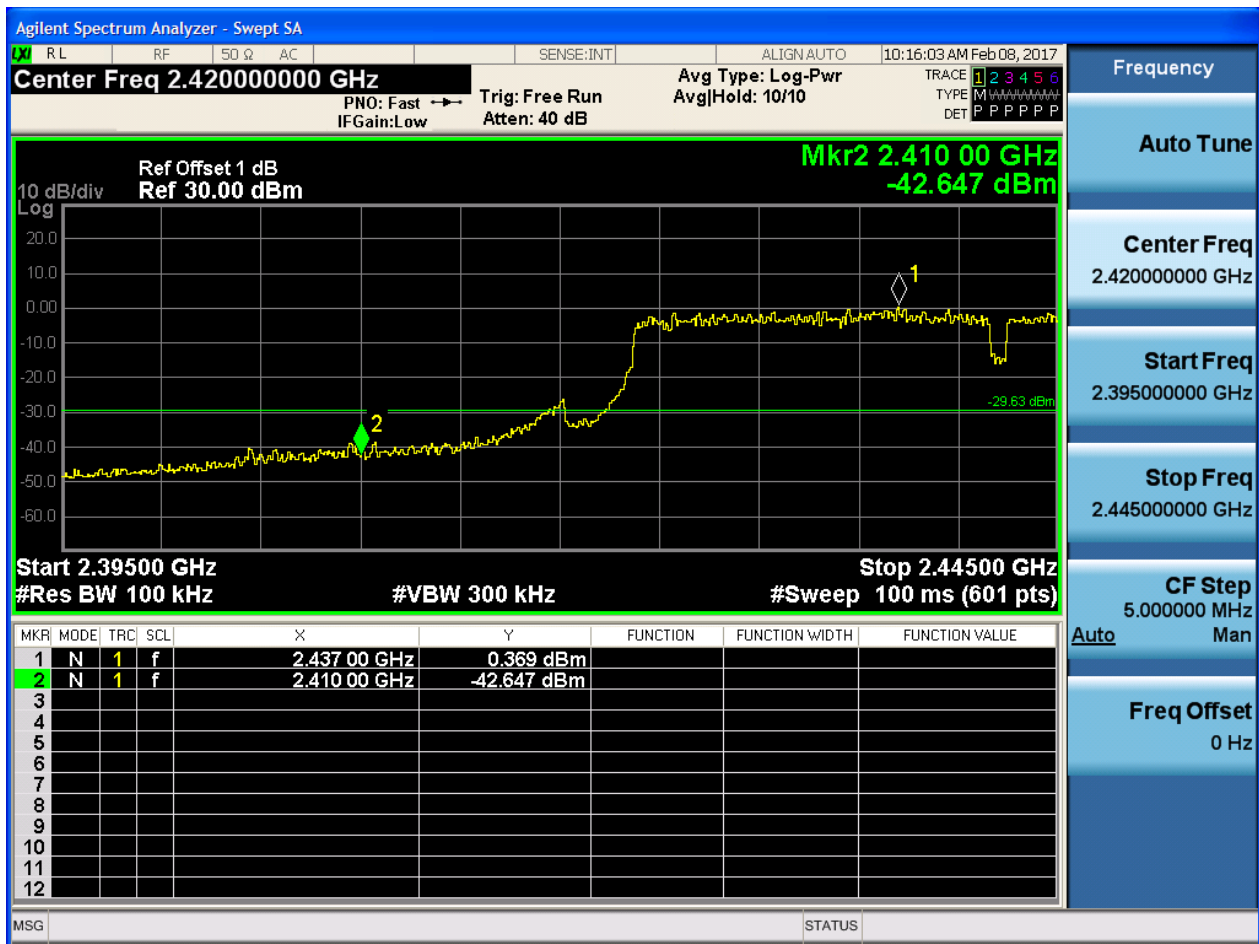


2.20 11N40_H@Ant 2





2.21 11N40m_L@Ant 1





2.22 11N40m_L@Ant 2



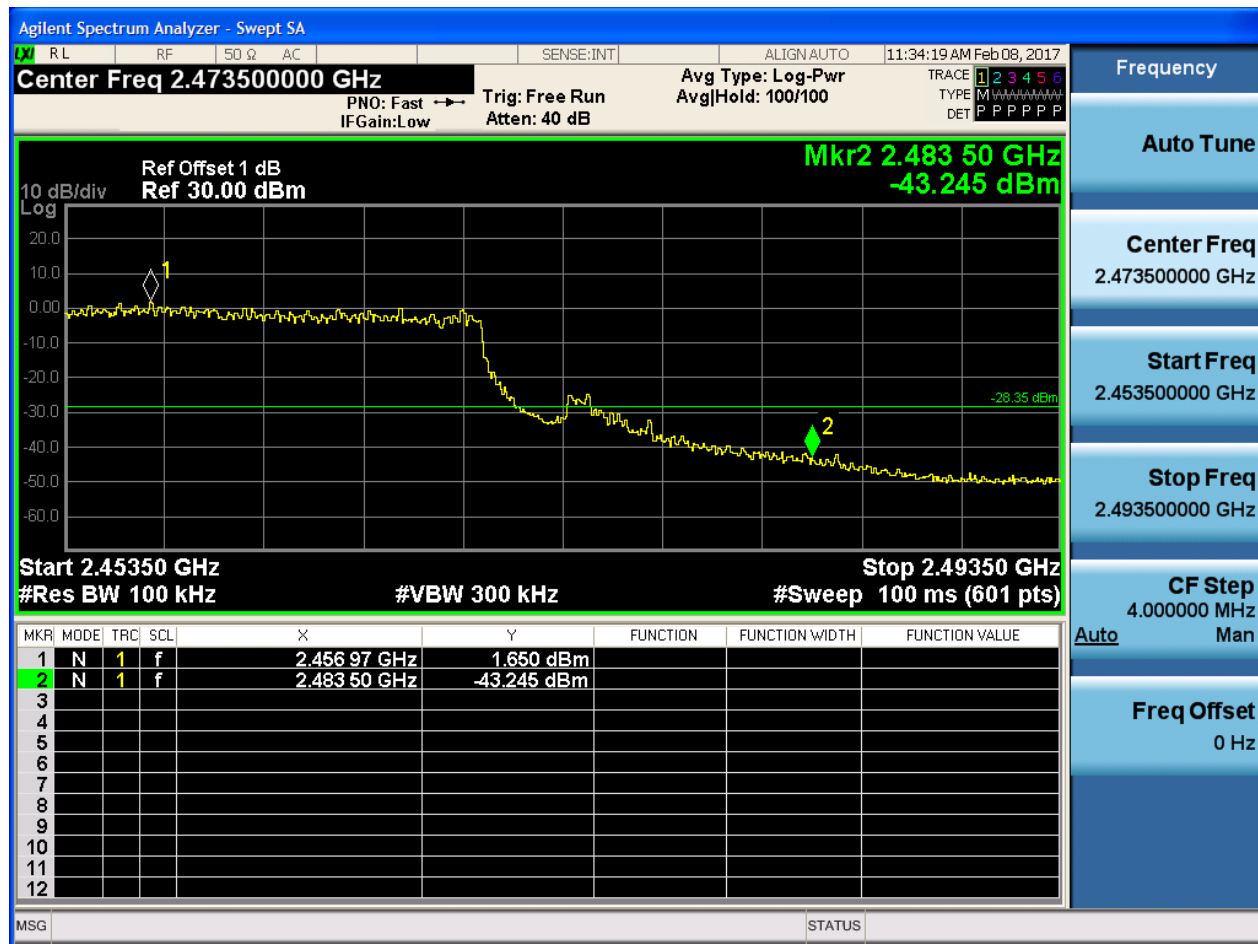


2.23 11N40m_H@Ant 1





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

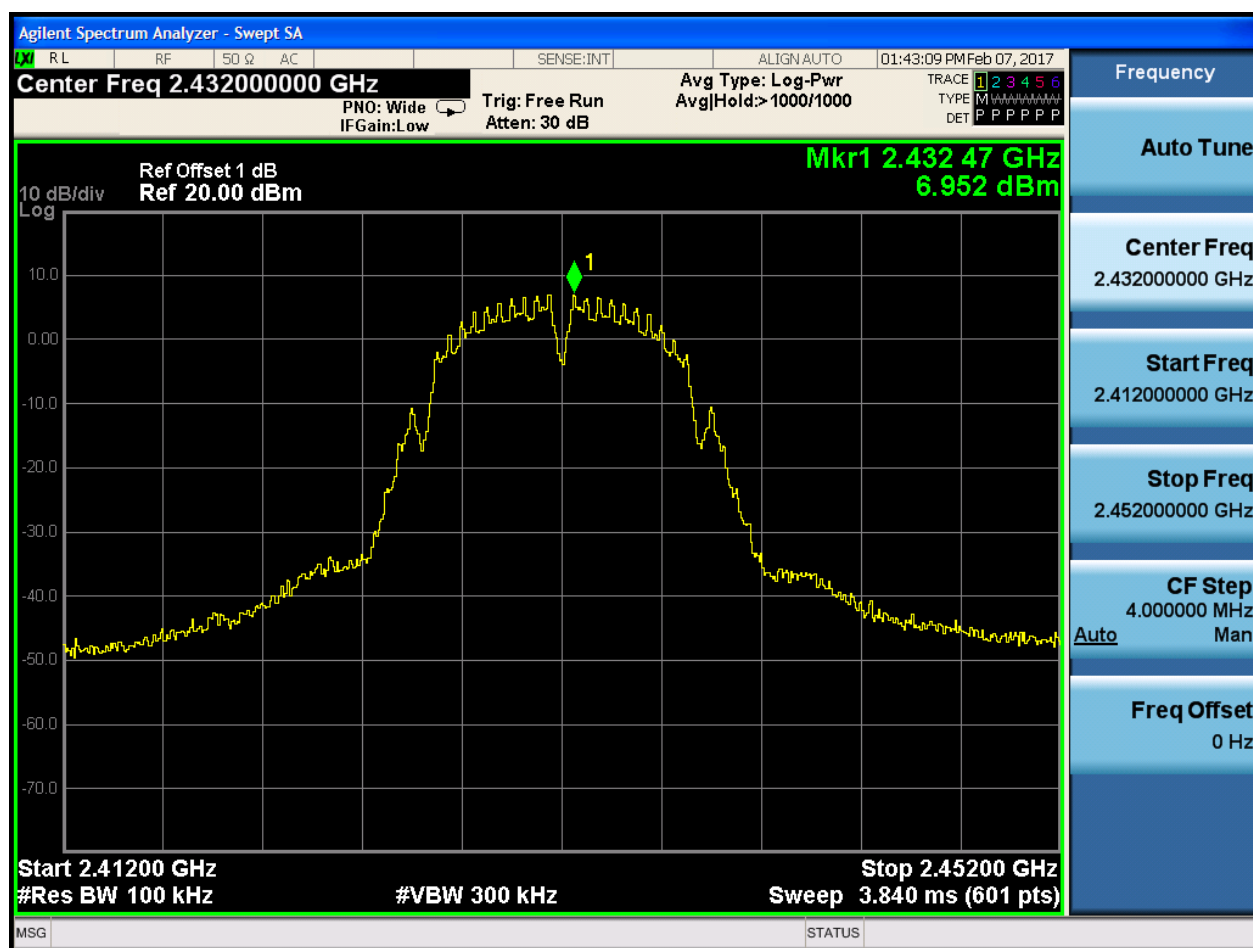
Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11B	L	2432	Ant 1	6.95	<limit	pass
11B	L	2432	Ant 2	7.42	<limit	pass
11B	M	2447	Ant 1	7.85	<limit	pass
11B	M	2447	Ant 2	7.46	<limit	pass
11B	H	2462	Ant 1	7.92	<limit	pass
11B	H	2462	Ant 2	7.37	<limit	pass
11G	L	2432	Ant 1	4.20	<limit	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

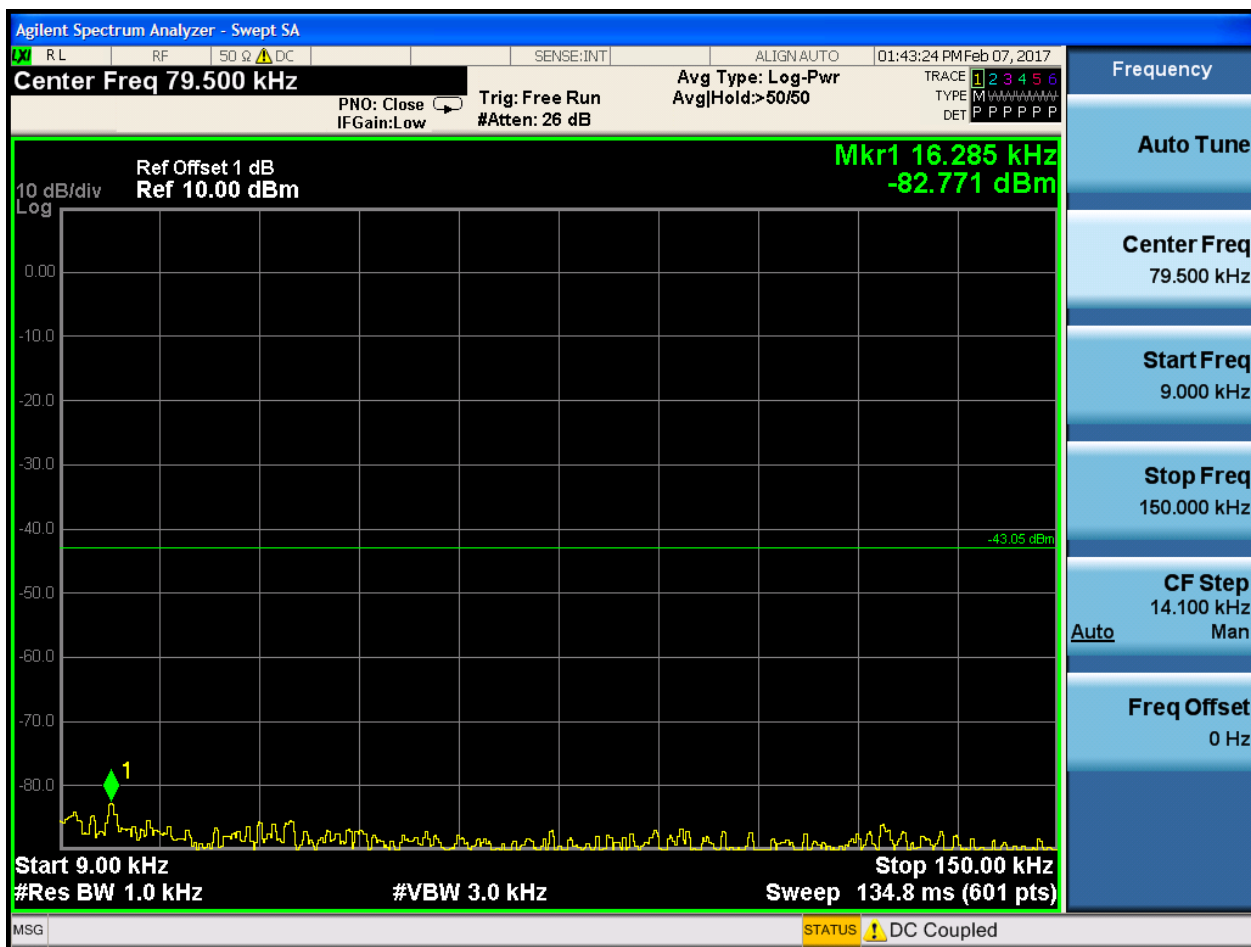
2.1 11B L@Ant 1

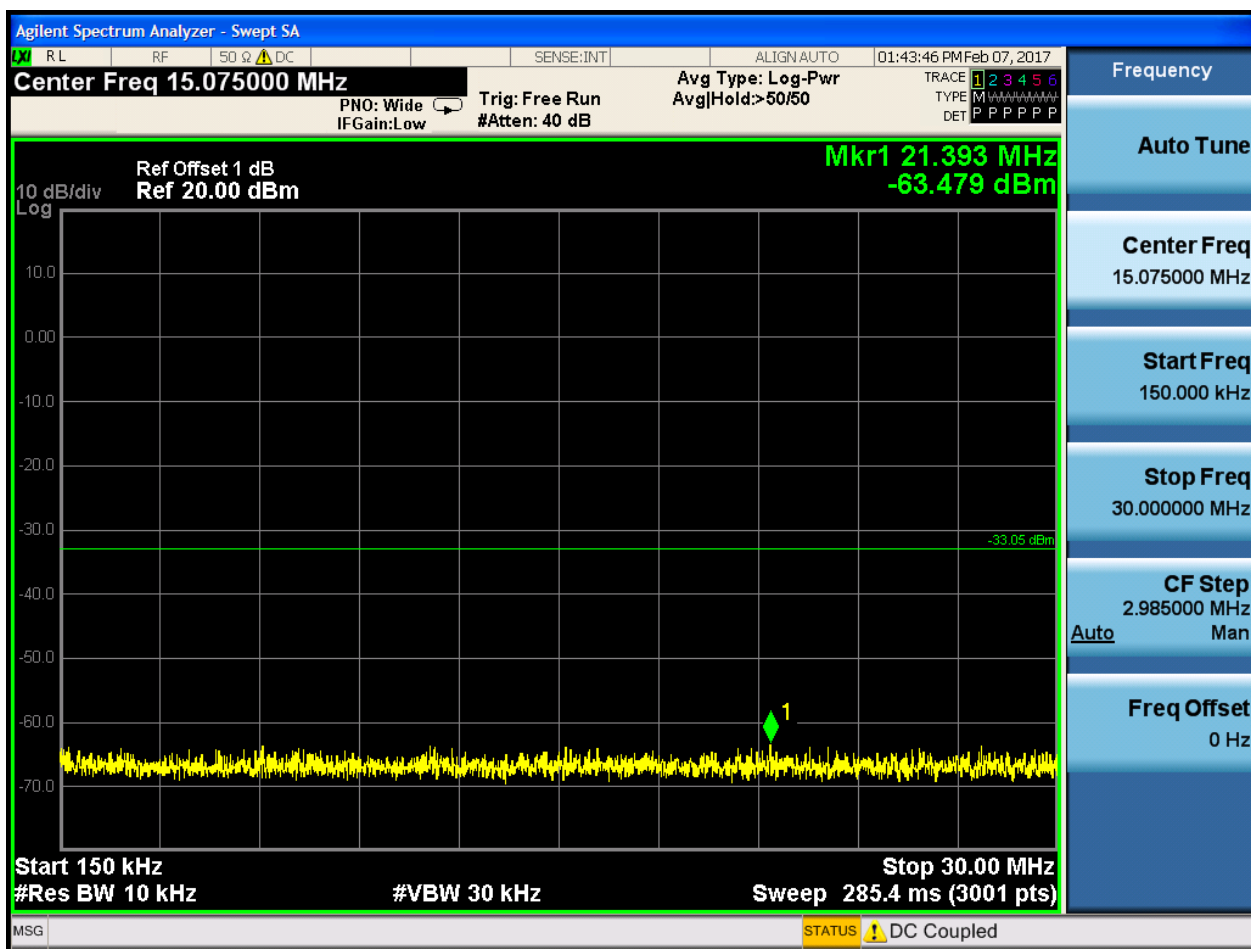
Pref:

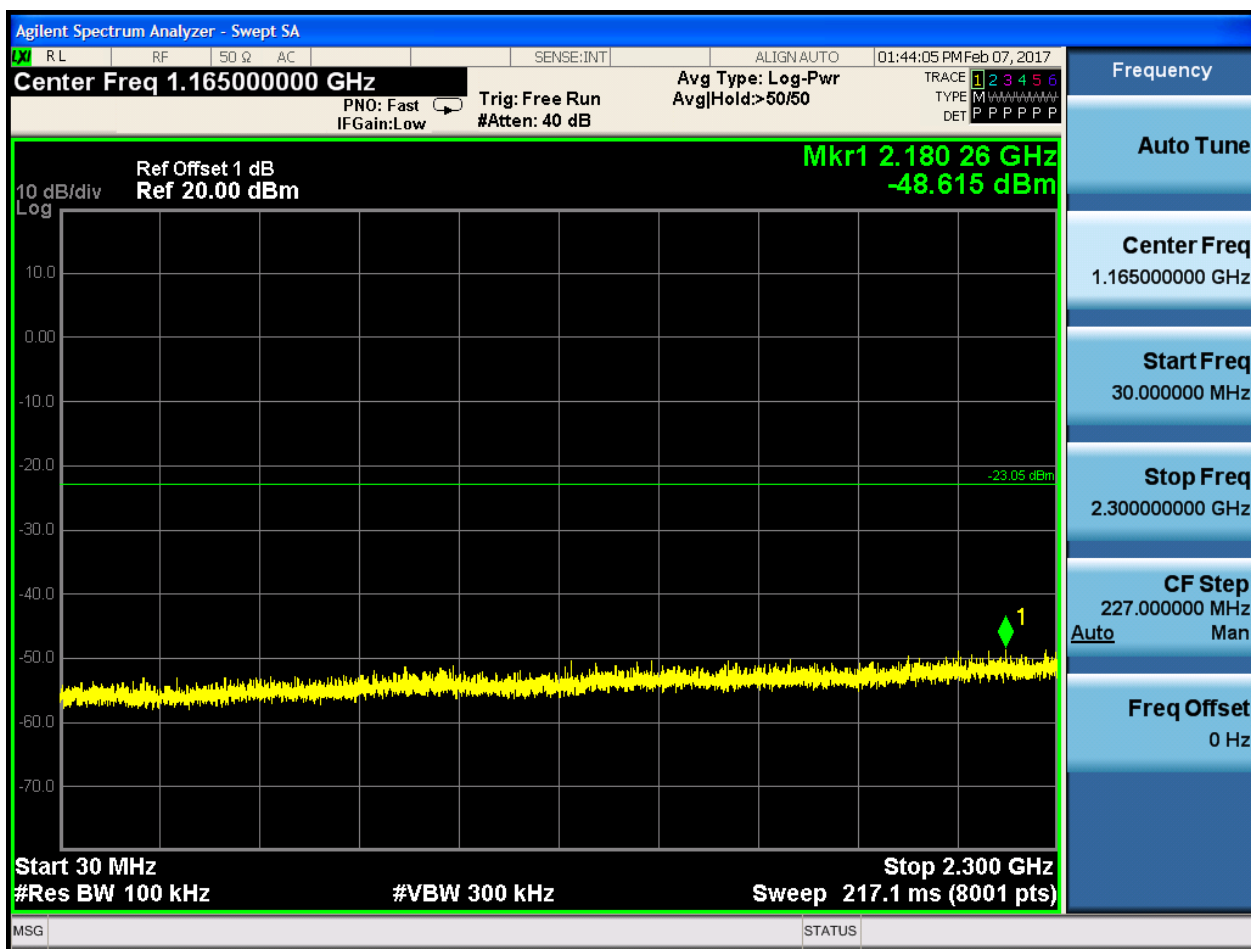


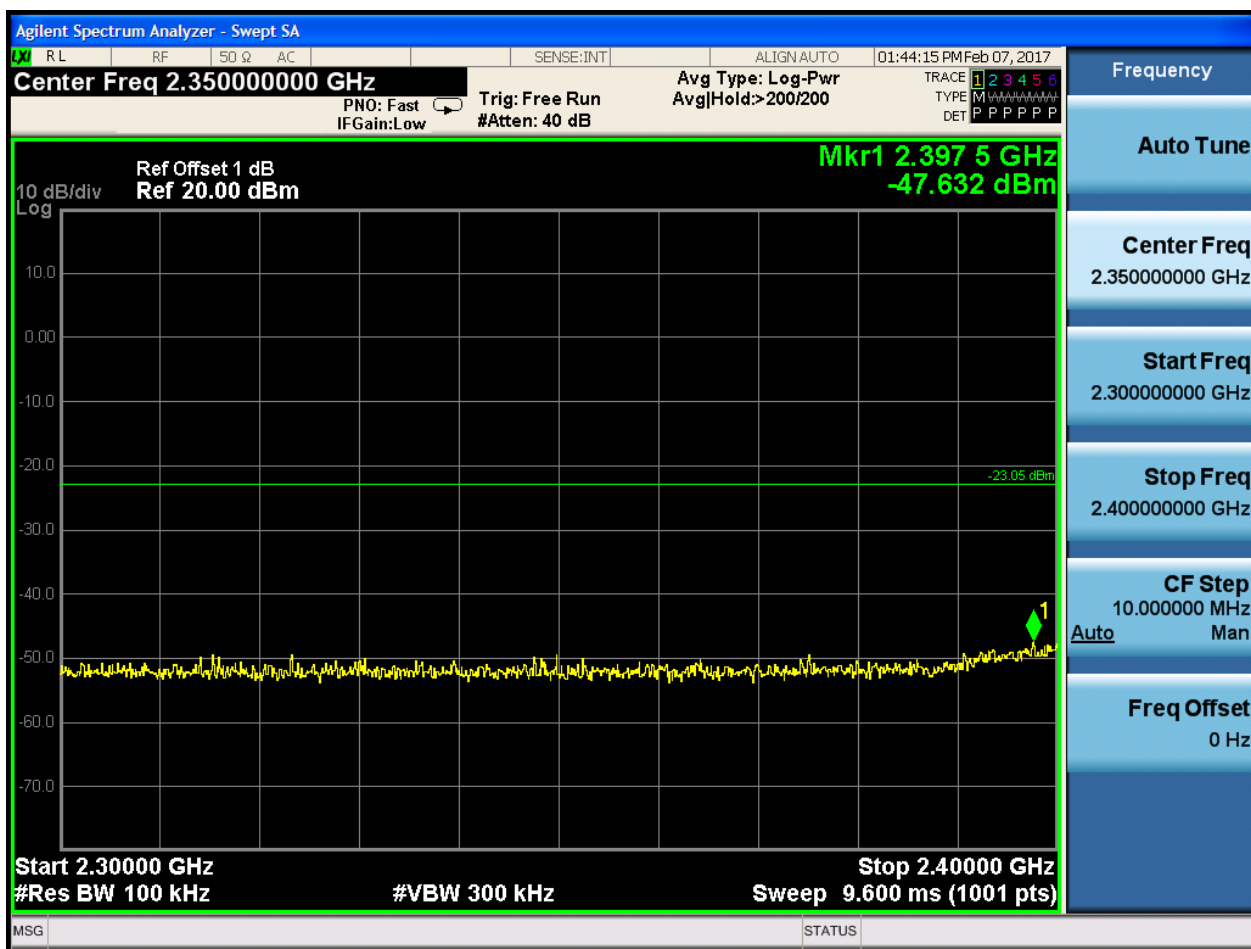


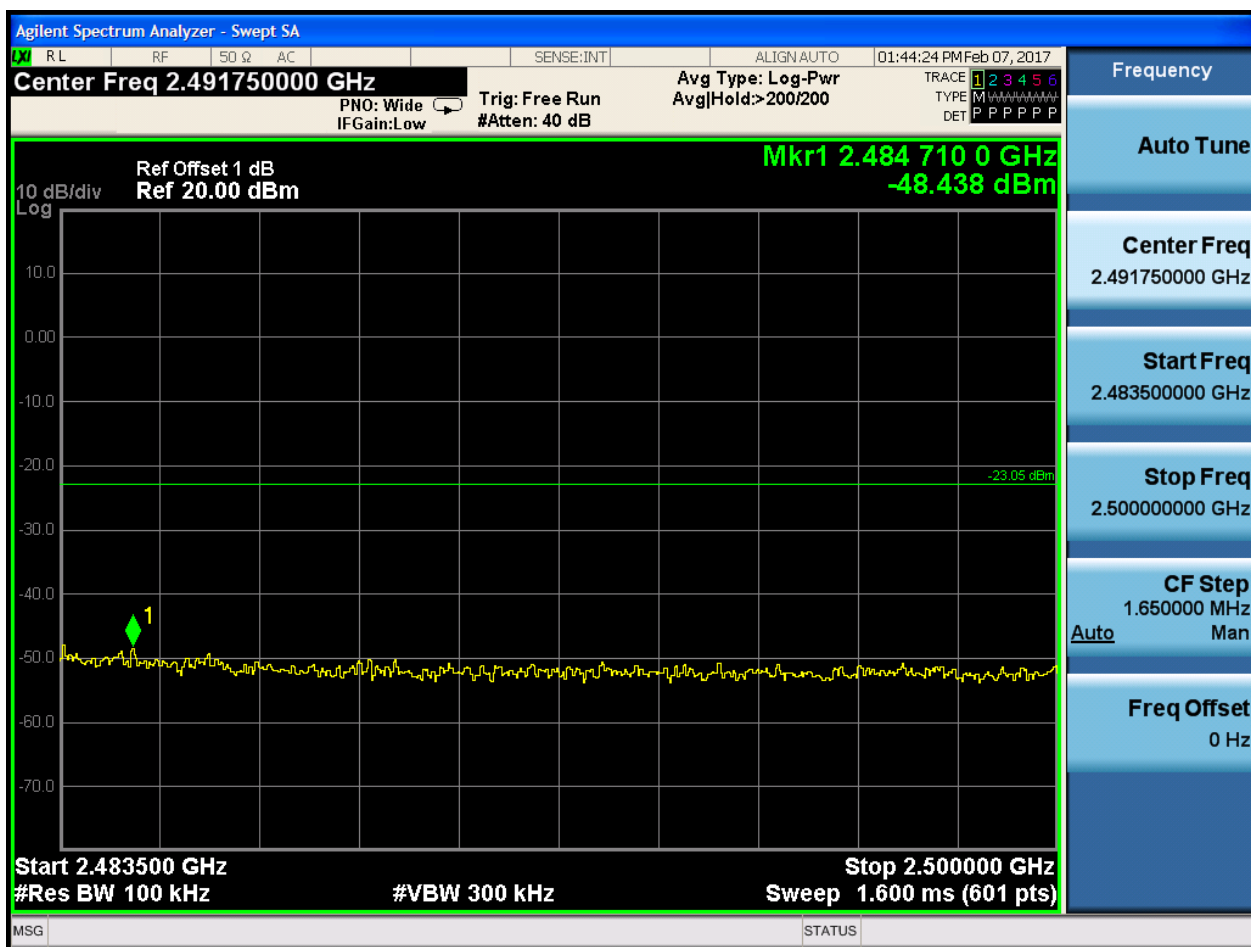
Puw:









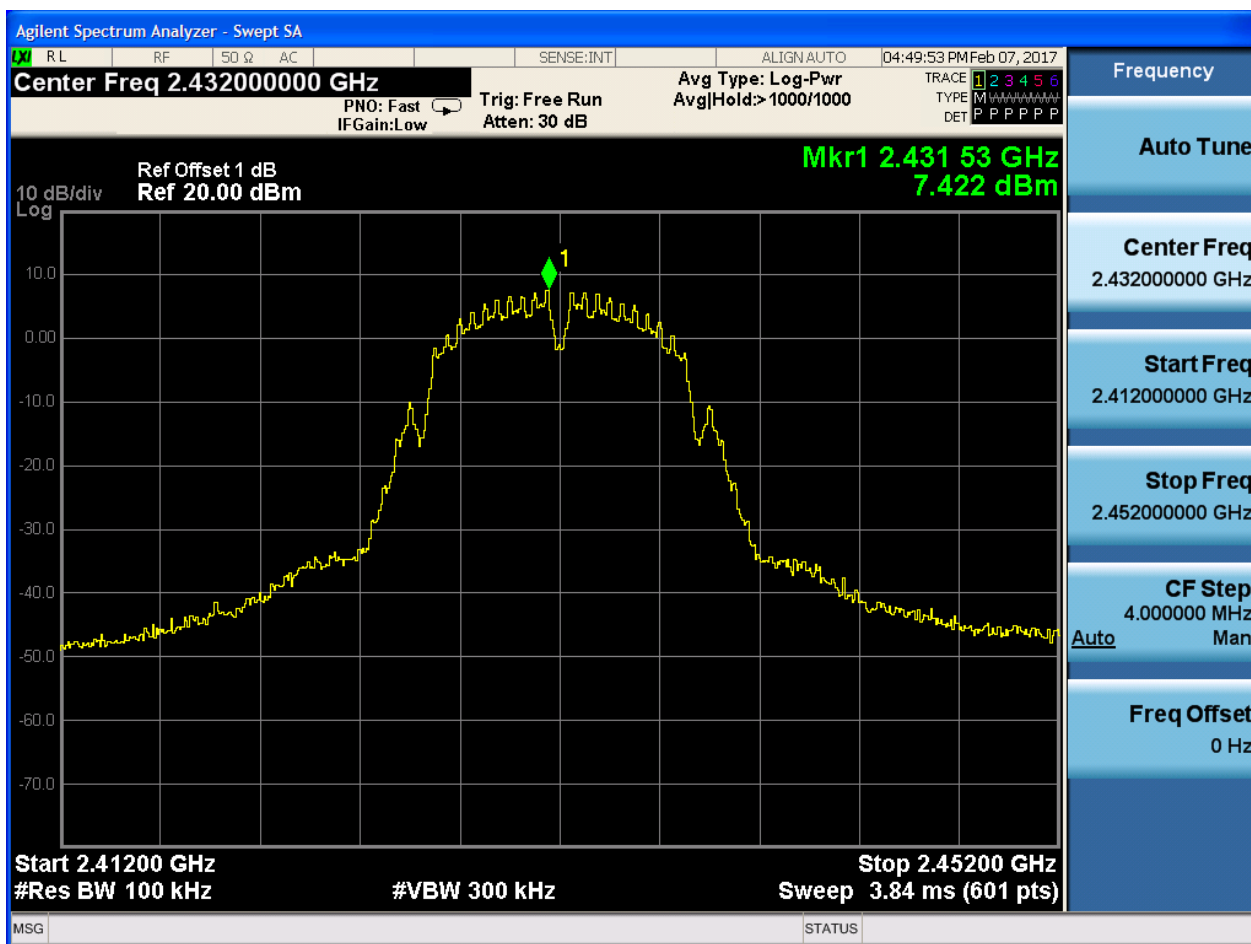






2.2 11B_L@Ant 2

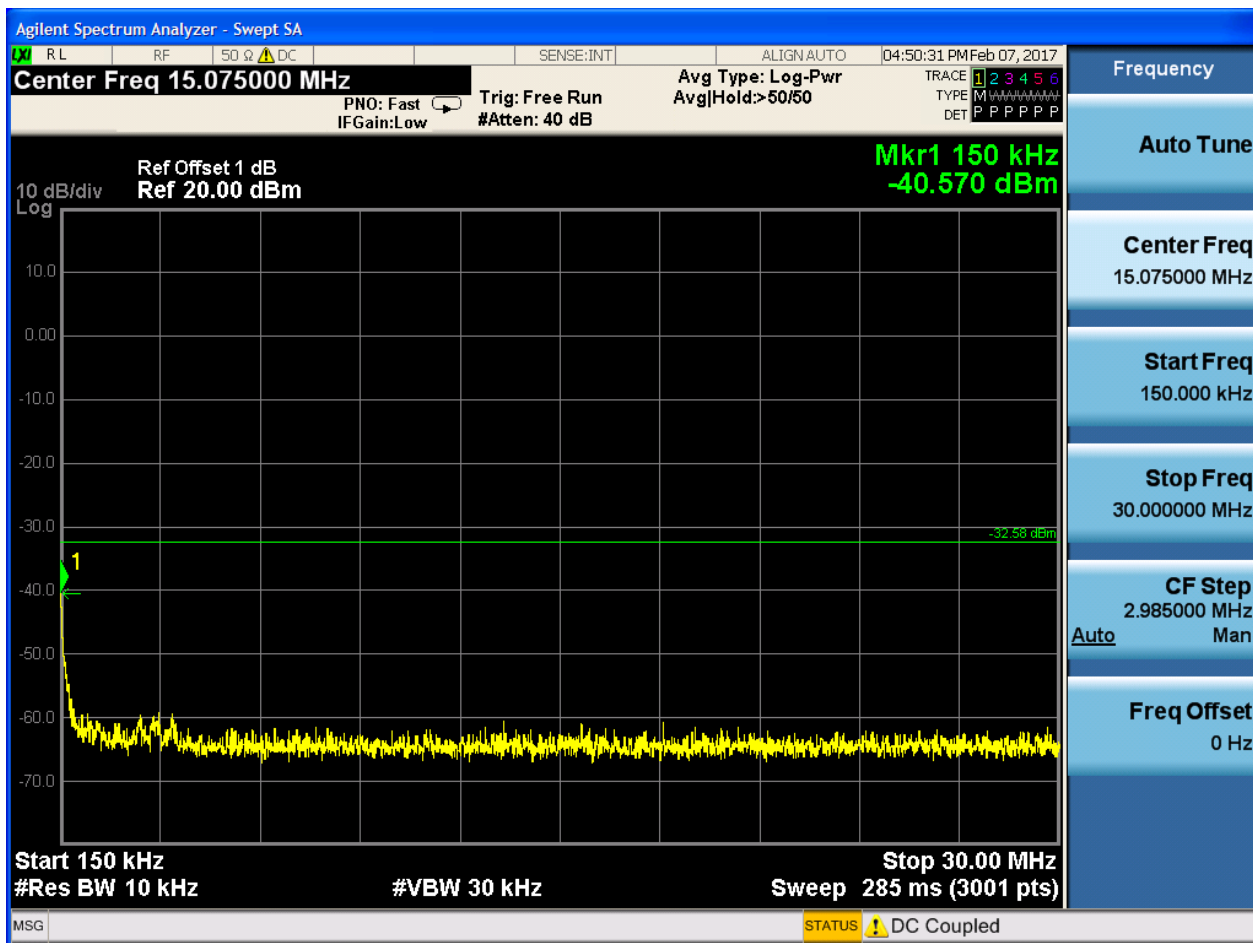
Pref:

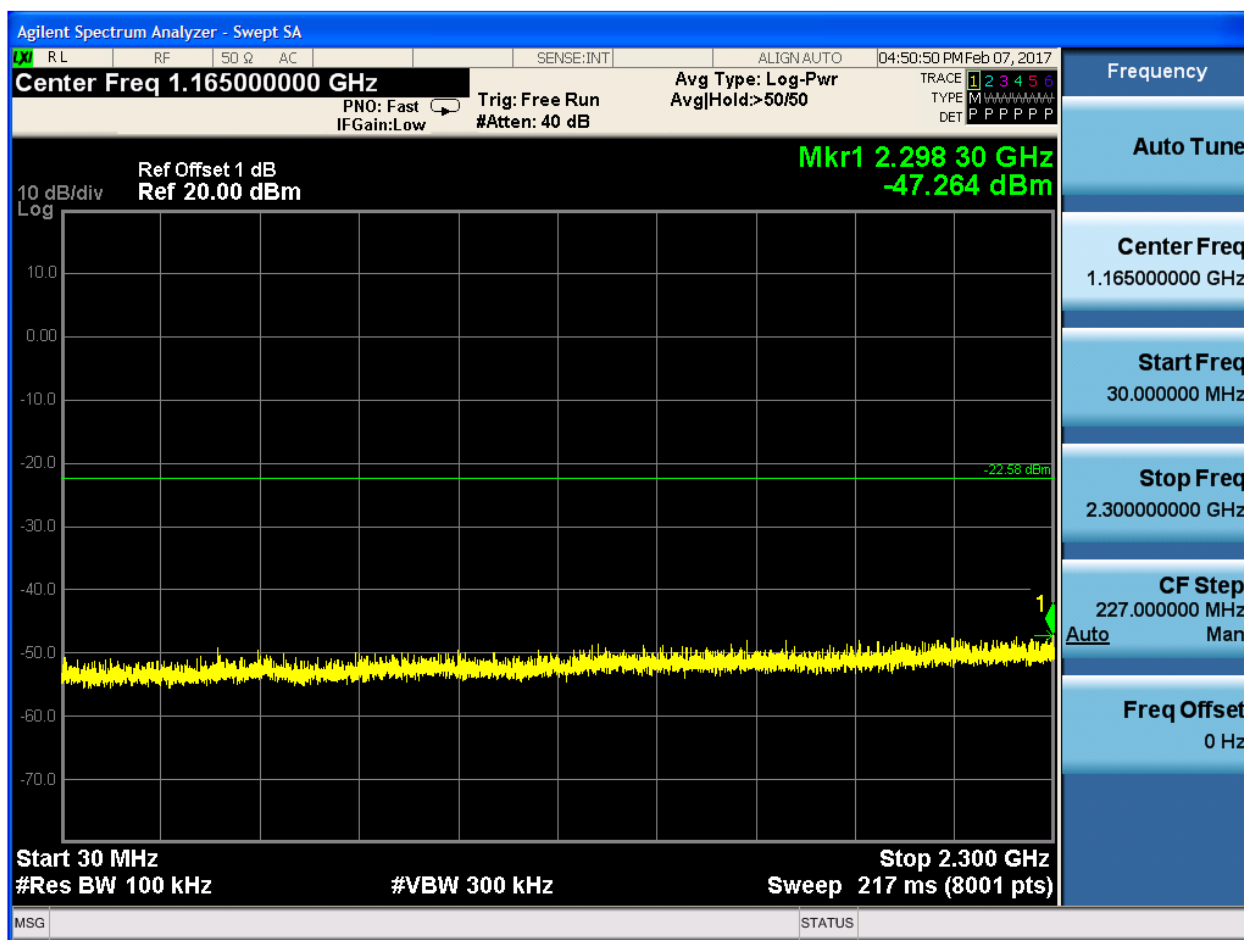


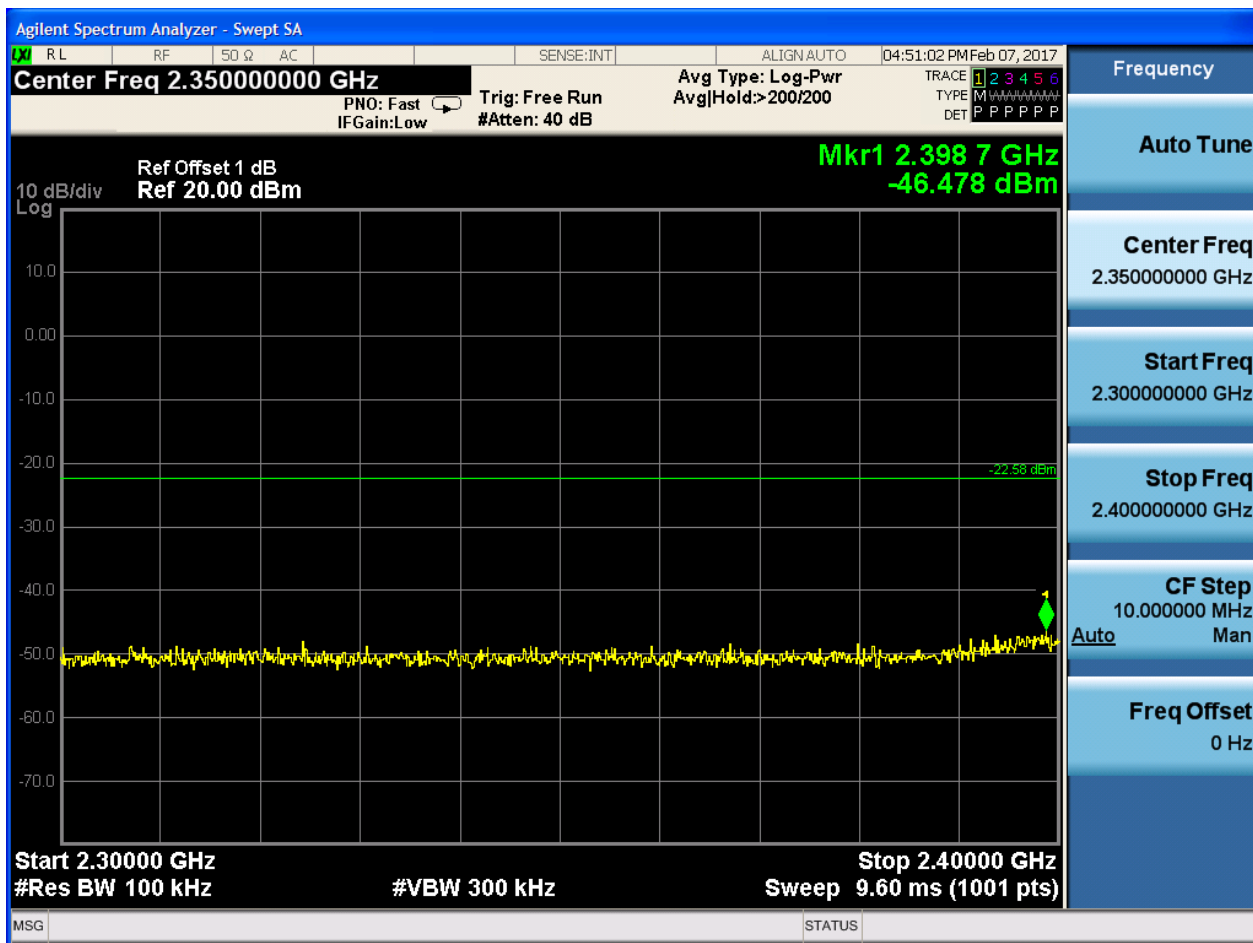


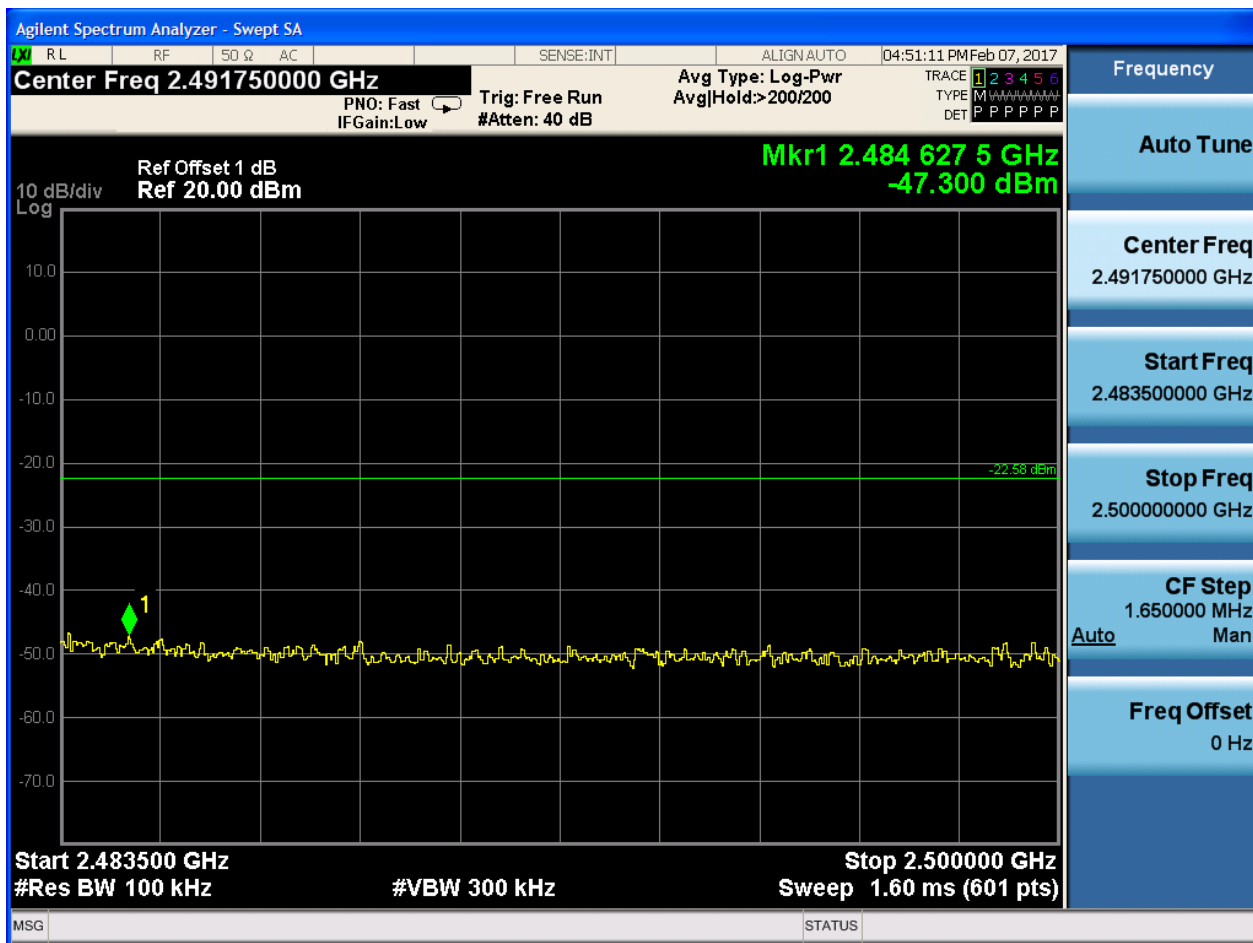
Puw:









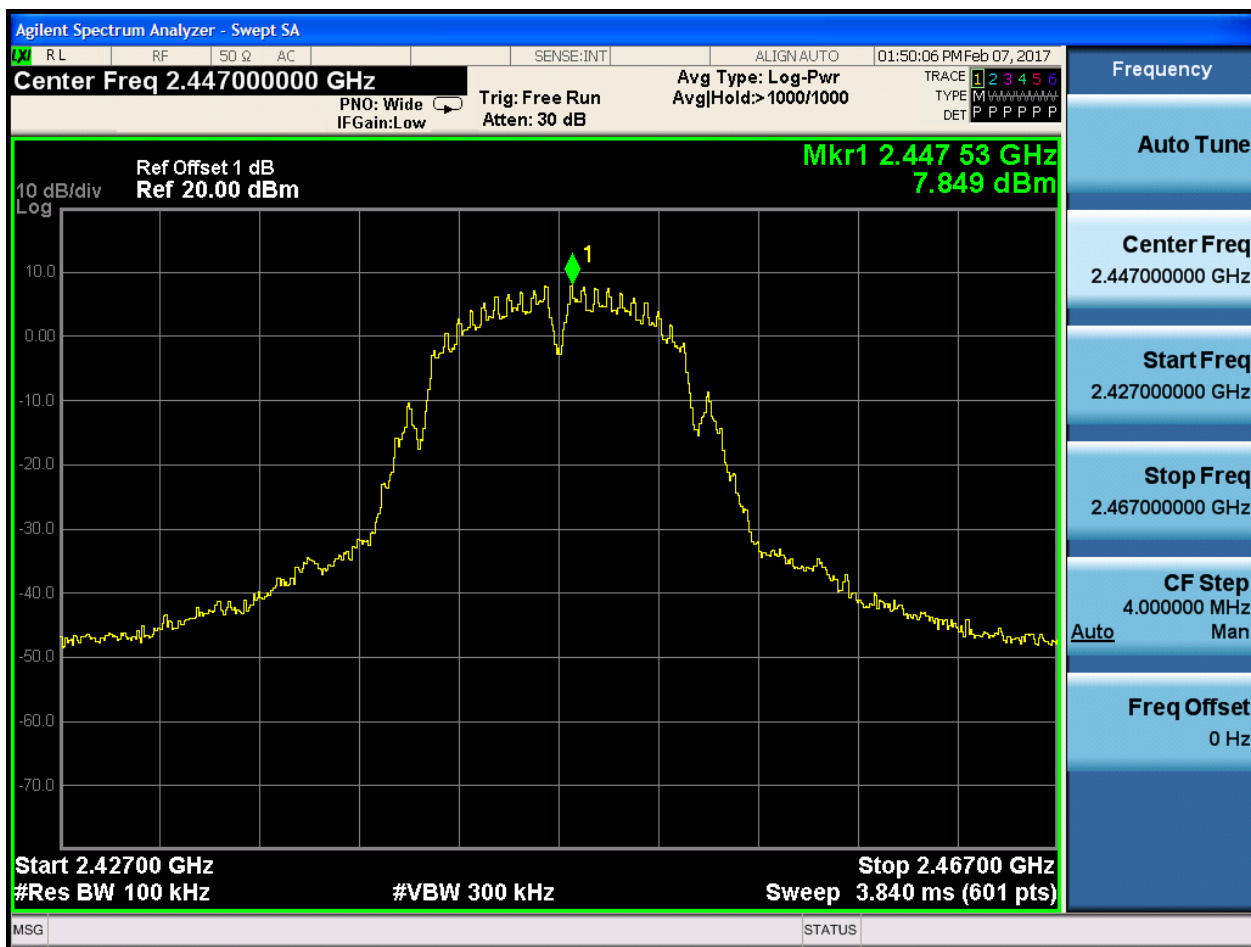






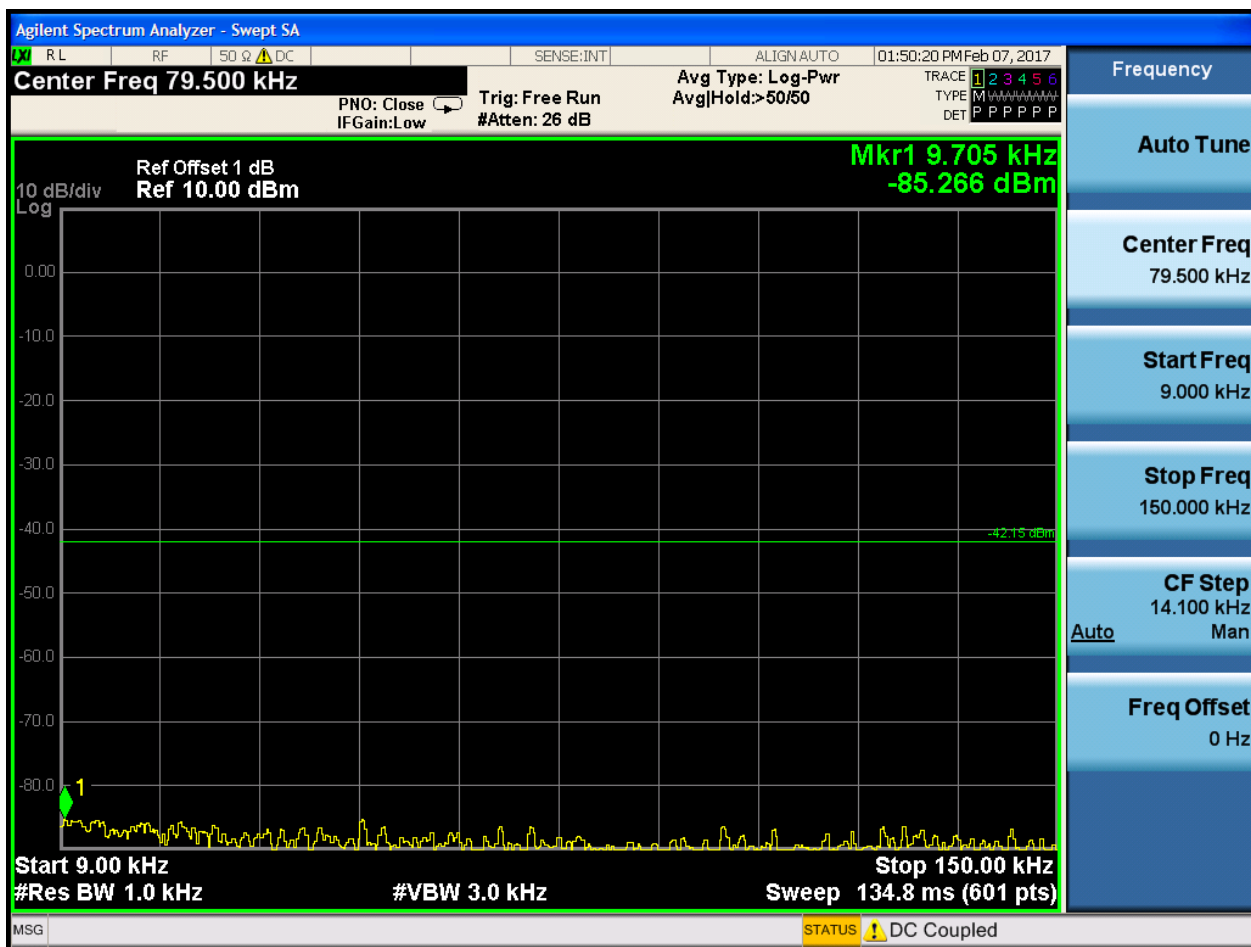
2.3 11B_M@Ant 1

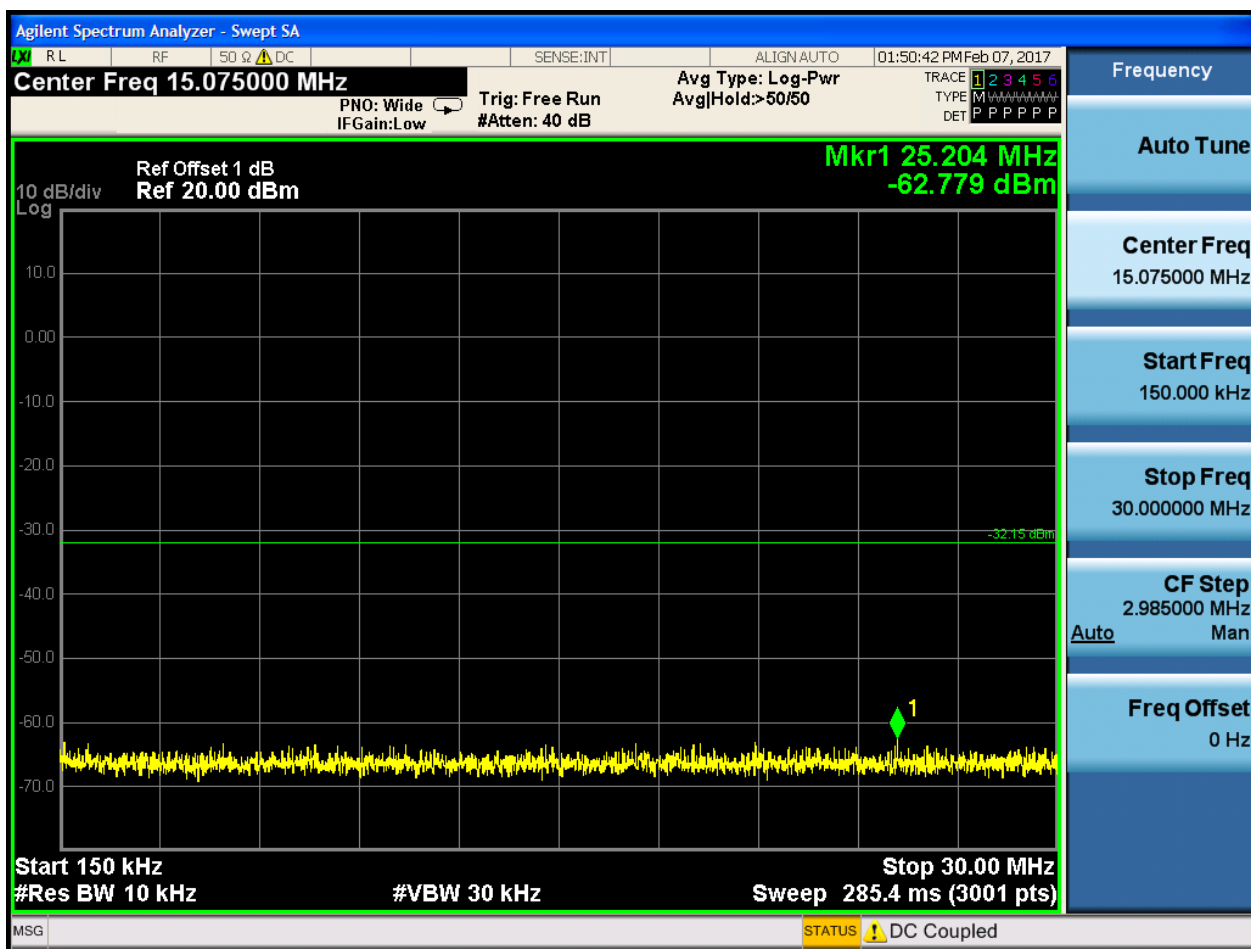
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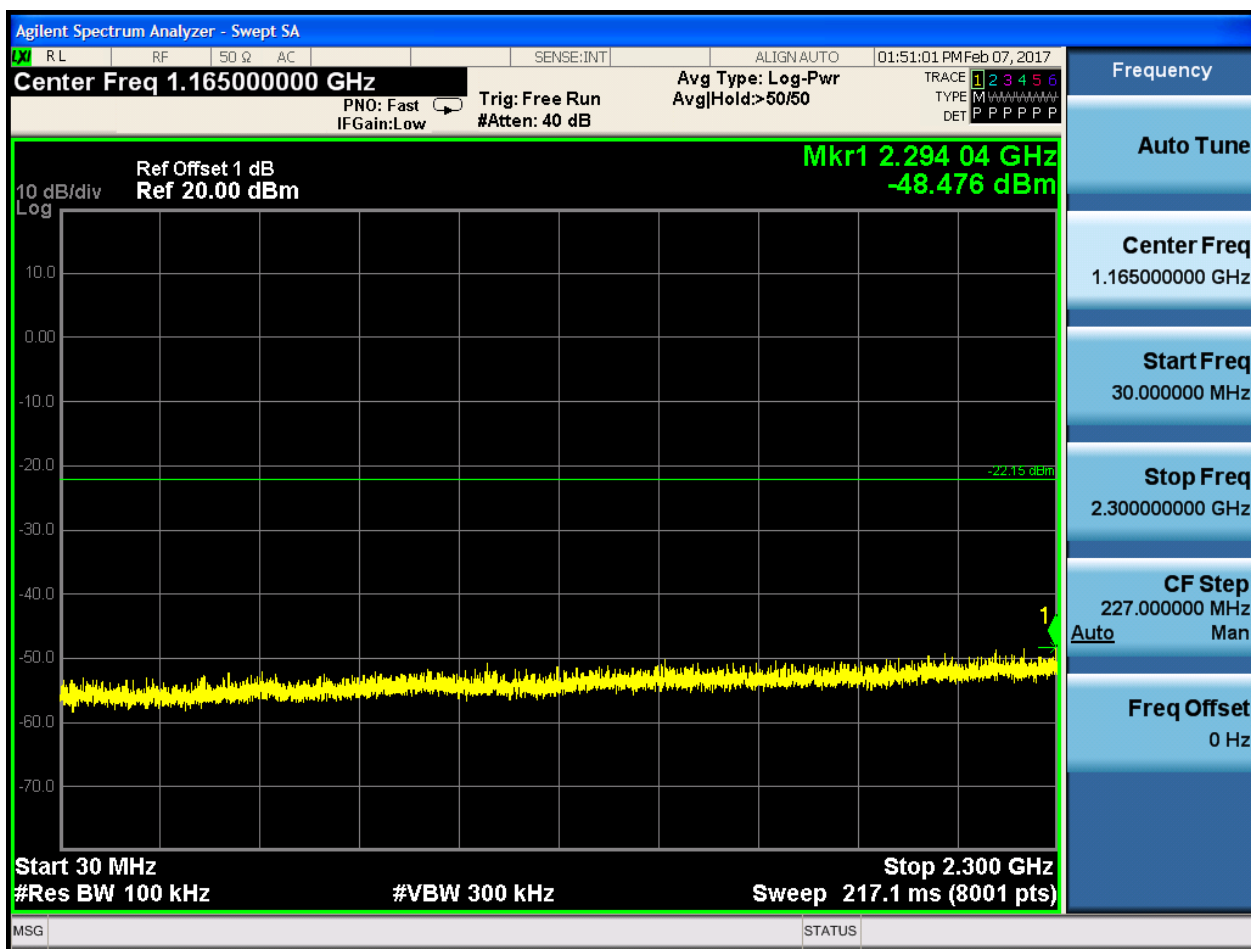


