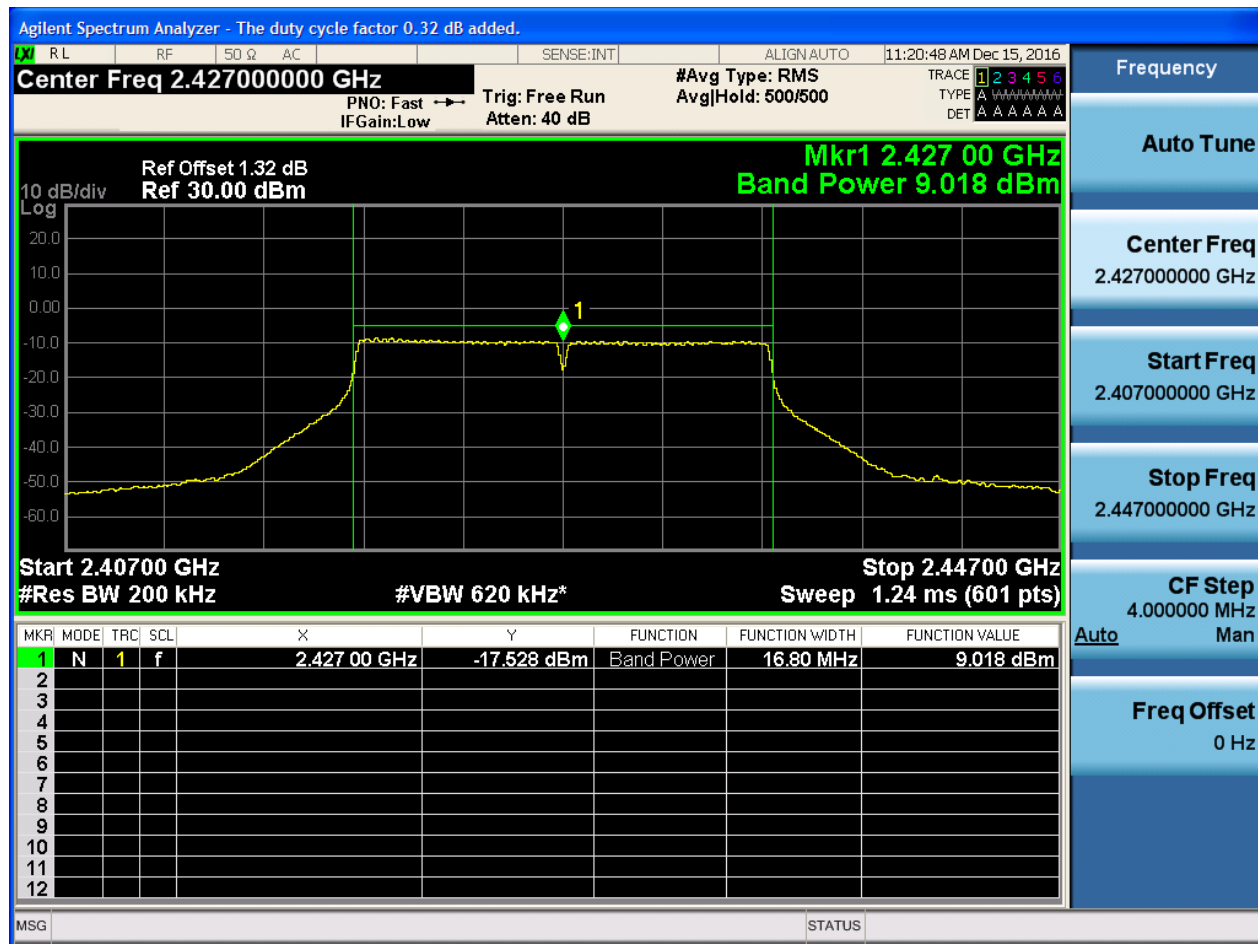


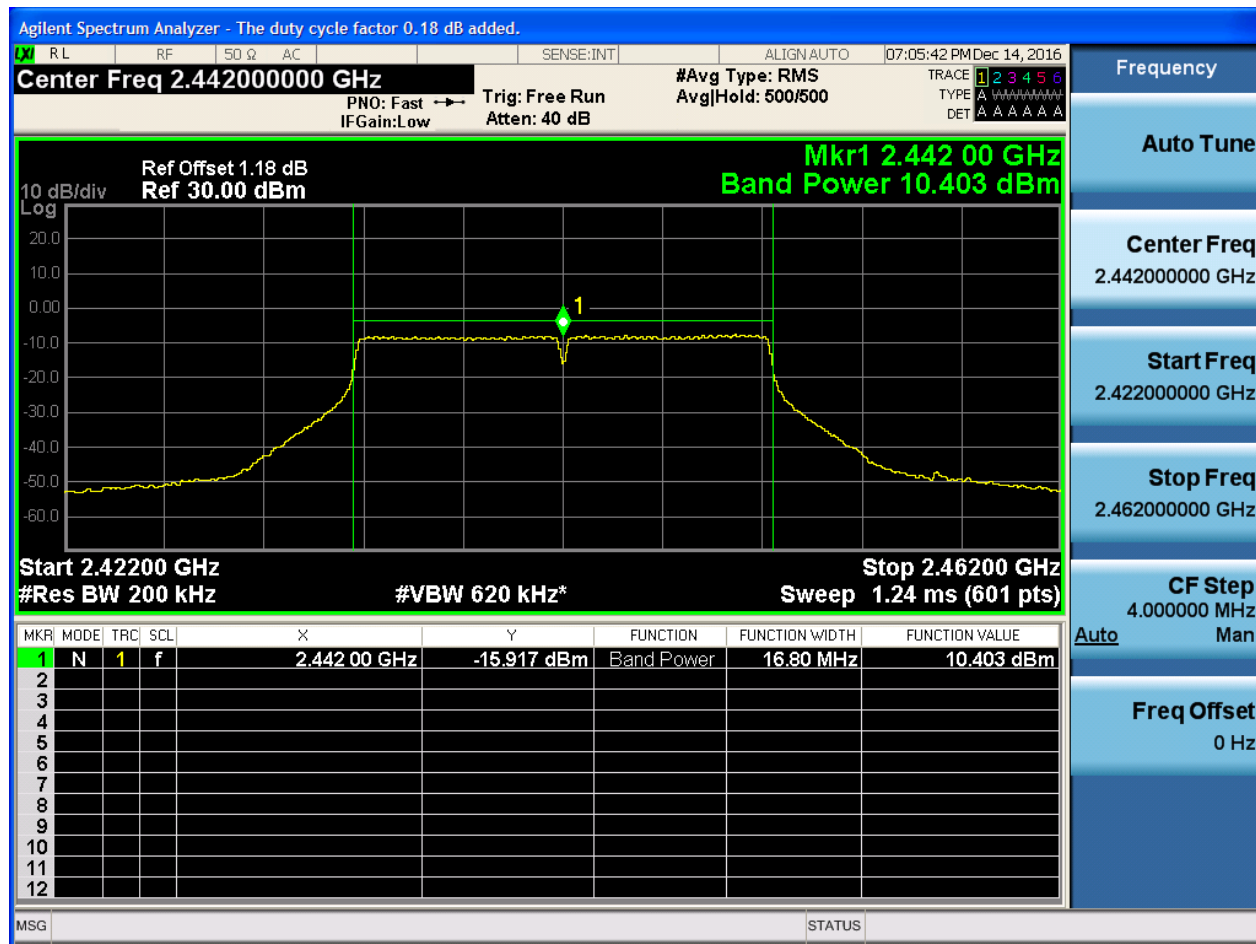


2.10 11G_M@Ant 2



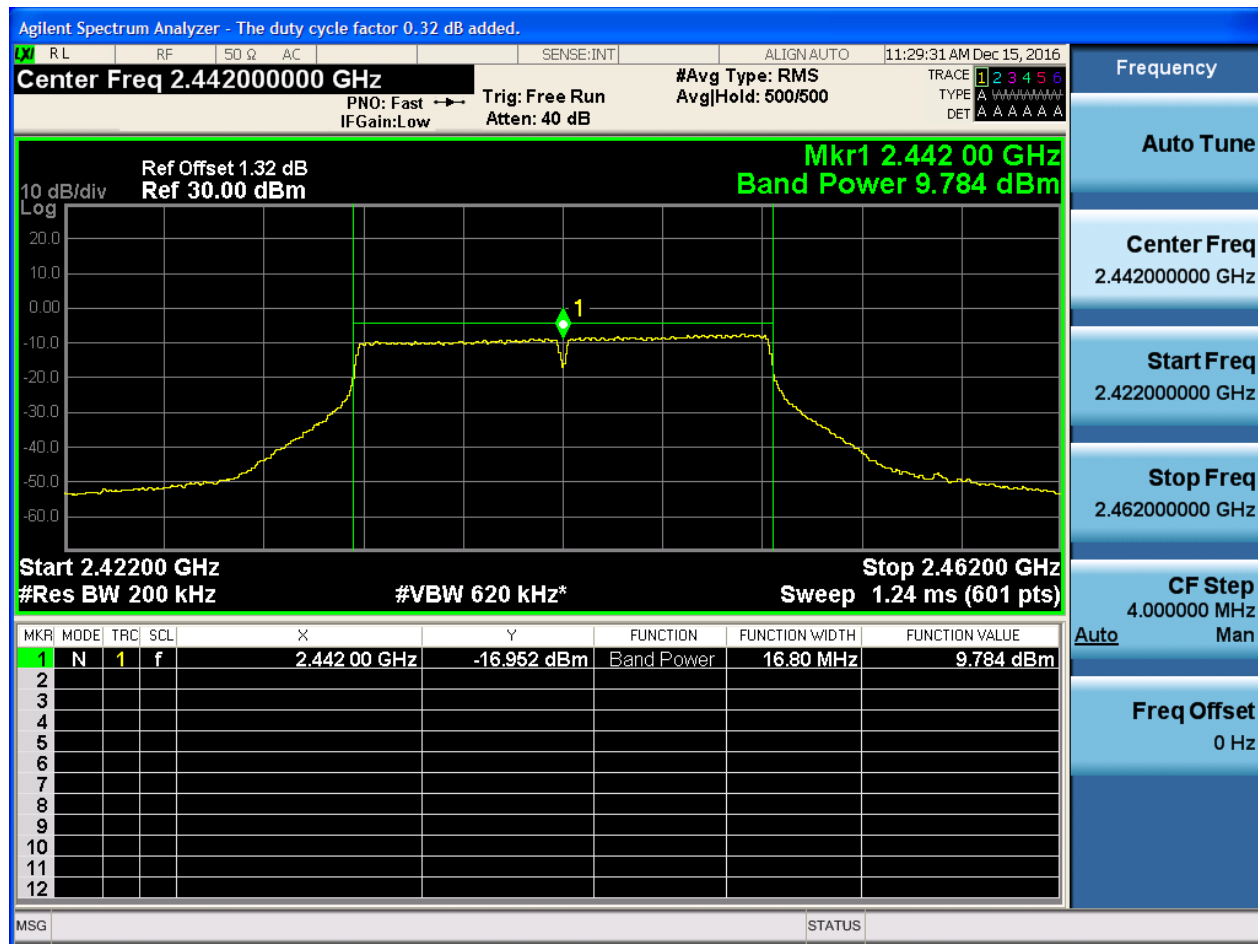


2.11 11G_H@Ant 1



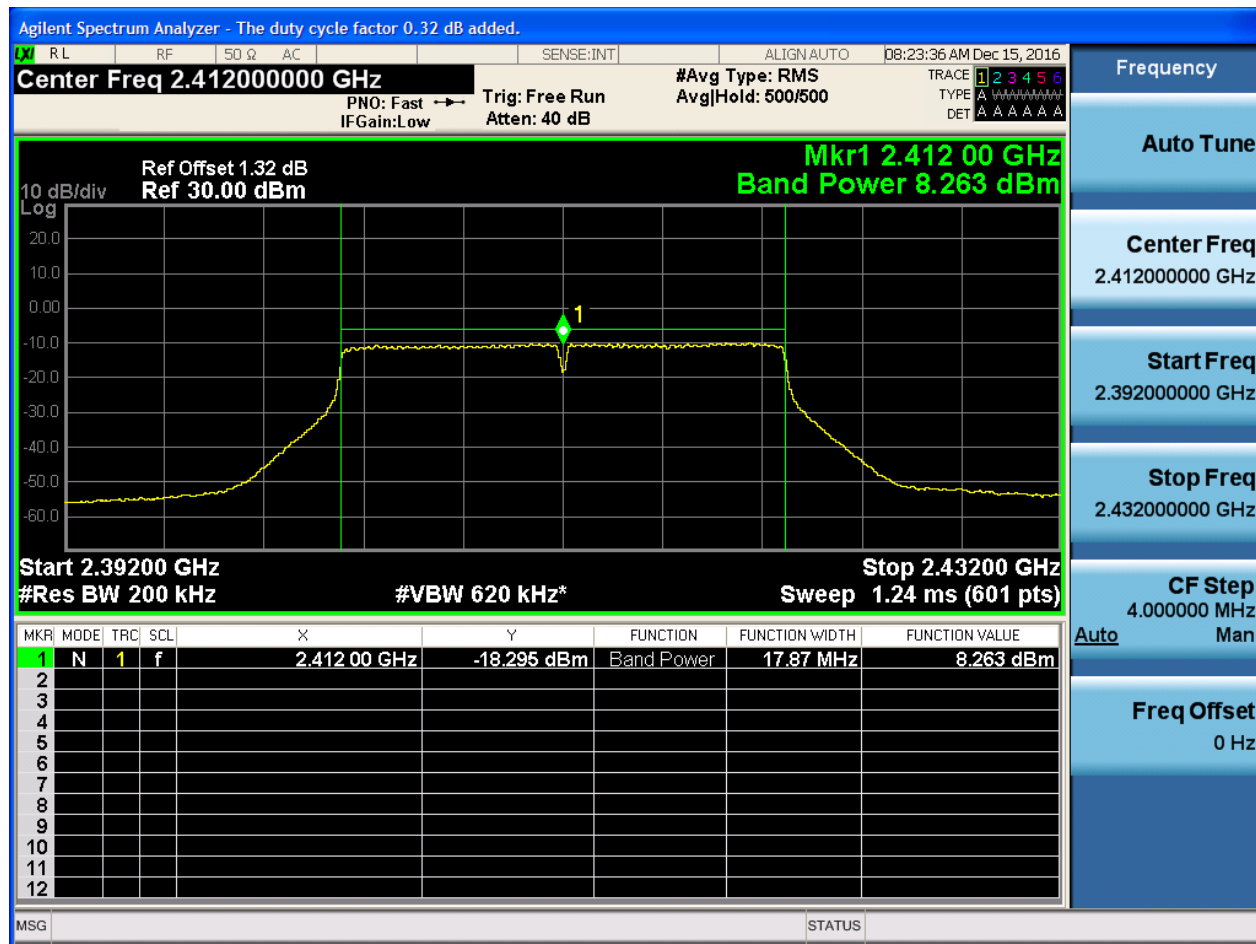


2.12 11G_H@Ant 2



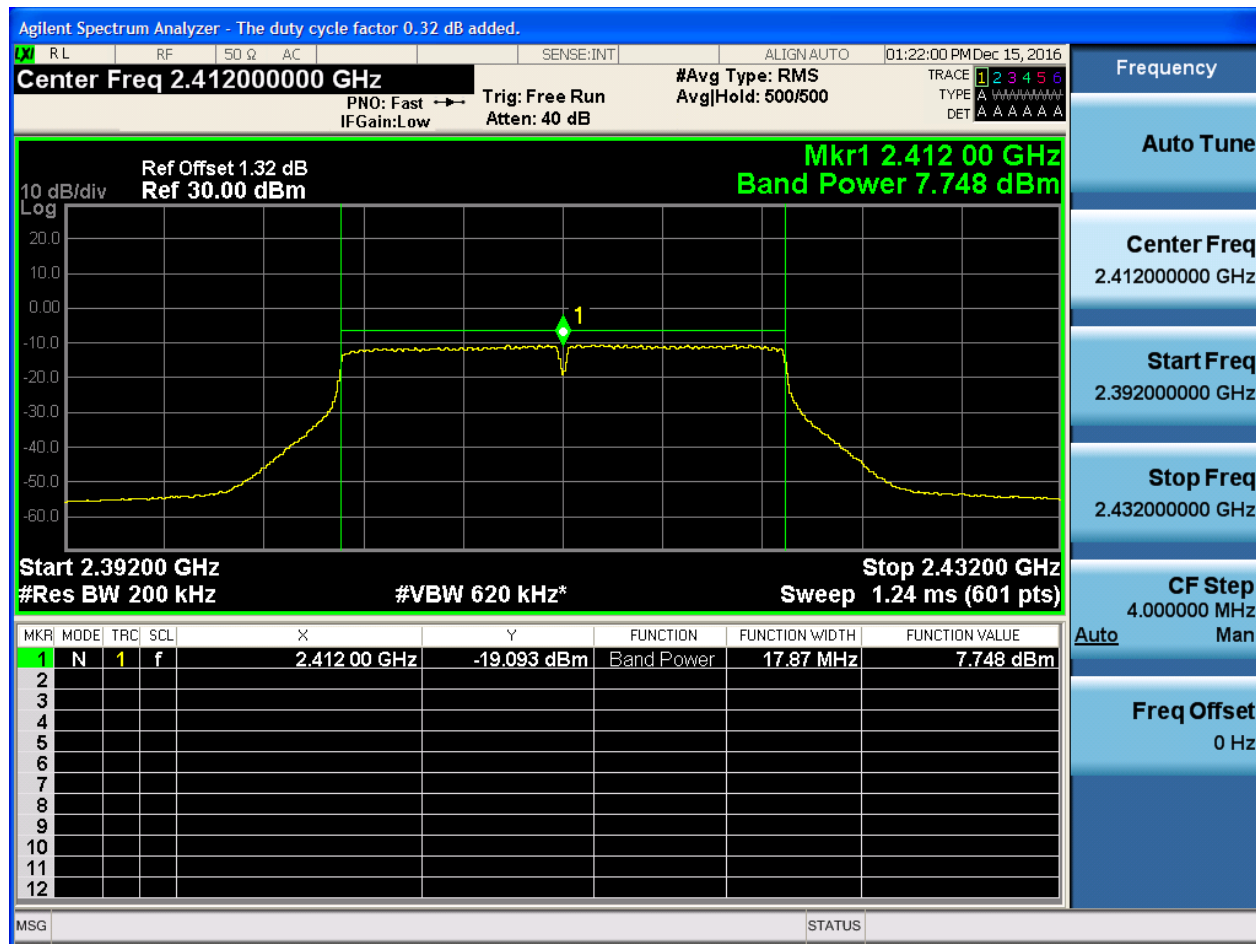


2.13 11N20_L@Ant 1



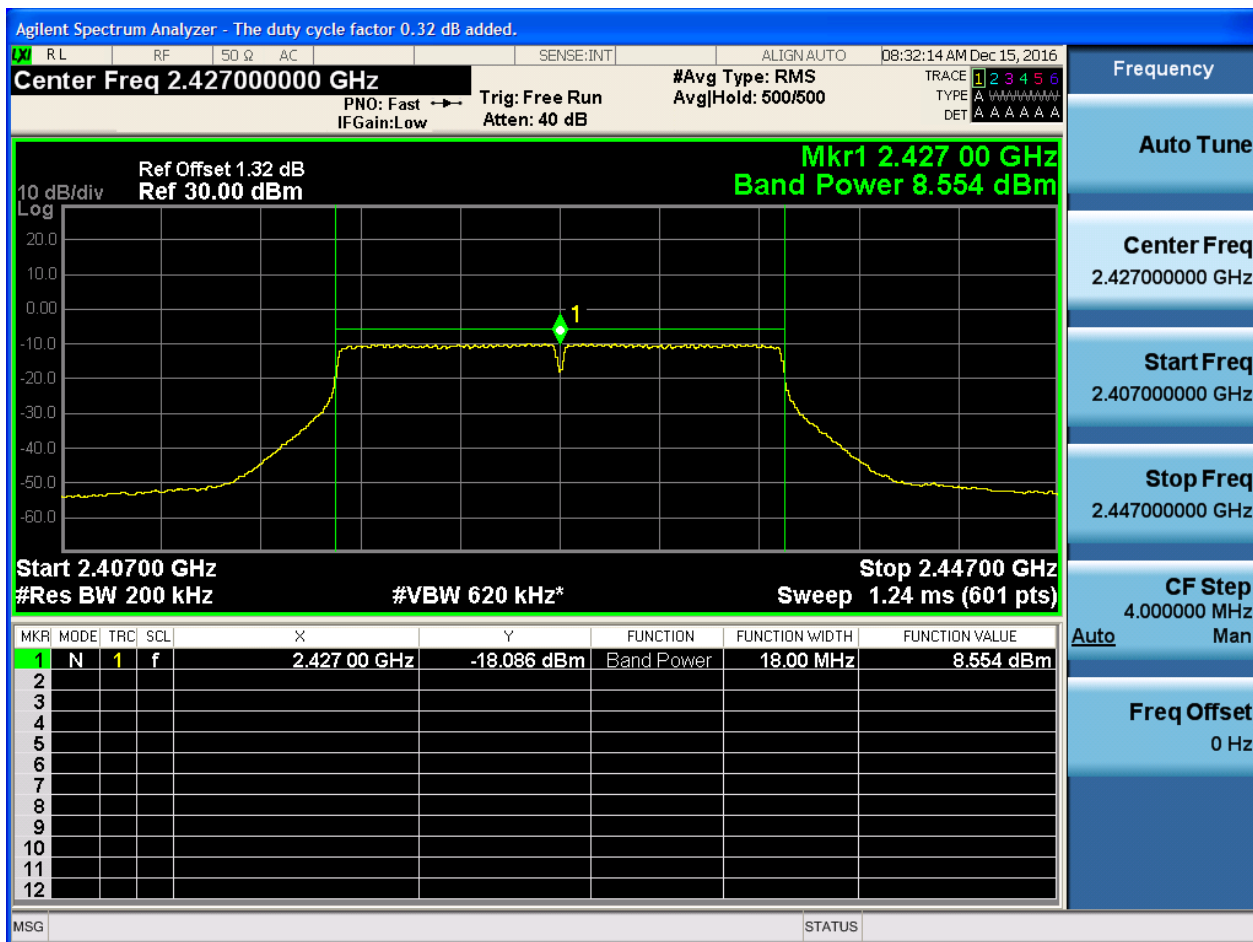


2.14 11N20_L@Ant 2



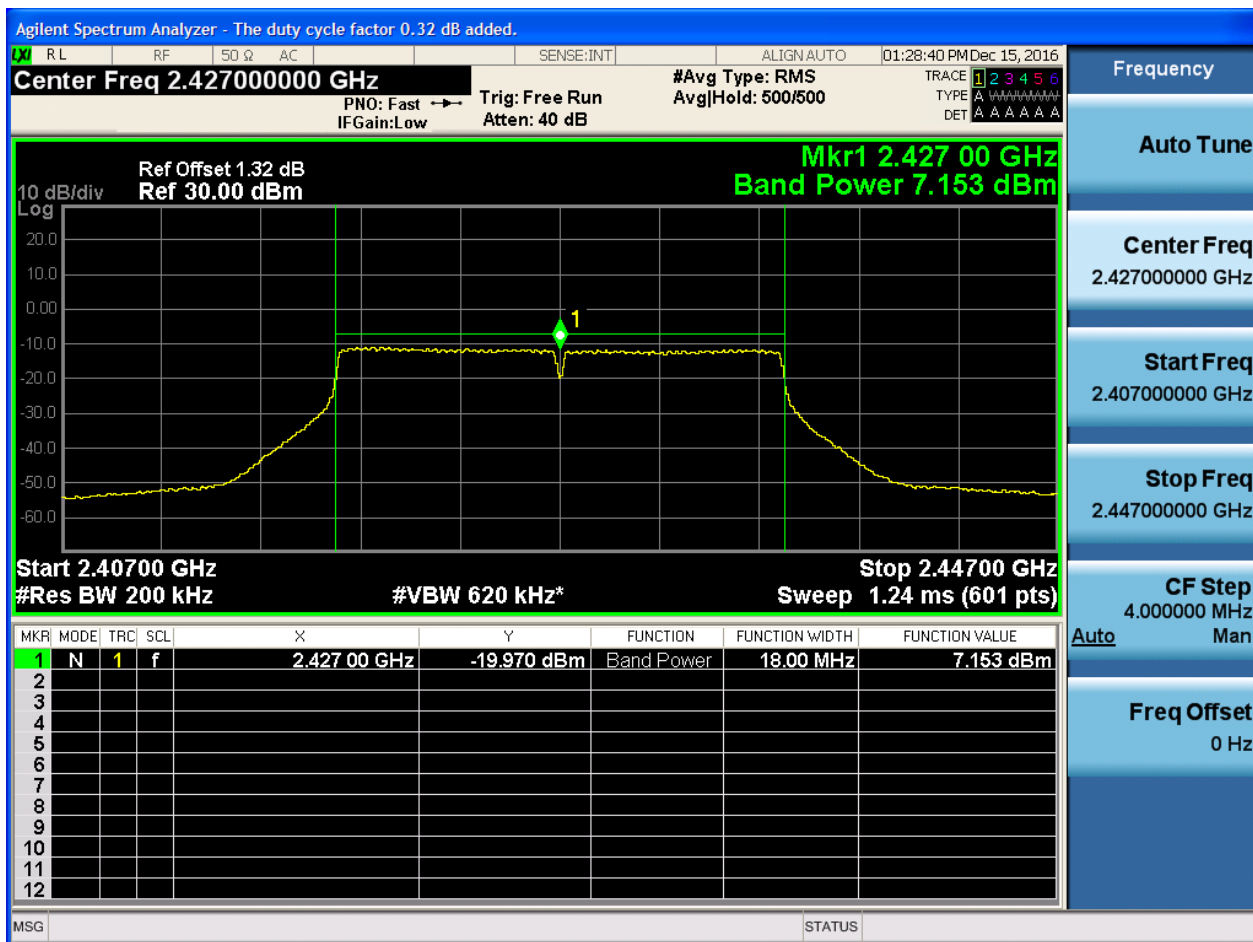


2.15 11N20_M@Ant 1



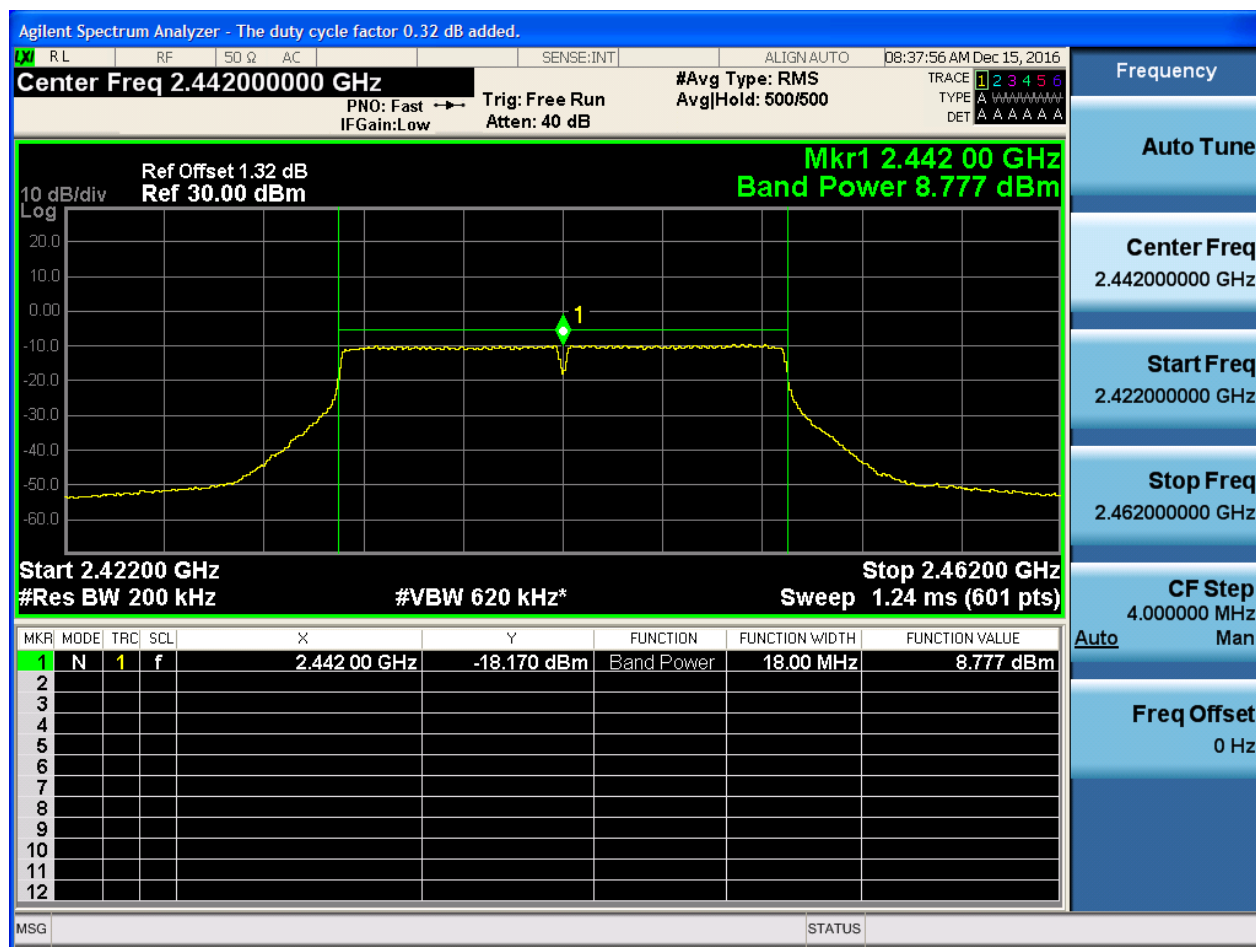


2.16 11N20_M@Ant 2



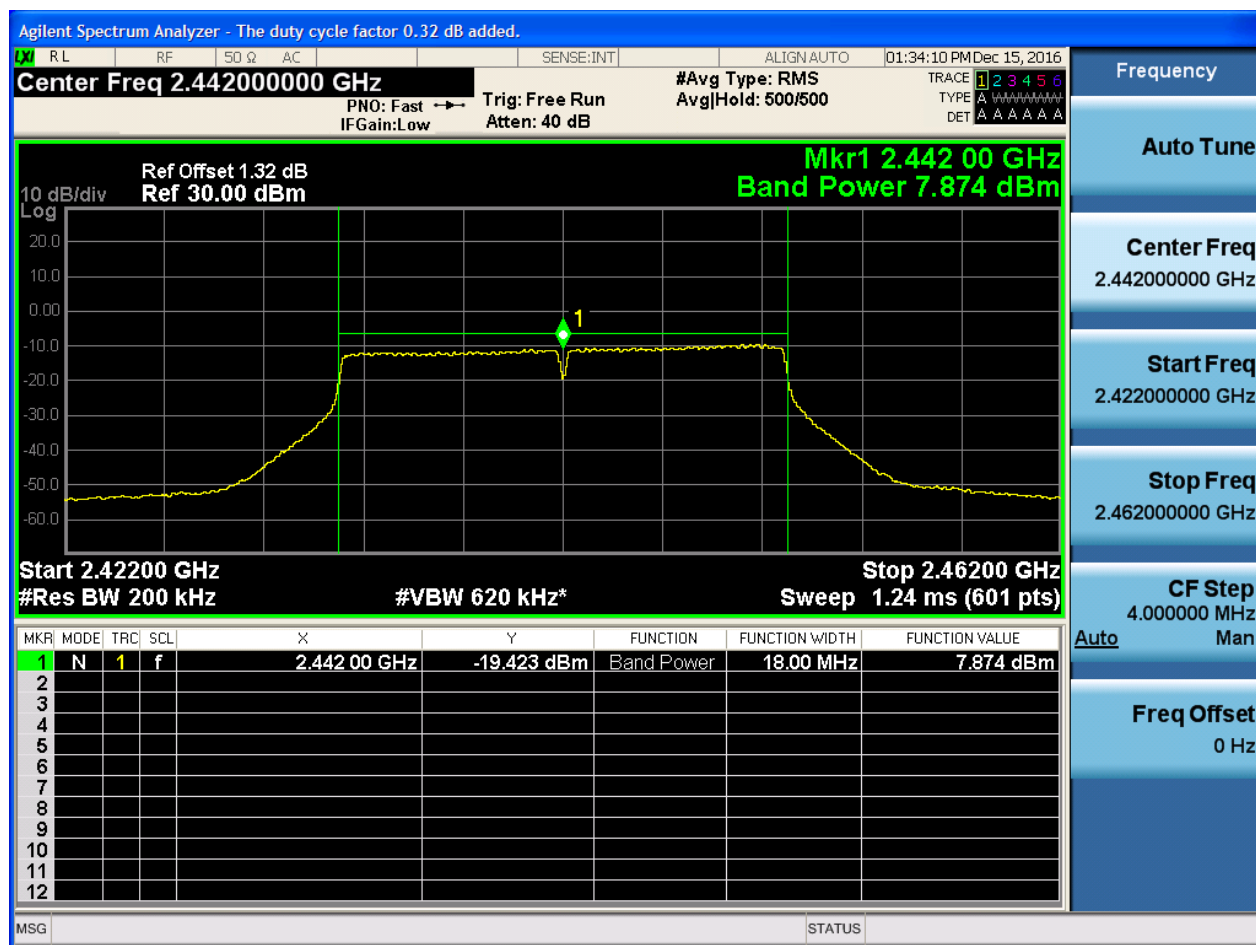


2.17 11N20_H@Ant 1



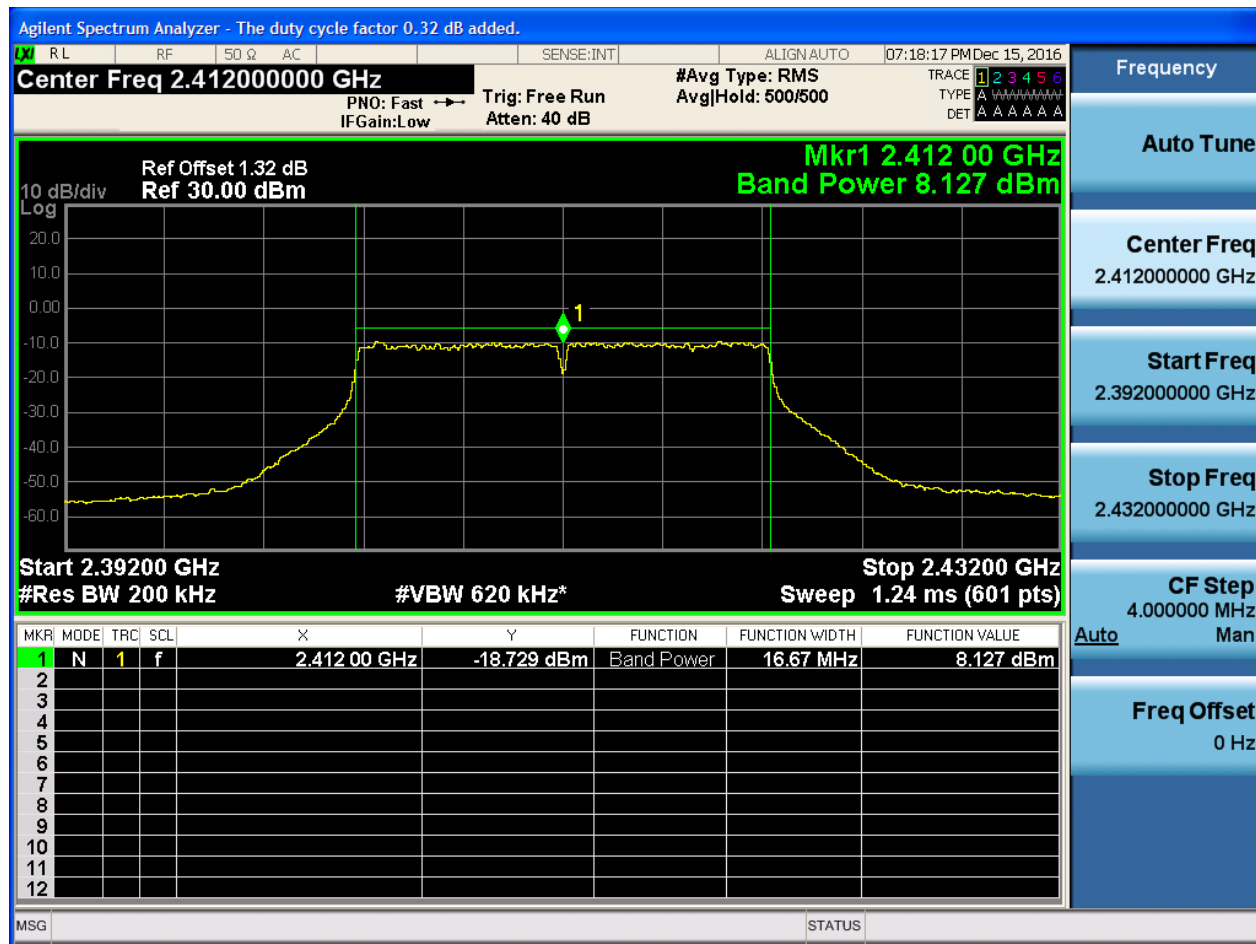


2.18 11N20_H@Ant 2



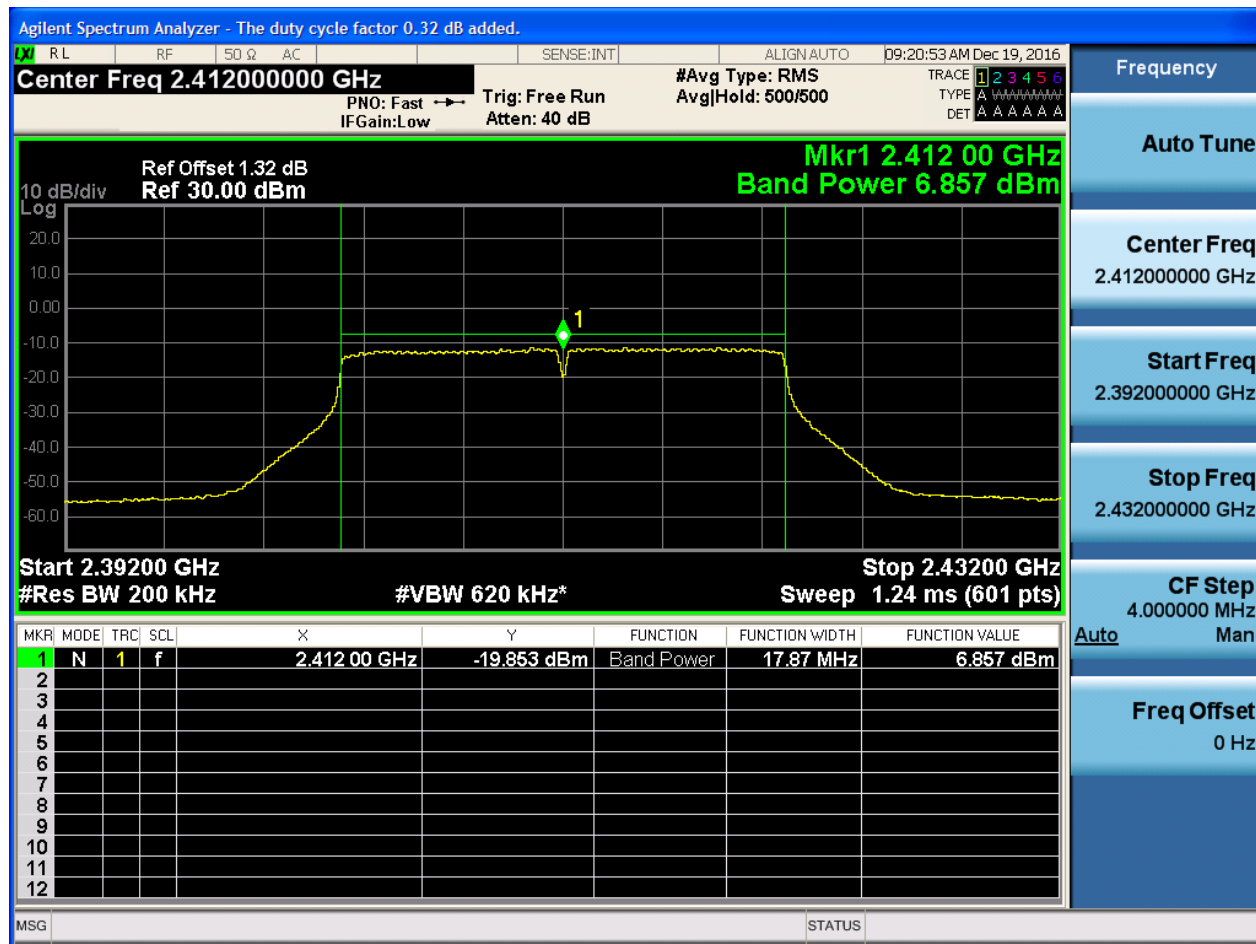


2.13 11N20m_L@Ant 1



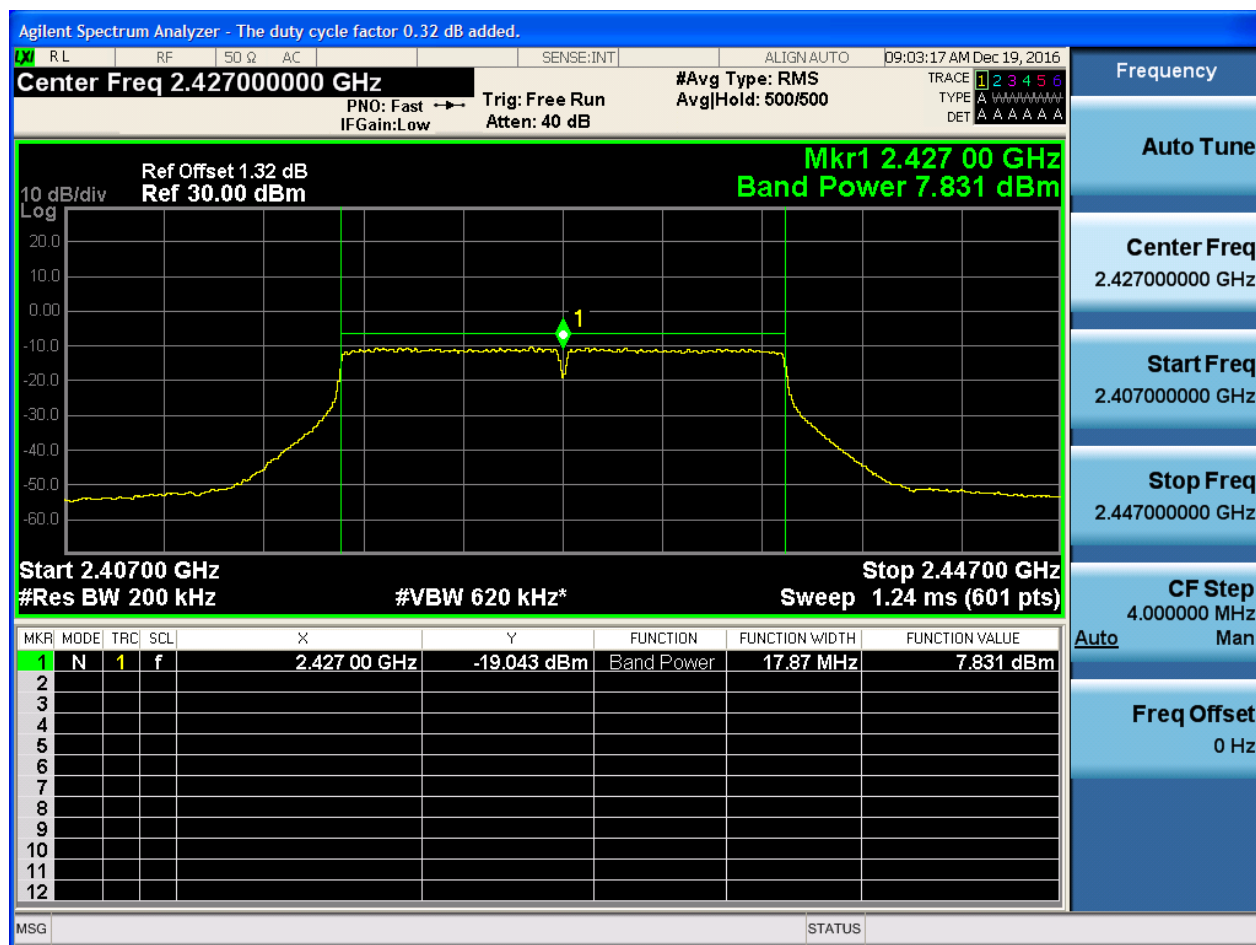


2.14 11N20m_L@Ant 2



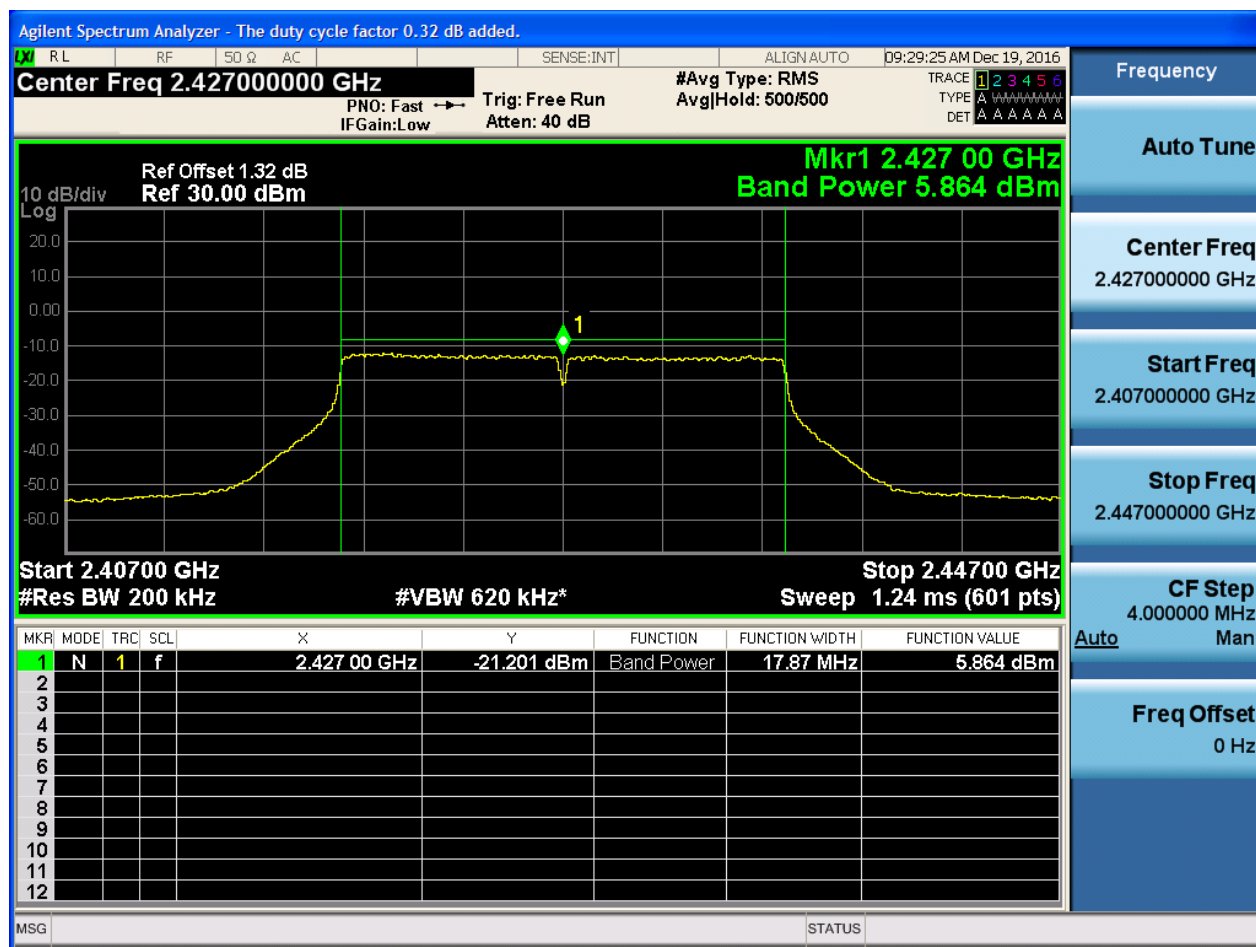


2.15 11N20m_M@Ant 1



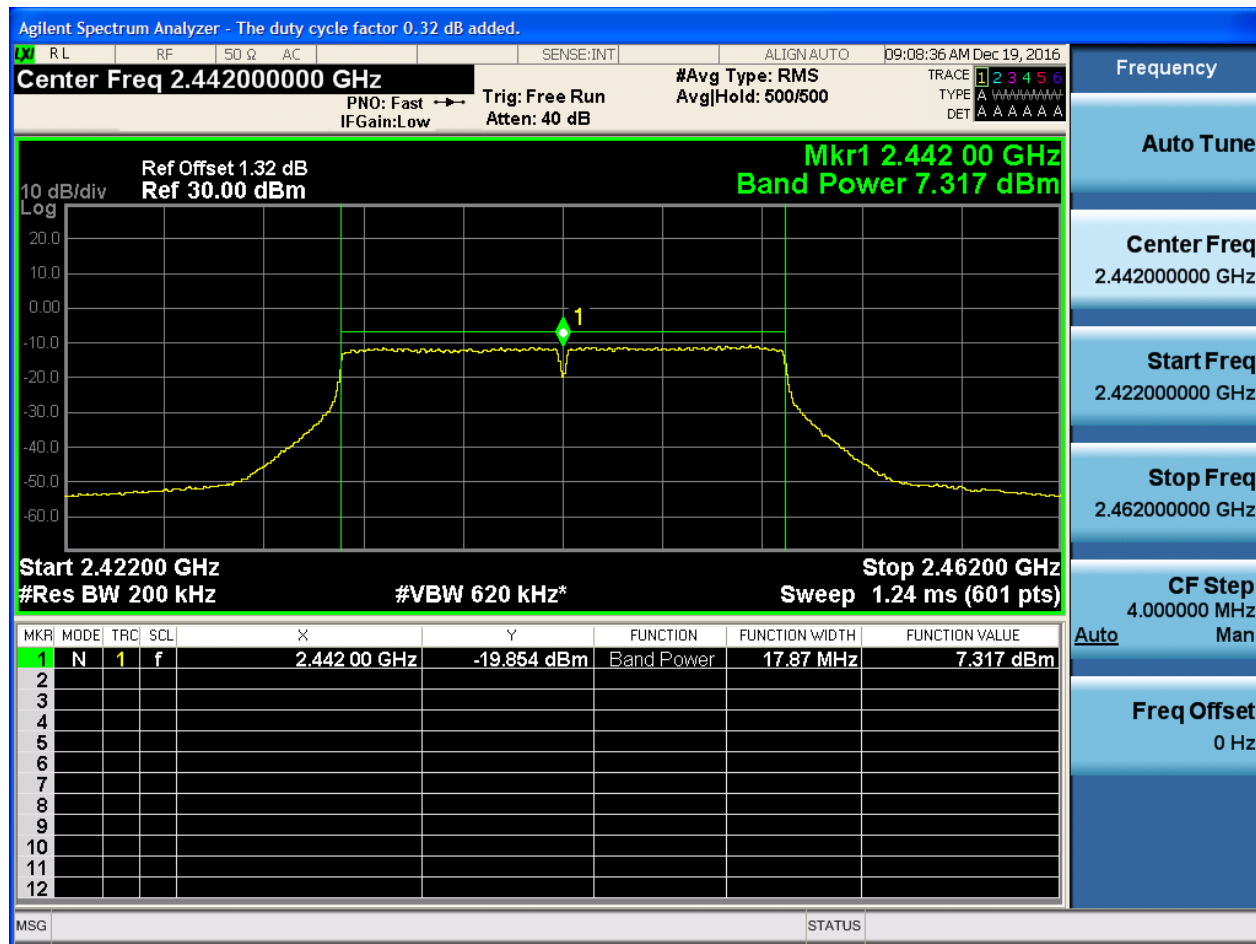


2.16 11N20m_M@Ant 2



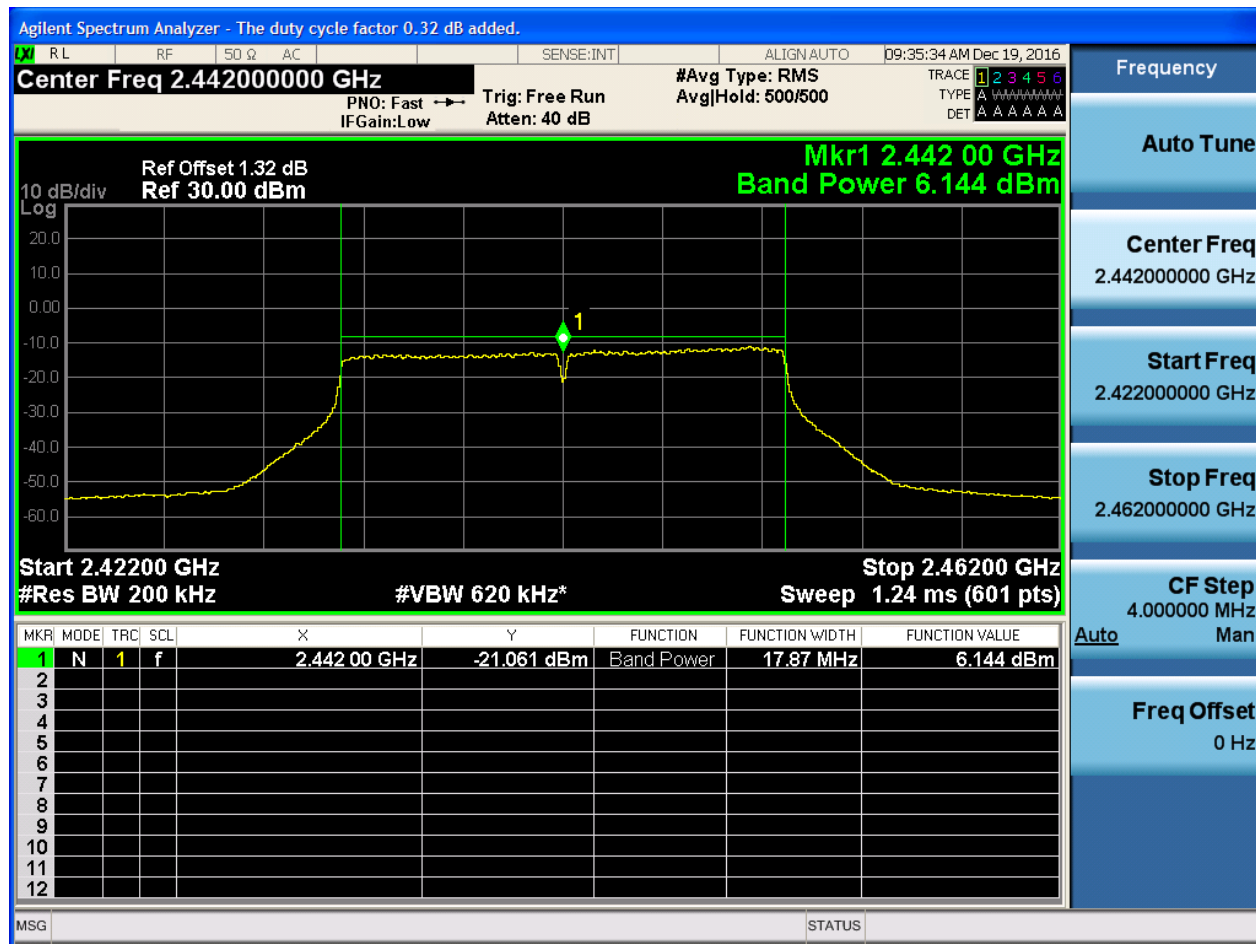


2.17 11N20m_H@Ant 1



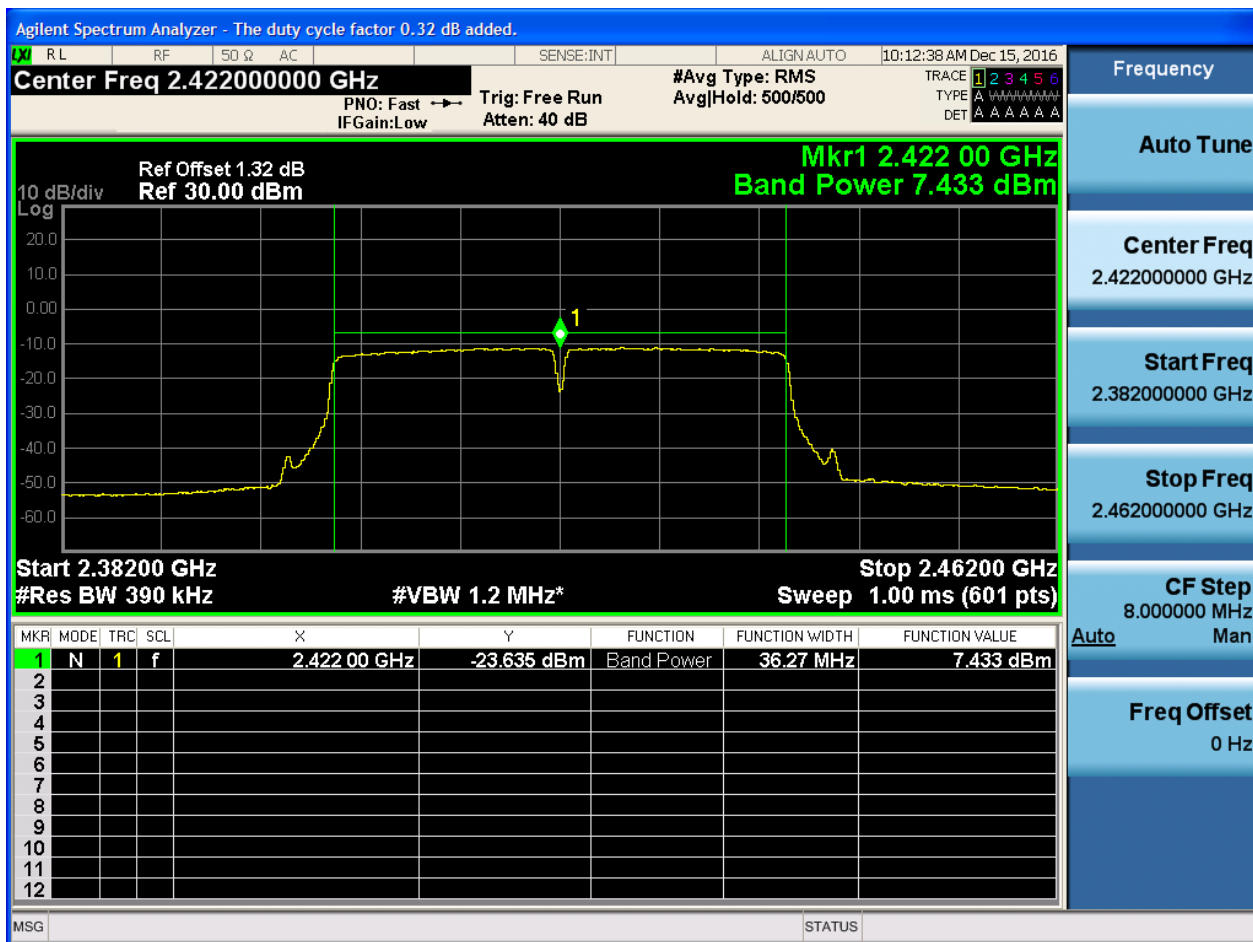


2.18 11N20m_H@Ant 2



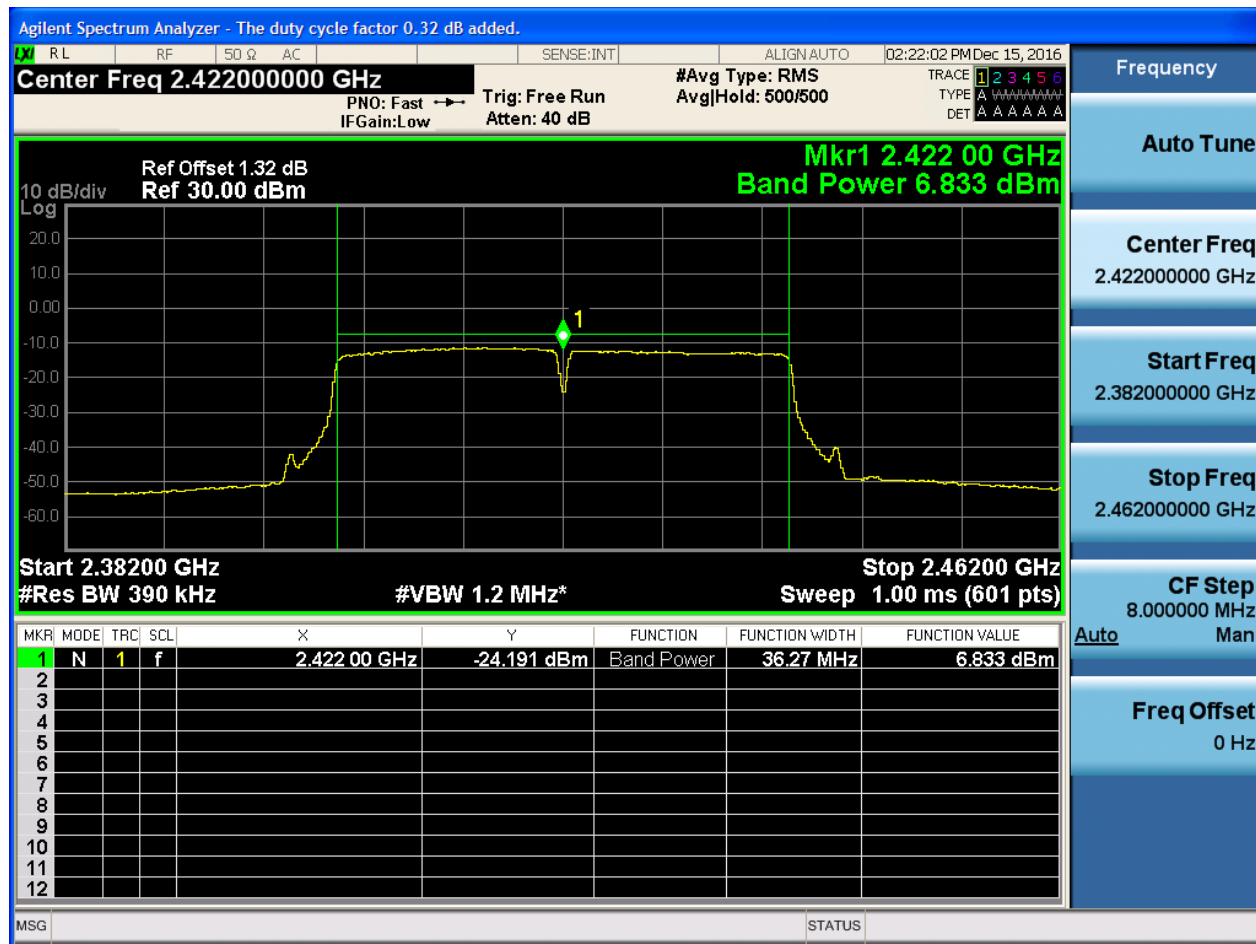


2.19 11N40_L@Ant 1



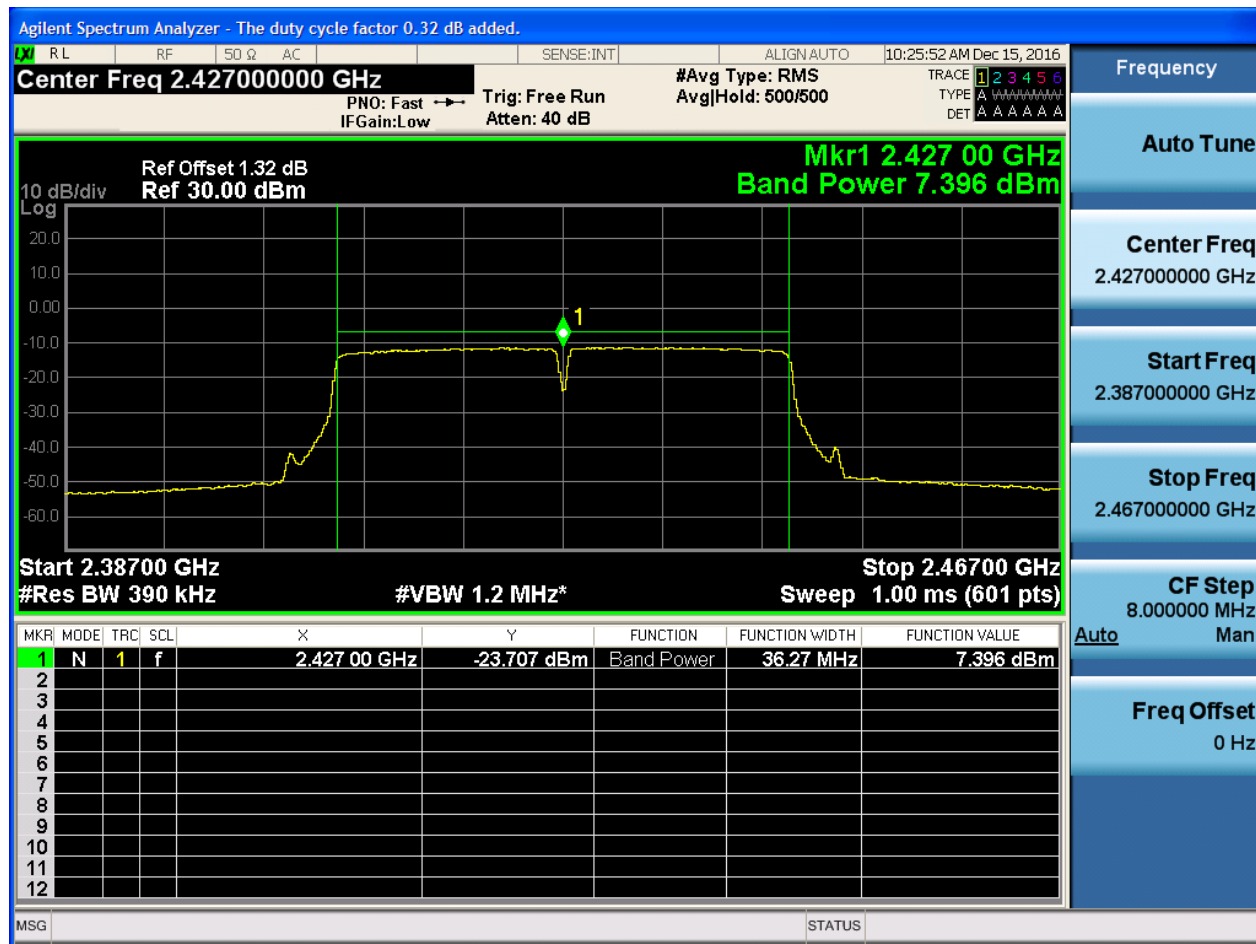


2.20 11N40_L@Ant 2



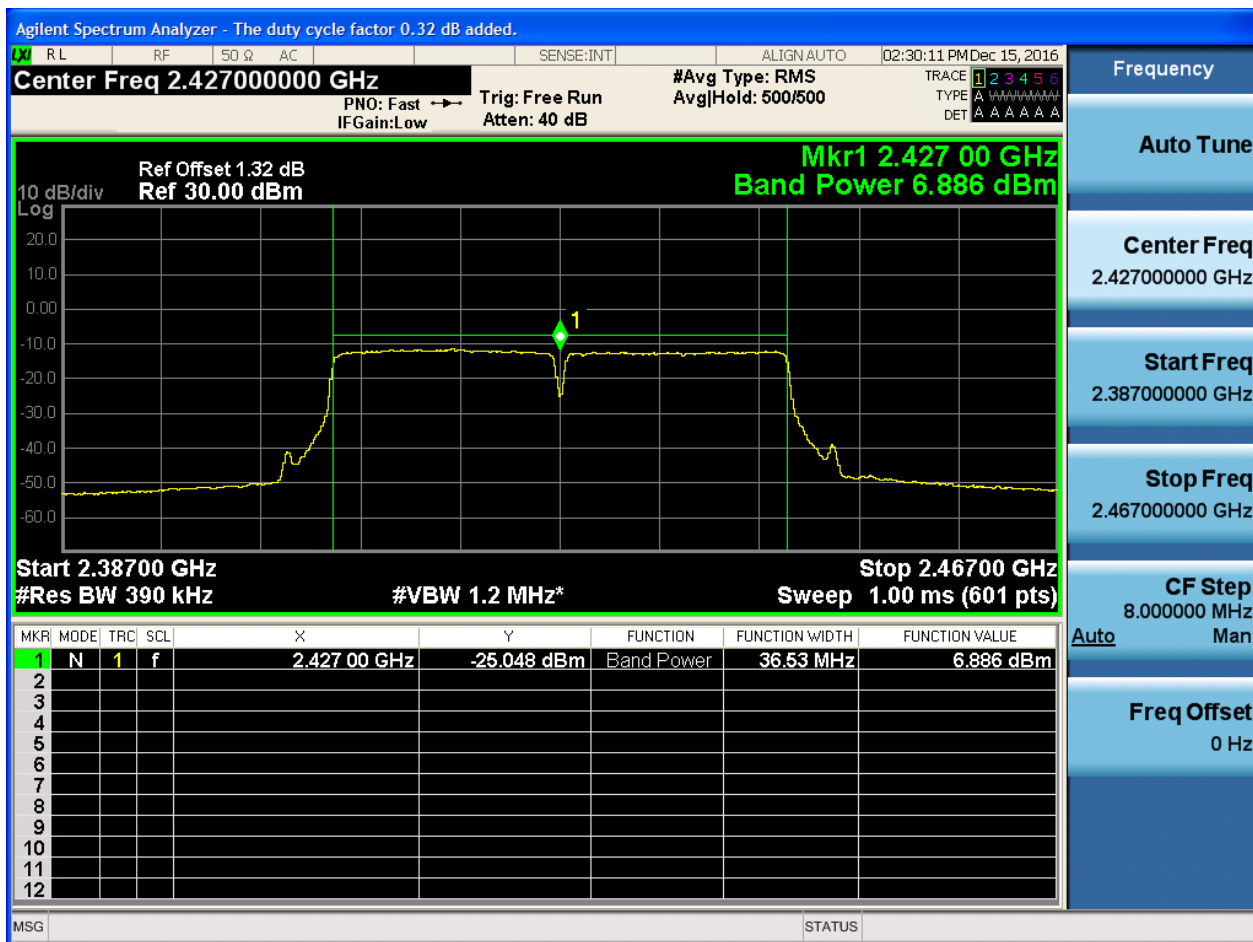


2.21 11N40_M@Ant 1



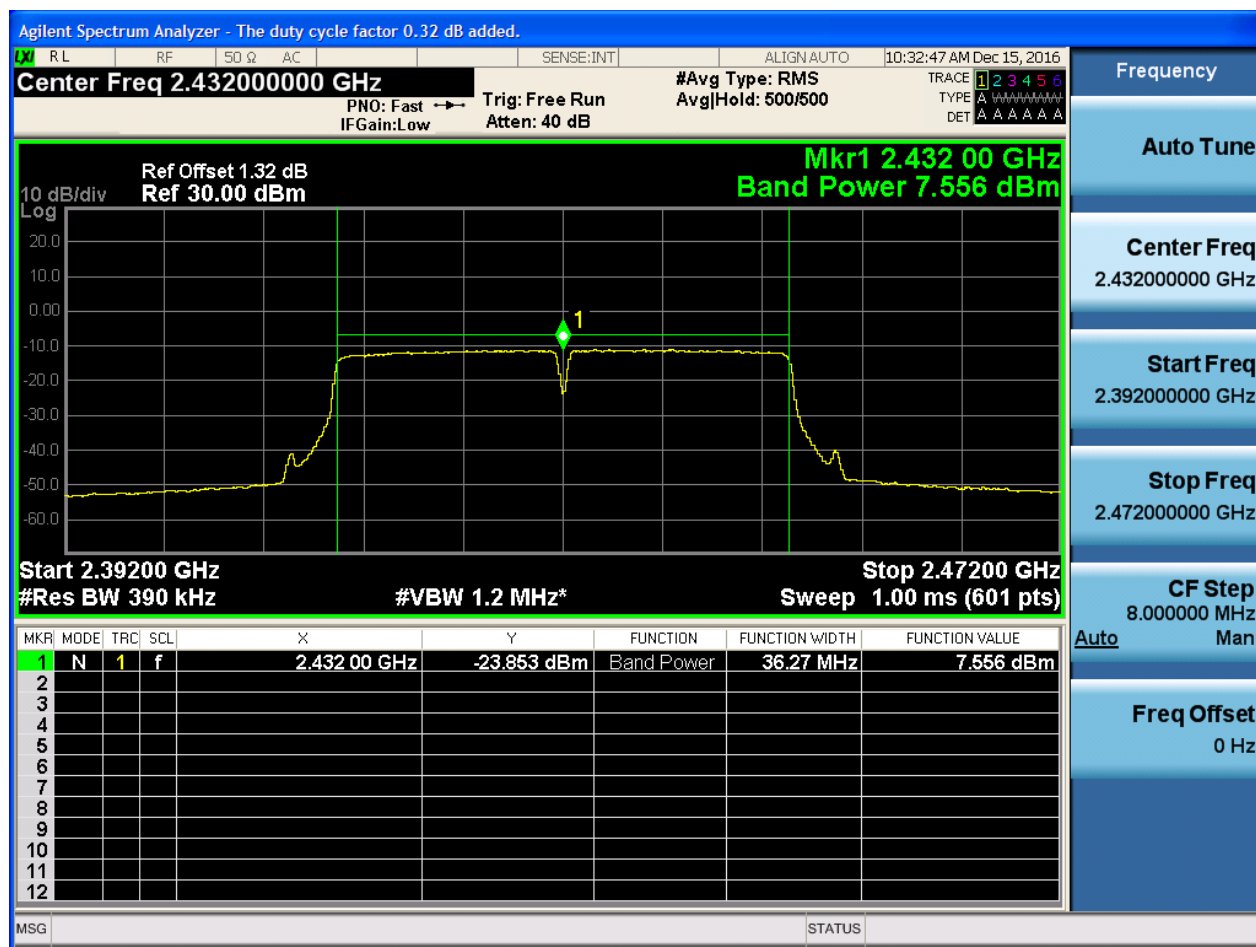


2.22 11N40_M@Ant 2



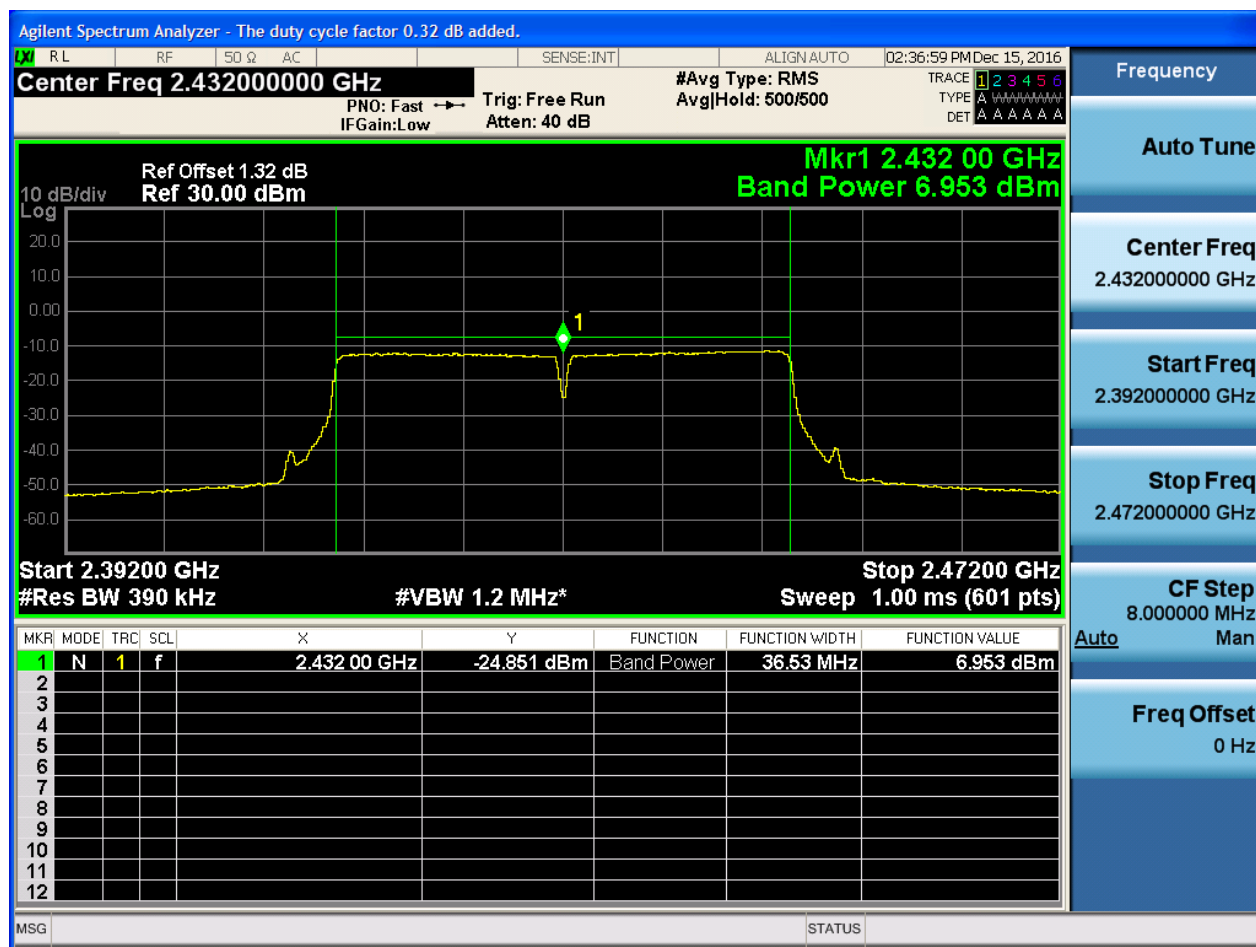


2.23 11N40_H@Ant 1



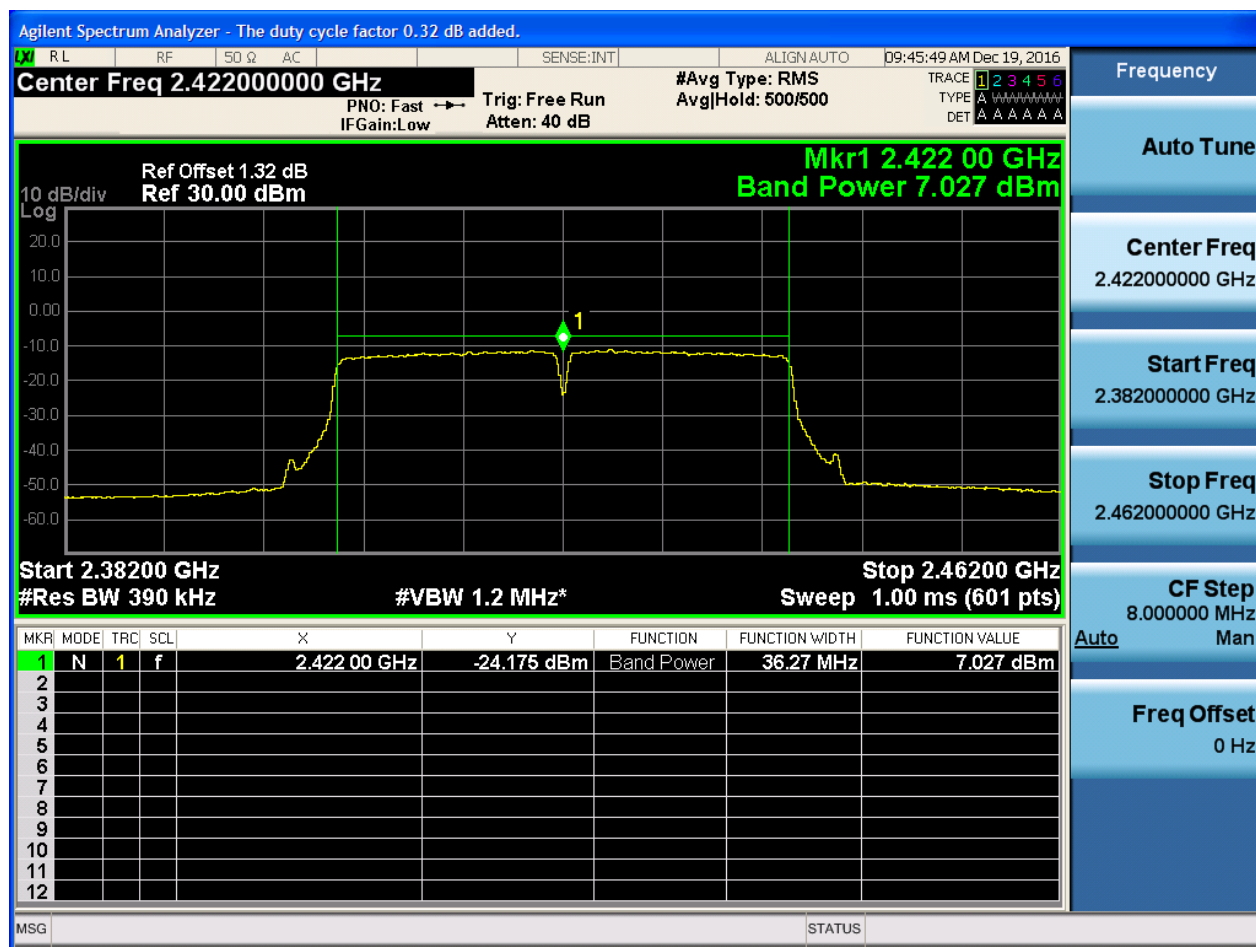


2.24 11N40_H@Ant 2



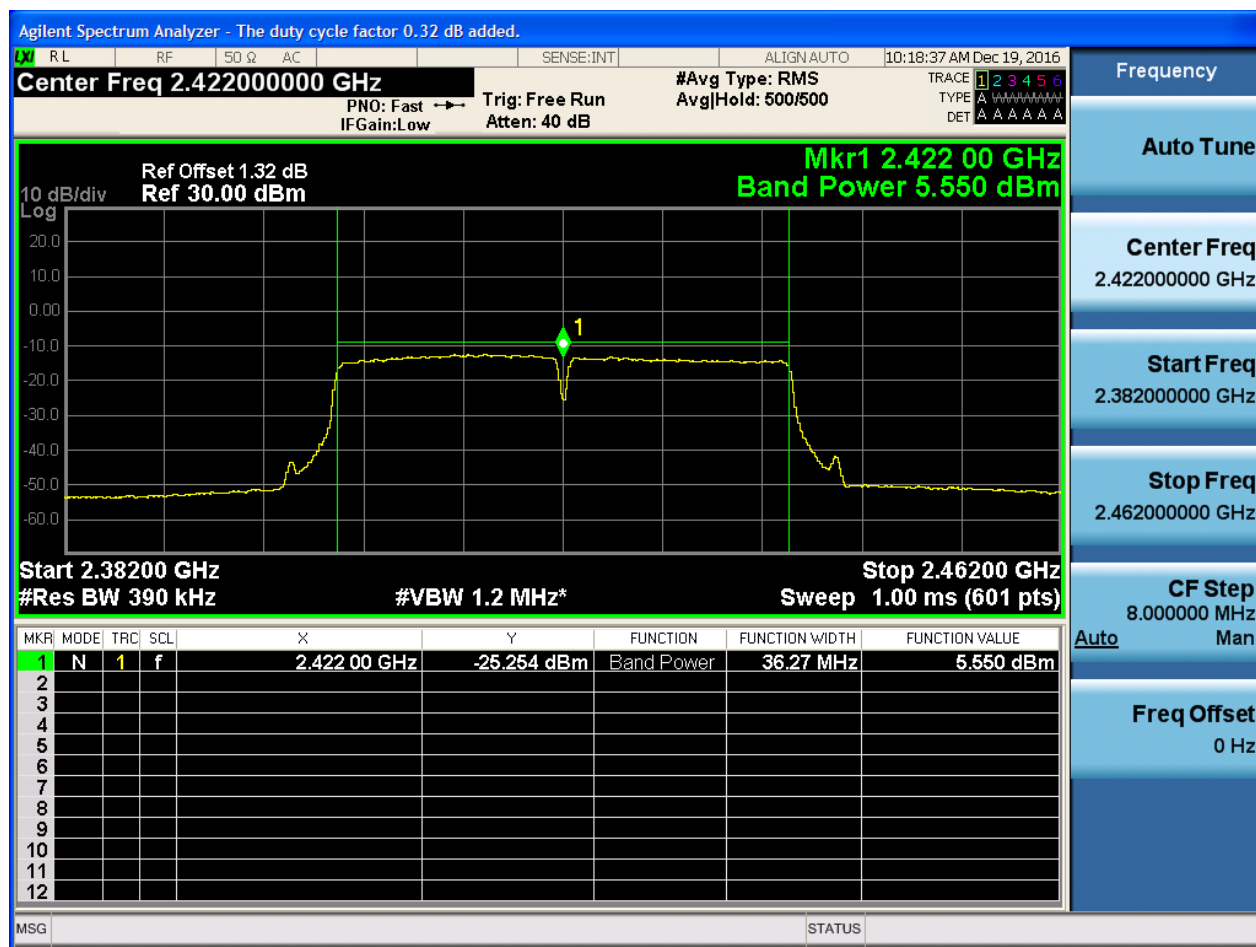


2.31 11N40m_L@Ant 1



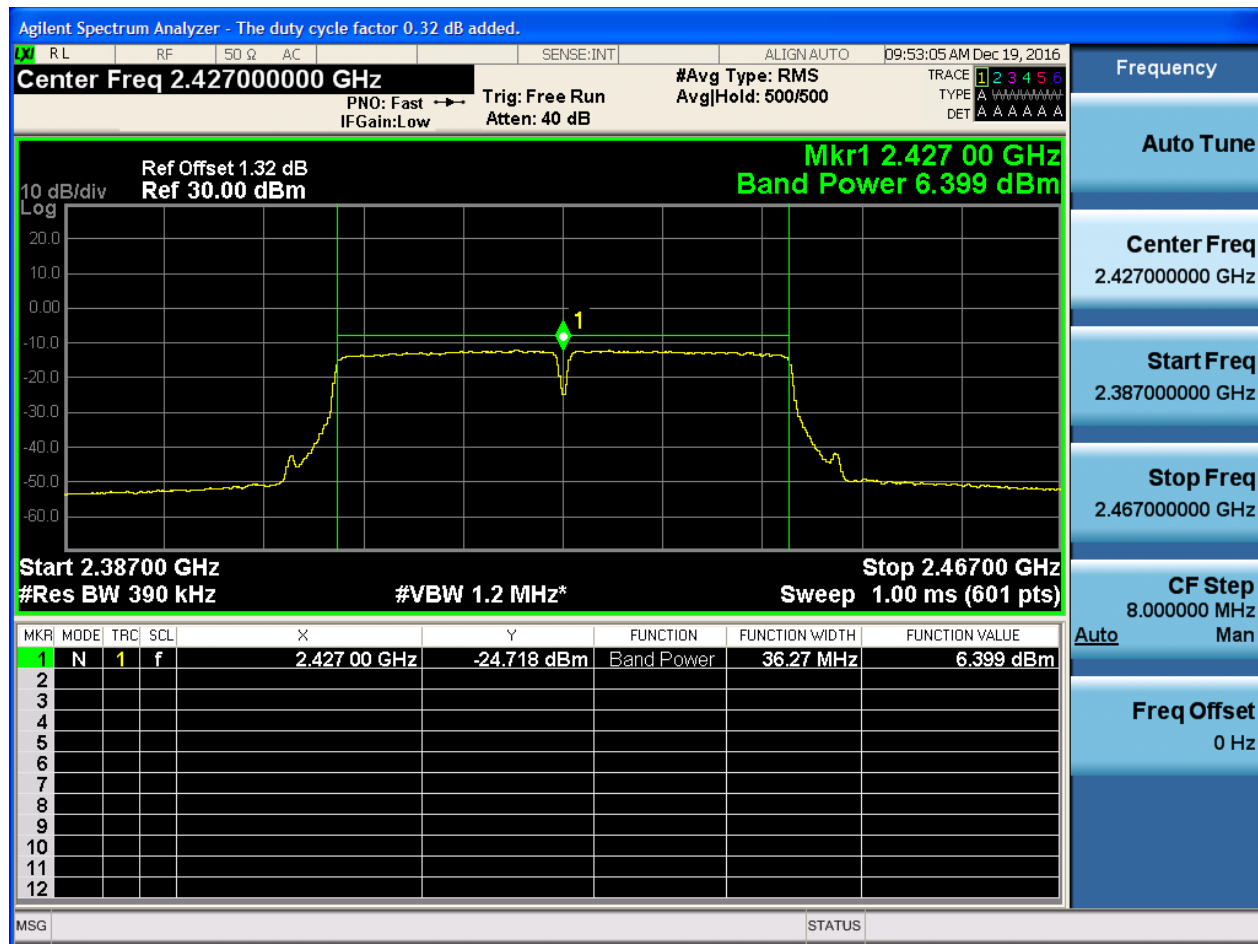


2.32 11N40m_L@Ant 2



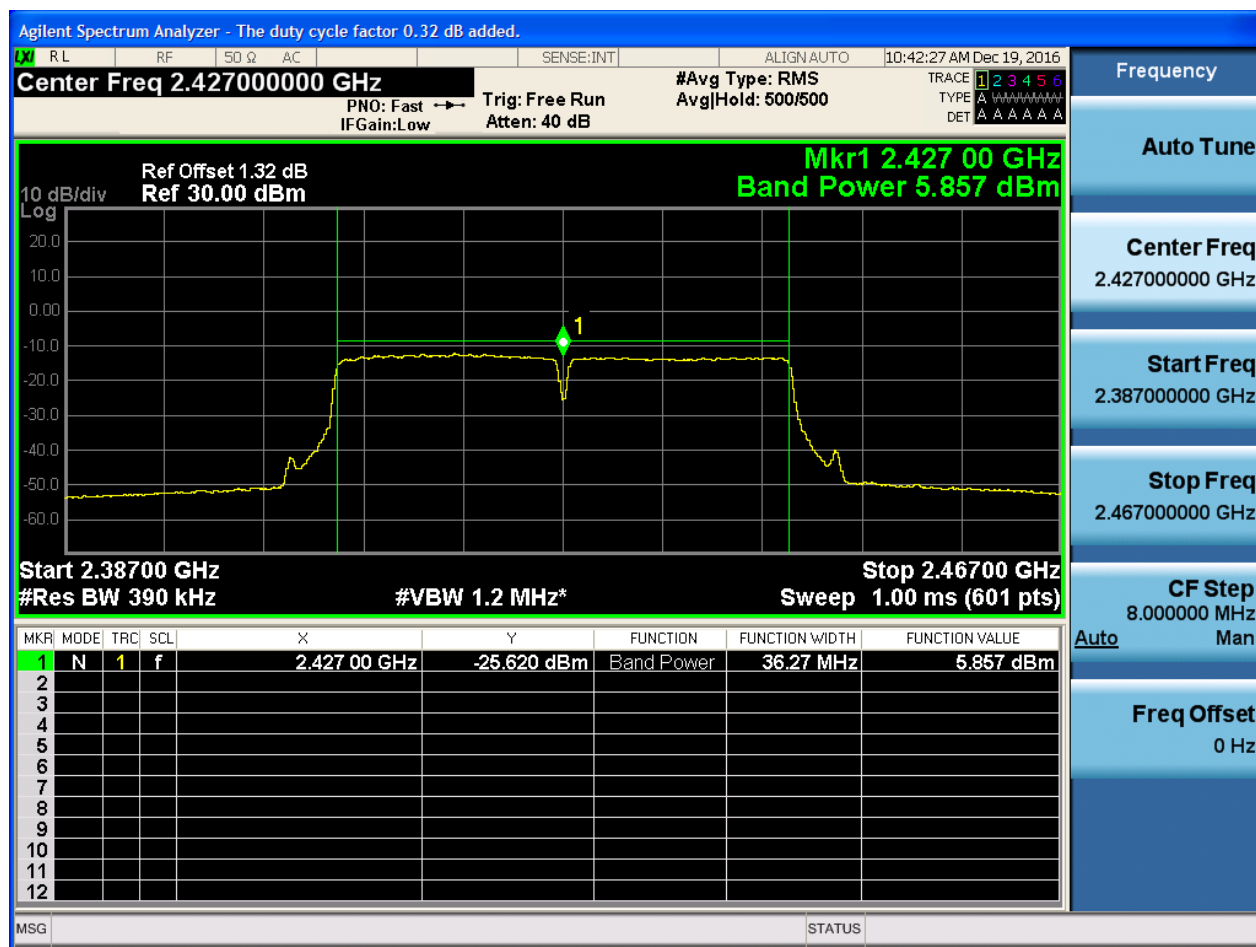


2.33 11N40m_M@Ant 1



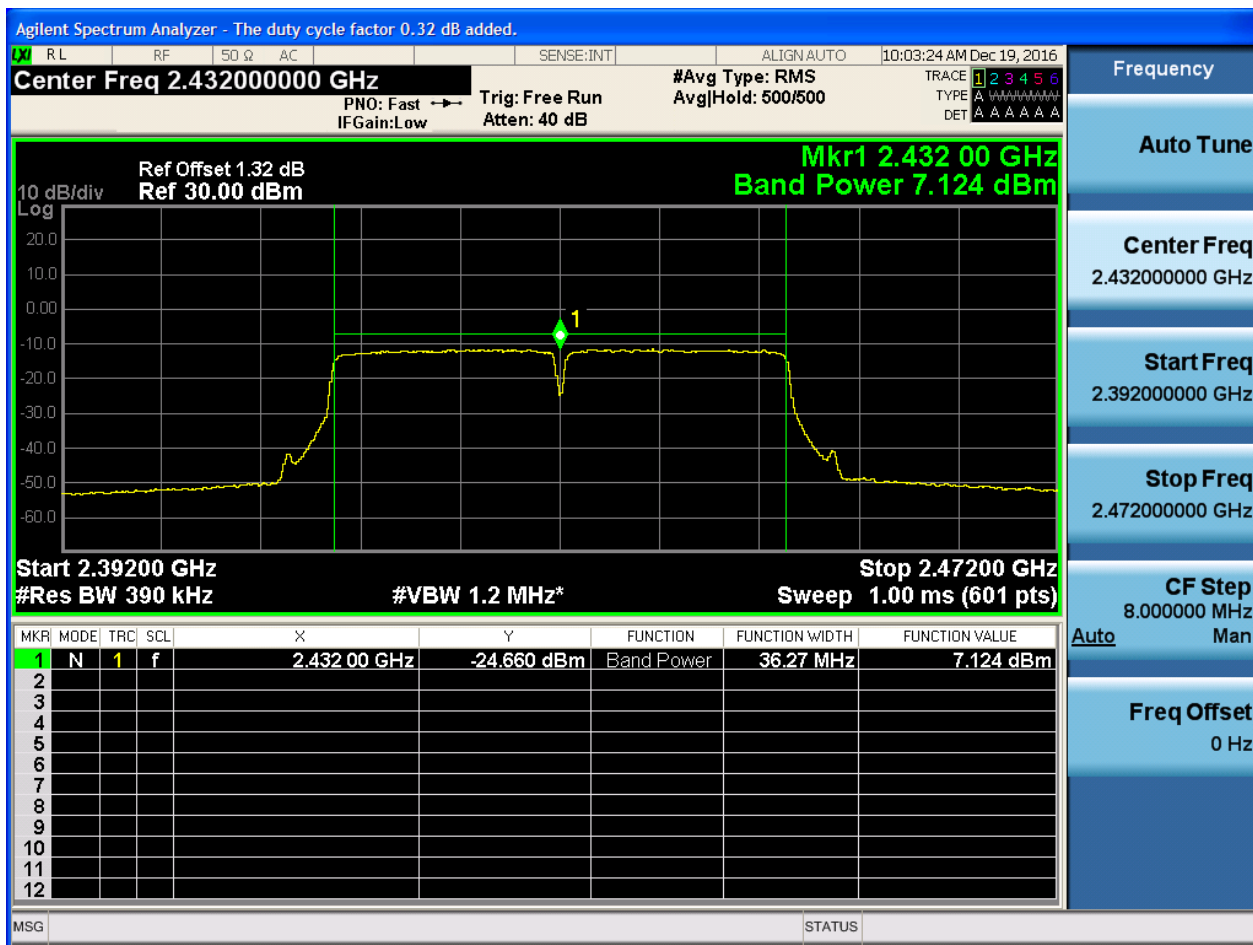


2.34 11N40m_M@Ant 2



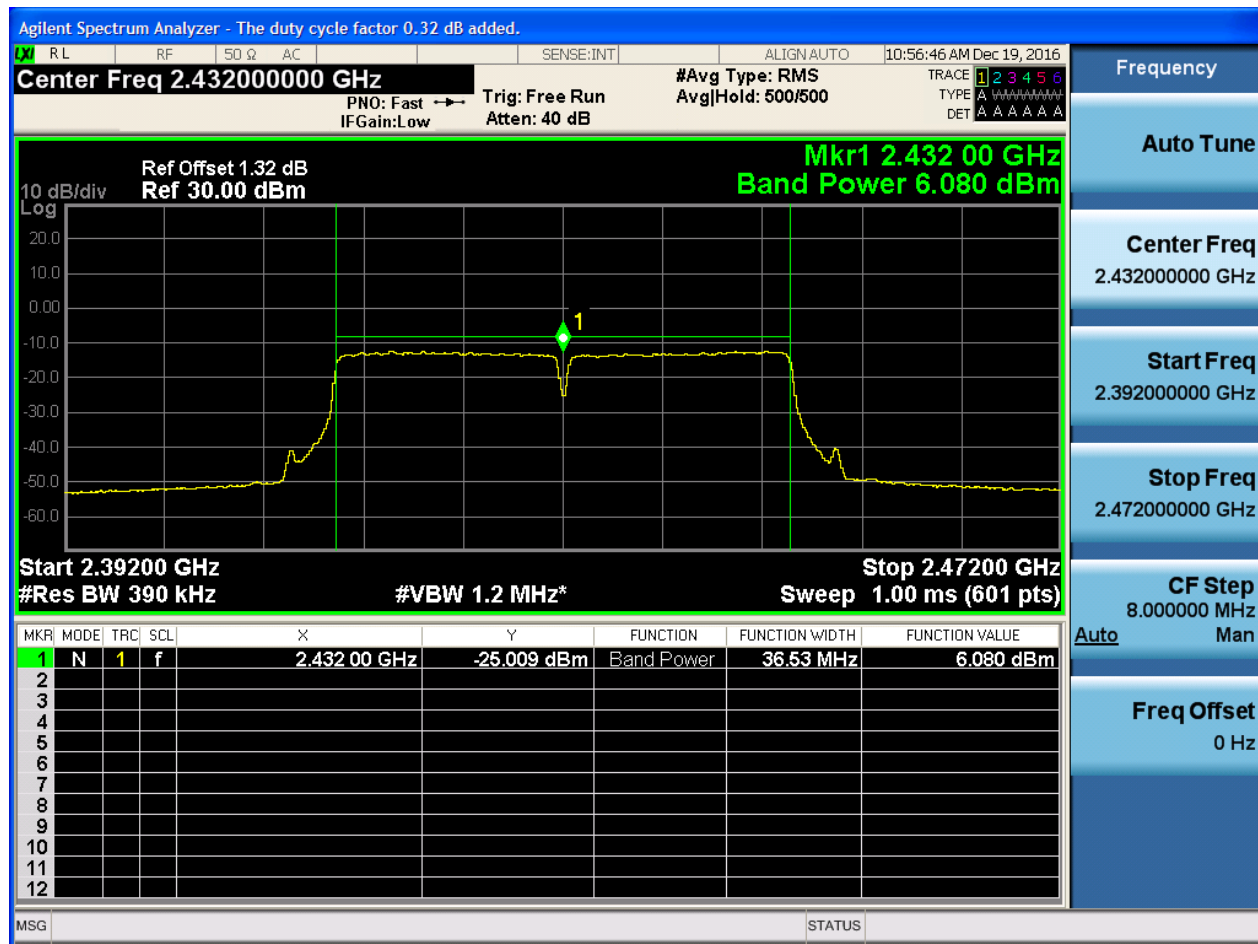


2.35 11N40m_H@Ant 1





2.36 11N40m_H@Ant 2



Appendix E: Maximum Power Spectral Density Level

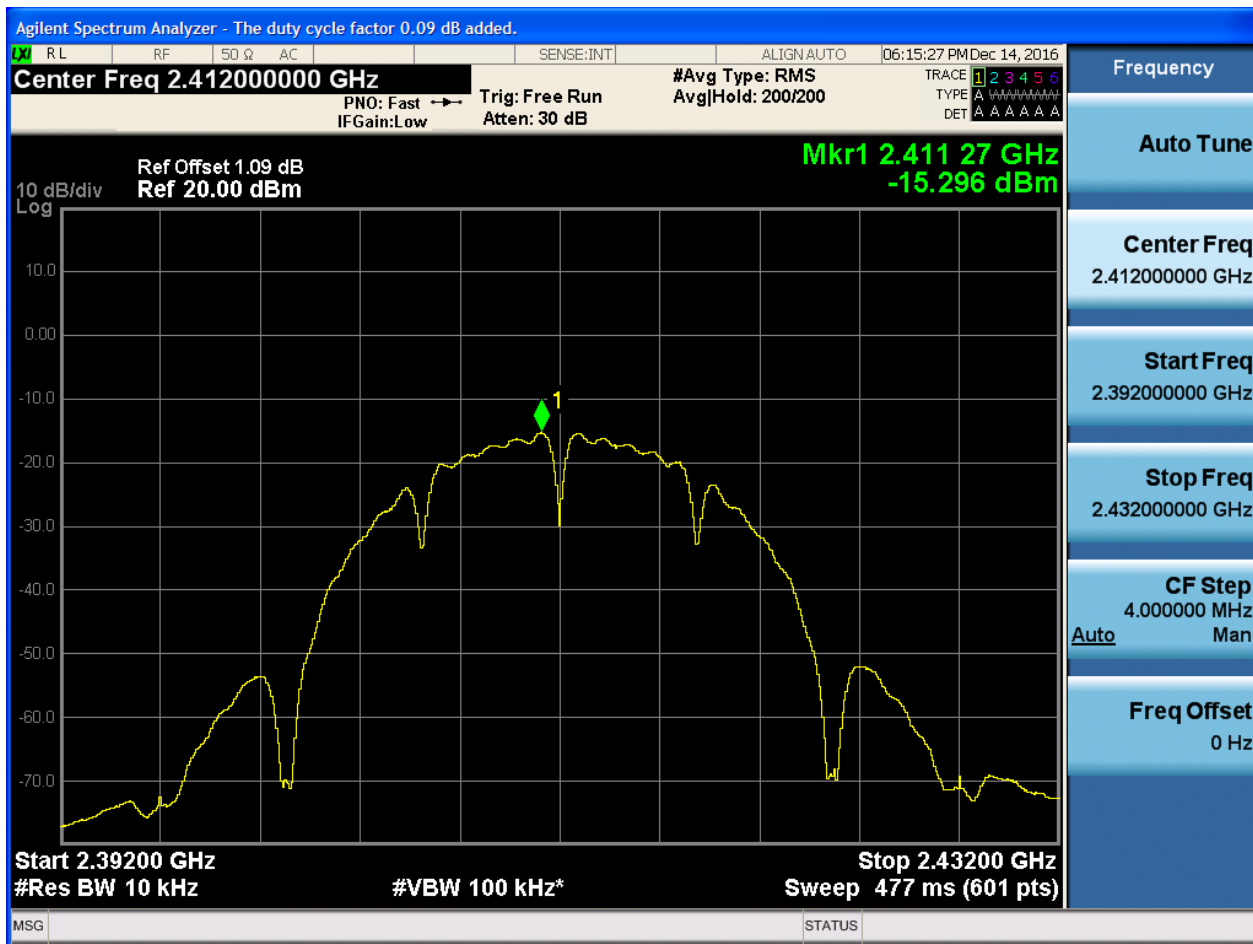
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11B	L	2412	Ant 1	-15.30	pass
11B	L	2412	Ant 2	-15.80	pass
11B	M	2427	Ant 1	-15.06	pass
11B	M	2427	Ant 2	-16.85	pass
11B	H	2442	Ant 1	-15.10	pass
11B	H	2442	Ant 2	-15.30	pass
11G	L	2412	Ant 1	-20.30	pass
11G	L	2412	Ant 2	-20.19	pass
11G	M	2427	Ant 1	-19.96	pass
11G	M	2427	Ant 2	-20.58	pass
11G	H	2442	Ant 1	-19.52	pass
11G	H	2442	Ant 2	-19.25	pass
11N20	L	2412	Ant 1	-22.00	pass
11N20	L	2412	Ant 2	-22.36	pass
11N20	M	2427	Ant 1	-21.79	pass
11N20	M	2427	Ant 2	-22.84	pass
11N20	H	2442	Ant 1	-21.35	pass
11N20	H	2442	Ant 2	-21.42	pass
11N20m	L	2412	Ant 1	-20.70	---
11N20m	L	2412	Ant 2	-21.79	---
11N20m	L	2412	Ant sum	-18.20	pass
11N20m	M	2427	Ant 1	-20.22	---
11N20m	M	2427	Ant 2	-24.46	---
11N20m	M	2427	Ant sum	-18.83	pass
11N20m	H	2442	Ant 1	-22.69	---
11N20m	H	2442	Ant 2	-23.23	---
11N20m	H	2442	Ant sum	-19.94	pass
11N40	L	2422	Ant 1	-25.88	pass
11N40	L	2422	Ant 2	-26.18	pass
11N40	M	2427	Ant 1	-25.88	pass
11N40	M	2427	Ant 2	-26.28	pass
11N40	H	2432	Ant 1	-25.88	pass
11N40	H	2432	Ant 2	-25.97	pass
11N40m	L	2422	Ant 1	-26.30	---
11N40m	L	2422	Ant 2	-27.38	---

Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11N40m	L	2422	Ant sum	-23.80	pass
11N40m	M	2427	Ant 1	-26.79	---
11N40m	M	2427	Ant 2	-27.45	---
11N40m	M	2427	Ant sum	-24.10	pass
11N40m	H	2432	Ant 1	-26.31	---
11N40m	H	2432	Ant 2	-27.32	---
11N40m	H	2432	Ant sum	-23.78	pass

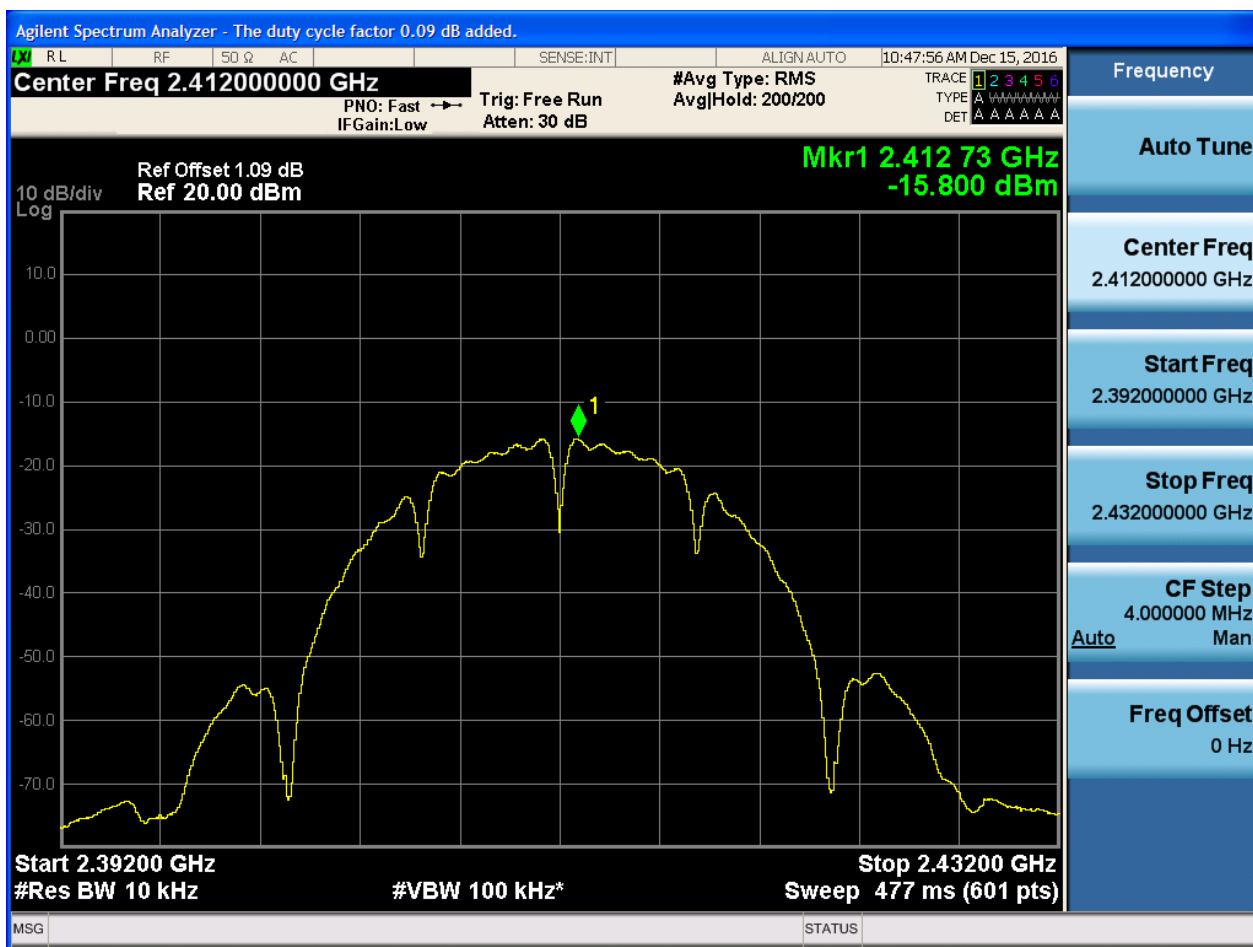
Part II - Test Plots

2.1 11B_L@Ant 1



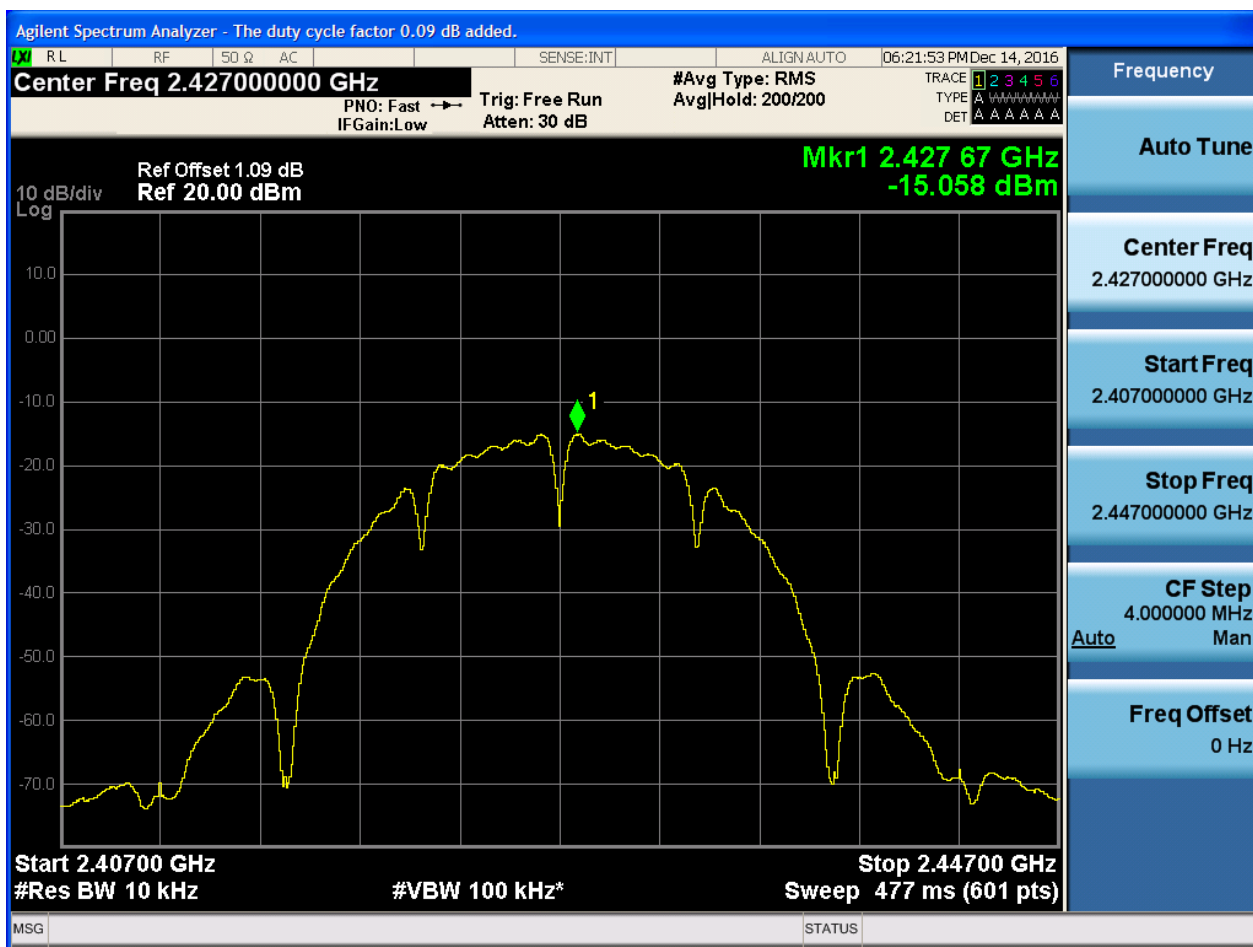


2.2 11B_L@Ant 2



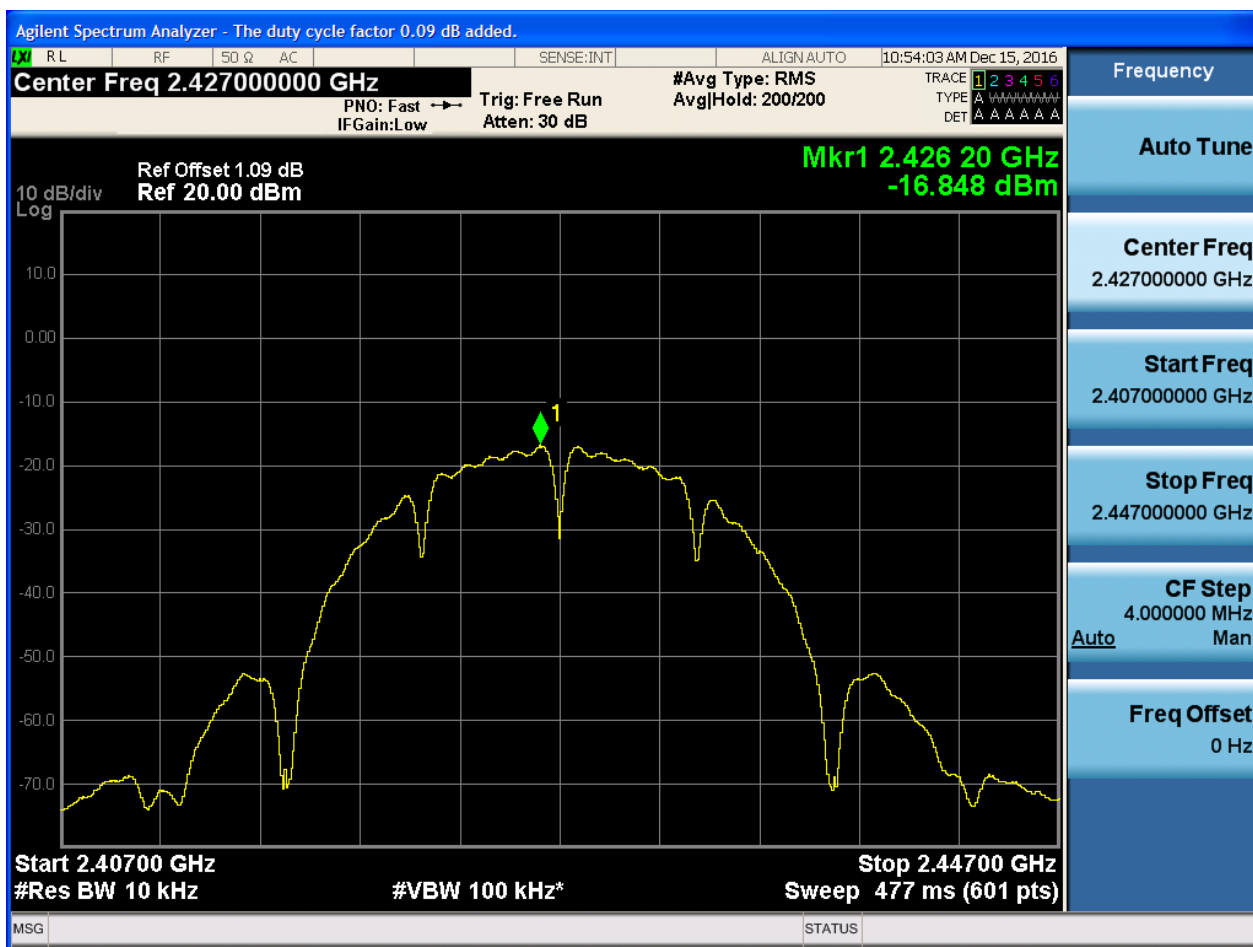


2.3 11B_M@Ant 1



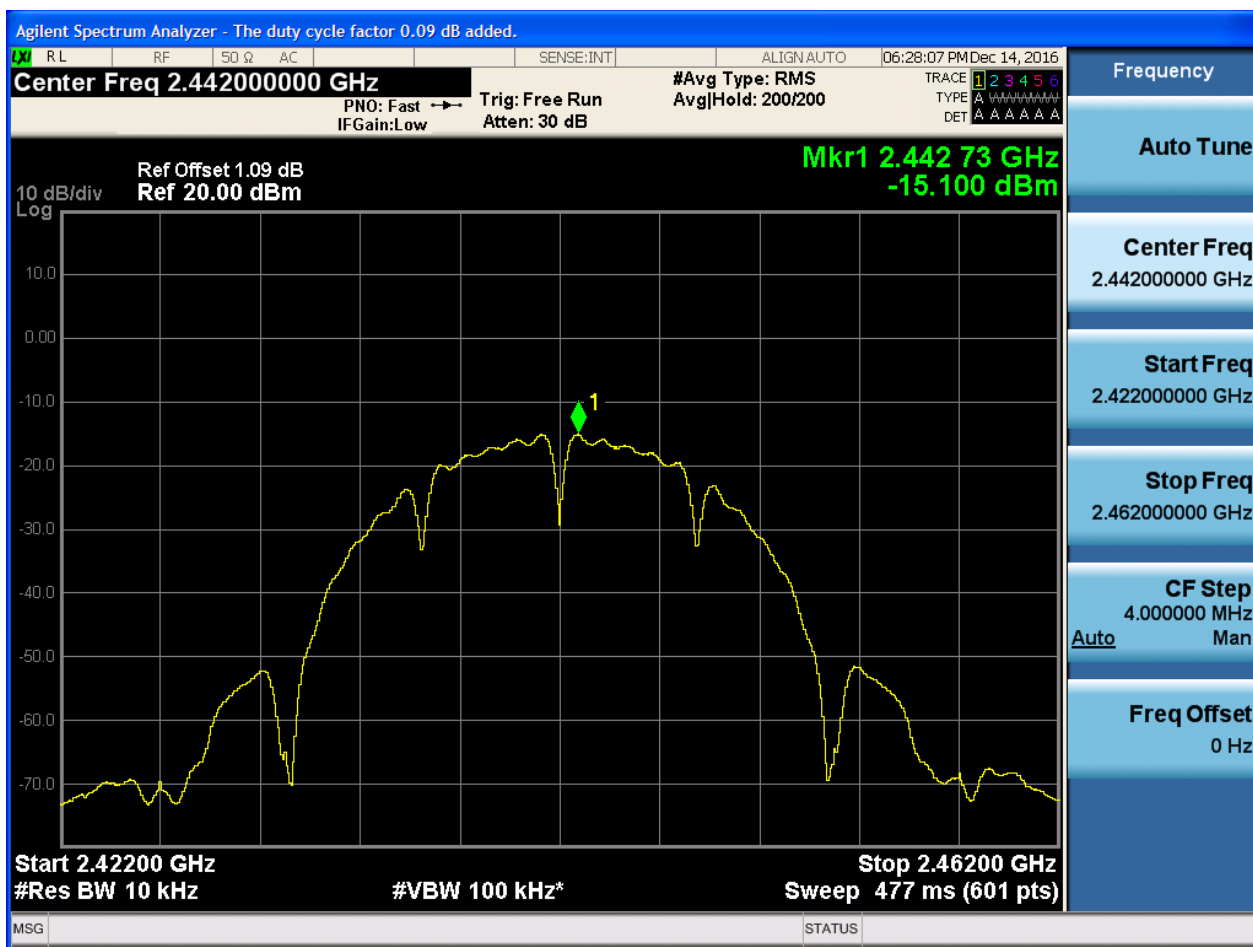


2.4 11B_M@Ant 2



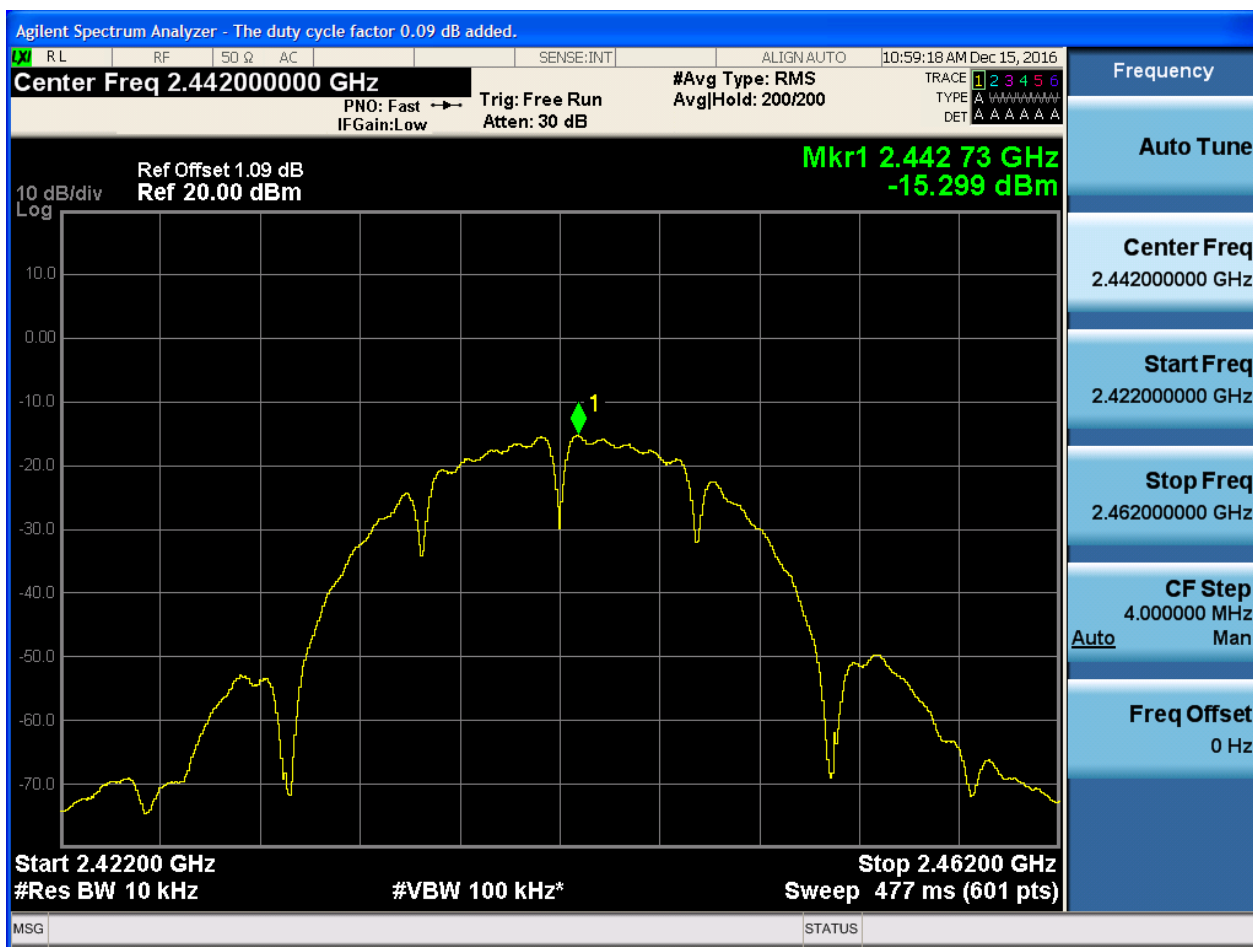


2.5 11B_H@Ant 1



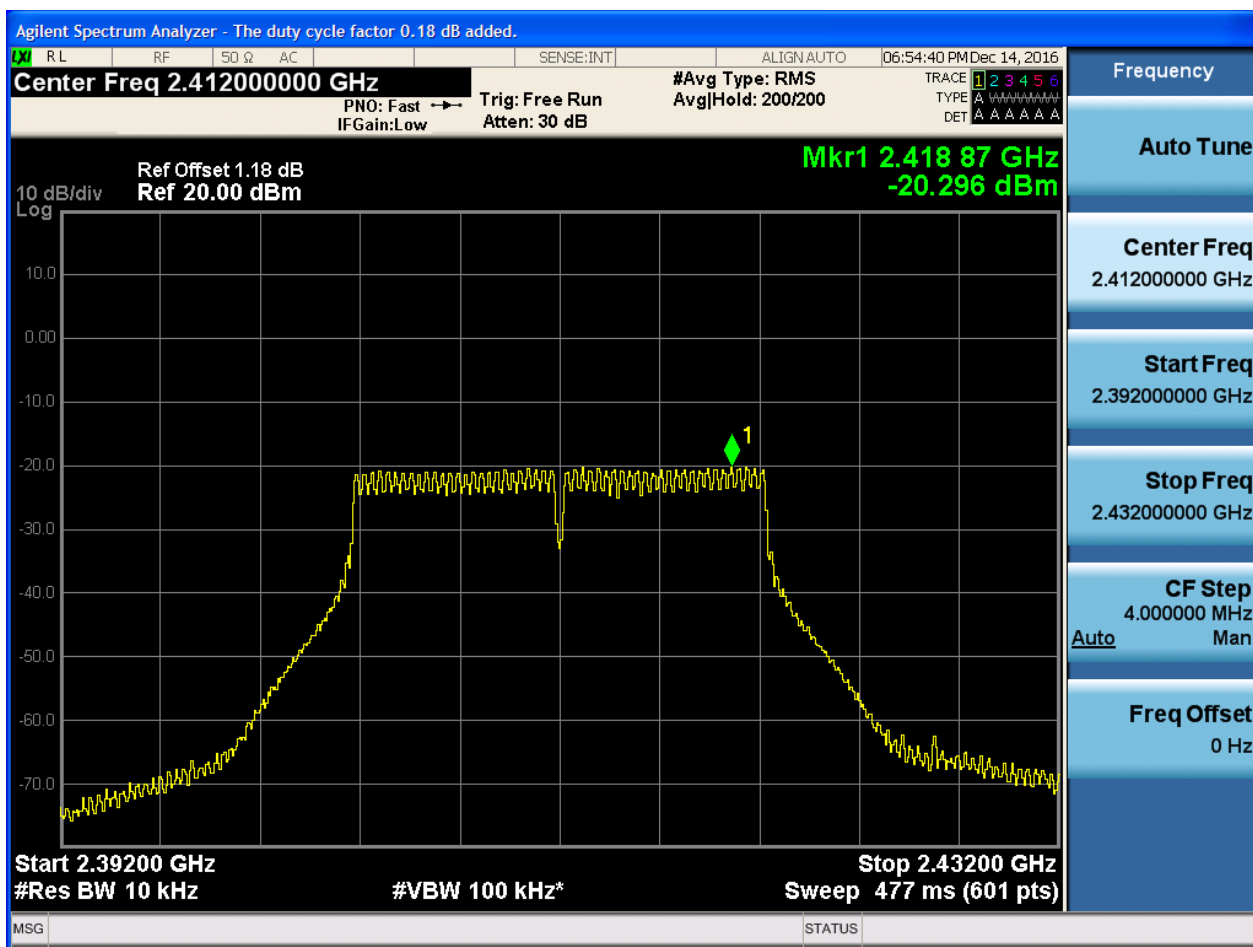


2.6 11B_H@Ant 2



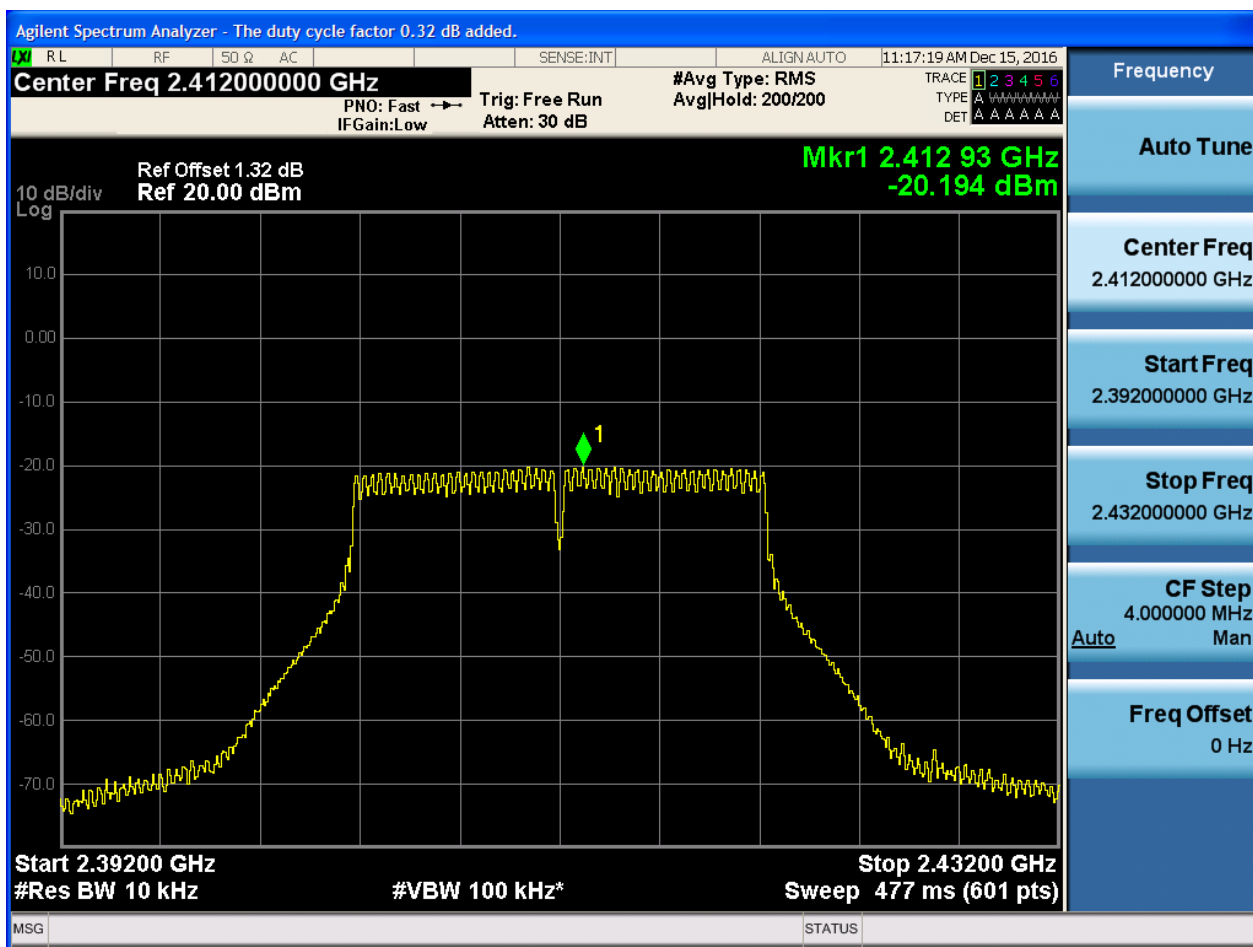


2.7 11G_L@Ant 1



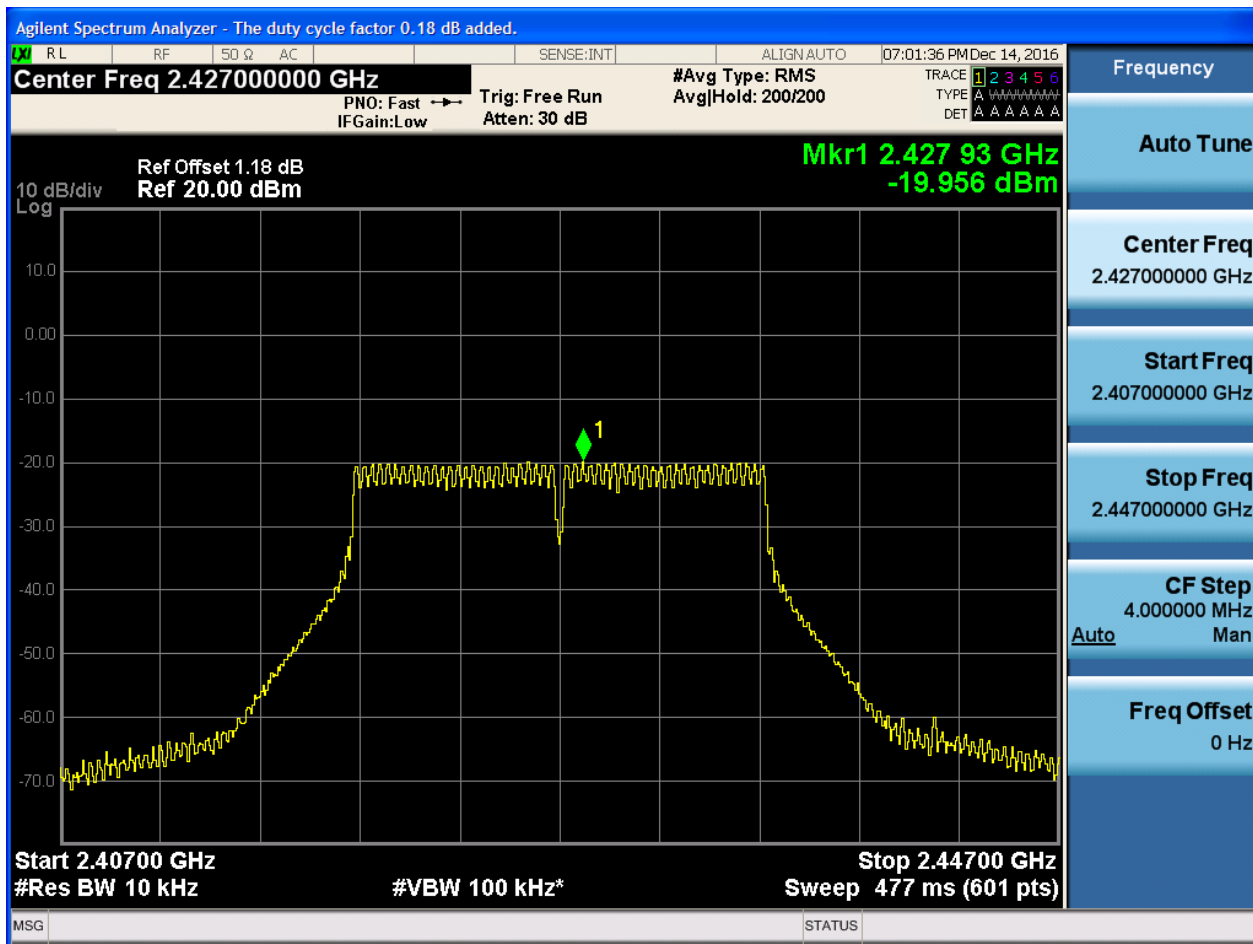


2.8 11G_L@Ant 2



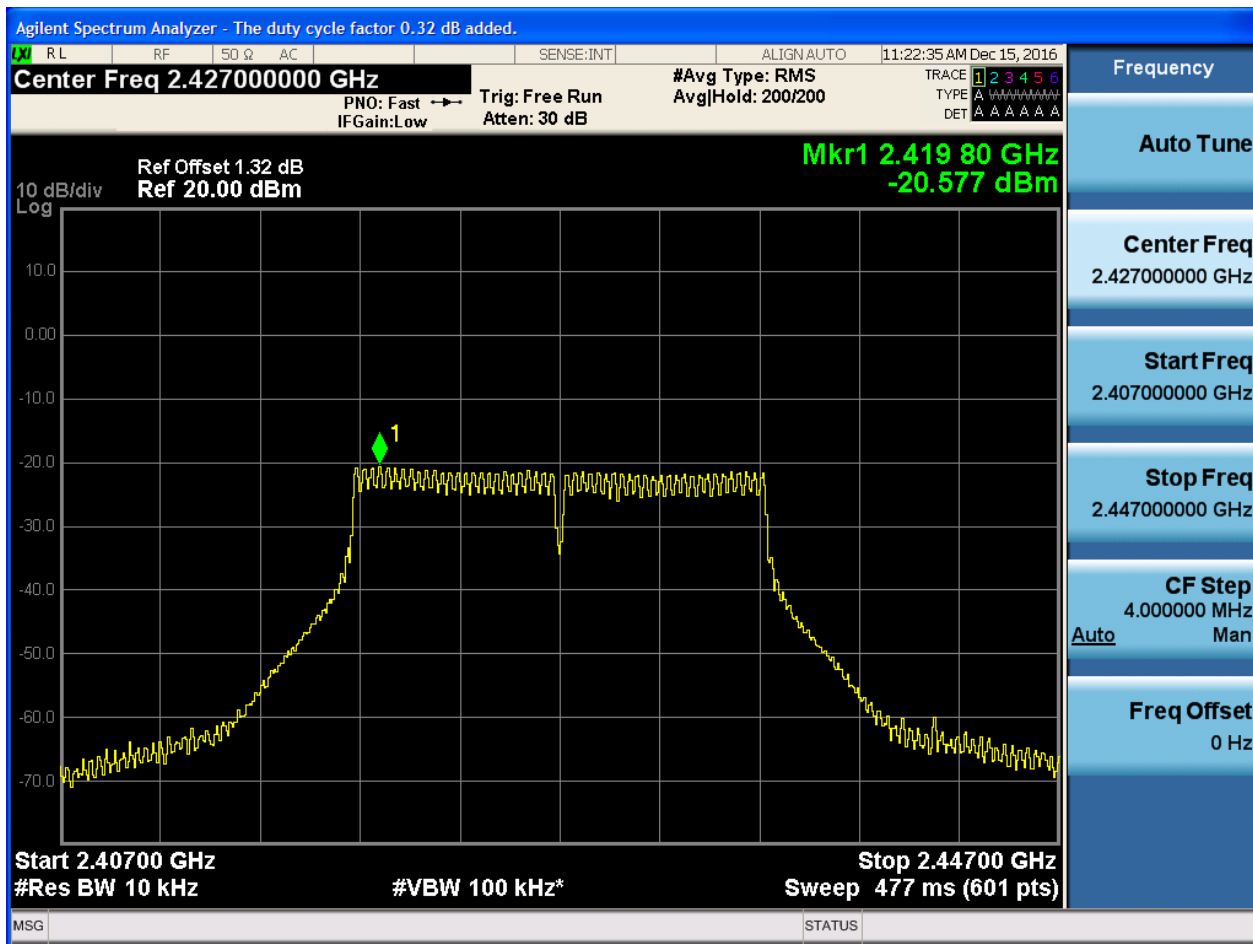


2.9 11G_M@Ant 1



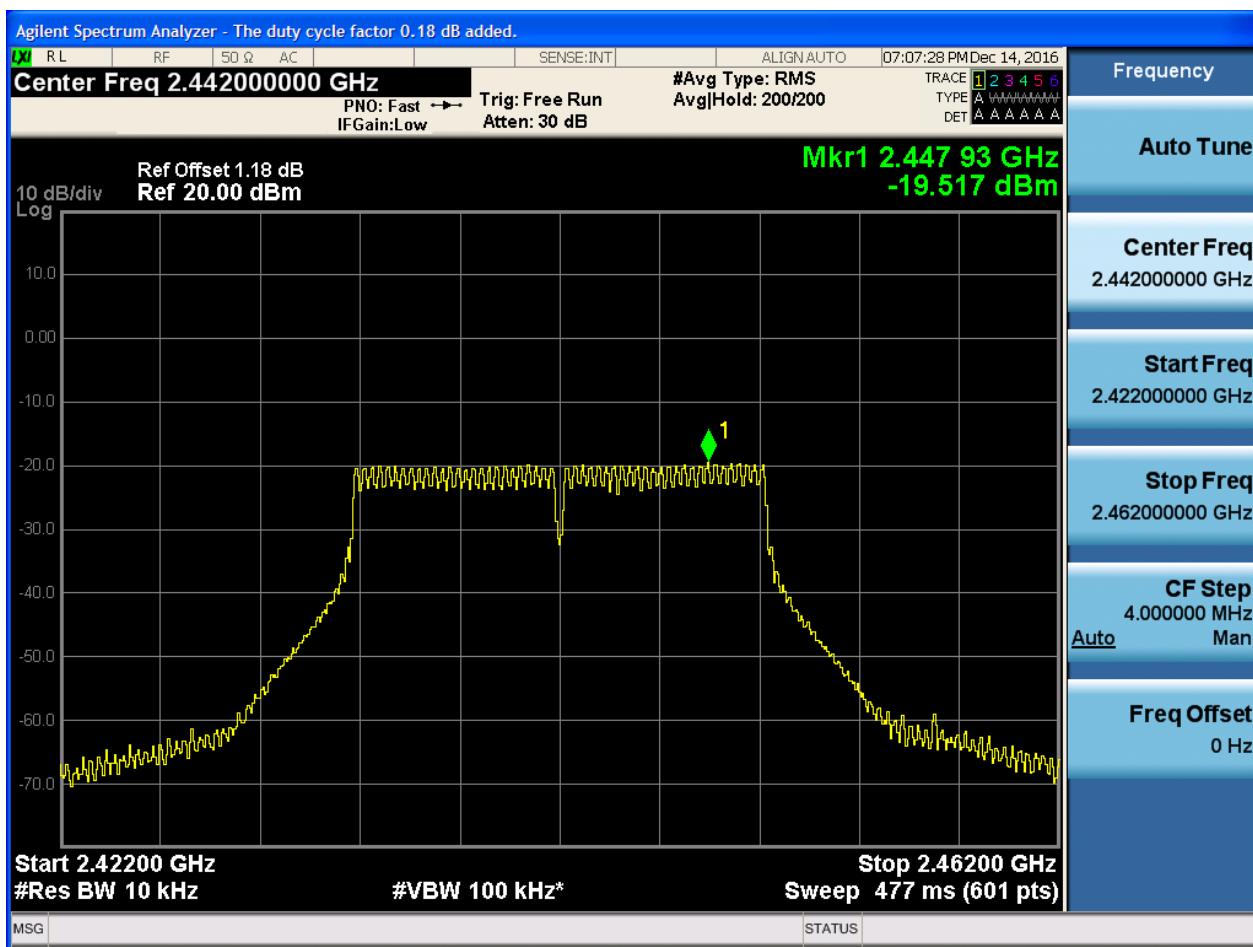


2.10 11G_M@Ant 2



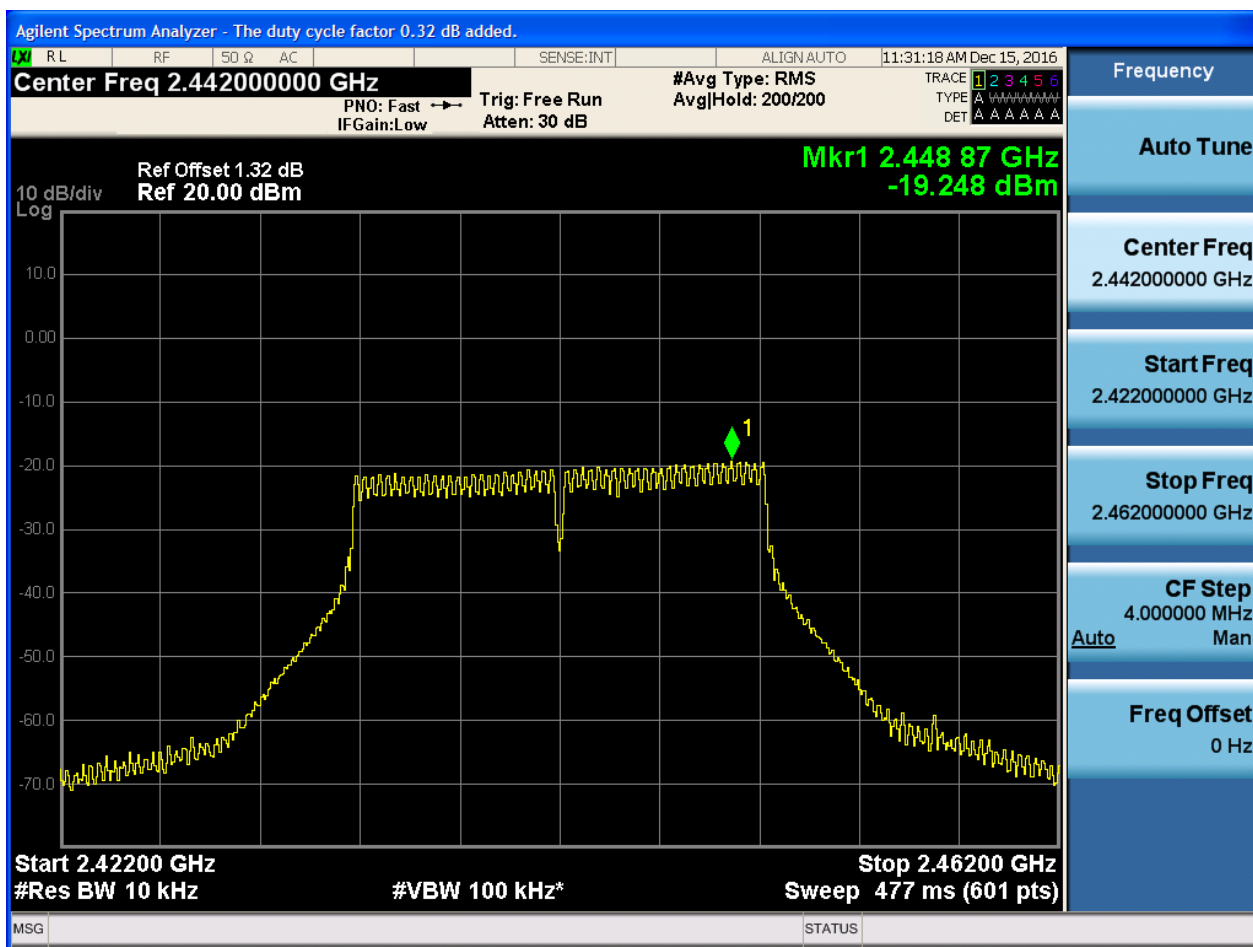


2.11 11G_H@Ant 1



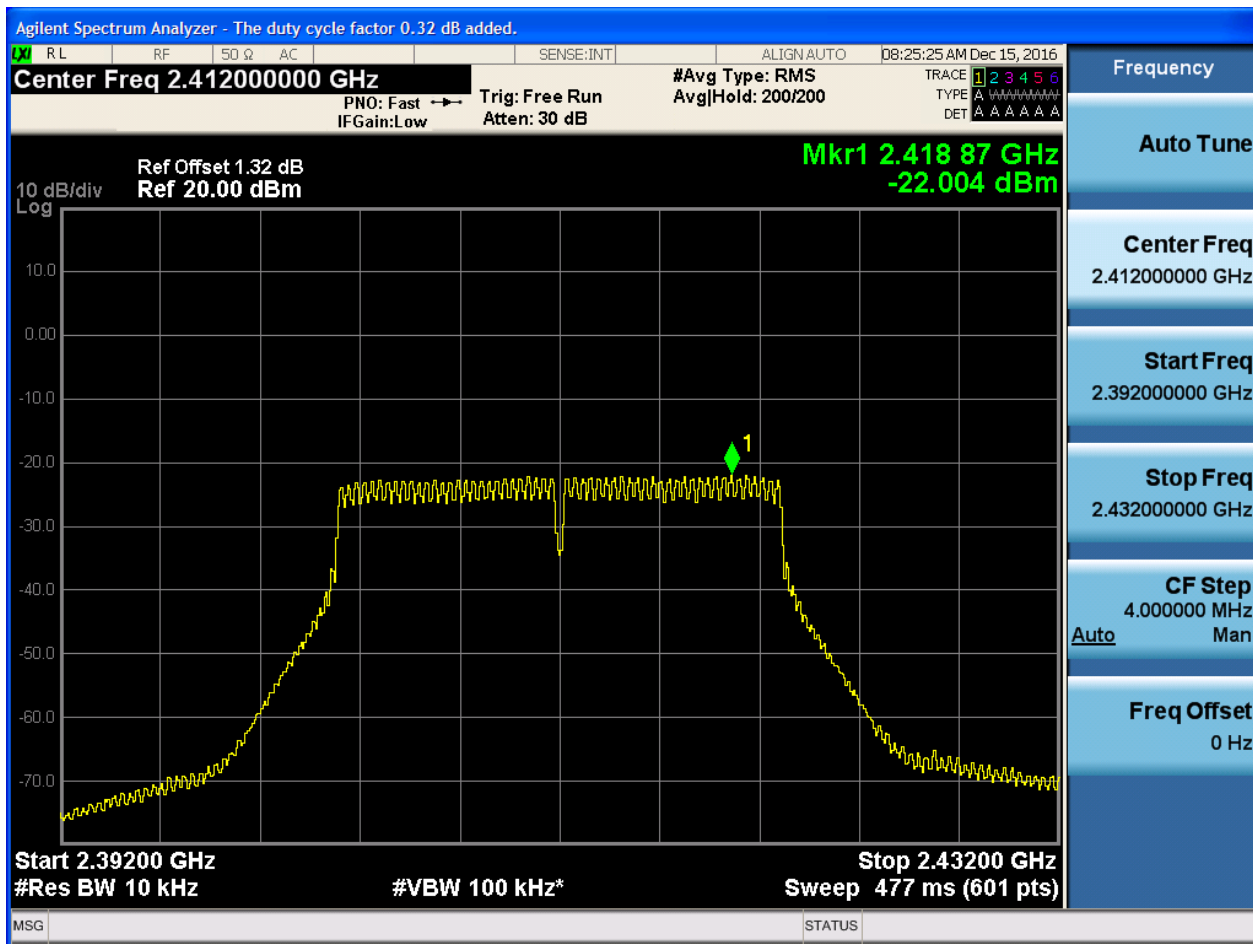


2.12 11G_H@Ant 2



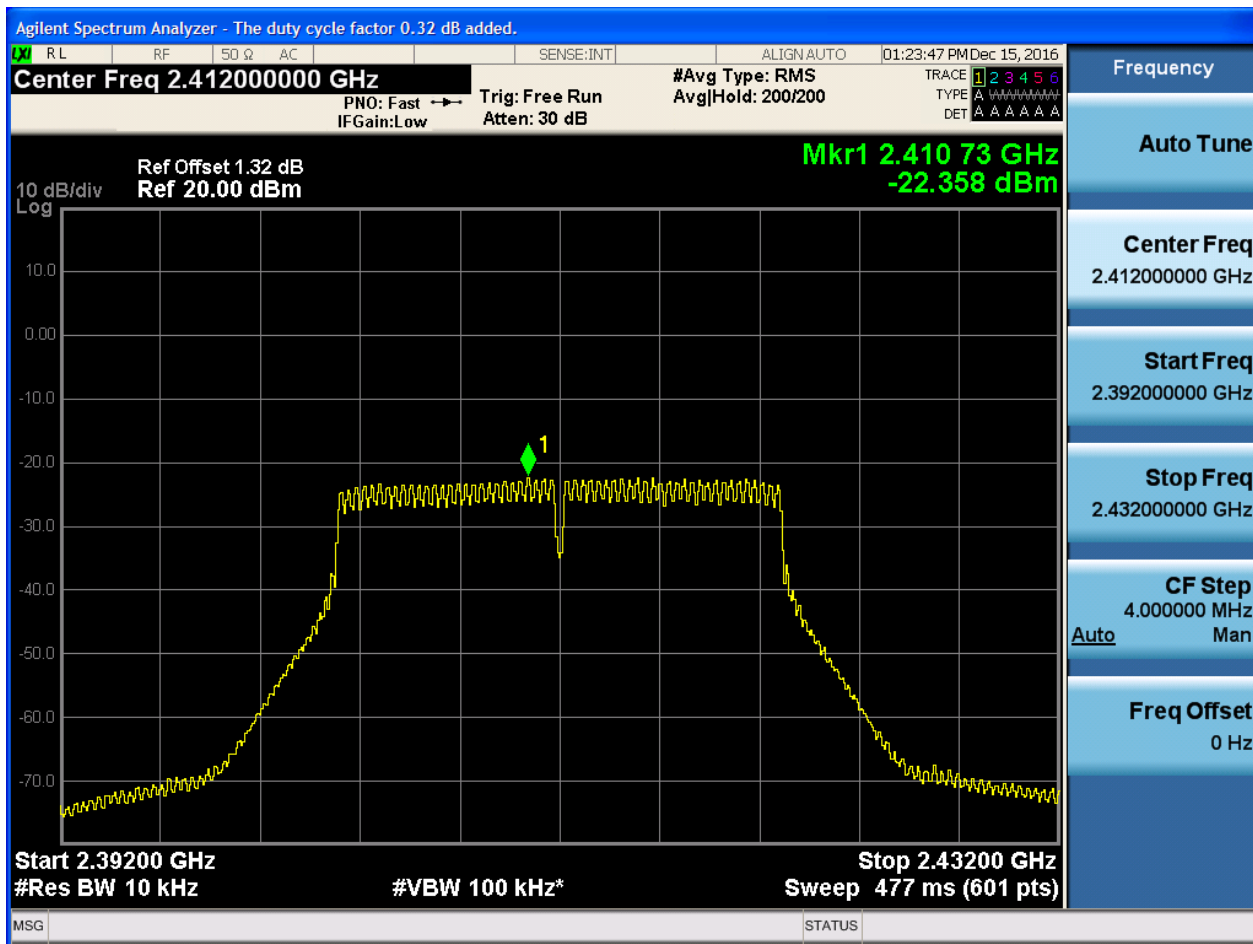


2.13 11N20_L@Ant 1



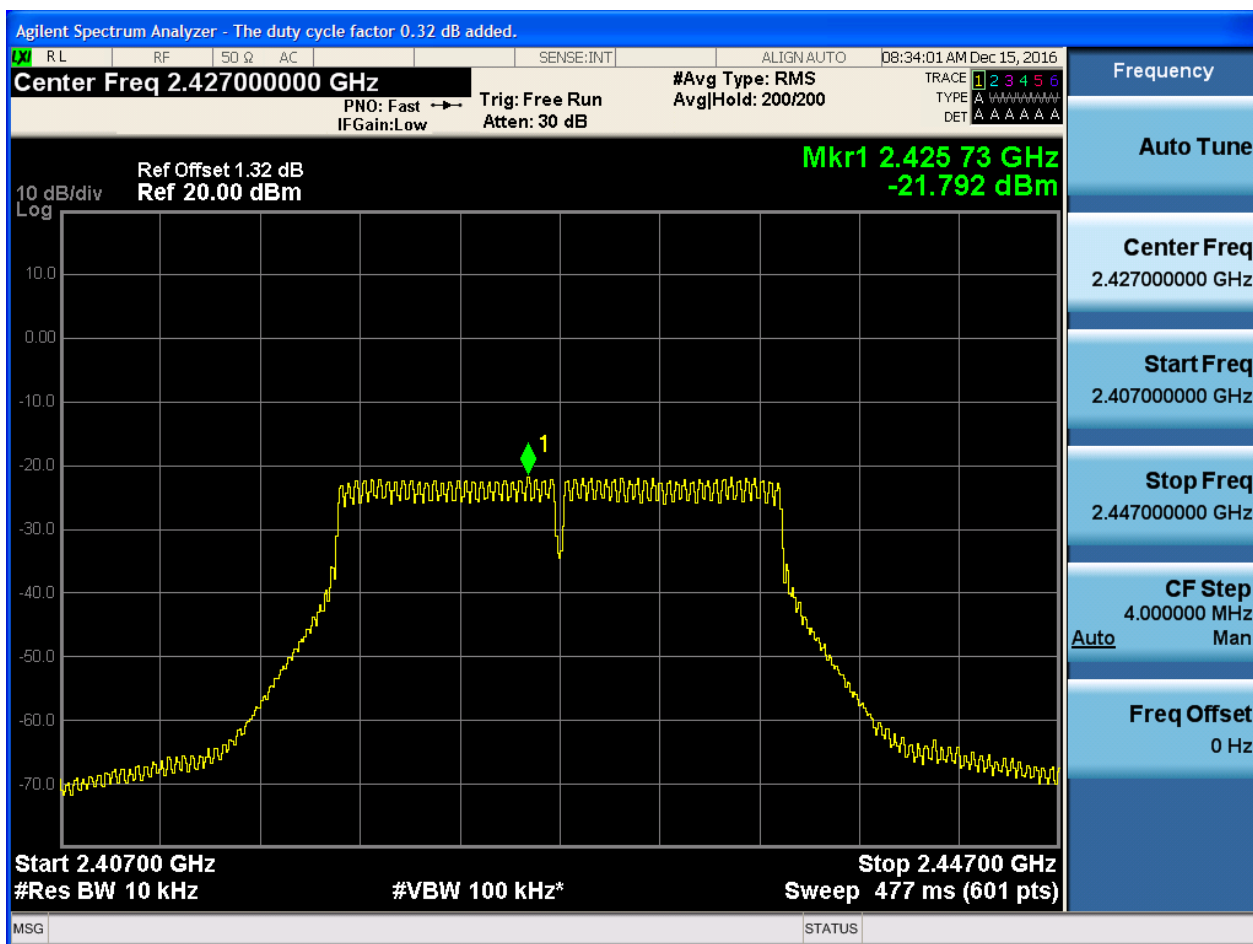


2.14 11N20_L@Ant 2



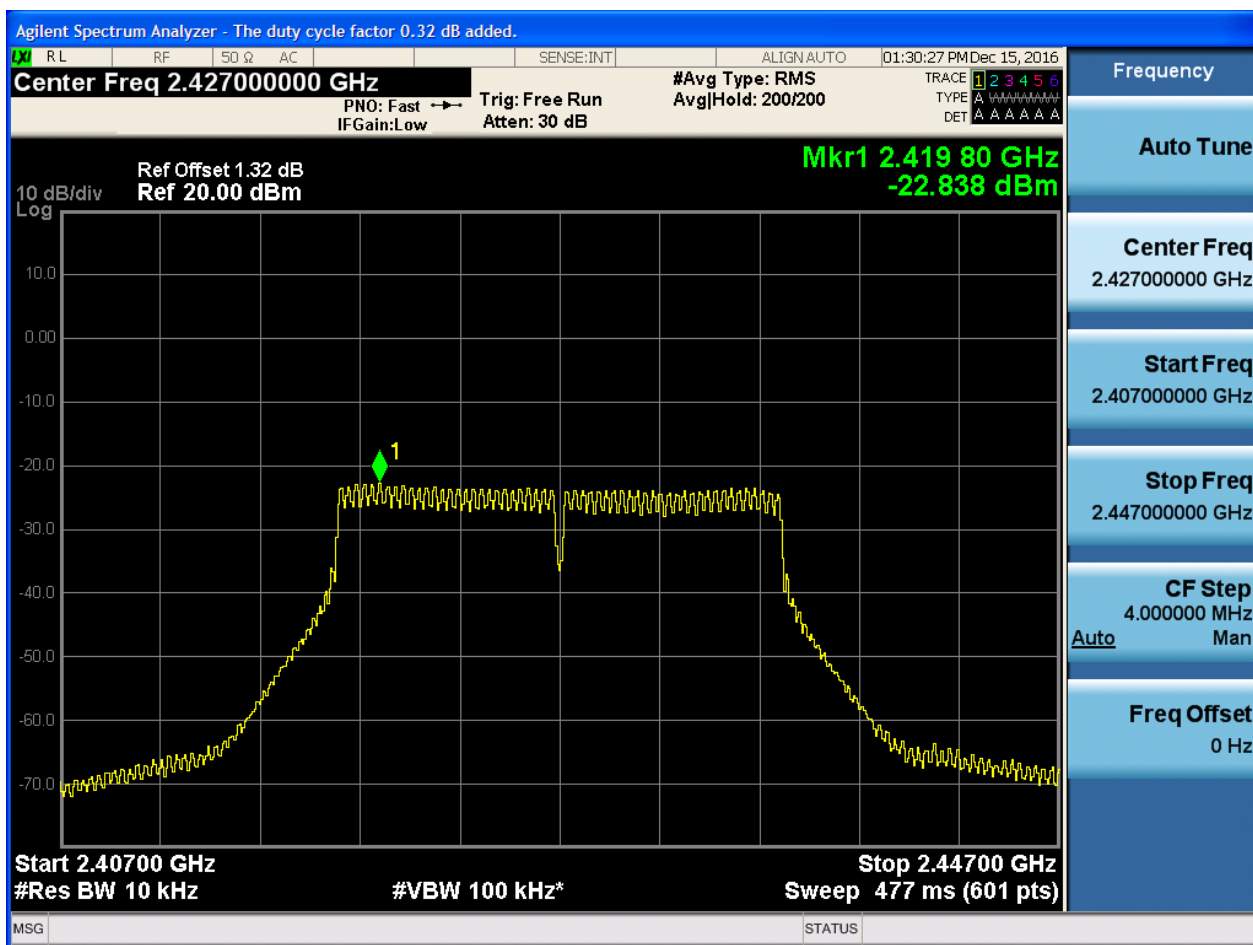


2.15 11N20_M@Ant 1



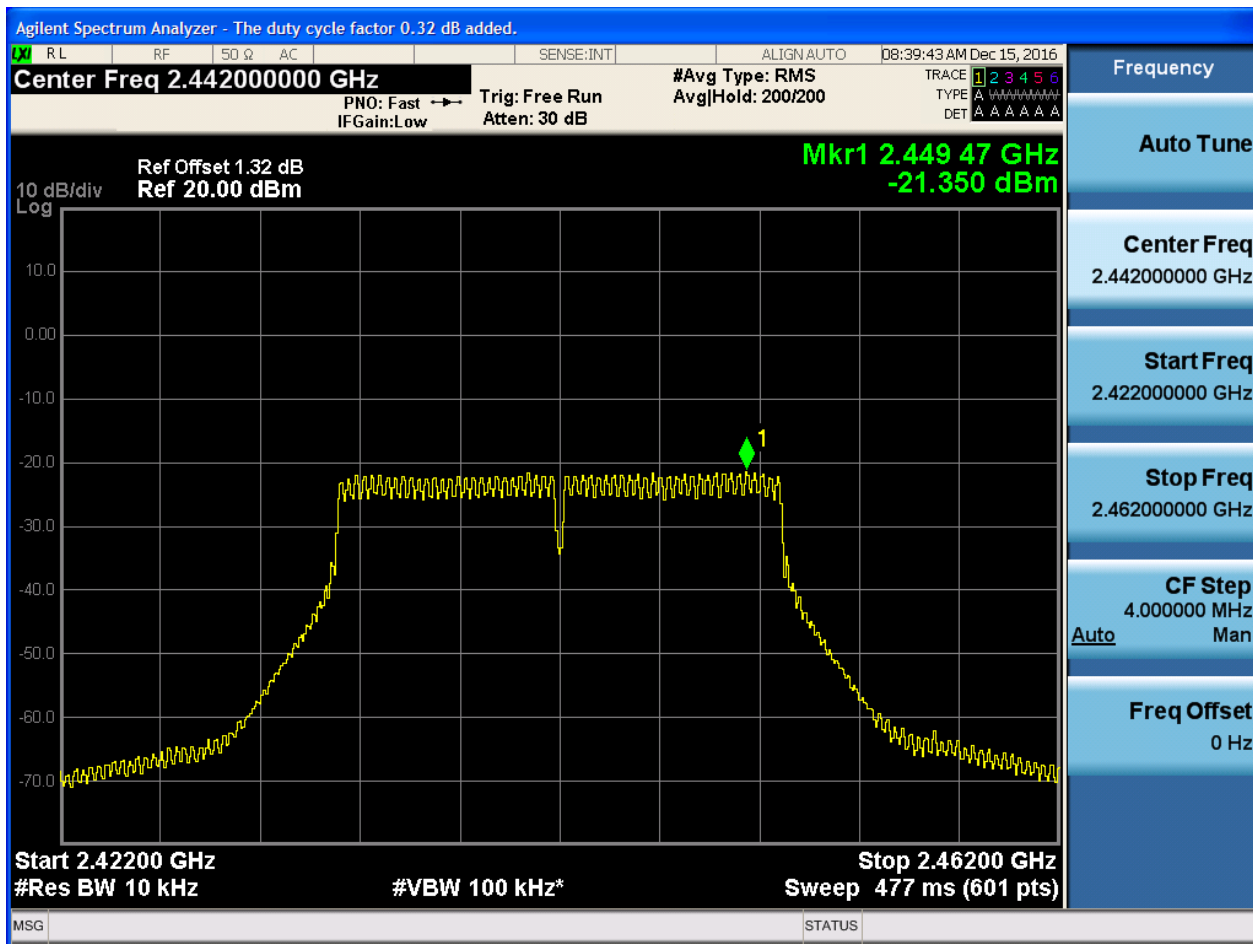


2.16 11N20_M@Ant 2



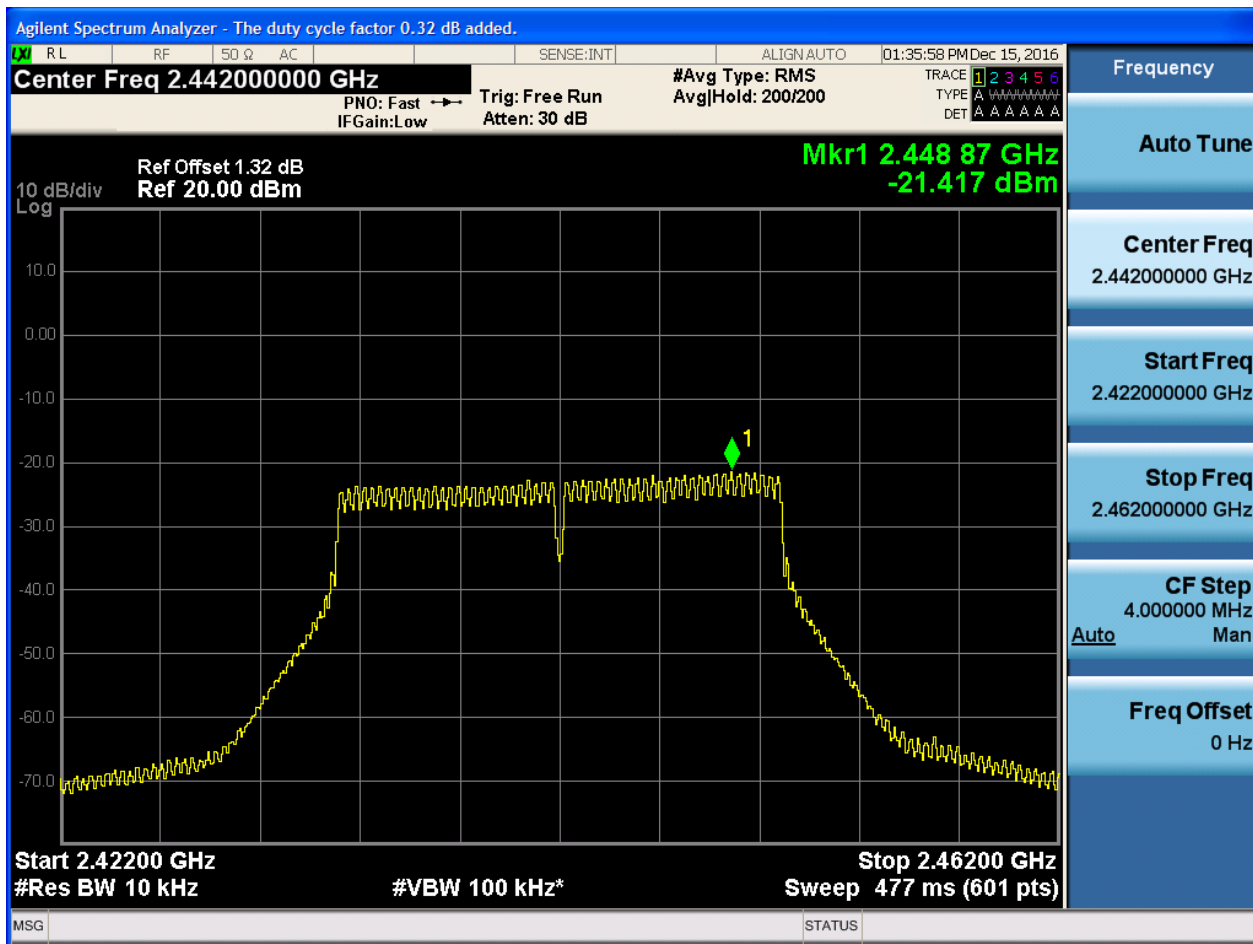


2.17 11N20_H@Ant 1



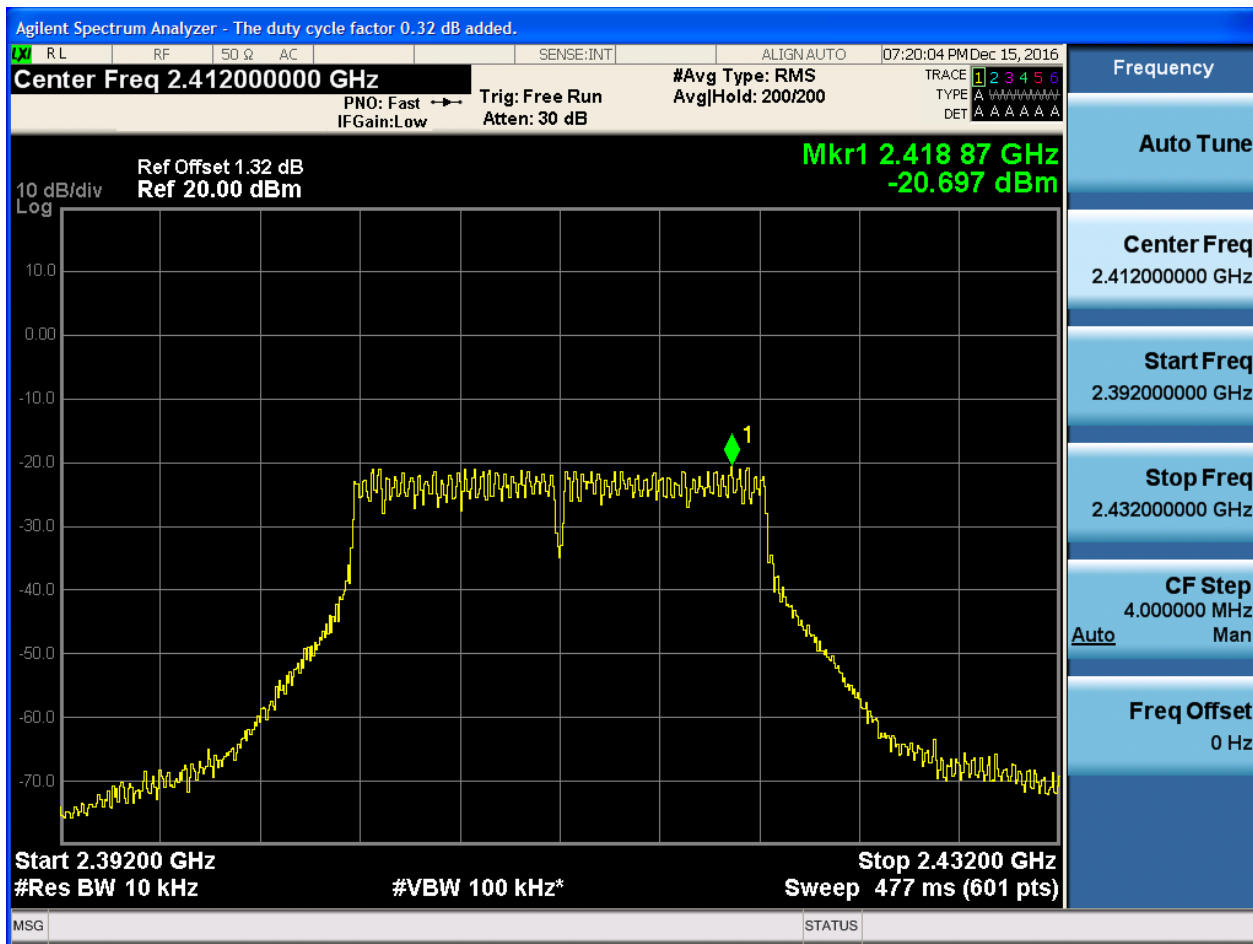


2.18 11N20_H@Ant 2



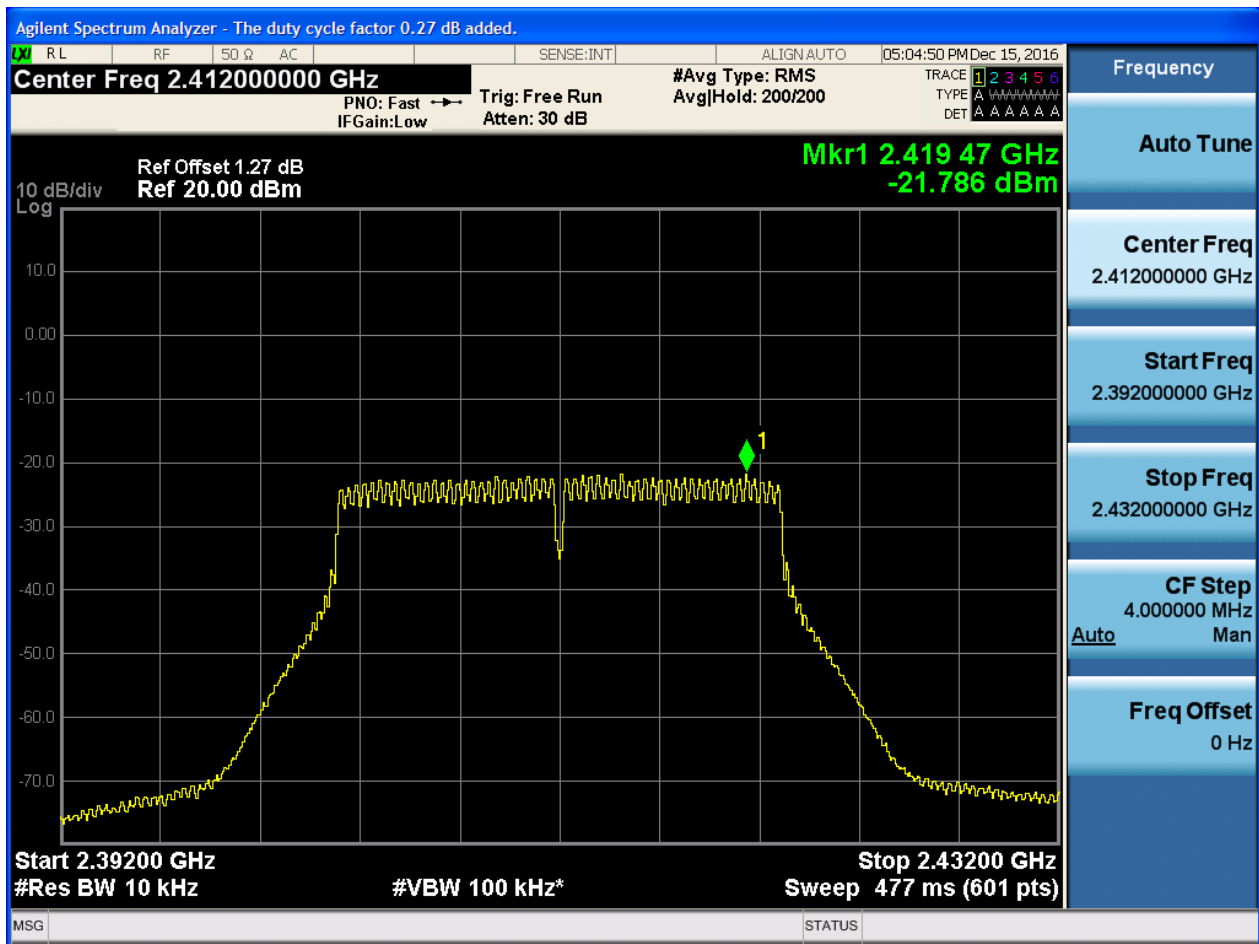


2.13 11N20m_L@Ant 1



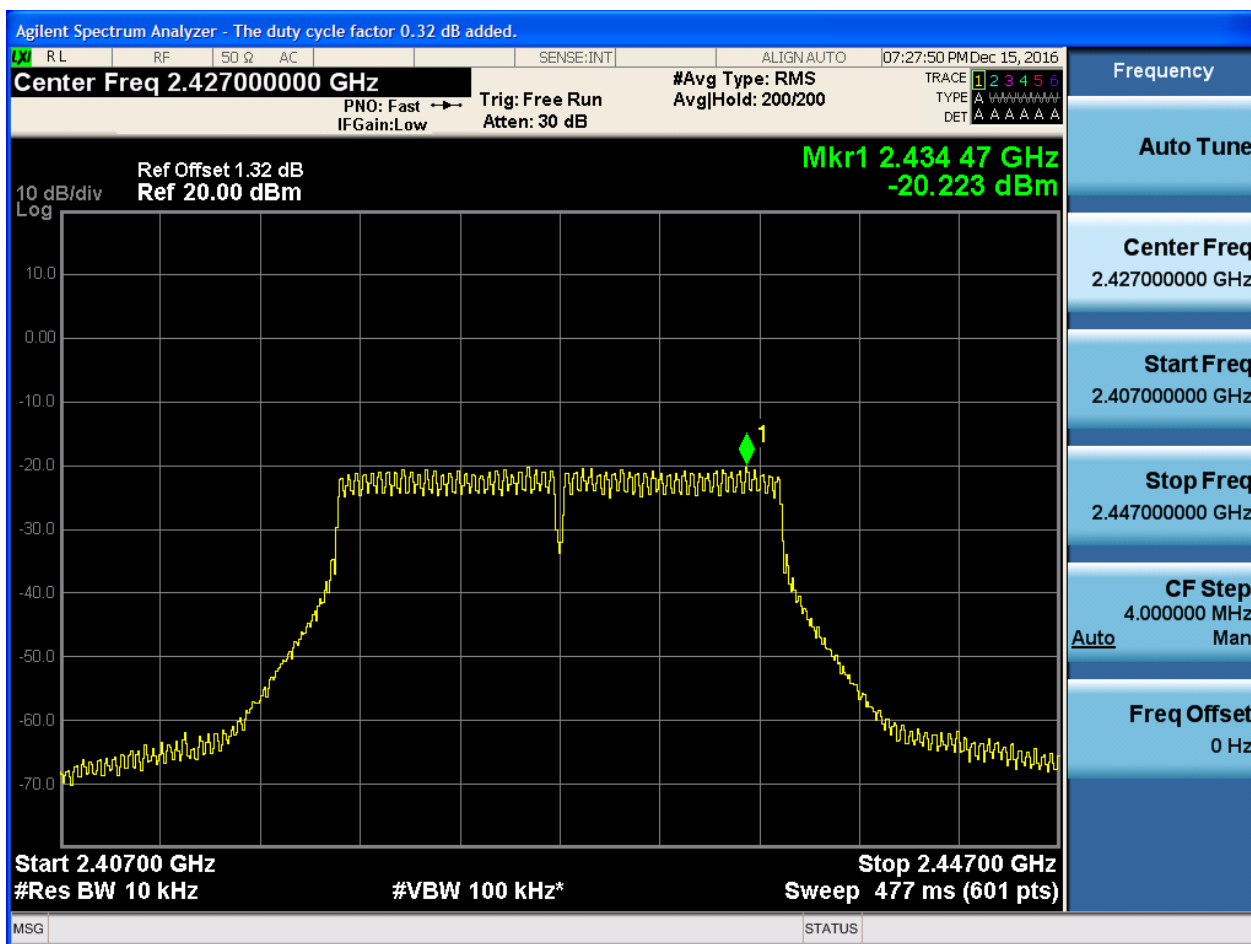


2.14 11N20m_L@Ant 2



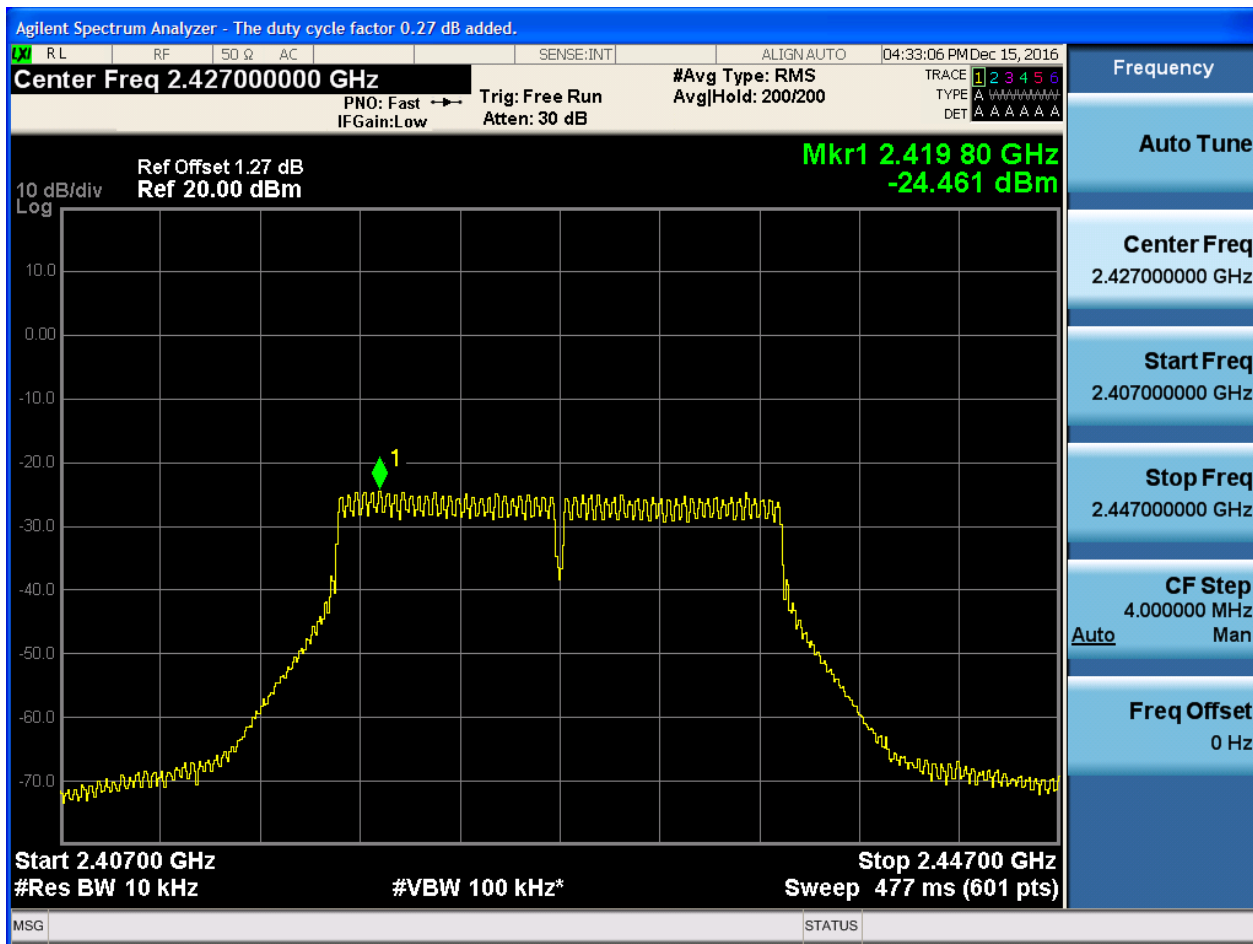


2.15 11N20m_M@Ant 1



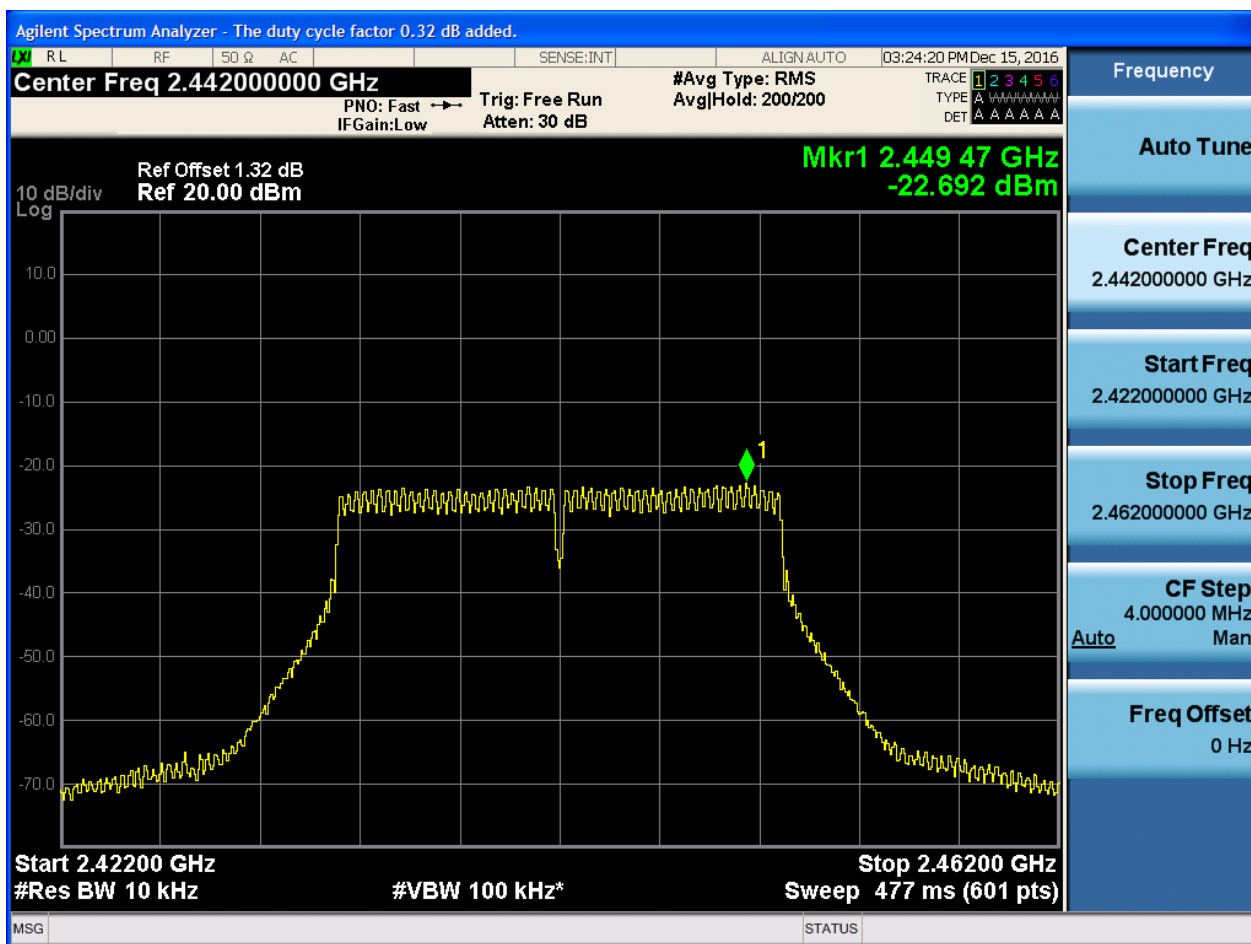


2.16 11N20m_M@Ant 2



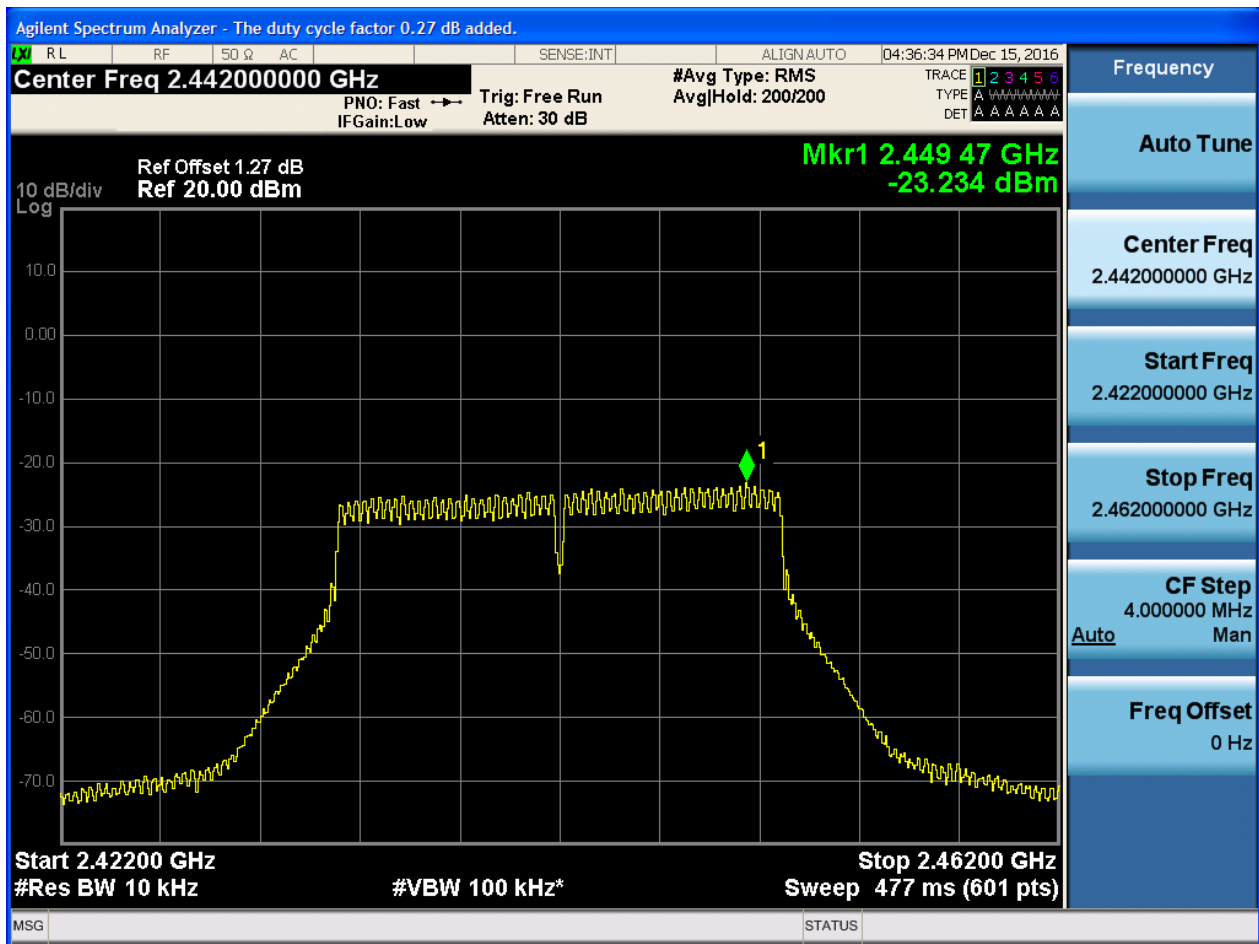


2.17 11N20m_H@Ant 1



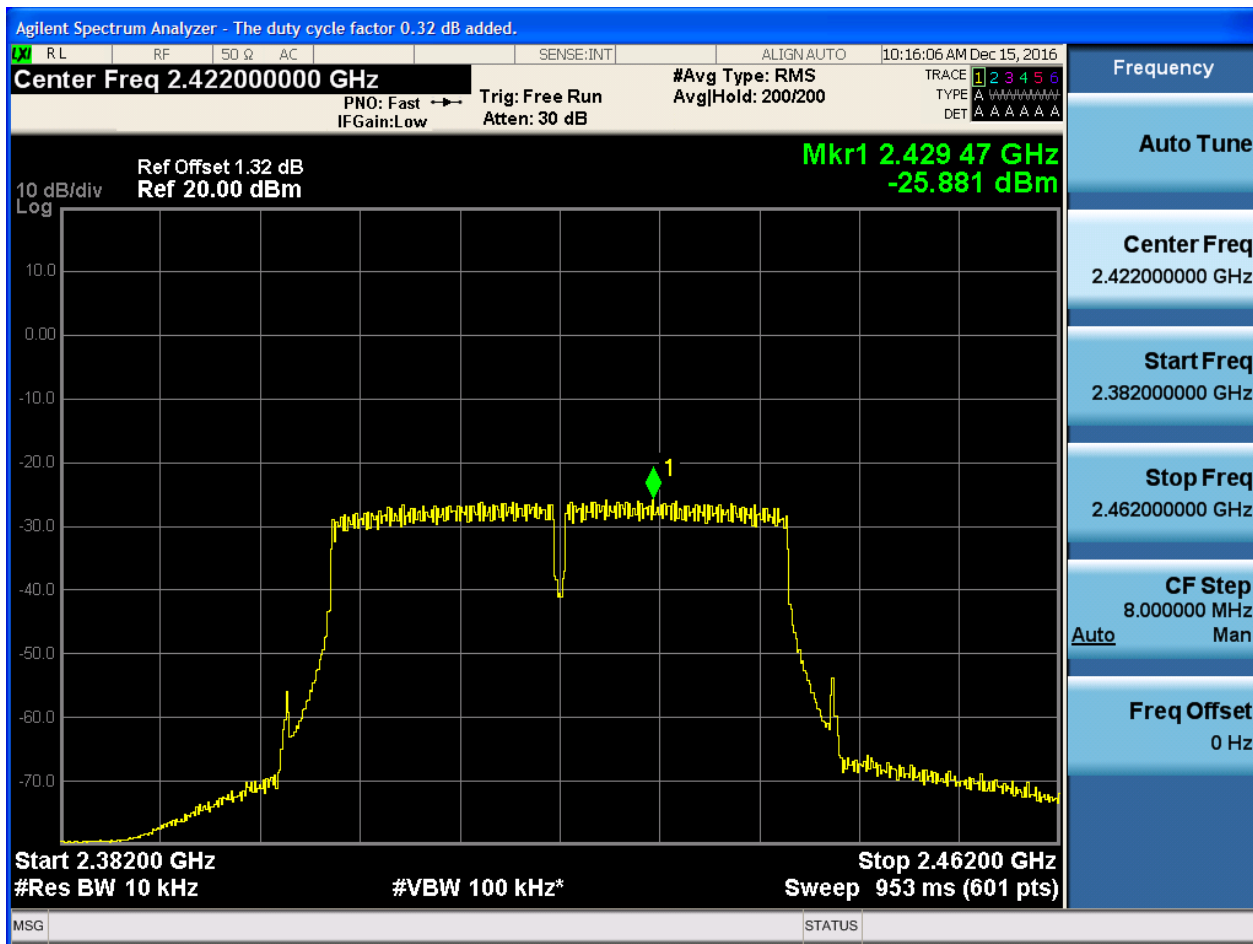


2.18 11N20m_H@Ant 2



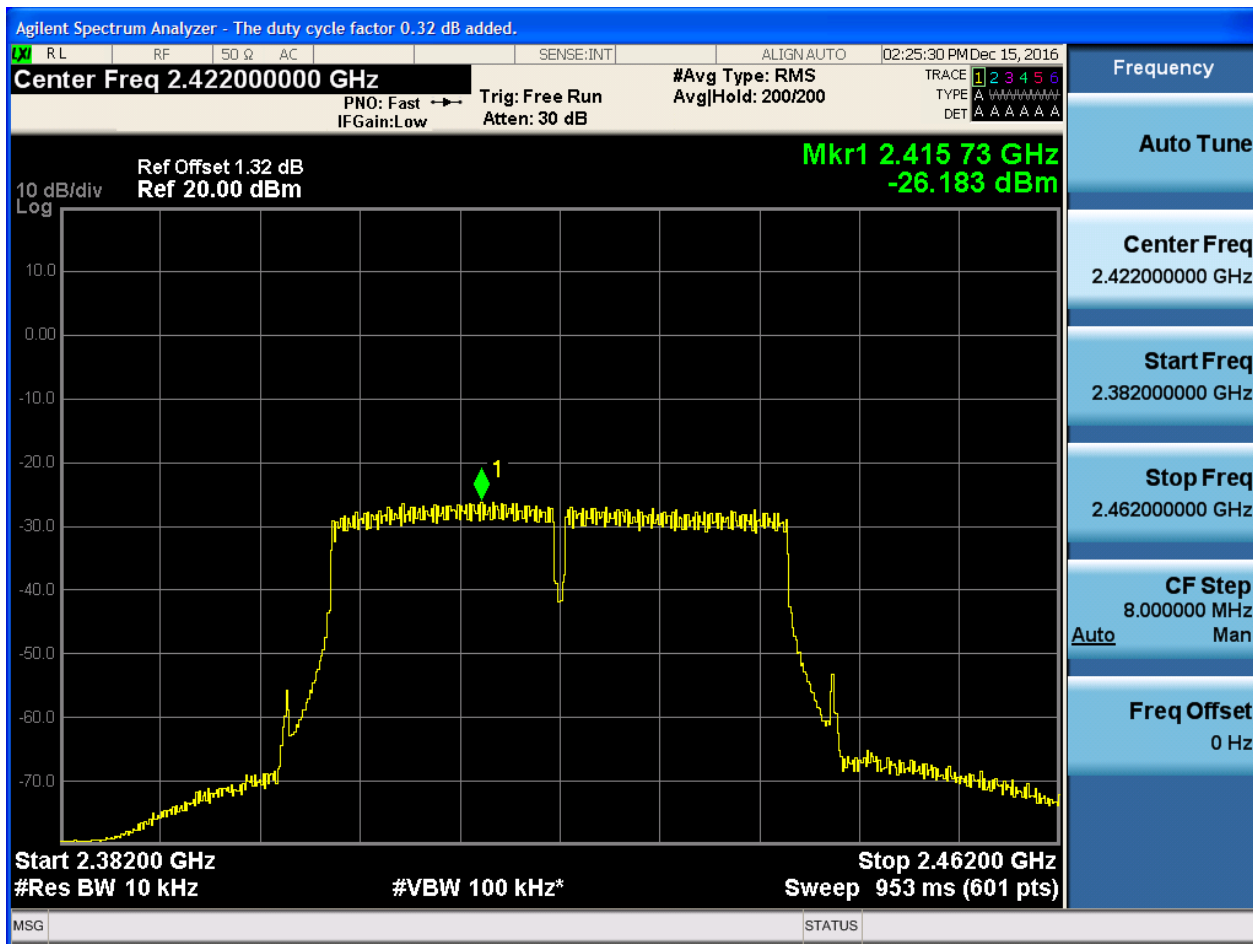


2.19 11N40_L@Ant 1



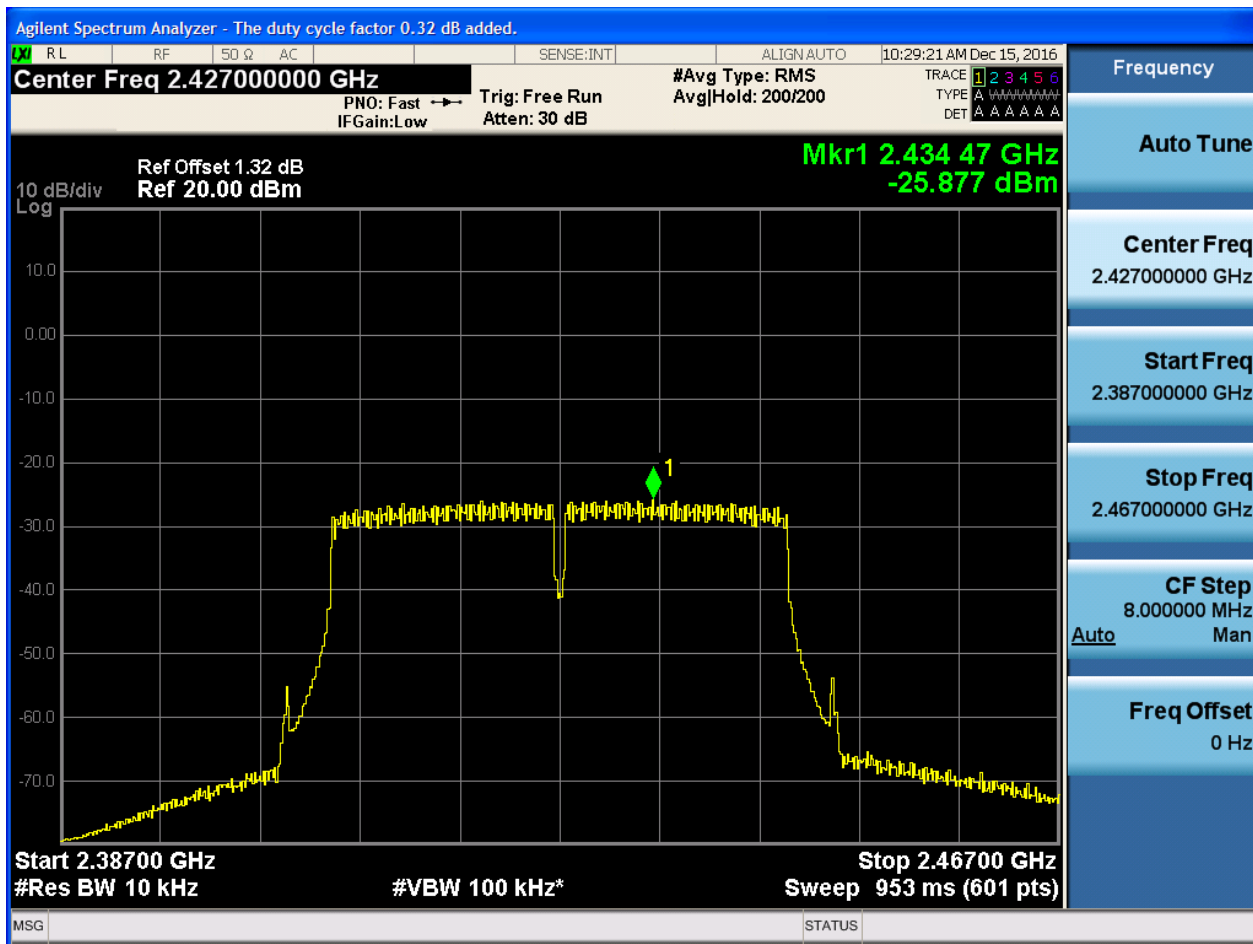


2.20 11N40_L@Ant 2



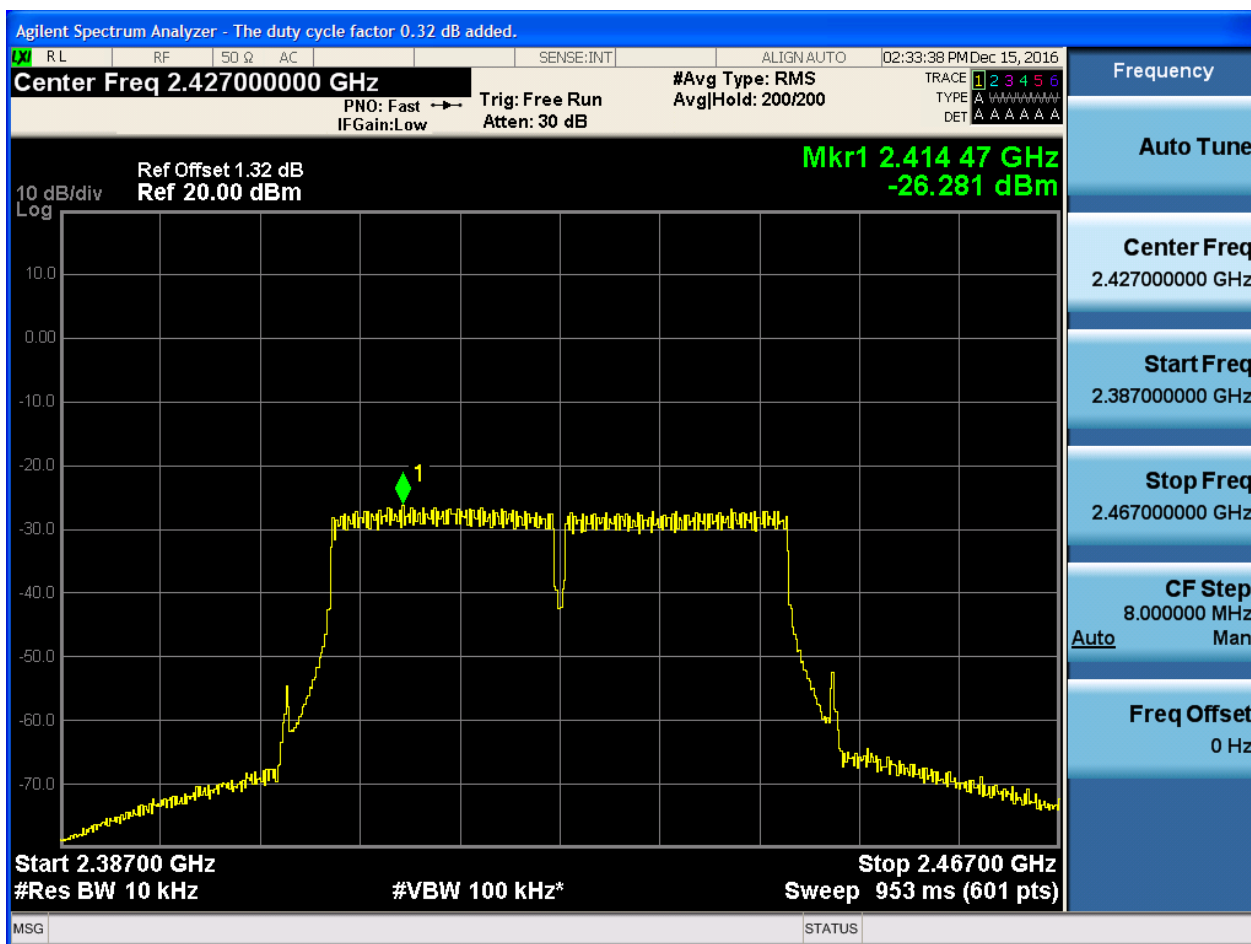


2.21 11N40_M@Ant 1



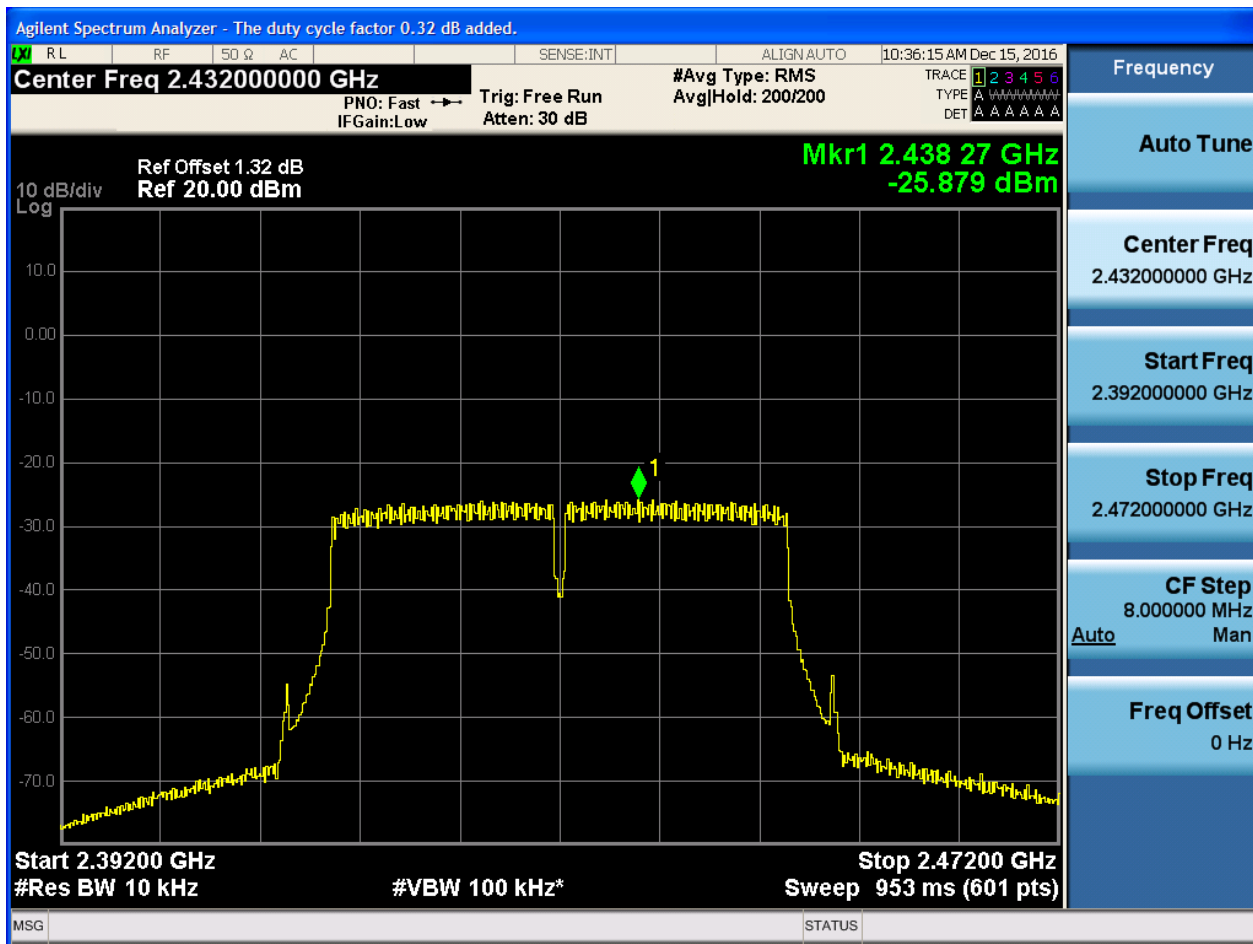


2.22 11N40_M@Ant 2



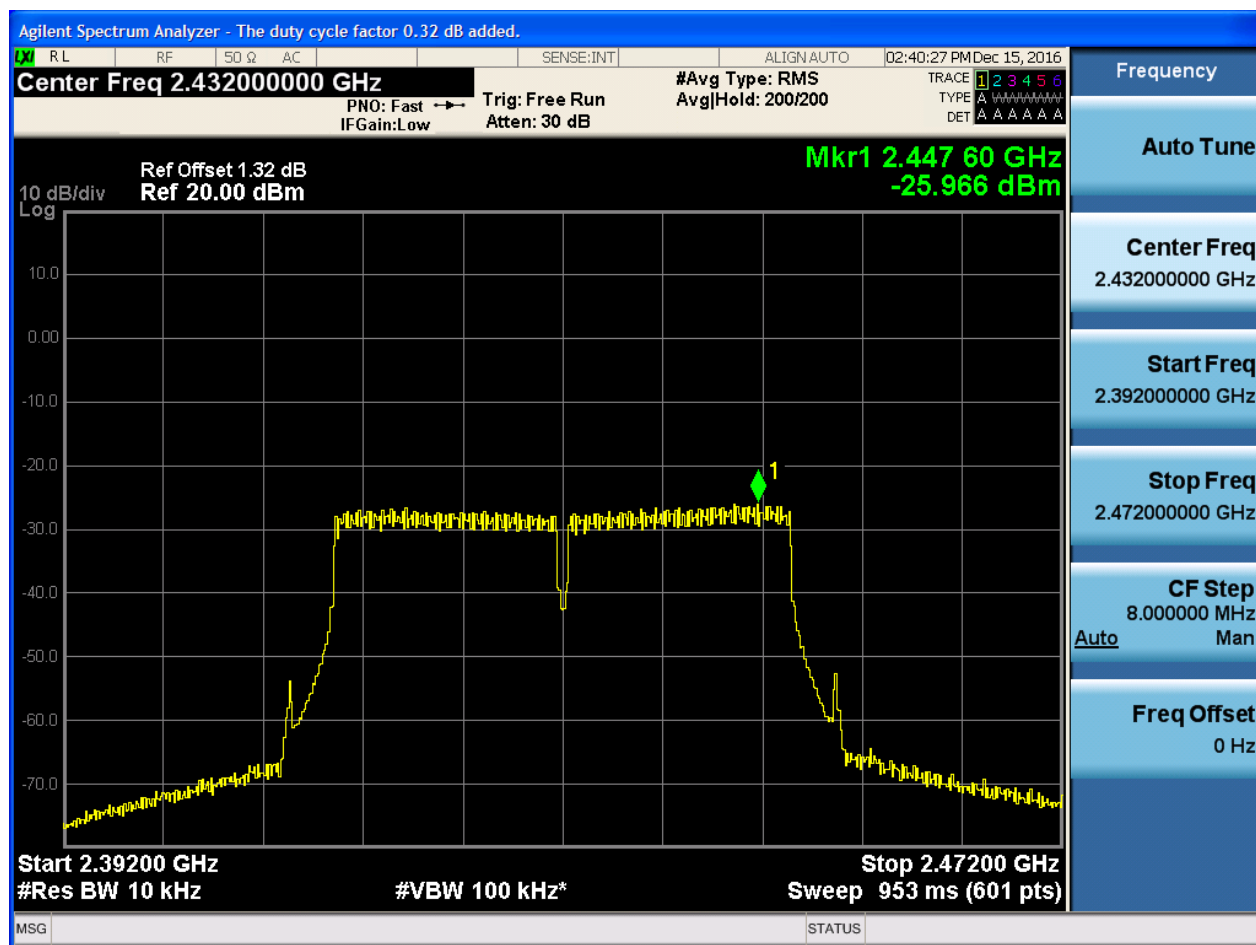


2.23 11N40_H@Ant 1



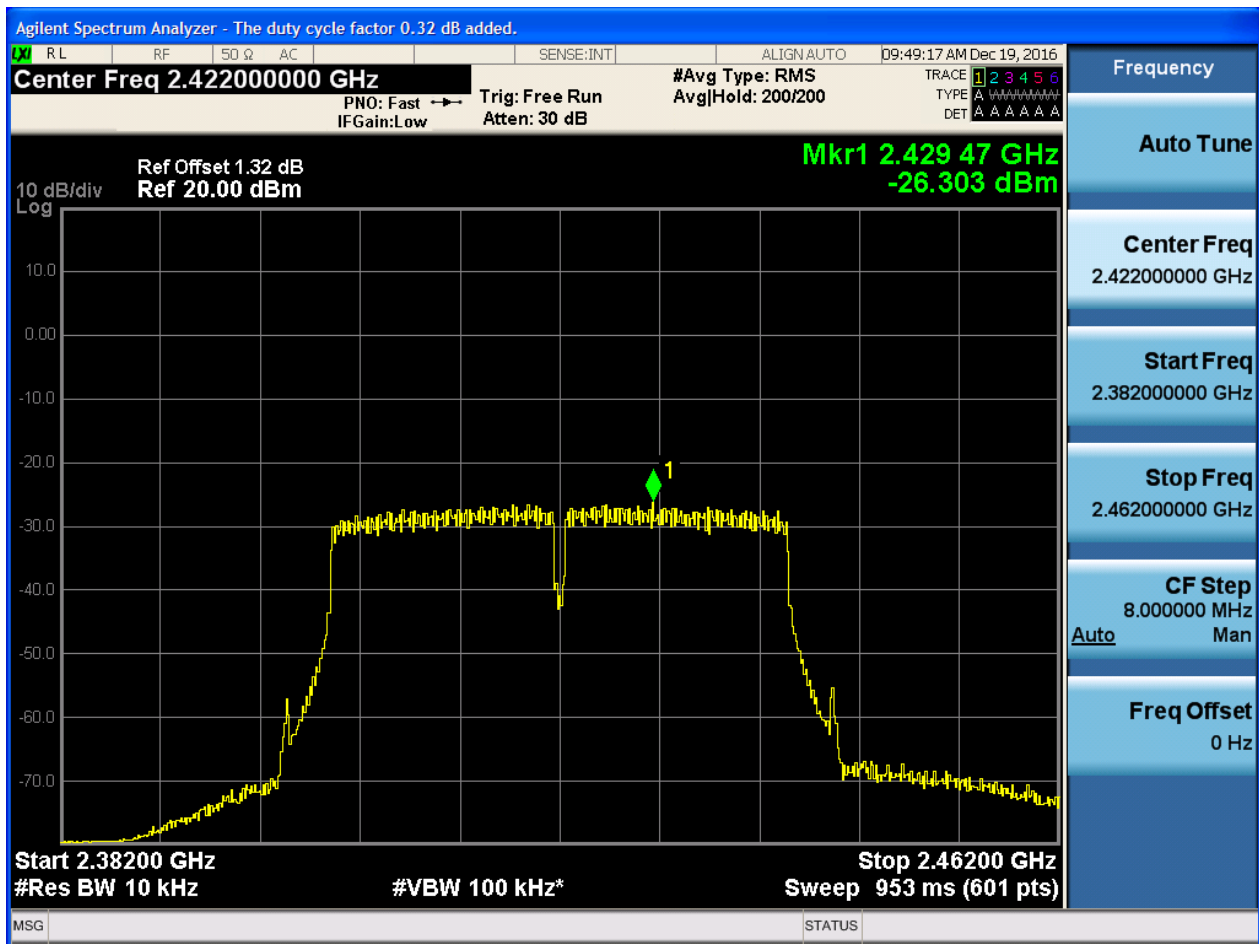


2.24 11N40_H@Ant 2



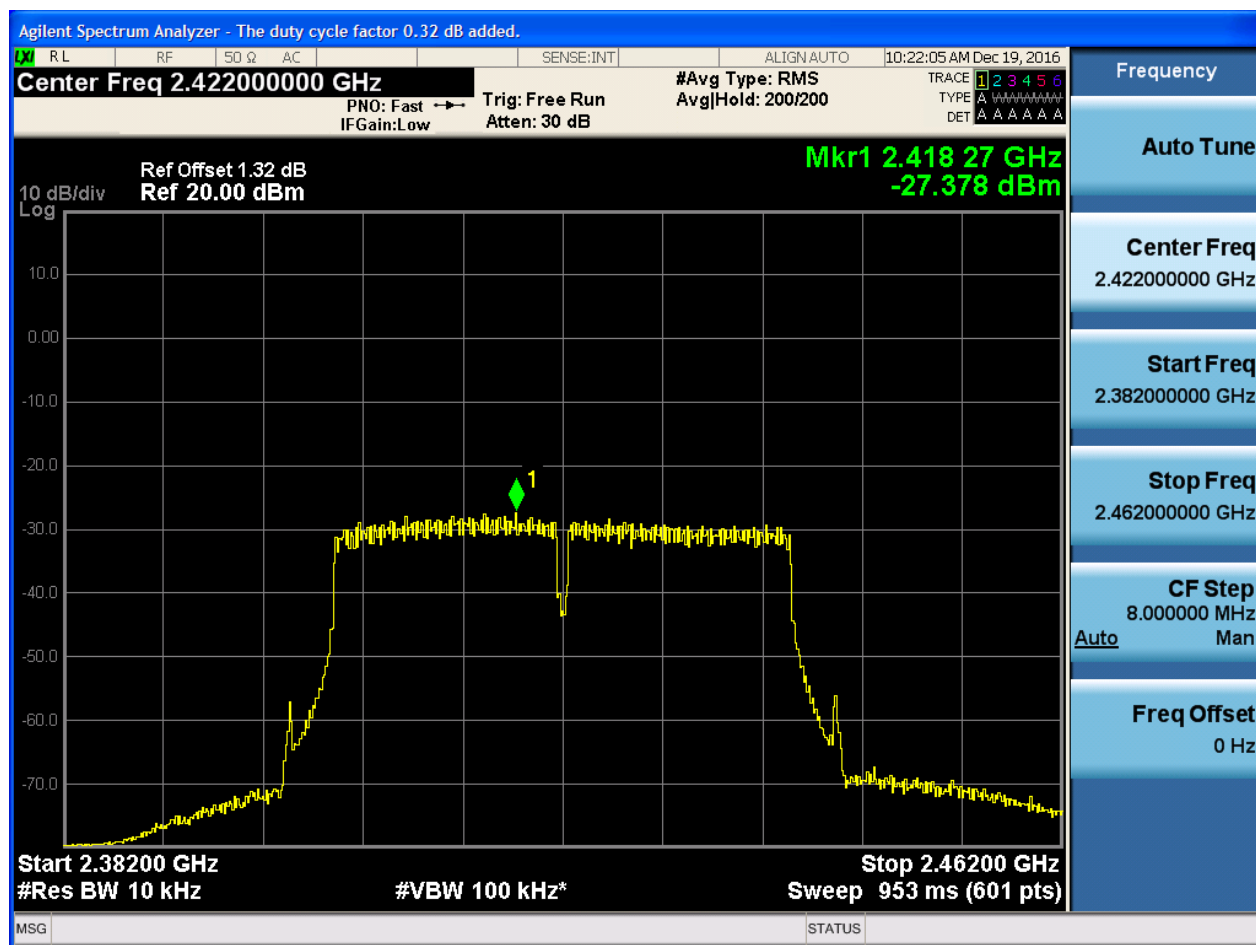


2.31 11N40m_L@Ant 1



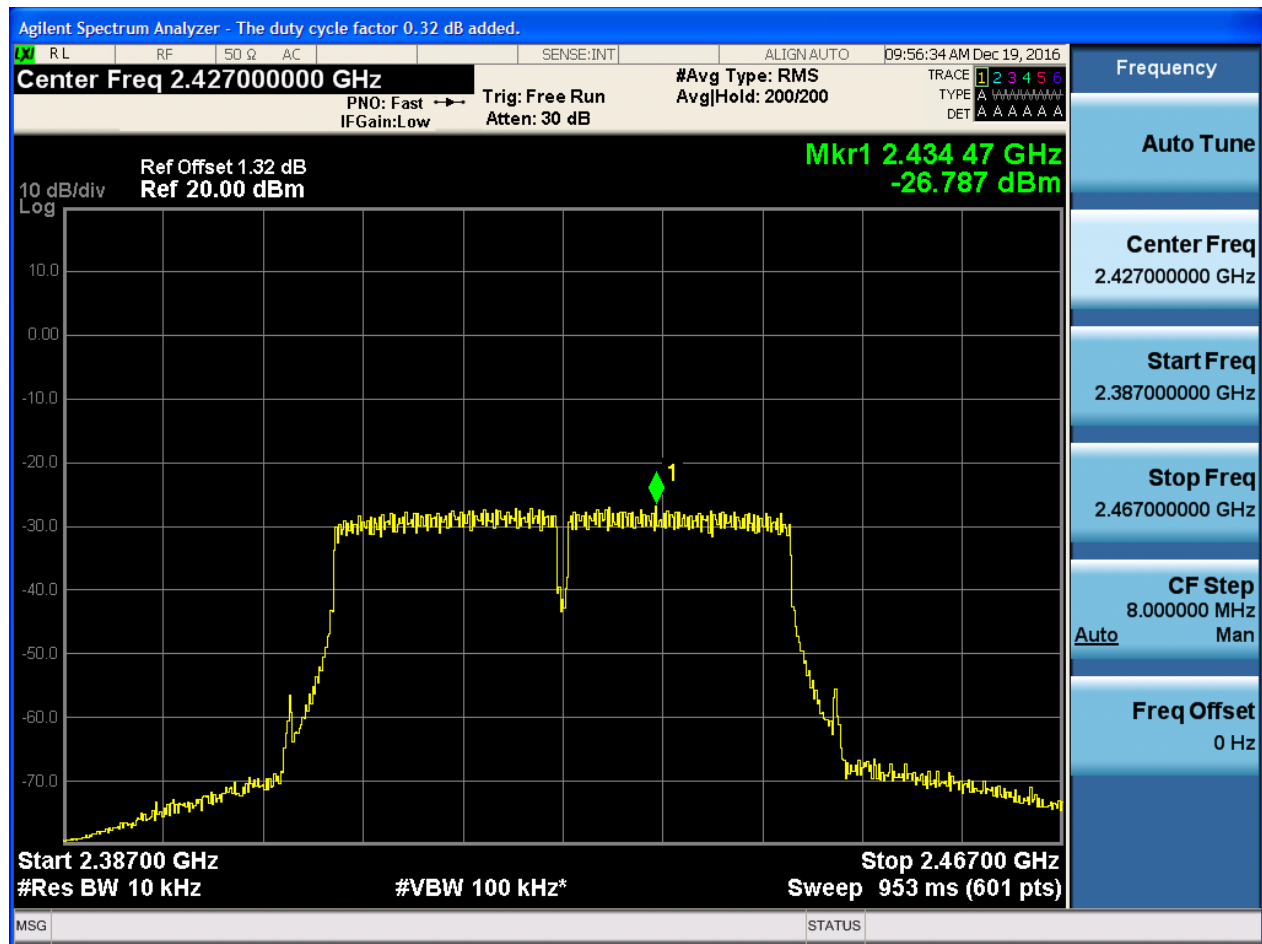


2.32 11N40m_L@Ant 2



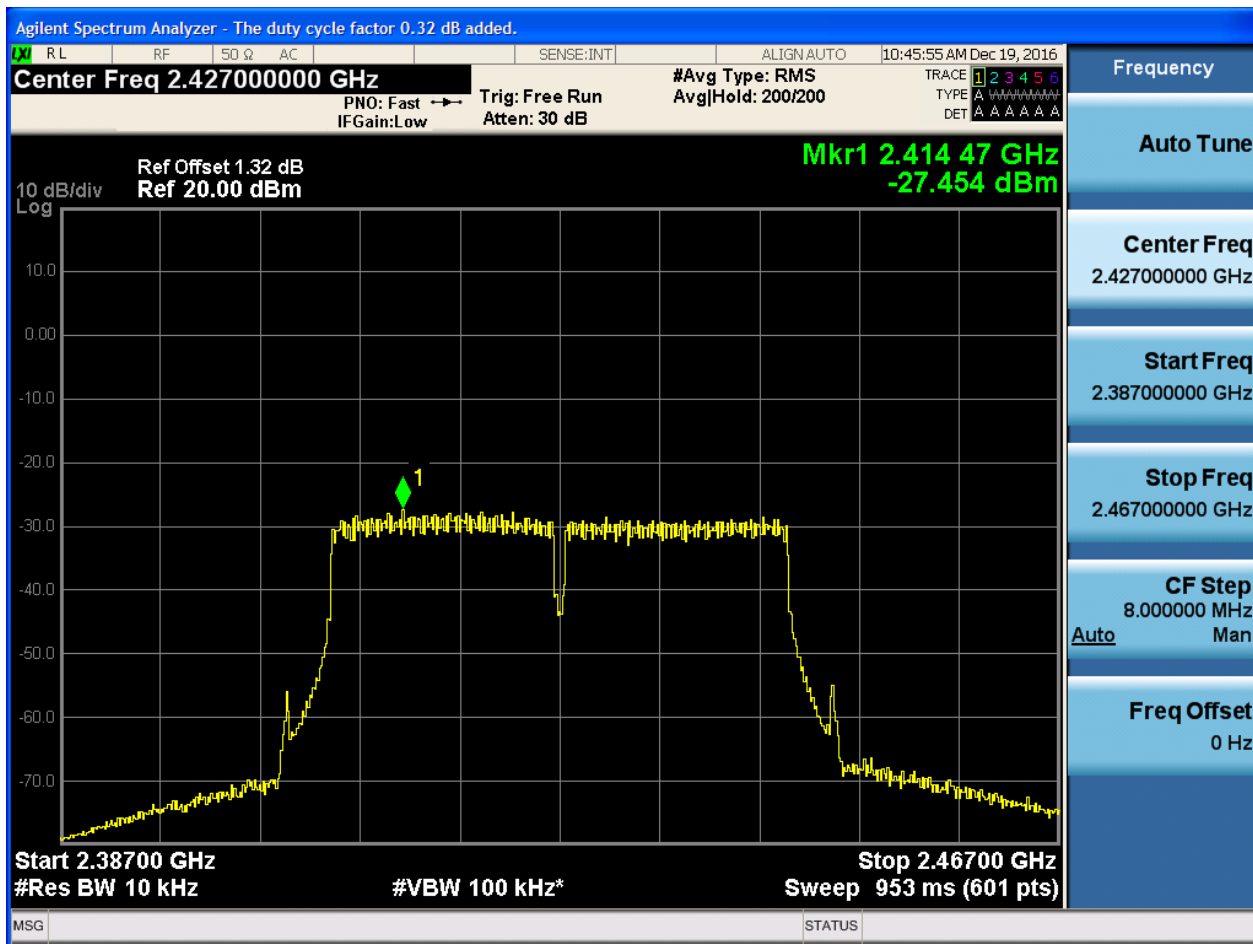


2.33 11N40m_M@Ant 1



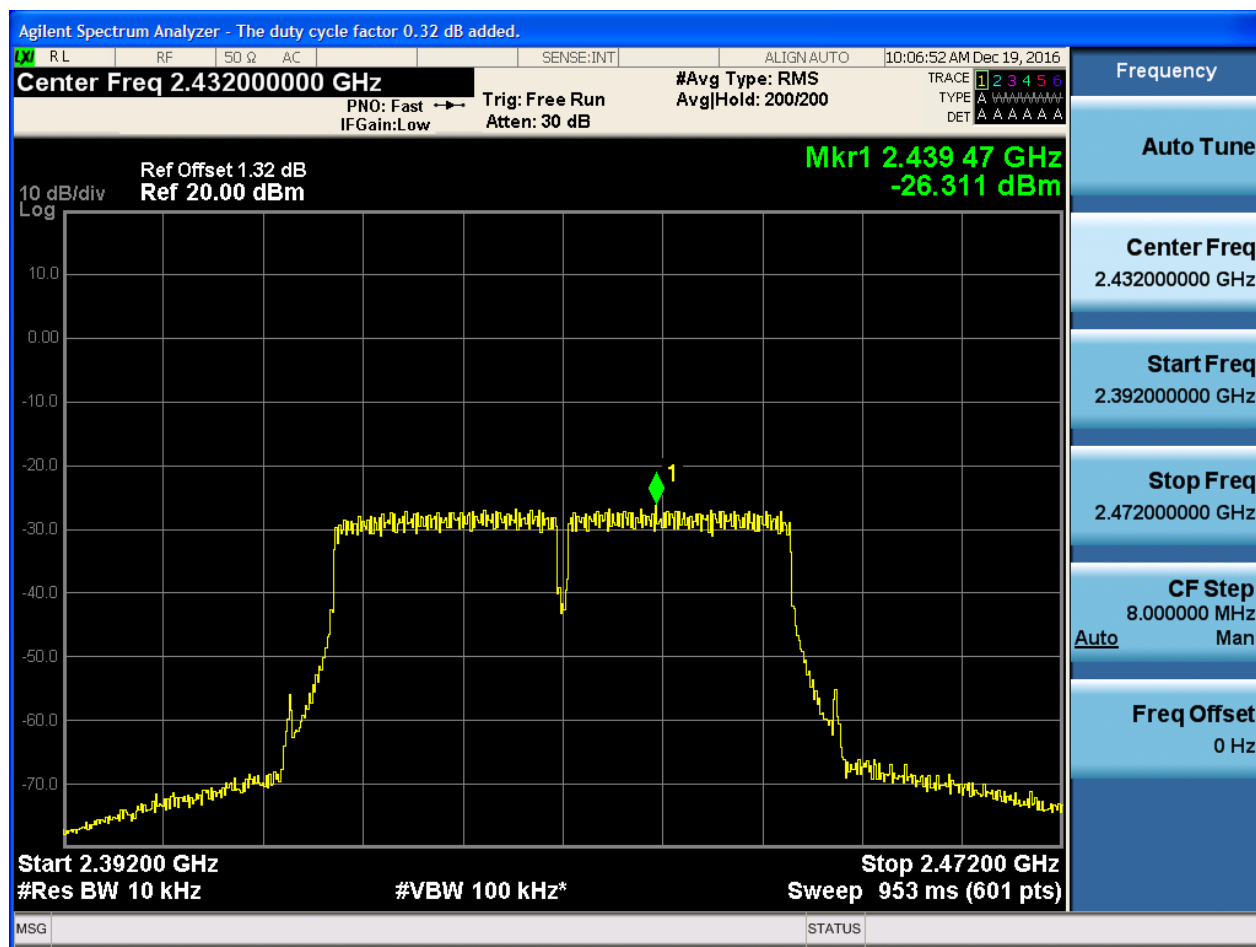


2.34 11N40m_M@Ant 2



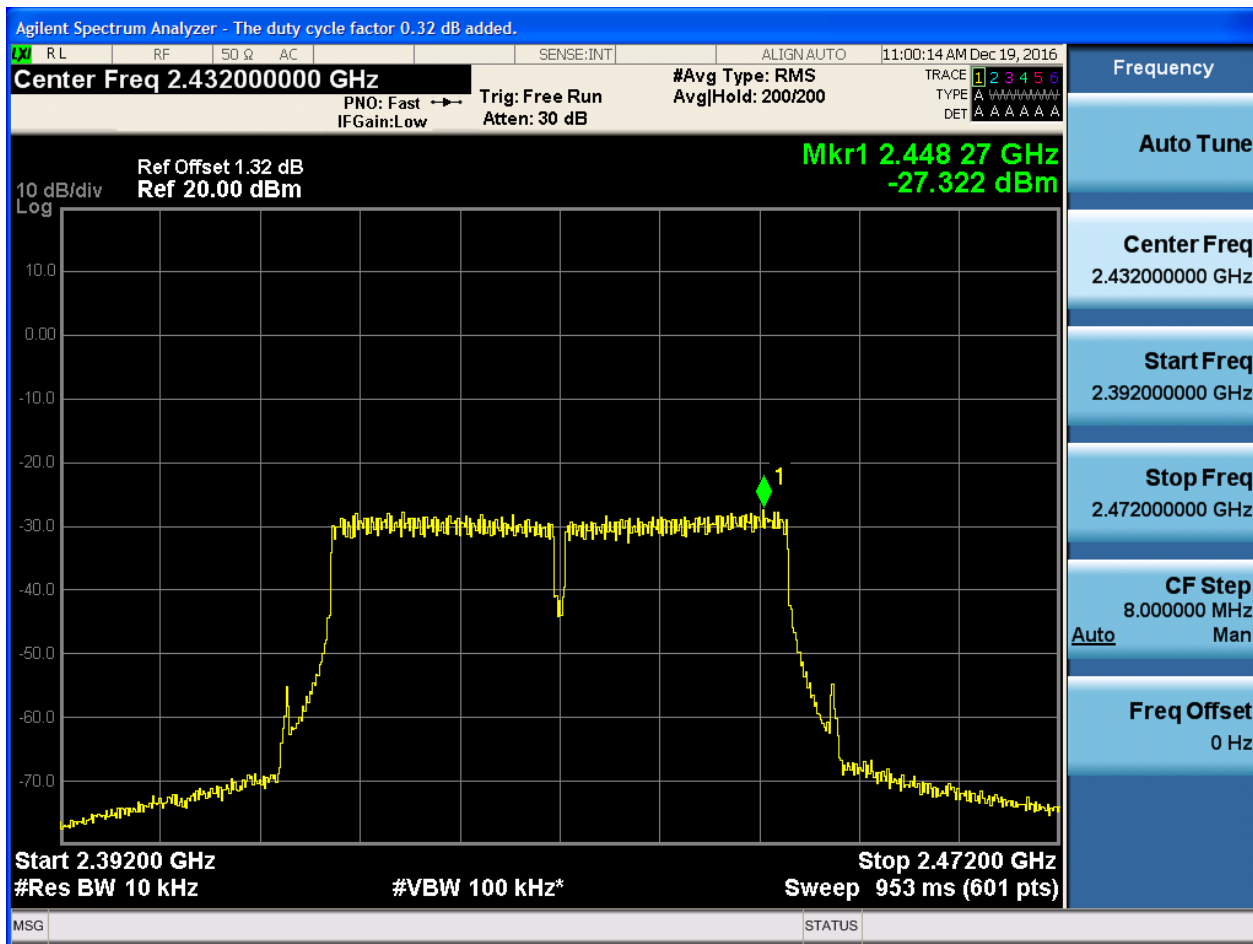


2.35 11N40m_H@Ant 1





2.36 11N40m_H@Ant 2



Appendix F: Band Edges Compliance

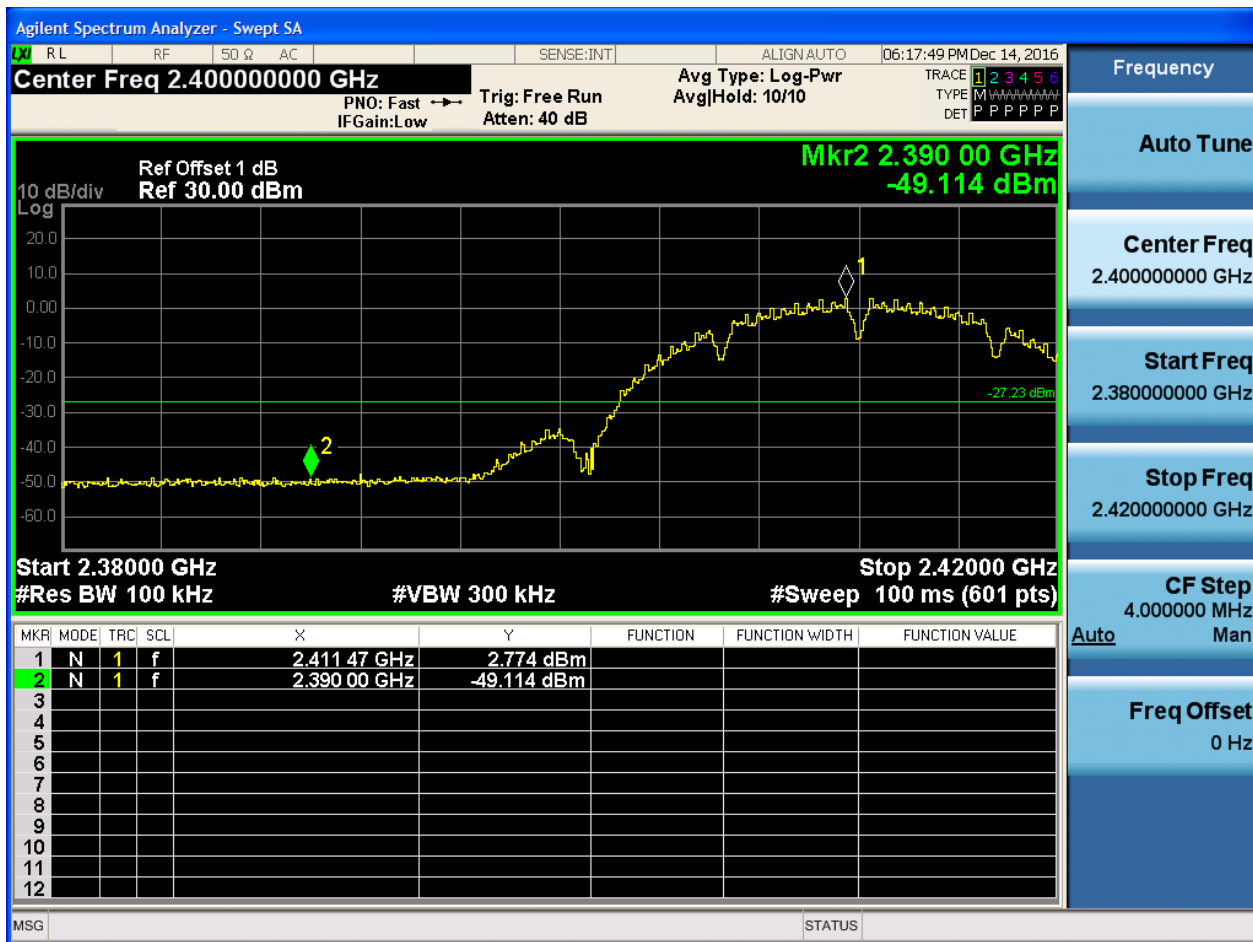
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Carrier Power[dBm]	Max.Spurious Level[dBm]	Verdict
11B	L	2412	Ant 1	2.77	-49.11	pass
11B	L	2412	Ant 2	2.38	-50.83	pass
11B	H	2442	Ant 1	2.94	-49.86	pass
11B	H	2442	Ant 2	3.32	-50.04	pass
11G	L	2412	Ant 1	-1.32	-49.86	pass
11G	L	2412	Ant 2	-1.83	-50.18	pass
11G	H	2442	Ant 1	-0.67	-49.08	pass
11G	H	2442	Ant 2	-0.74	-49.40	pass
11N20	L	2412	Ant 1	-2.89	-49.60	pass
11N20	L	2412	Ant 2	-3.72	-50.58	pass
11N20	H	2442	Ant 1	-2.49	-49.05	pass
11N20	H	2442	Ant 2	-2.54	-50.26	pass
11N20m	L	2412	Ant 1	-1.47	-50.64	pass
11N20m	L	2412	Ant 2	-5.32	-50.31	pass
11N20m	H	2442	Ant 1	-4.02	-49.68	pass
11N20m	H	2442	Ant 2	-4.27	-49.47	pass
11N40	L	2422	Ant 1	-6.57	-50.37	pass
11N40	L	2422	Ant 2	-6.72	-50.04	pass
11N40	H	2432	Ant 1	-6.41	-49.22	pass
11N40	H	2432	Ant 2	-6.78	-49.36	pass
11N40m	L	2422	Ant 1	-7.30	-50.23	pass
11N40m	L	2422	Ant 2	-7.83	-50.36	pass
11N40m	H	2432	Ant 1	-7.46	-49.20	pass
11N40m	H	2432	Ant 2	-7.87	-49.54	pass



Part II - Test Plots

2.1 11B_L@Ant 1





2.2 11B_L@Ant 2





2.3 11B_H@Ant 1

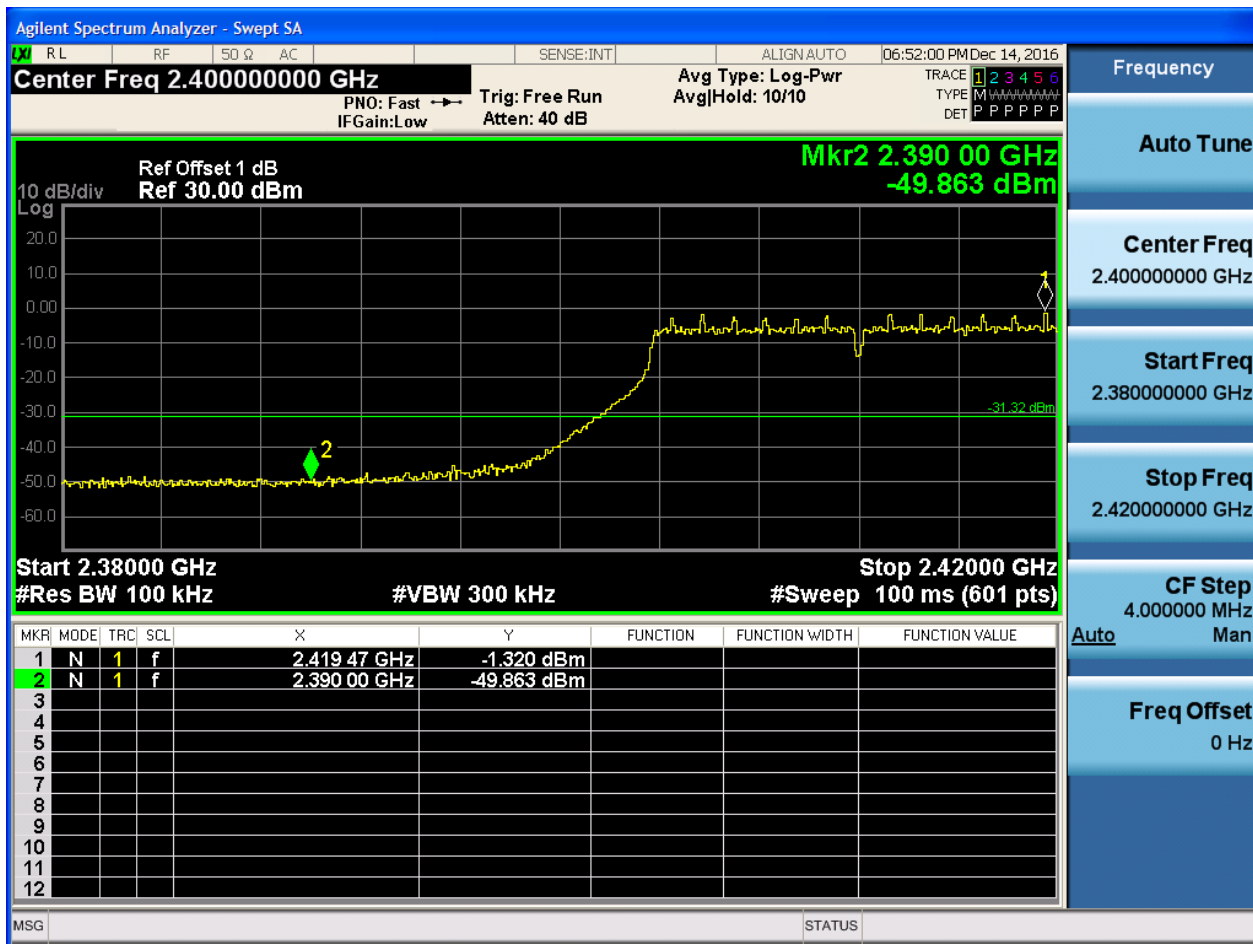


2.4 11B_H@Ant 2



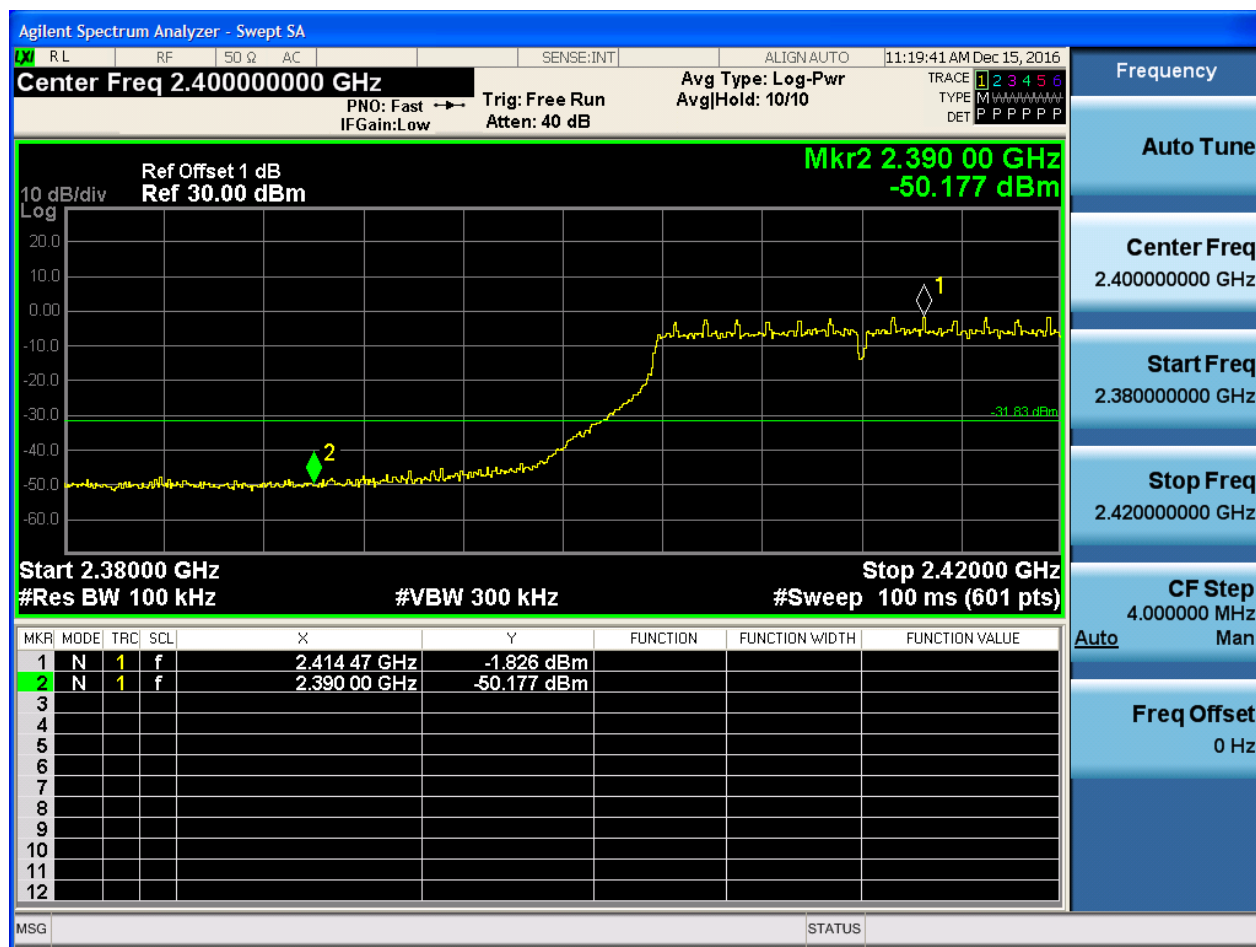


2.5 11G_L@Ant 1



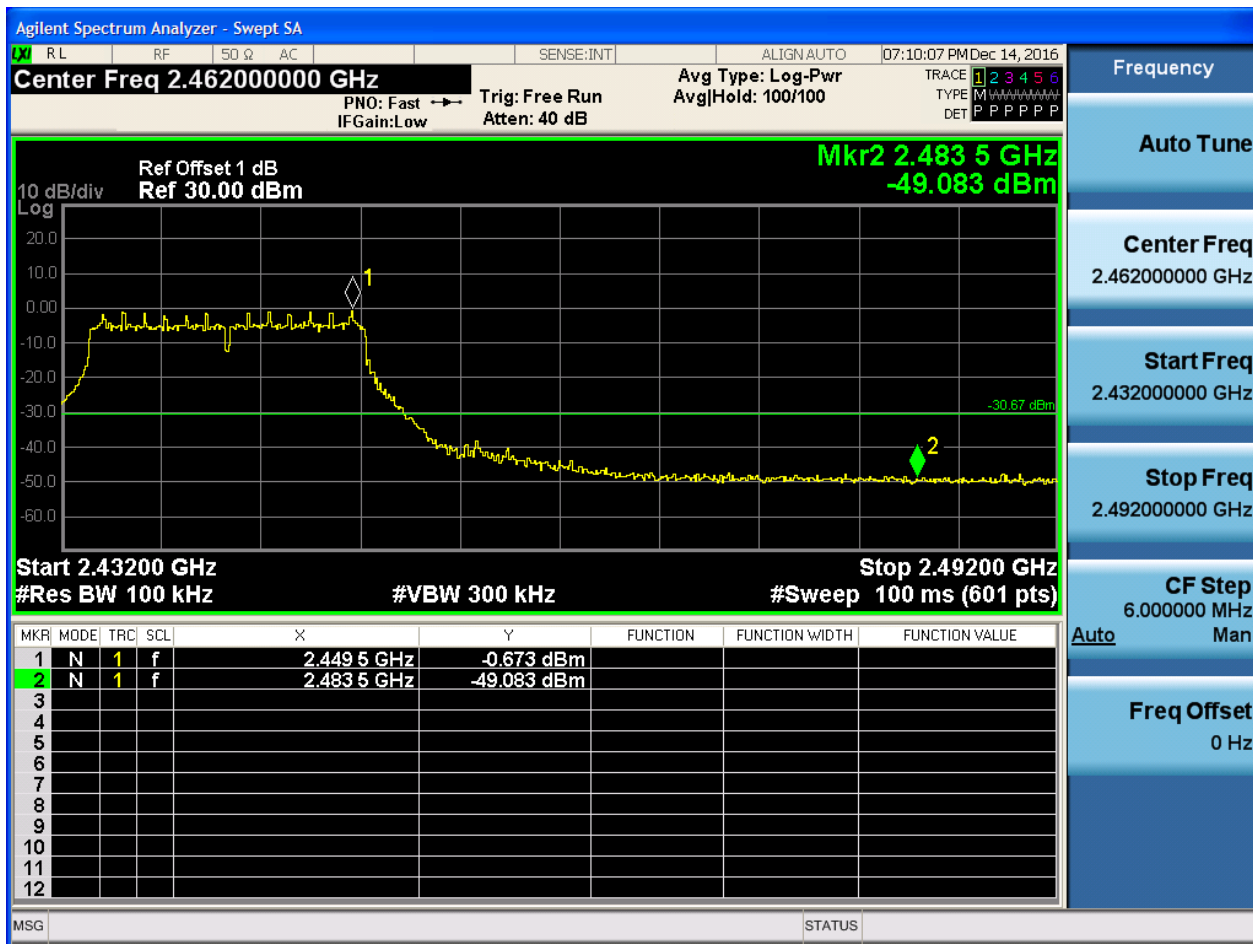


2.6 11G_L@Ant 2



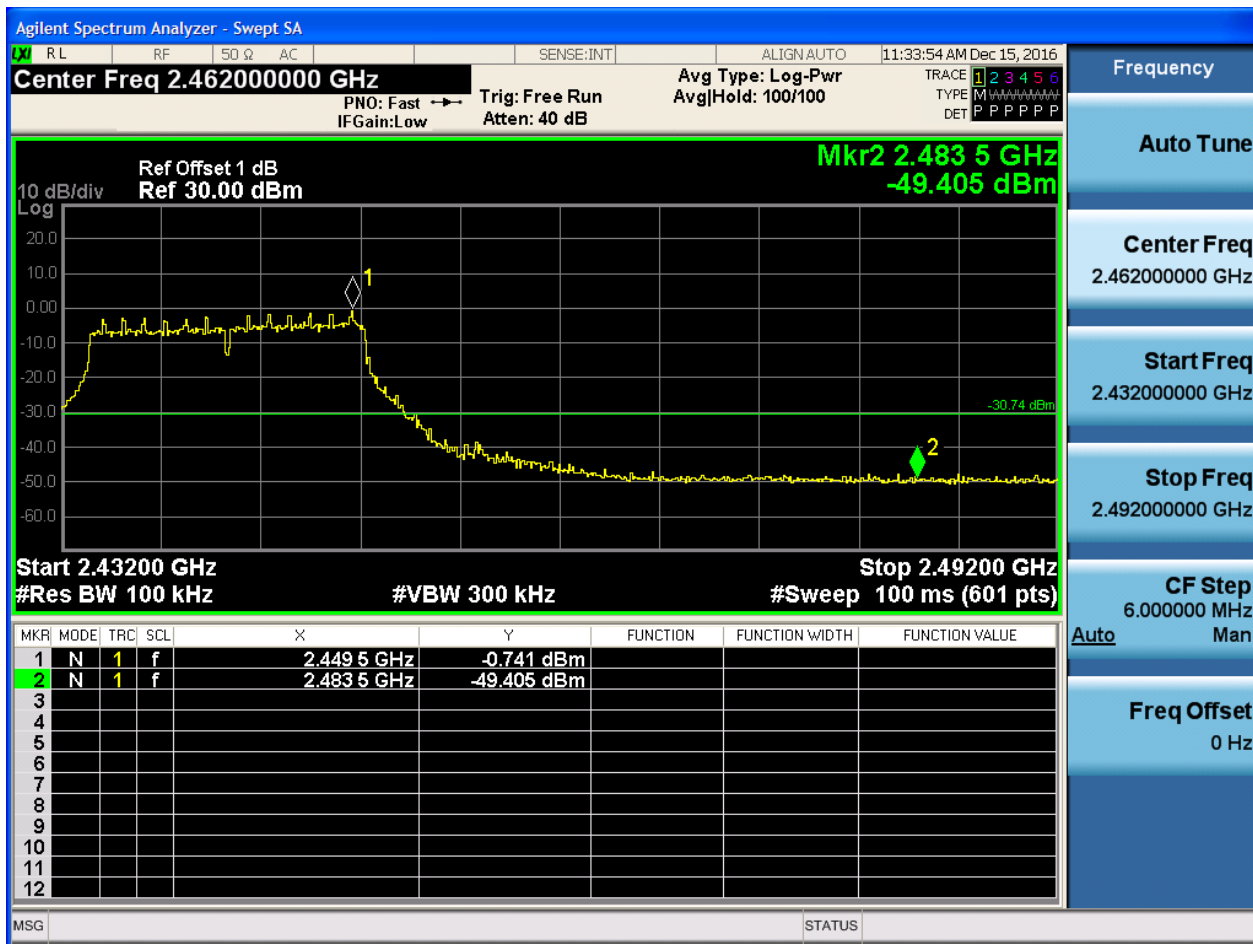


2.7 11G_H@Ant 1



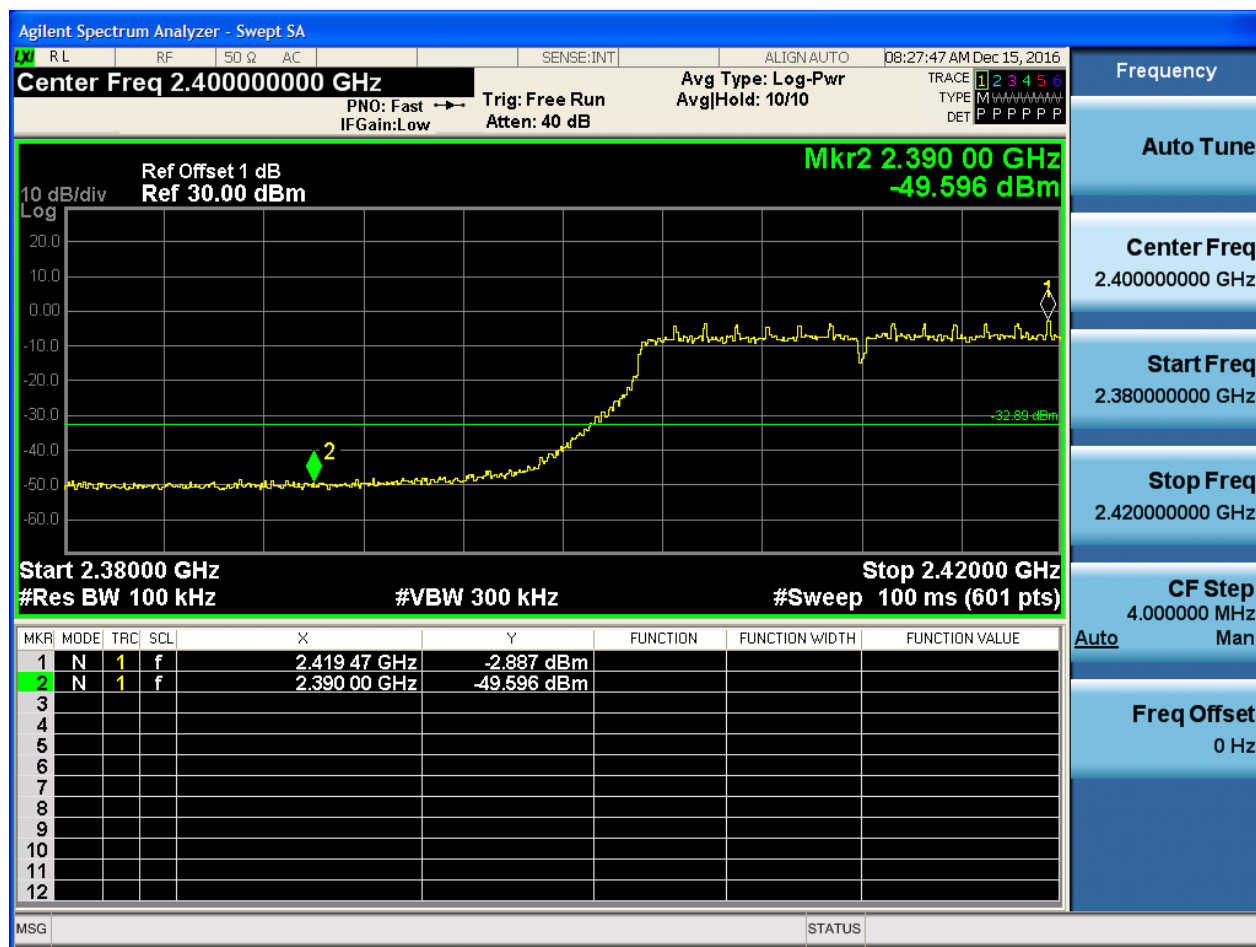


2.8 11G_H@Ant 2



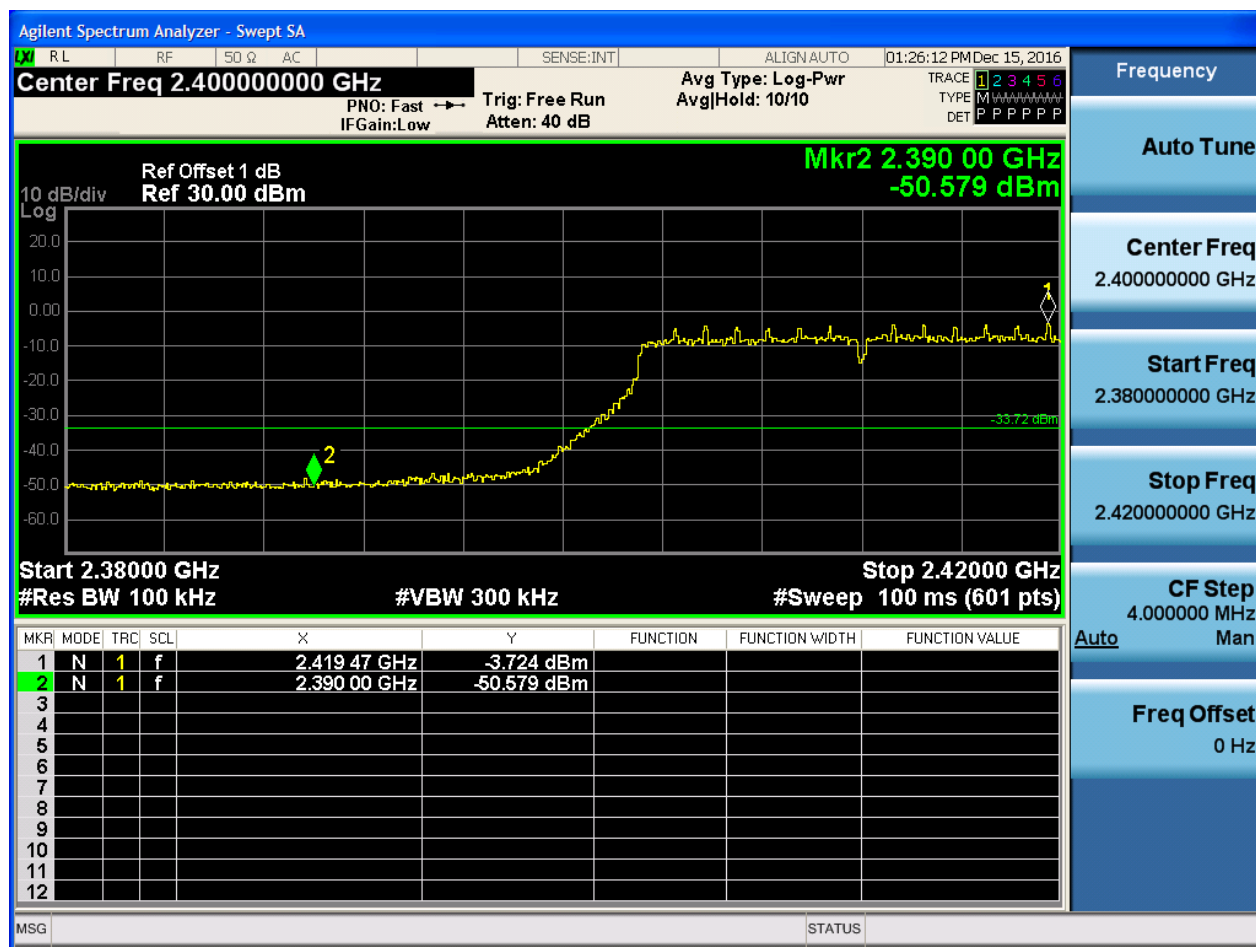


2.9 11N20_L@Ant 1



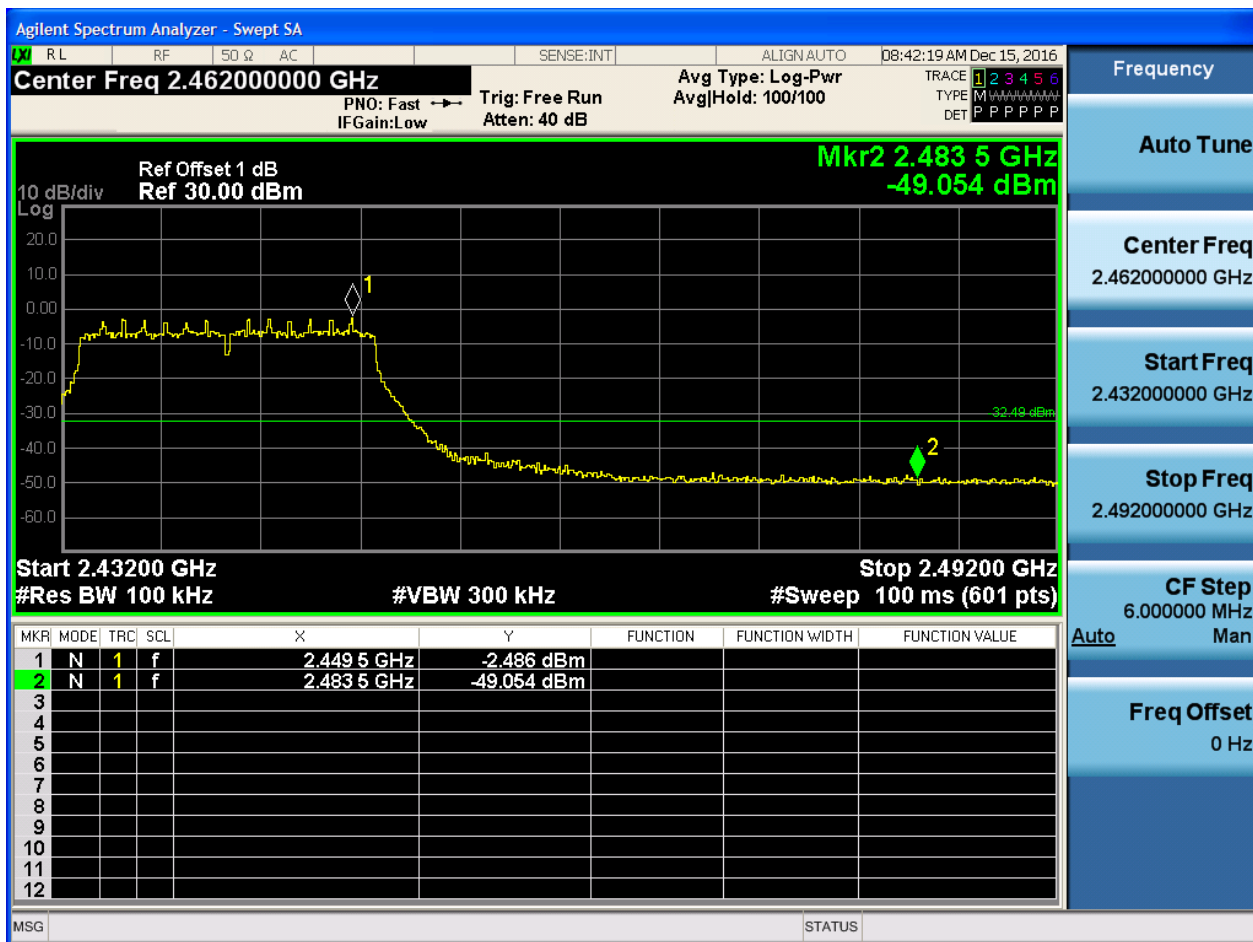


2.10 11N20_L@Ant 2





2.11 11N20_H@Ant 1



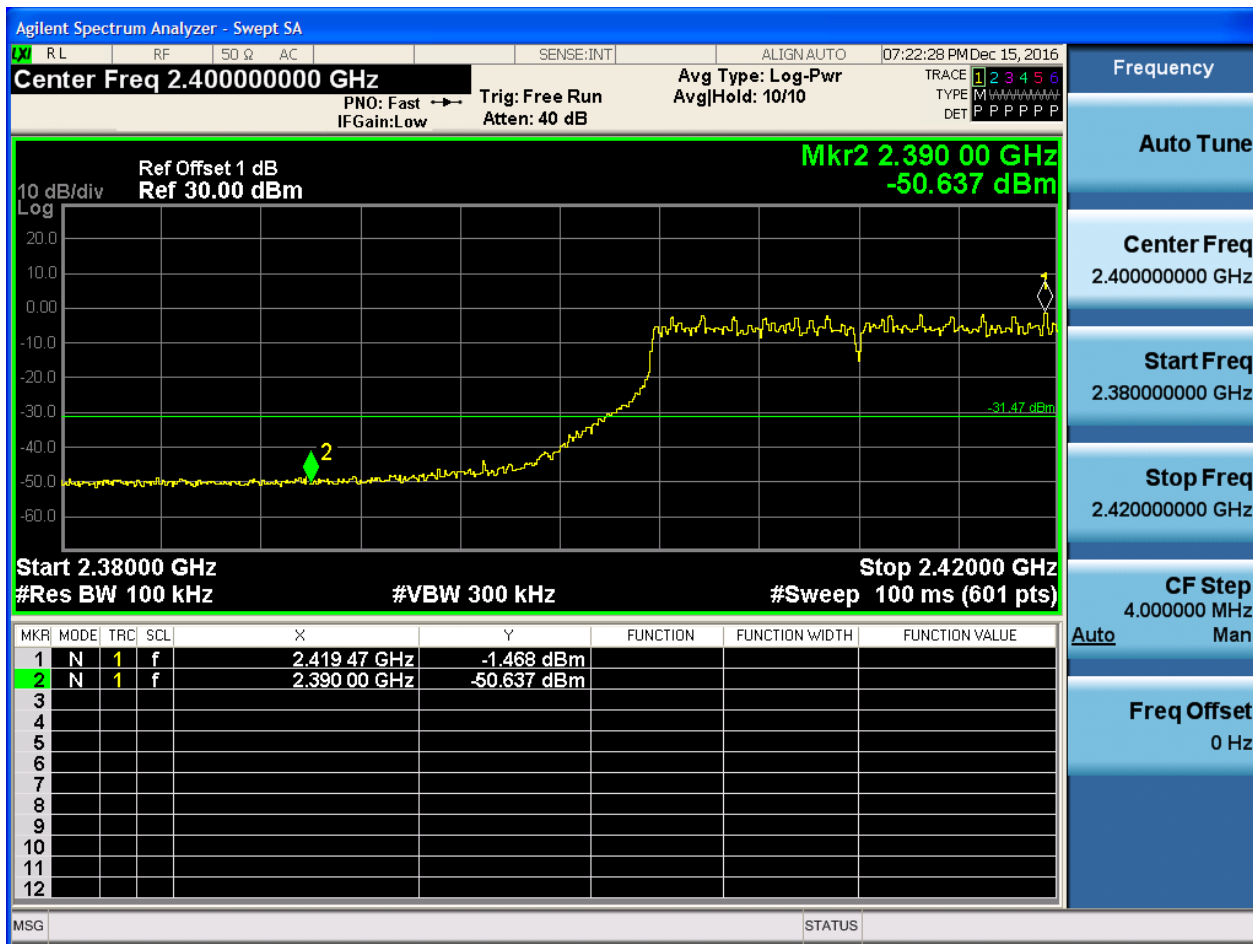


2.12 11N20_H@Ant 2



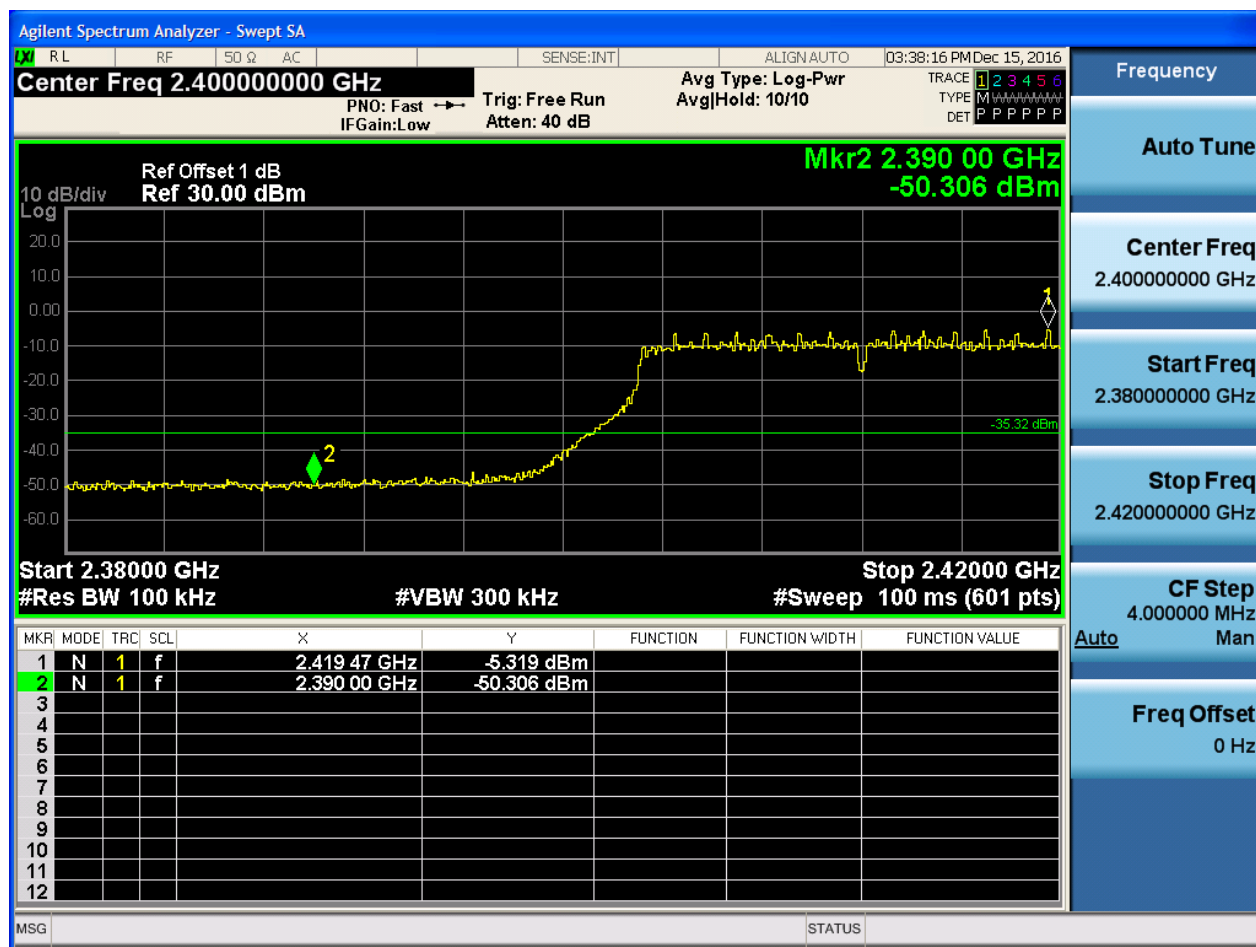


2.9 11N20m_L@Ant 1

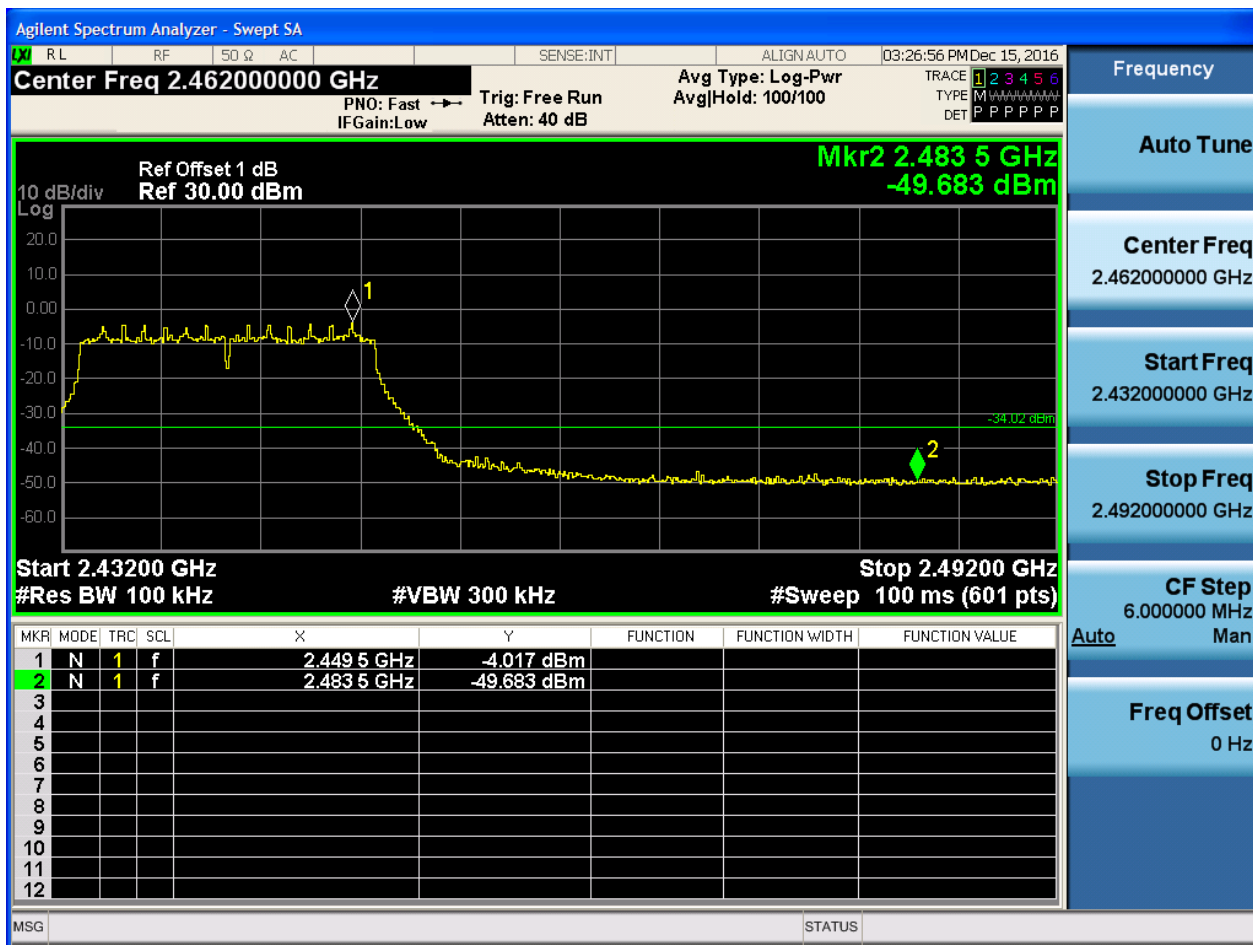




2.10 11N20m_L@Ant 2

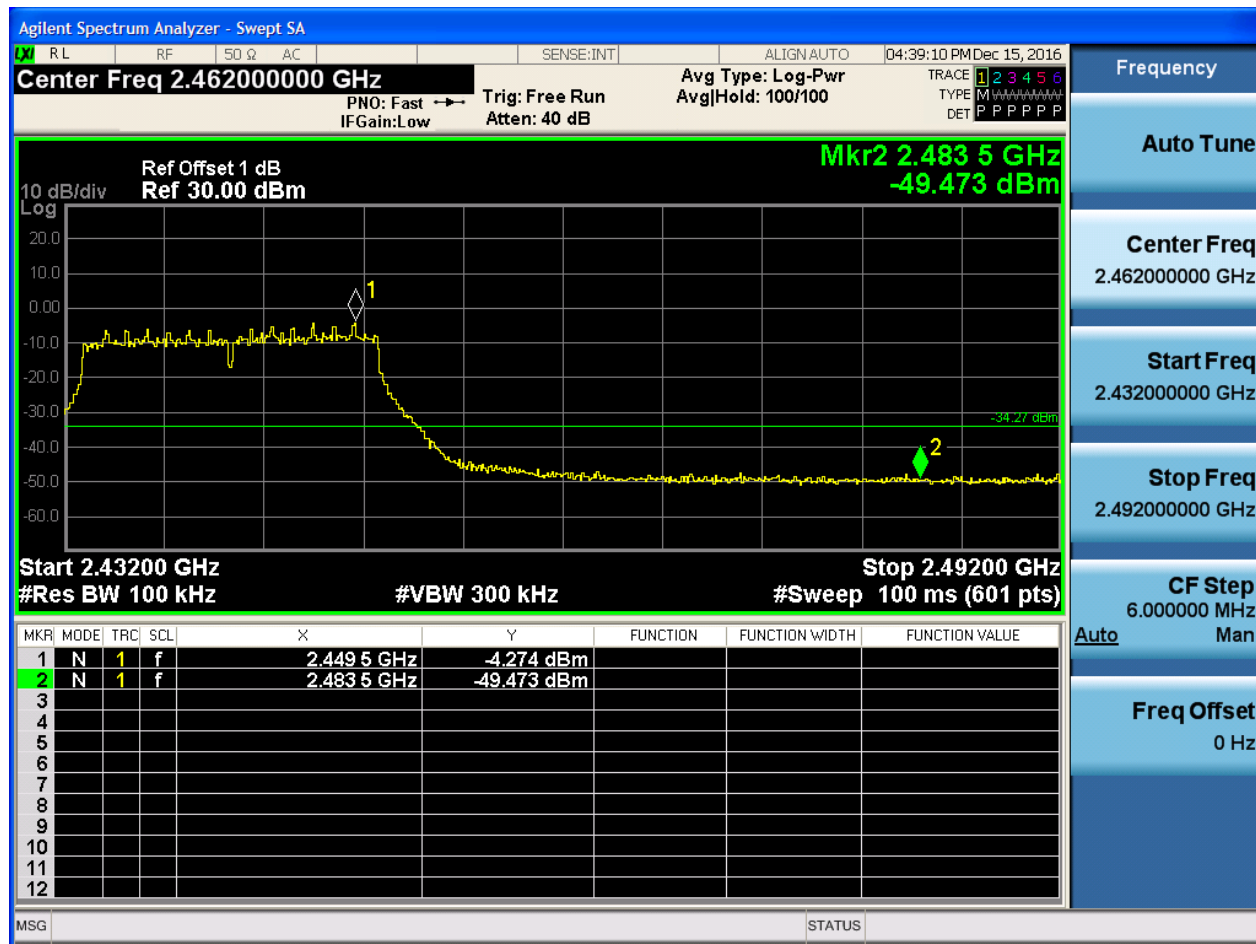


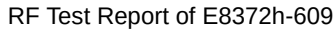
2.11 11N20m_H@Ant 1





2.12 11N20m_H@Ant 2





Agilent Spectrum Analyzer - Swept SA

[X] R L RF 50 Ω AC SENSE:INT ALIGN: AUTO 10:18:36 AM Dec 15, 2016
Center Freq 2.40000000 GHz Avg Type: Log-Pwr PNO: Fast Trig: Free Run
 IFGain:Low Atten: 40 dB TYPE M DET P P P P P

Ref Offset 1 dB Mkr2 2.390 00 GHz
 Ref 30.00 dBm -50.370 dBm

10 dB/div Log
 Start 2.38000 GHz Stop 2.42000 GHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 100 ms (601 pts)

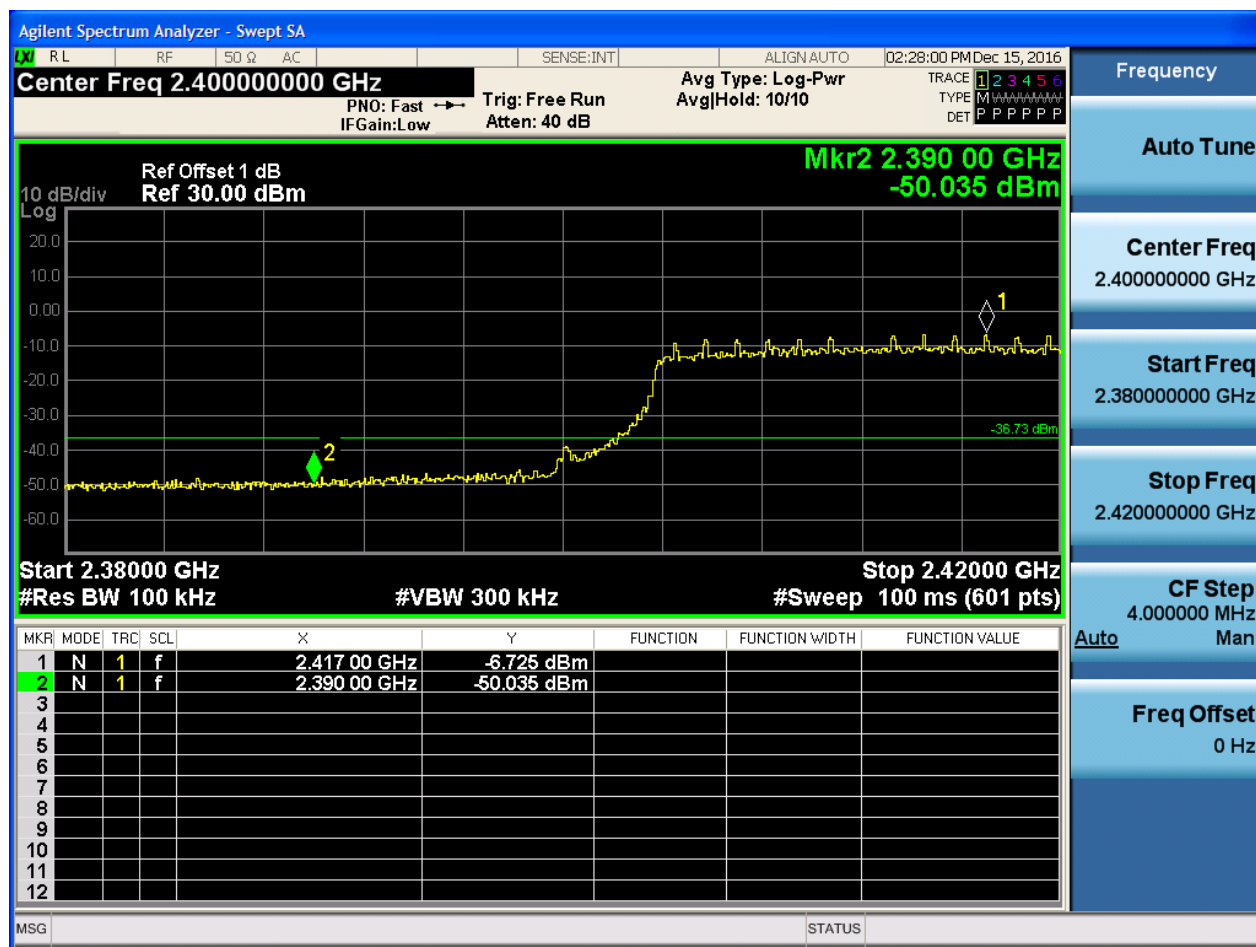
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.419 47 GHz	-6.570 dBm			
2	N	1	f	2.390 00 GHz	-50.370 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

MSG STATUS

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

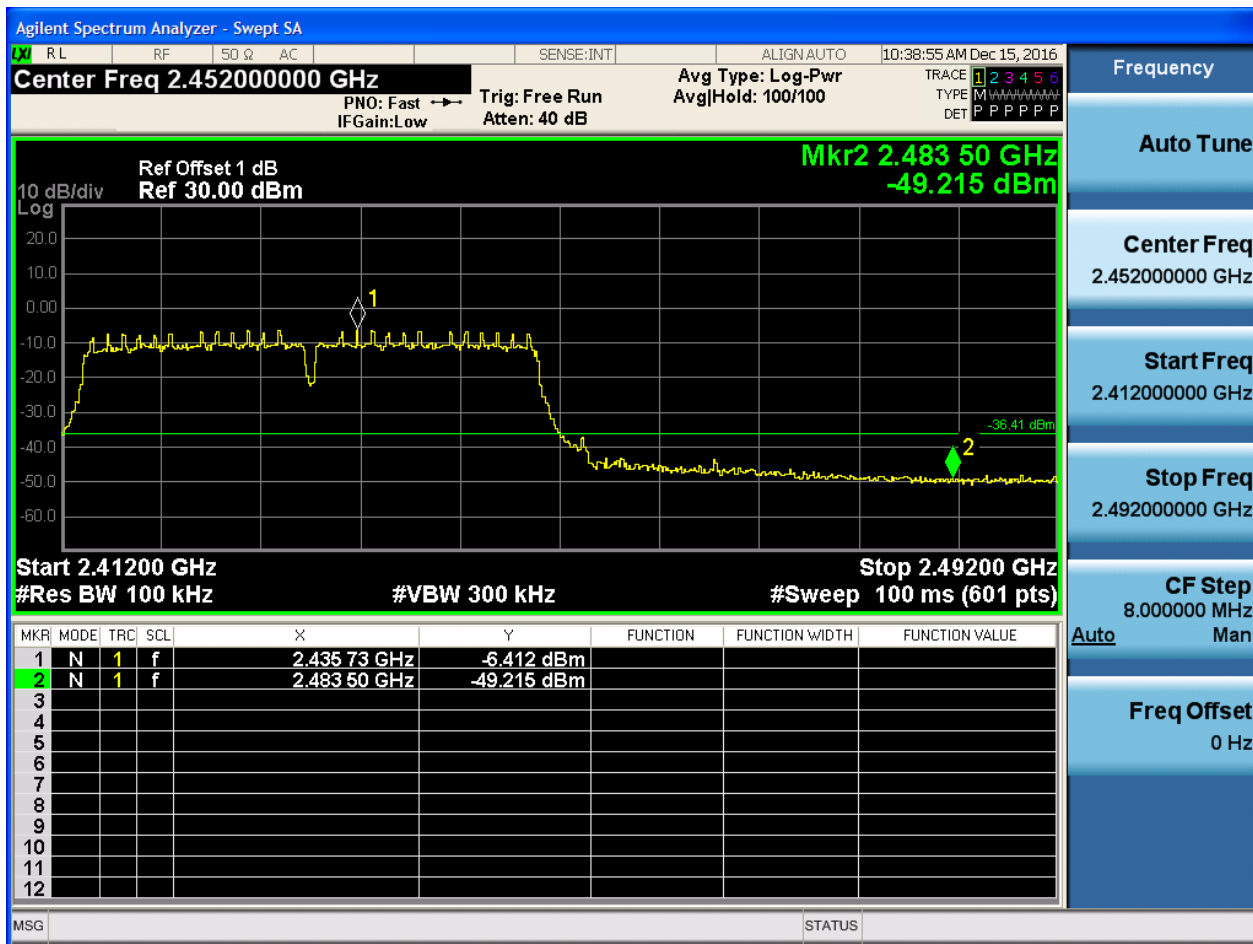


2.14 11N40_L@Ant 2



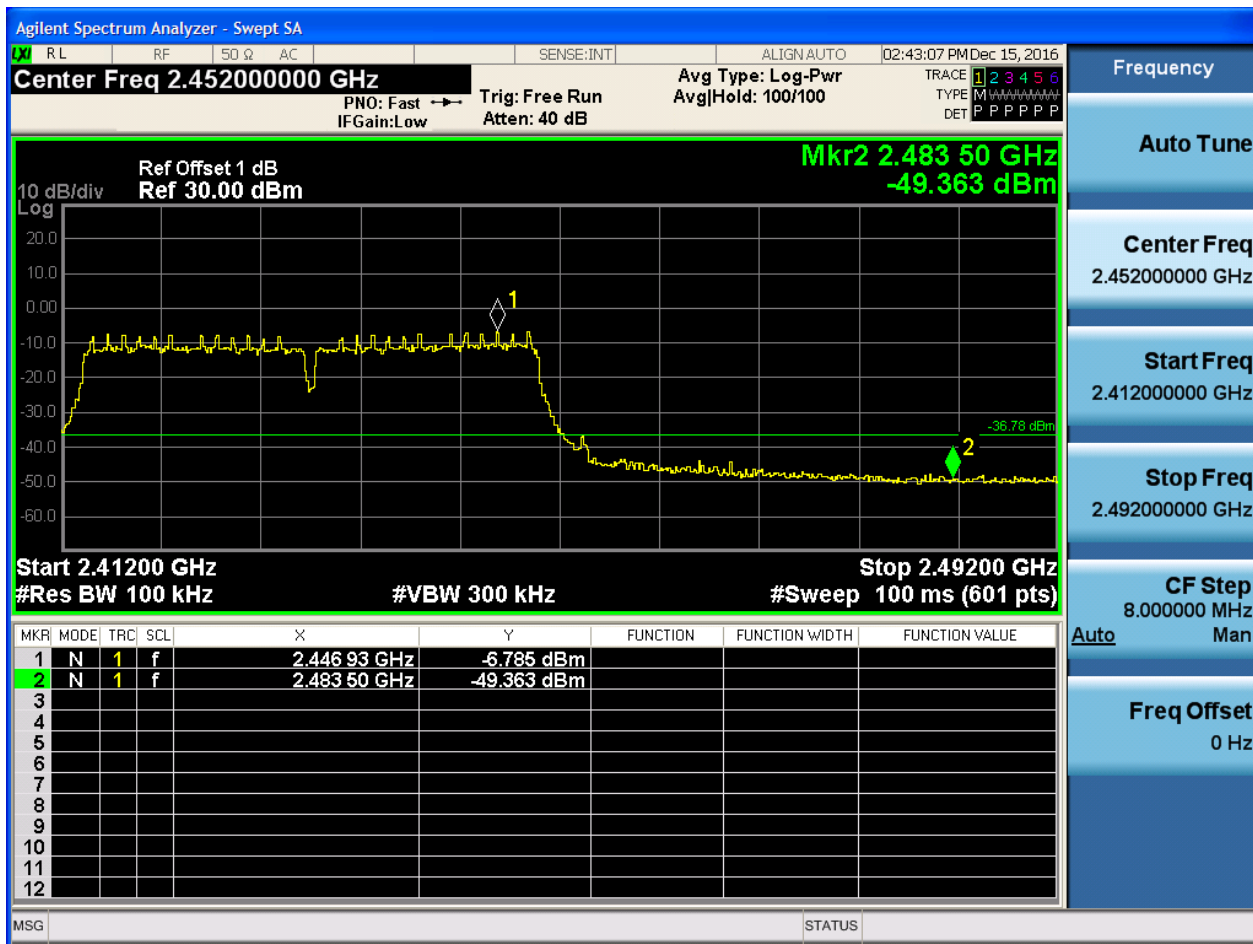


2.15 11N40_H@Ant 1



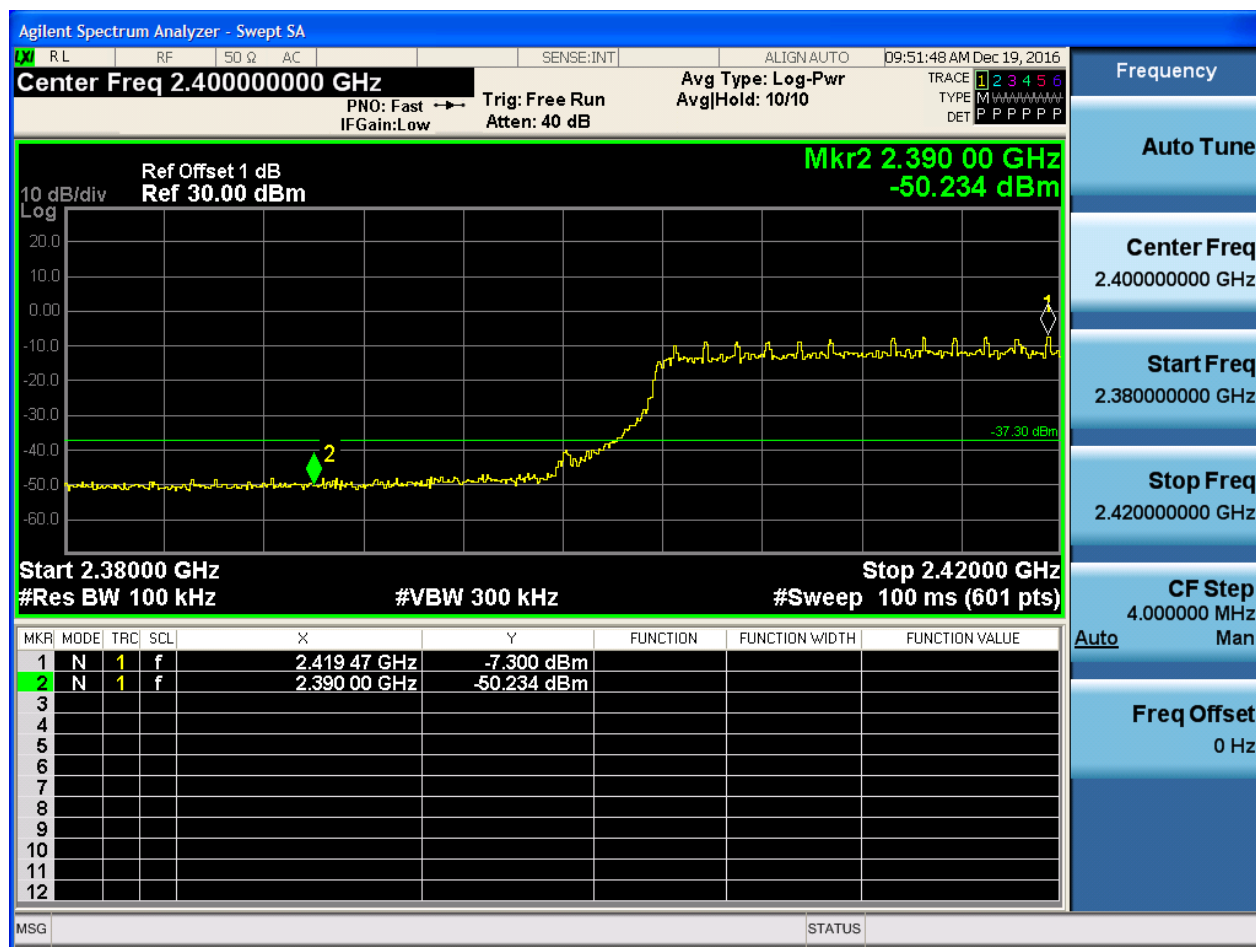


2.16 11N40_H@Ant 2



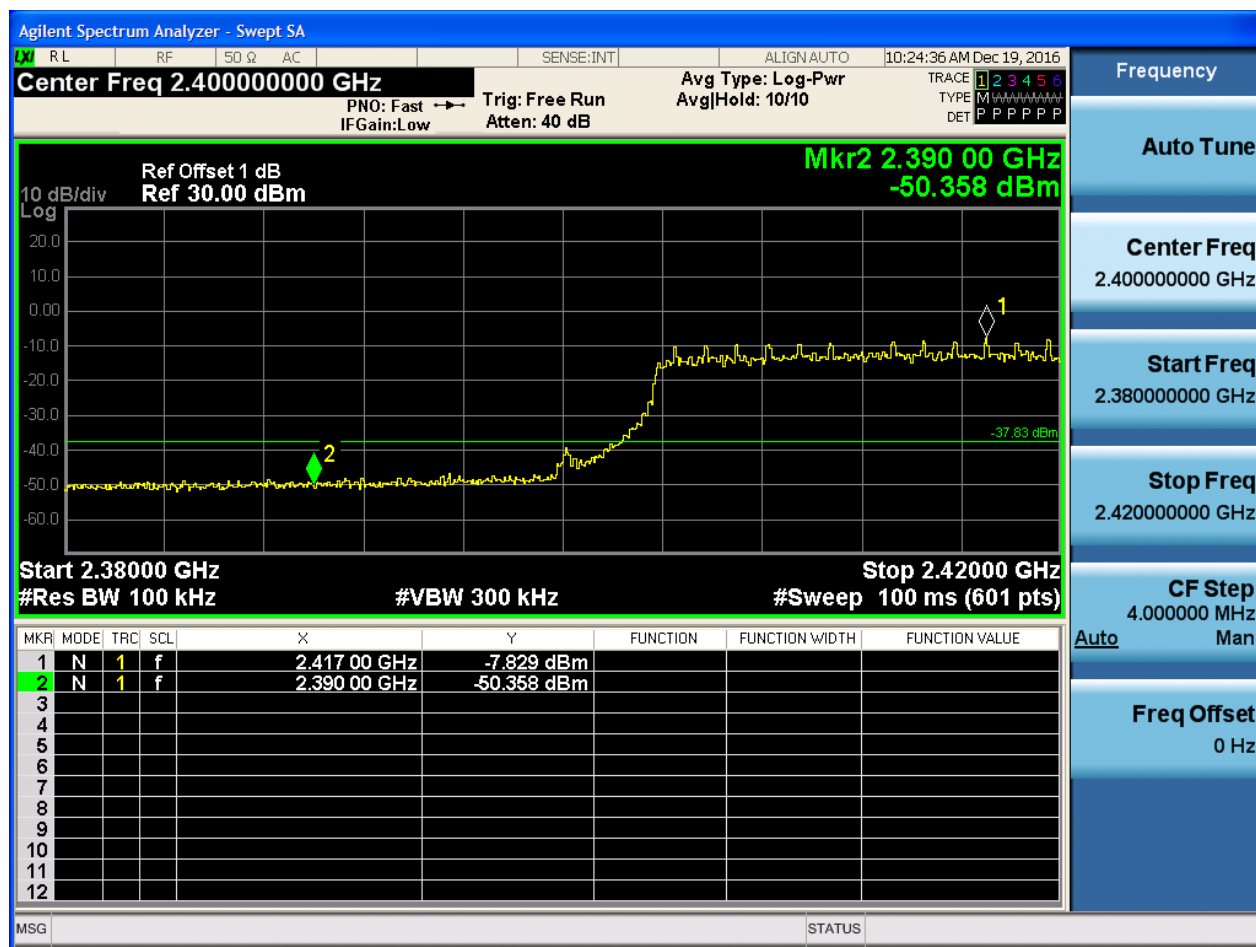


2.21 11N40m_L@Ant 1



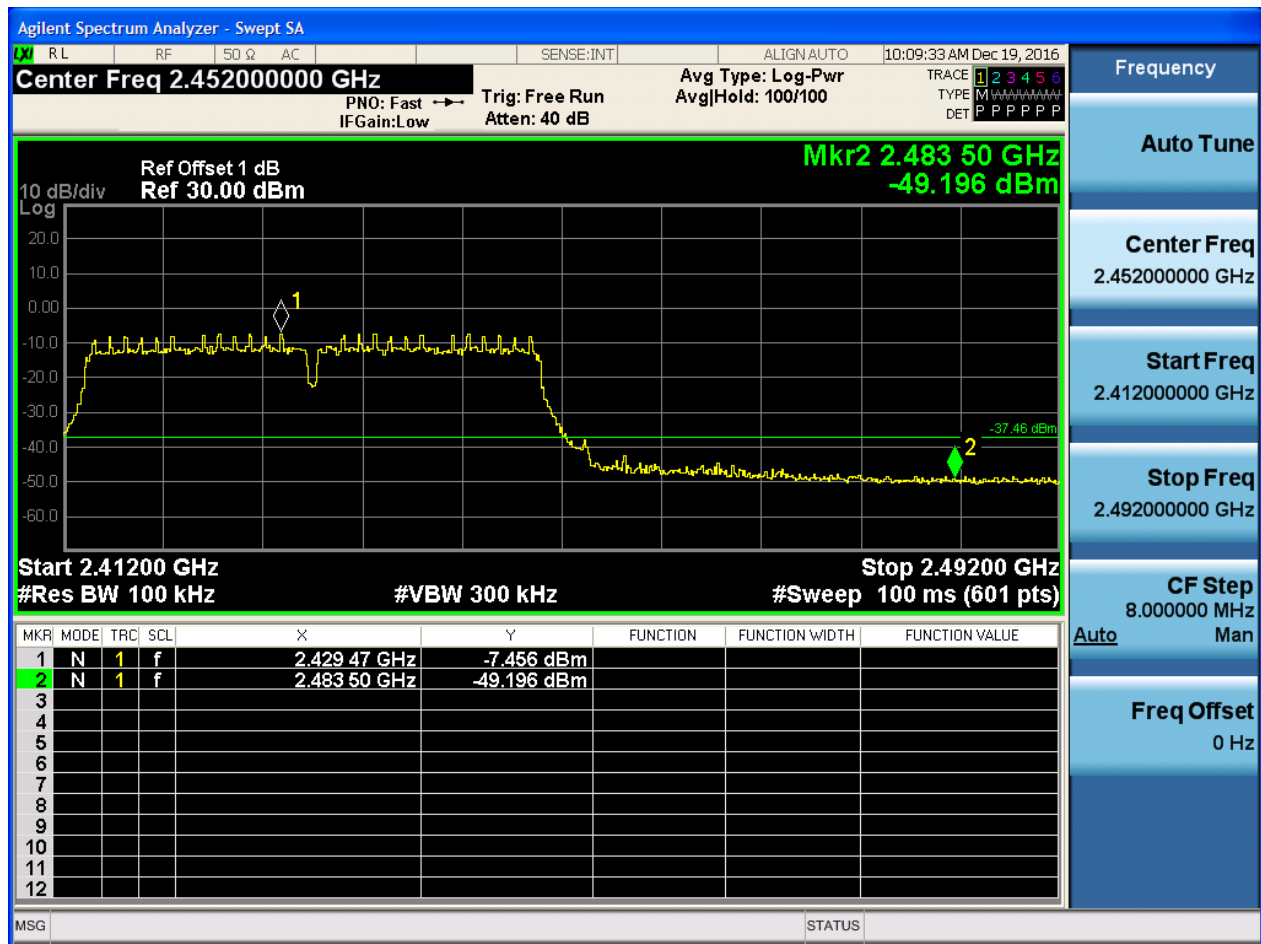


2.22 11N40m_L@Ant 2



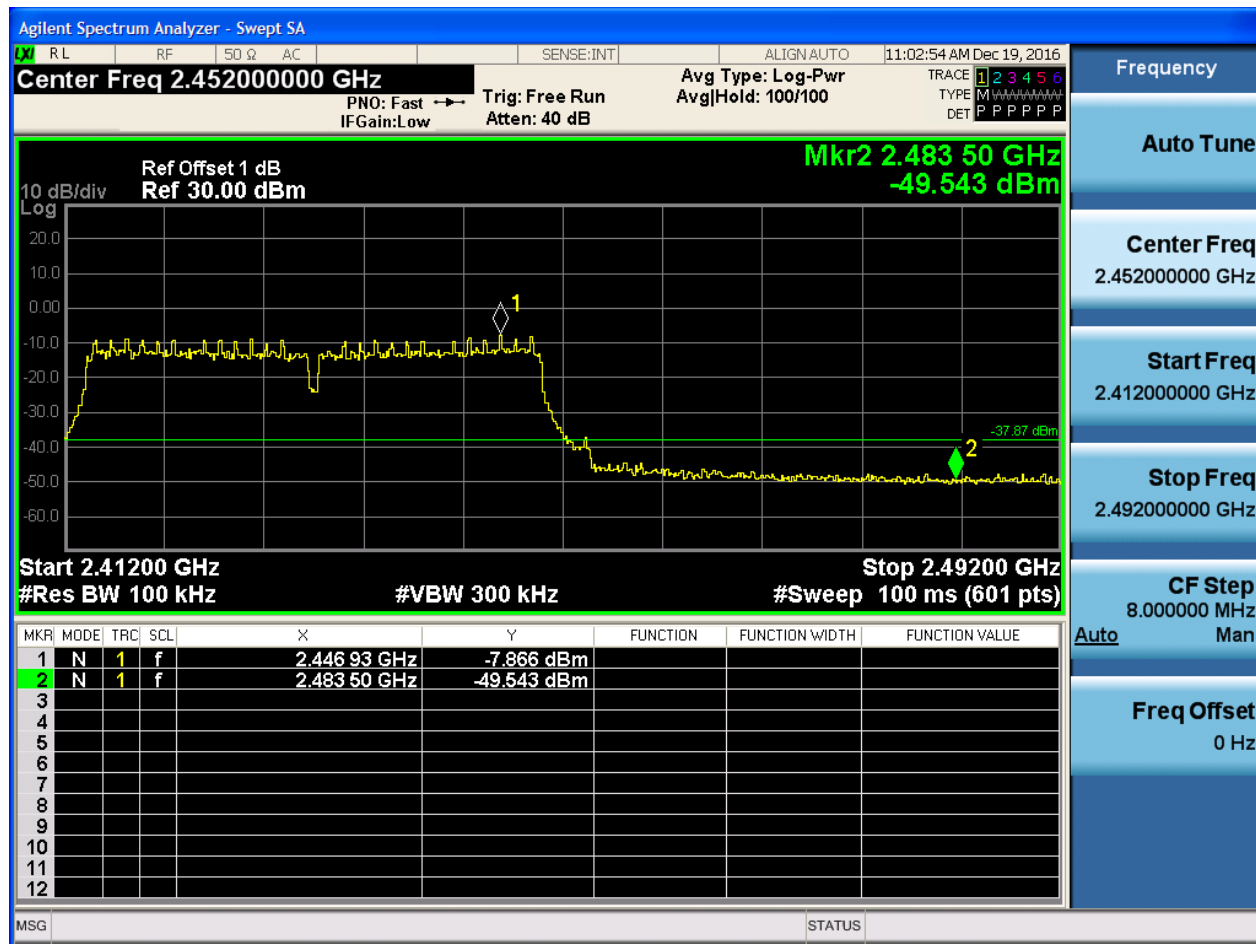


2.23 11N40m_H@Ant 1





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	2412	Ant 1	3.21	<limit	pass
11B	L	2412	Ant 2	2.72	<limit	pass
11B	M	2427	Ant 1	3.42	<limit	pass
11B	M	2427	Ant 2	1.61	<limit	pass
11B	H	2442	Ant 1	3.38	<limit	pass
11B	H	2442	Ant 2	3.63	<limit	pass
11G	L	2412	Ant 1	-1.38	<limit	pass
11G	L	2412	Ant 2	-1.29	<limit	pass
11G	M	2427	Ant 1	-0.90	<limit	pass
11G	M	2427	Ant 2	-1.86	<limit	pass
11G	H	2442	Ant 1	-0.54	<limit	pass
11G	H	2442	Ant 2	-0.61	<limit	pass
11N20	L	2412	Ant 1	-2.70	<limit	pass
11N20	L	2412	Ant 2	-2.94	<limit	pass
11N20	M	2427	Ant 1	-2.88	<limit	pass
11N20	M	2427	Ant 2	-3.38	<limit	pass
11N20	H	2442	Ant 1	-2.32	<limit	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11N20	H	2442	Ant 2	-2.40	<limit	pass
11N20m	L	2412	Ant 1	-1.17	<limit	pass
11N20m	L	2412	Ant 2	-4.13	<limit	pass
11N20m	M	2427	Ant 1	-3.55	<limit	pass
11N20m	M	2427	Ant 2	-4.73	<limit	pass
11N20m	H	2442	Ant 1	-3.51	<limit	pass
11N20m	H	2442	Ant 2	-3.89	<limit	pass
11N40	L	2422	Ant 1	-5.96	<limit	pass
11N40	L	2422	Ant 2	-6.71	<limit	pass
11N40	M	2427	Ant 1	-5.94	<limit	pass
11N40	M	2427	Ant 2	-6.52	<limit	pass
11N40	H	2432	Ant 1	-5.99	<limit	pass
11N40	H	2432	Ant 2	-6.75	<limit	pass
11N40m	L	2422	Ant 1	-6.88	<limit	pass
11N40m	L	2422	Ant 2	-7.49	<limit	pass
11N40m	M	2427	Ant 1	-6.94	<limit	pass
11N40m	M	2427	Ant 2	-8.27	<limit	pass
11N40m	H	2432	Ant 1	-7.09	<limit	pass
11N40m	H	2432	Ant 2	-7.96	<limit	pass



Part II - Test Plots

2.1 11B_L@Ant 1

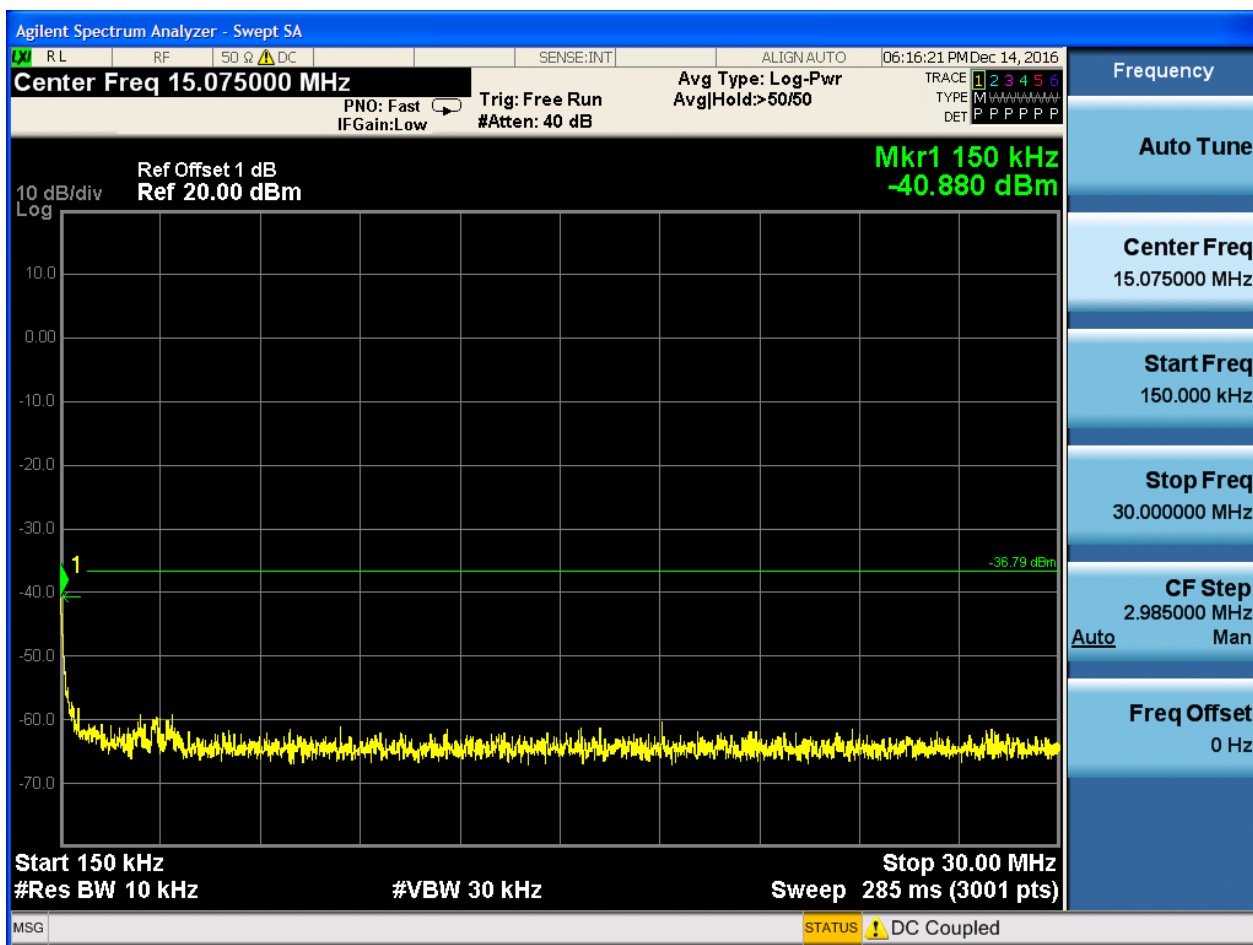
Pref:

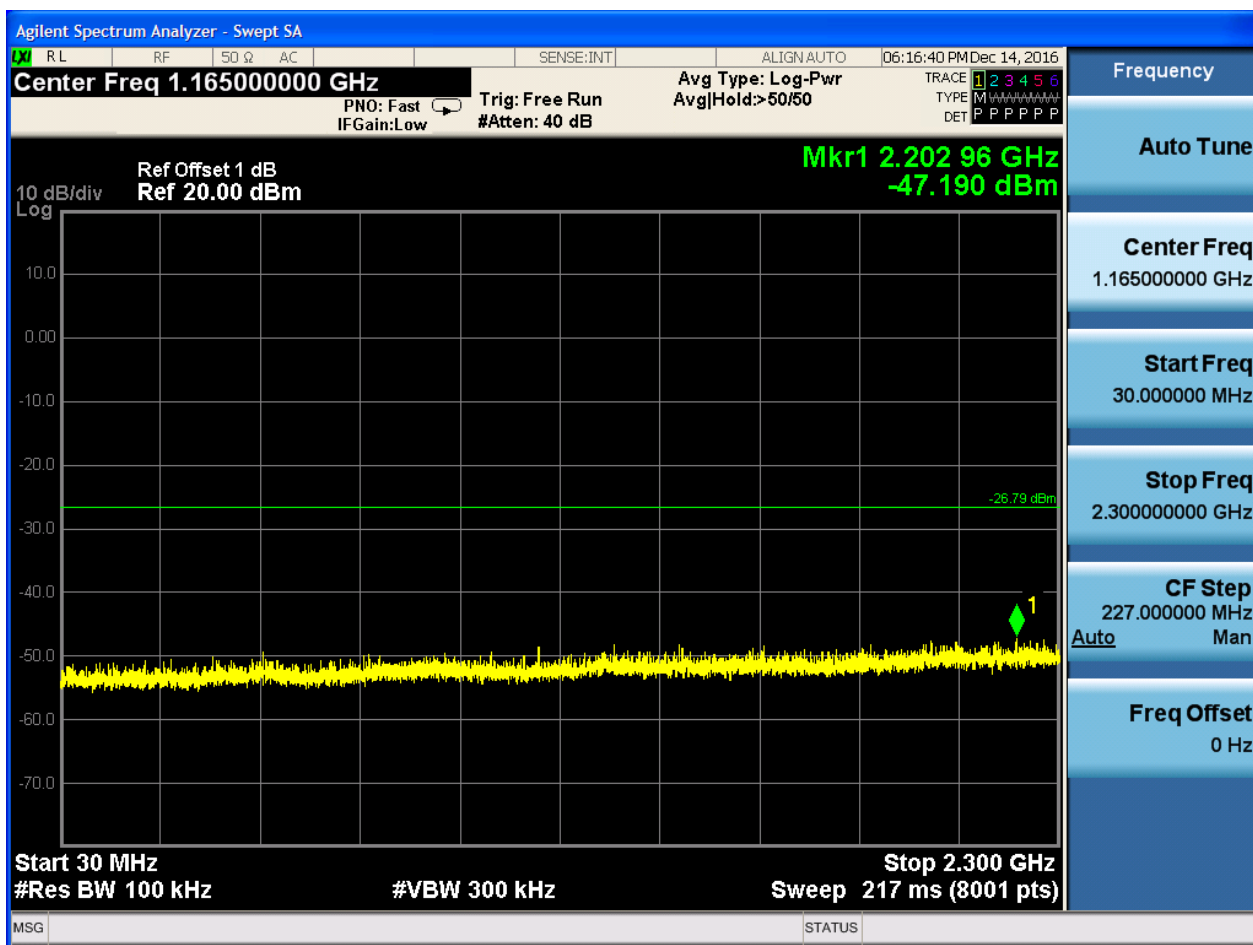


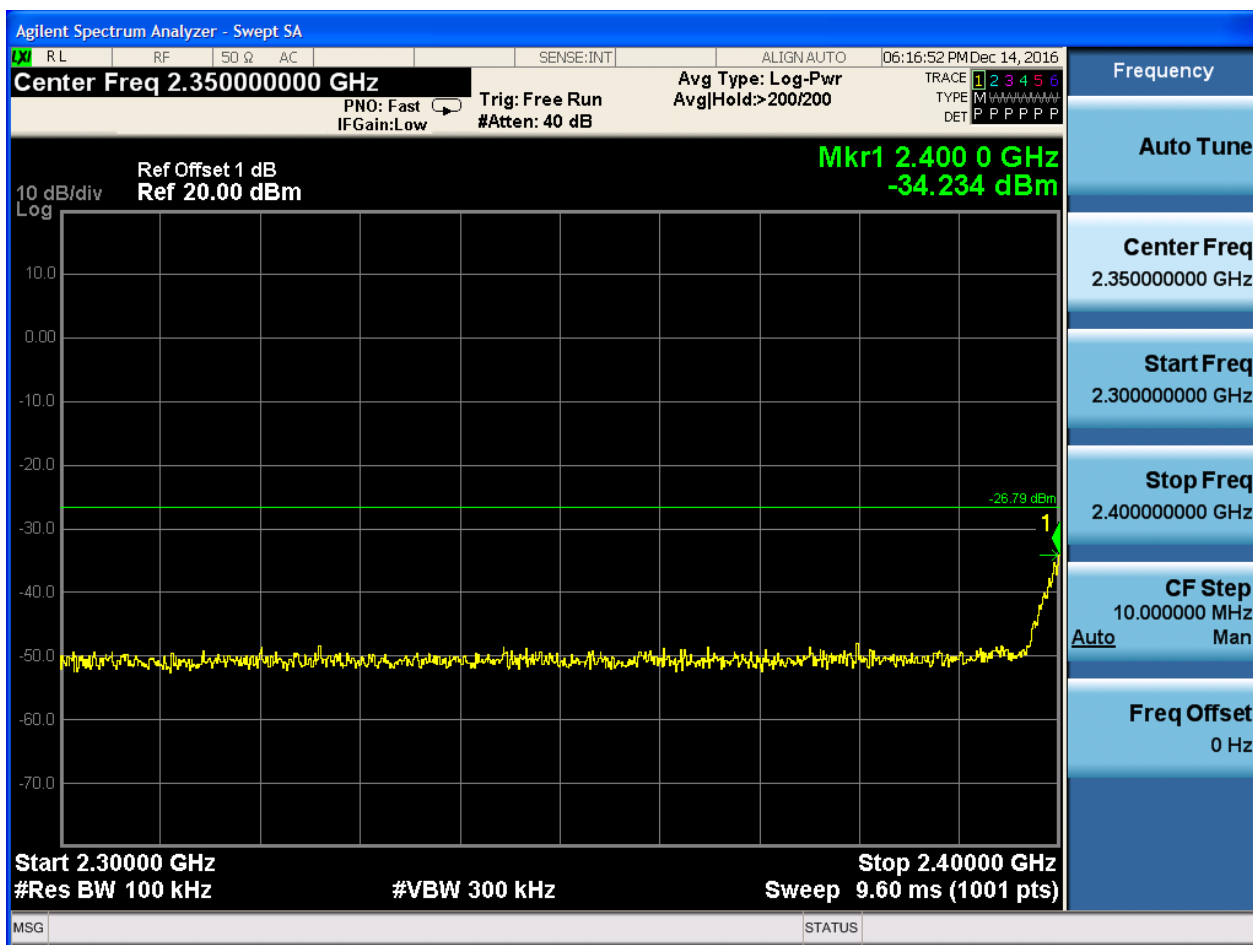


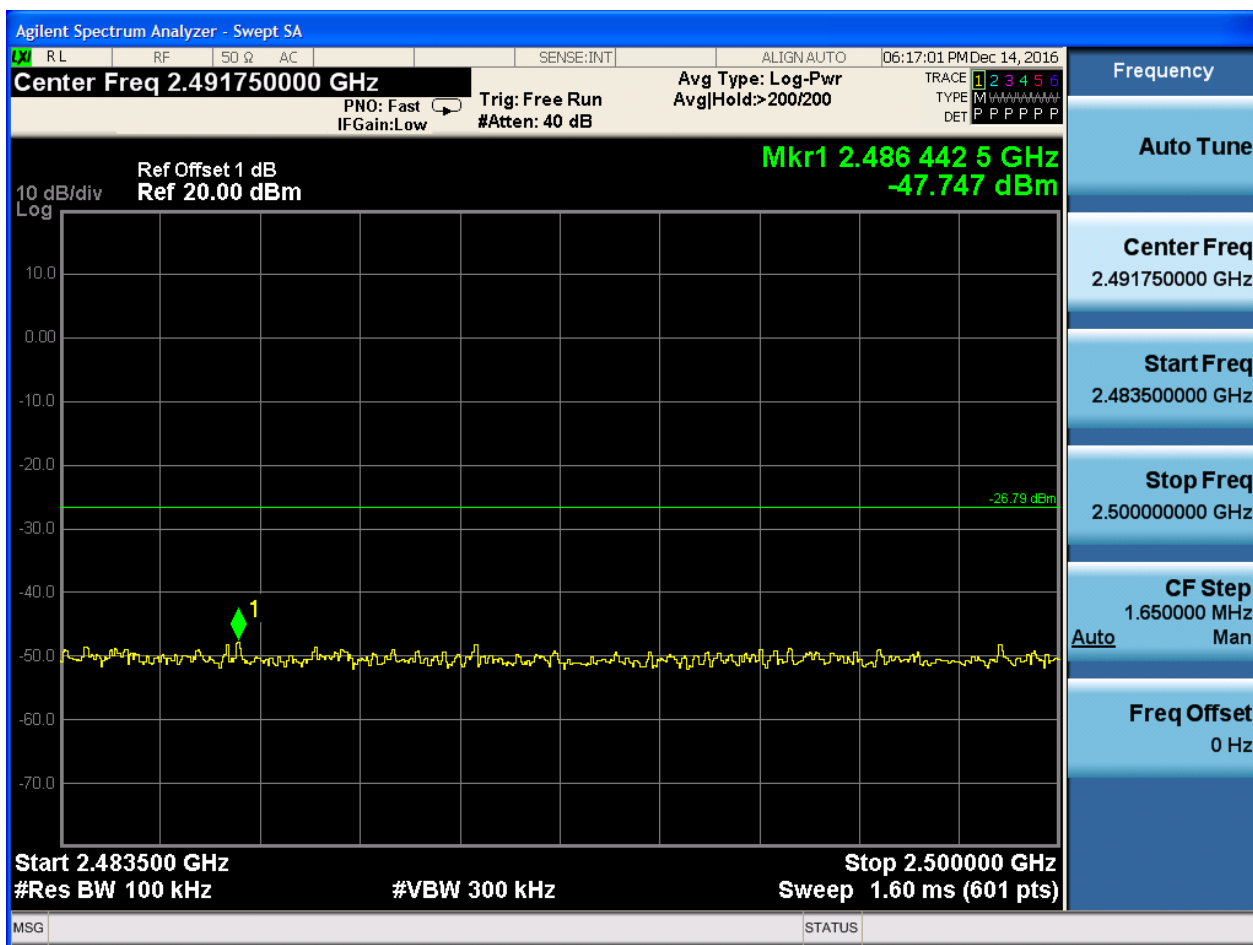
Puw:

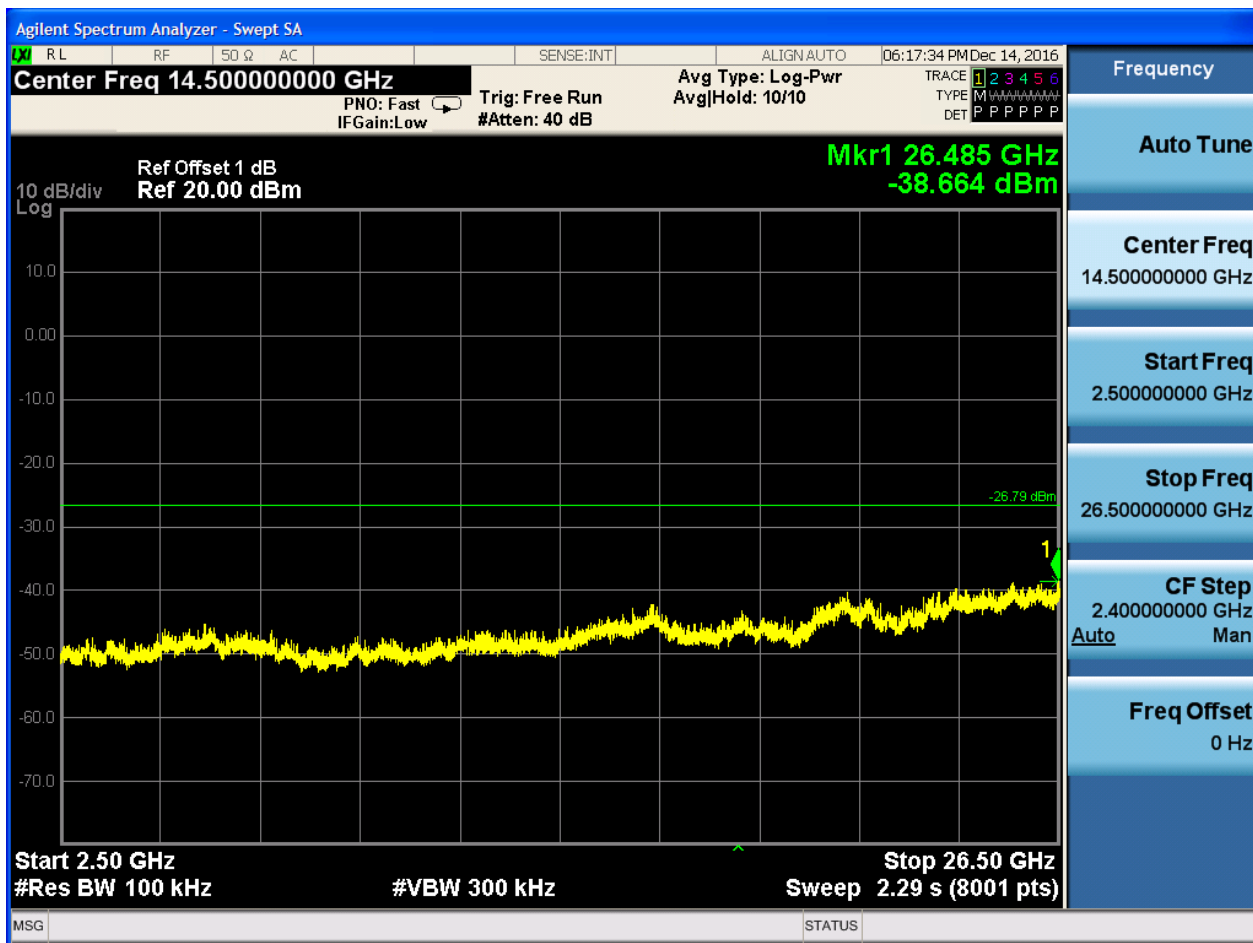














2.2 11B_L@Ant 2

Pref:

