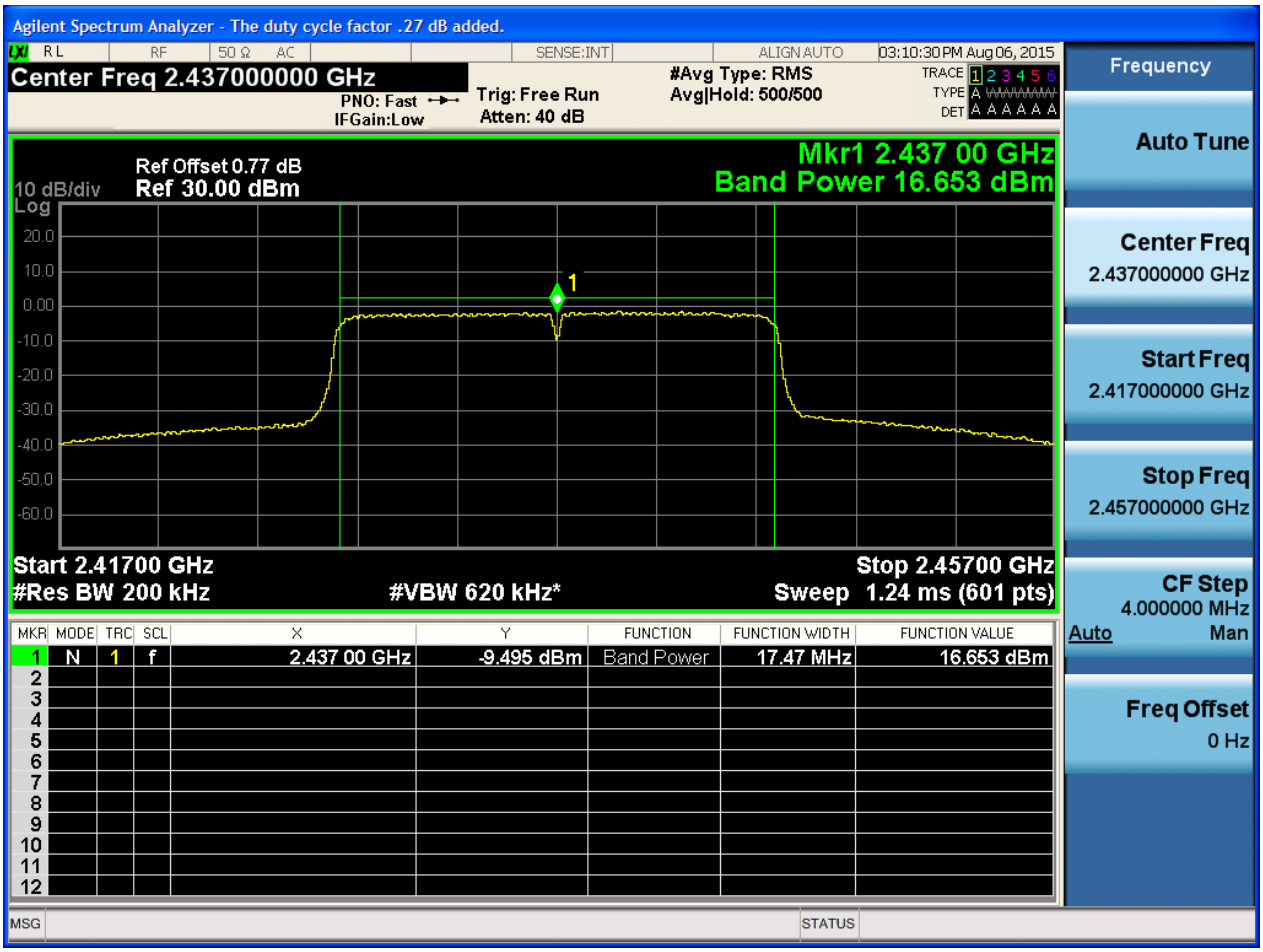
2.16 11N20m_M@Ant 2



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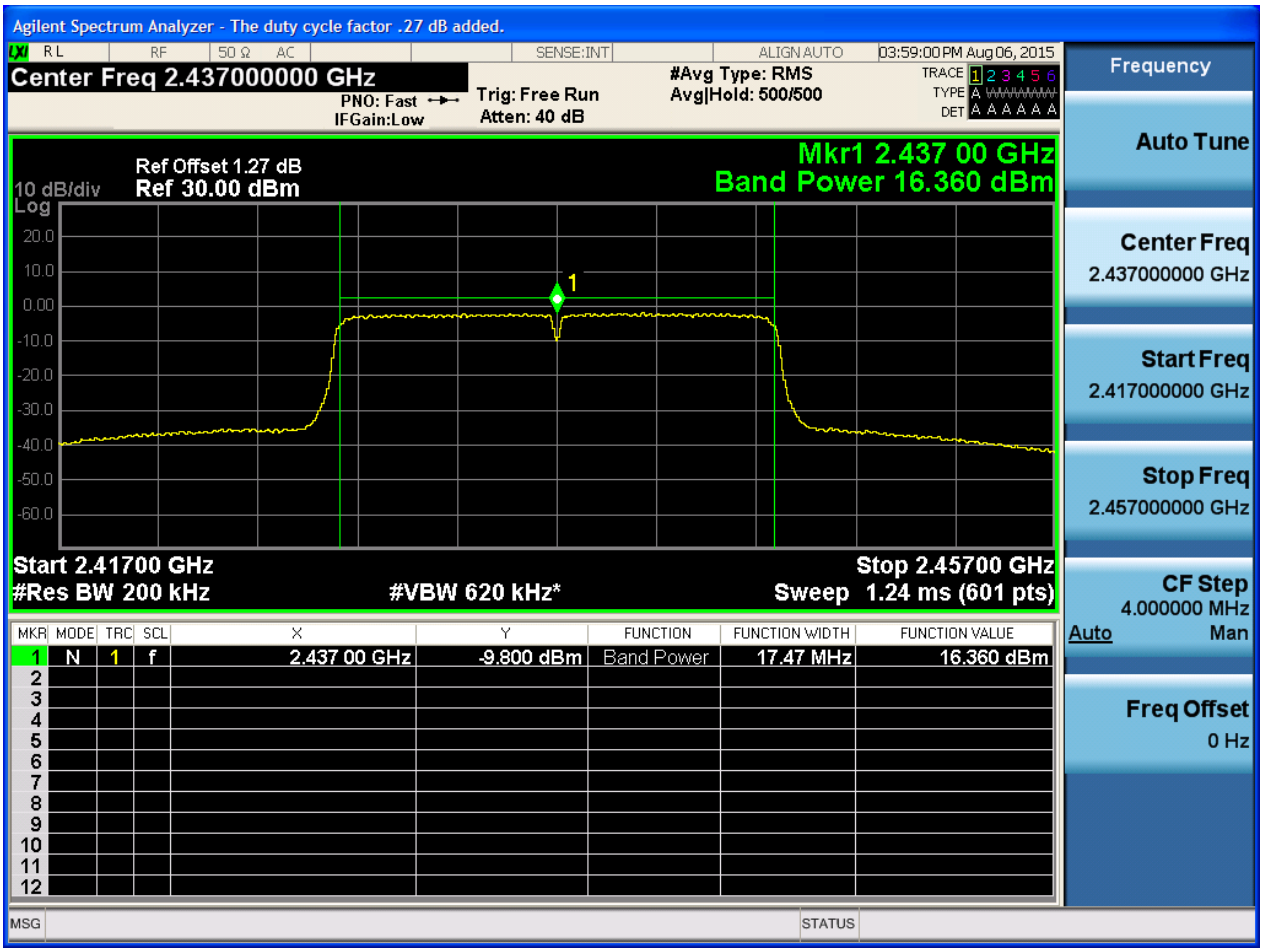

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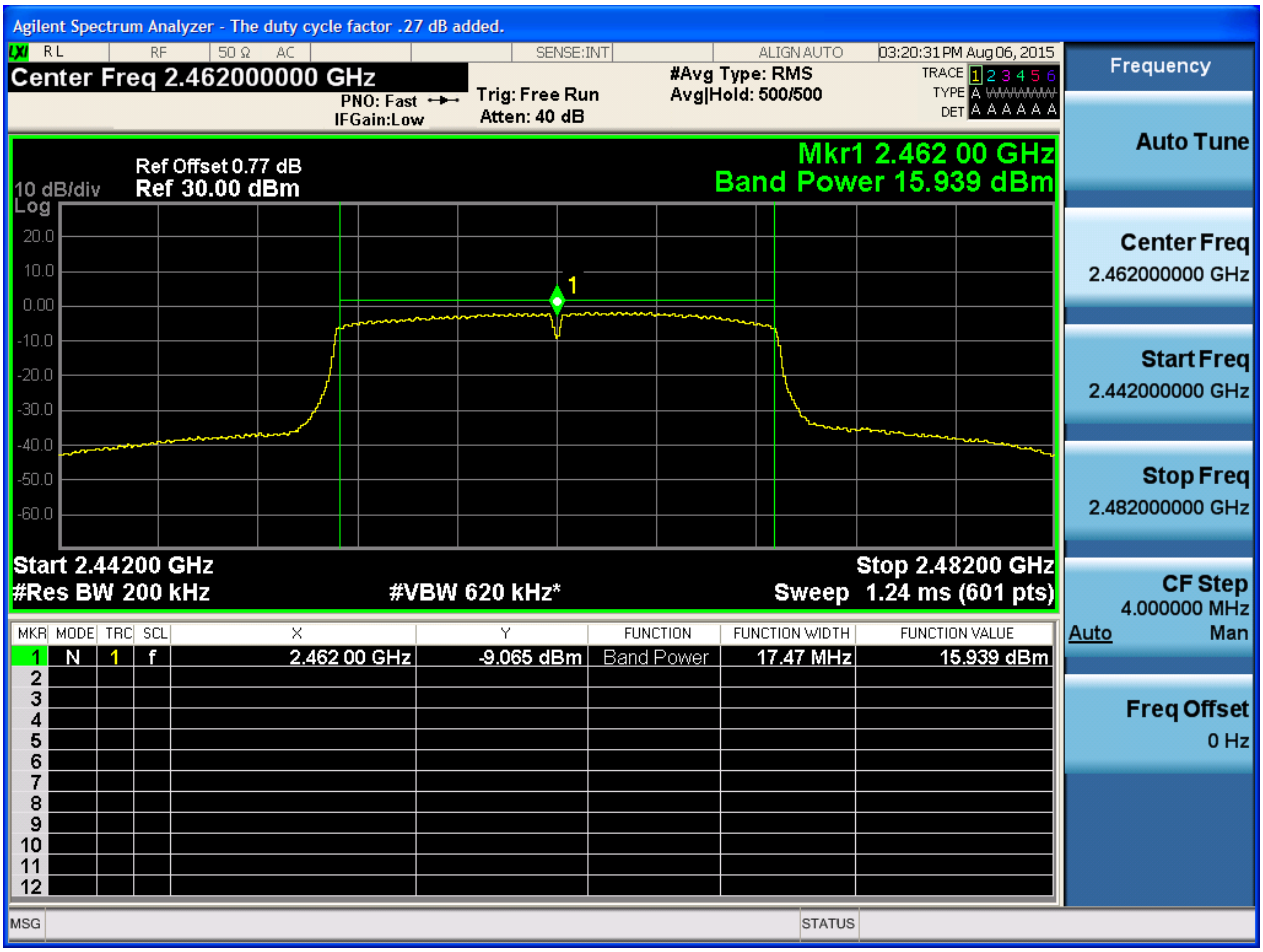

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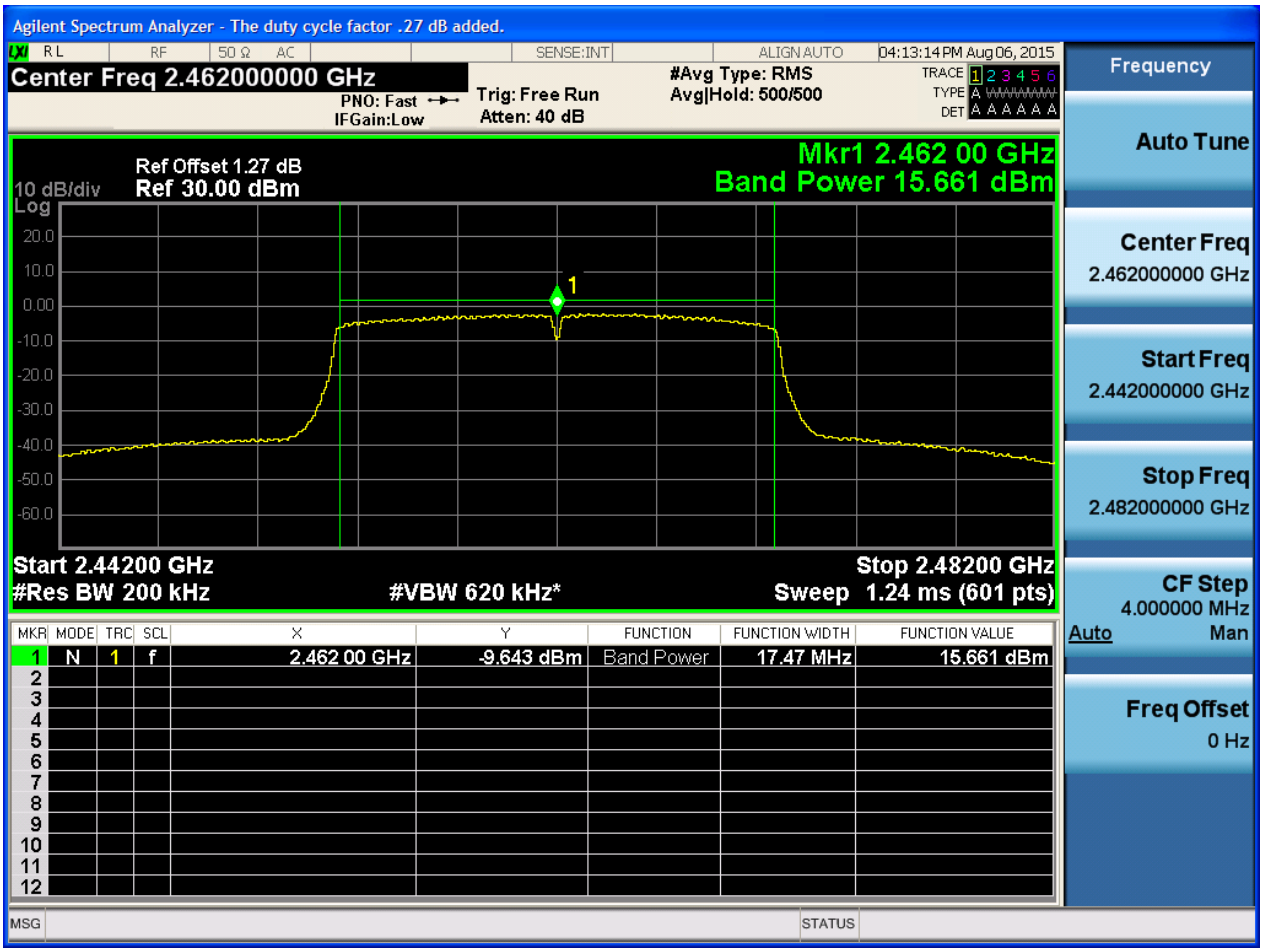

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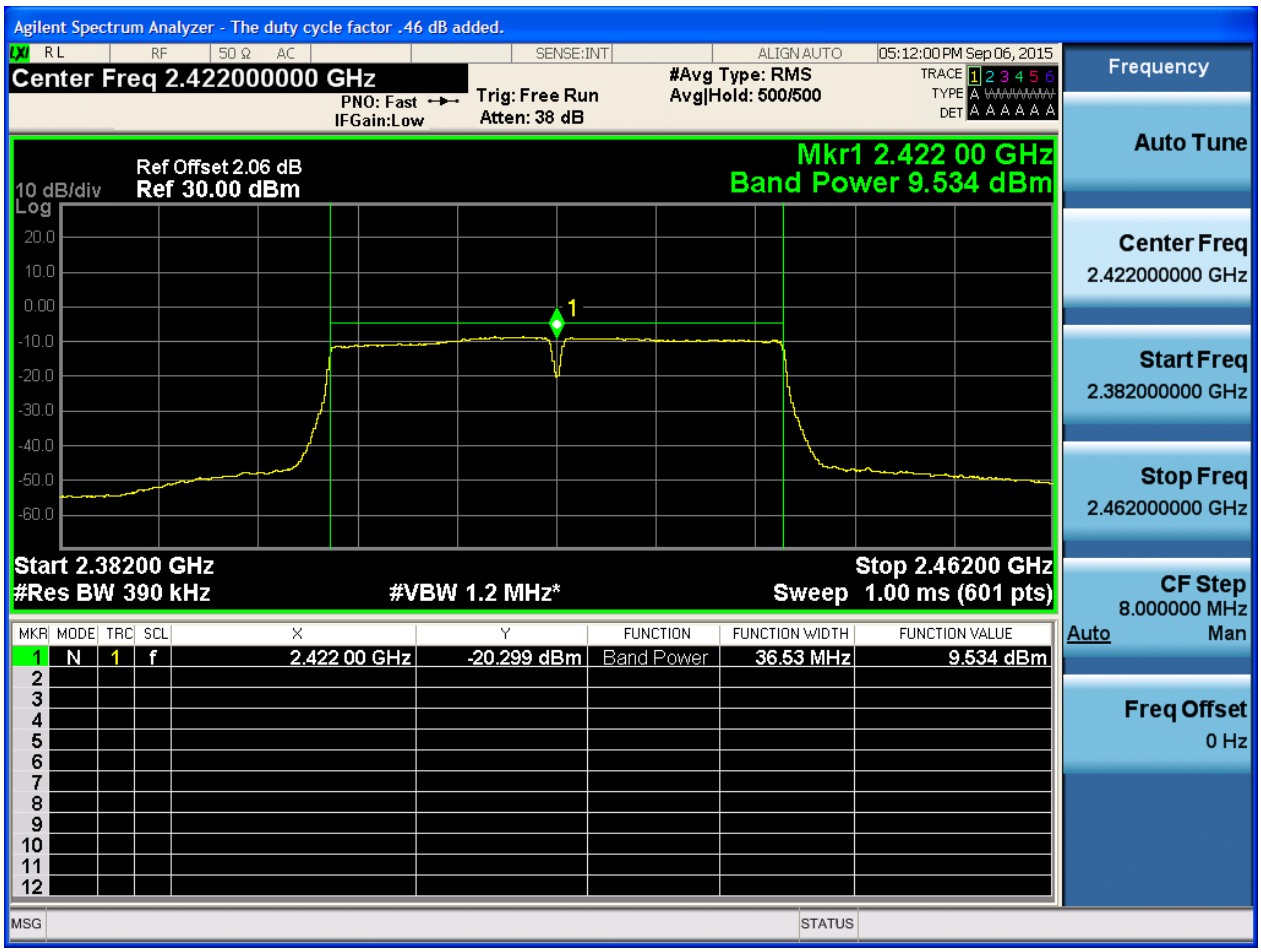

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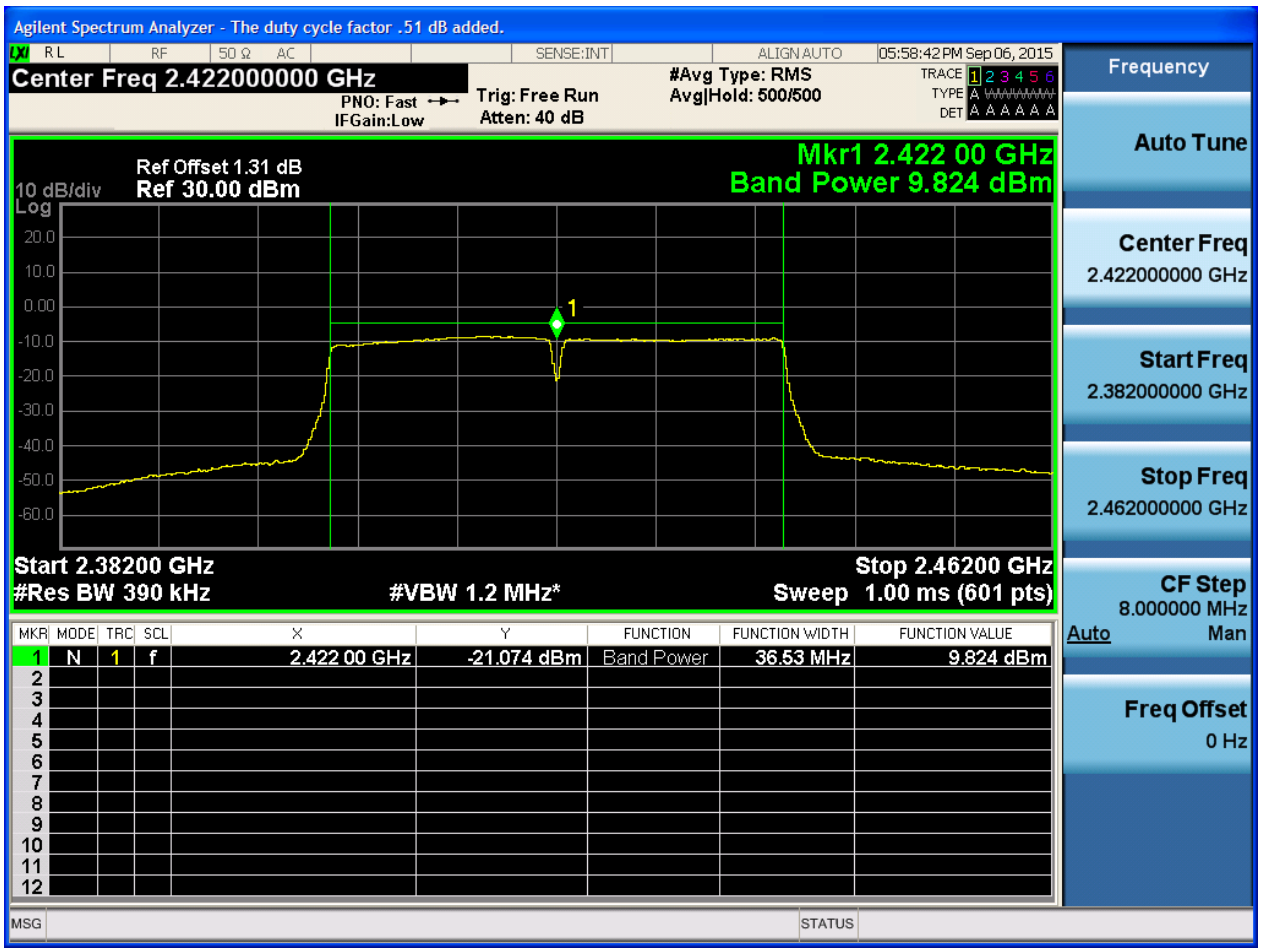

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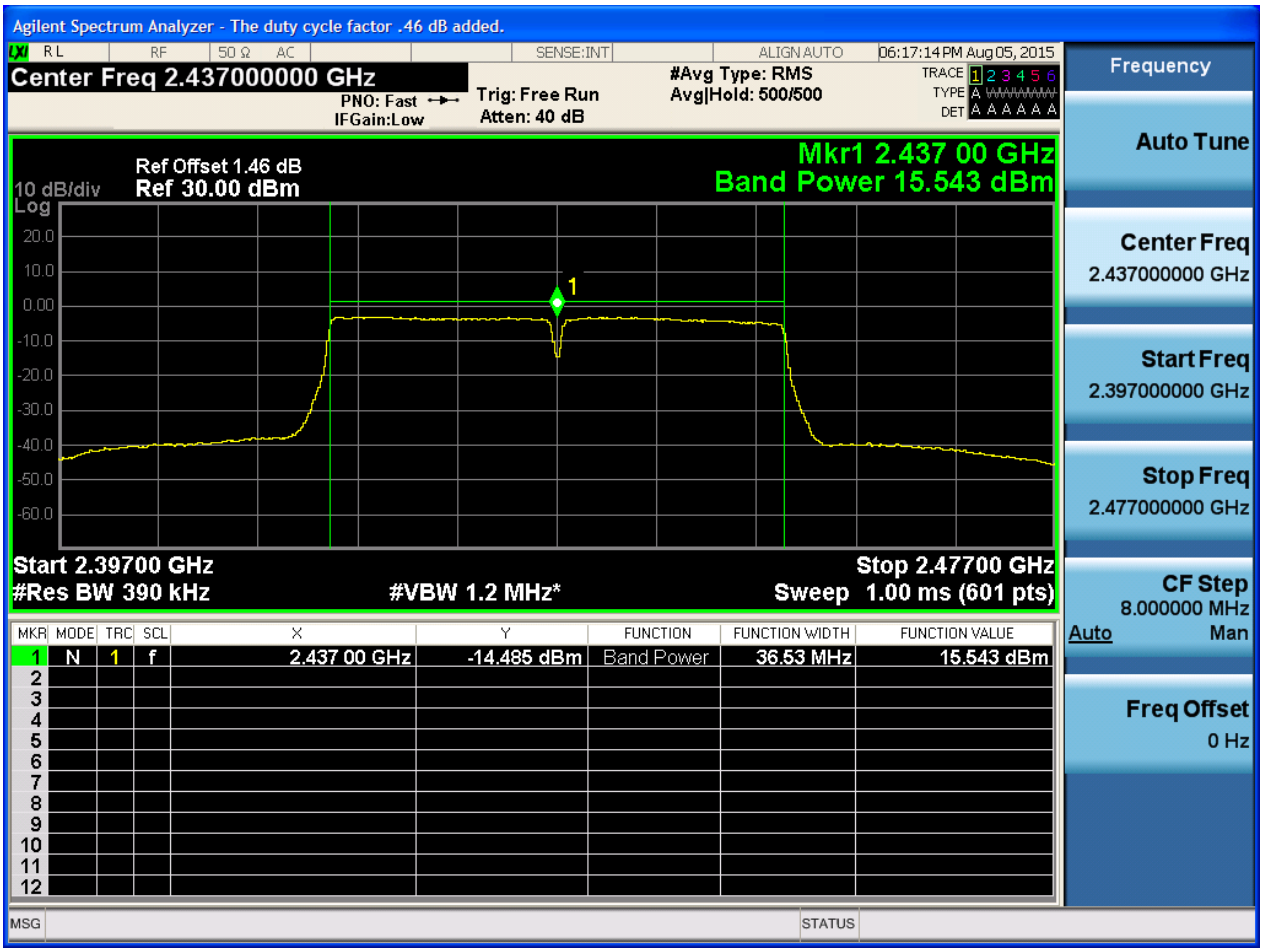

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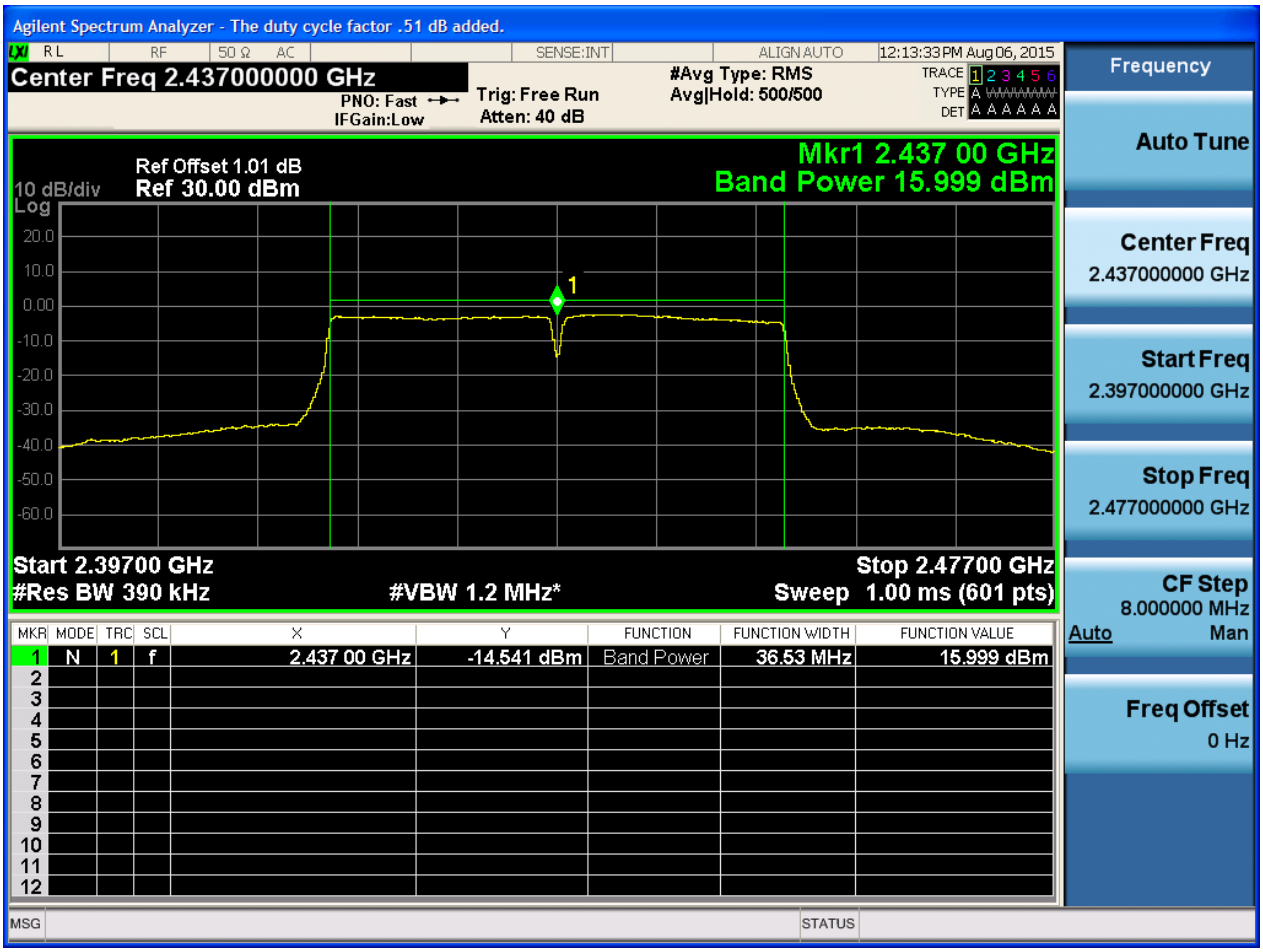

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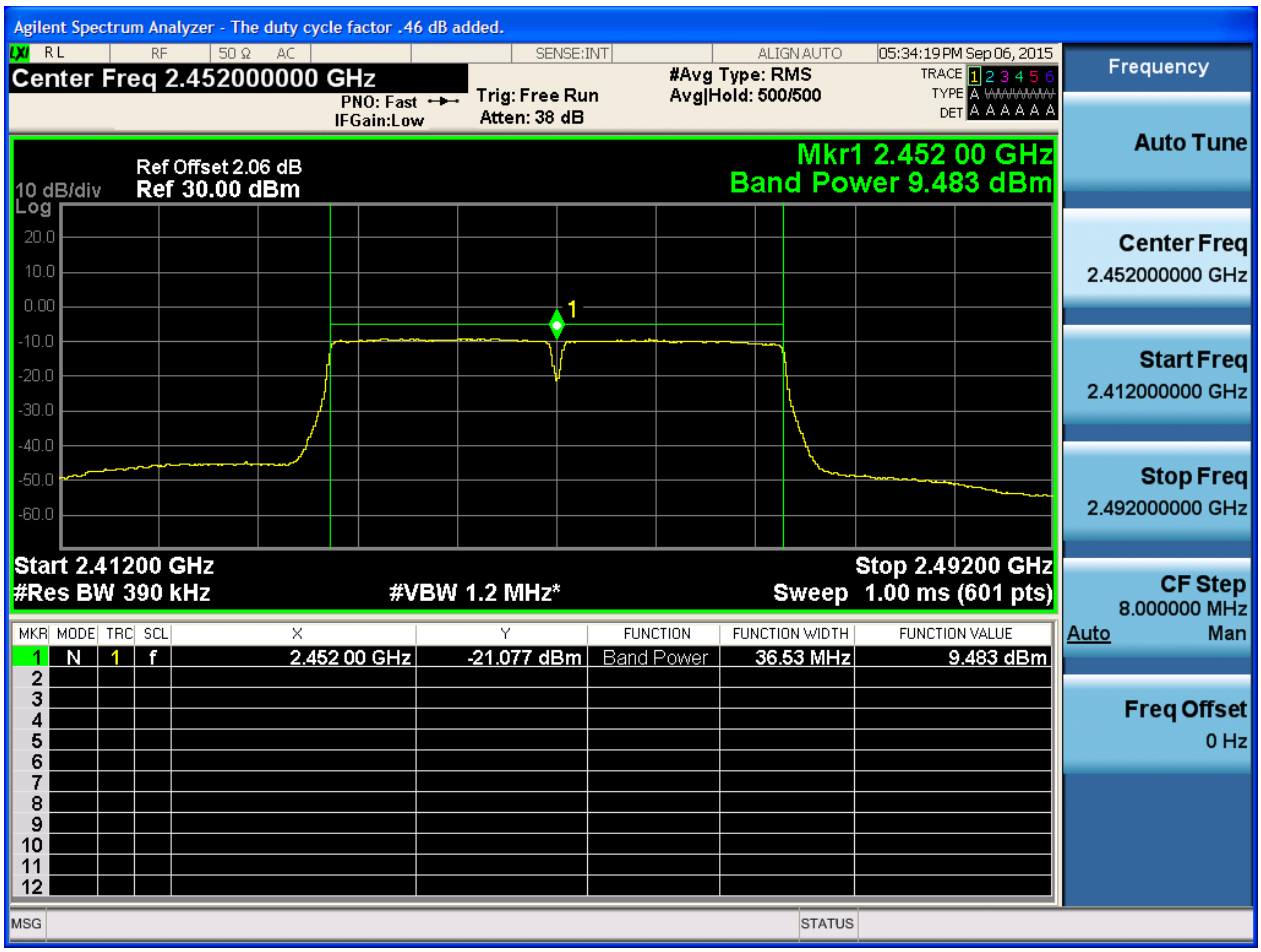

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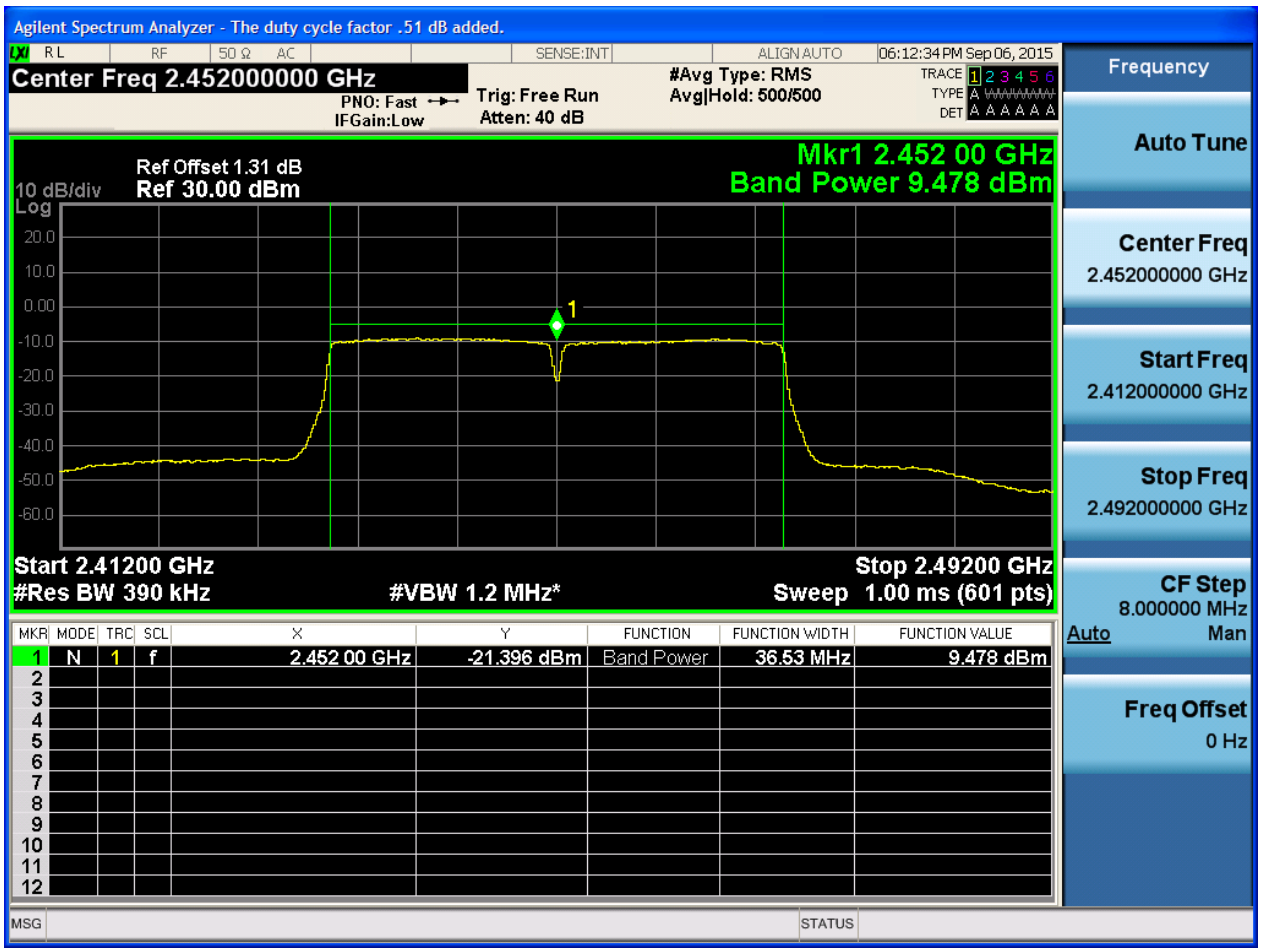

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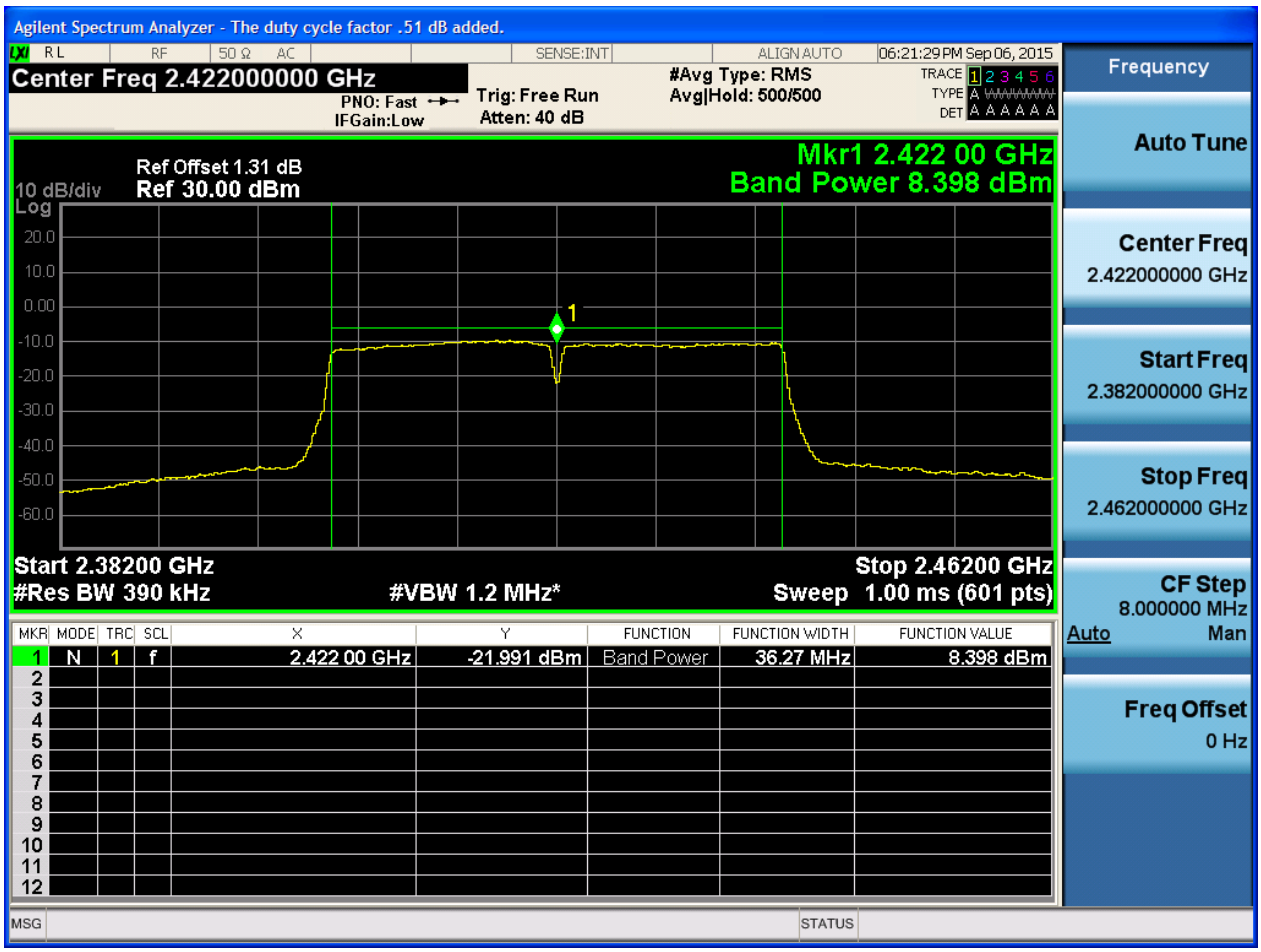

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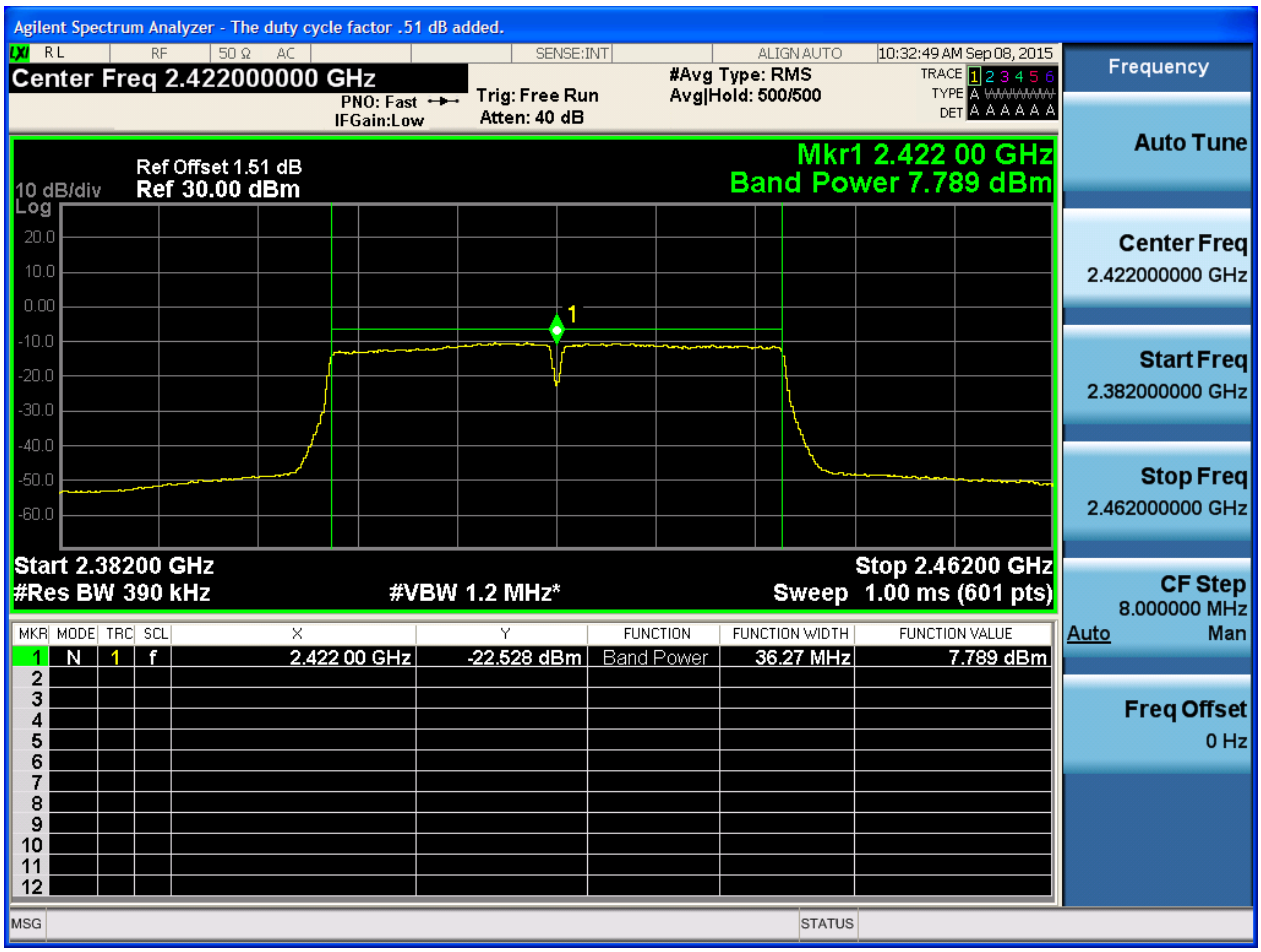

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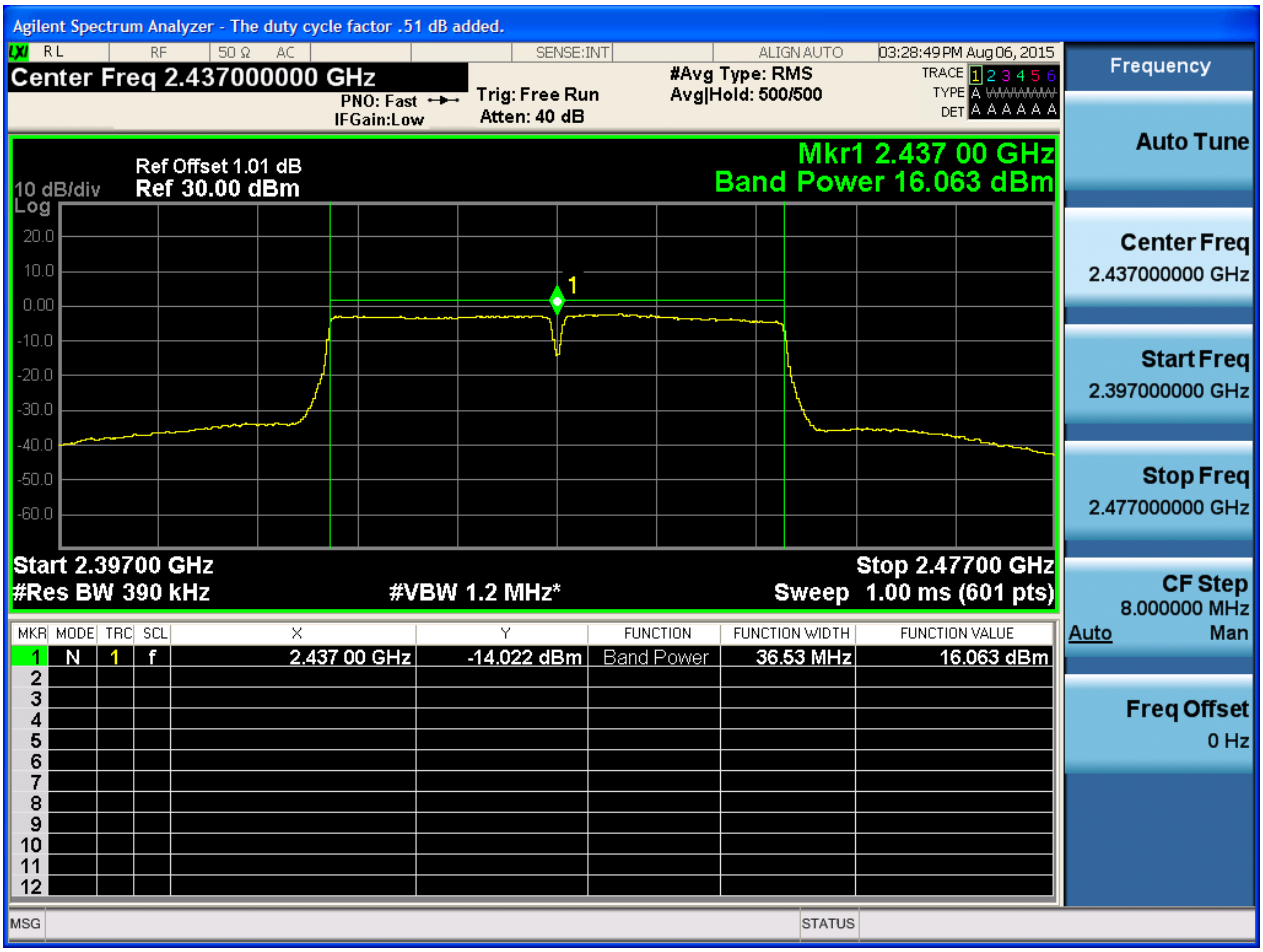

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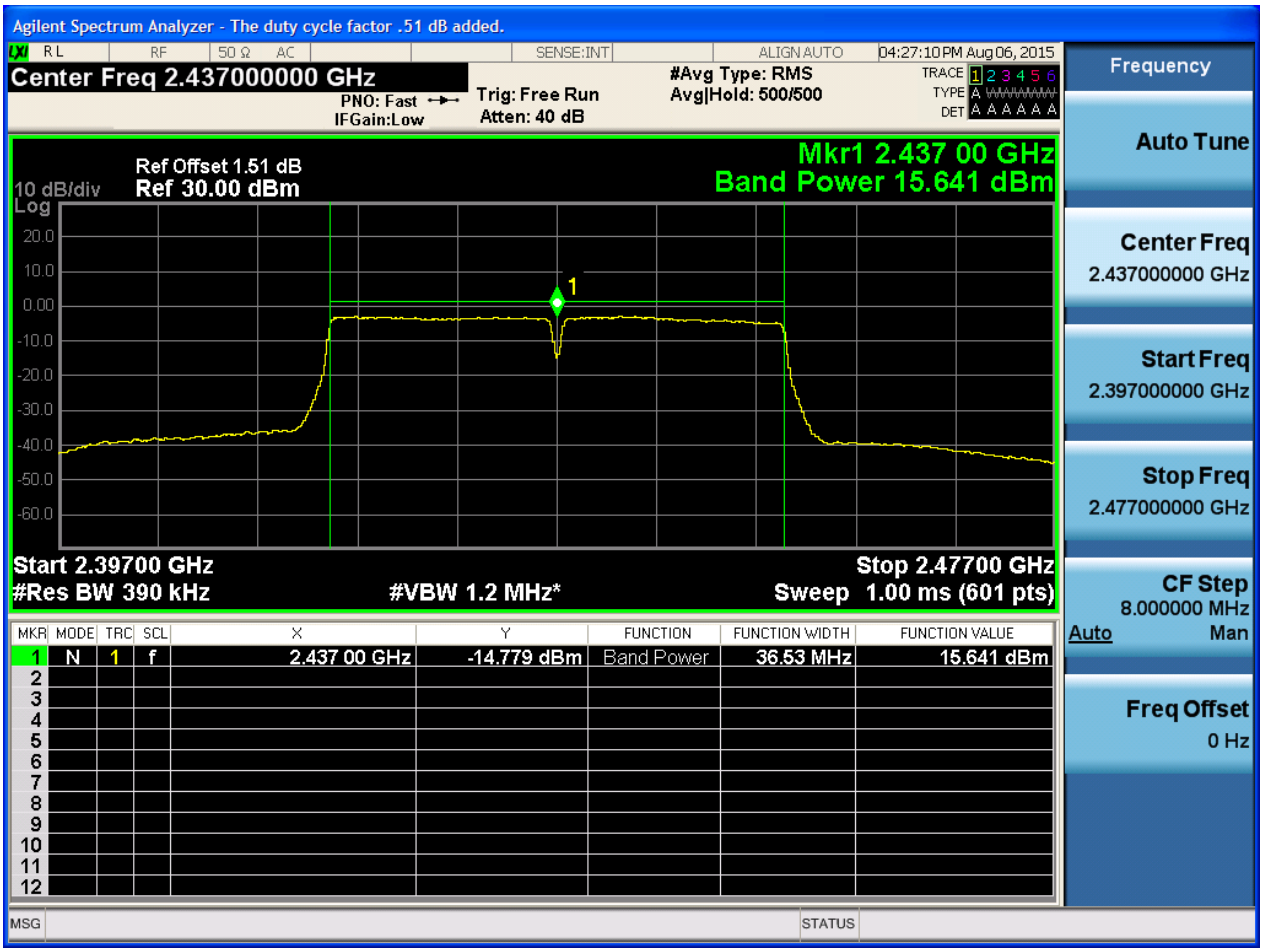

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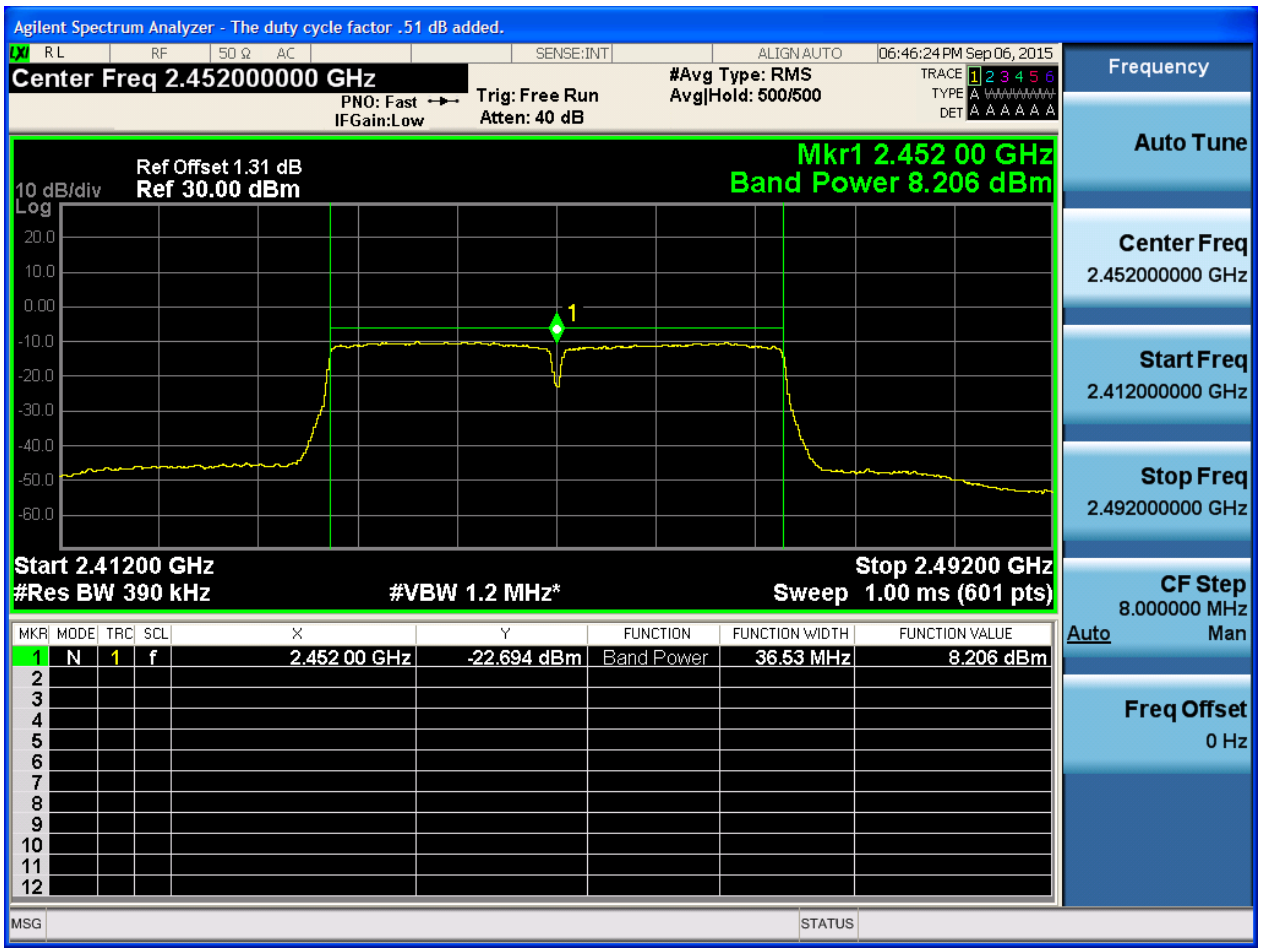

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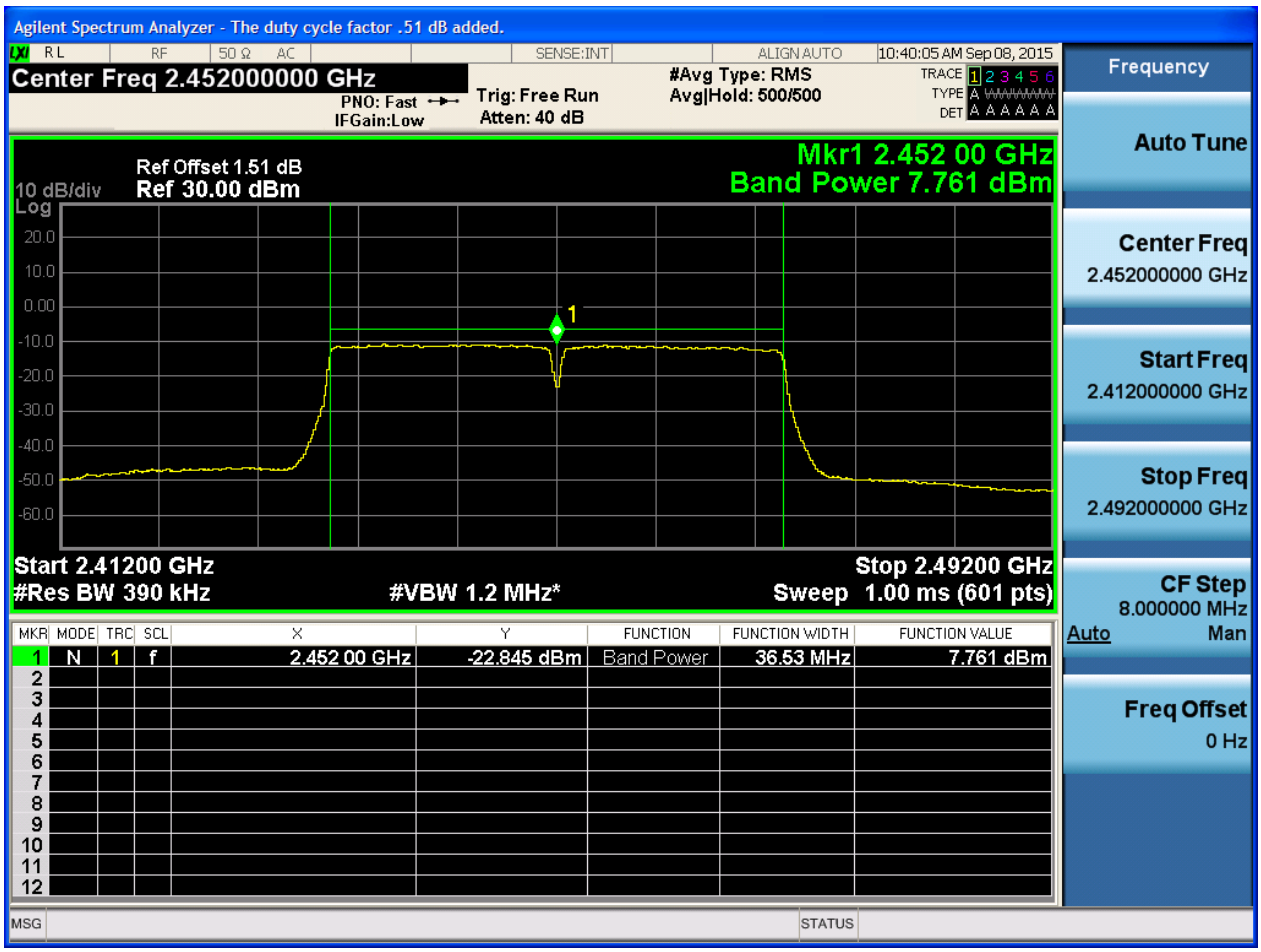

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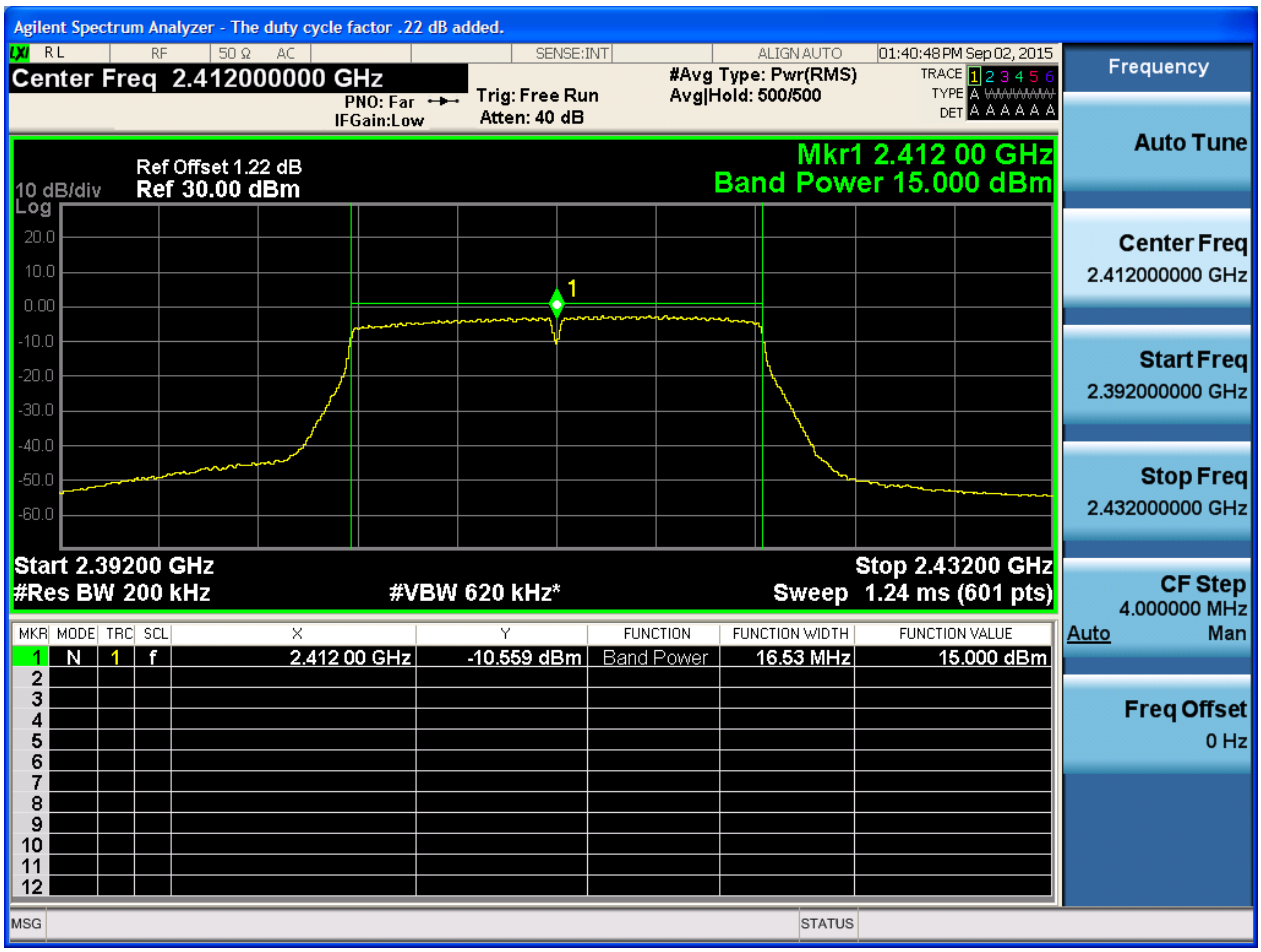

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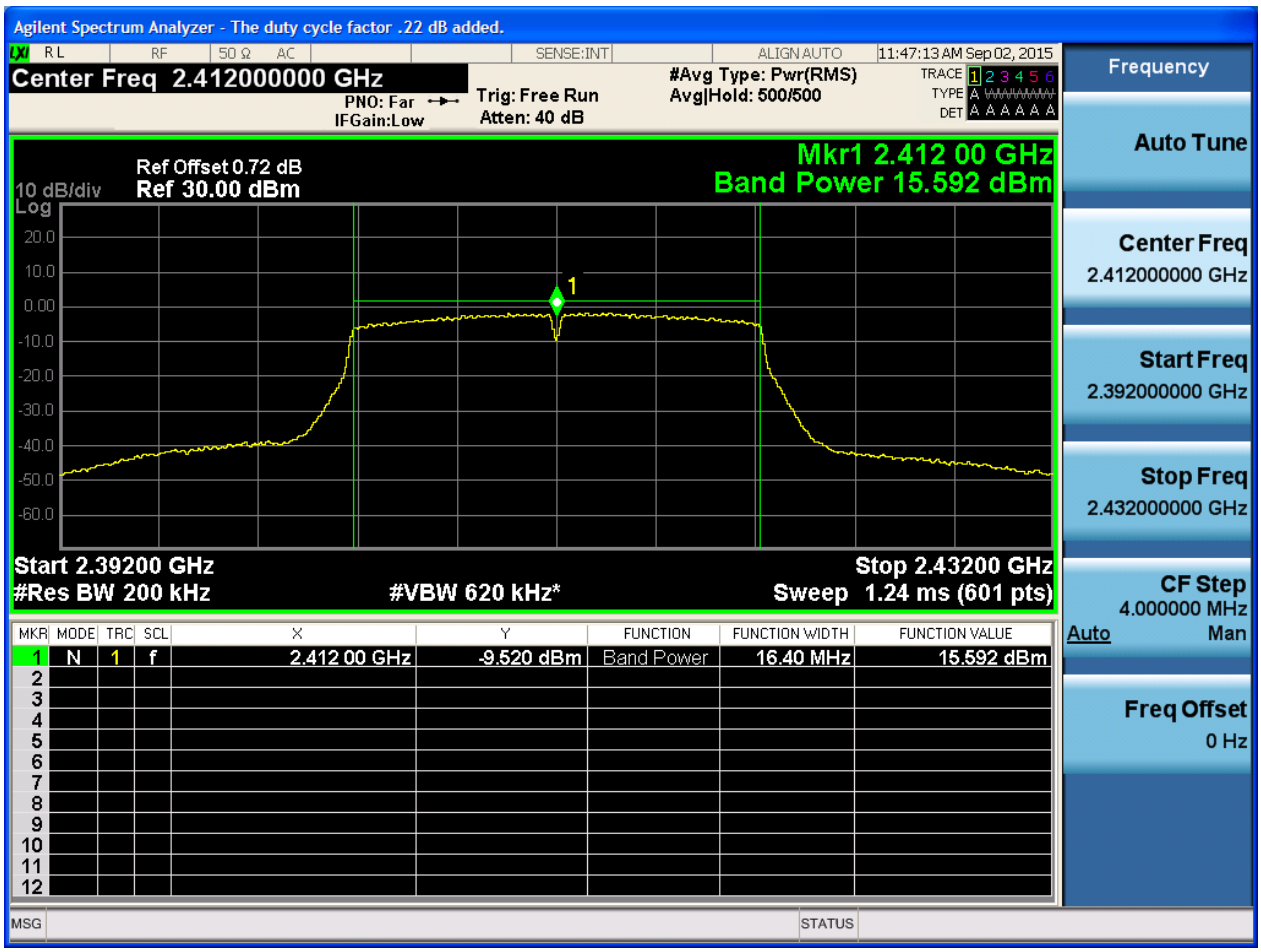

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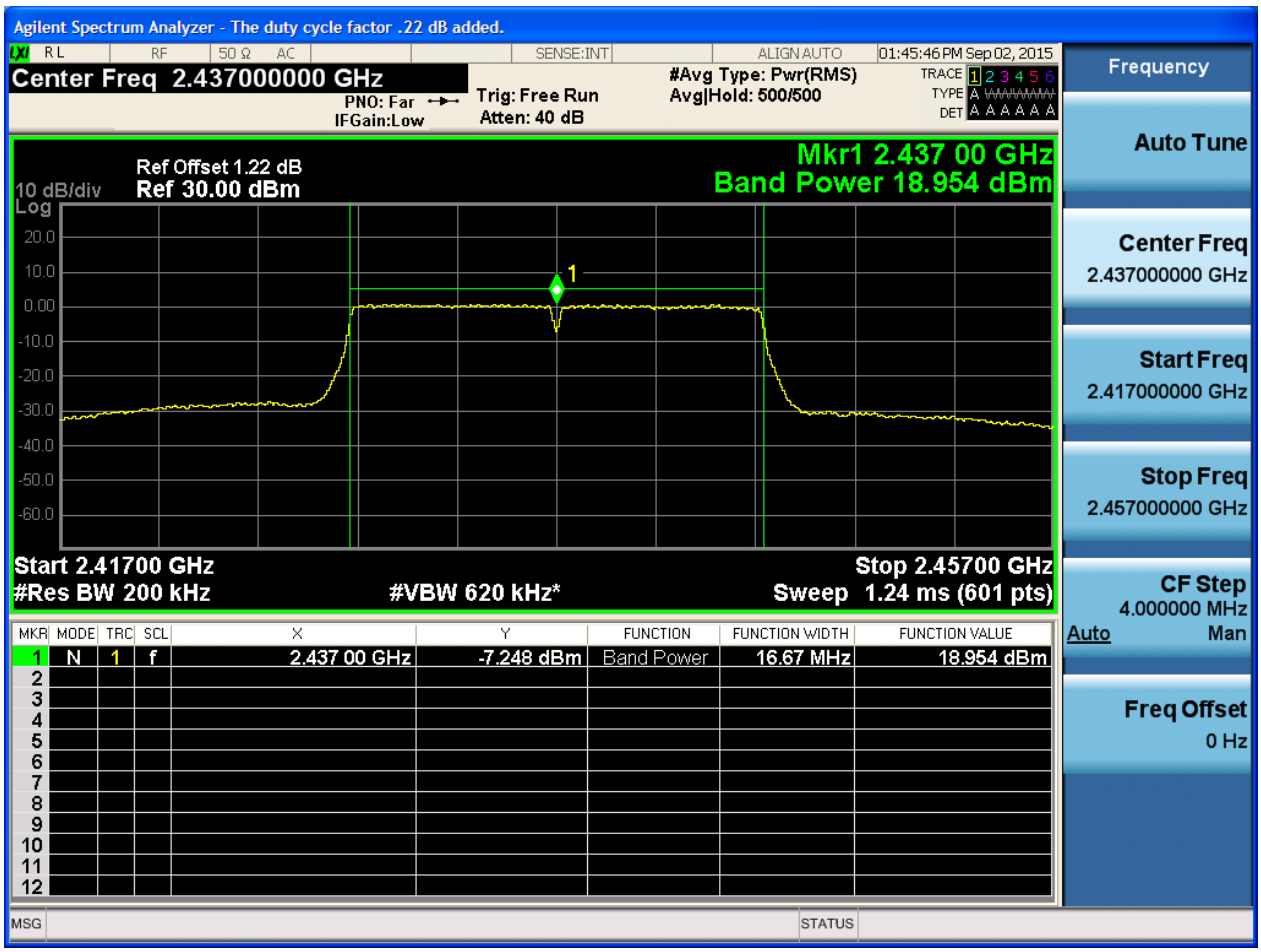

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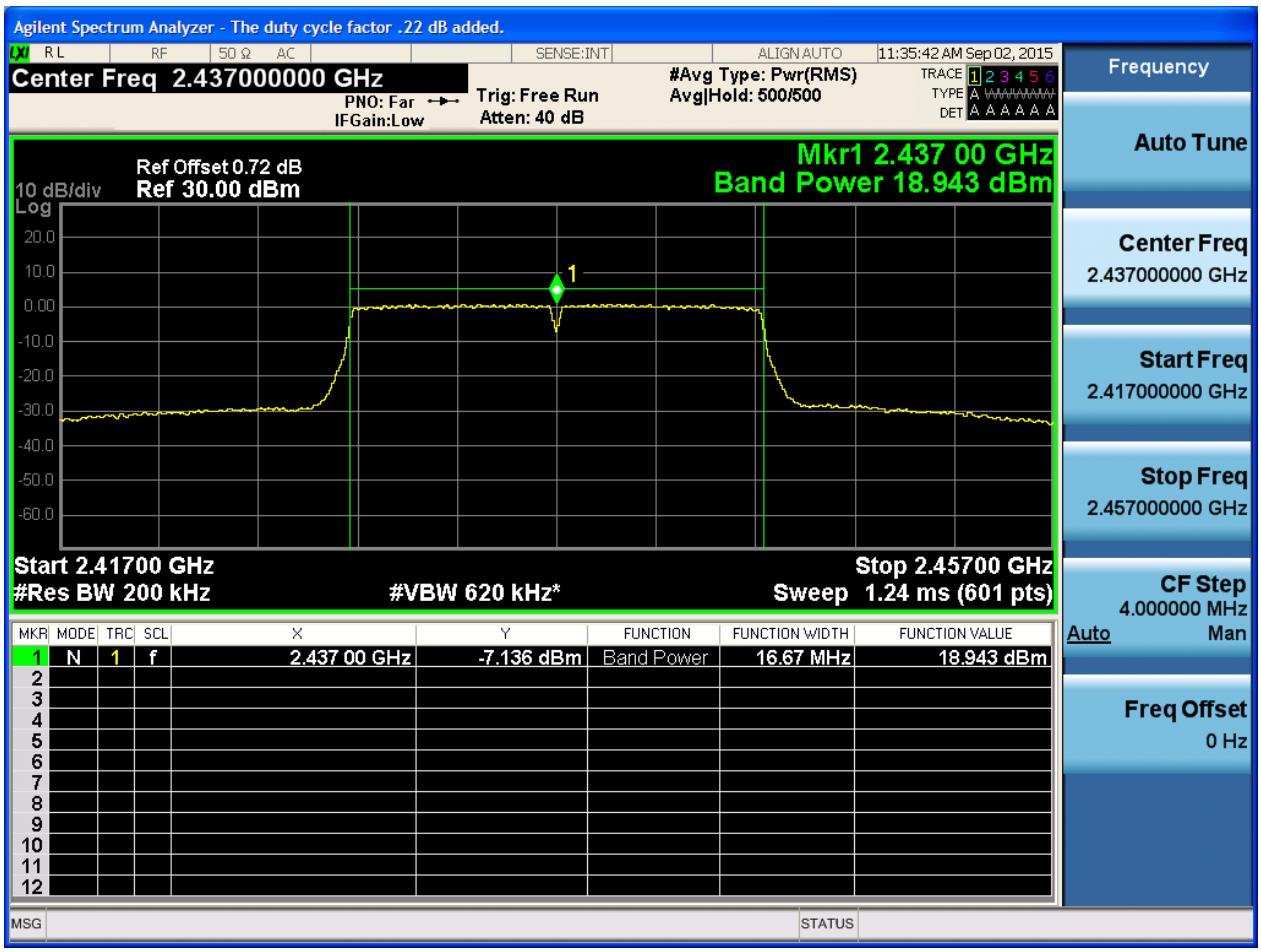

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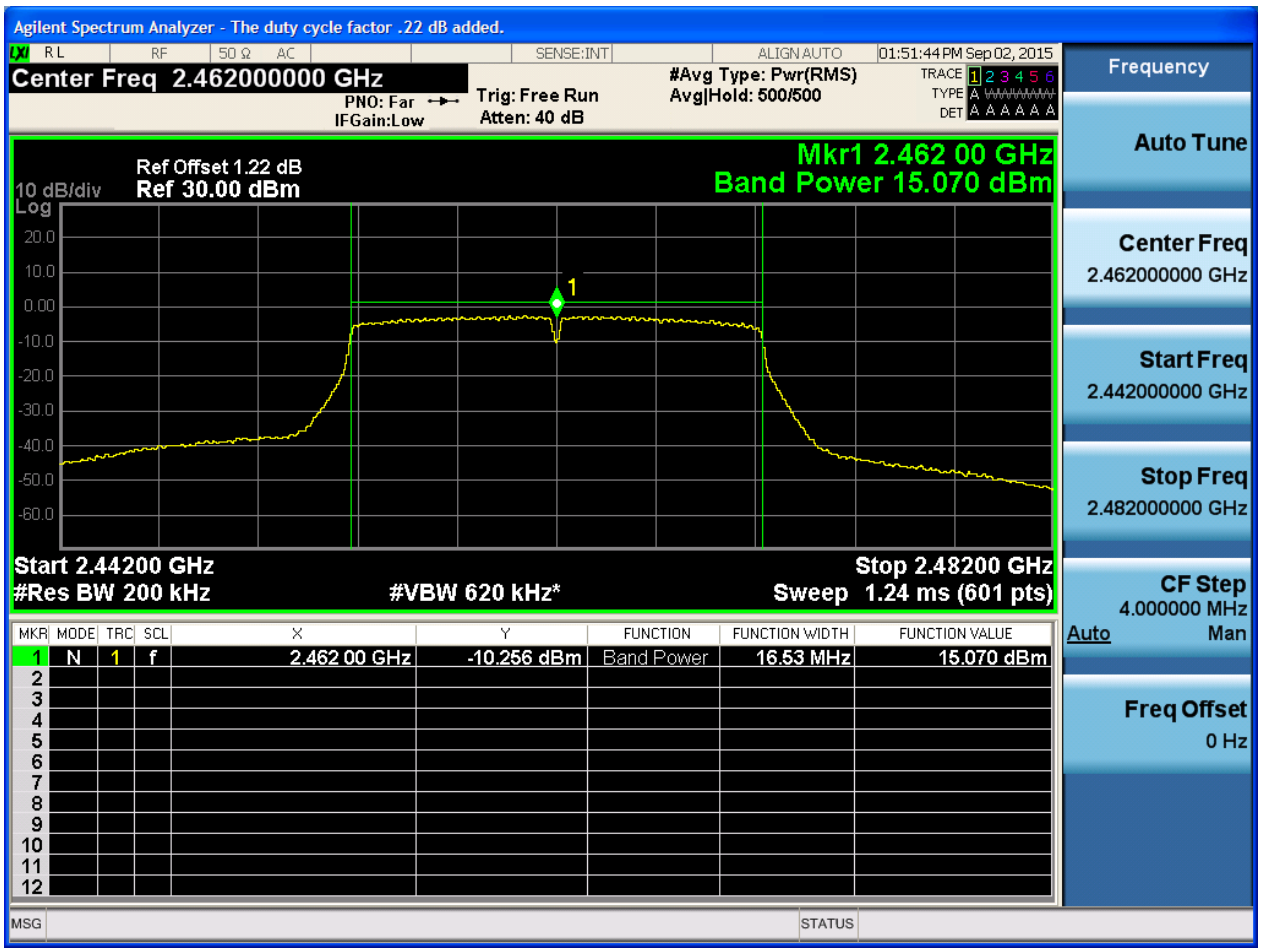

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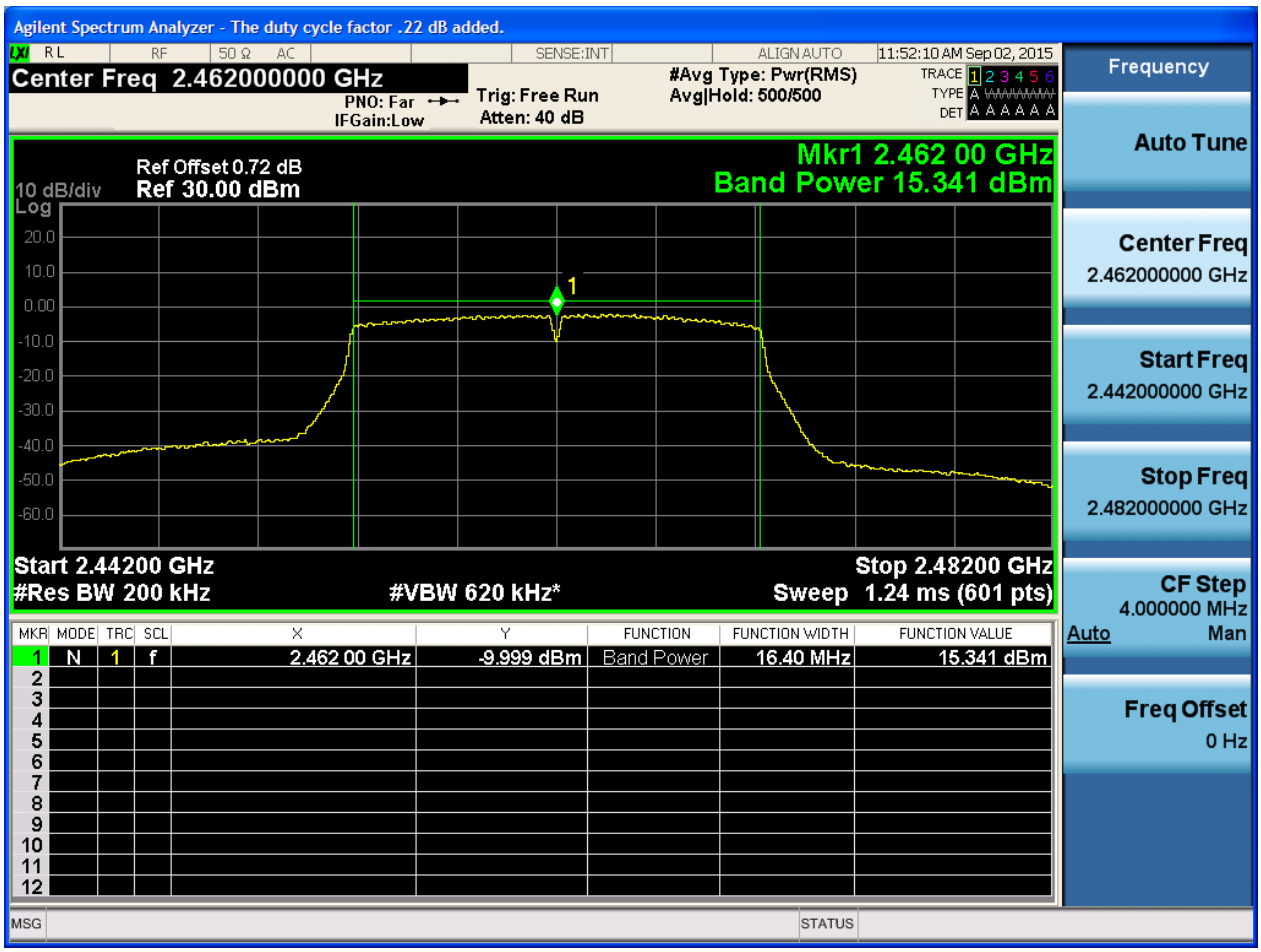

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Appendix E: Maximum Power Spectral Density Level

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11B	L	2412	Ant 1	-8.54	pass
11B	L	2412	Ant 2	-7.91	pass
11B	M	2437	Ant 1	-7.82	pass
11B	M	2437	Ant 2	-8.13	pass
11B	H	2462	Ant 1	-8.24	pass
11B	H	2462	Ant 2	-7.94	pass
11G	L	2412	Ant 1	-13.10	pass
11G	L	2412	Ant 2	-12.19	pass
11G	M	2437	Ant 1	-10.73	pass
11G	M	2437	Ant 2	-10.60	pass
11G	H	2462	Ant 1	-13.01	pass
11G	H	2462	Ant 2	-12.49	pass
11N20	L	2412	Ant 1	-13.82	pass
11N20	L	2412	Ant 2	-12.94	pass
11N20	M	2437	Ant 1	-12.46	pass
11N20	M	2437	Ant 2	-12.01	pass
11N20	H	2462	Ant 1	-13.24	pass
11N20	H	2462	Ant 2	-13.18	pass
11N20m	L	2412	Ant 2	-13.28	pass
11N20m	L	2412	Ant 1	-13.72	pass
11N20m	L	2412	SUM	-10.48	pass
11N20m	M	2437	Ant 2	-13.23	pass
11N20m	M	2437	Ant 1	-13.78	pass
11N20m	M	2437	SUM	-10.49	pass
11N20m	H	2462	Ant 2	-13.51	pass
11N20m	H	2462	Ant 1	-14.14	pass
11N20m	H	2462	SUM	-10.80	pass
11N40	L	2422	Ant 1	-23.27	pass
11N40	L	2422	Ant 2	-23.25	pass
11N40	M	2437	Ant 1	-17.97	pass
11N40	M	2437	Ant 2	-17.15	pass
11N40	H	2452	Ant 1	-24.01	pass
11N40	H	2452	Ant 2	-23.85	pass
11N40m	L	2422	Ant 2	-24.32	pass
11N40m	L	2422	Ant 1	-24.79	pass
11N40m	L	2422	SUM	-21.54	pass

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Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11N40m	M	2437	Ant 2	-17.06	pass
11N40m	M	2437	Ant 1	-17.69	pass
11N40m	M	2437	SUM	-14.35	pass
11N40m	H	2452	Ant 2	-24.87	pass
11N40m	H	2452	Ant 1	-25.41	pass
11N40m	H	2452	SUM	-22.12	pass
11G CDD	L	2412	Ant 1	-14.22	pass
11G CDD	L	2412	Ant 2	-13.18	pass
11G CDD	M	2437	Ant 1	-10.67	pass
11G CDD	M	2437	Ant 2	-10.66	pass
11G CDD	H	2462	Ant 1	-14.15	pass
11G CDD	H	2462	Ant 2	-13.61	pass

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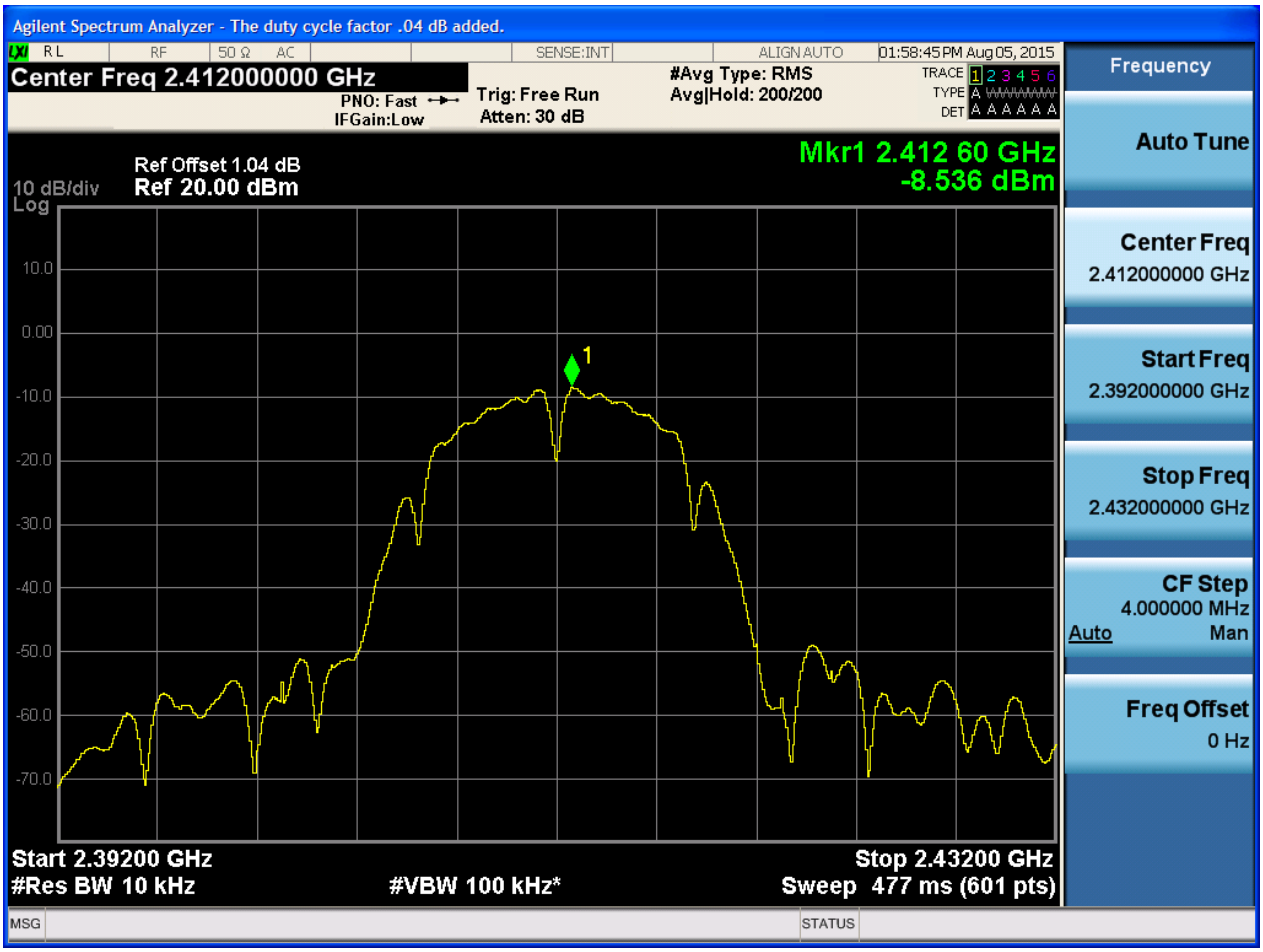
Part II - Test Plots

2.1 11B_L@Ant 1



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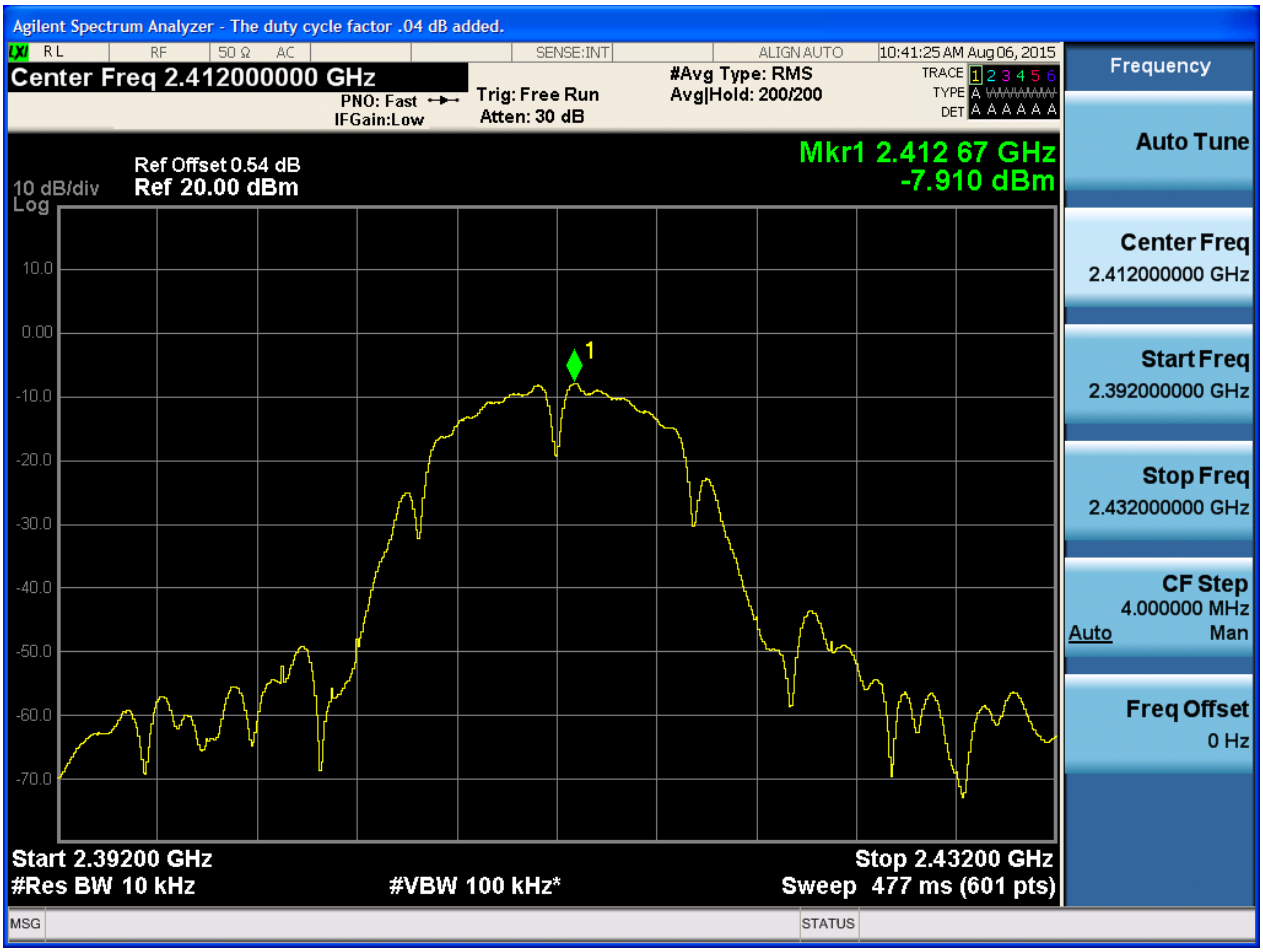

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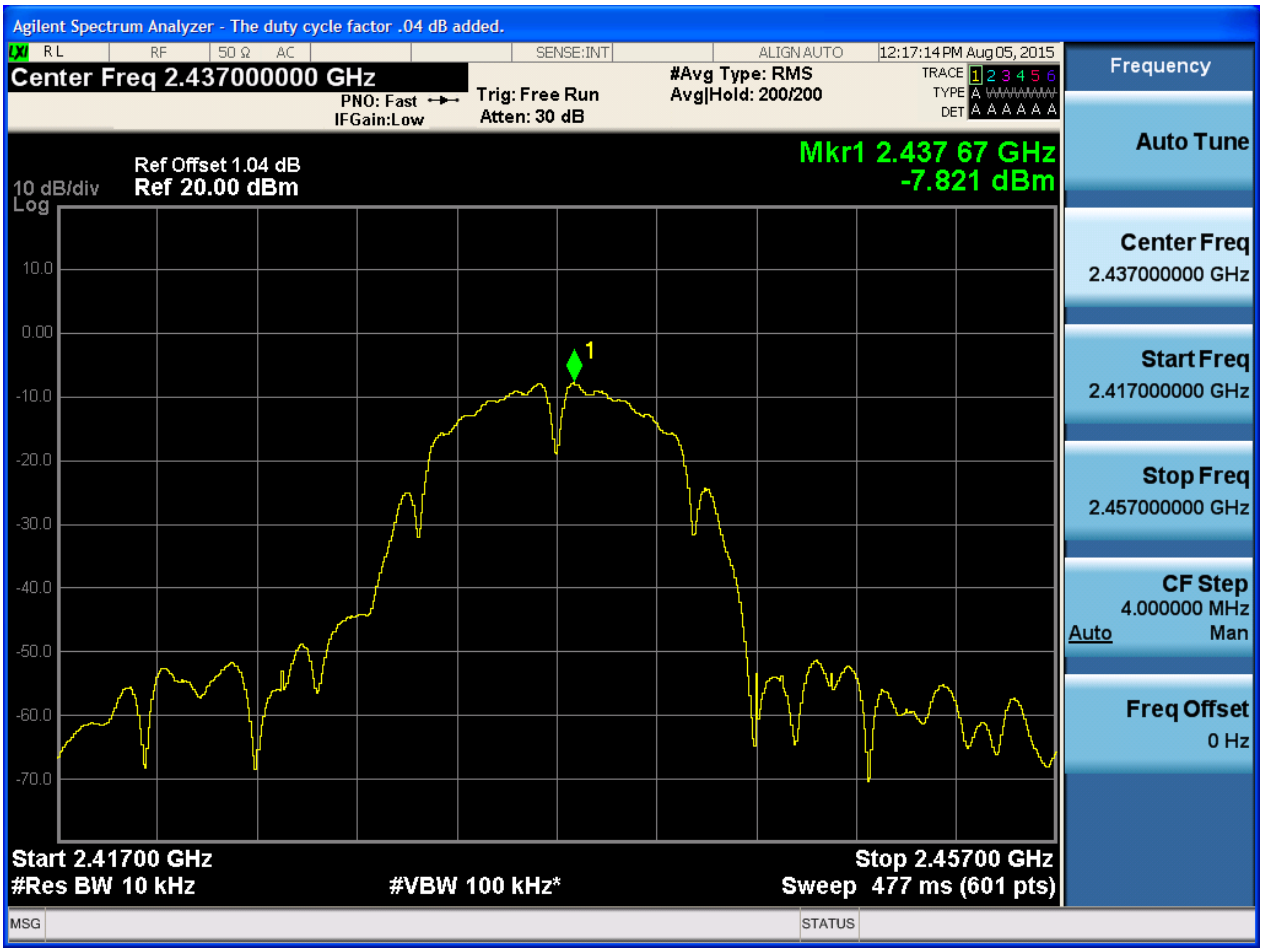

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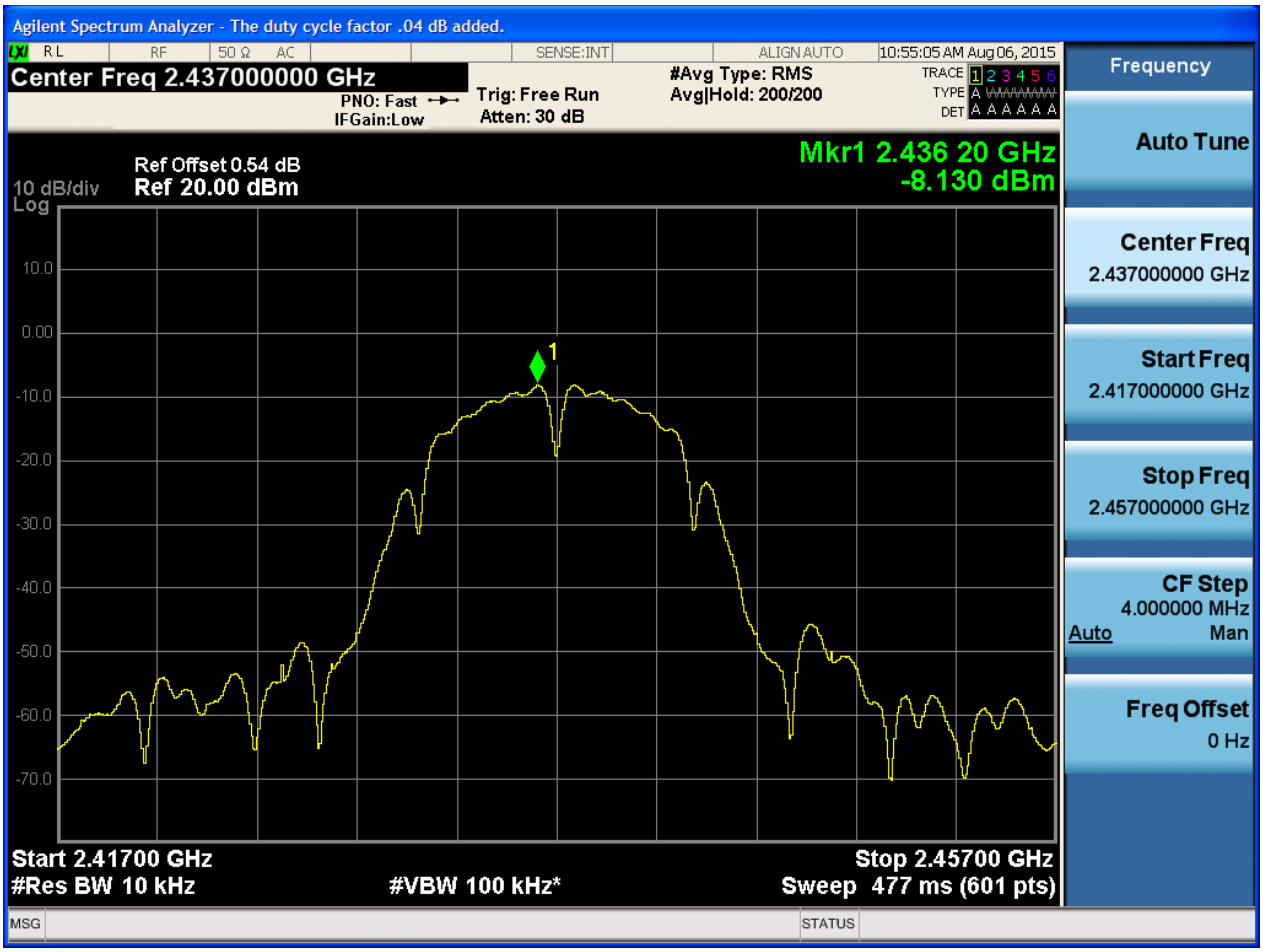

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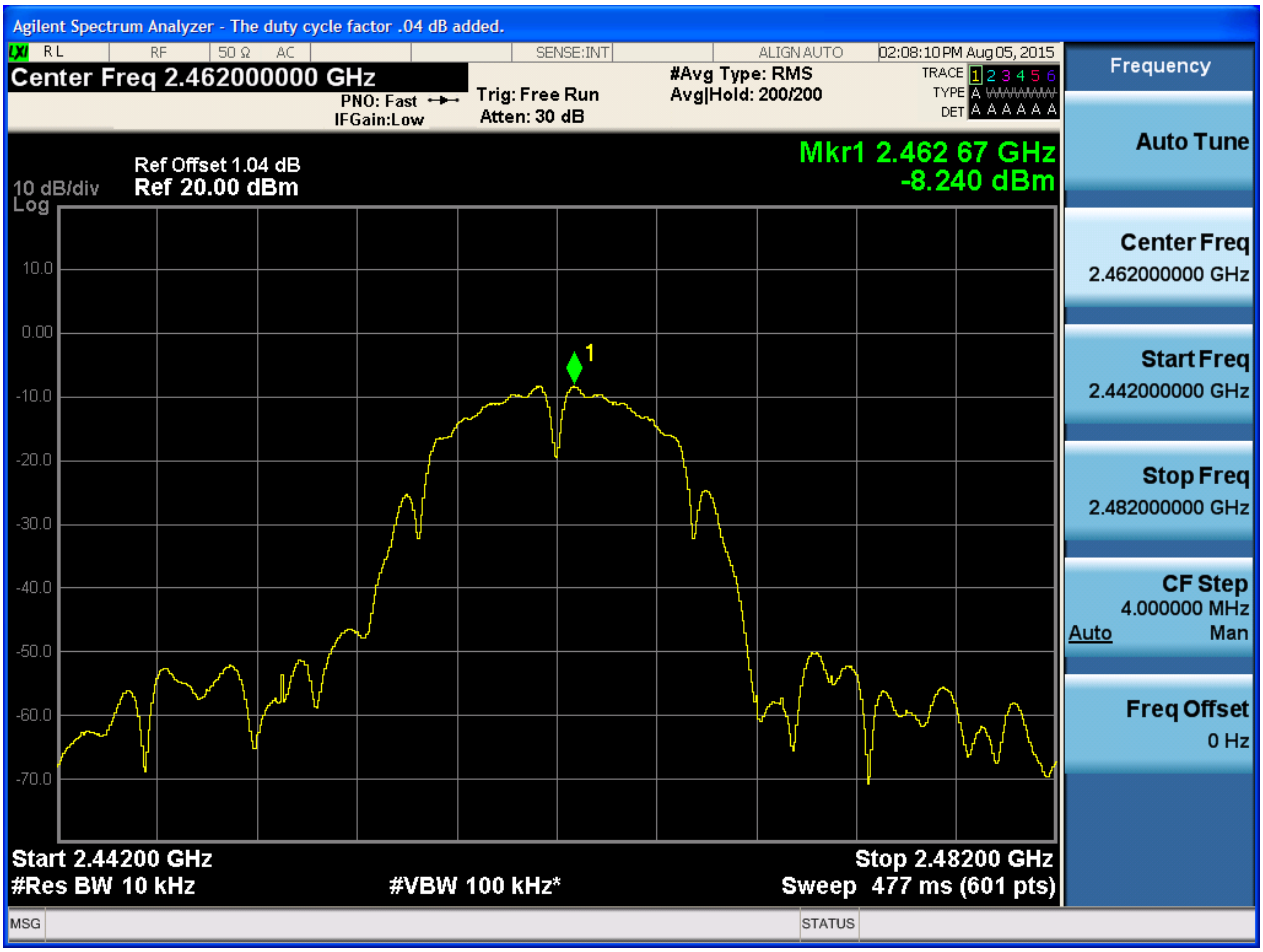

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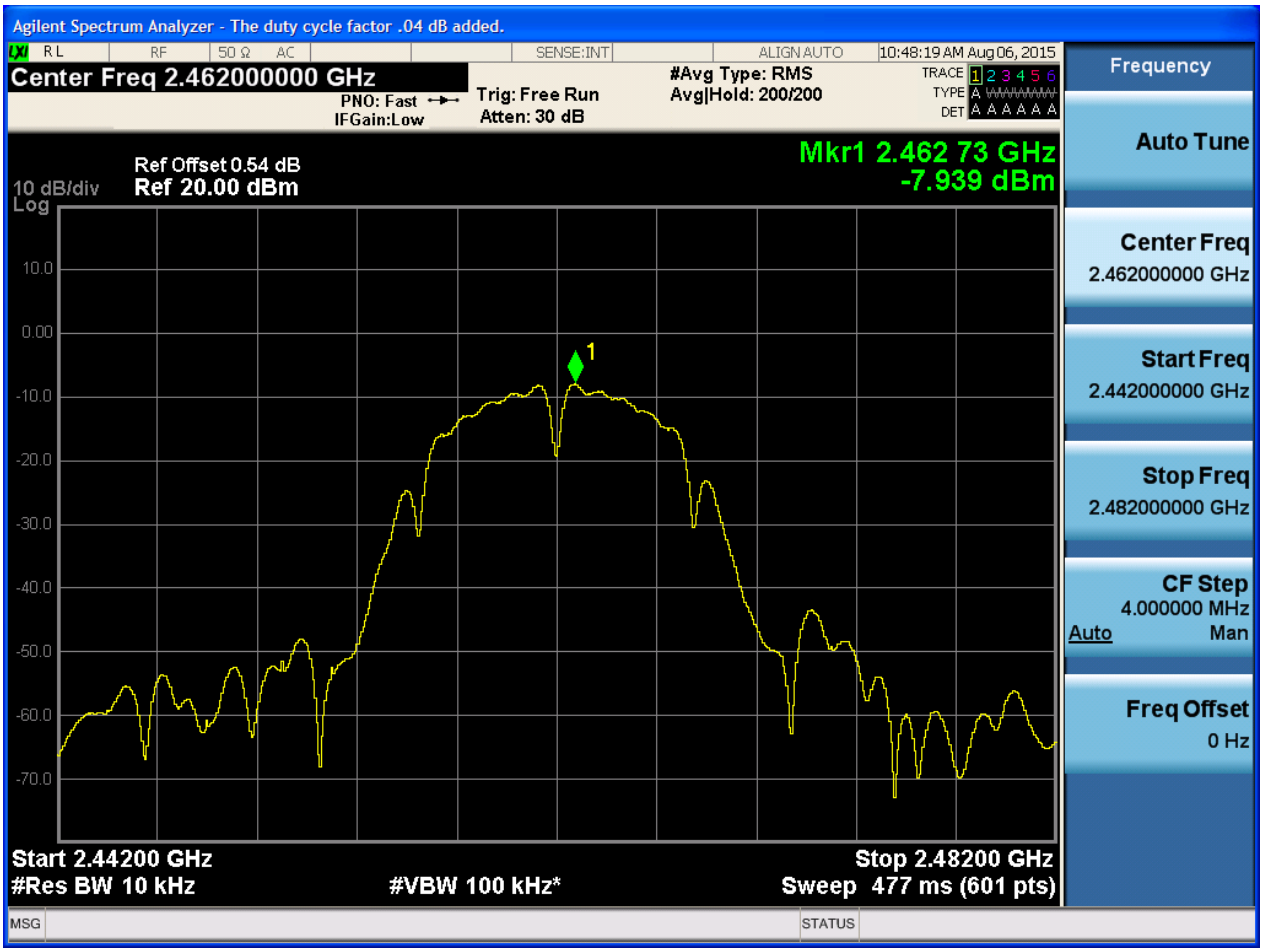

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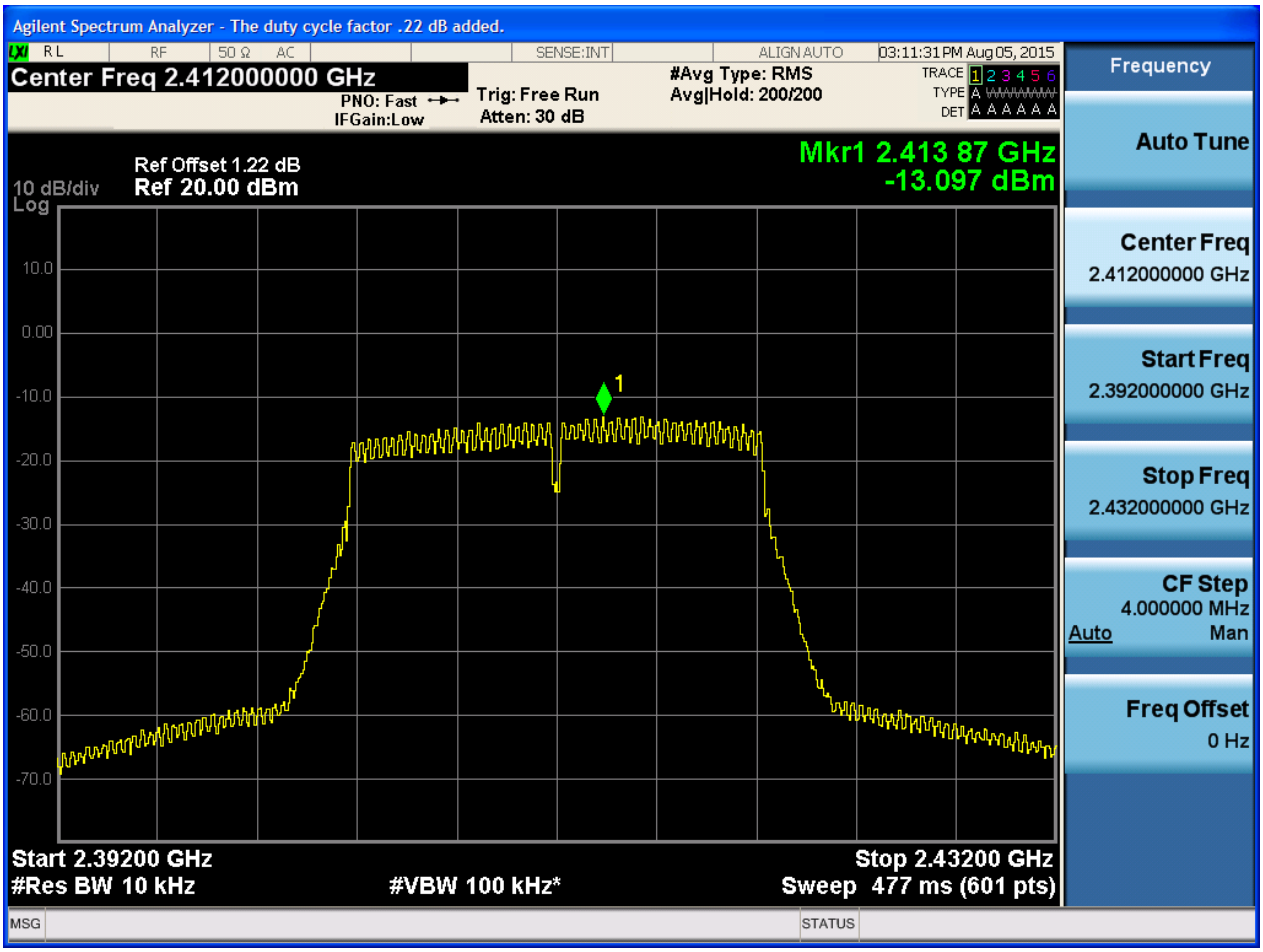

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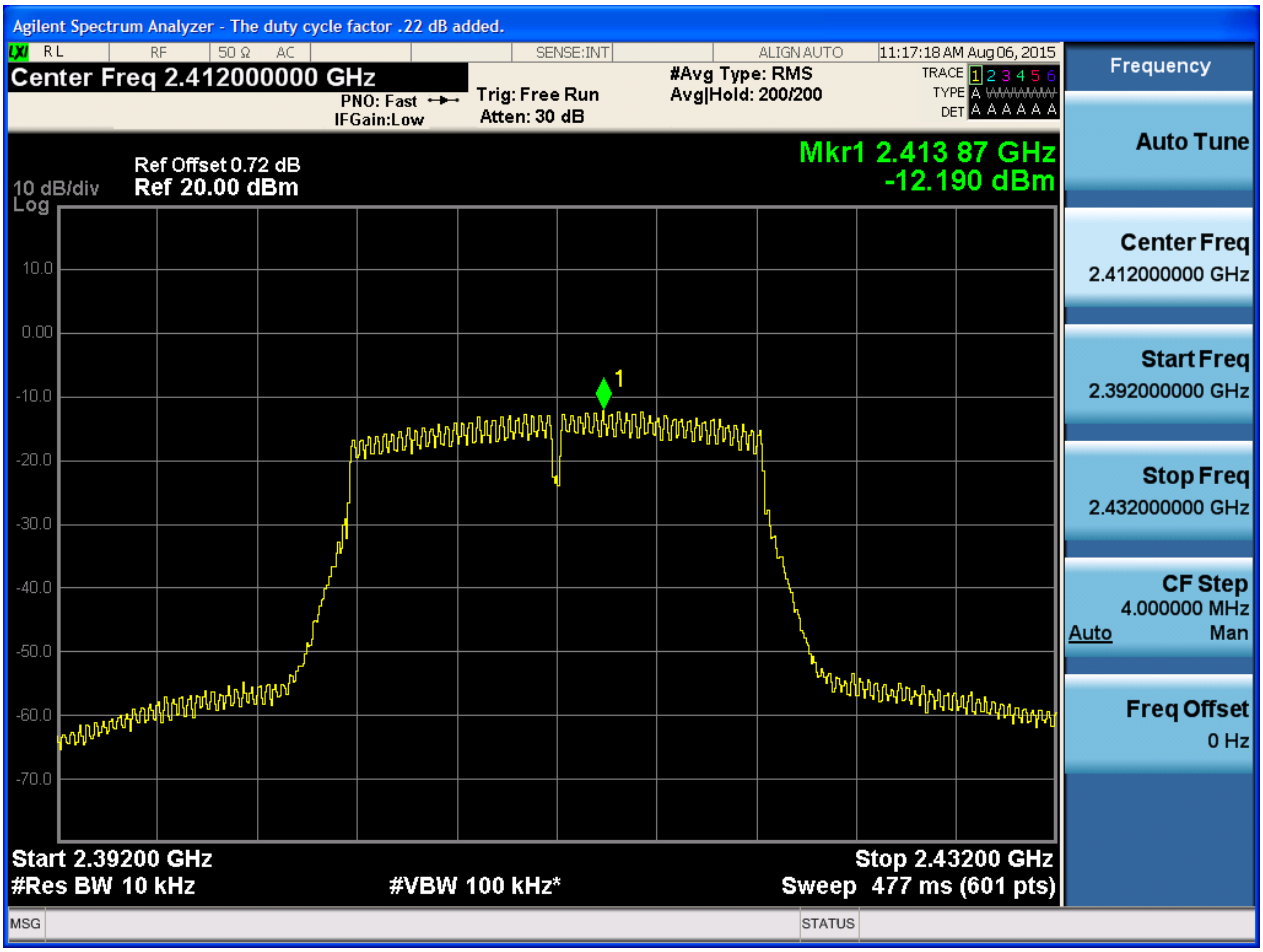

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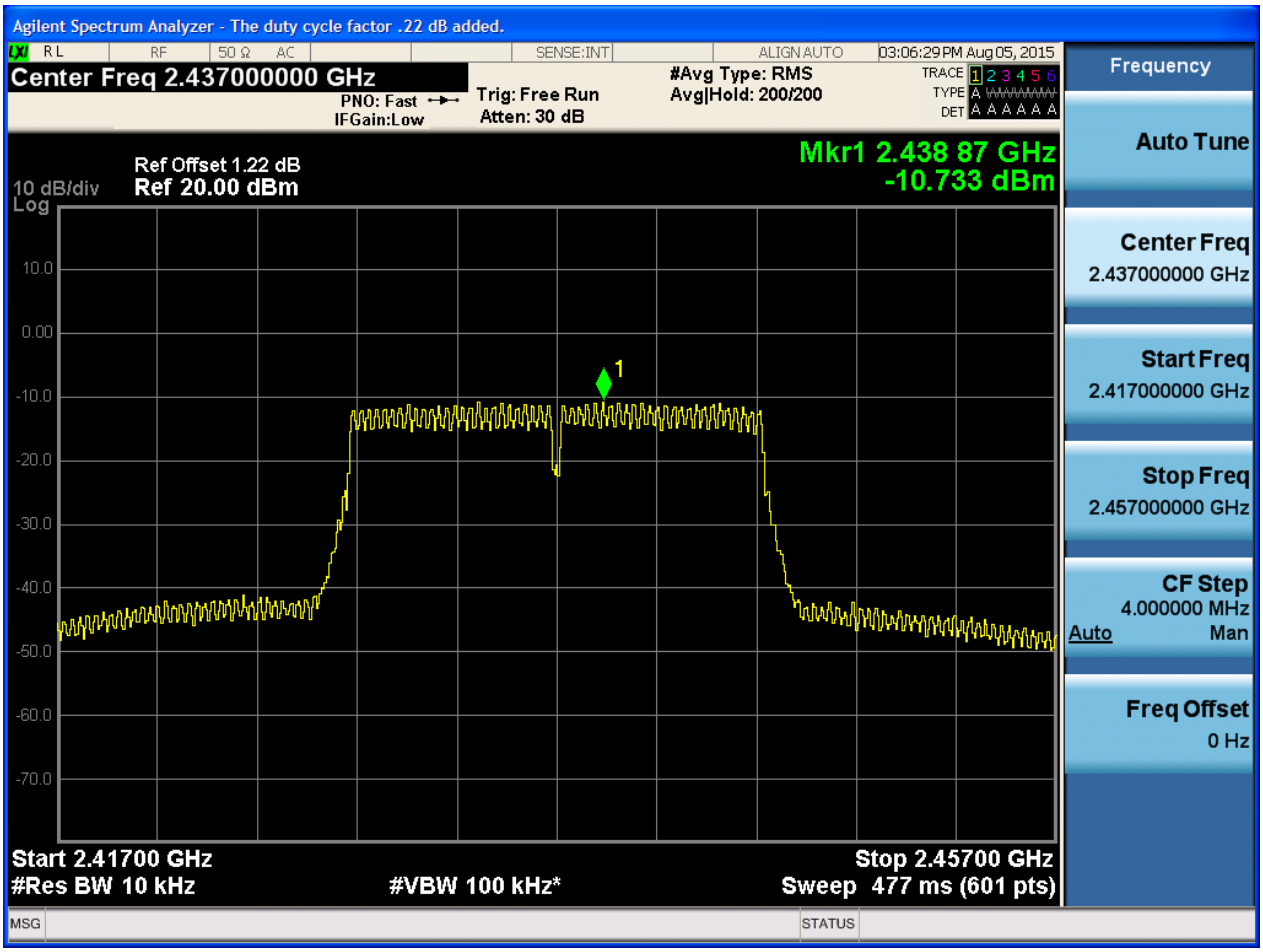

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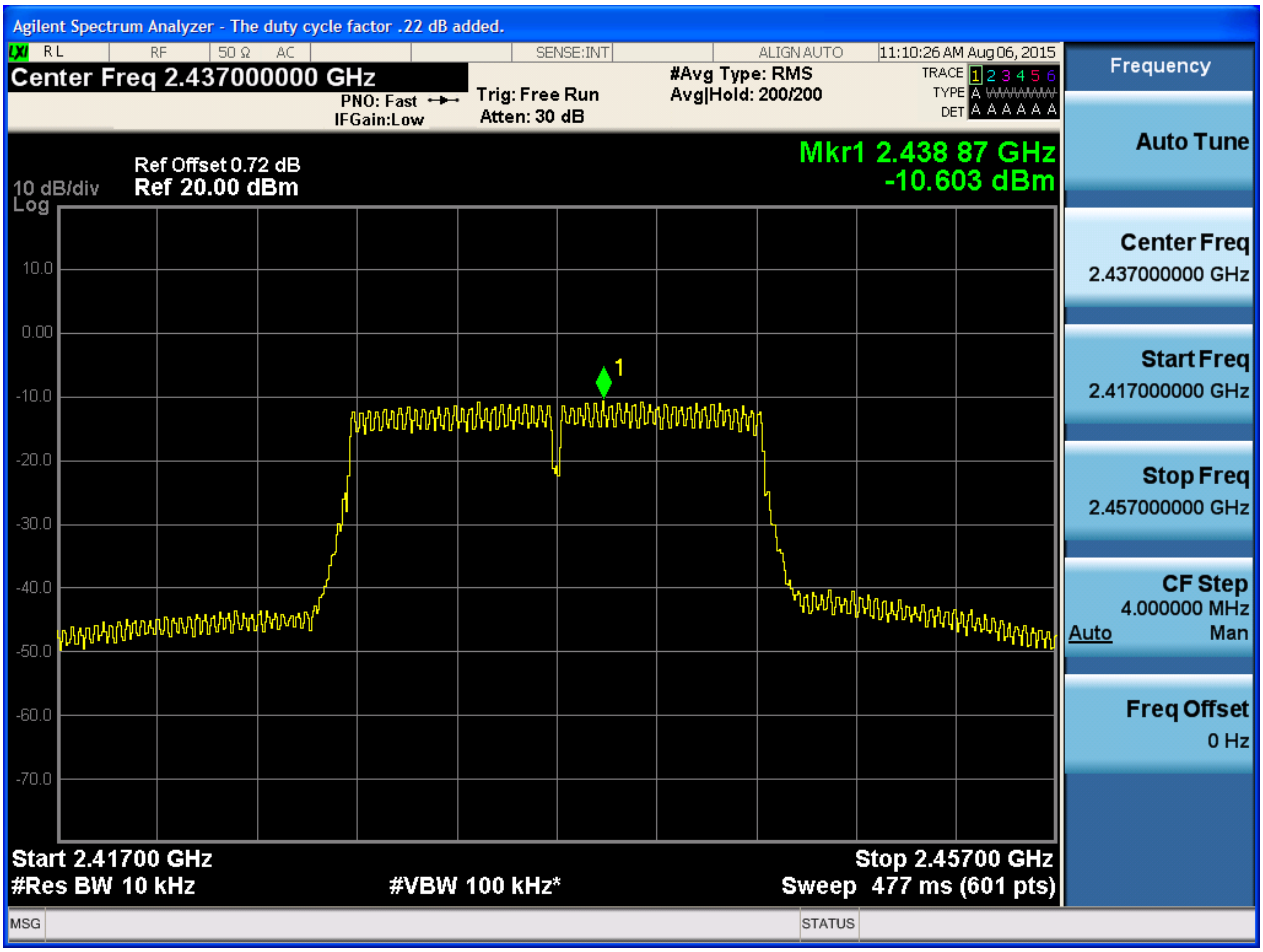

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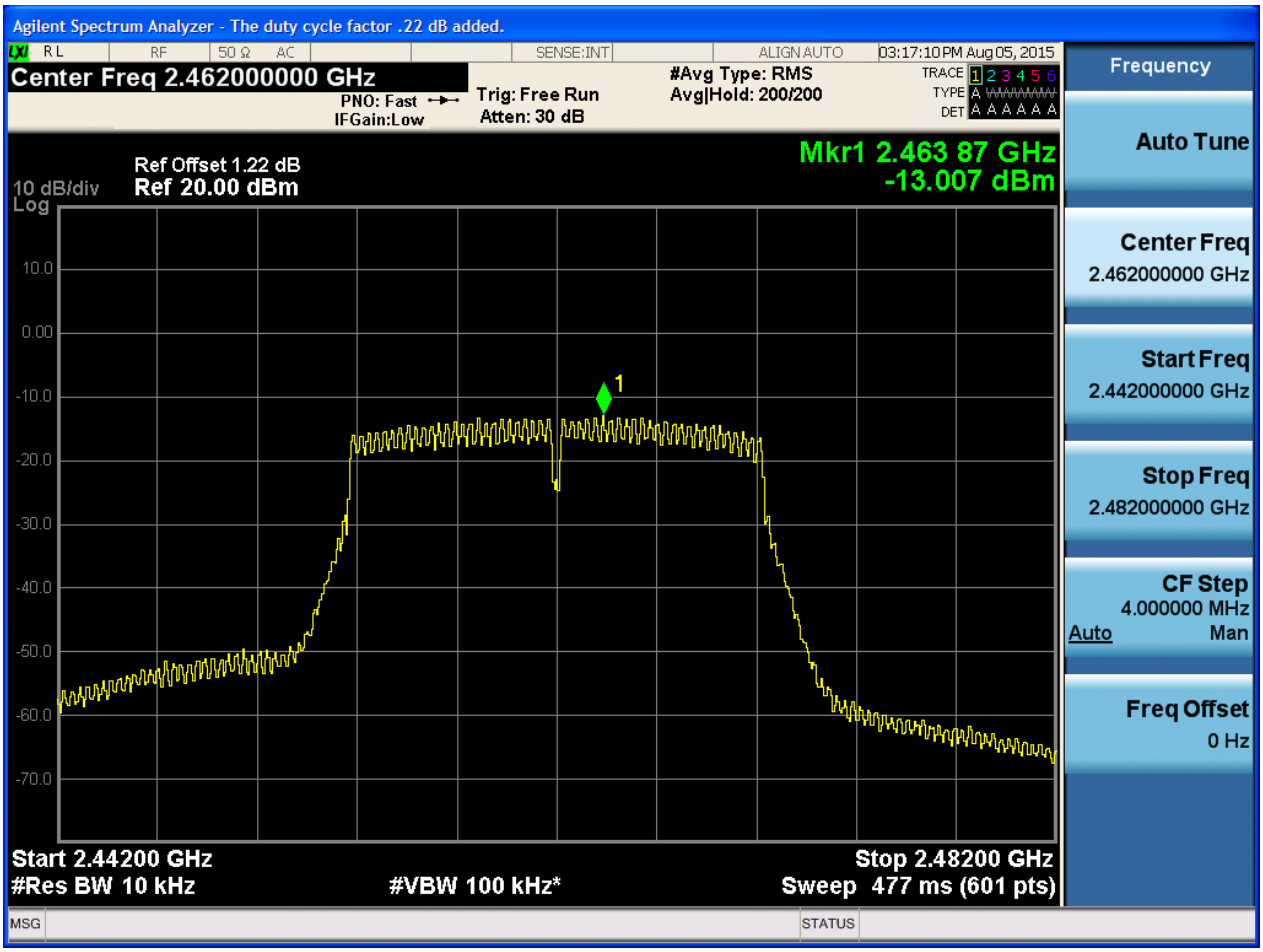

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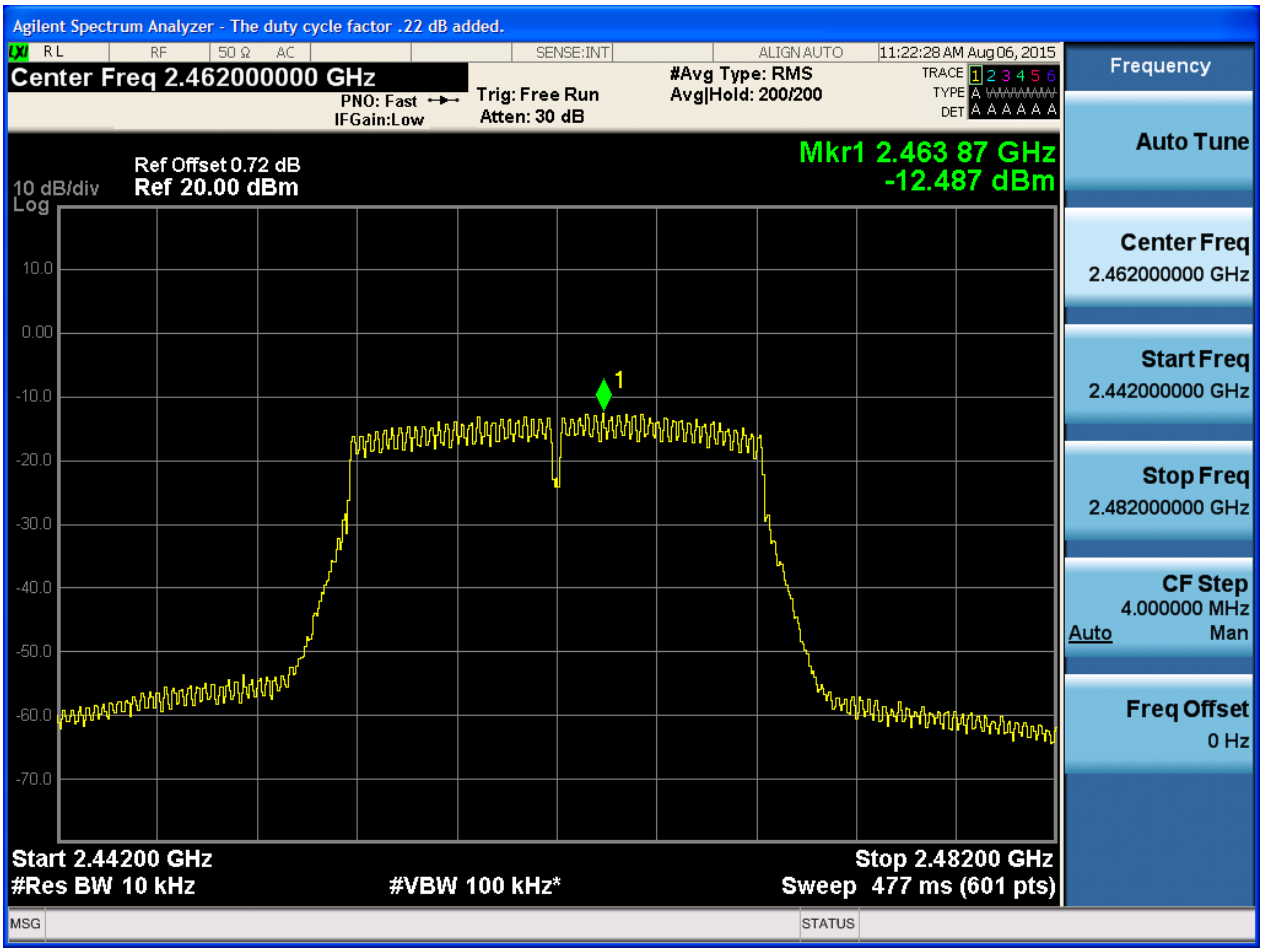
2.12 11G_H@Ant 2



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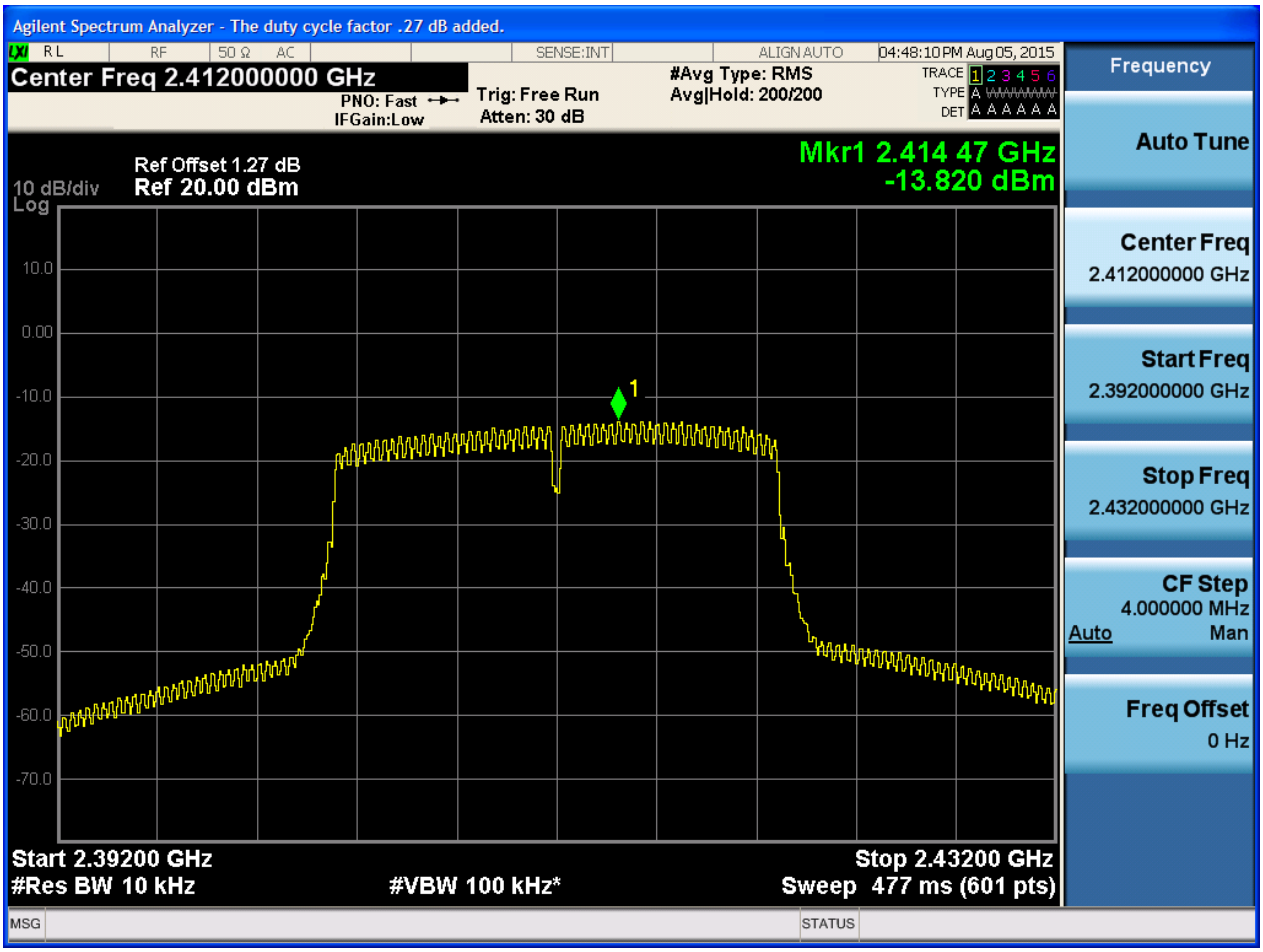

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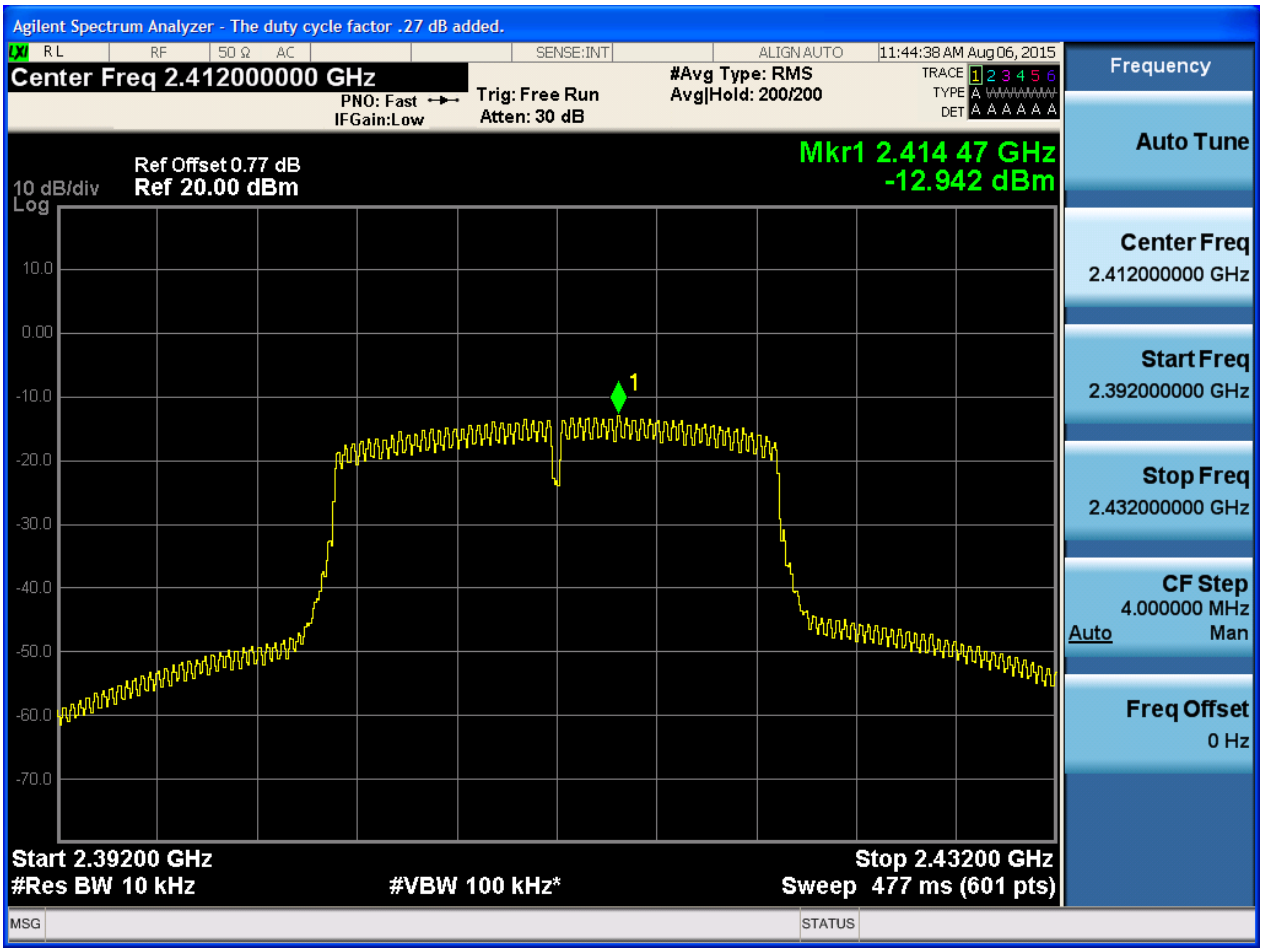

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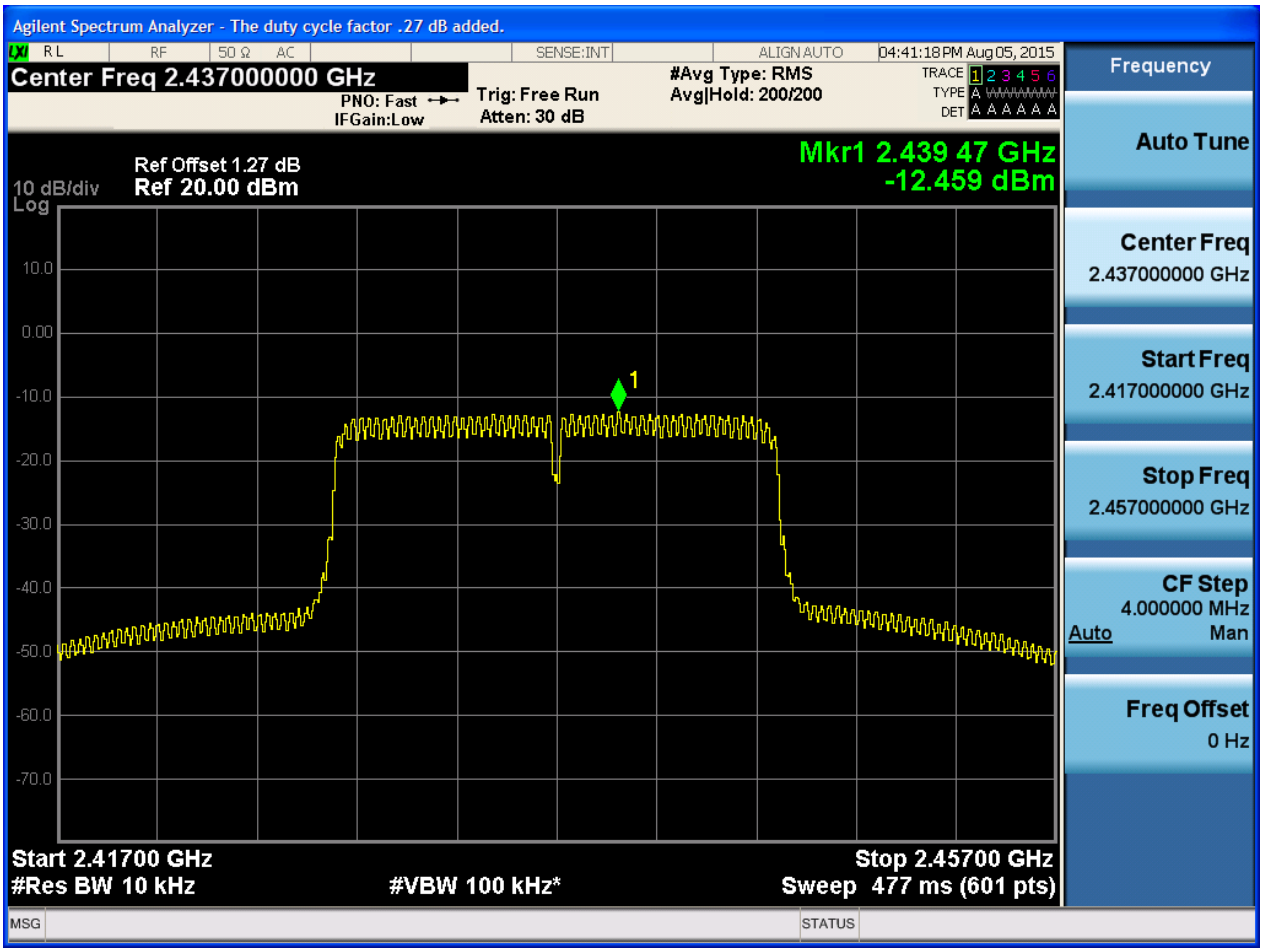

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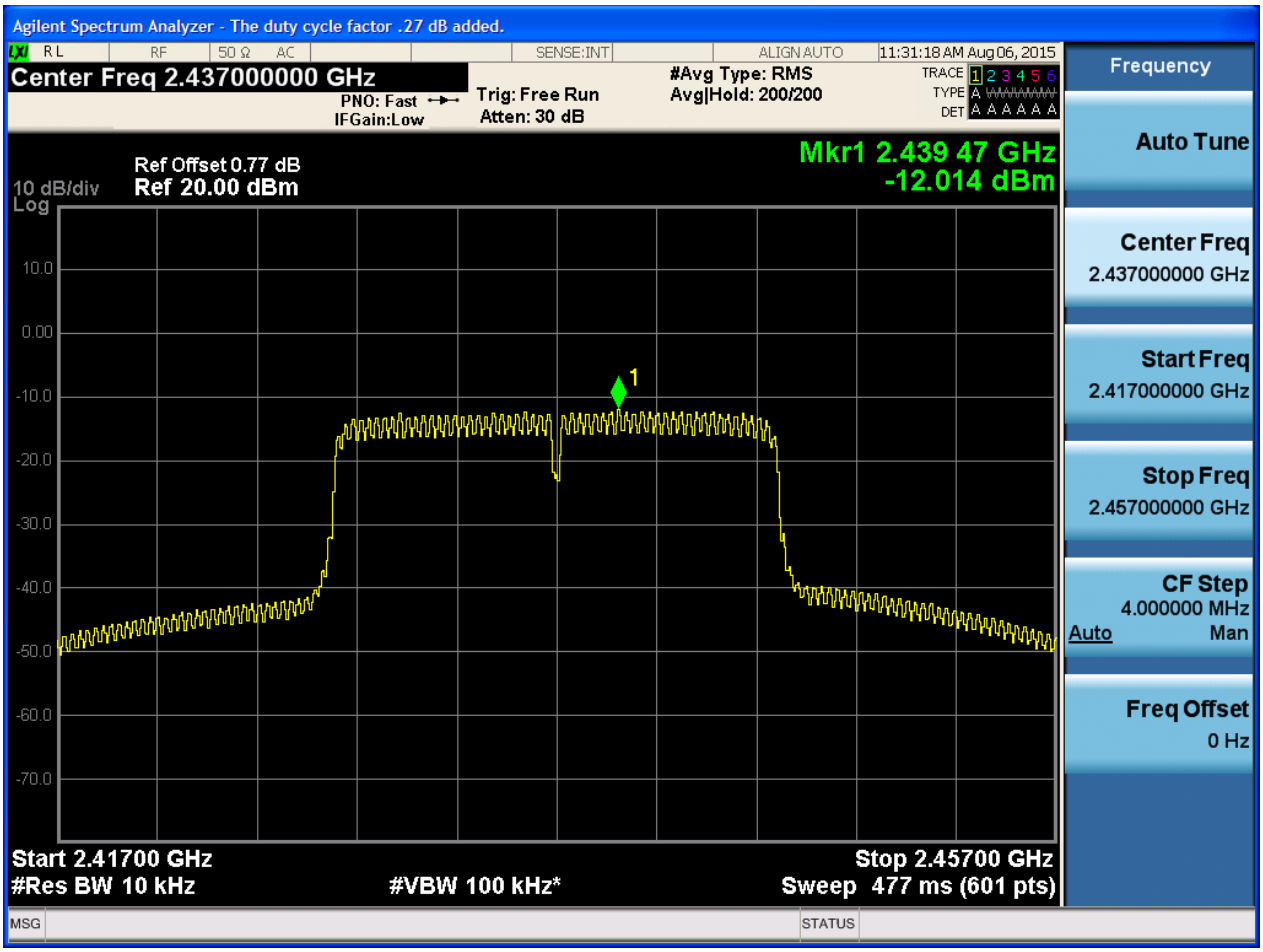

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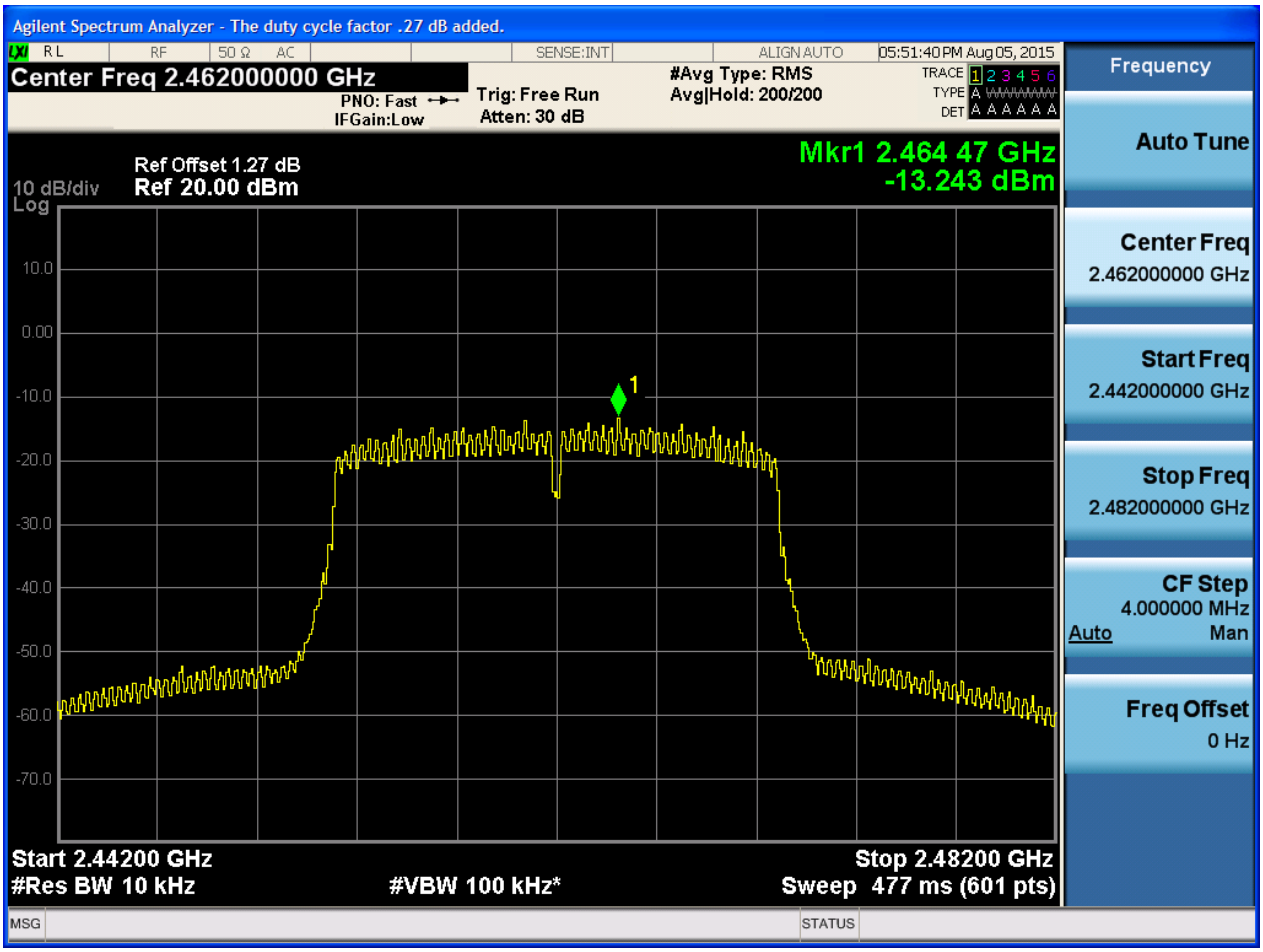

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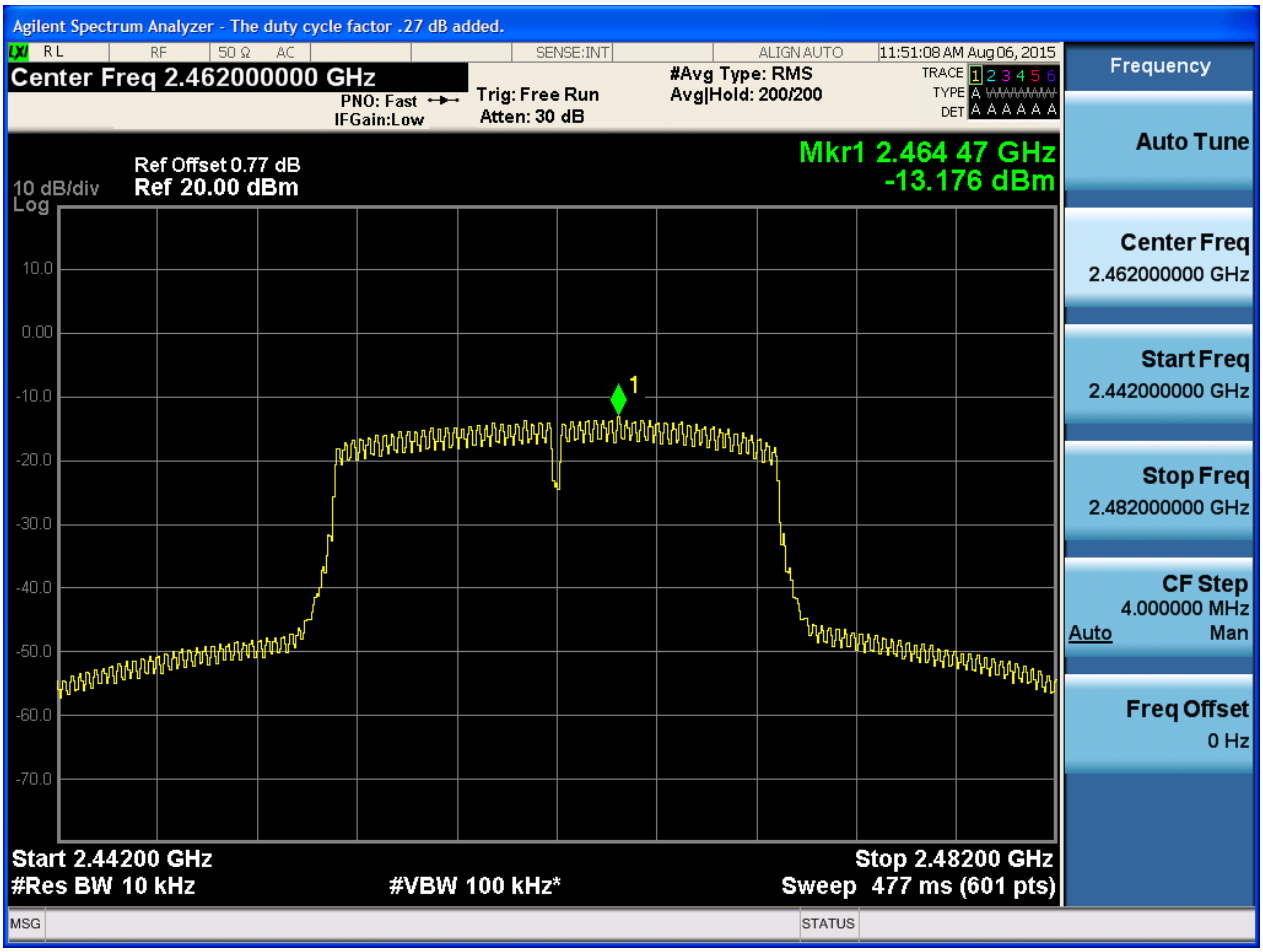

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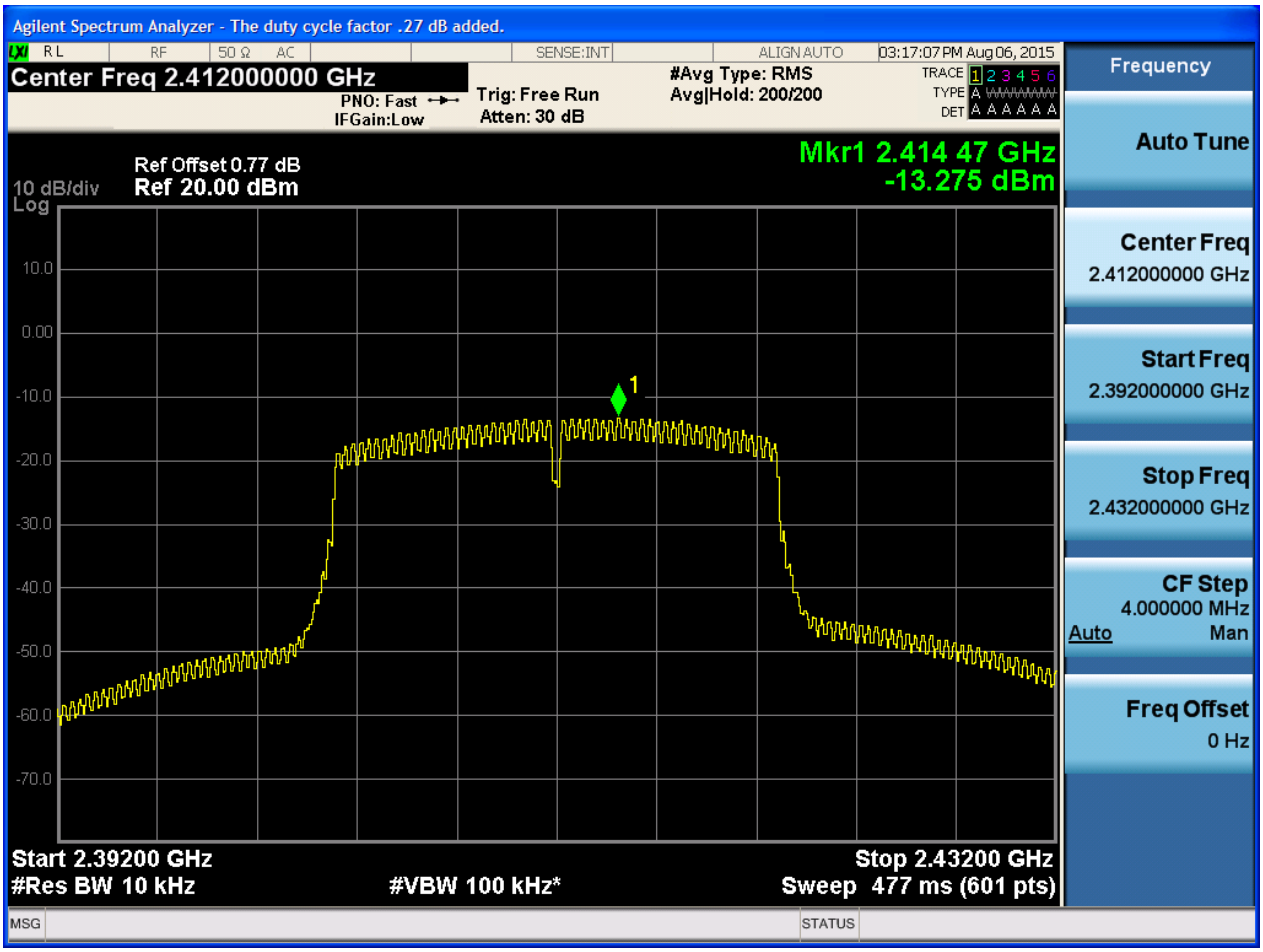

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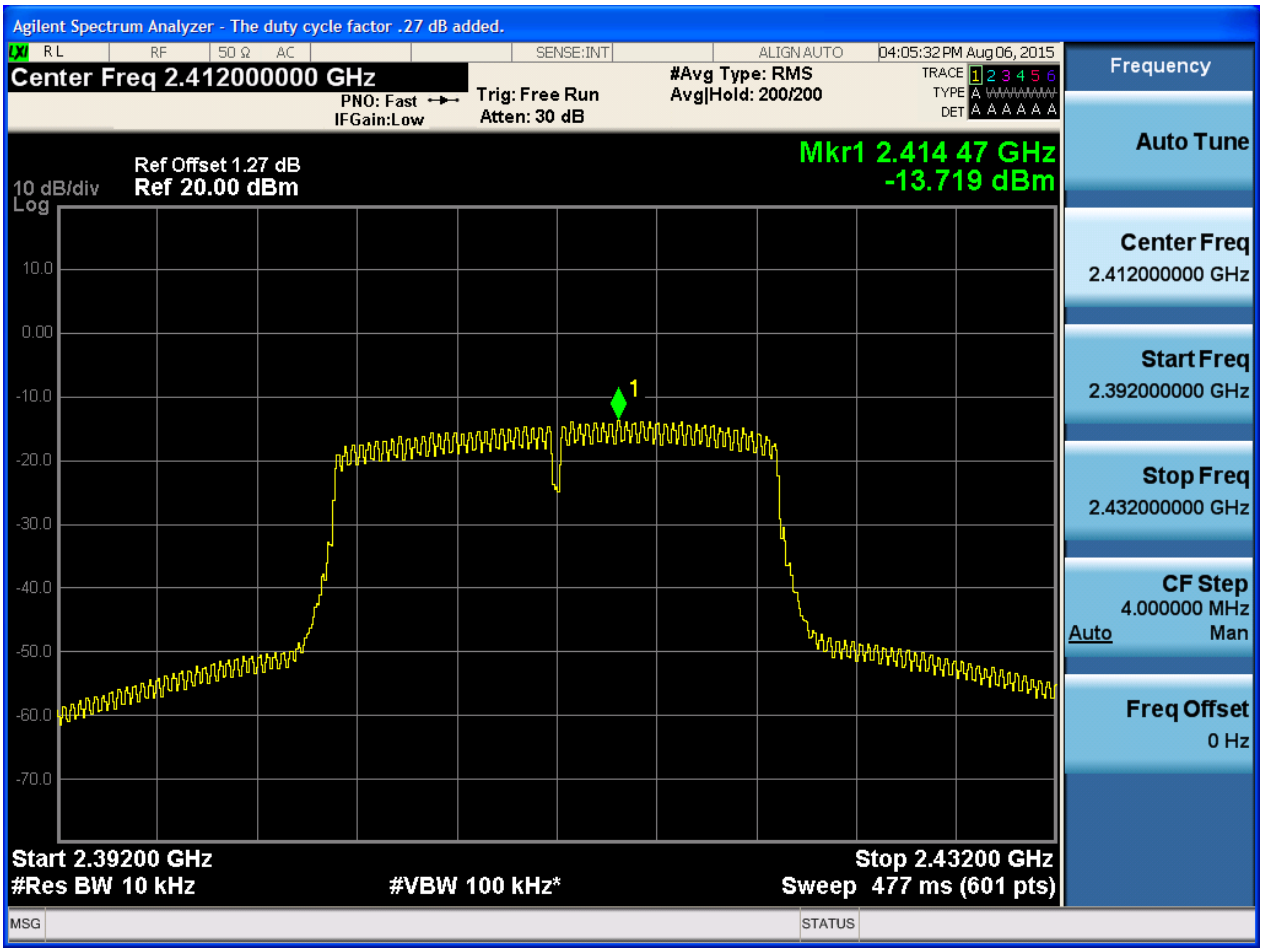

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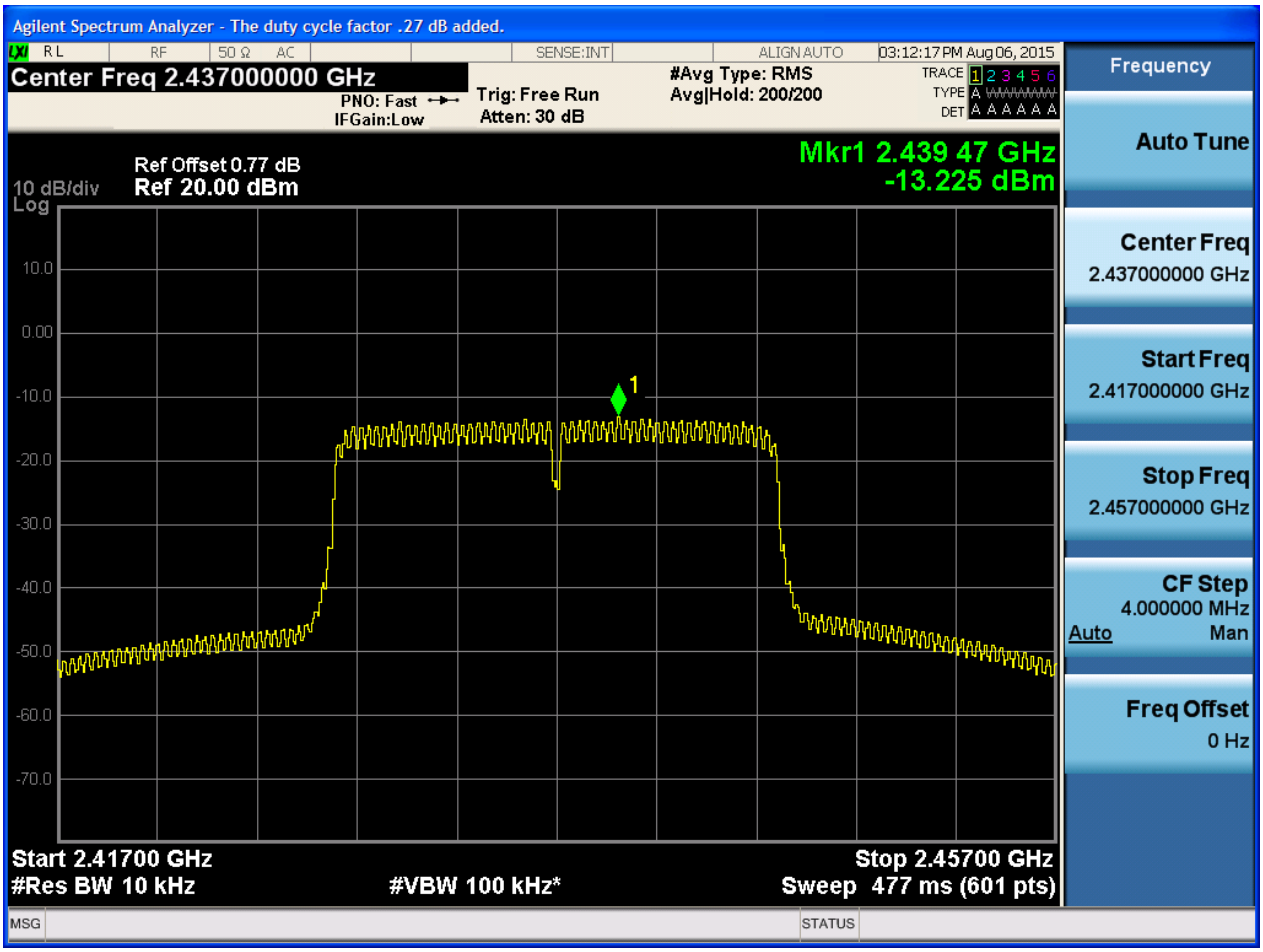
2.16 11N20m_M@Ant 2



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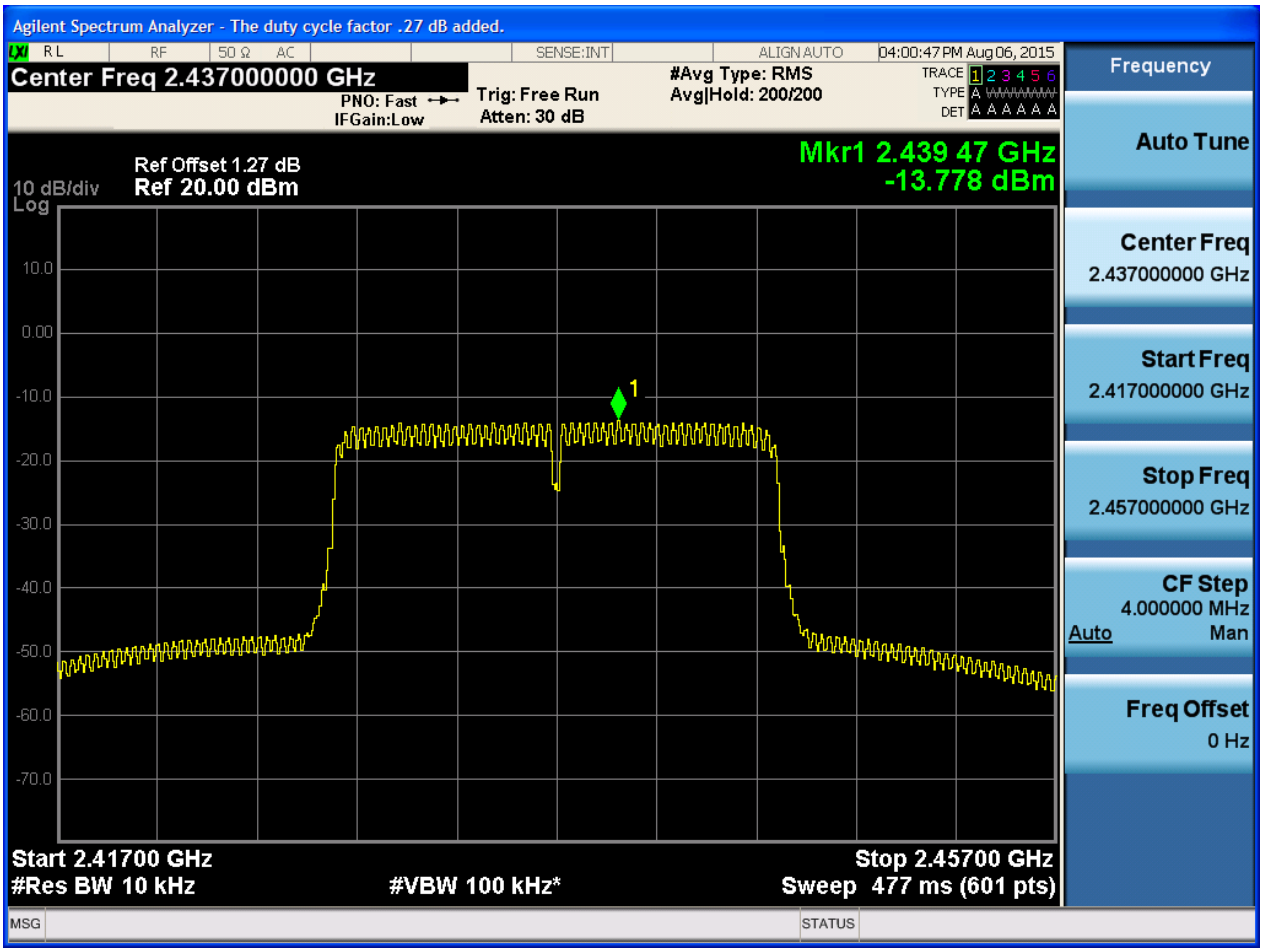

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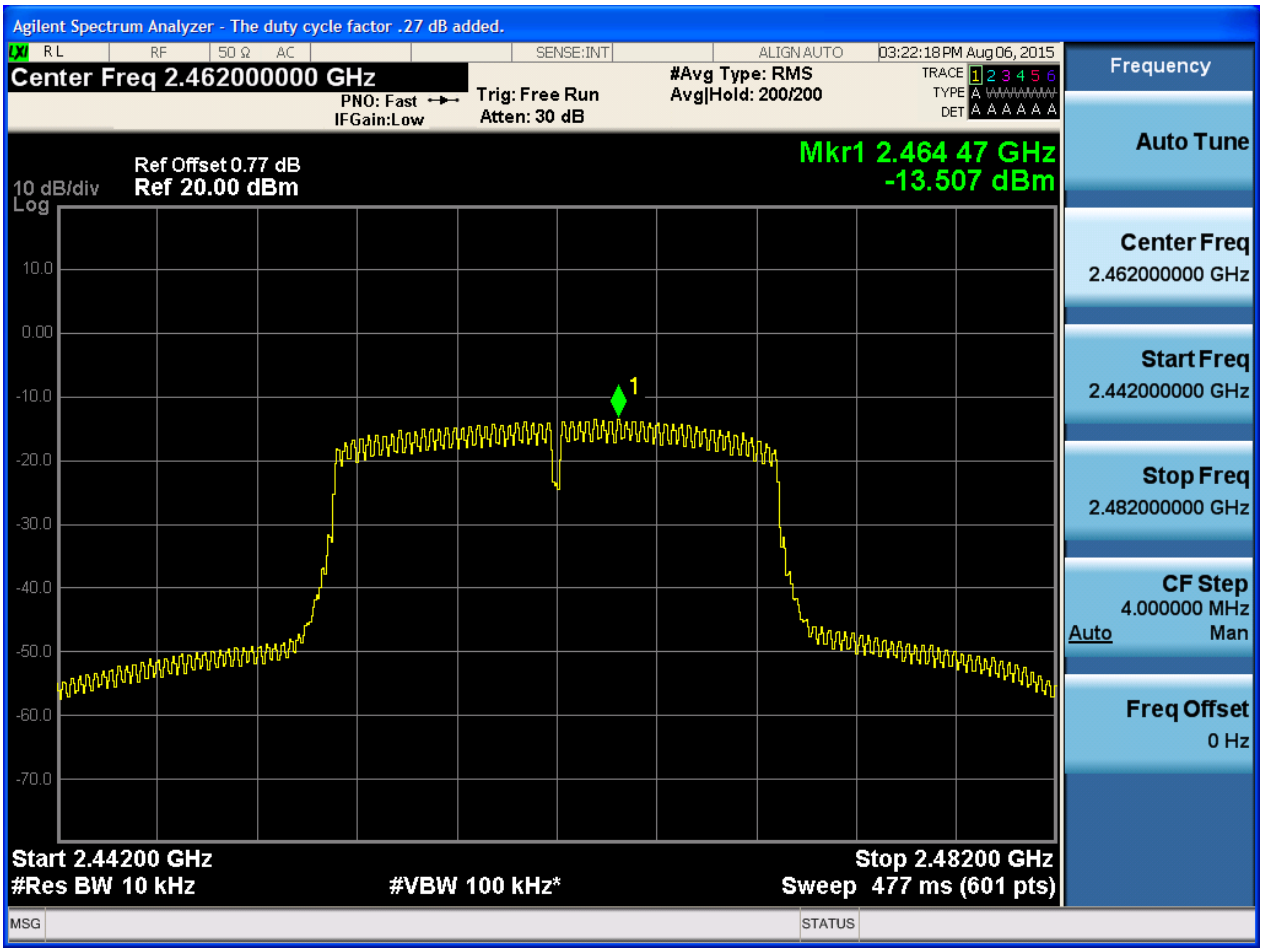
2.18 11N20m_H@Ant 2



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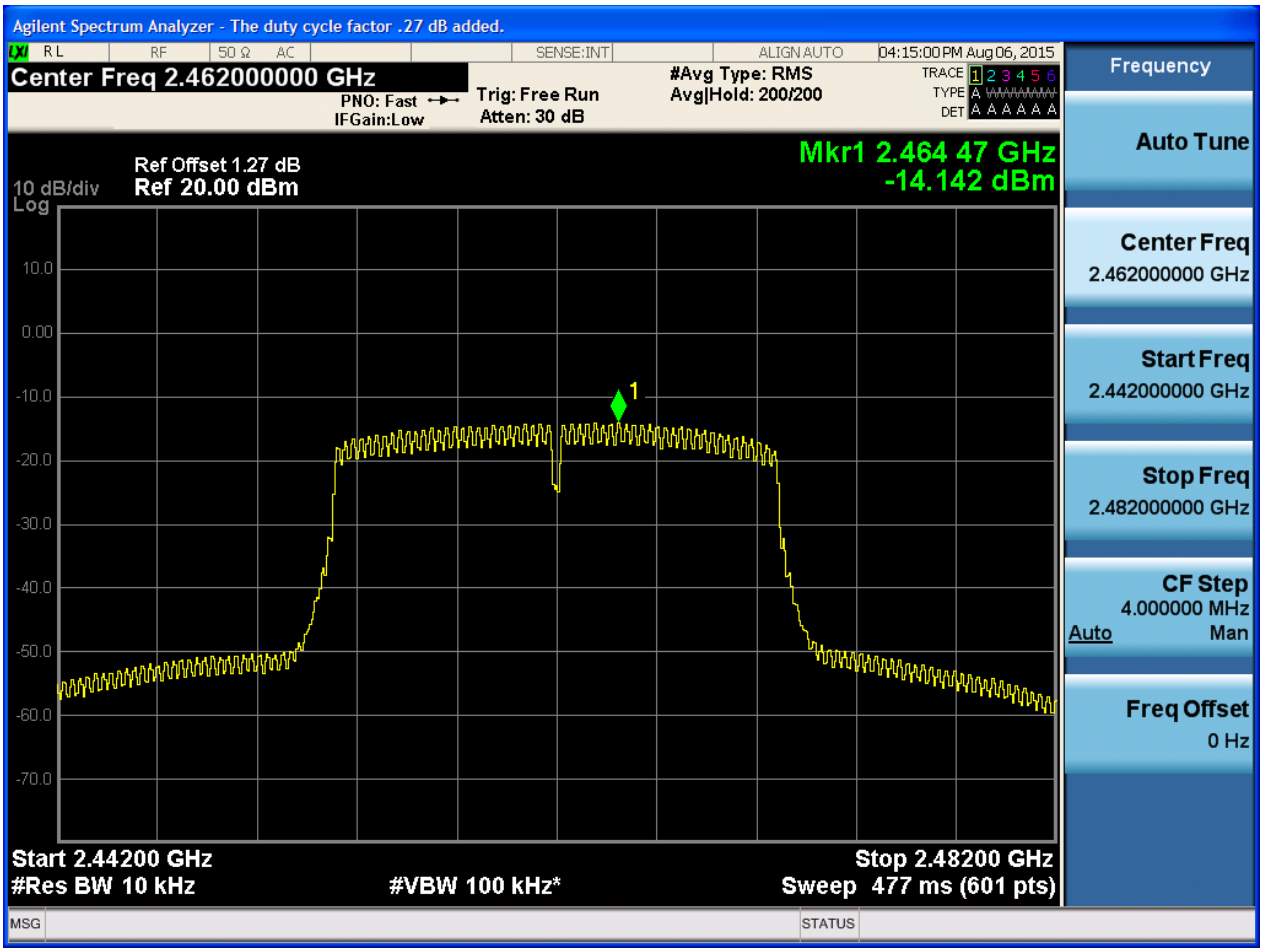

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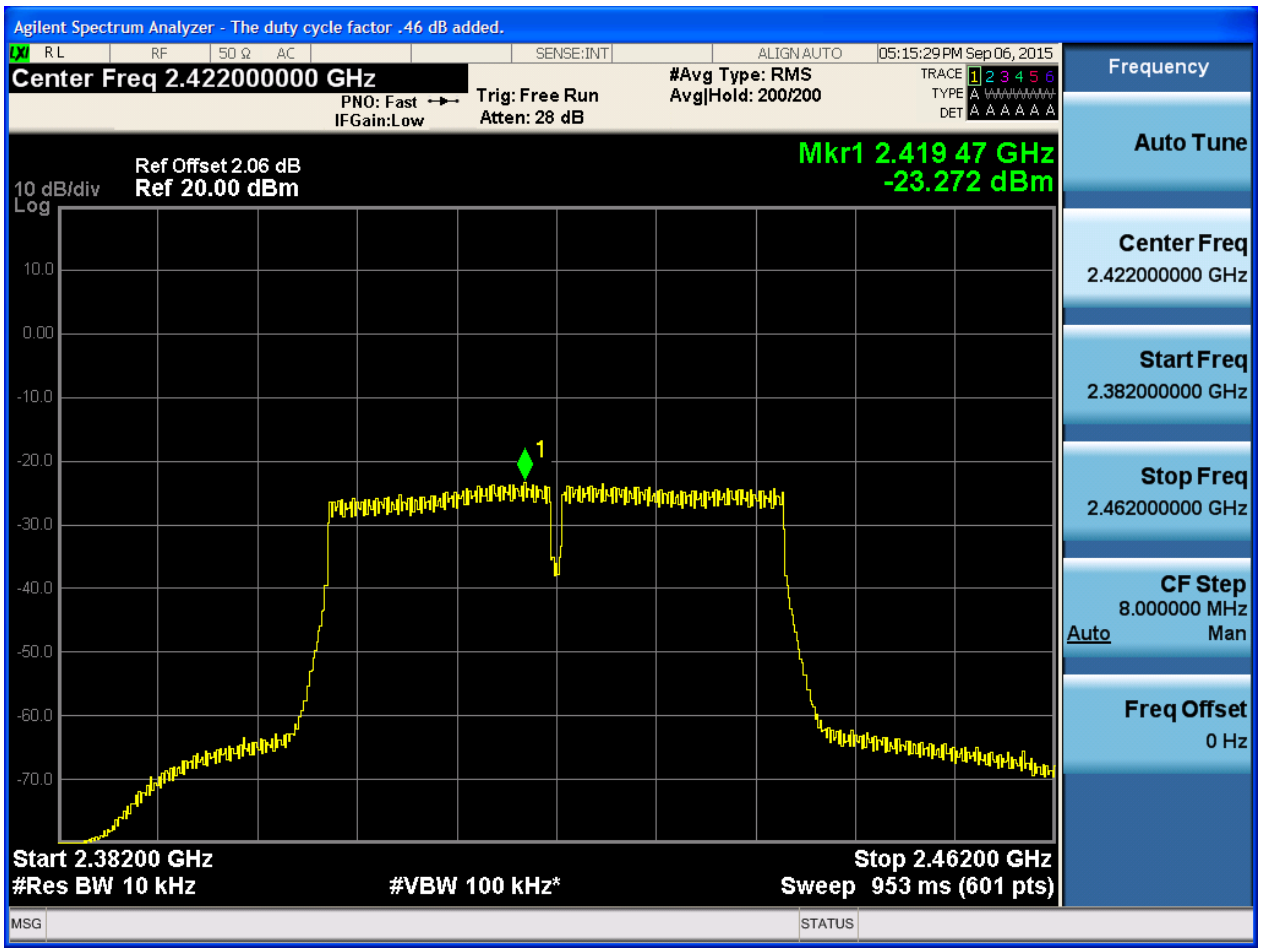
2.19 11N40_L@Ant 1



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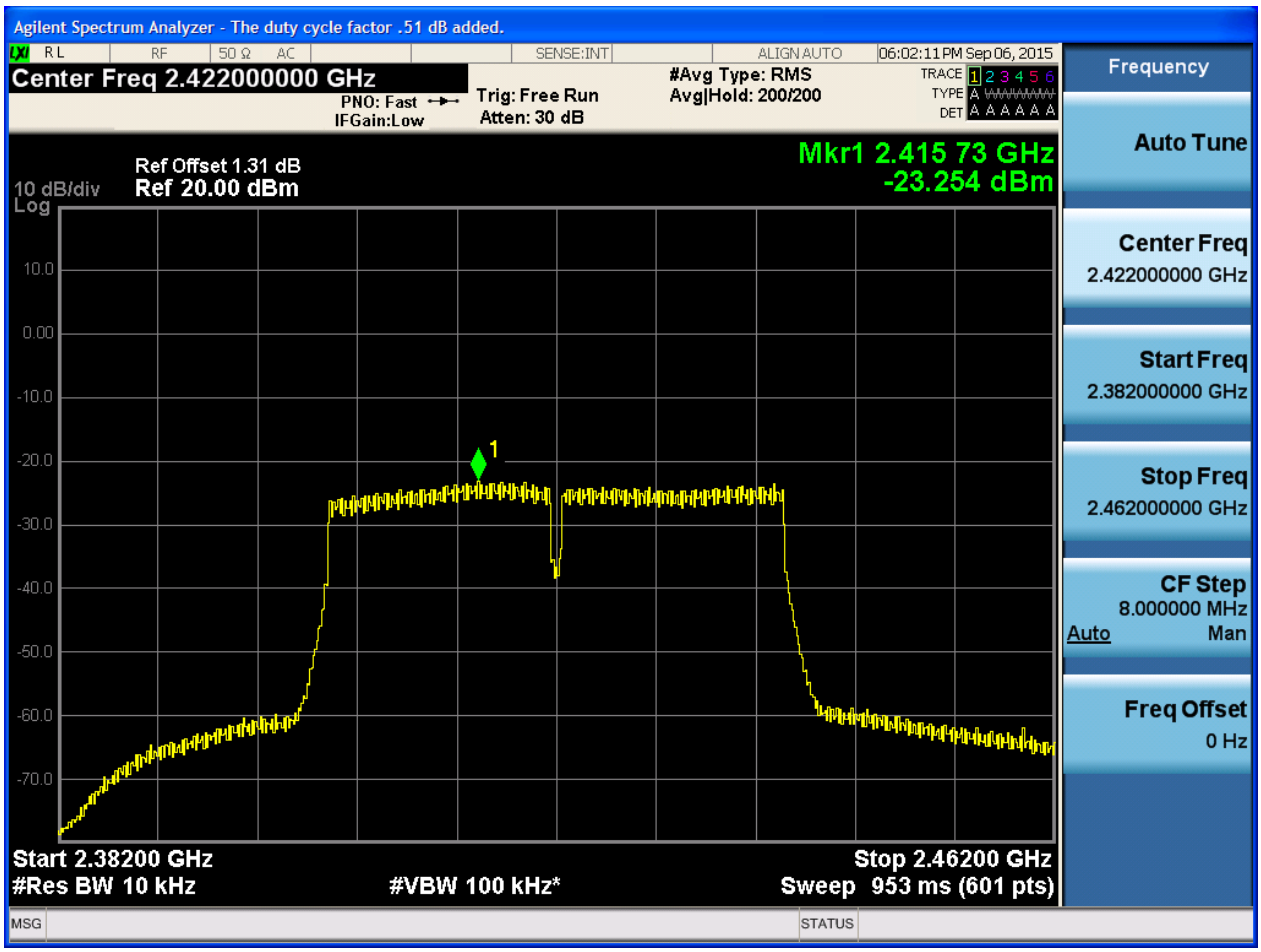

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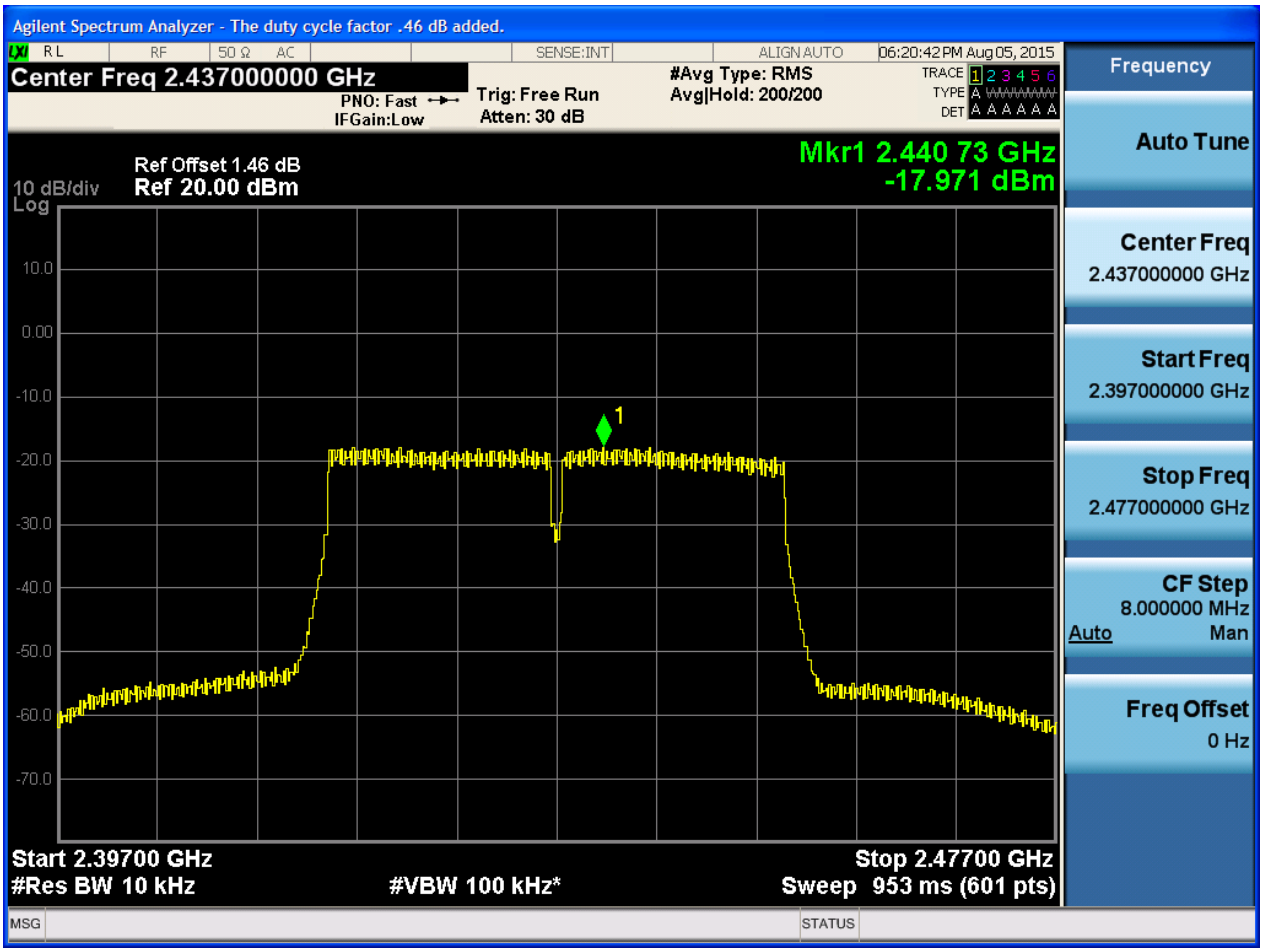

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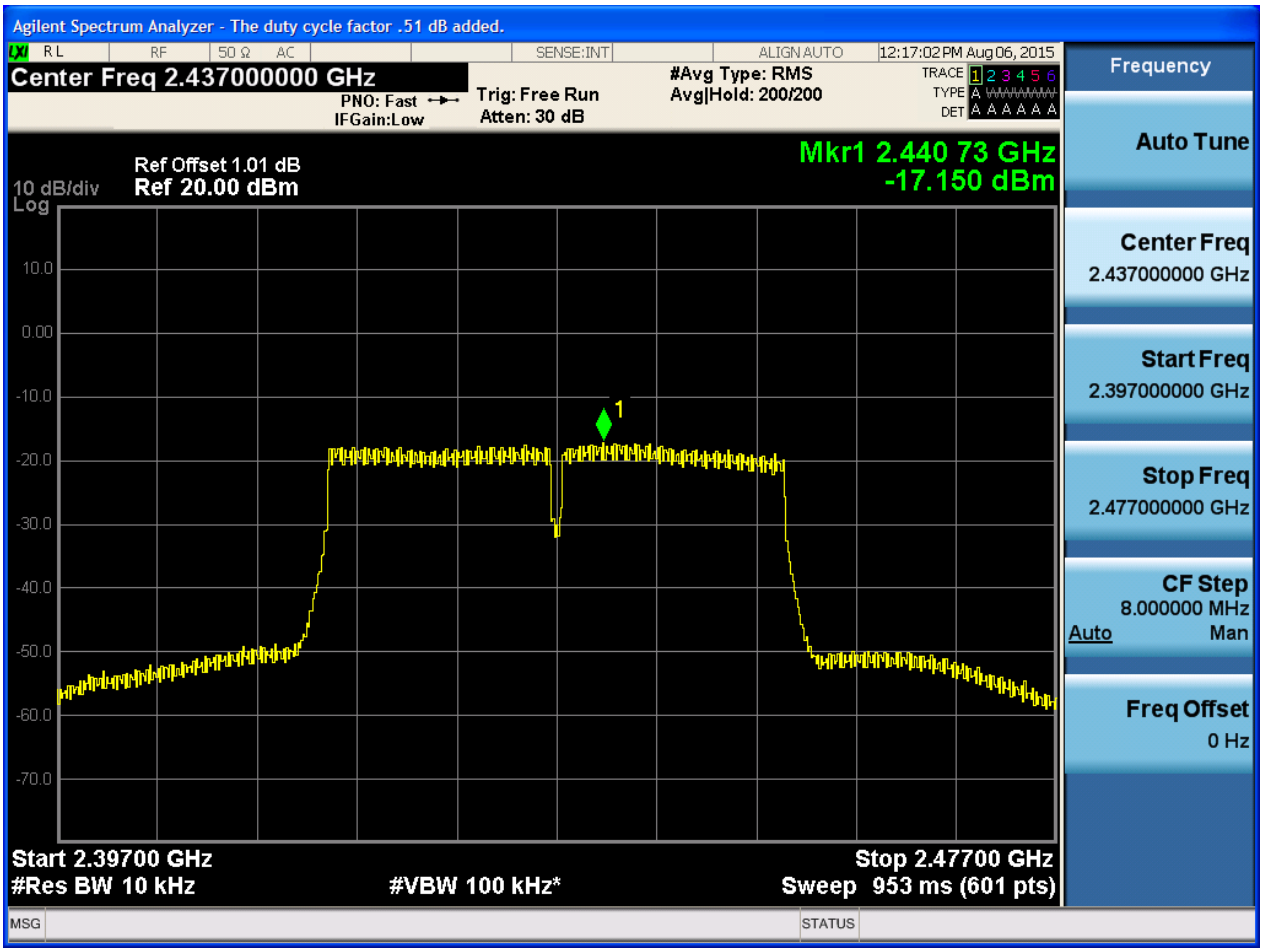

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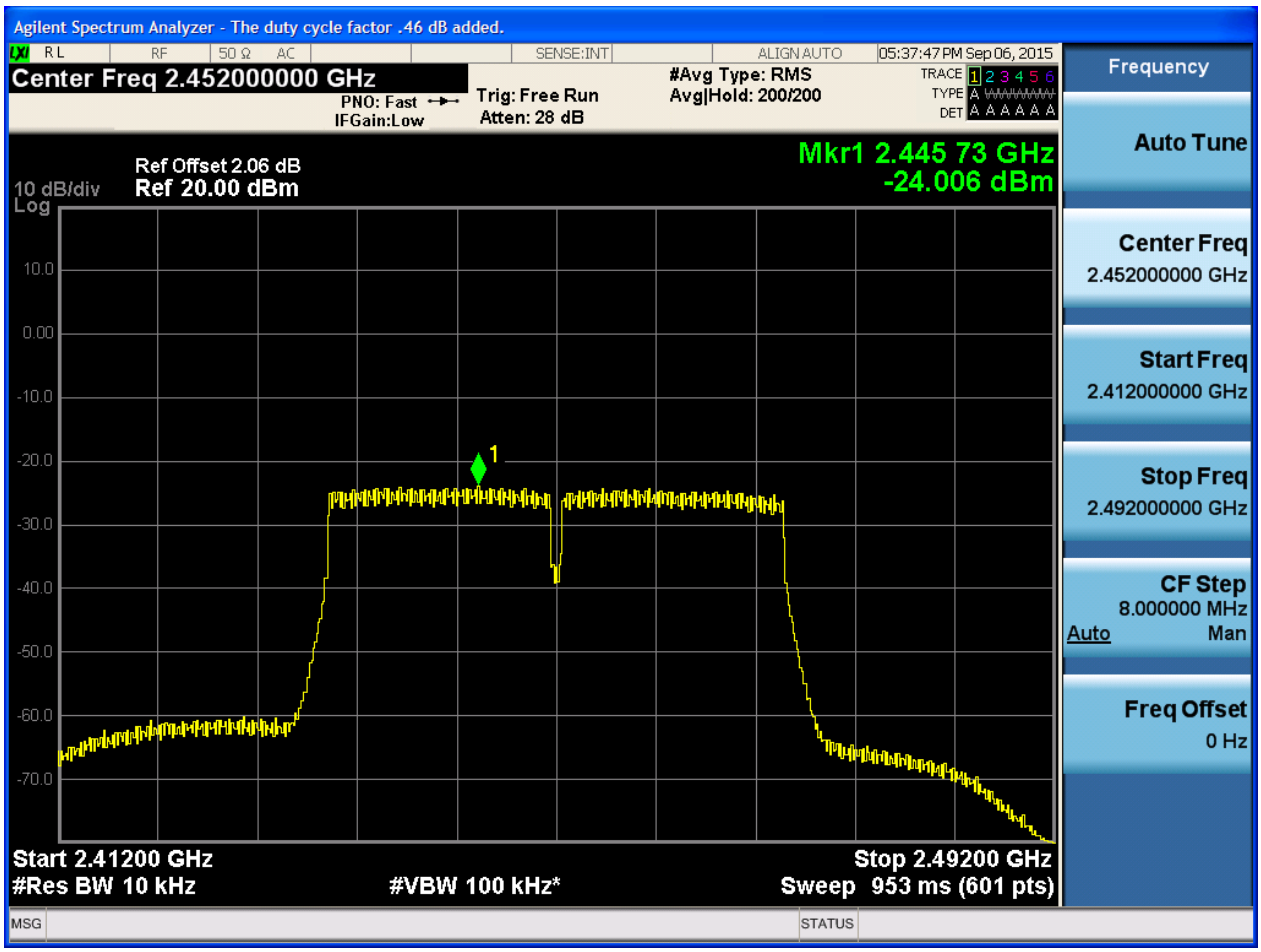

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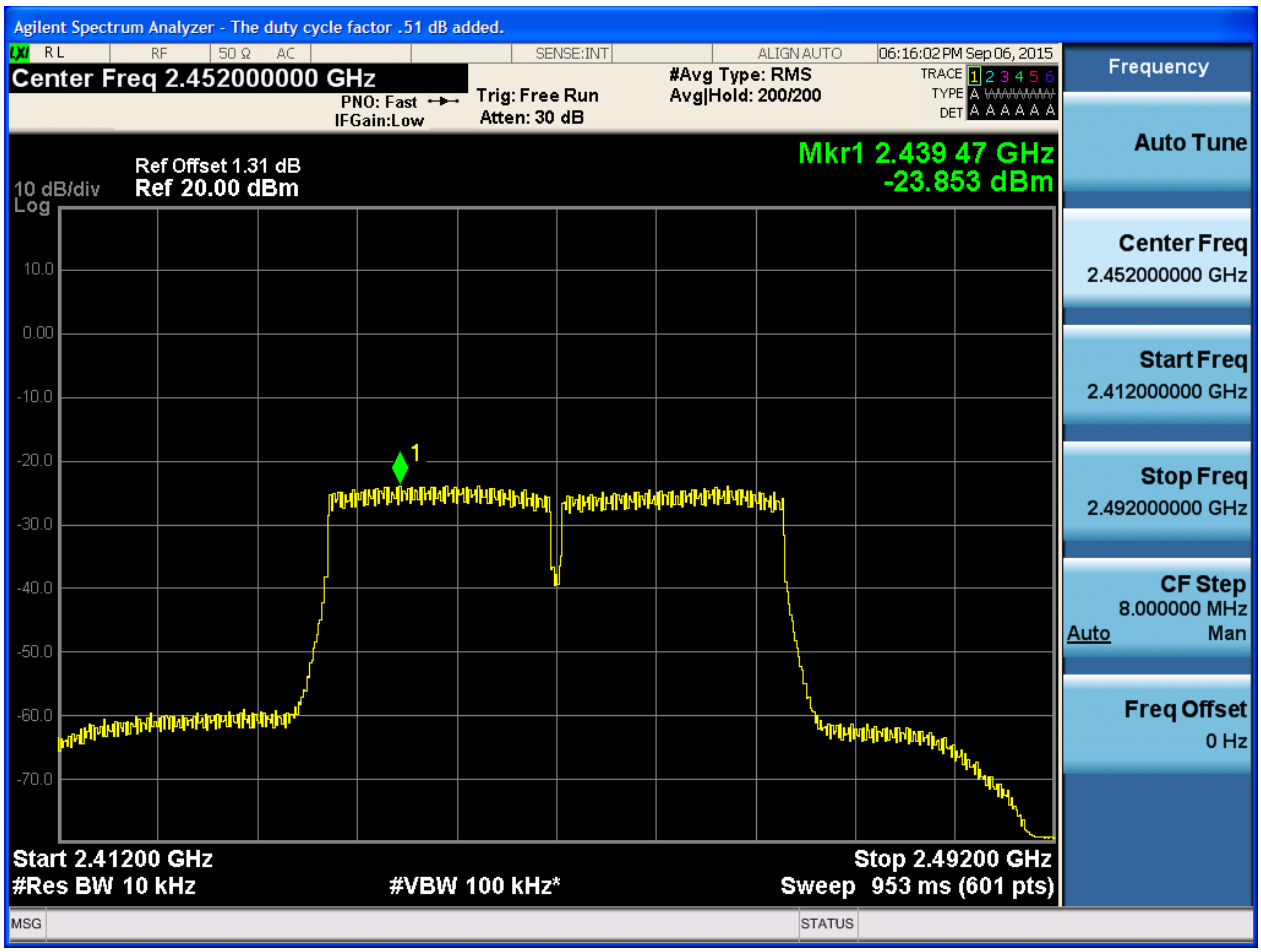
2.24 11N40_H@Ant 2



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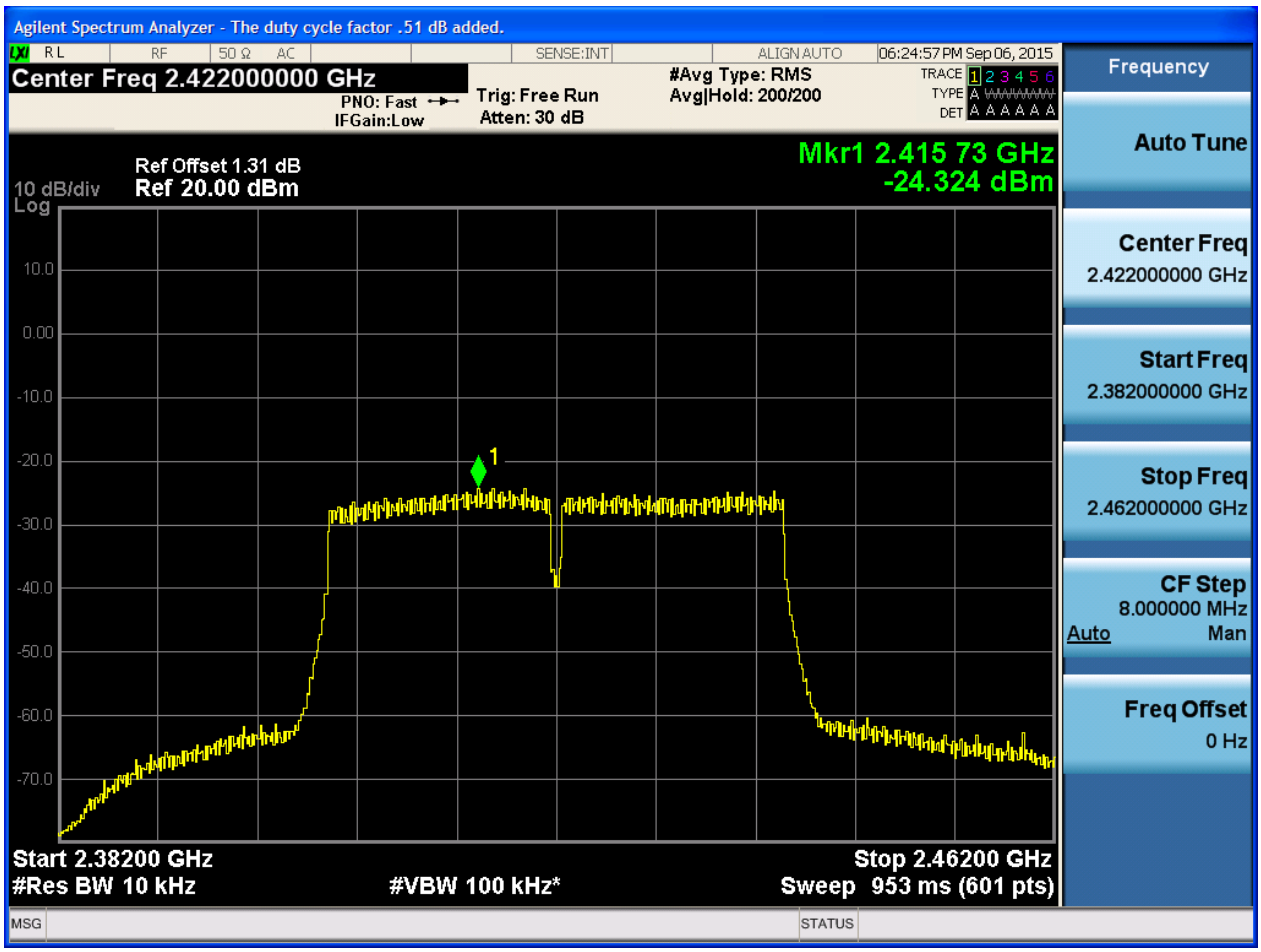

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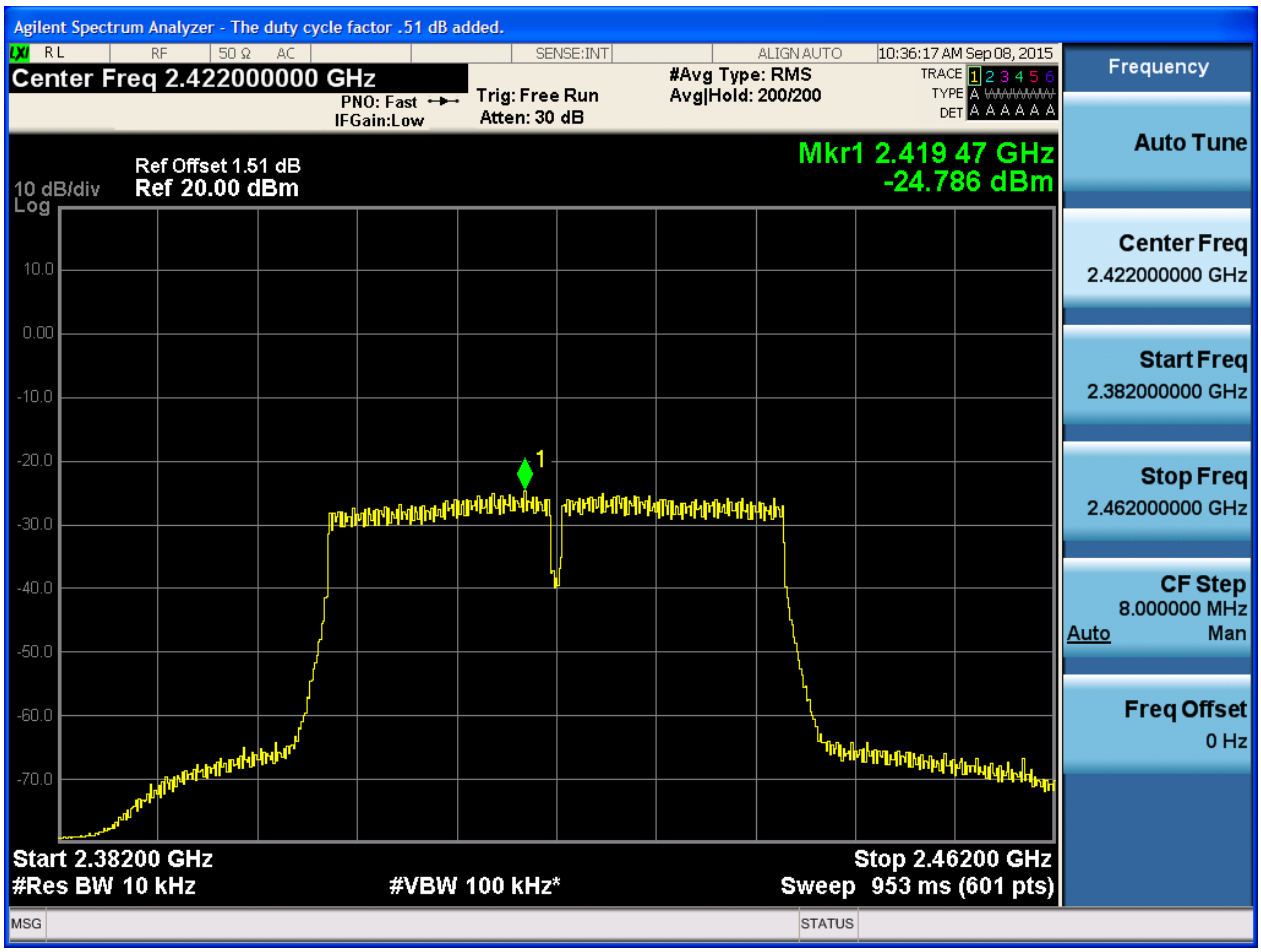

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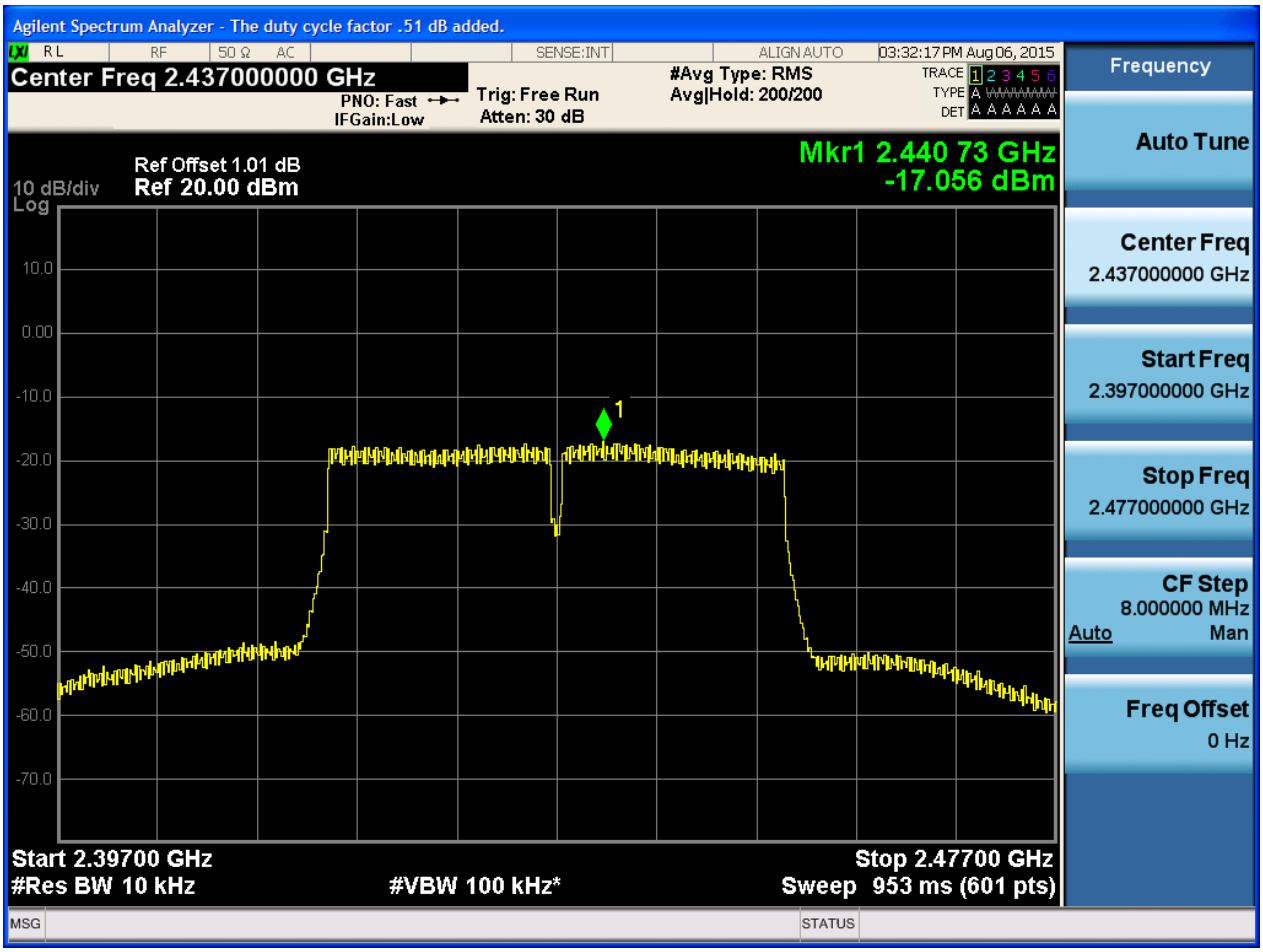

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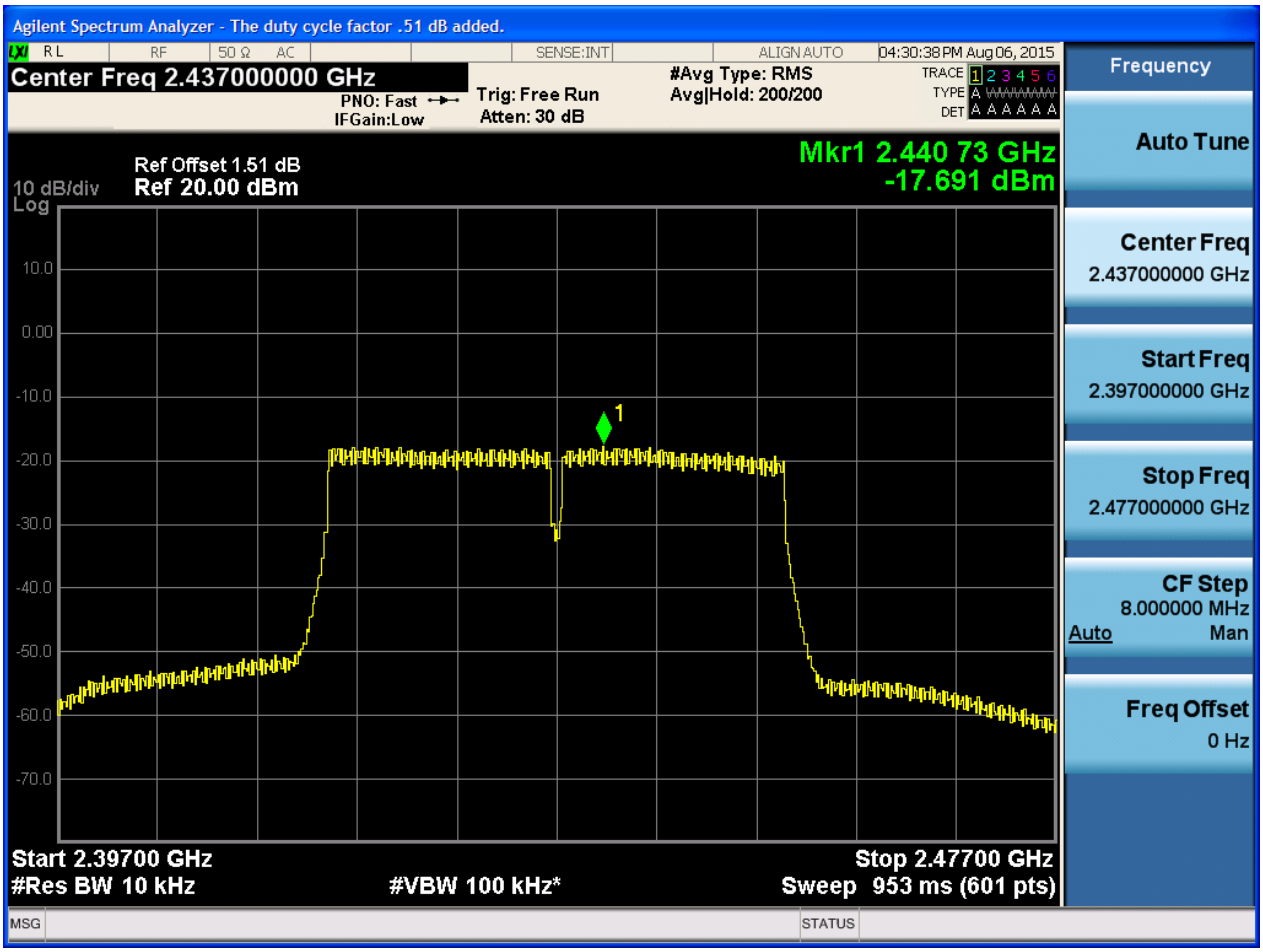

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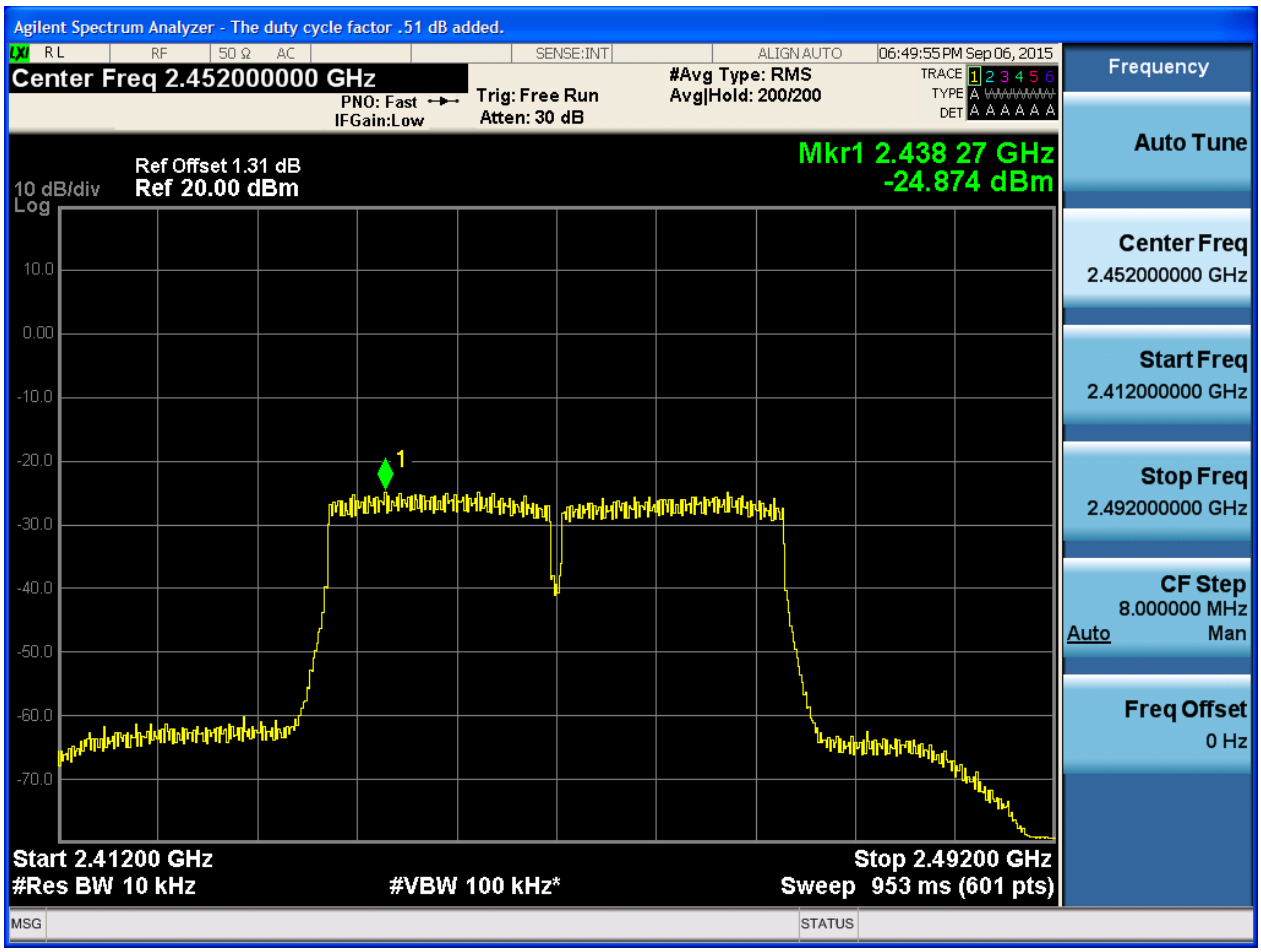

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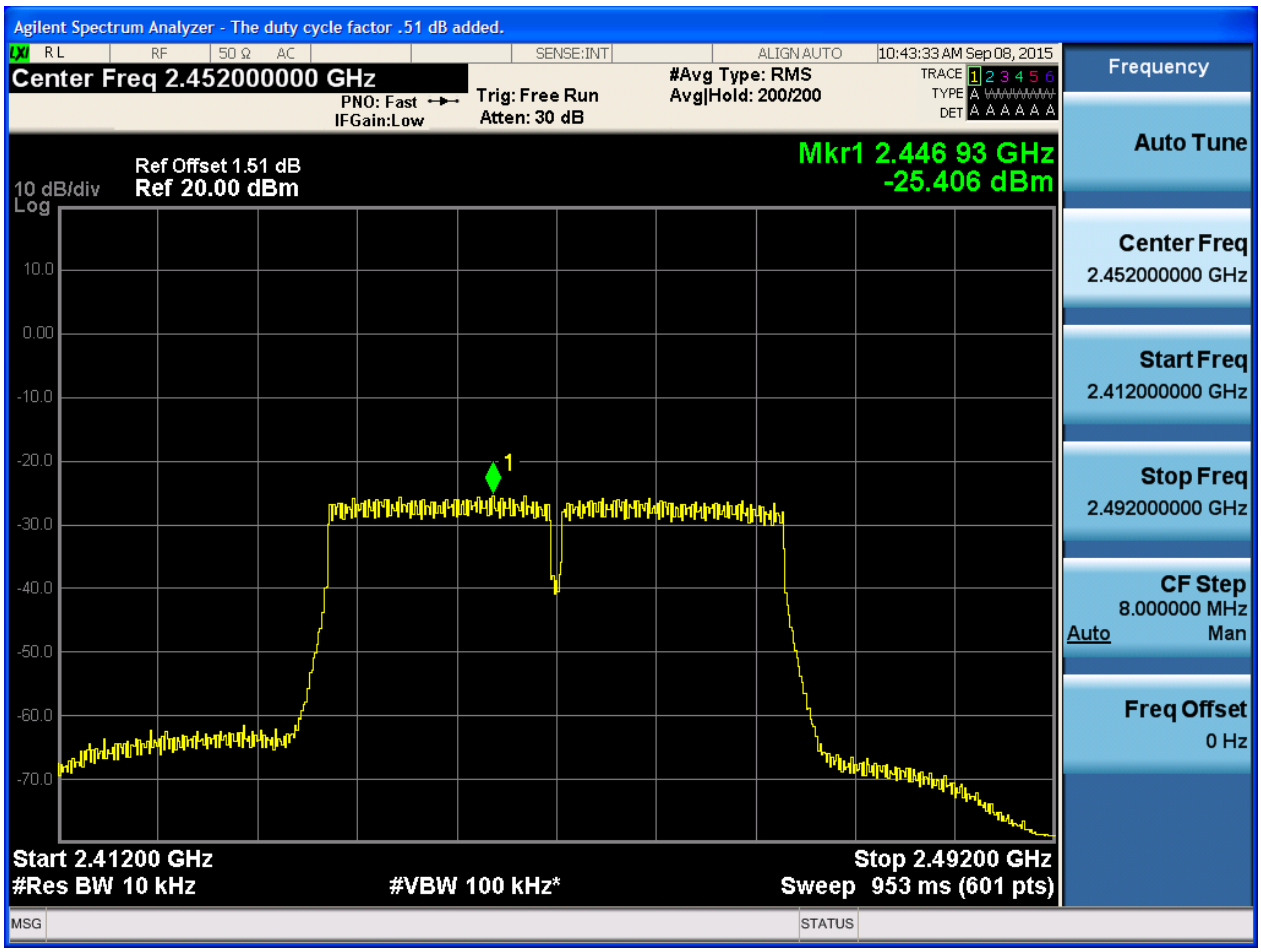

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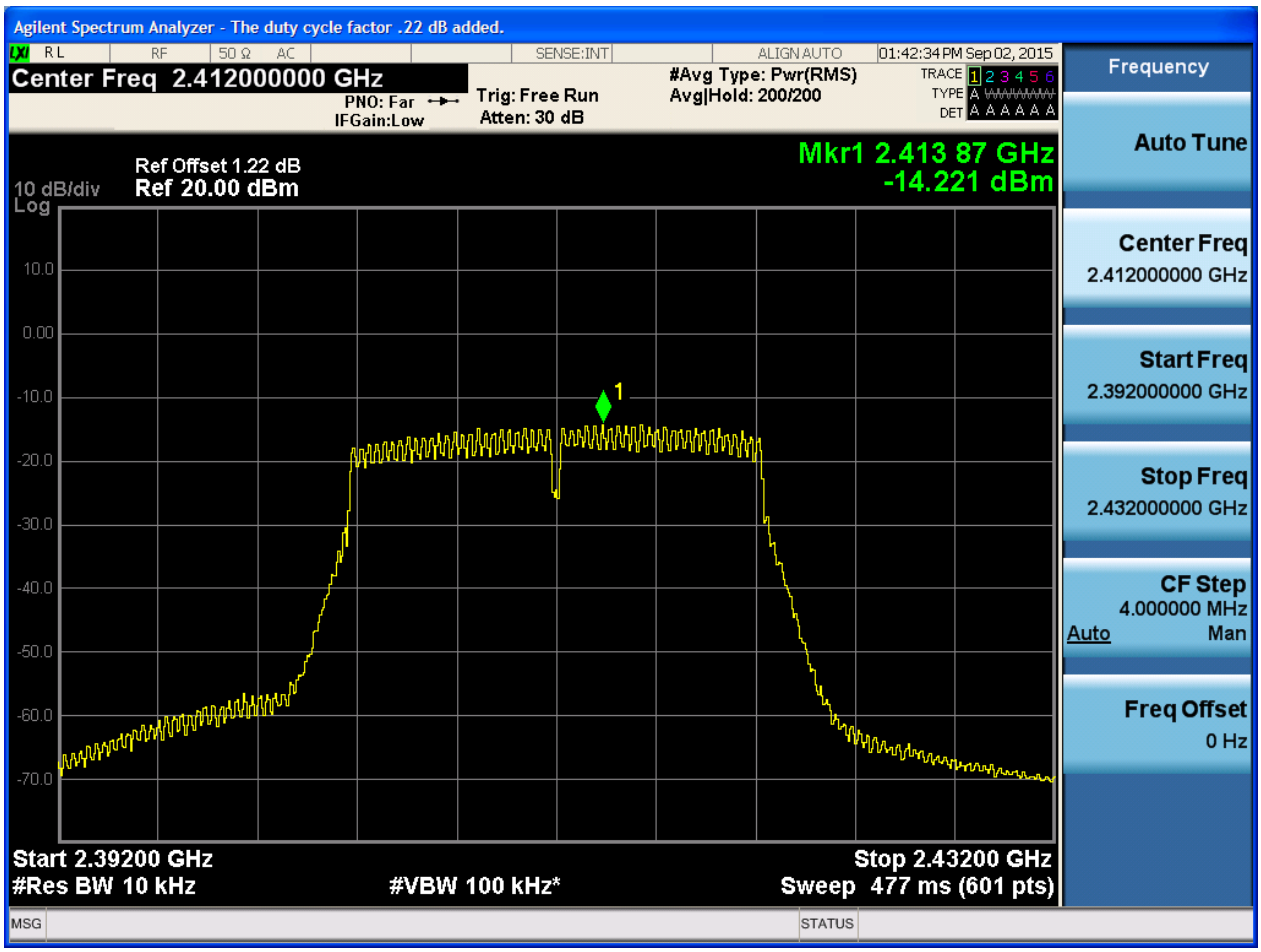

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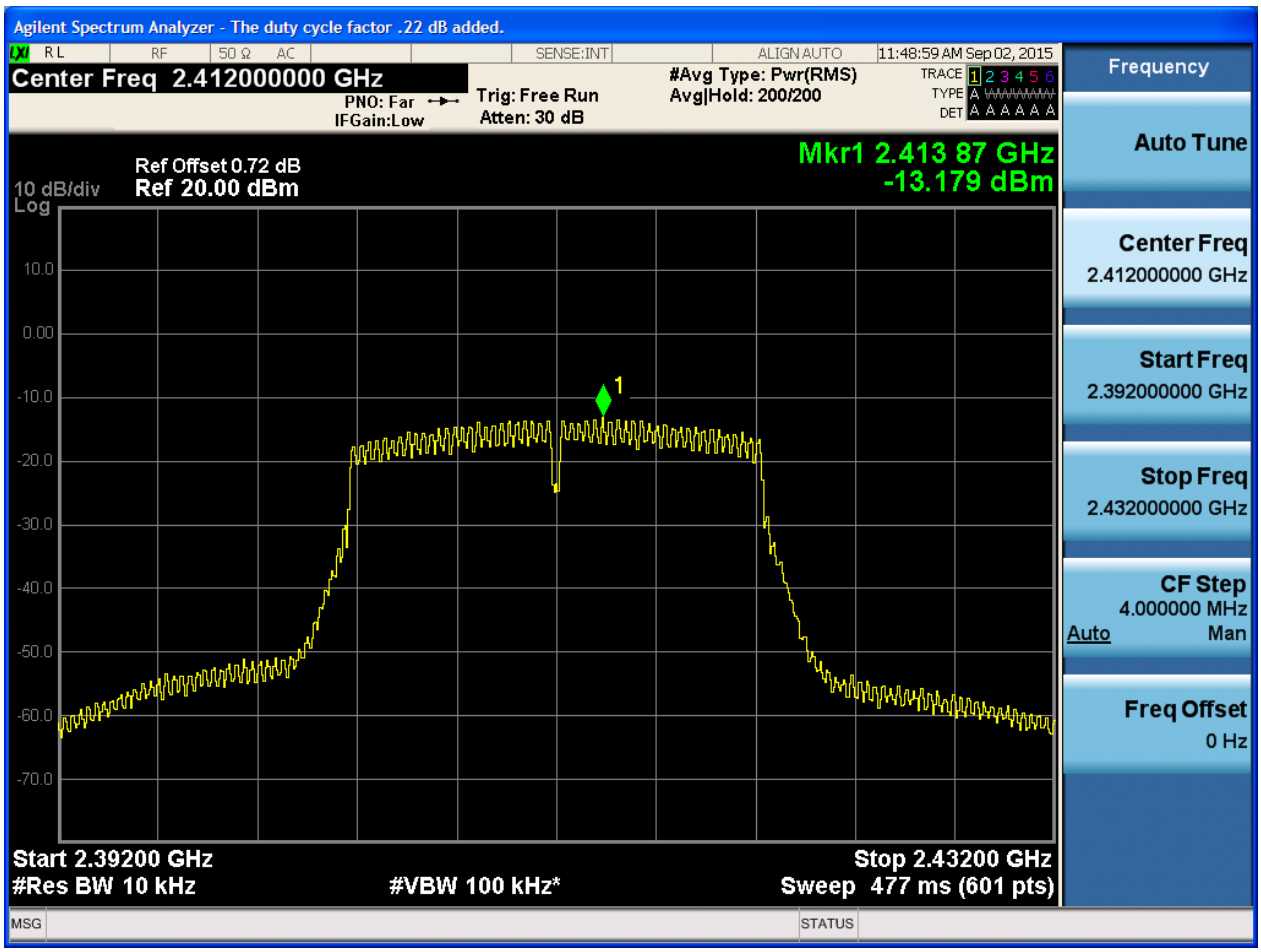

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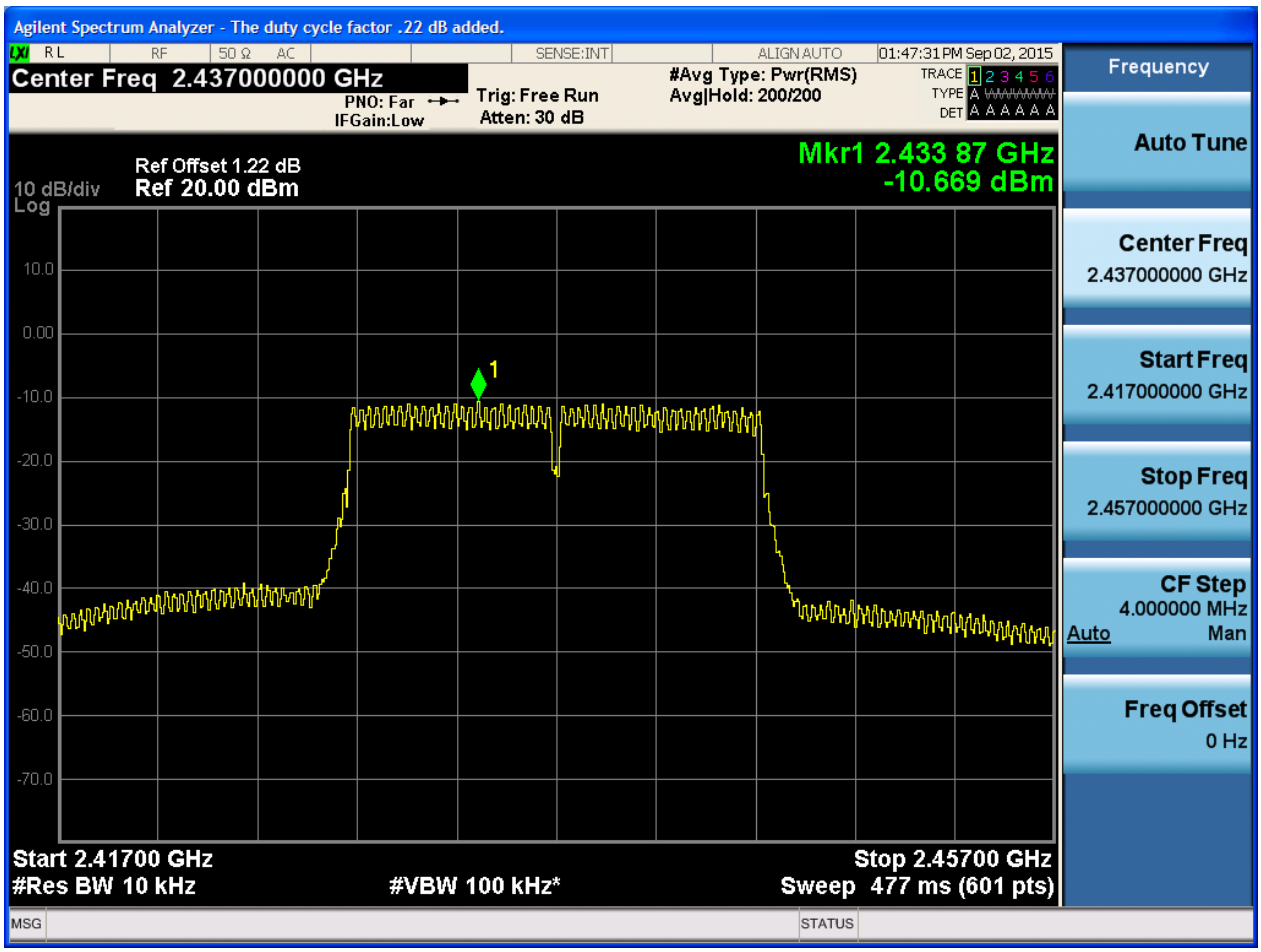

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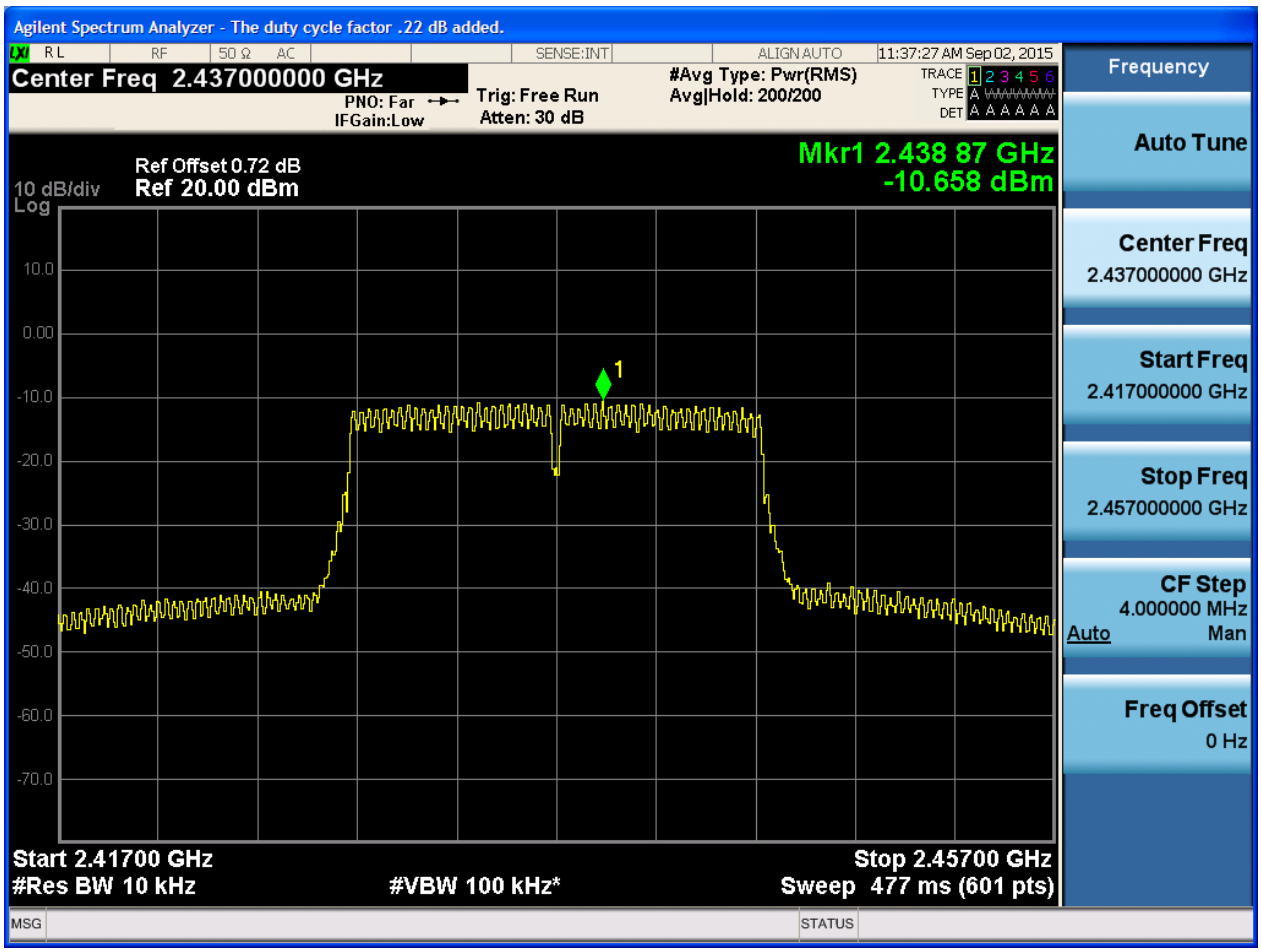

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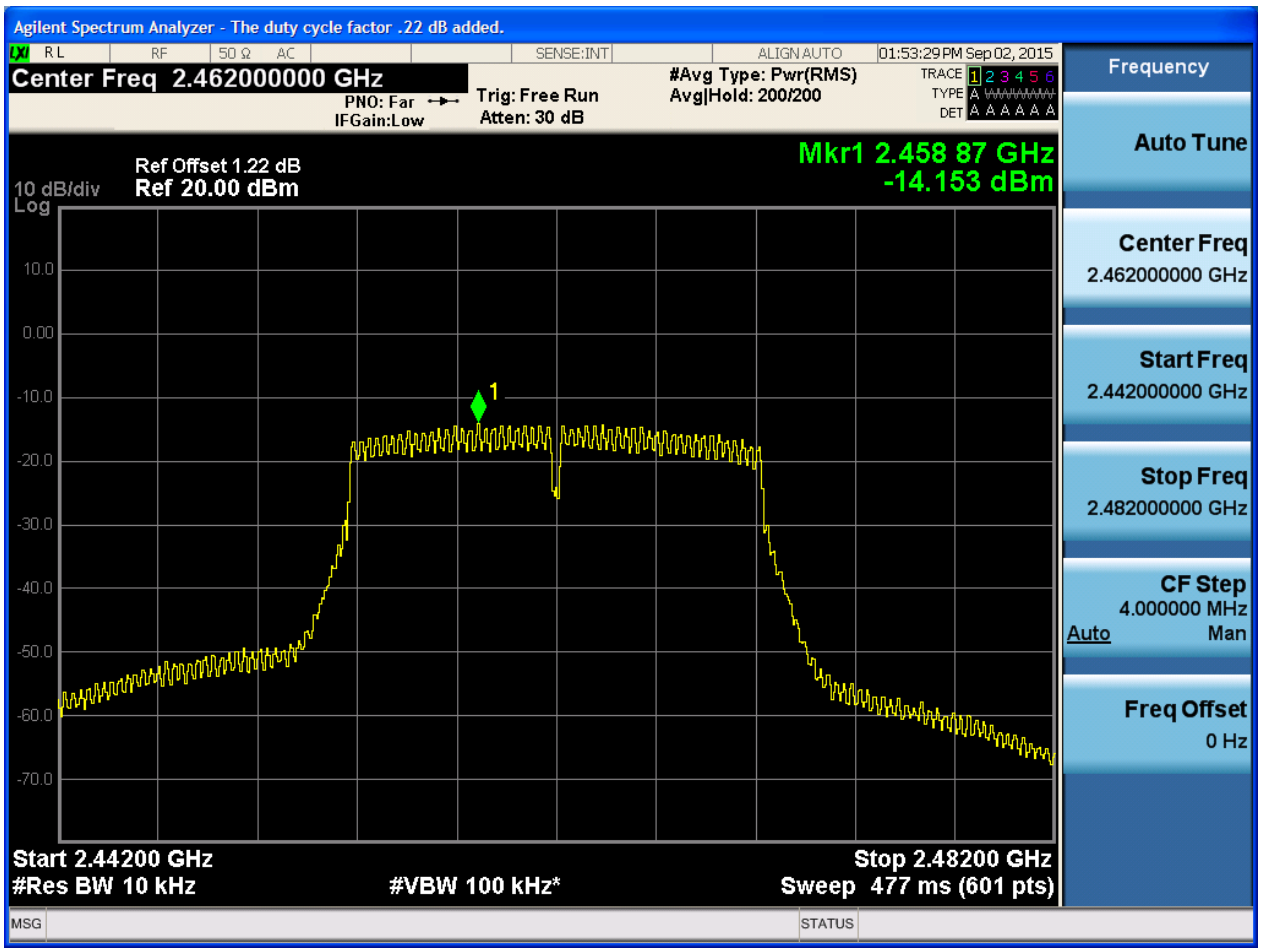
2.40 11G CDD_H@Ant 1



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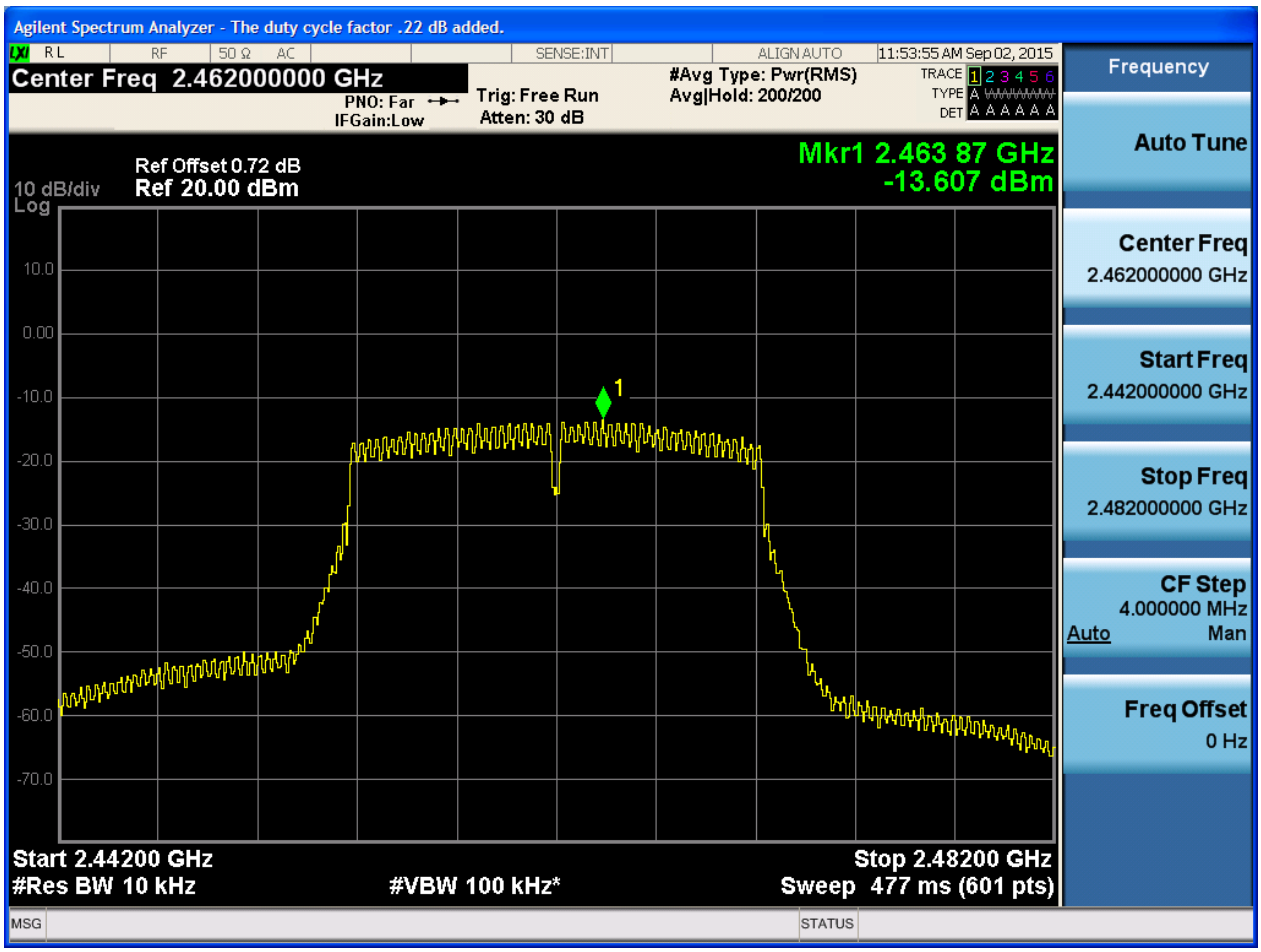

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Appendix F: Band Edges Compliance

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Carrier Power[dBm]	Max.Spurious Level[dBm]	Verdict
11B	L	2412	Ant 1	10.25	-48.97	pass
11B	L	2412	Ant 2	10.62	-46.72	pass
11B	H	2462	Ant 1	10.54	-45.69	pass
11B	H	2462	Ant 2	10.57	-45.18	pass
11G	L	2412	Ant 1	5.36	-47.87	pass
11G	L	2412	Ant 2	6.18	-45.88	pass
11G	H	2462	Ant 1	5.24	-45.36	pass
11G	H	2462	Ant 2	5.68	-43.24	pass
11N20	L	2412	Ant 1	5.22	-46.08	pass
11N20	L	2412	Ant 2	5.88	-43.95	pass
11N20	H	2462	Ant 1	5.24	-40.47	pass
11N20	H	2462	Ant 2	5.51	-38.47	pass
11N20m	L	2412	Ant 2	5.85	-43.78	pass
11N20m	L	2412	Ant 1	5.34	-43.82	pass
11N20m	H	2462	Ant 2	5.47	-39.67	pass
11N20m	H	2462	Ant 1	5.04	-40.17	pass
11N40	L	2422	Ant 1	1.64	-47.61	pass
11N40	L	2422	Ant 2	2.18	-46.11	pass
11N40	H	2452	Ant 1	0.46	-46.19	pass
11N40	H	2452	Ant 2	1.44	-42.87	pass
11N40m	L	2422	Ant 2	2.51	-46.47	pass
11N40m	L	2422	Ant 1	1.92	-48.05	pass
11N40m	H	2452	Ant 2	1.66	-44.70	pass
11N40m	H	2452	Ant 1	0.45	-47.30	pass
11G CDD	L	2412	Ant 1	5.36	-50.36	pass
11G CDD	L	2412	Ant 2	6.18	-48.23	pass
11G CDD	H	2462	Ant 1	5.24	-46.46	pass
11G CDD	H	2462	Ant 2	5.68	-45.52	pass

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Part II - Test Plots

2.1 11B_L@Ant 1

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2.2 11B_L@Ant 2

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2.3 11B_H@Ant 1

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2.4 11B_H@Ant 2

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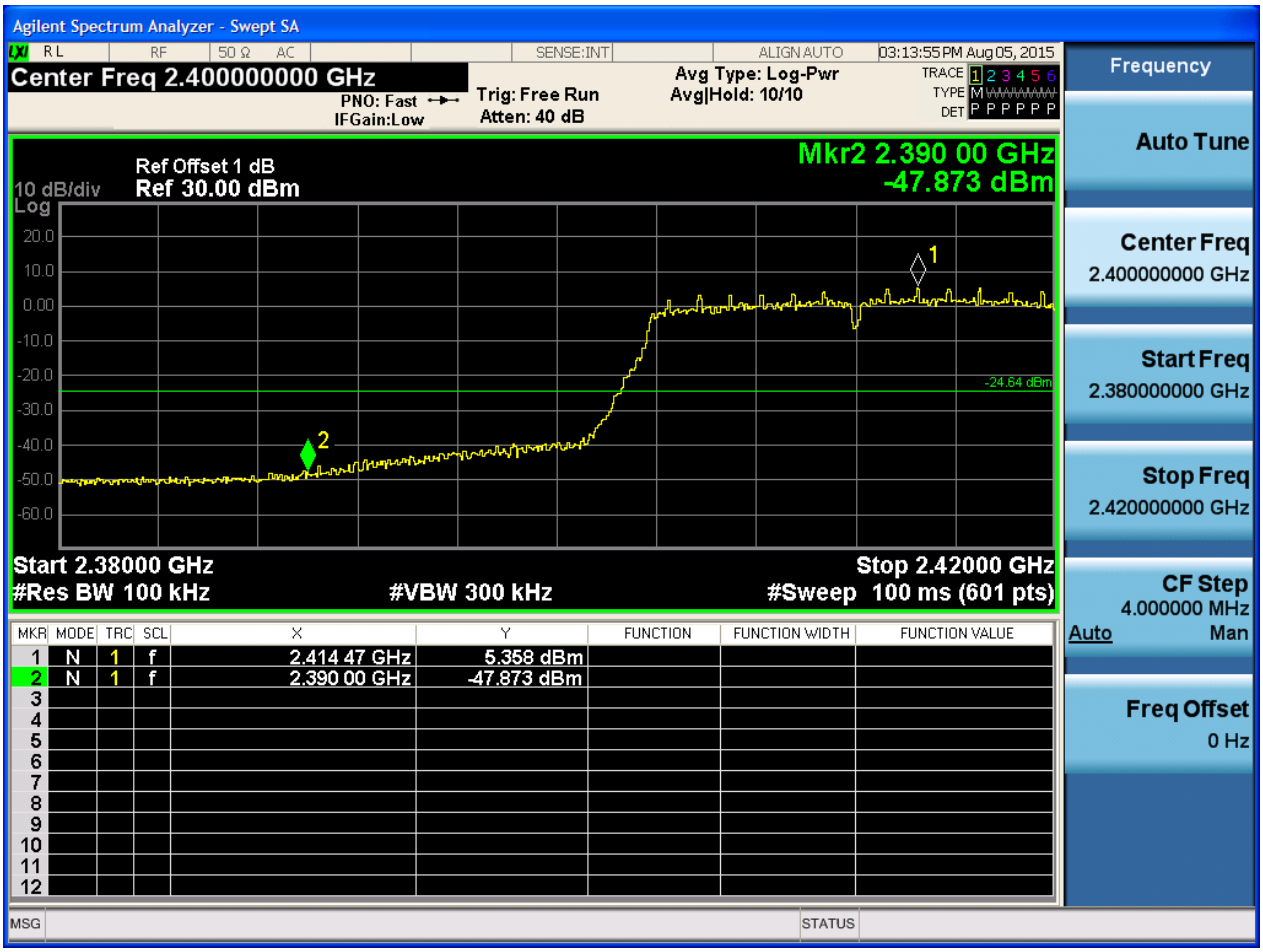
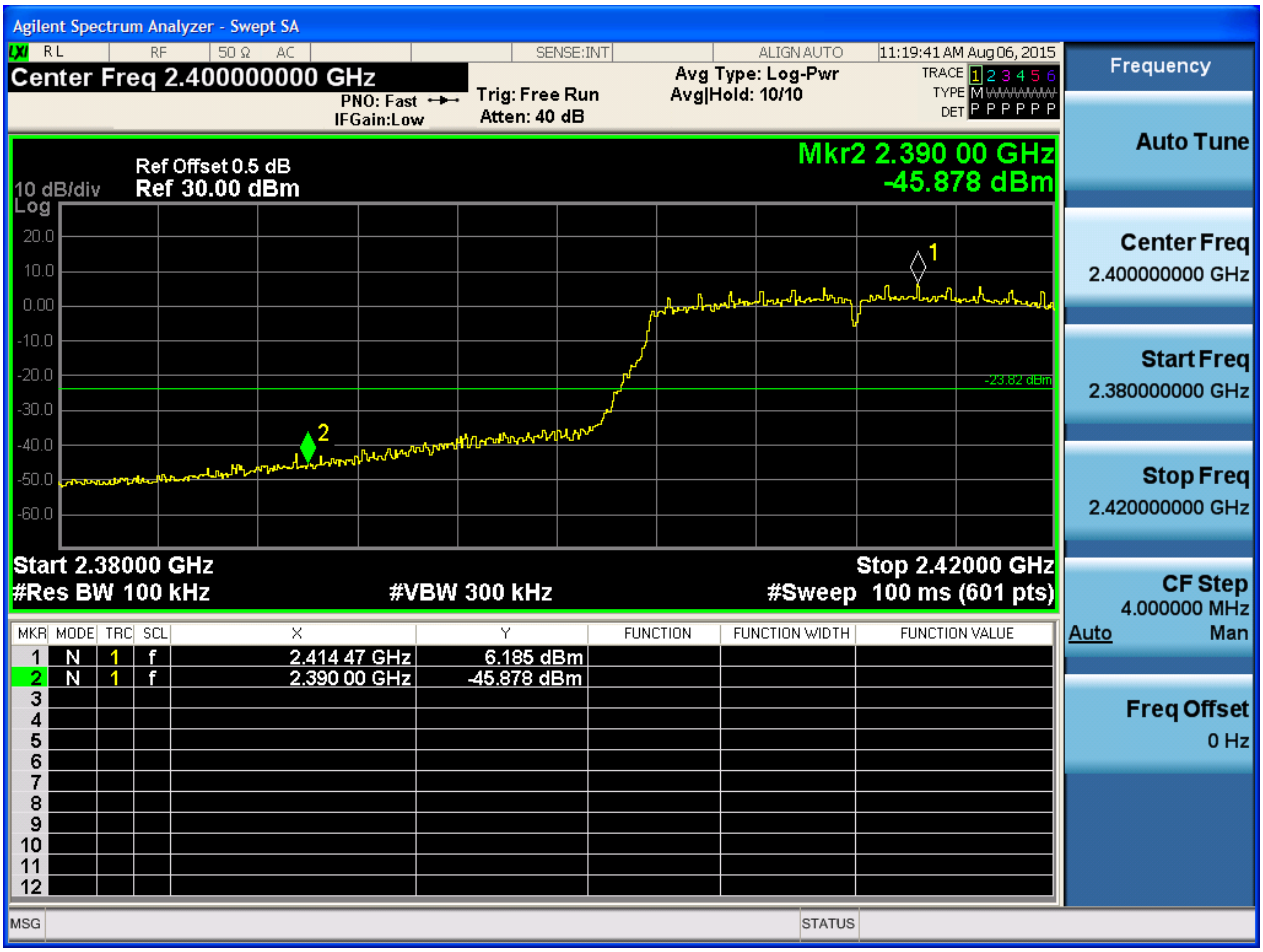
2.5 11G_L@Ant 1


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.400000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
03:13:55 PM Aug 05, 2015
Ref Offset 1 dB
10 dB/div
Ref 30.00 dBm
Mkr2 2.390 00 GHz
-47.873 dBm
-24.64 dBm
Start 2.38000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.42000 GHz
#Sweep 100 ms (601 pts)
1 N 1 f 2.414 47 GHz 5.358 dBm
2 N 1 f 2.390 00 GHz -47.873 dBm
Frequency
Auto Tune
Center Freq
2.400000000 GHz
Start Freq
2.380000000 GHz
Stop Freq
2.420000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

2.6 11G_L@Ant 2



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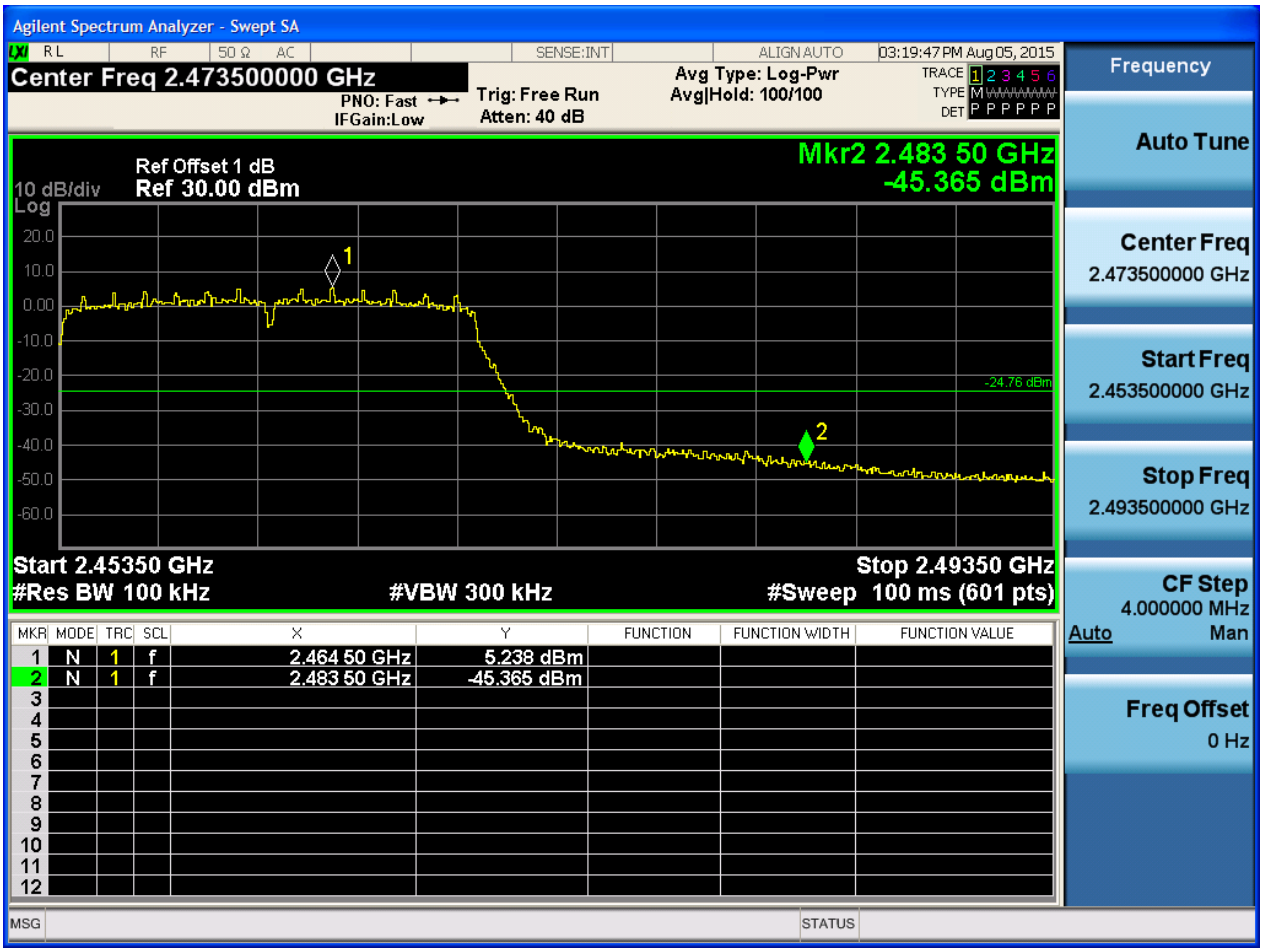
2.7 11G_H@Ant 1



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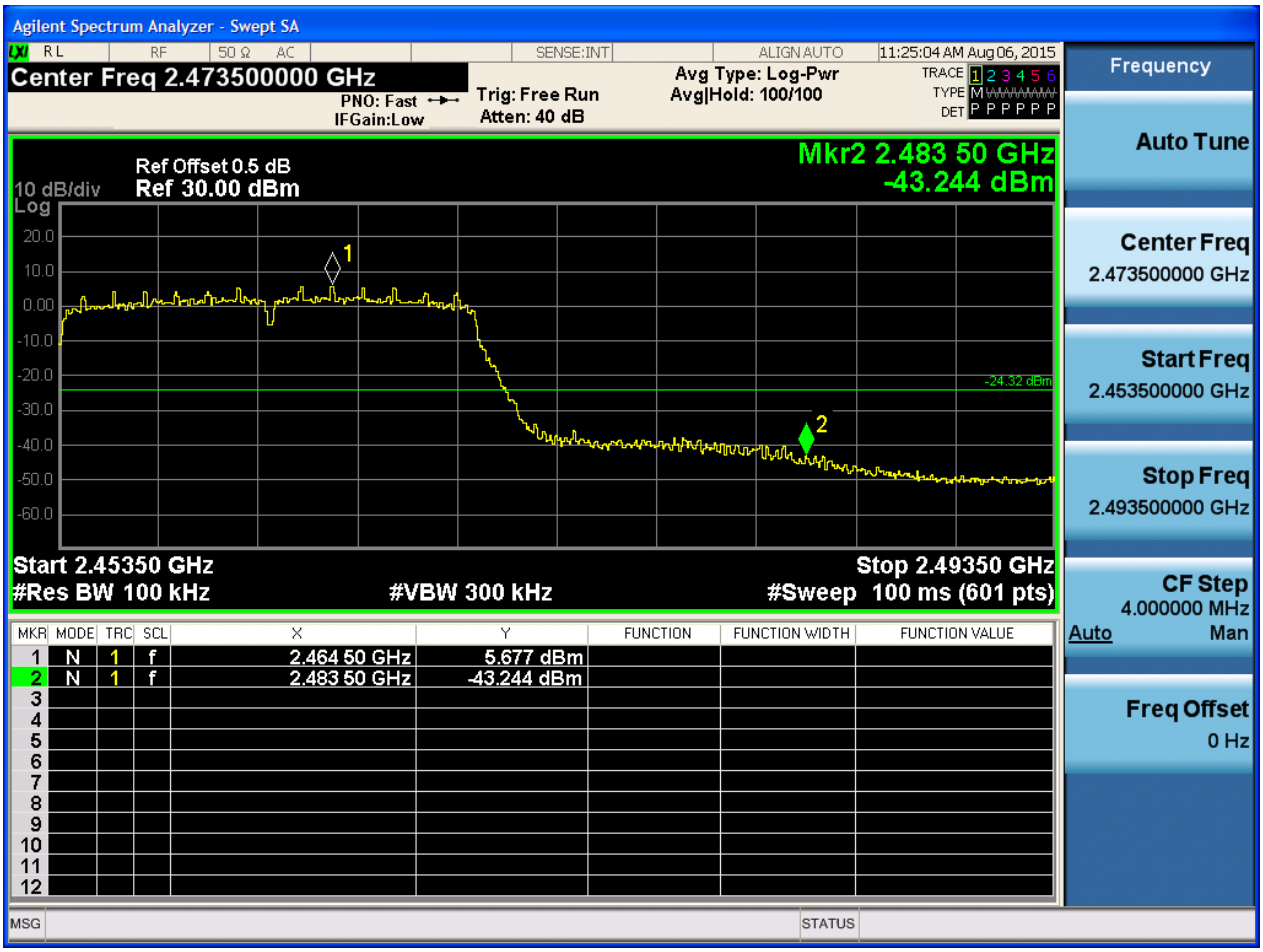

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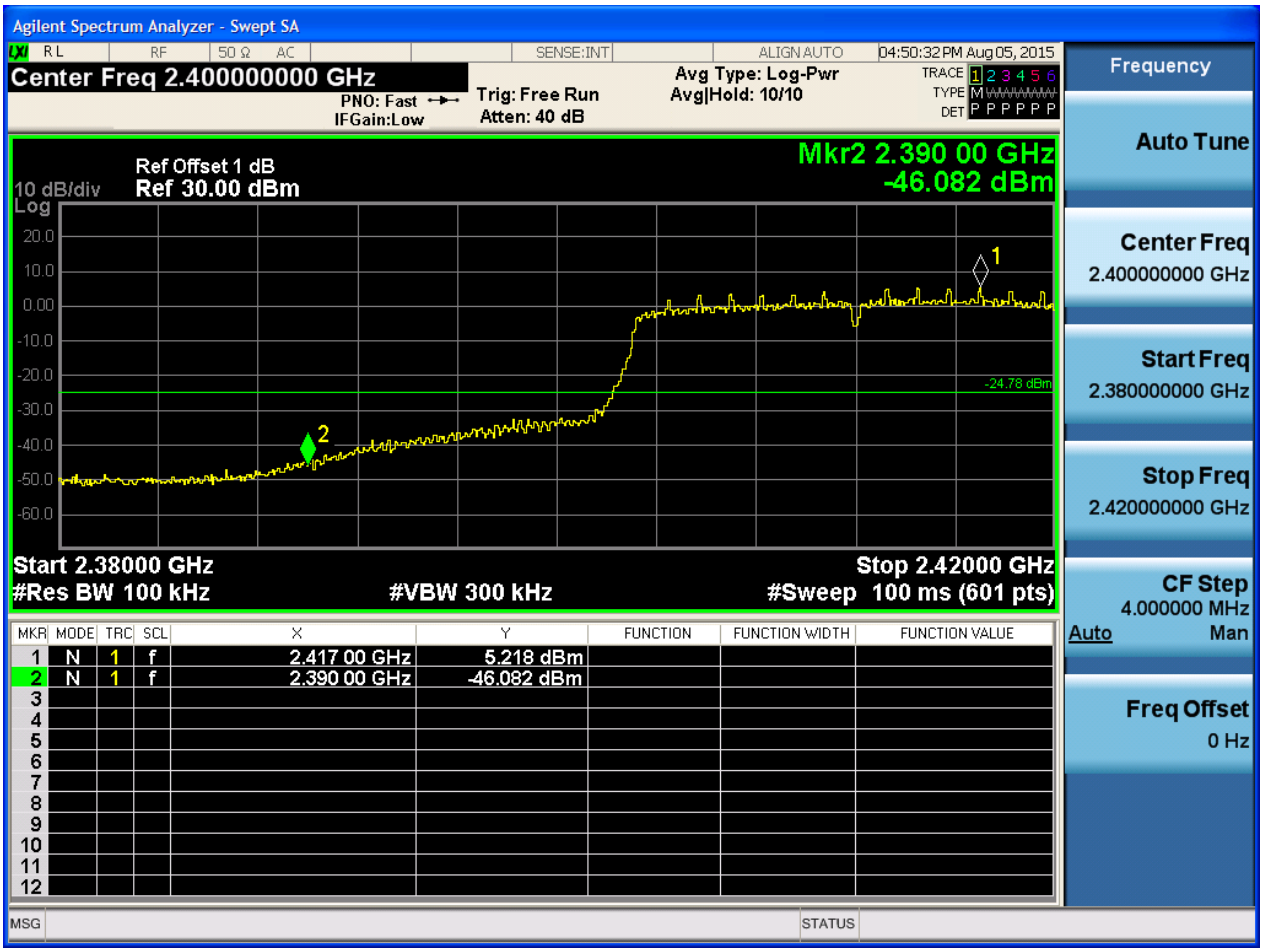

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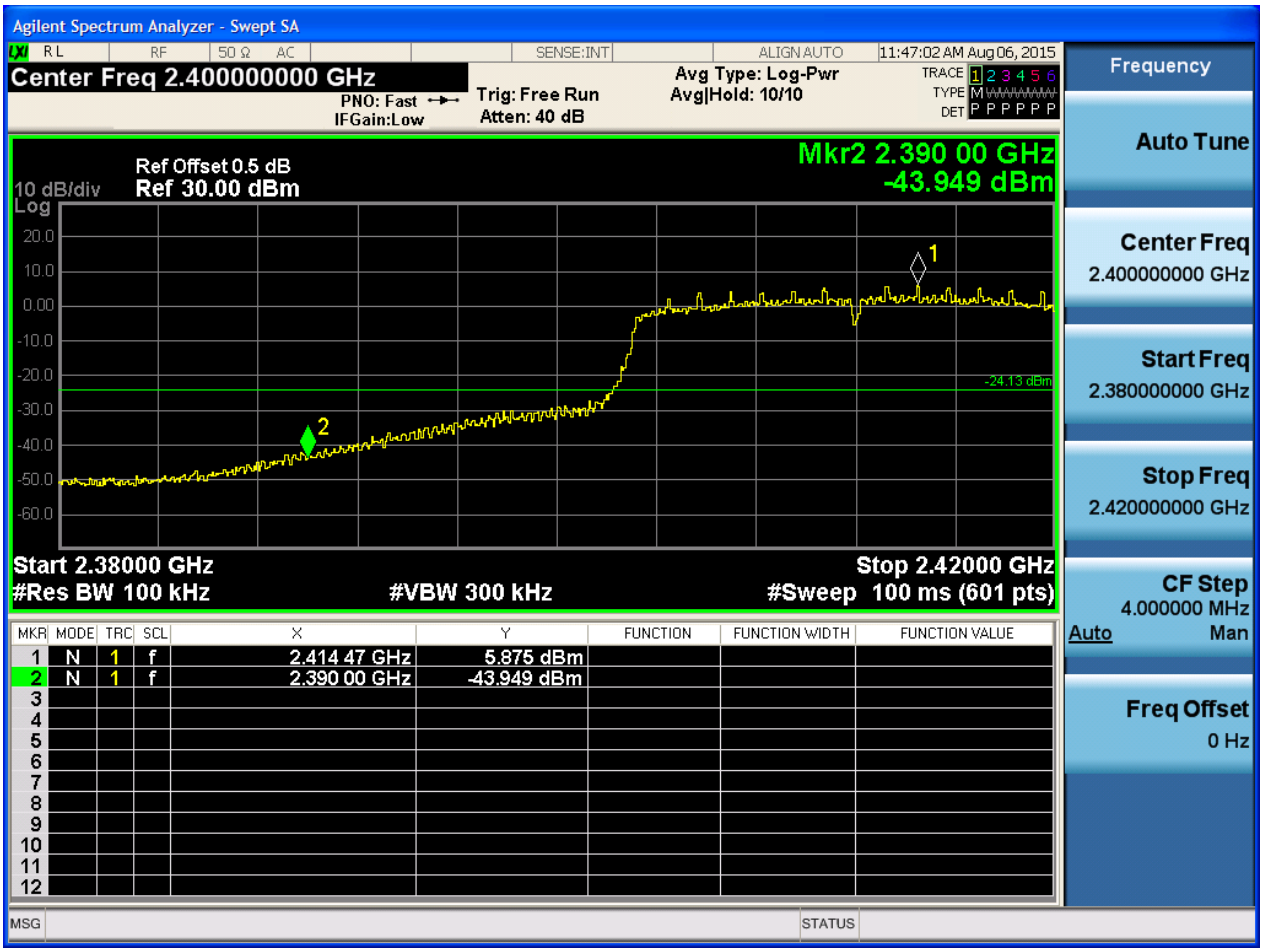

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2.11 11N20_H@Ant 1

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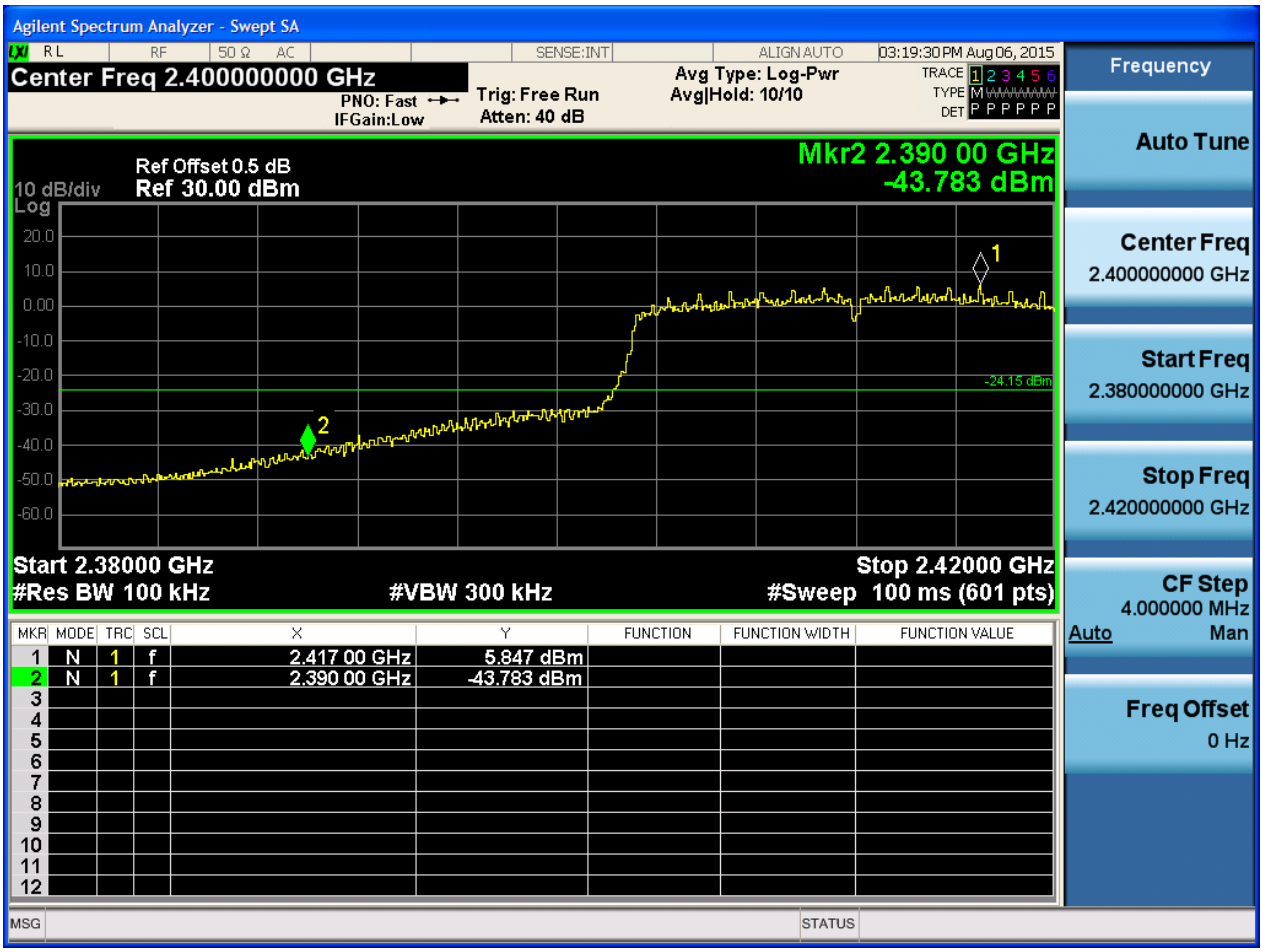
2.12 11N20_H@Ant 2

2.10 11N20m_L@Ant 2



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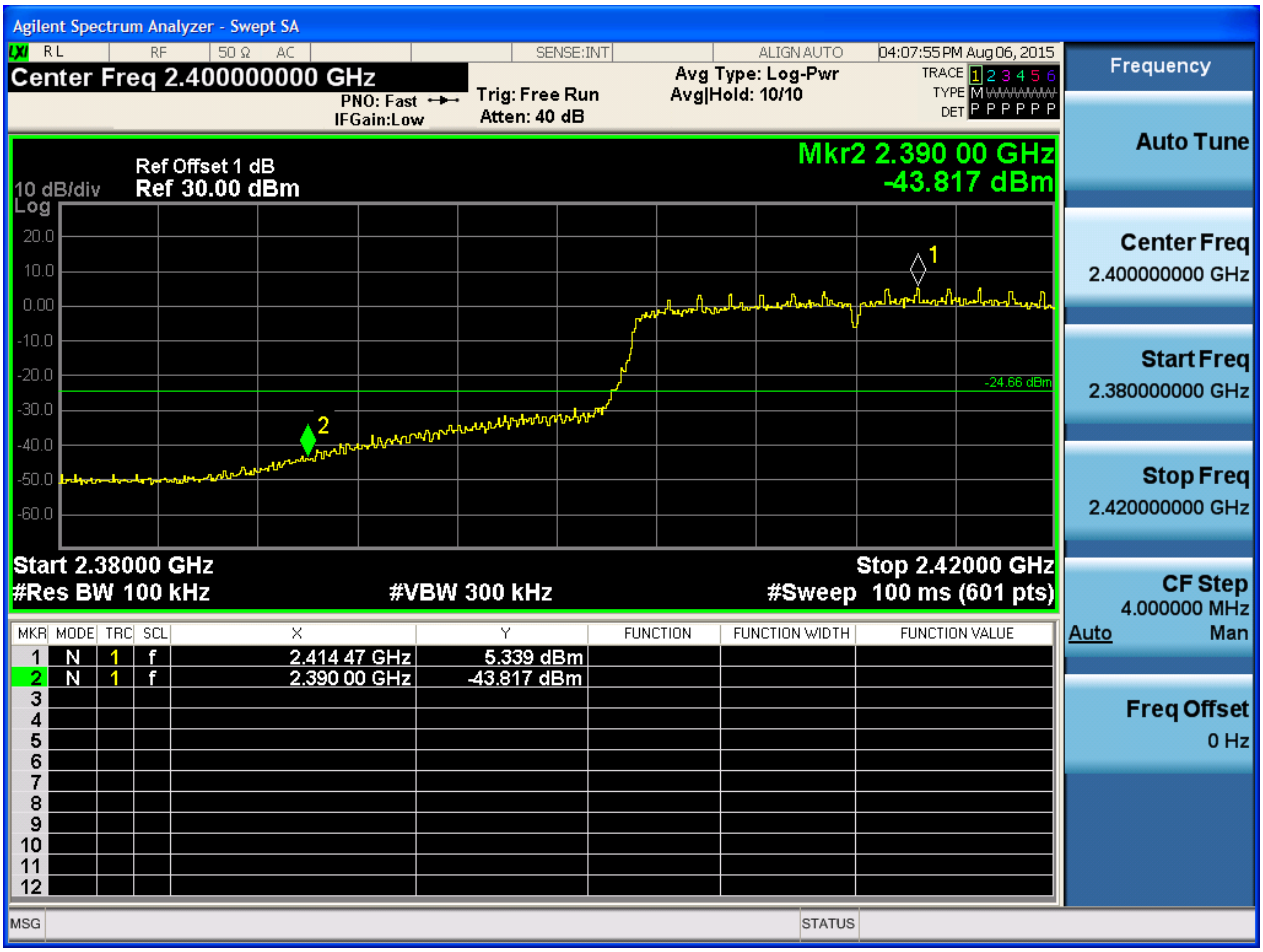

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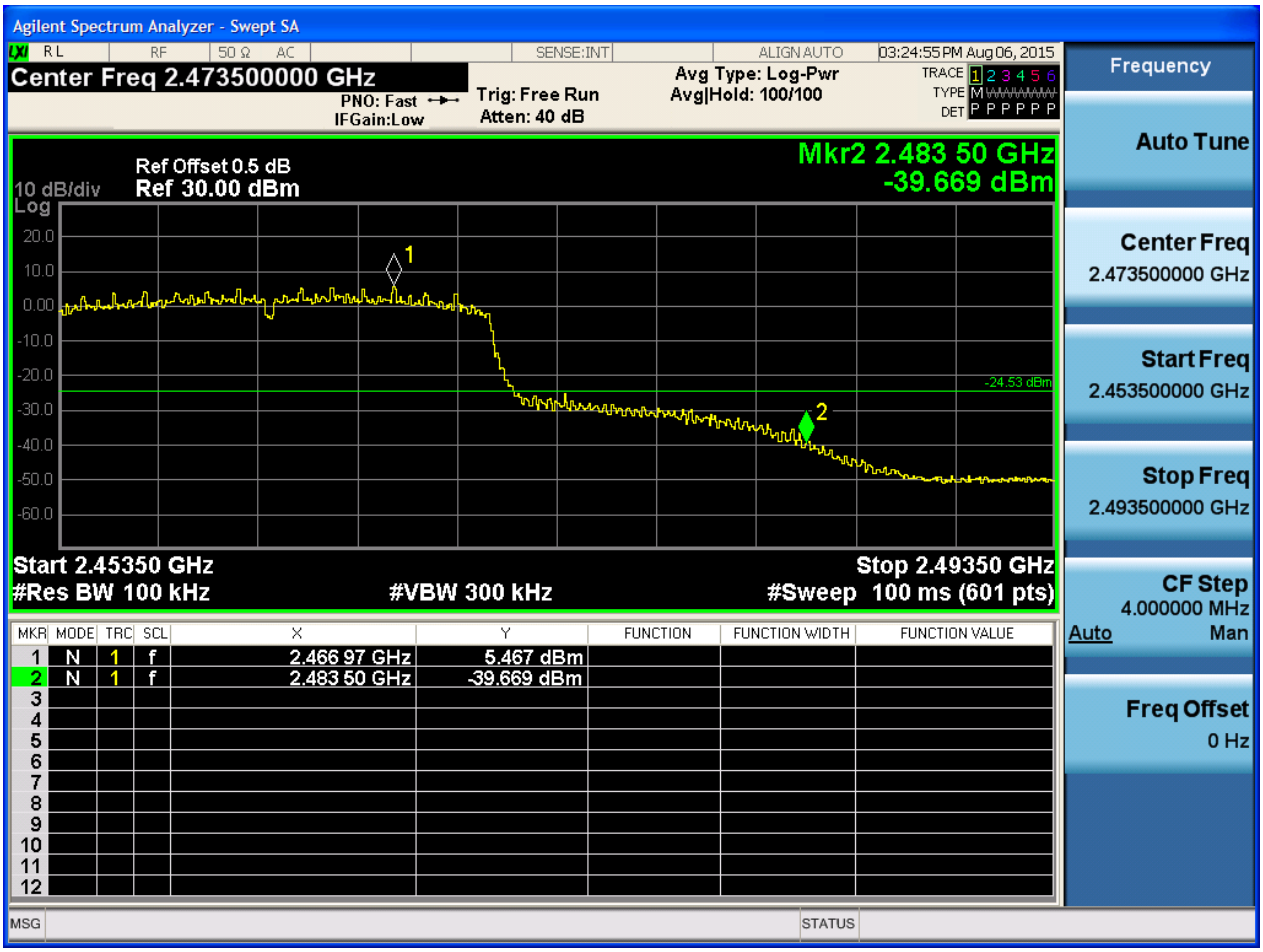

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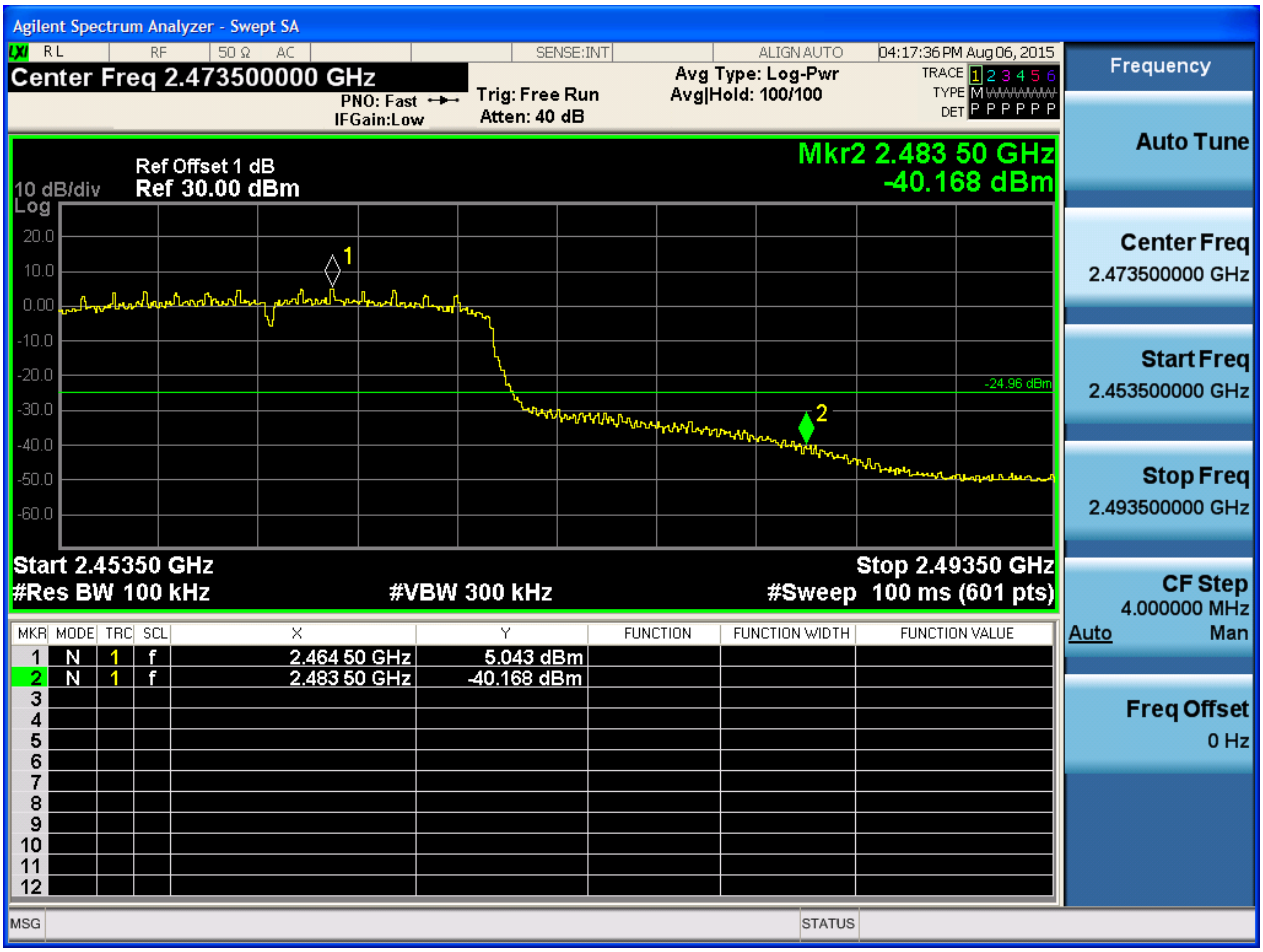

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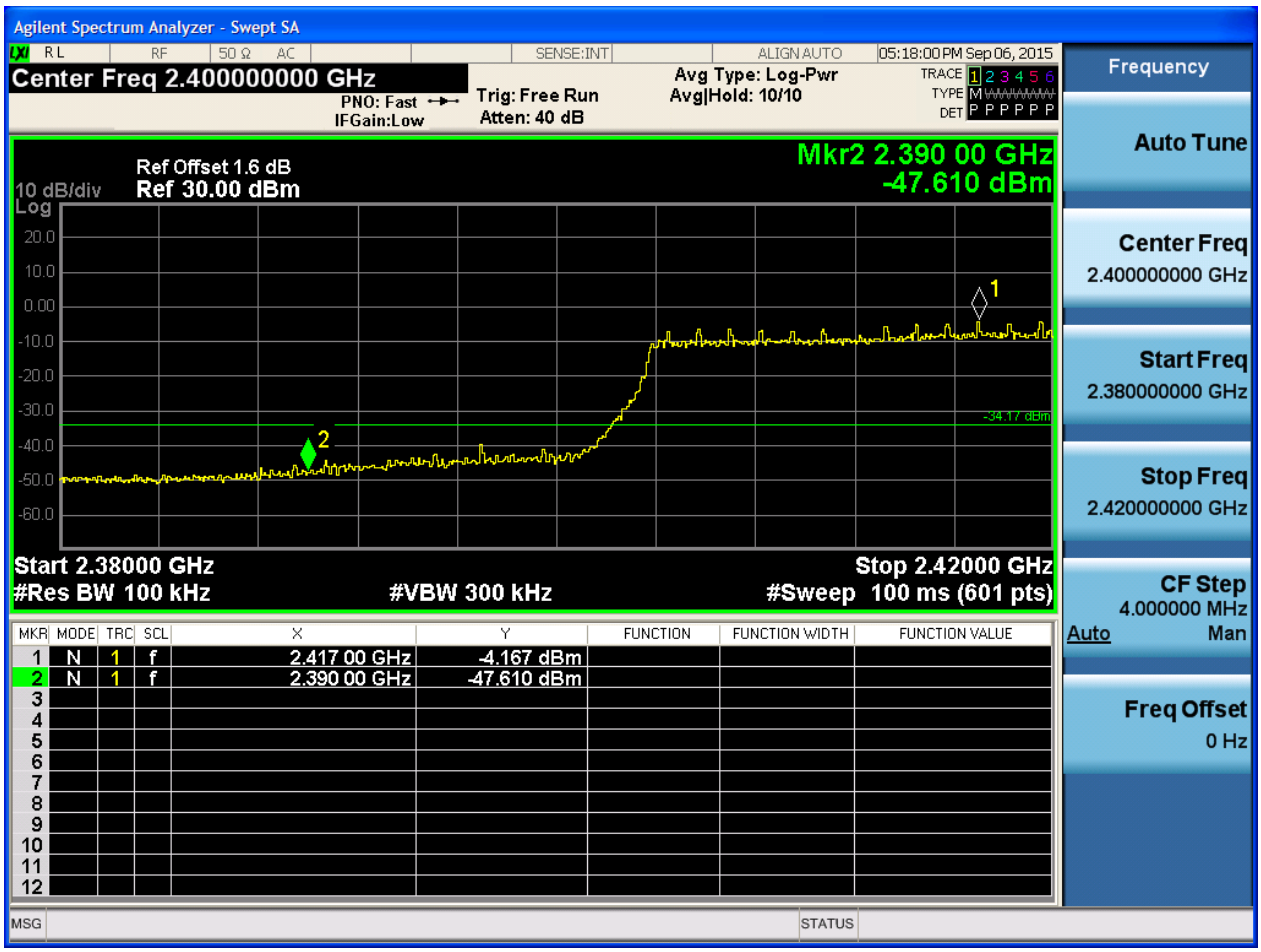

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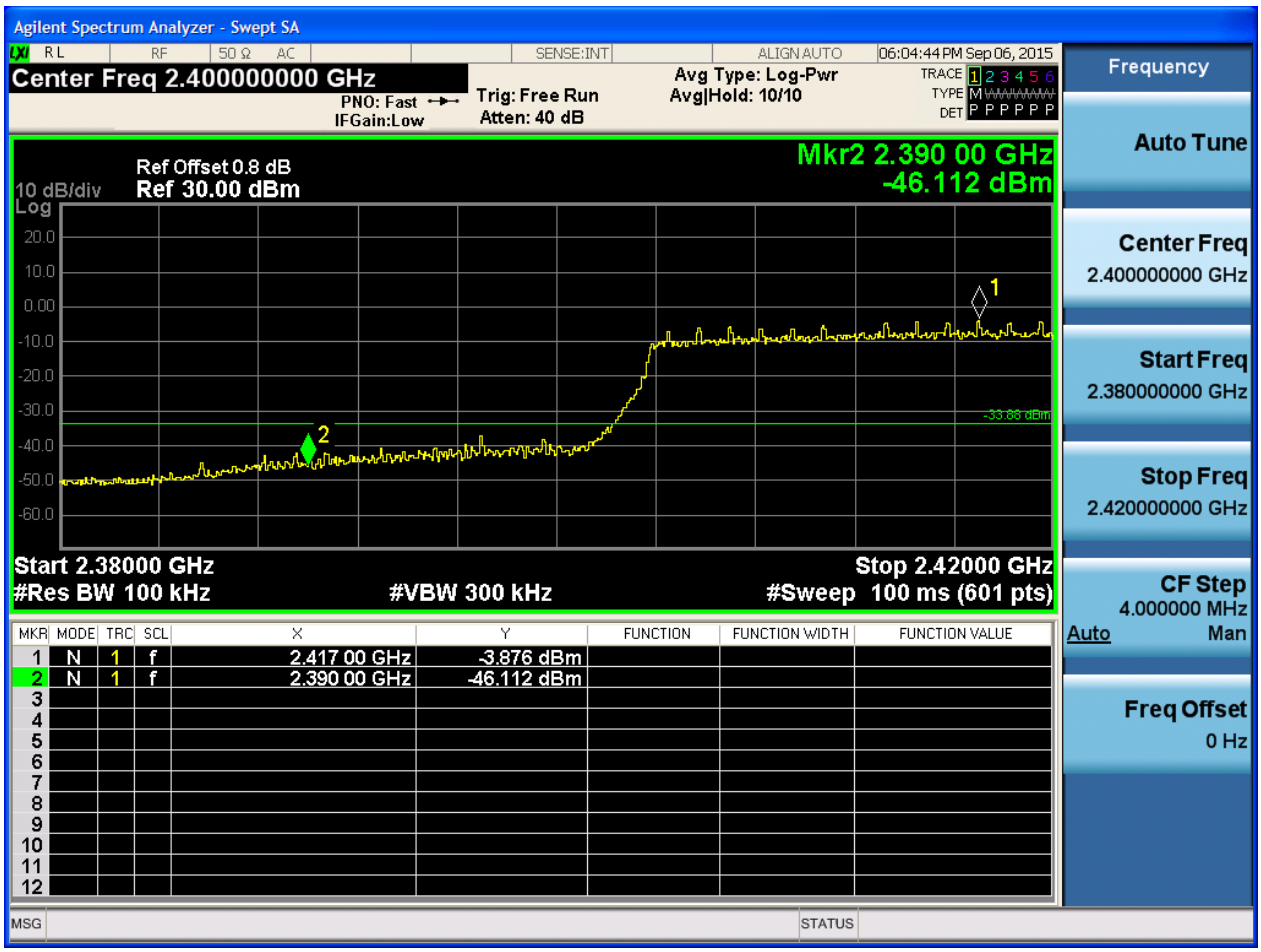

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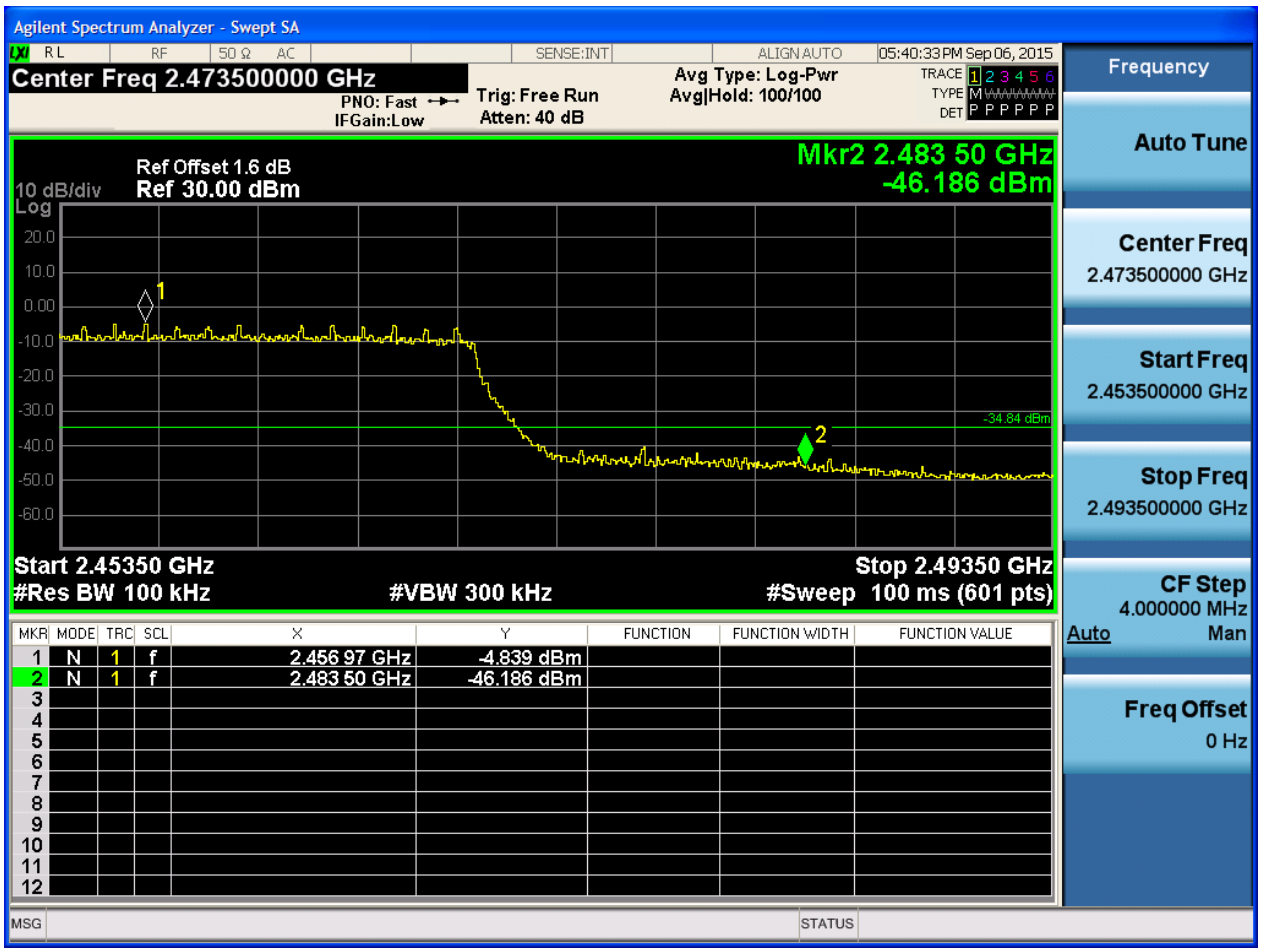

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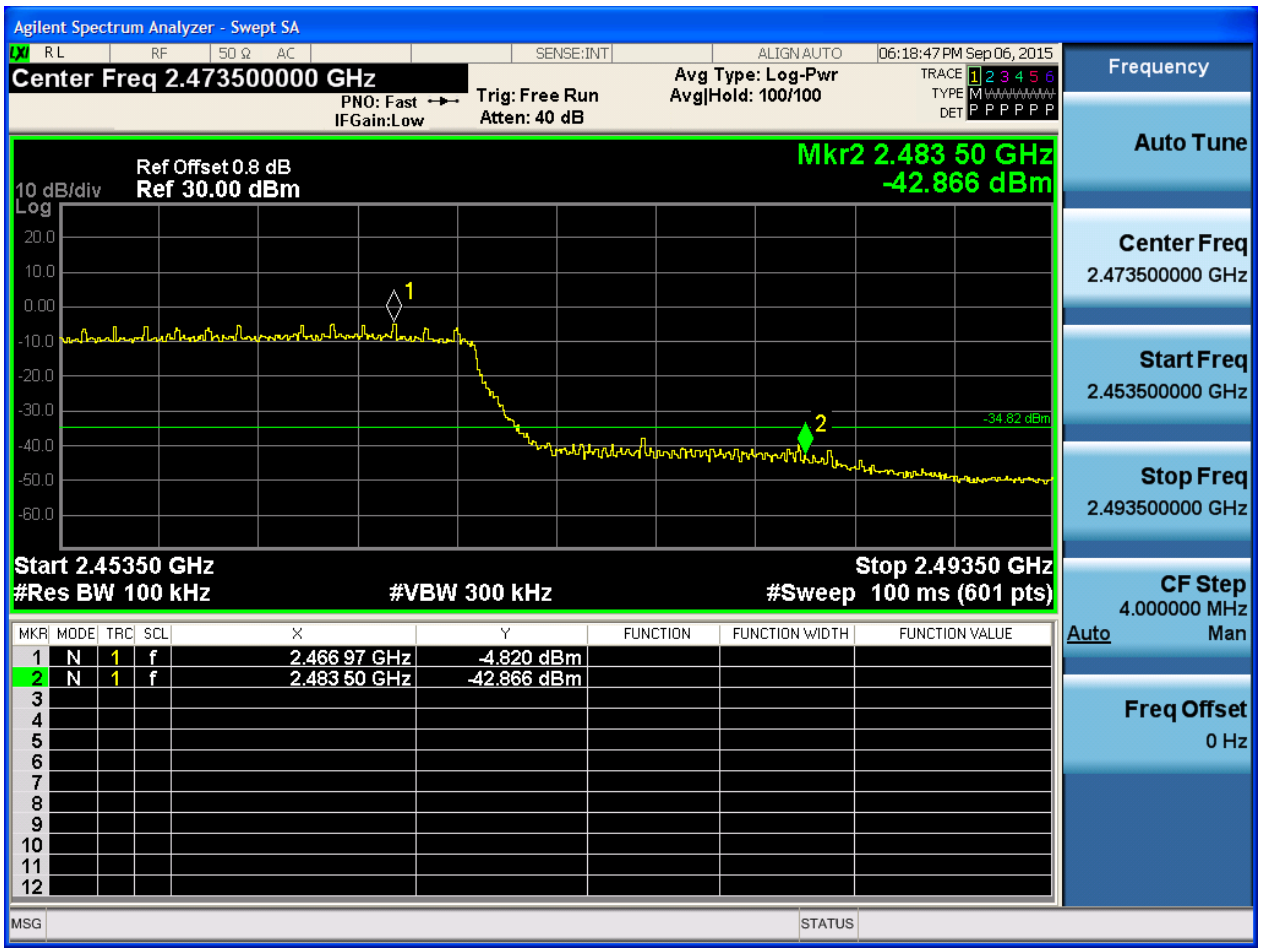

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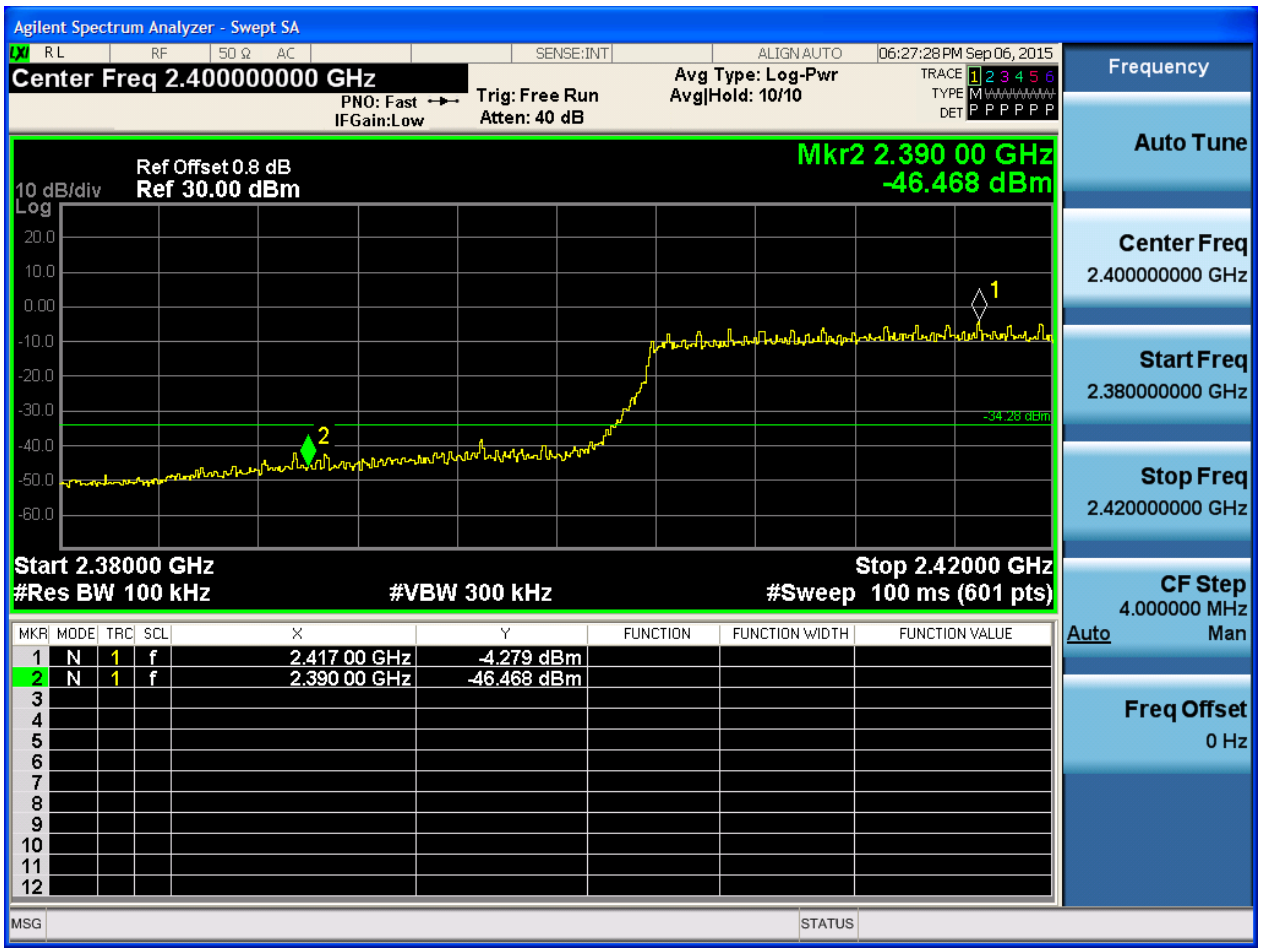

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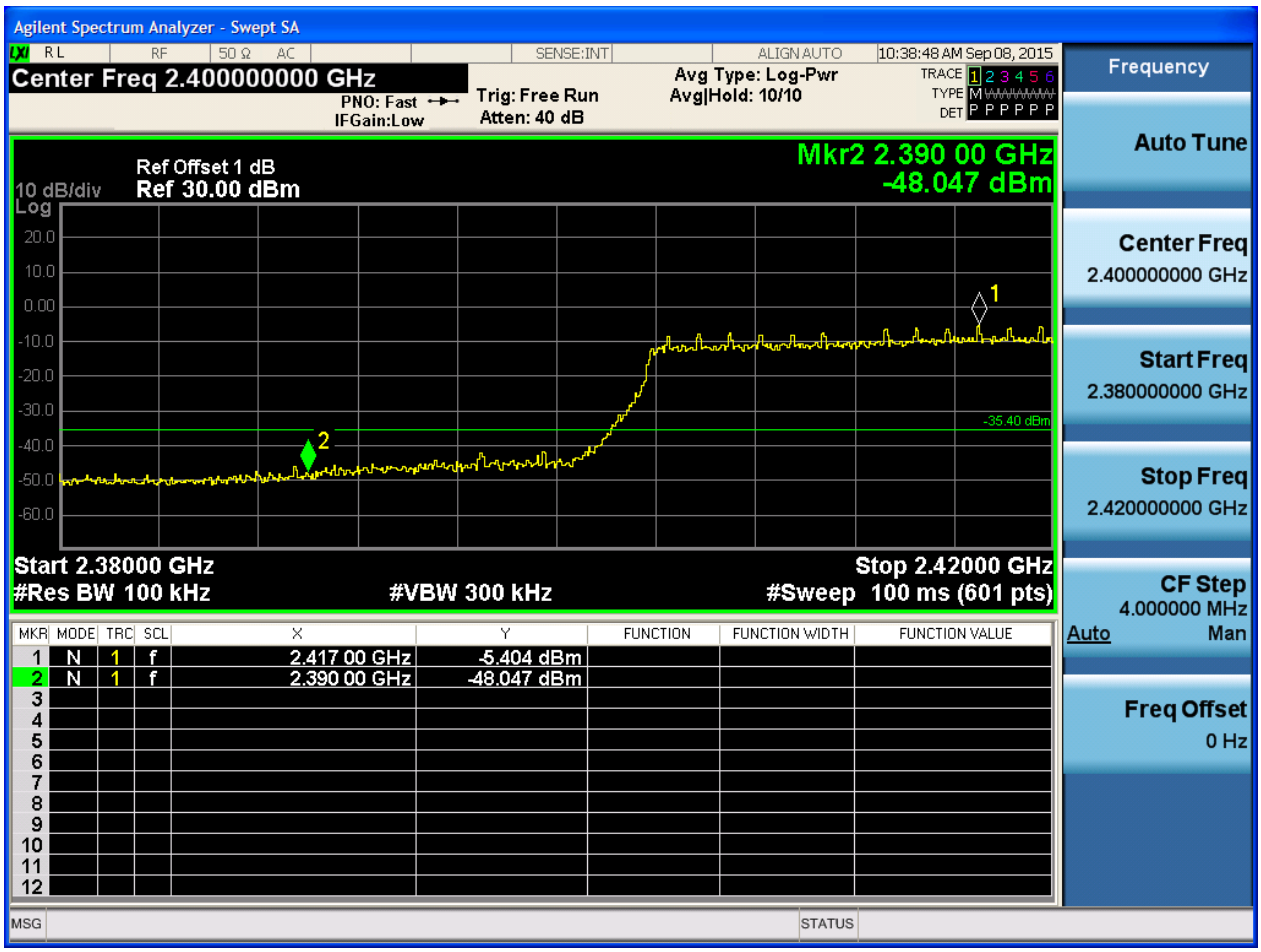

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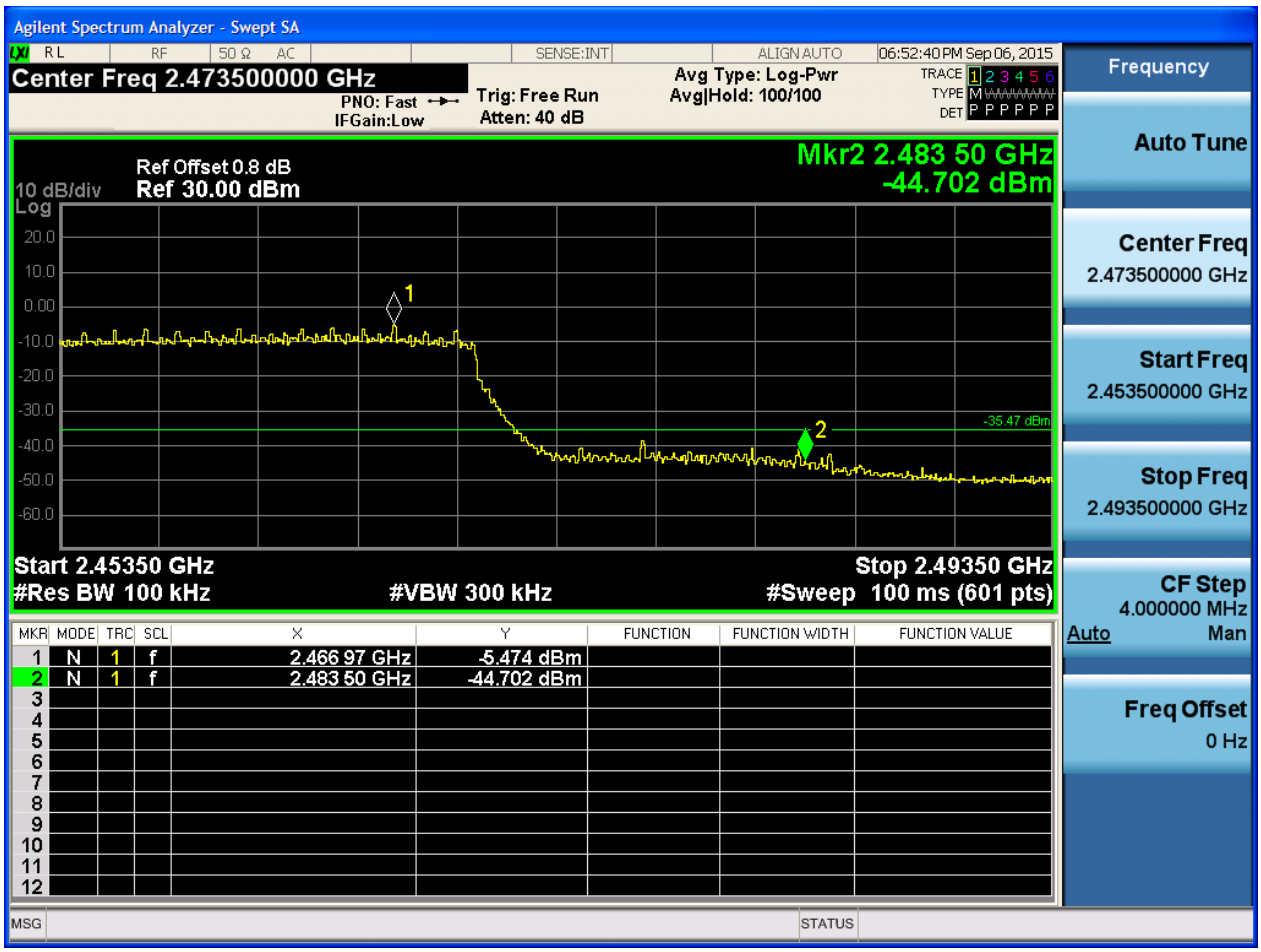

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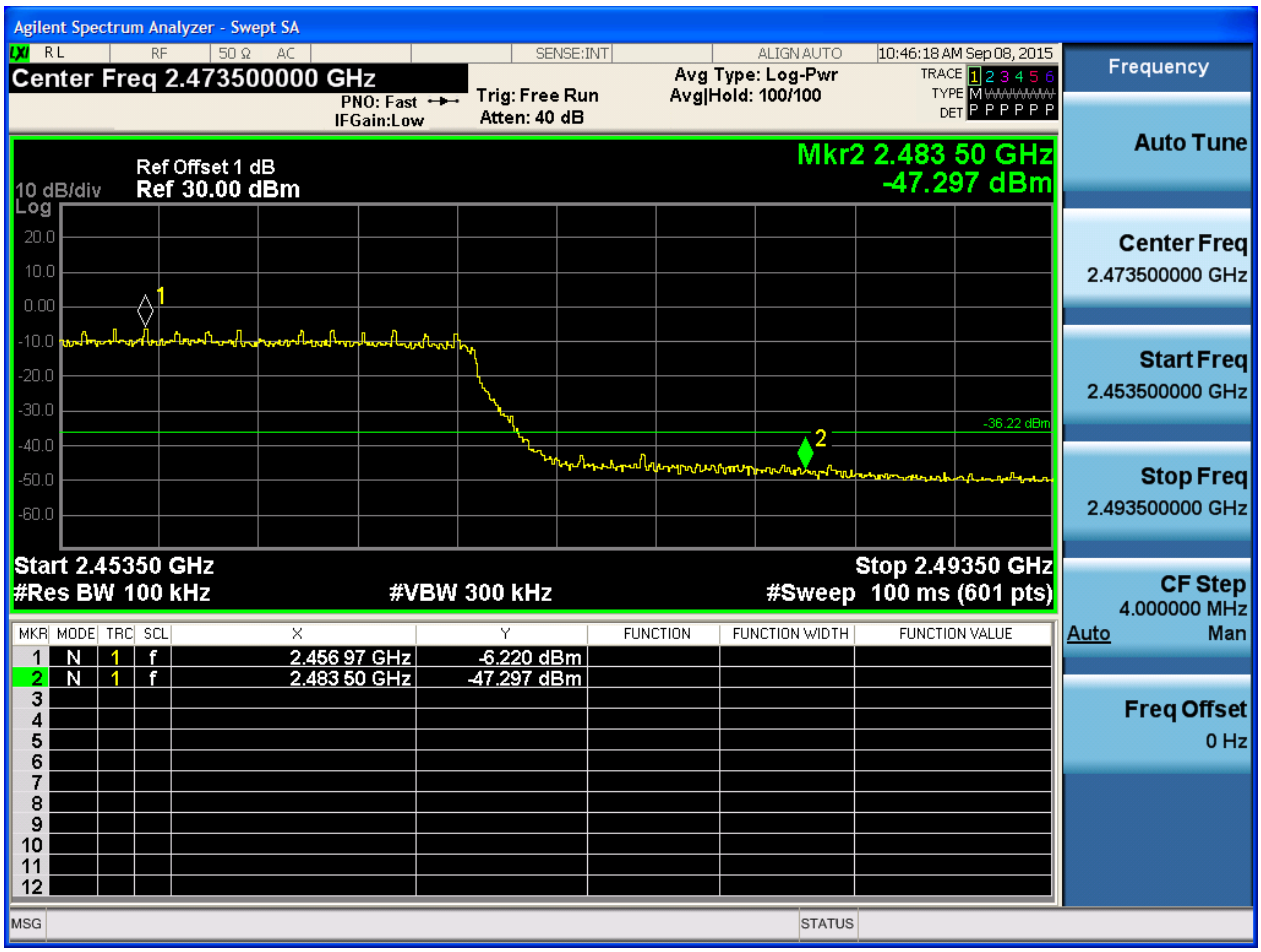

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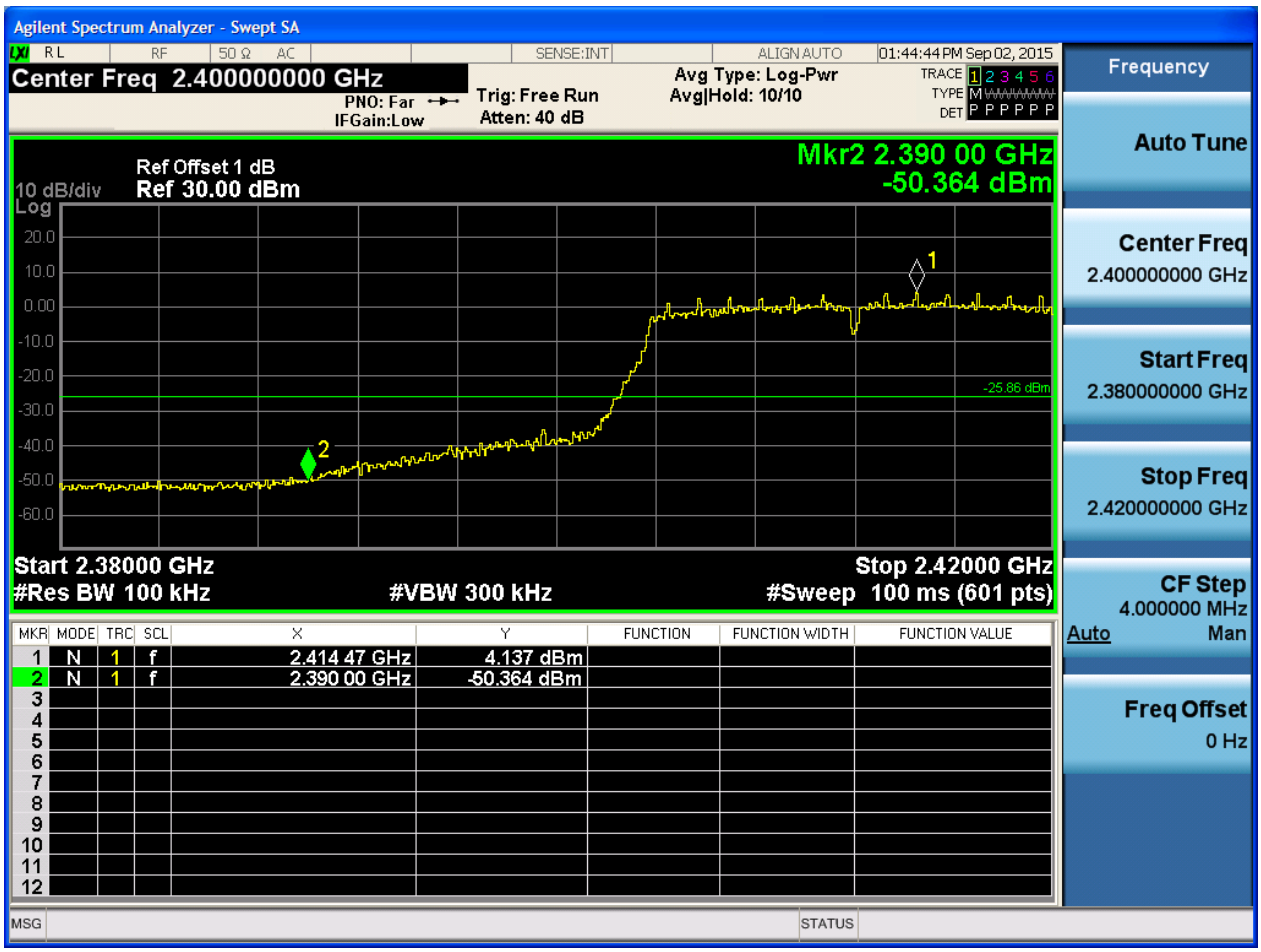
2.24 11G CDD_L@Ant 1



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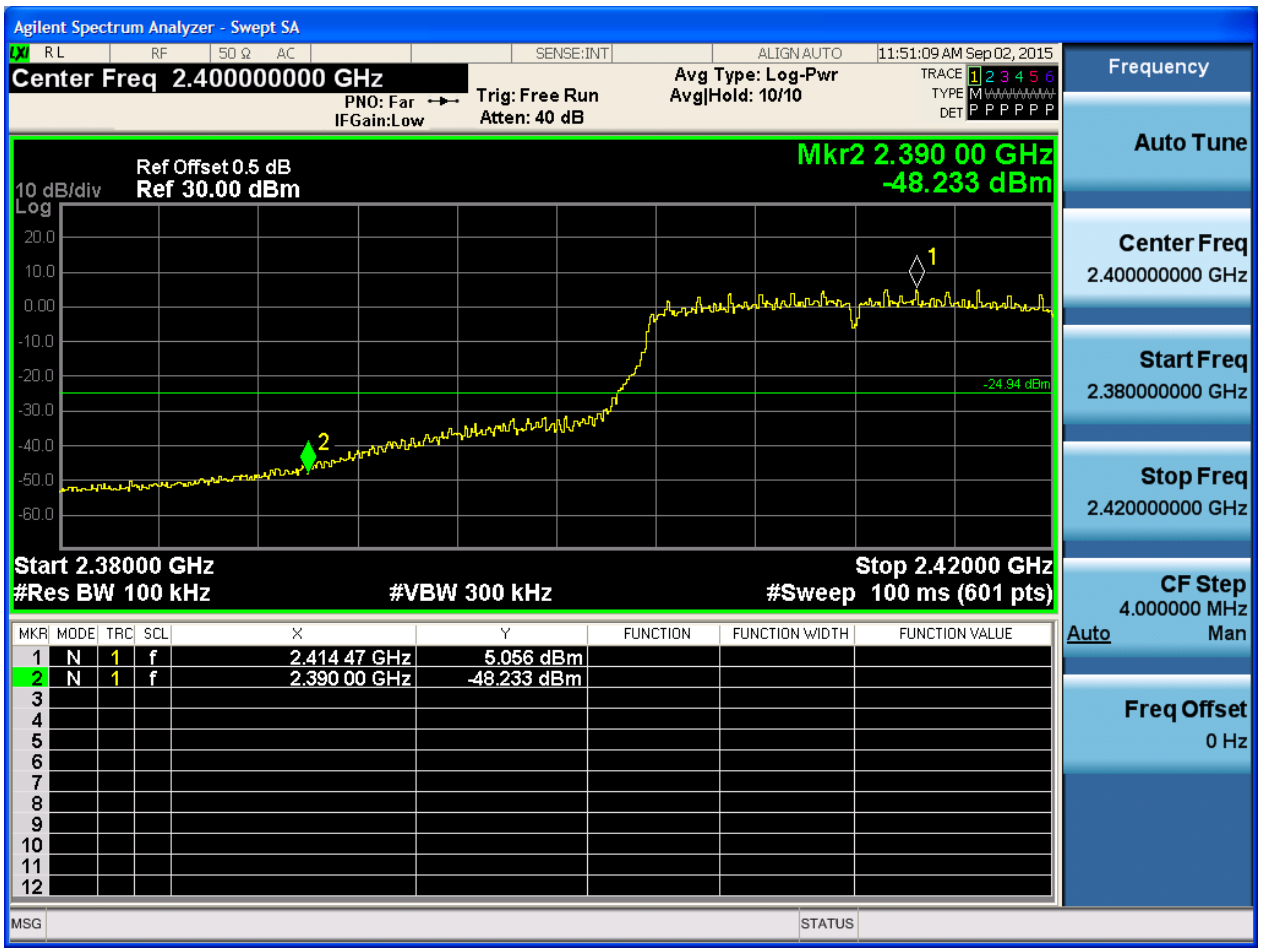

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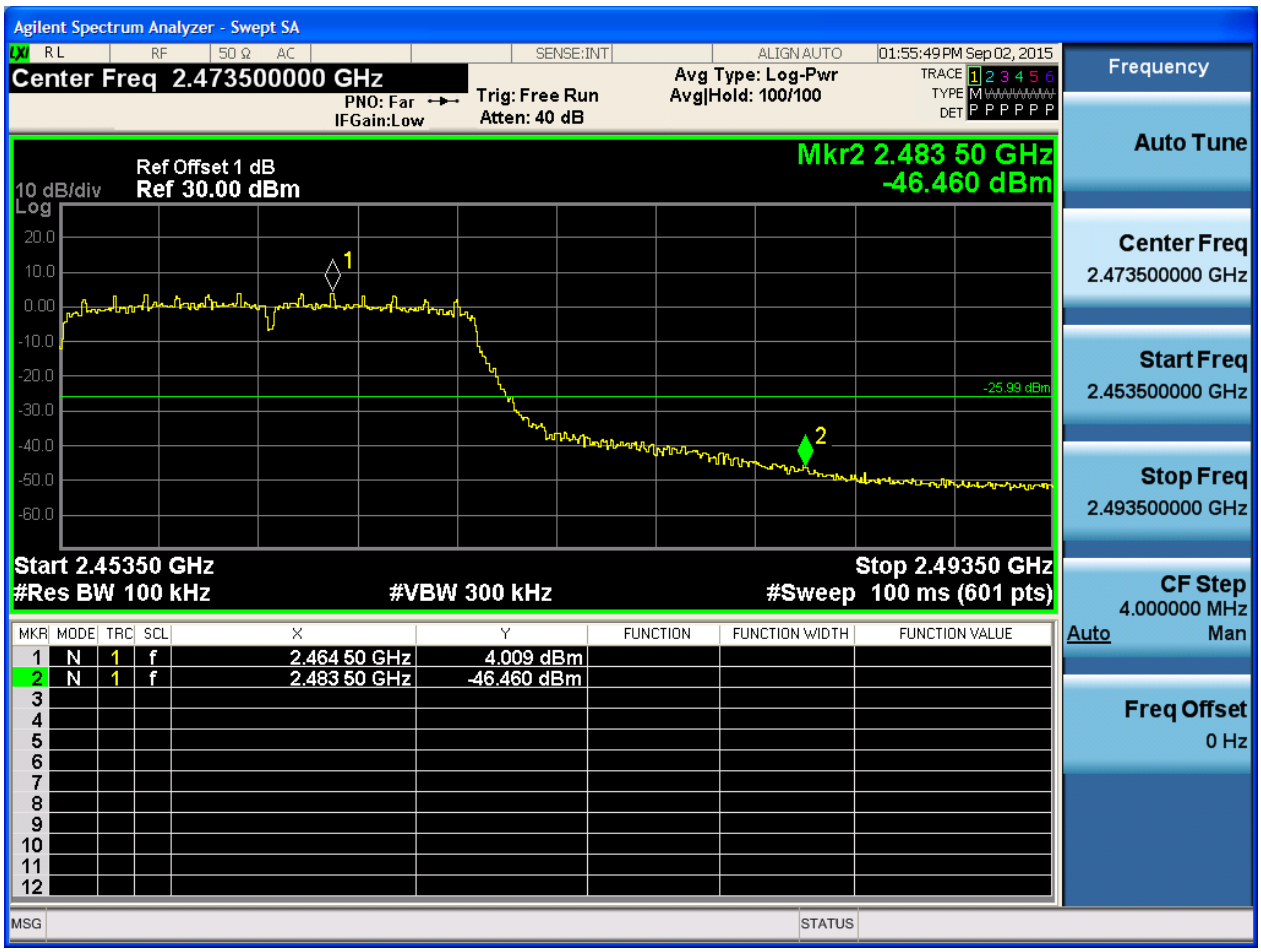

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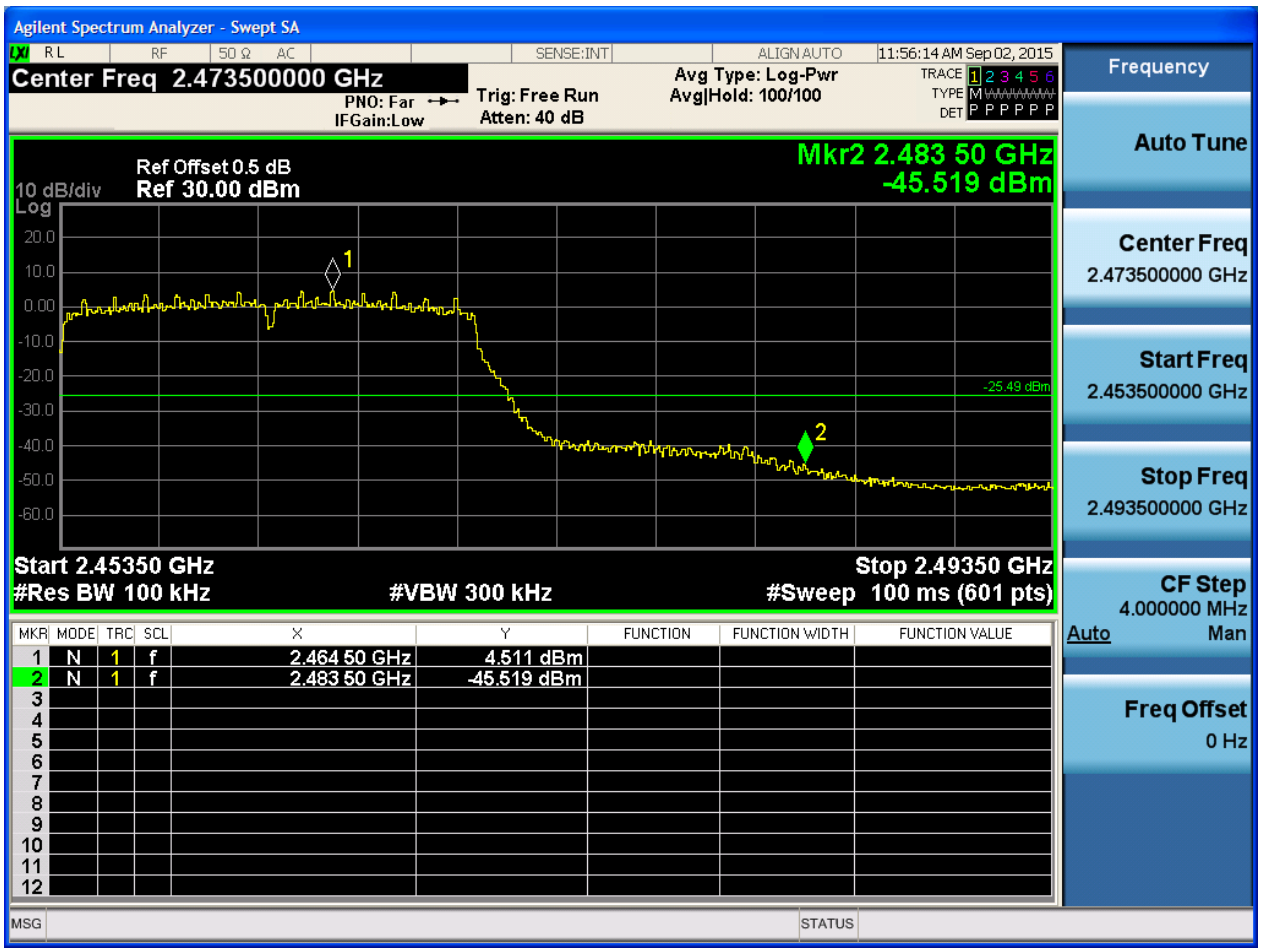

Appendix G: Unwanted Emissions into Non-Restricted Frequency Bands

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" referrers 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 x lg(100 [kHz]/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	10.40	<limit	pass
11B	L	2412	Ant 2	11.04	<limit	pass
11B	M	2437	Ant 1	11.13	<limit	pass
11B	M	2437	Ant 2	10.72	<limit	pass
11B	H	2462	Ant 1	10.63	<limit	pass
11B	H	2462	Ant 2	10.60	<limit	pass
11G	L	2412	Ant 1	5.44	<limit	pass
11G	L	2412	Ant 2	6.57	<limit	pass
11G	M	2437	Ant 1	7.93	<limit	pass
11G	M	2437	Ant 2	7.96	<limit	pass
11G	H	2462	Ant 1	5.77	<limit	pass
11G	H	2462	Ant 2	6.37	<limit	pass
11N20	L	2412	Ant 1	5.58	<limit	pass
11N20	L	2412	Ant 2	6.55	<limit	pass
11N20	M	2437	Ant 1	7.10	<limit	pass
11N20	M	2437	Ant 2	7.53	<limit	pass
11N20	H	2462	Ant 1	5.86	<limit	pass

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Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11N20	H	2462	Ant 2	6.27	<limit	pass
11N20m	L	2412	Ant 2	6.26	<limit	pass
11N20m	L	2412	Ant 1	5.50	<limit	pass
11N20m	M	2437	Ant 2	6.17	<limit	pass
11N20m	M	2437	Ant 1	5.74	<limit	pass
11N20m	H	2462	Ant 2	5.66	<limit	pass
11N20m	H	2462	Ant 1	5.64	<limit	pass
11N40	L	2422	Ant 1	-4.14	<limit	pass
11N40	L	2422	Ant 2	-3.95	<limit	pass
11N40	M	2437	Ant 1	1.68	<limit	pass
11N40	M	2437	Ant 2	2.30	<limit	pass
11N40	H	2452	Ant 1	-4.11	<limit	pass
11N40	H	2452	Ant 2	-4.00	<limit	pass
11N40m	L	2422	Ant 2	-4.22	<limit	pass
11N40m	L	2422	Ant 1	-5.34	<limit	pass
11N40m	M	2437	Ant 2	2.31	<limit	pass
11N40m	M	2437	Ant 1	1.74	<limit	pass
11N40m	H	2452	Ant 2	-5.16	<limit	pass
11N40m	H	2452	Ant 1	-5.68	<limit	pass
11G CDD	L	2412	Ant 1	4.51	<limit	pass
11G CDD	L	2412	Ant 2	5.48	<limit	pass
11G CDD	M	2437	Ant 1	7.85	<limit	pass
11G CDD	M	2437	Ant 2	7.66	<limit	pass
11G CDD	H	2462	Ant 1	4.63	<limit	pass
11G CDD	H	2462	Ant 2	5.02	<limit	pass

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Part II - Test Plots

2.1 11B_L@Ant 1

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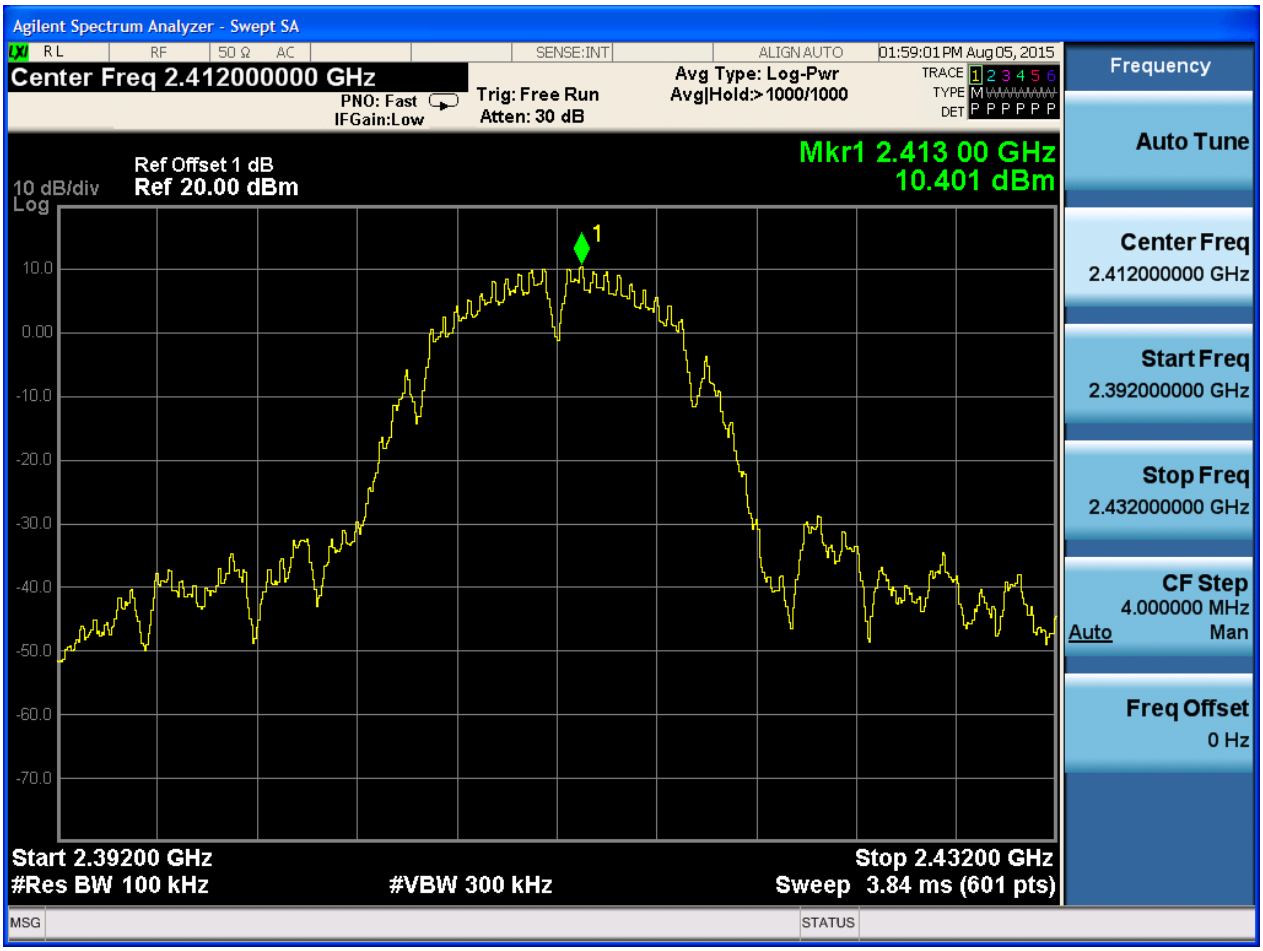

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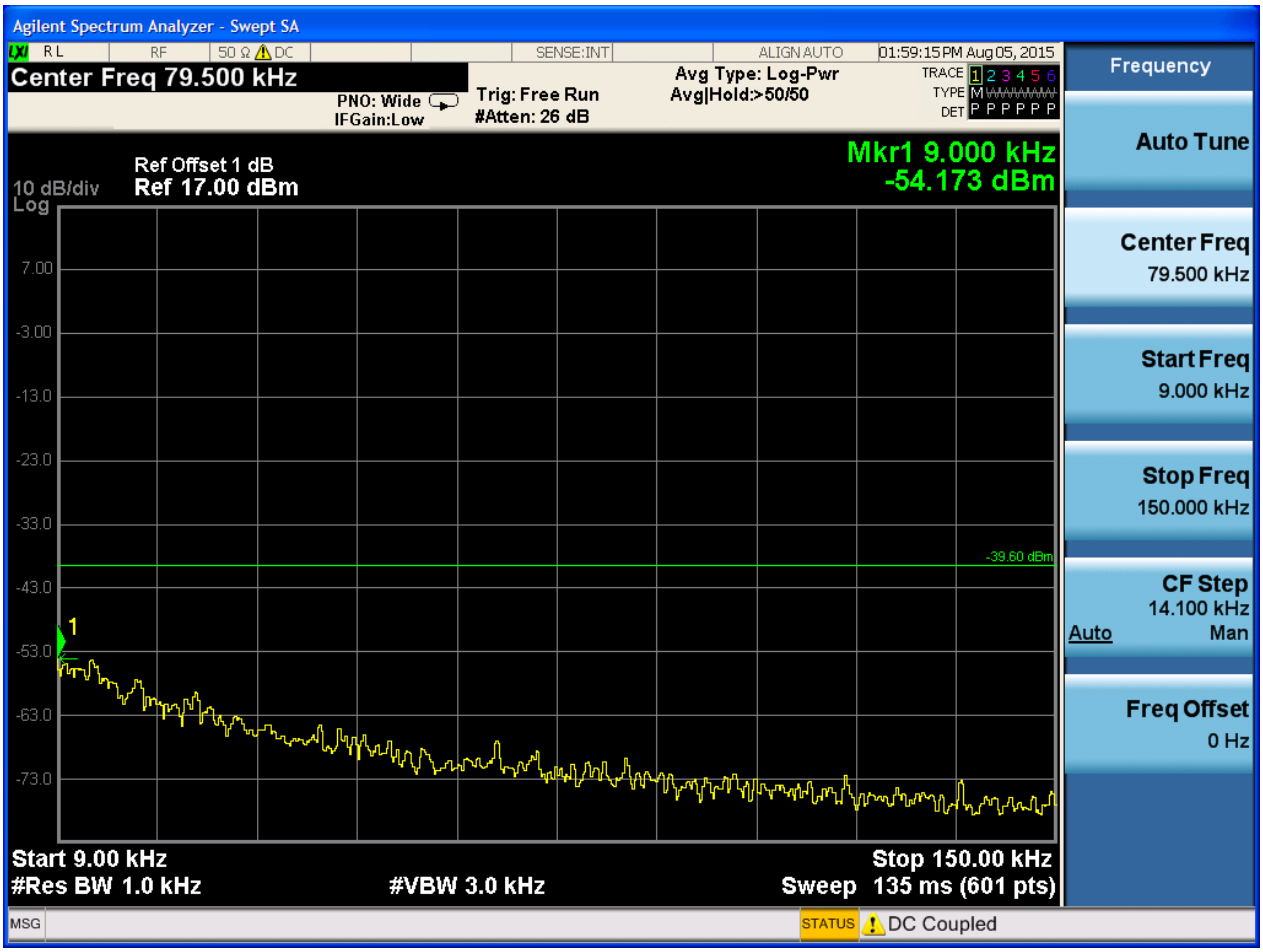
Puw:



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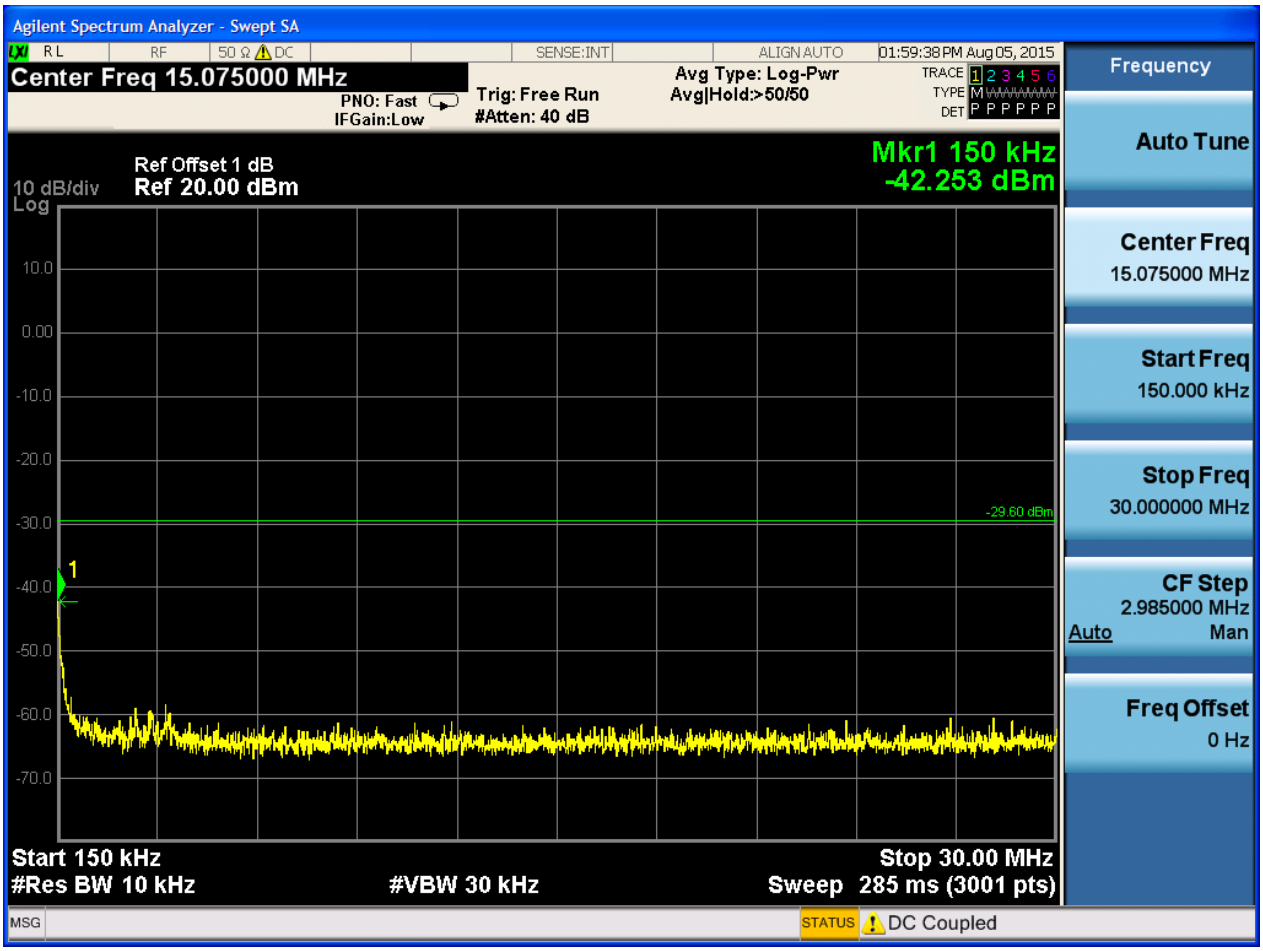

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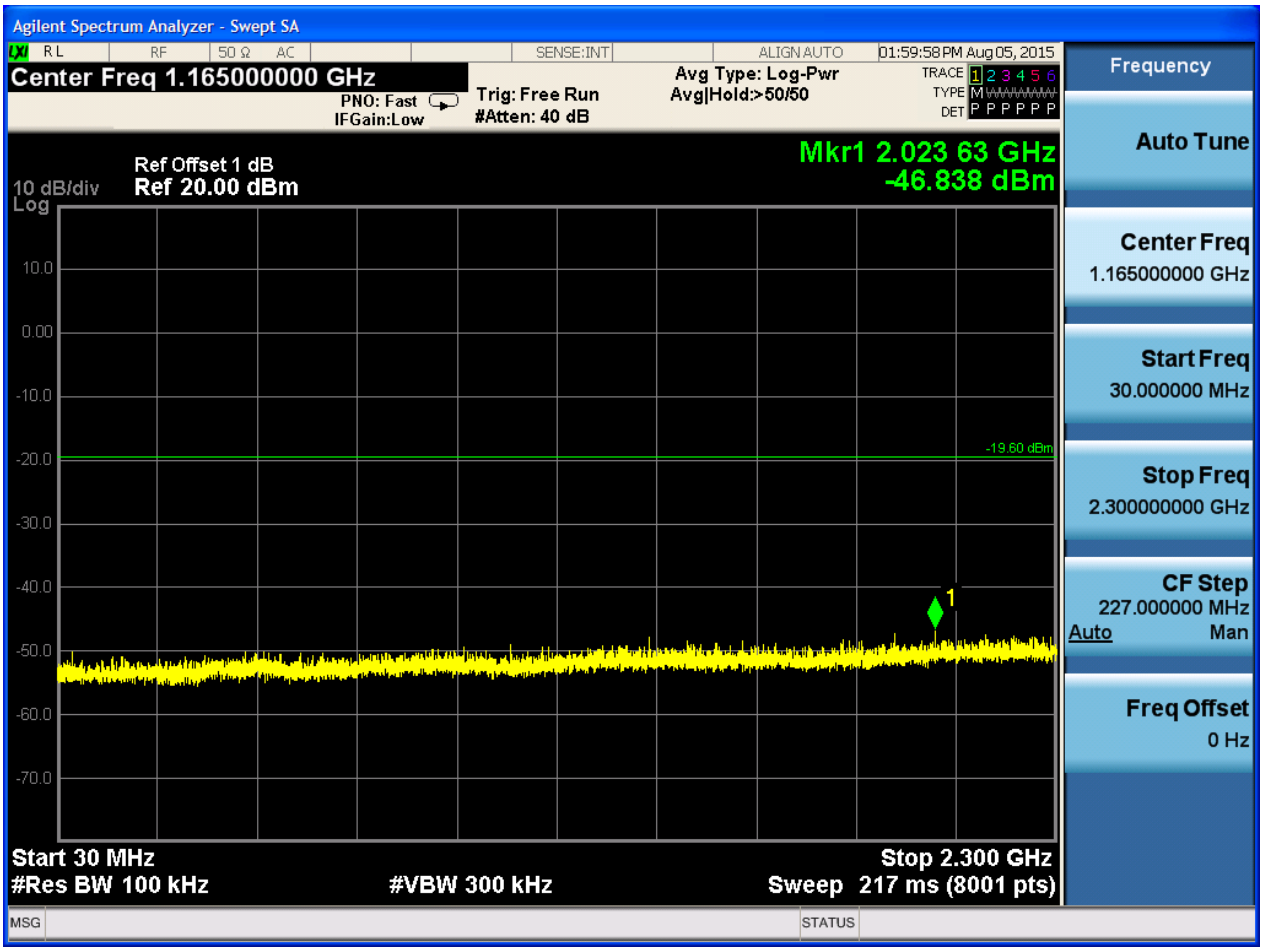

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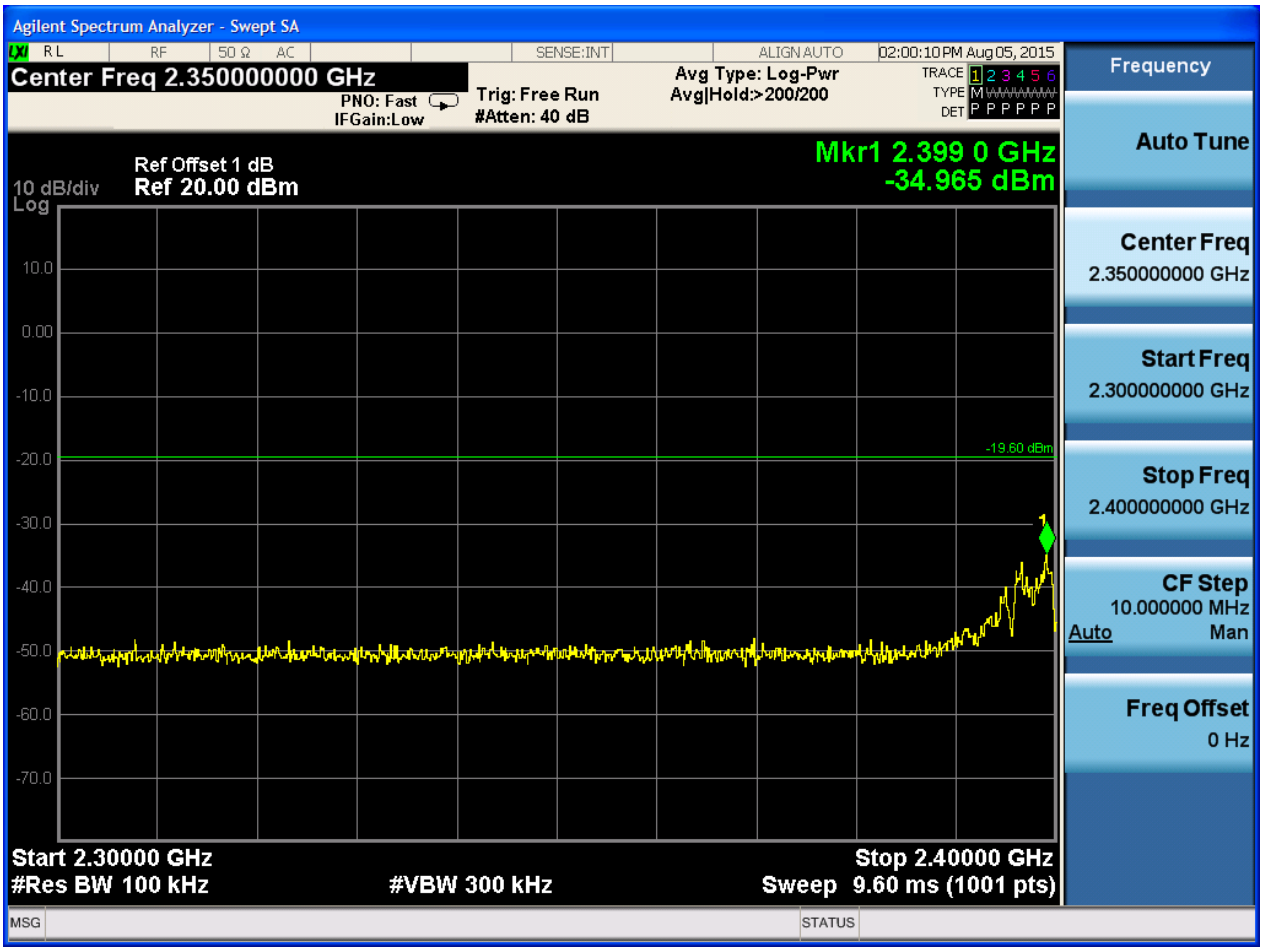

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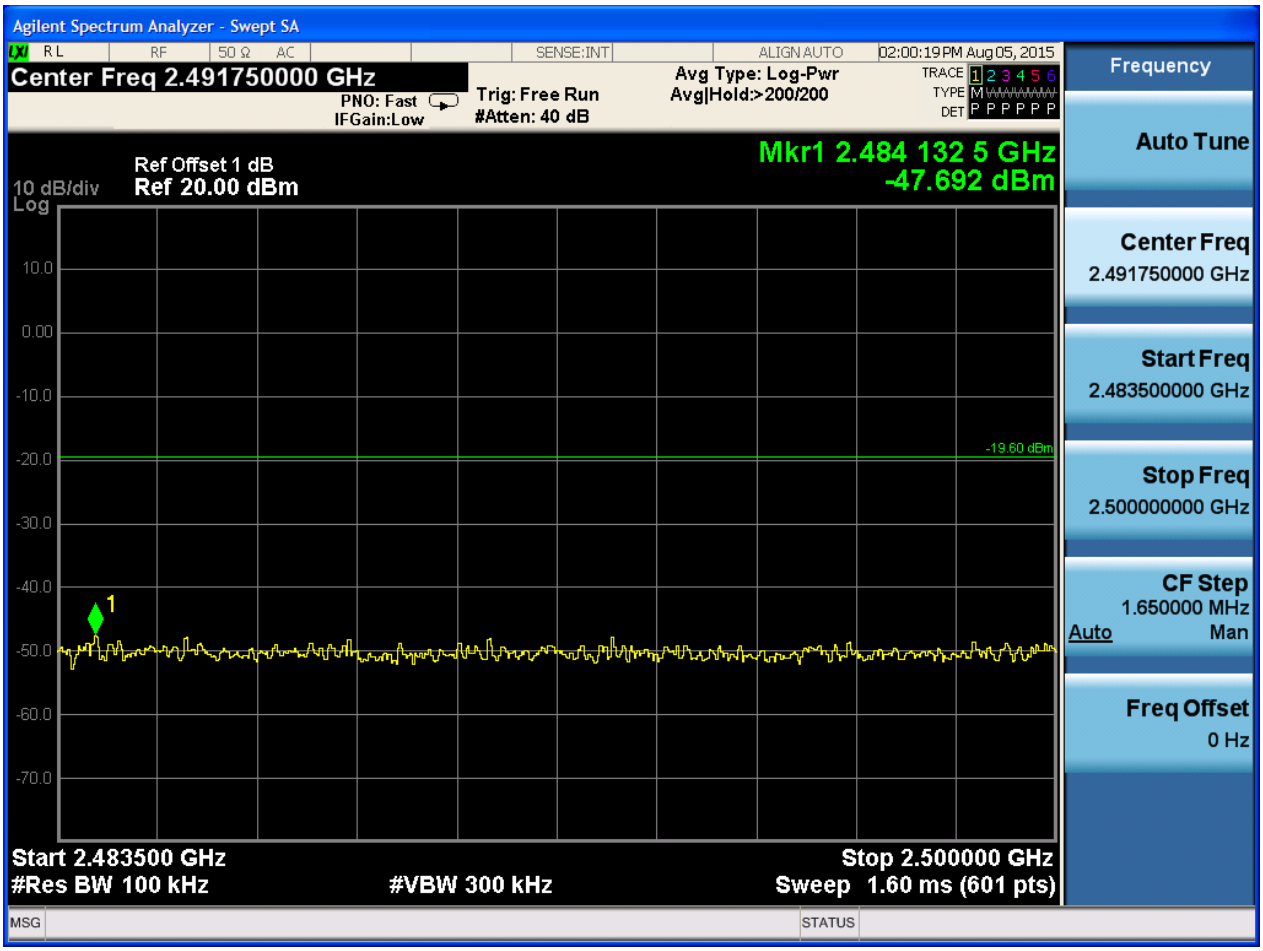

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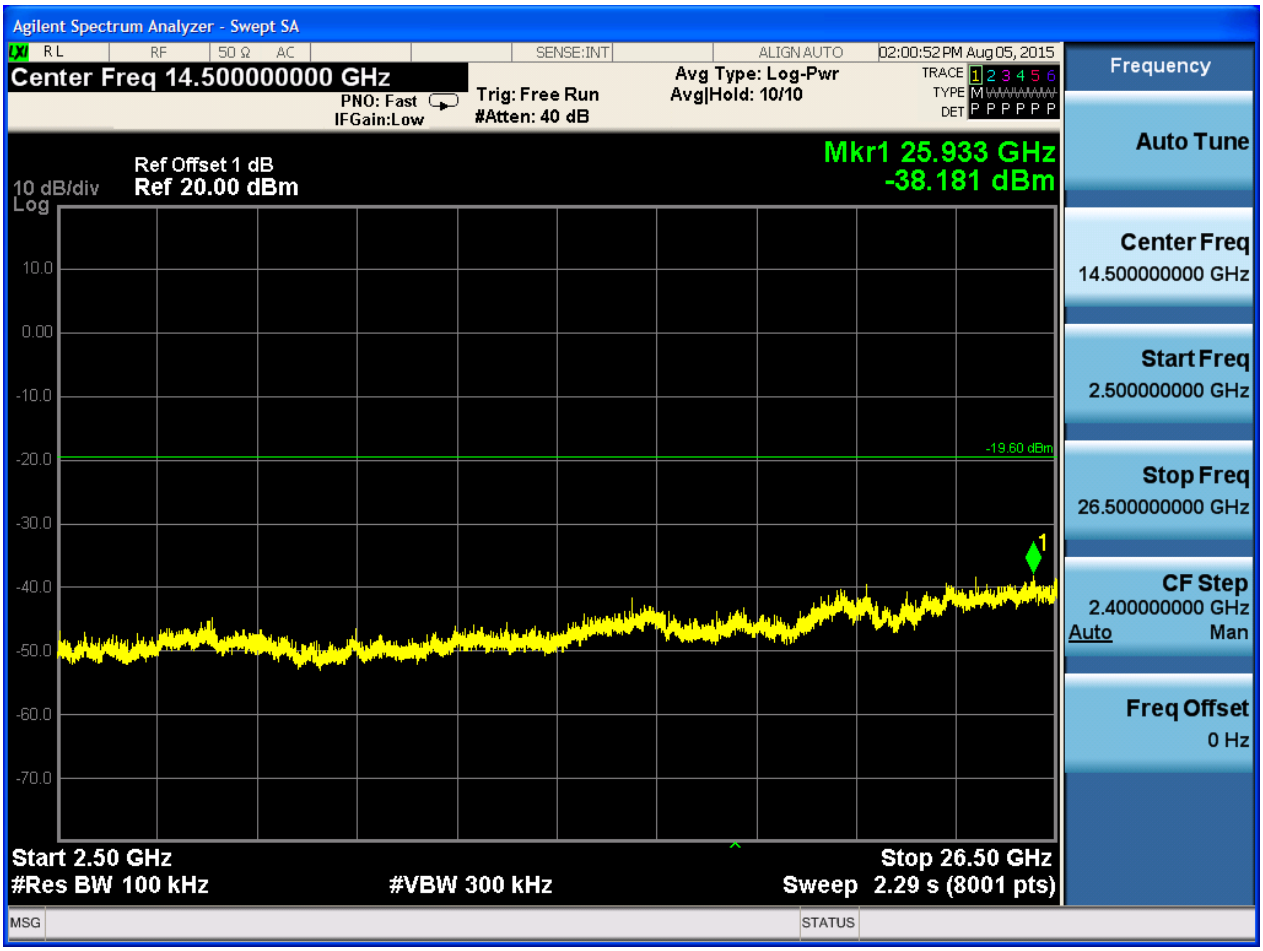

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2.2 11B_L@Ant 2

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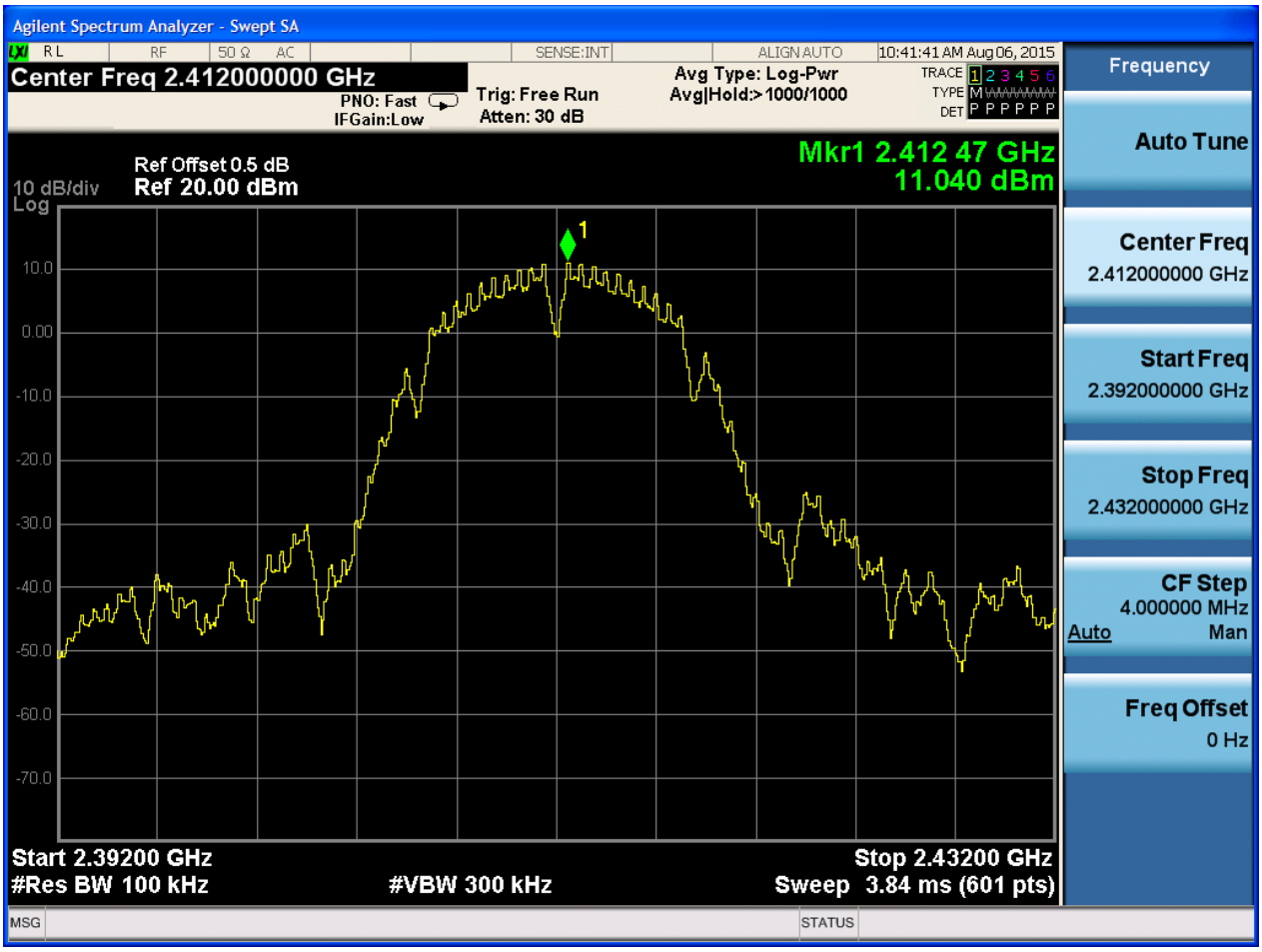

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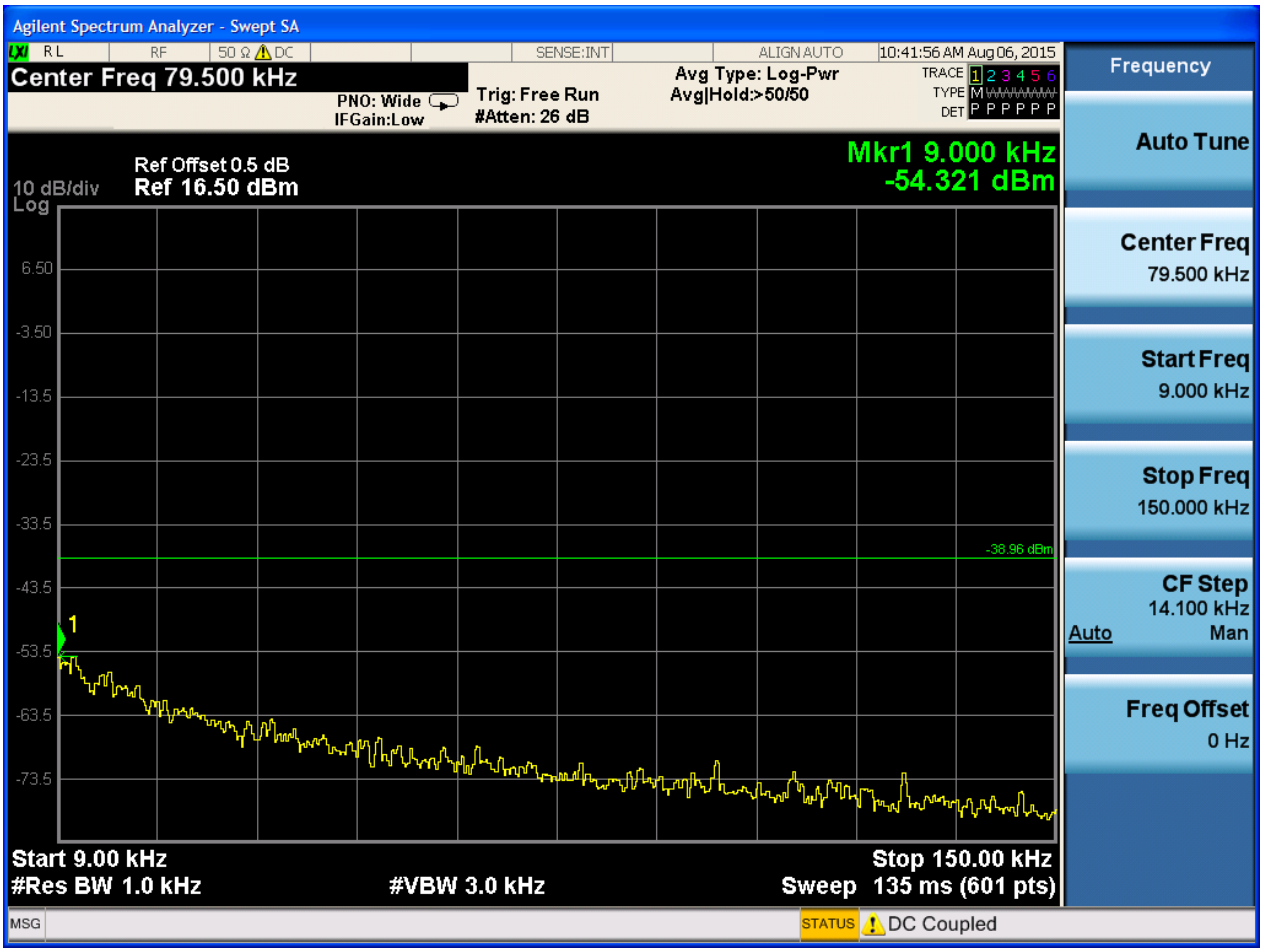

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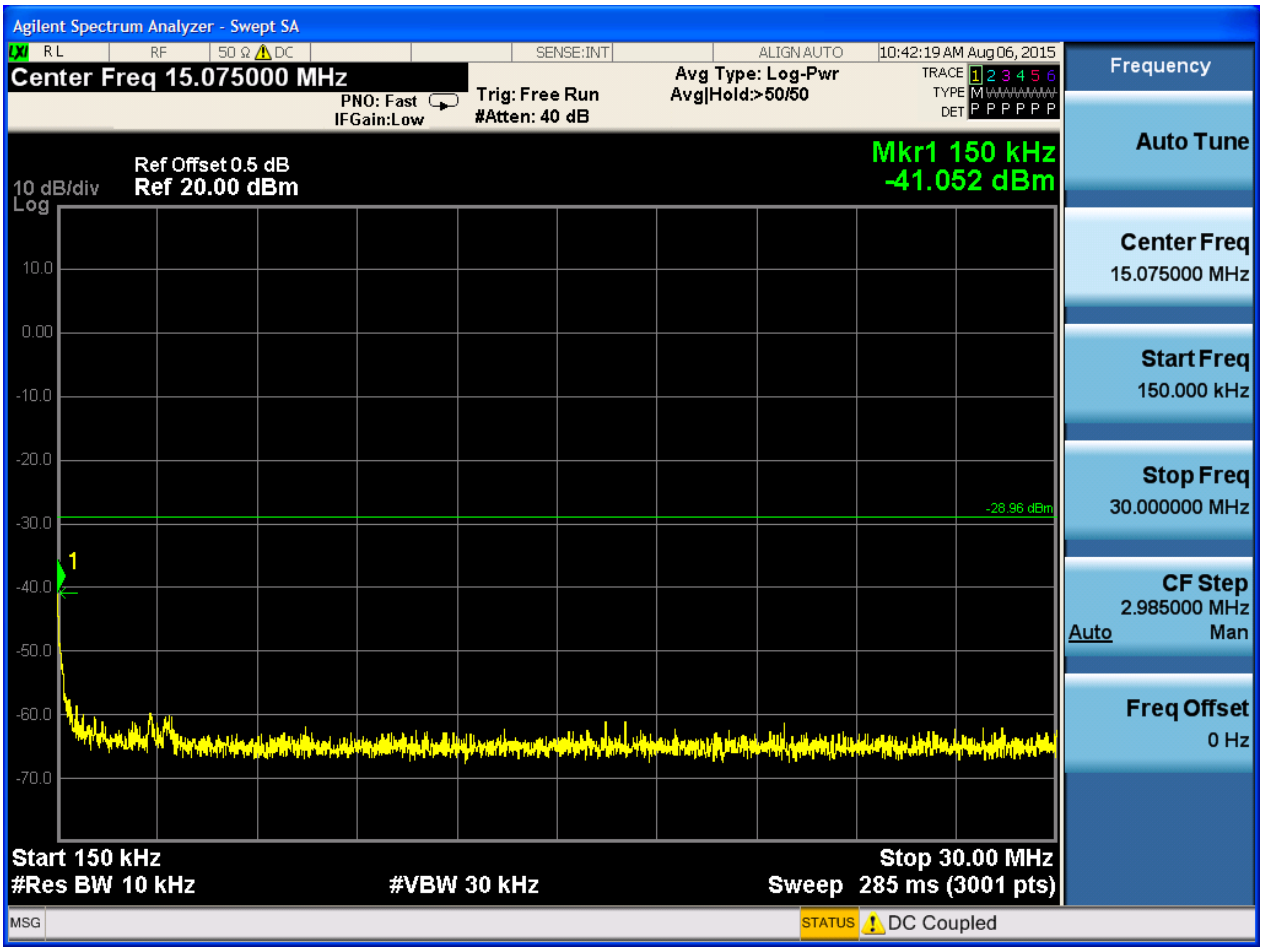

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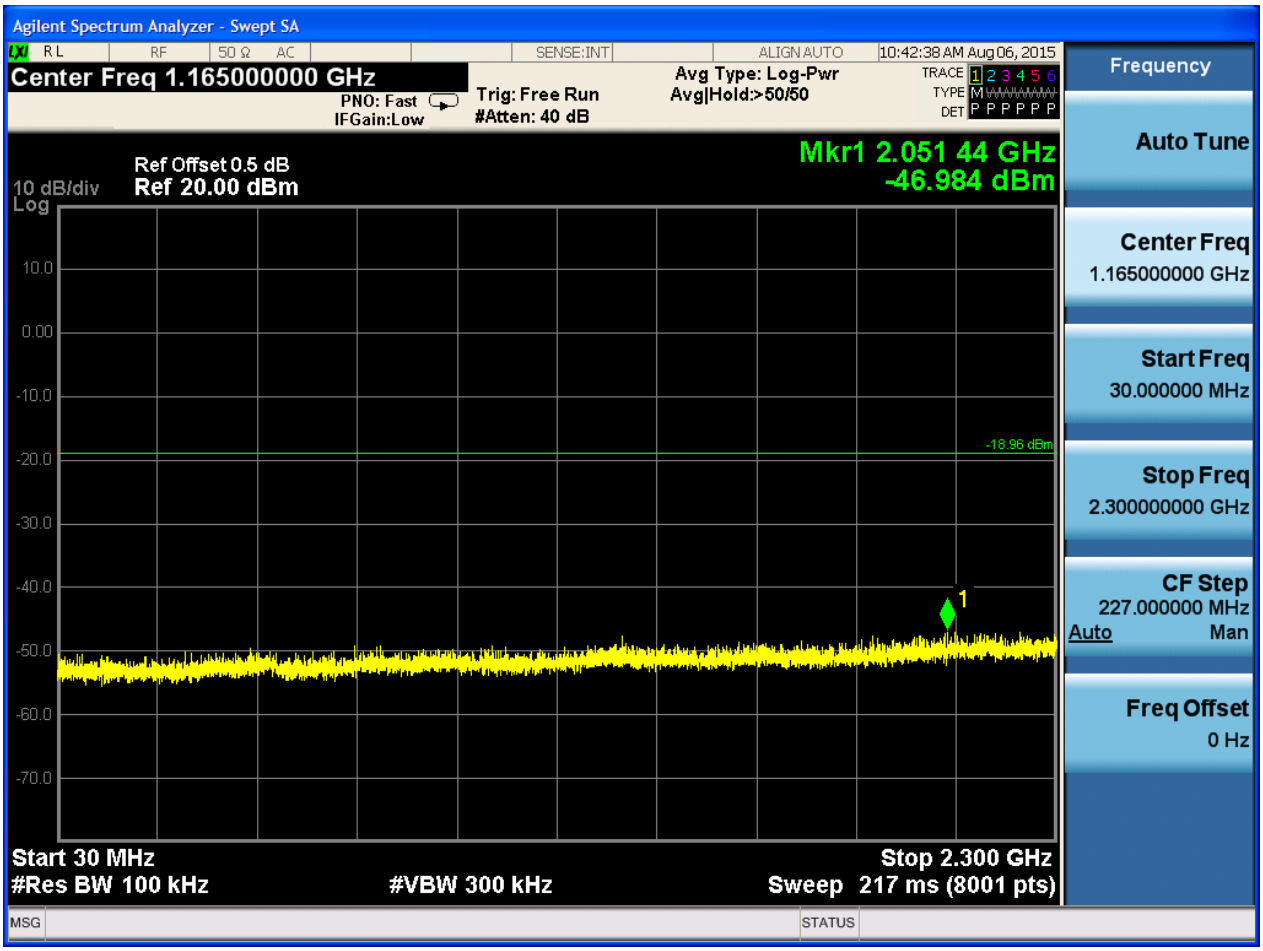

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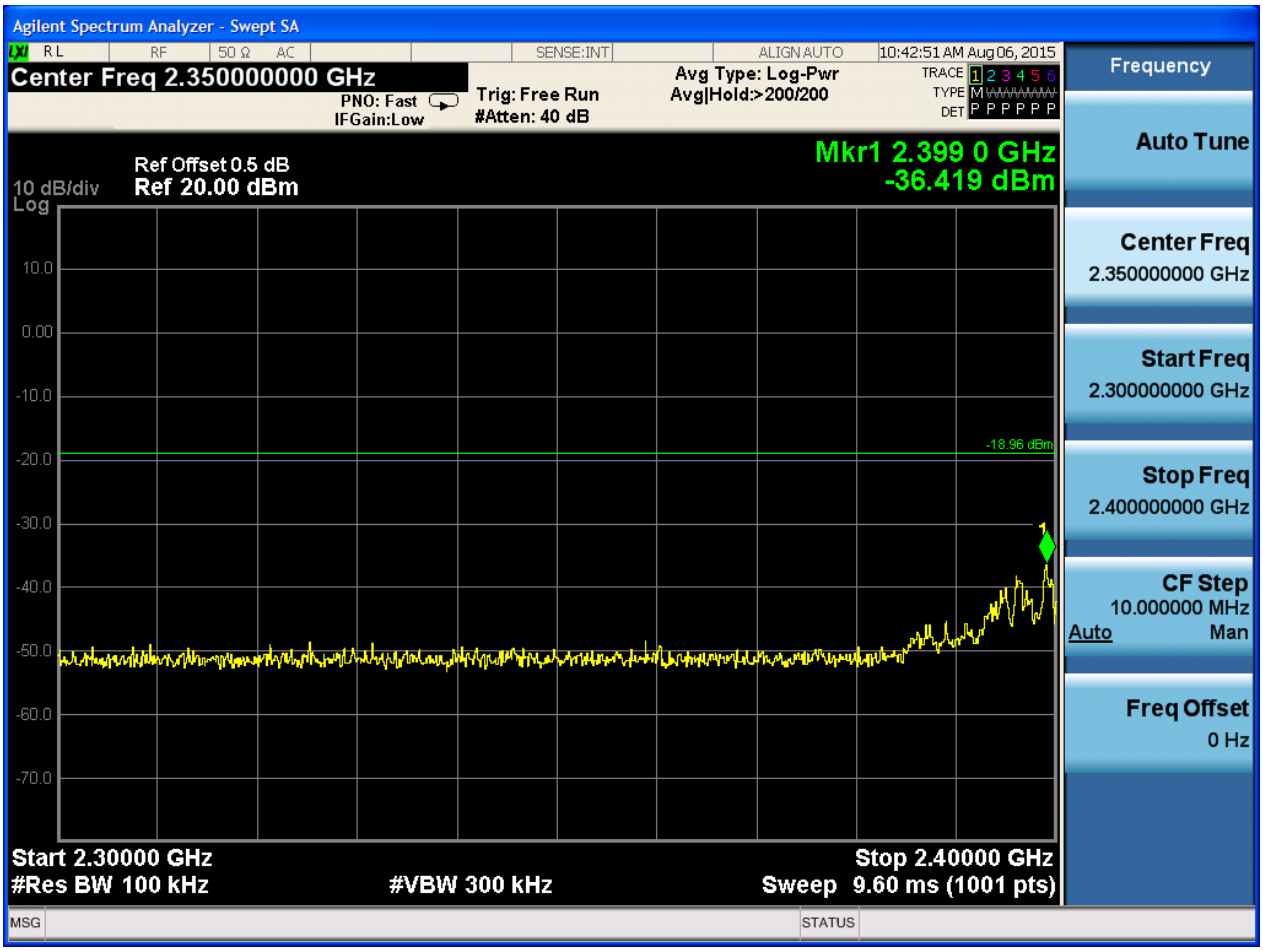

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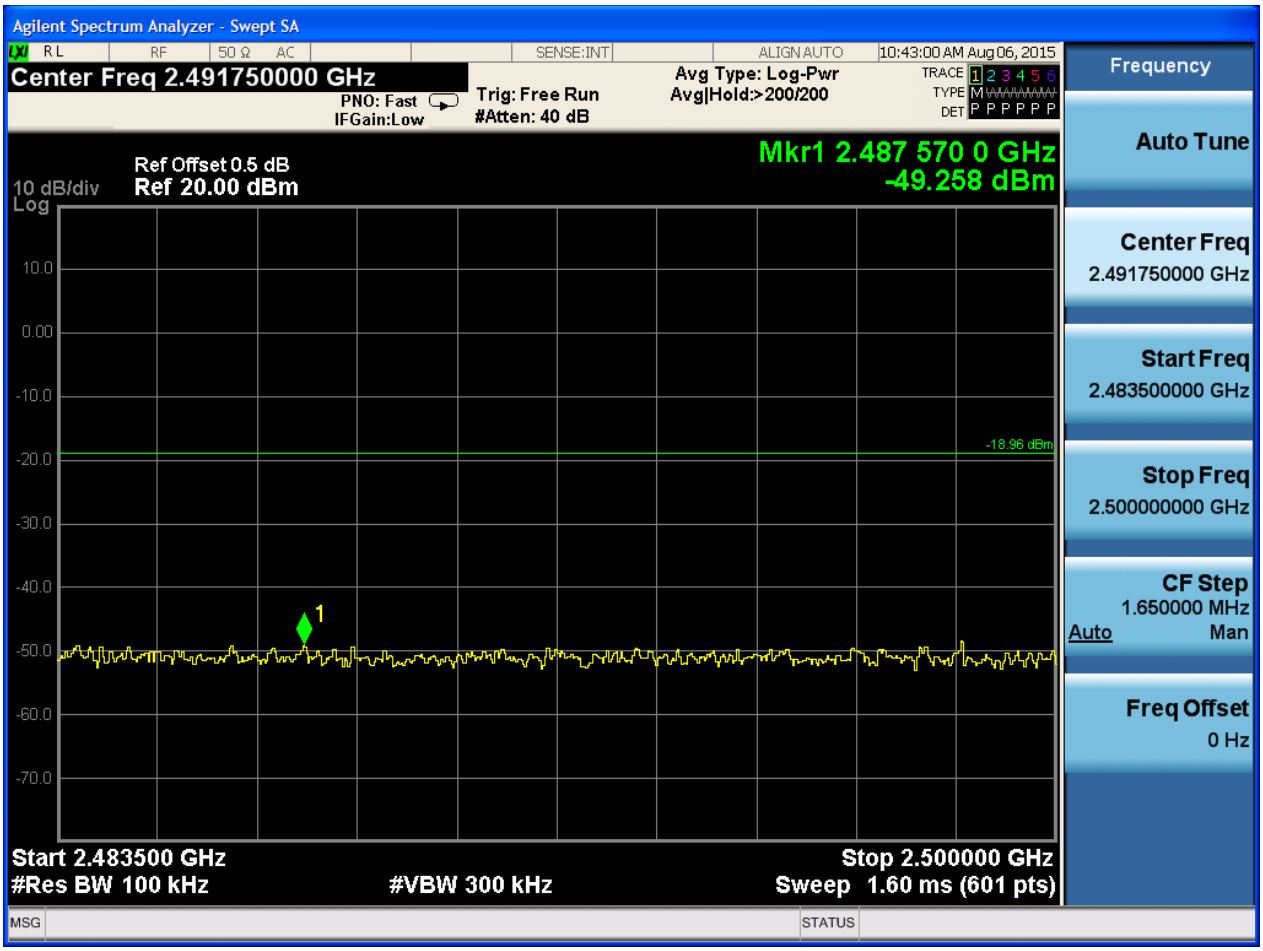

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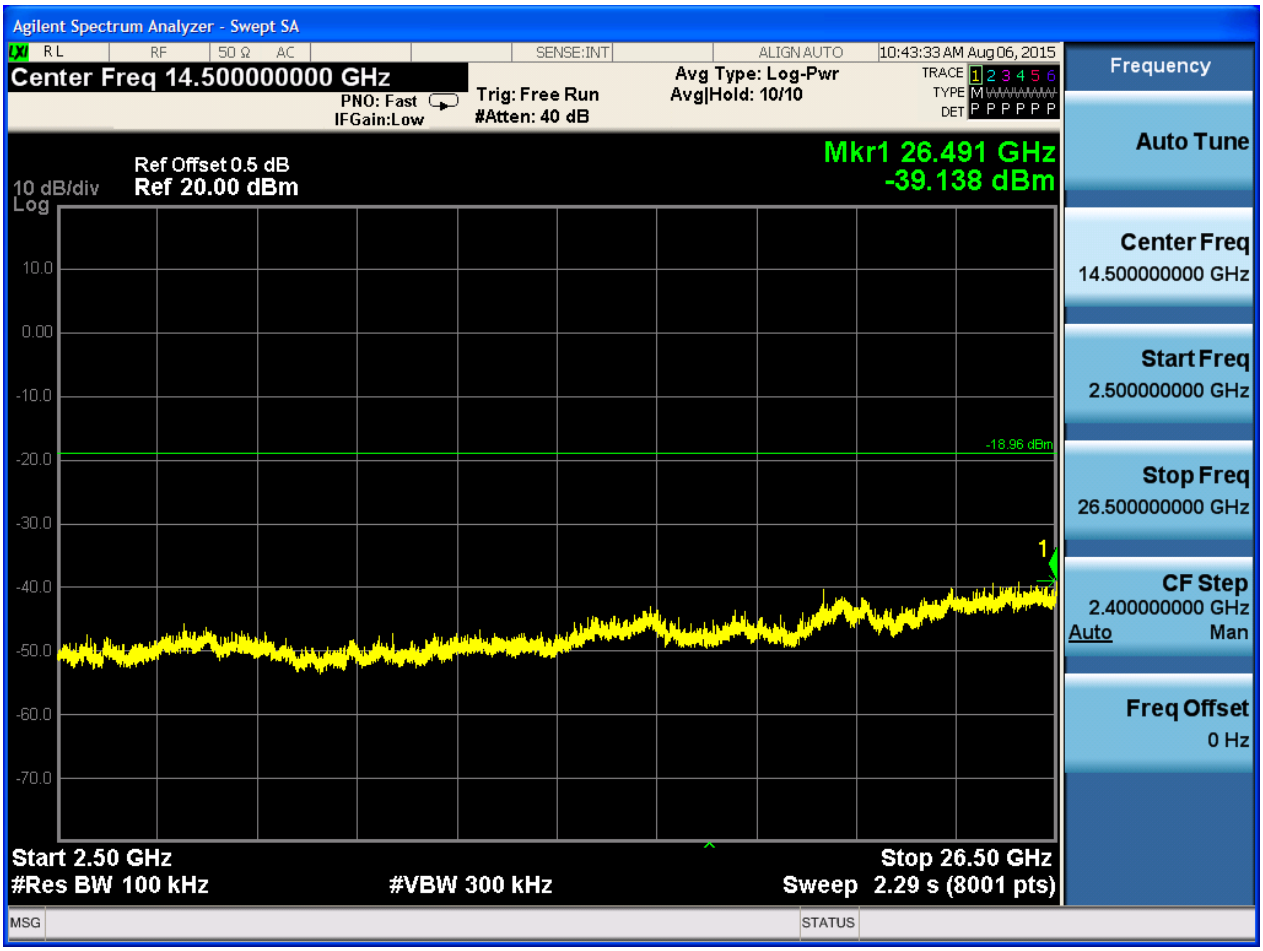

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2.3 11B_M@Ant 1

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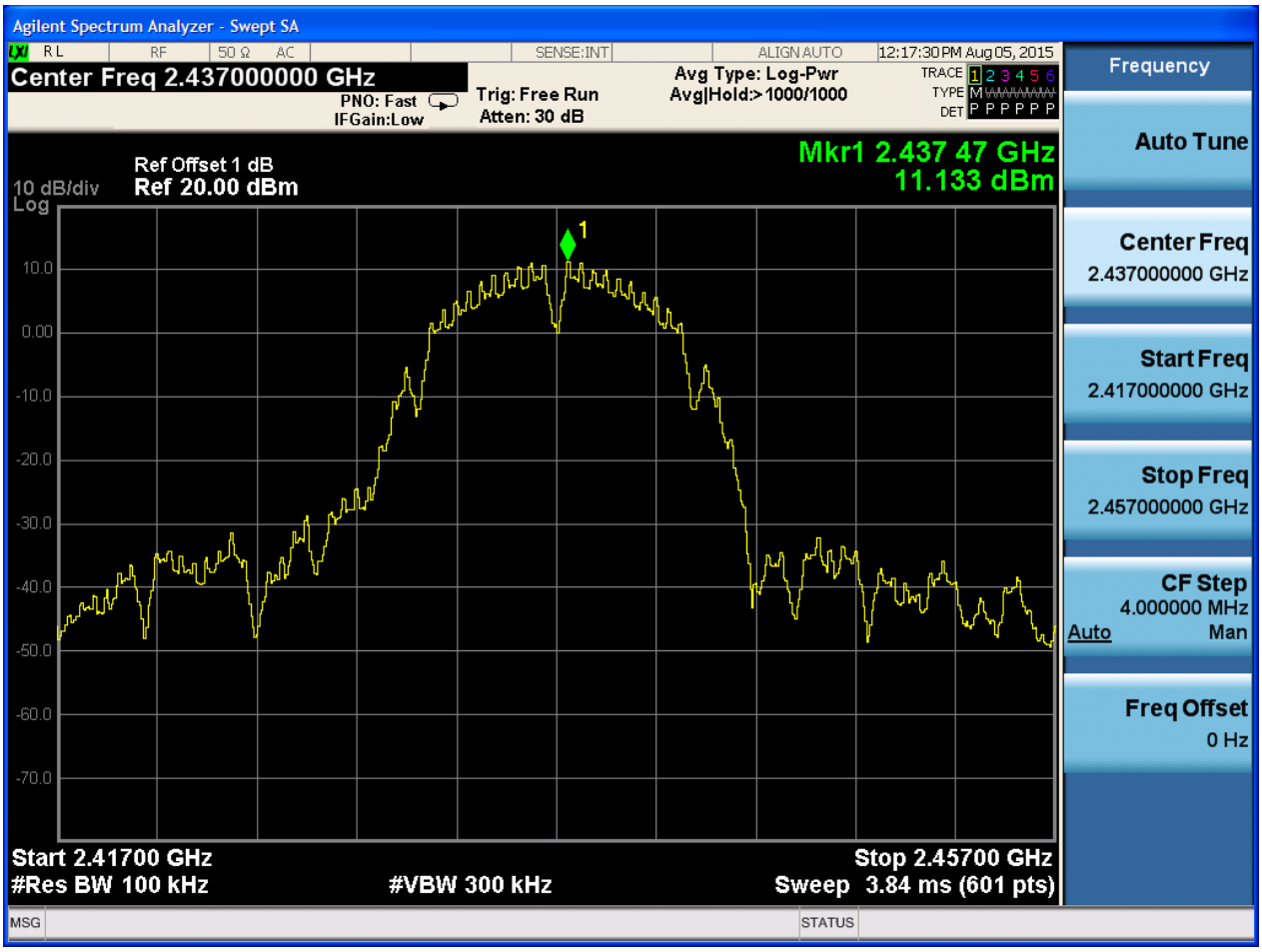

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Puw:

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