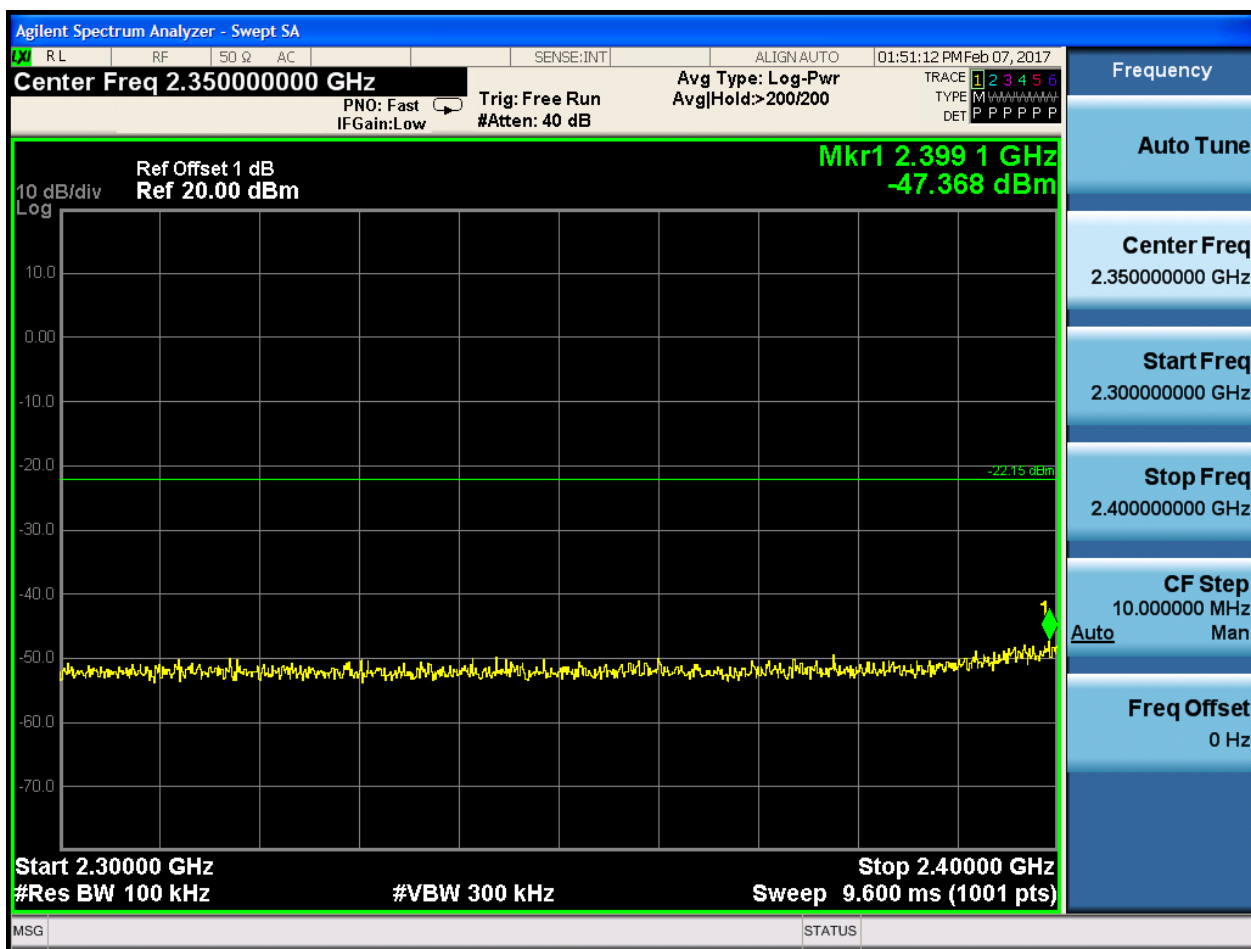


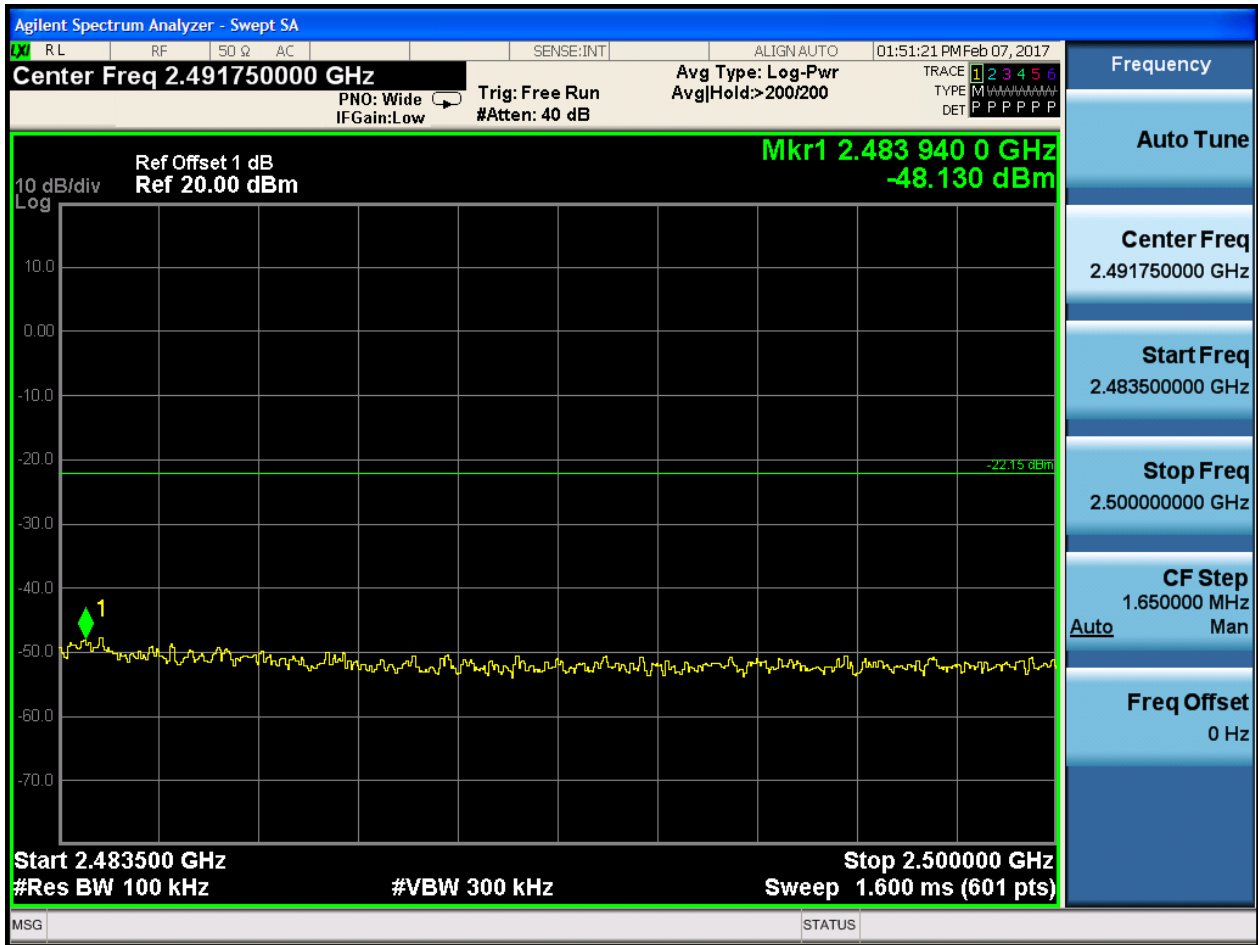
Puw:









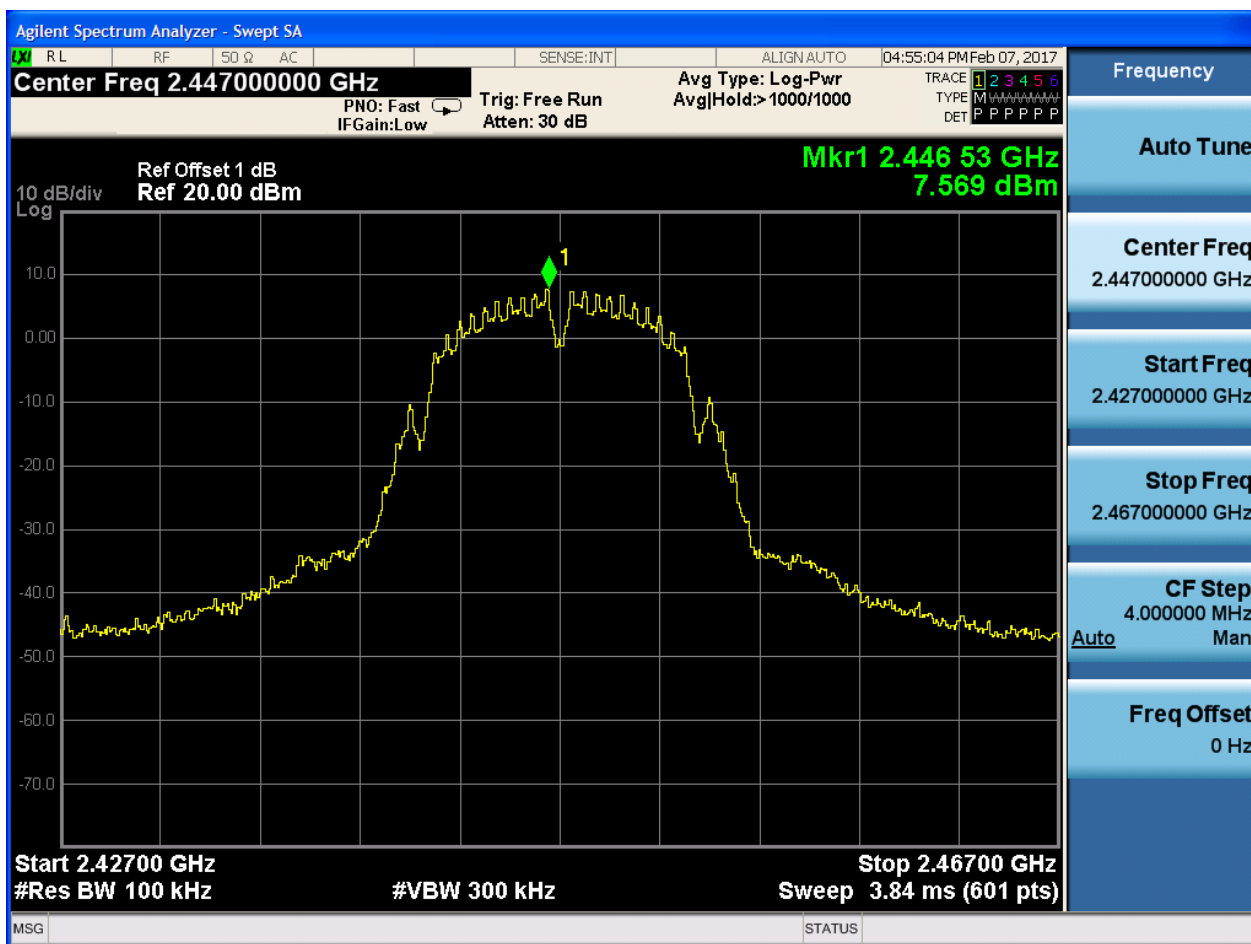






2.4 11B_M@Ant 2

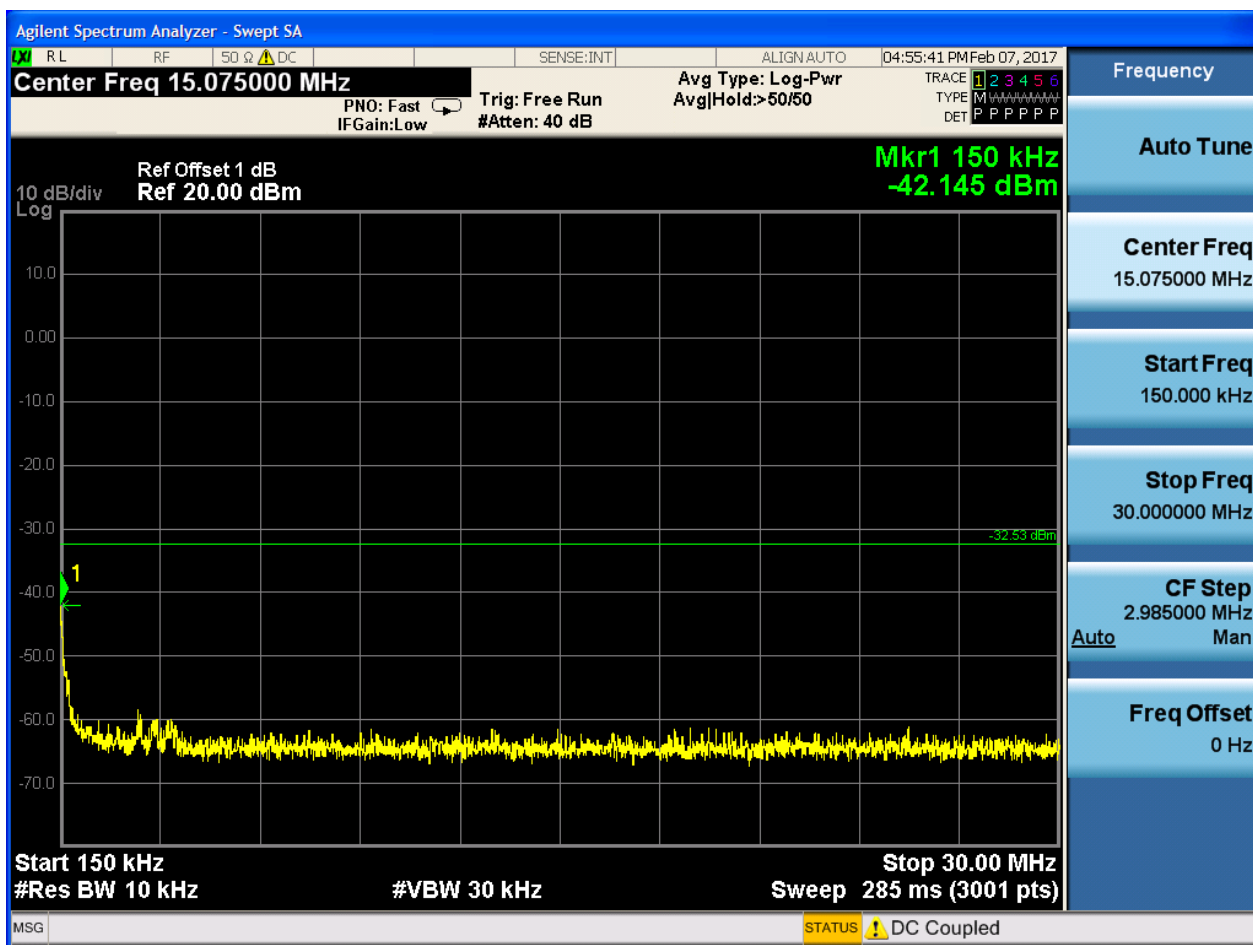
Pref:

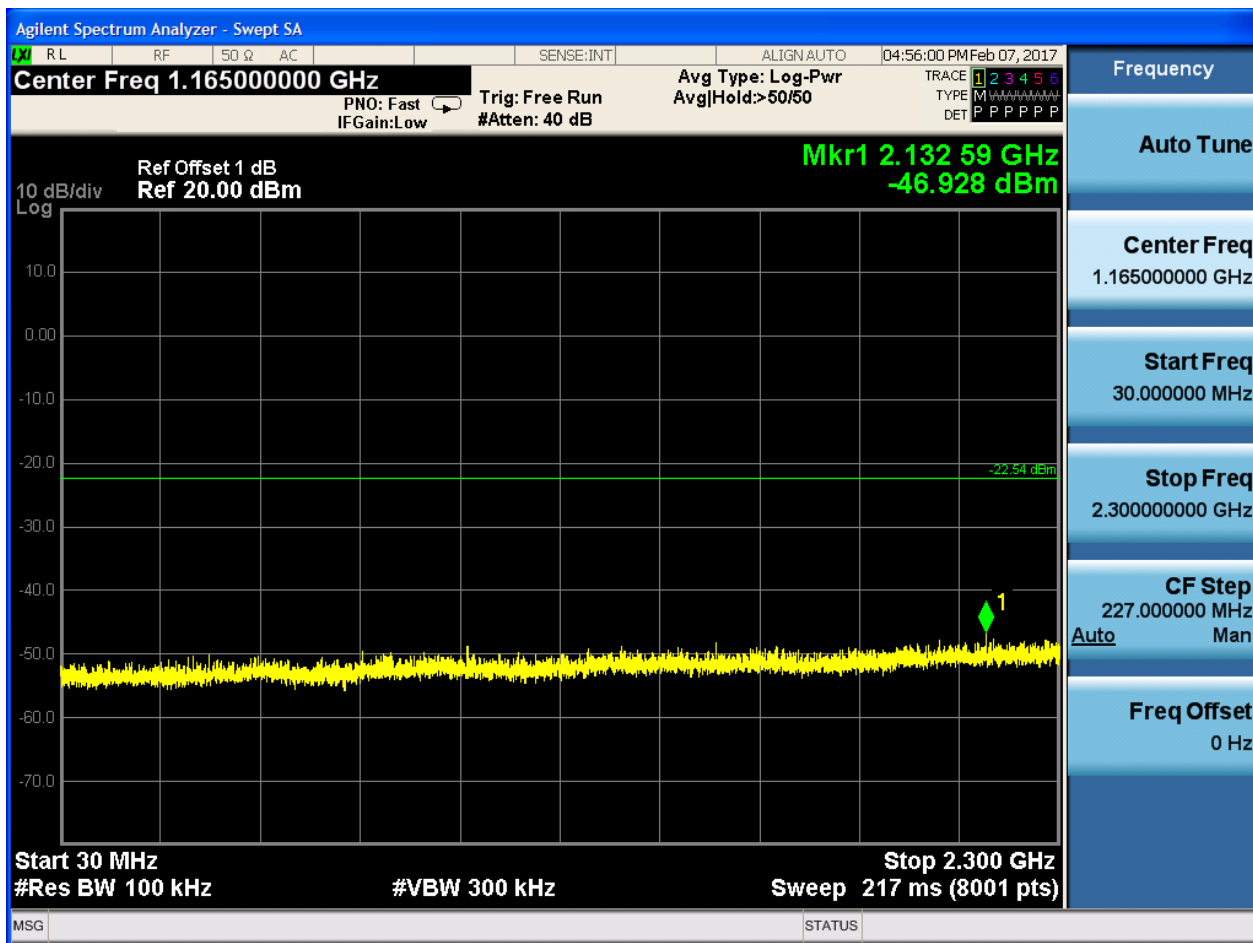


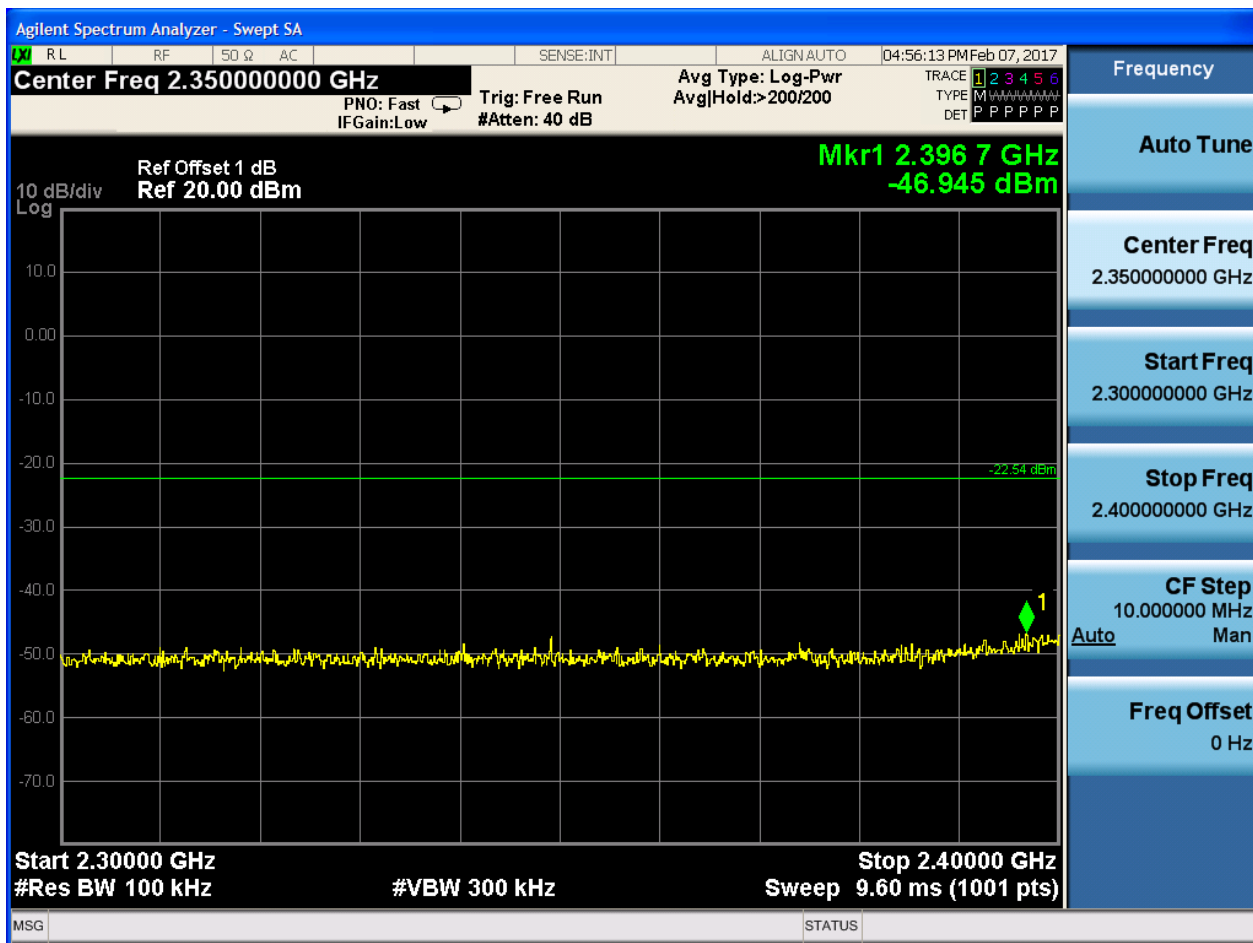


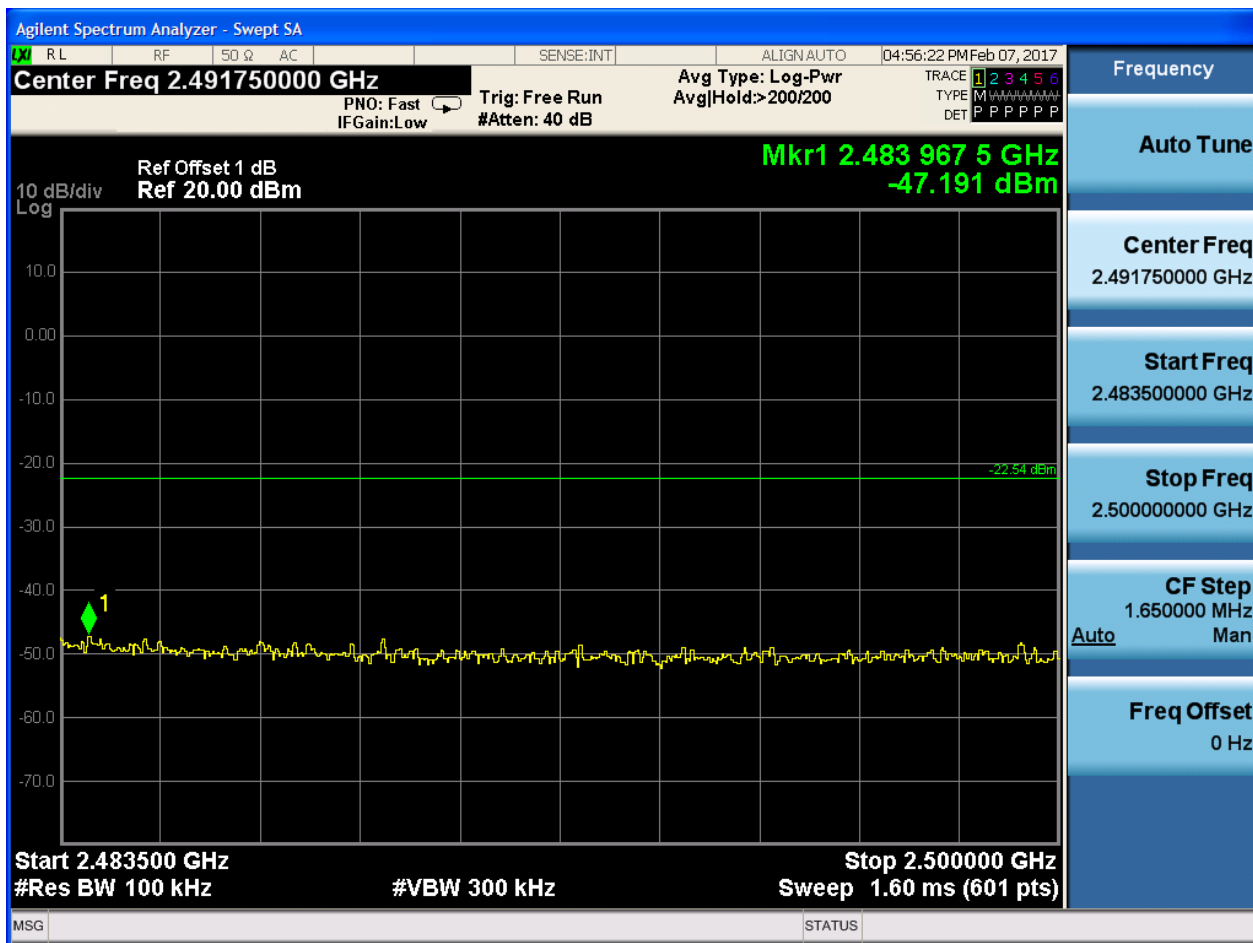
Puw:







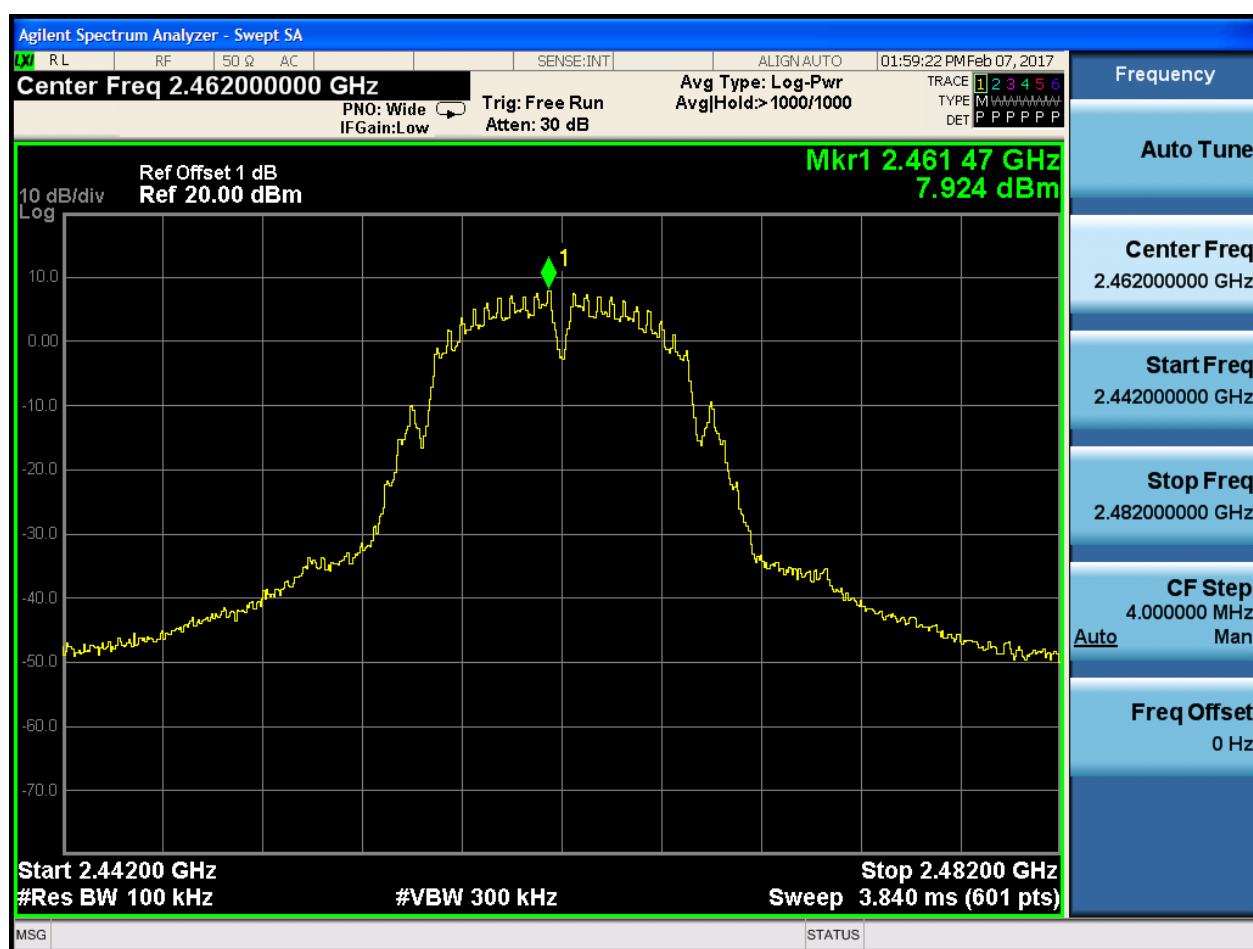






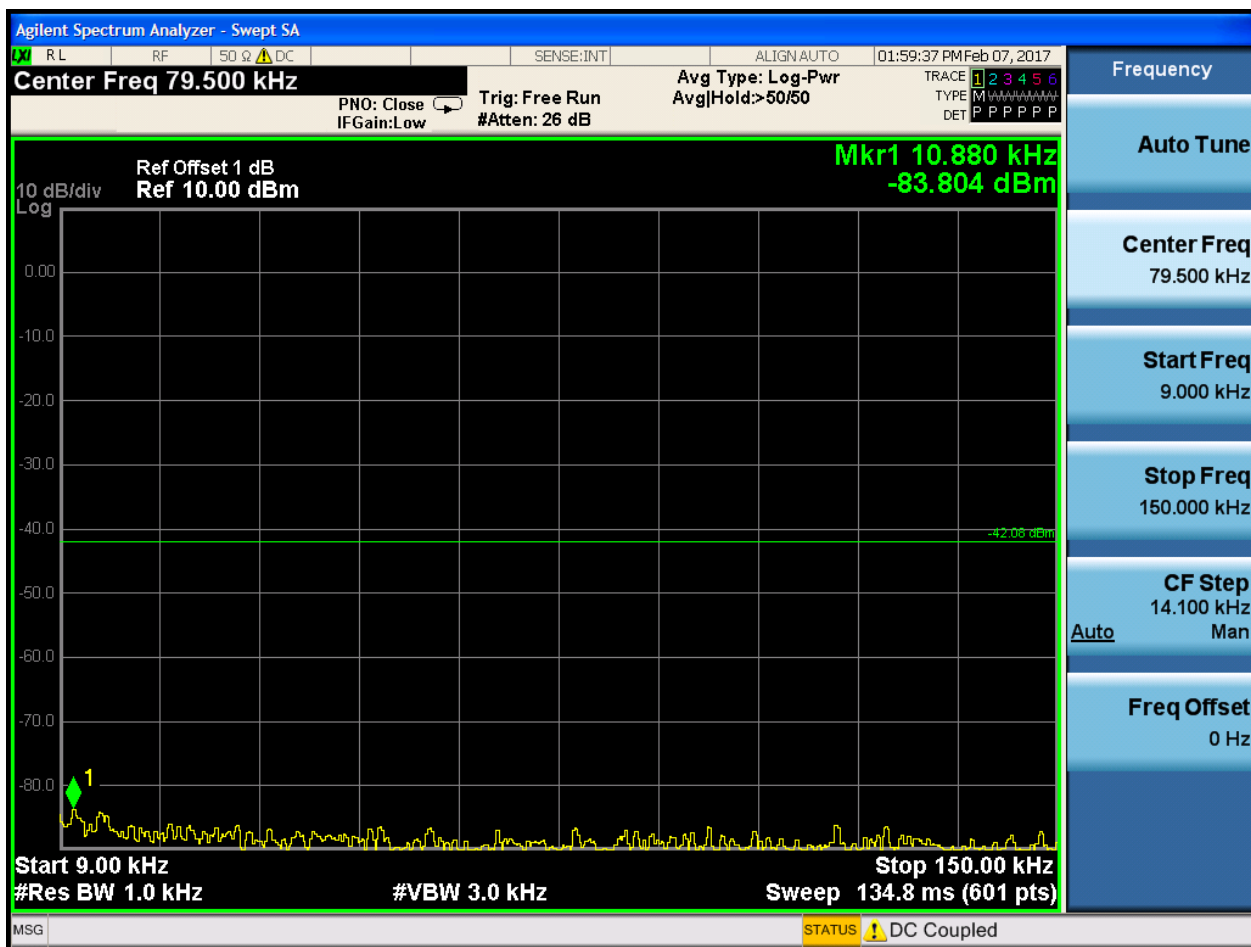
2.5 11B_H@Ant 1

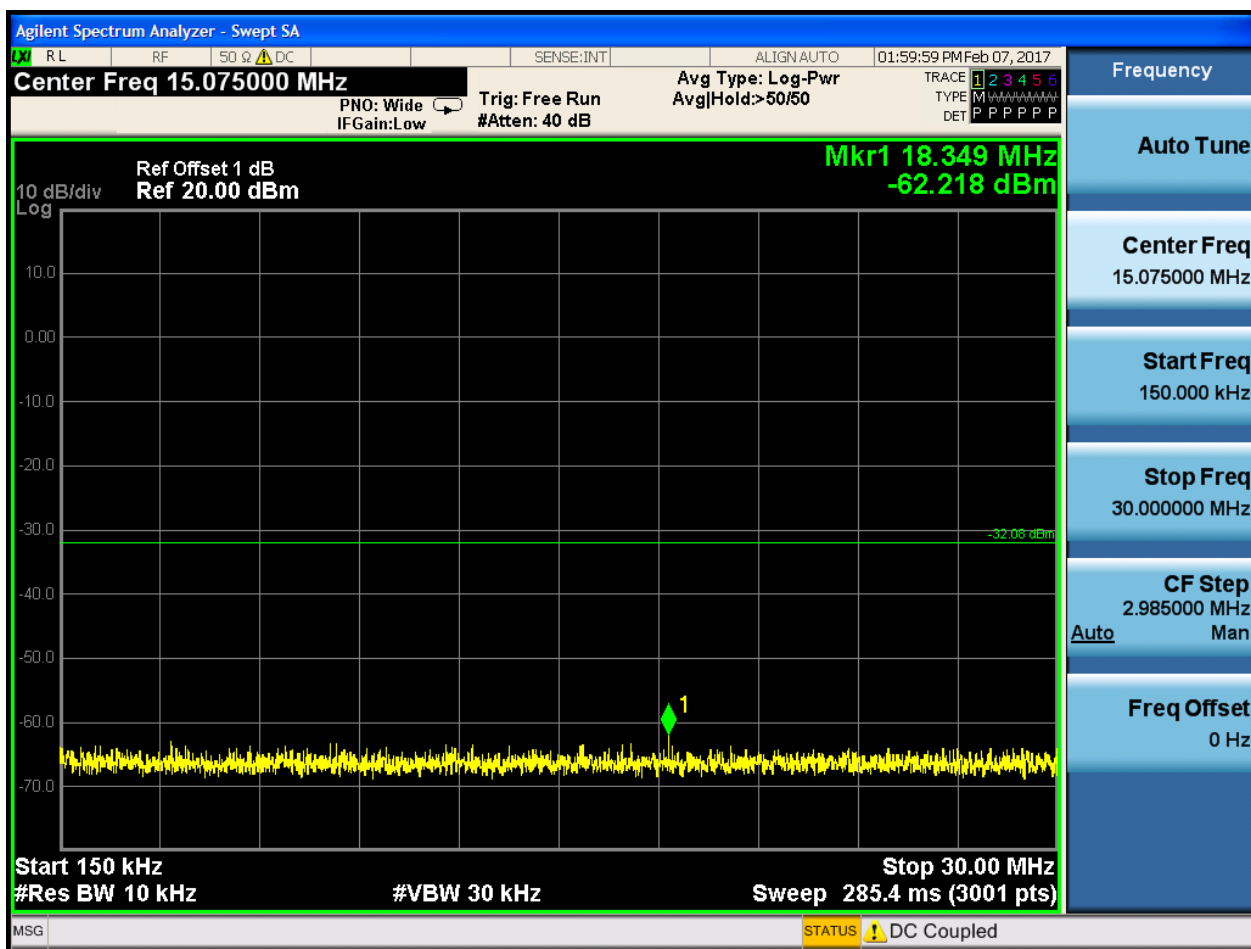
Pref:

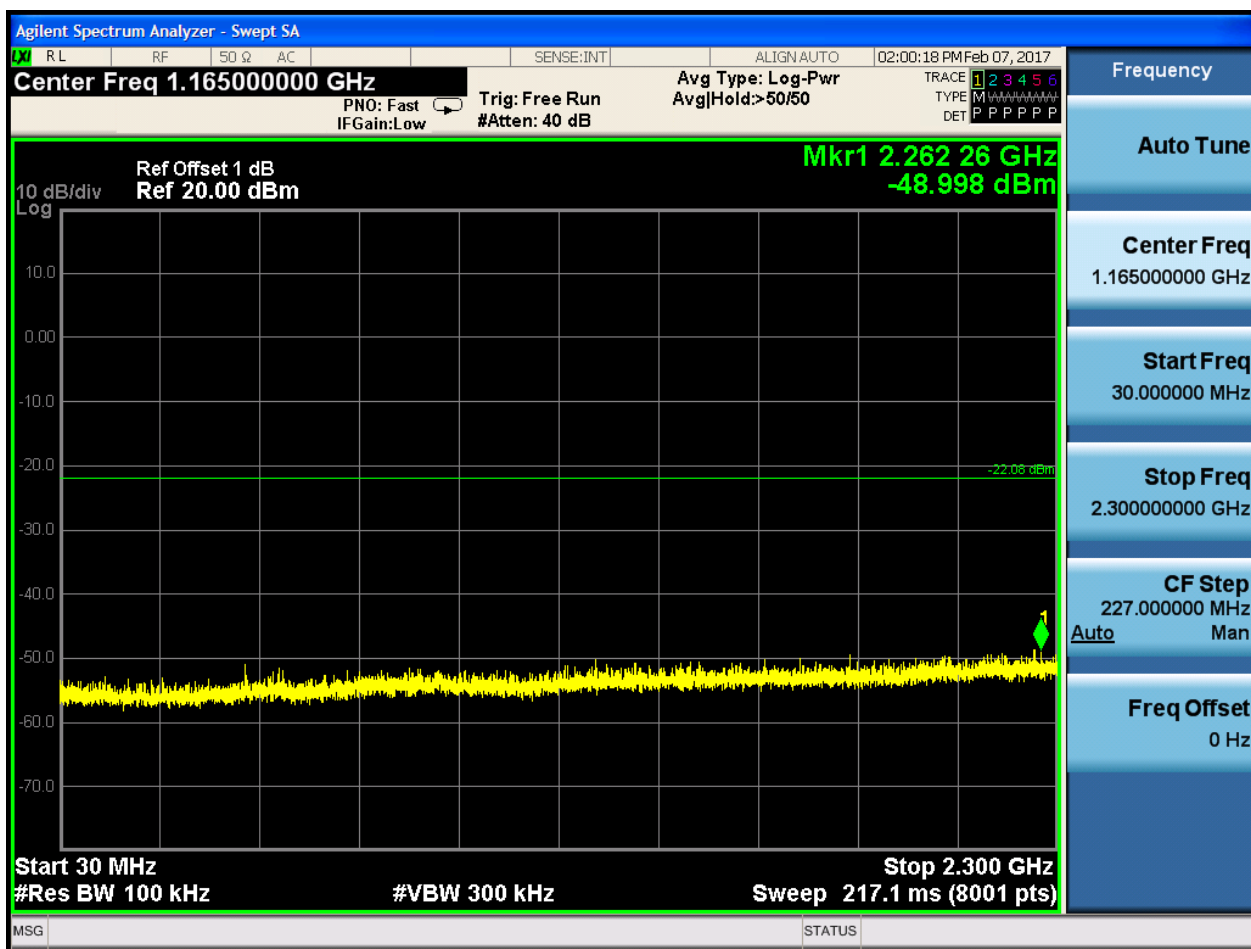


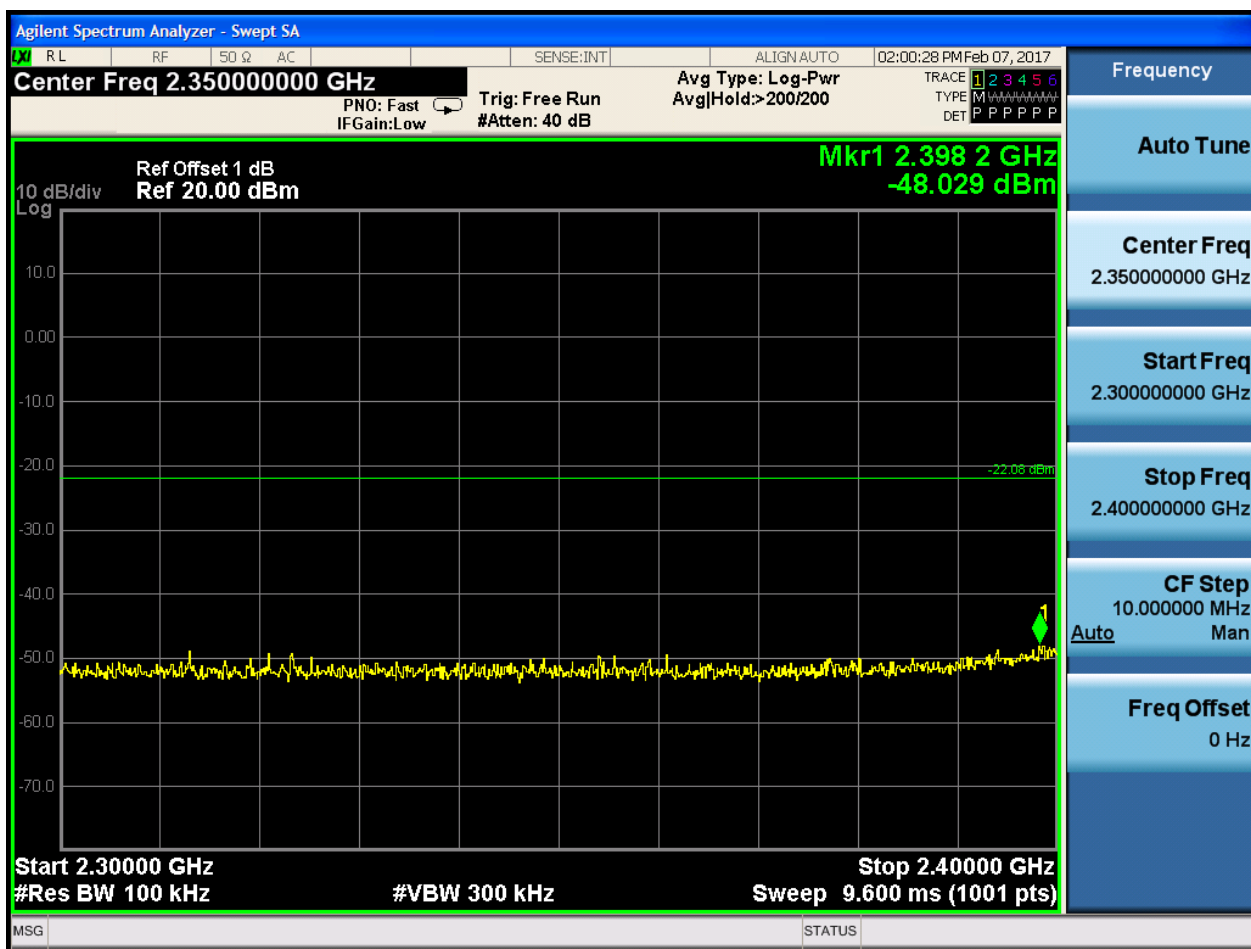


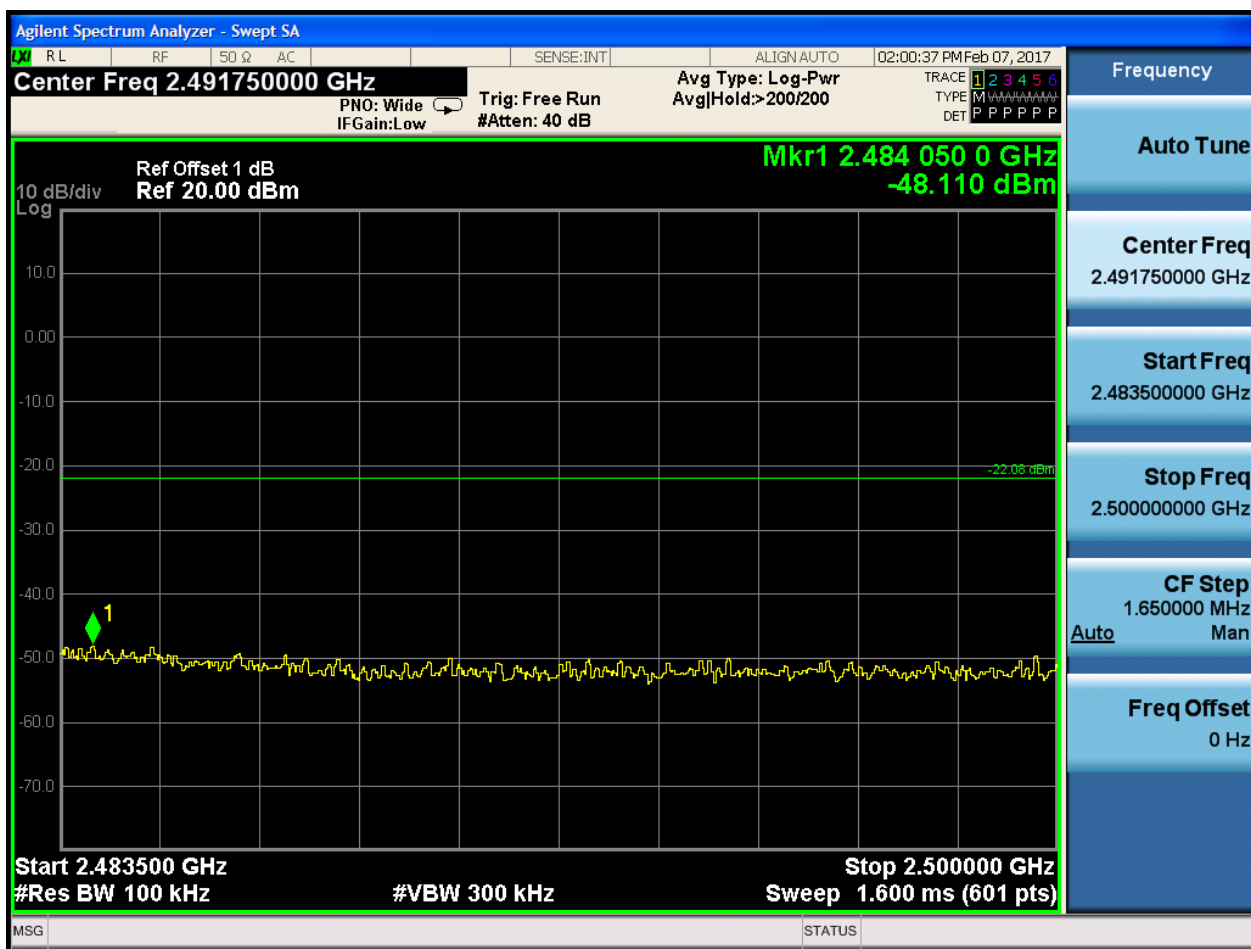
Puw:









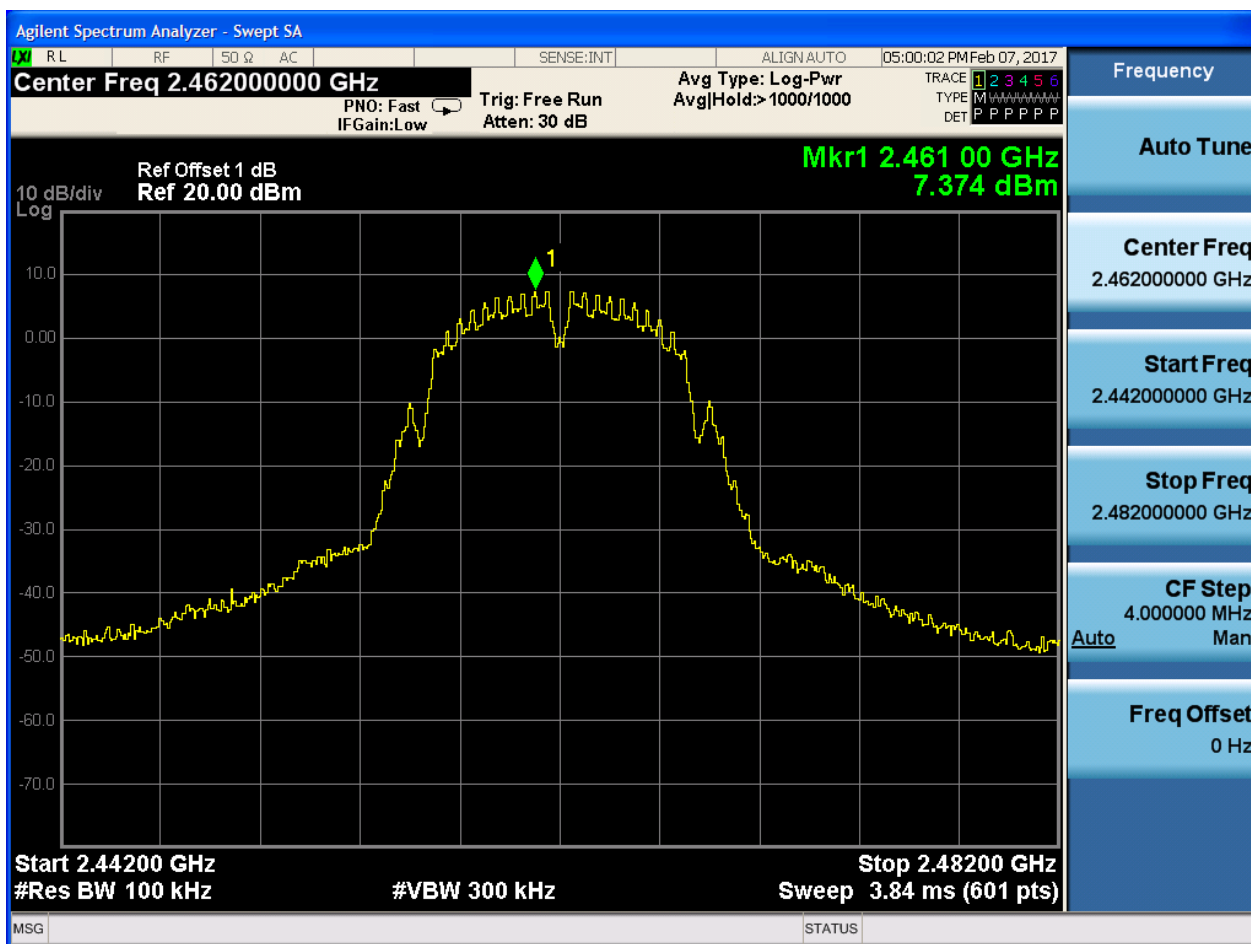






2.6 11B_H@Ant 2

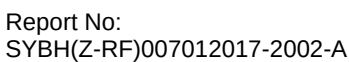
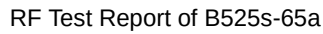
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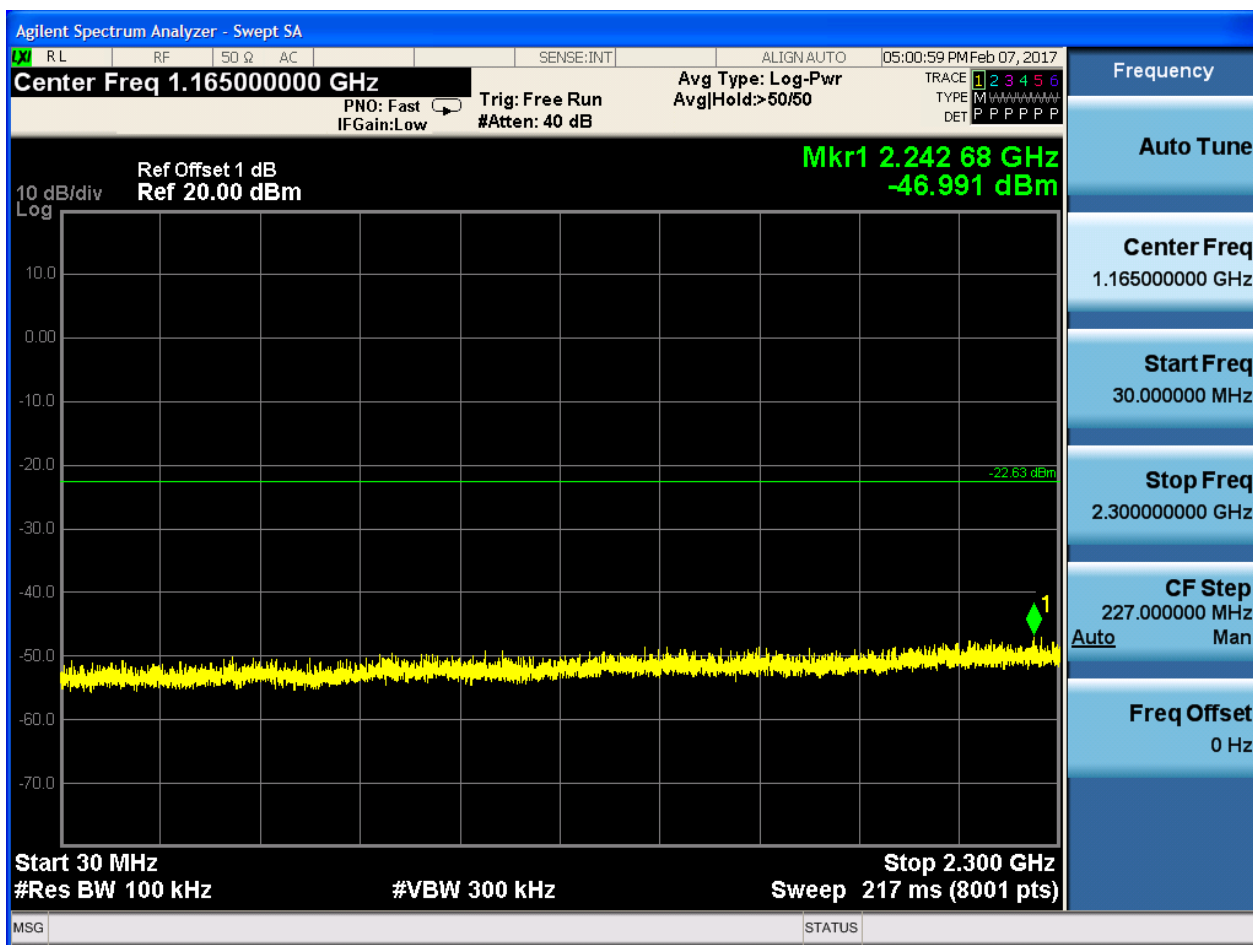


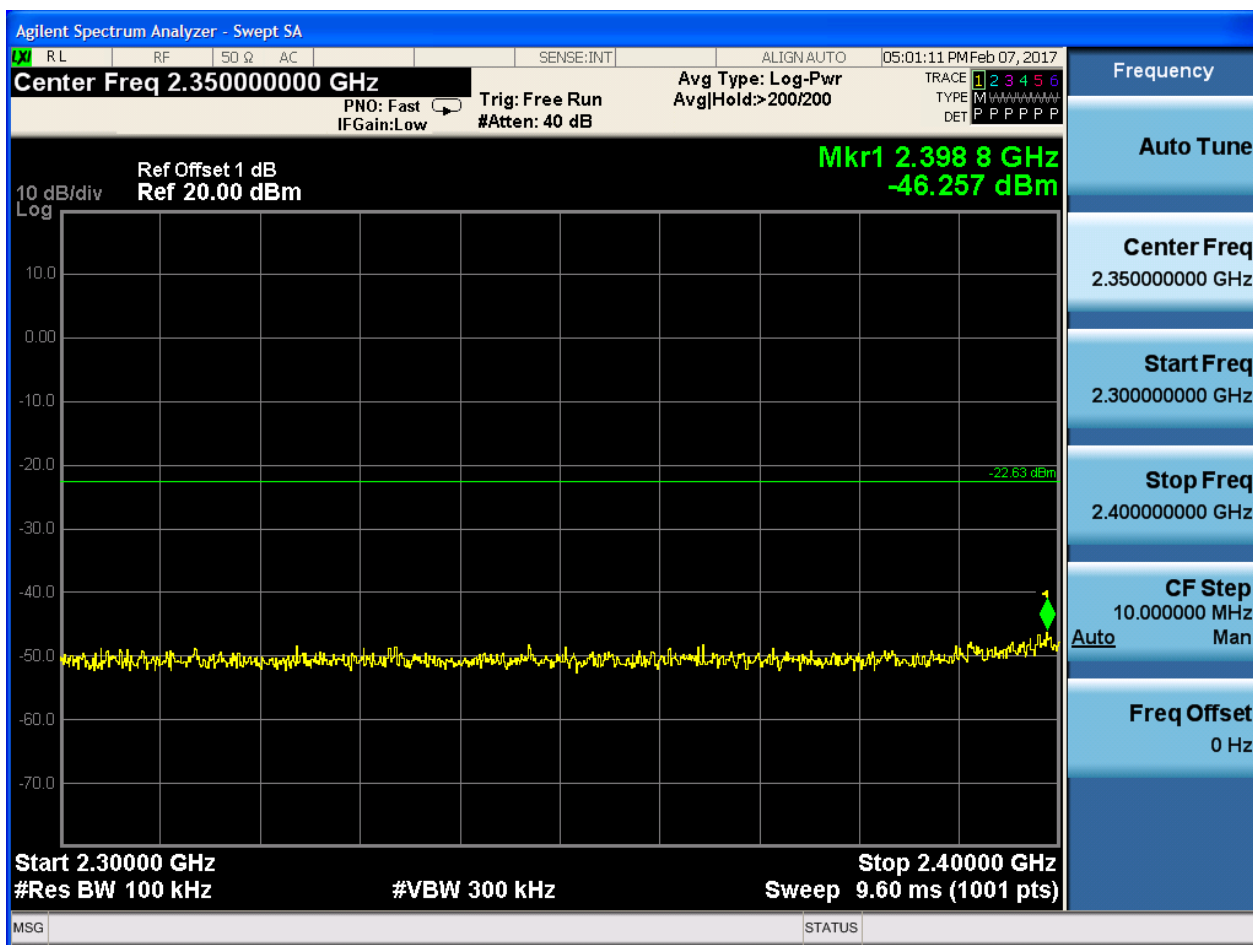


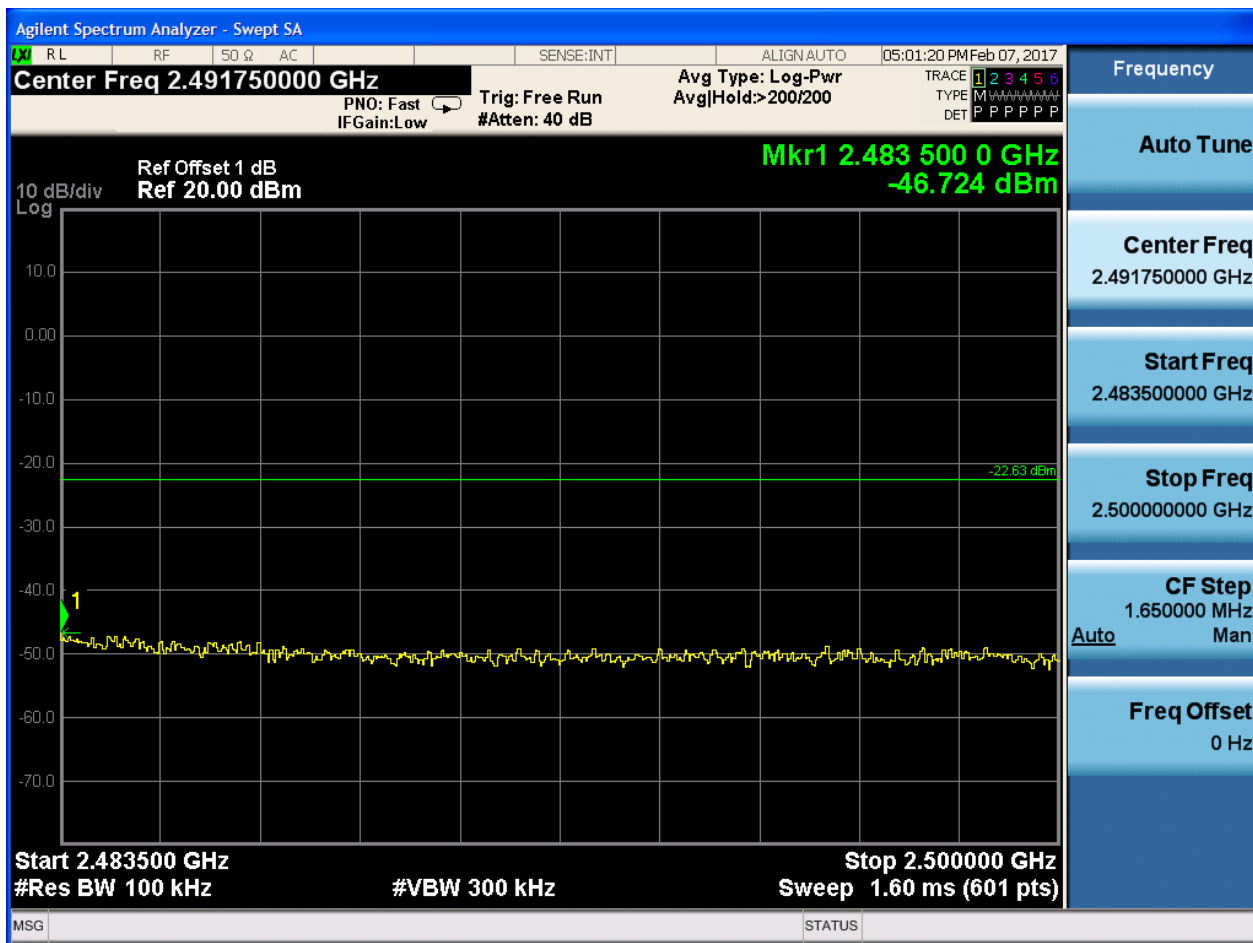
Puw:















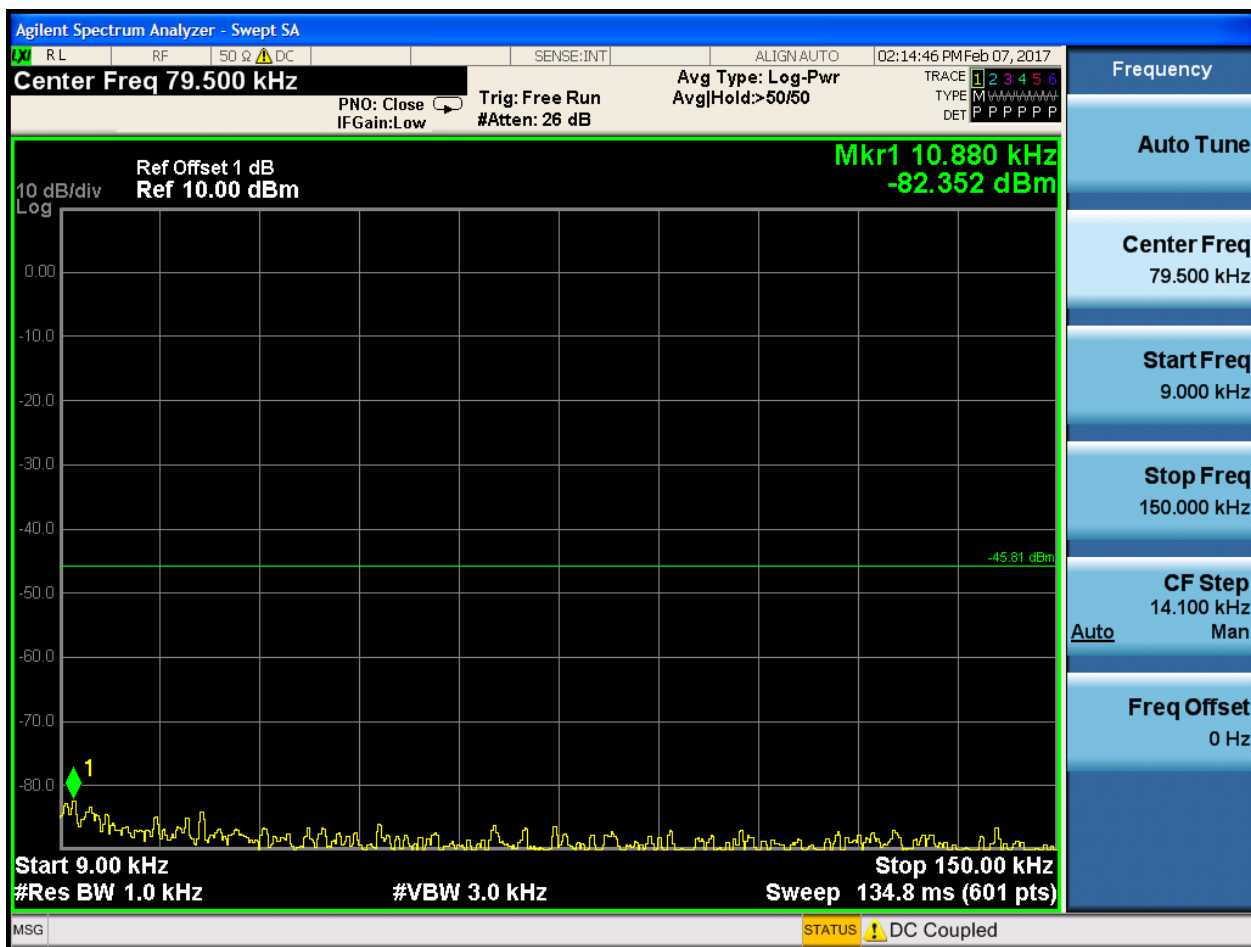
2.7 11G_L@Ant 1

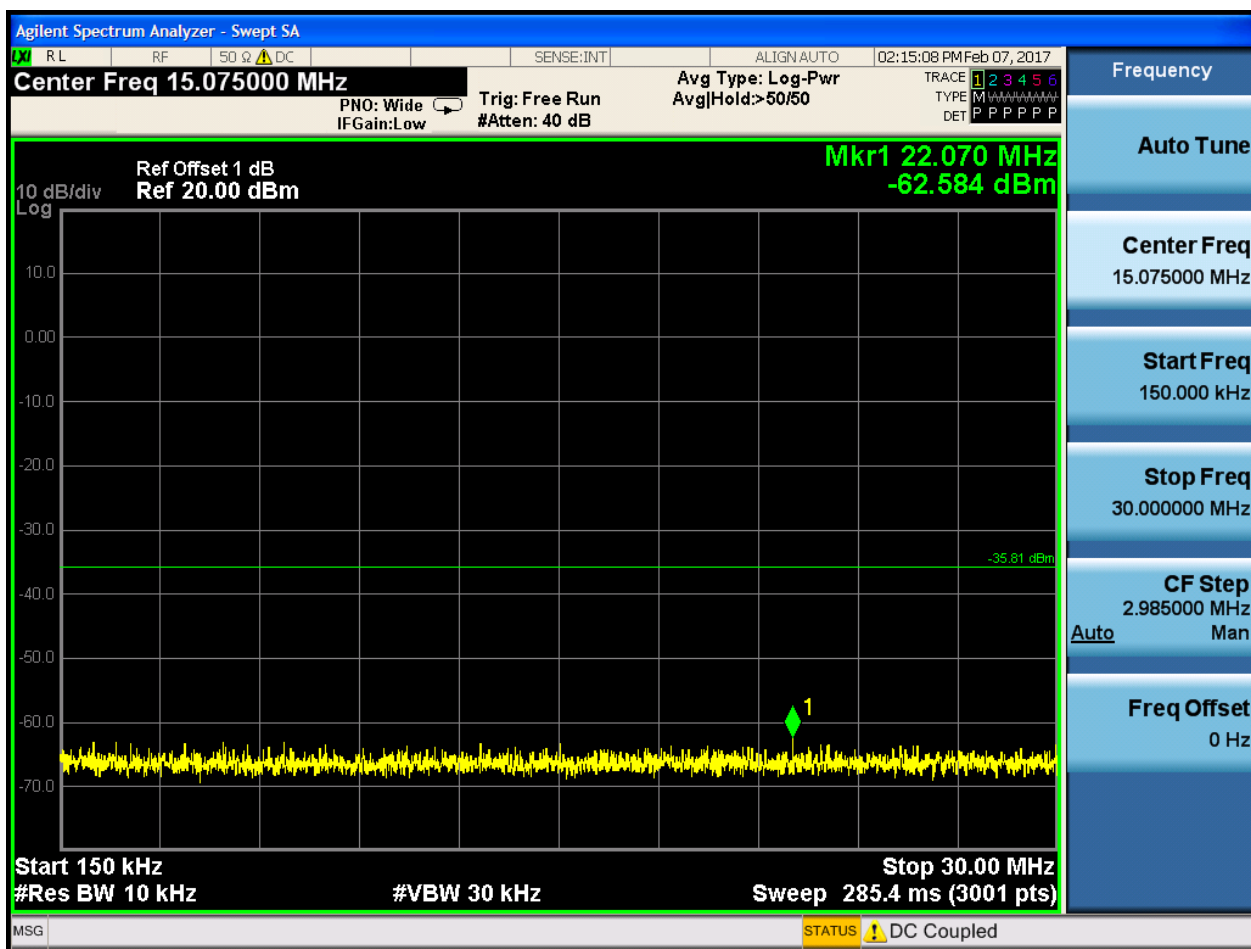
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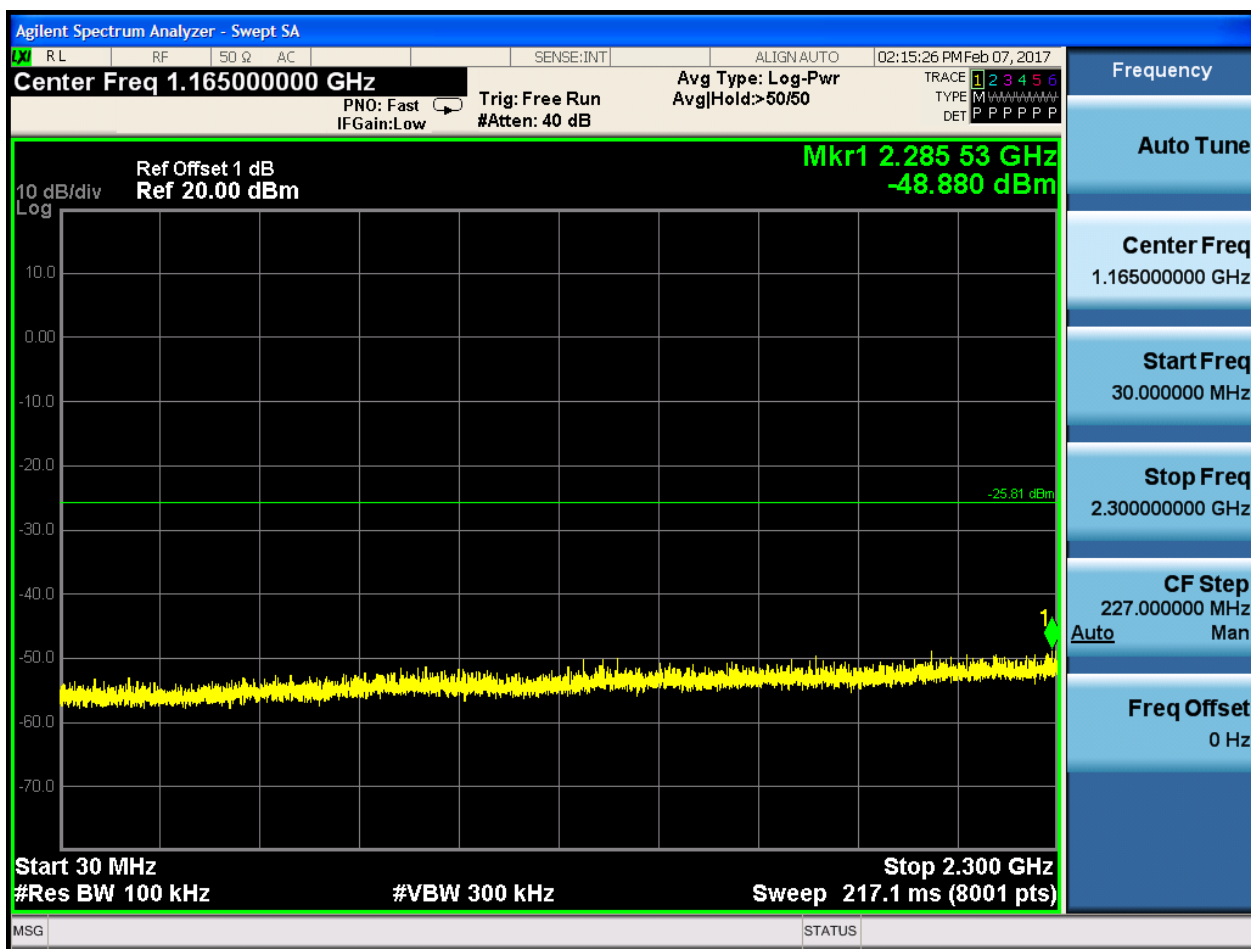


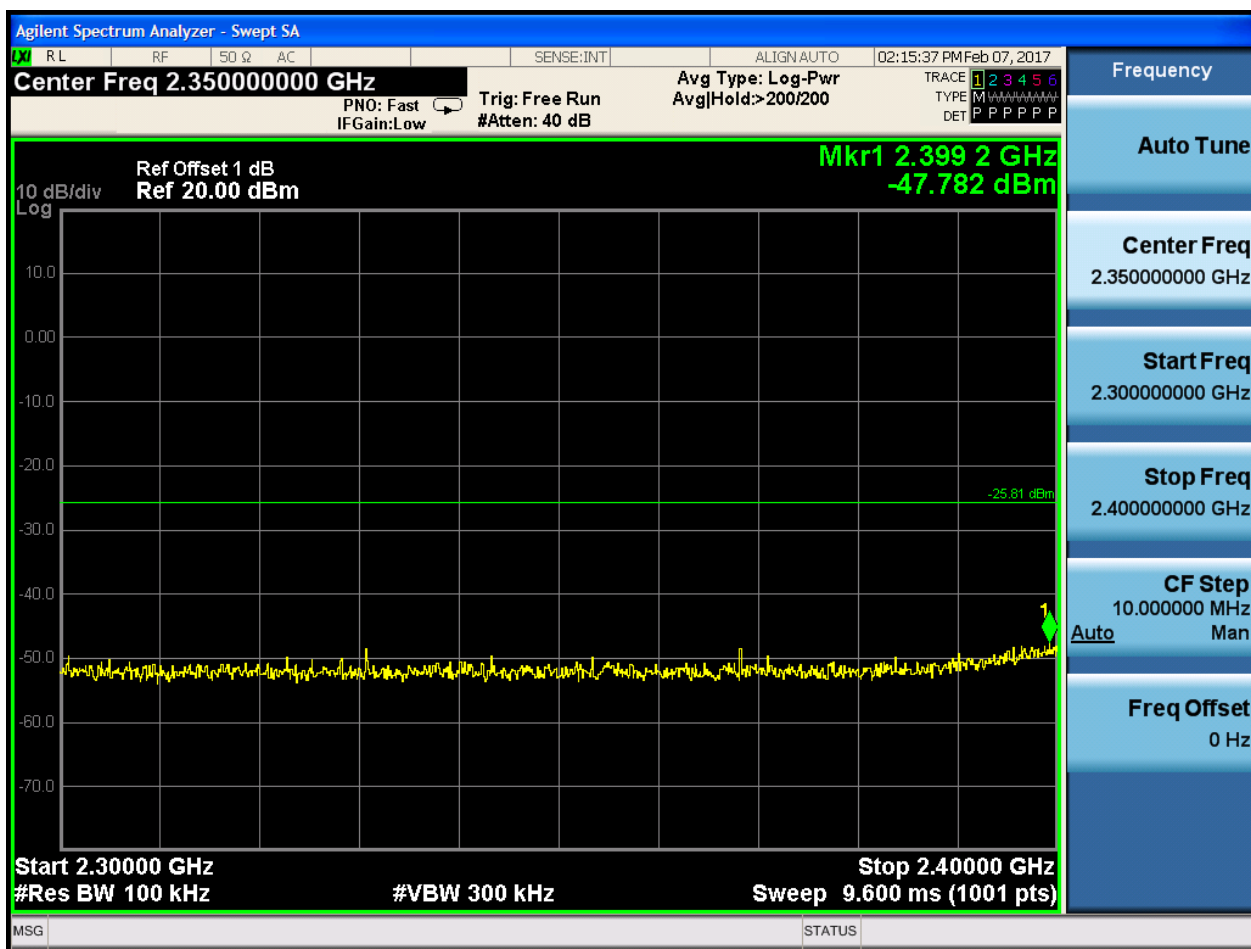


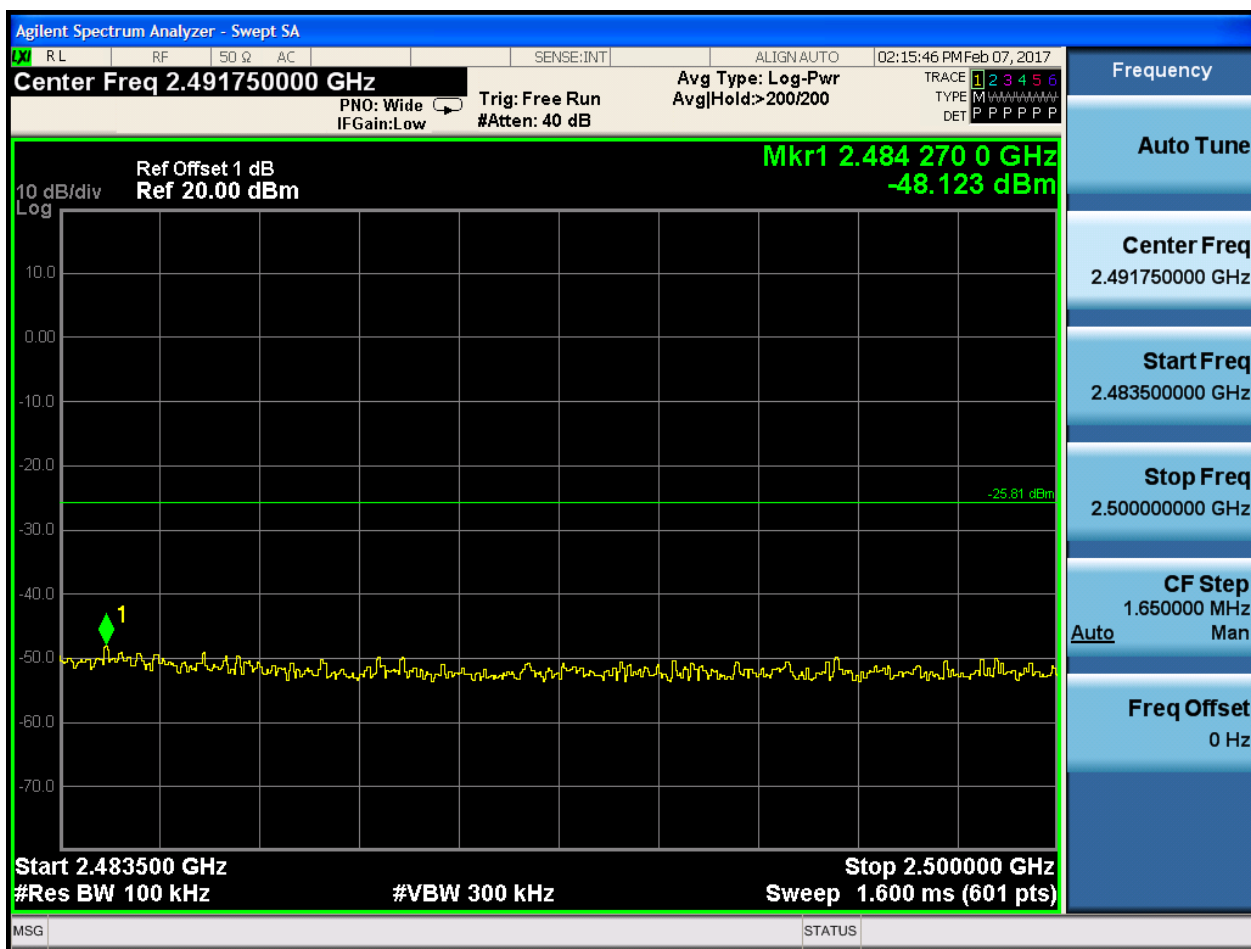
Puw:









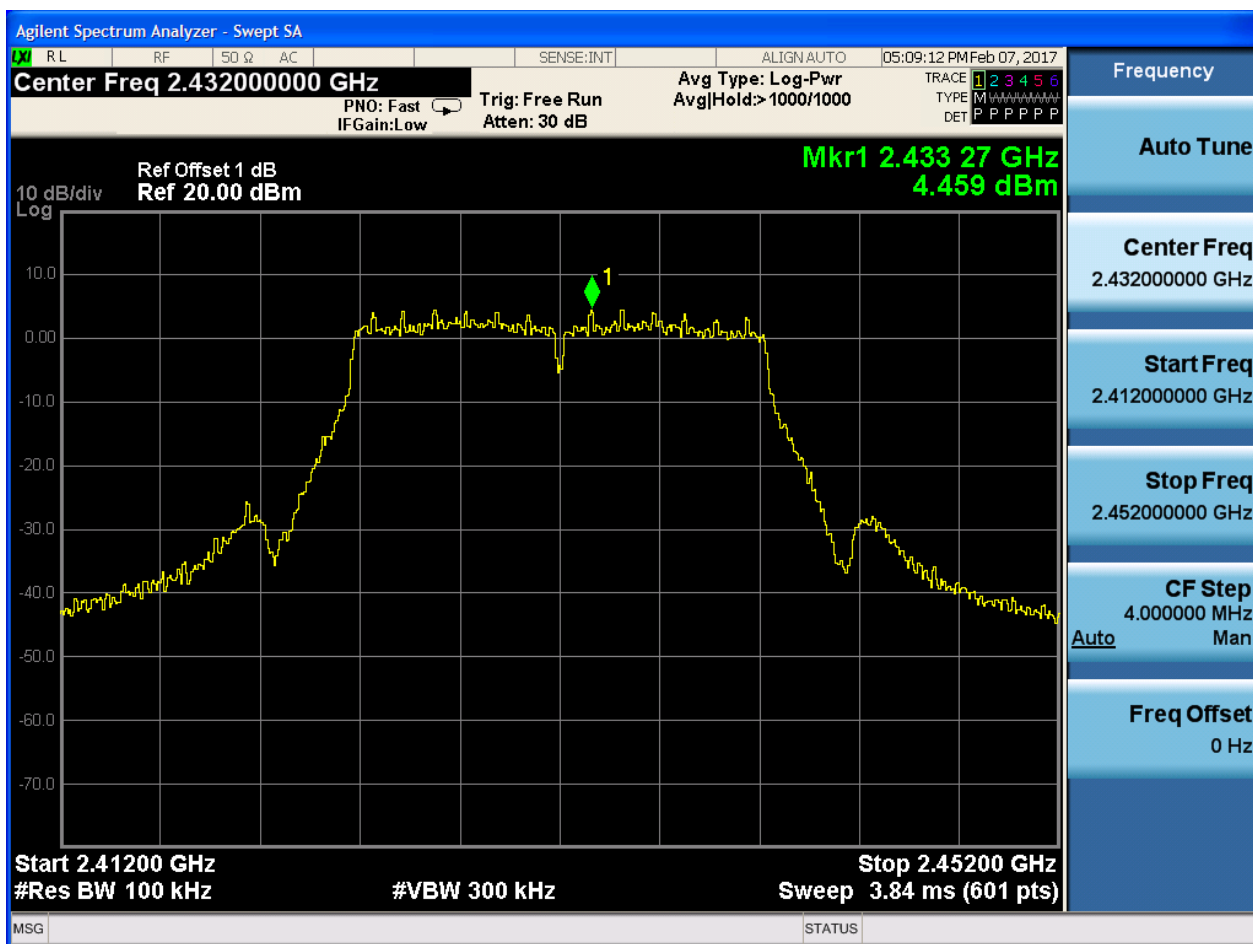






2.8 11G_L@Ant 2

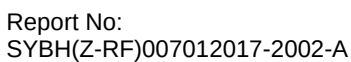
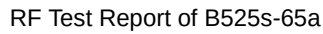
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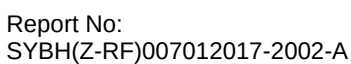
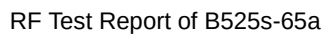


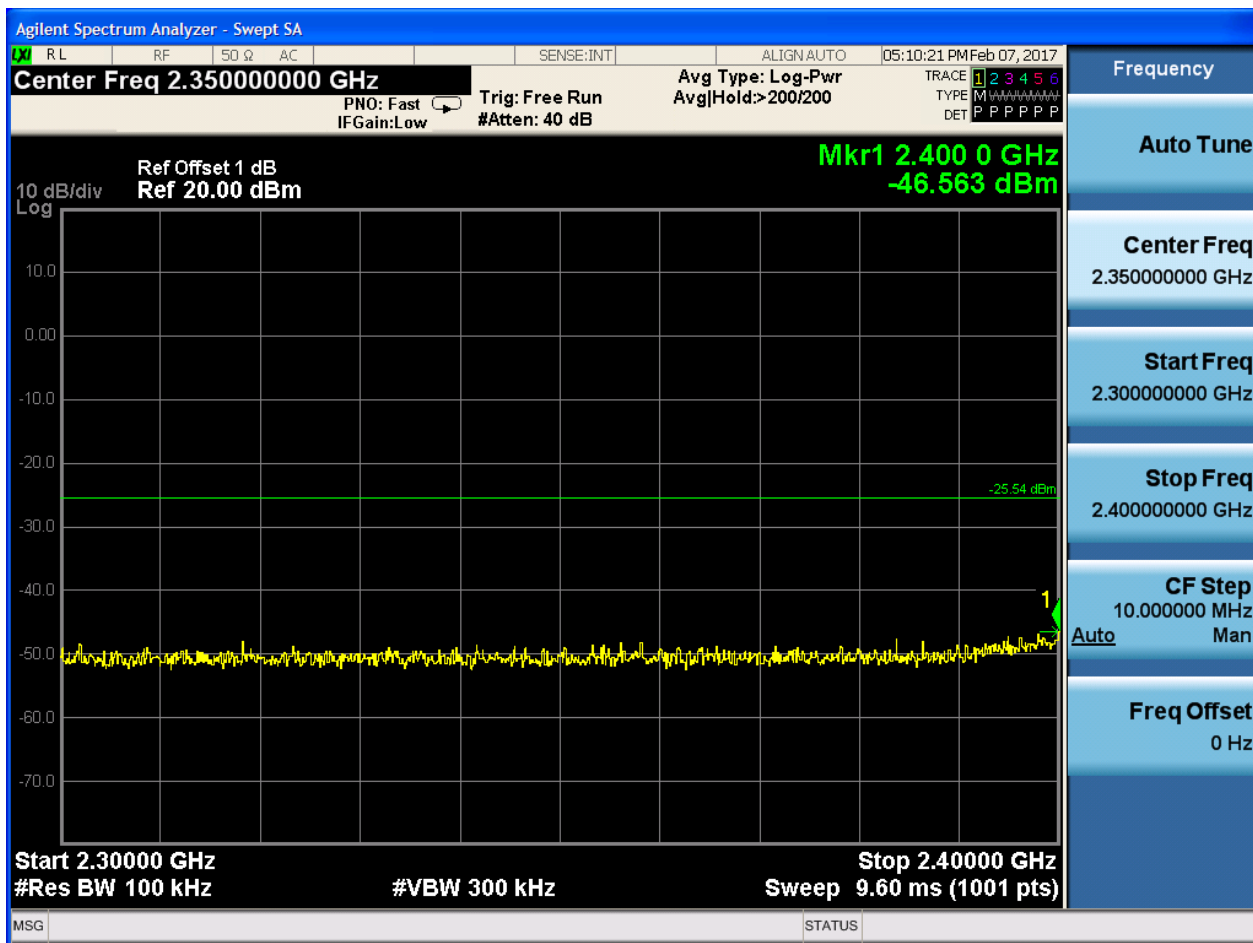


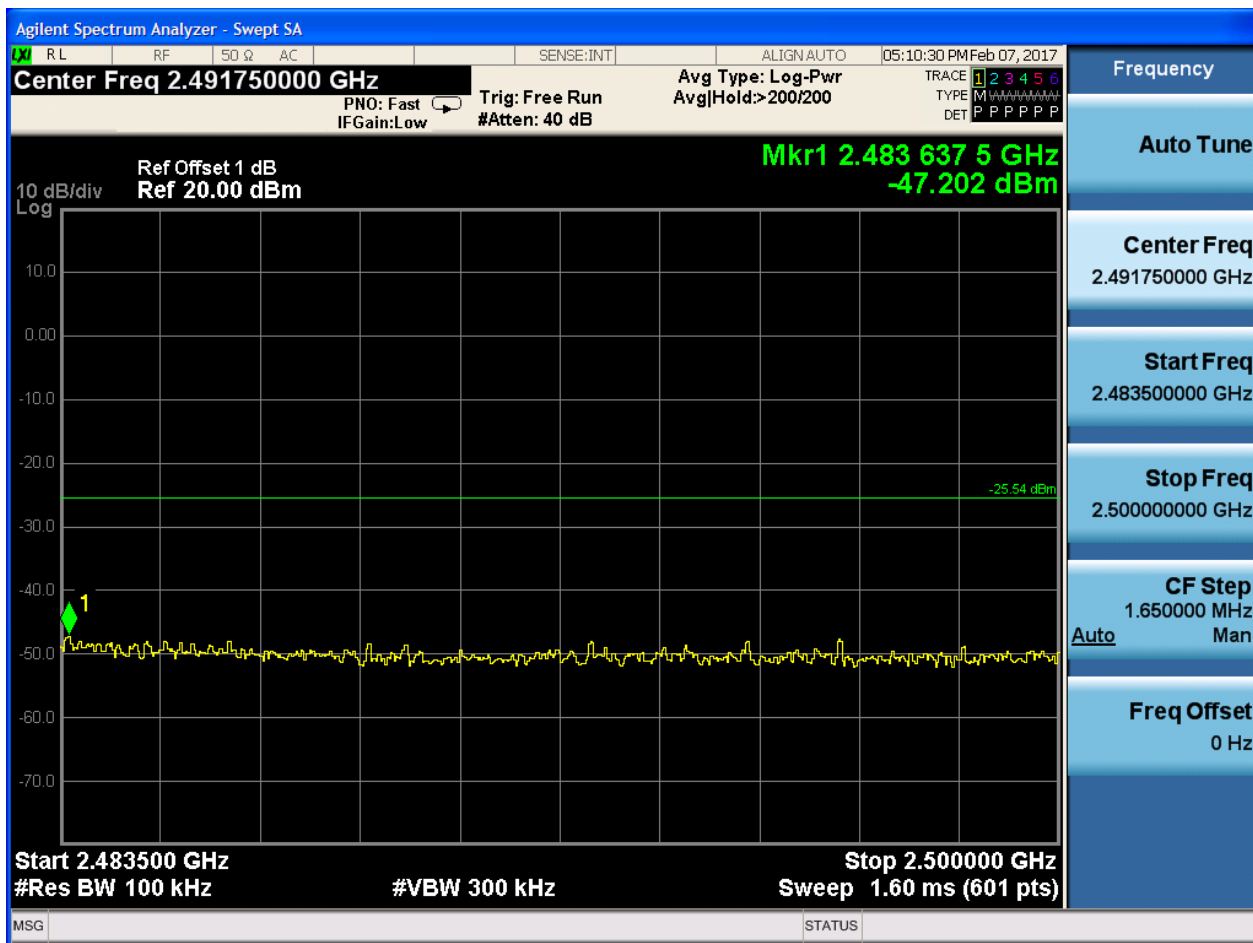
Puw:













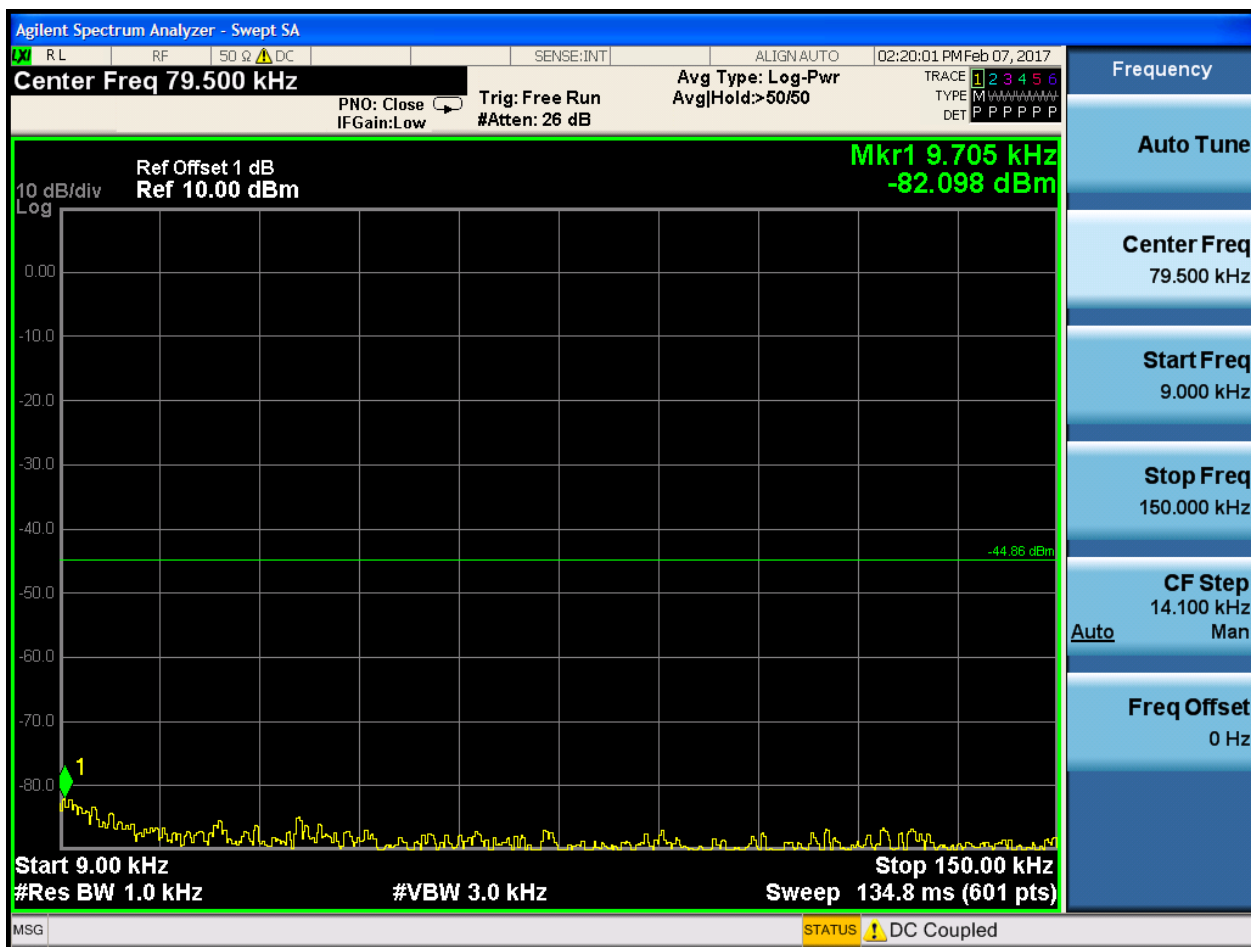
2.9 11G_M@Ant 1

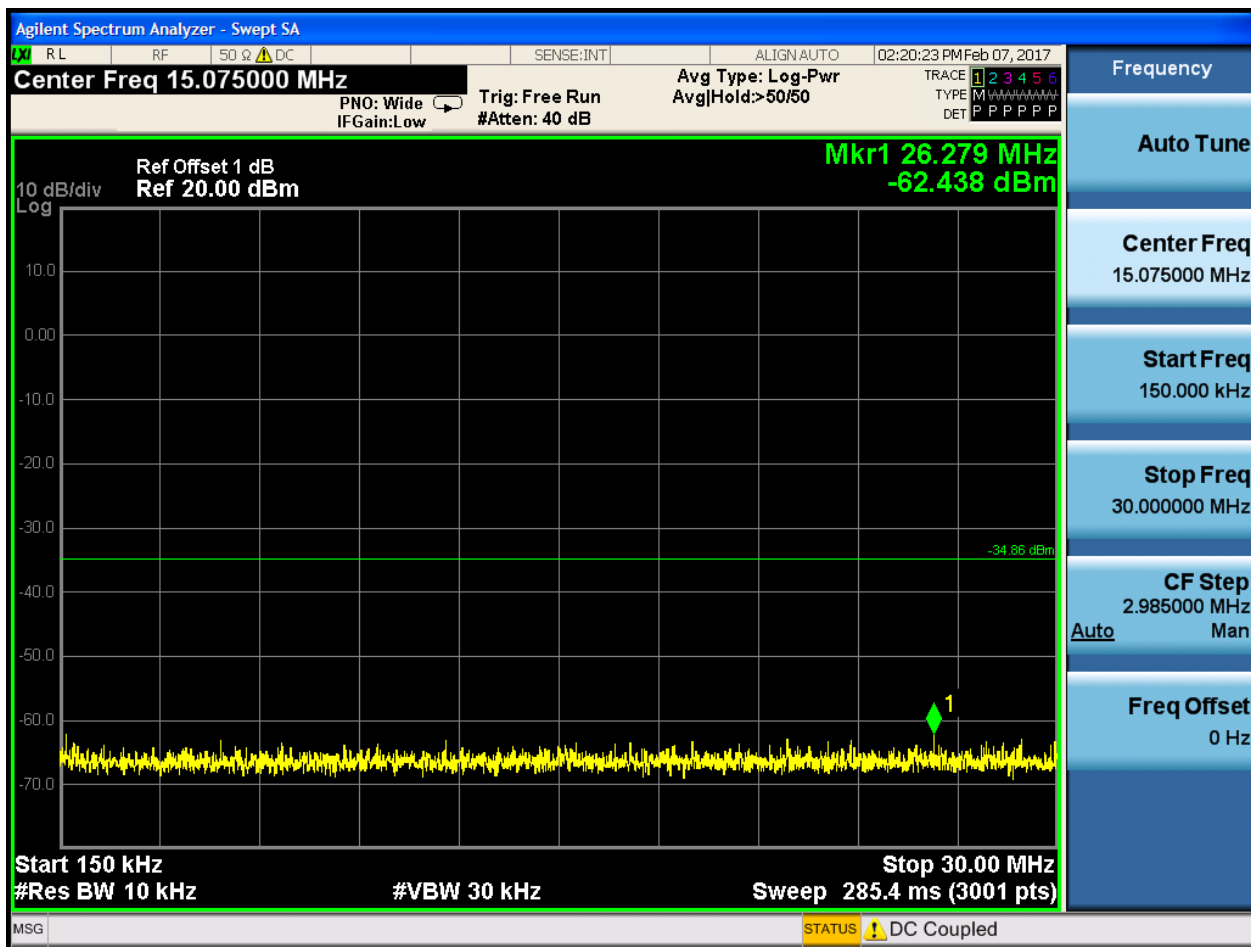
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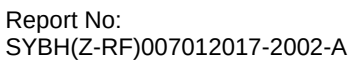
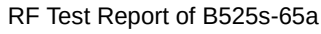


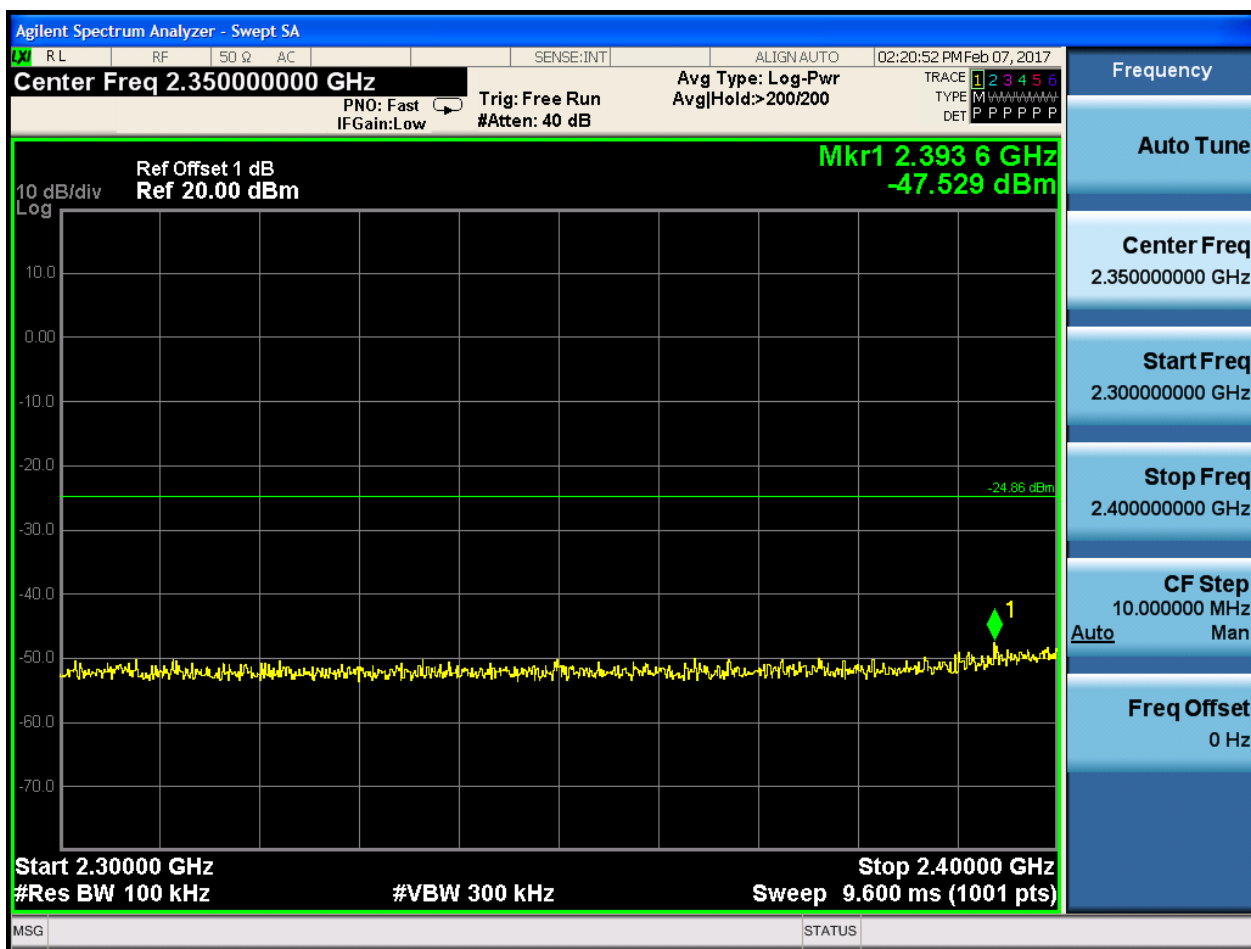


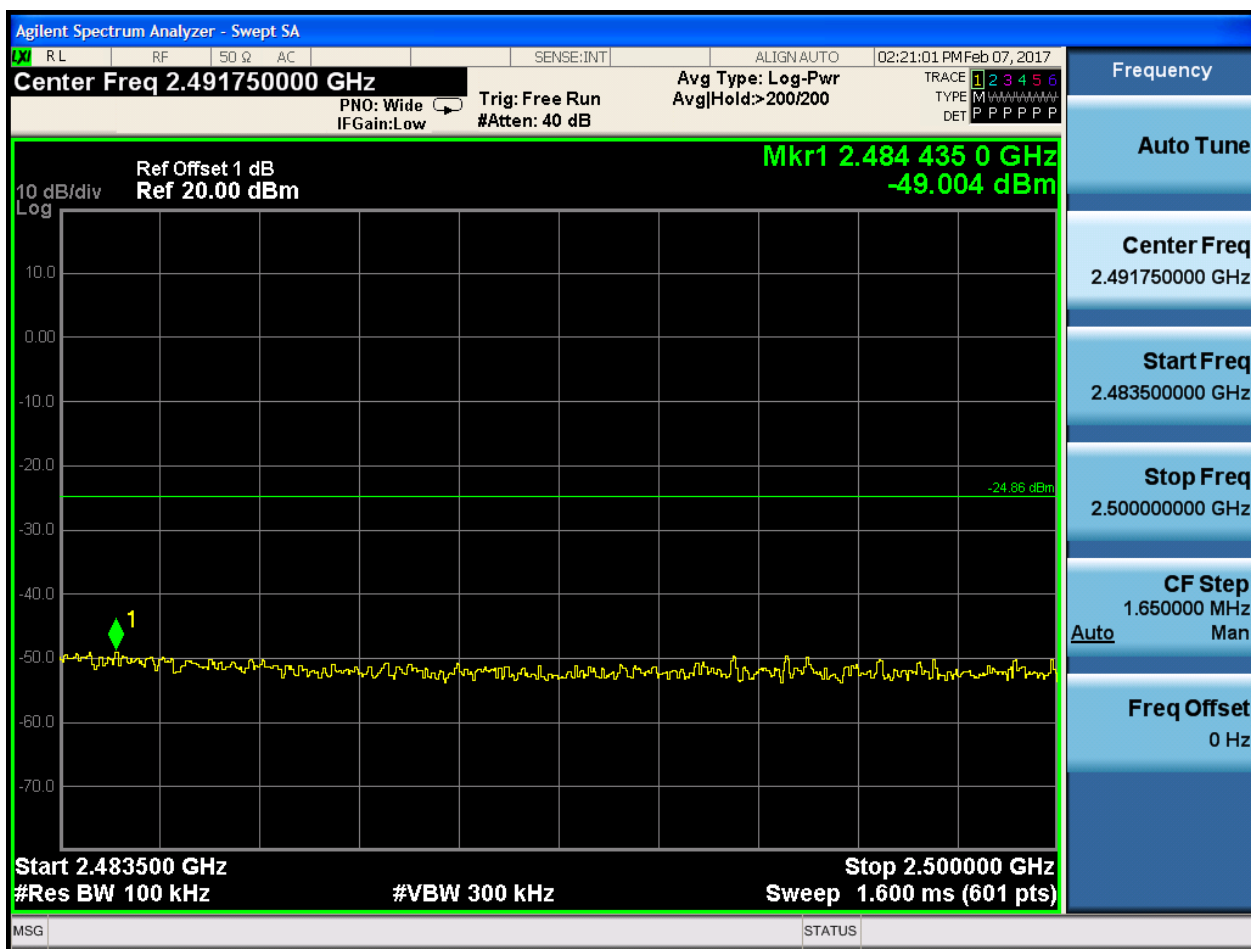
Puw:









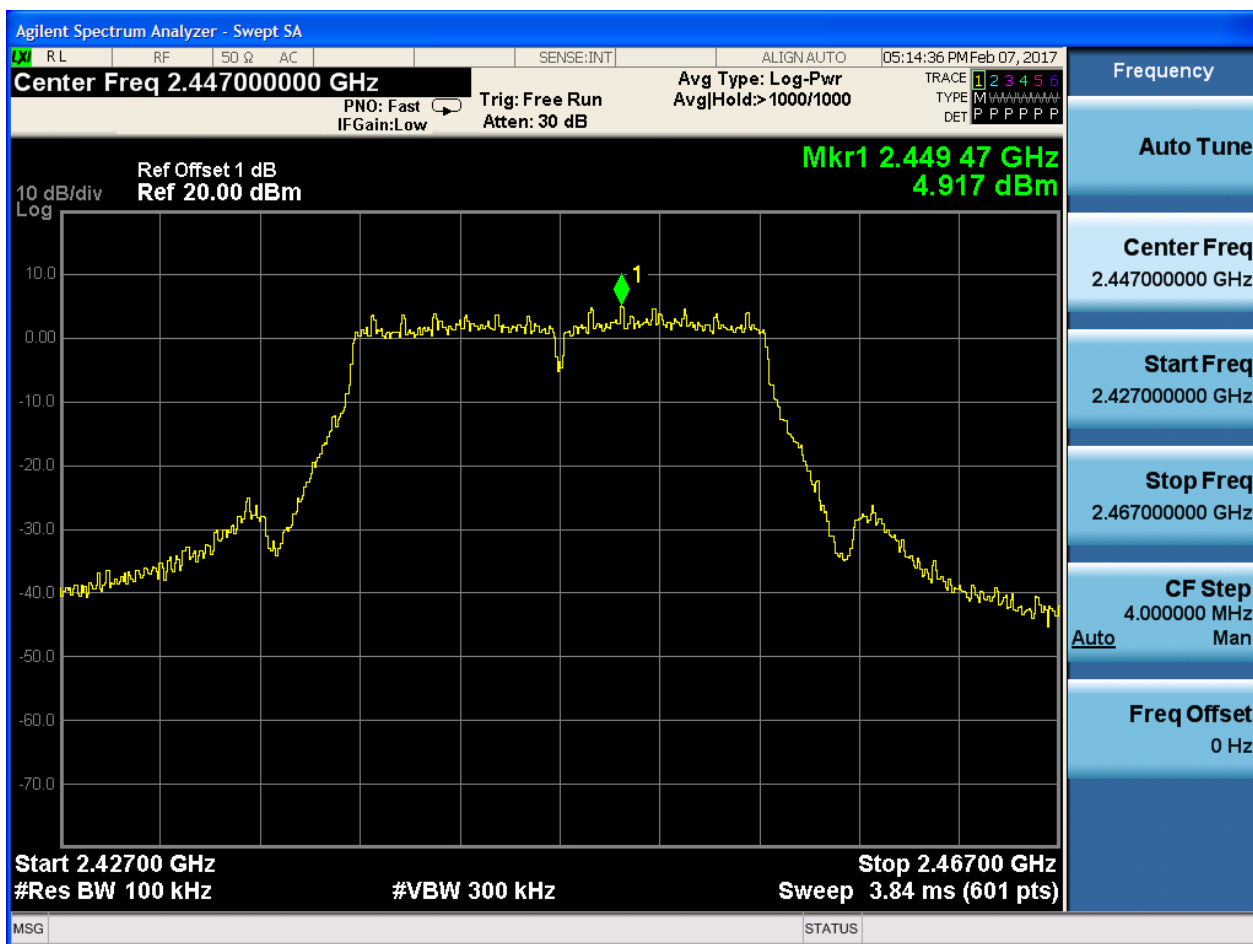






2.10 11G_M@Ant 2

Pref:





Puw:

