Appendix for Testreport

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Appendix A: DTS (6 dB) Bandwidth

In this document, the "DTS6dBBW" refers to the measured "DTS (6 dB) Bandwidth" value. In this Appendix, the "fc(DTS6dBBW)" refers to the centre of the measured "DTS6dBBW". The introduction of the "fc(DTS6dBBW)" is due to that other measurements use it as the spectrum analyzer setting.

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11B	L	2412	Ant 1	8.83	pass
11B	L	2412	Ant 2	9.28	pass
11B	M	2437	Ant 1	8.83	pass
11B	M	2437	Ant 2	9.51	pass
11B	H	2462	Ant 1	8.93	pass
11B	H	2462	Ant 2	9.49	pass
11G	L	2412	Ant 1	16.52	pass
11G	L	2412	Ant 2	16.56	pass
11G	M	2437	Ant 1	16.60	pass
11G	M	2437	Ant 2	16.56	pass
11G	H	2462	Ant 1	16.55	pass
11G	H	2462	Ant 2	16.62	pass
11N20	L	2412	Ant 1	17.78	pass
11N20	L	2412	Ant 2	17.81	pass
11N20	M	2437	Ant 1	17.85	pass
11N20	M	2437	Ant 2	17.82	pass
11N20	H	2462	Ant 1	17.81	pass
11N20	H	2462	Ant 2	17.87	pass
11N20m	L	2412	Ant 1	17.75	pass
11N20m	L	2412	Ant 2	17.78	pass
11N20m	M	2437	Ant 1	17.84	pass
11N20m	M	2437	Ant 2	17.81	pass
11N20m	H	2462	Ant 1	17.80	pass
11N20m	H	2462	Ant 2	17.85	pass
11N40	L	2422	Ant 1	36.51	pass
11N40	L	2422	Ant 2	36.63	pass
11N40	M	2437	Ant 1	36.61	pass
11N40	M	2437	Ant 2	36.55	pass

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Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11N40	H	2452	Ant 1	36.52	pass
11N40	H	2452	Ant 2	36.58	pass
11N40m	L	2422	Ant 1	36.58	pass
11N40m	L	2422	Ant 2	36.63	pass
11N40m	M	2437	Ant 1	36.61	pass
11N40m	M	2437	Ant 2	36.52	pass
11N40m	H	2452	Ant 1	36.48	pass
11N40m	H	2452	Ant 2	36.56	pass

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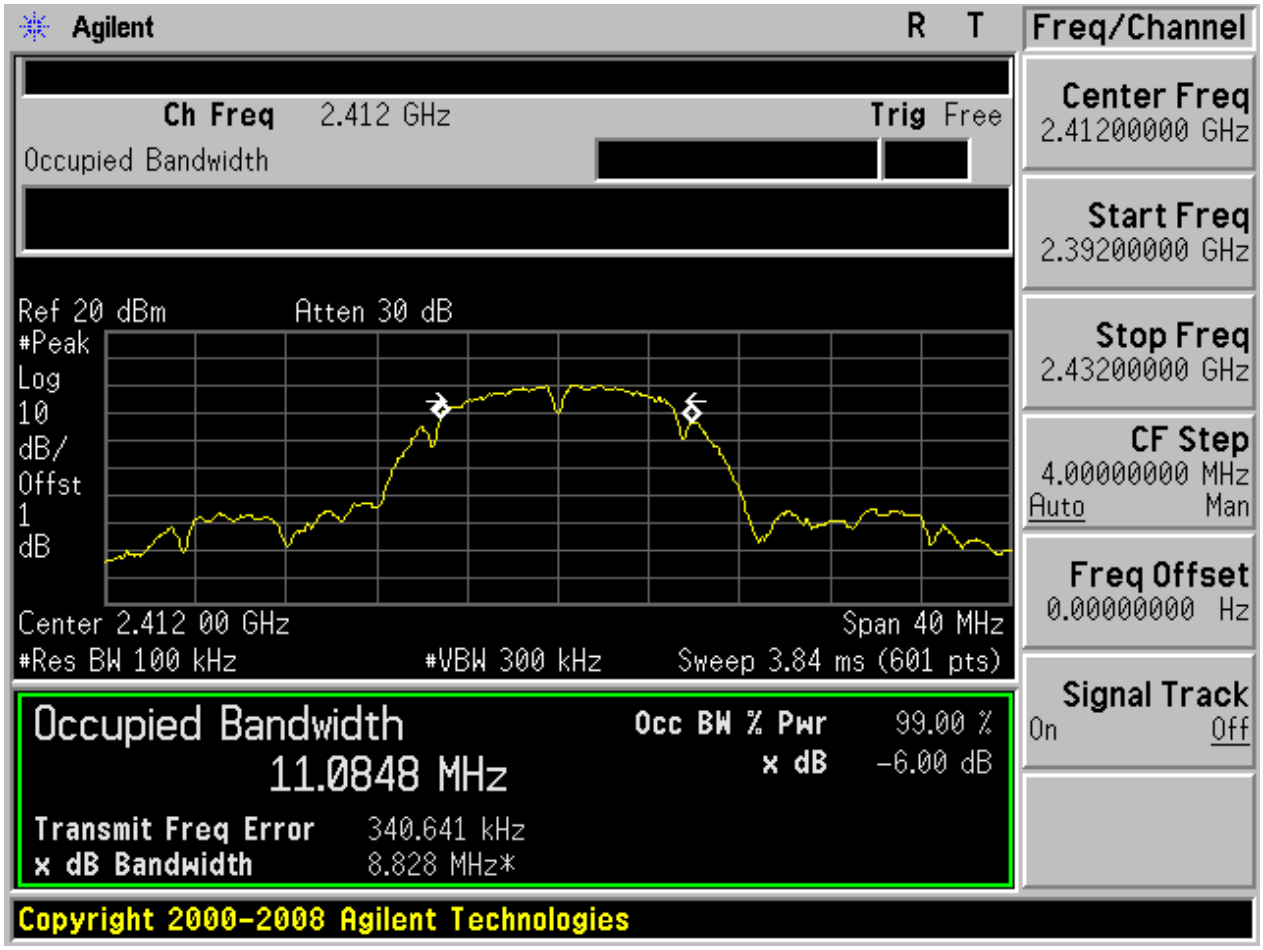
Part II - Test Plots

2.1 11B_L@Ant 1



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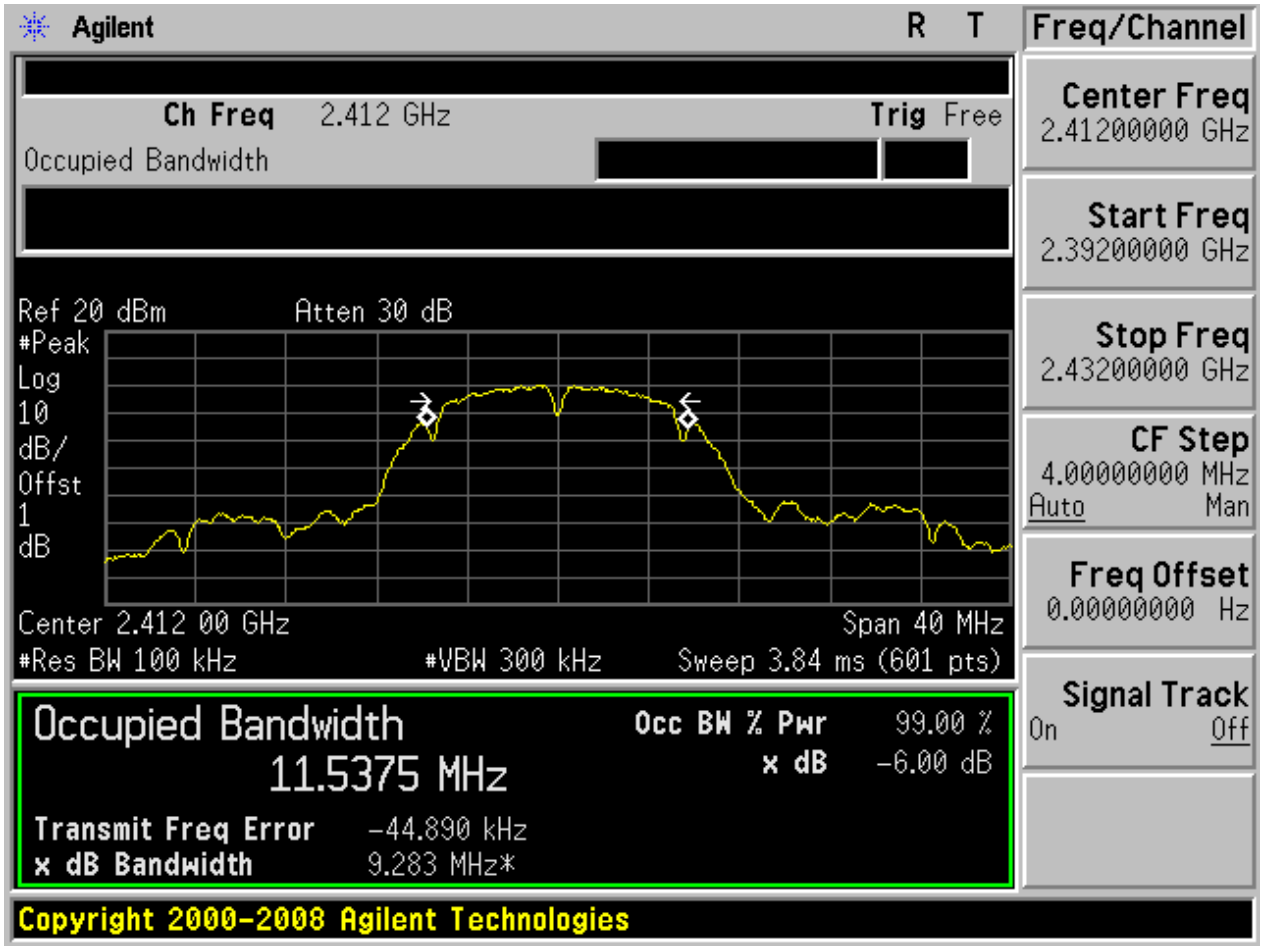

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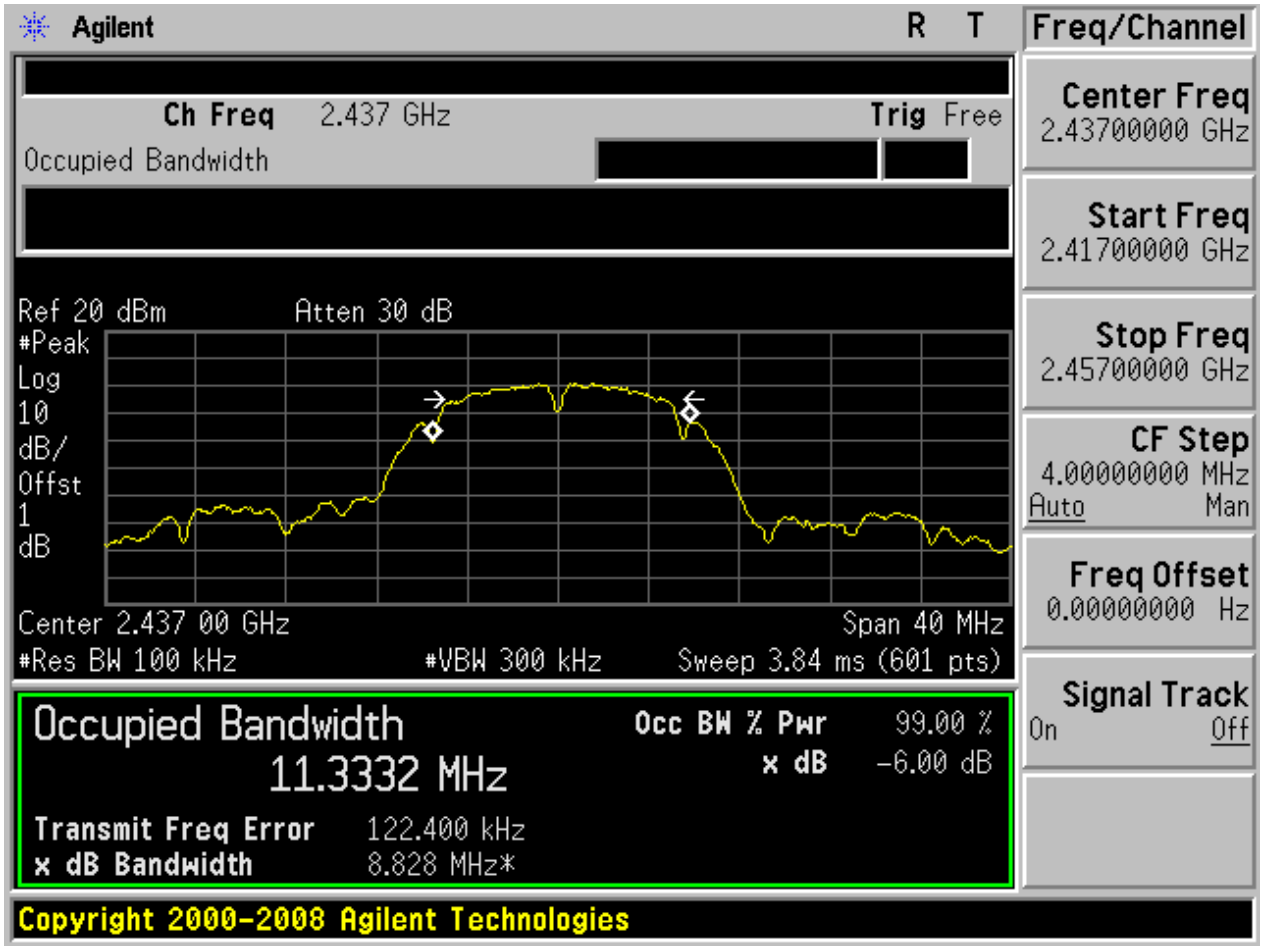

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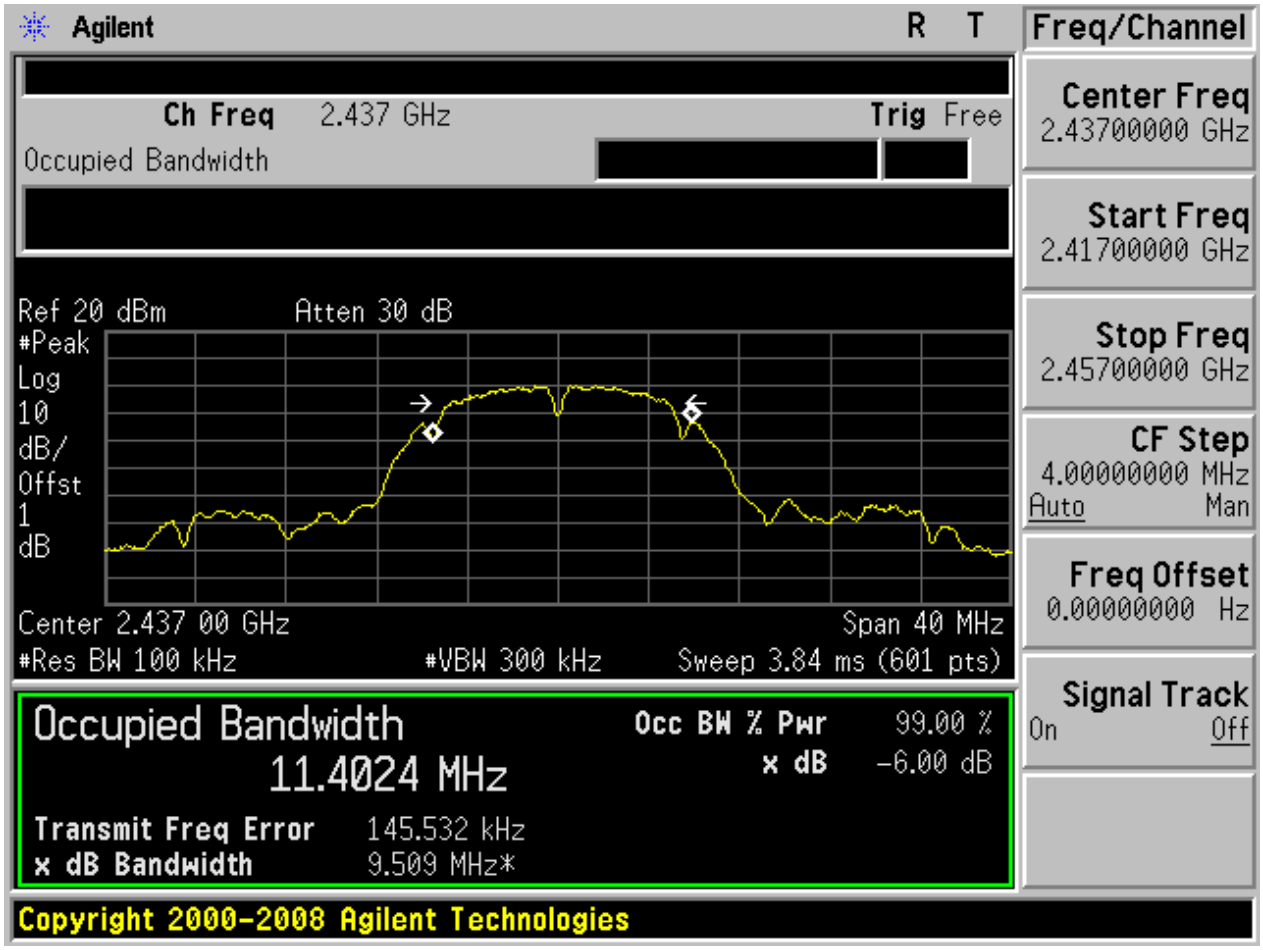

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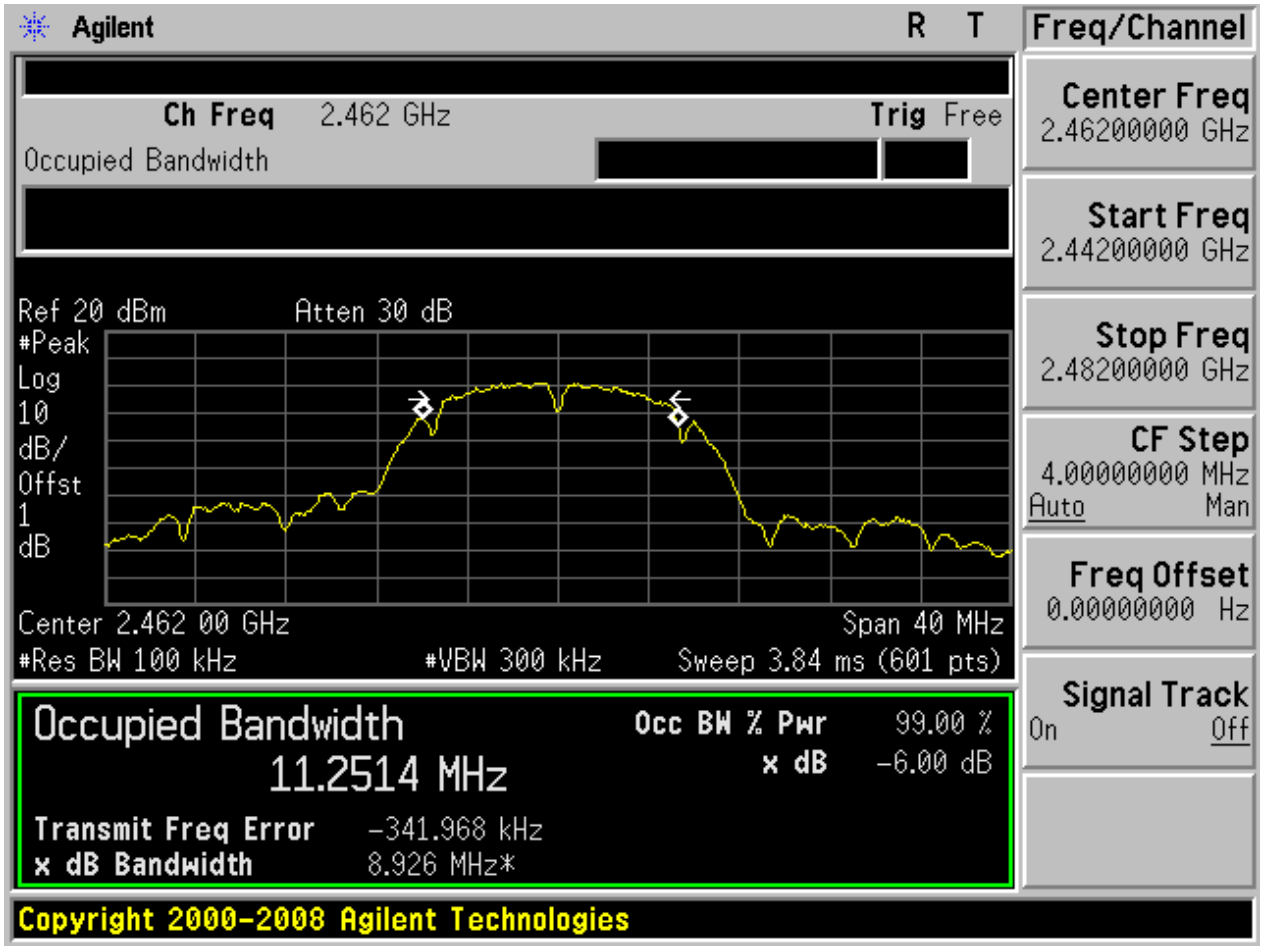

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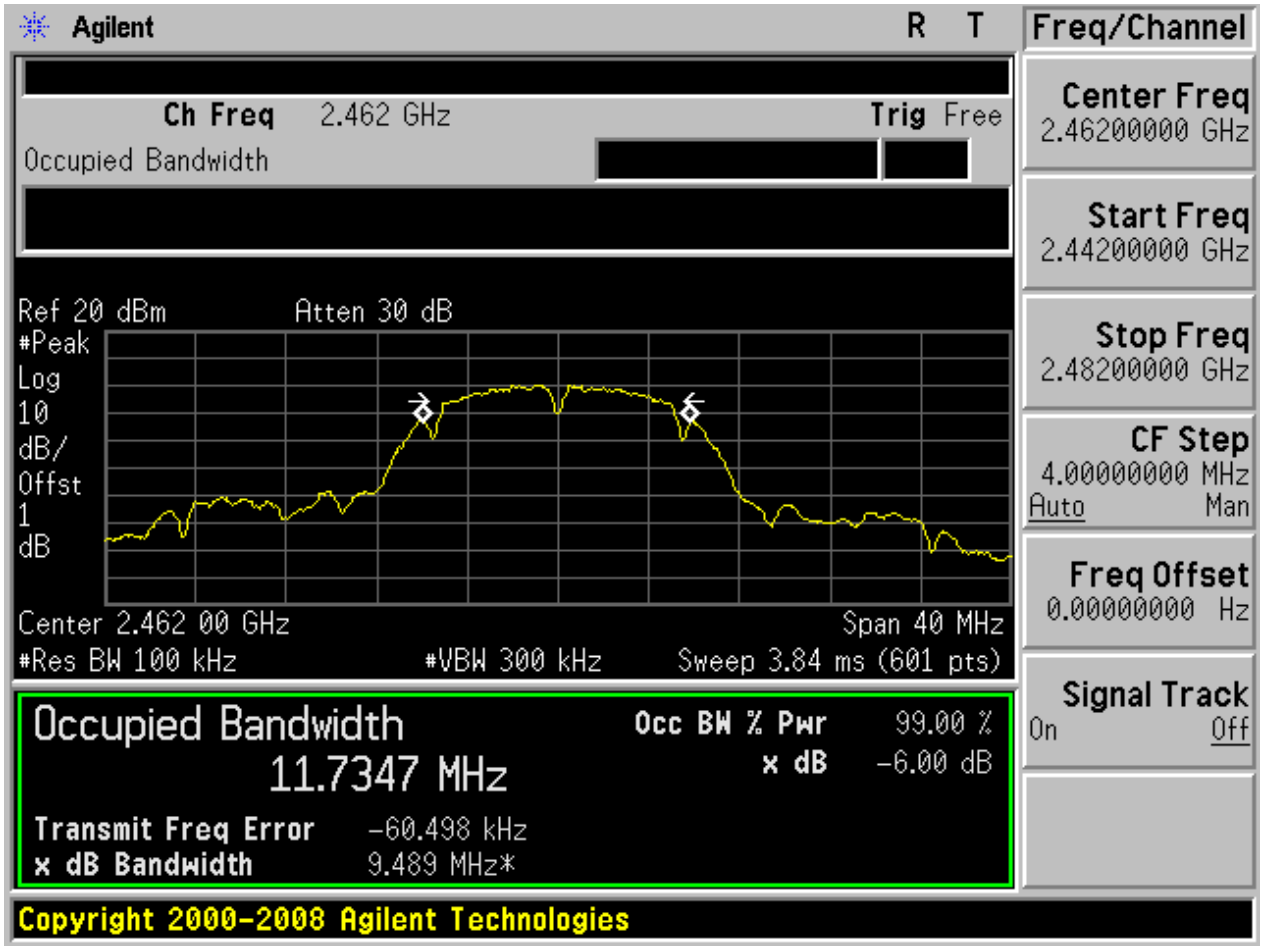

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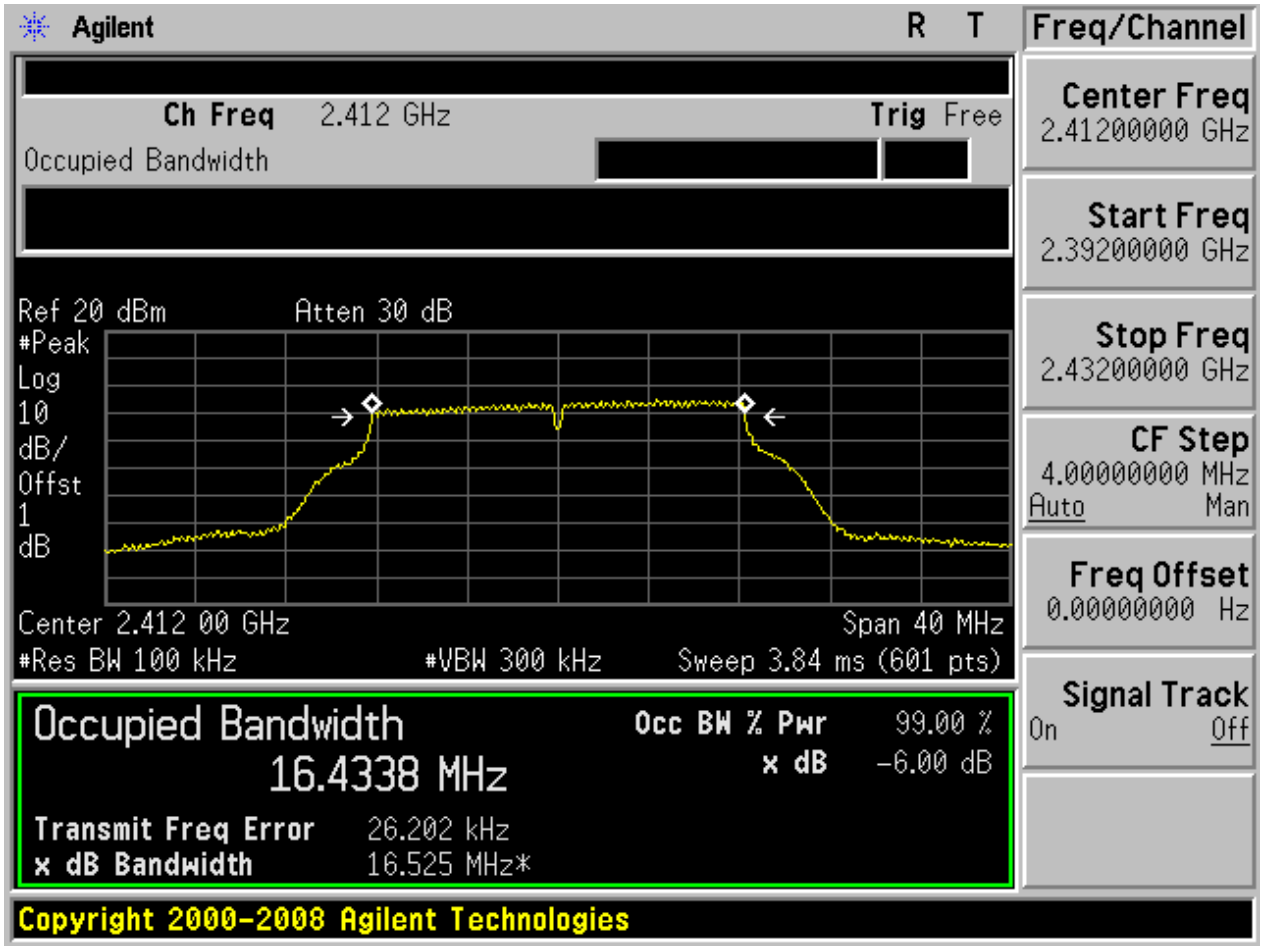

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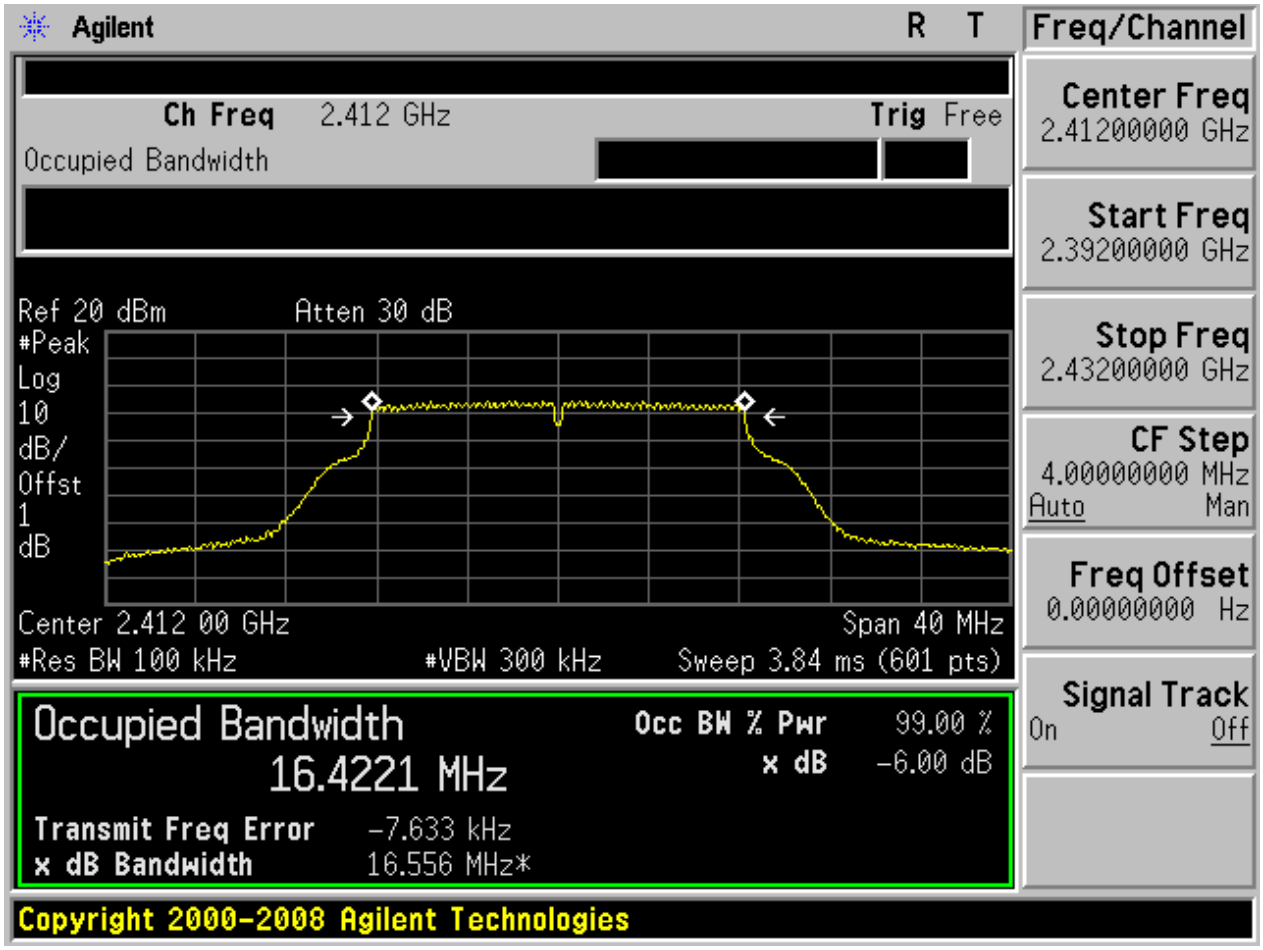

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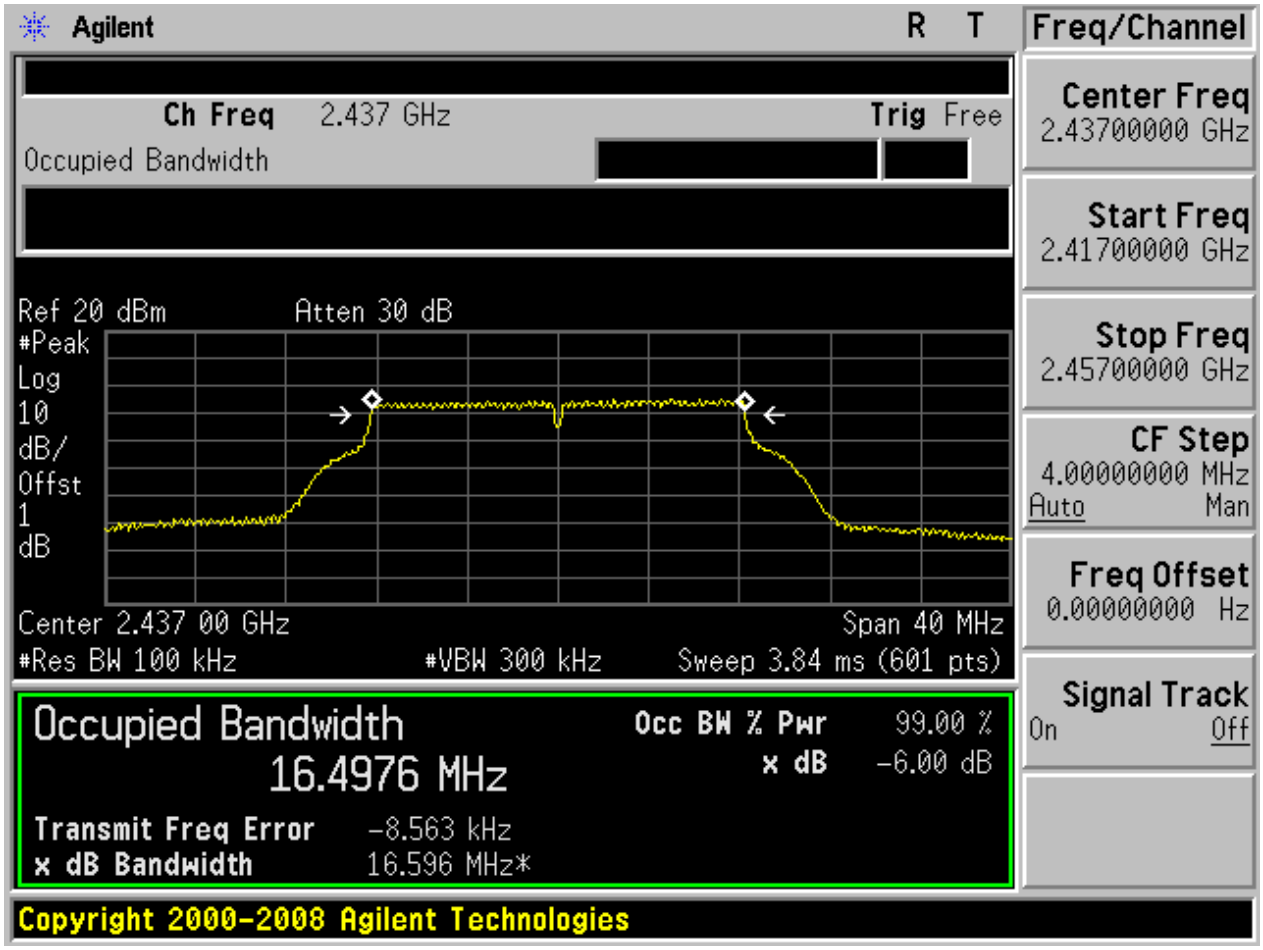

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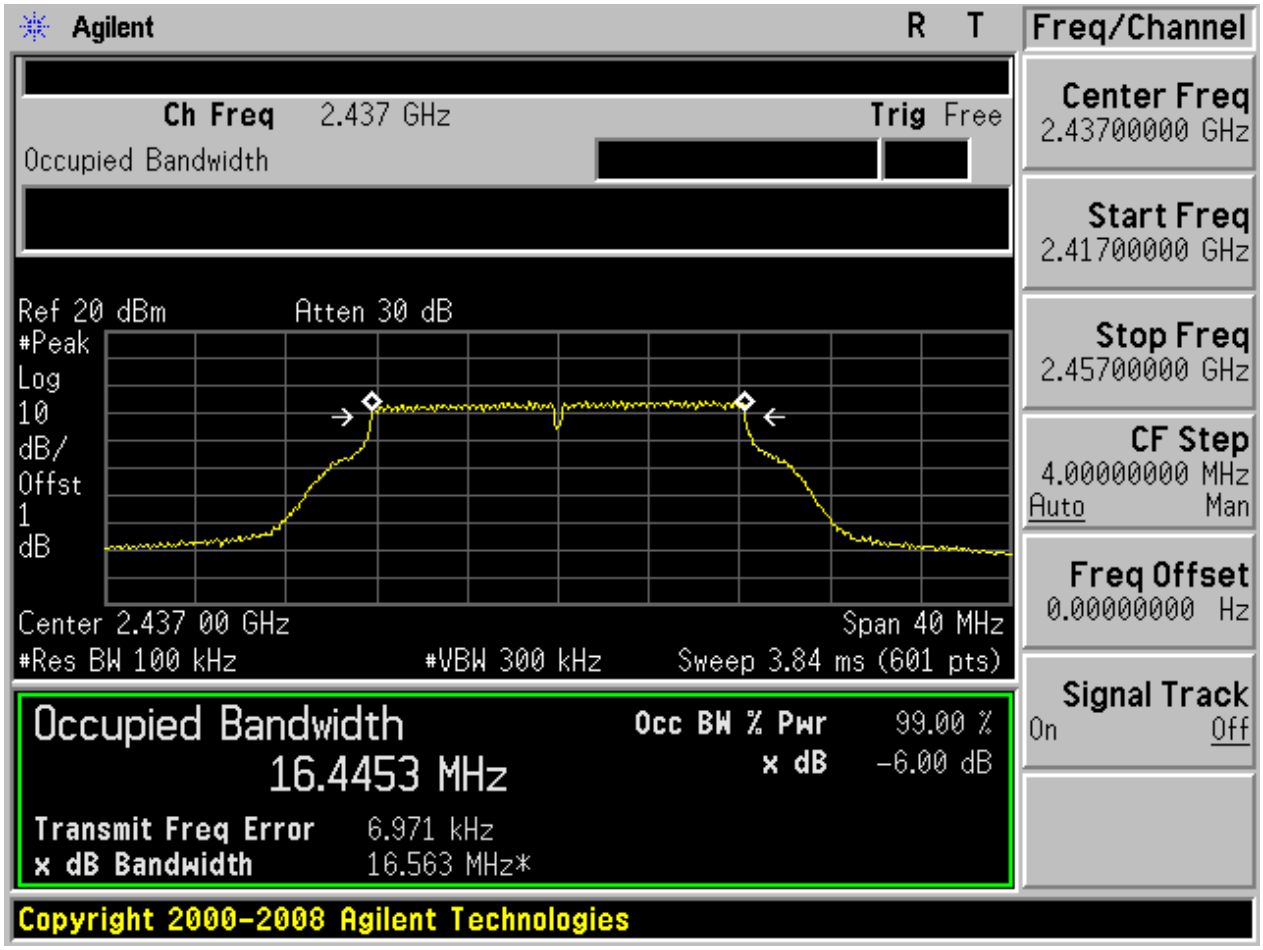

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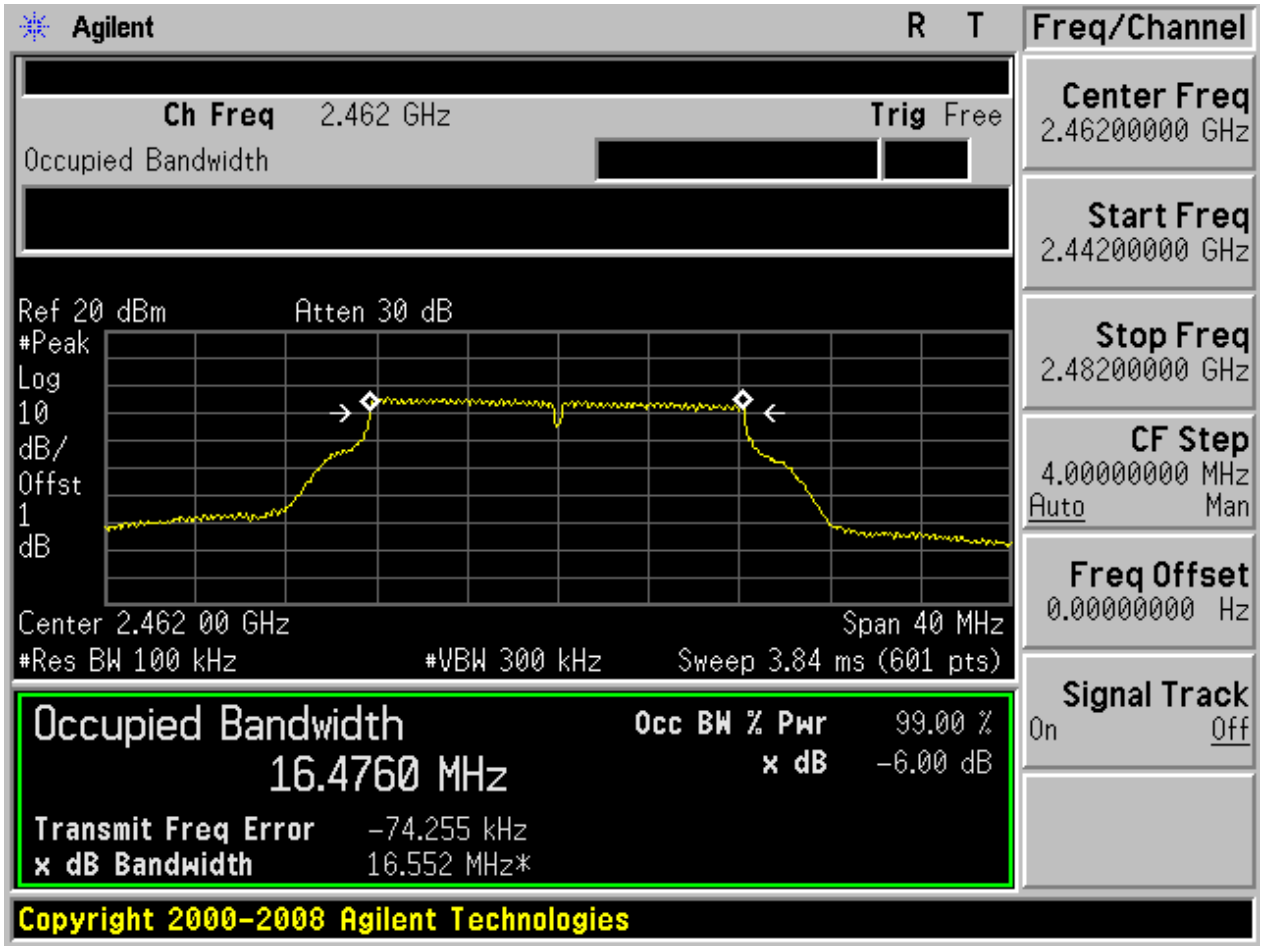

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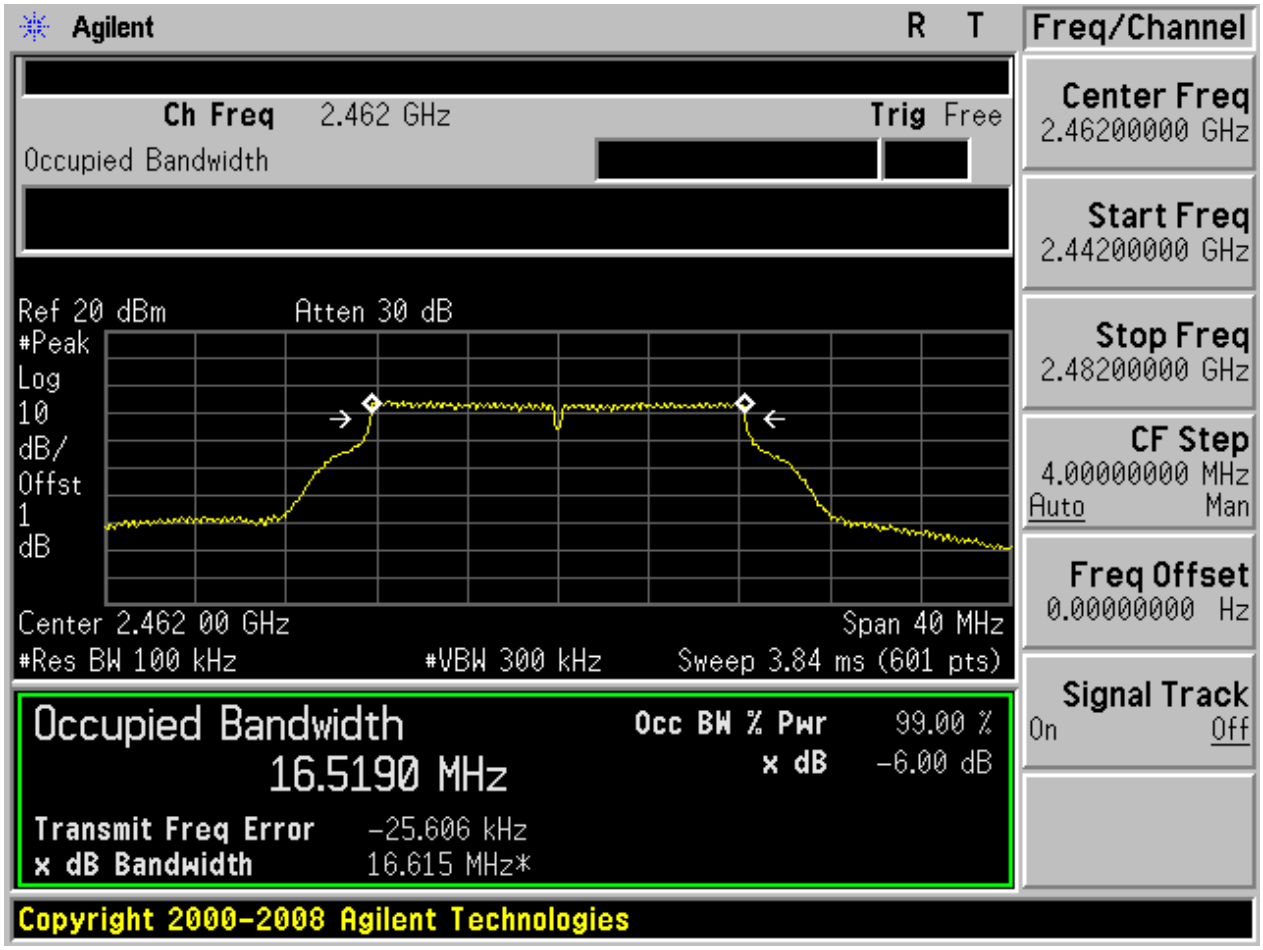

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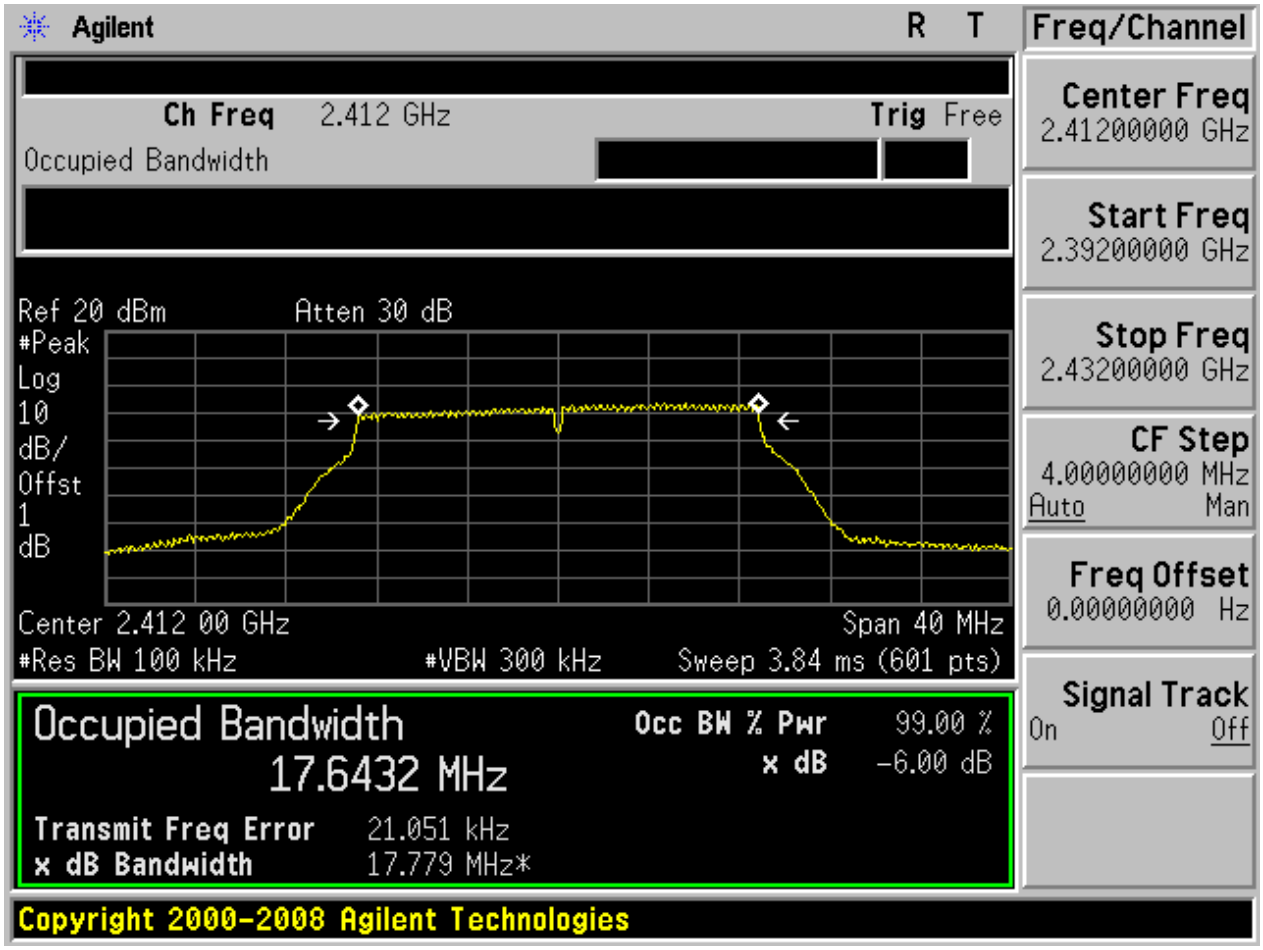

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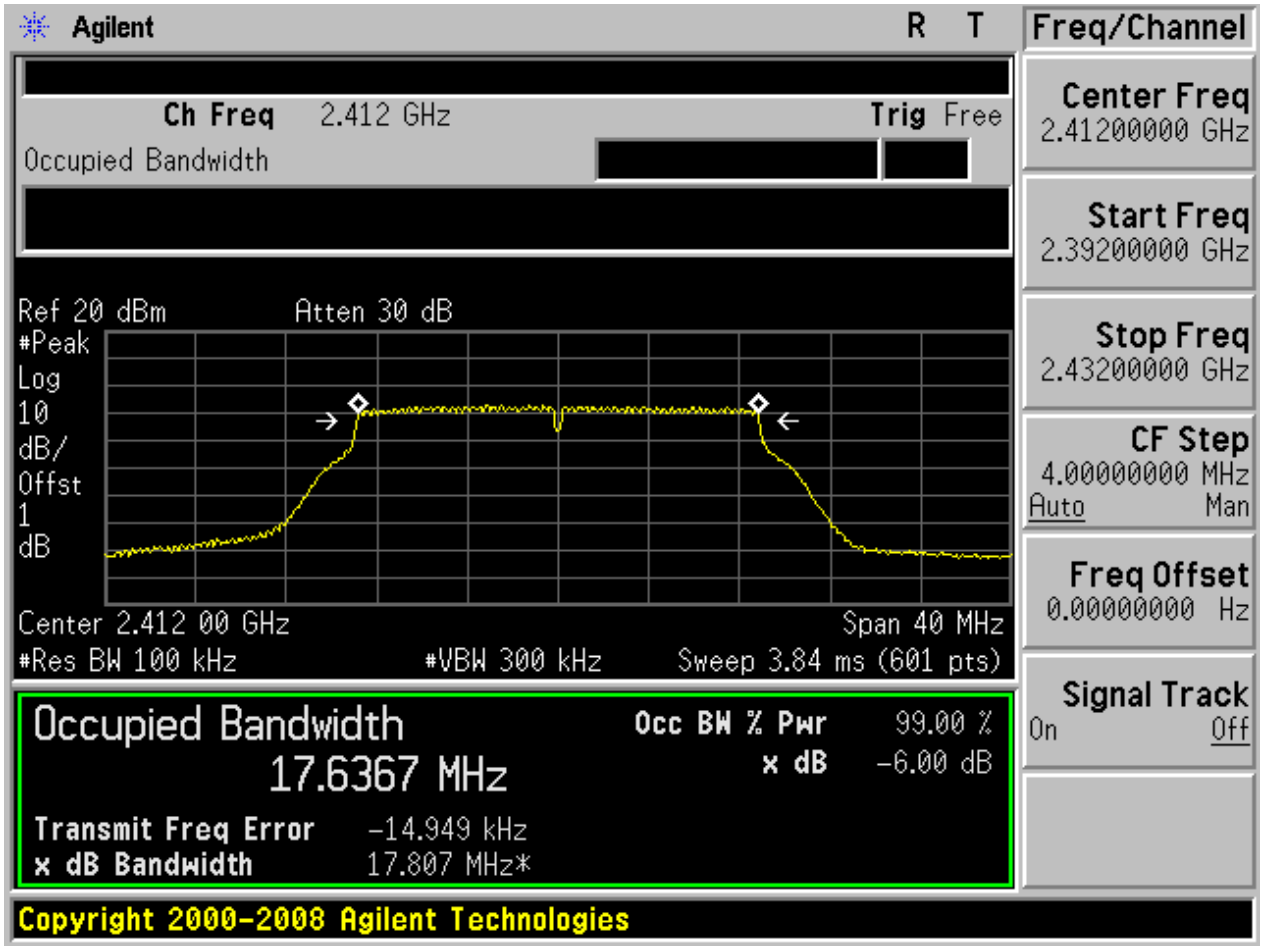

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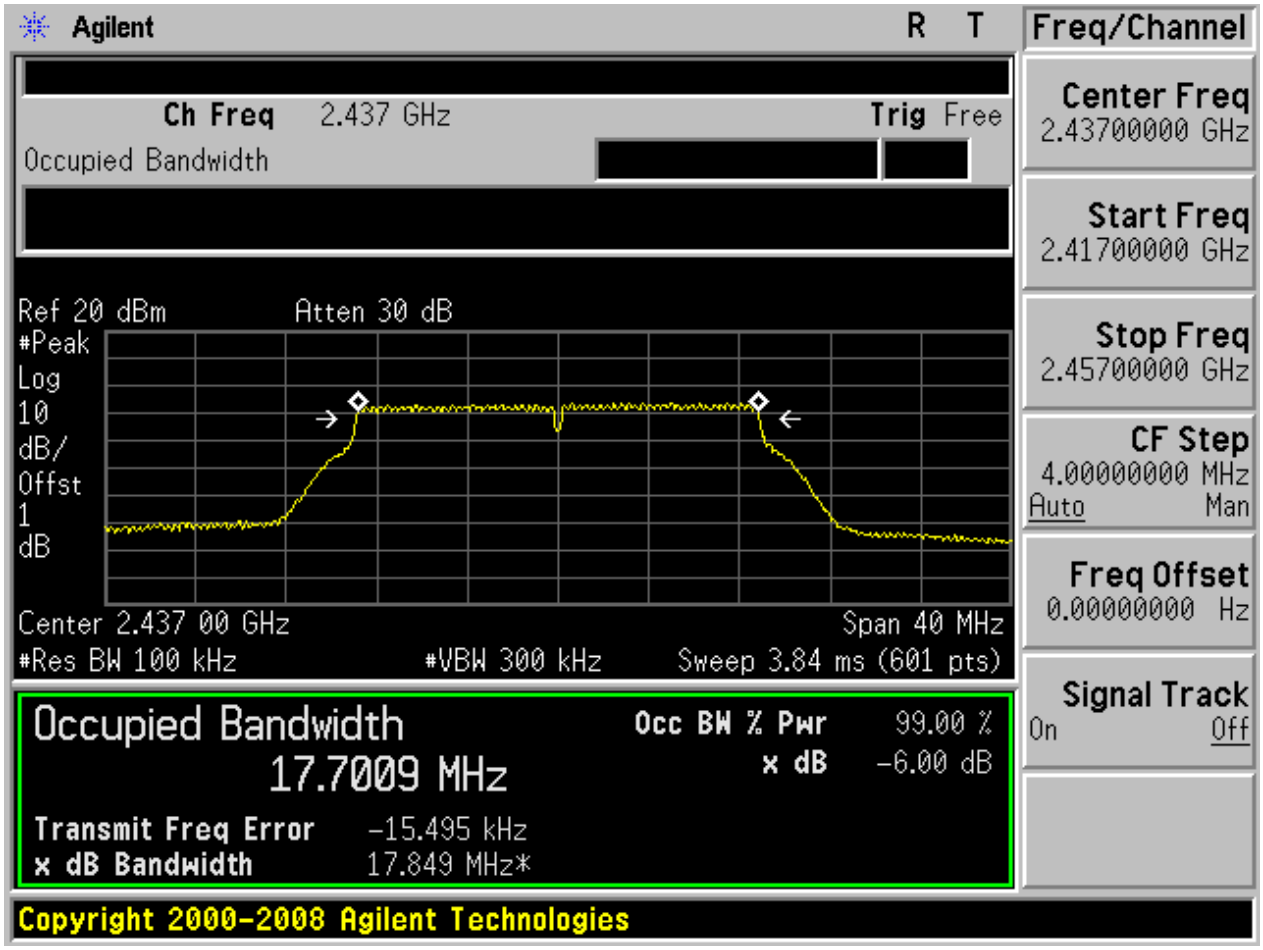

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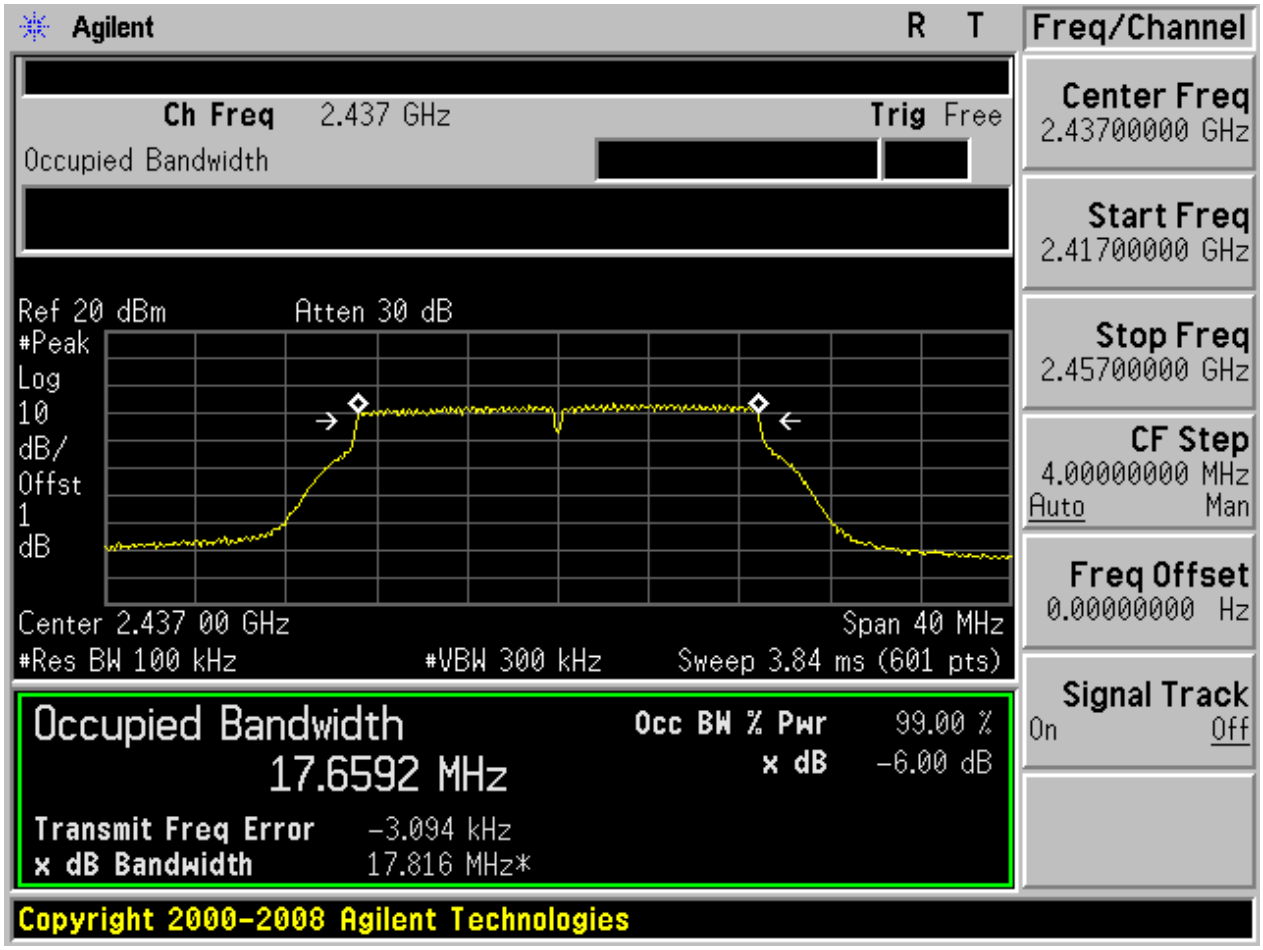

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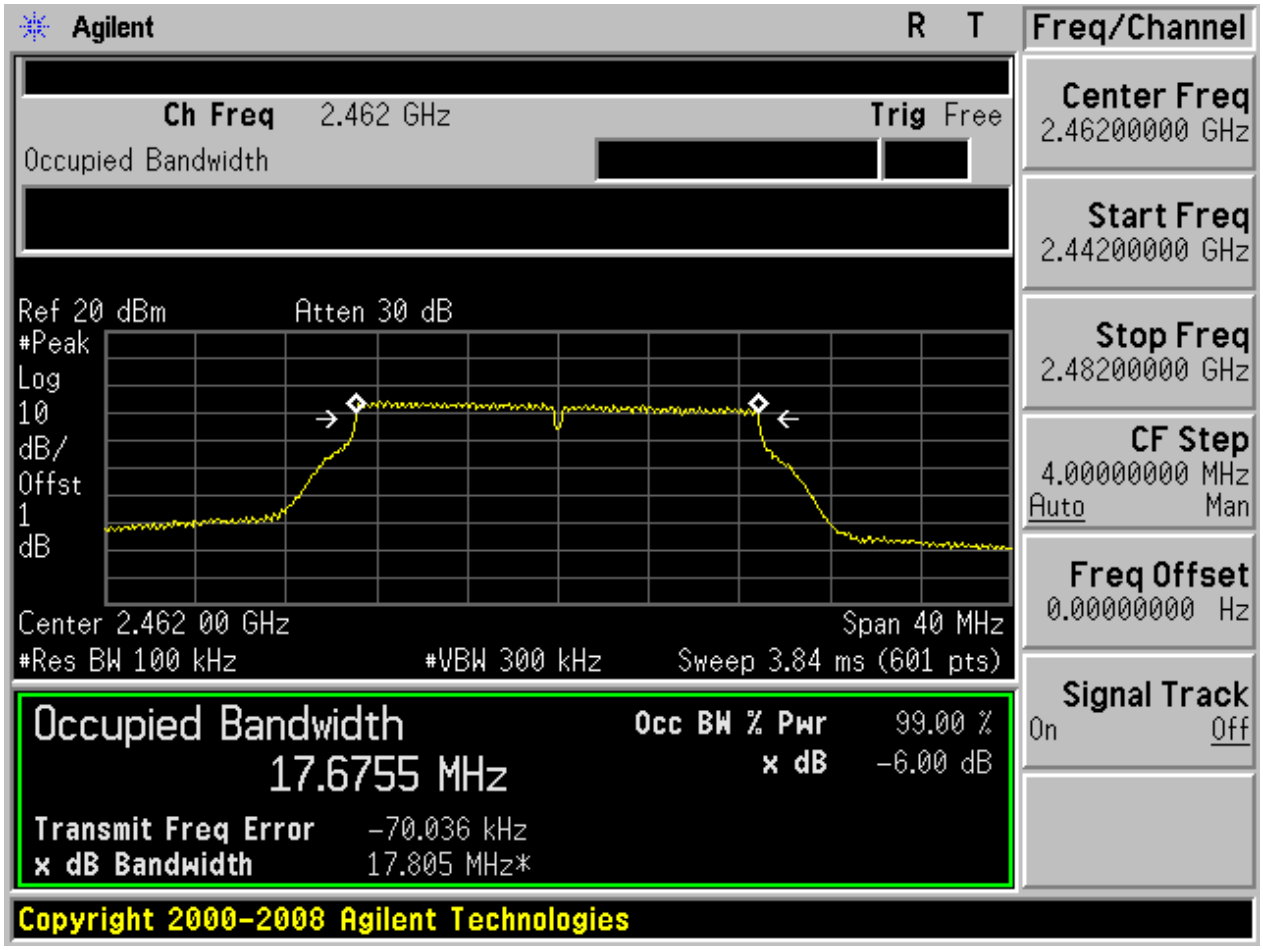

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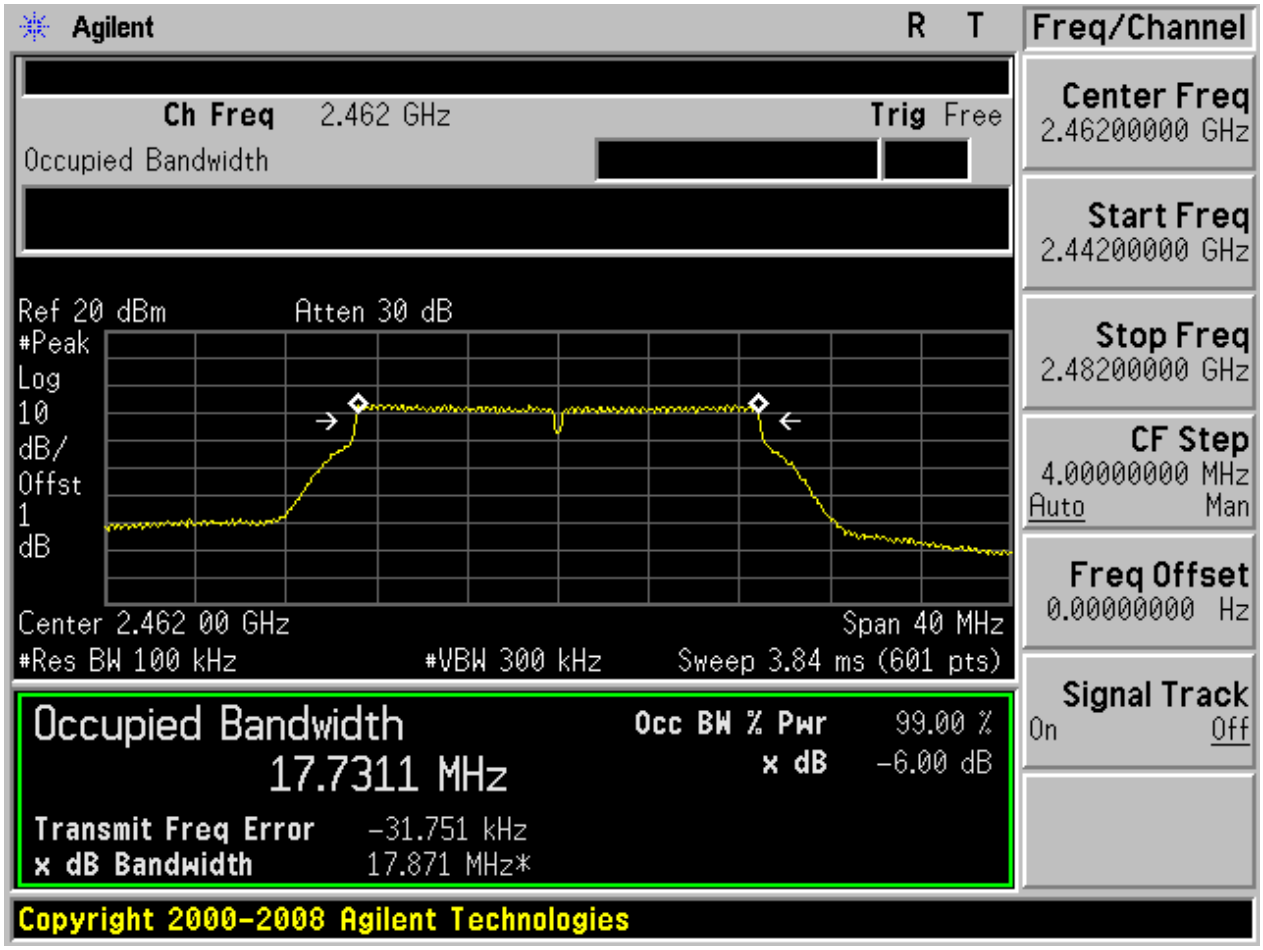

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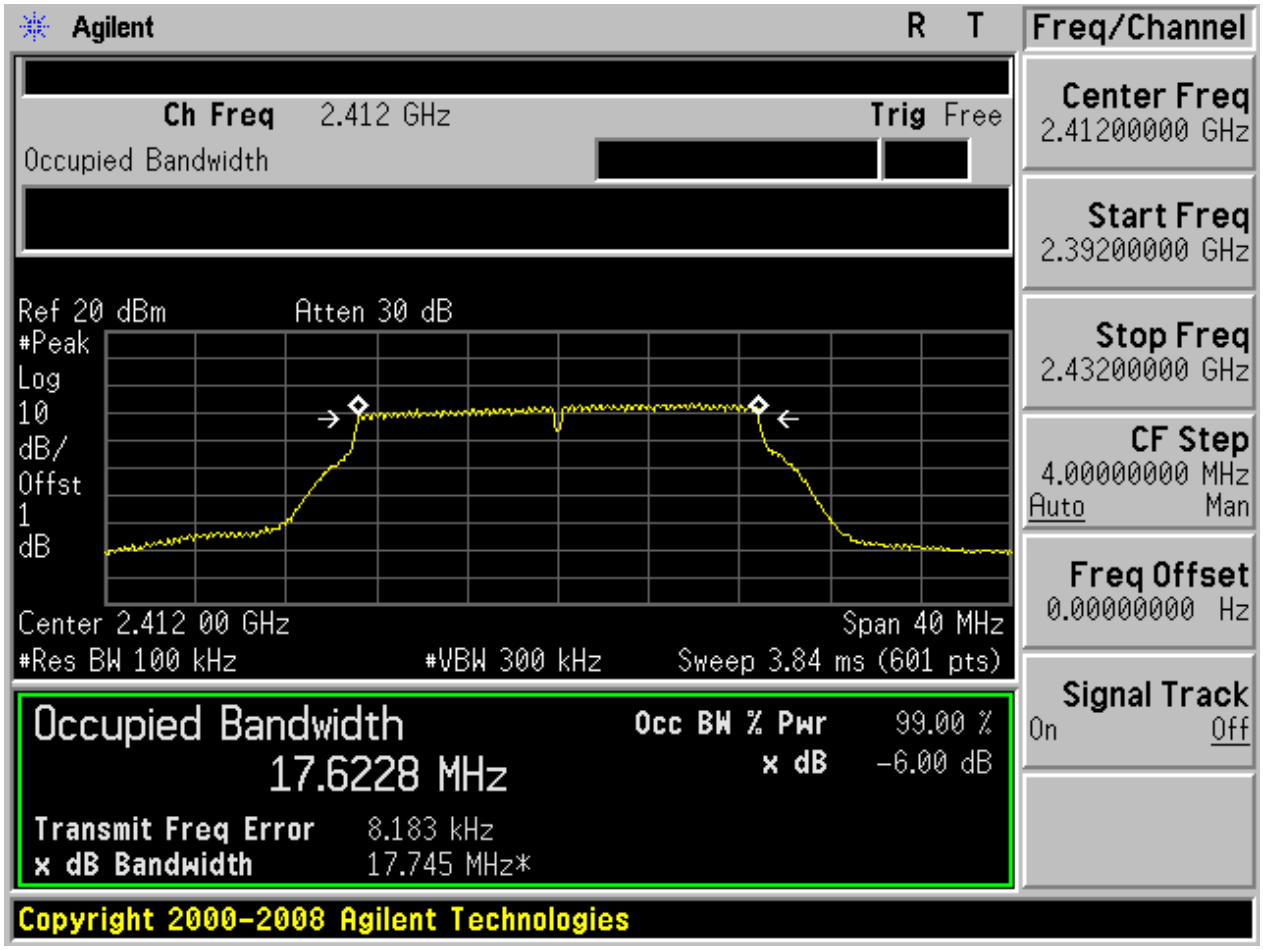

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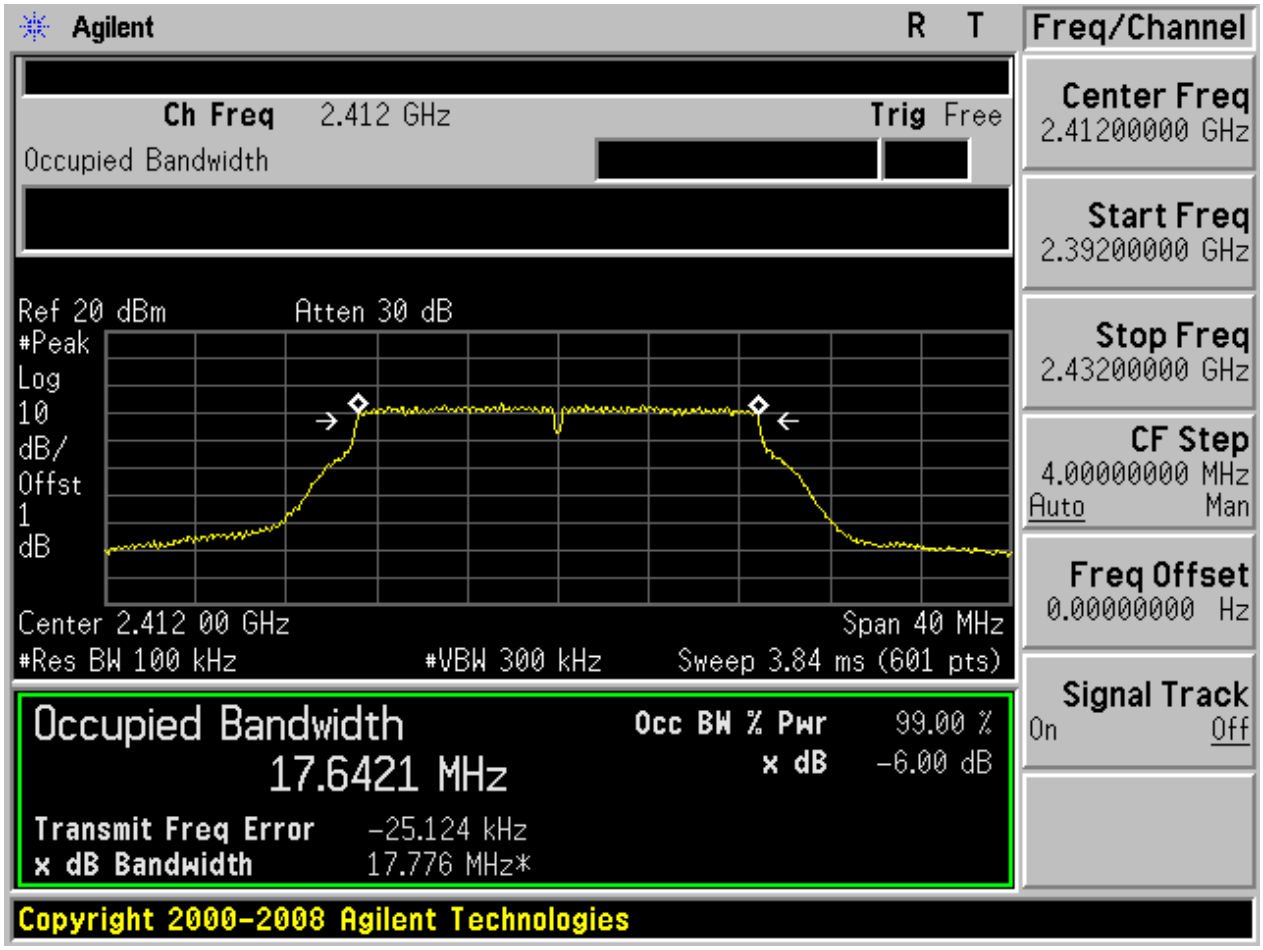

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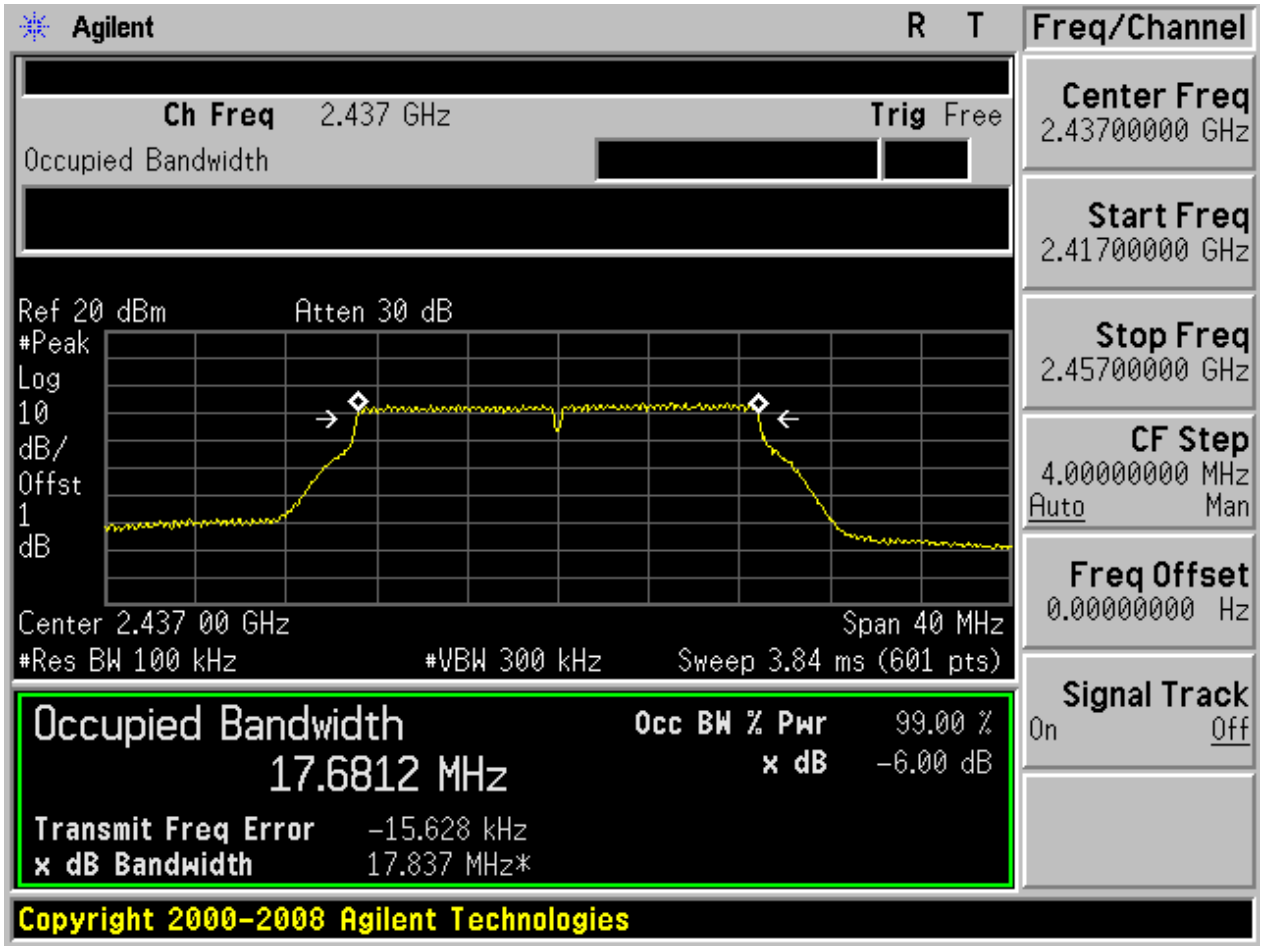

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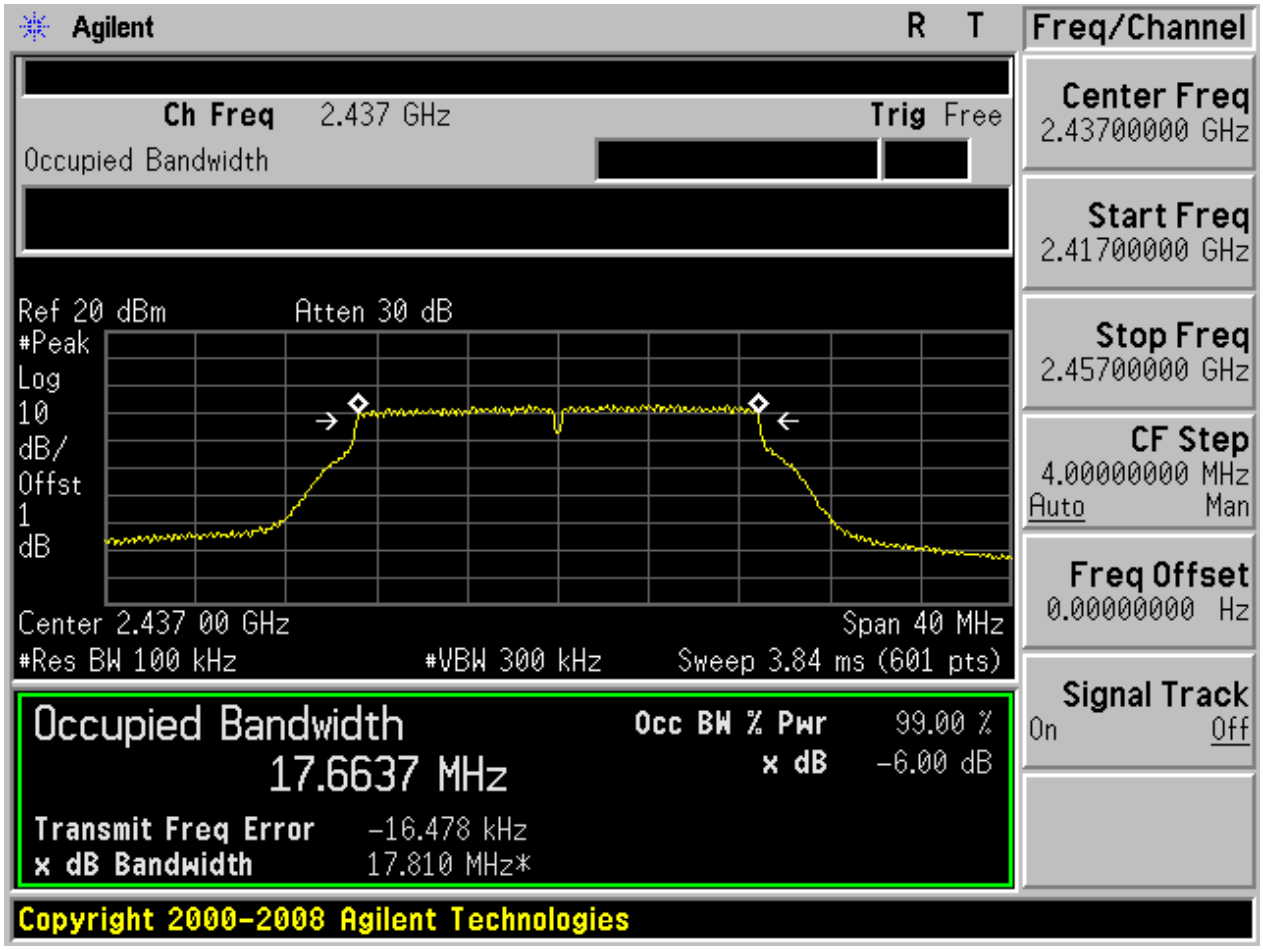

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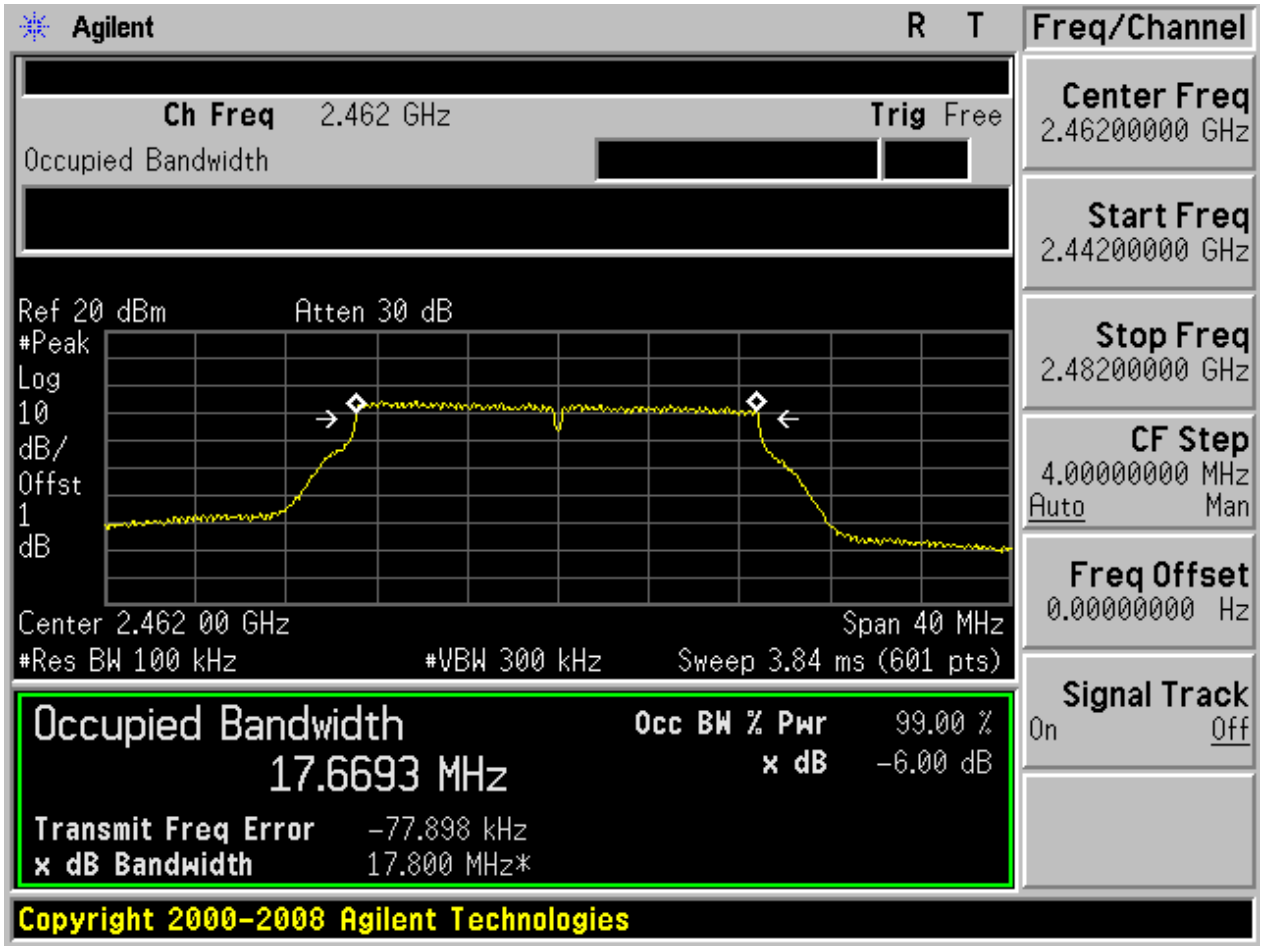

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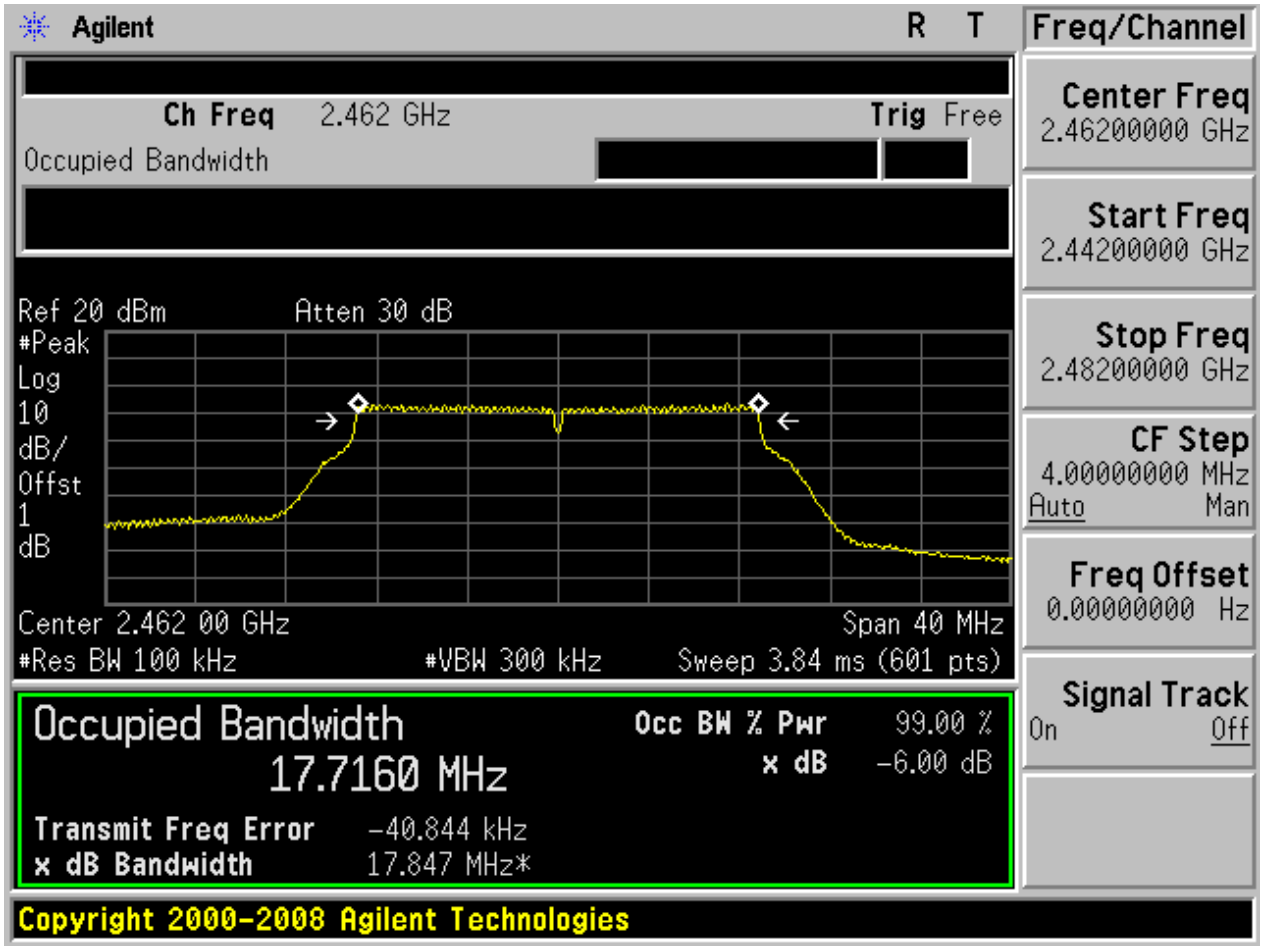

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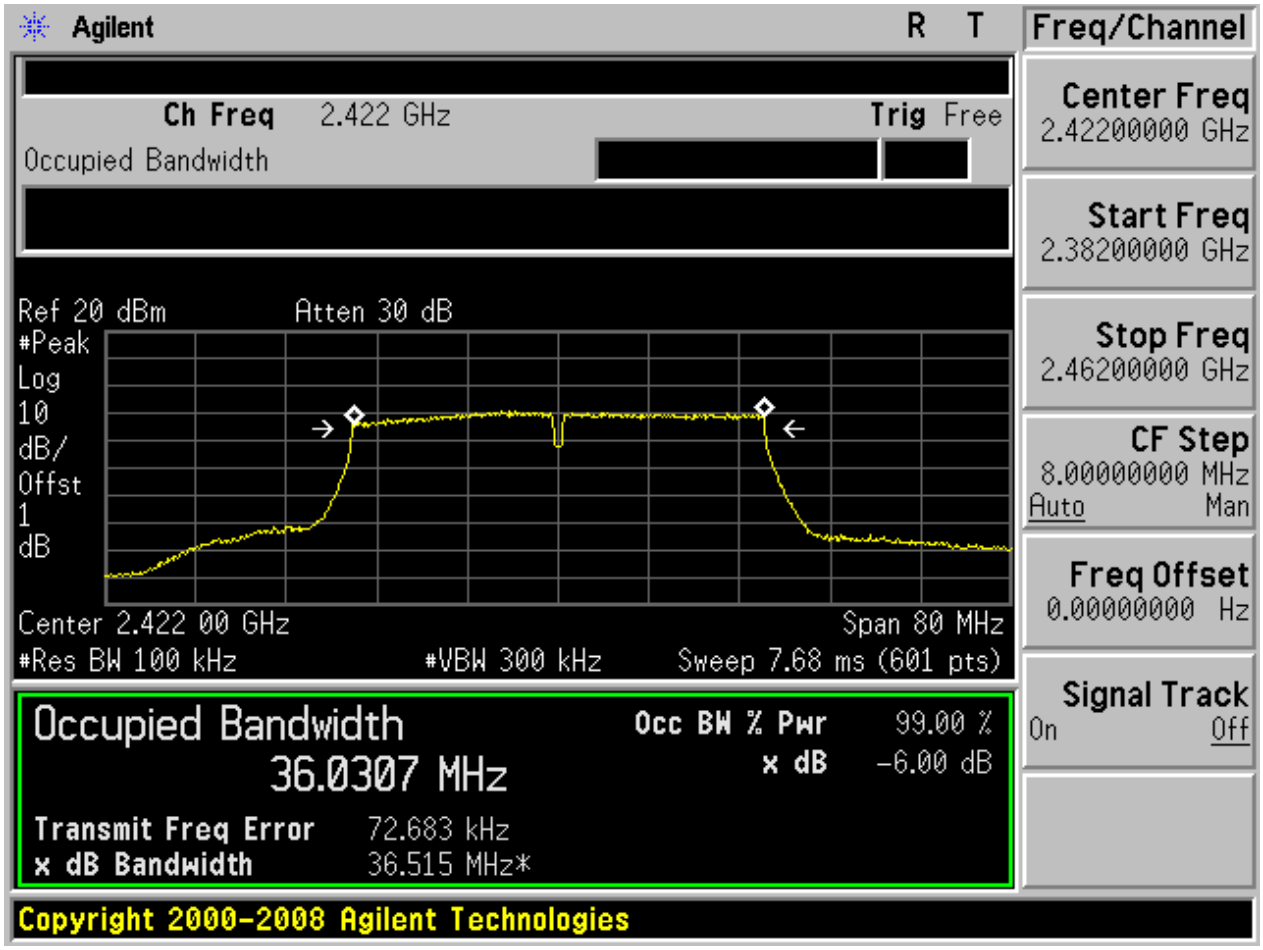

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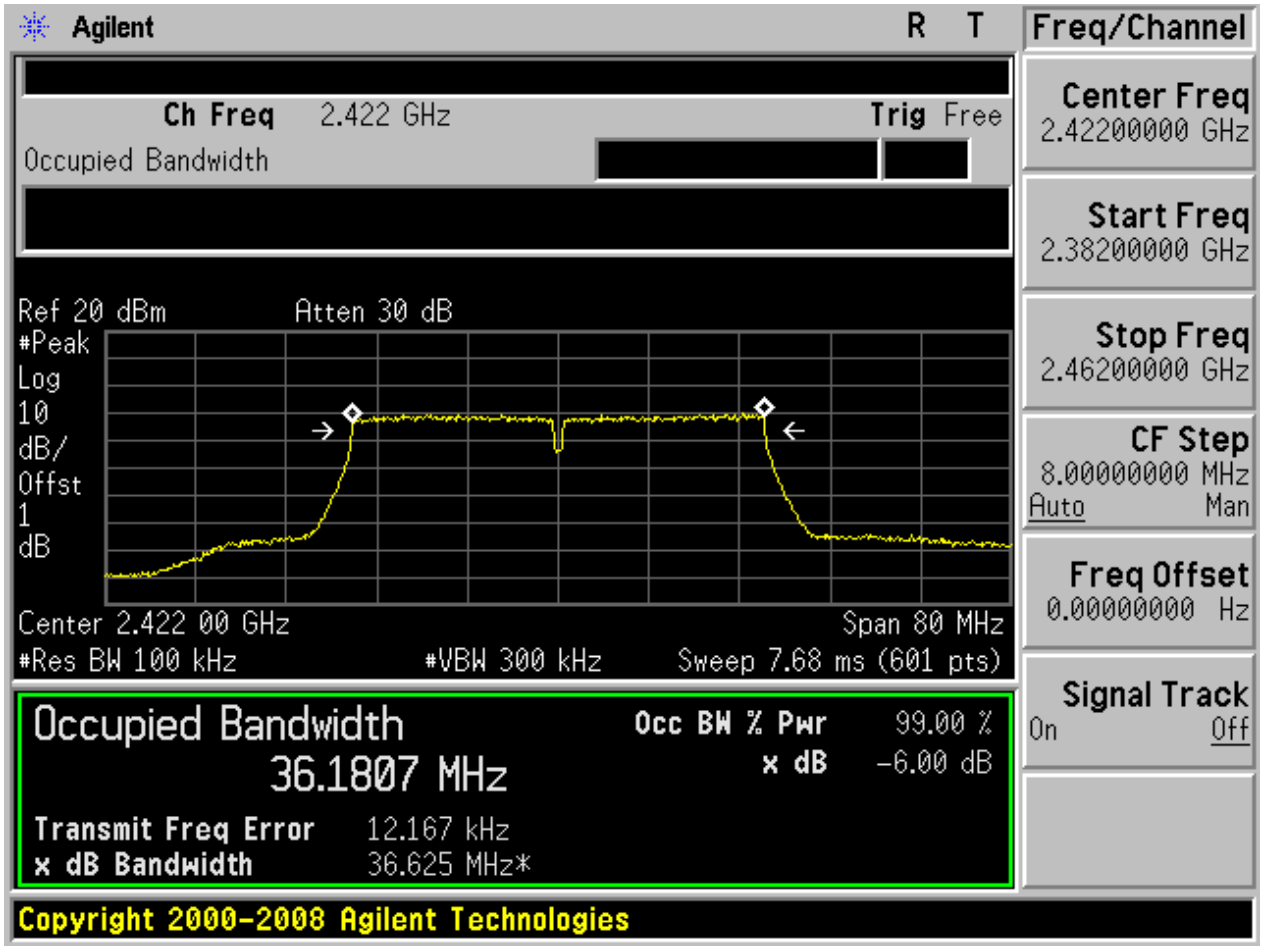

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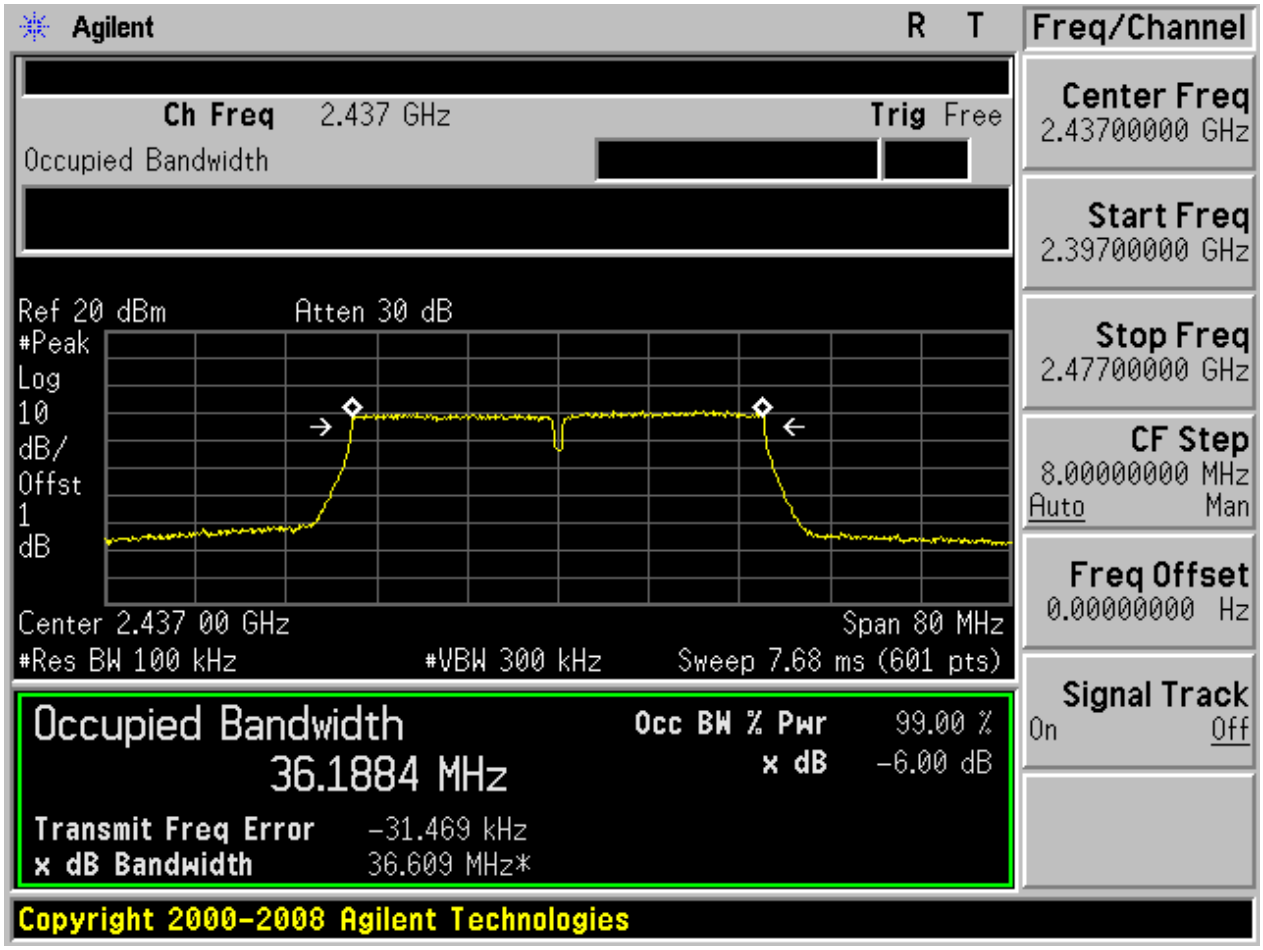

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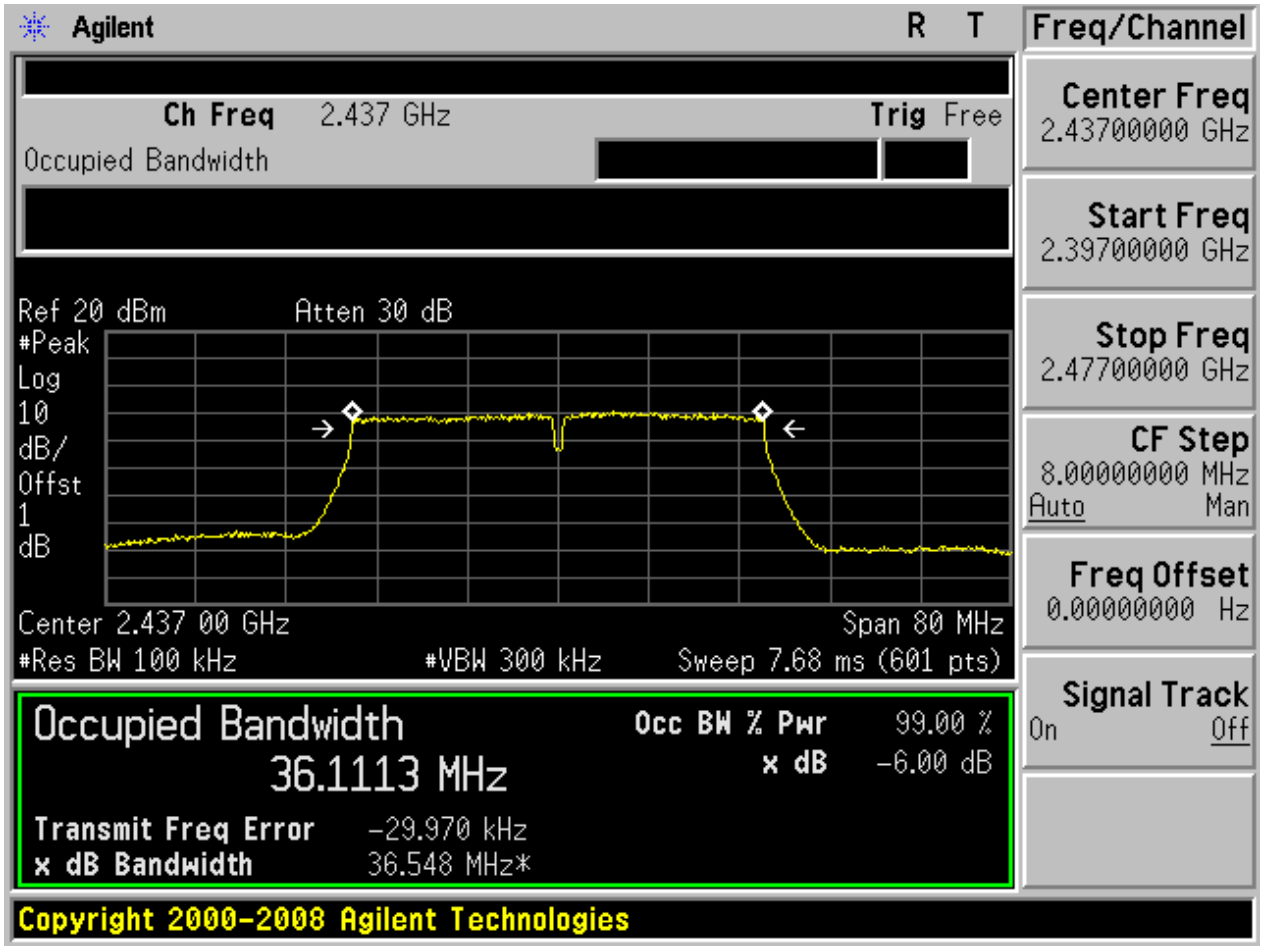

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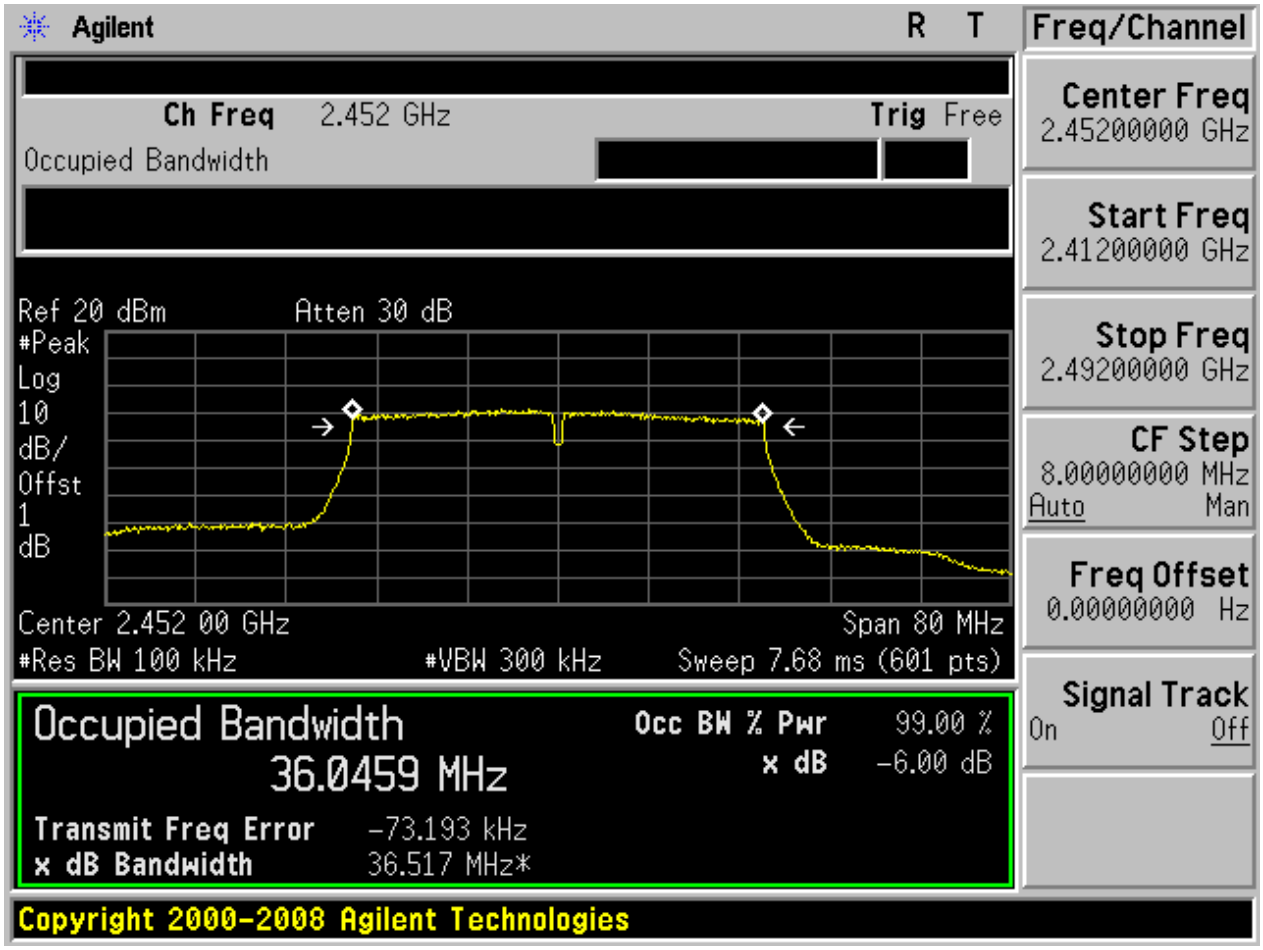

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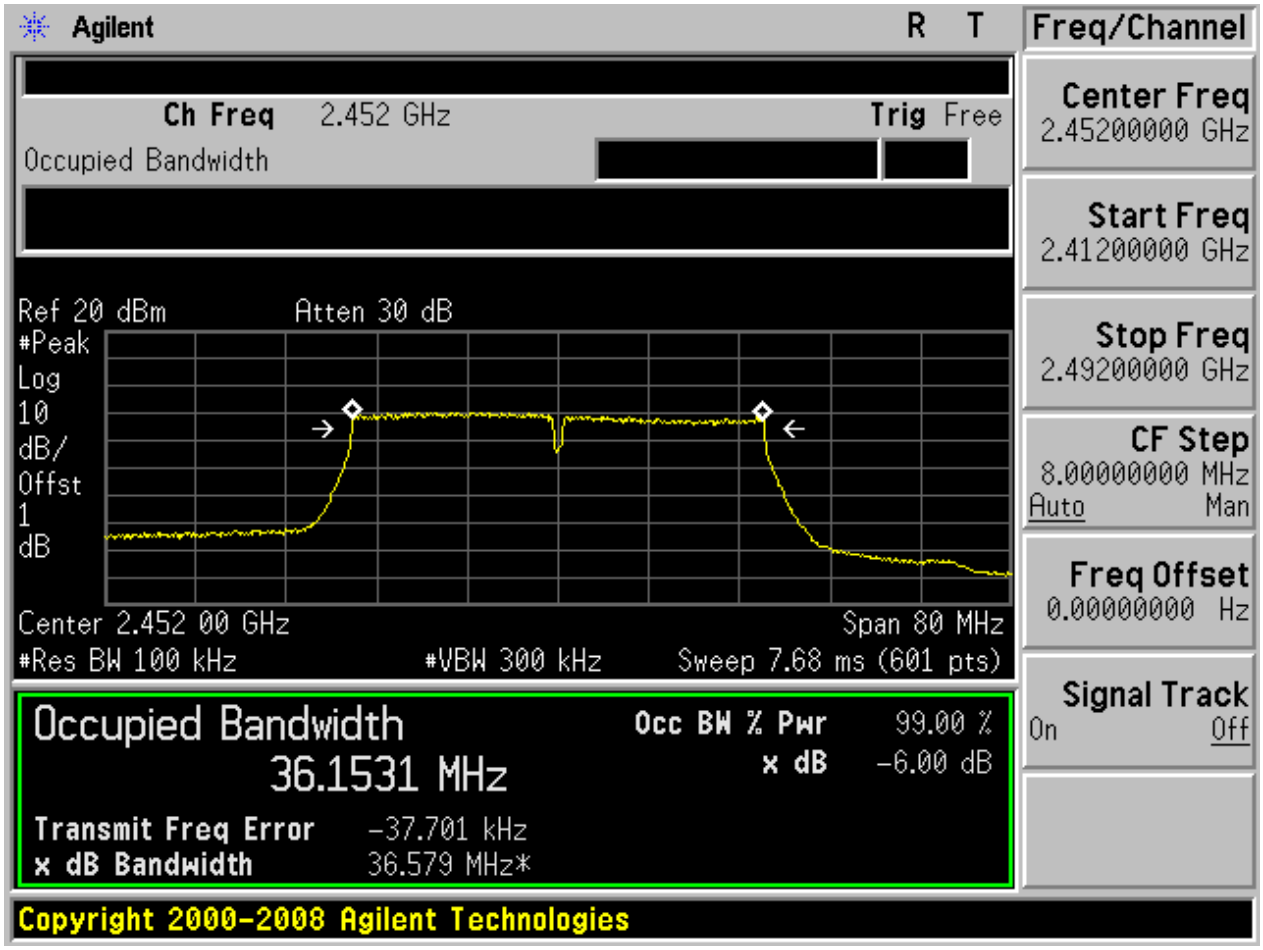

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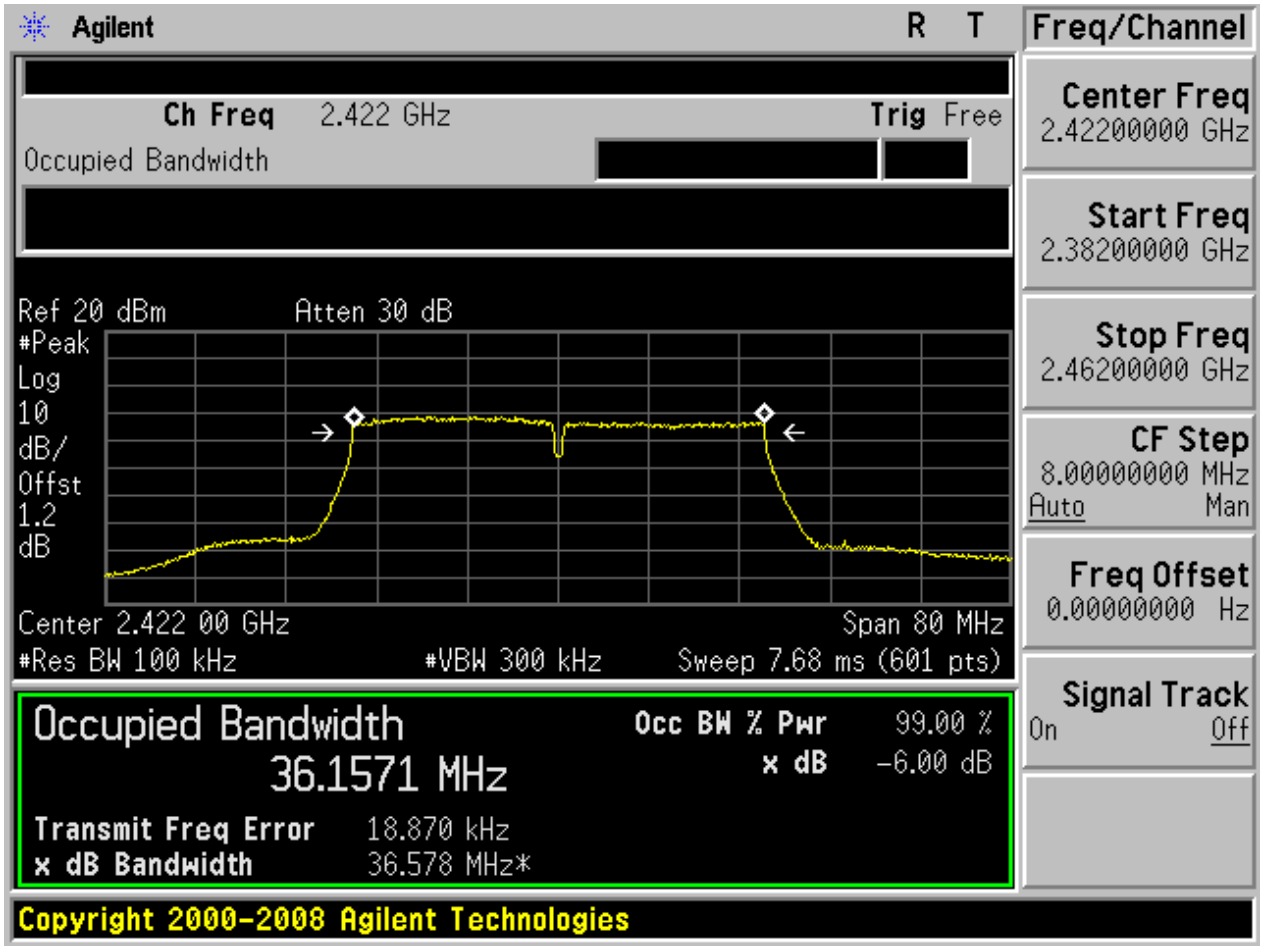

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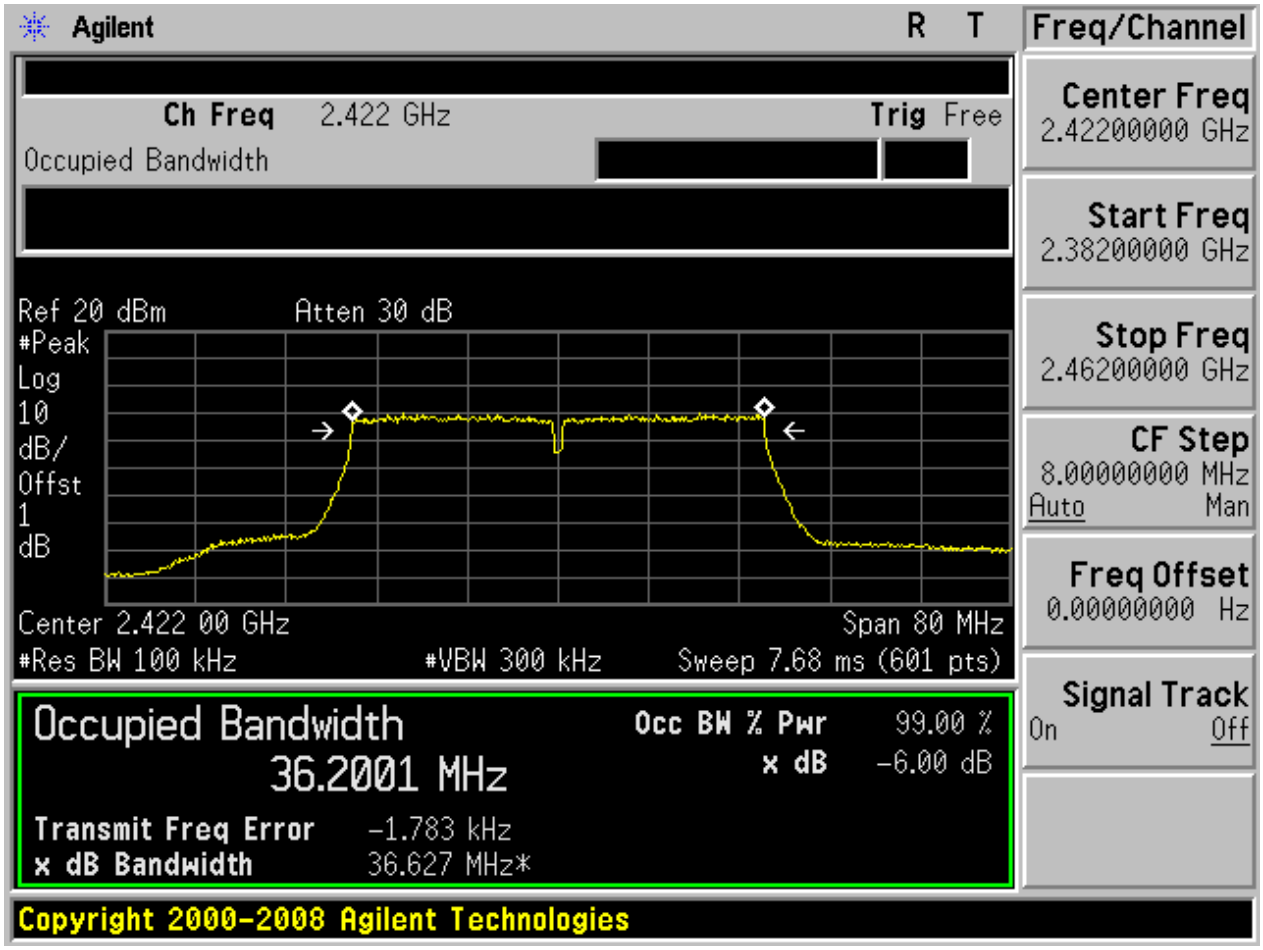

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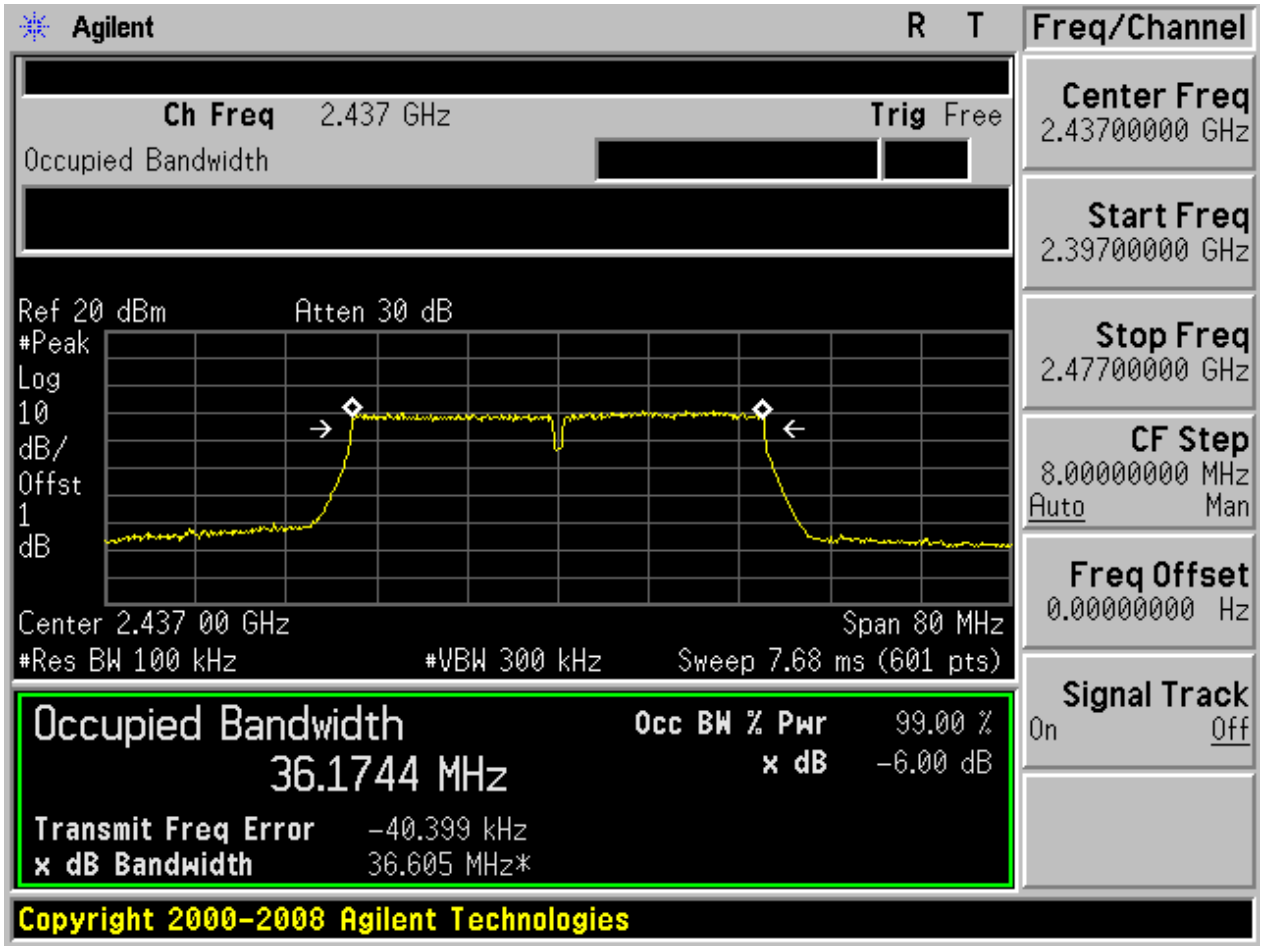

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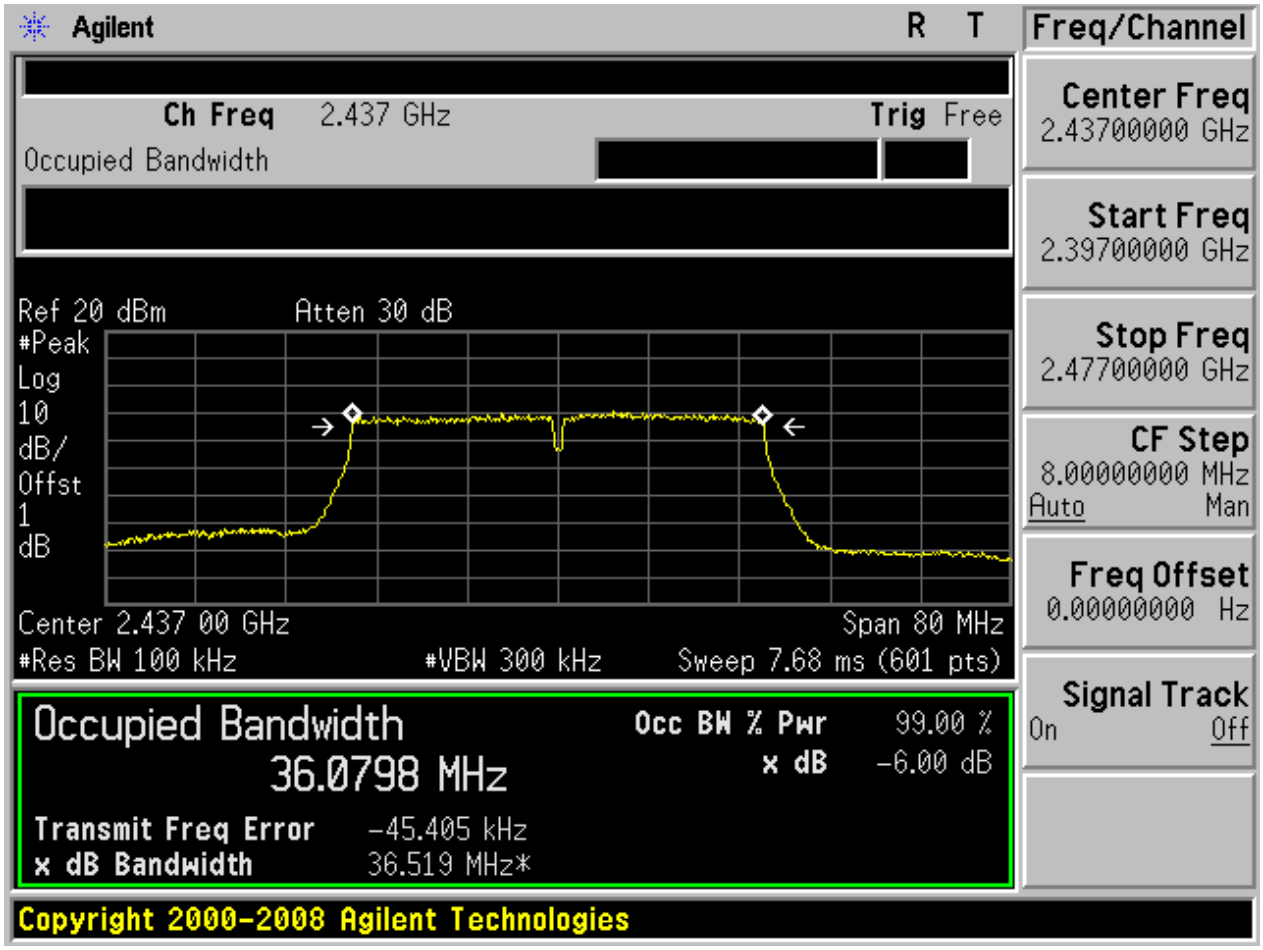

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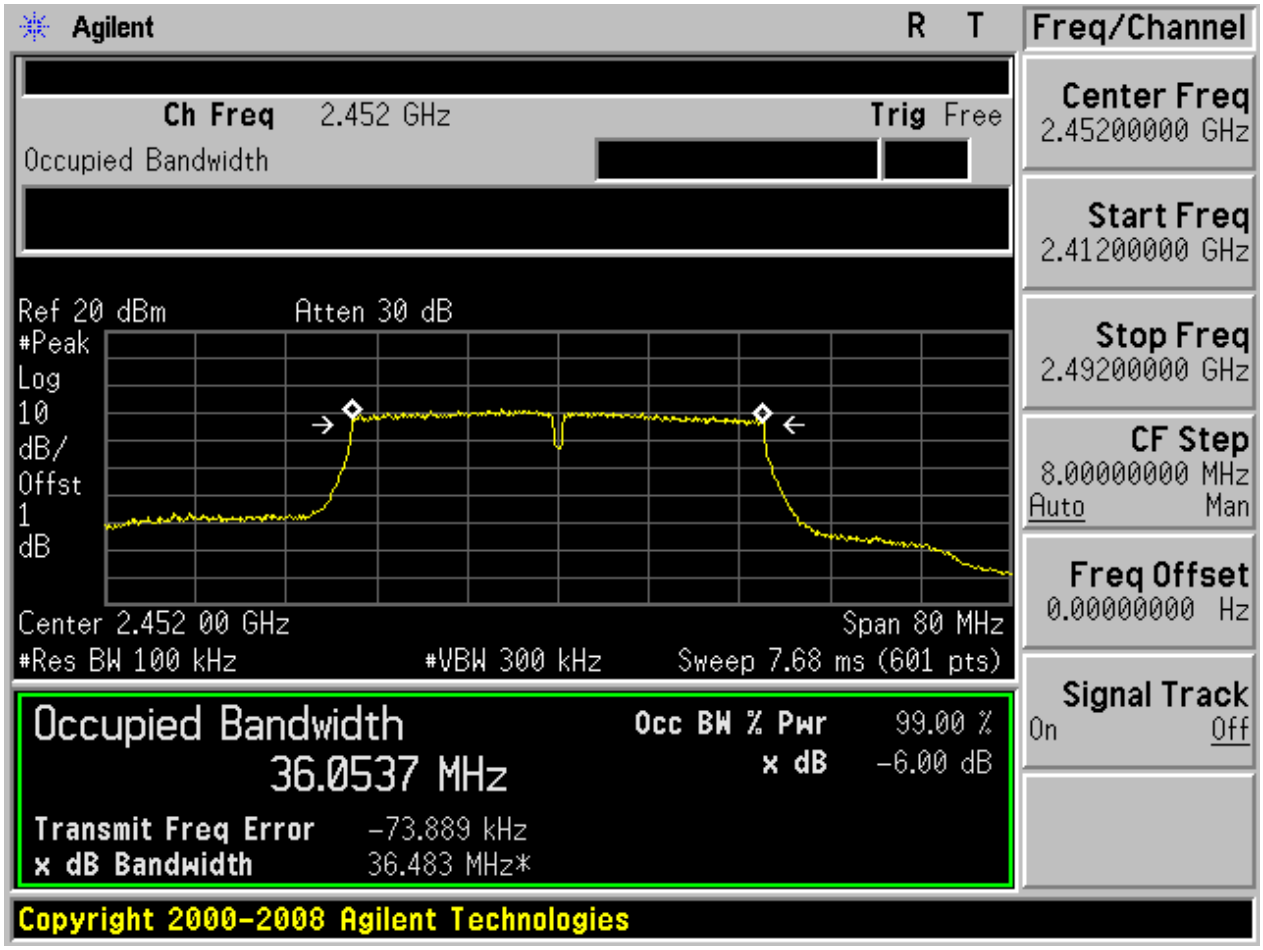

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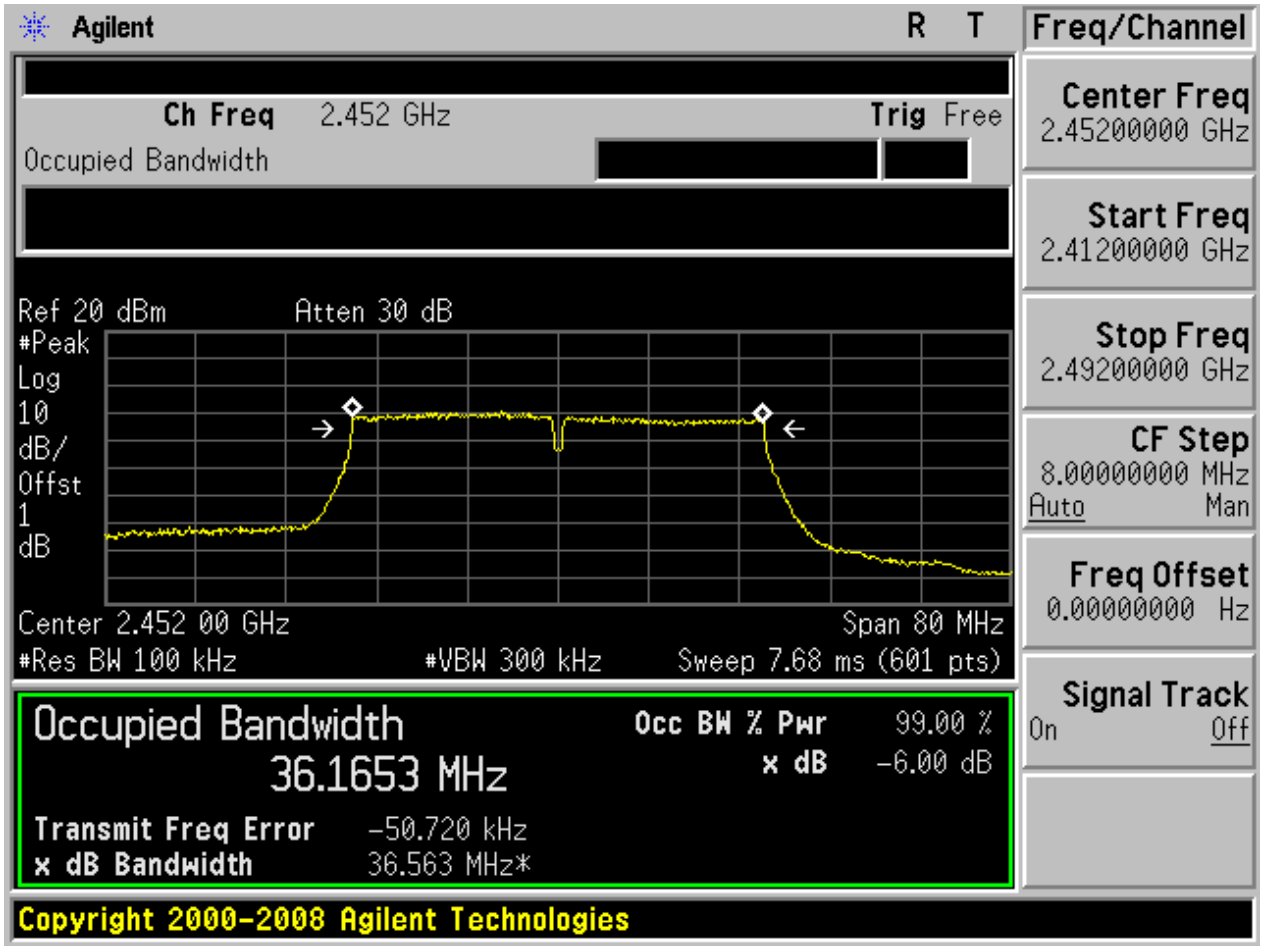

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Appendix B: Occupied Bandwidth

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11B	L	2412	Ant 1	11.08	pass
11B	L	2412	Ant 2	11.44	pass
11B	M	2437	Ant 1	11.56	pass
11B	M	2437	Ant 2	11.40	pass
11B	H	2462	Ant 1	11.26	pass
11B	H	2462	Ant 2	11.75	pass
11G	L	2412	Ant 1	16.48	pass
11G	L	2412	Ant 2	16.47	pass
11G	M	2437	Ant 1	16.56	pass
11G	M	2437	Ant 2	16.53	pass
11G	H	2462	Ant 1	16.54	pass
11G	H	2462	Ant 2	16.63	pass
11N20	L	2412	Ant 1	17.66	pass
11N20	L	2412	Ant 2	17.70	pass
11N20	M	2437	Ant 1	17.75	pass
11N20	M	2437	Ant 2	17.72	pass
11N20	H	2462	Ant 1	17.73	pass
11N20	H	2462	Ant 2	17.80	pass
11N20m	L	2412	Ant 1	17.69	pass
11N20m	L	2412	Ant 2	17.71	pass
11N20m	M	2437	Ant 1	17.70	pass
11N20m	M	2437	Ant 2	17.67	pass
11N20m	H	2462	Ant 1	17.69	pass
11N20m	H	2462	Ant 2	17.77	pass
11N40	L	2422	Ant 1	36.03	pass
11N40	L	2422	Ant 2	36.24	pass
11N40	M	2437	Ant 1	36.21	pass
11N40	M	2437	Ant 2	36.08	pass
11N40	H	2452	Ant 1	36.02	pass
11N40	H	2452	Ant 2	36.09	pass
11N40m	L	2422	Ant 1	36.08	pass
11N40m	L	2422	Ant 2	36.22	pass
11N40m	M	2437	Ant 1	36.21	pass
11N40m	M	2437	Ant 2	36.06	pass

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Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11N40m	H	2452	Ant 1	36.03	pass
11N40m	H	2452	Ant 2	36.16	pass

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Part II - Test Plots

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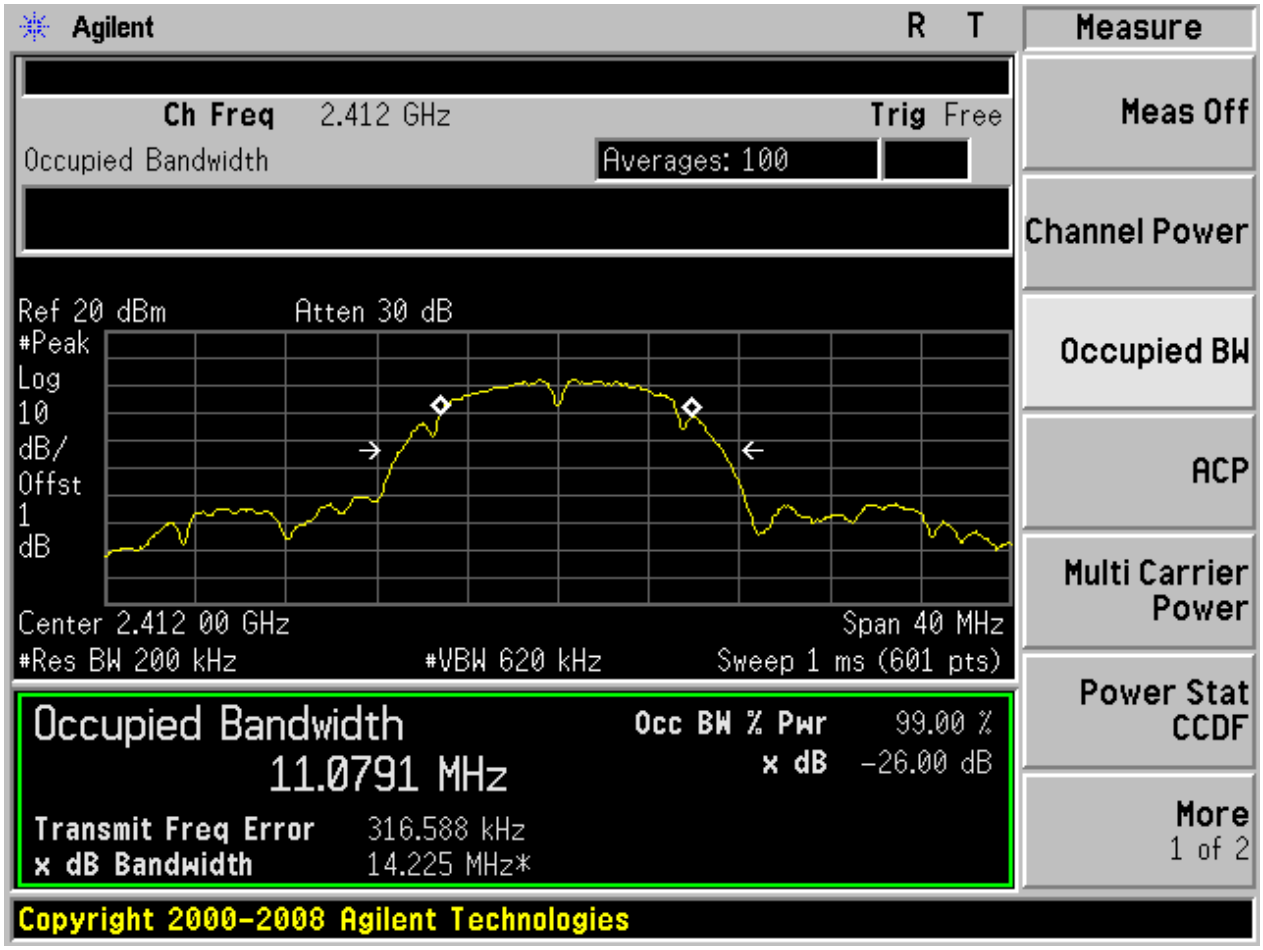

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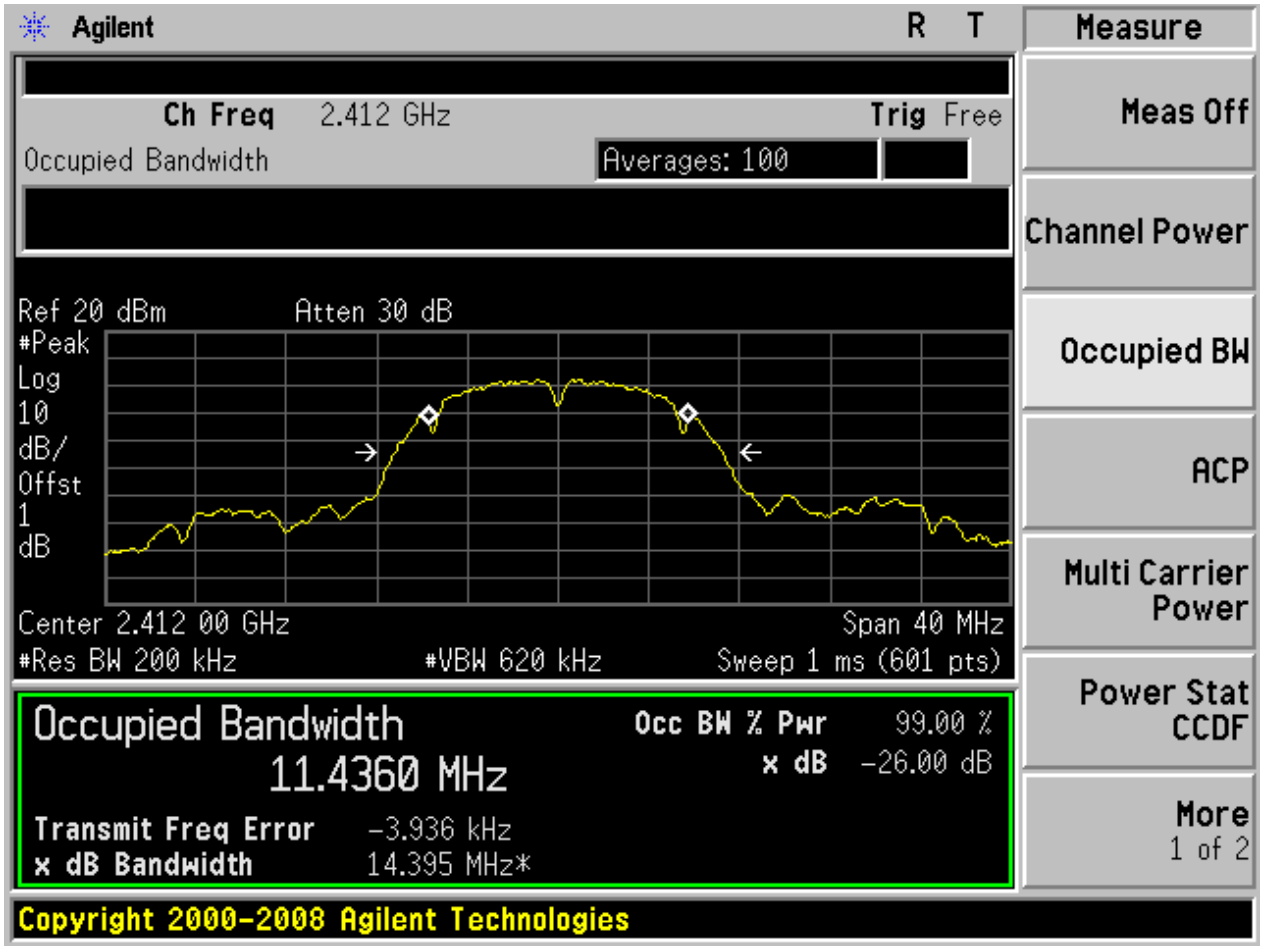

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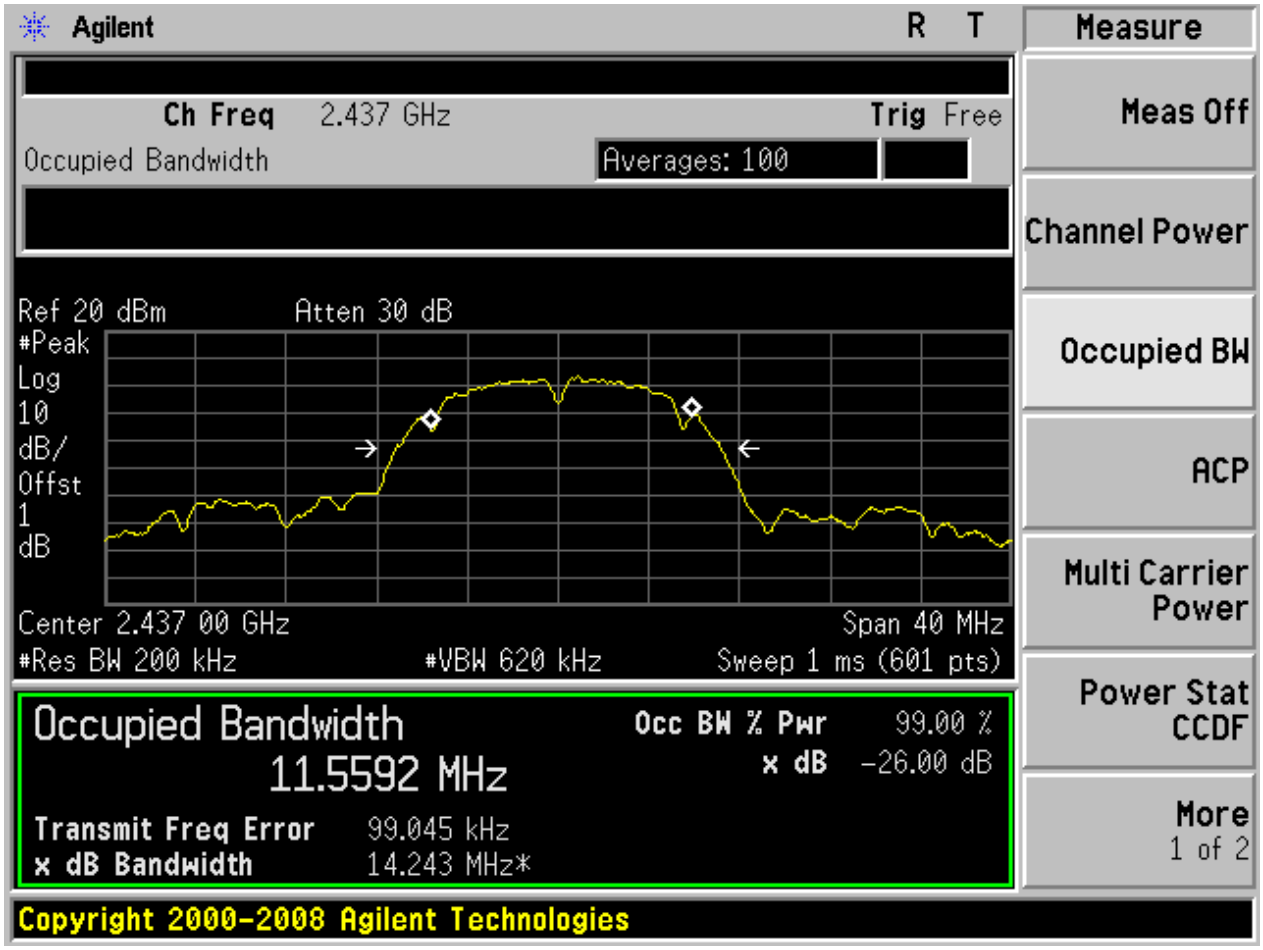
2.3 11B_M@Ant 1



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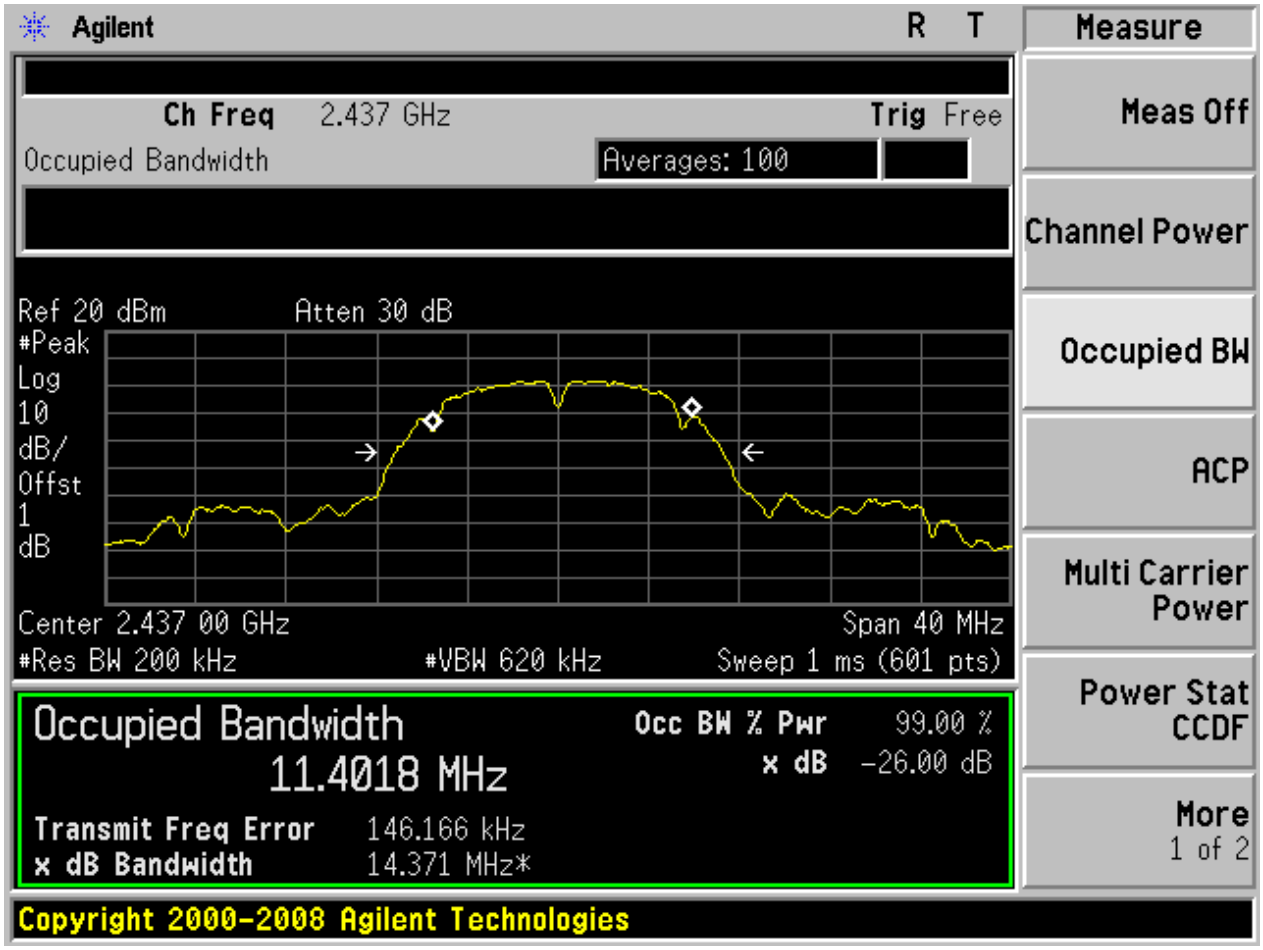
2.4 11B_M@Ant 2



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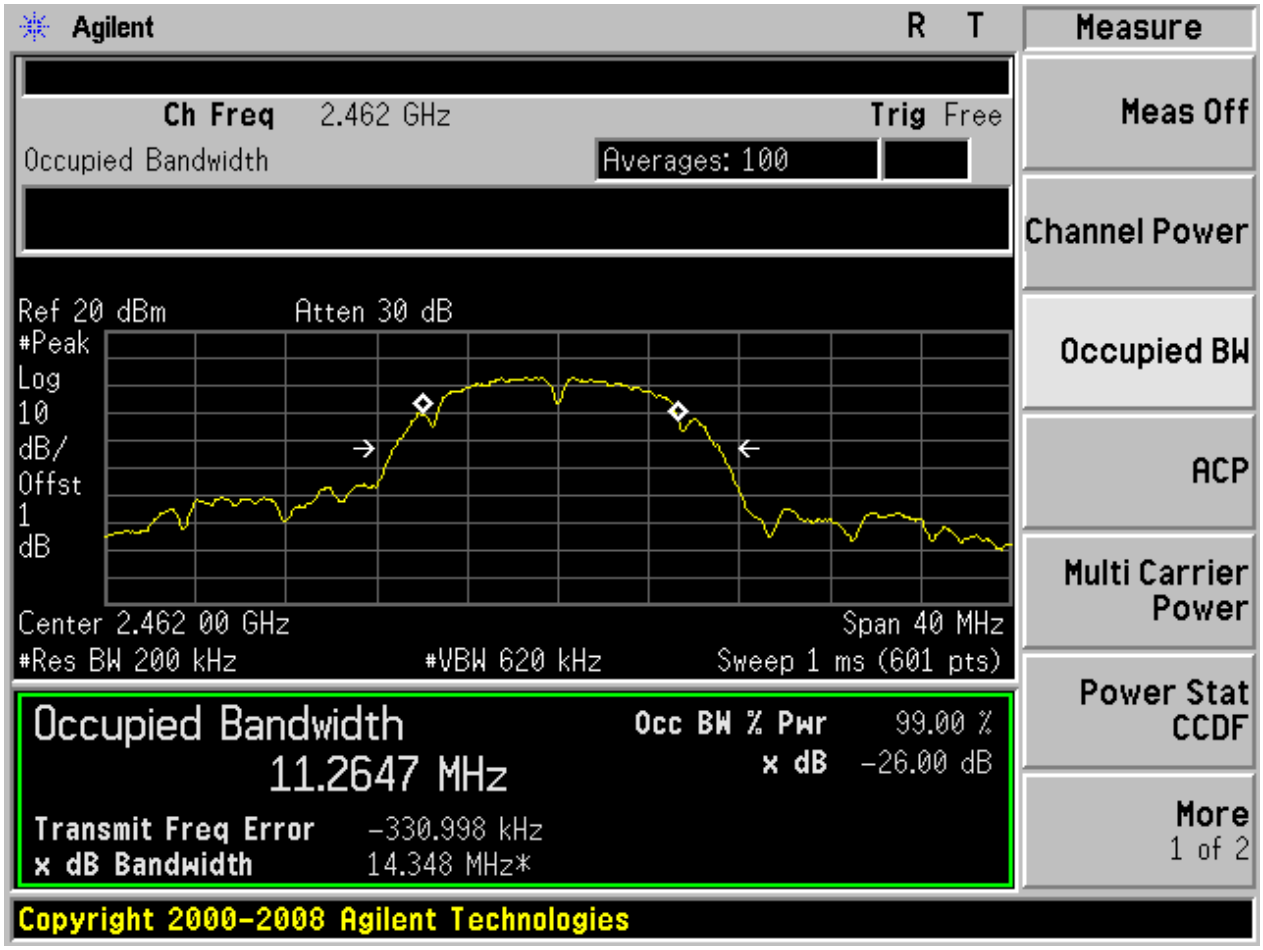
2.5 11B_H@Ant 1



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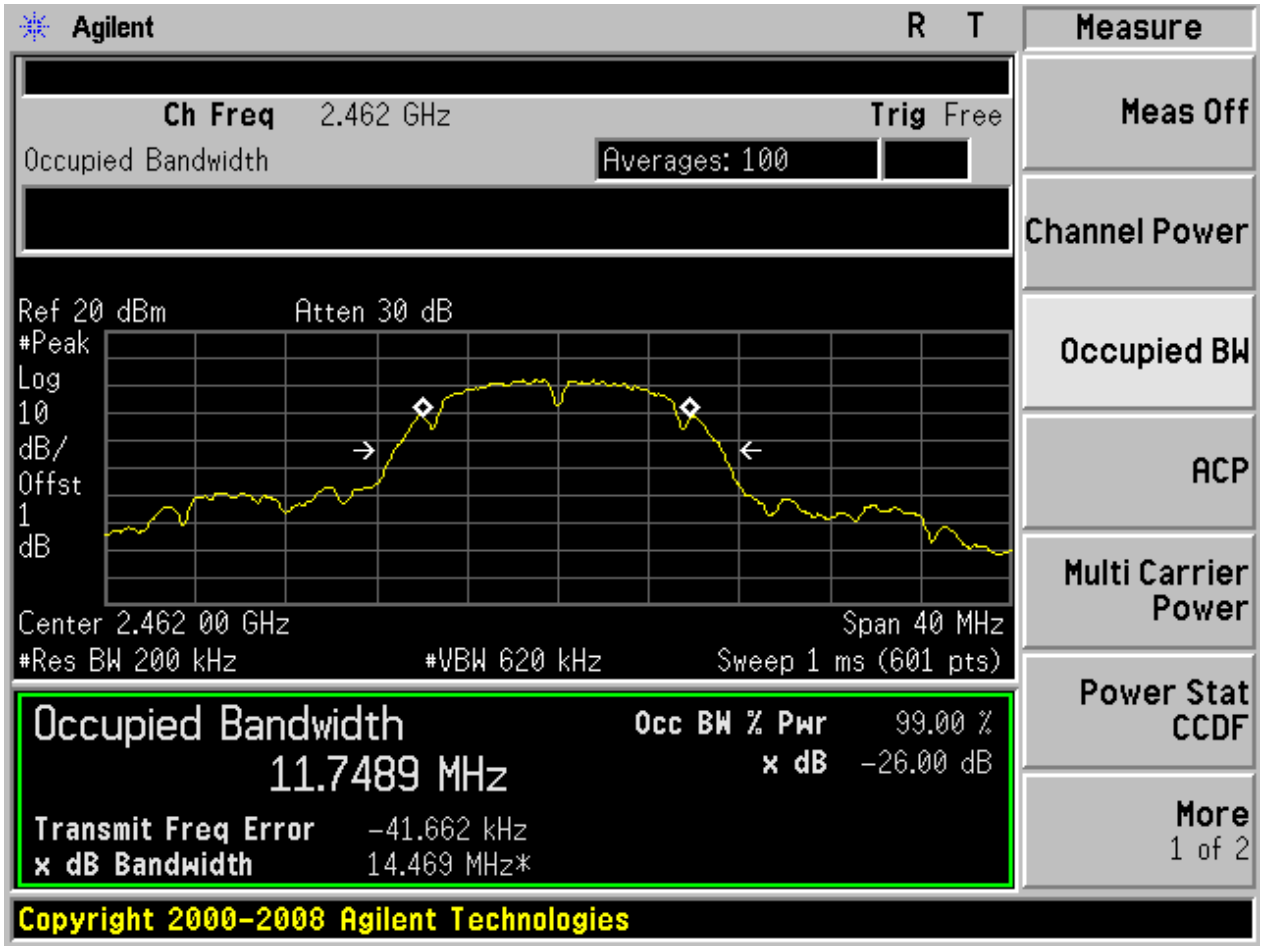
2.6 11B_H@Ant 2



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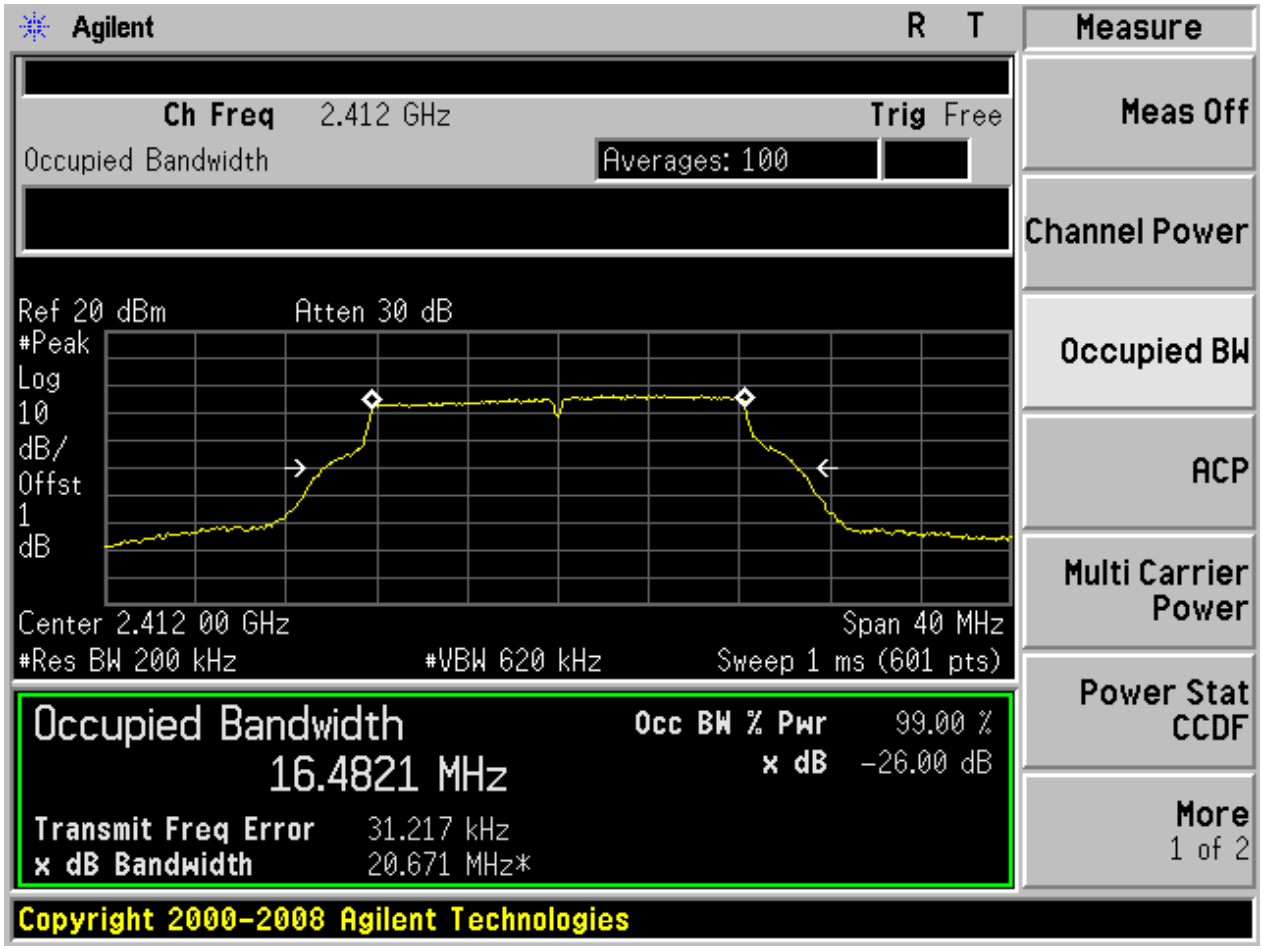
2.7 11G_L@Ant 1



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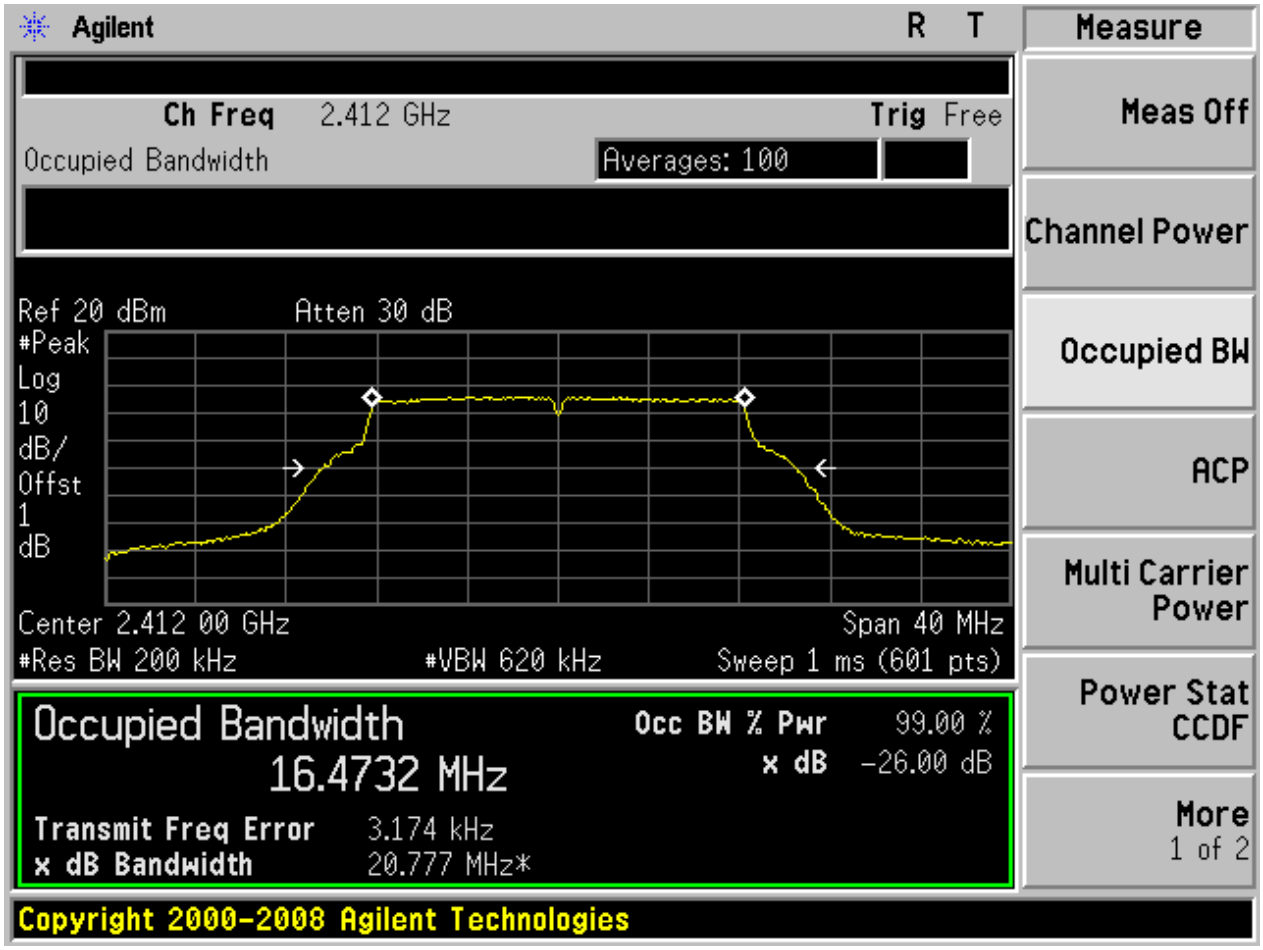
2.8 11G_L@Ant 2



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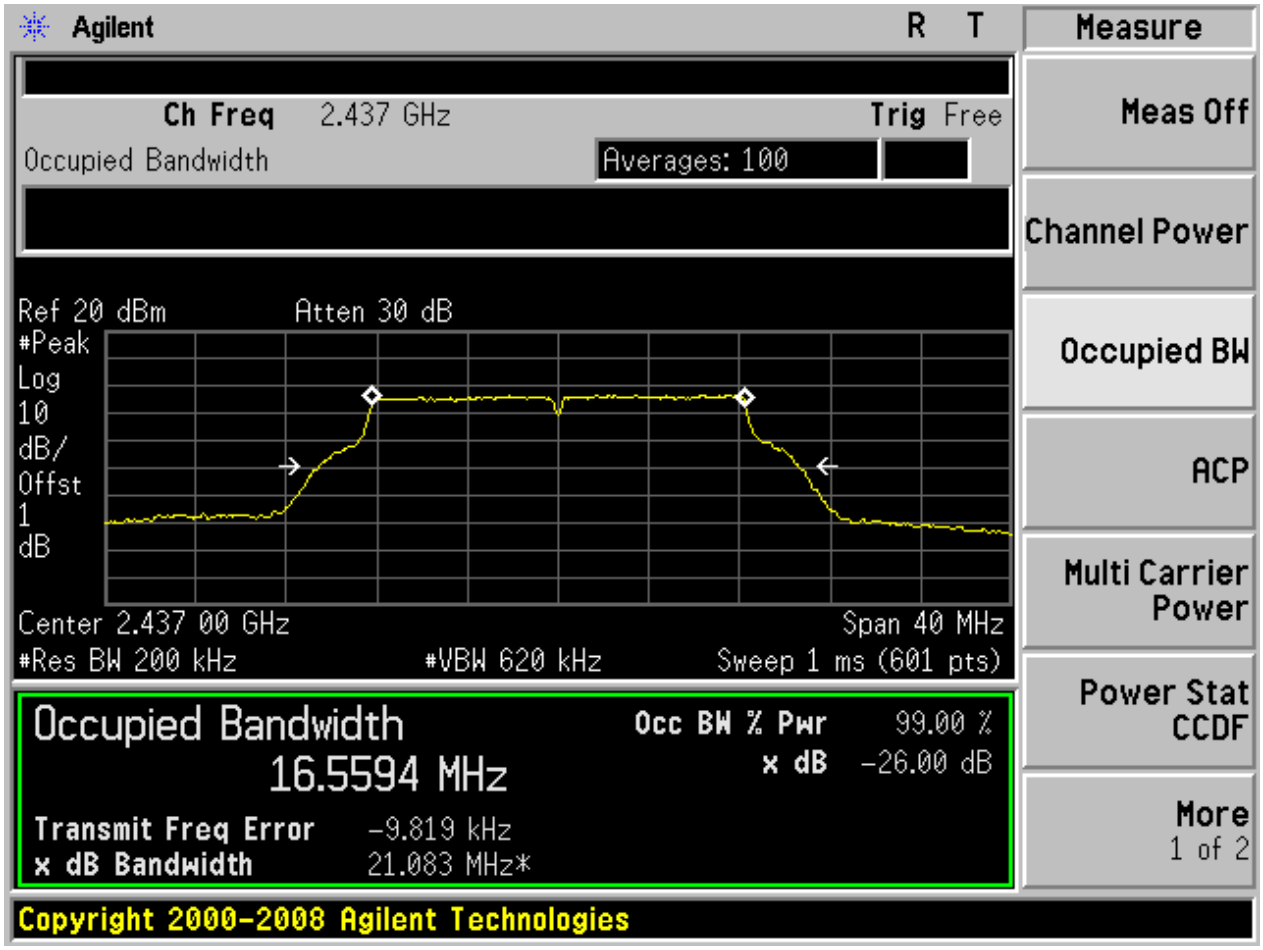
2.9 11G_M@Ant 1



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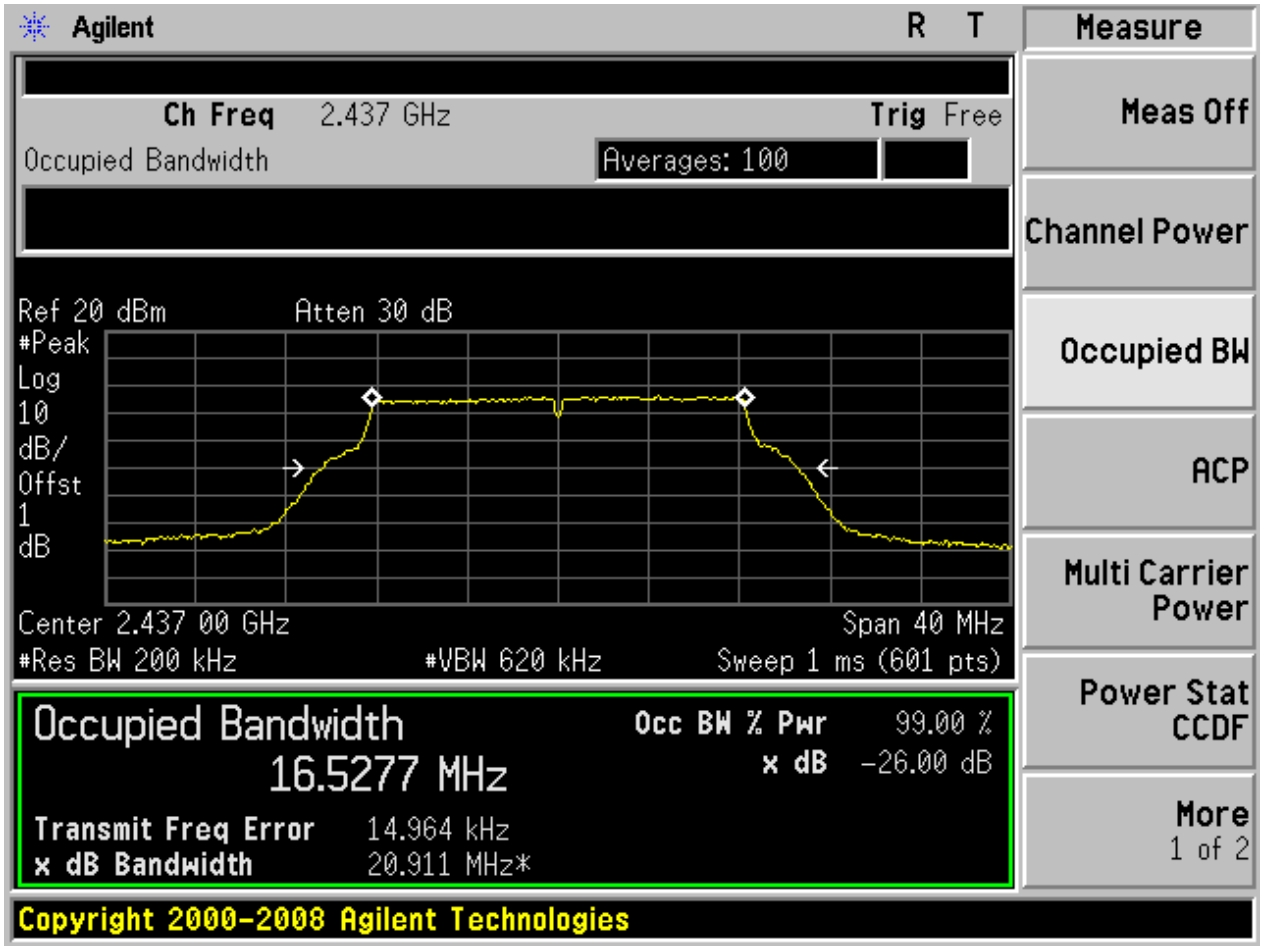
2.10 11G_M@Ant 2



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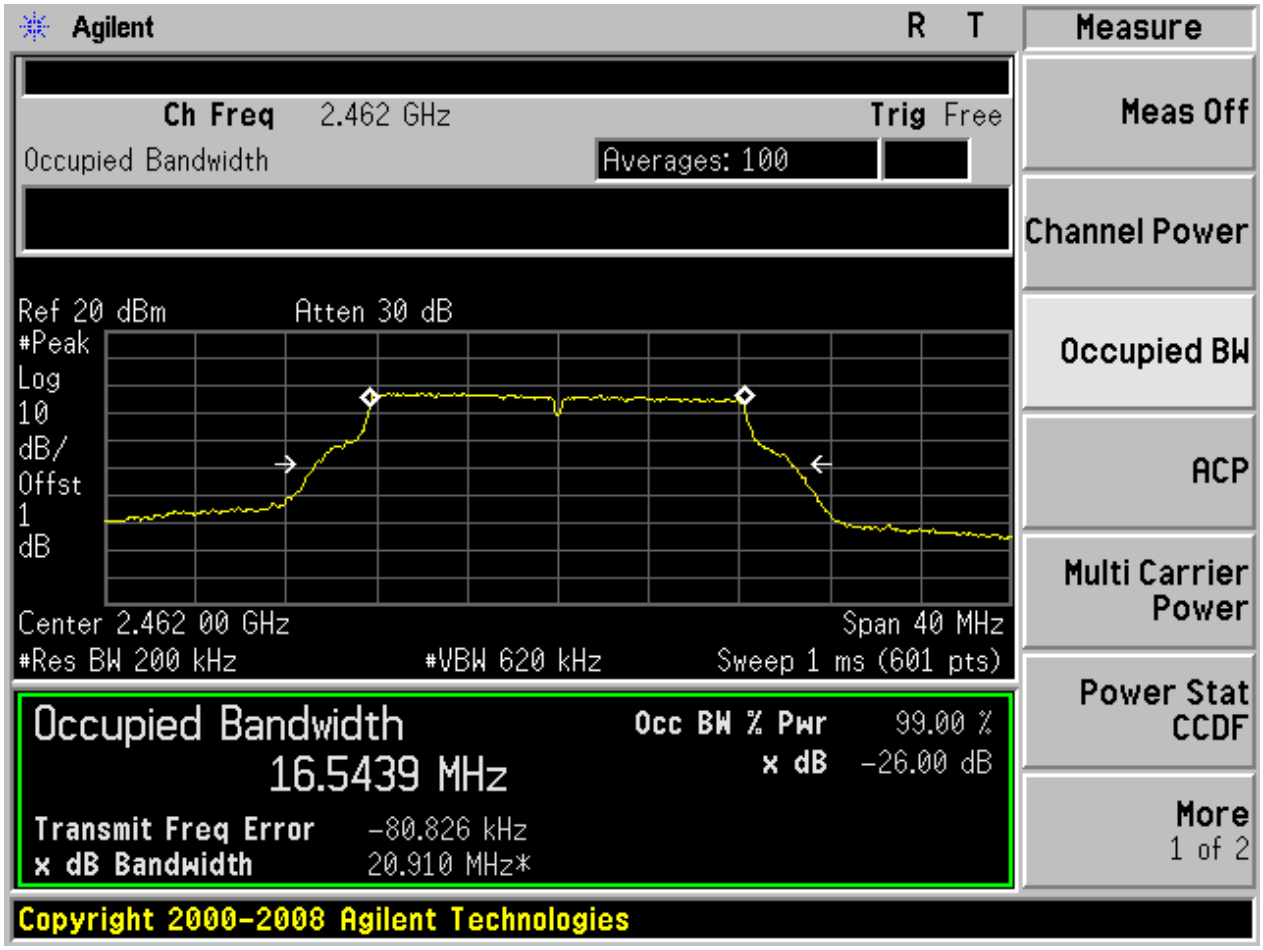
2.11 11G_H@Ant 1



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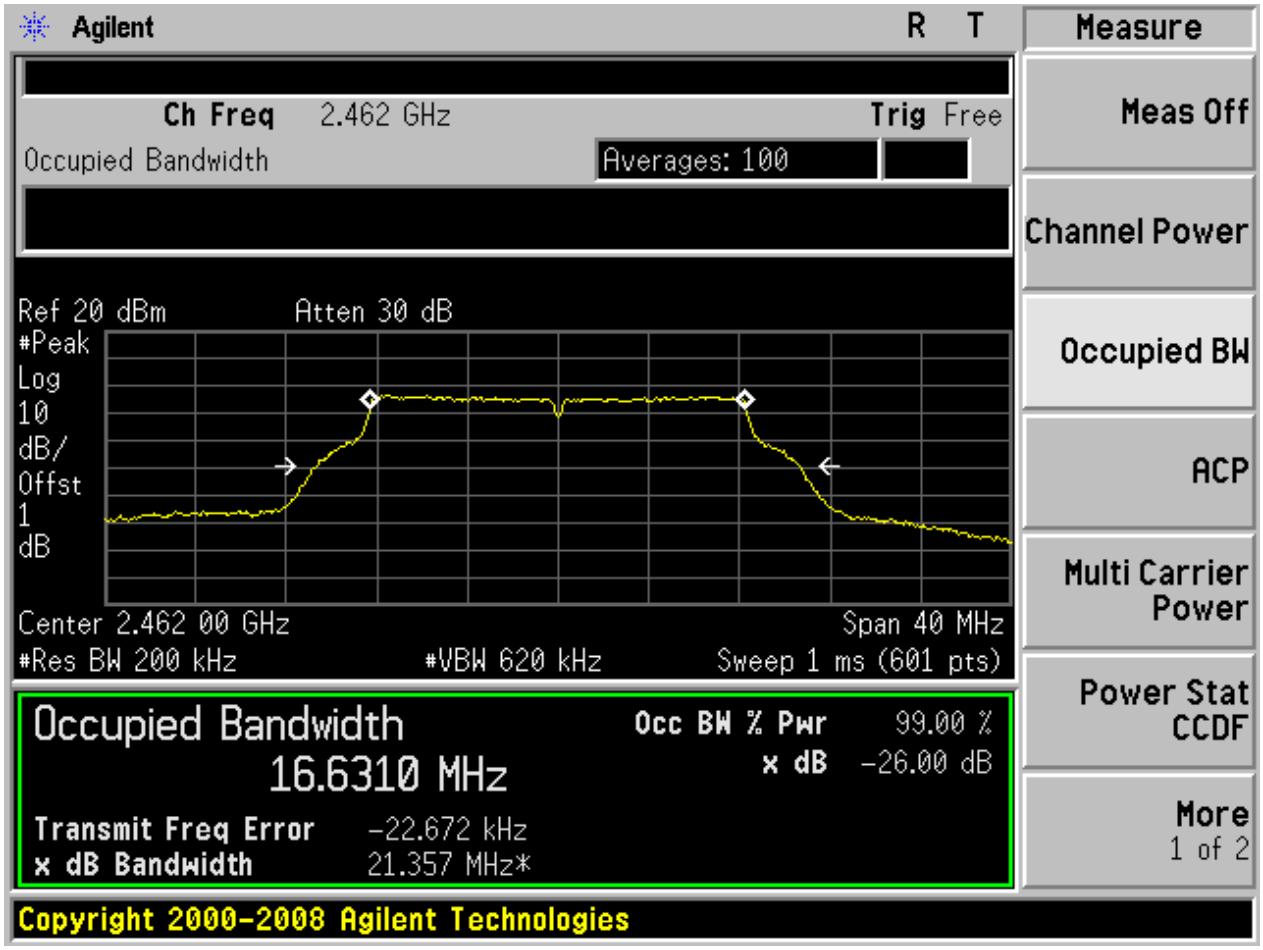
2.12 11G_H@Ant 2



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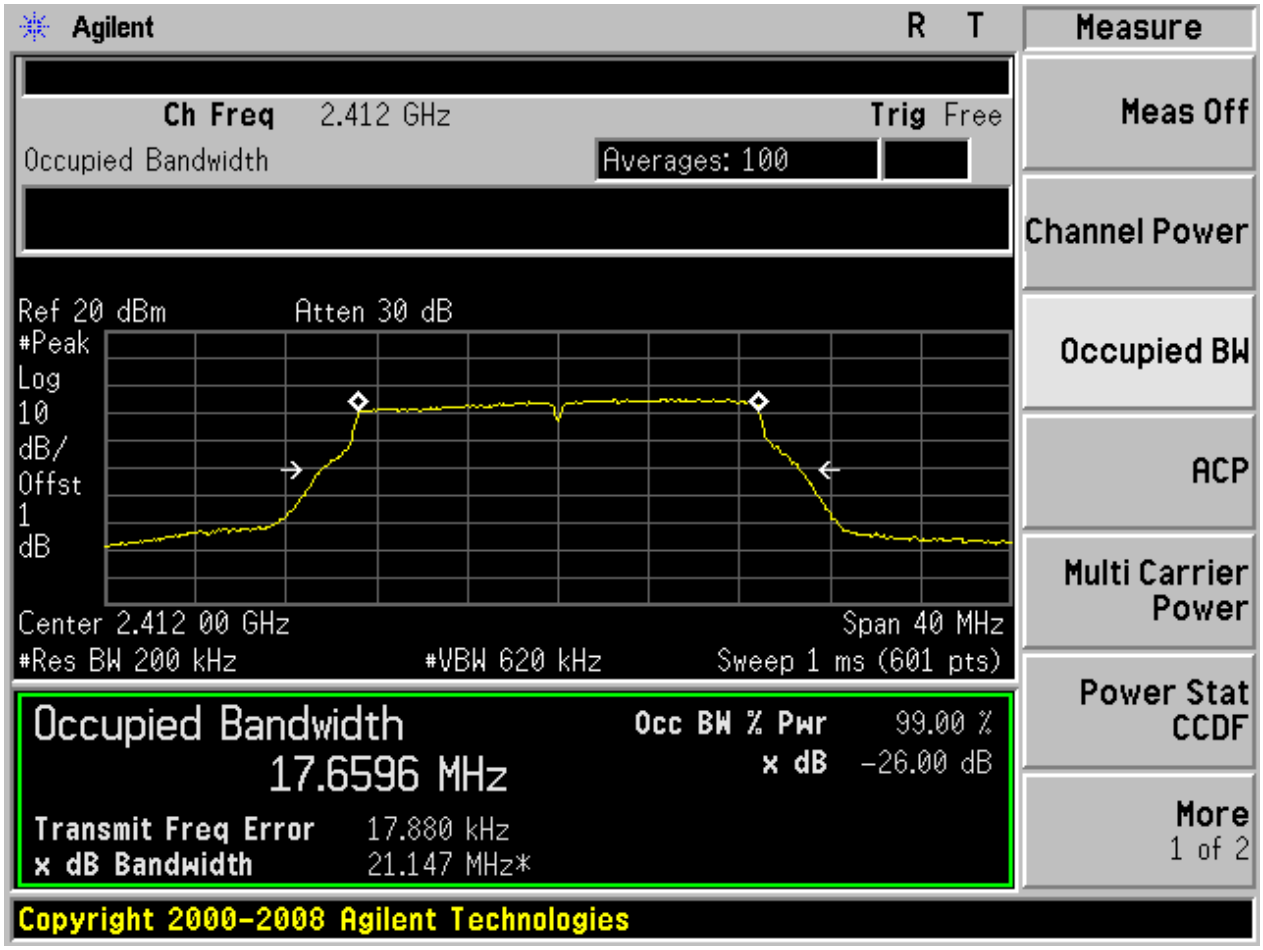
2.13 11N20_L@Ant 1



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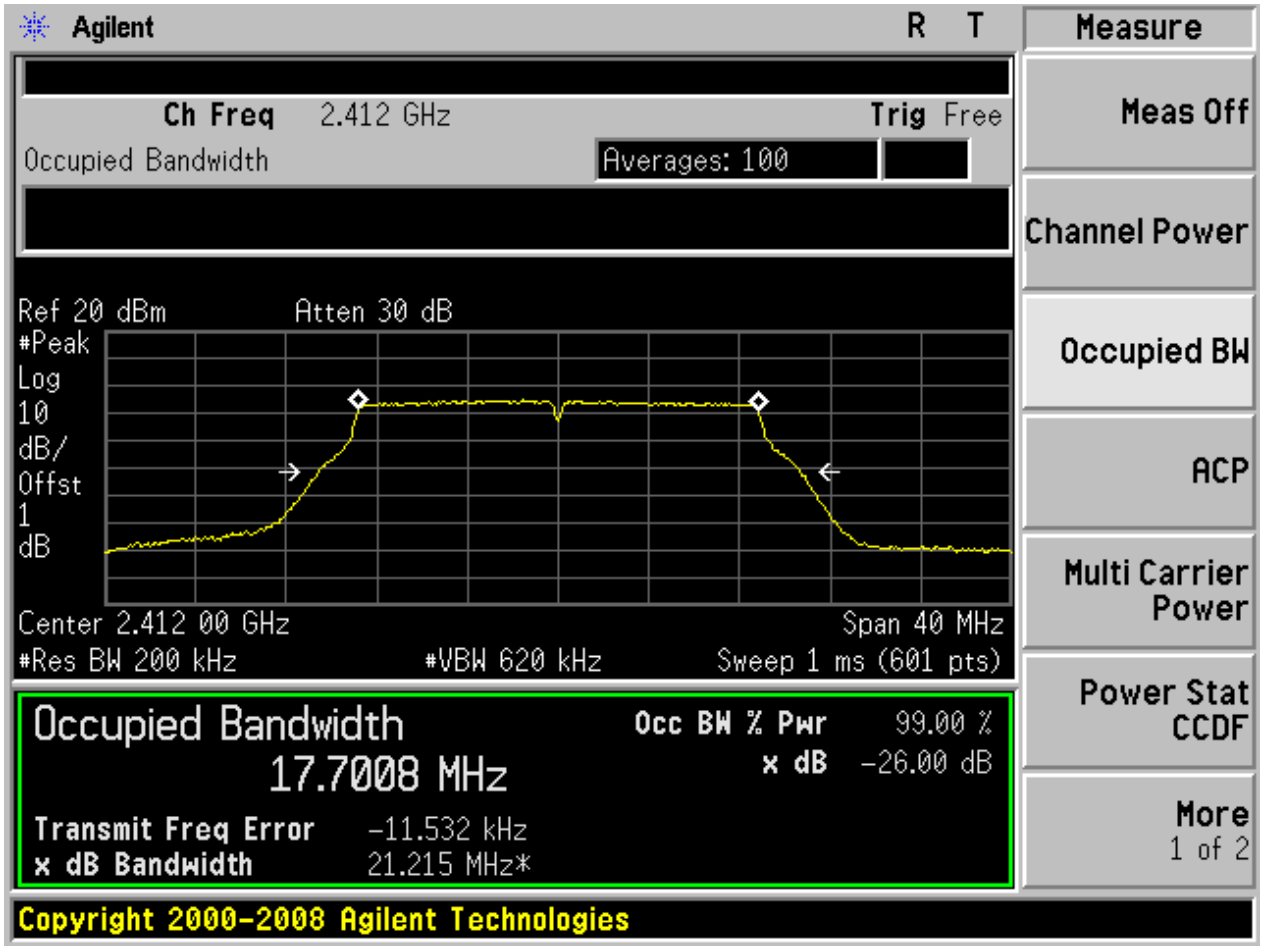
2.14 11N20_L@Ant 2



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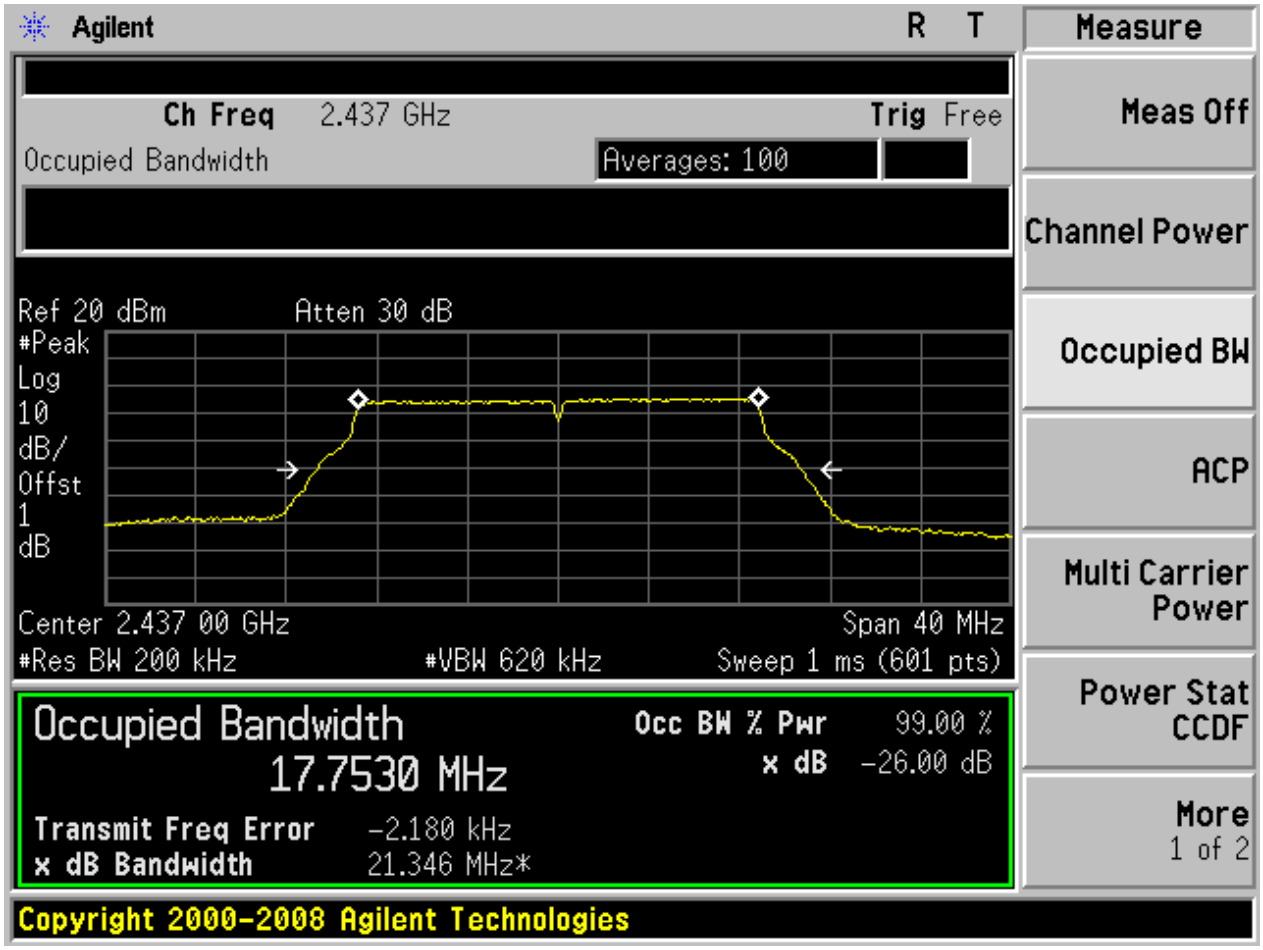

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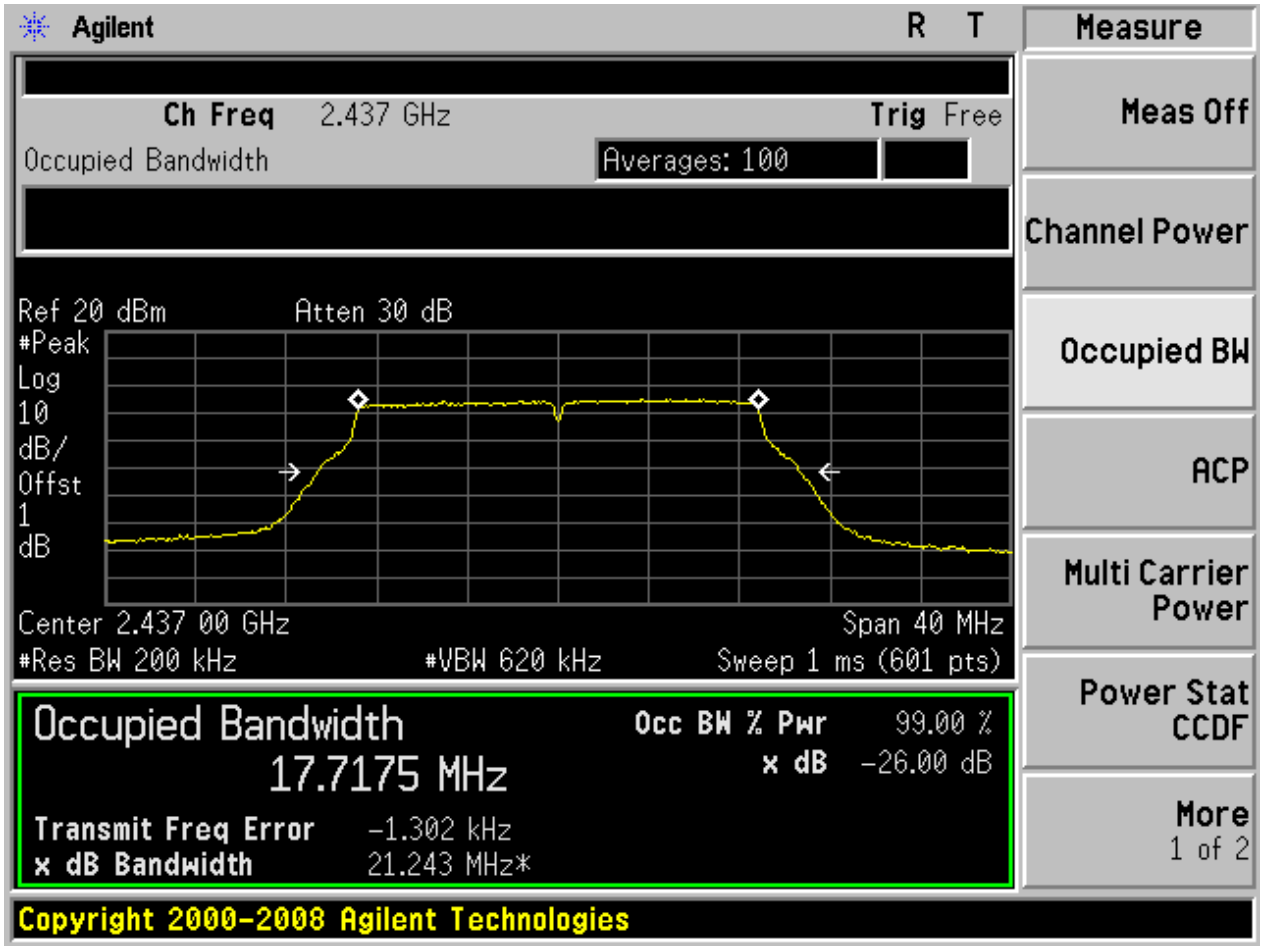

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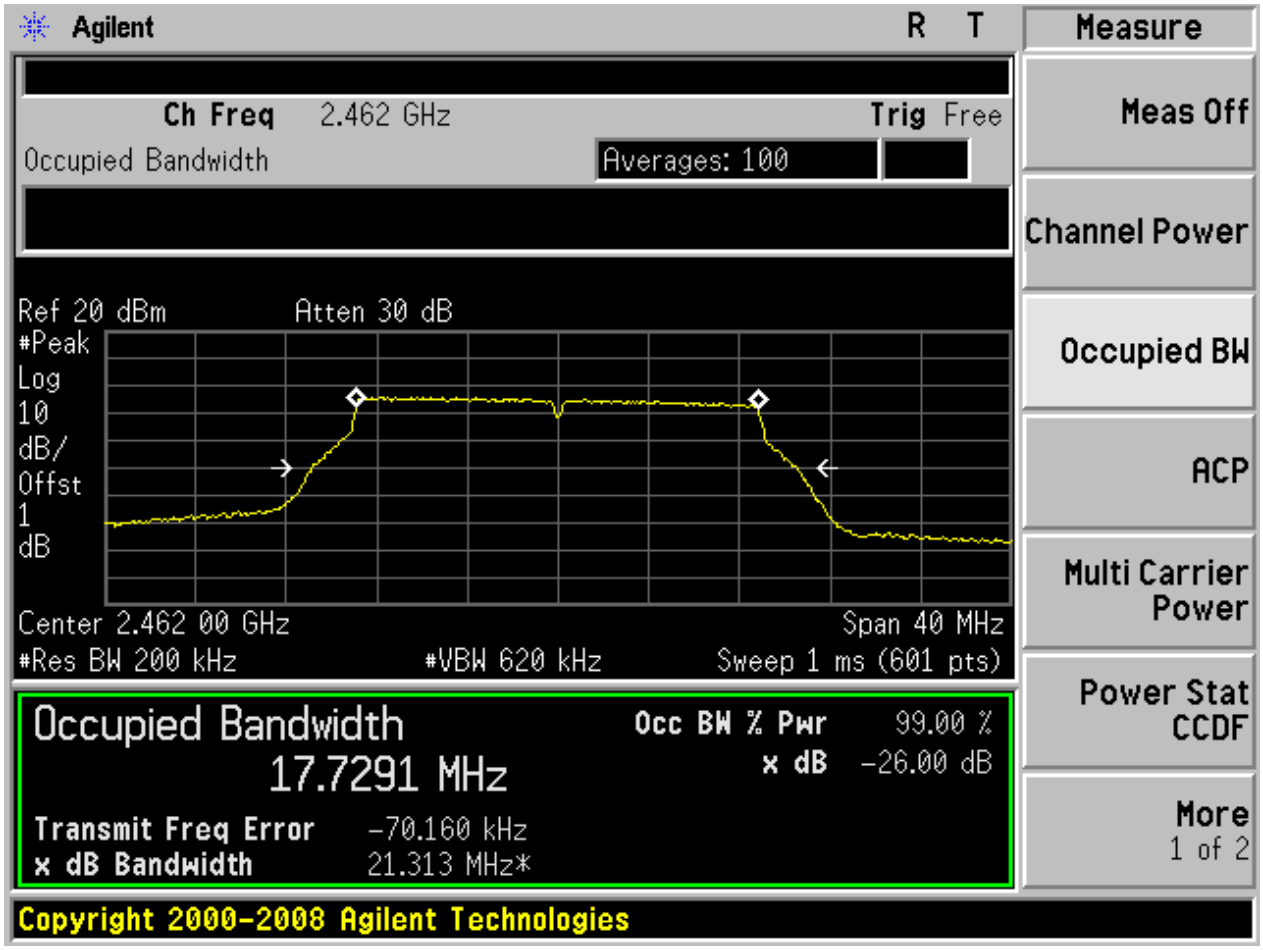
2.17 11N20_H@Ant 1



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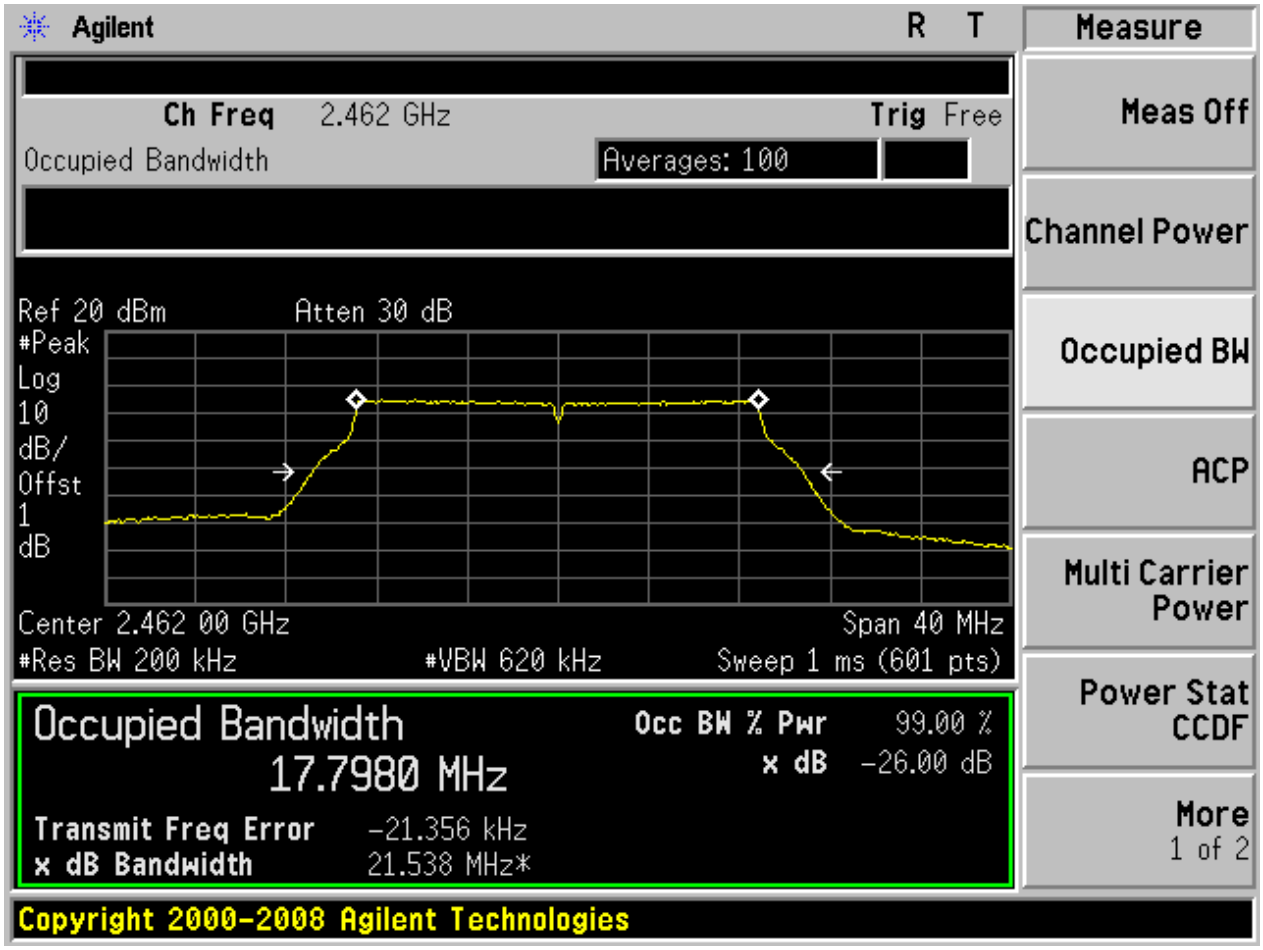
2.18 11N20_H@Ant 2



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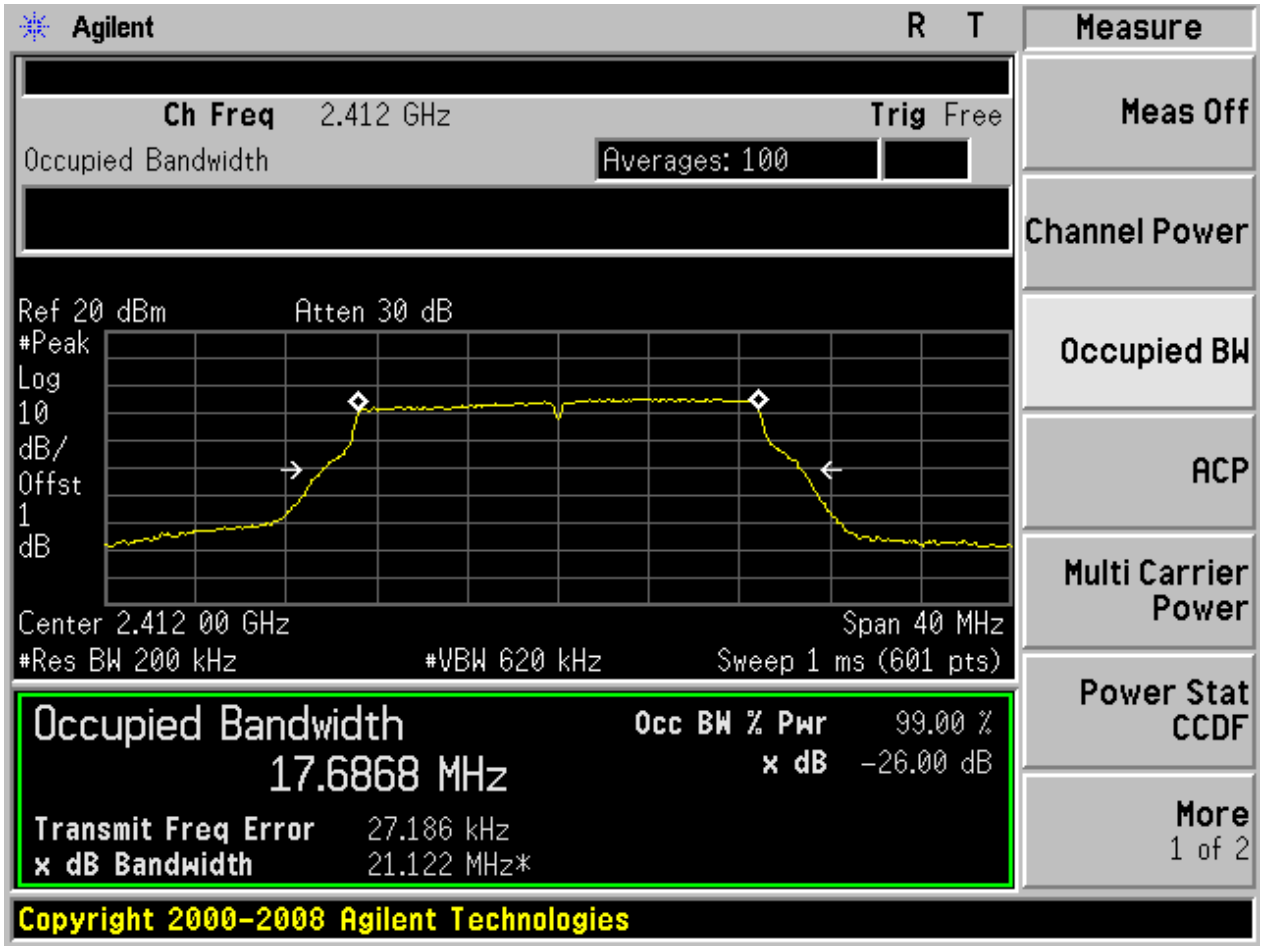
2.19 11N20m_L@Ant 1



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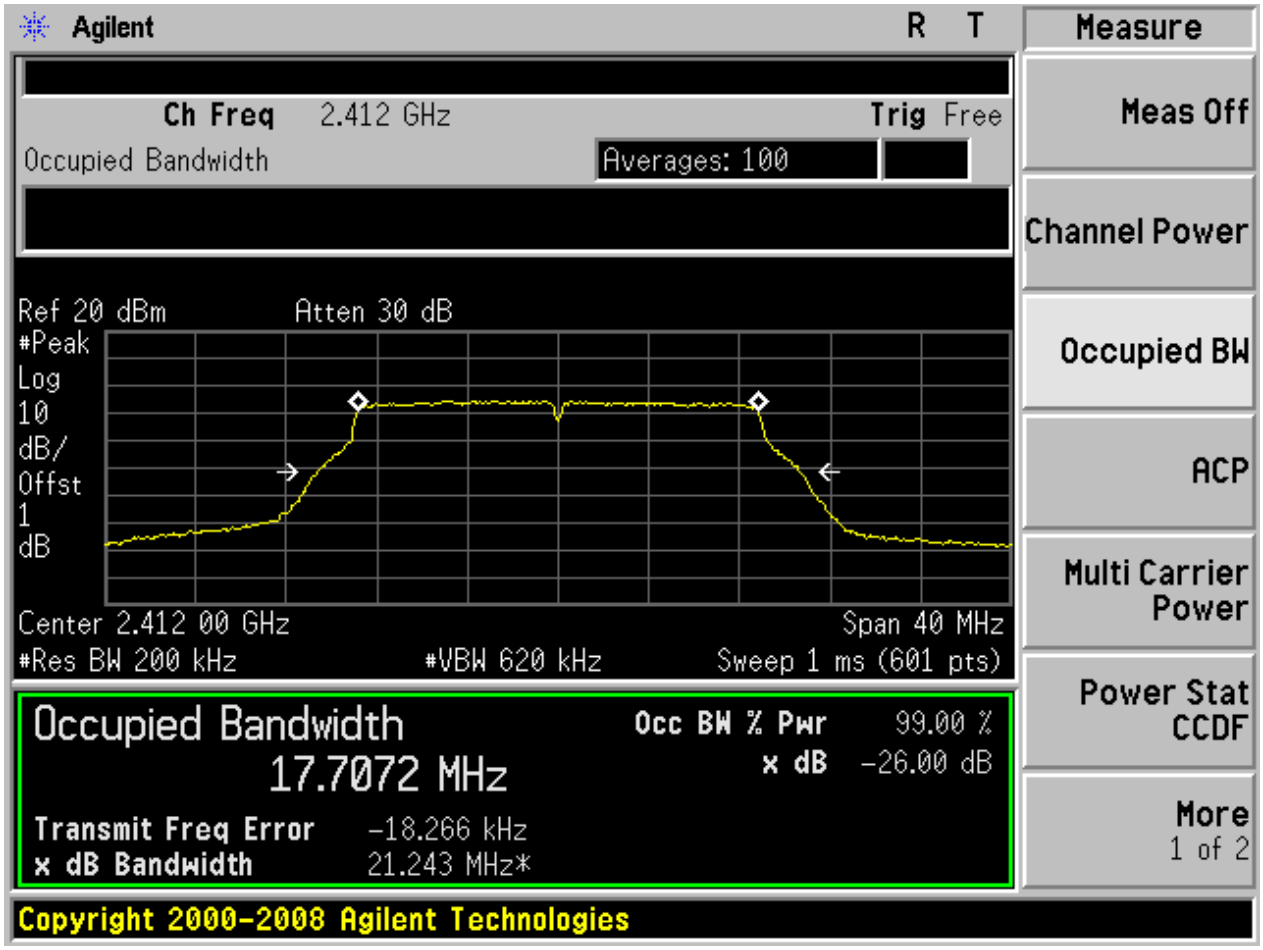
2.20 11N20m_L@Ant 2



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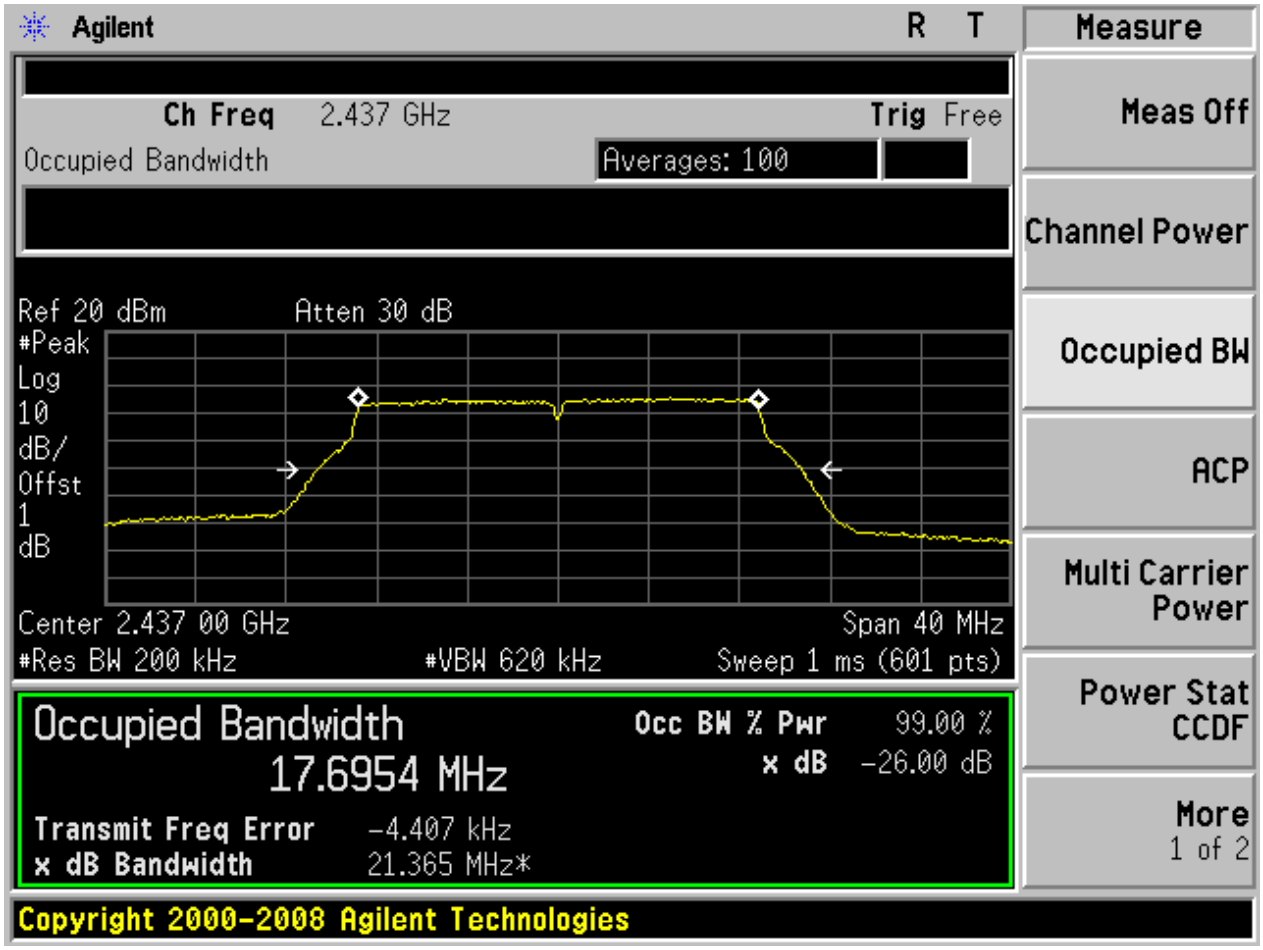
2.21 11N20m_M@Ant 1



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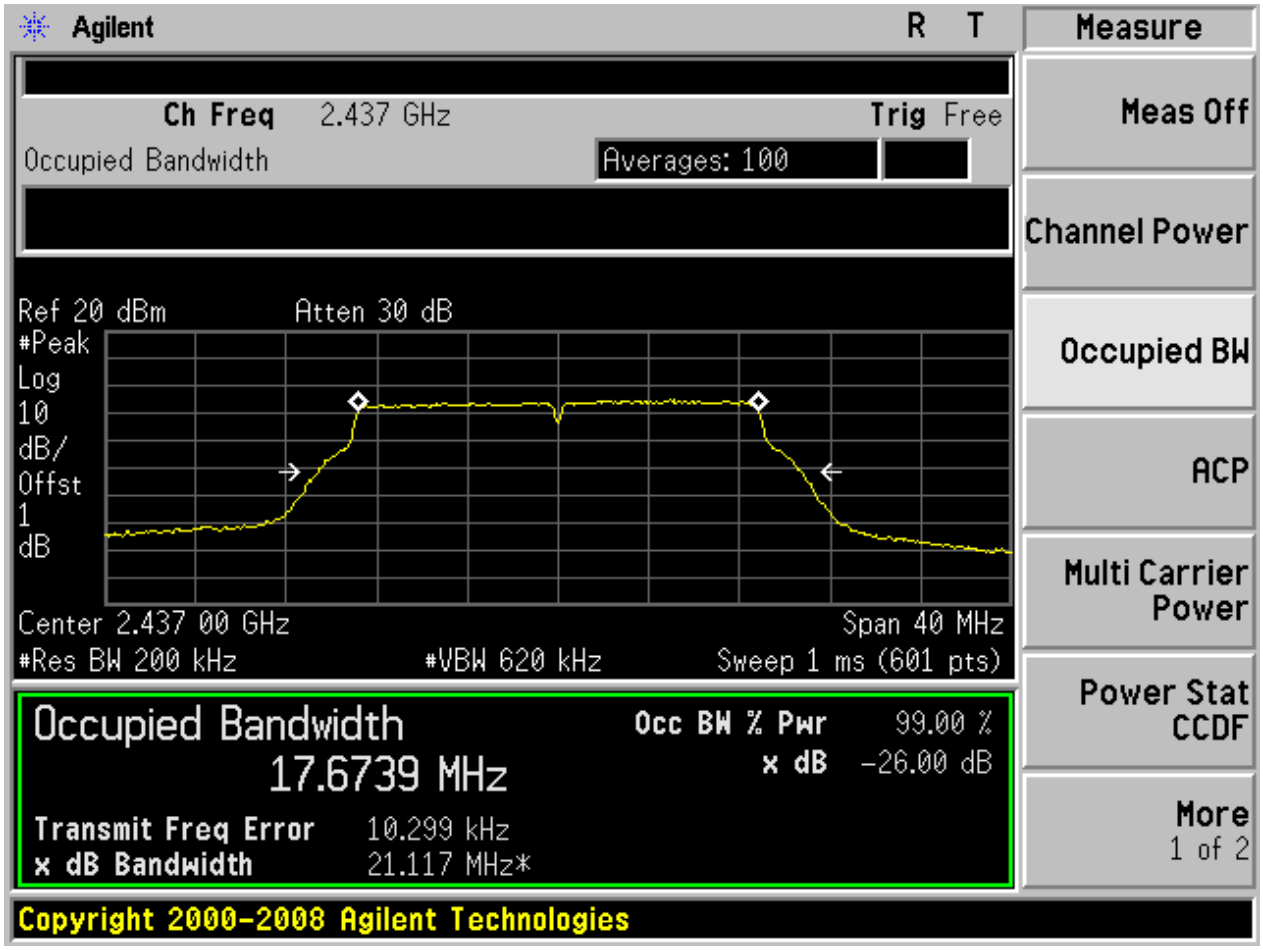
2.22 11N20m_M@Ant 2



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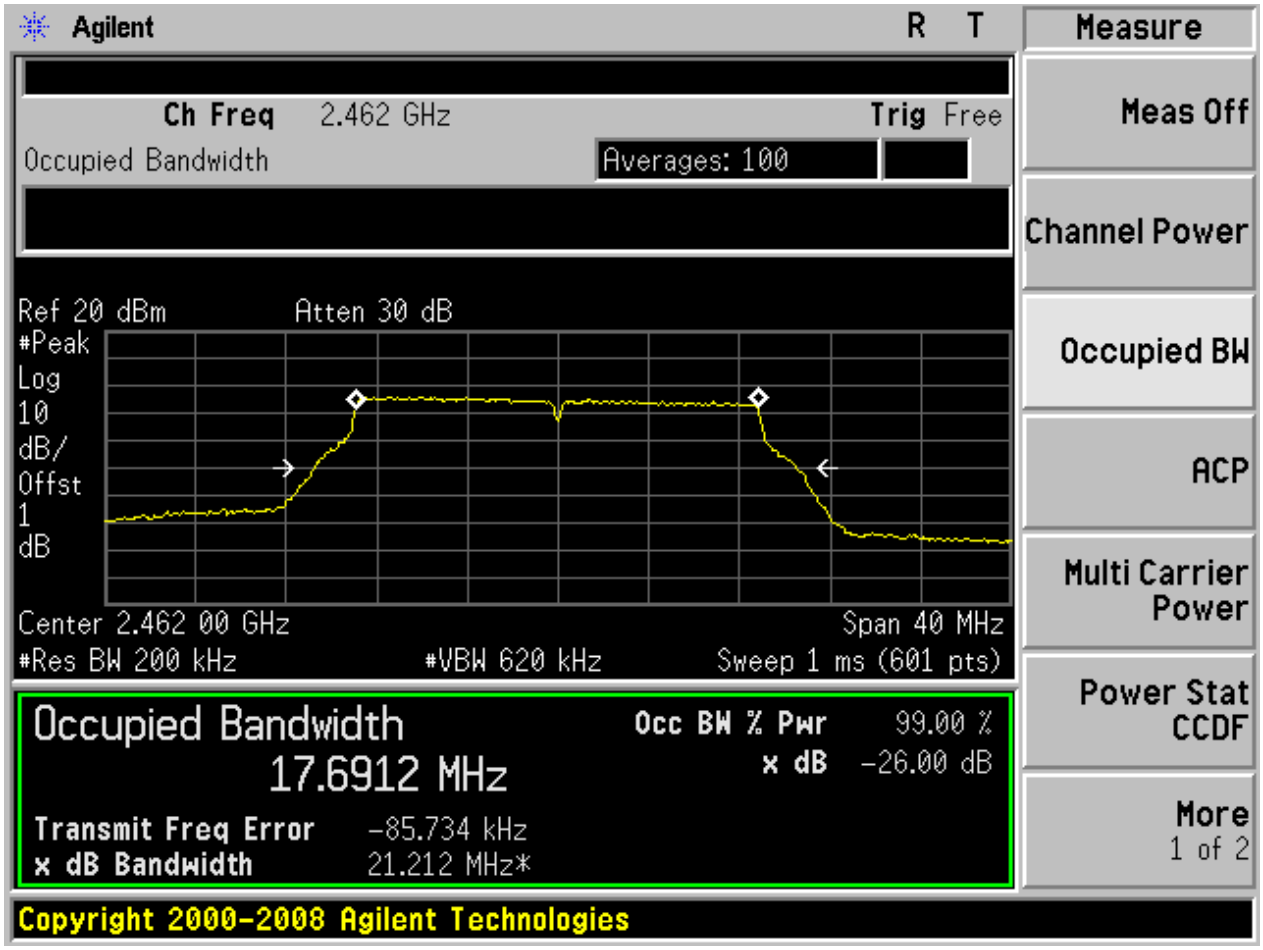
2.23 11N20m_H@Ant 1



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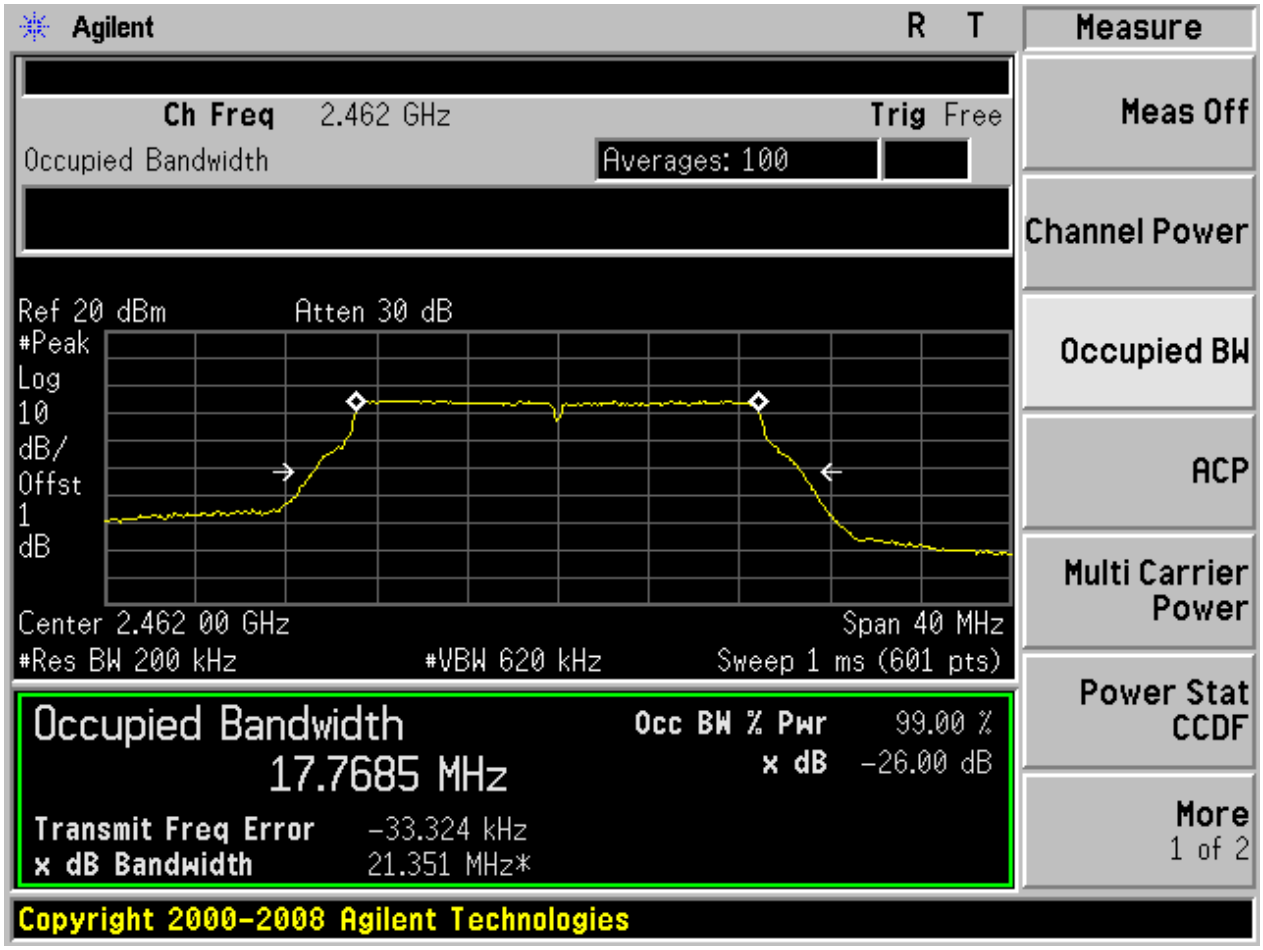
2.24 11N20m_H@Ant 2



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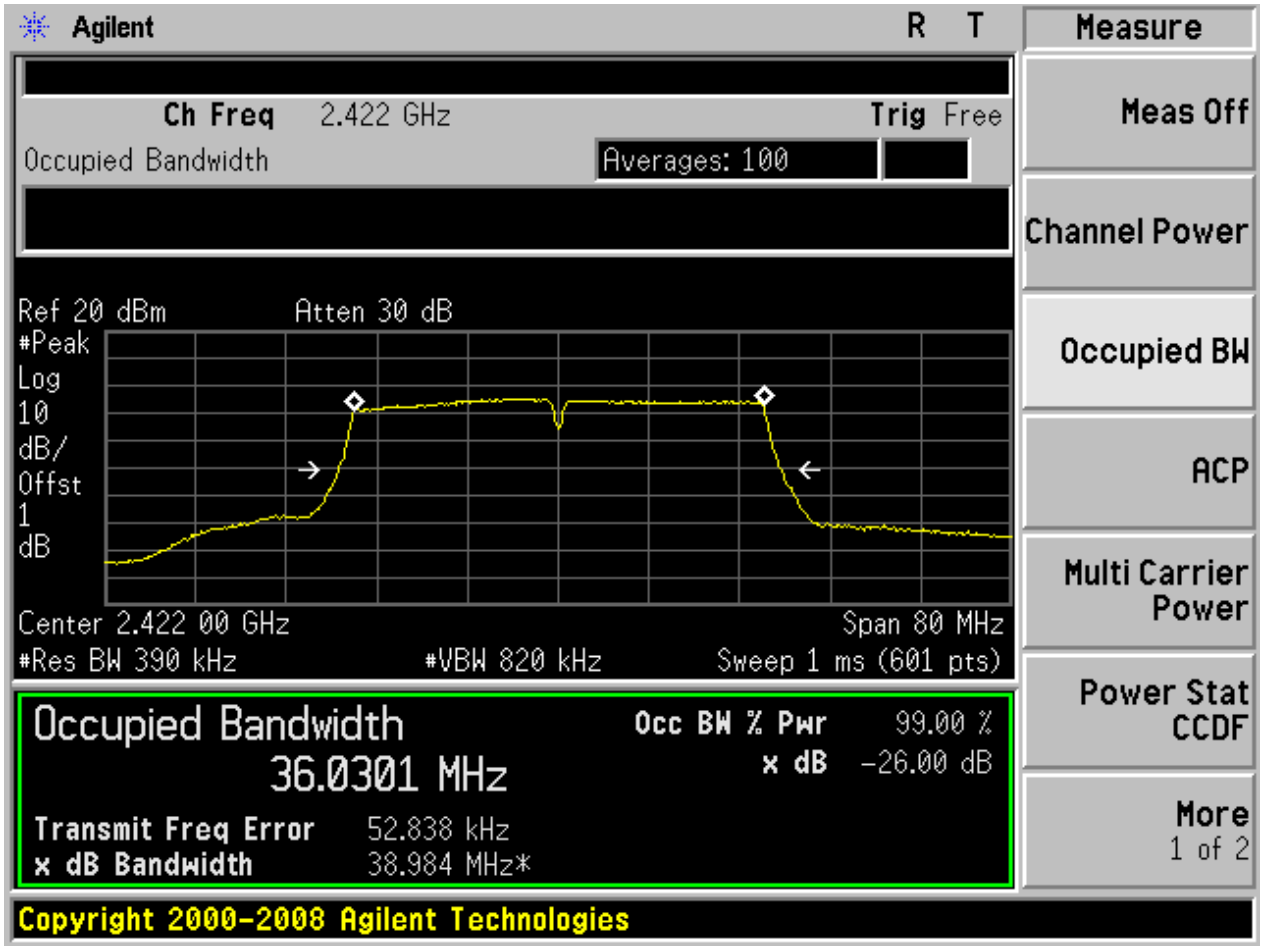
2.25 11N40_L@Ant 1



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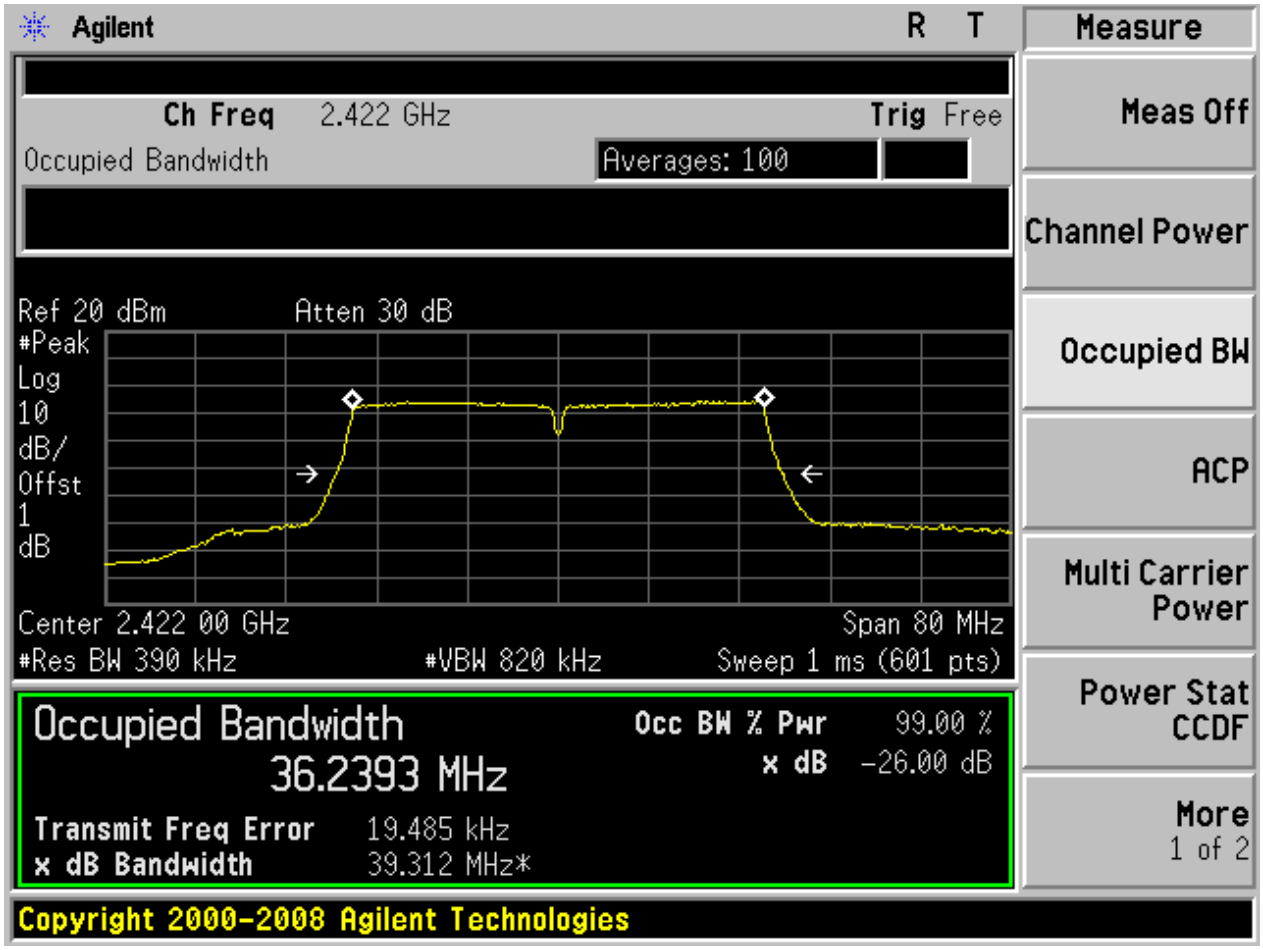
2.26 11N40_L@Ant 2



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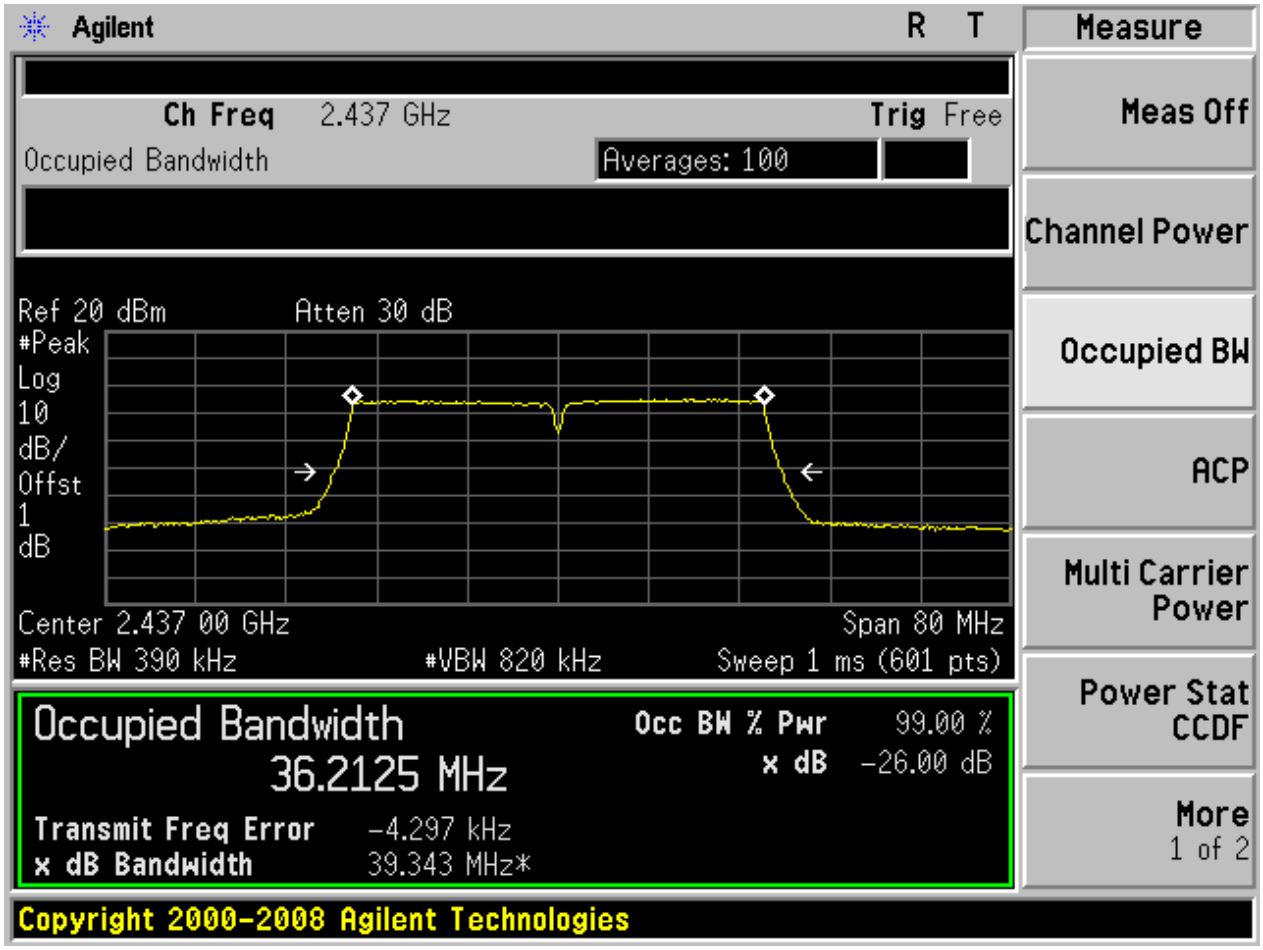
2.27 11N40_M@Ant 1



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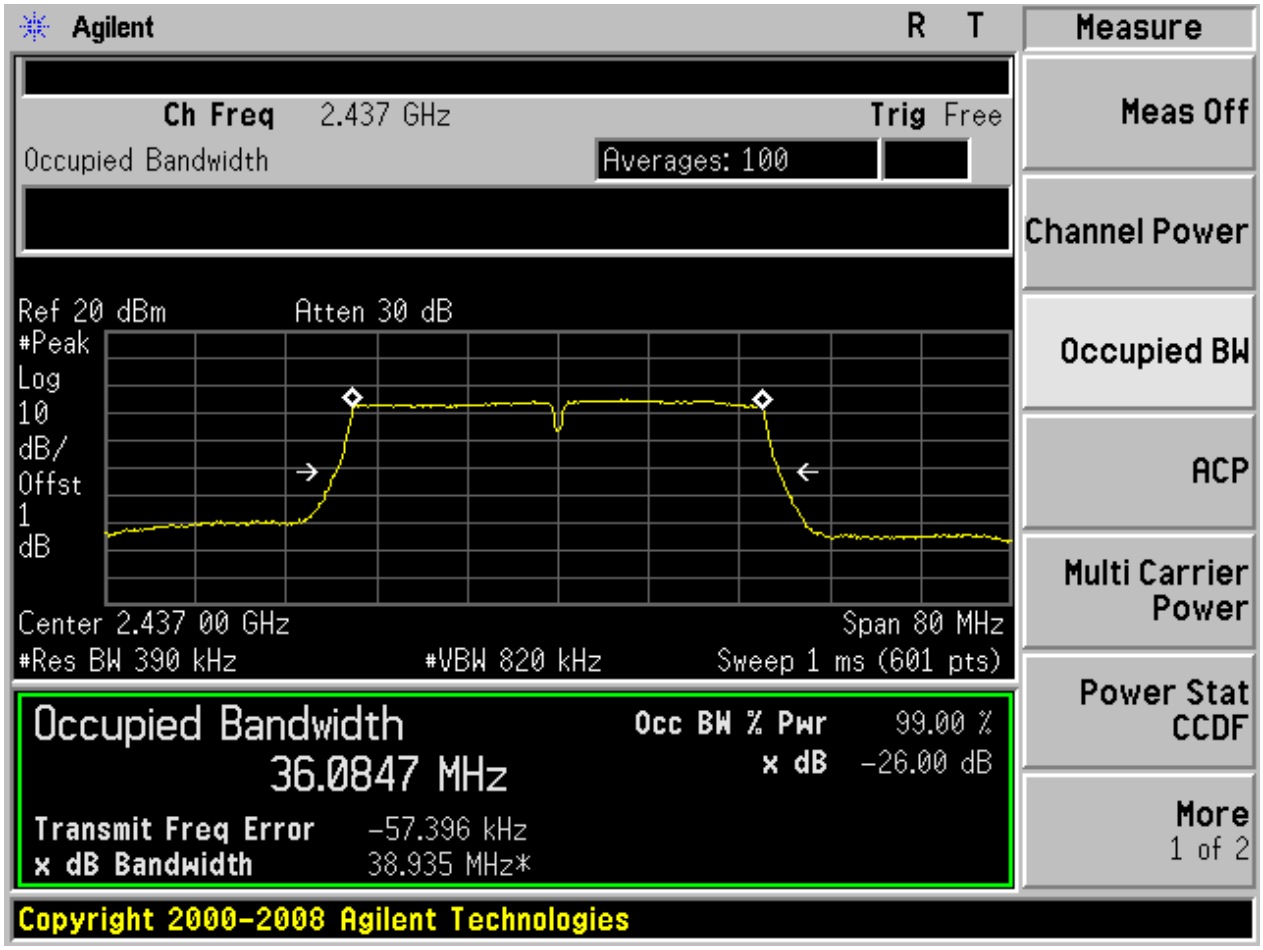
2.28 11N40_M@Ant 2



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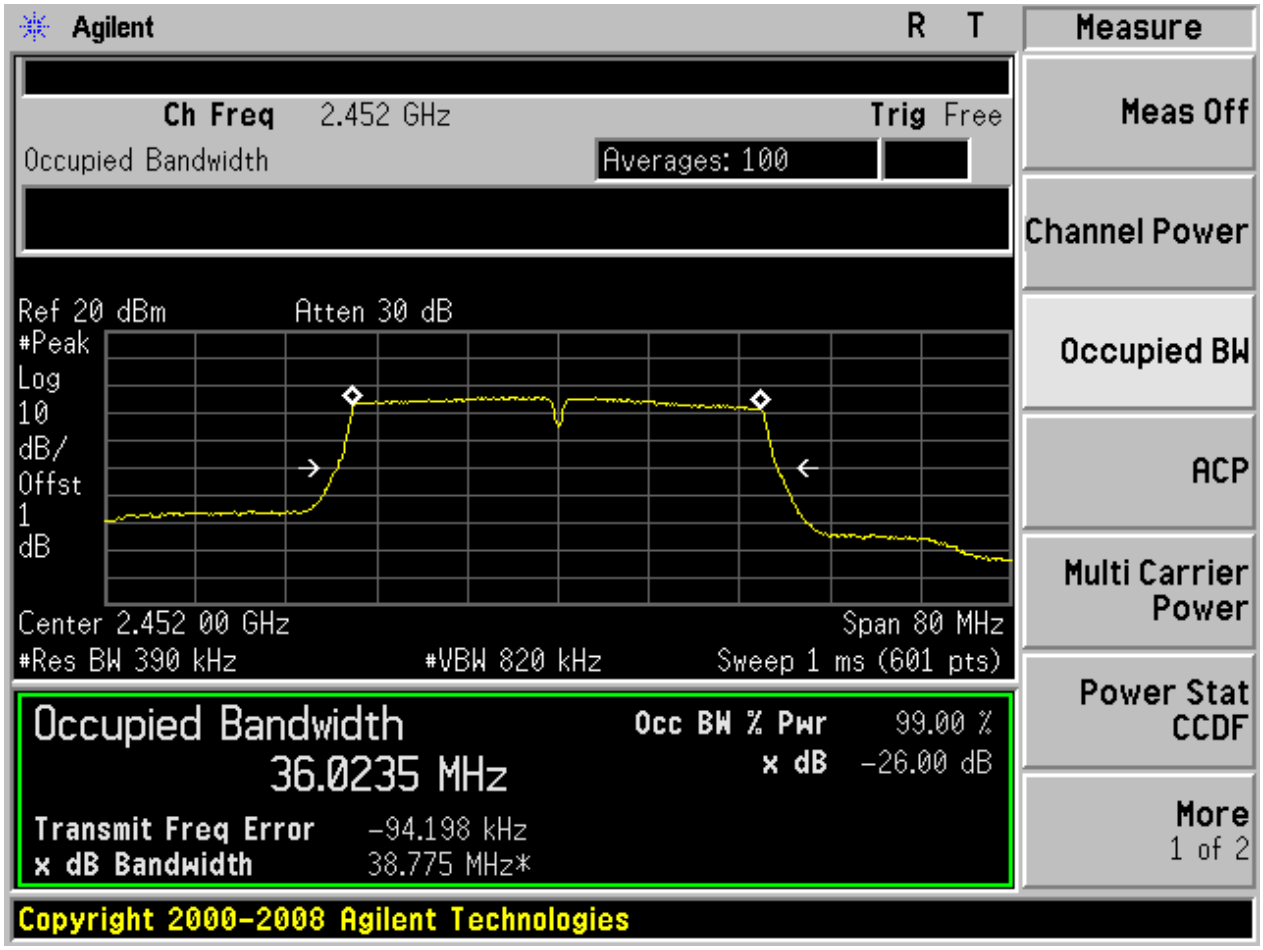
2.29 11N40_H@Ant 1



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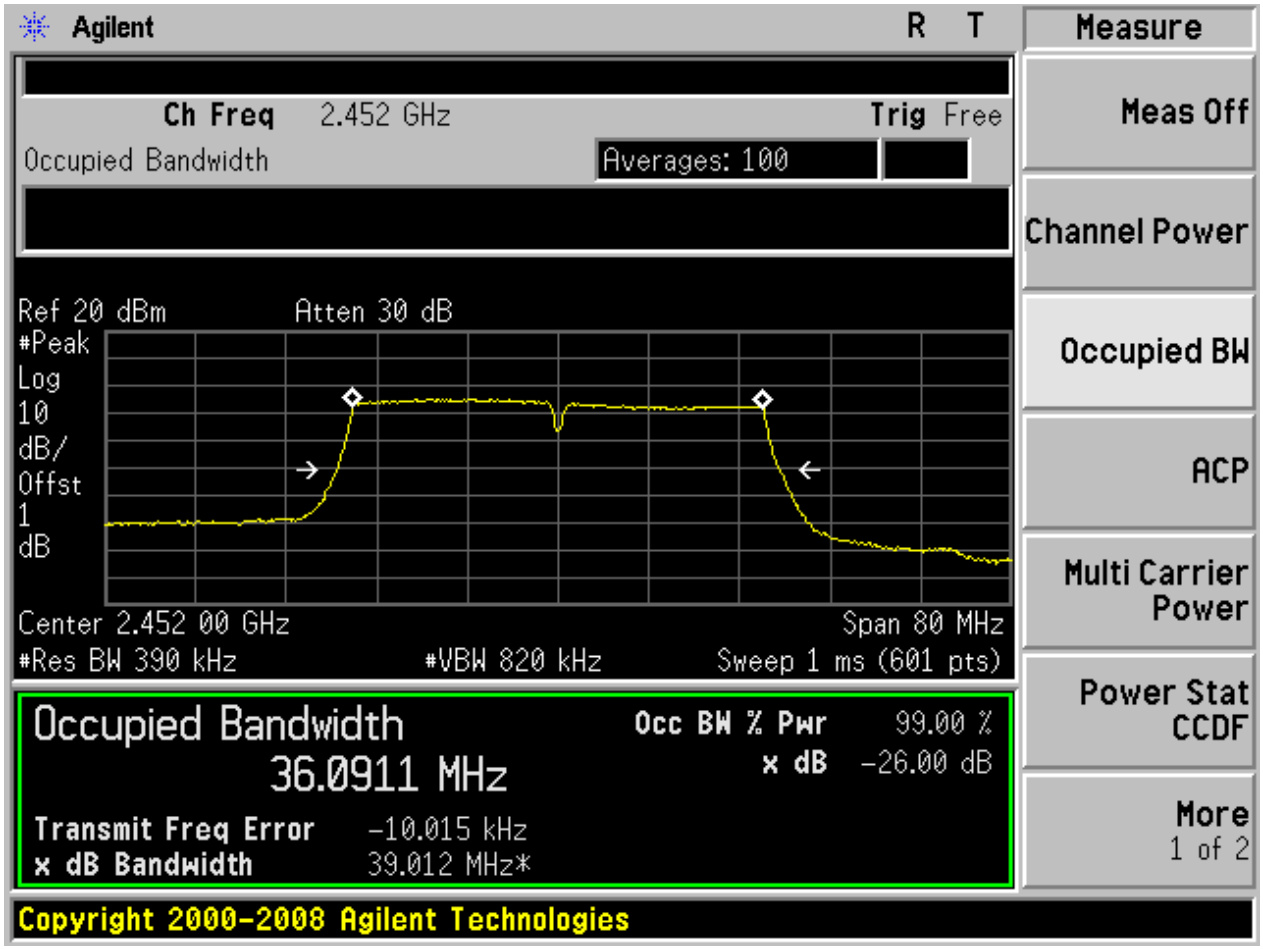
2.30 11N40_H@Ant 2



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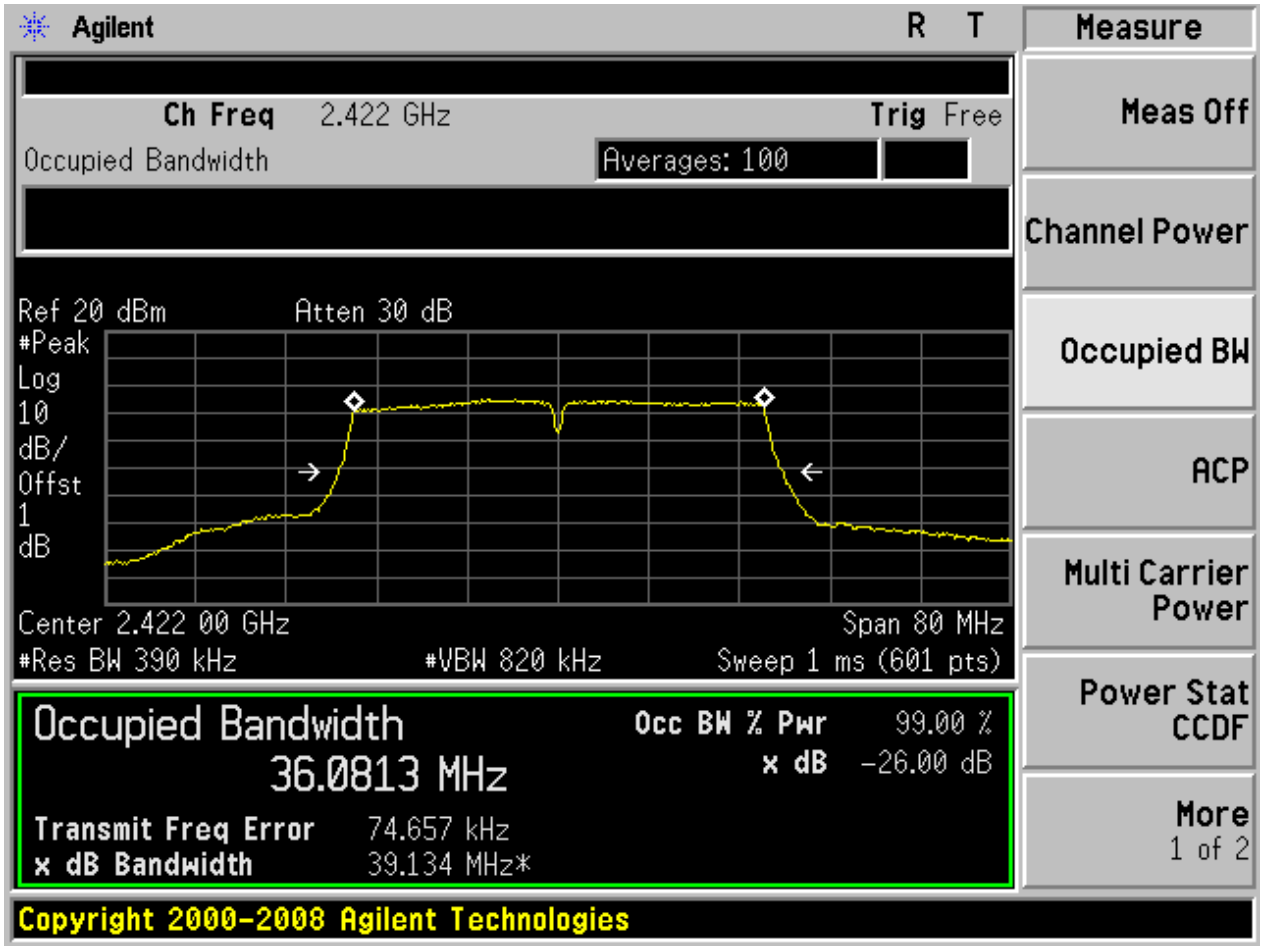
2.31 11N40m_L@Ant 1



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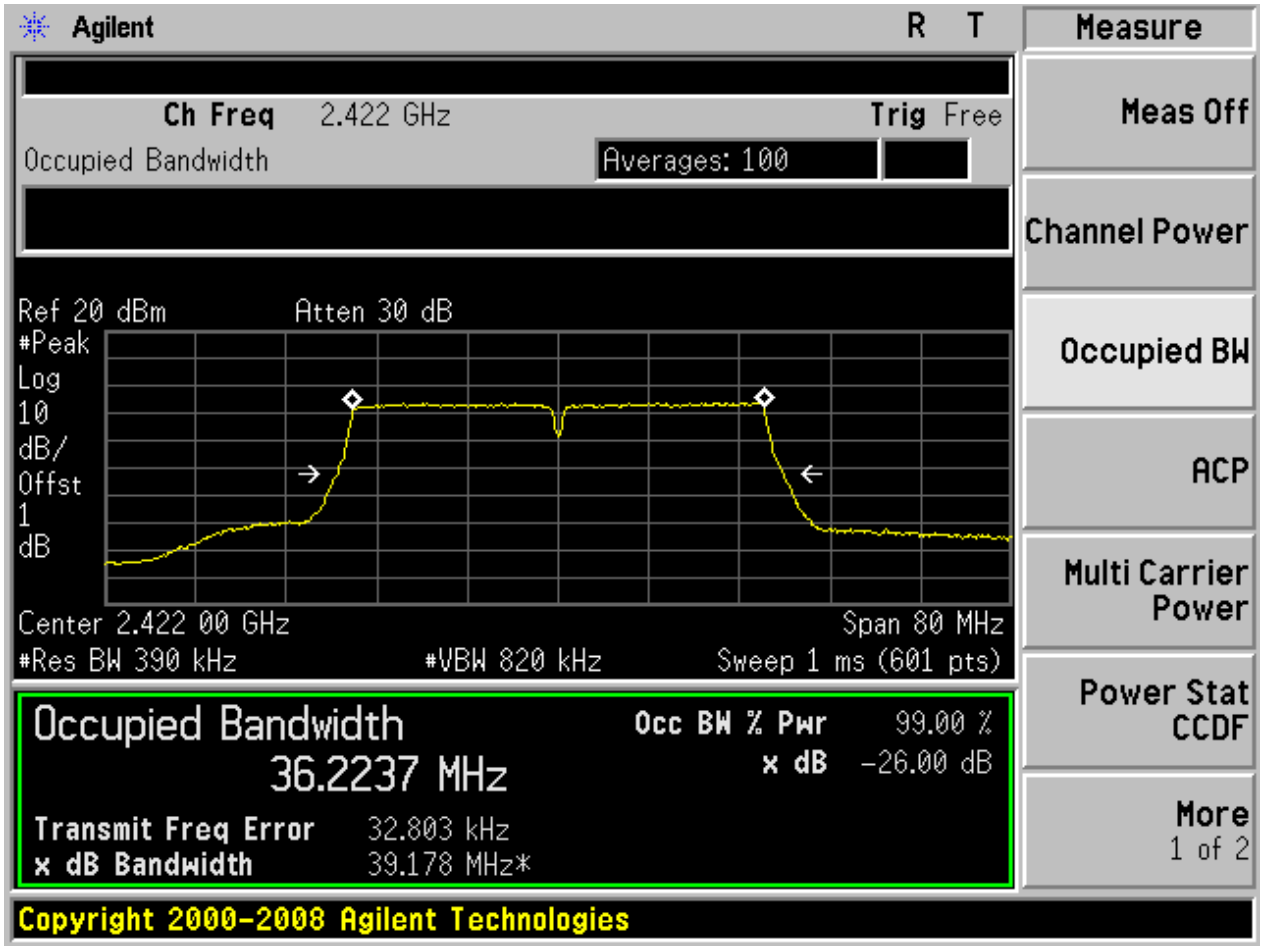
2.32 11N40m_L@Ant 2



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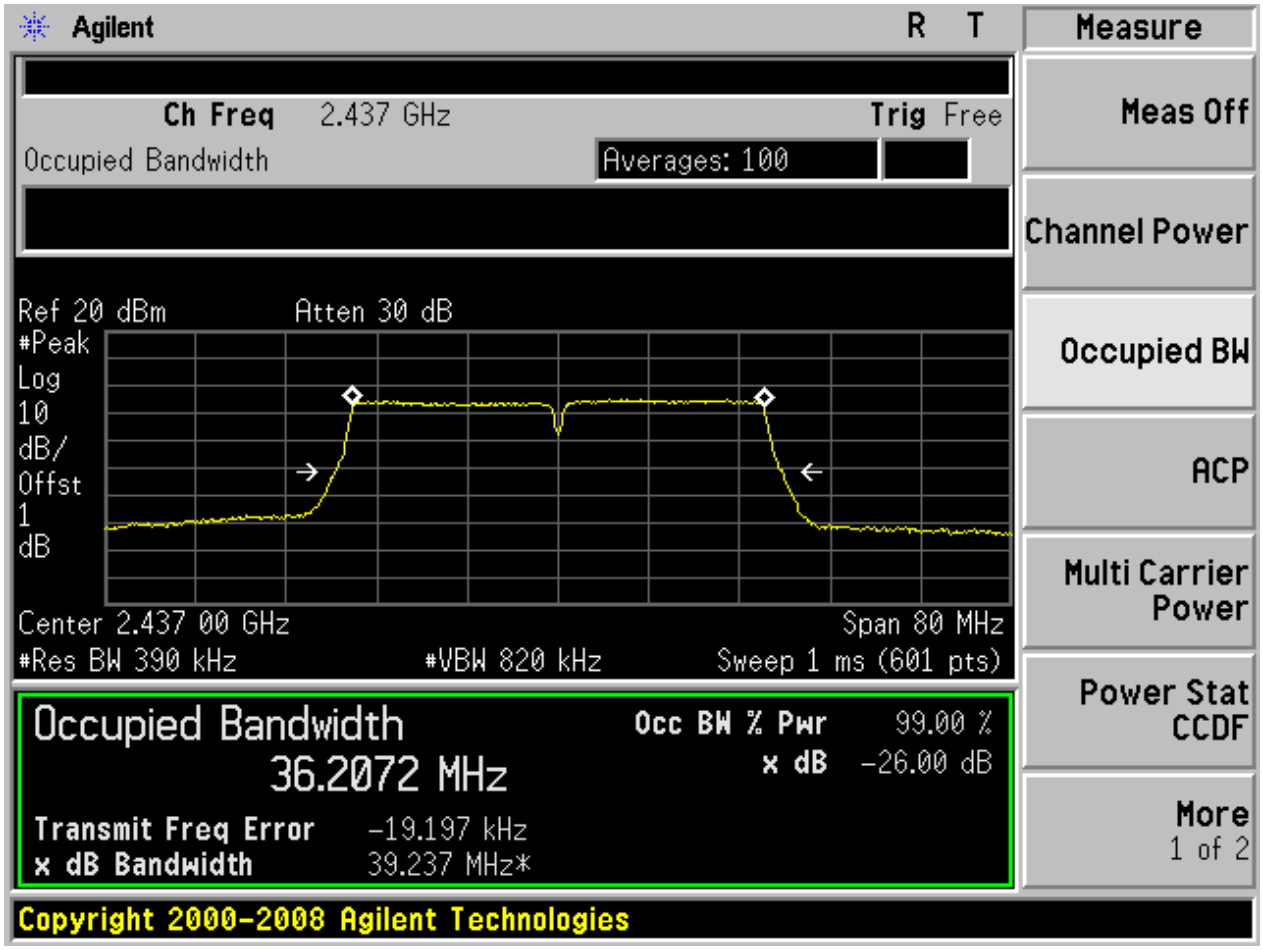
2.33 11N40m_M@Ant 1



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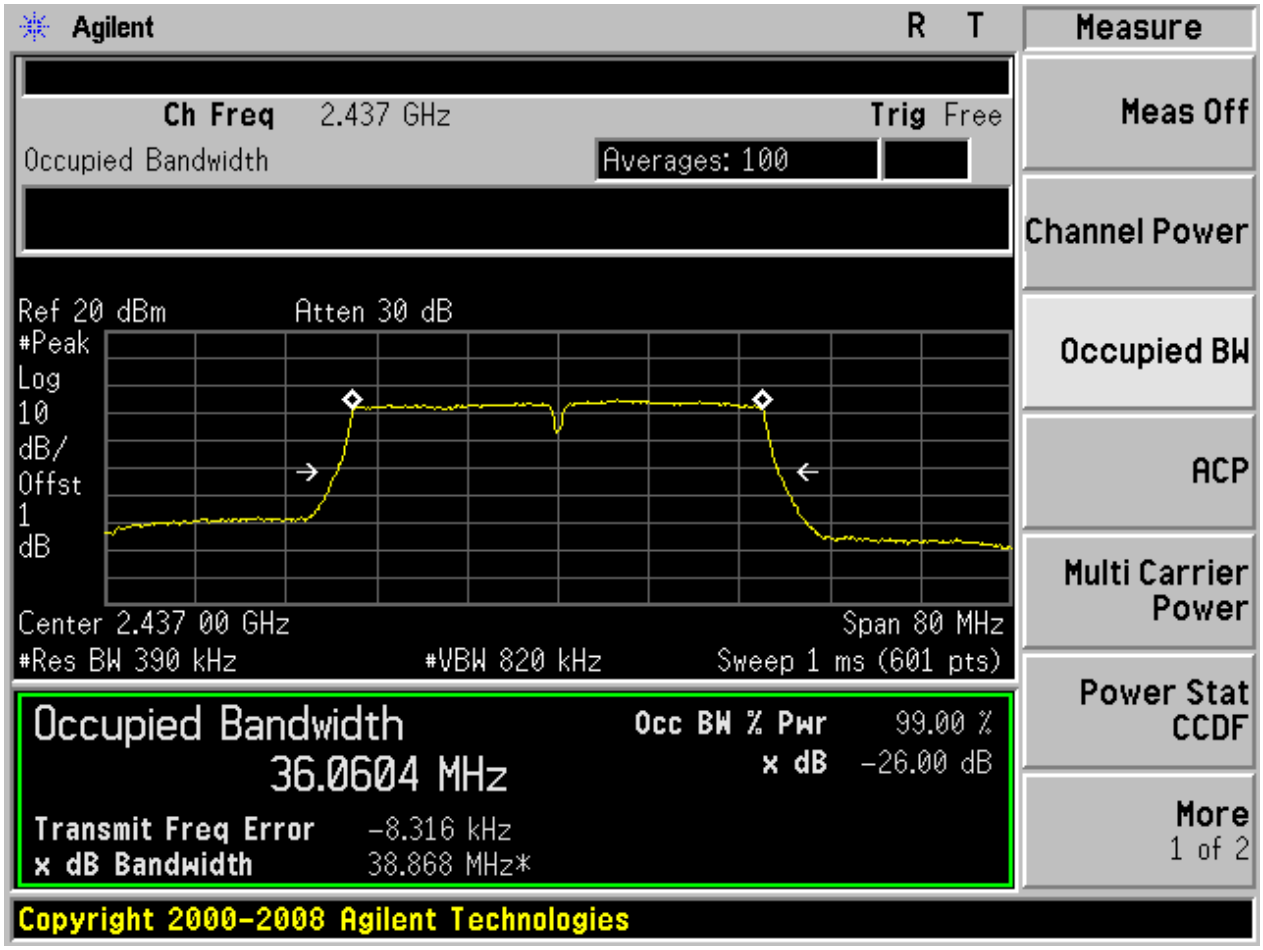
2.34 11N40m_M@Ant 2



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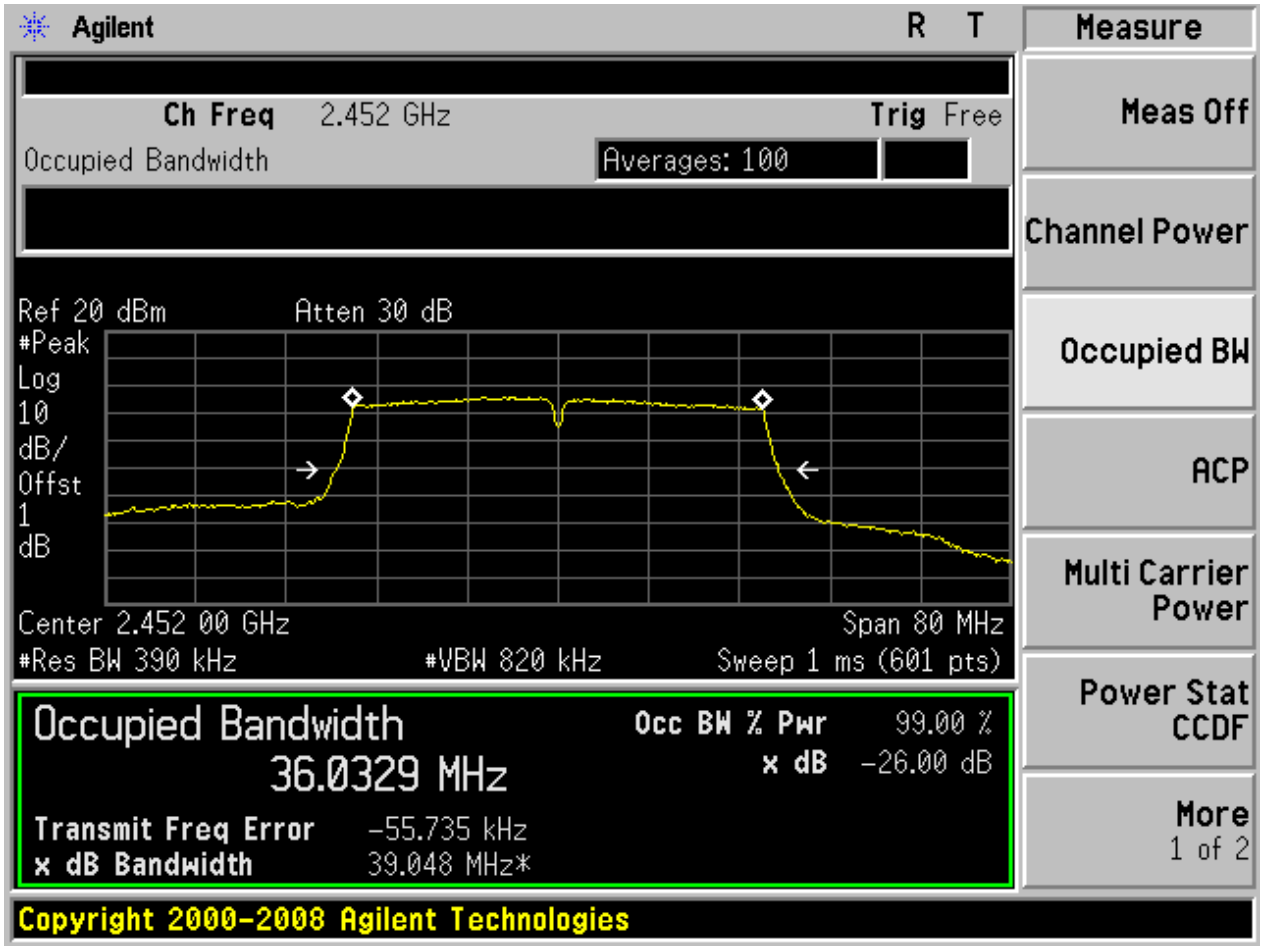

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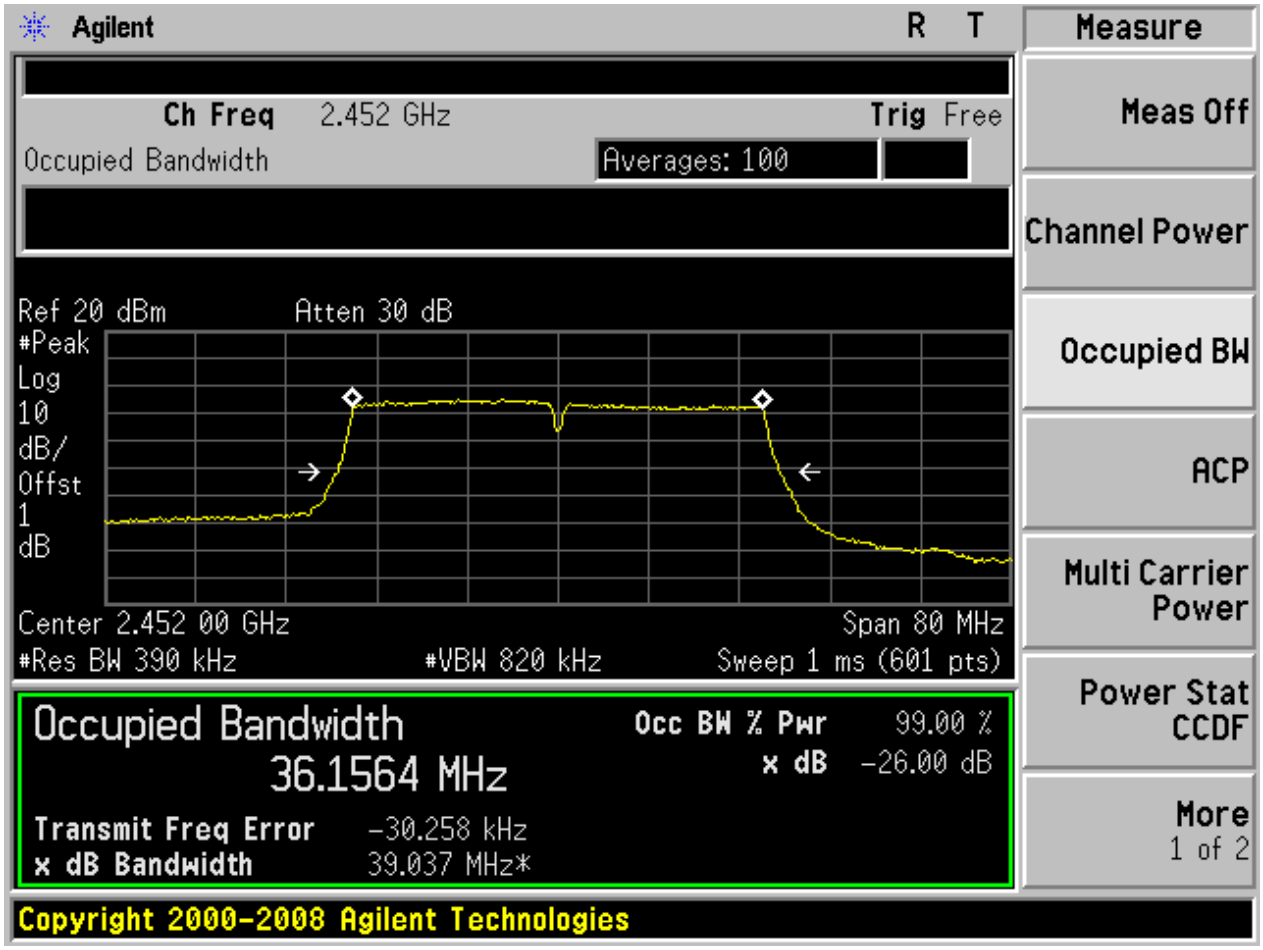

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Appendix C: Duty Cycle

Part I - Test Results

Test Mode	TX Freq. [MHz]	Duty cycle [%]
11B	Ant 1: CH1,CH6,CH11	98
11B	Ant 2: CH1,CH6,CH11	98
11G	Ant 1: CH1,CH6,CH11	95
11G	Ant 2: CH1,CH6,CH11	95
11N20_SISO	Ant 1: CH1,CH6,CH11	95
11N20_SISO	Ant 2: CH1,CH6,CH11	95
11N20_MIMO	Ant 1: CH1,CH6,CH11	95
11N20_ MIMO	Ant 2: CH1,CH6,CH11	95
11N40_SISO	Ant 1: CH3,CH6,CH9	90
11N40_SISO	Ant 2: CH3,CH6,CH9	90
11N40_MIMO	Ant 1: CH3,CH6,CH9	83
11N40_MIMO	Ant 2: CH3,CH6,CH9	83

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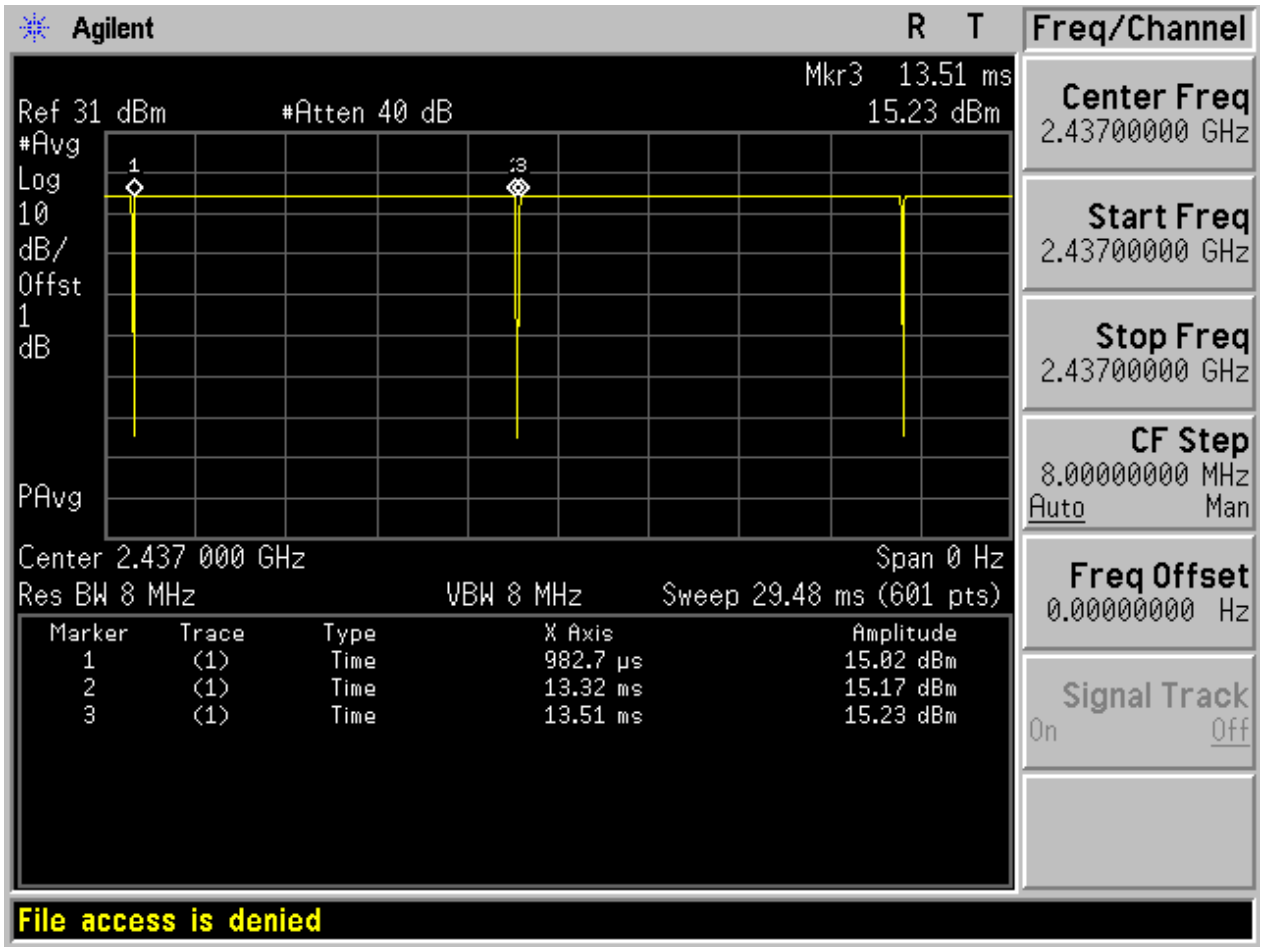
Part II - Test Plots

2.1 11B_Ant 1



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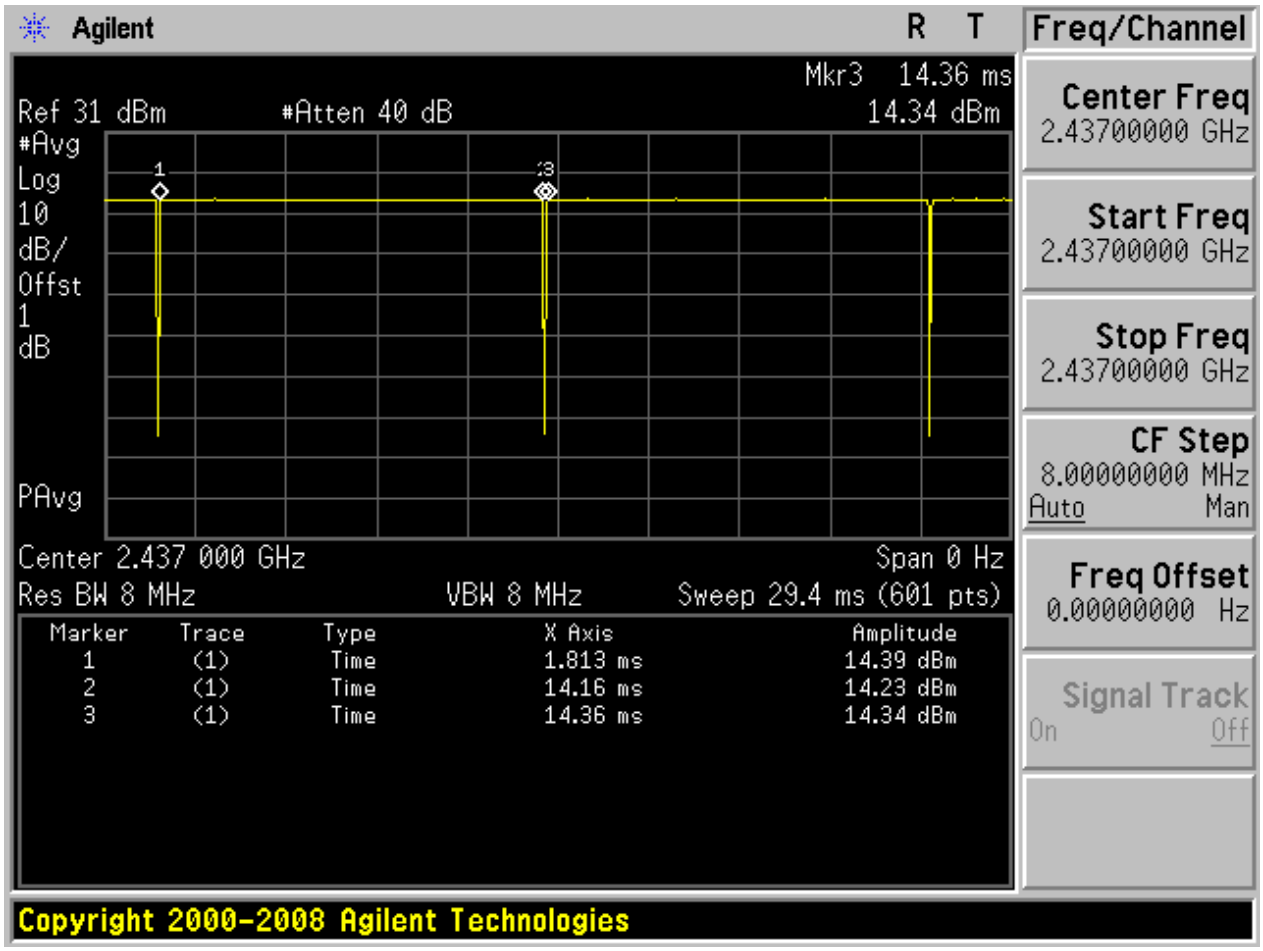
2.2 11B_Ant 2



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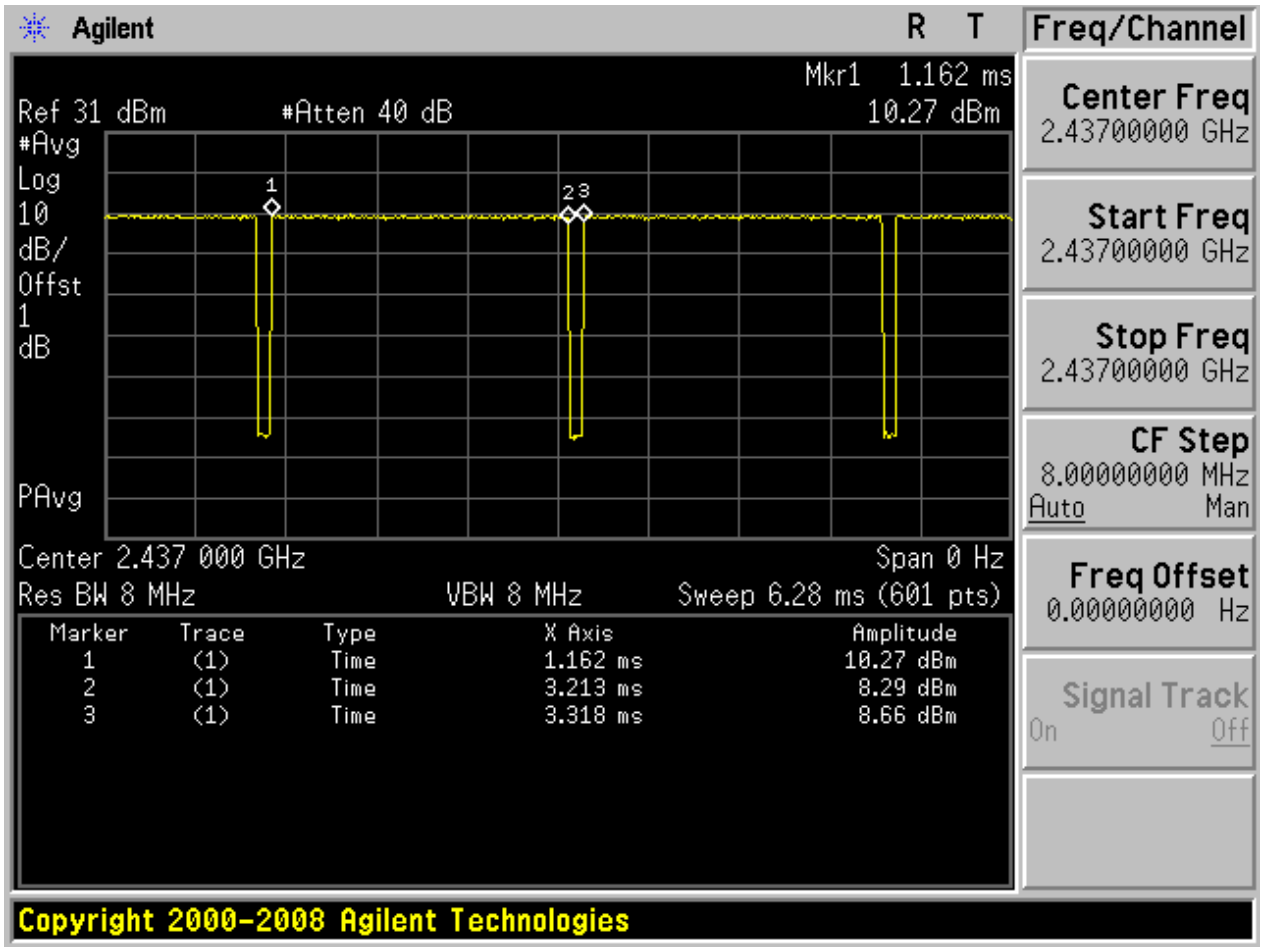
2.3 11G_Ant 1



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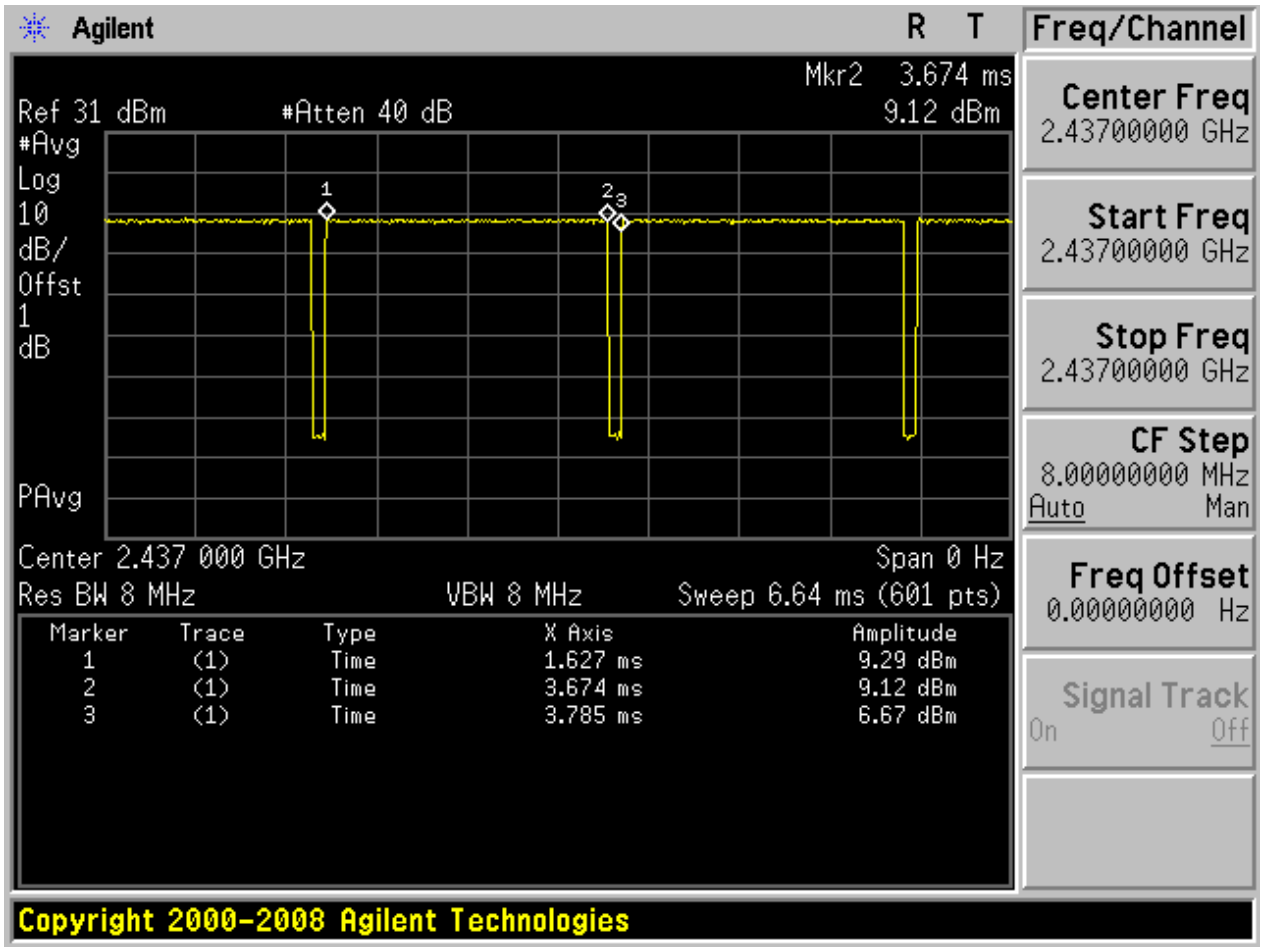
2.4 11G_Ant 2



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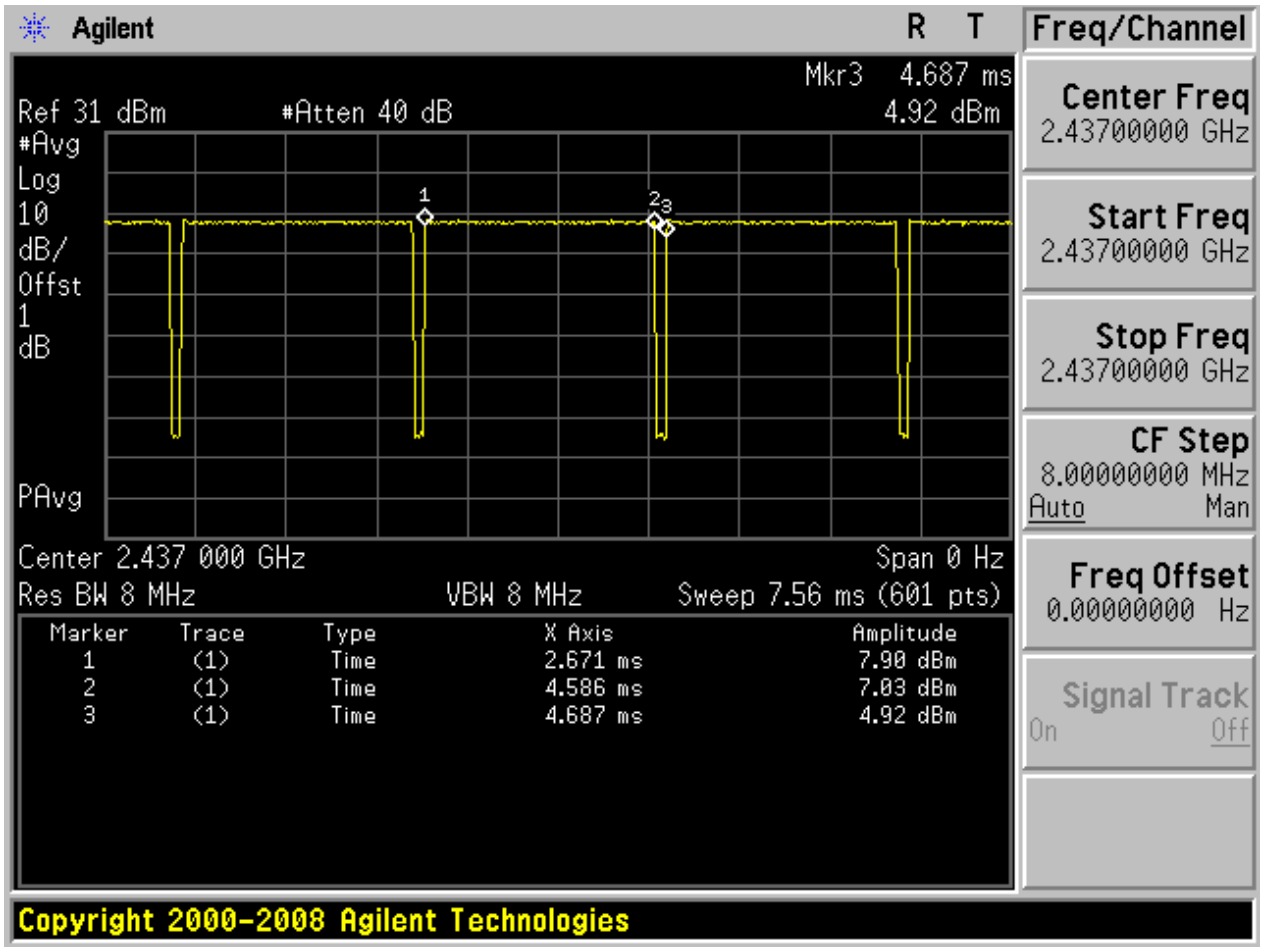
2.5 11N20_Ant 1



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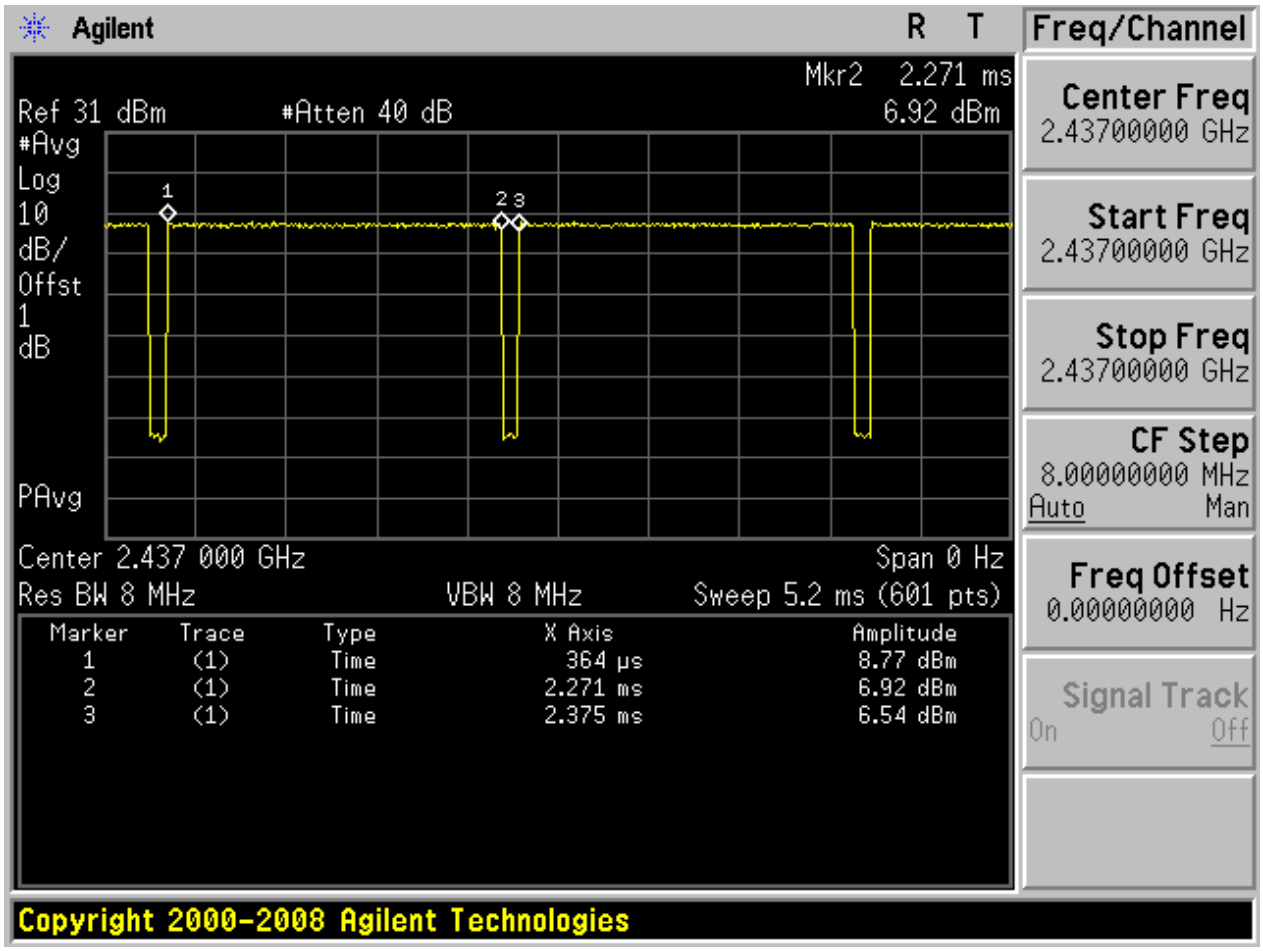
2.6 11N20_Ant 2



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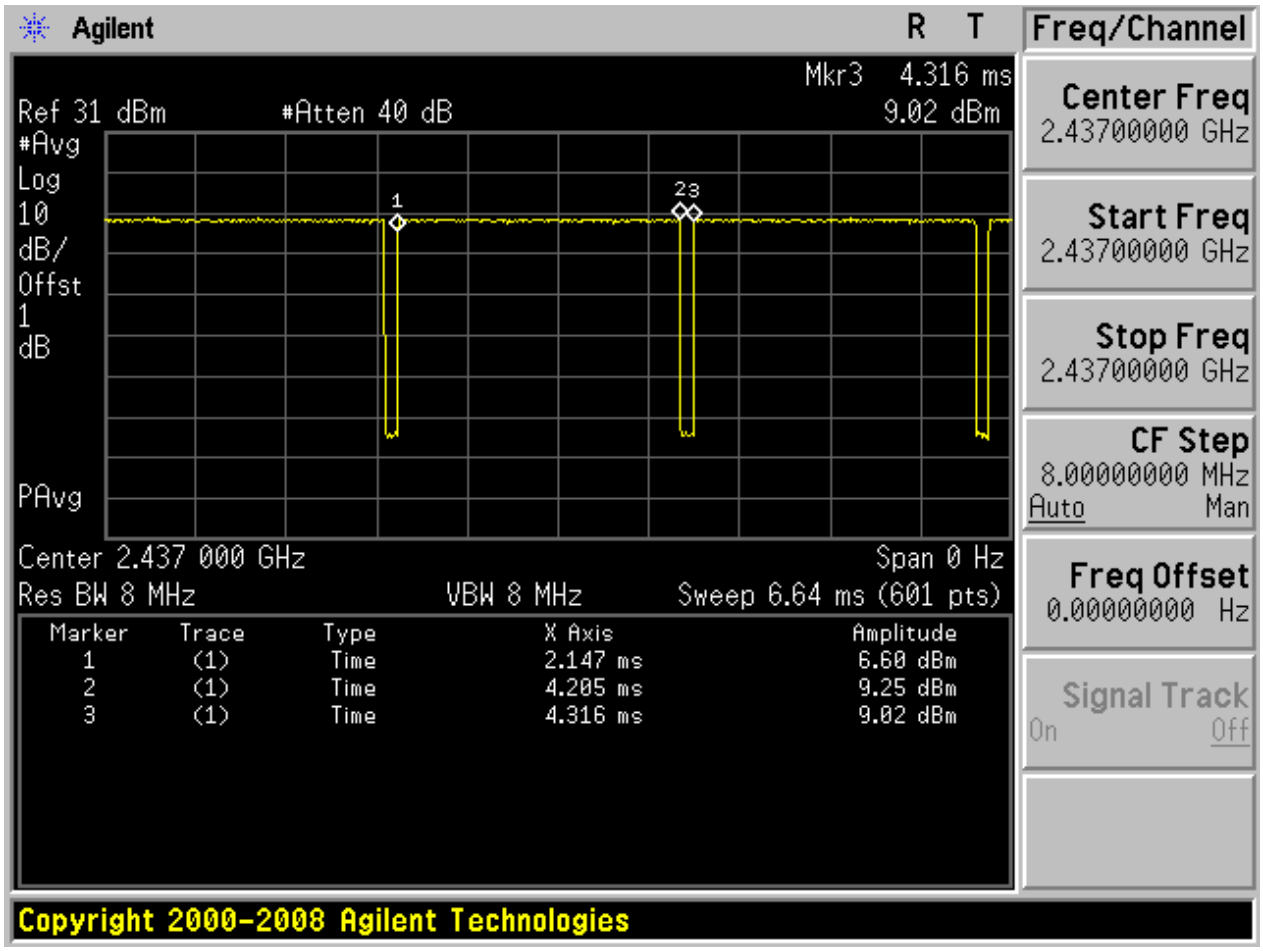
2.7 11N20m_Ant 1



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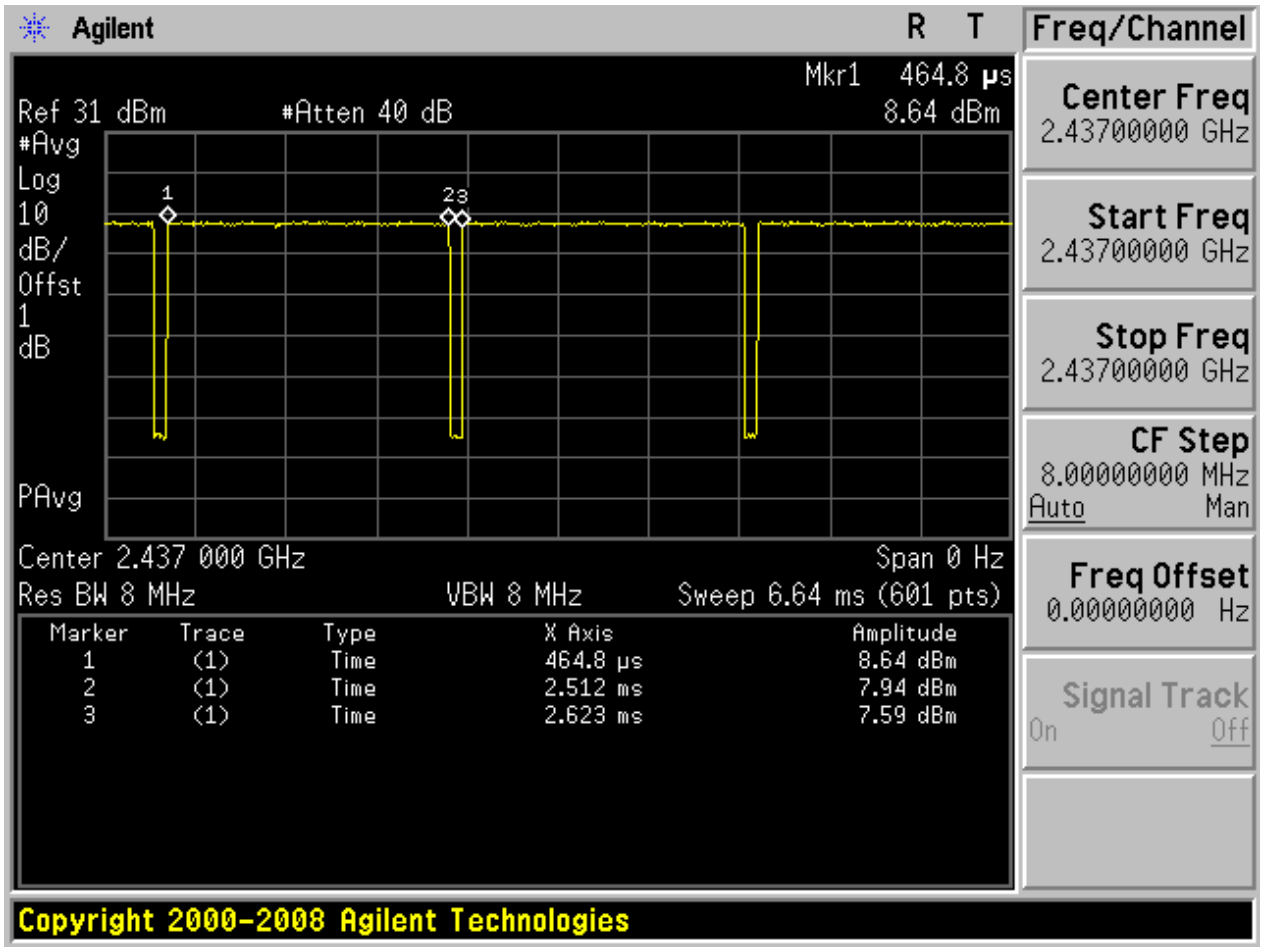
2.8 11N20m_Ant 2



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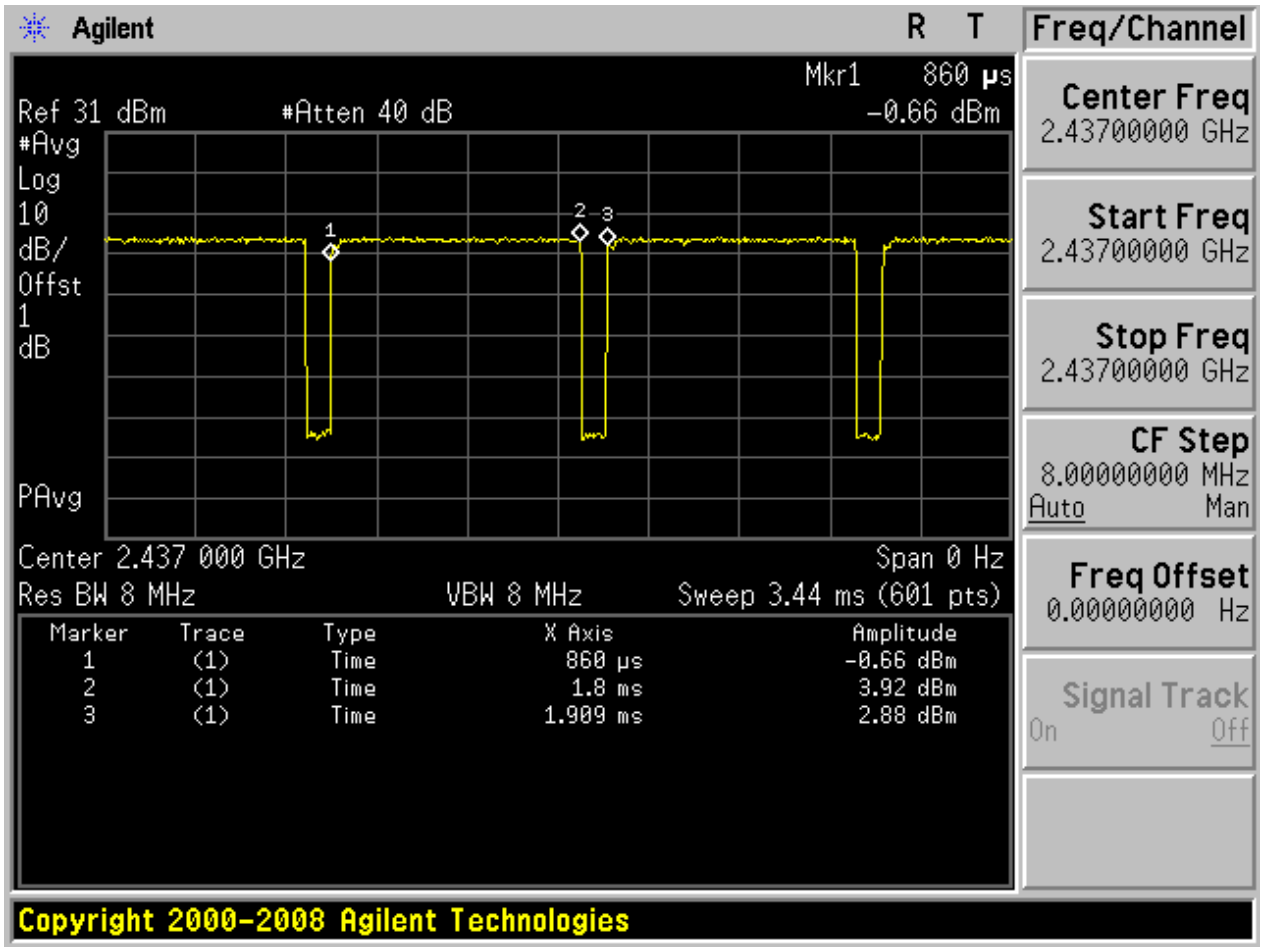
2.9 11N40_Ant 1



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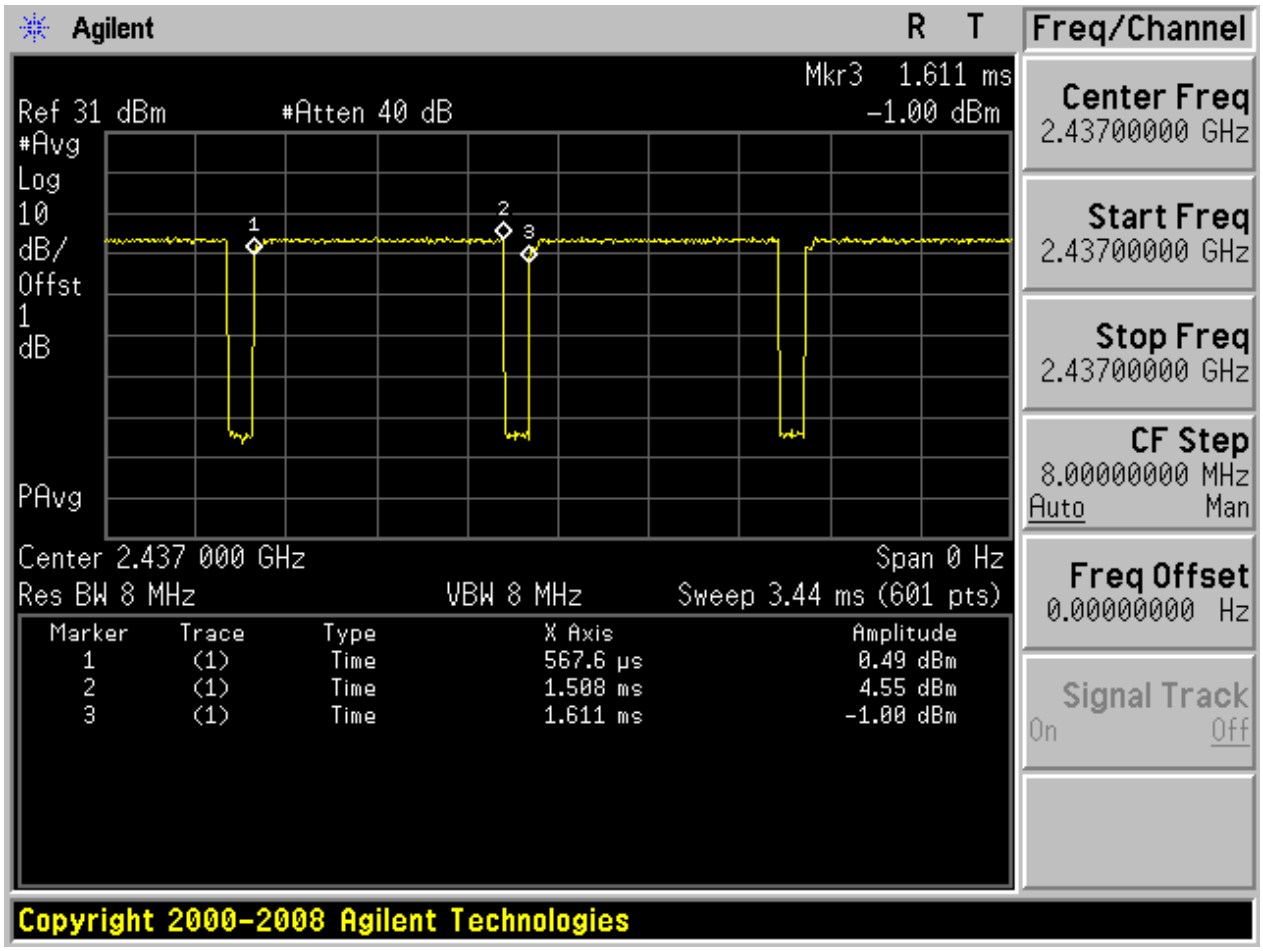
2.10 11N40_Ant 2



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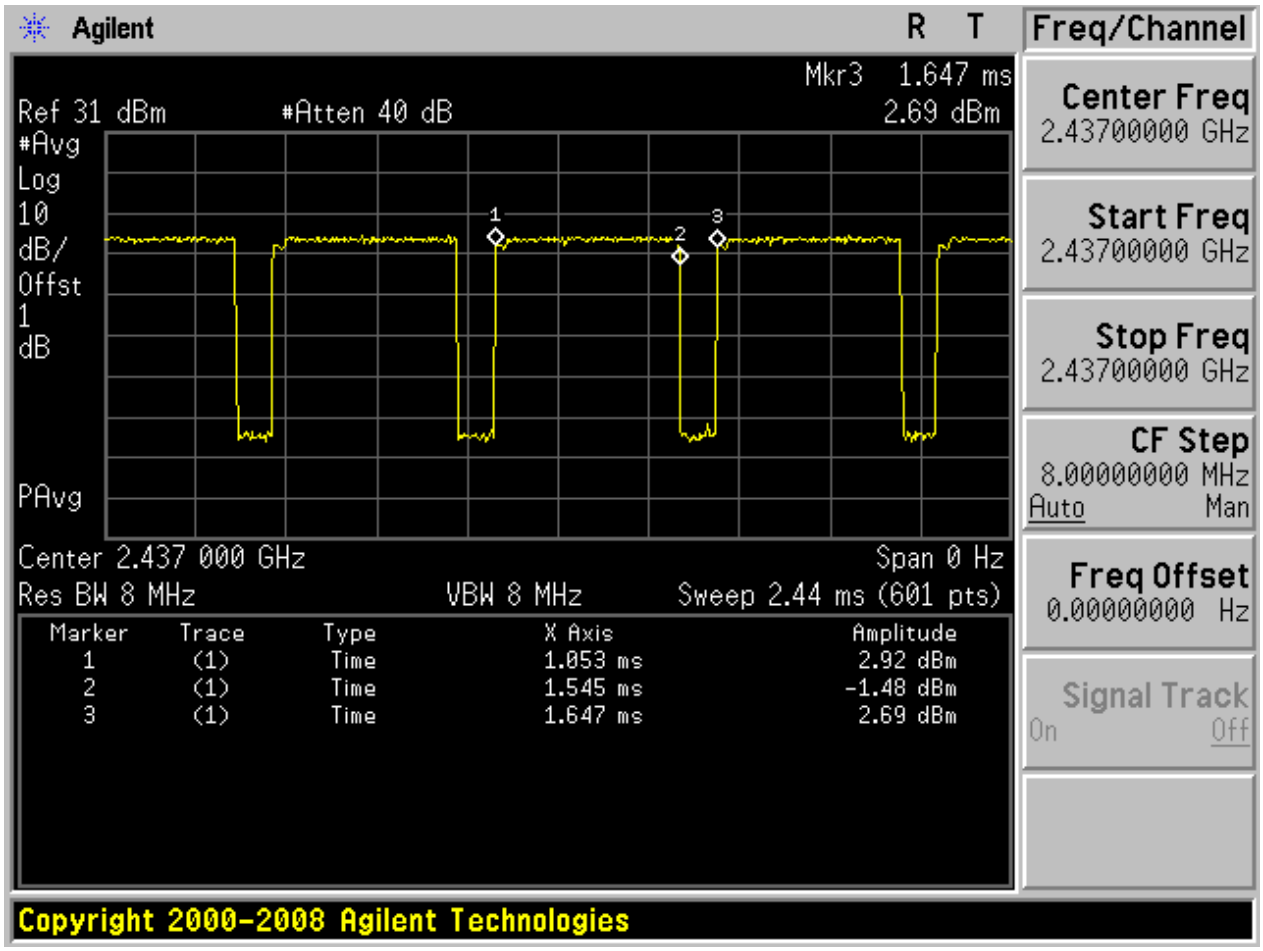
2.11 11N40m_Ant 1



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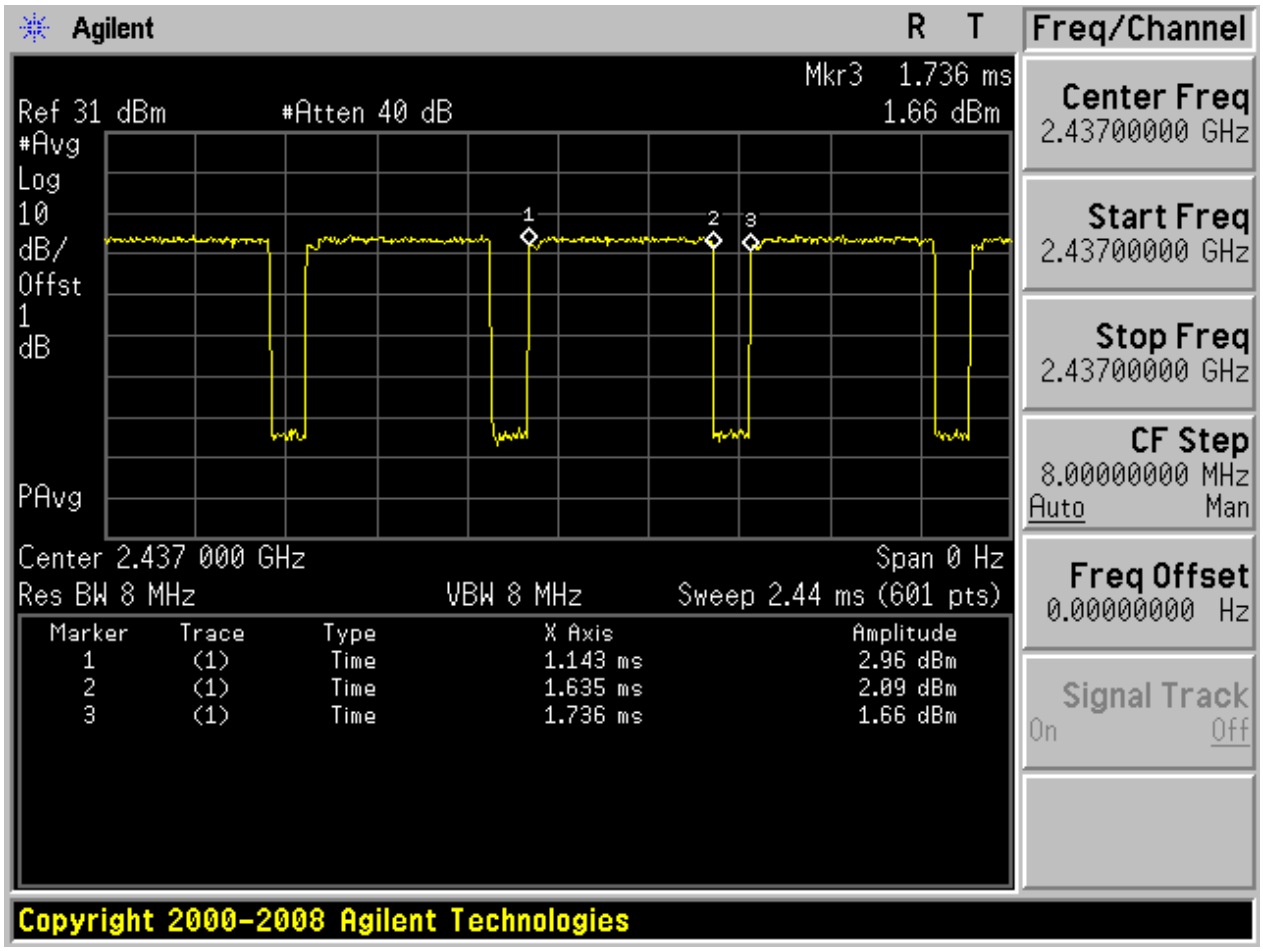
2.12 11N40m_Ant 2



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Appendix D: Maximum Conducted Average Output Power

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Power[dBm]	Verdict
11B	L	2412	Ant 1	14.75	pass
11B	L	2412	Ant 2	14.90	pass
11B	M	2437	Ant 1	15.59	pass
11B	M	2437	Ant 2	14.93	pass
11B	H	2462	Ant 1	15.60	pass
11B	H	2462	Ant 2	14.98	pass
11G	L	2412	Ant 1	12.13	pass
11G	L	2412	Ant 2	12.36	pass
11G	M	2437	Ant 1	13.10	pass
11G	M	2437	Ant 2	12.52	pass
11G	H	2462	Ant 1	13.23	pass
11G	H	2462	Ant 2	12.68	pass
11N20	L	2412	Ant 1	11.18	pass
11N20	L	2412	Ant 2	11.30	pass
11N20	M	2437	Ant 1	12.19	pass
11N20	M	2437	Ant 2	11.51	pass
11N20	H	2462	Ant 1	12.14	pass
11N20	H	2462	Ant 2	11.68	pass
11N20m	L	2412	Ant 1	11.28	pass
11N20m	L	2412	Ant 2	11.28	pass
11N20m	L	2412	Ant sum	14.29	pass
11N20m	M	2437	Ant 1	11.97	pass
11N20m	M	2437	Ant 2	11.28	pass
11N20m	M	2437	Ant sum	14.65	pass
11N20m	H	2462	Ant 1	12.05	pass
11N20m	H	2462	Ant 2	11.58	pass
11N20m	H	2462	Ant sum	14.83	pass
11N40	L	2422	Ant 1	11.18	pass
11N40	L	2422	Ant 2	10.47	pass
11N40	M	2437	Ant 1	11.50	pass
11N40	M	2437	Ant 2	10.93	pass
11N40	H	2452	Ant 1	11.70	pass
11N40	H	2452	Ant 2	10.77	pass
11N40m	L	2422	Ant 1	11.22	pass
11N40m	L	2422	Ant 2	10.65	pass

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Test Mode	Test Channel	Frequency[MHz]	Ant	Power[dBm]	Verdict
11N40m	L	2422	Ant sum	13.95	pass
11N40m	M	2437	Ant 1	11.61	pass
11N40m	M	2437	Ant 2	10.90	pass
11N40m	M	2437	Ant sum	14.28	pass
11N40m	H	2452	Ant 1	11.74	pass
11N40m	H	2452	Ant 2	10.87	pass
11N40m	H	2452	Ant sum	14.34	pass

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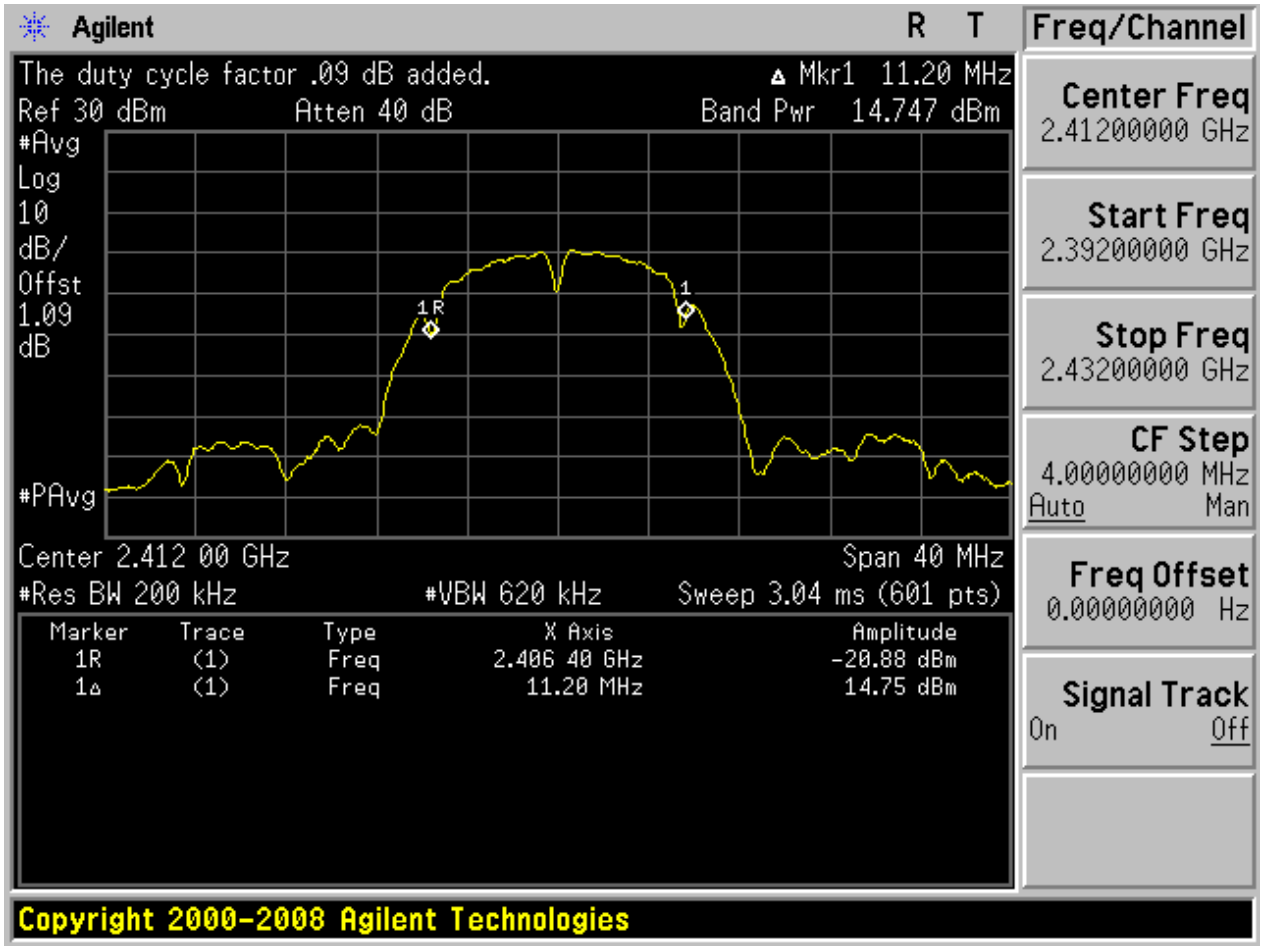
Part II - Test Plots

2.1 11B_L@Ant 1



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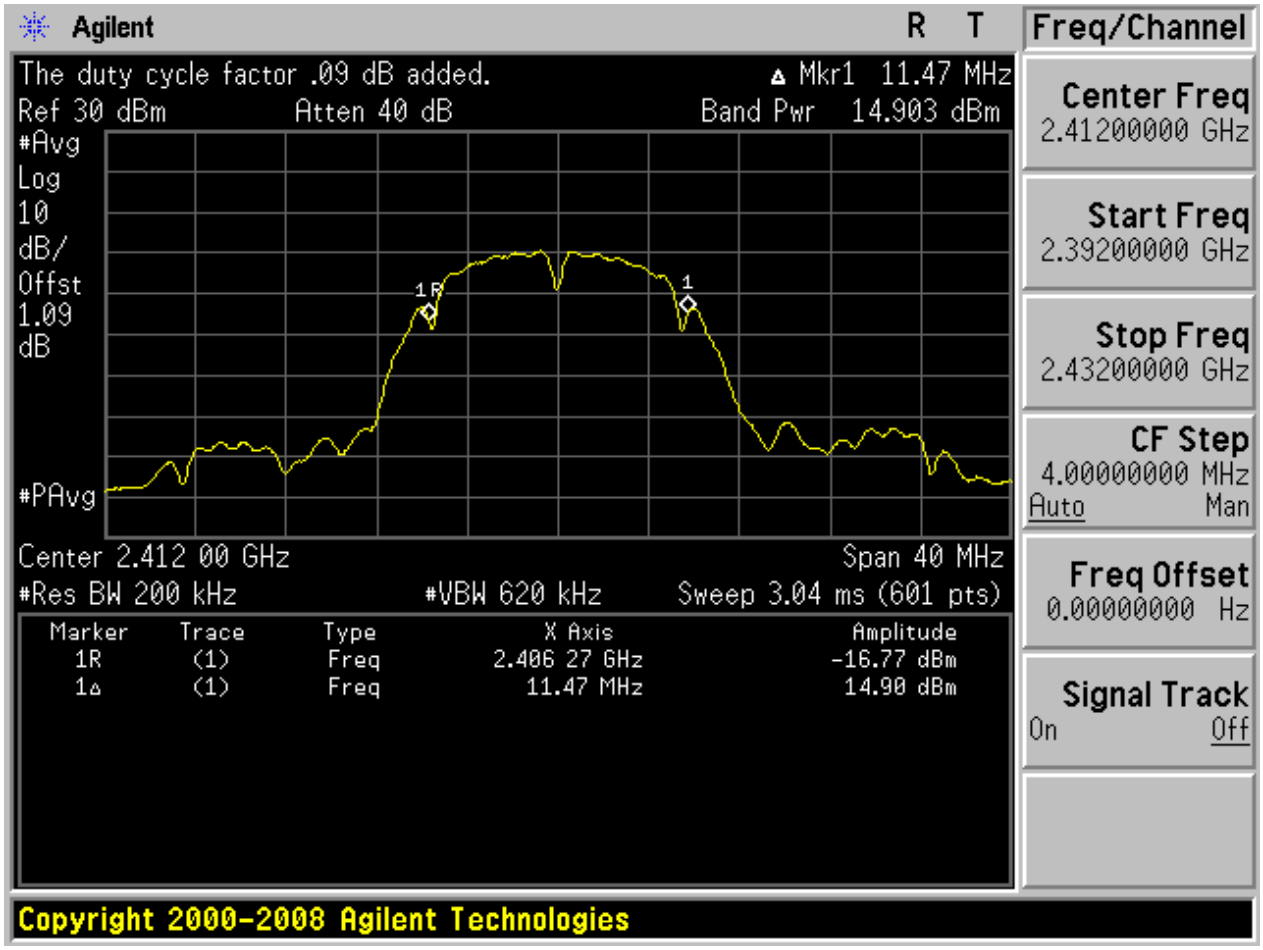
2.2 11B_L@Ant 2



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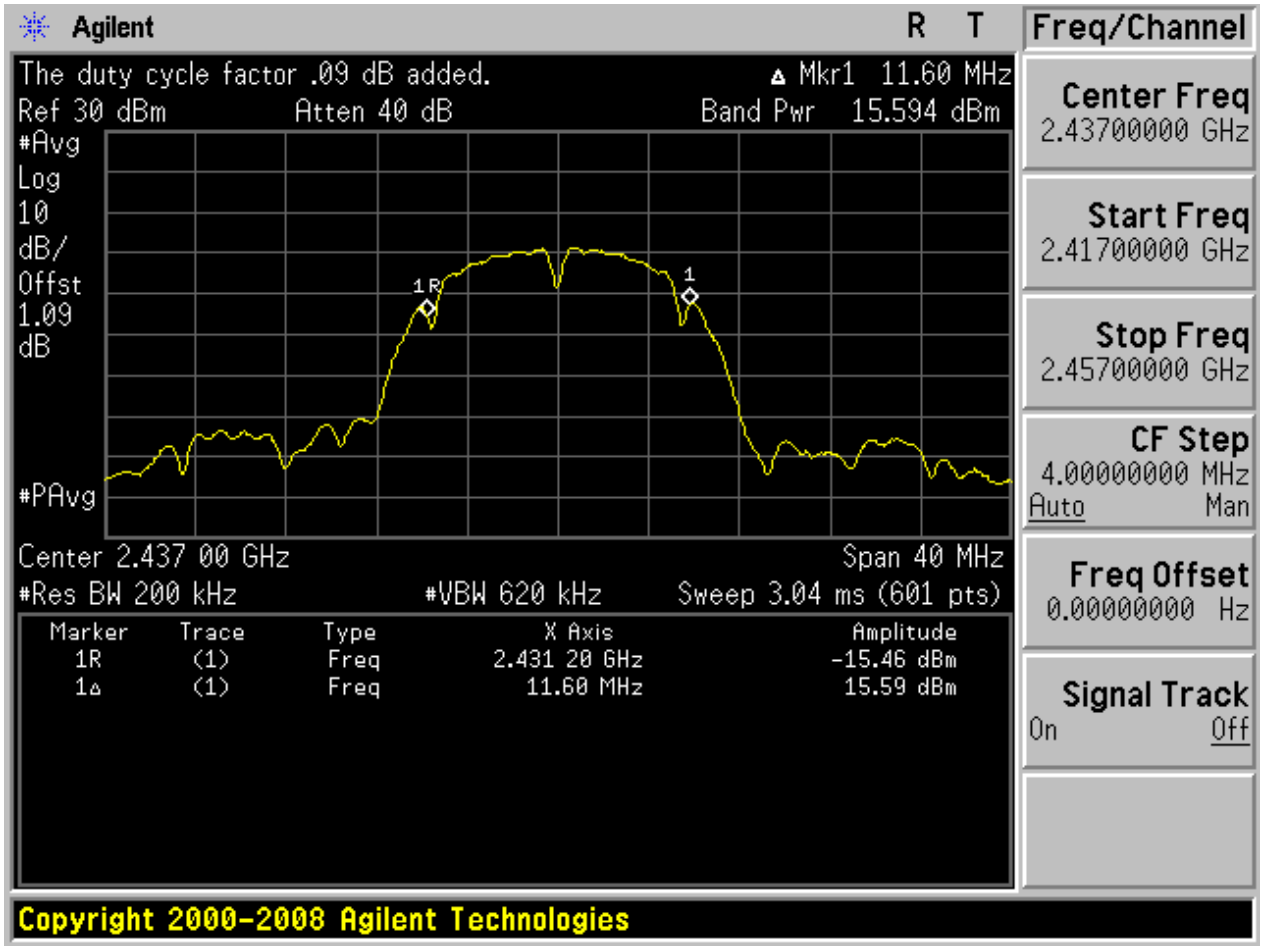
2.3 11B_M@Ant 1



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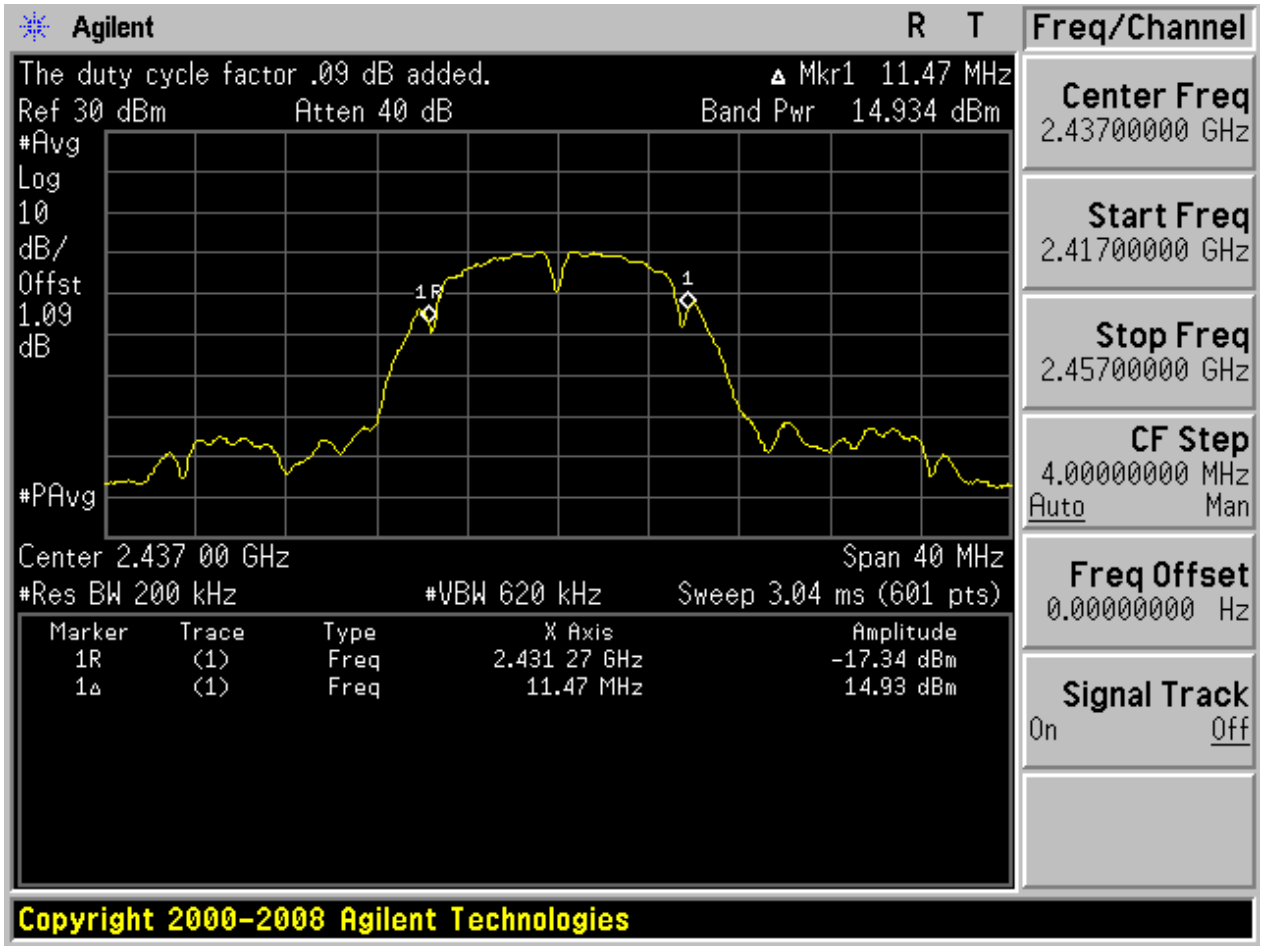
2.4 11B_M@Ant 2



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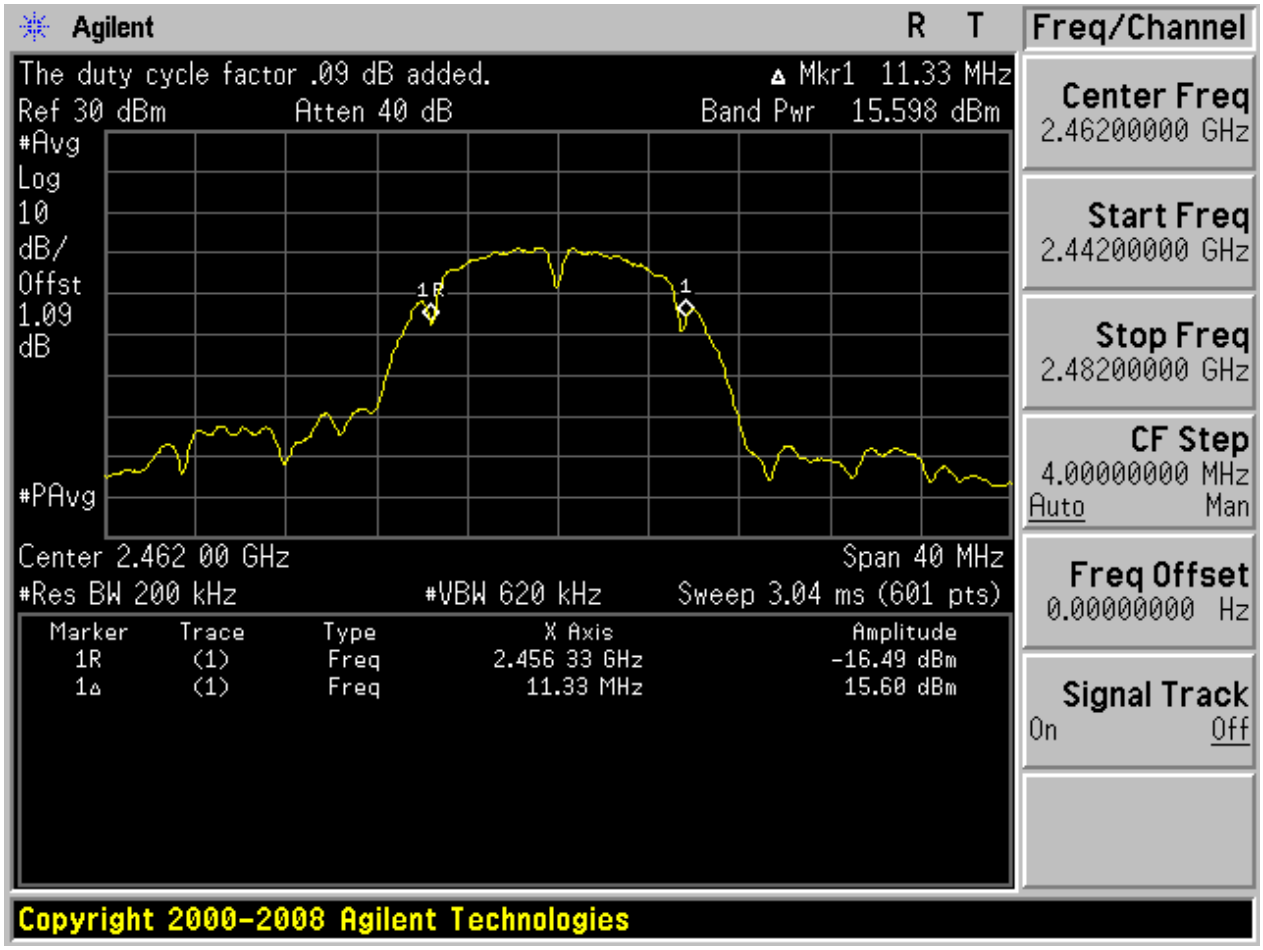
2.5 11B_H@Ant 1



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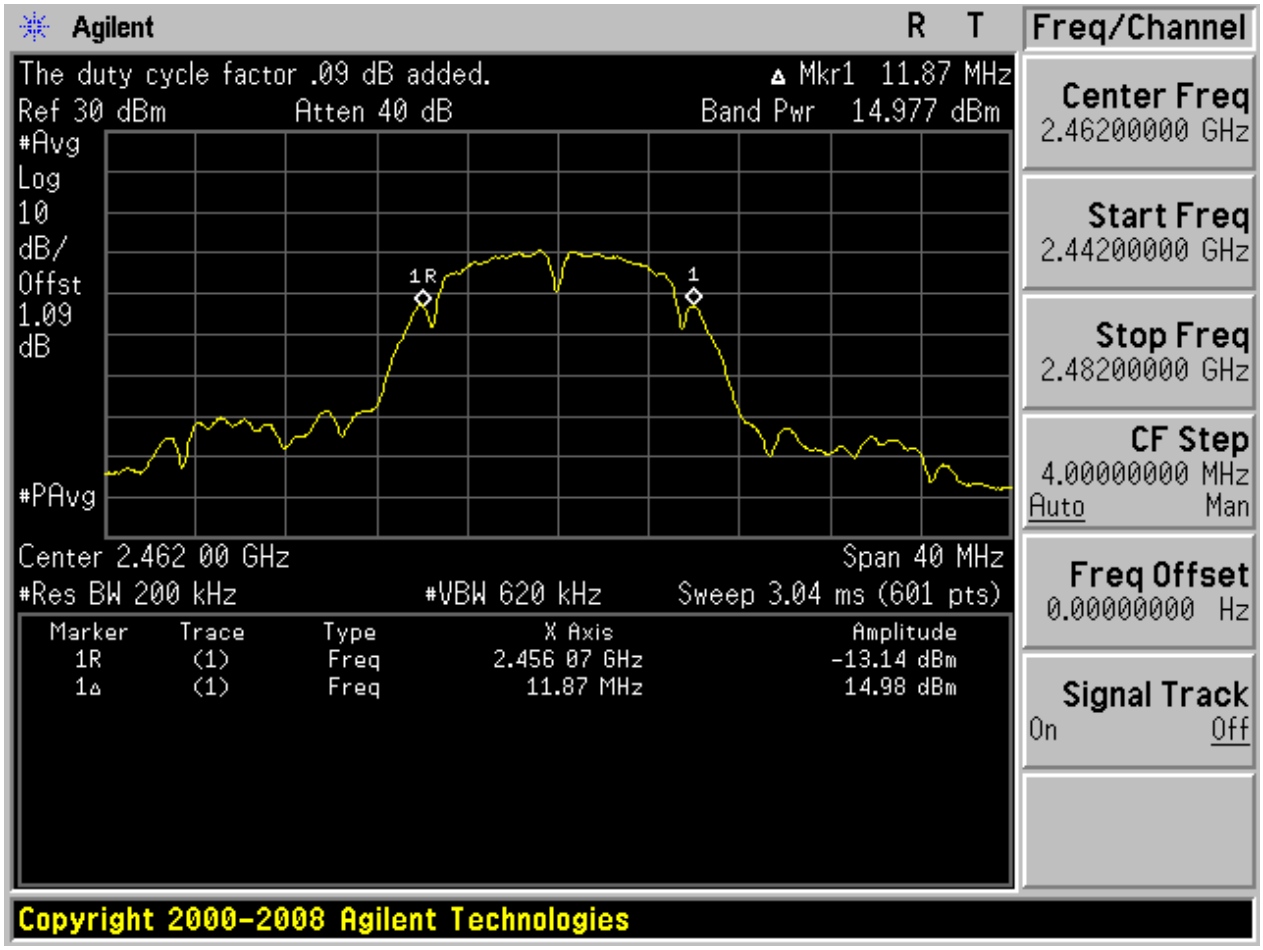
2.6 11B_H@Ant 2



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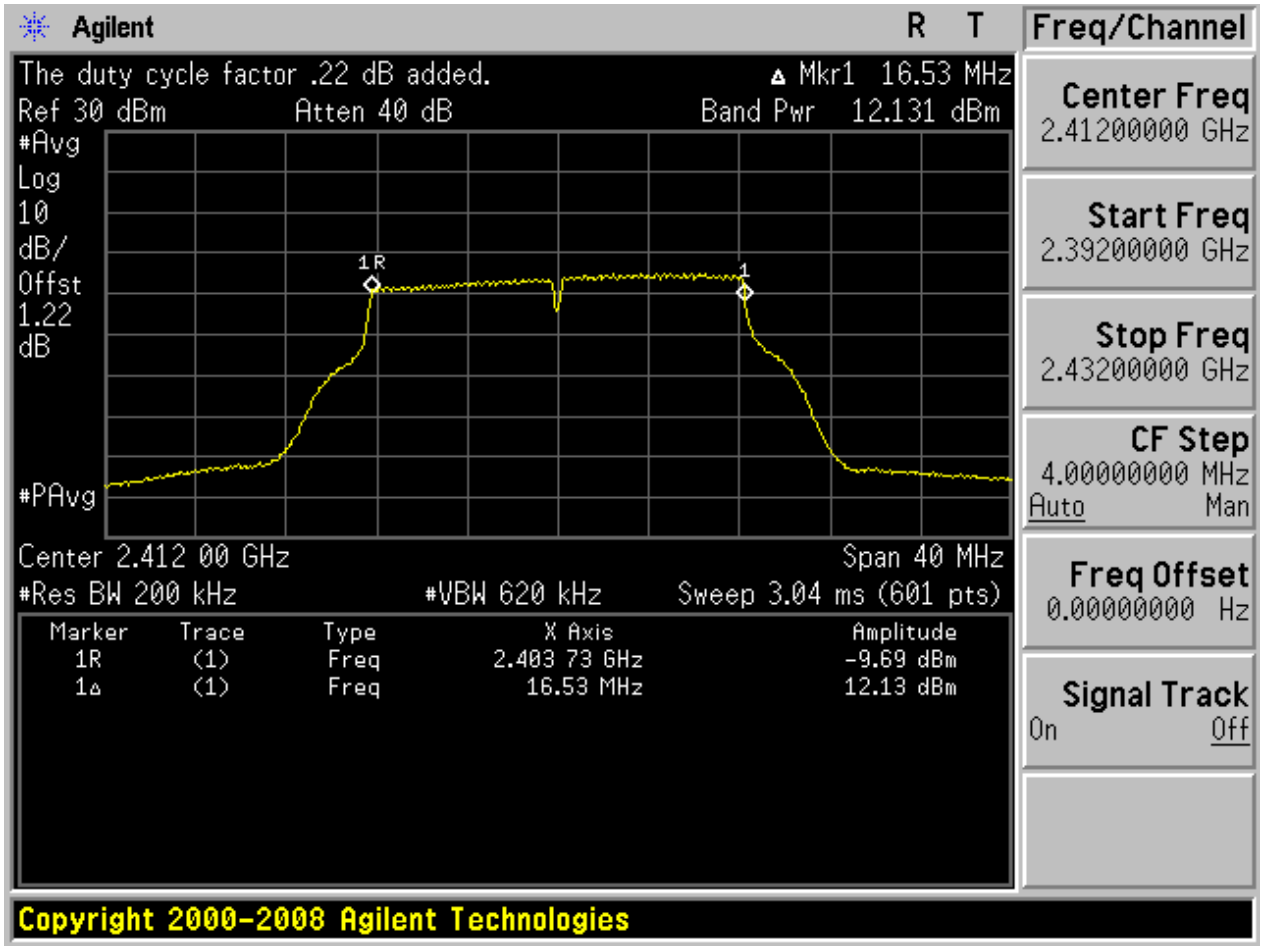
2.7 11G_L@Ant 1



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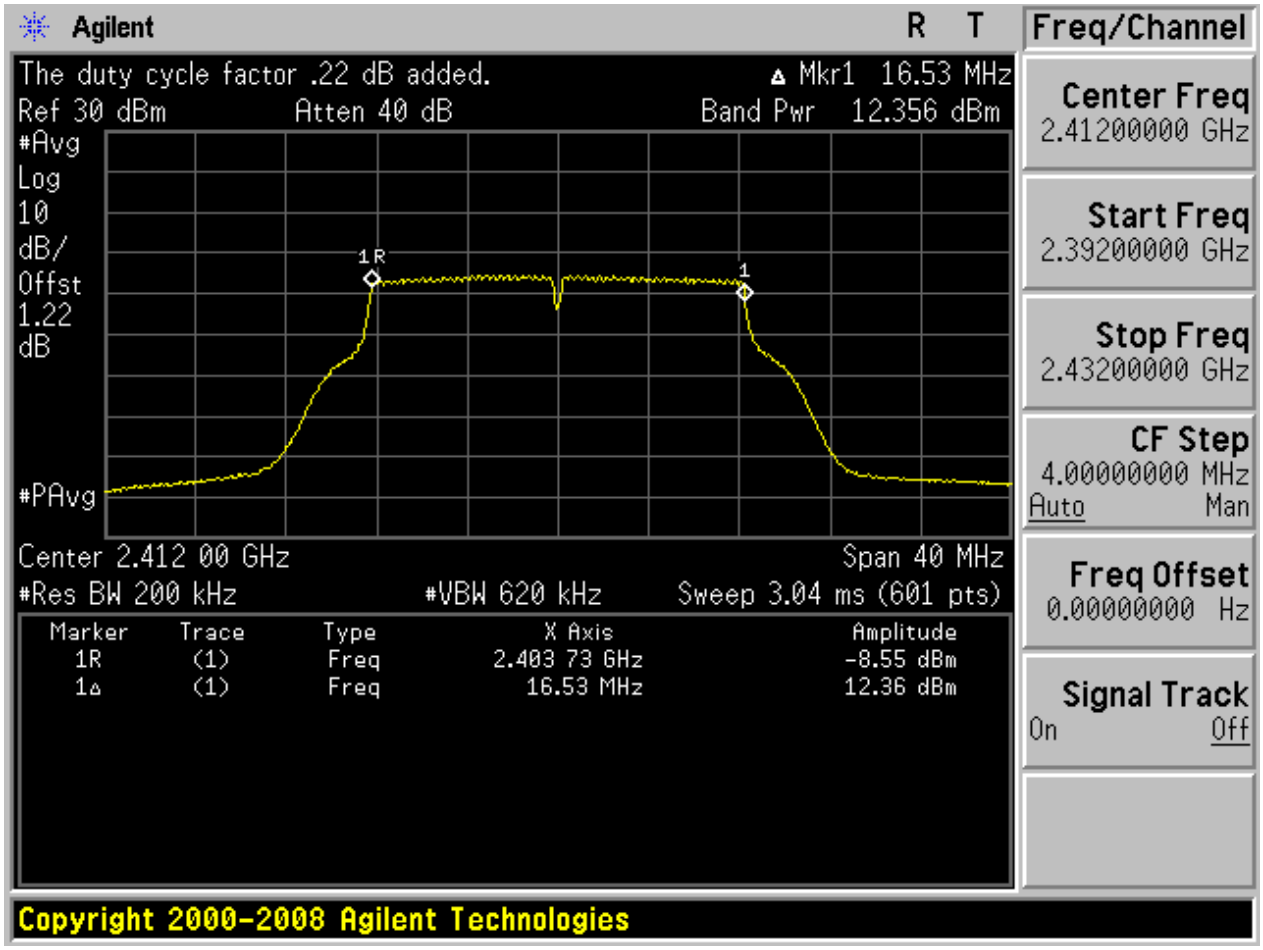
2.8 11G_L@Ant 2



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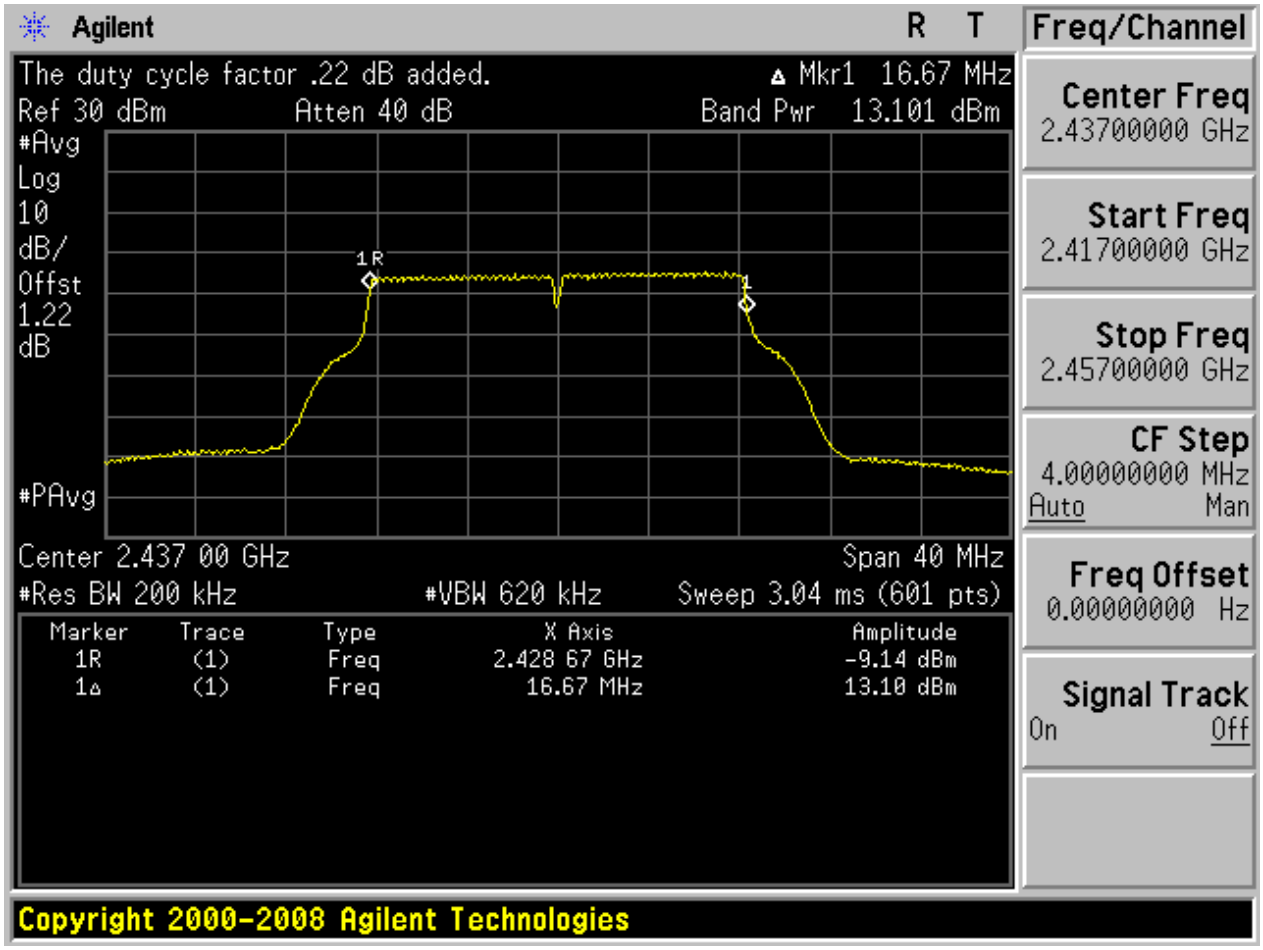
2.9 11G_M@Ant 1



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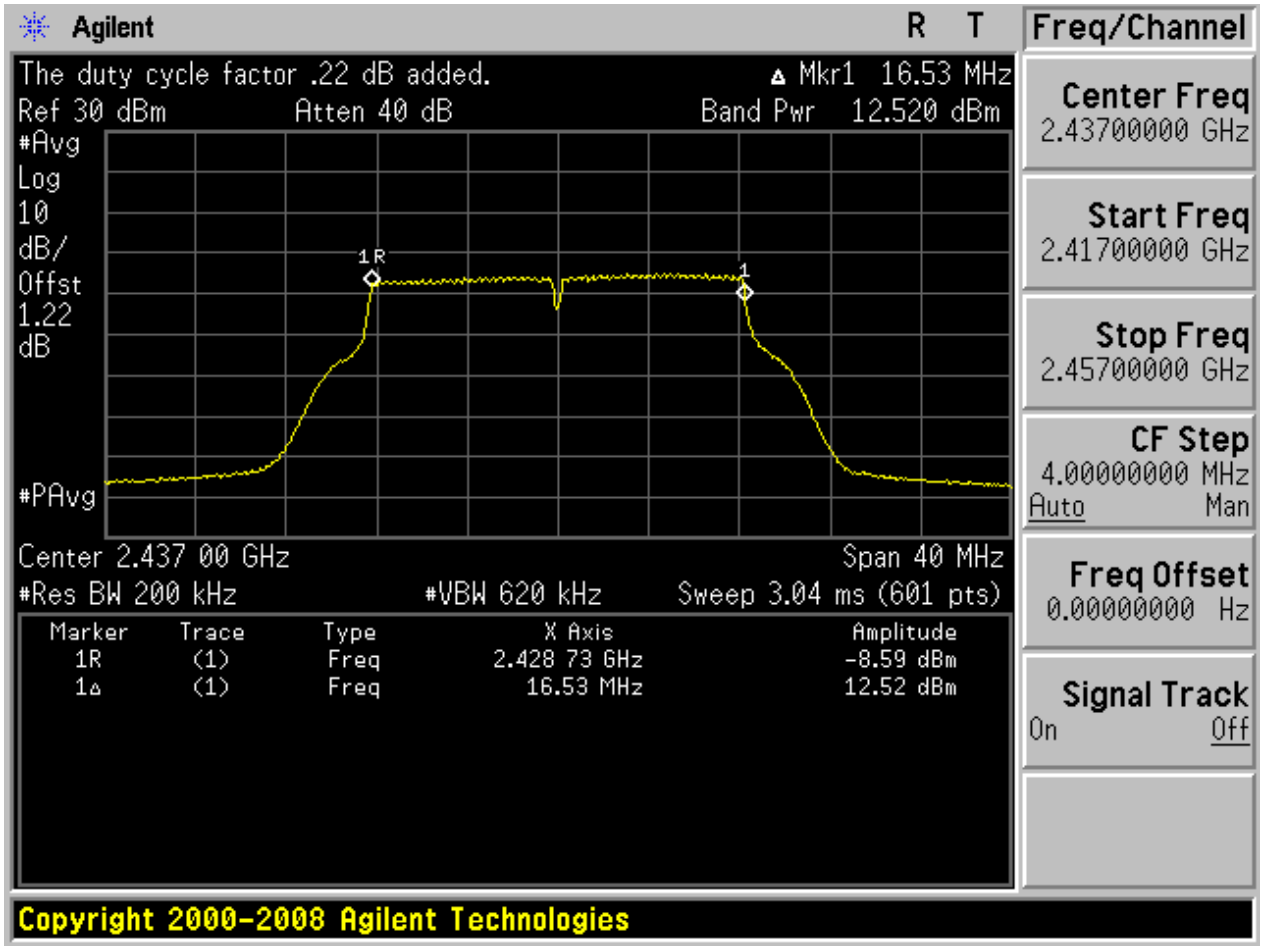
2.10 11G_M@Ant 2



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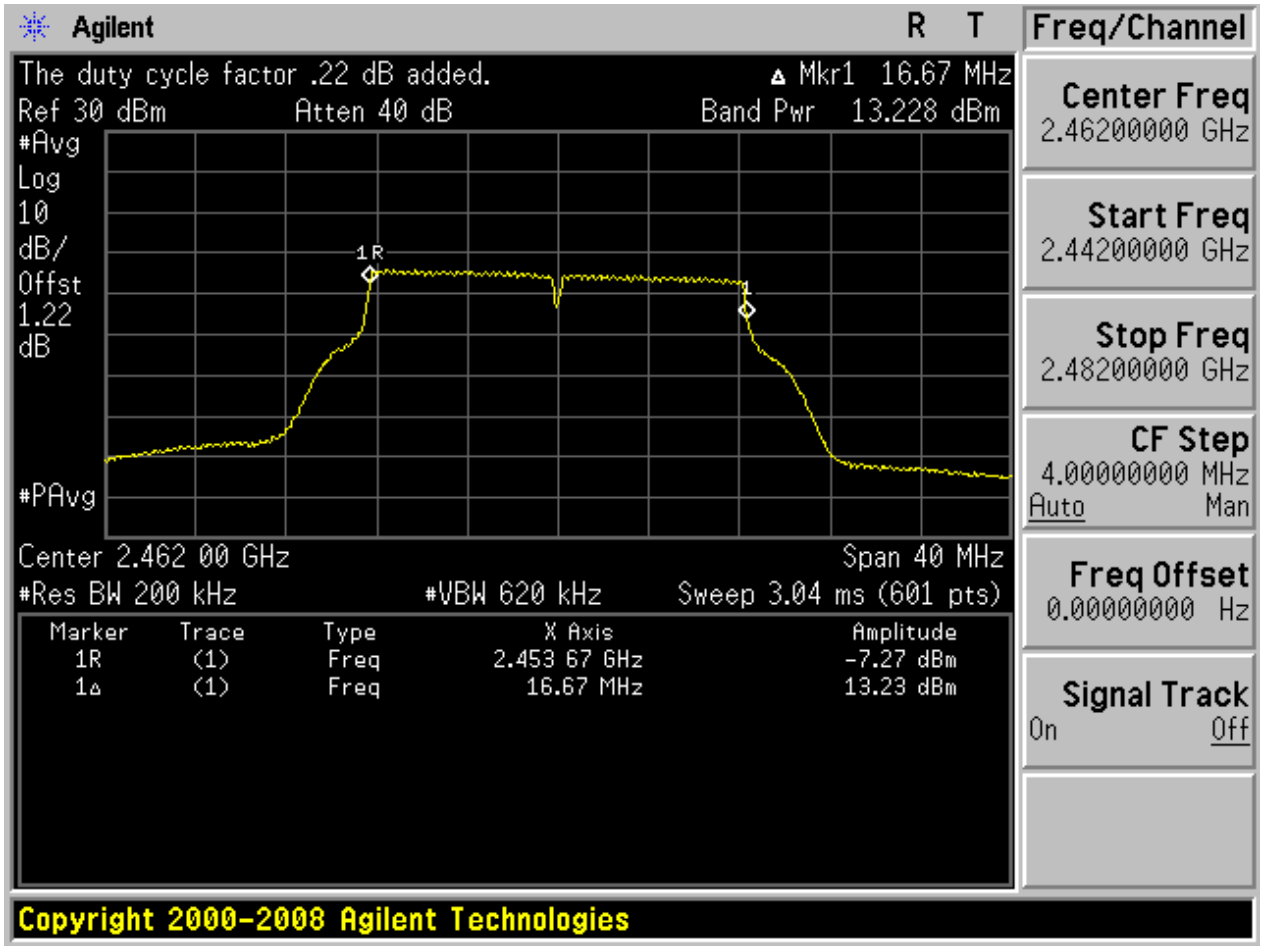
2.11 11G_H@Ant 1



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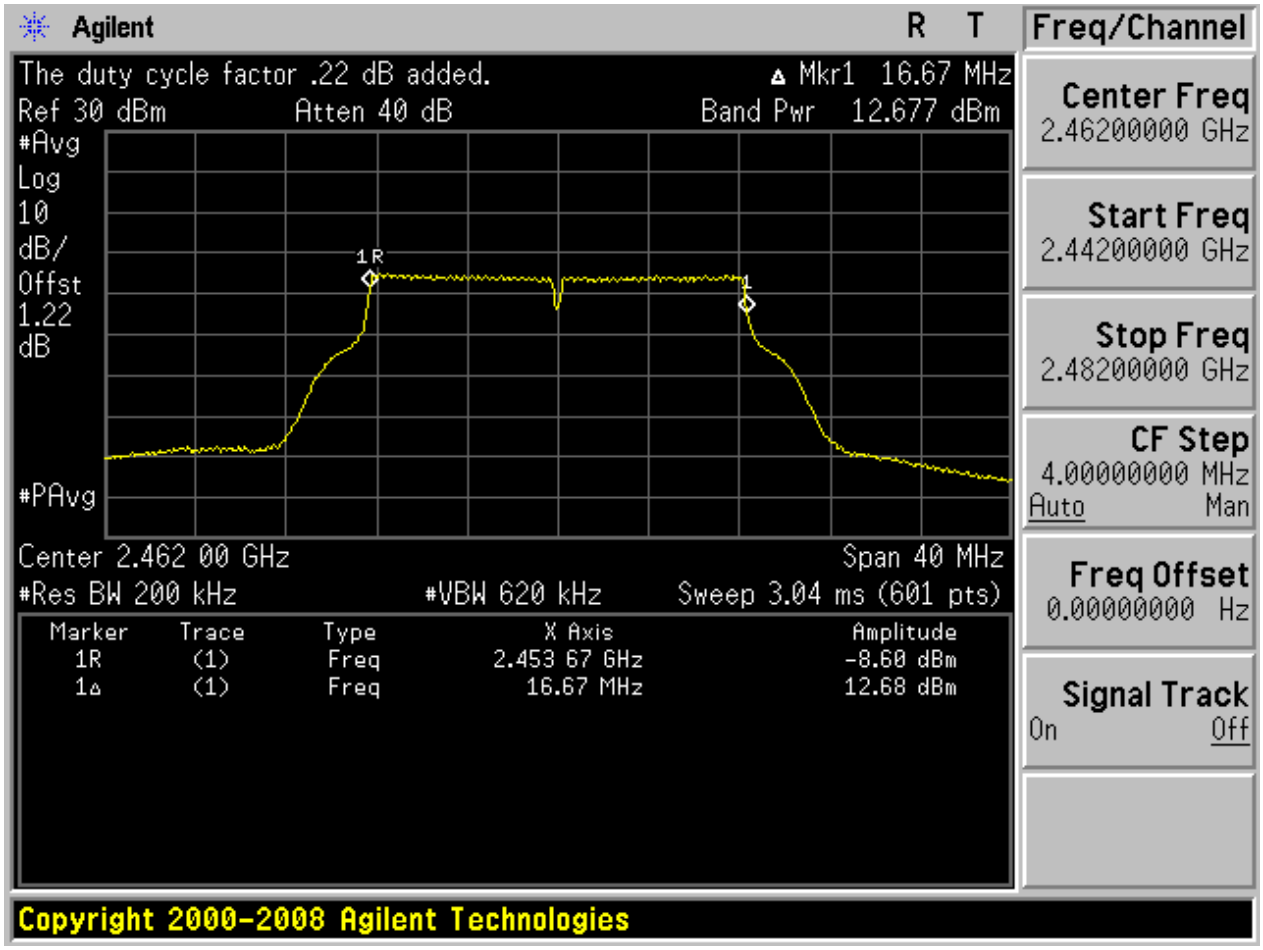
2.12 11G_H@Ant 2



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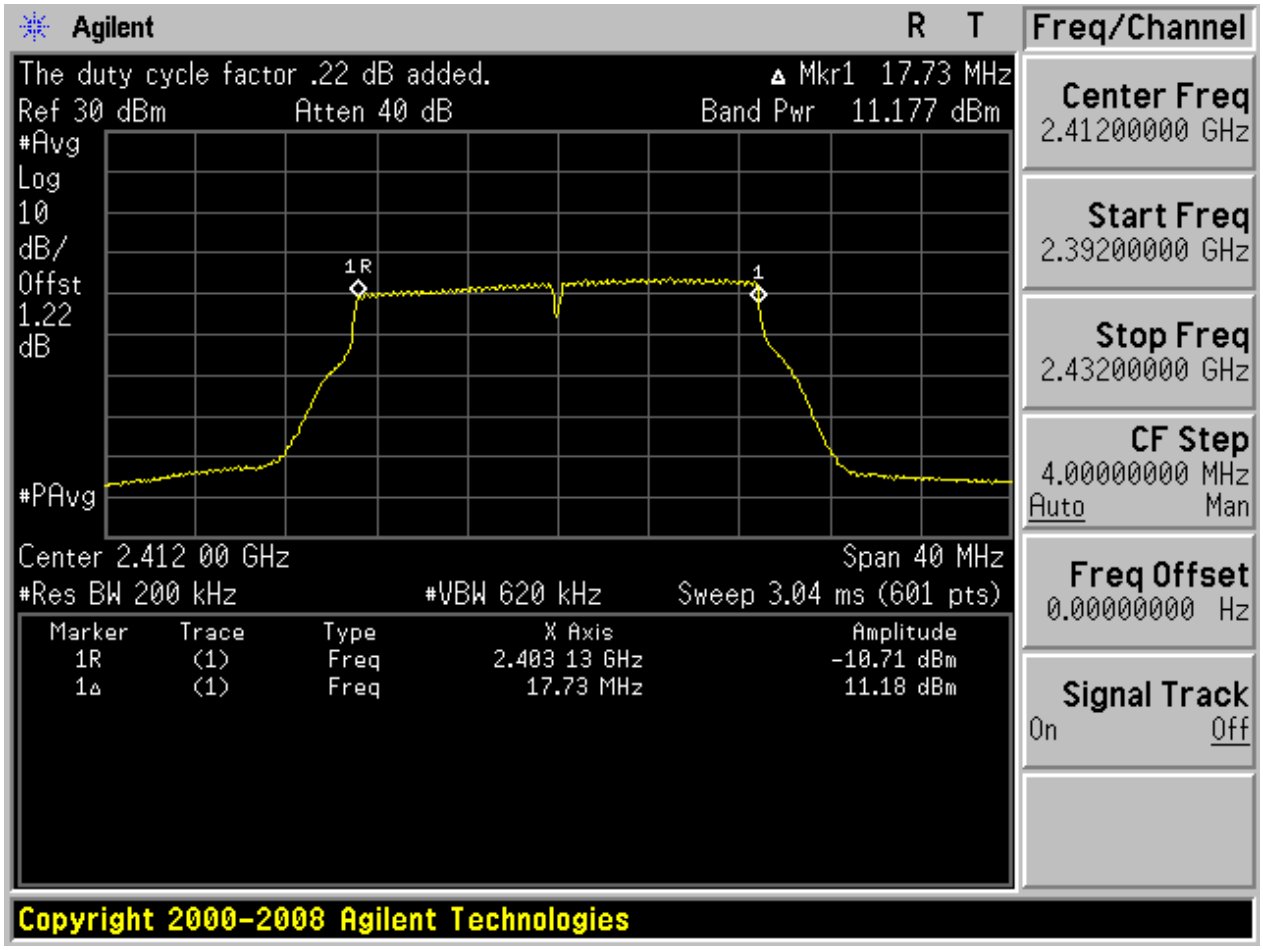
2.13 11N20_L@Ant 1



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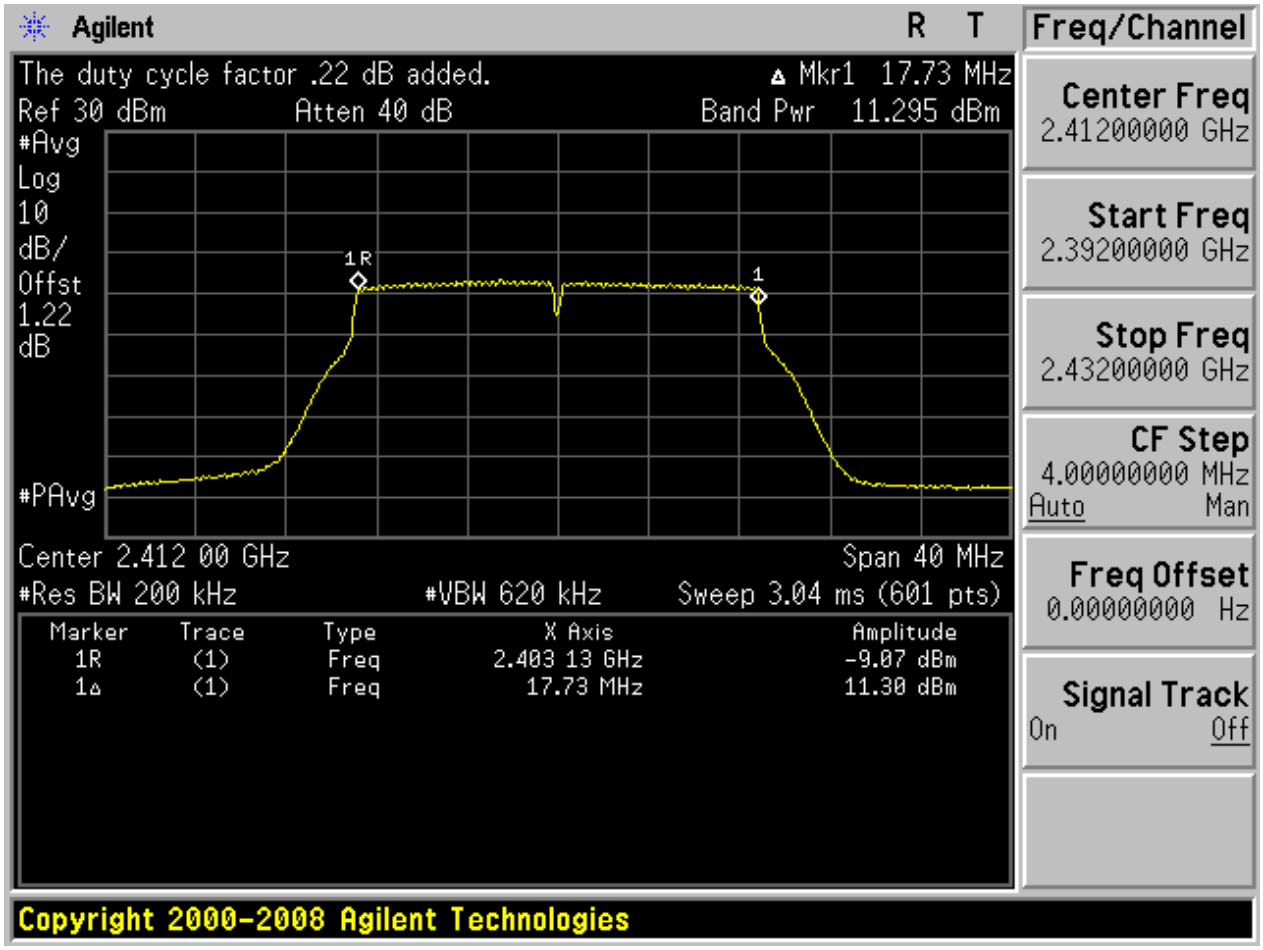
2.14 11N20_L@Ant 2



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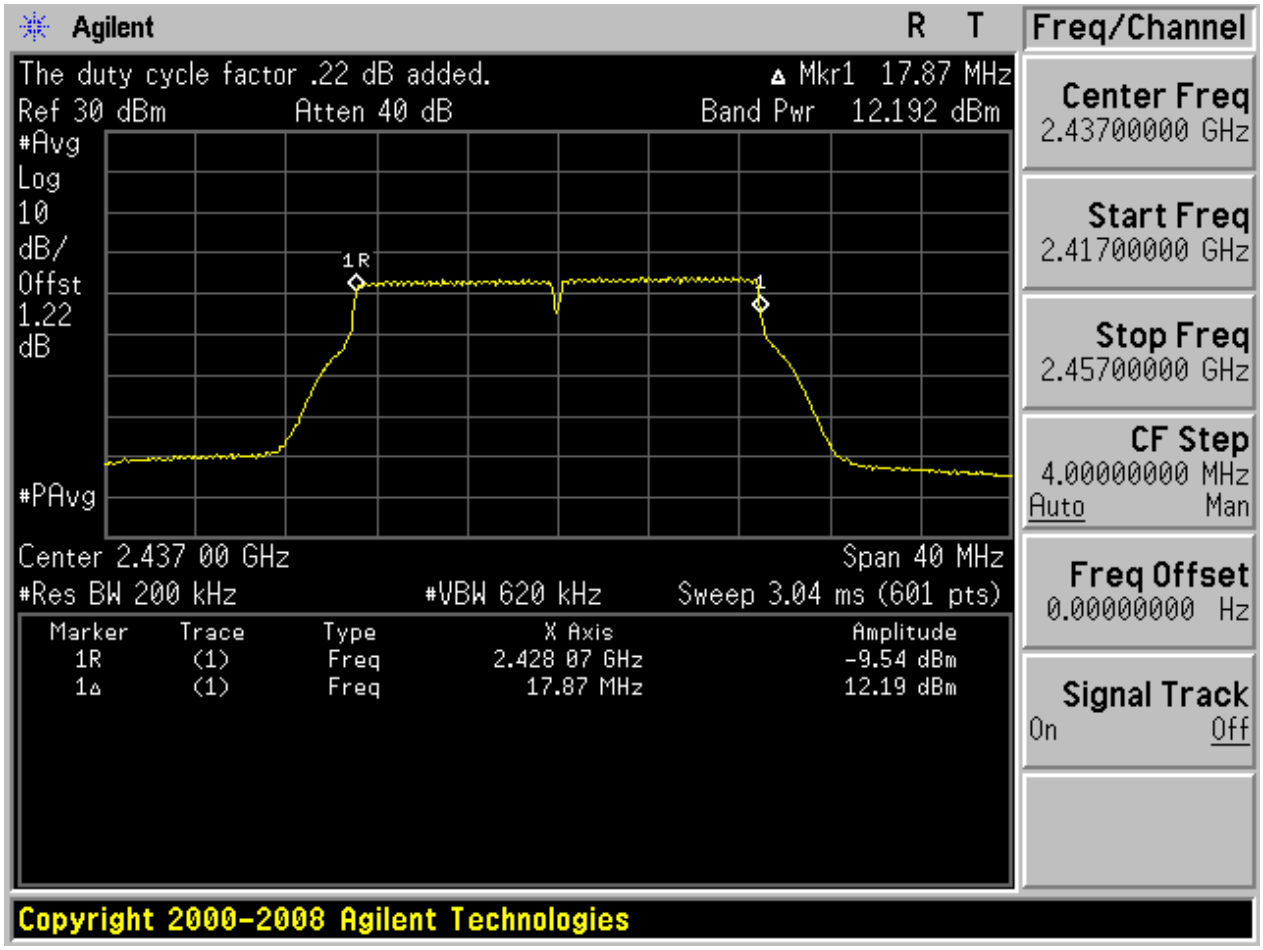
2.15 11N20_M@Ant 1



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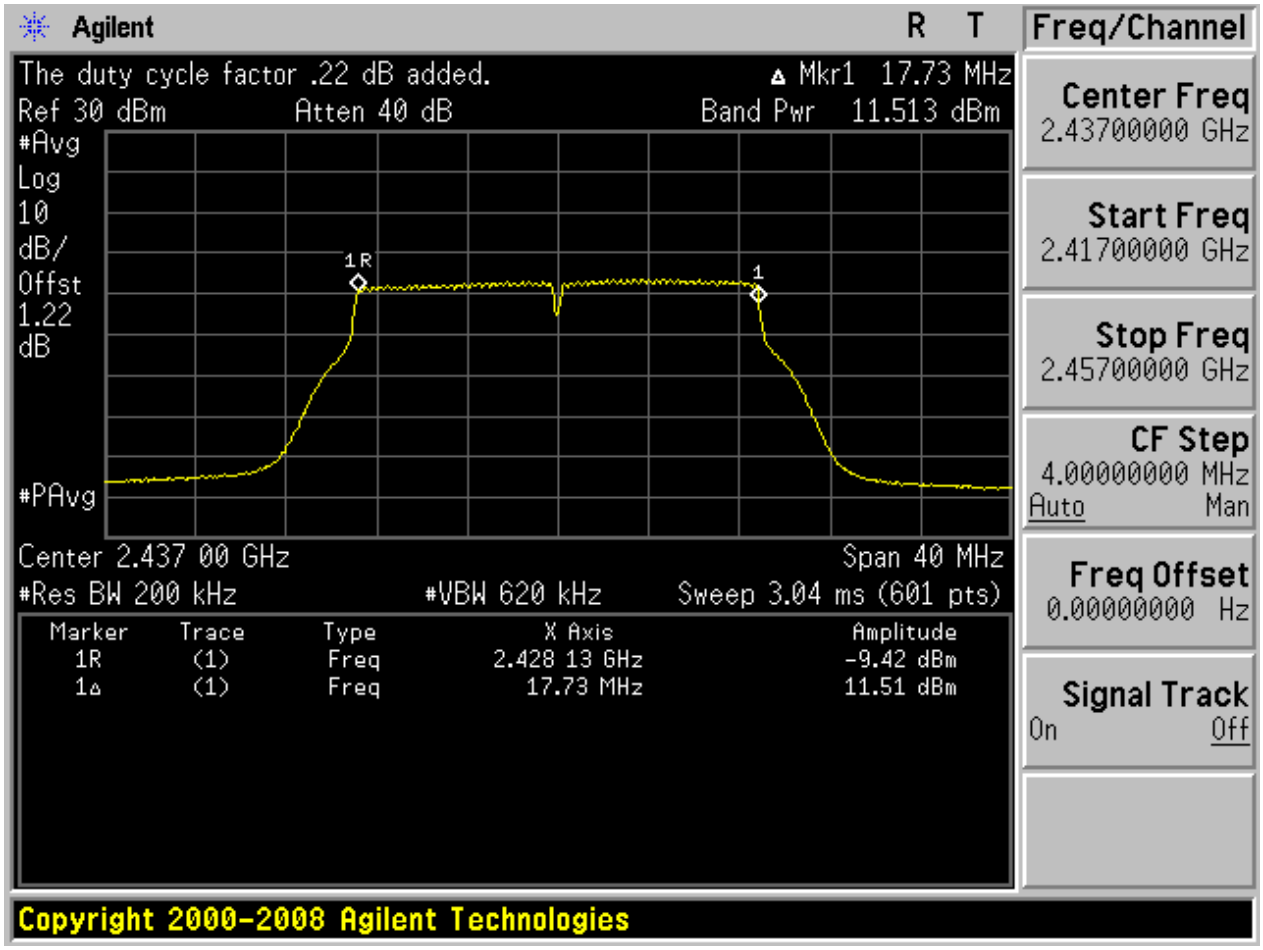
2.16 11N20_M@Ant 2



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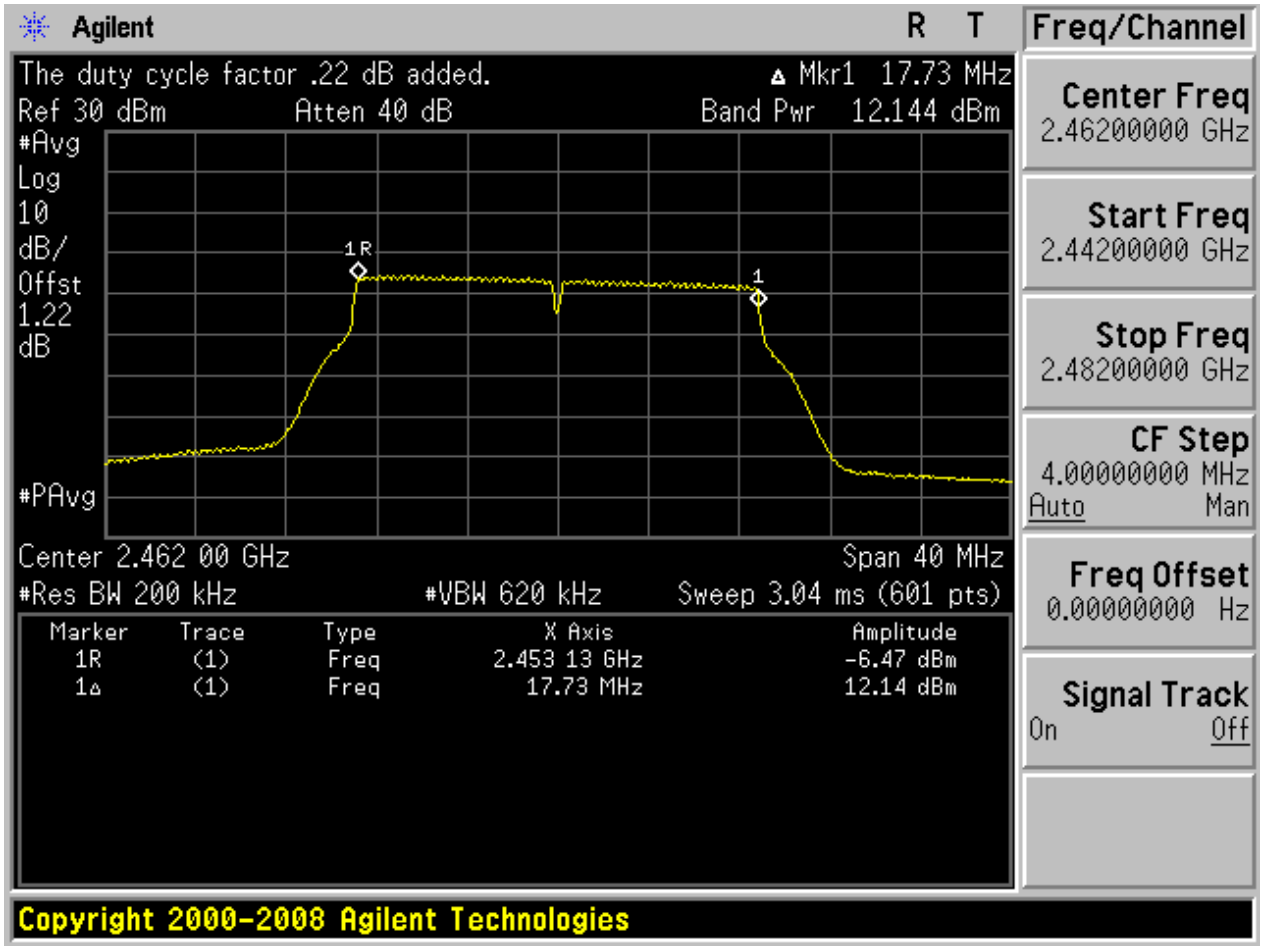
2.17 11N20_H@Ant 1



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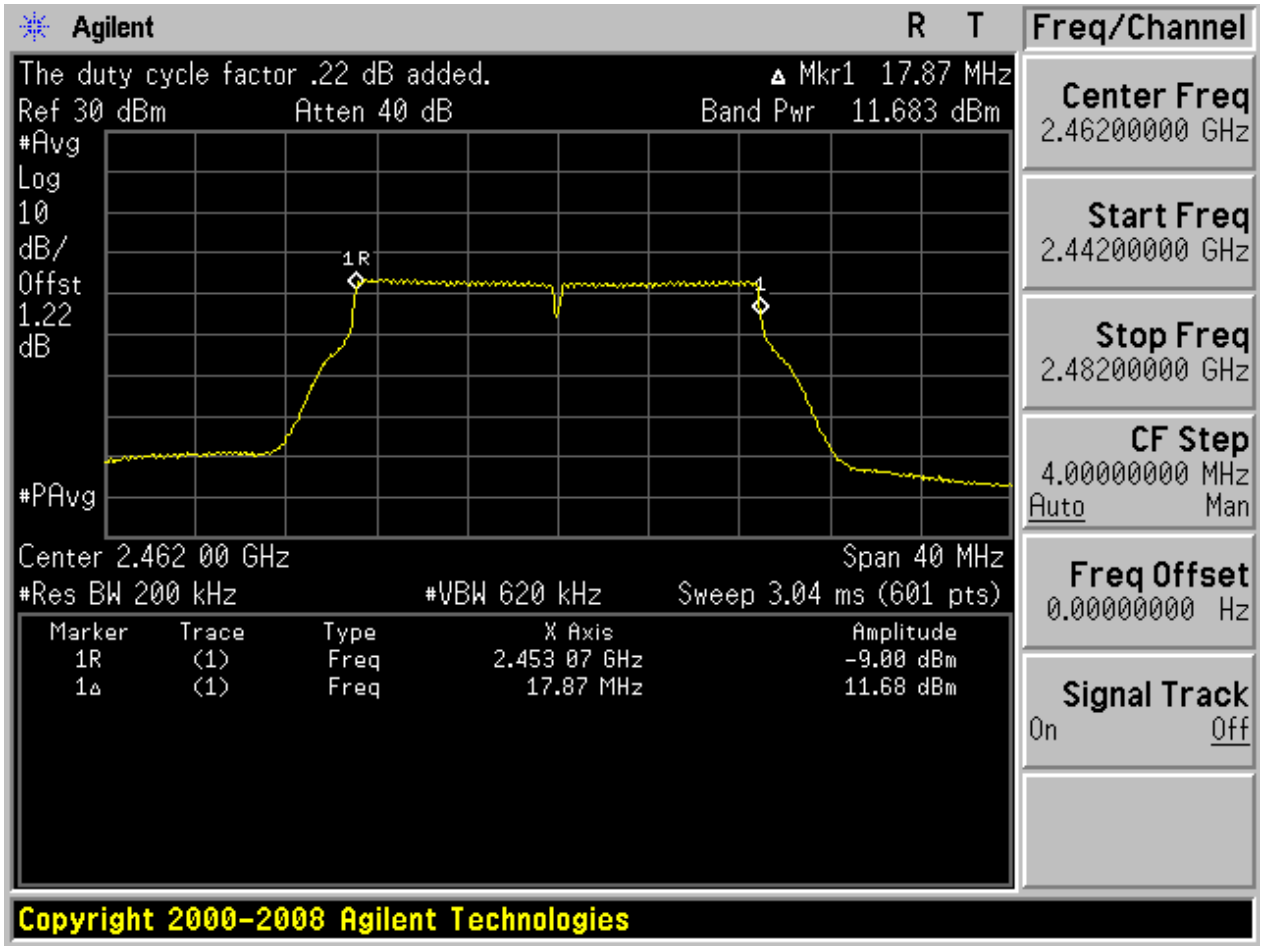
2.18 11N20_H@Ant 2



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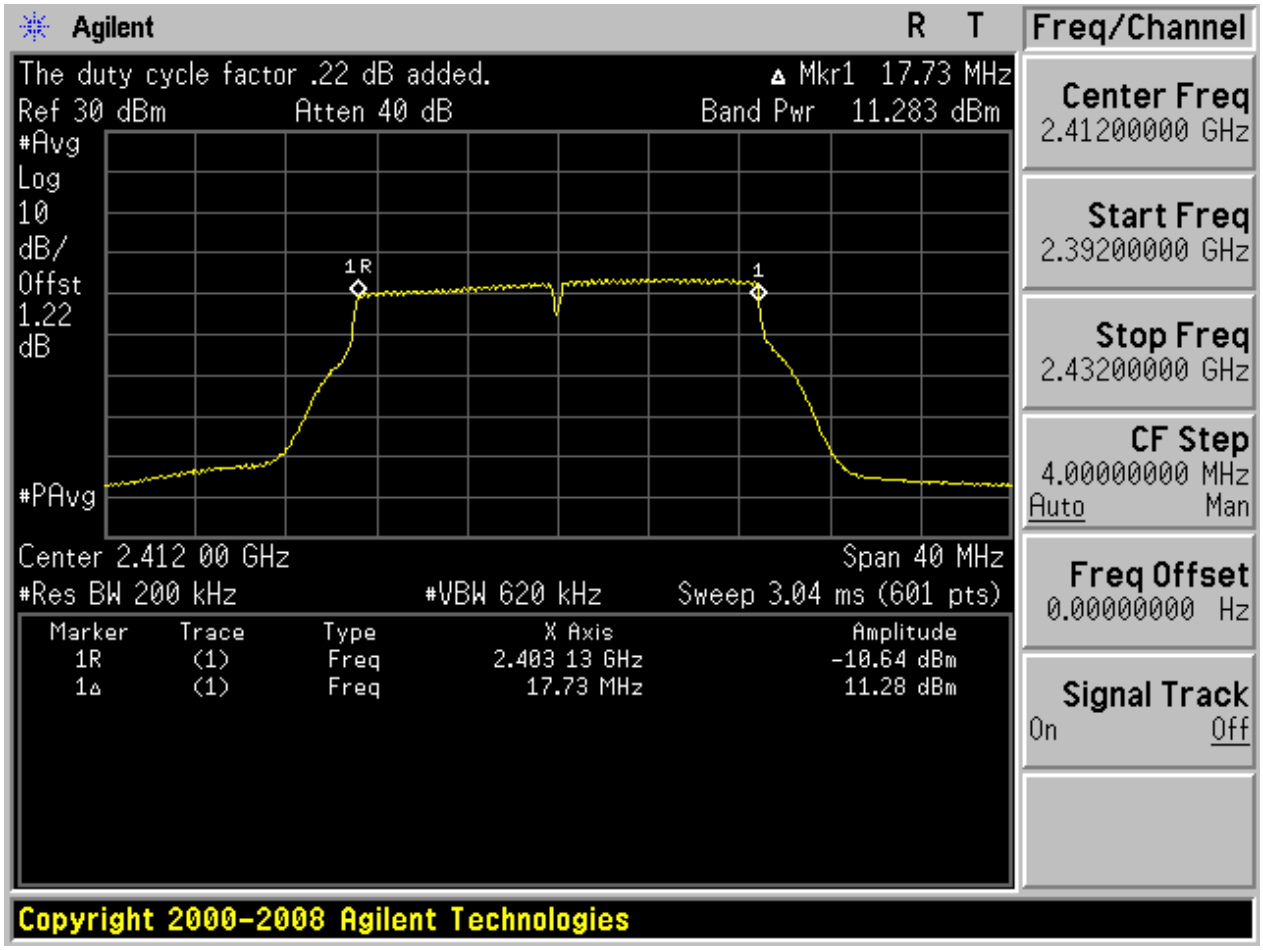
2.19 11N20m_L@Ant 1



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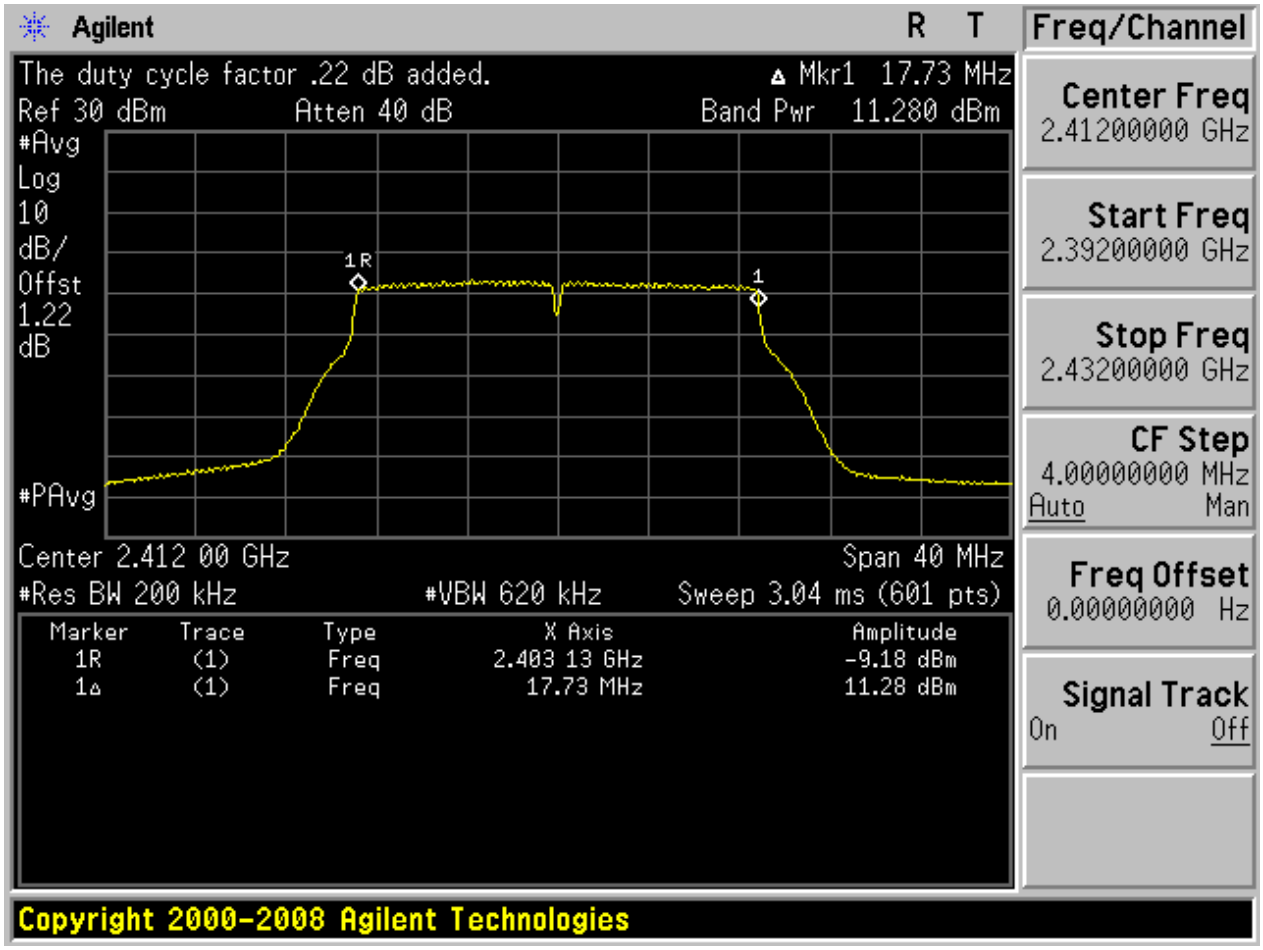
2.20 11N20m_L@Ant 2



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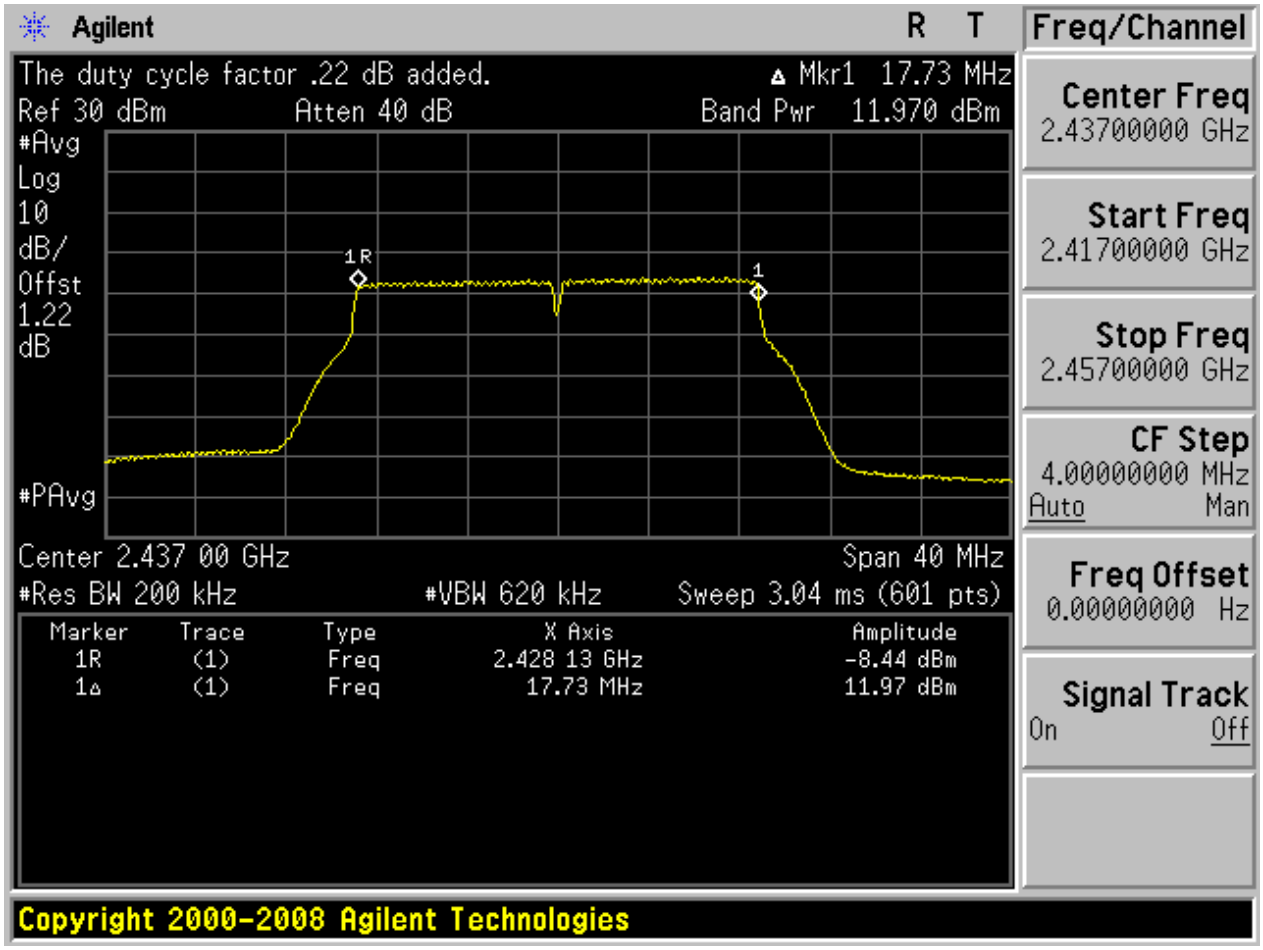
2.21 11N20m_M@Ant 1



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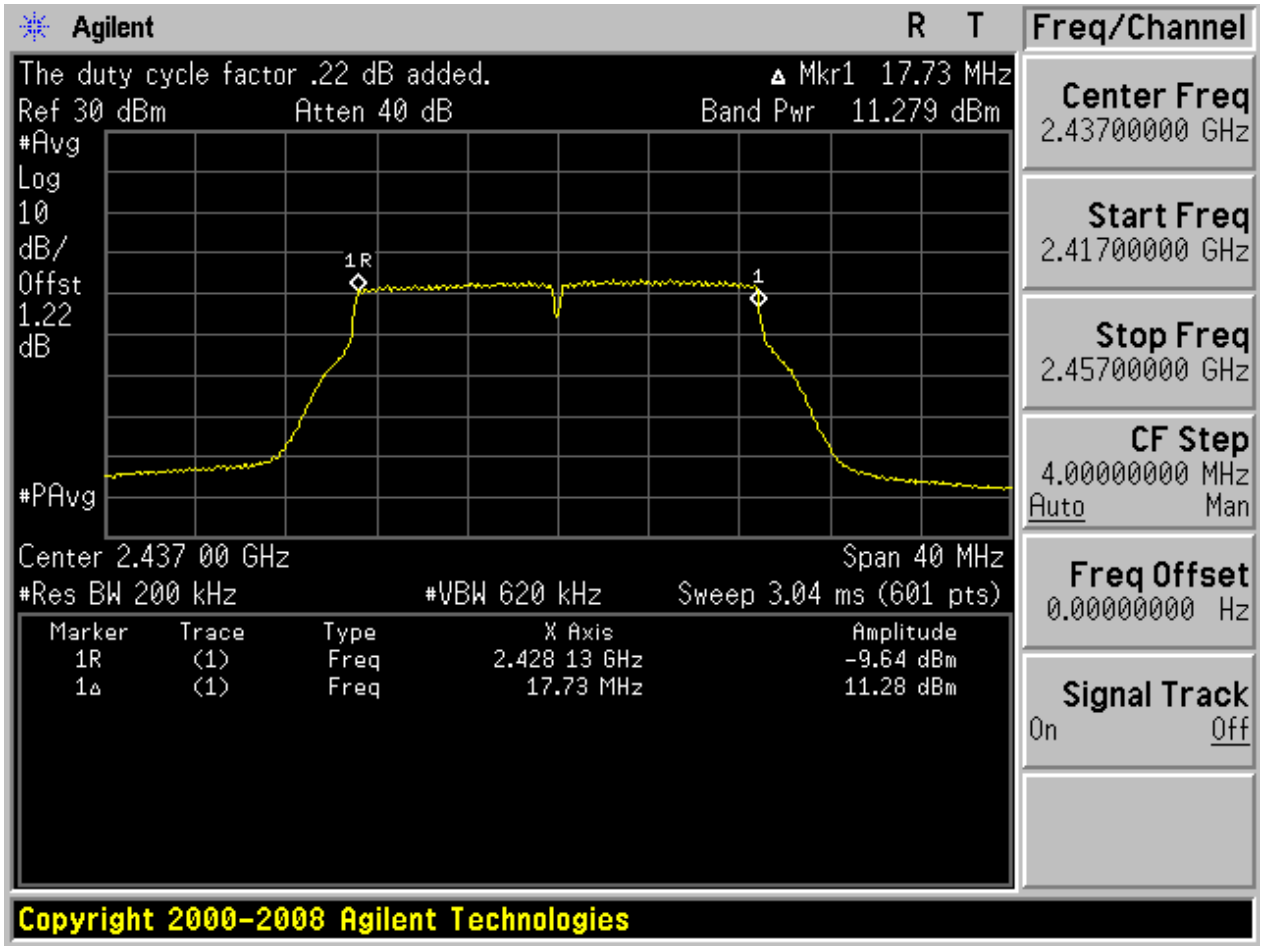
2.22 11N20m_M@Ant 2



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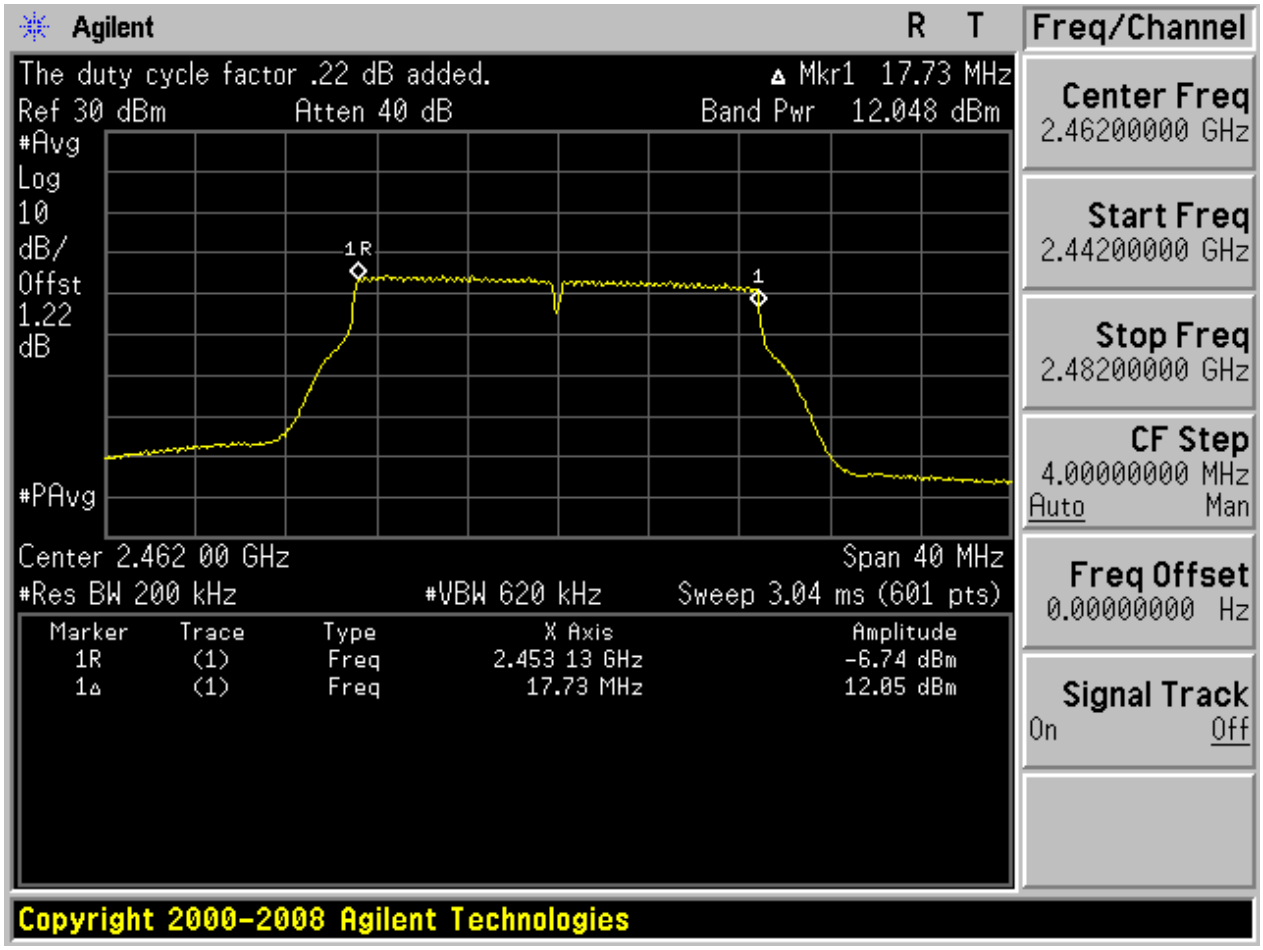
2.23 11N20m_H@Ant 1



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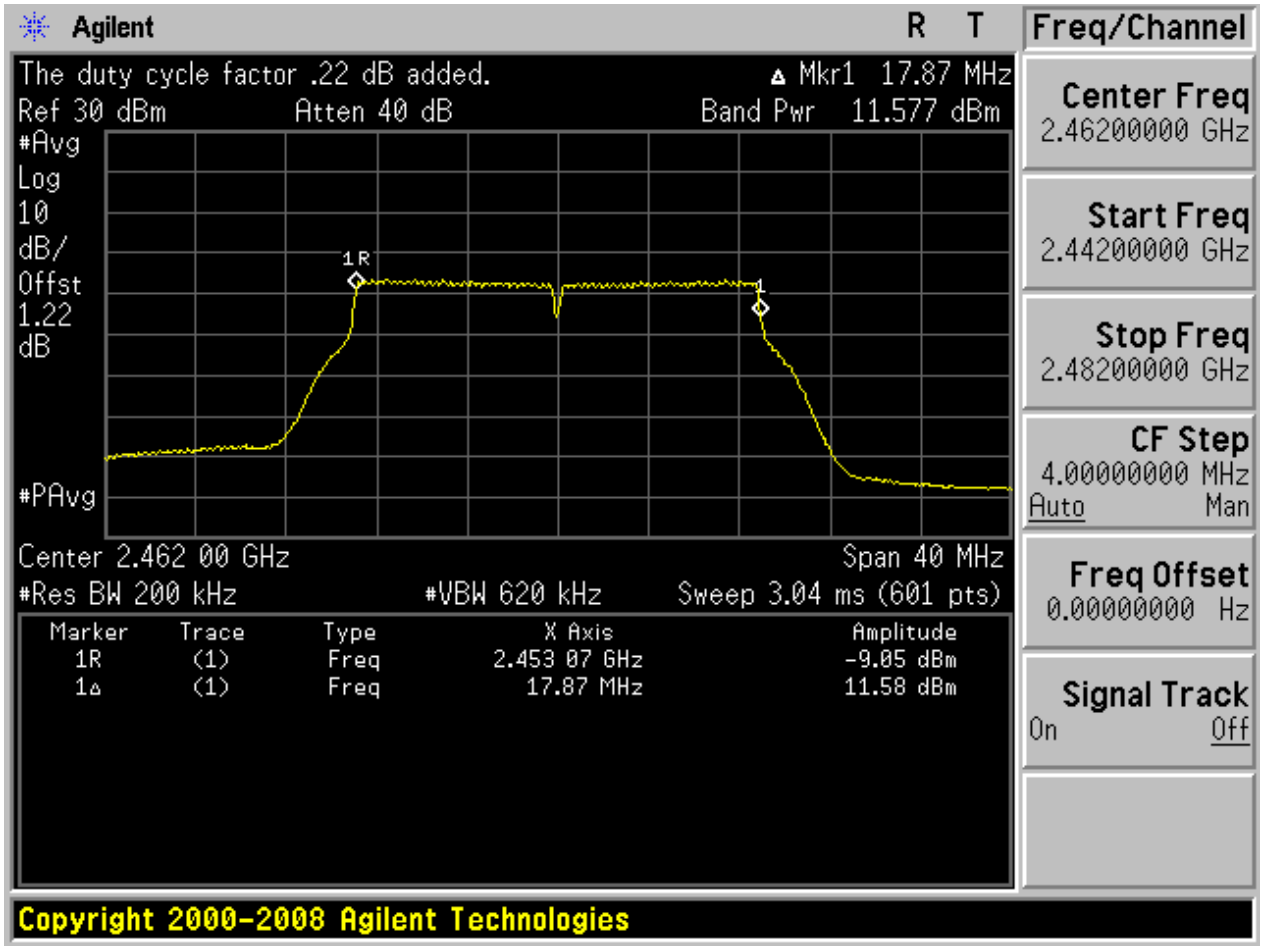
2.24 11N20m_H@Ant 2



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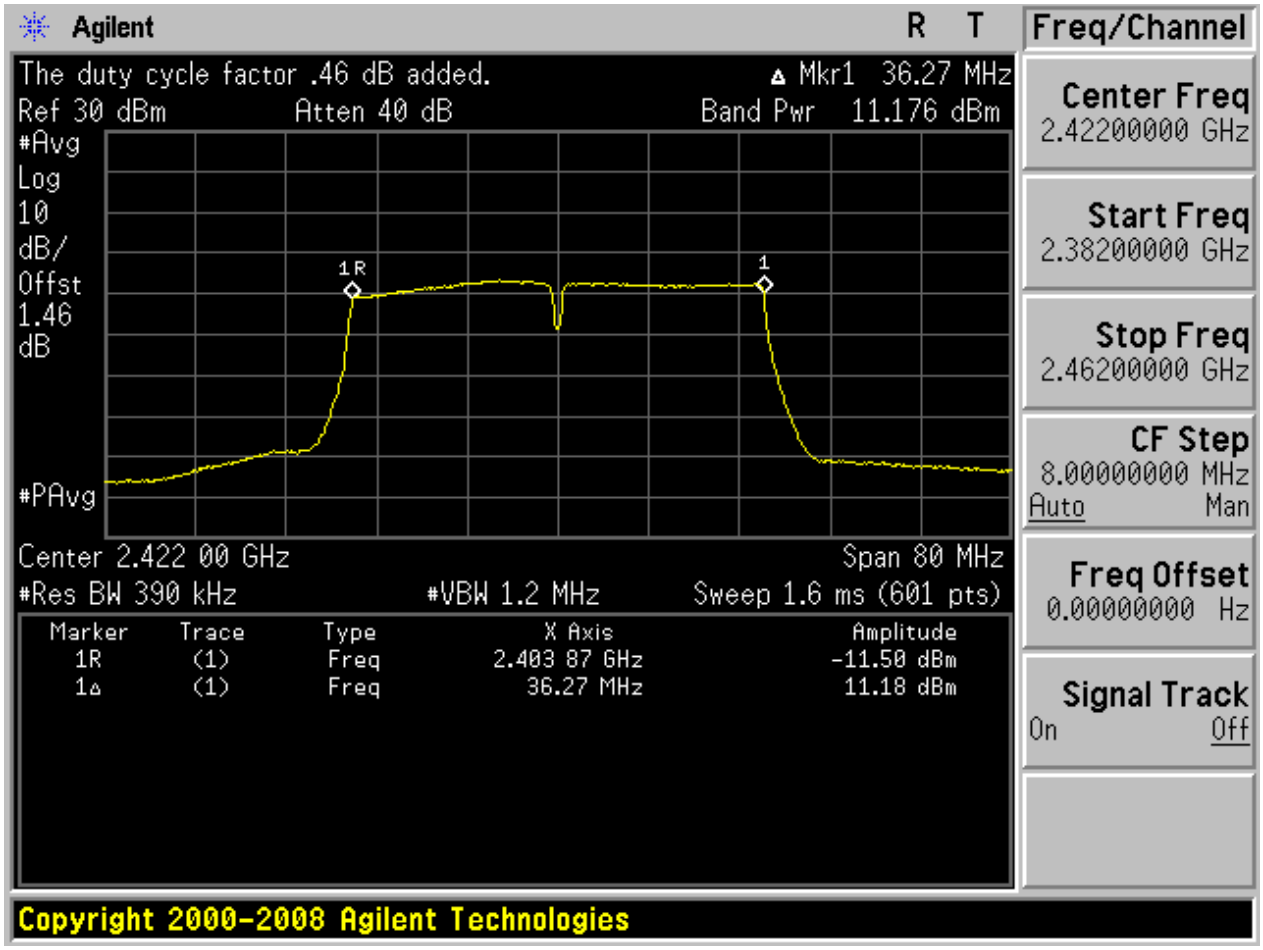
2.25 11N40_L@Ant 1



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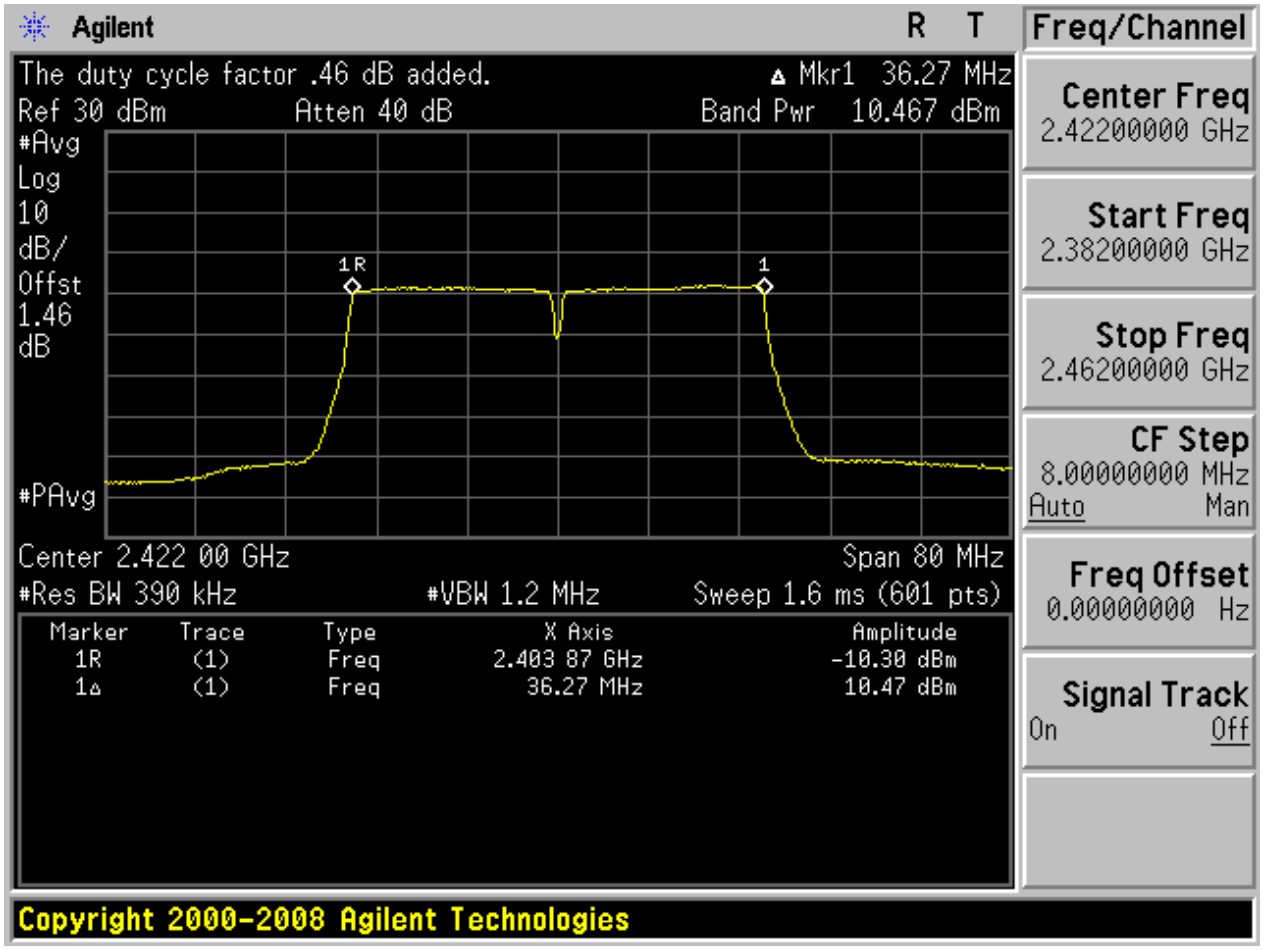
2.26 11N40_L@Ant 2



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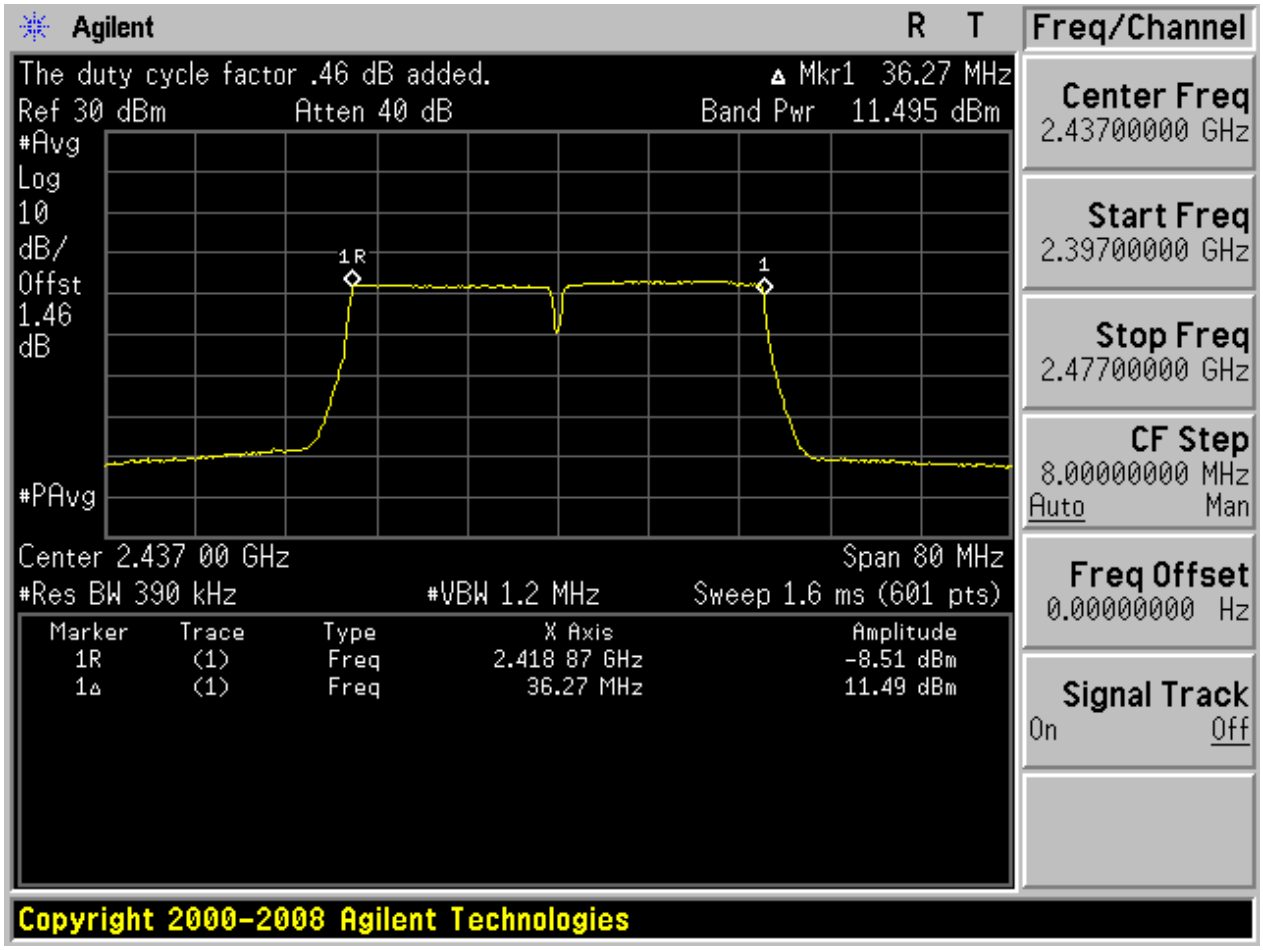
2.27 11N40_M@Ant 1



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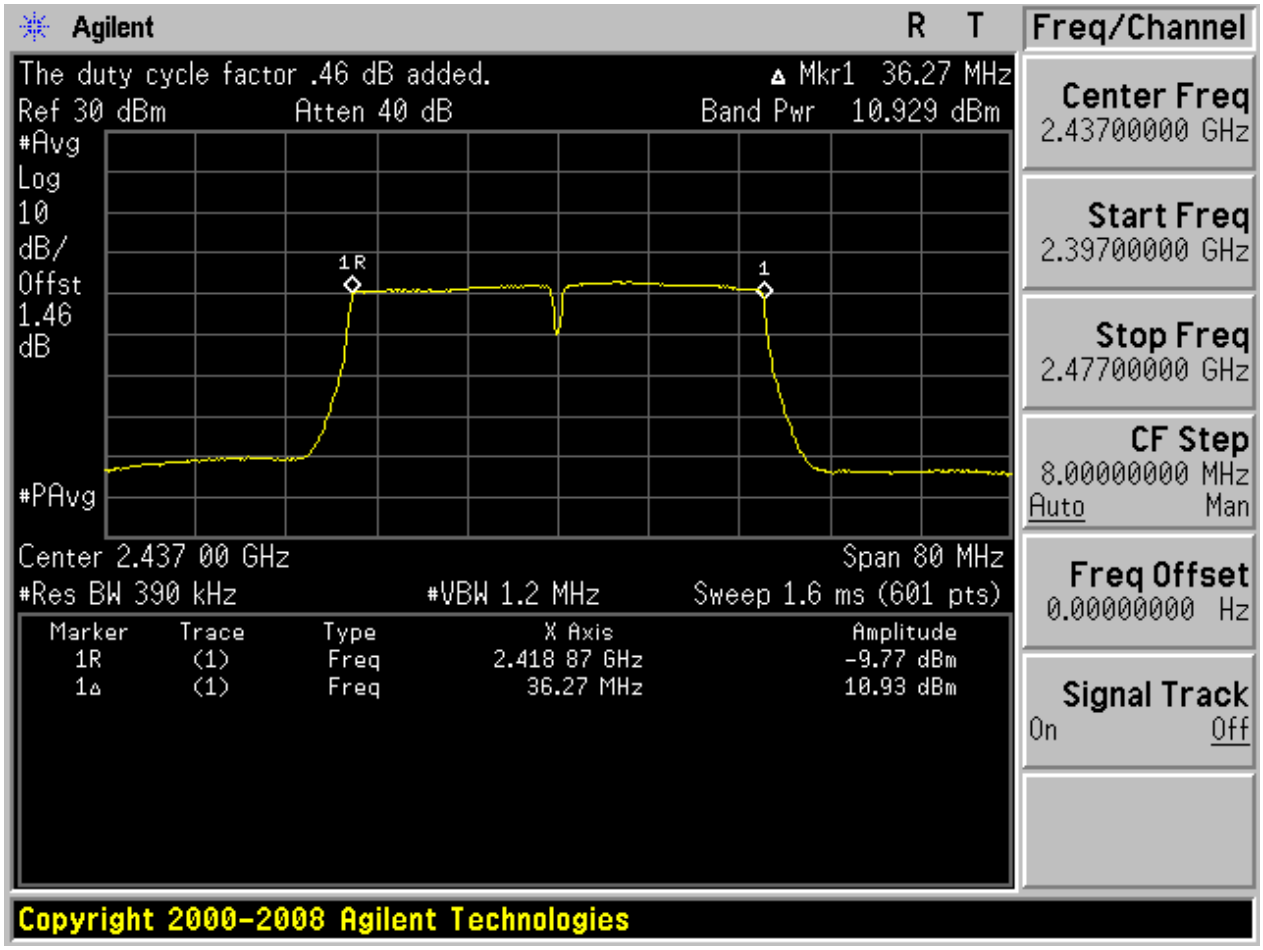
2.28 11N40_M@Ant 2



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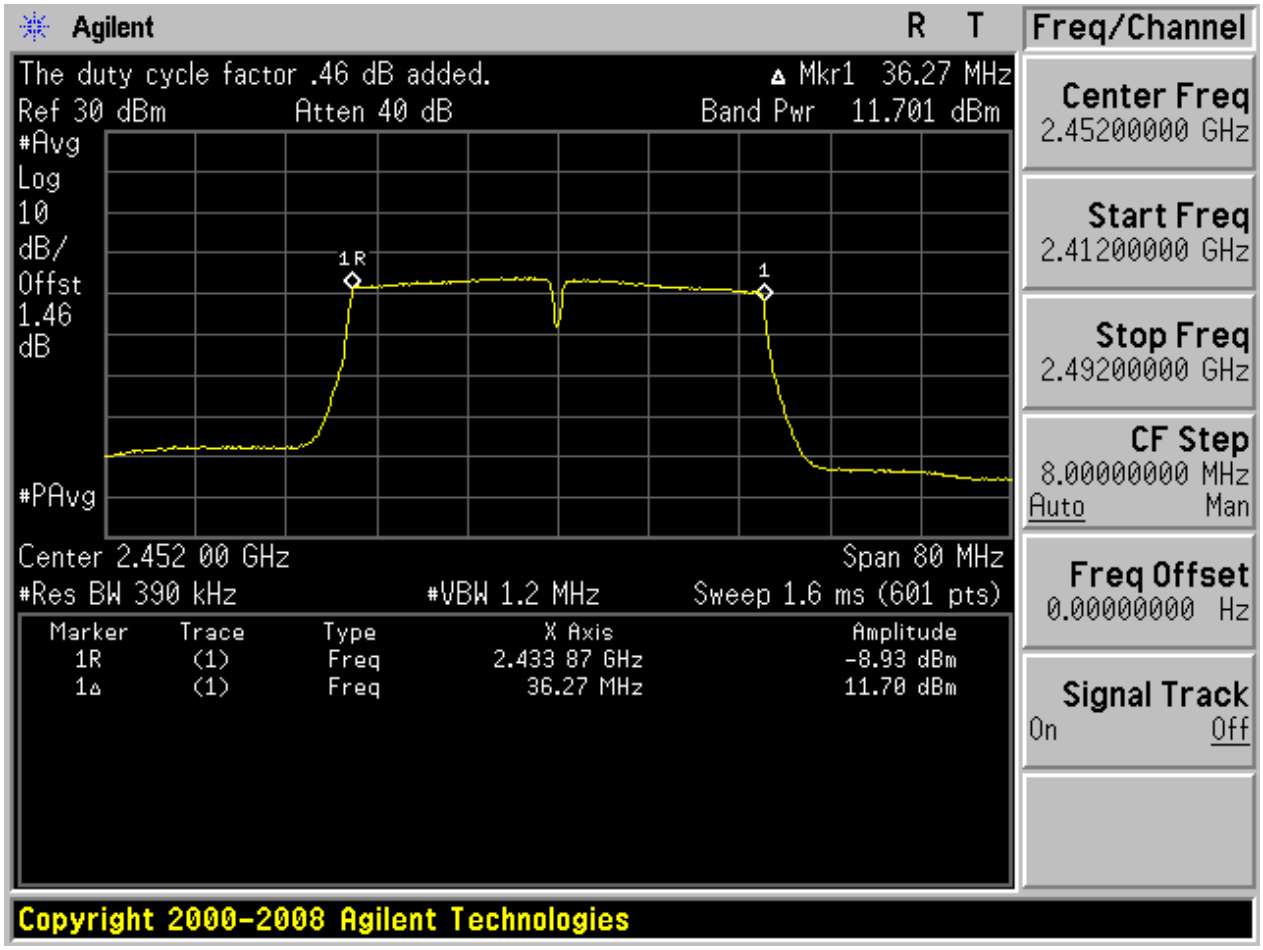
2.29 11N40_H@Ant 1



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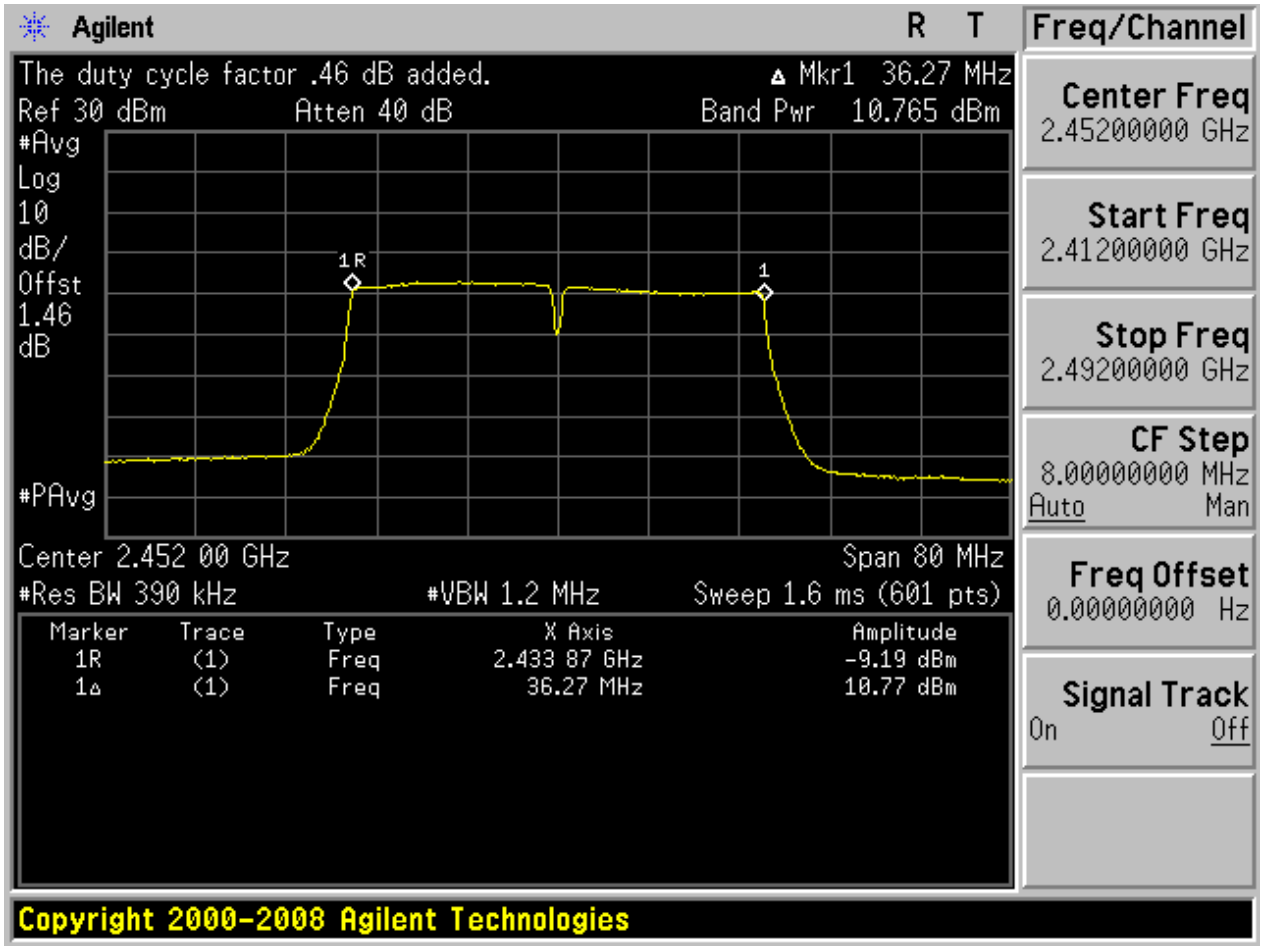
2.30 11N40_H@Ant 2



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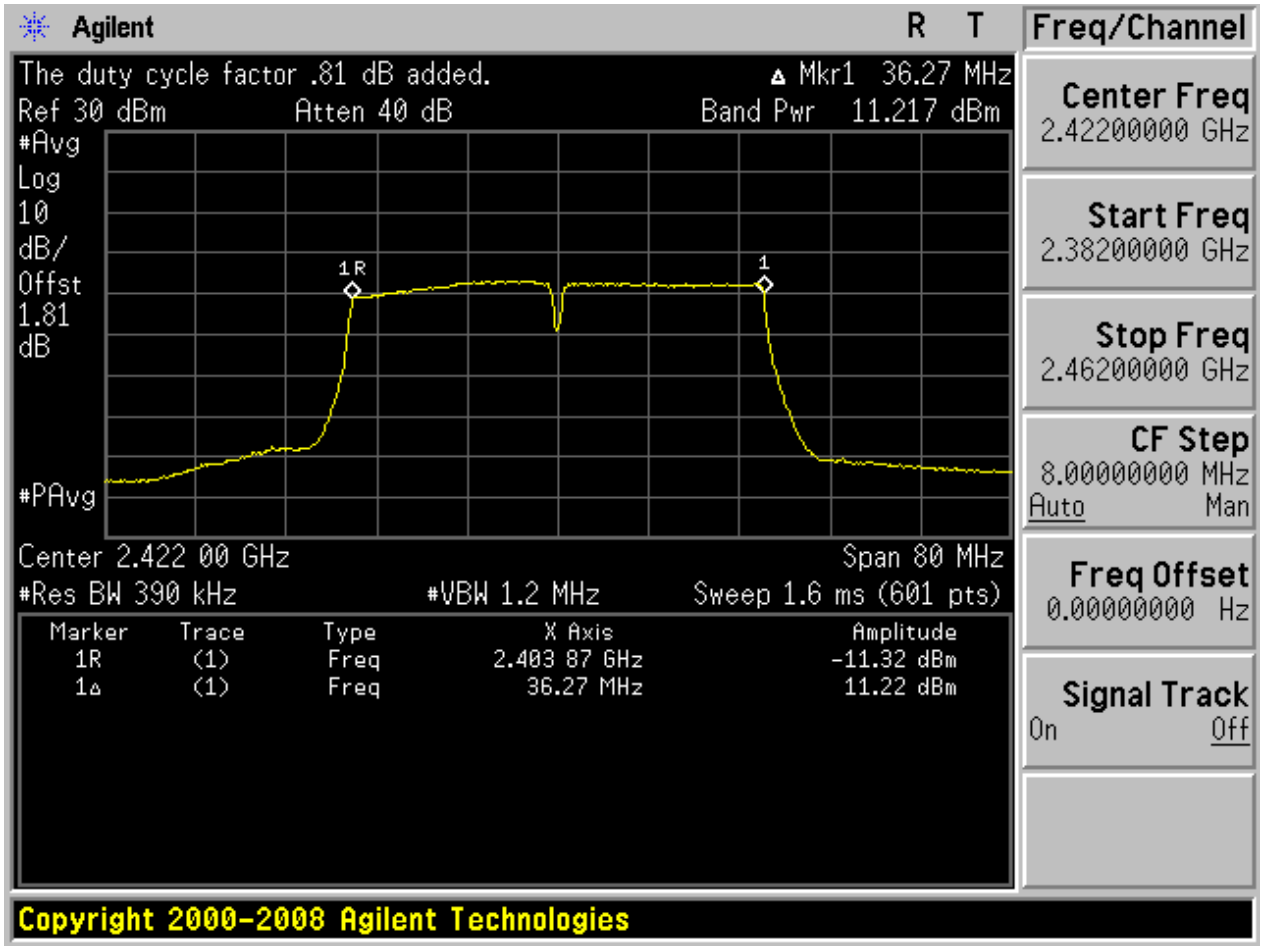
2.31 11N40m_L@Ant 1



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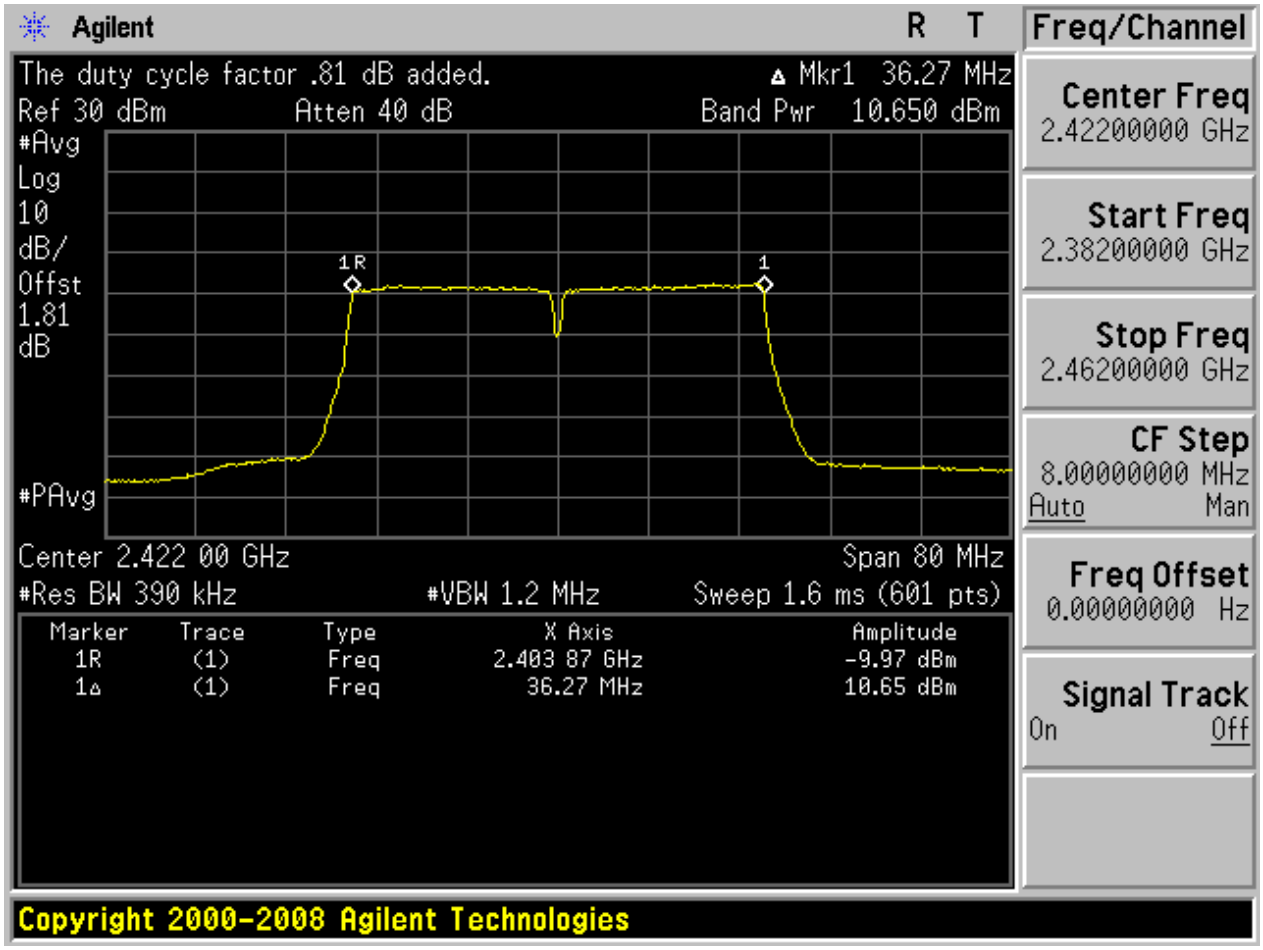
2.32 11N40m_L@Ant 2



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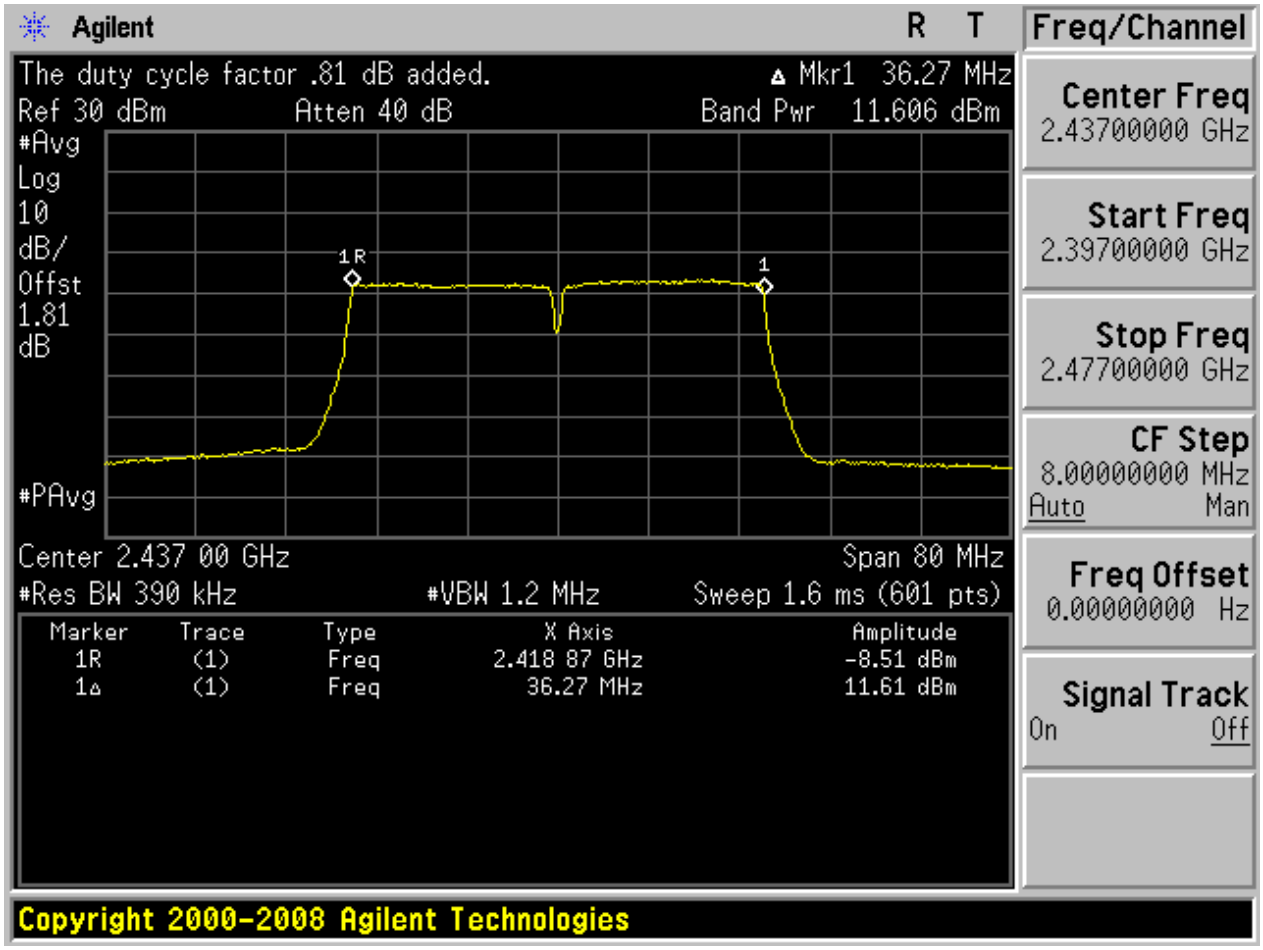
2.33 11N40m_M@Ant 1



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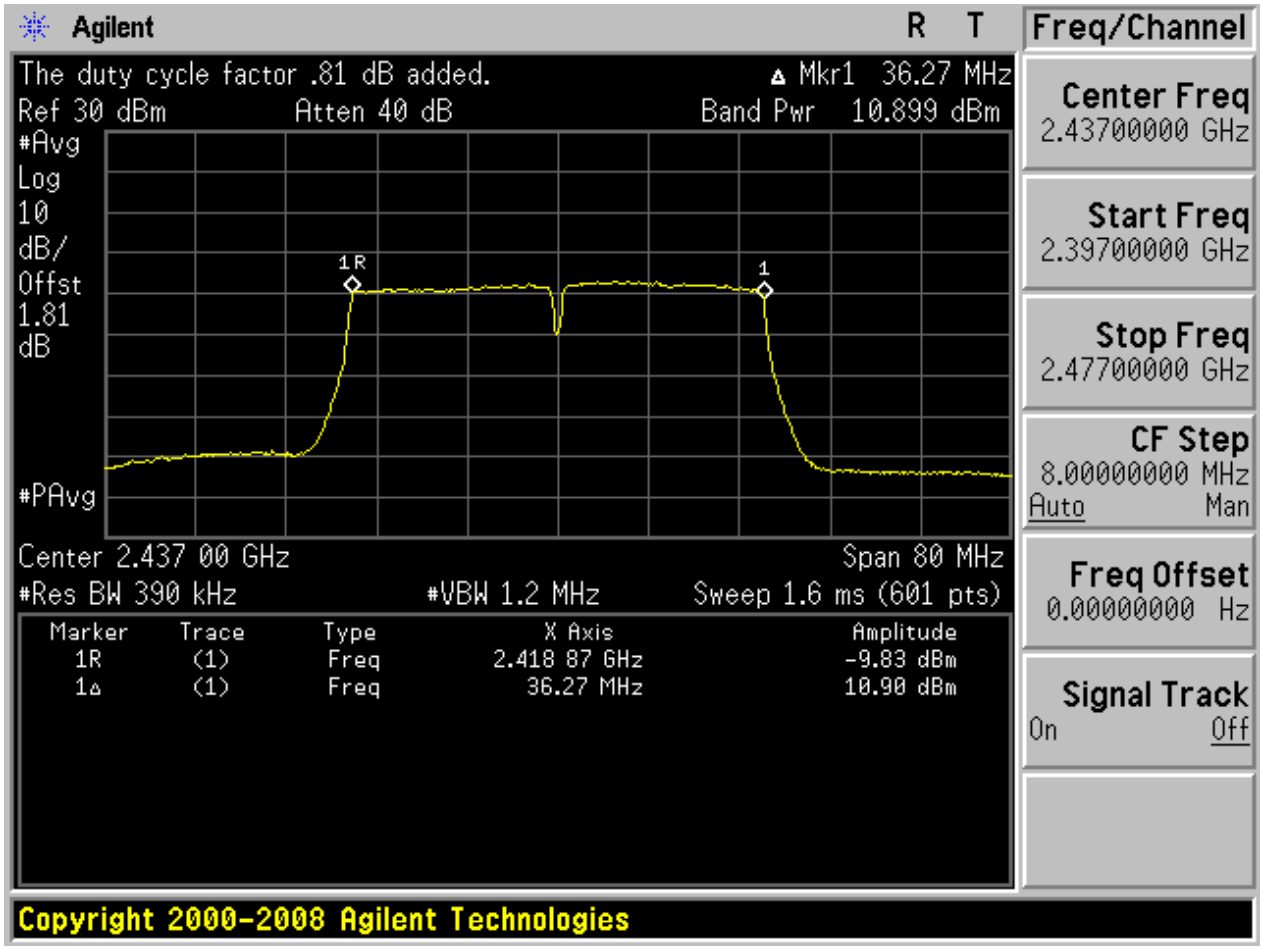
2.34 11N40m_M@Ant 2



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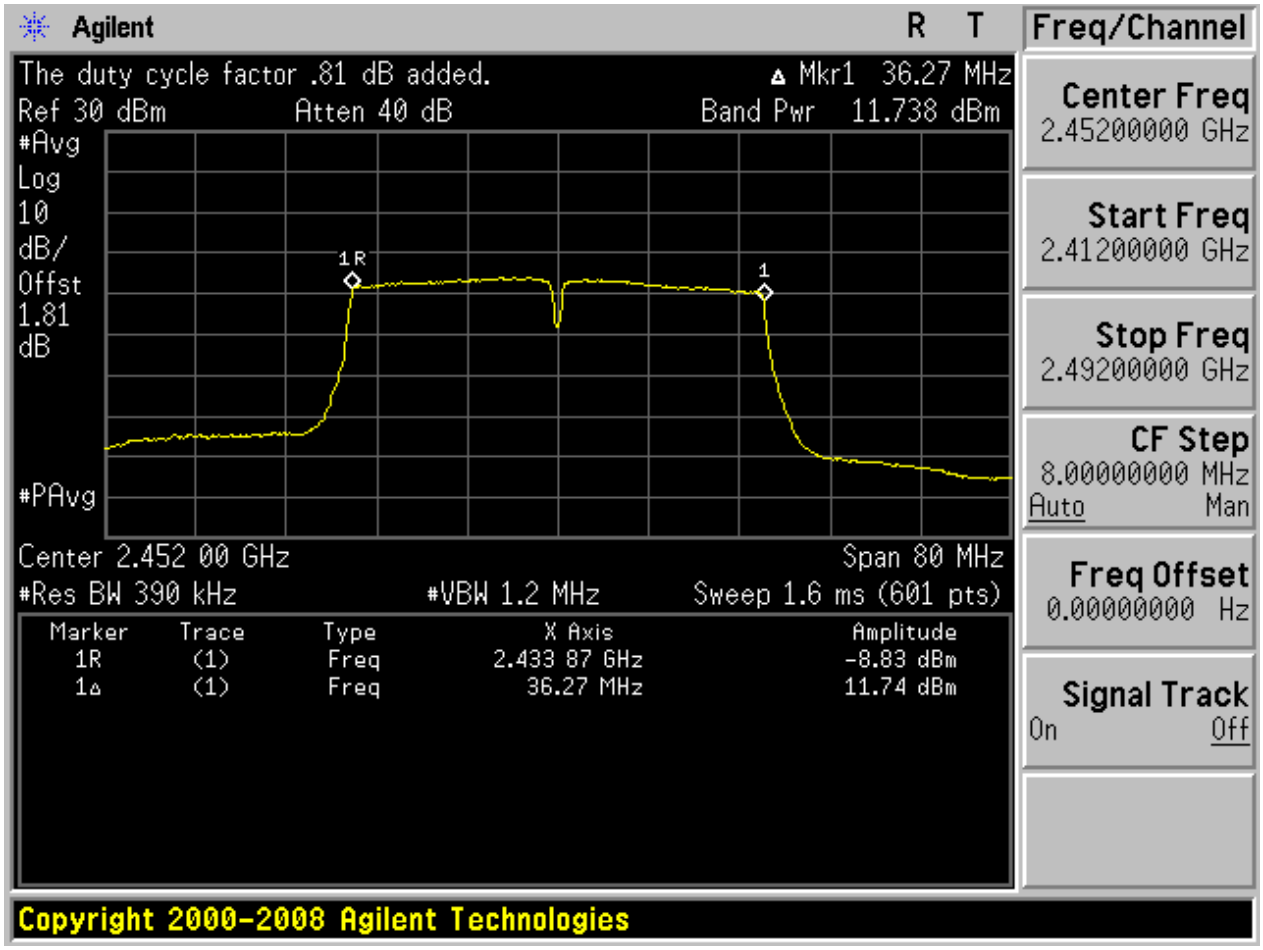
2.35 11N40m_H@Ant 1



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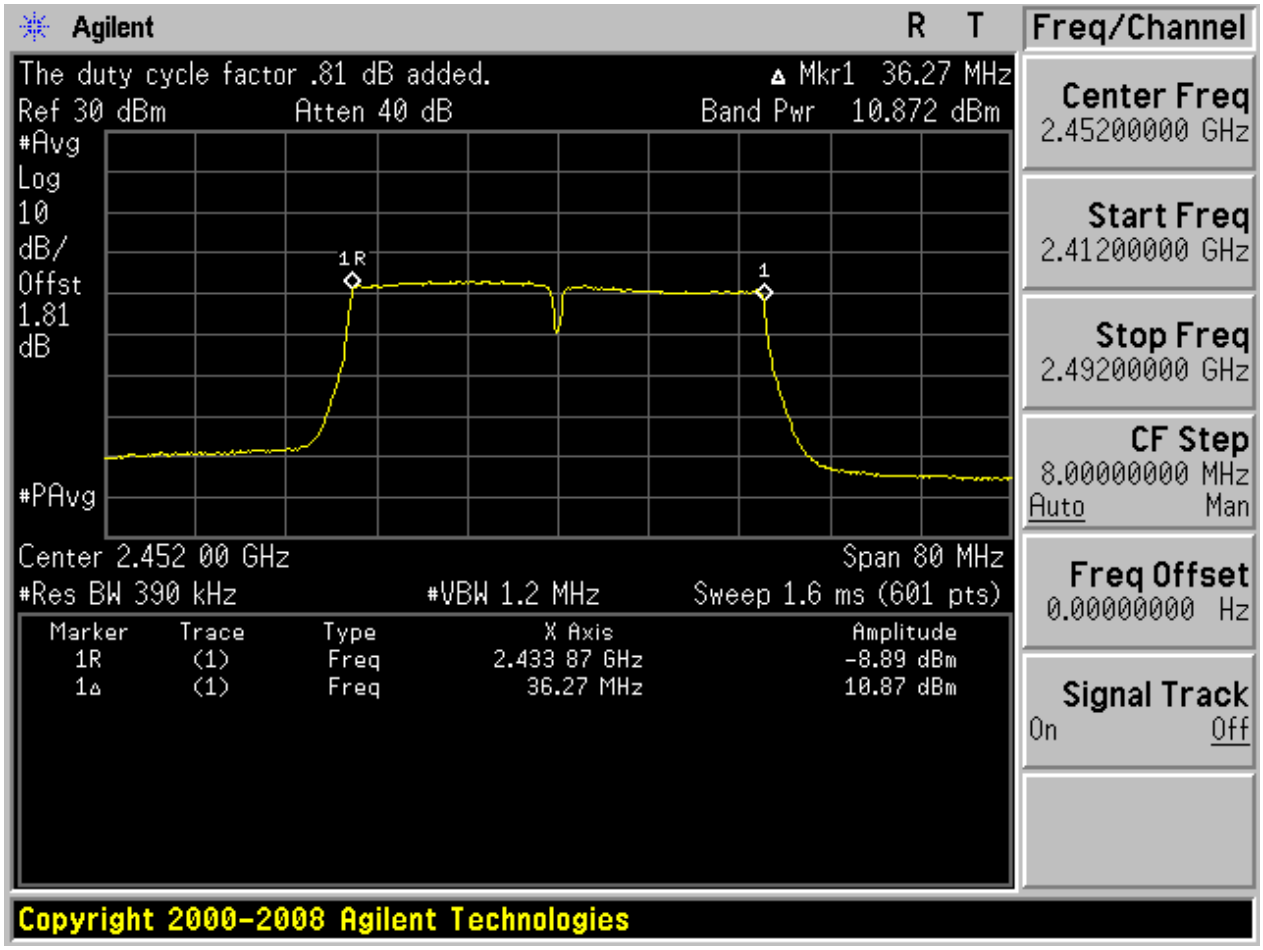
2.36 11N40m_H@Ant 2



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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	-12.25	pass
11B	L	2412	Ant 2	-12.23	pass
11B	M	2437	Ant 1	-11.66	pass
11B	M	2437	Ant 2	-12.58	pass
11B	H	2462	Ant 1	-11.38	pass
11B	H	2462	Ant 2	-12.55	pass
11G	L	2412	Ant 1	-16.83	pass
11G	L	2412	Ant 2	-17.24	pass
11G	M	2437	Ant 1	-16.47	pass
11G	M	2437	Ant 2	-17.18	pass
11G	H	2462	Ant 1	-16.11	pass
11G	H	2462	Ant 2	-17.17	pass
11N20	L	2412	Ant 1	-18.18	pass
11N20	L	2412	Ant 2	-18.87	pass
11N20	M	2437	Ant 1	-17.85	pass
11N20	M	2437	Ant 2	-18.63	pass
11N20	H	2462	Ant 1	-17.58	pass
11N20	H	2462	Ant 2	-18.54	pass
11N20m	L	2412	Ant 1	-18.31	pass
11N20m	L	2412	Ant 2	-18.70	pass
11N20m	L	2412	Ant sum	-15.49	pass
11N20m	M	2437	Ant 1	-17.78	pass
11N20m	M	2437	Ant 2	-18.46	pass
11N20m	M	2437	Ant sum	-15.10	pass
11N20m	H	2462	Ant 1	-17.59	pass
11N20m	H	2462	Ant 2	-18.34	pass
11N20m	H	2462	Ant sum	-14.94	pass
11N40	L	2422	Ant 1	-21.59	pass
11N40	L	2422	Ant 2	-22.33	pass
11N40	M	2437	Ant 1	-21.64	pass
11N40	M	2437	Ant 2	-21.96	pass
11N40	H	2452	Ant 1	-20.85	pass
11N40	H	2452	Ant 2	-22.03	pass
11N40m	L	2422	Ant 1	-21.20	pass
11N40m	L	2422	Ant 2	-21.94	pass
11N40m	L	2422	Ant sum	-18.54	pass

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Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11N40m	M	2437	Ant 1	-21.34	pass
11N40m	M	2437	Ant 2	-21.49	pass
11N40m	M	2437	Ant sum	-18.40	pass
11N40m	H	2452	Ant 1	-20.46	pass
11N40m	H	2452	Ant 2	-21.58	pass
11N40m	H	2452	Ant sum	-17.97	pass

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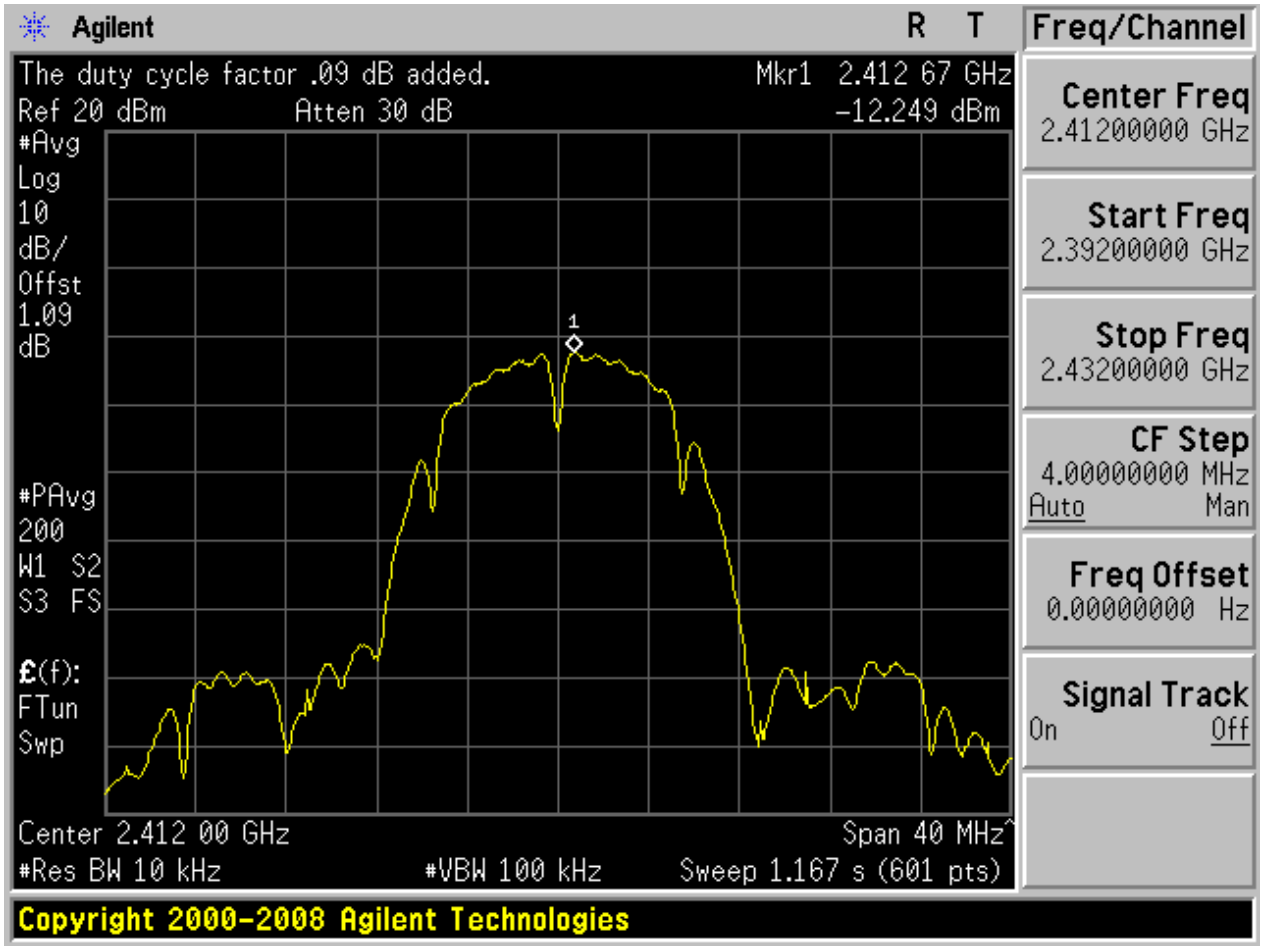
Part II - Test Plots

2.1 11B_L@Ant 1



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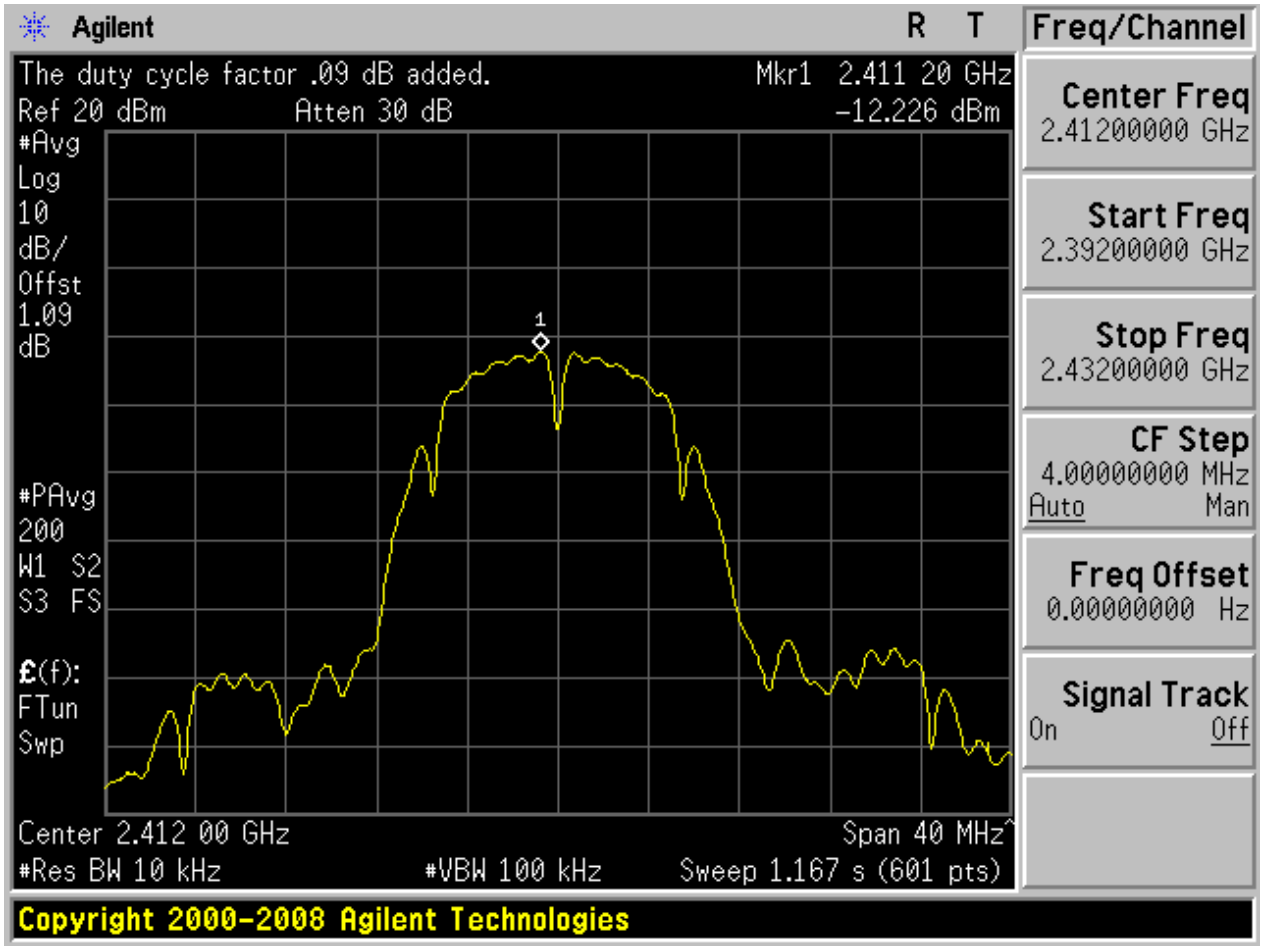
2.2 11B_L@Ant 2



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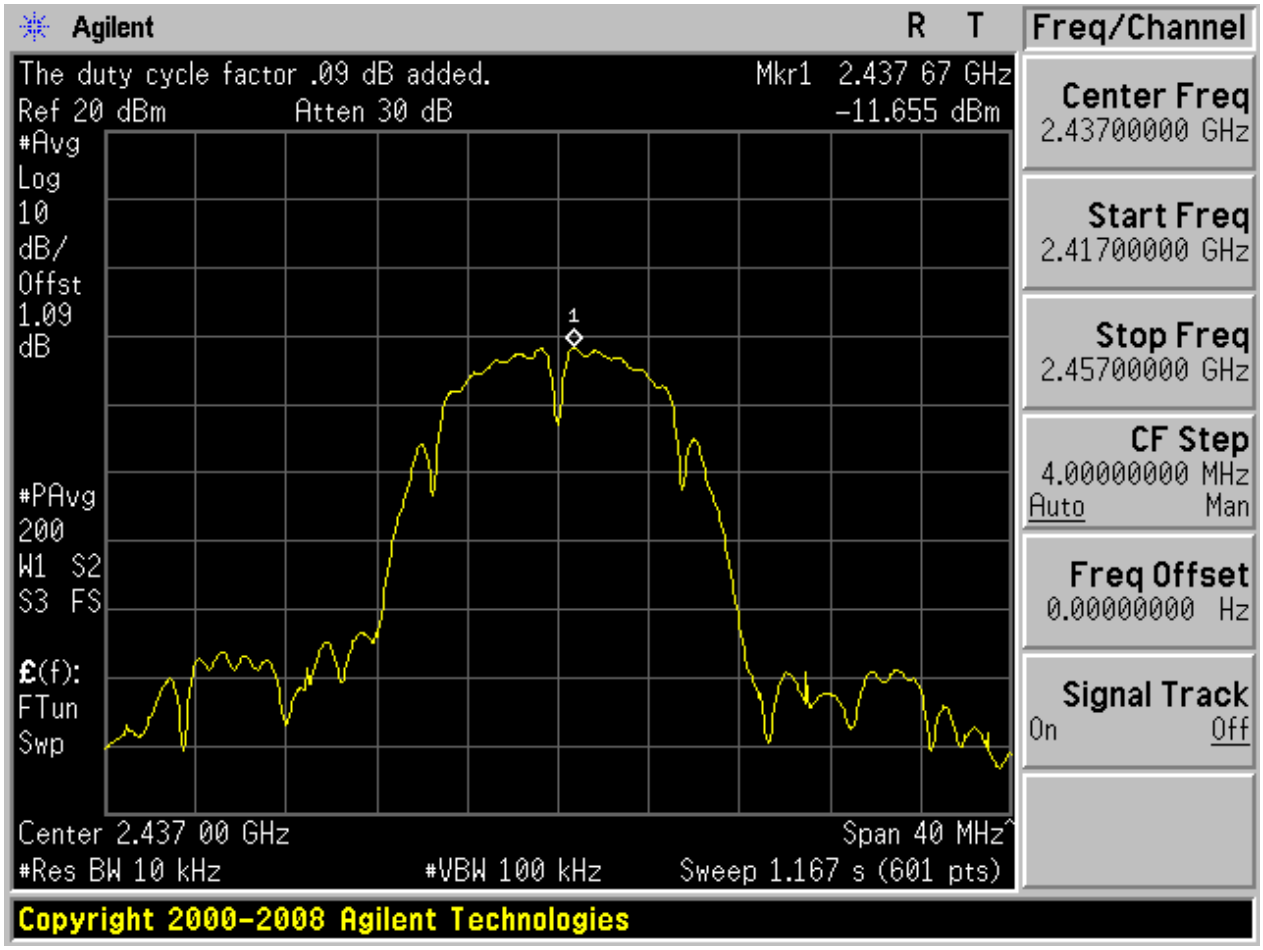
2.3 11B_M@Ant 1



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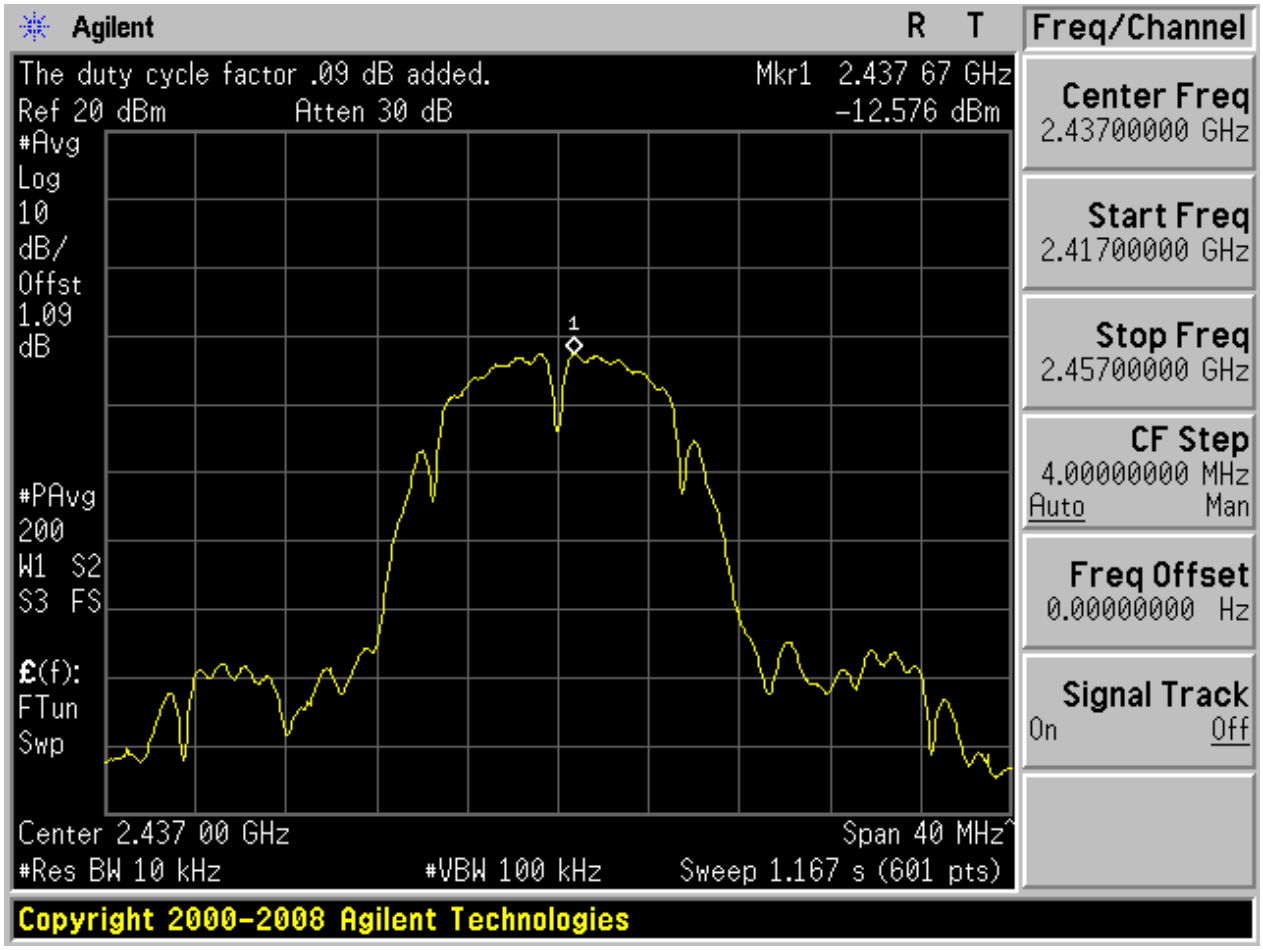
2.4 11B_M@Ant 2



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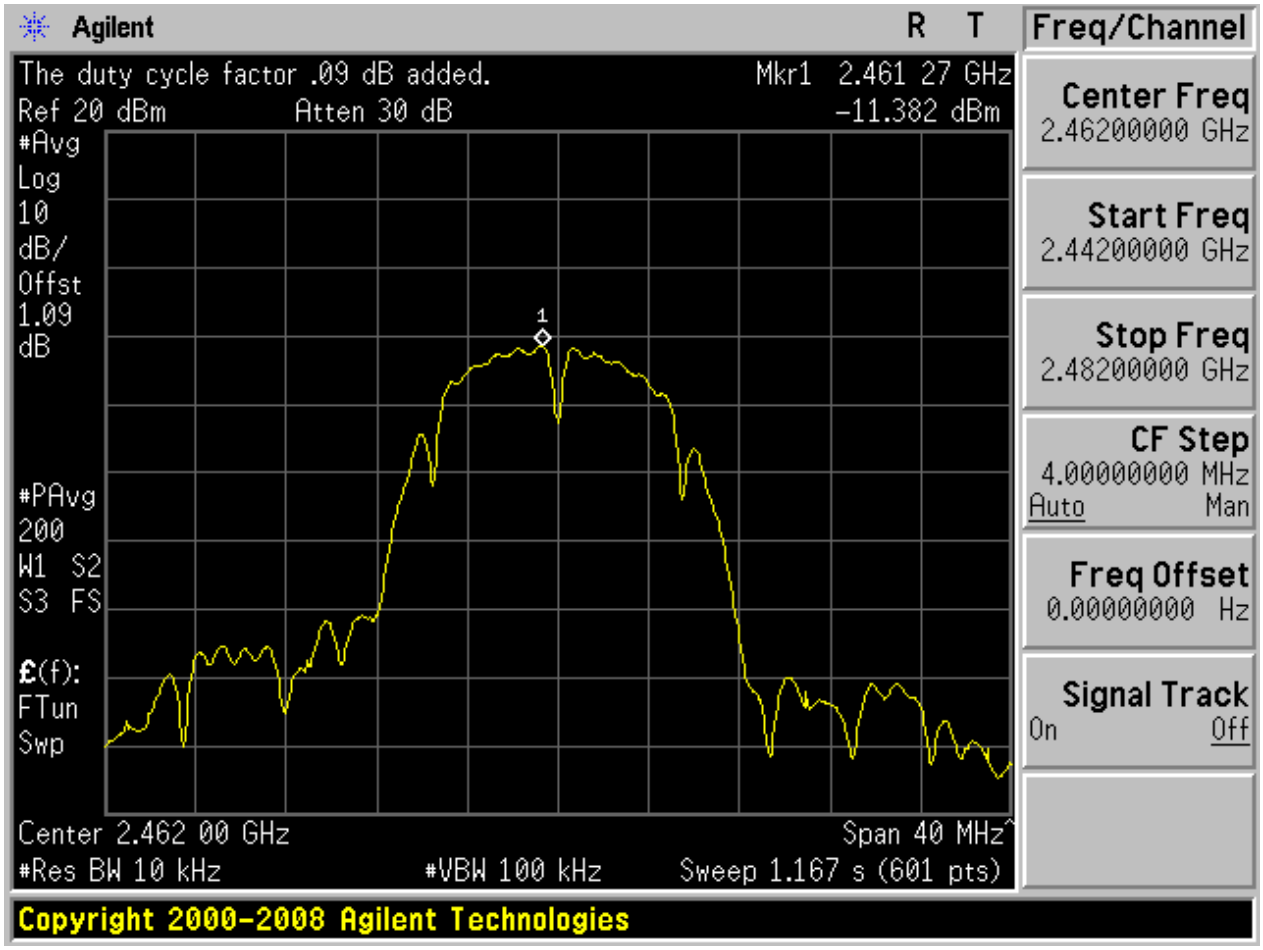
2.5 11B_H@Ant 1



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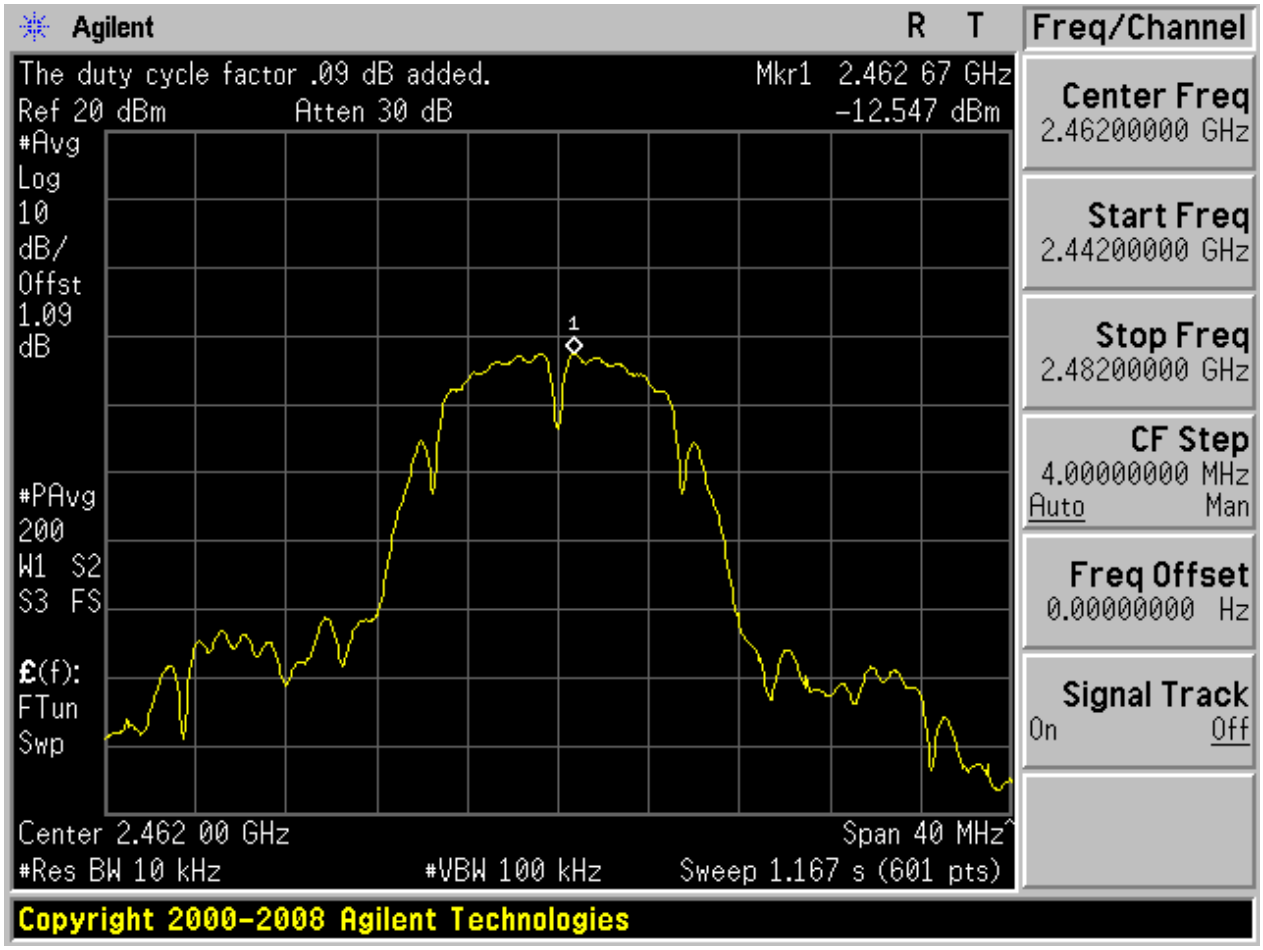
2.6 11B_H@Ant 2



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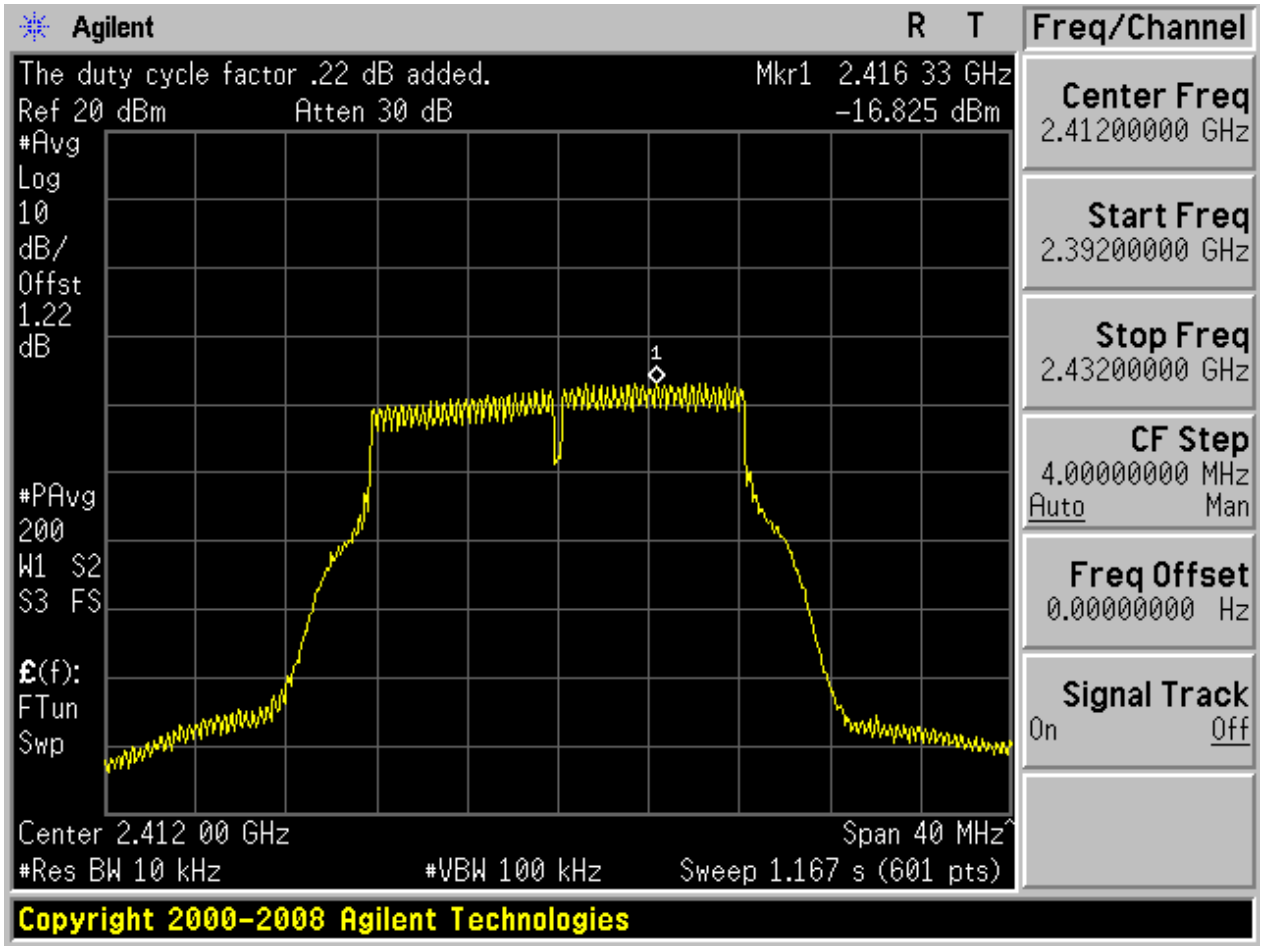
2.7 11G_L@Ant 1



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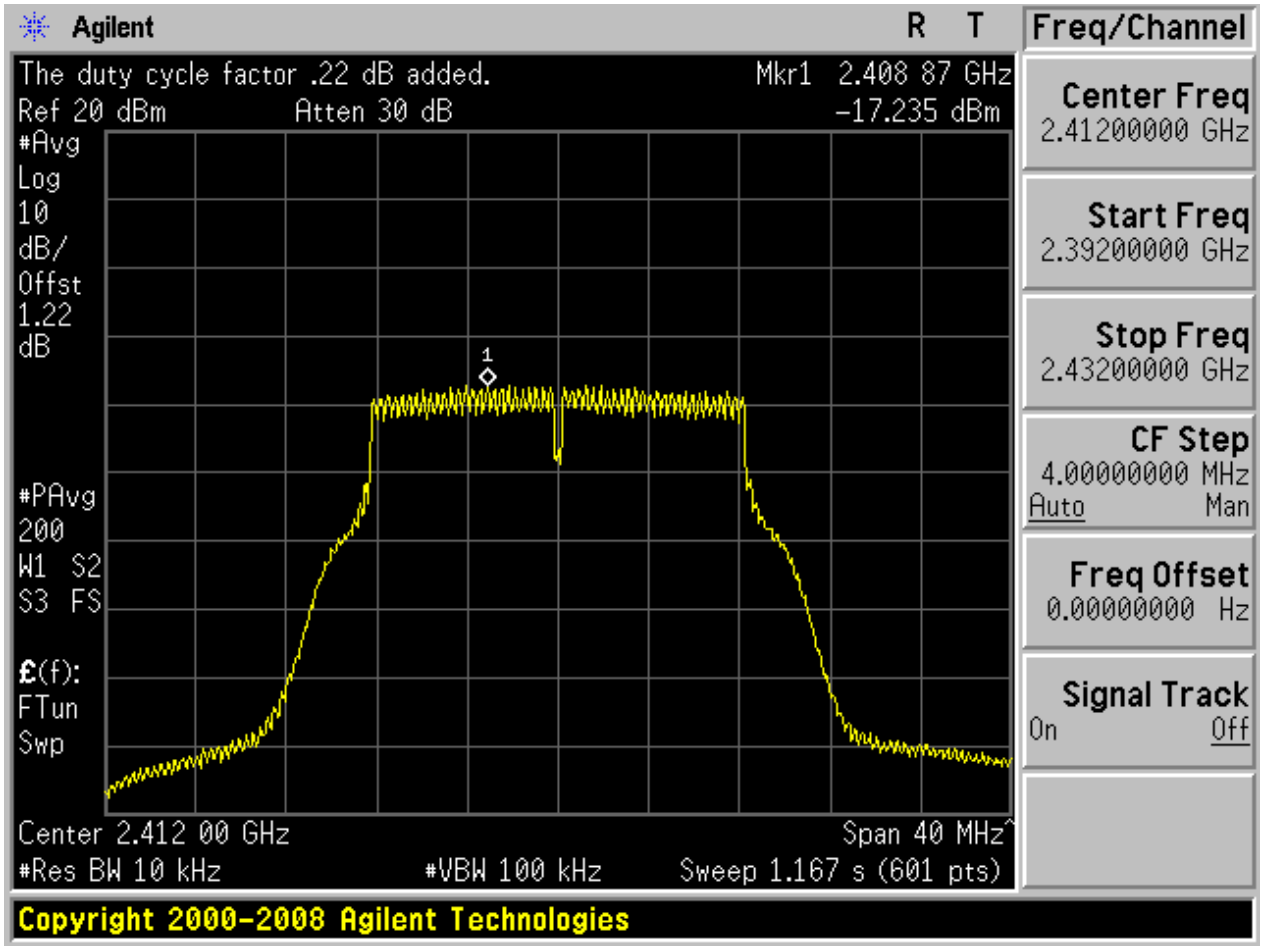
2.8 11G_L@Ant 2



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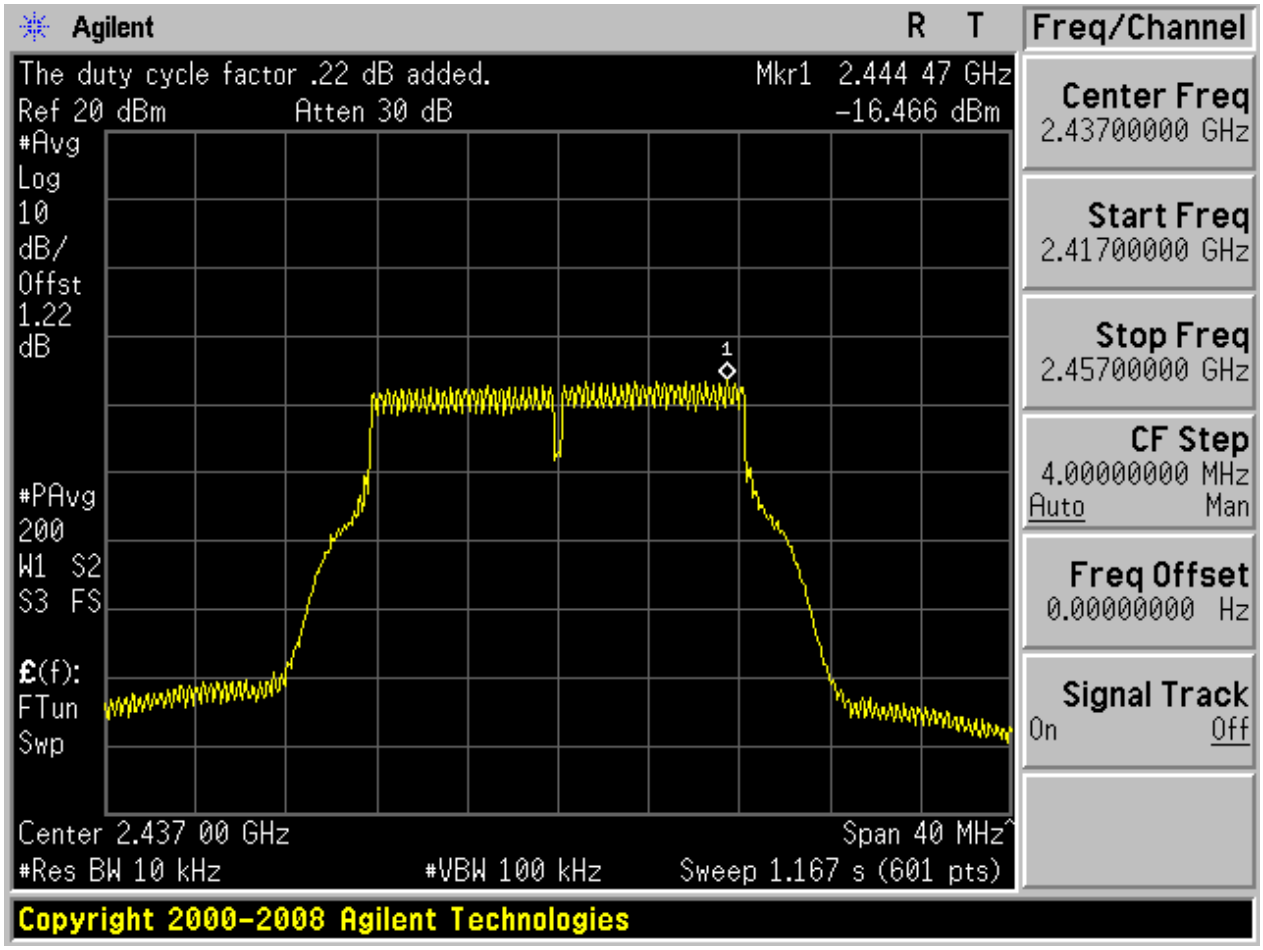
2.9 11G_M@Ant 1



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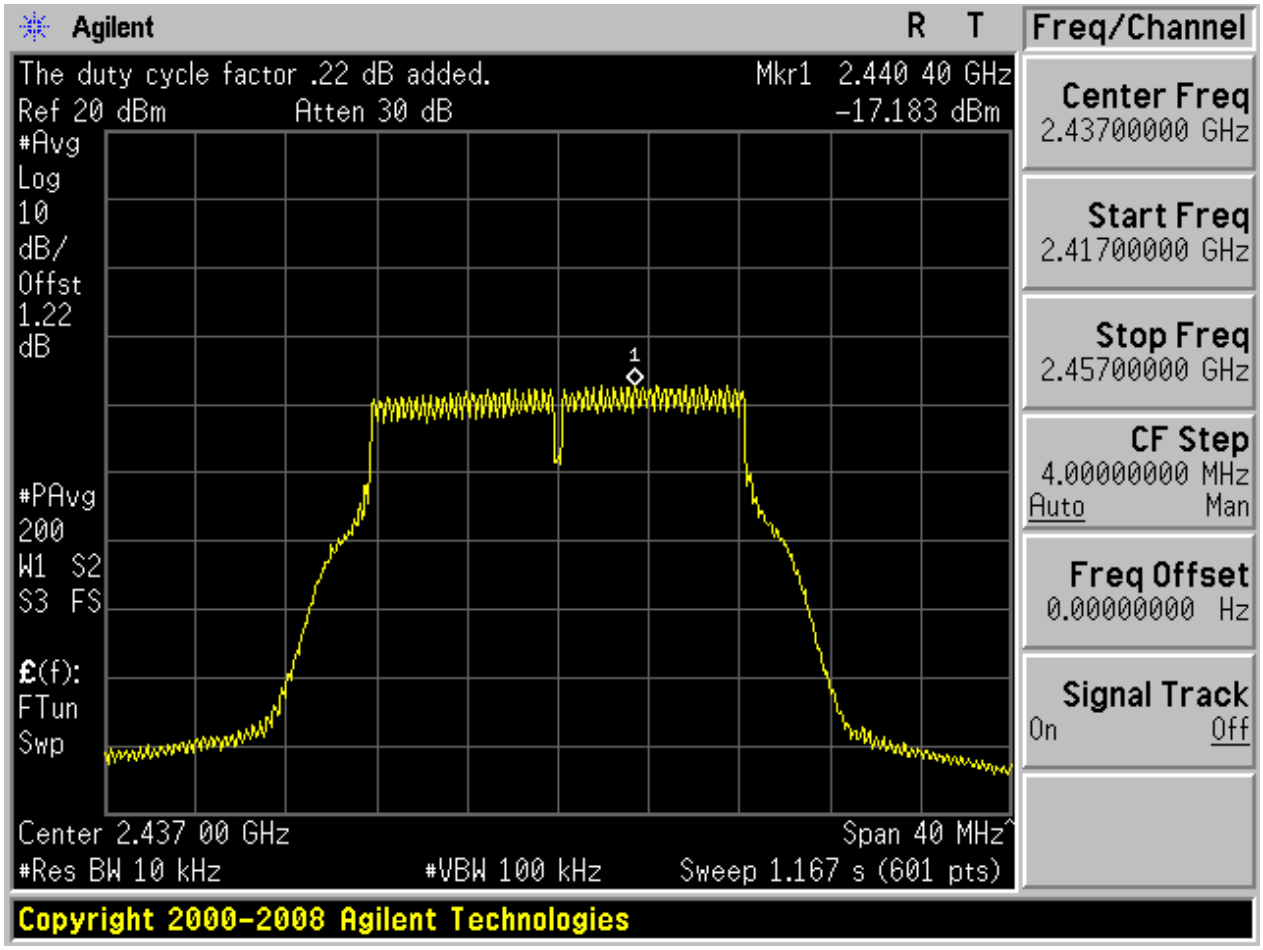

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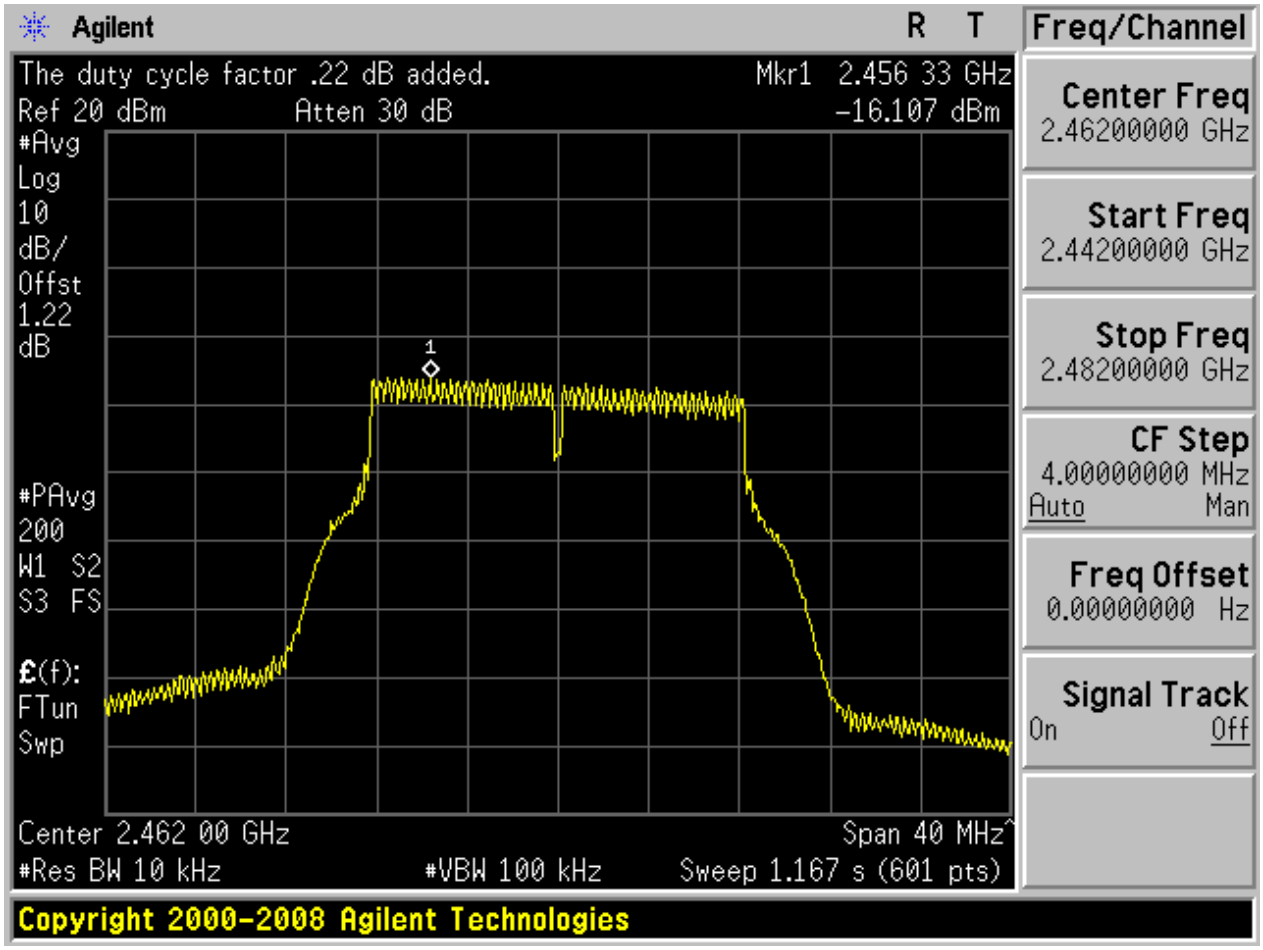
2.11 11G_H@Ant 1



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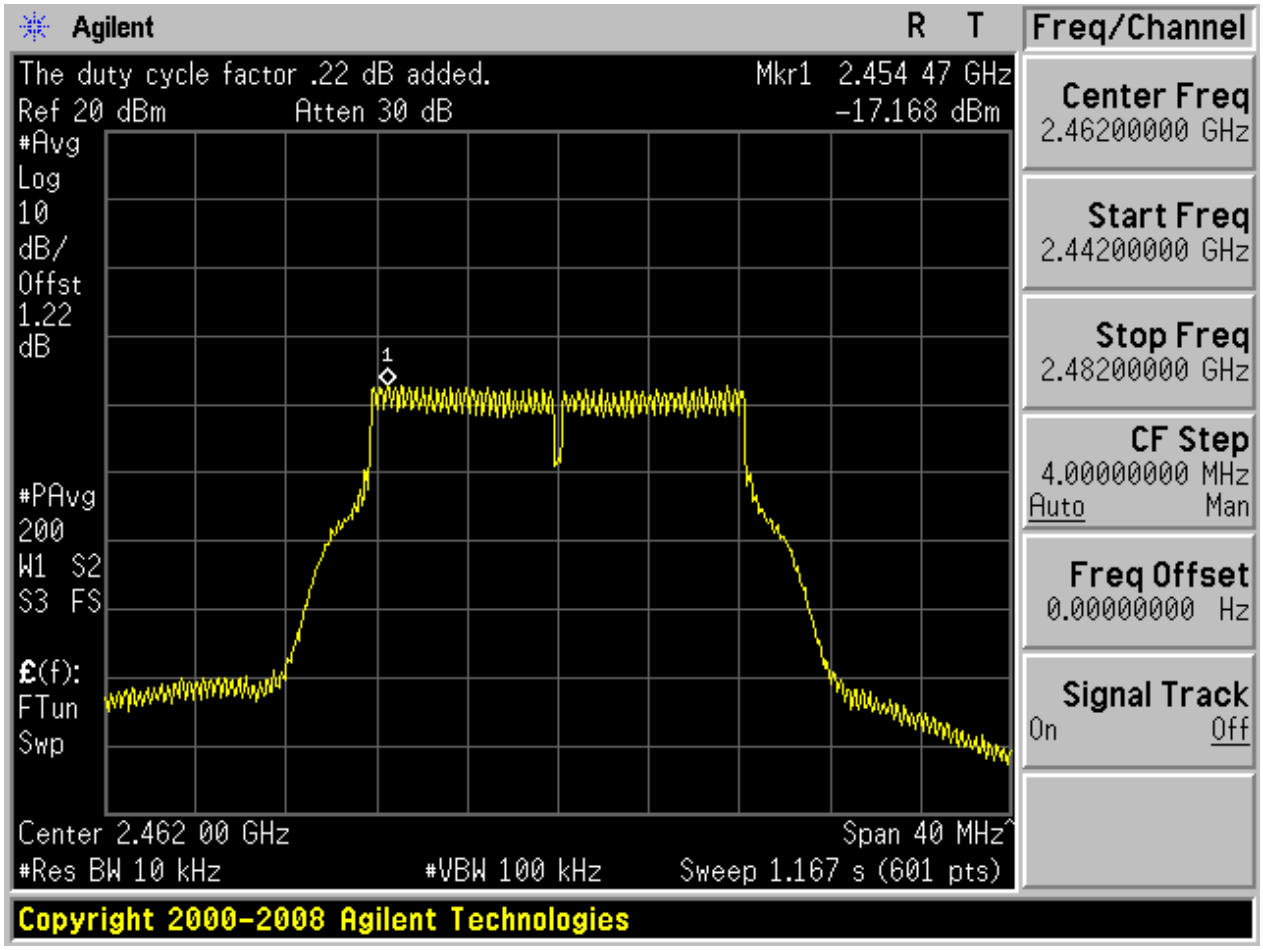

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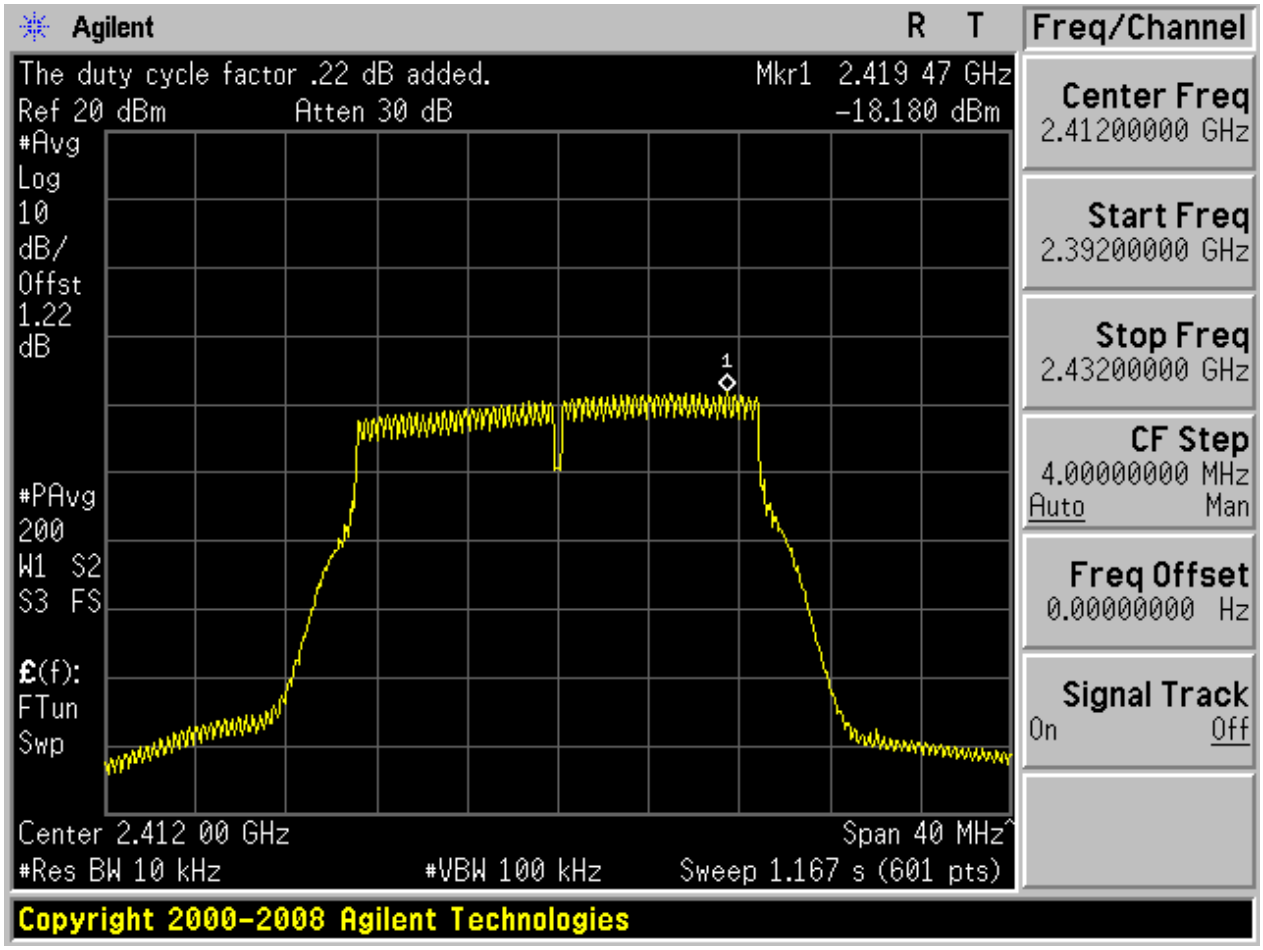
2.13 11N20_L@Ant 1



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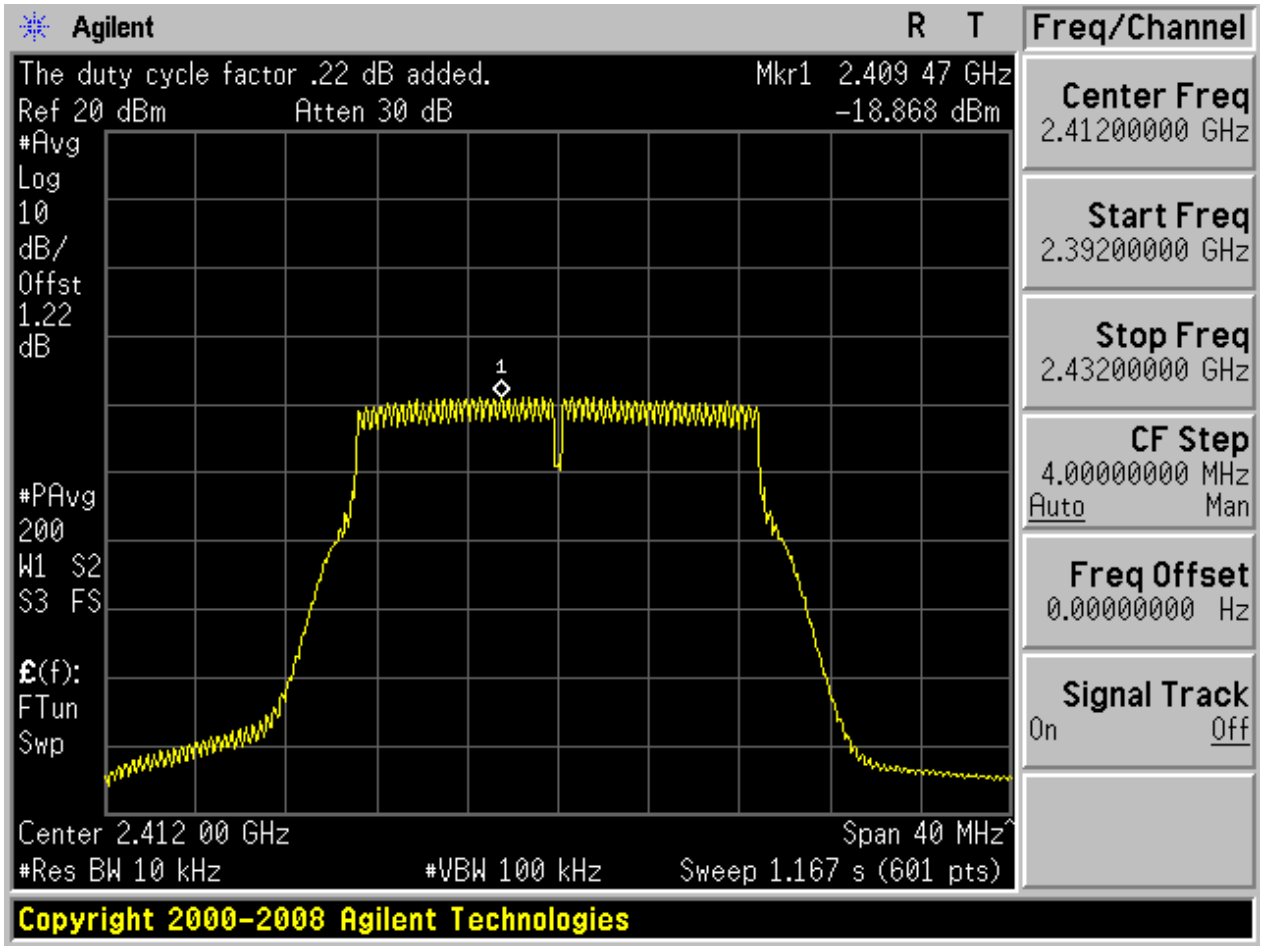
2.14 11N20_L@Ant 2



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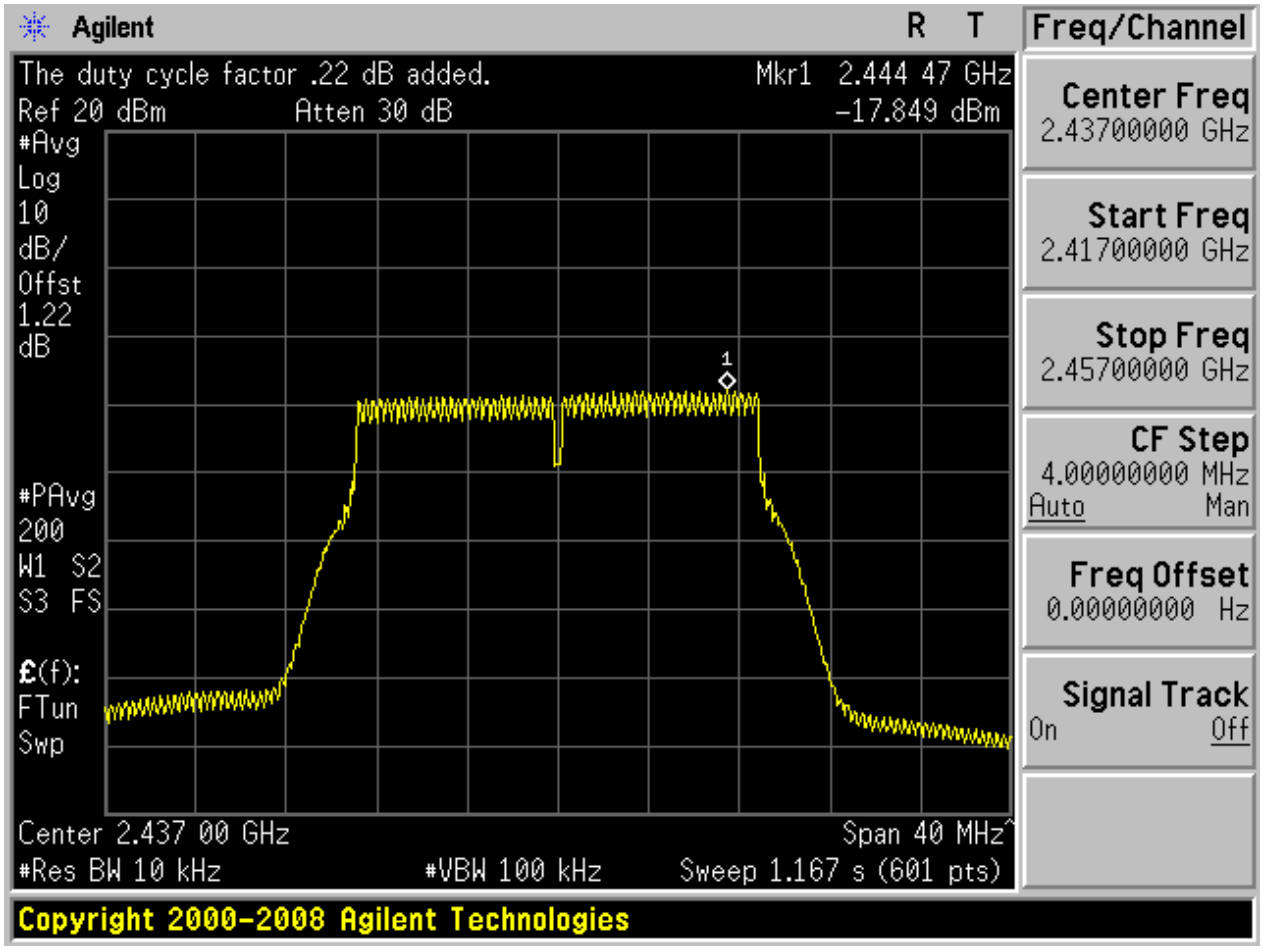

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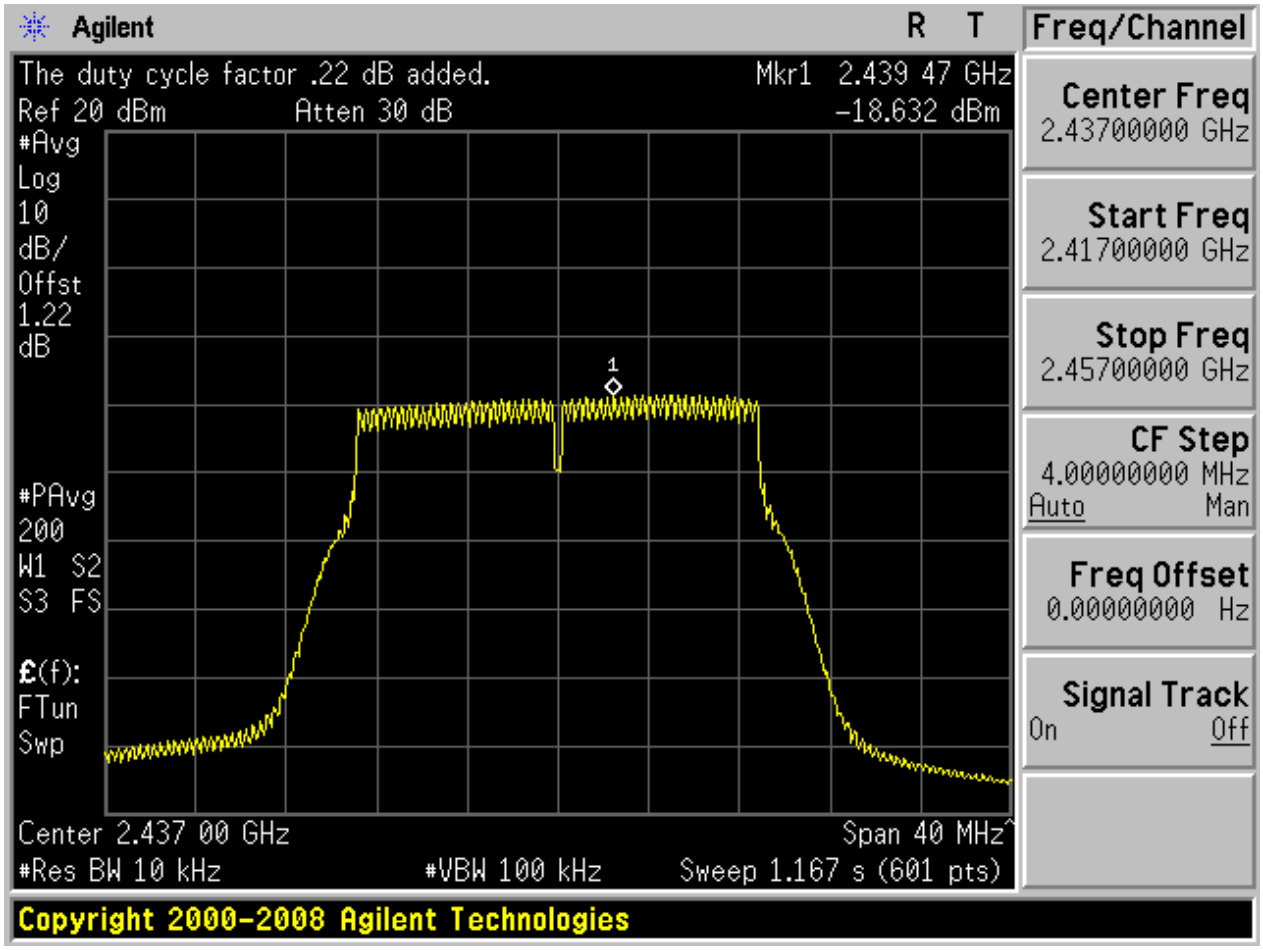

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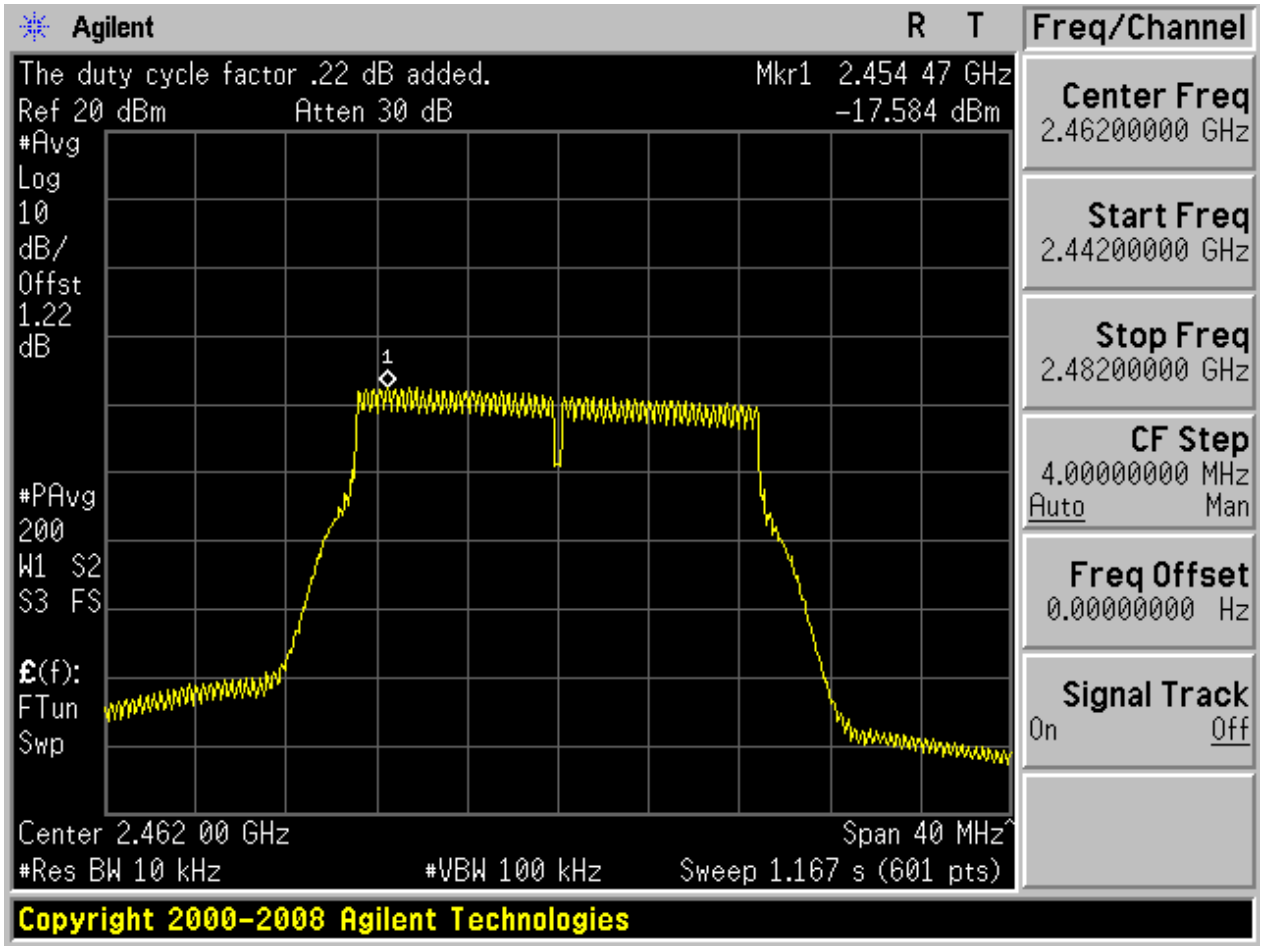

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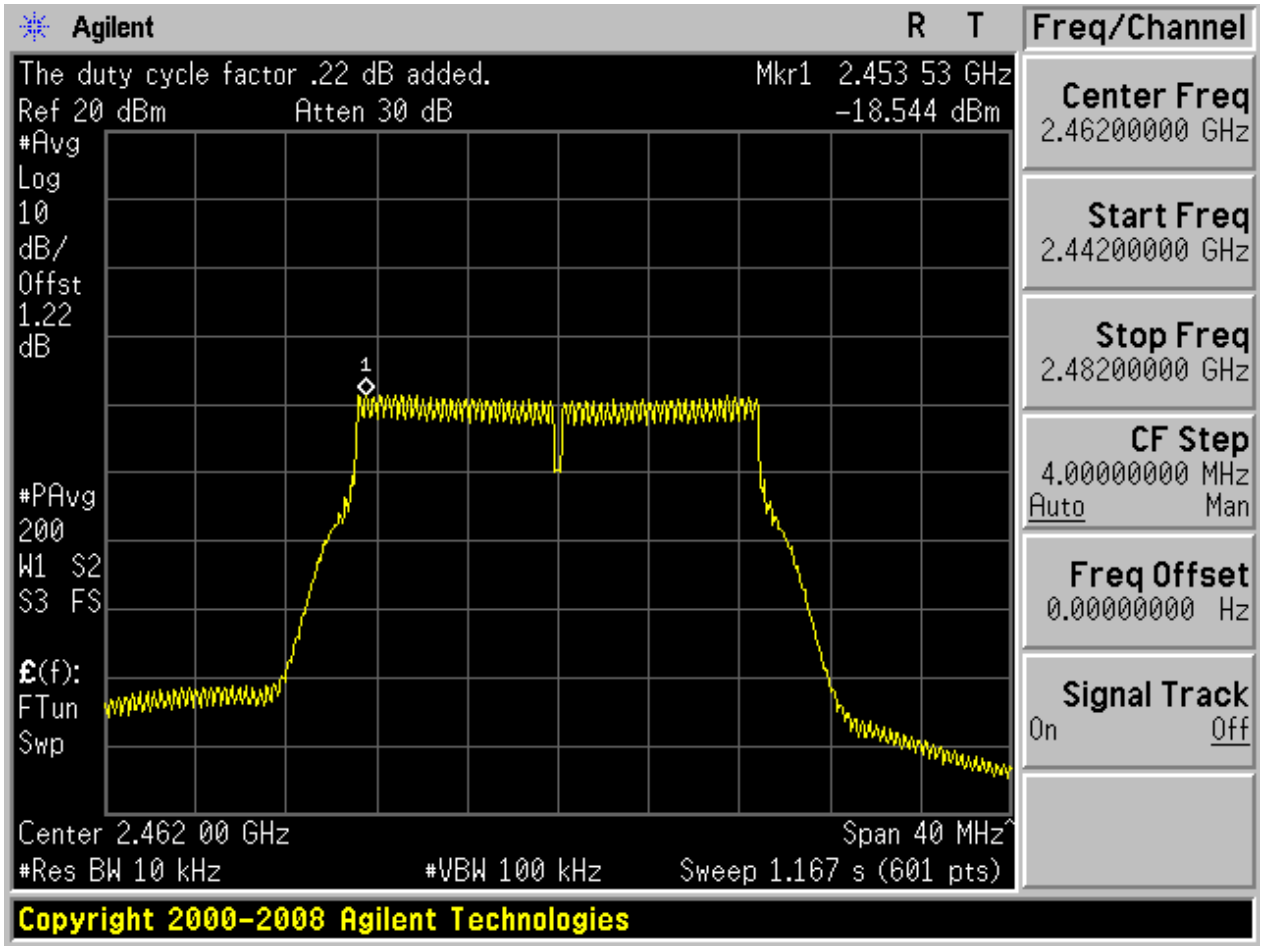

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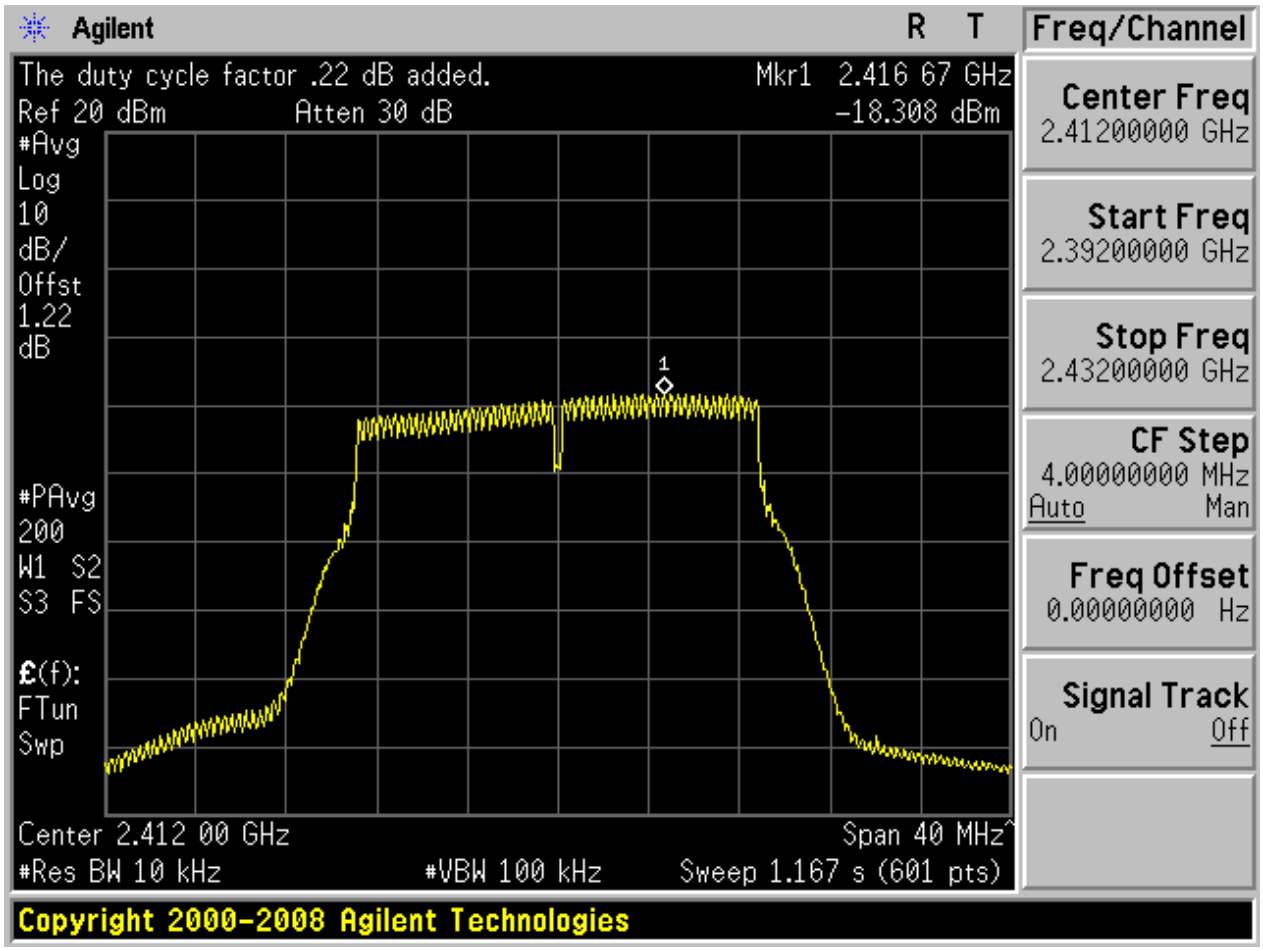

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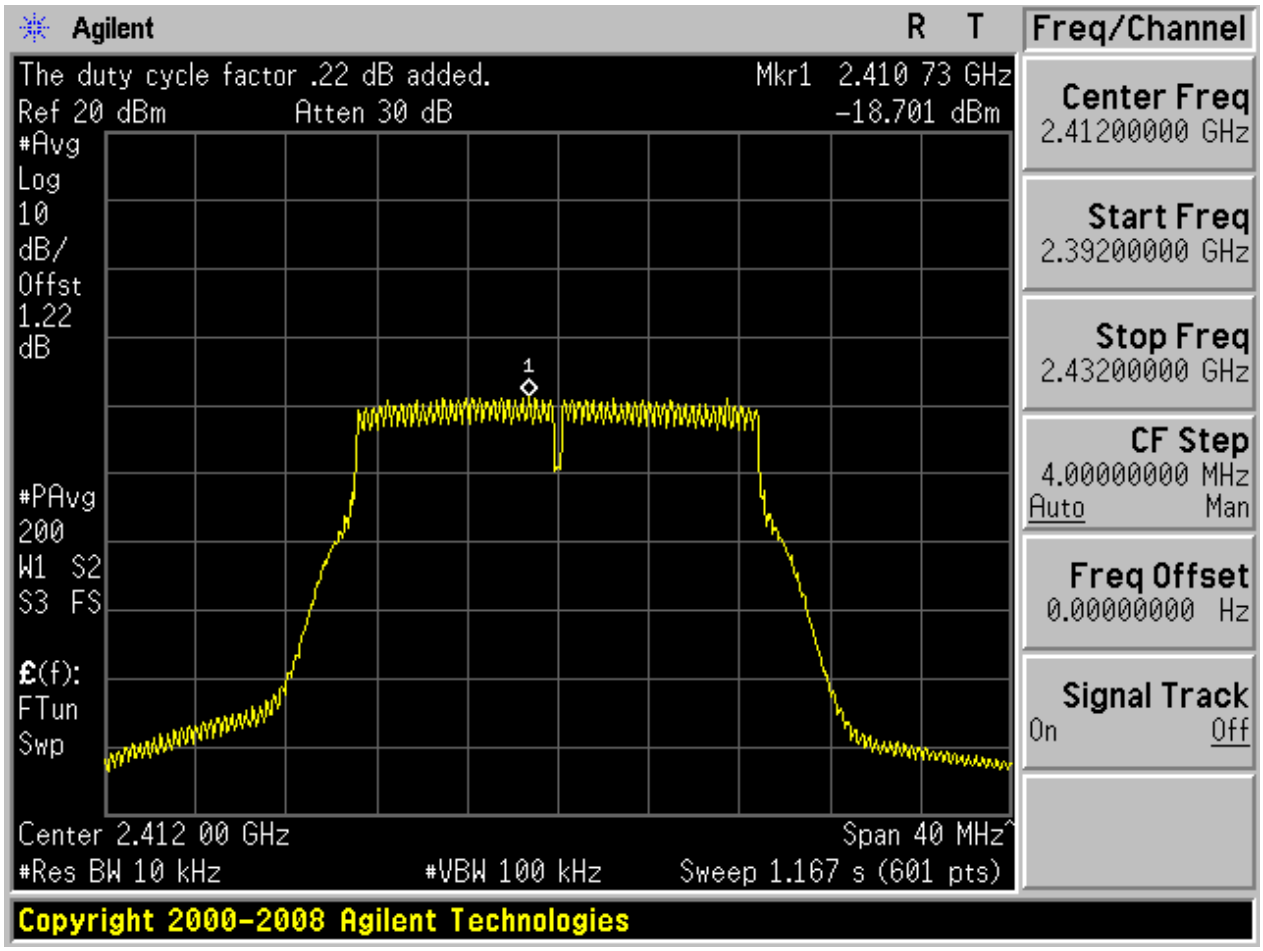
2.20 11N20m_L@Ant 2



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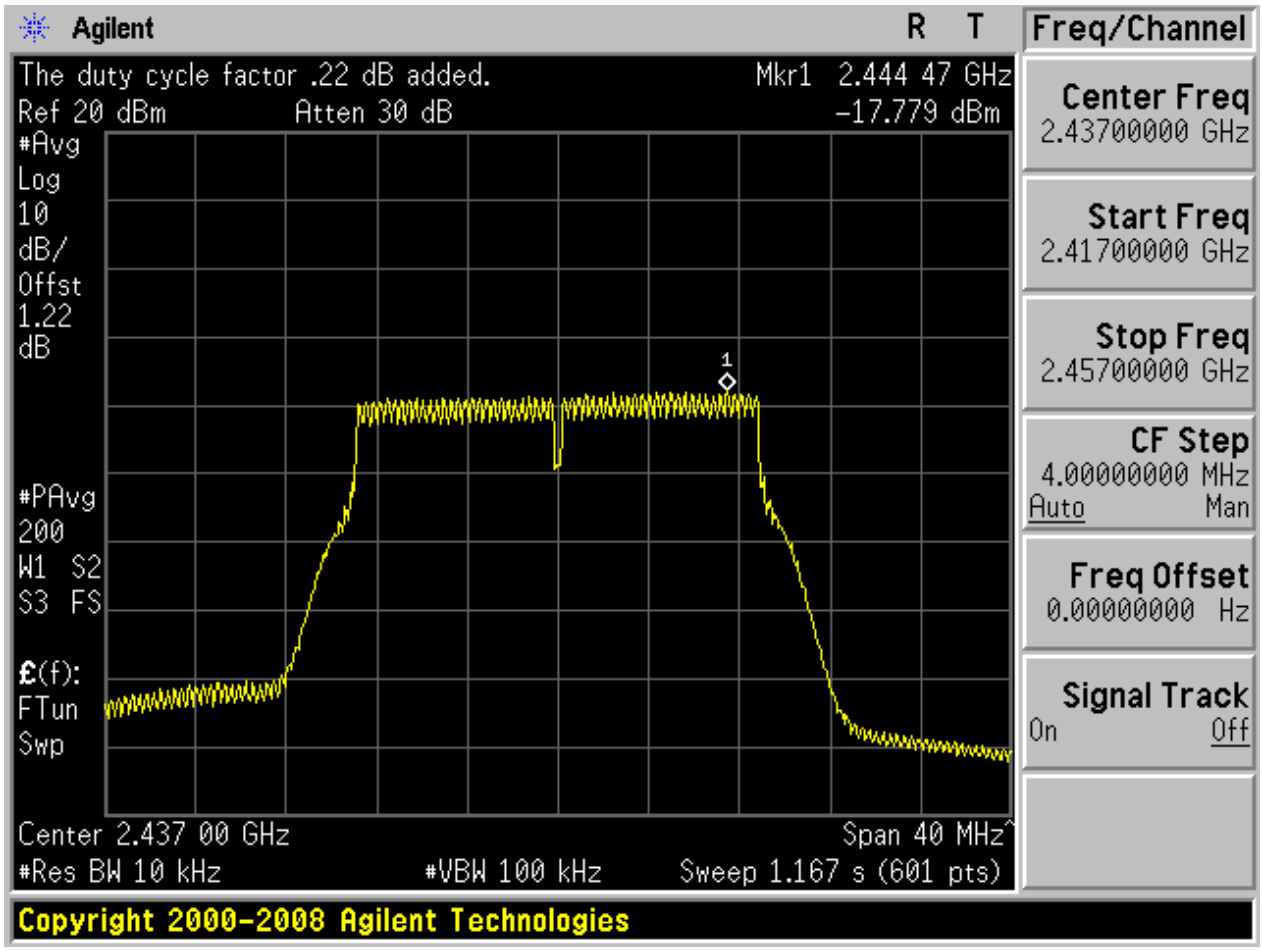

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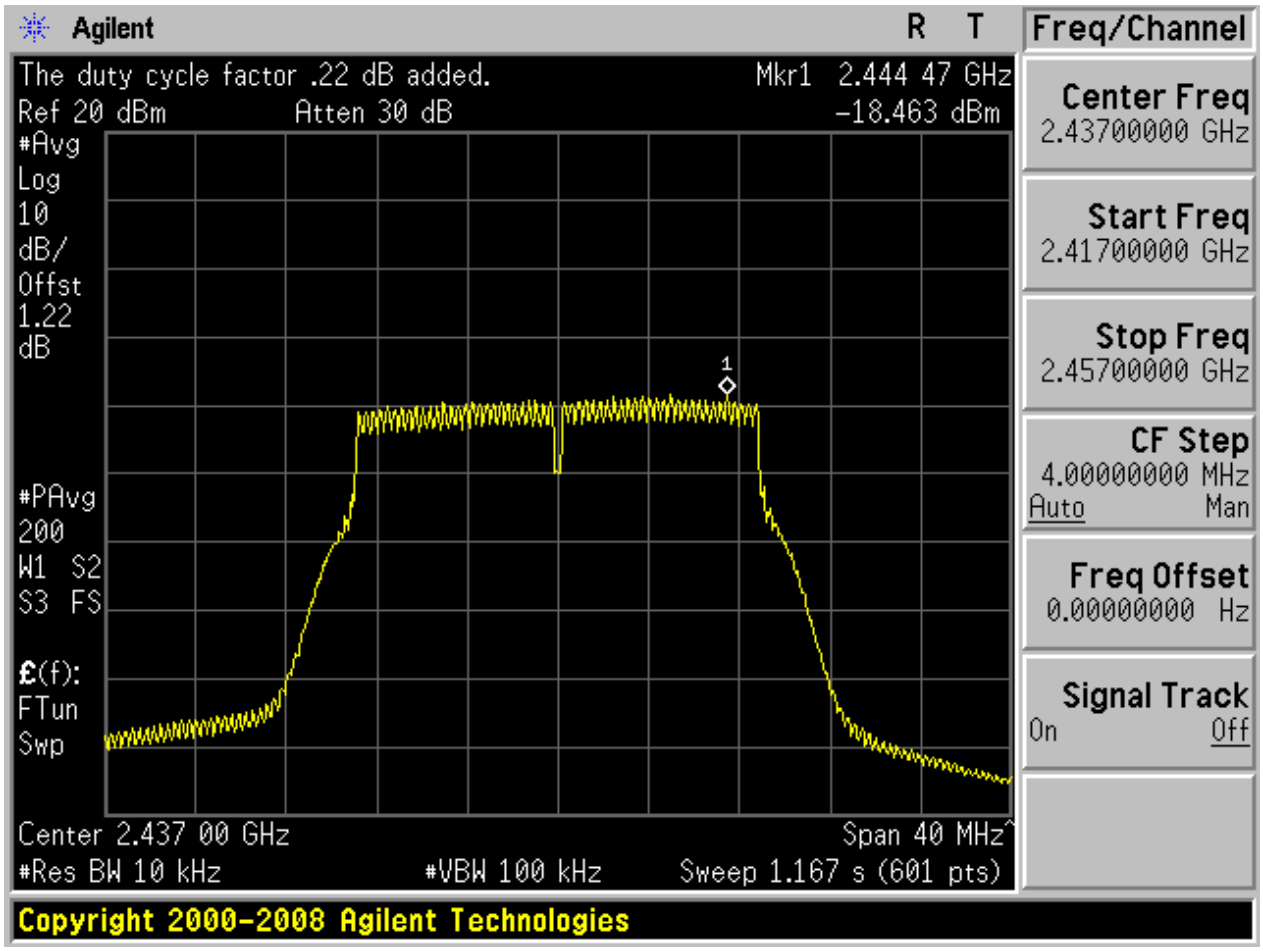

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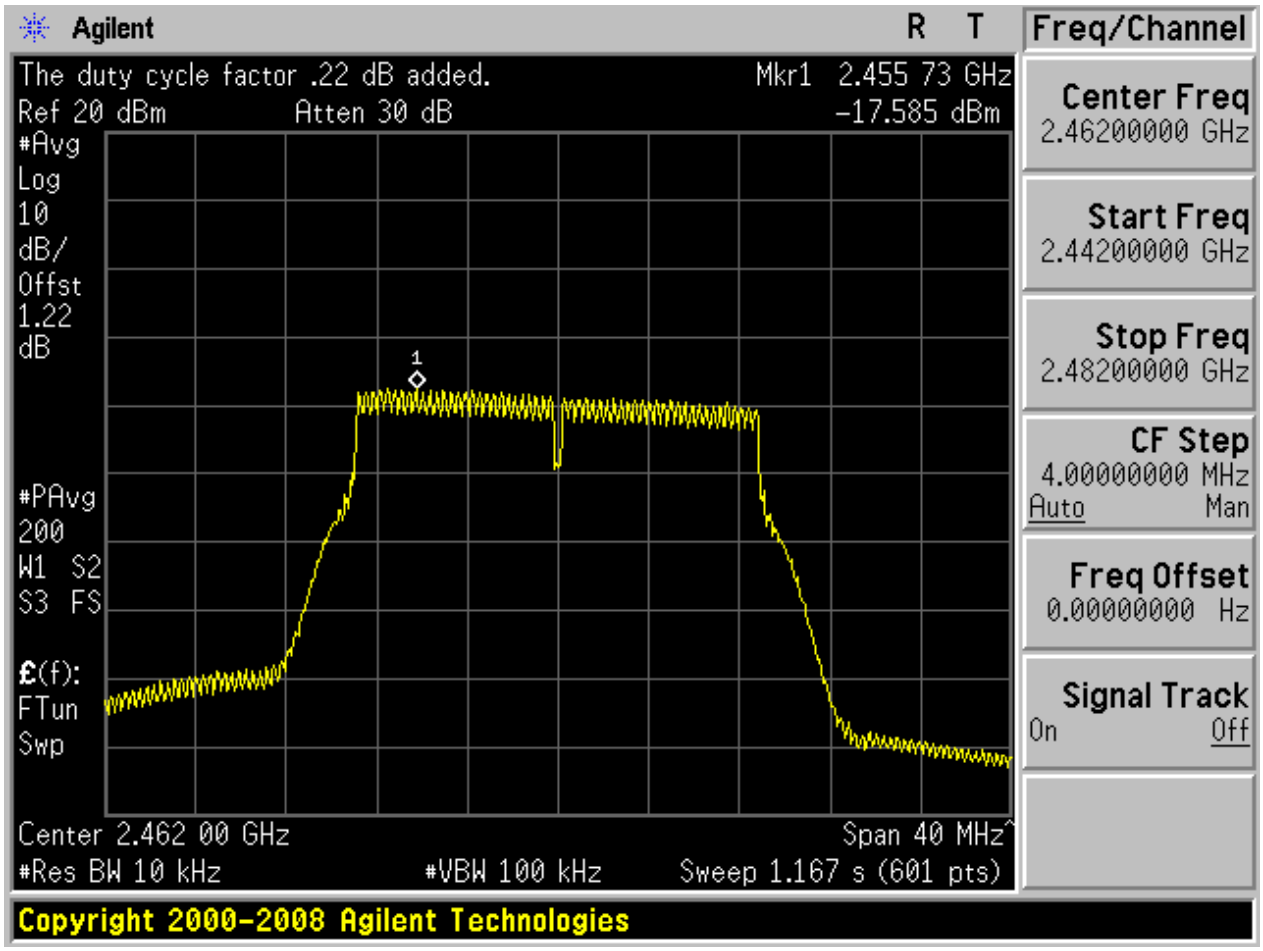

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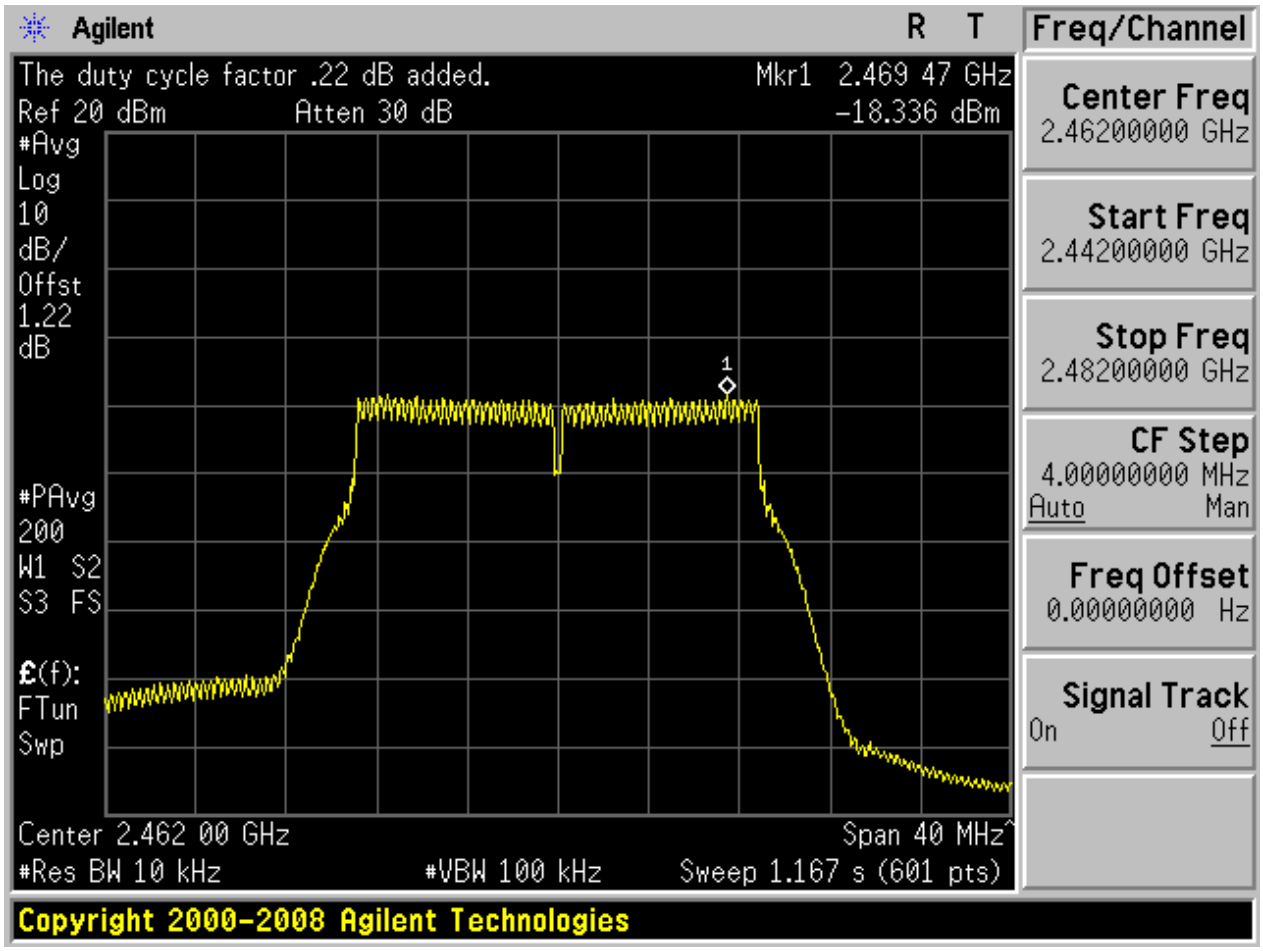

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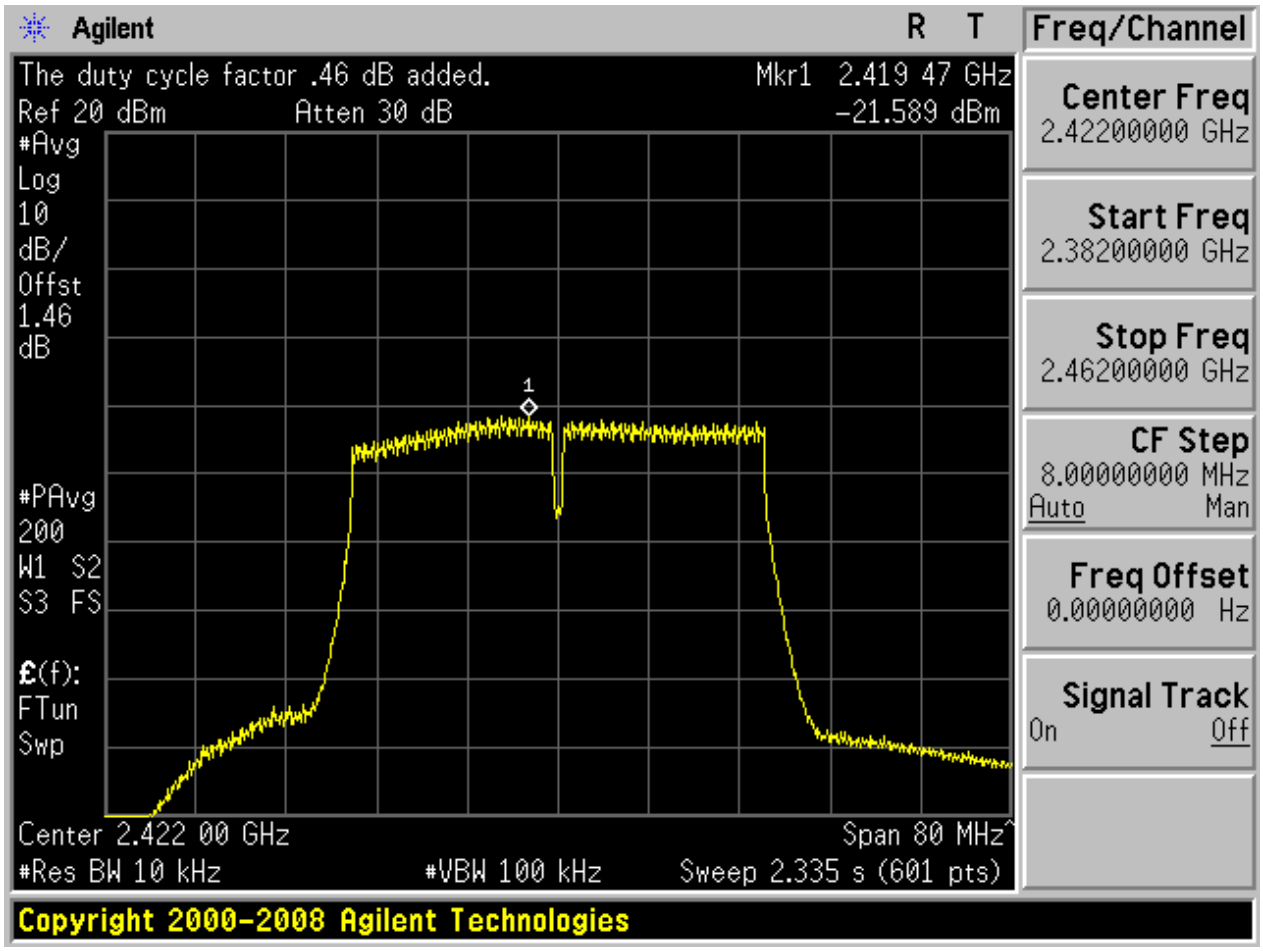
2.25 11N40_L@Ant 1



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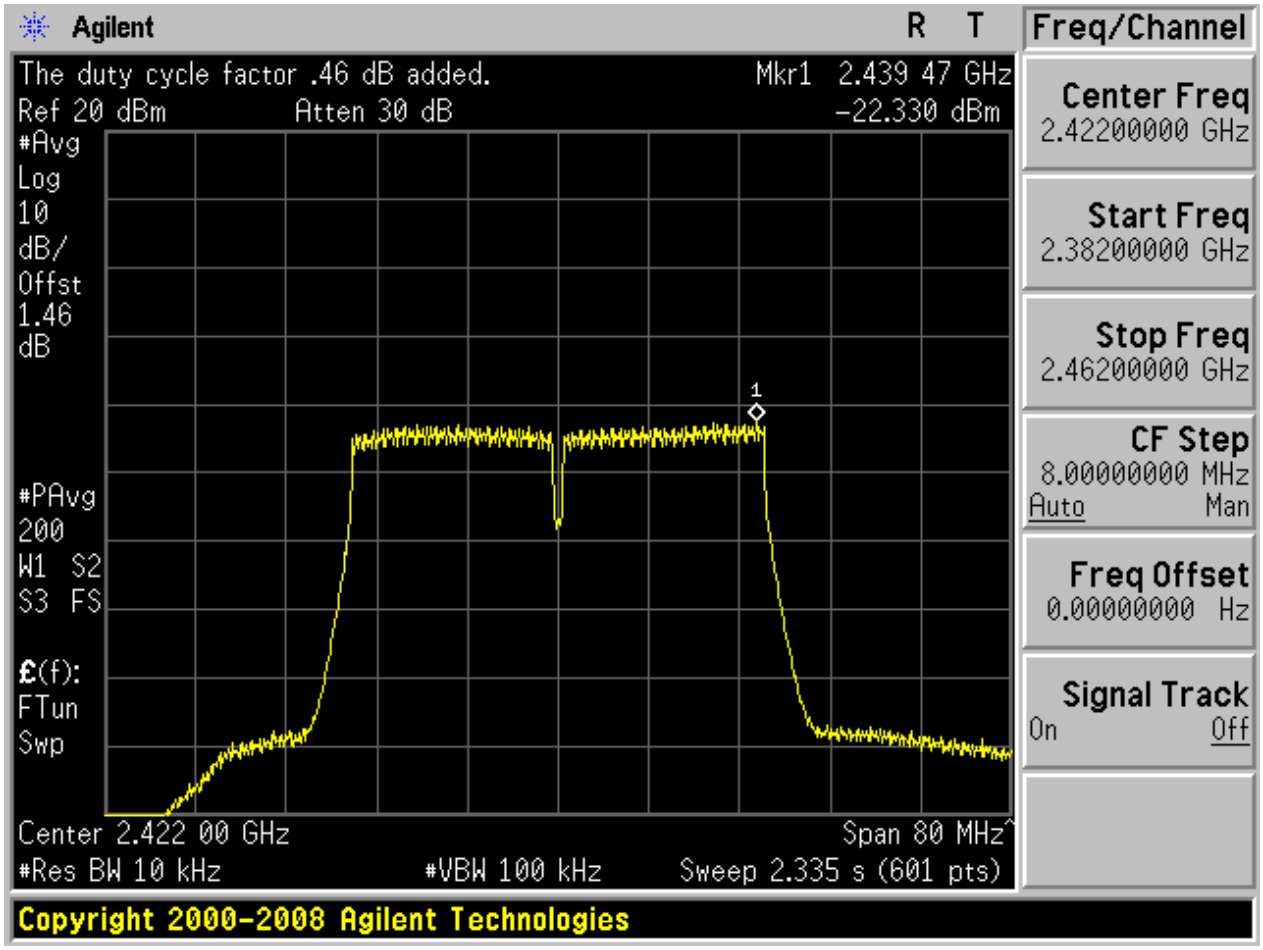
2.26 11N40_L@Ant 2



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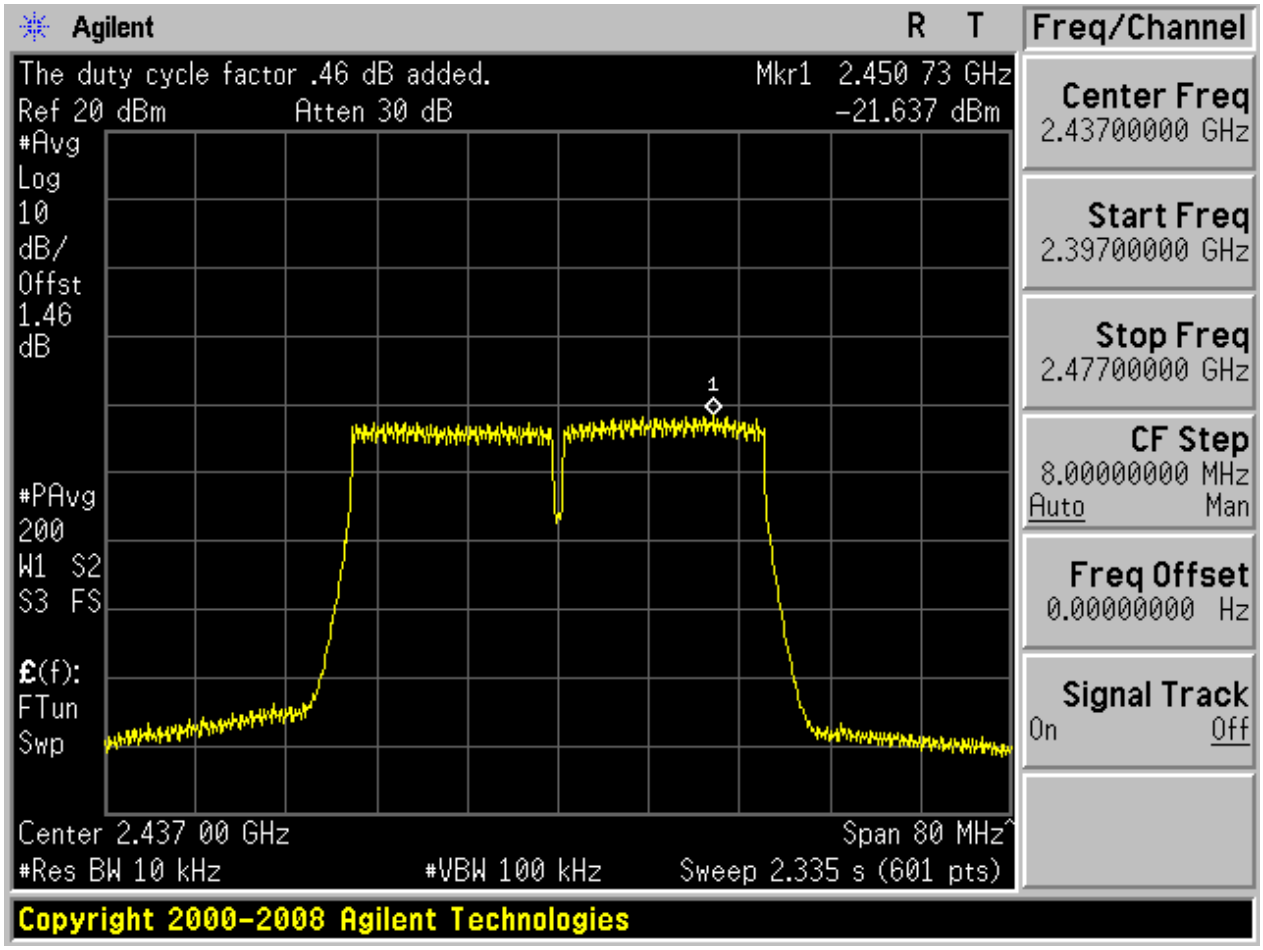
2.27 11N40_M@Ant 1



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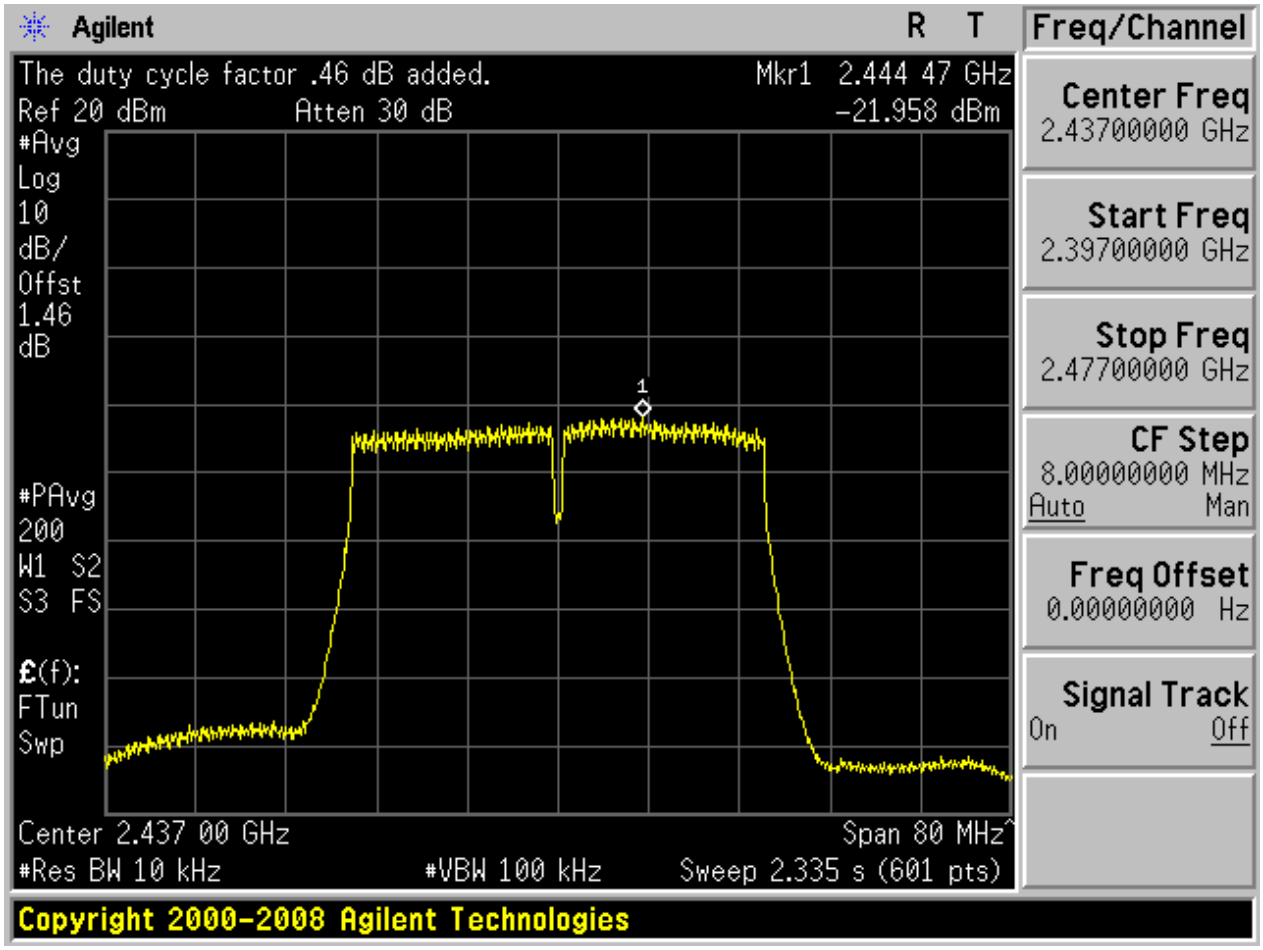

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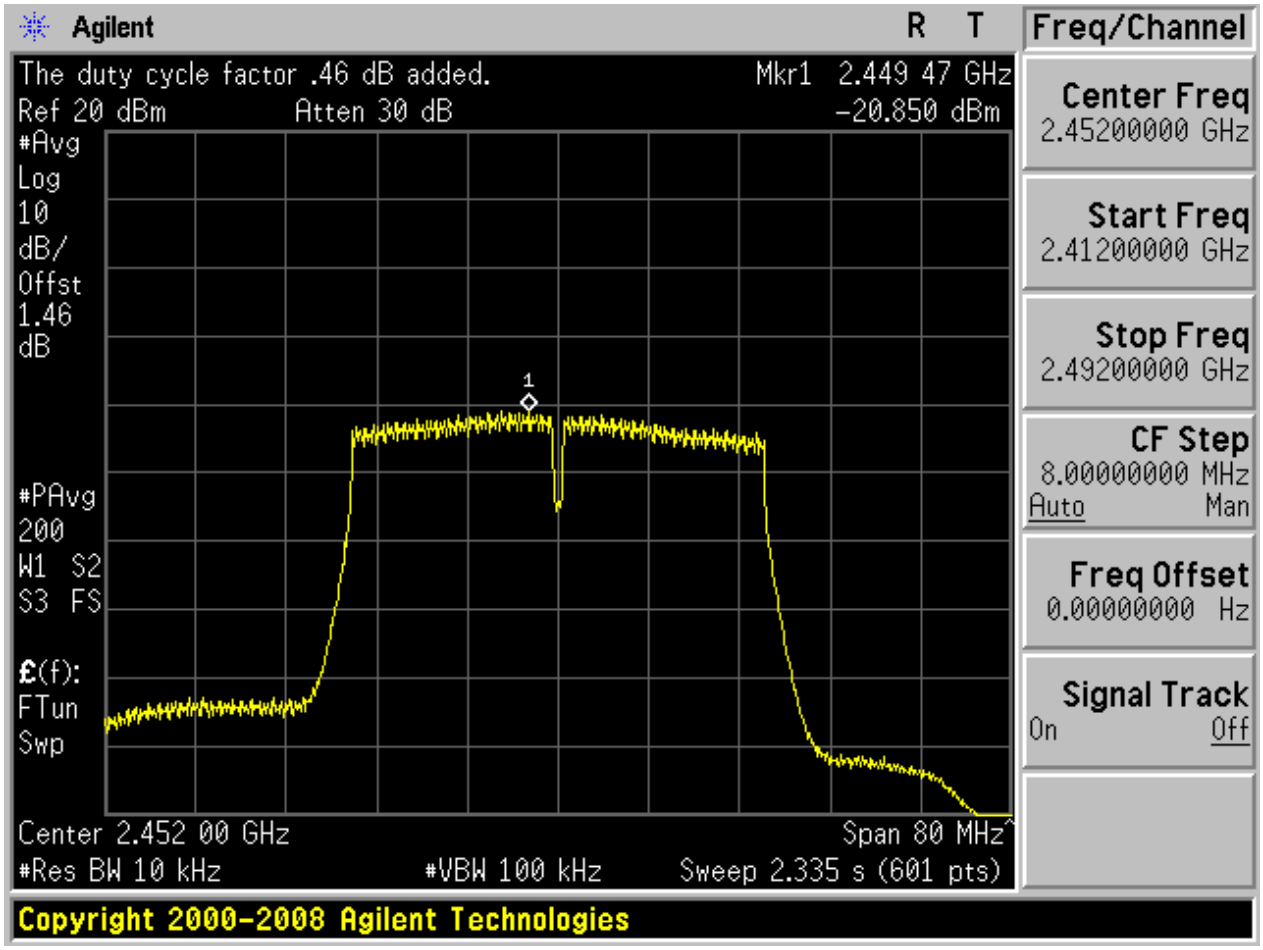

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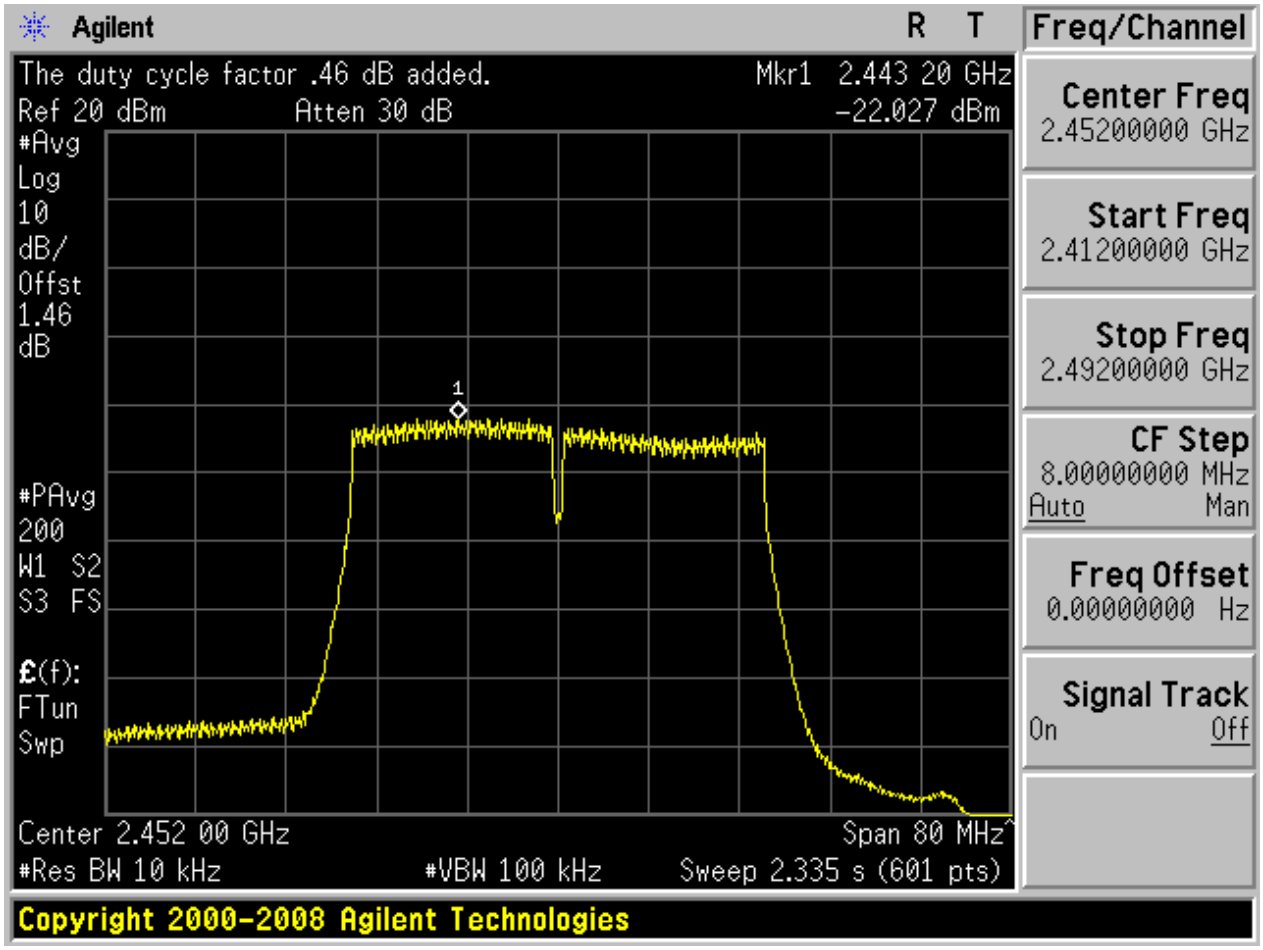

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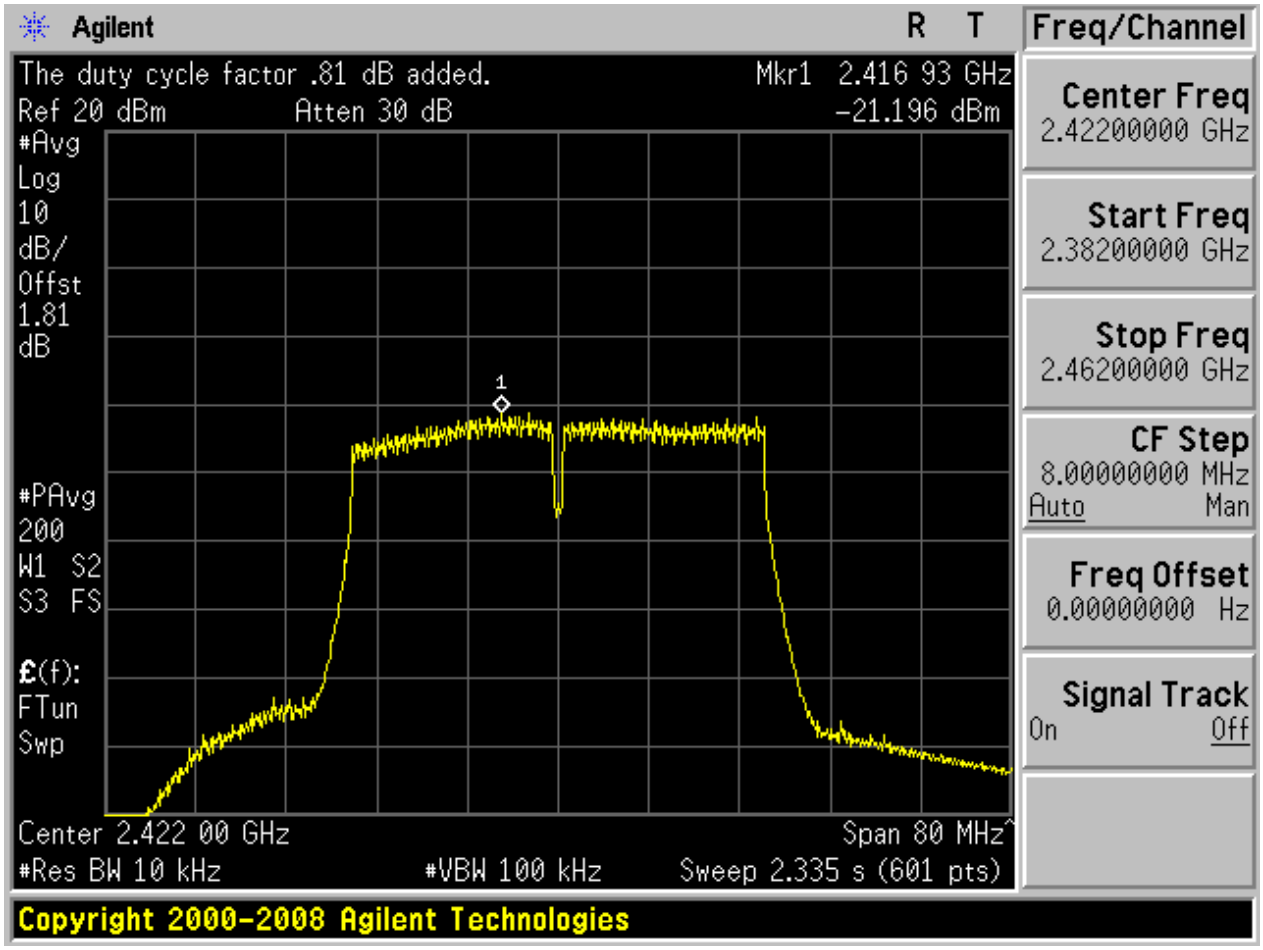

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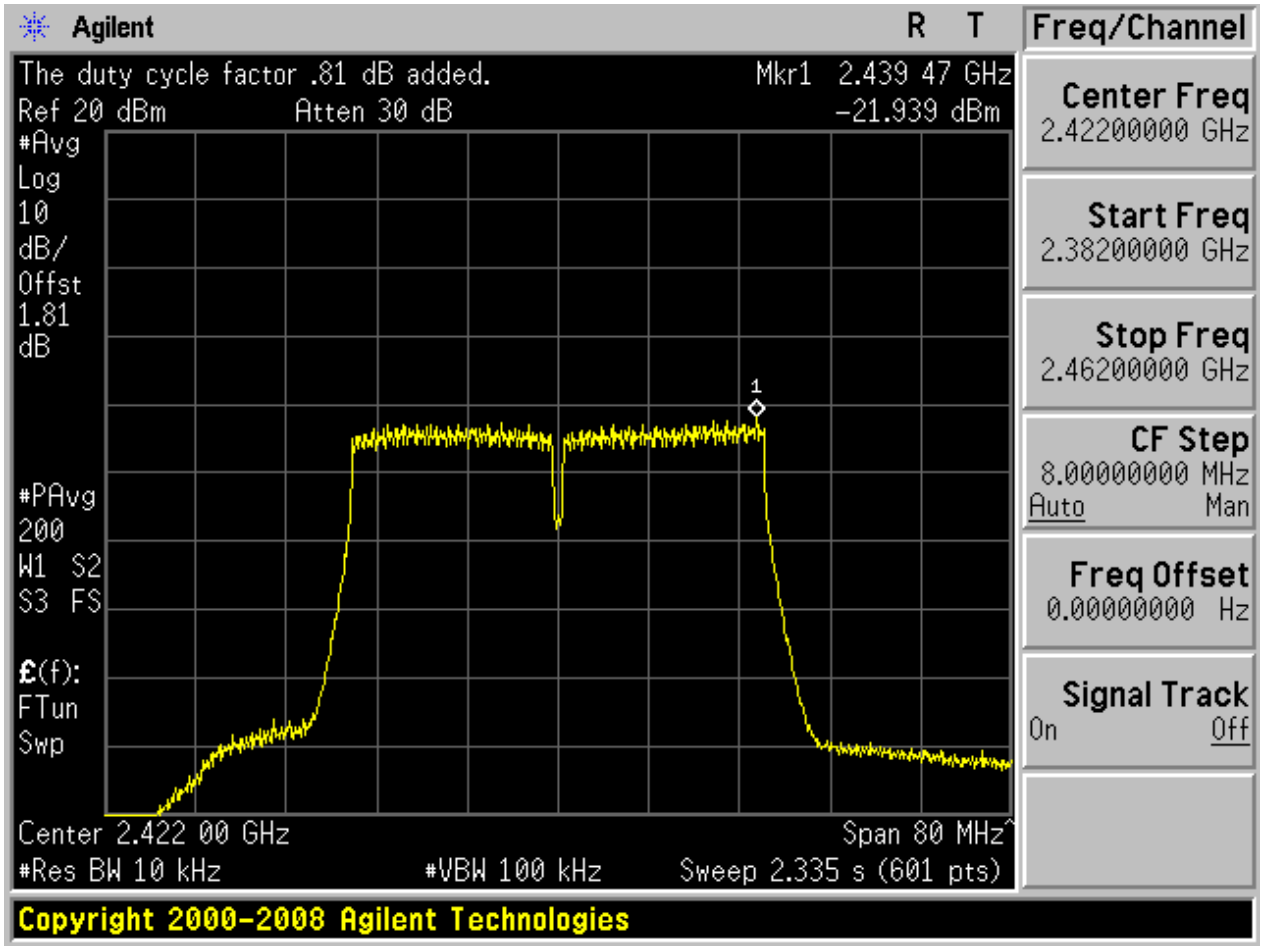

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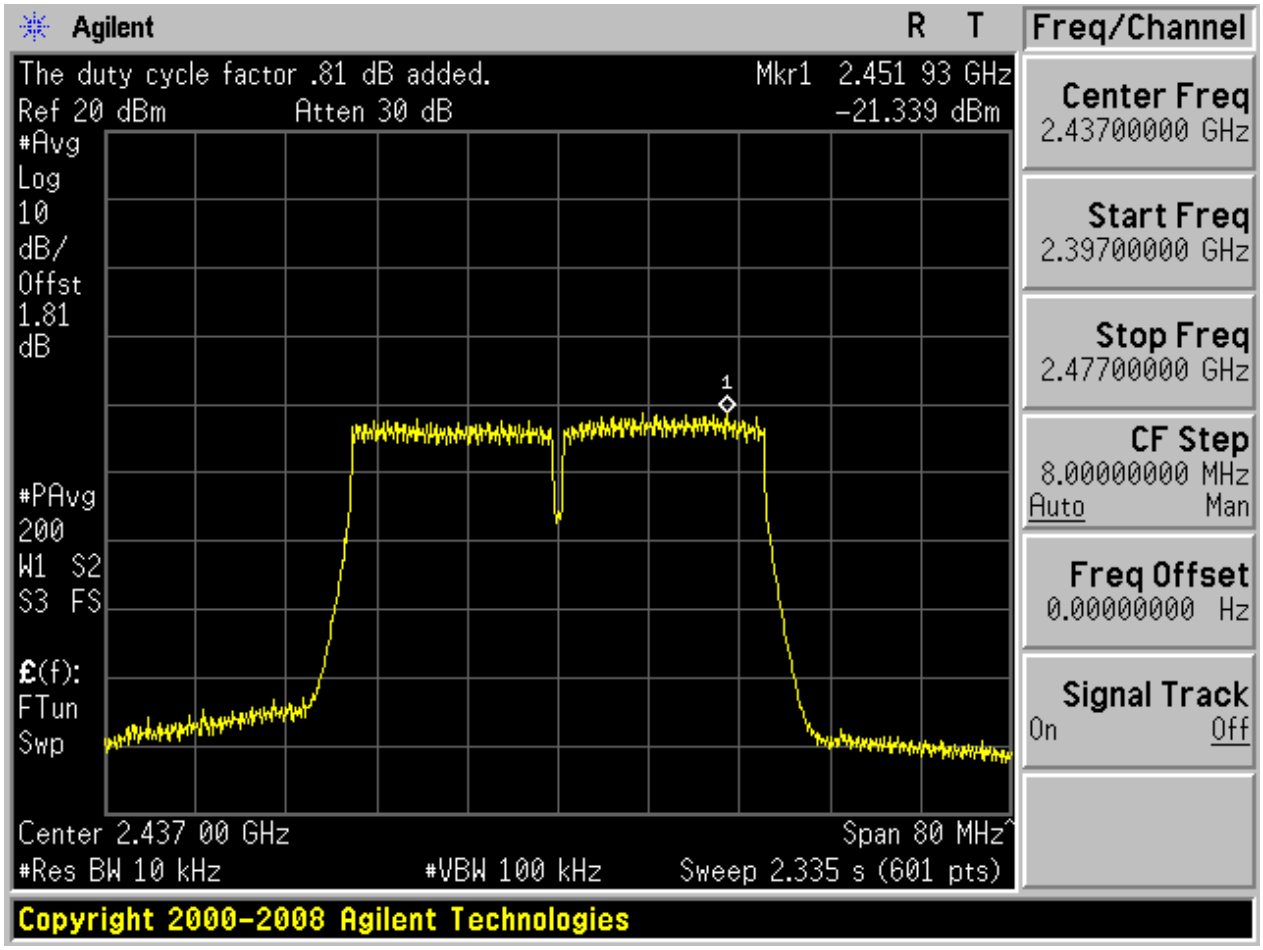

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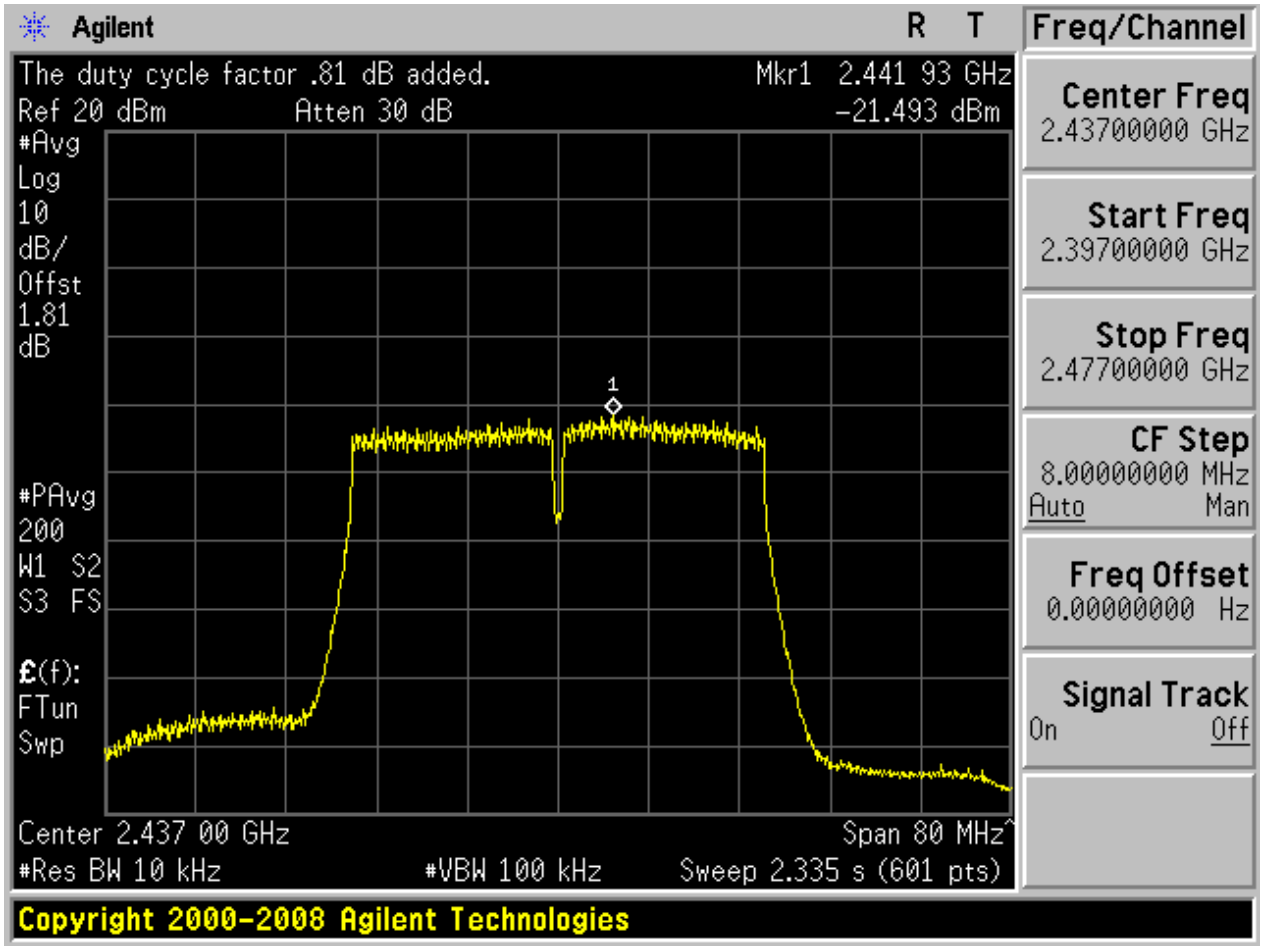

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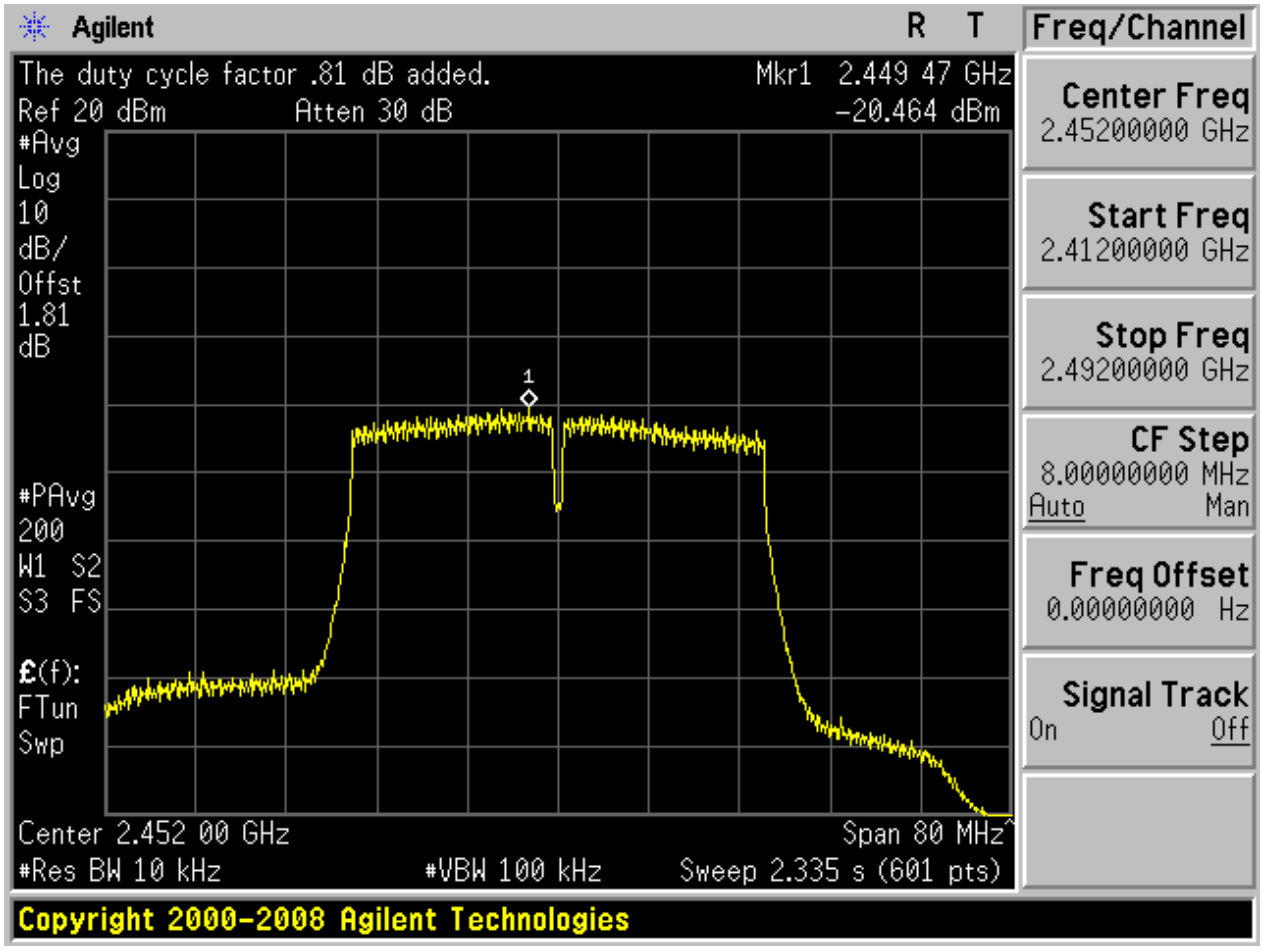

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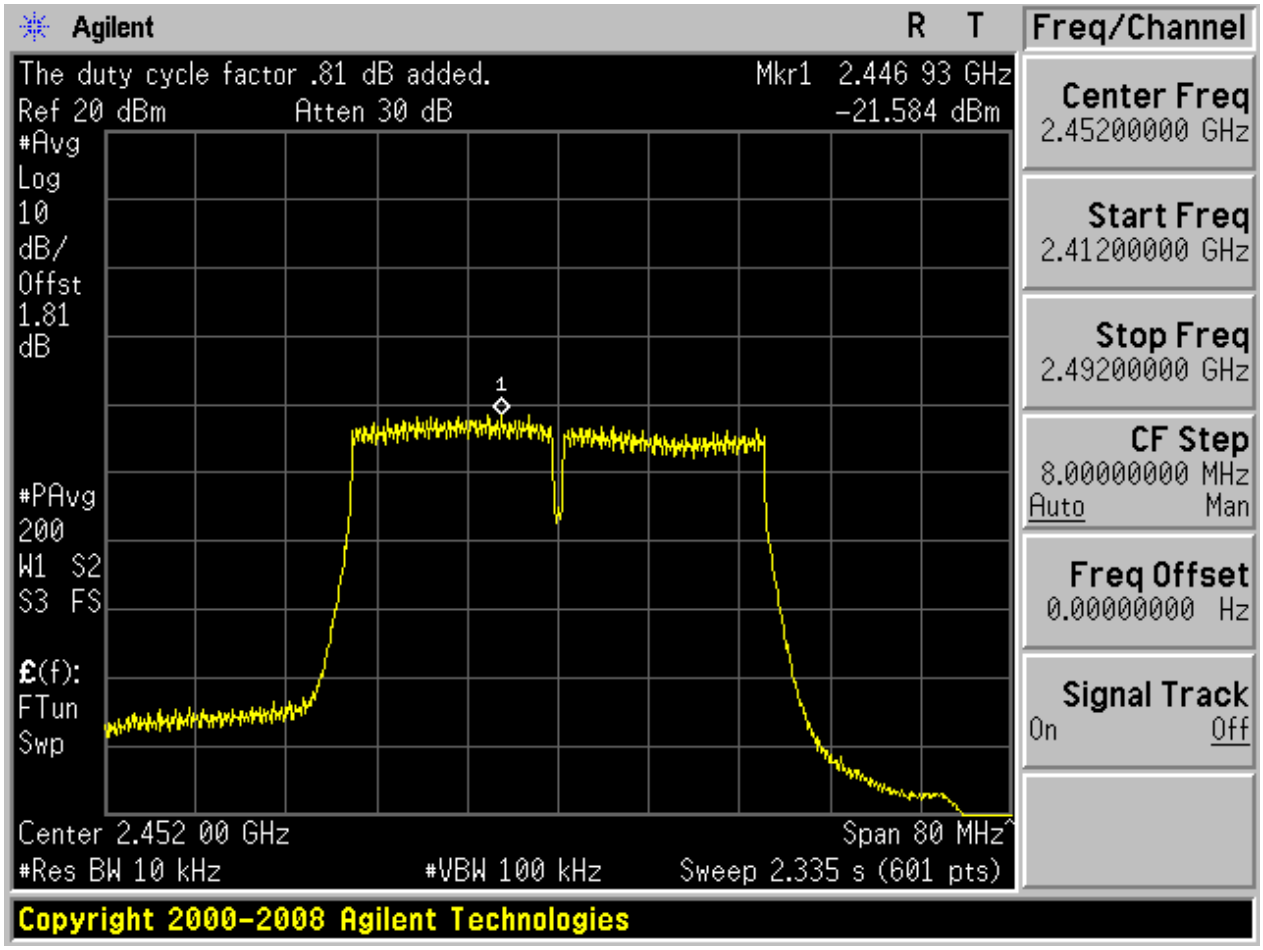

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Appendix F: Band Edges Compliance

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Carrier Power[dBm]	Max.Spurious Level[dBm]	Verdict
11B	L	2412	Ant 1	6.23	-52.64	pass
11B	L	2412	Ant 2	6.31	-52.54	pass
11B	H	2462	Ant 1	7.27	-48.42	pass
11B	H	2462	Ant 2	6.35	-48.21	pass
11G	L	2412	Ant 1	1.92	-51.92	pass
11G	L	2412	Ant 2	1.15	-53.42	pass
11G	H	2462	Ant 1	2.87	-49.23	pass
11G	H	2462	Ant 2	1.63	-49.95	pass
11N20	L	2412	Ant 1	.77	-51.80	pass
11N20	L	2412	Ant 2	.37	-52.09	pass
11N20	H	2462	Ant 1	1.69	-49.75	pass
11N20	H	2462	Ant 2	.76	-50.54	pass
11N20m	L	2412	Ant 1	.89	-52.21	pass
11N20m	L	2412	Ant 2	.27	-52.54	pass
11N20m	H	2462	Ant 1	1.78	-49.99	pass
11N20m	H	2462	Ant 2	.83	-51.46	pass
11N40	L	2422	Ant 1	-2.26	-49.26	pass
11N40	L	2422	Ant 2	-3.82	-53.01	pass
11N40	H	2452	Ant 1	-2.42	-49.82	pass
11N40	H	2452	Ant 2	-4.26	-51.19	pass
11N40m	L	2422	Ant 1	-2.27	-49.97	pass
11N40m	L	2422	Ant 2	-3.51	-51.81	pass
11N40m	H	2452	Ant 1	-2.44	-48.69	pass
11N40m	H	2452	Ant 2	-4.33	-52.02	pass

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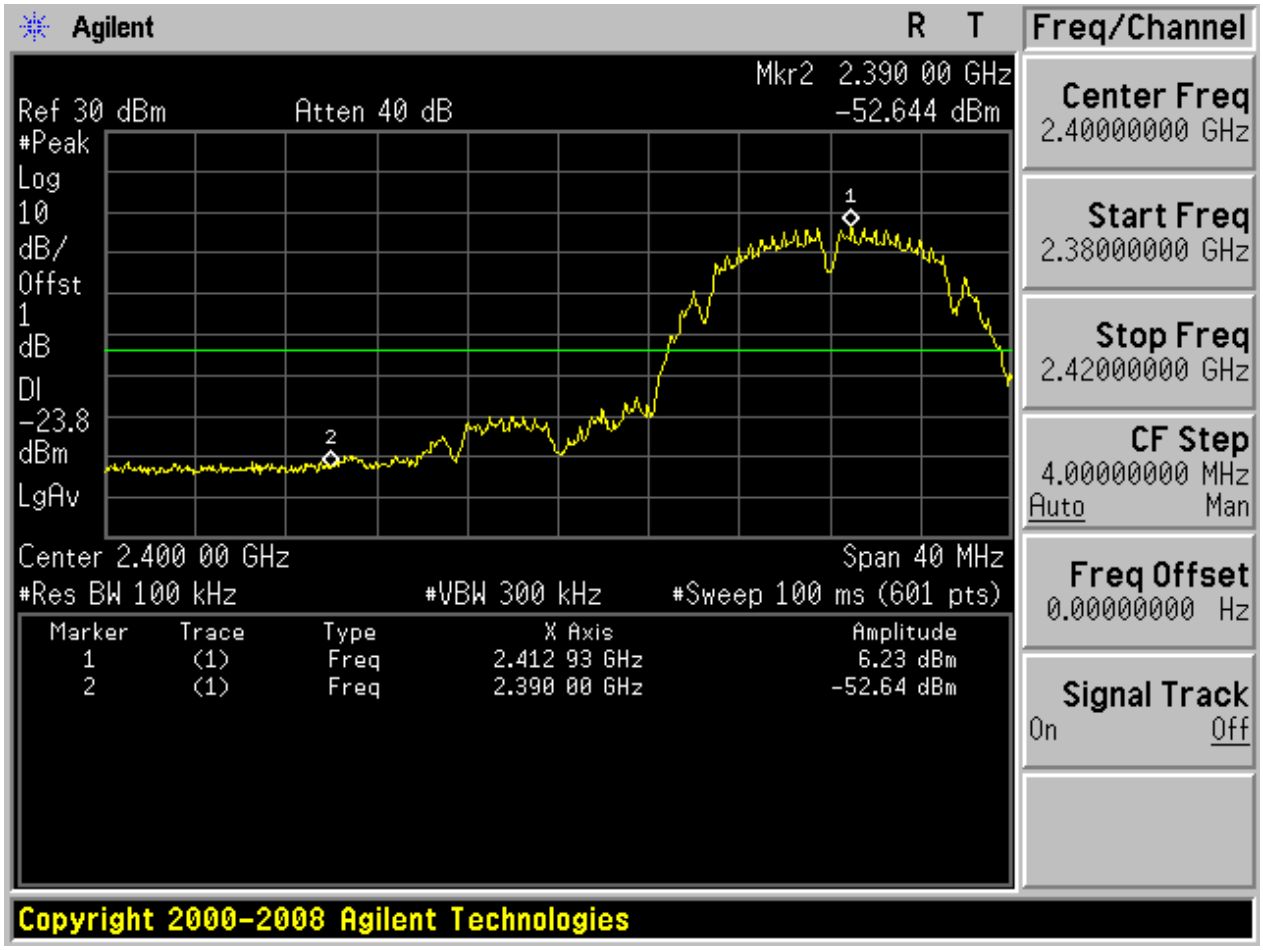
Part II - Test Plots

2.1 11B_L@Ant 1



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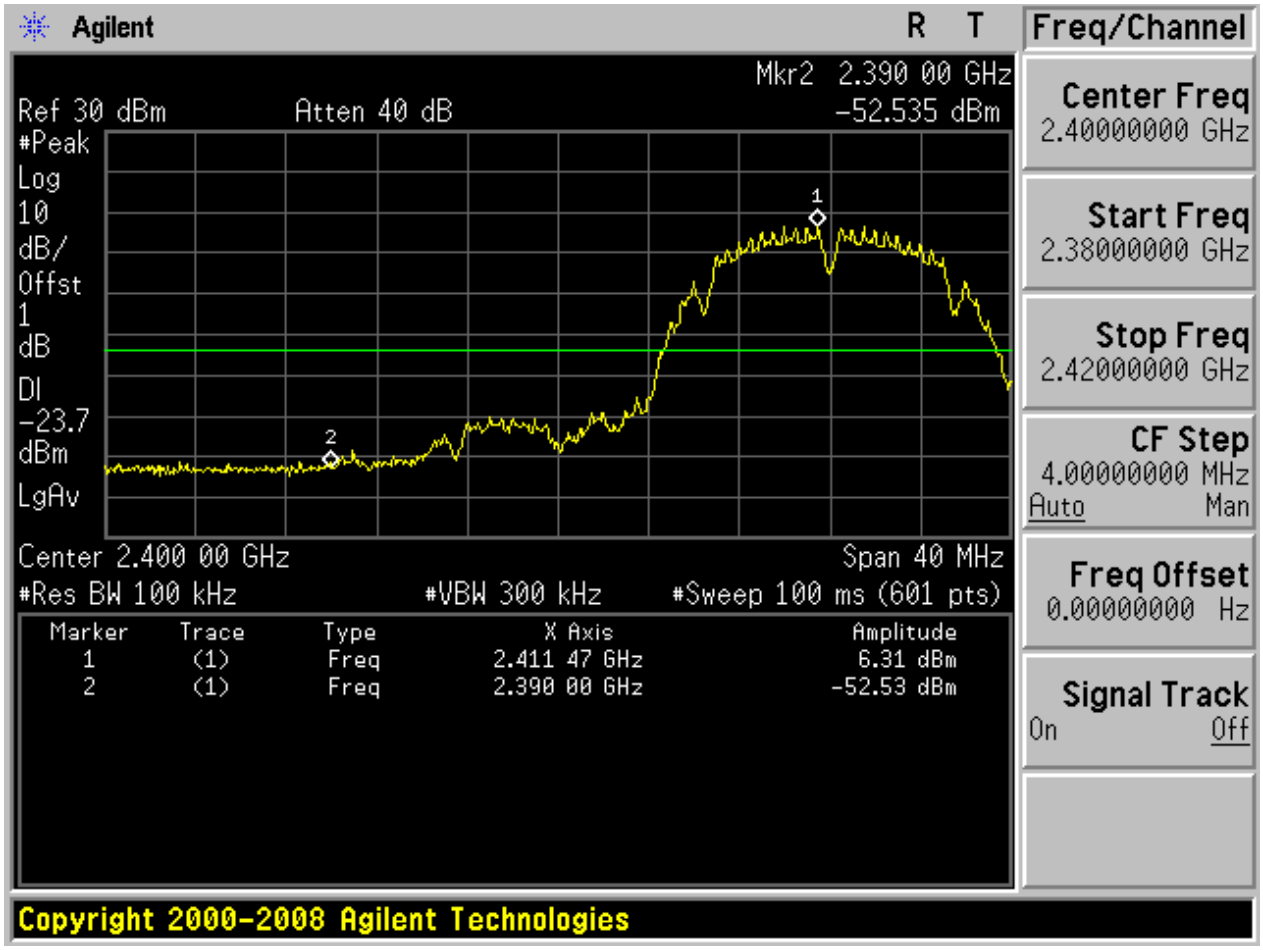

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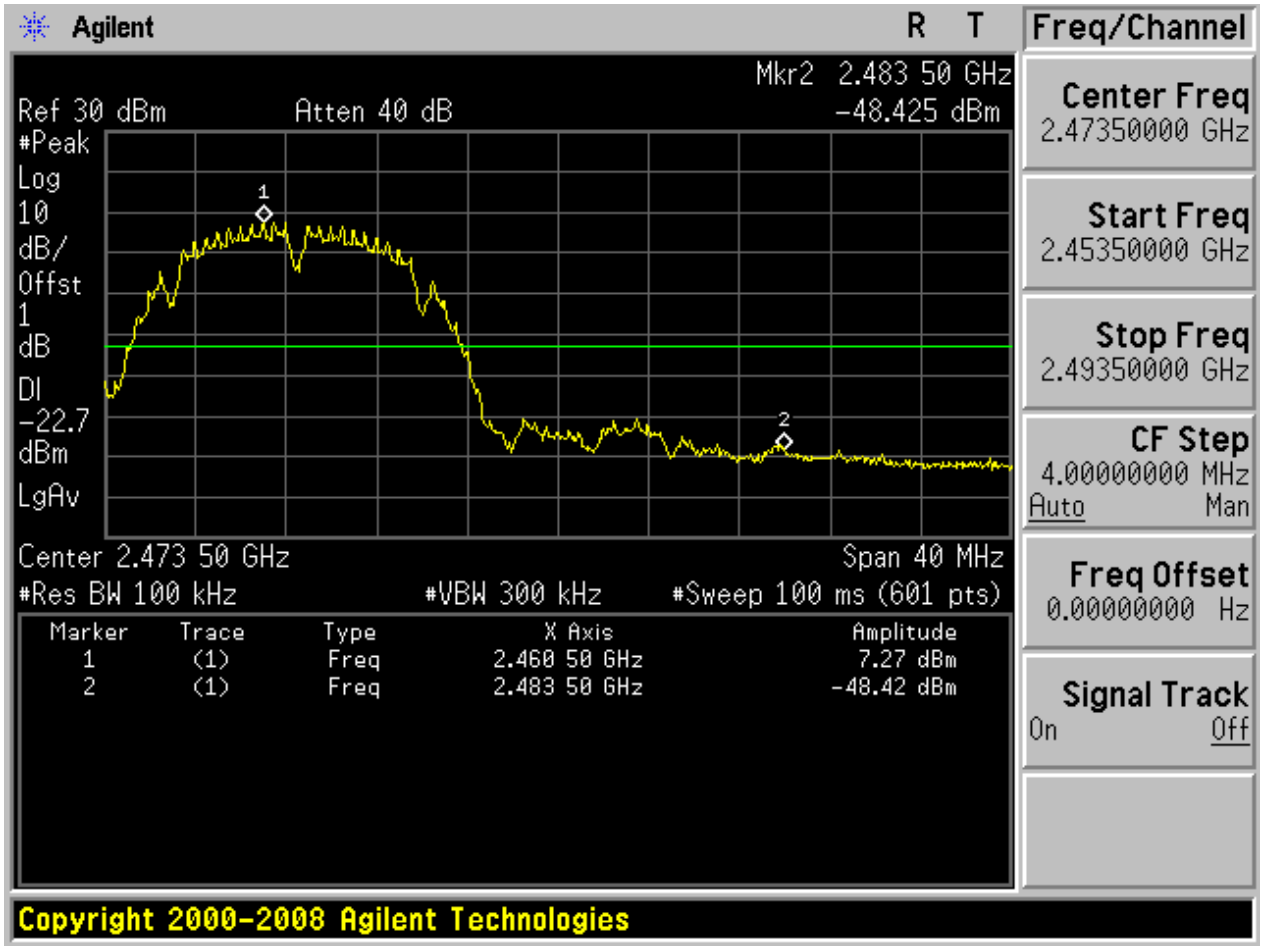
2.3 11B_H@Ant 1



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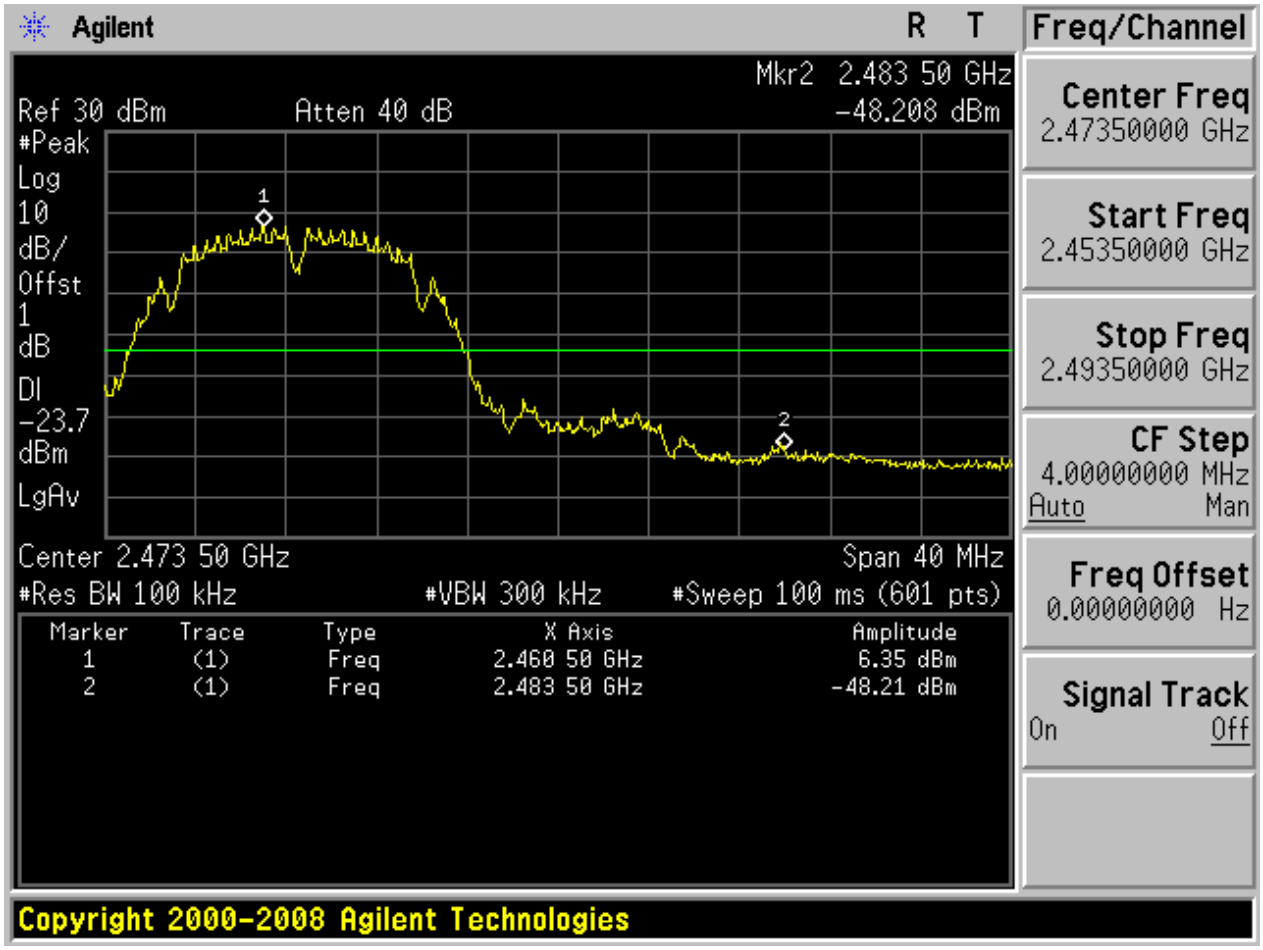
2.4 11B_H@Ant 2



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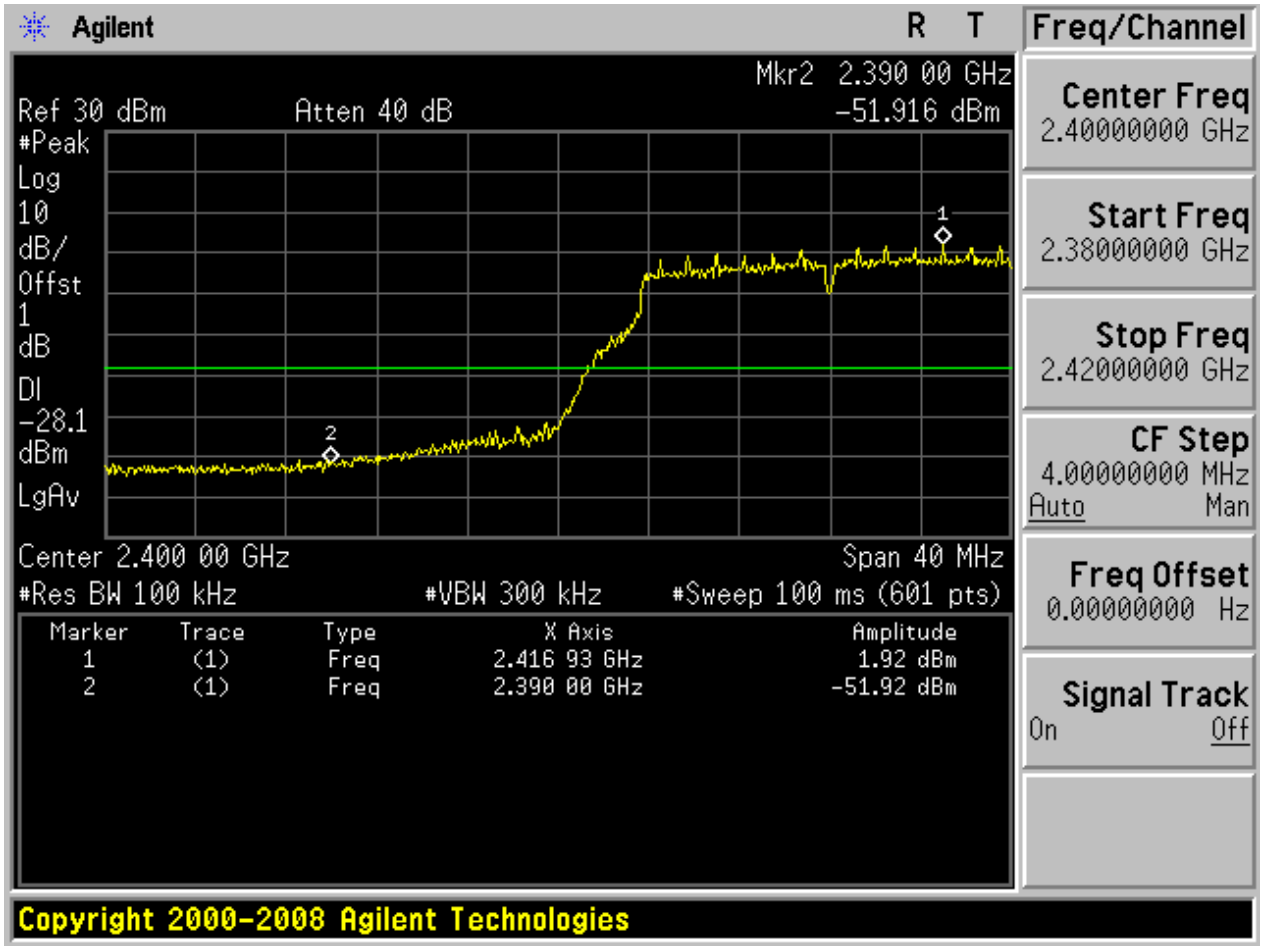
2.5 11G_L@Ant 1



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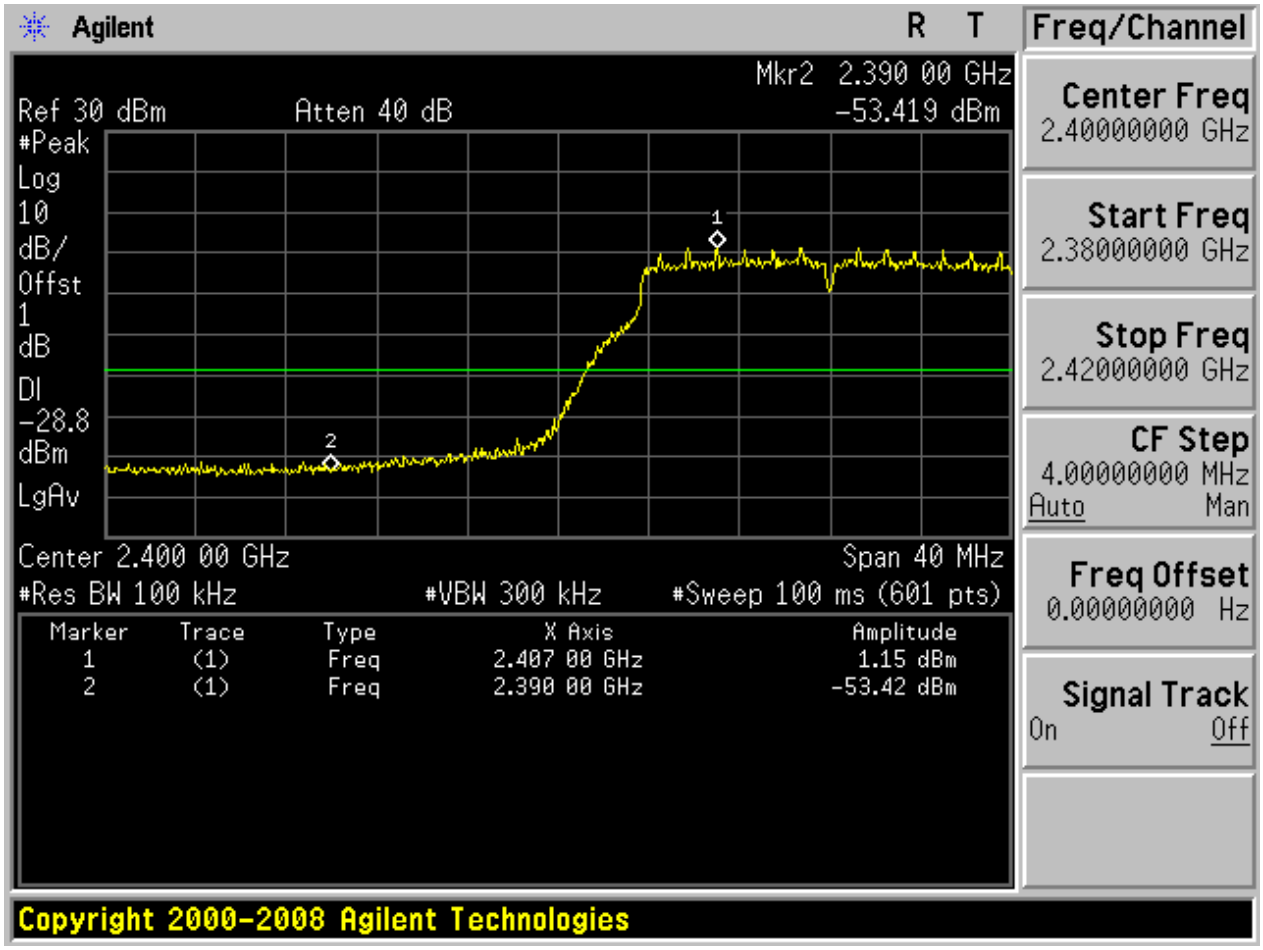
2.6 11G_L@Ant 2



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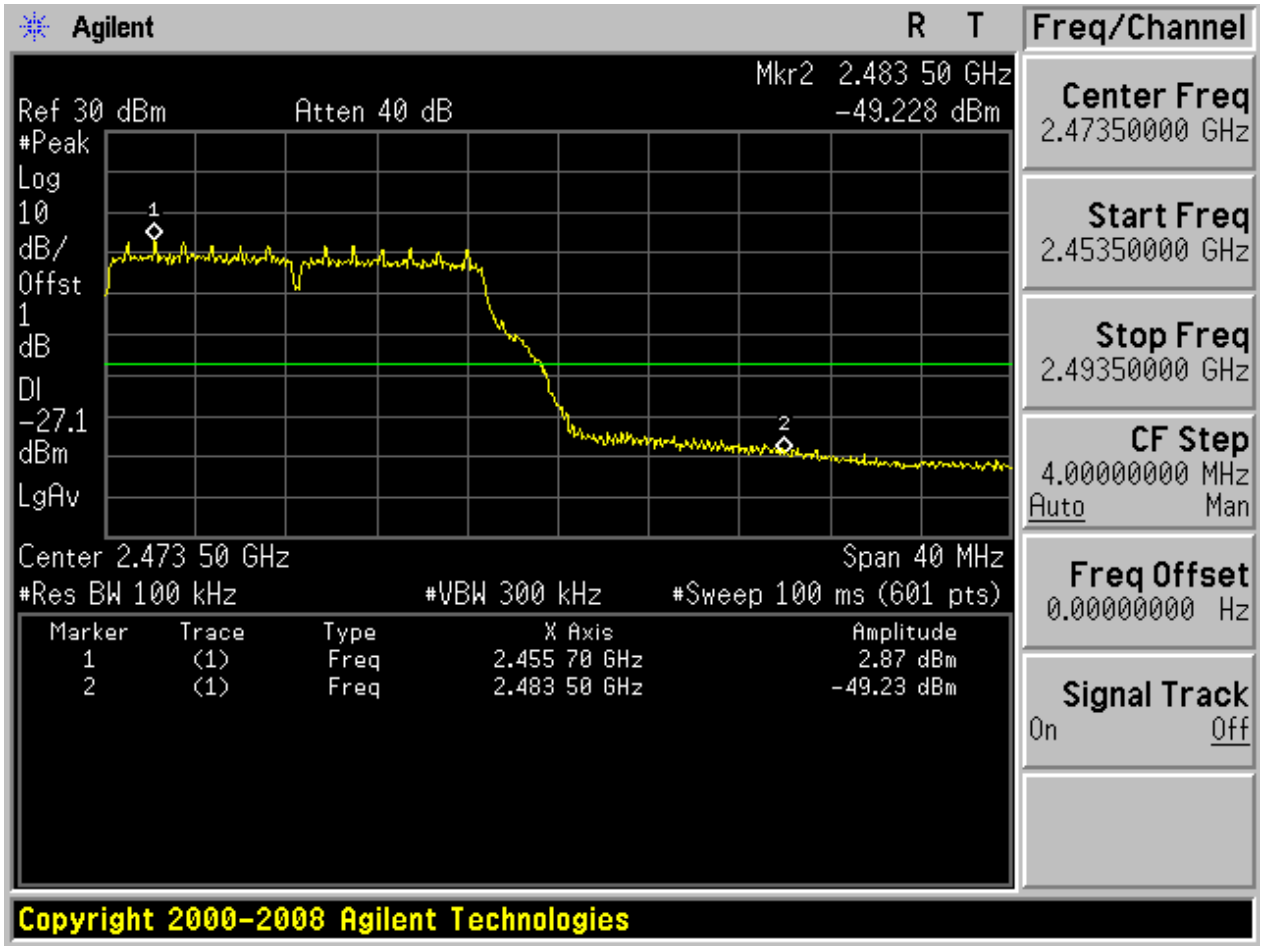
2.7 11G_H@Ant 1



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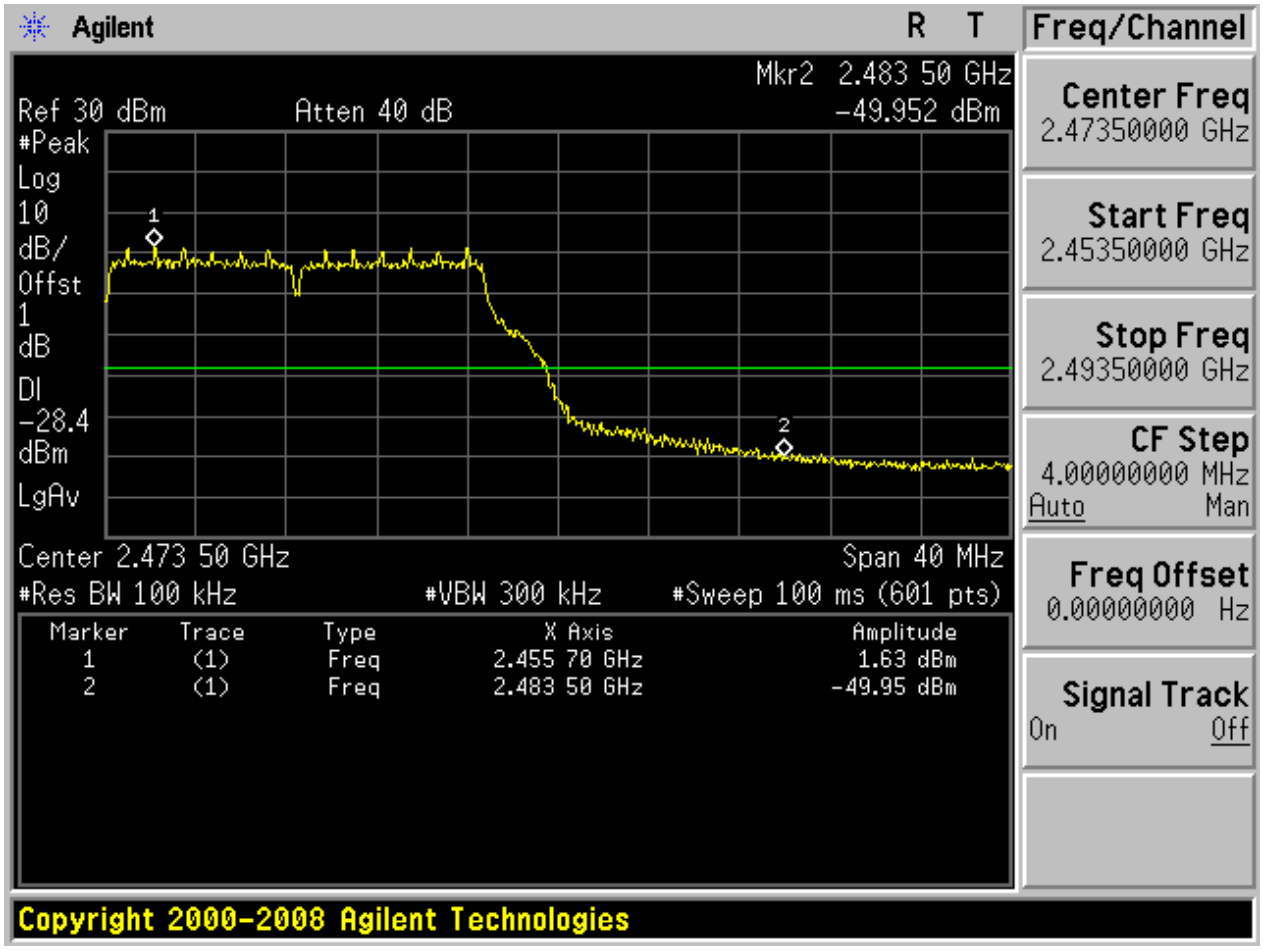
2.8 11G_H@Ant 2



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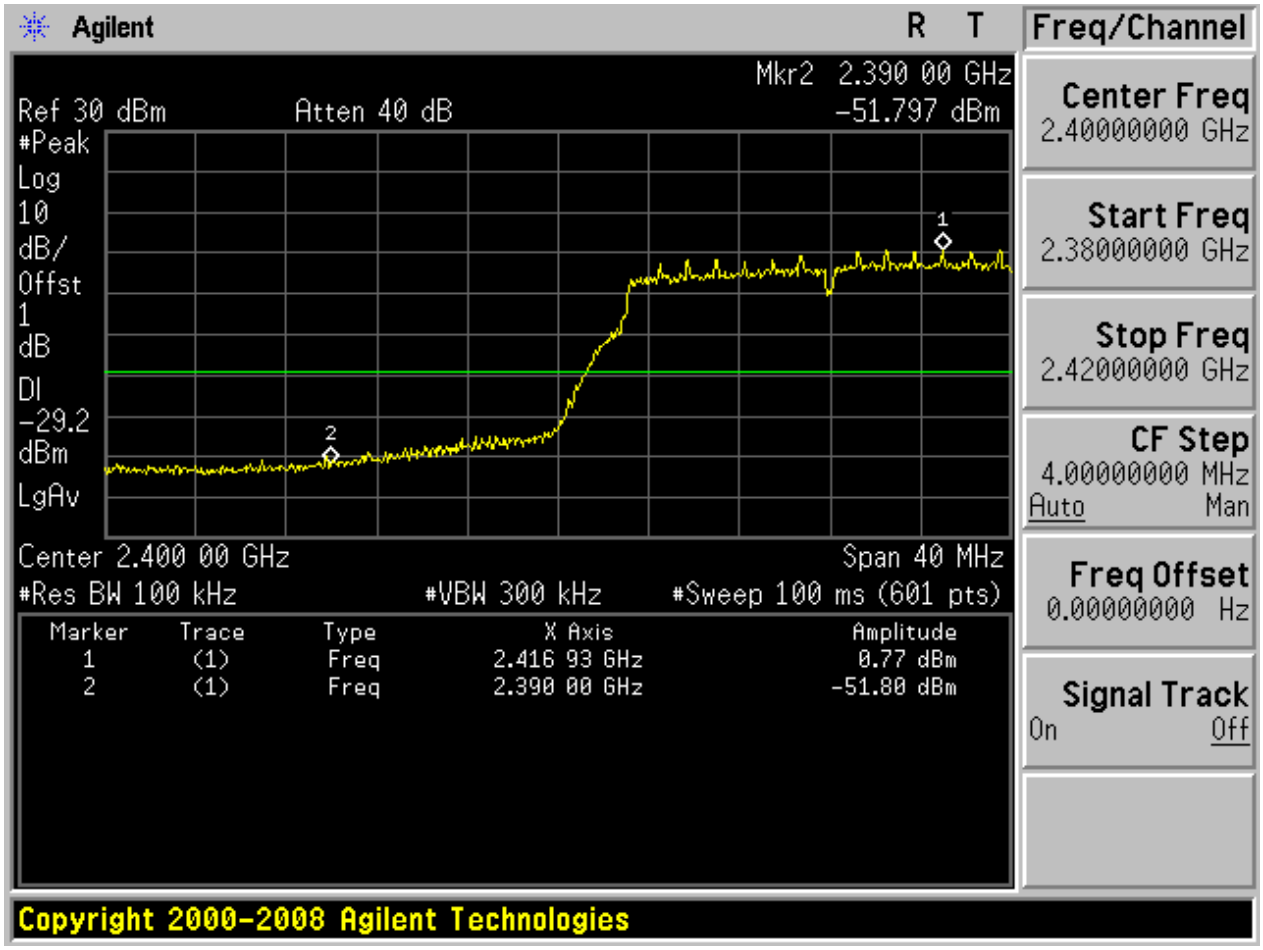
2.9 11N20_L@Ant 1



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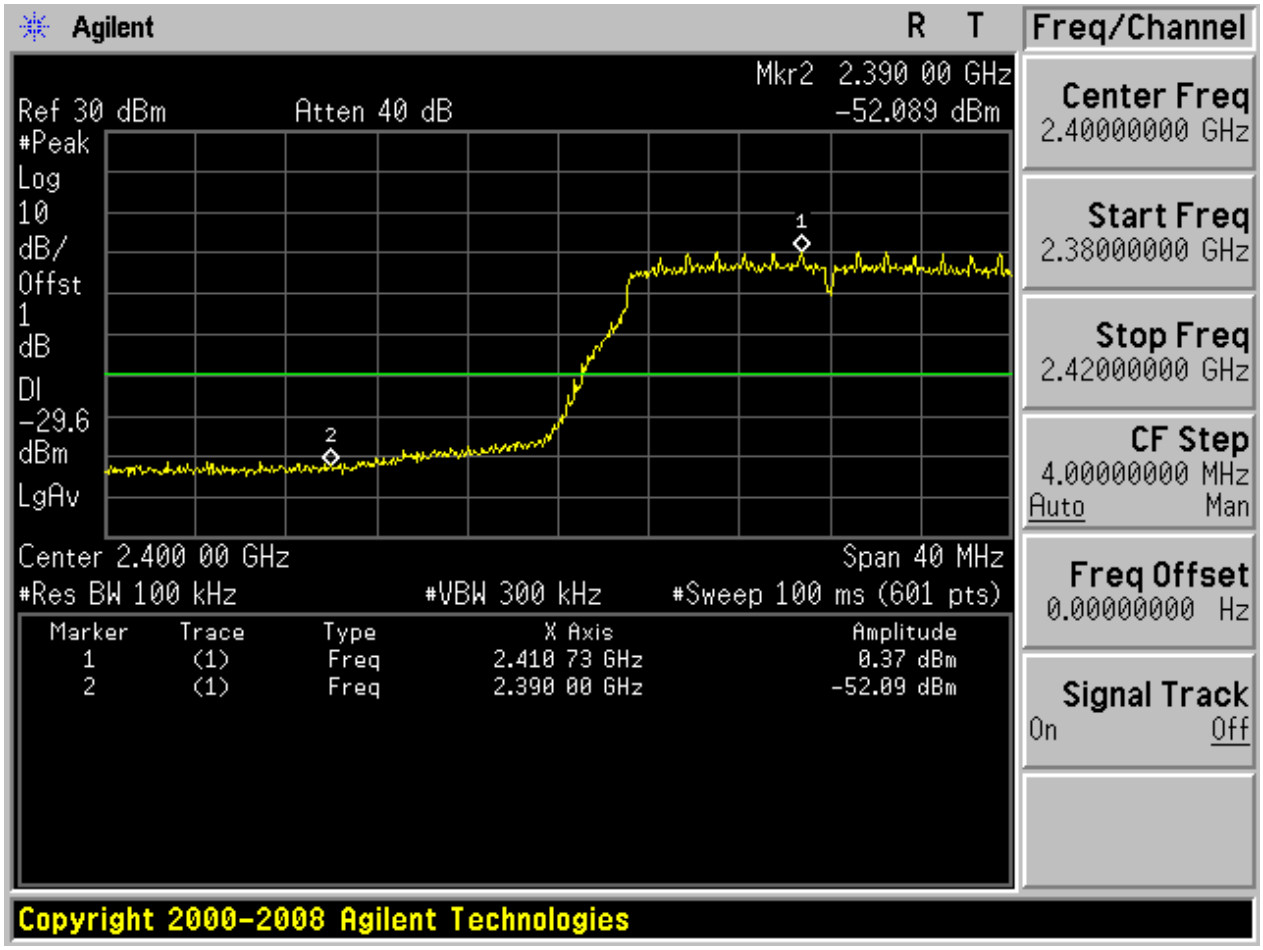

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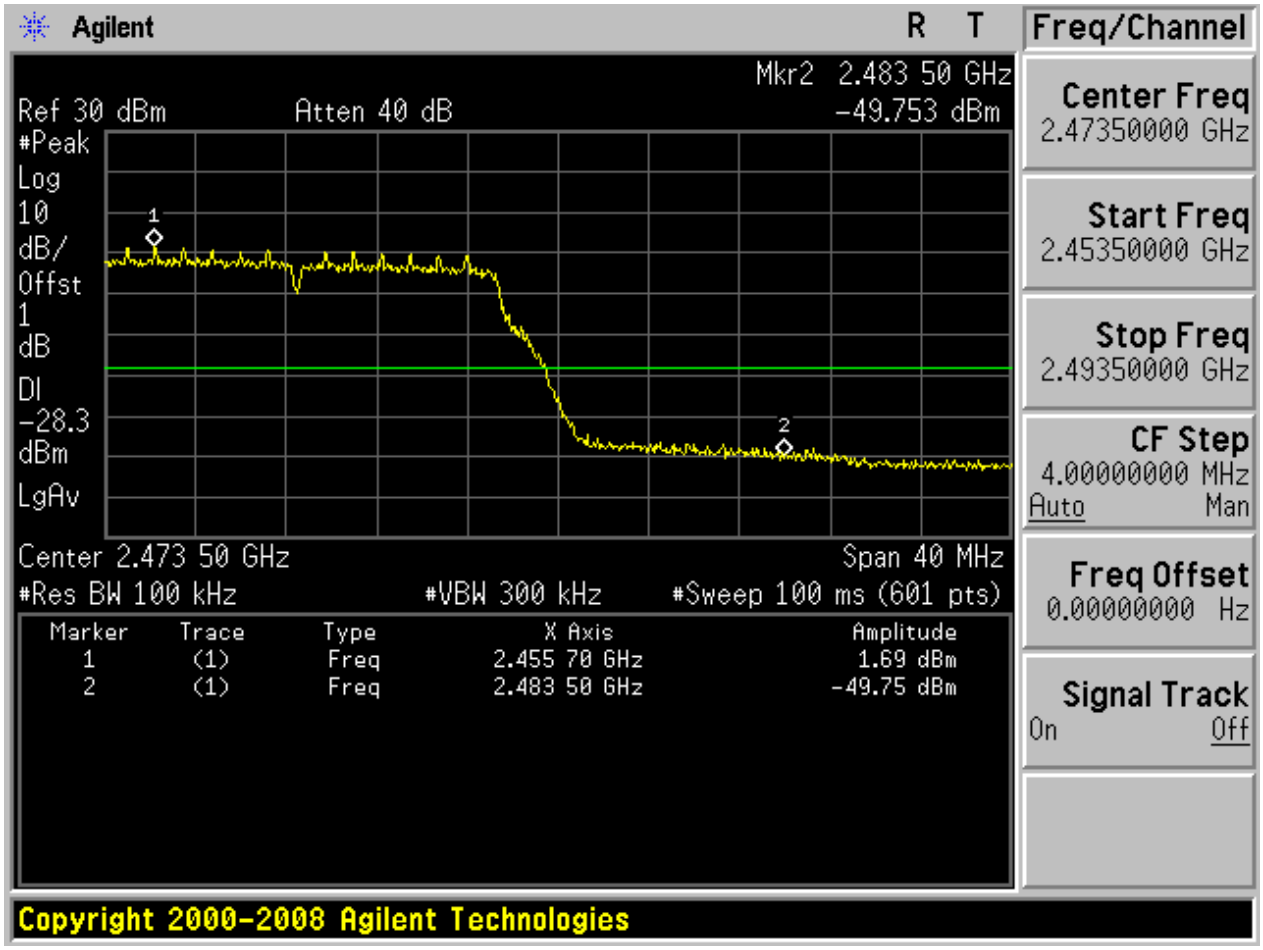
2.11 11N20_H@Ant 1



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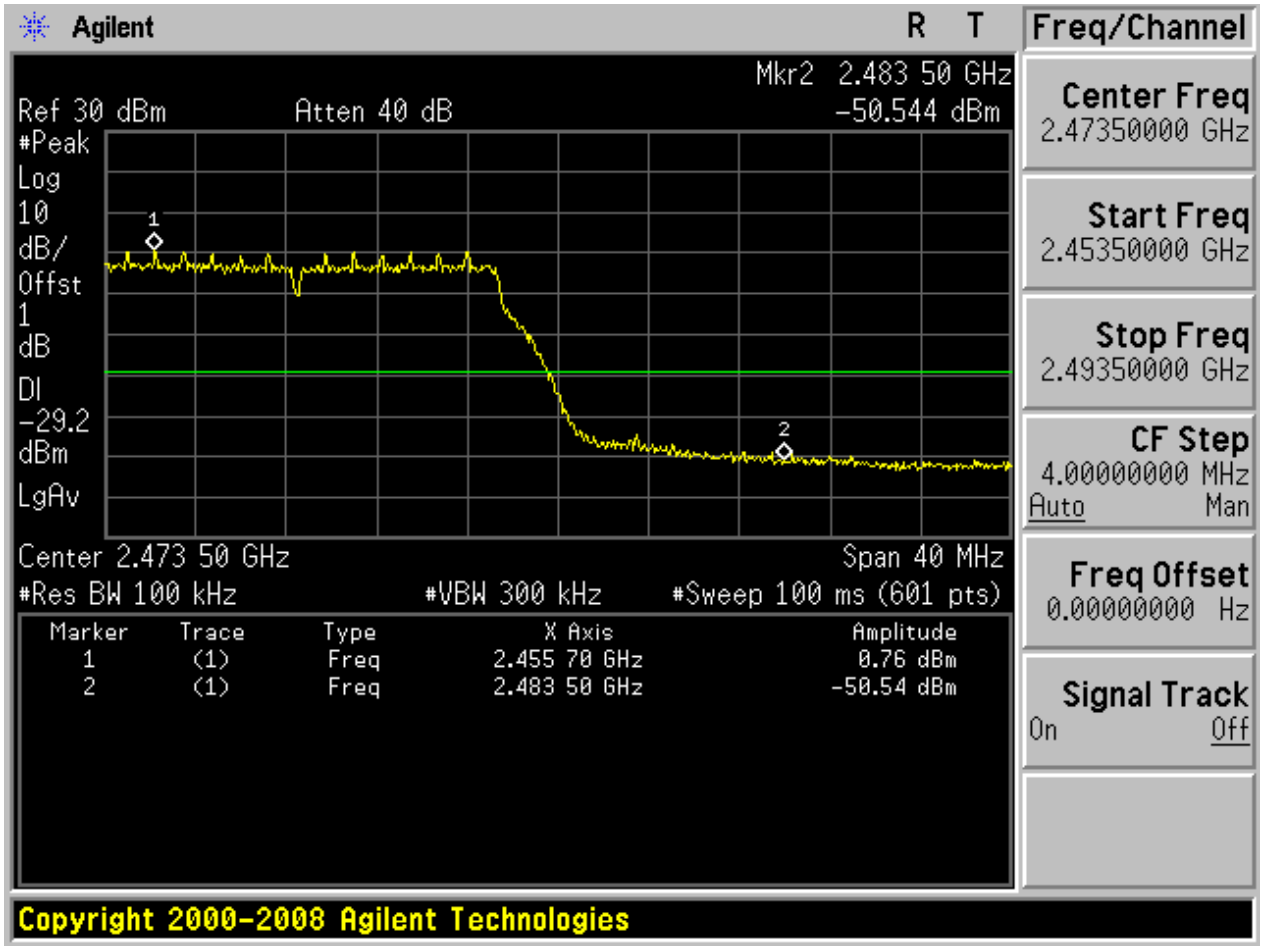

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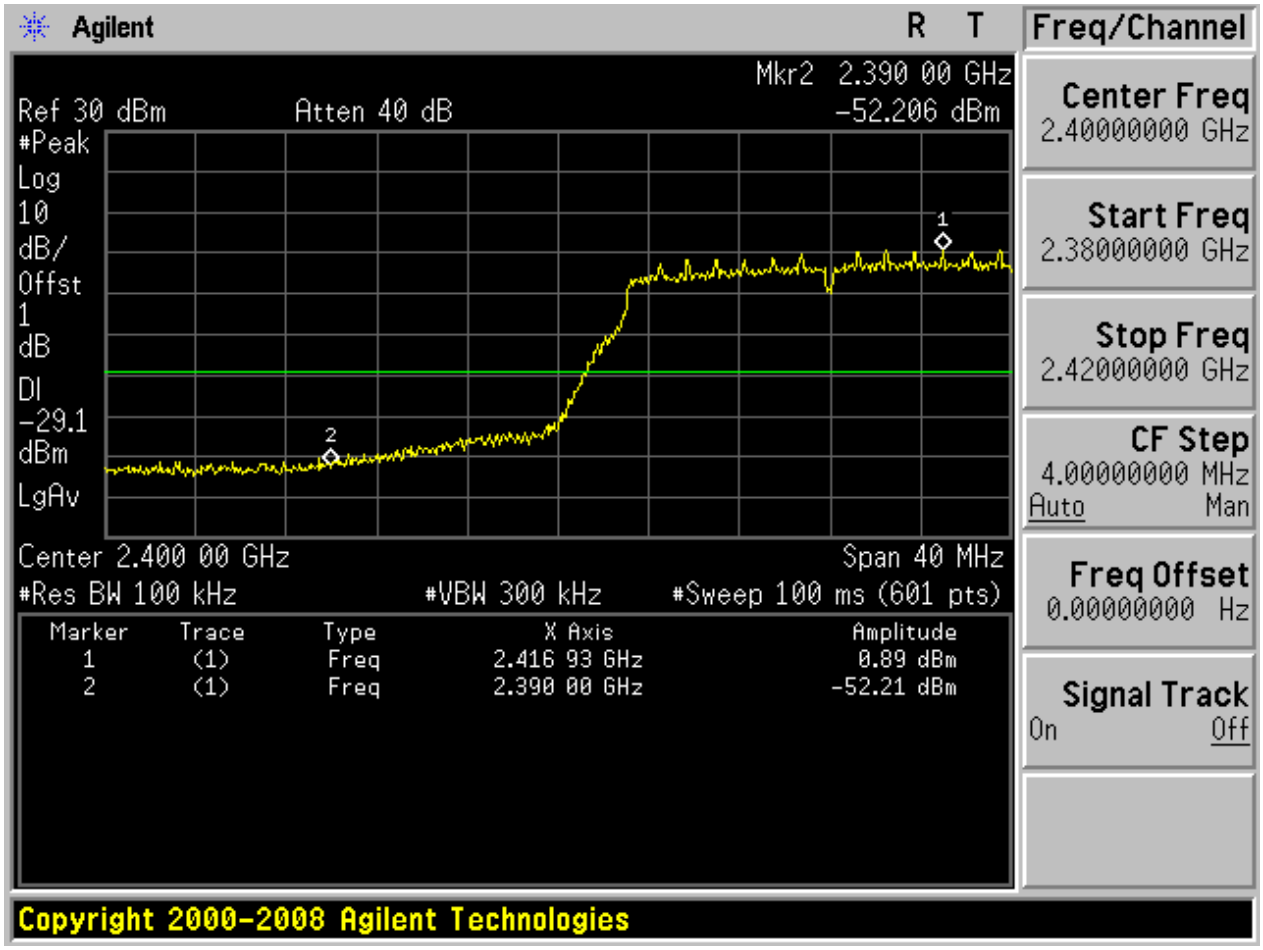

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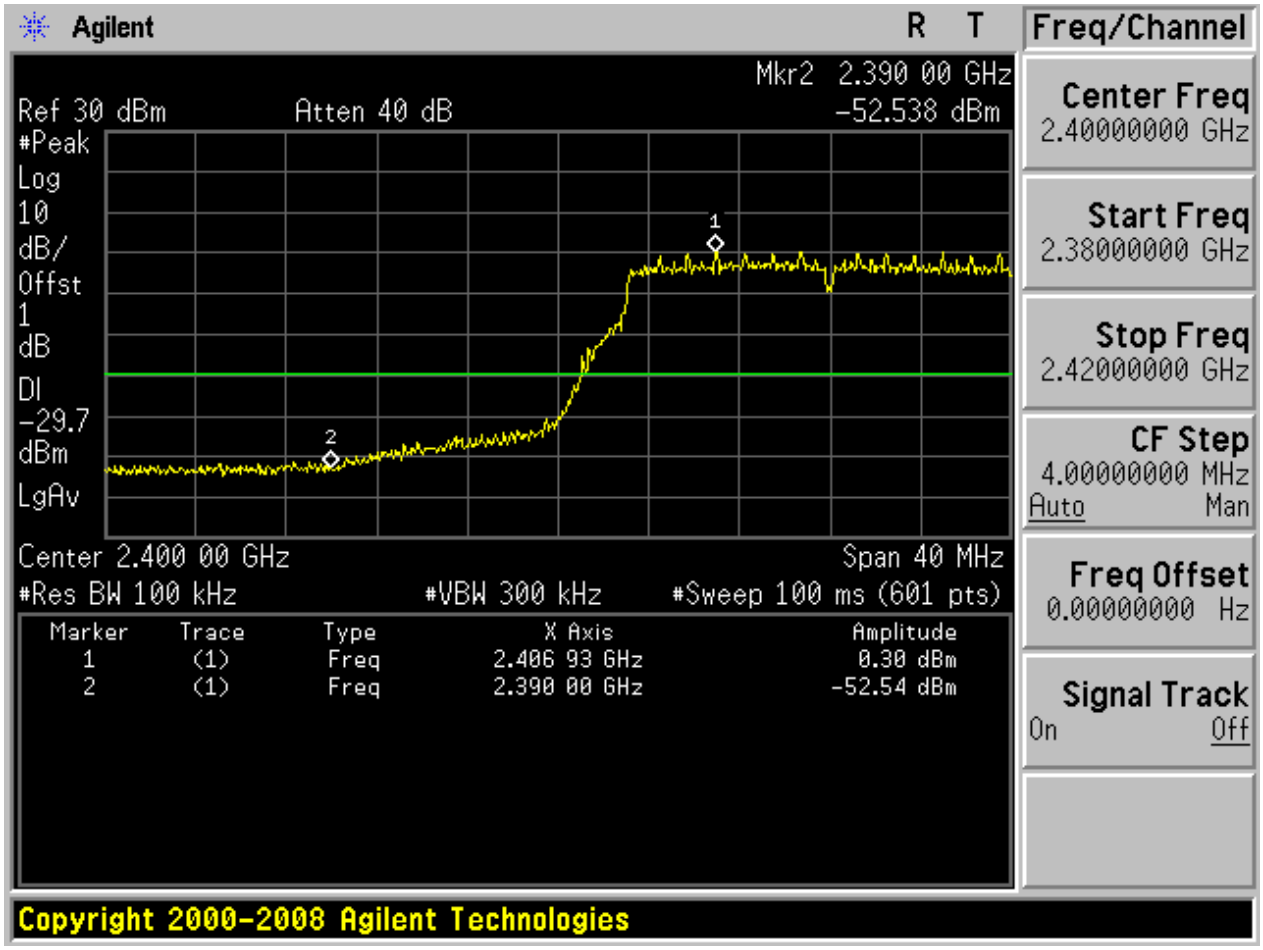

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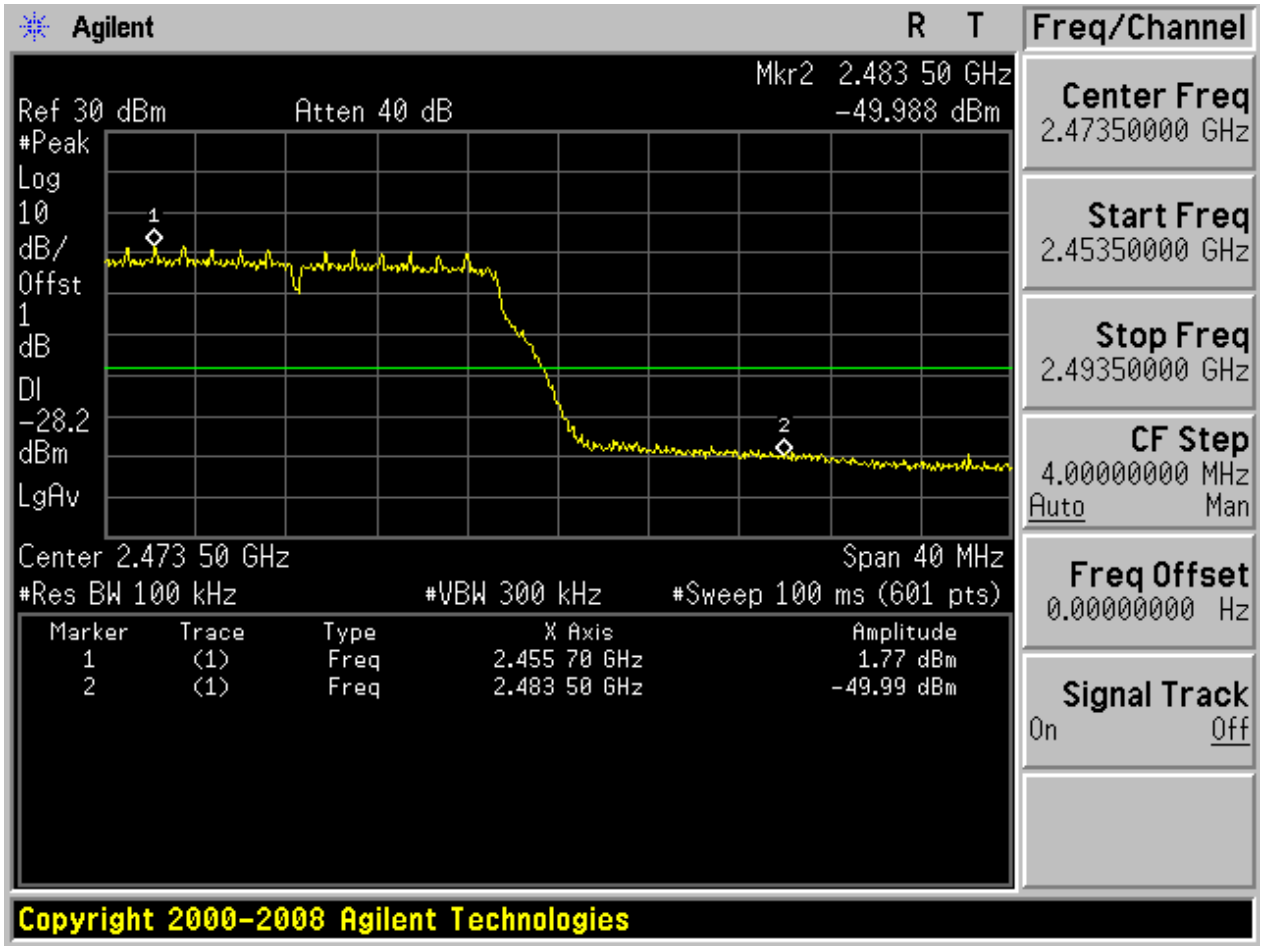

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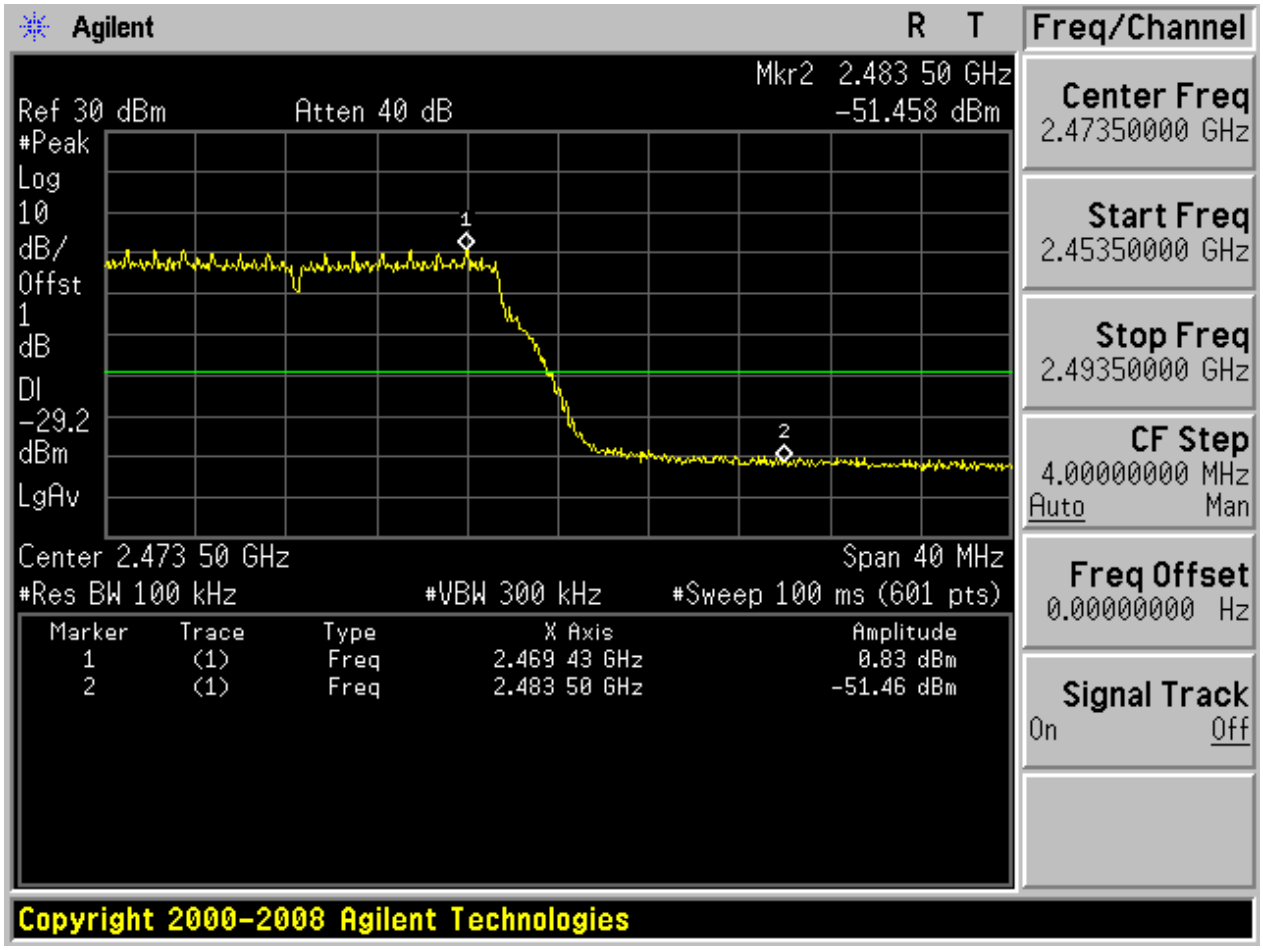

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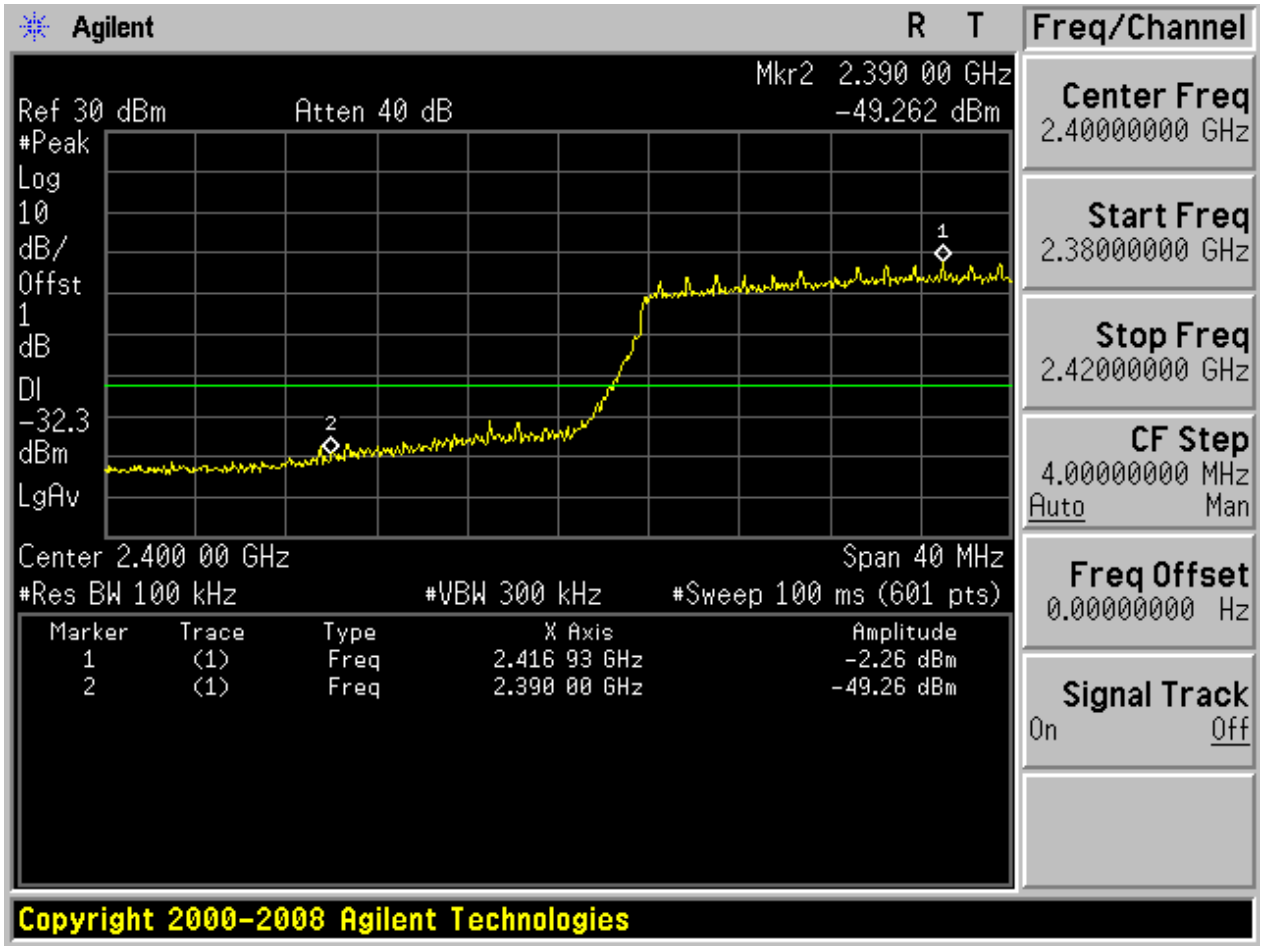

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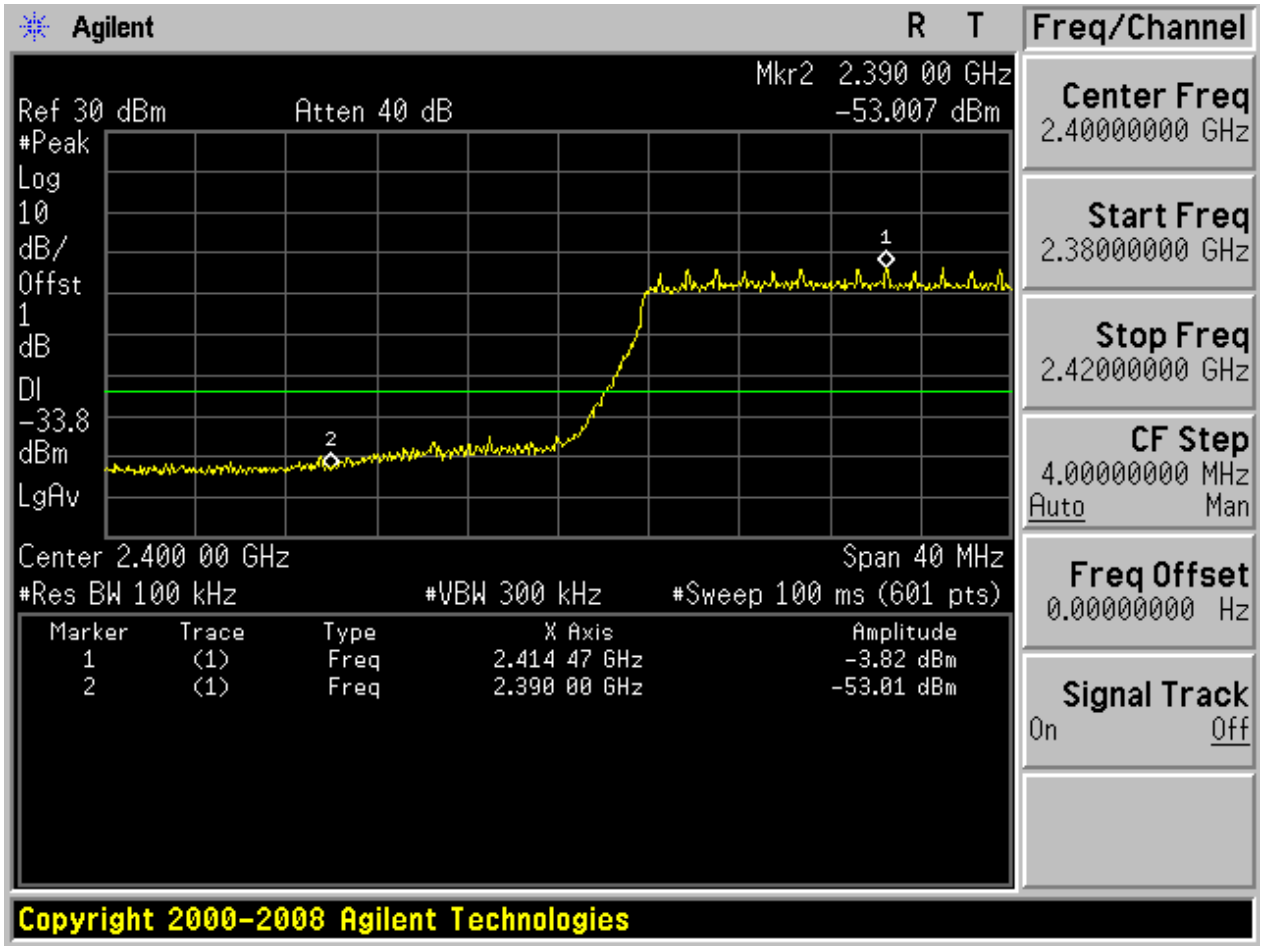

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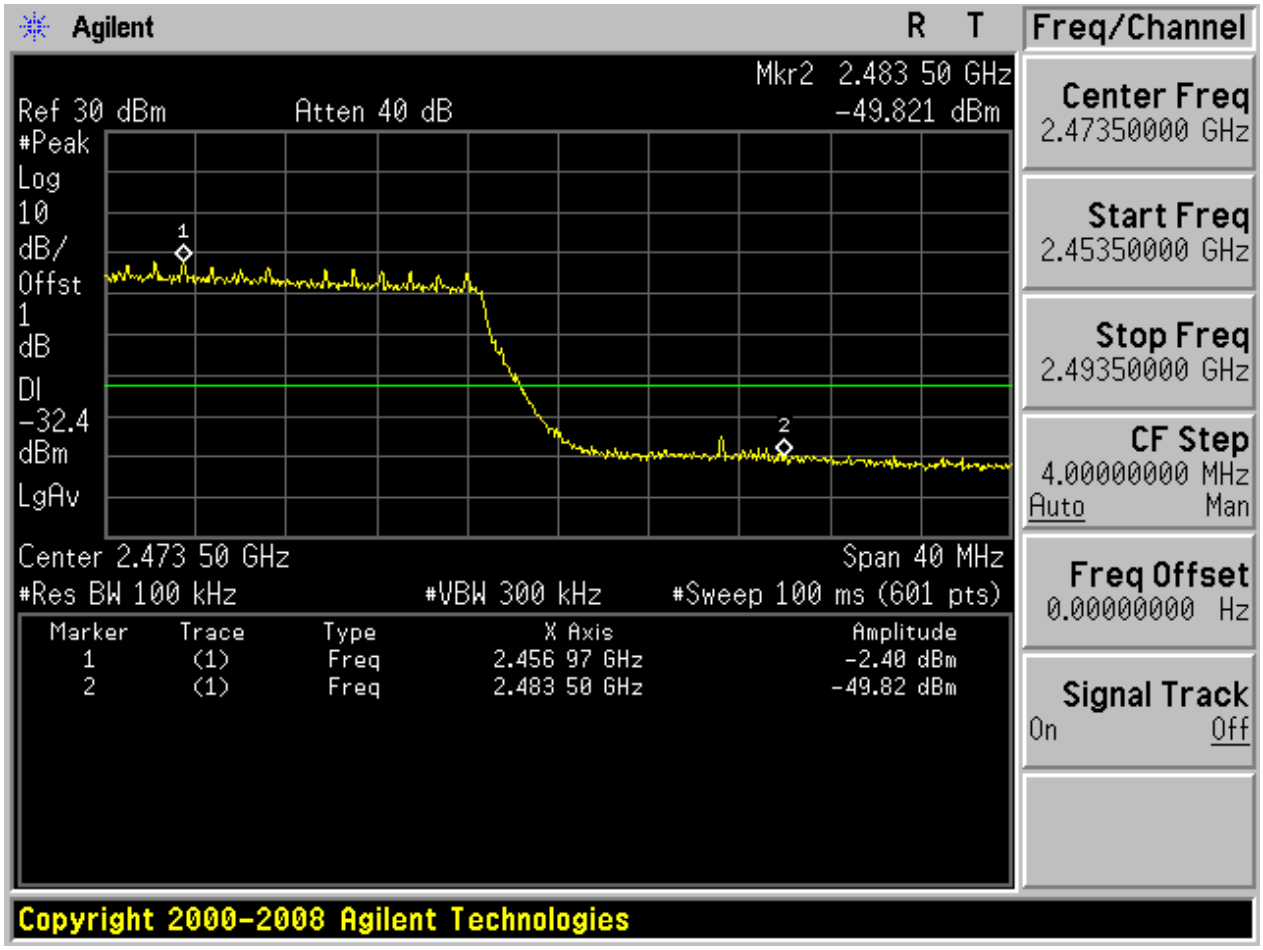

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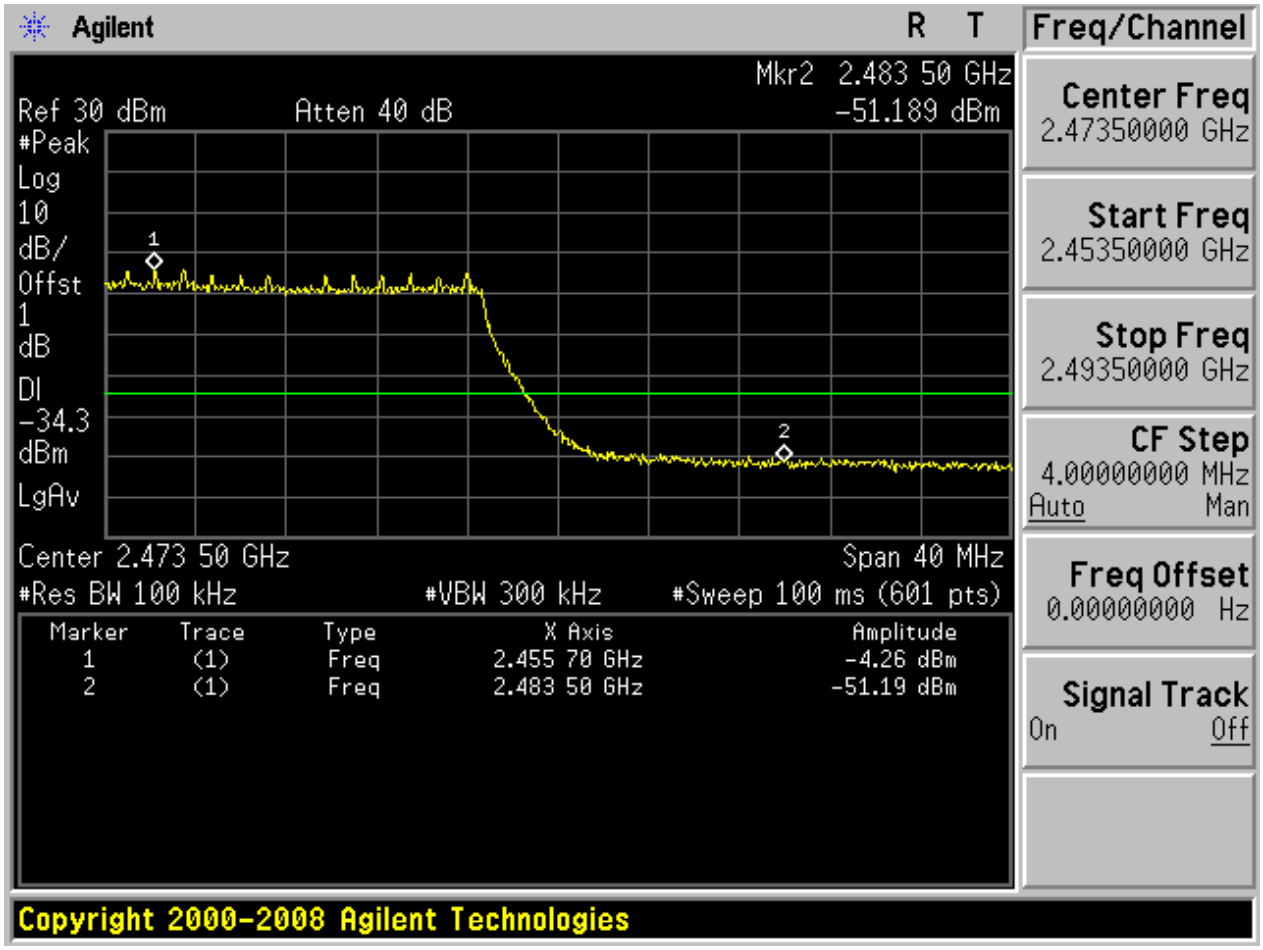

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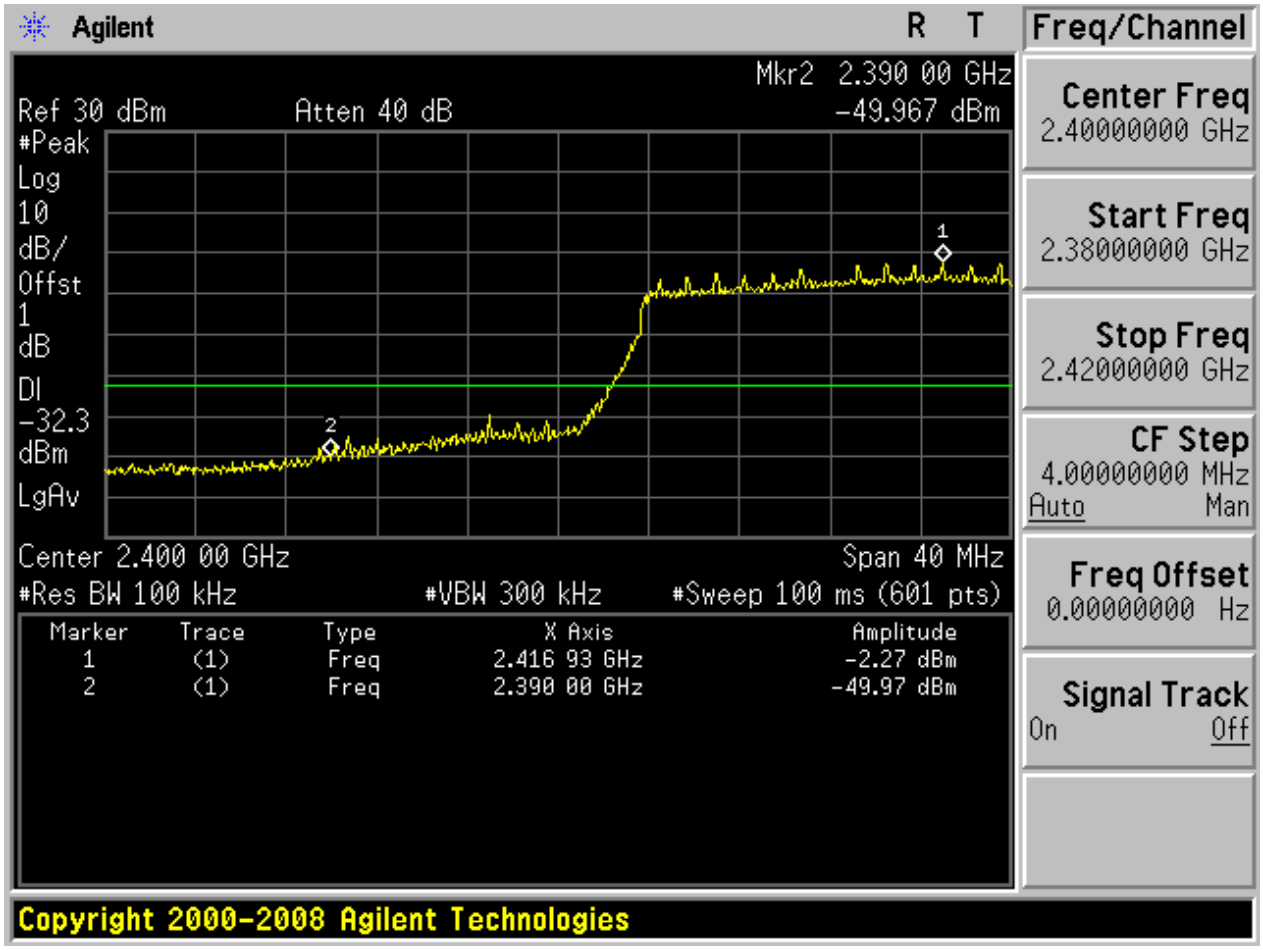

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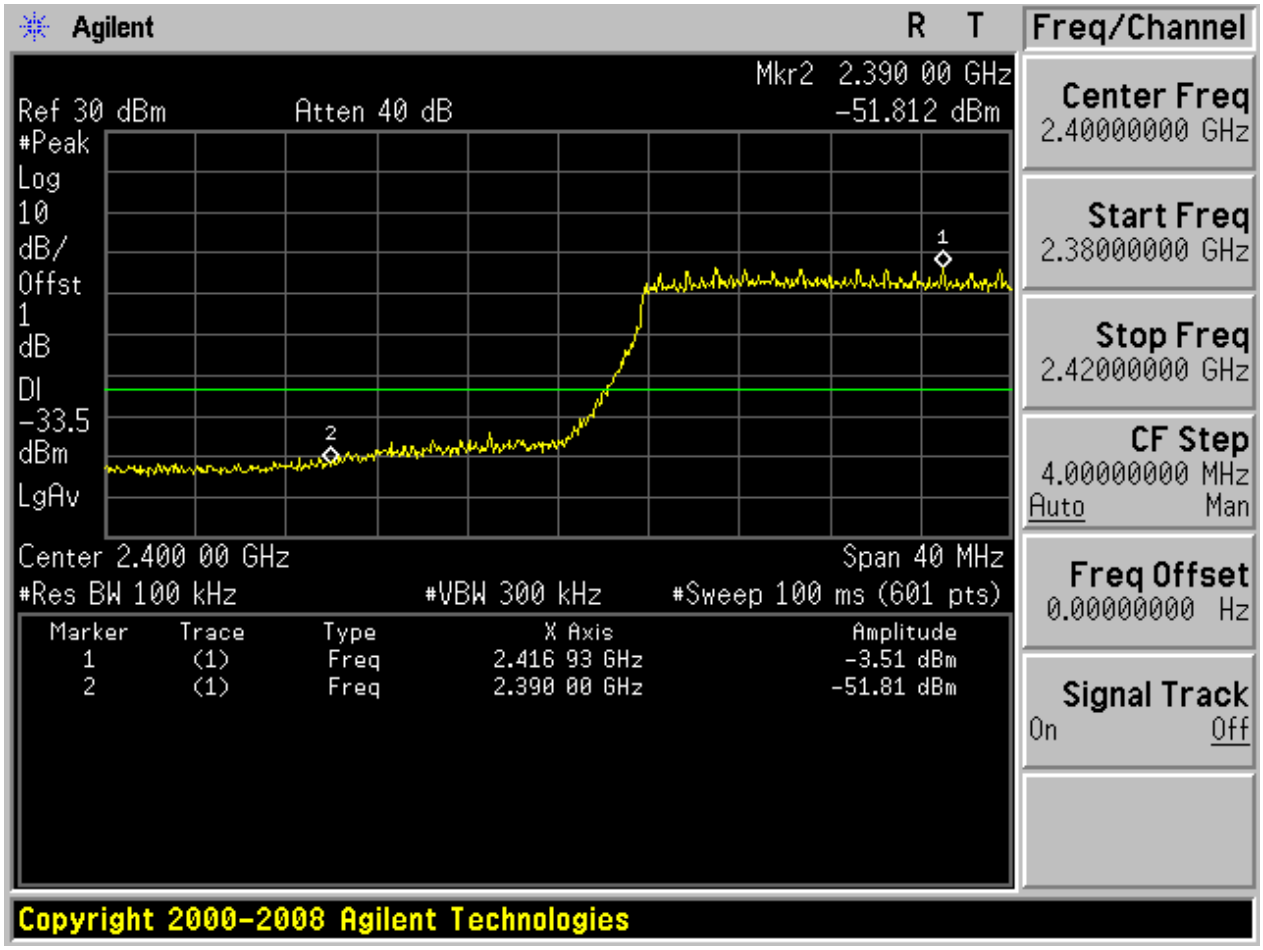

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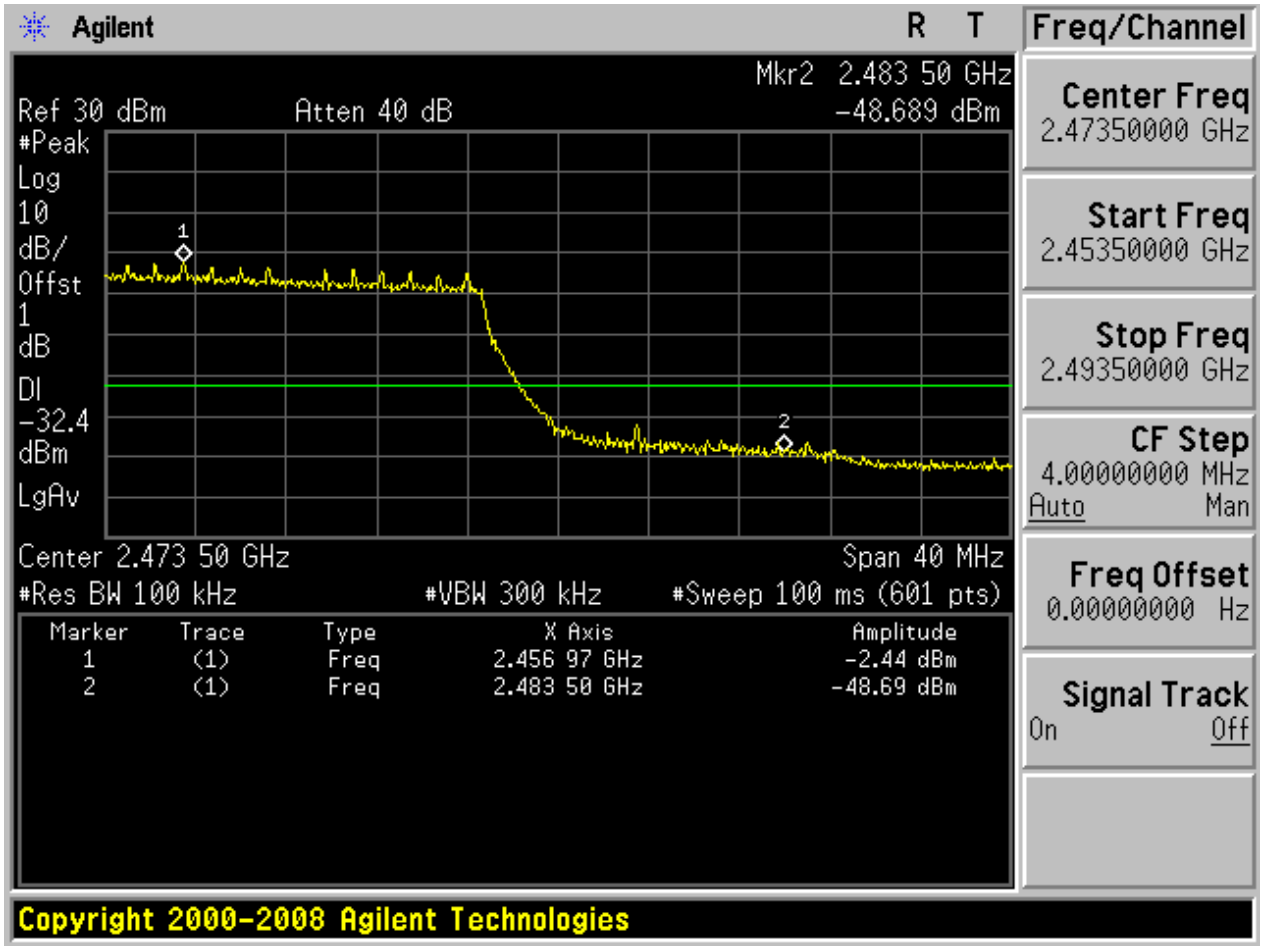

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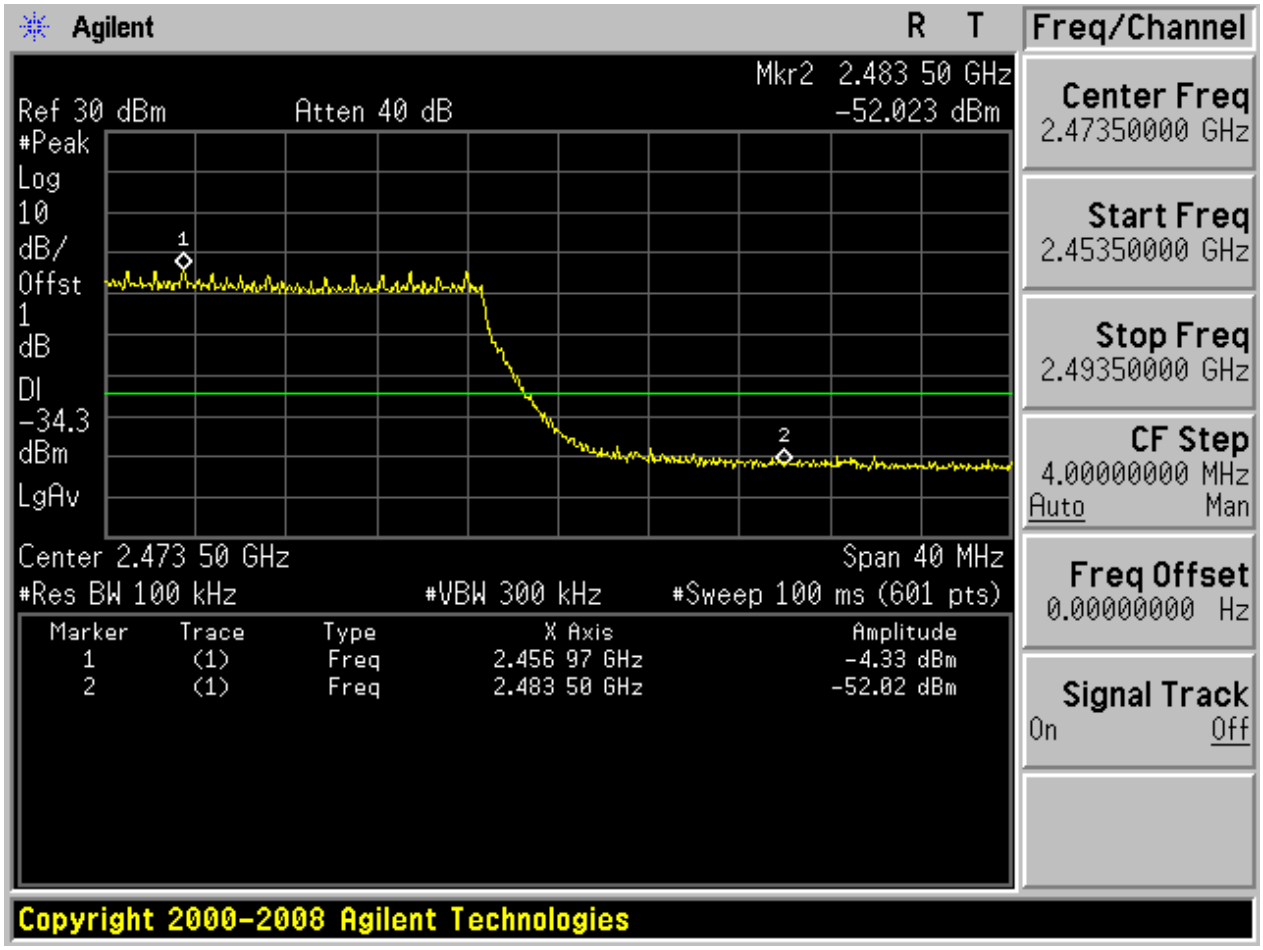

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Appendix G: Unwanted Emissions into Non-Restricted Frequency Bands

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	6.53	<limit	pass
11B	L	2412	Ant 2	6.57	<limit	pass
11B	M	2437	Ant 1	7.20	<limit	pass
11B	M	2437	Ant 2	6.36	<limit	pass
11B	H	2462	Ant 1	7.31	<limit	pass
11B	H	2462	Ant 2	6.29	<limit	pass
11G	L	2412	Ant 1	2.06	<limit	pass
11G	L	2412	Ant 2	1.13	<limit	pass
11G	M	2437	Ant 1	2.37	<limit	pass
11G	M	2437	Ant 2	1.40	<limit	pass
11G	H	2462	Ant 1	2.88	<limit	pass
11G	H	2462	Ant 2	1.80	<limit	pass
11N20	L	2412	Ant 1	.87	<limit	pass
11N20	L	2412	Ant 2	.71	<limit	pass
11N20	M	2437	Ant 1	1.33	<limit	pass
11N20	M	2437	Ant 2	.65	<limit	pass
11N20	H	2462	Ant 1	1.82	<limit	pass

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Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11N20	H	2462	Ant 2	.76	<limit	pass
11N20m	L	2412	Ant 1	1.09	<limit	pass
11N20m	L	2412	Ant 2	.56	<limit	pass
11N20m	M	2437	Ant 1	1.50	<limit	pass
11N20m	M	2437	Ant 2	.97	<limit	pass
11N20m	H	2462	Ant 1	1.94	<limit	pass
11N20m	H	2462	Ant 2	1.15	<limit	pass
11N40	L	2422	Ant 1	-2.13	<limit	pass
11N40	L	2422	Ant 2	-3.03	<limit	pass
11N40	M	2437	Ant 1	-2.08	<limit	pass
11N40	M	2437	Ant 2	-2.40	<limit	pass
11N40	H	2452	Ant 1	-1.48	<limit	pass
11N40	H	2452	Ant 2	-2.23	<limit	pass
11N40m	L	2422	Ant 1	-2.13	<limit	pass
11N40m	L	2422	Ant 2	-2.96	<limit	pass
11N40m	M	2437	Ant 1	-1.96	<limit	pass
11N40m	M	2437	Ant 2	-2.40	<limit	pass
11N40m	H	2452	Ant 1	-1.51	<limit	pass
11N40m	H	2452	Ant 2	-2.13	<limit	pass

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Part II - Test Plots

2.1 11B_L@Ant 1

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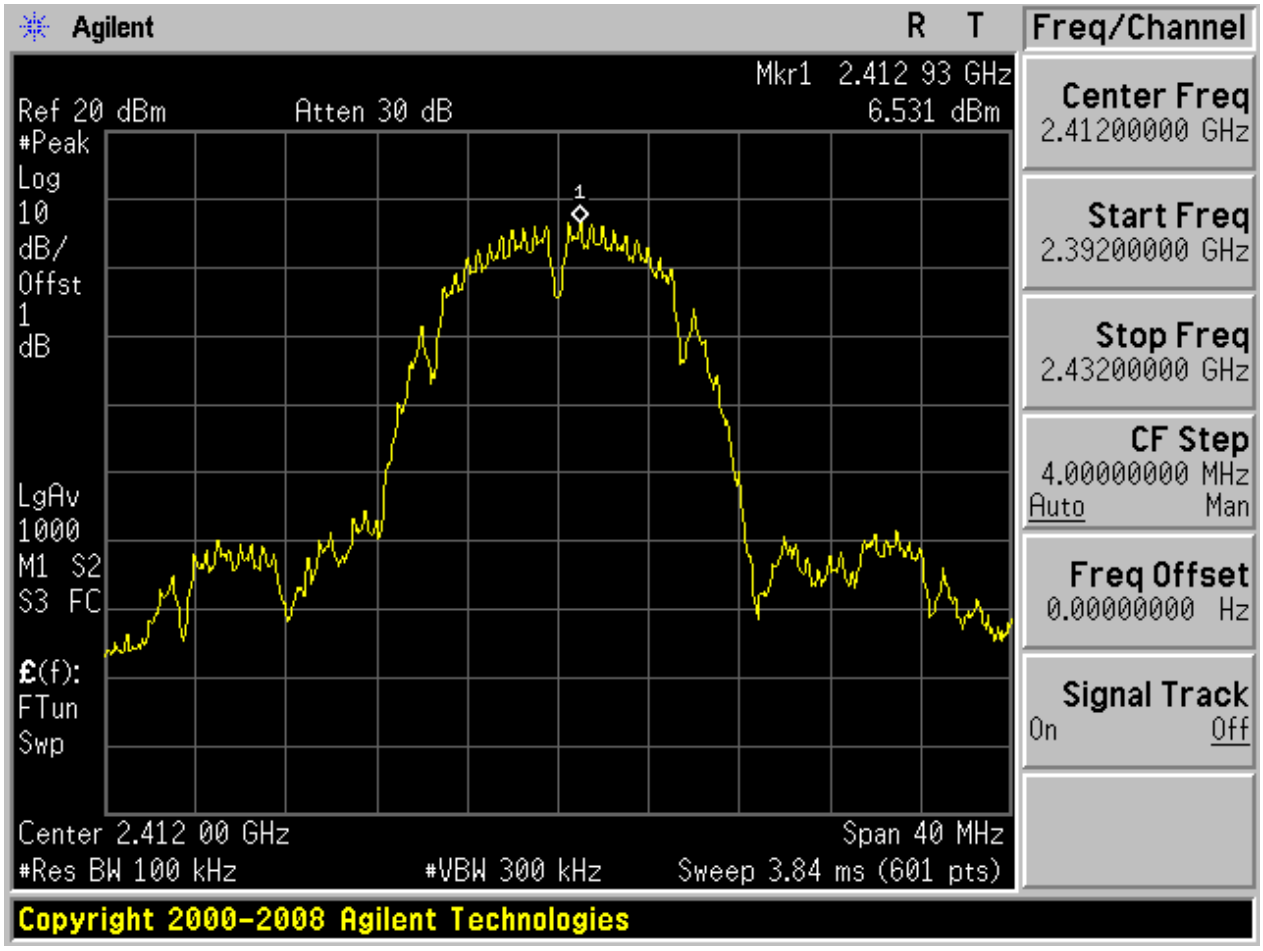

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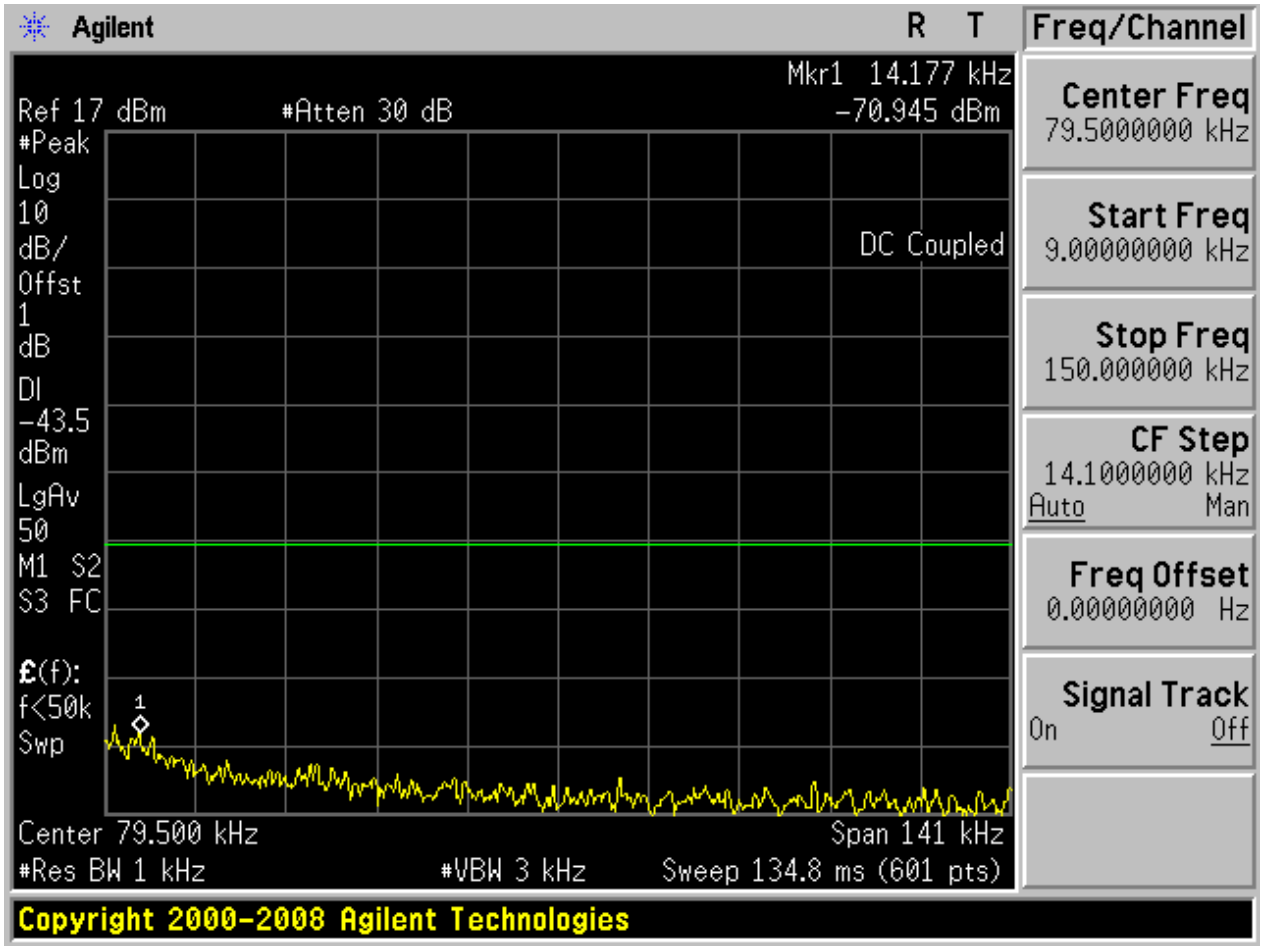

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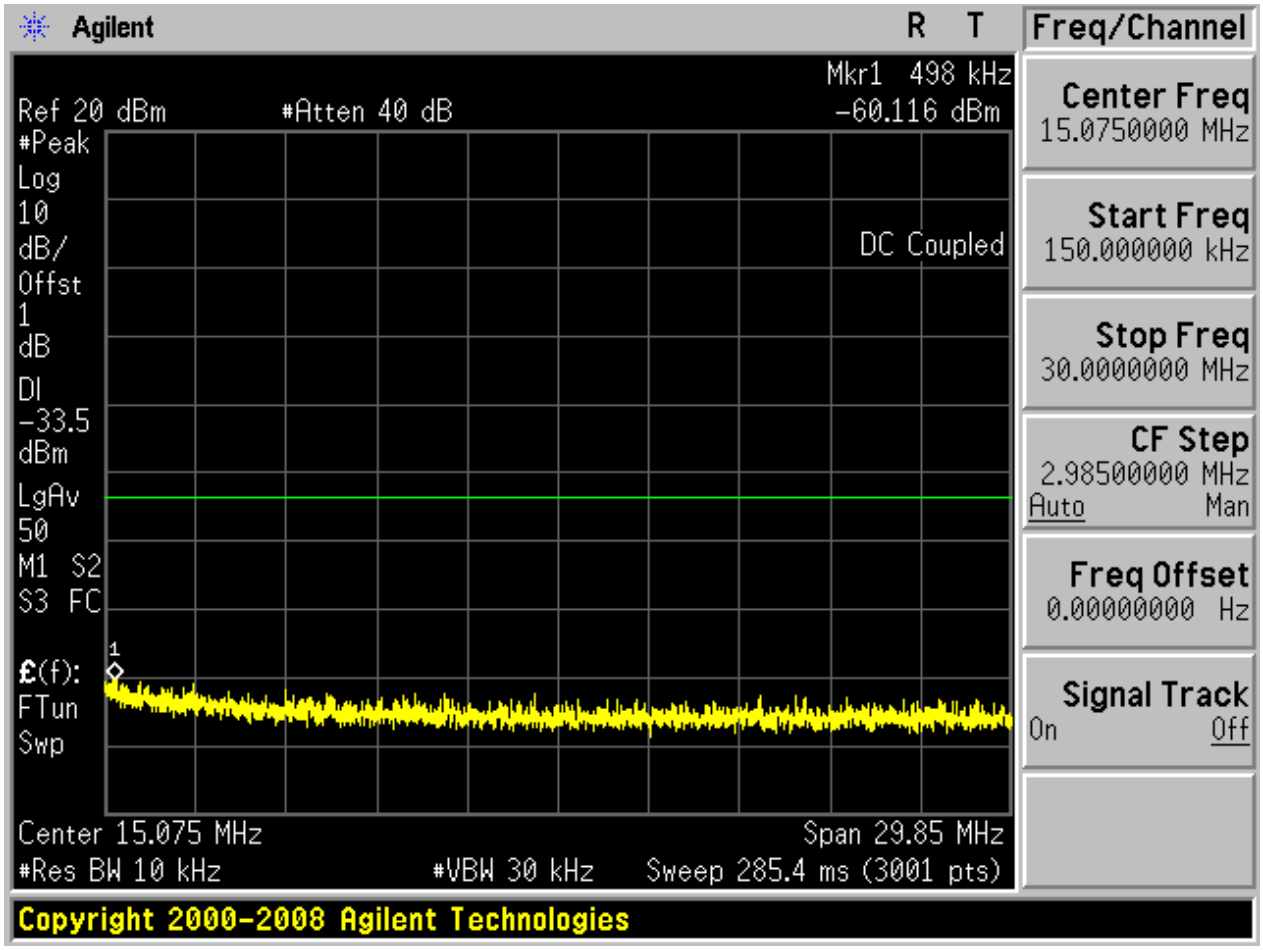

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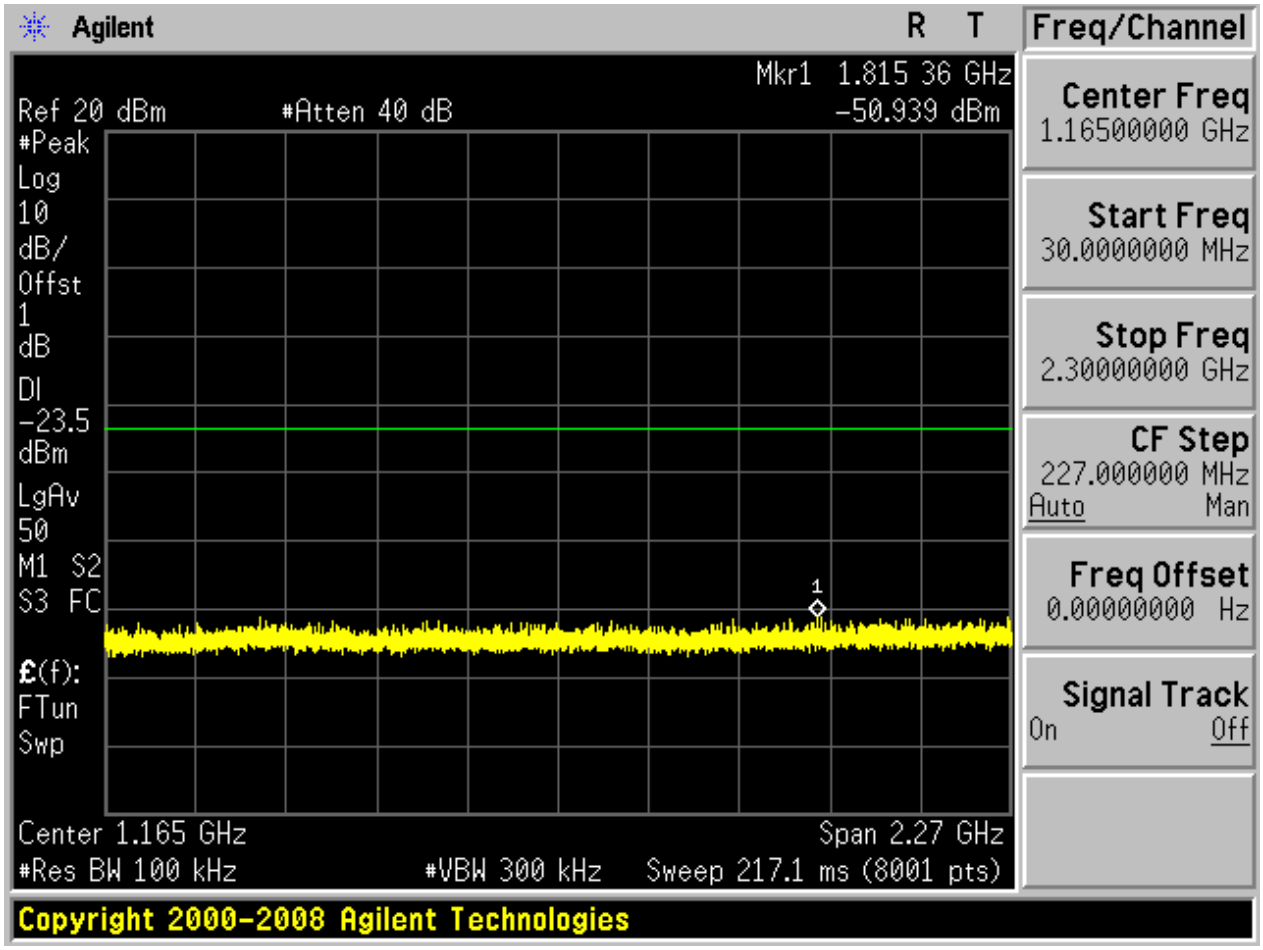

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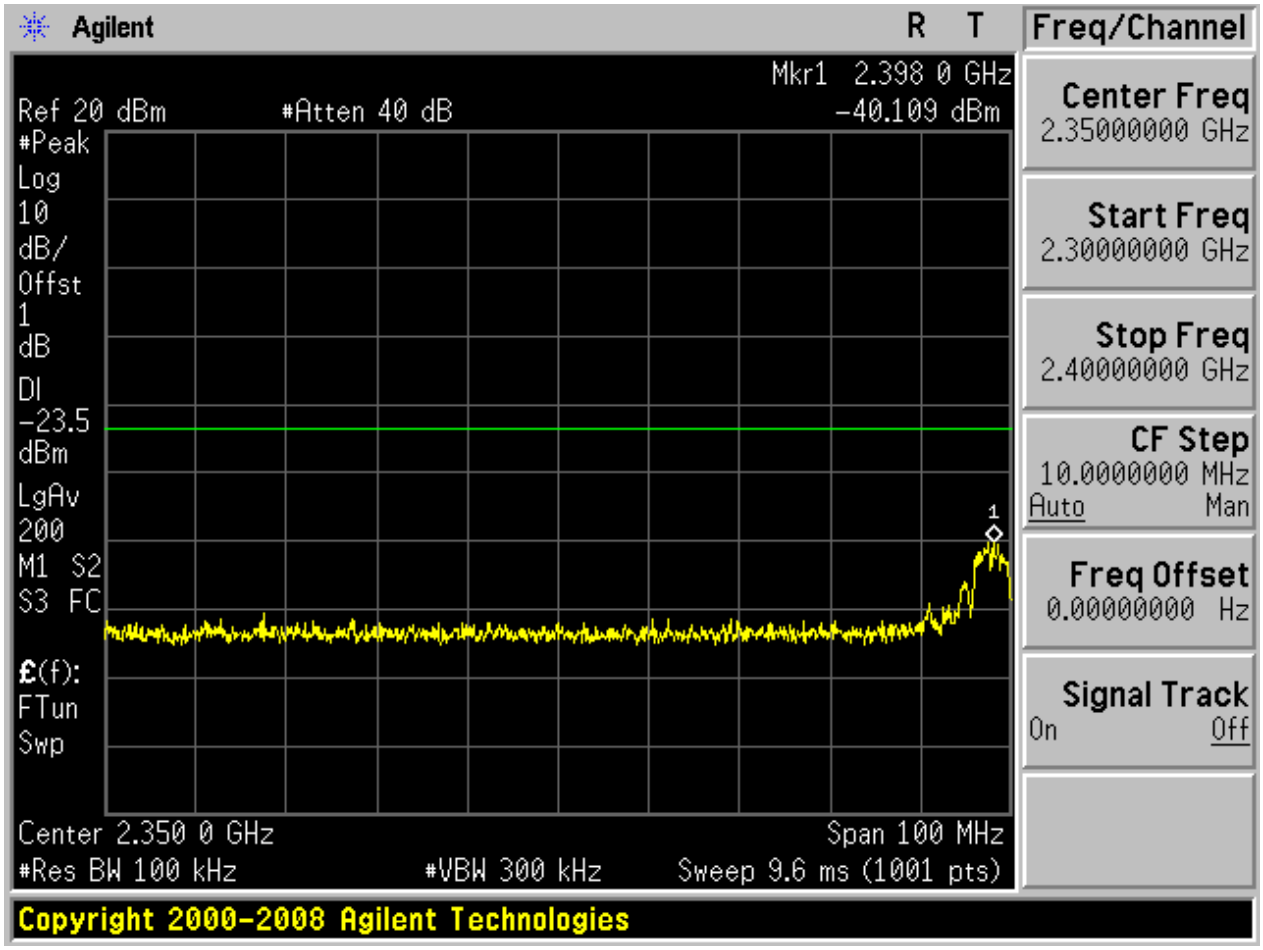

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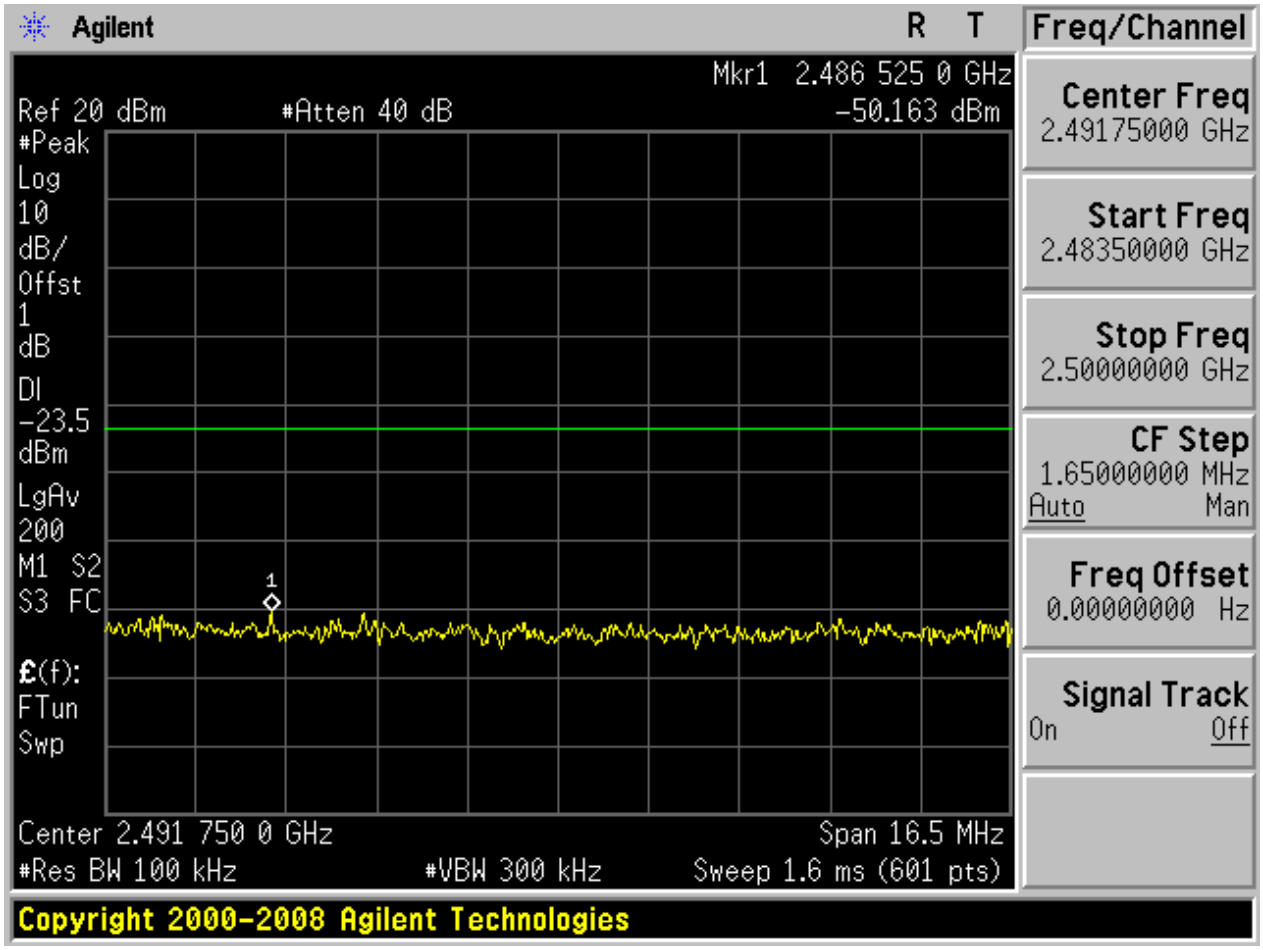

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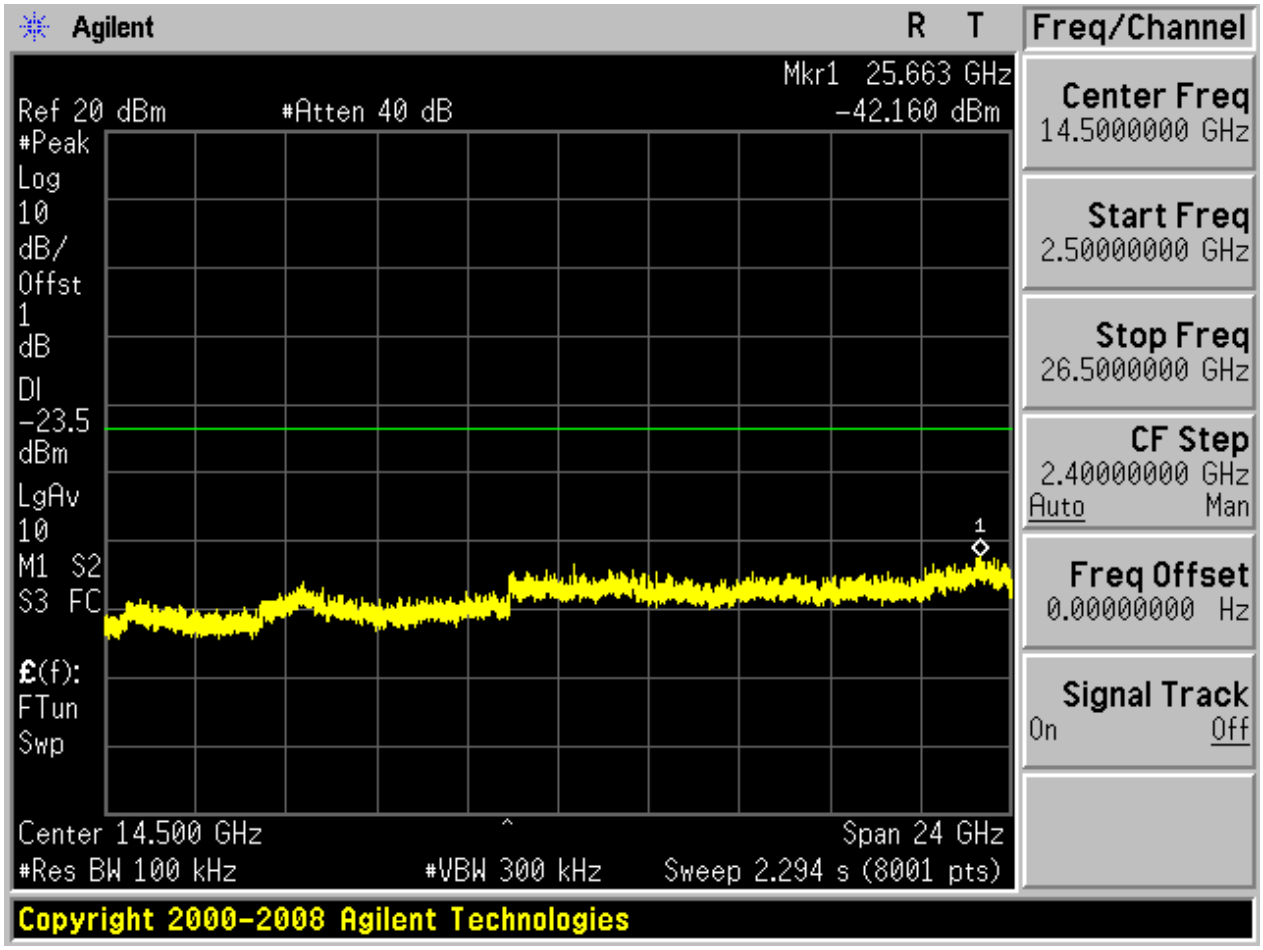

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2.2 11B_L@Ant 2

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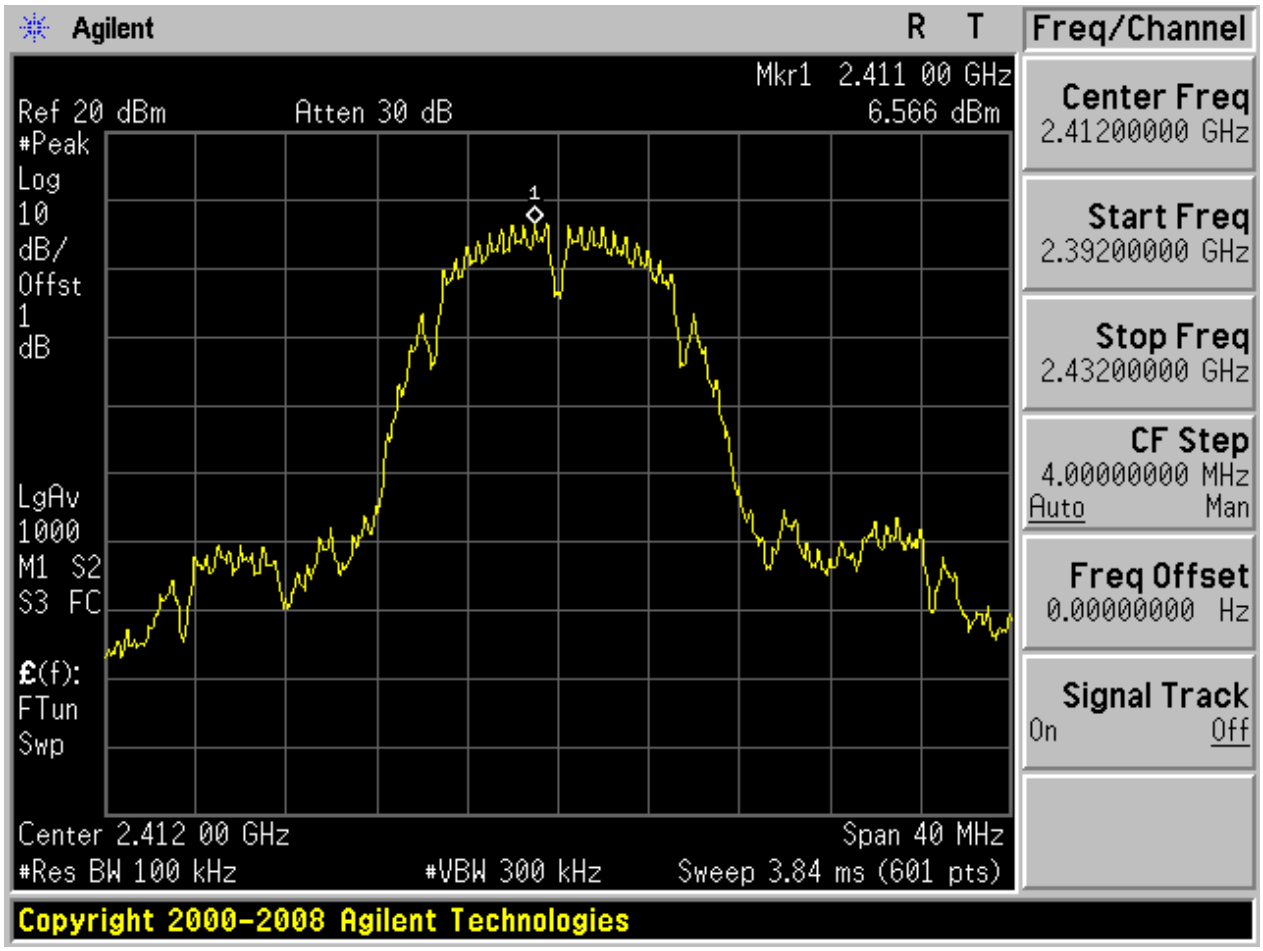

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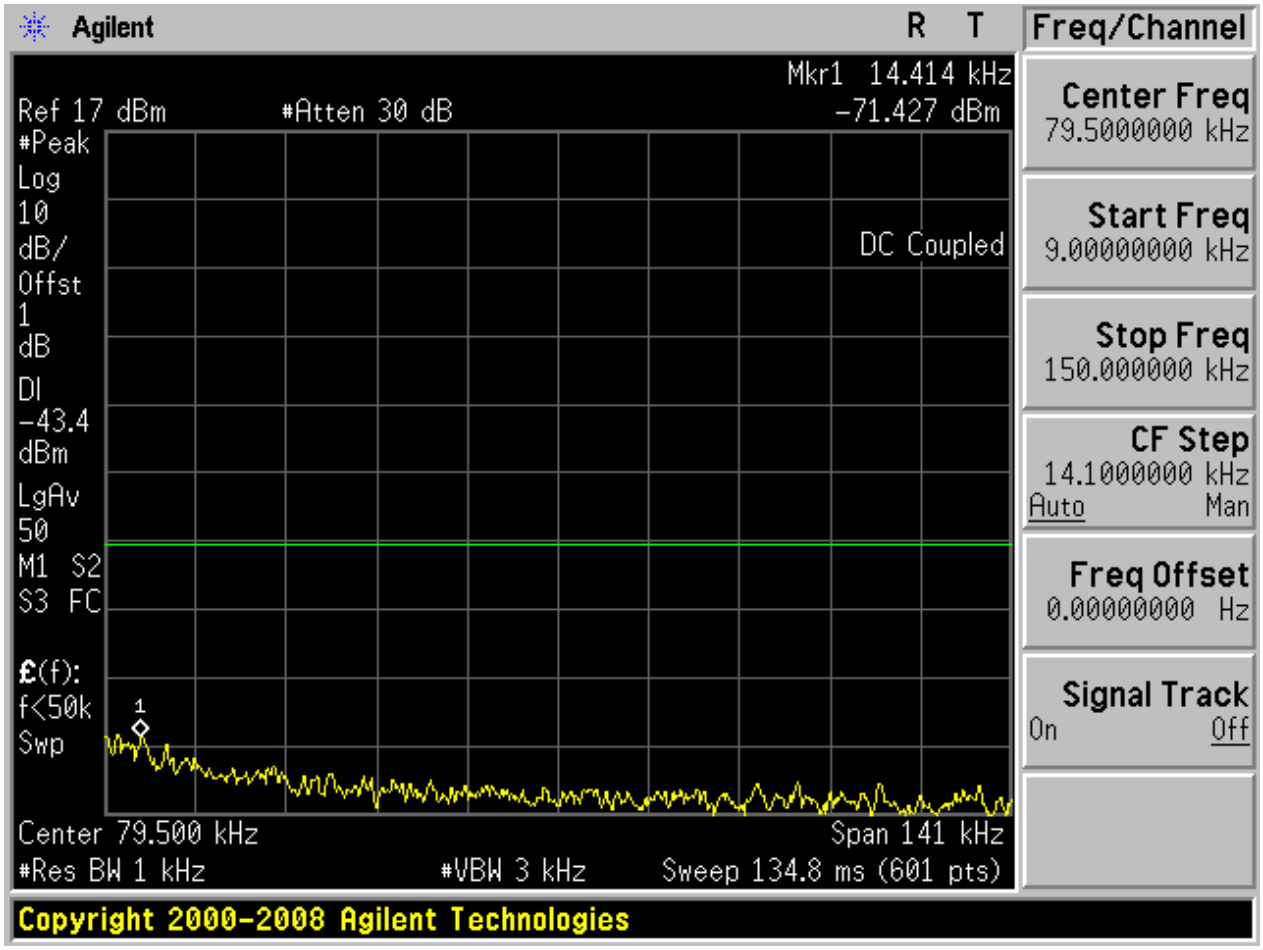

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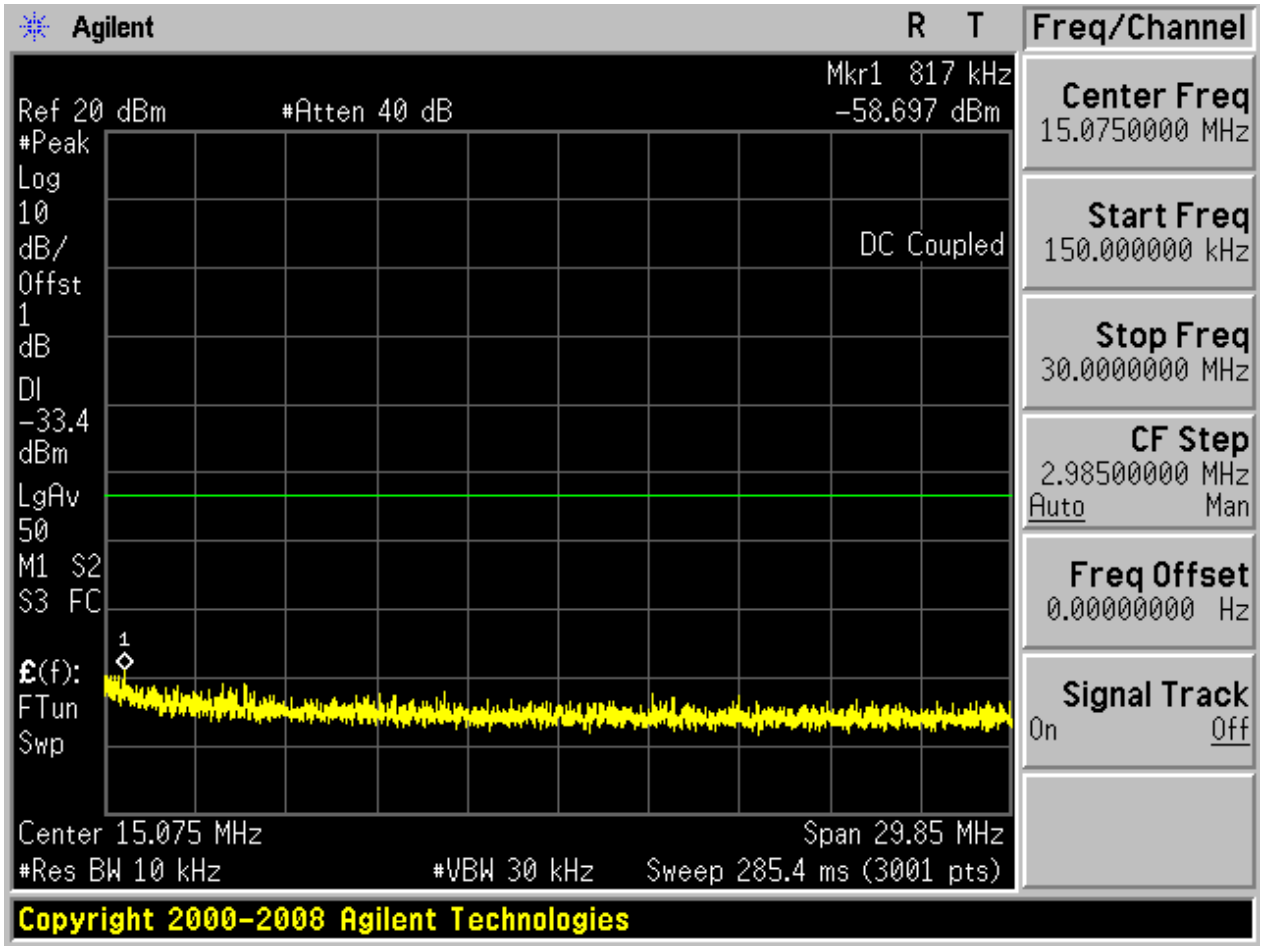

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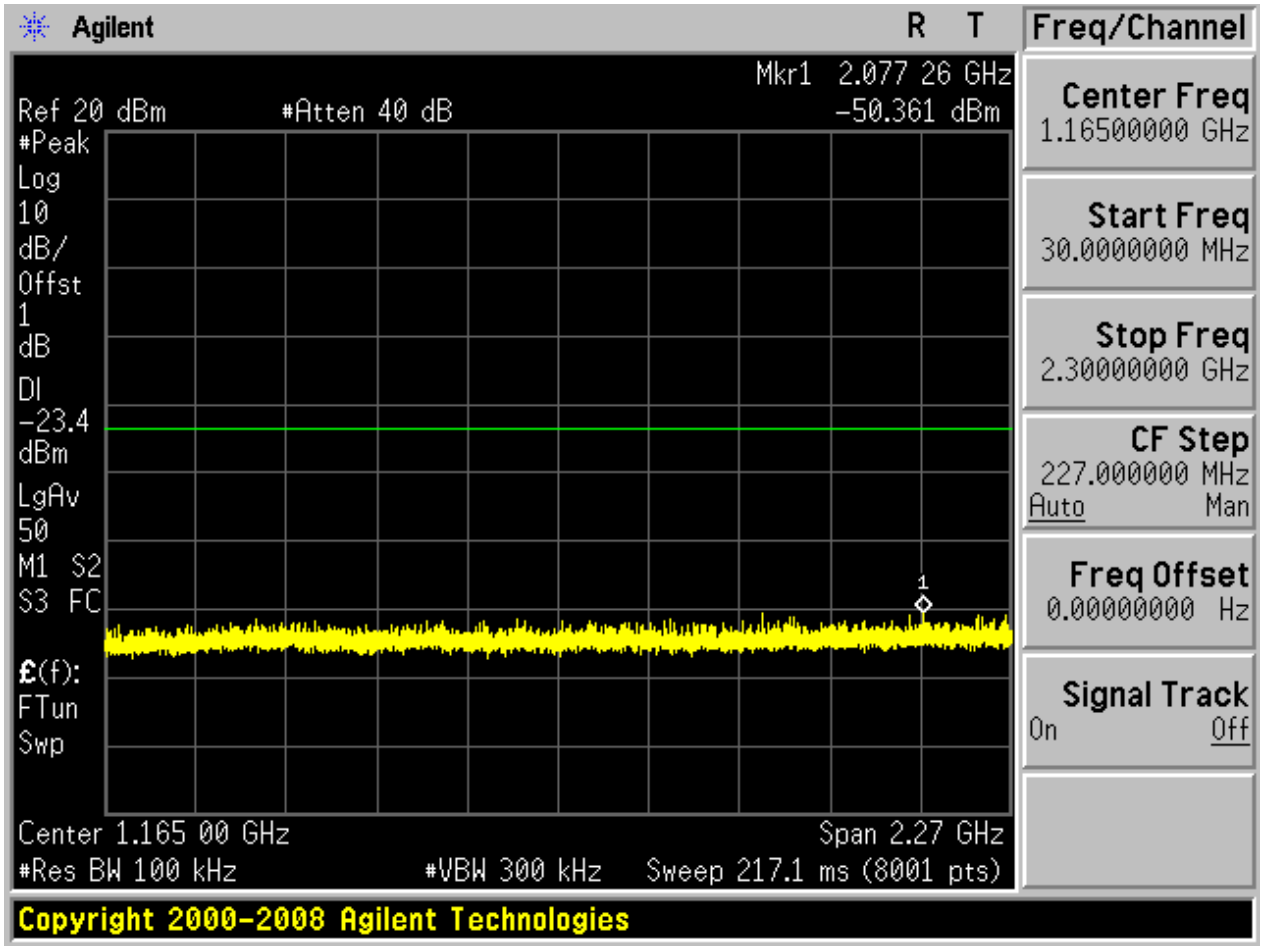

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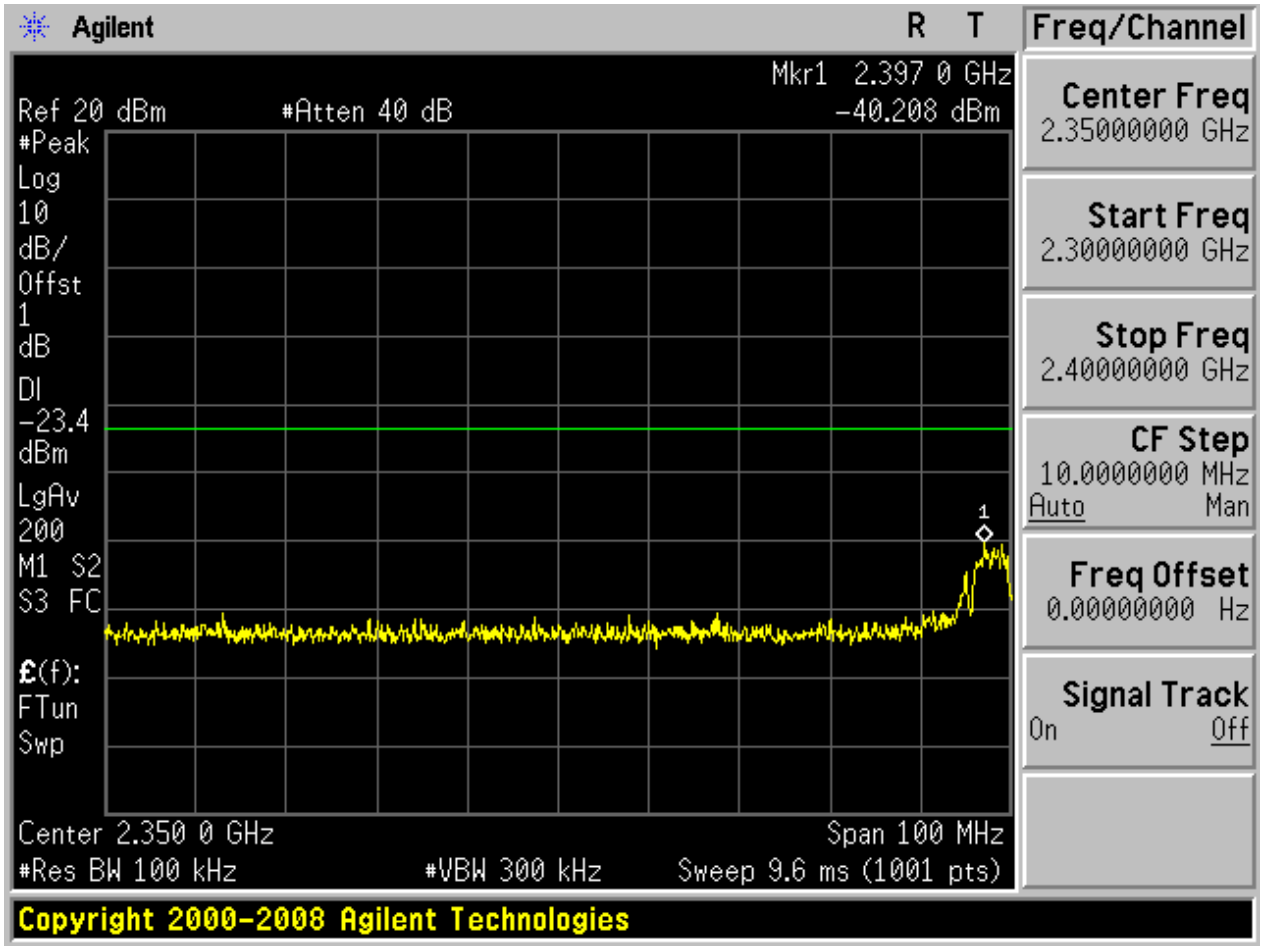

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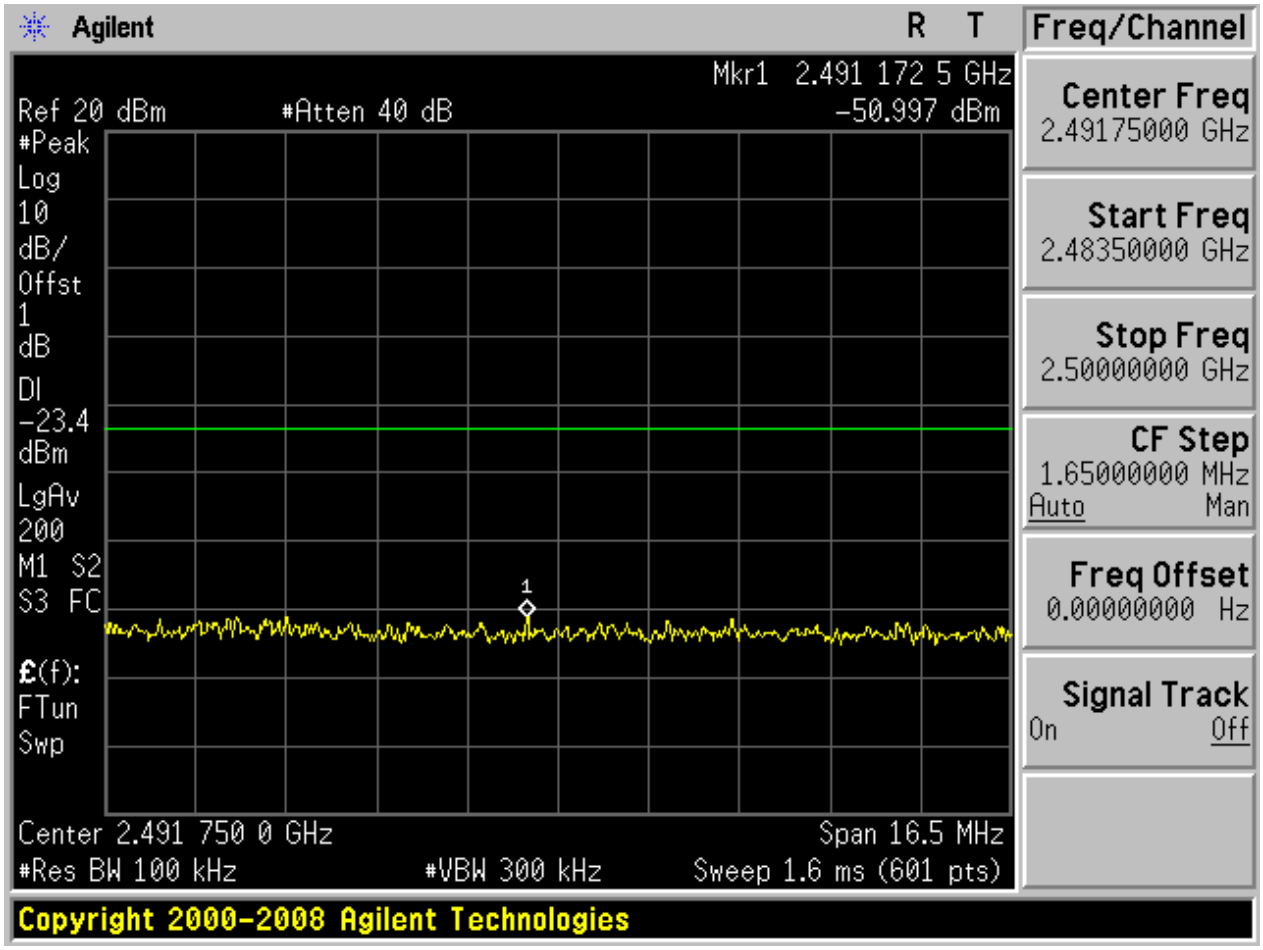

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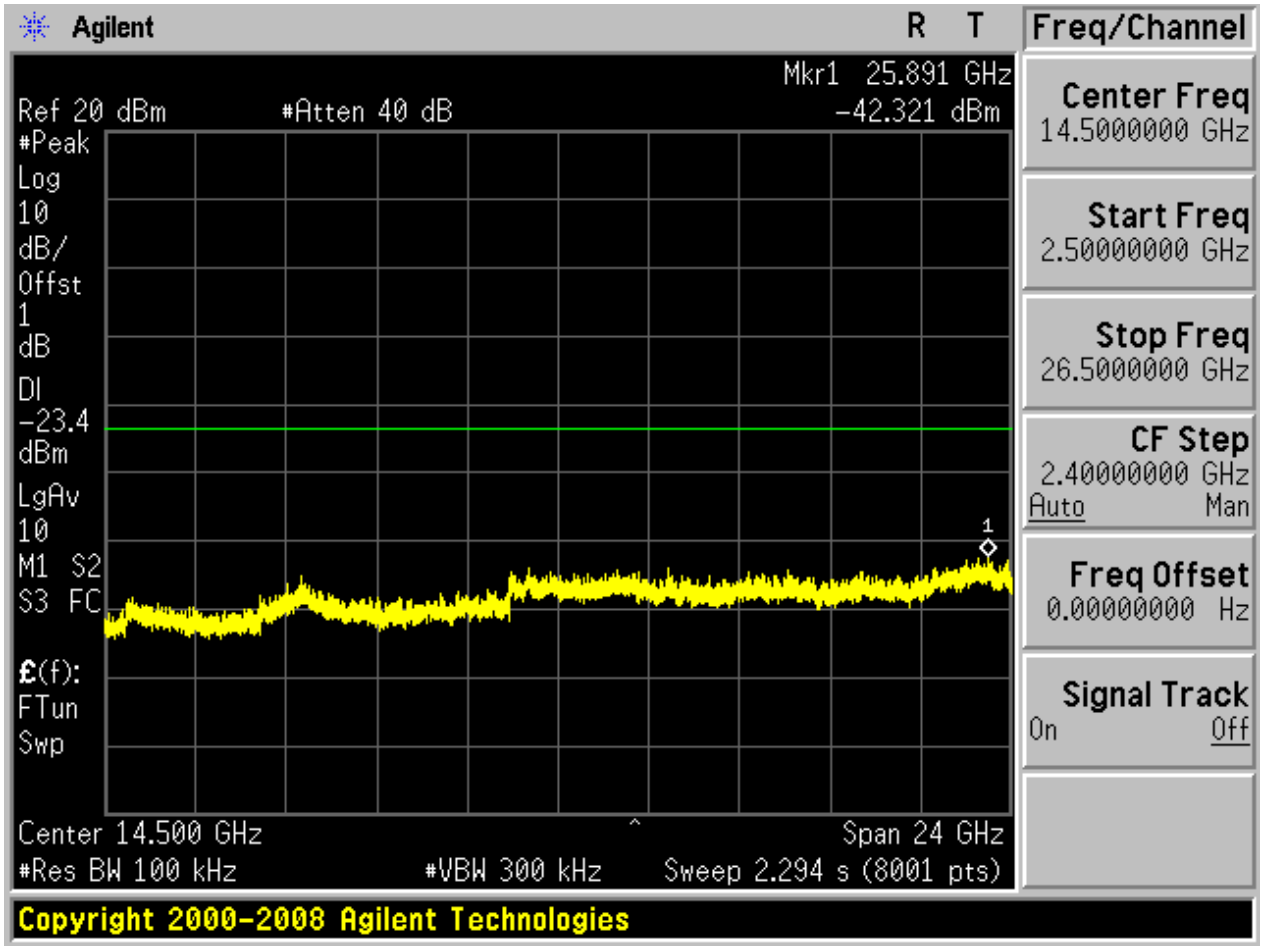

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2.3 11B_M@Ant 1

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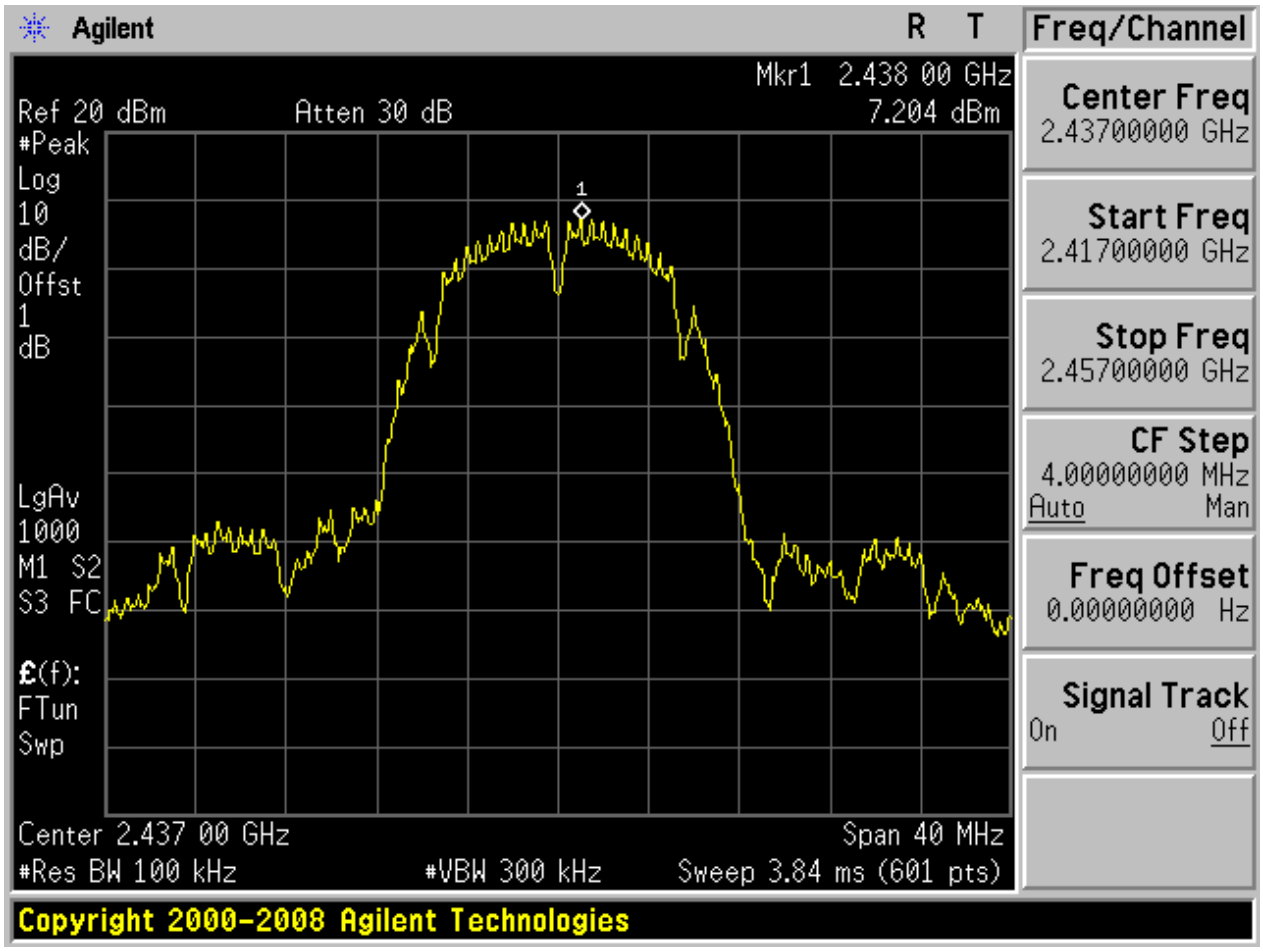

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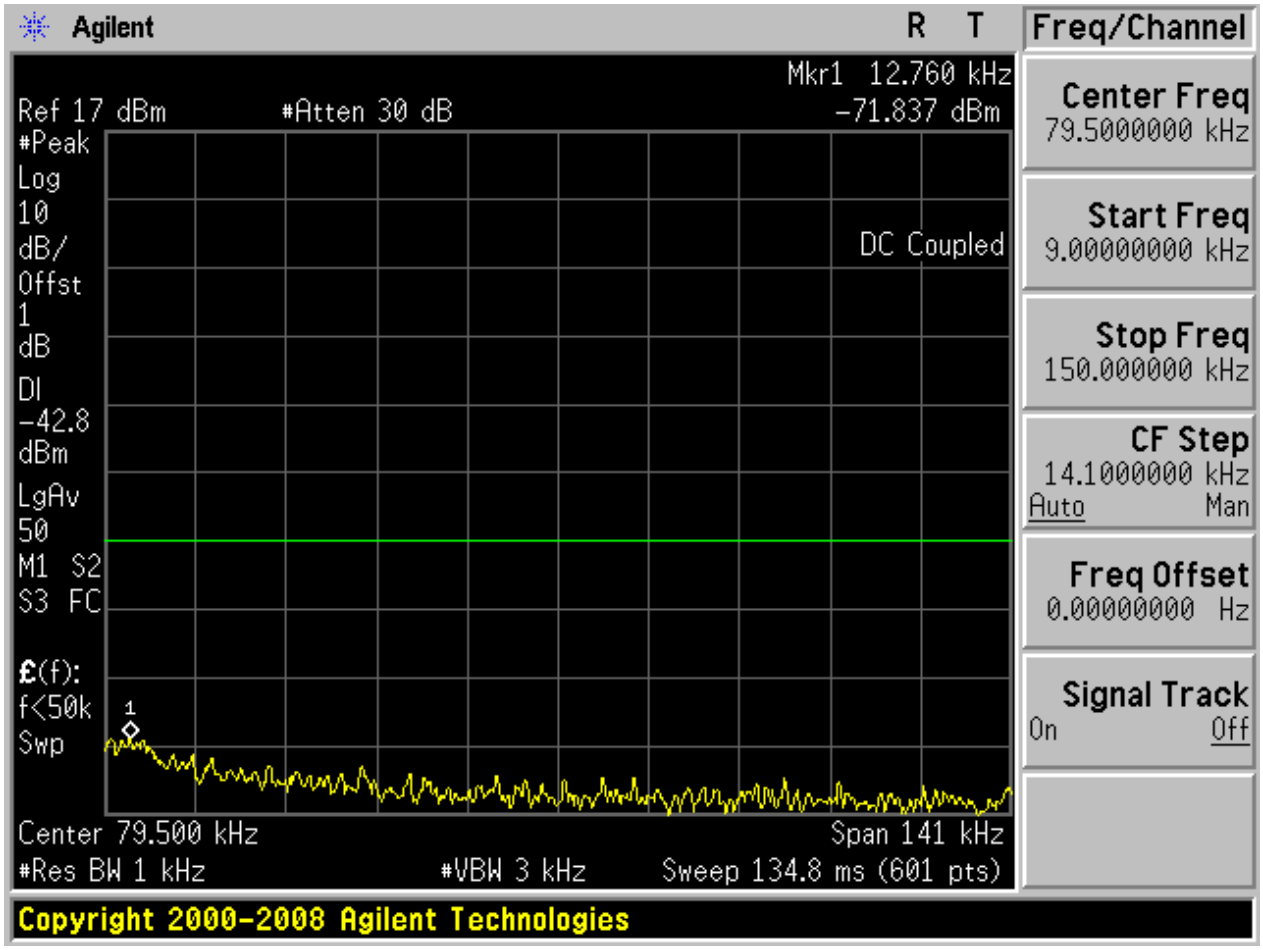

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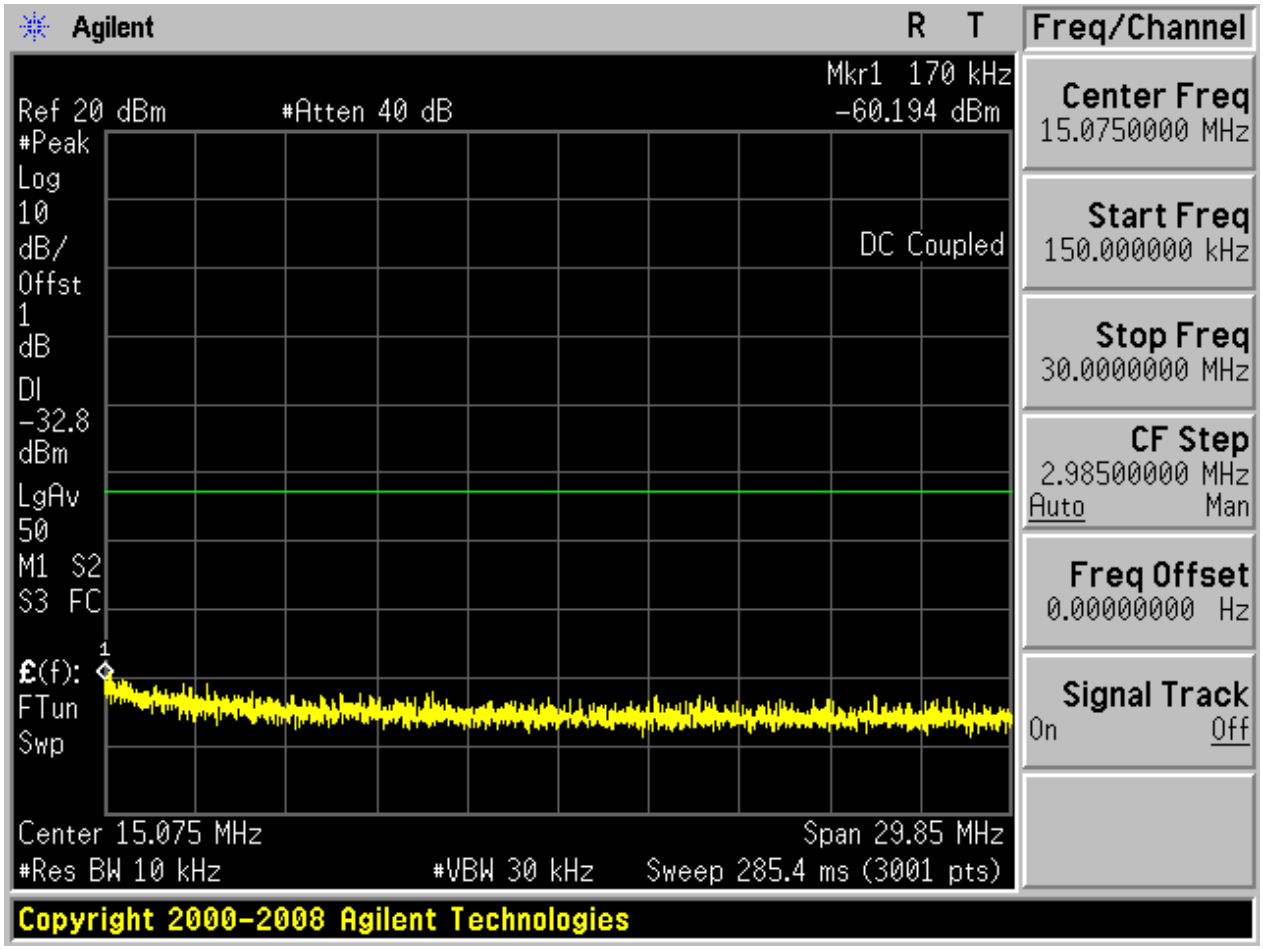

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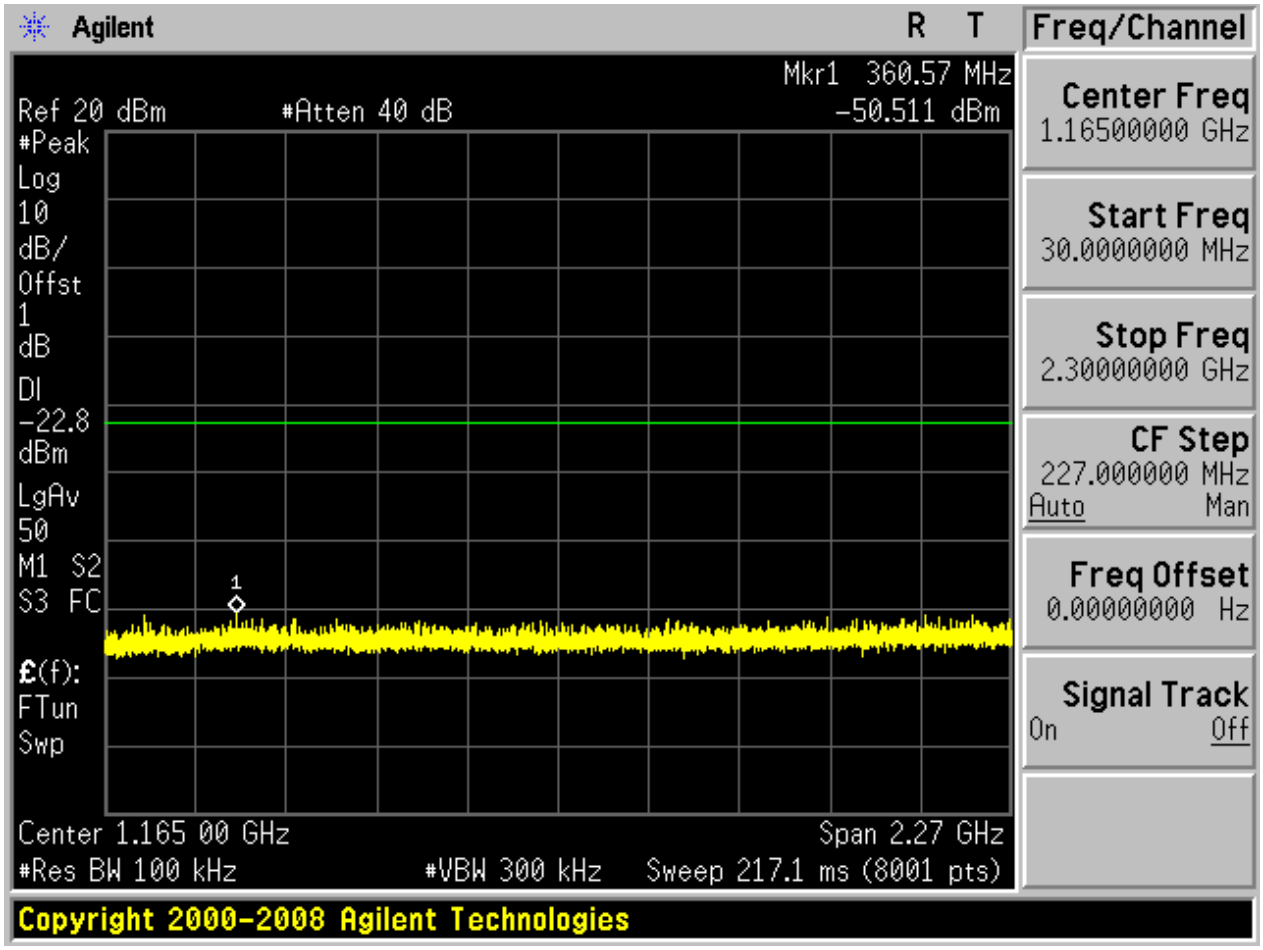

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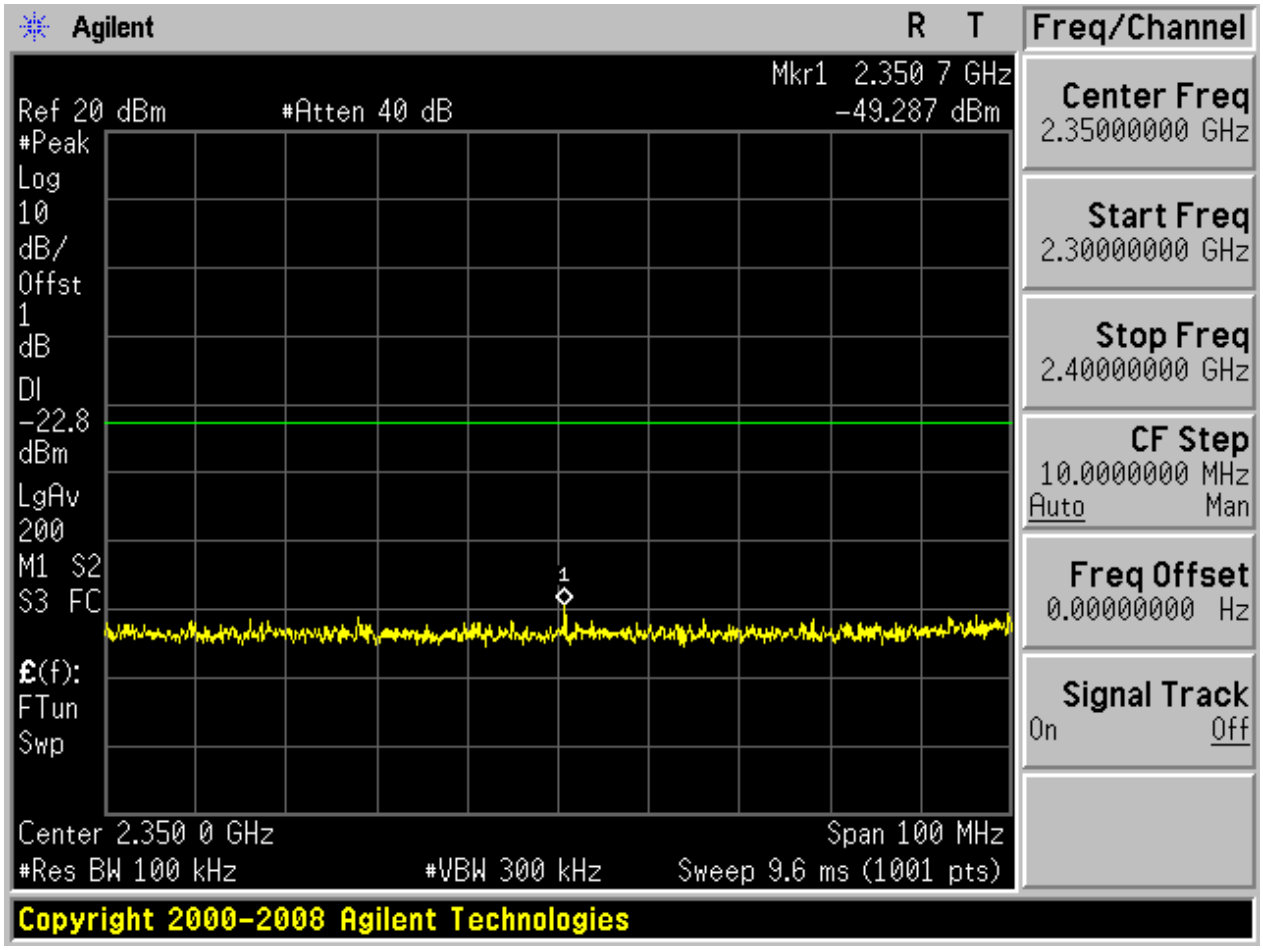

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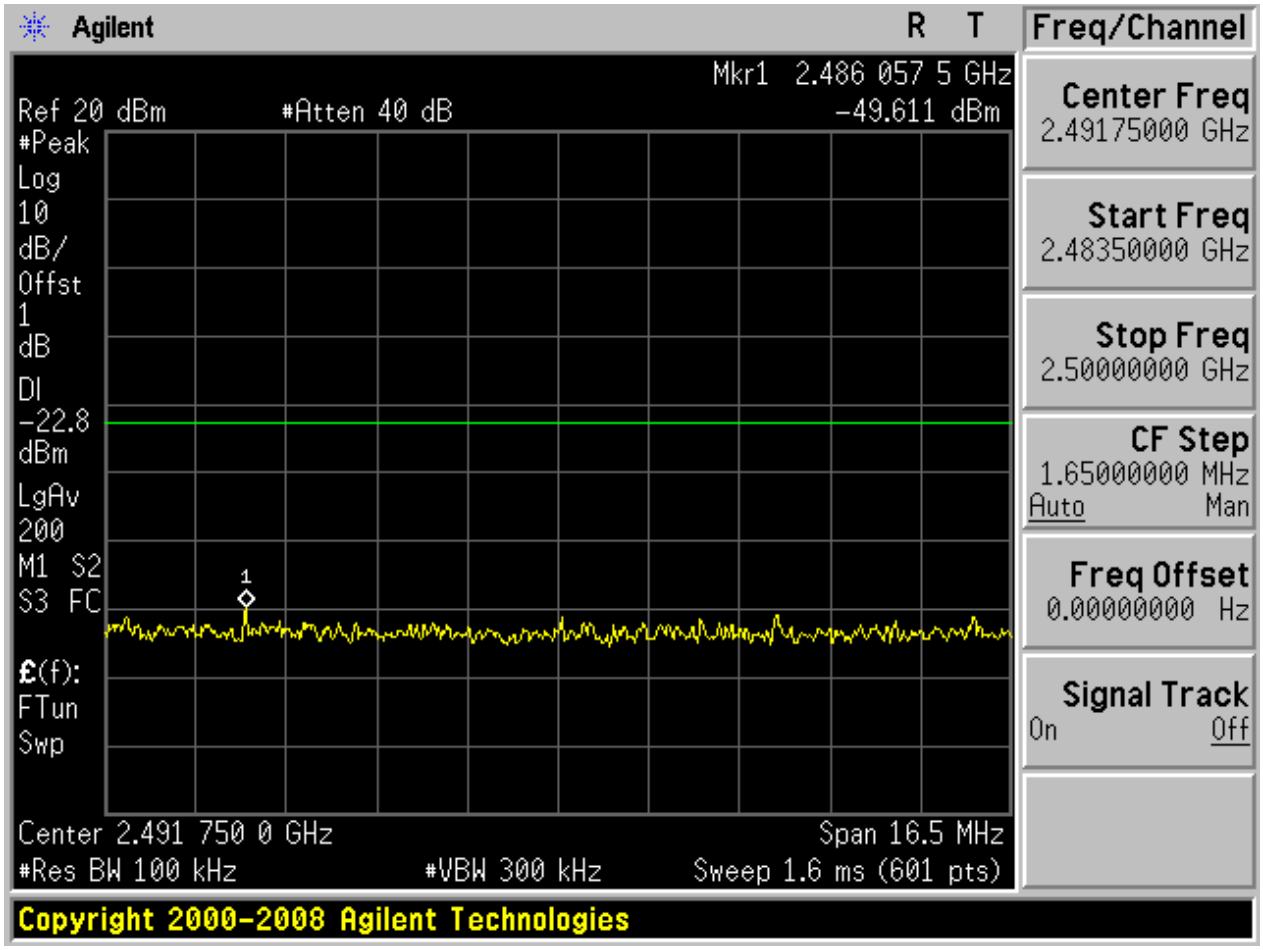

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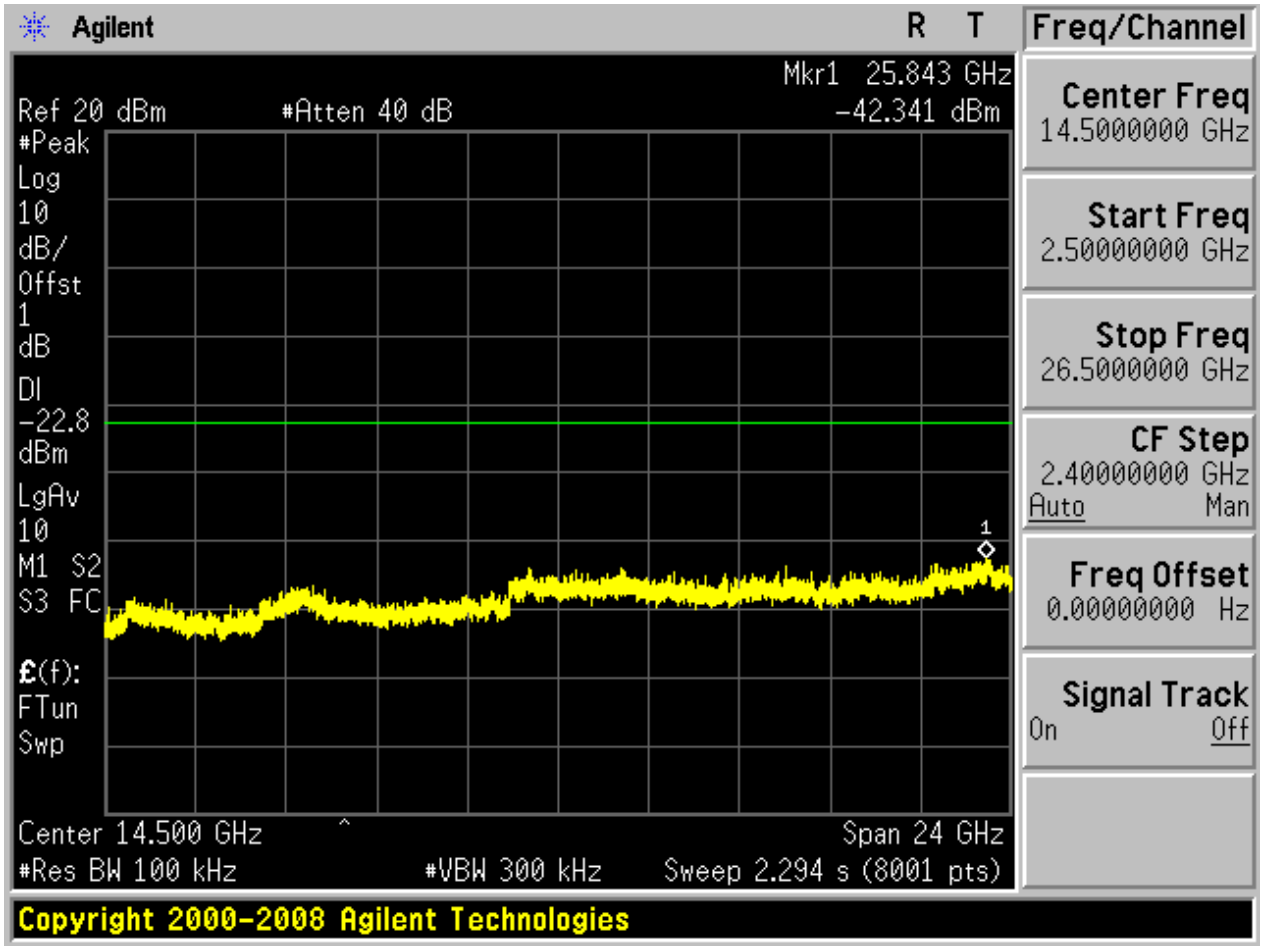

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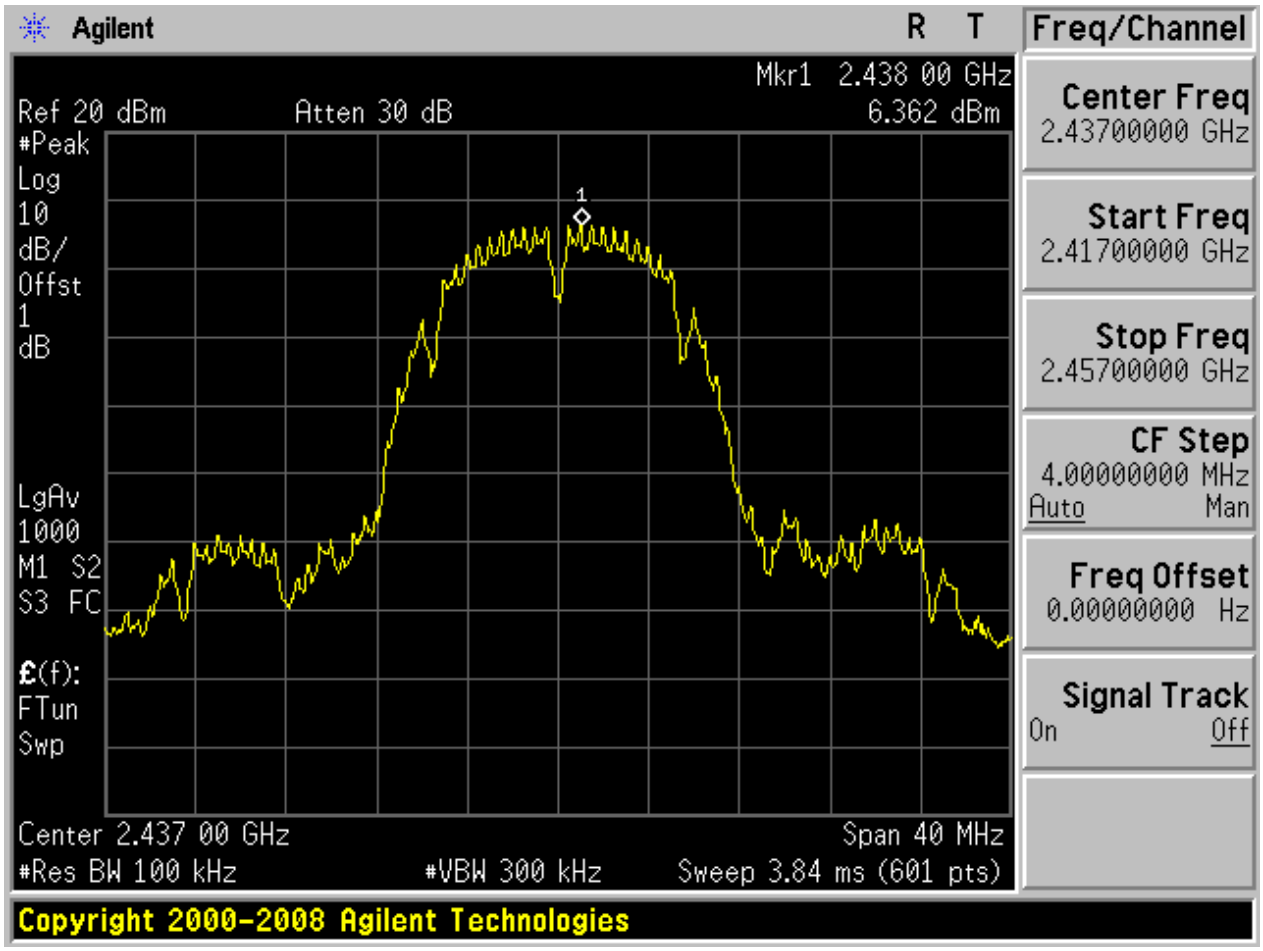

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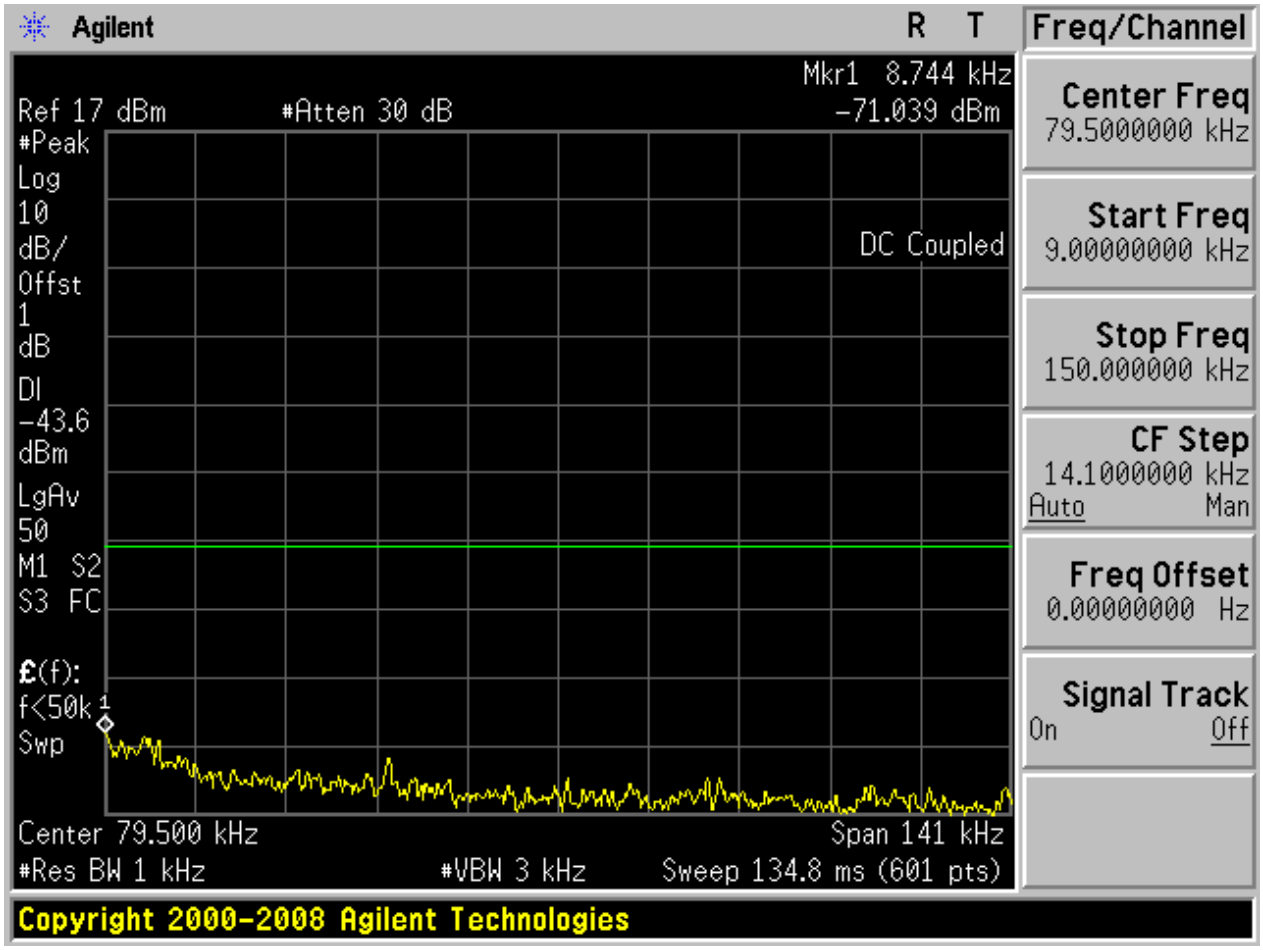

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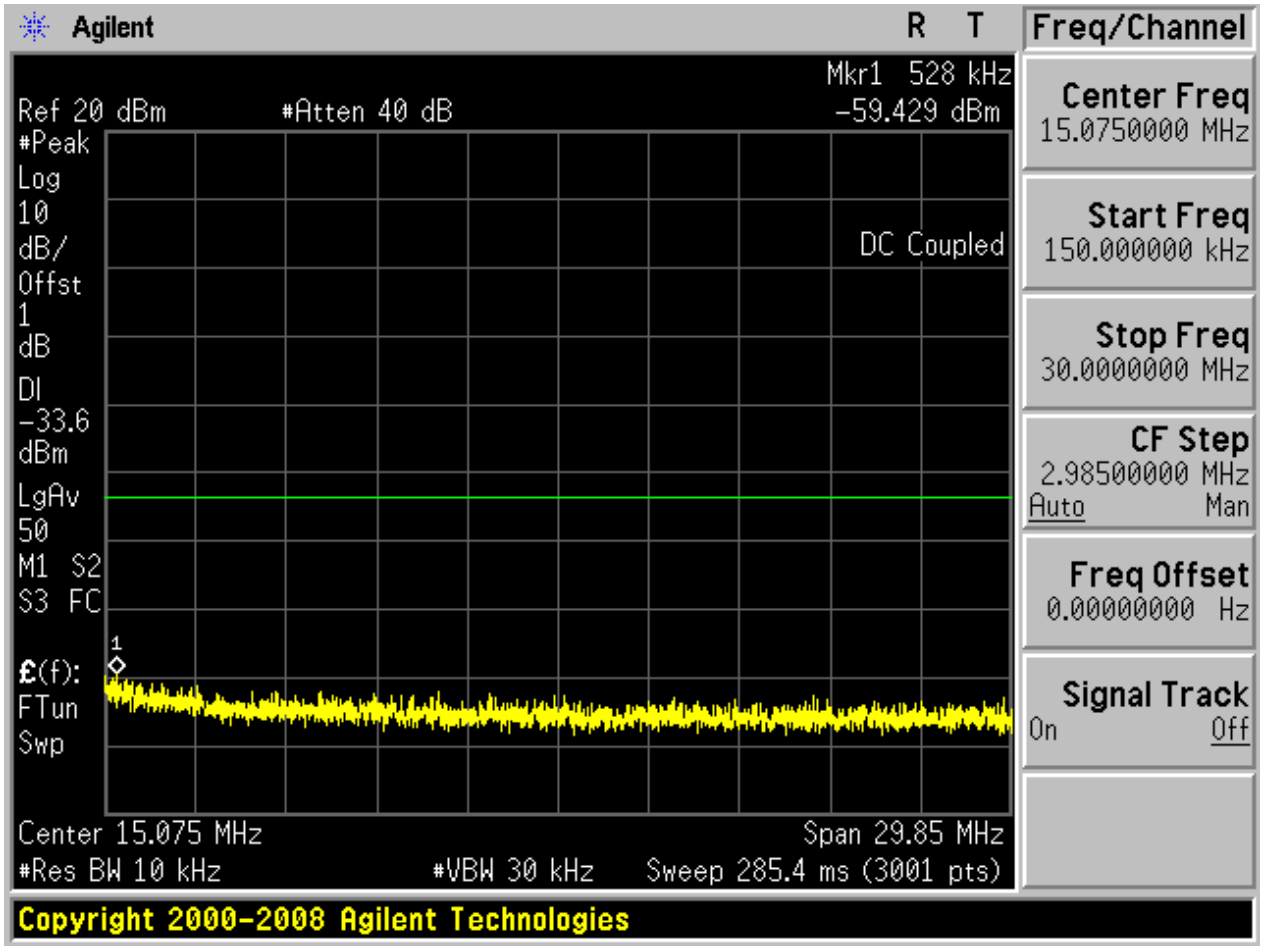

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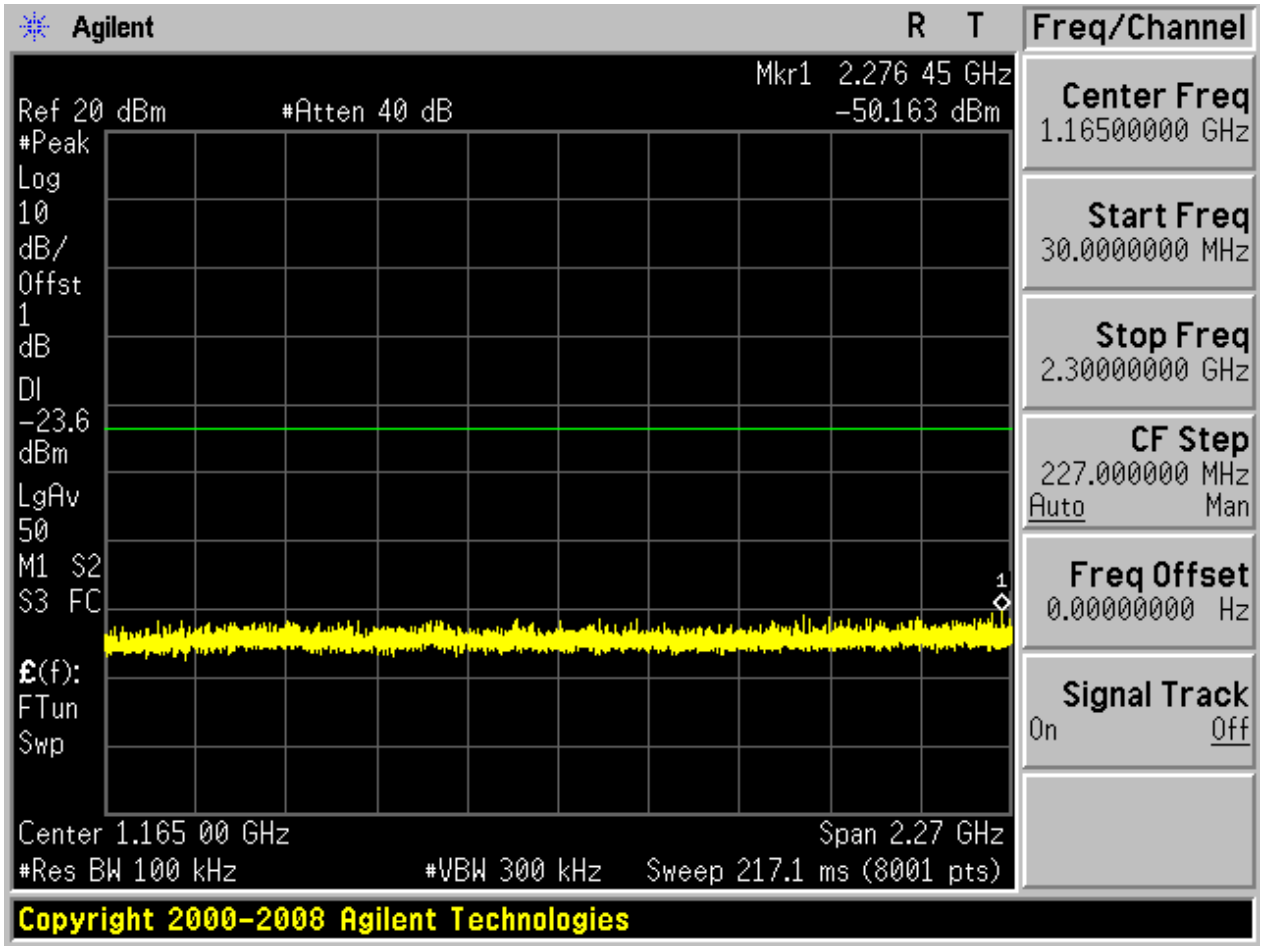

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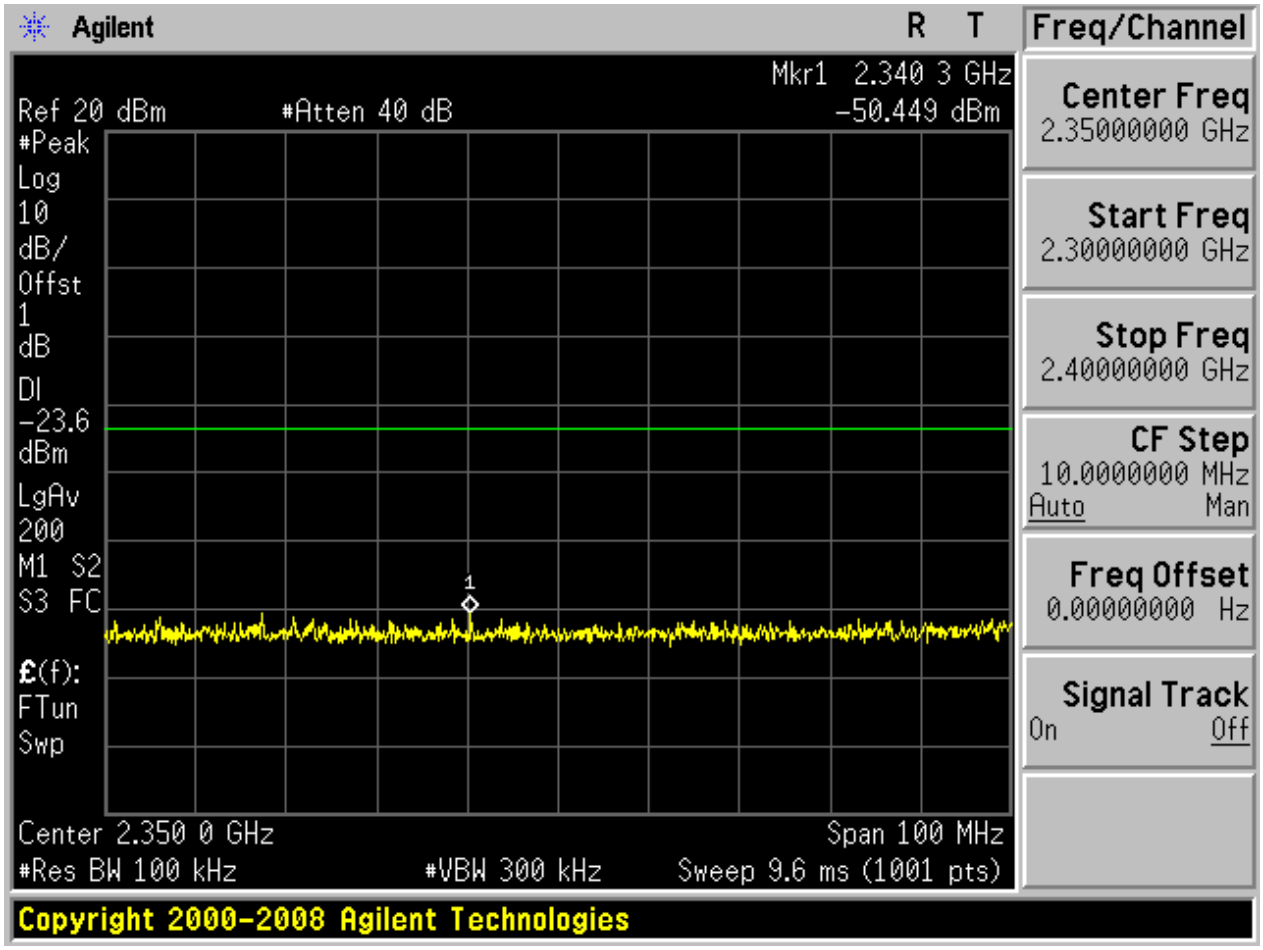

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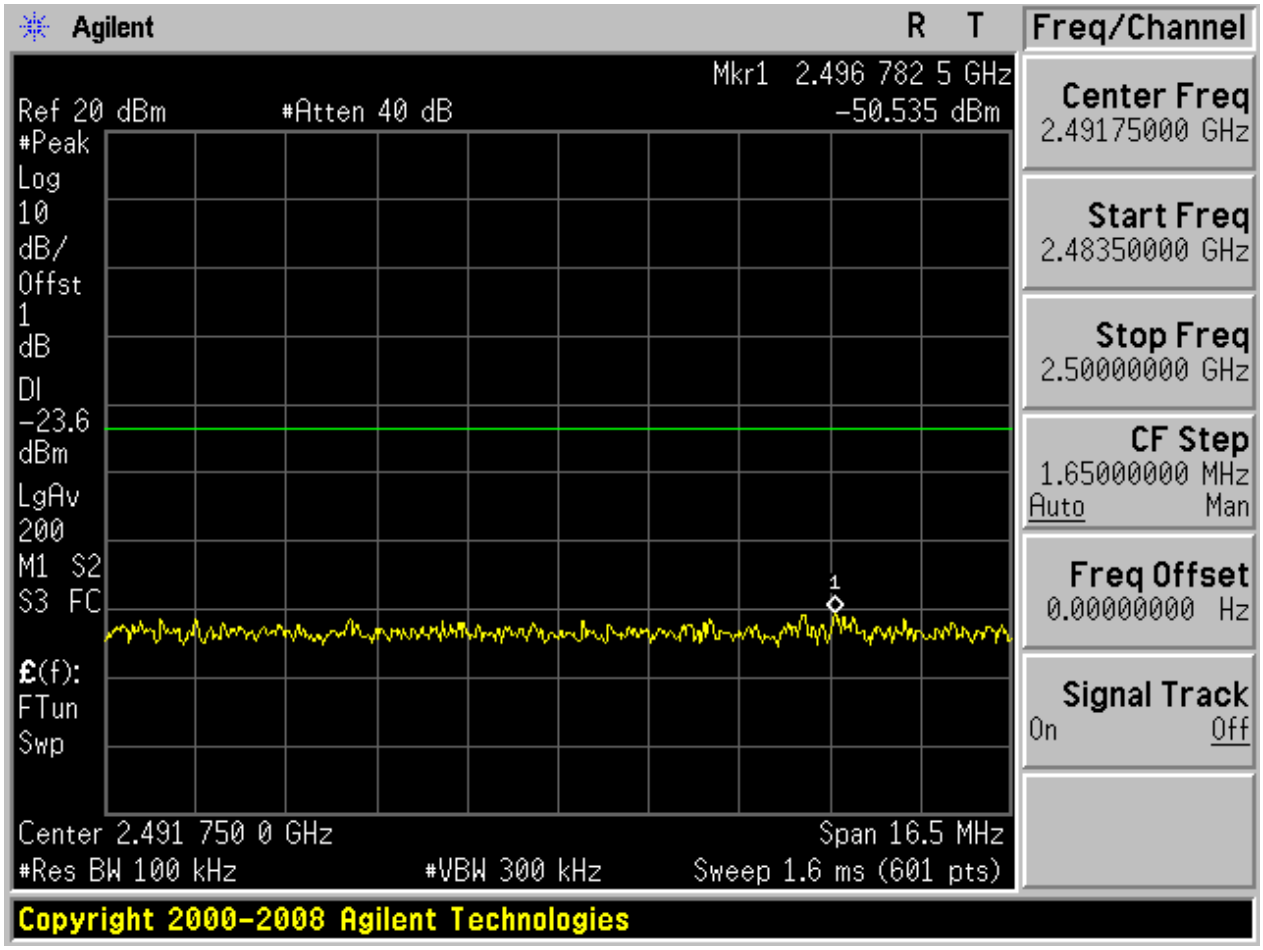

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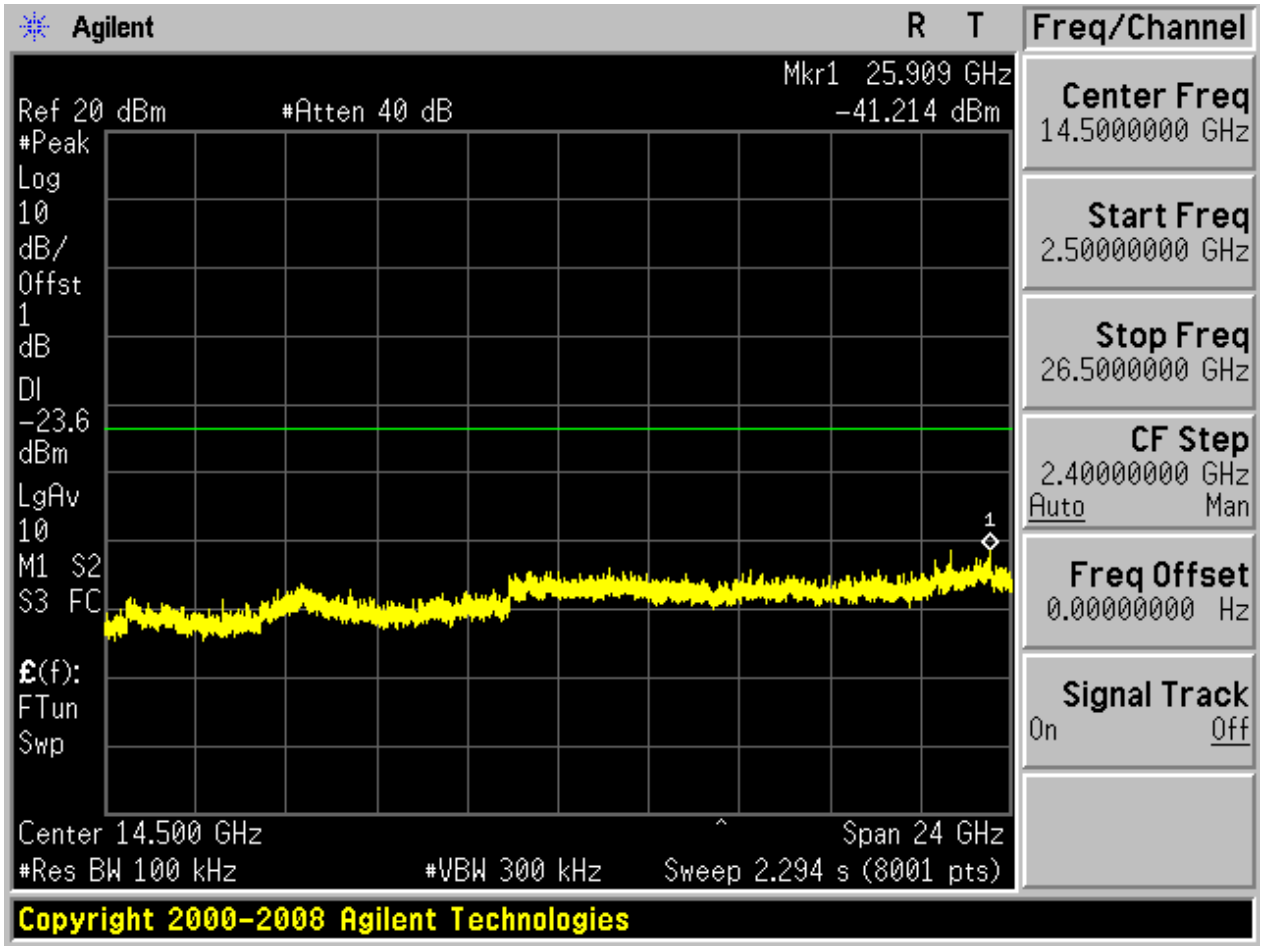

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2.5 11B_H@Ant 1

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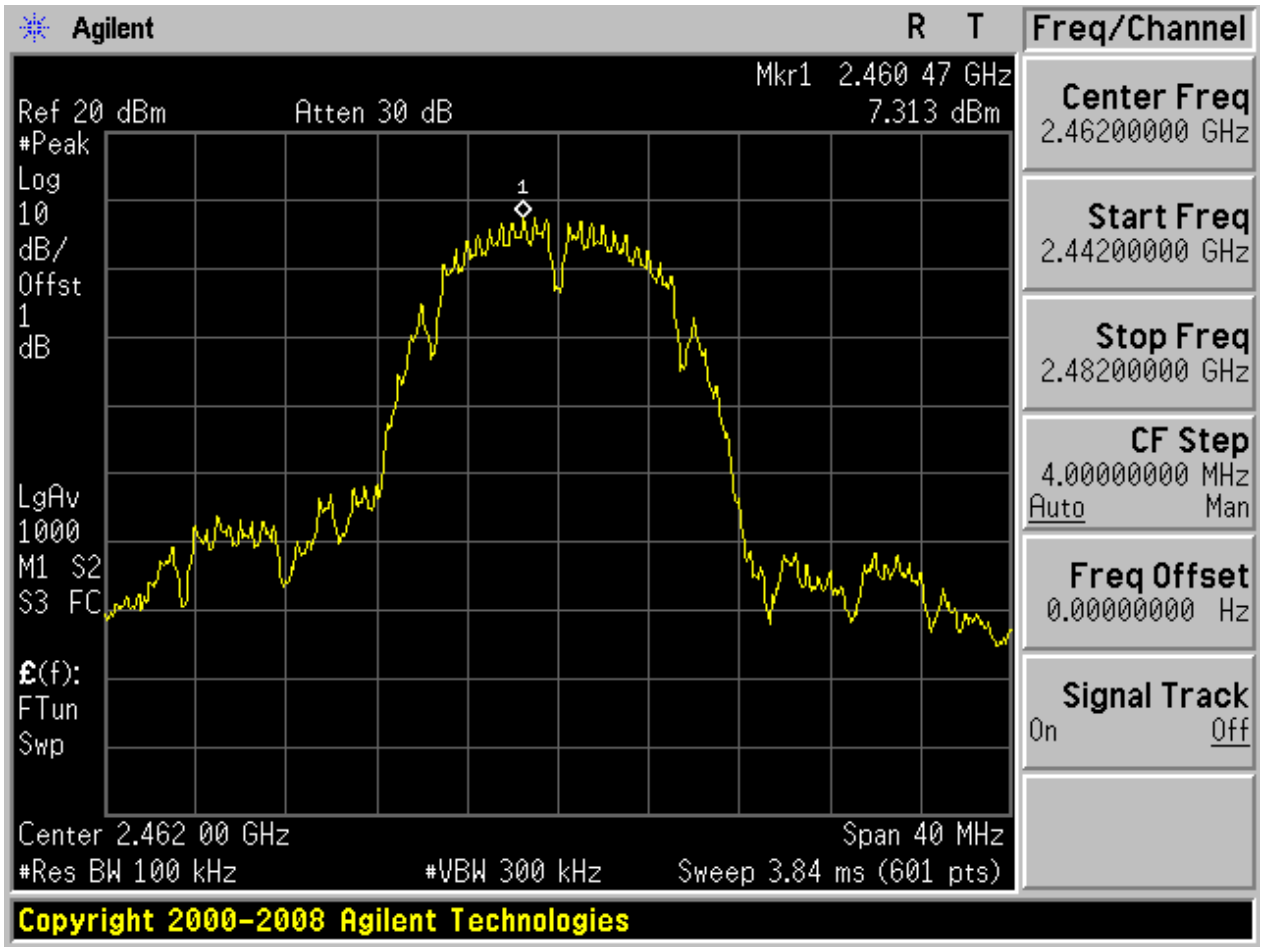

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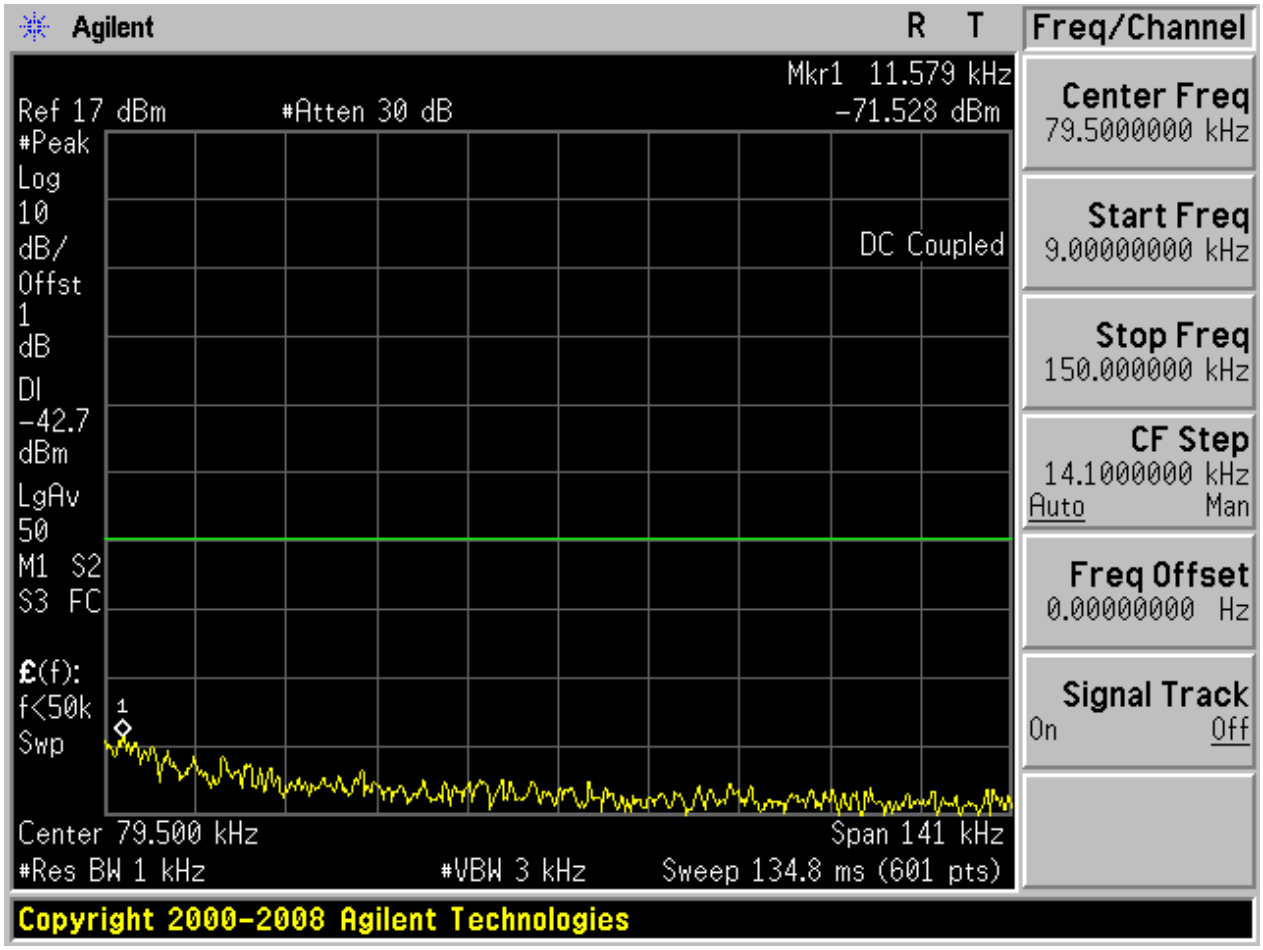

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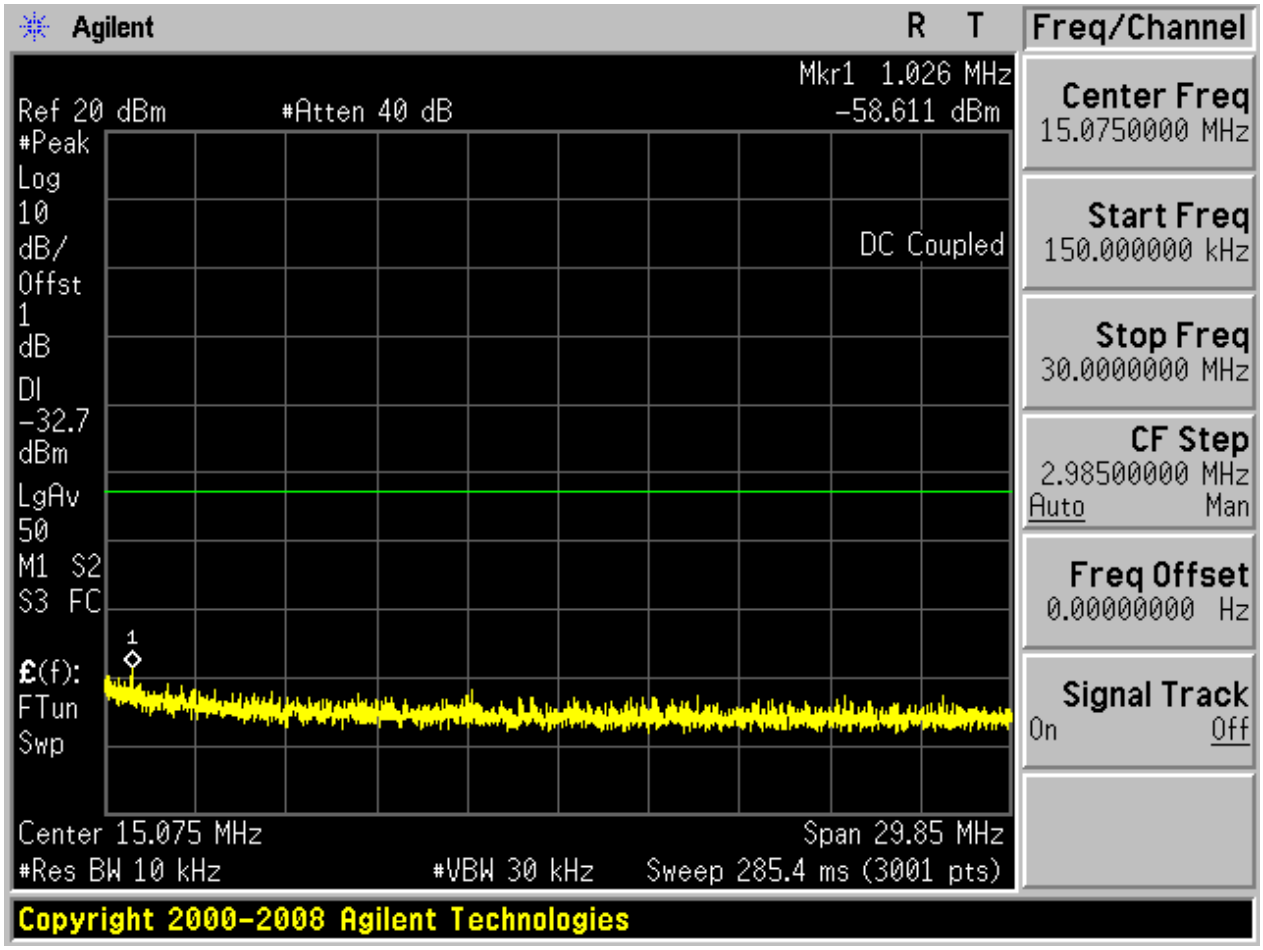

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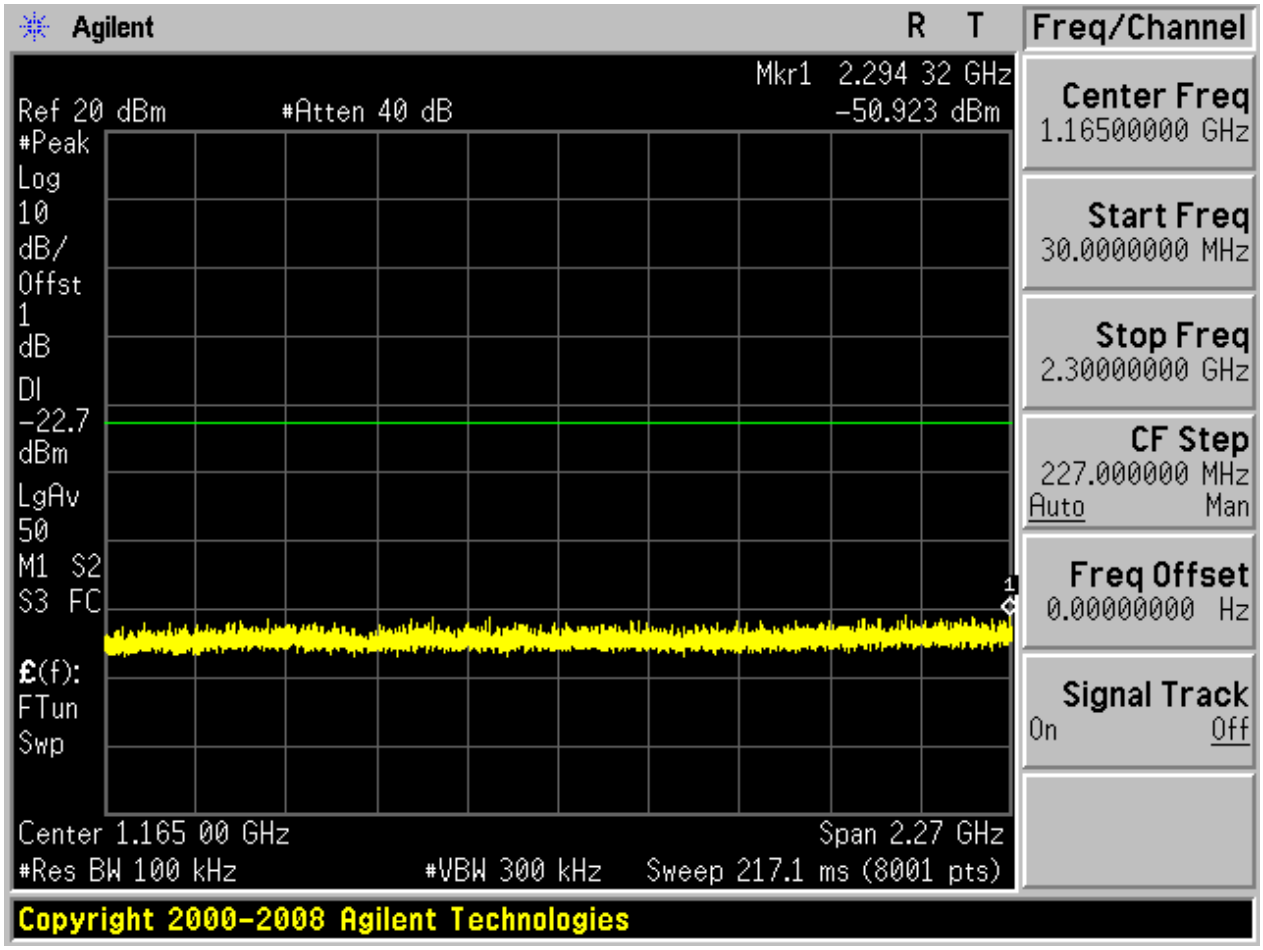

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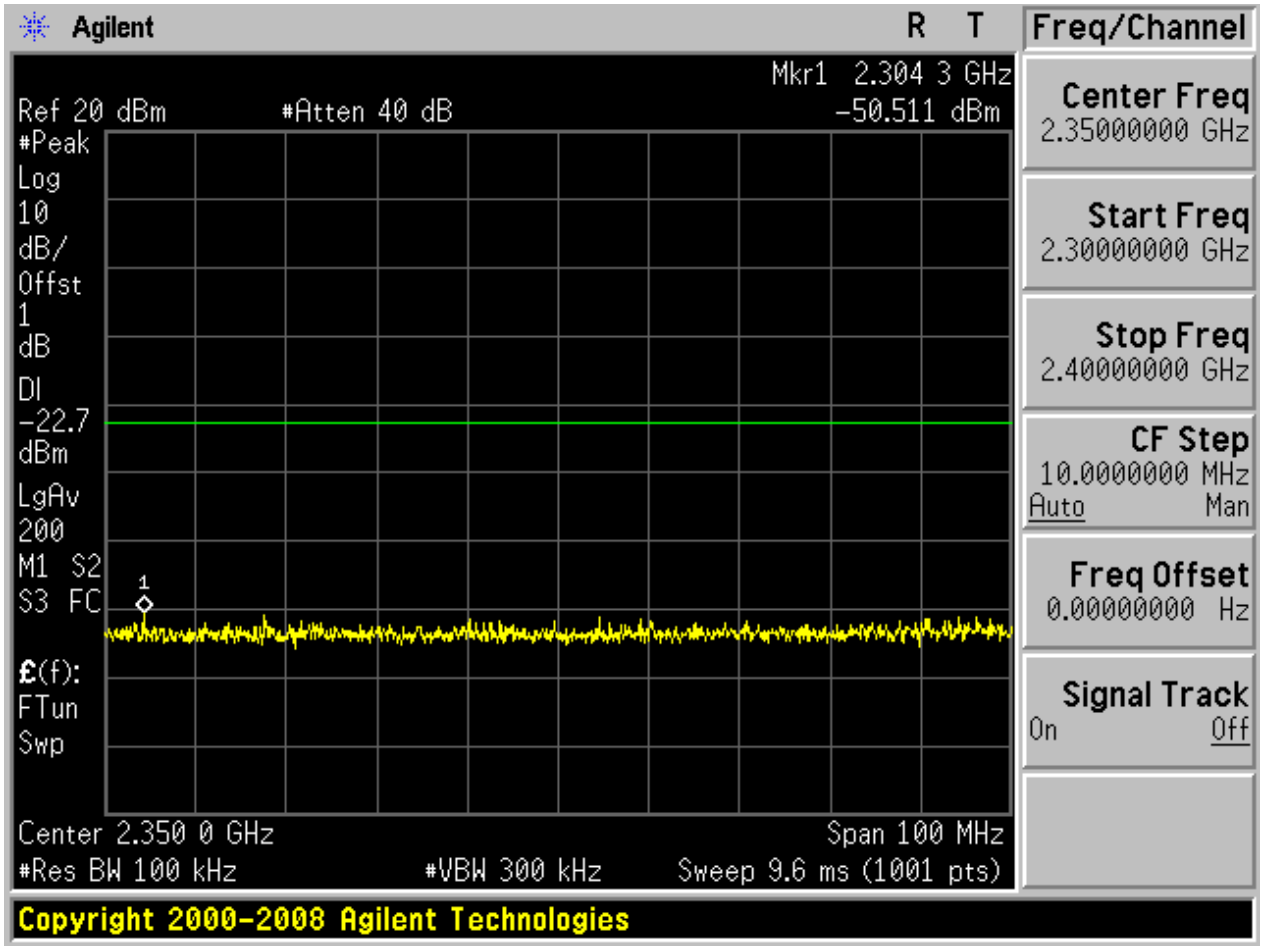

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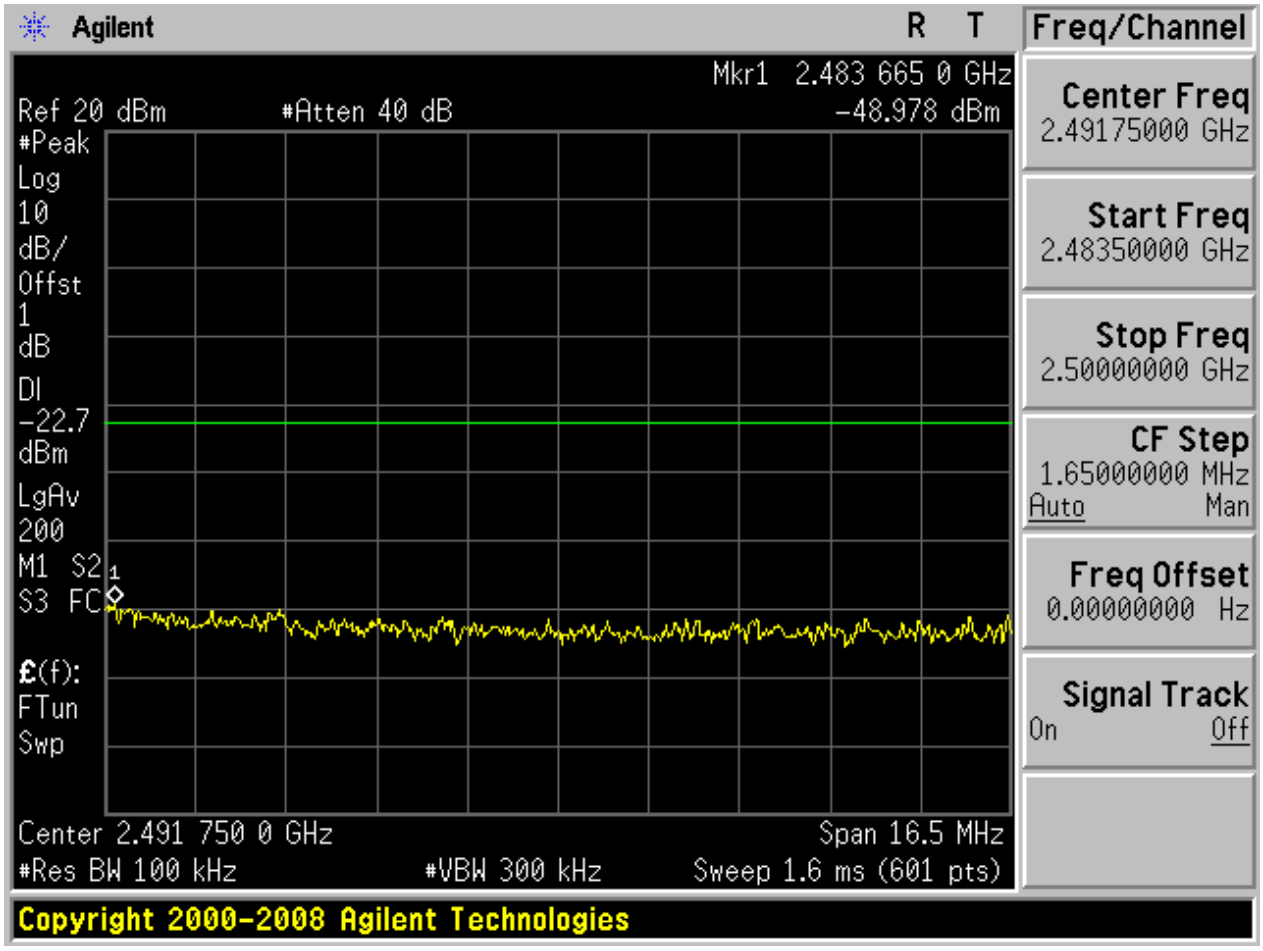

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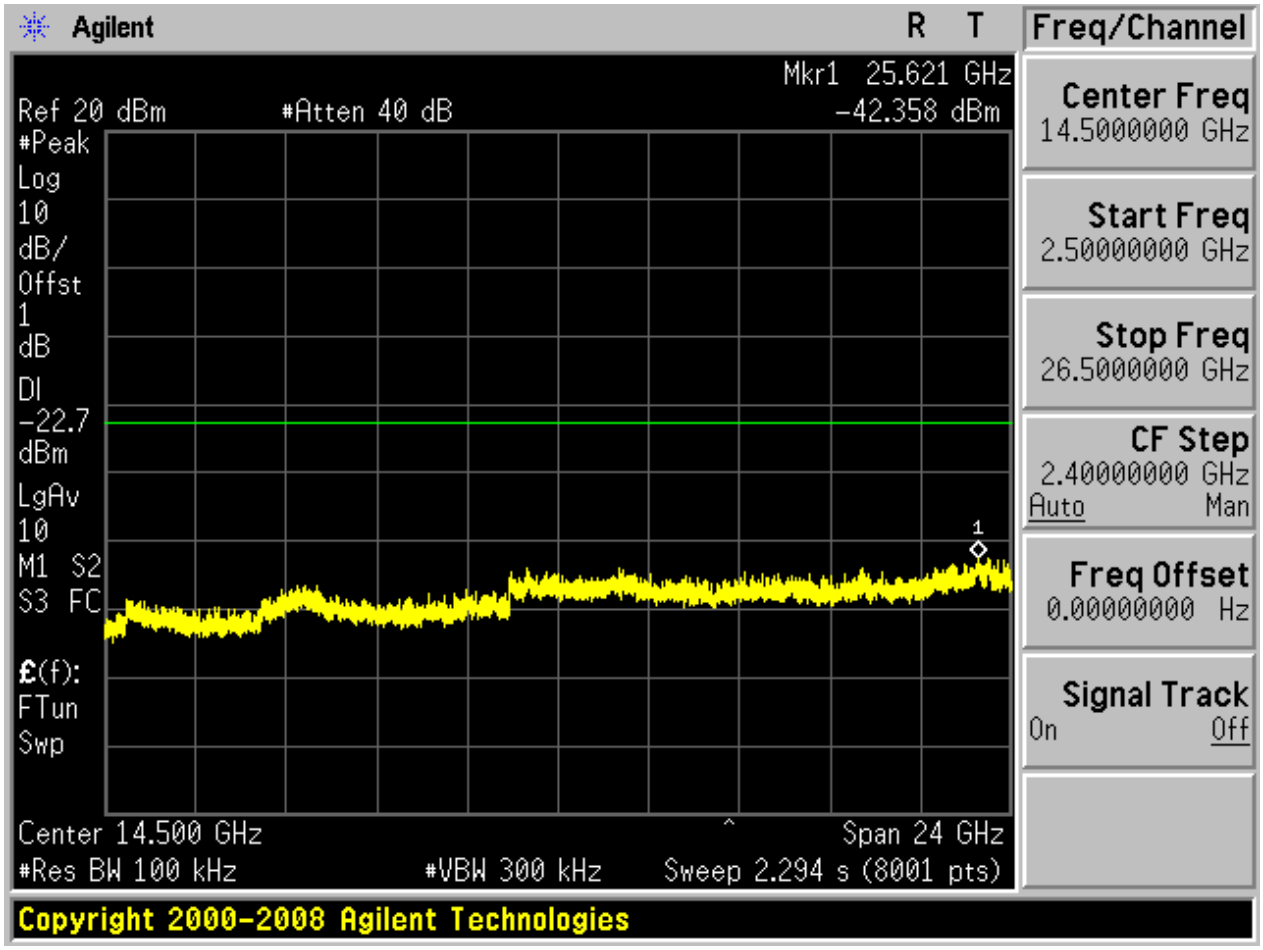

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2.6 11B_H@Ant 2

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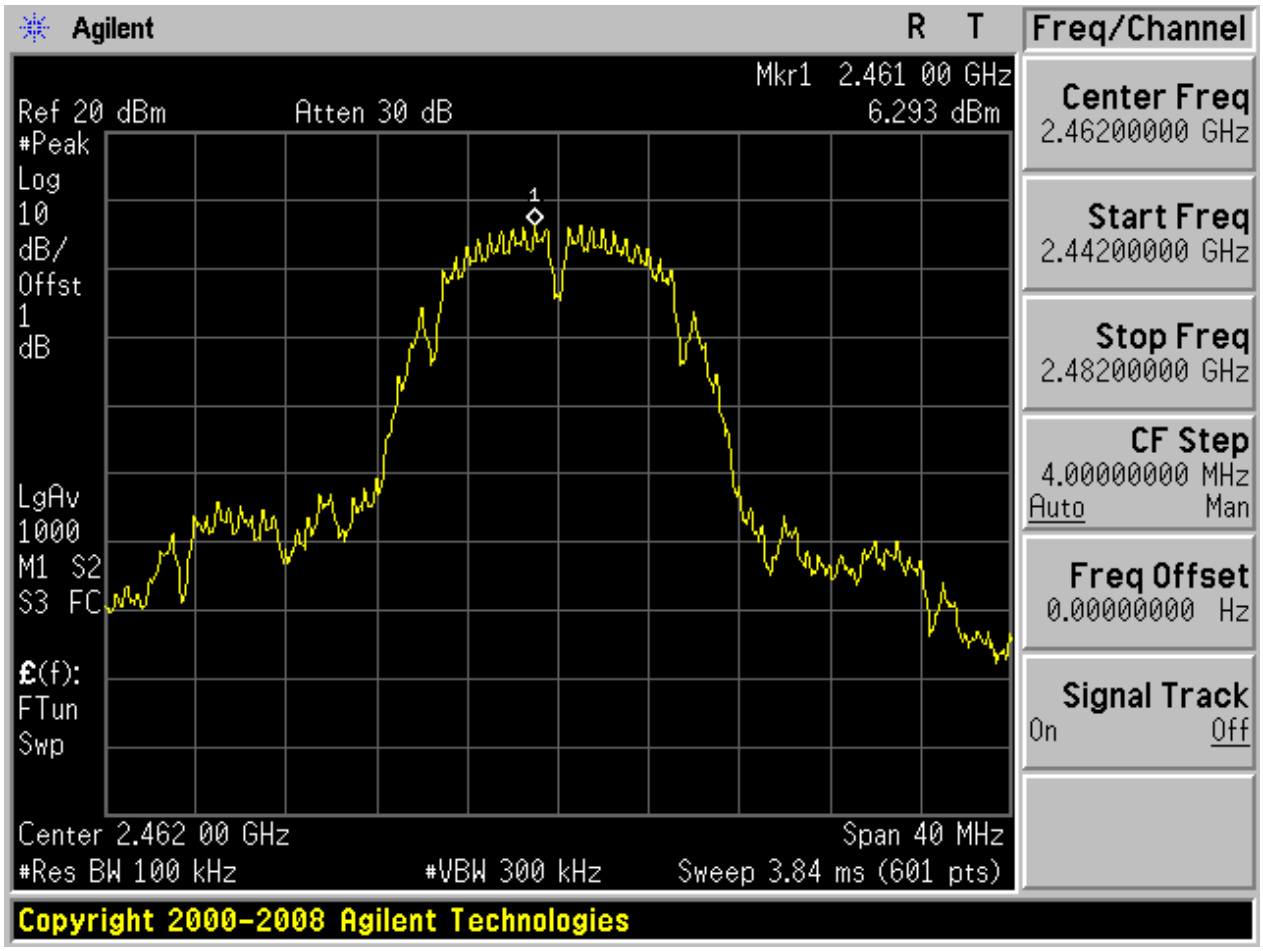

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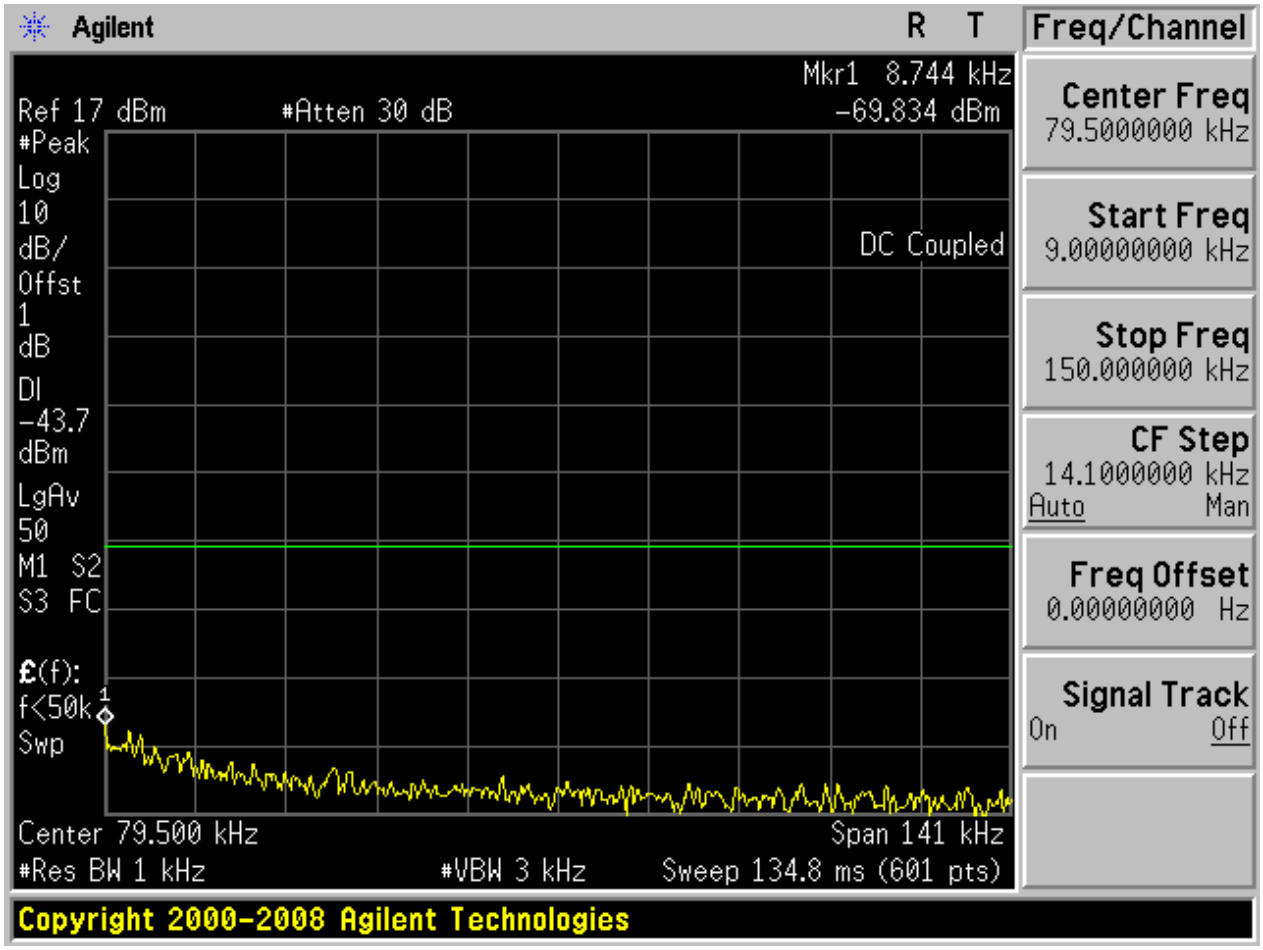

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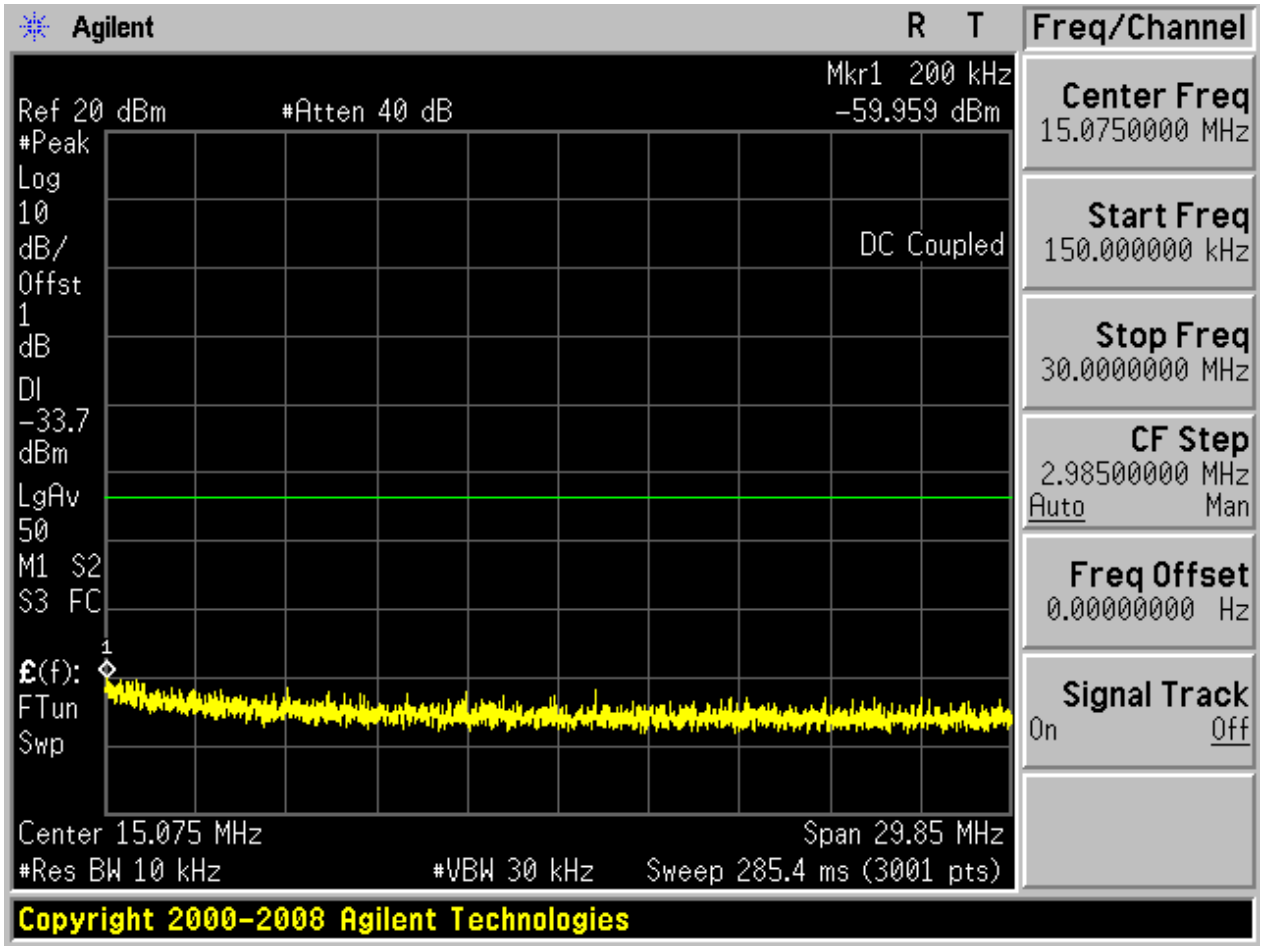

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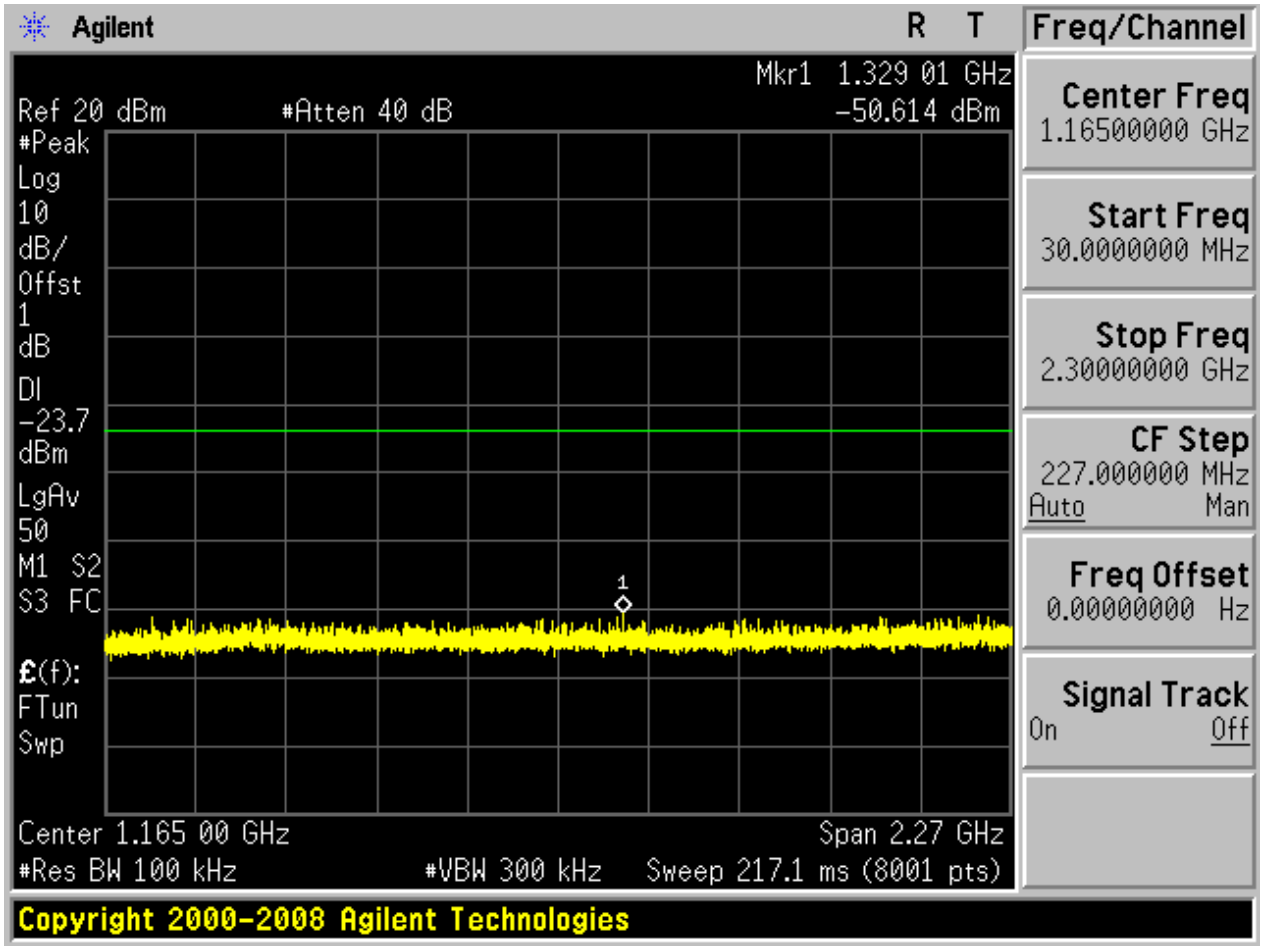

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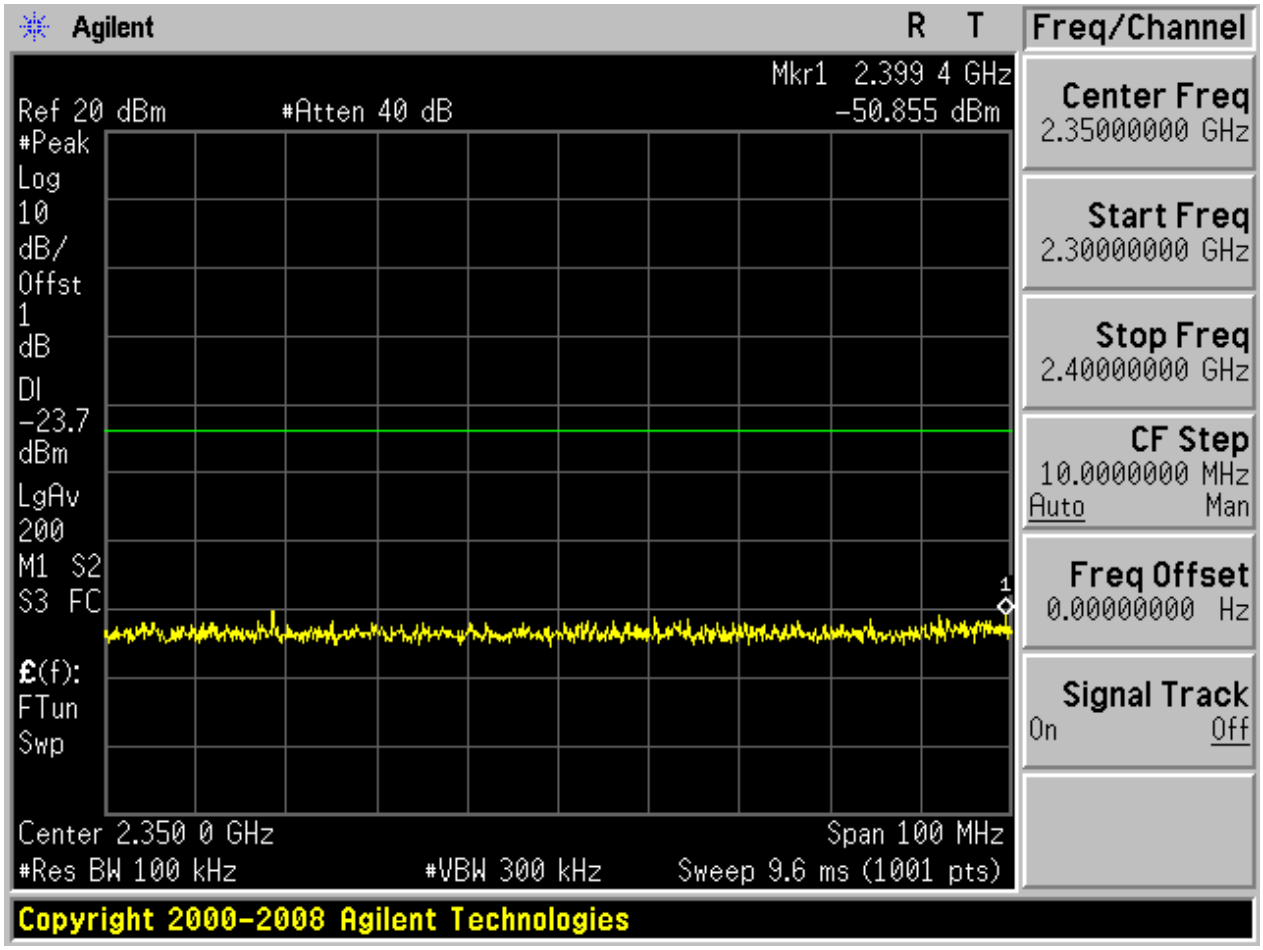

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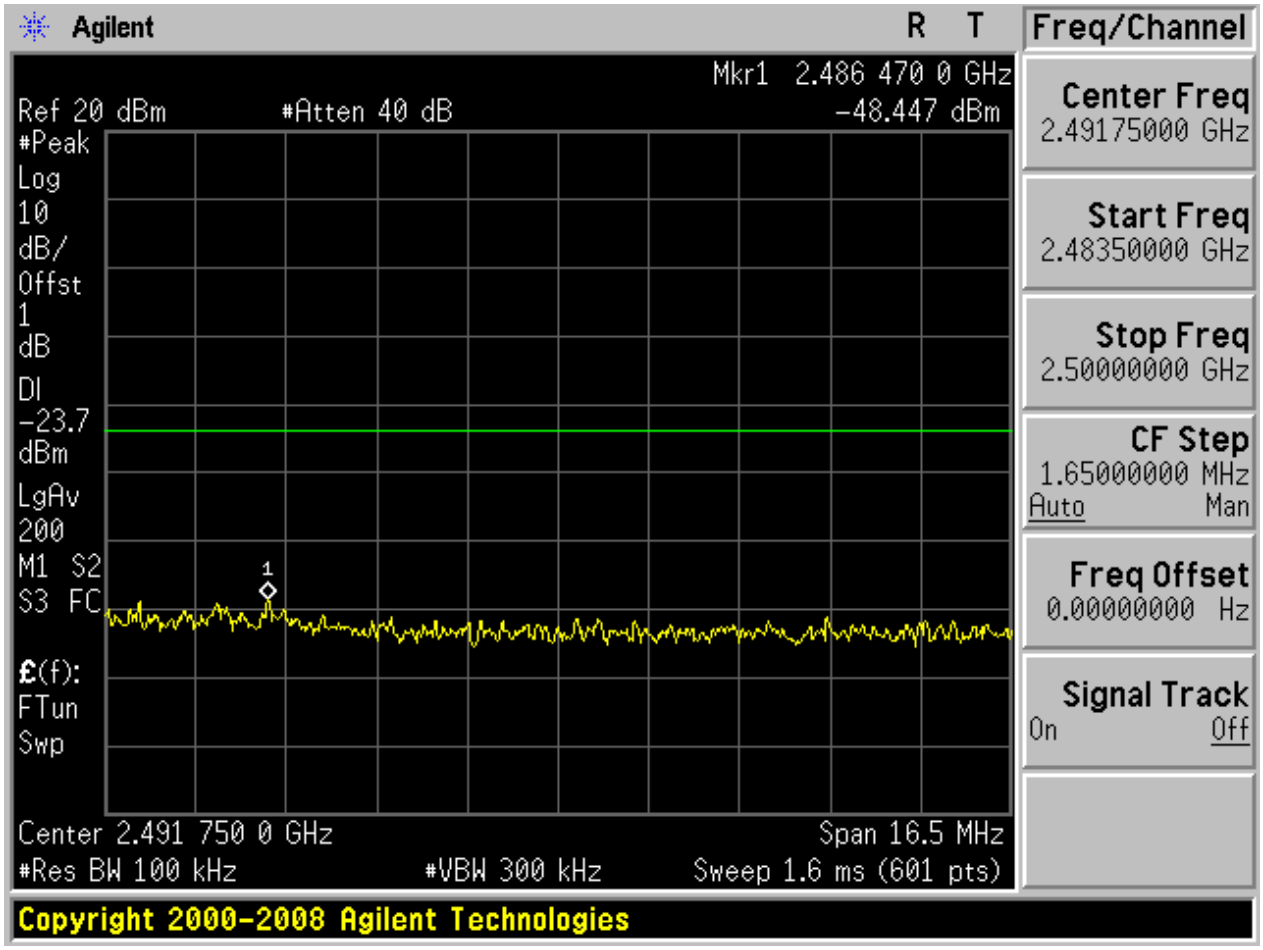

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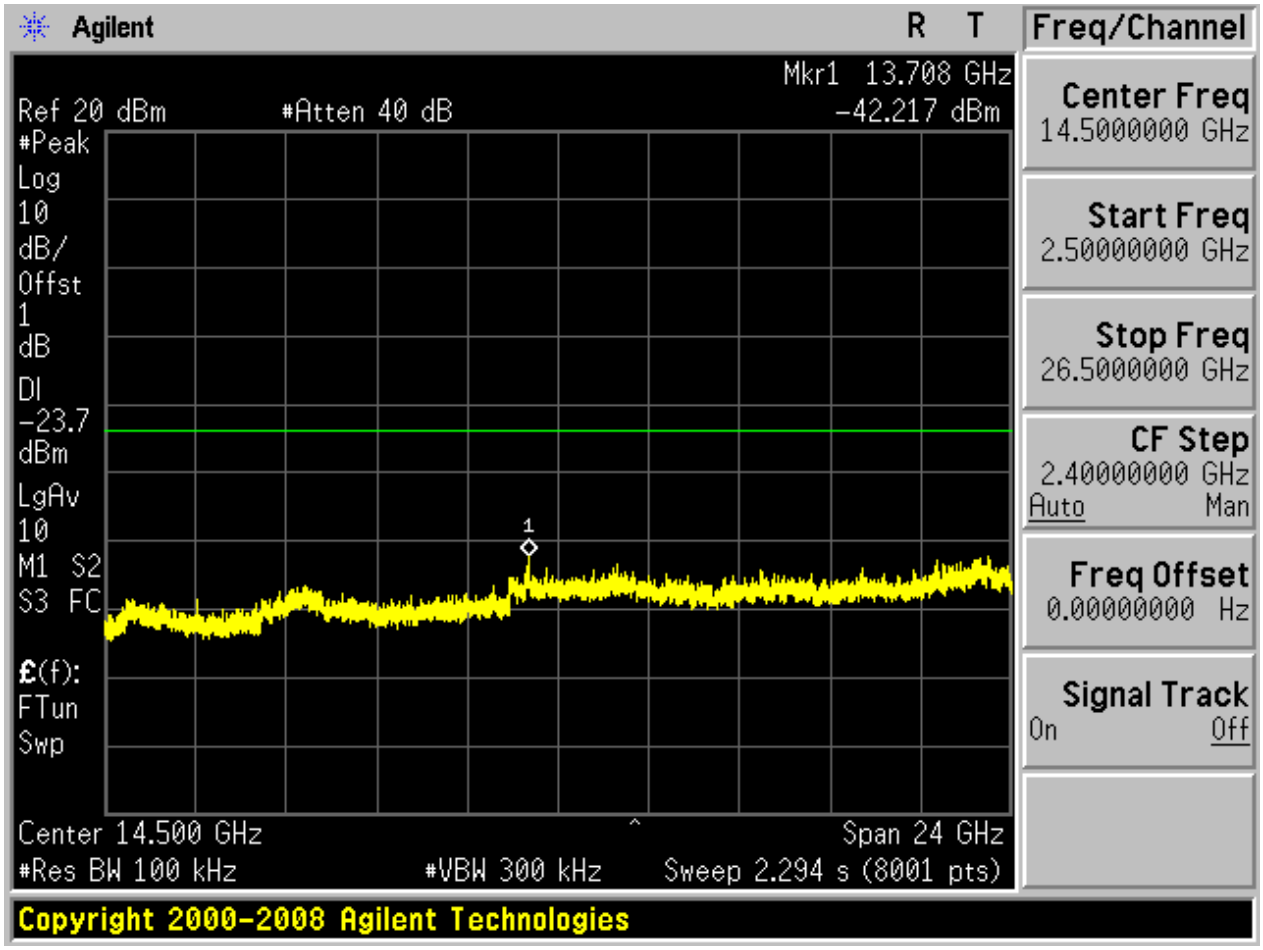

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2.7 11G_L@Ant 1

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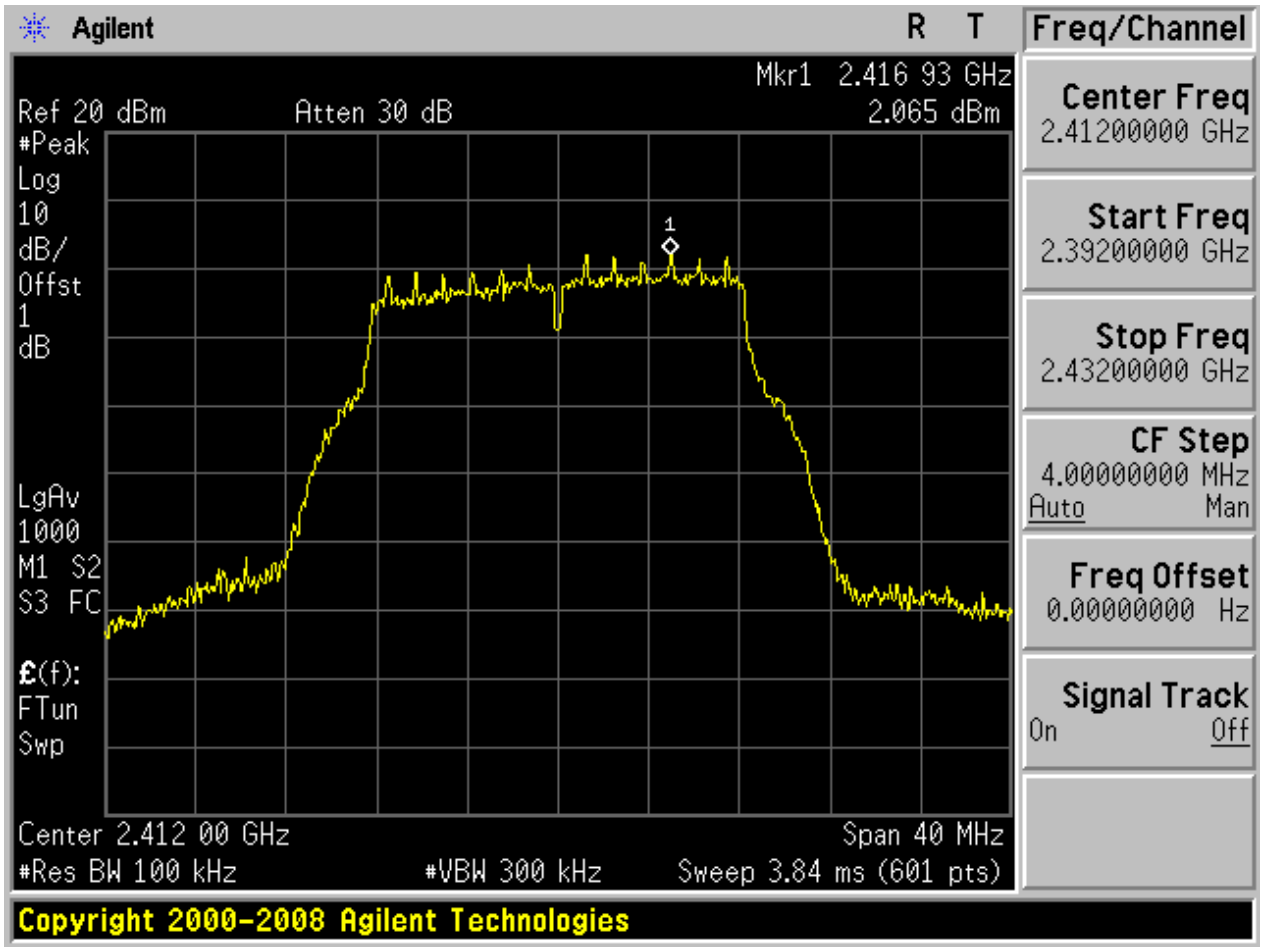

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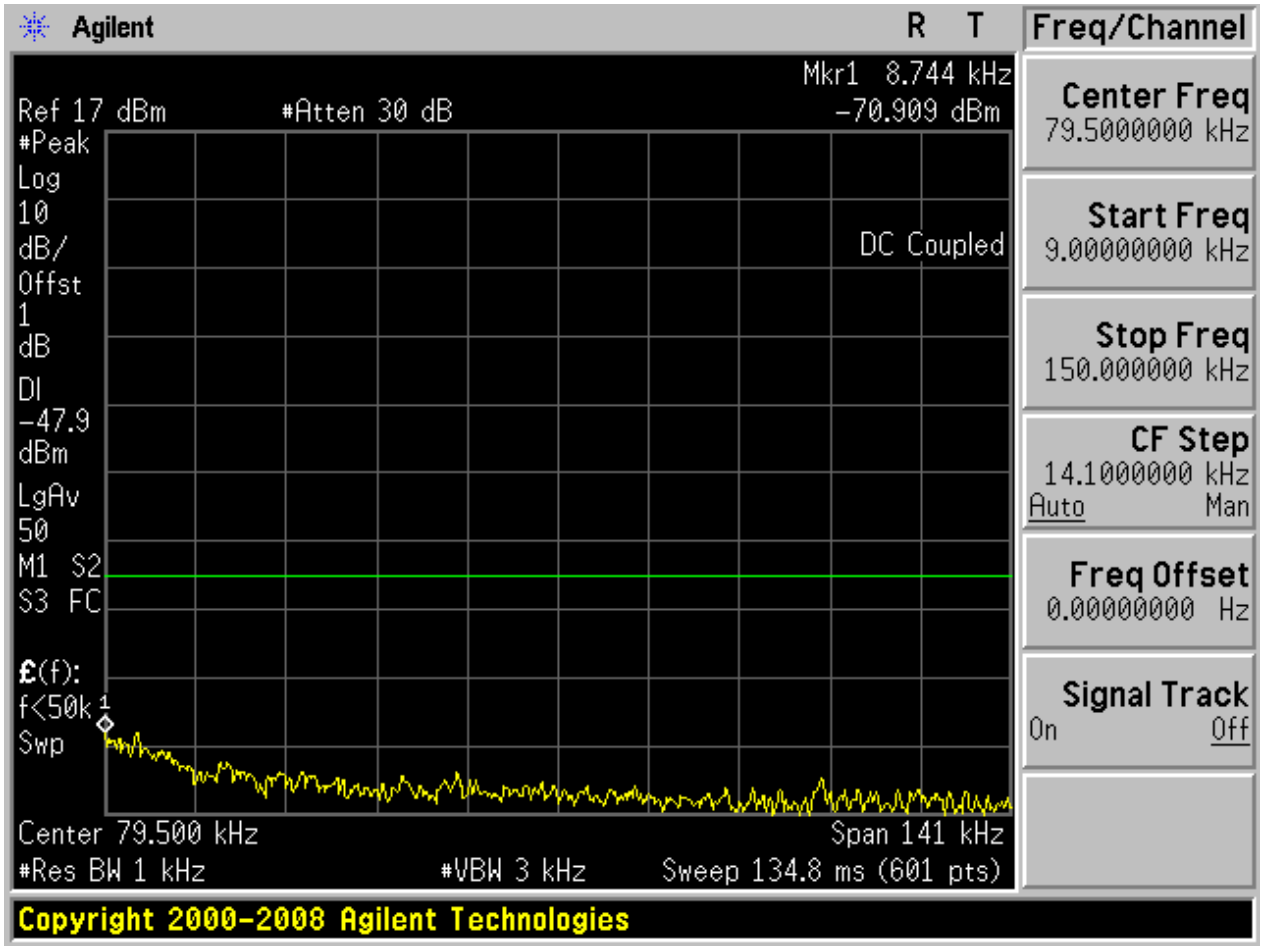

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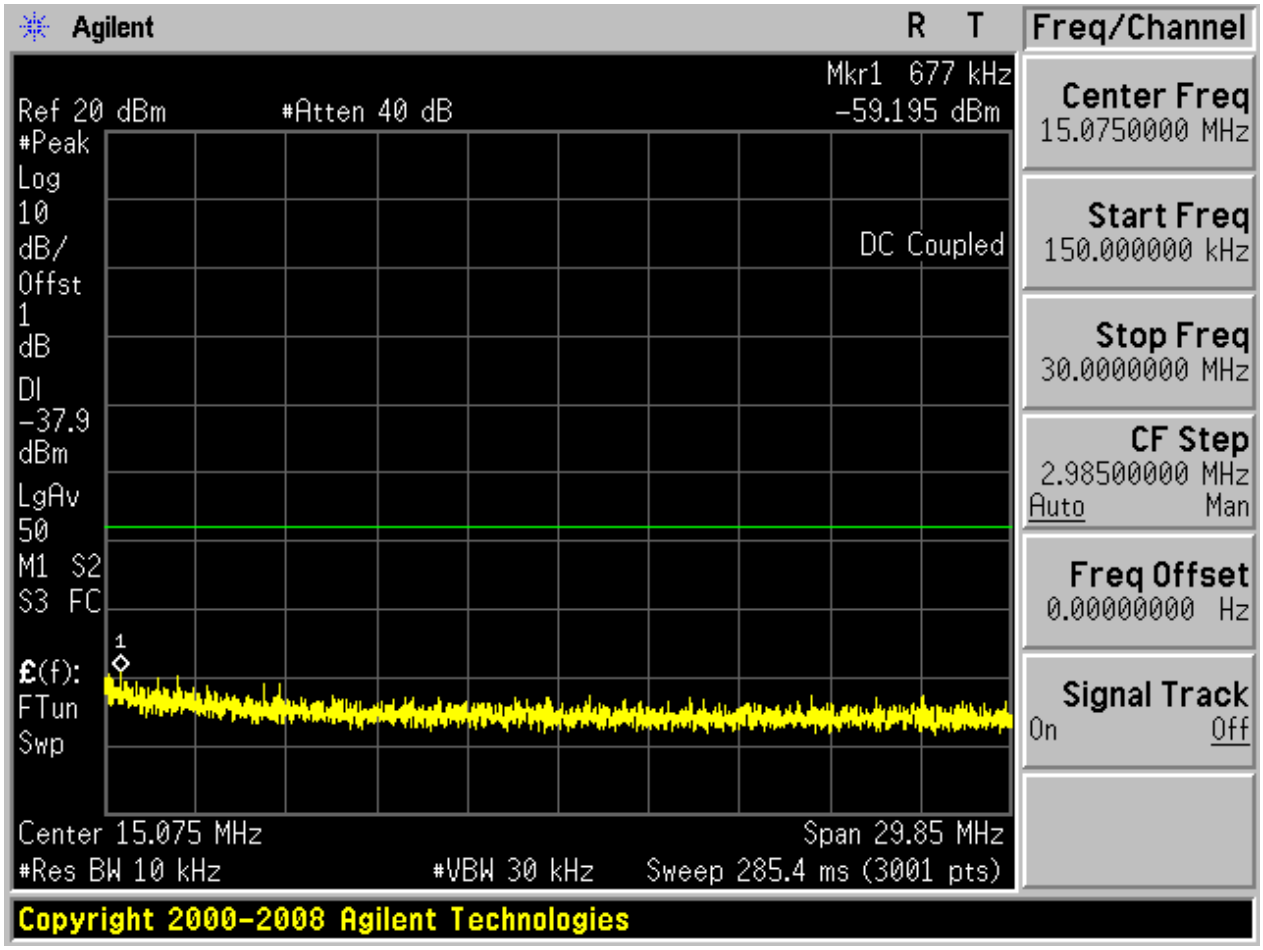

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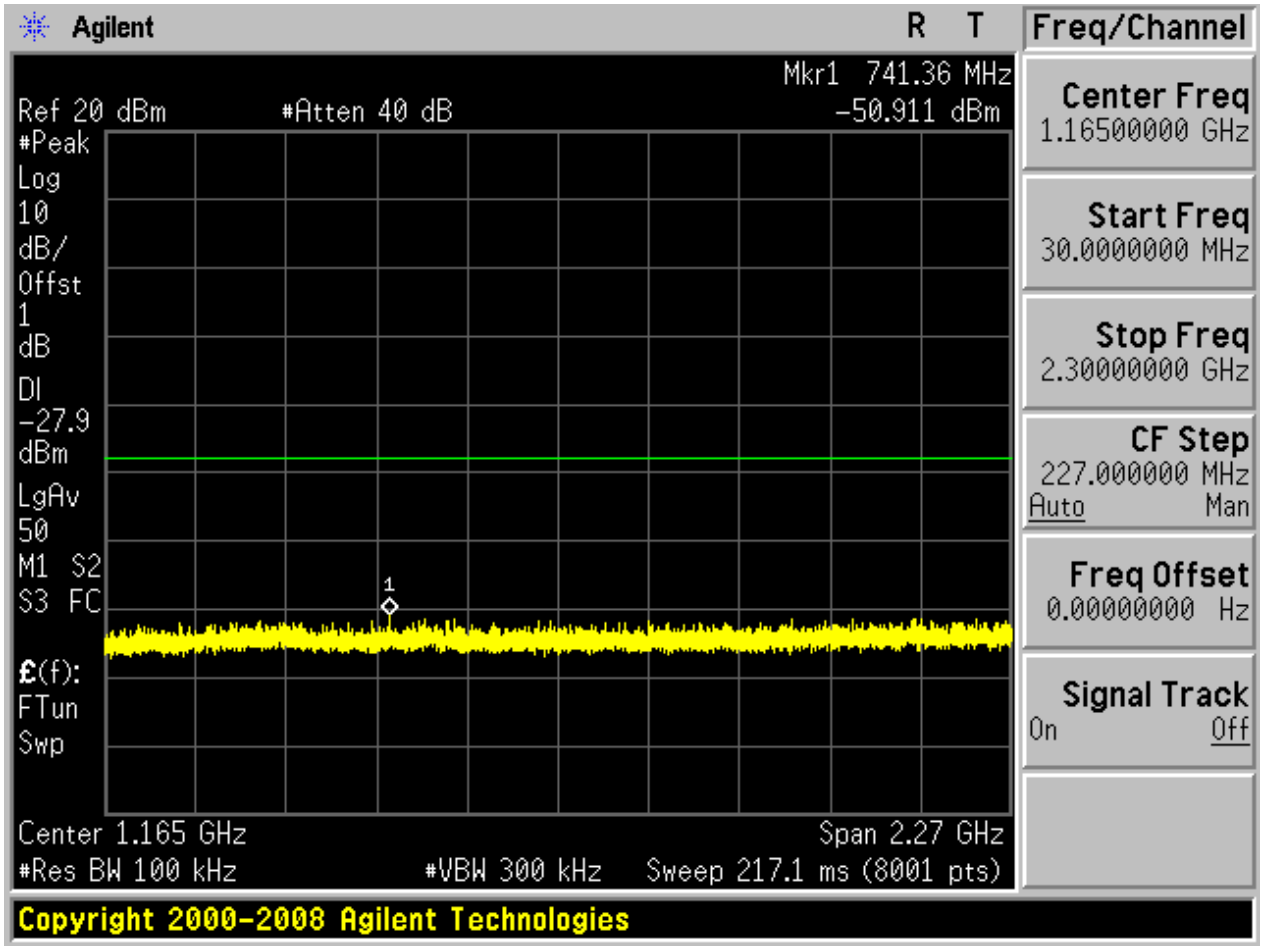

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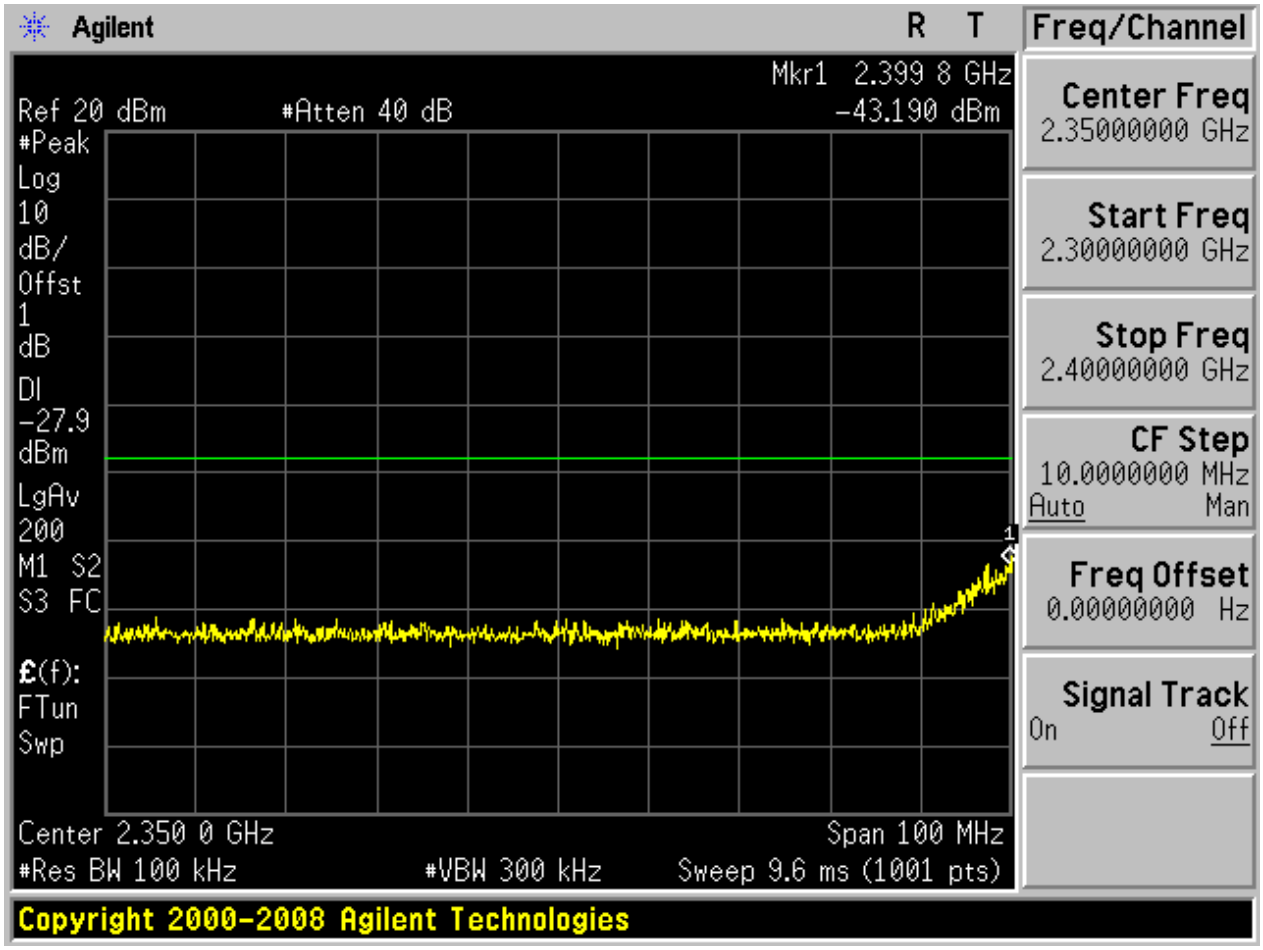

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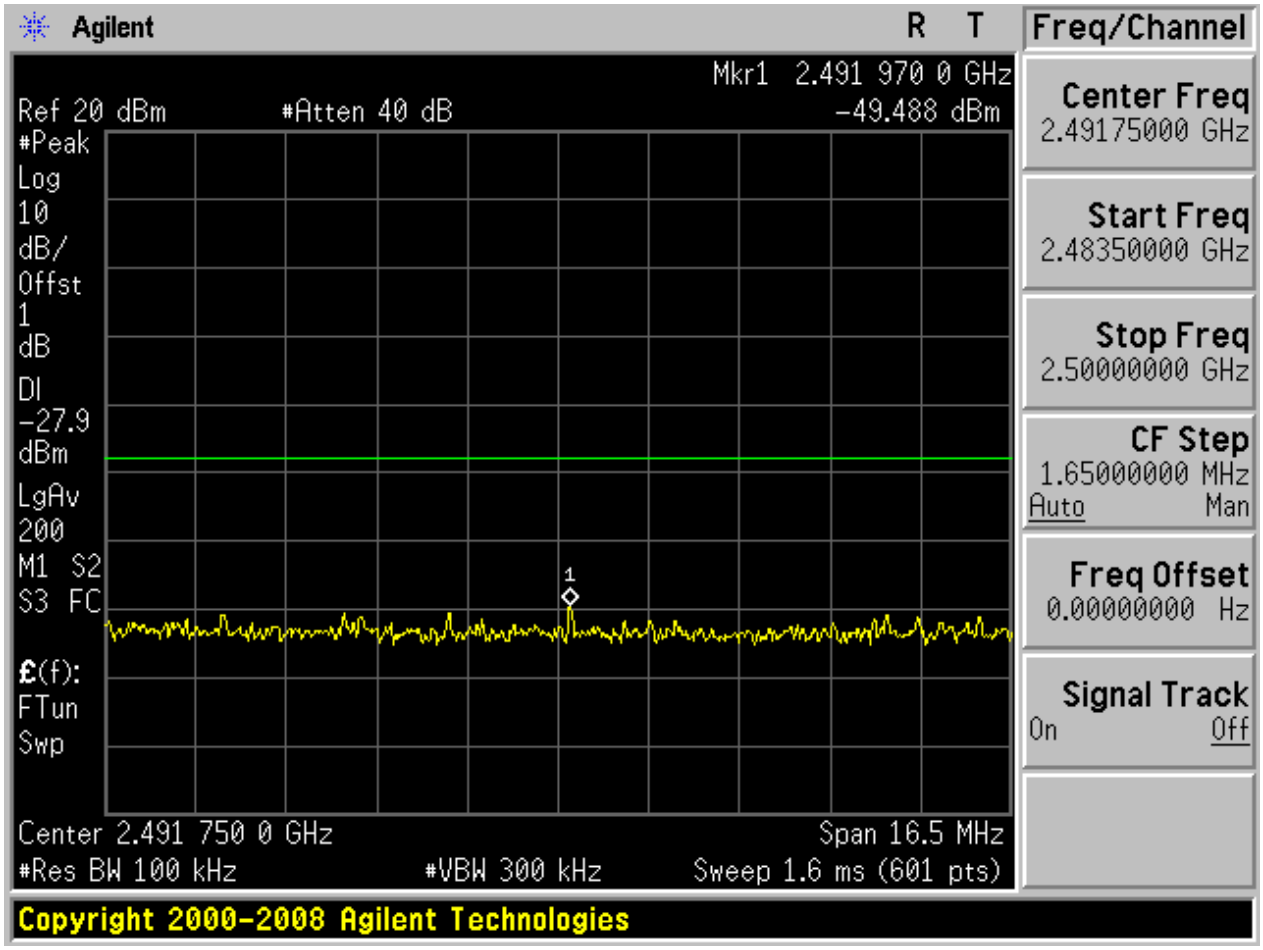

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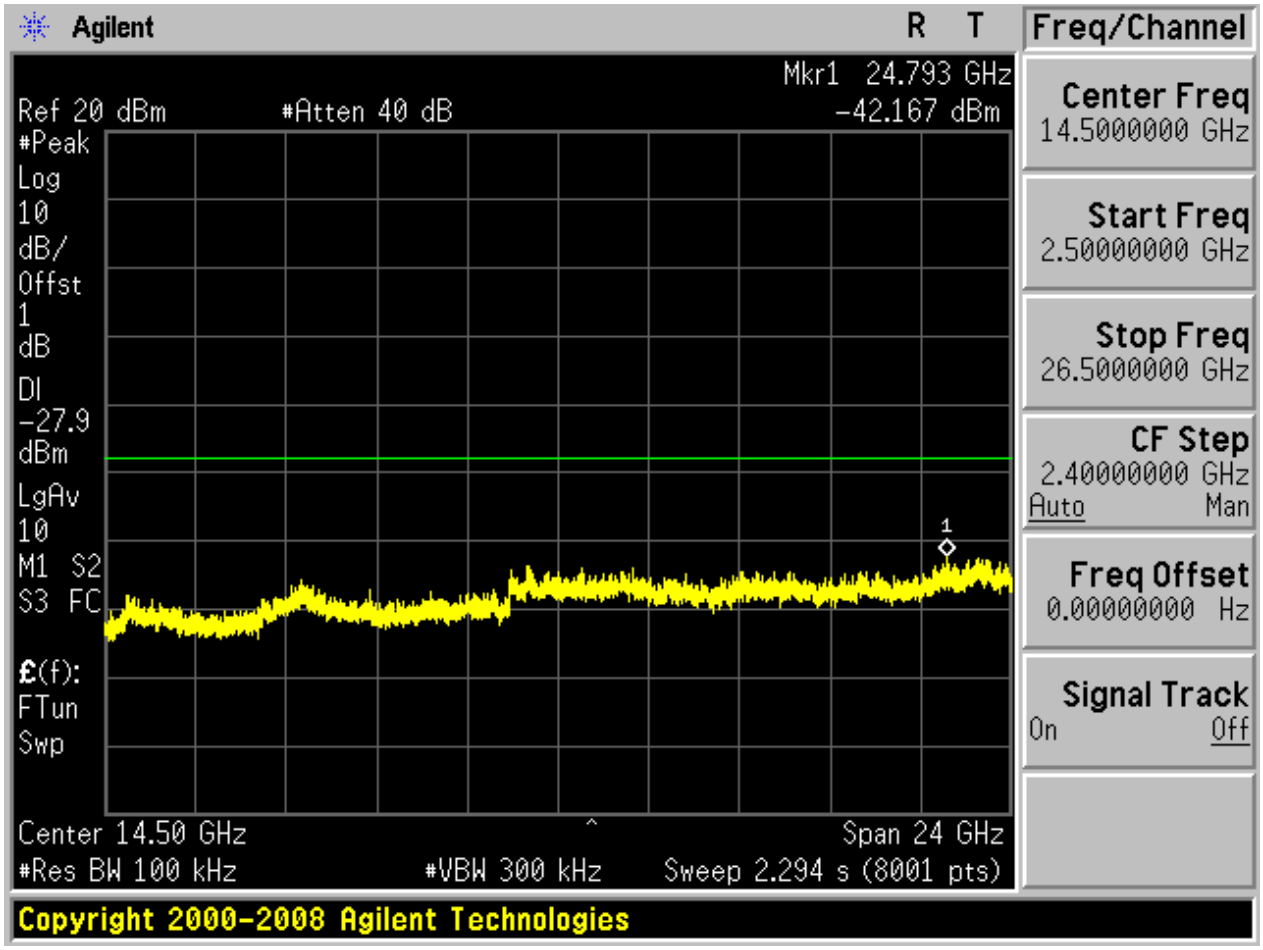

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2.8 11G_L@Ant 2

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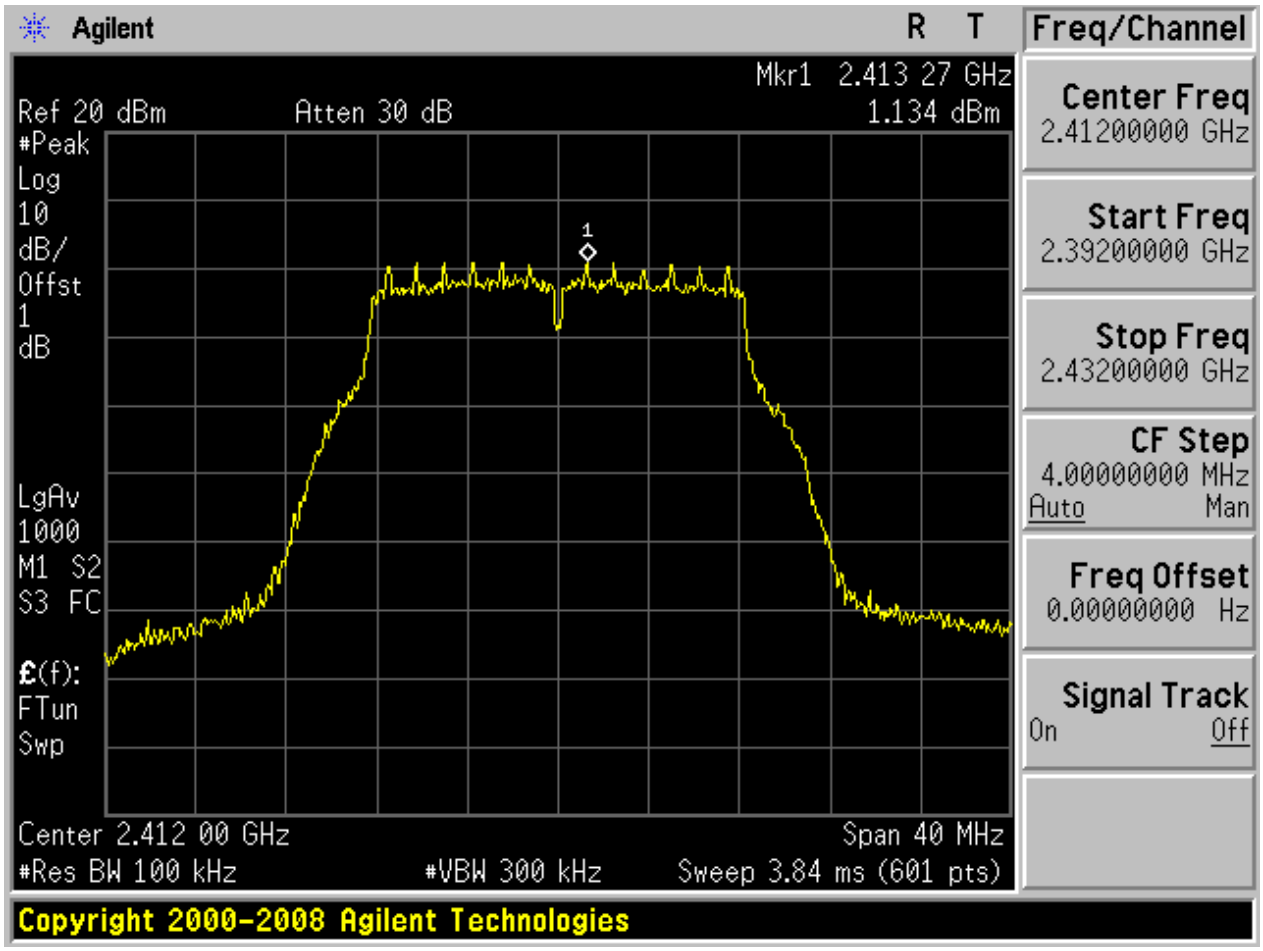

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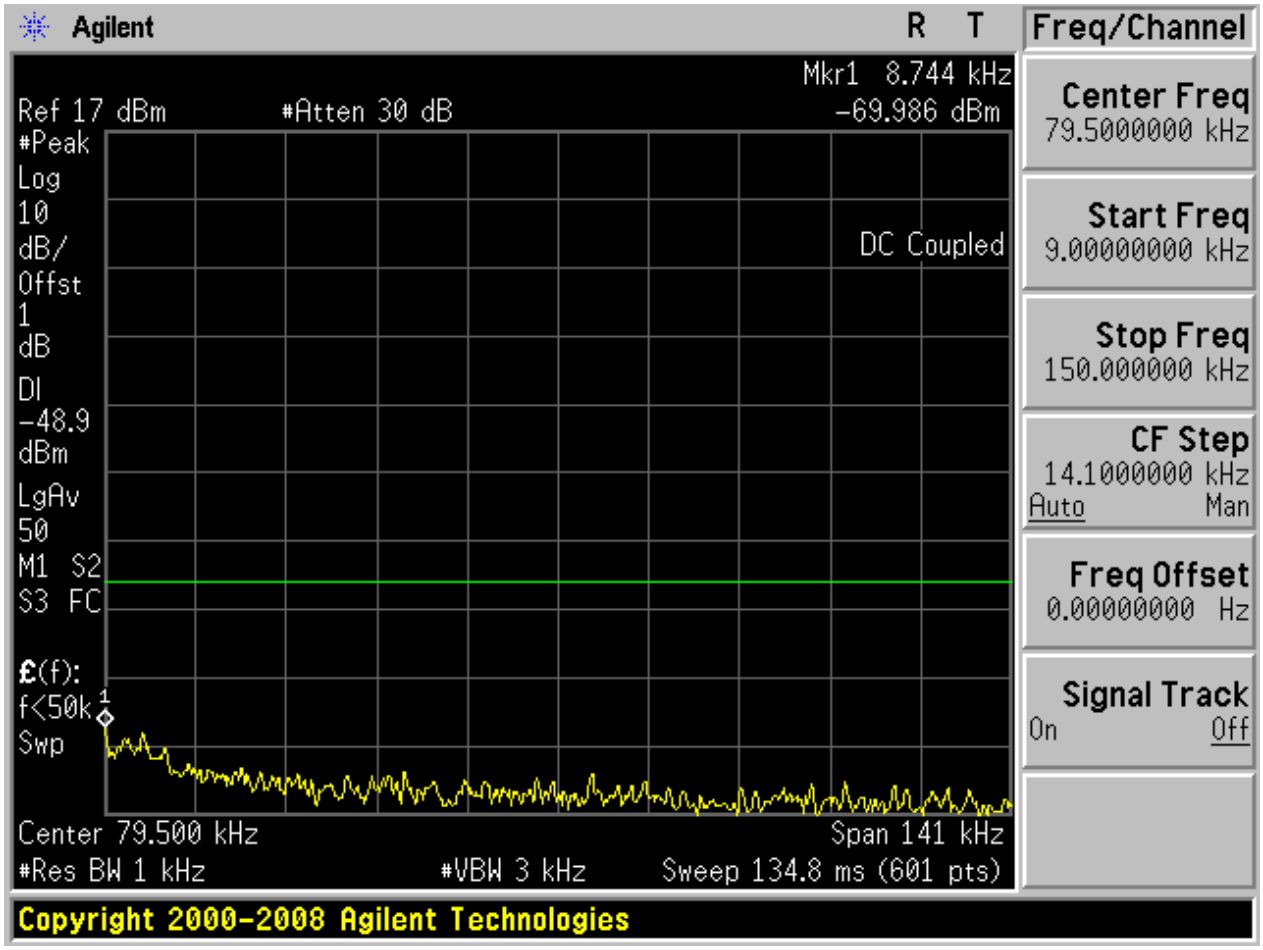

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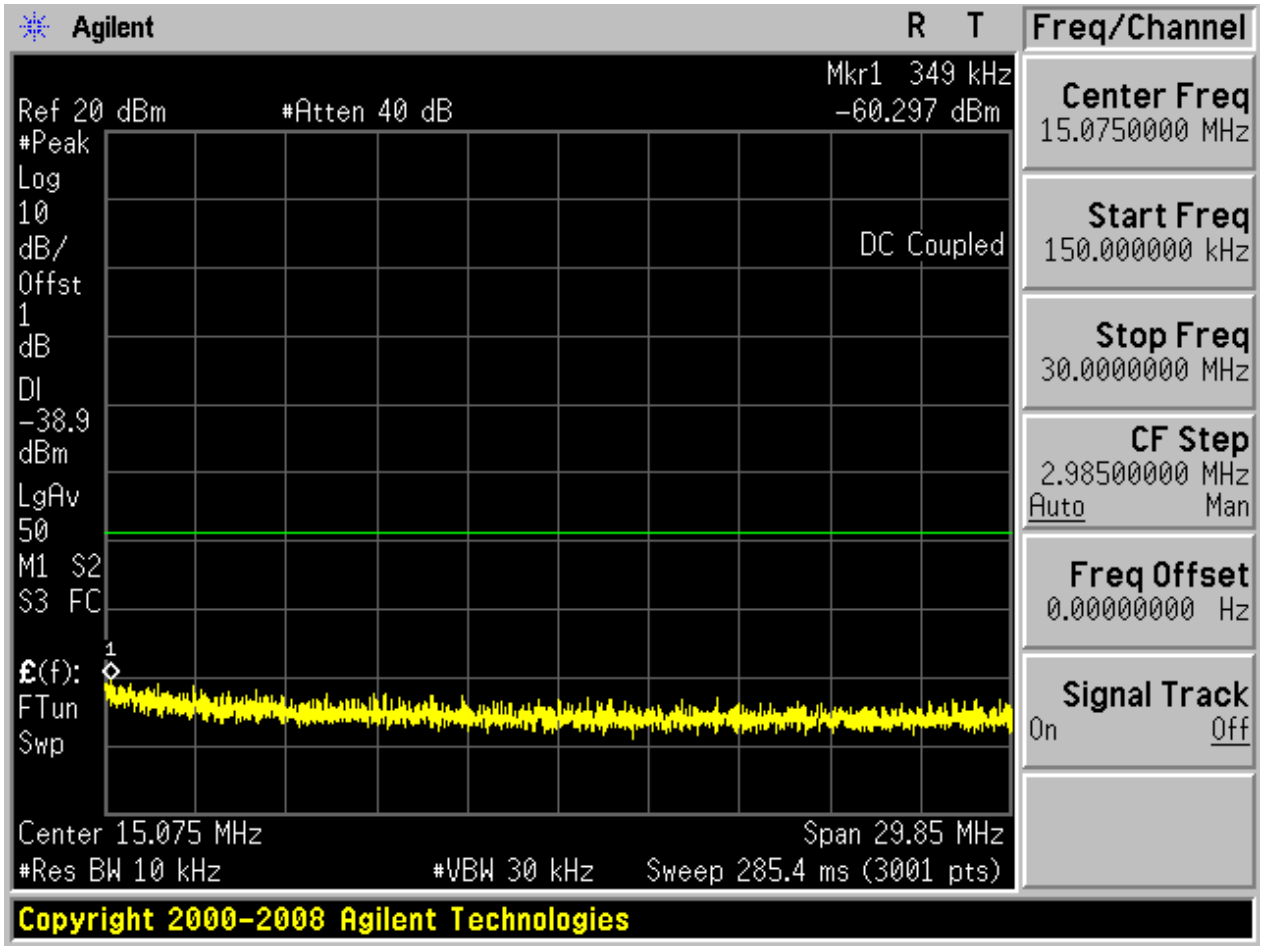

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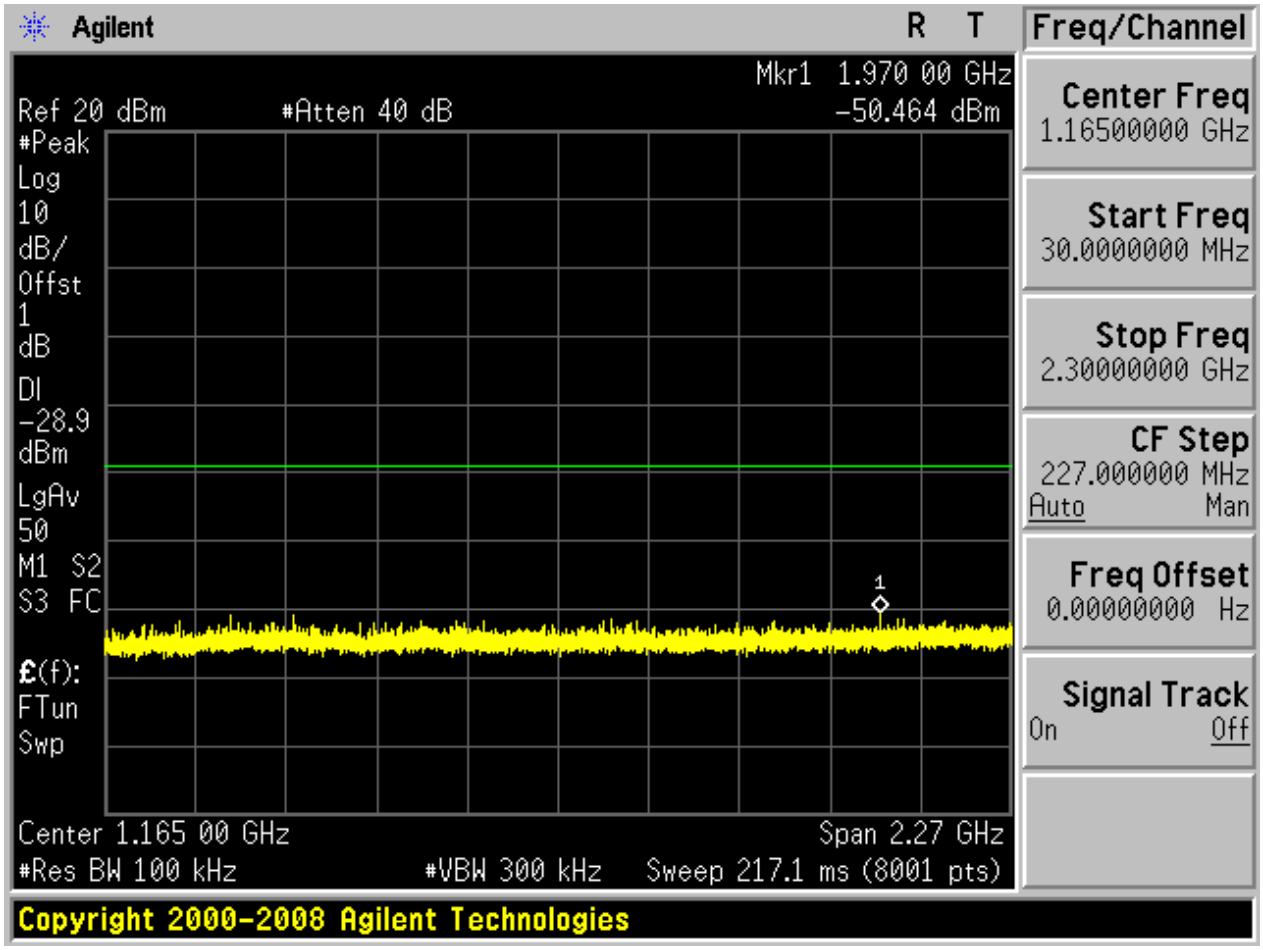

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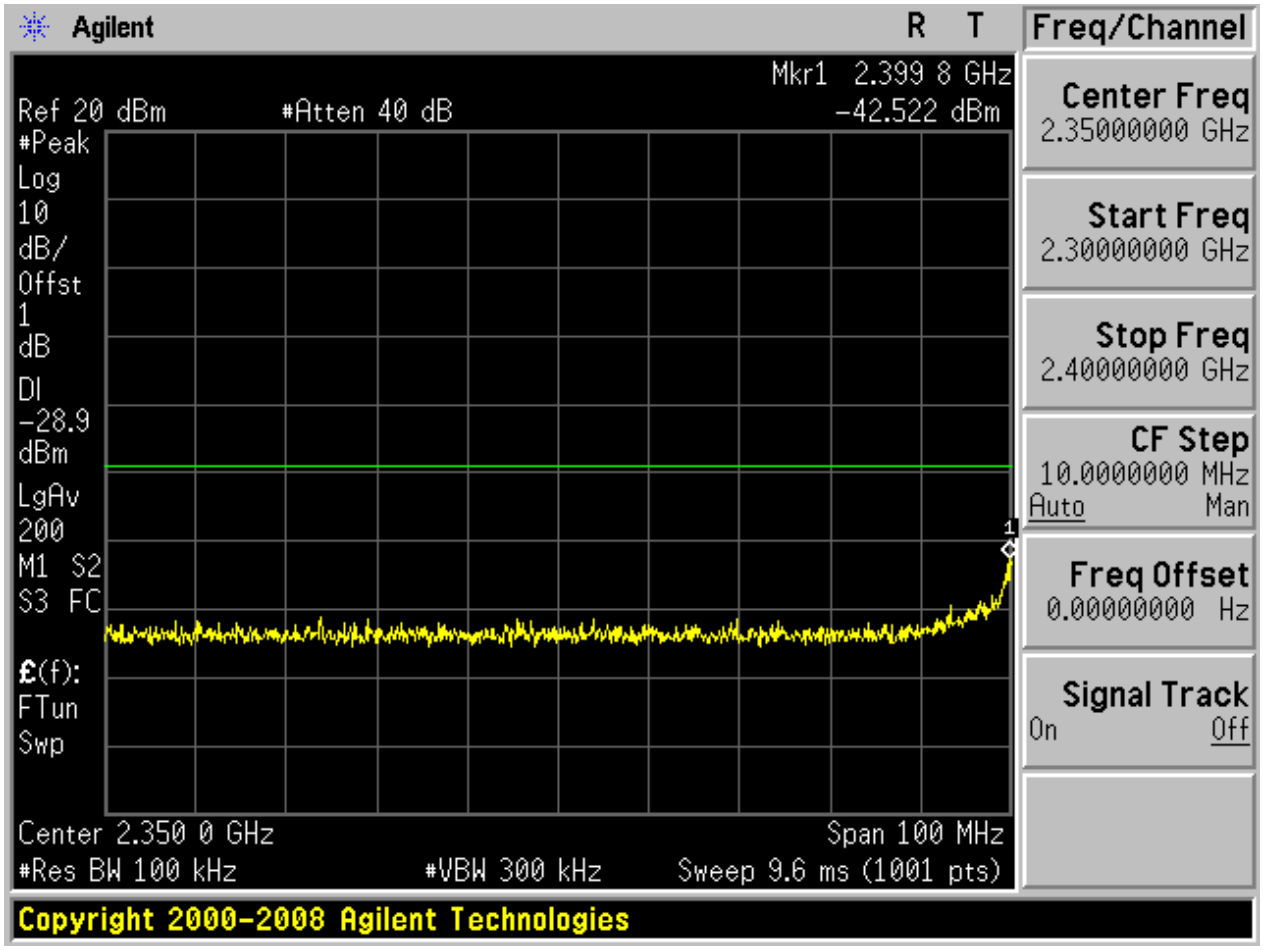

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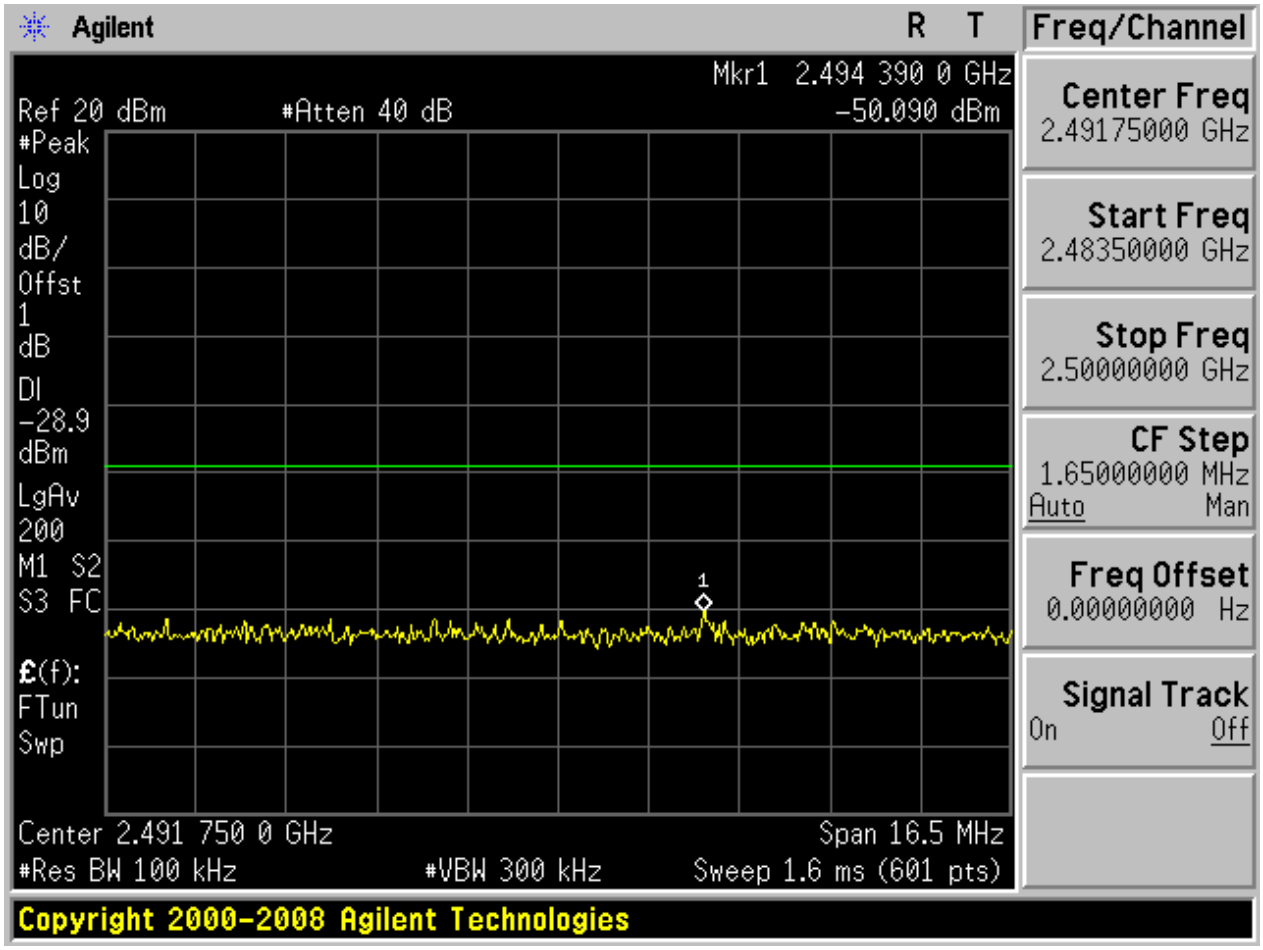

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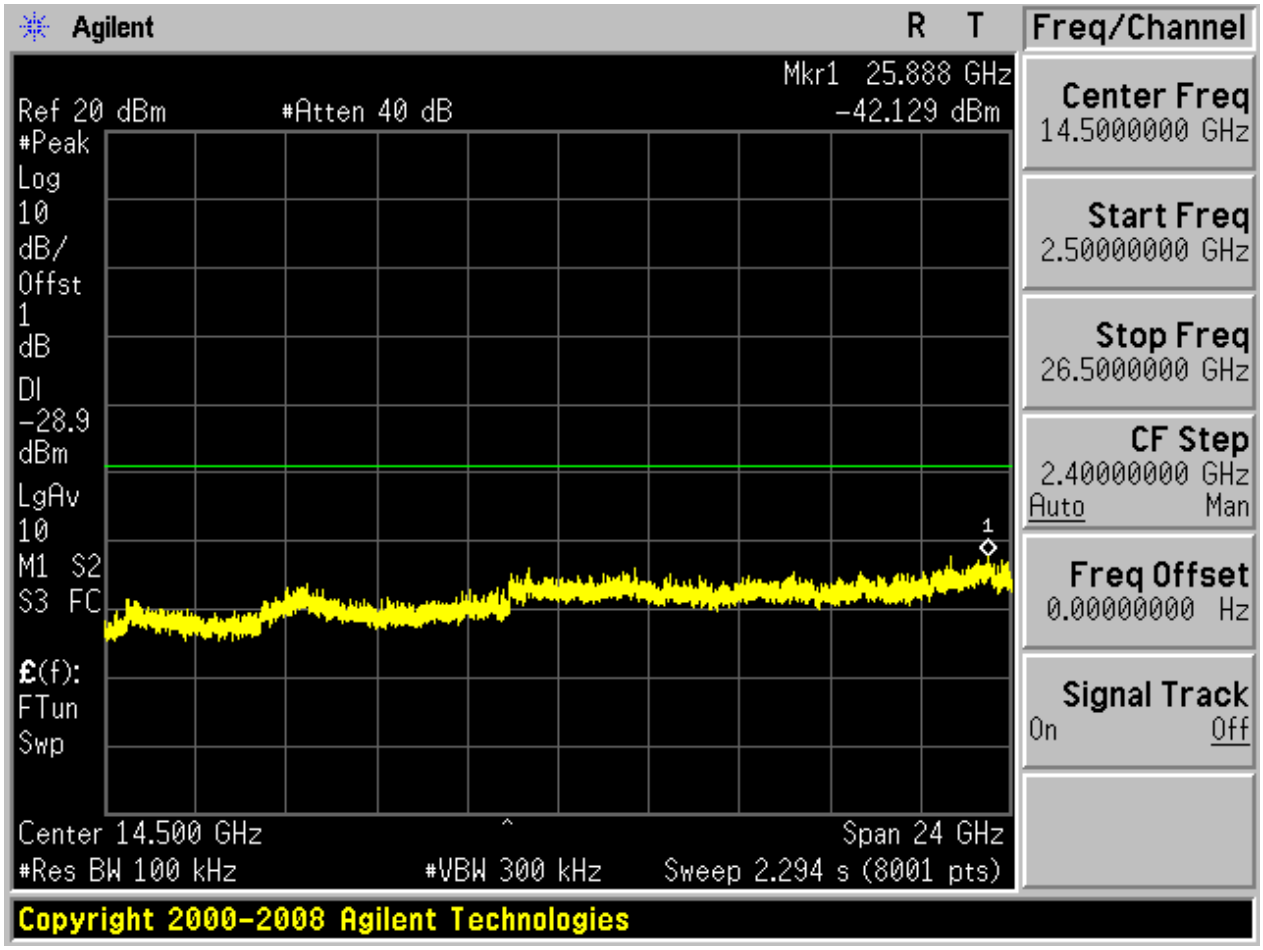

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2.9 11G_M@Ant 1

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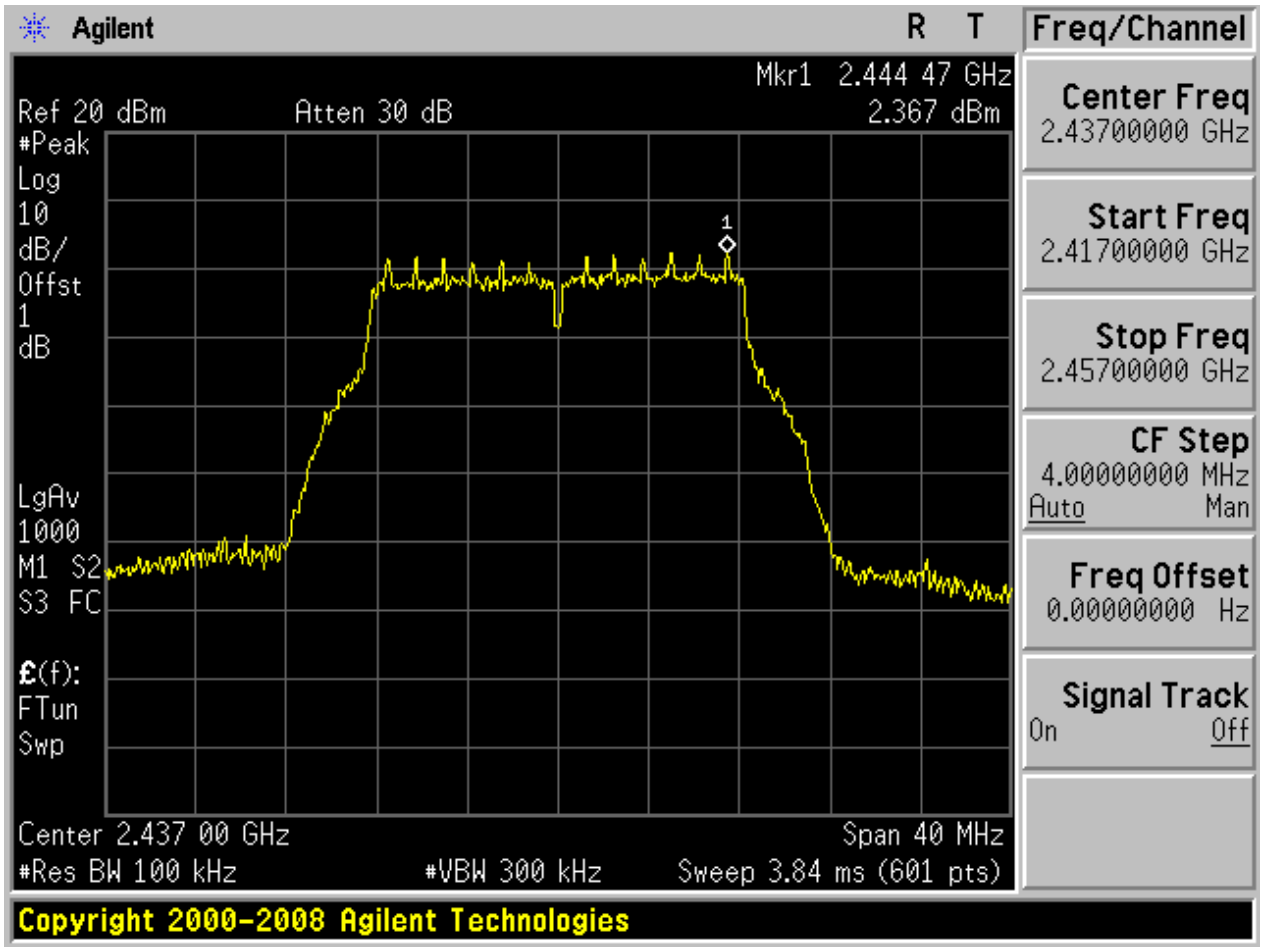

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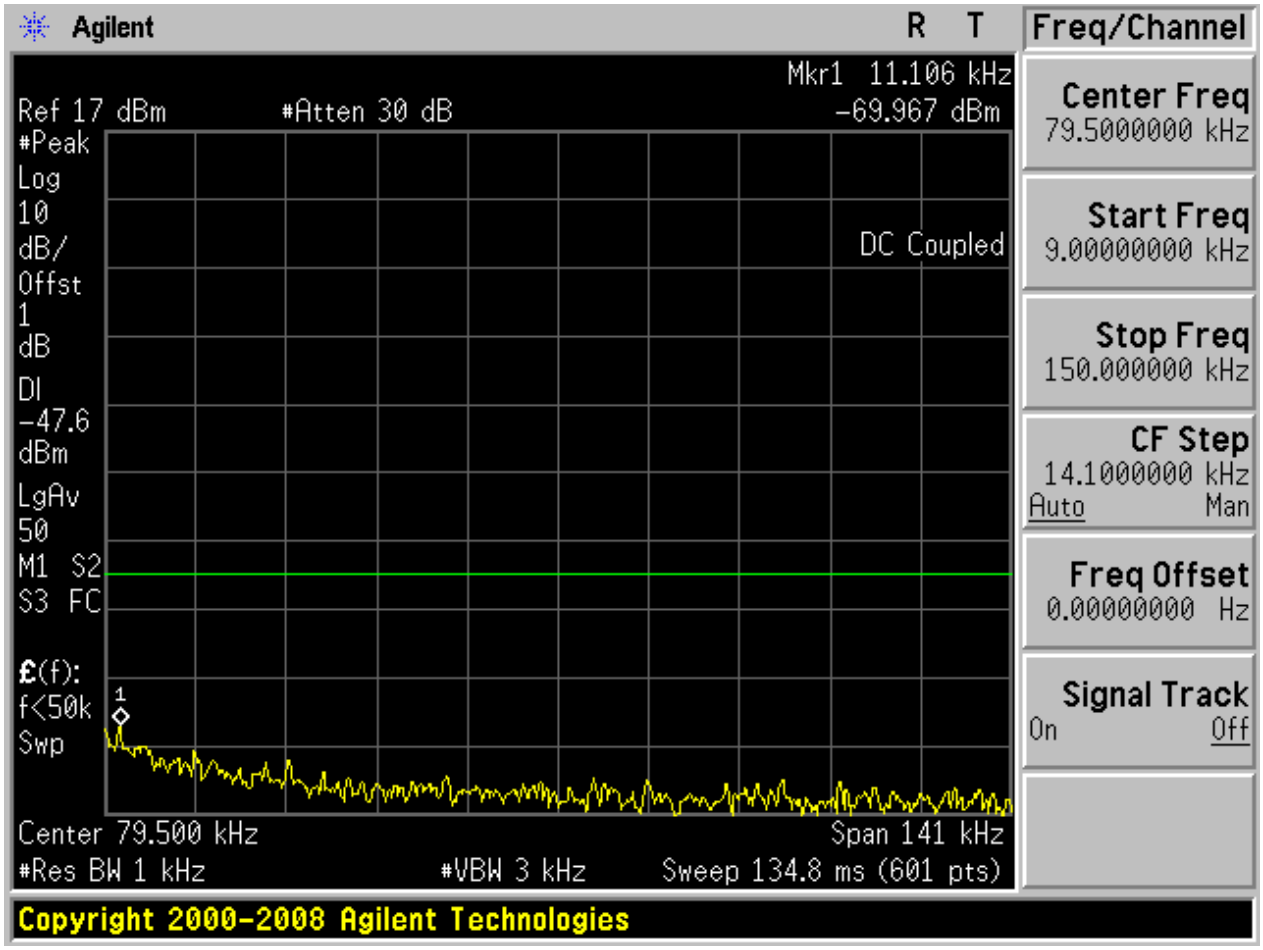

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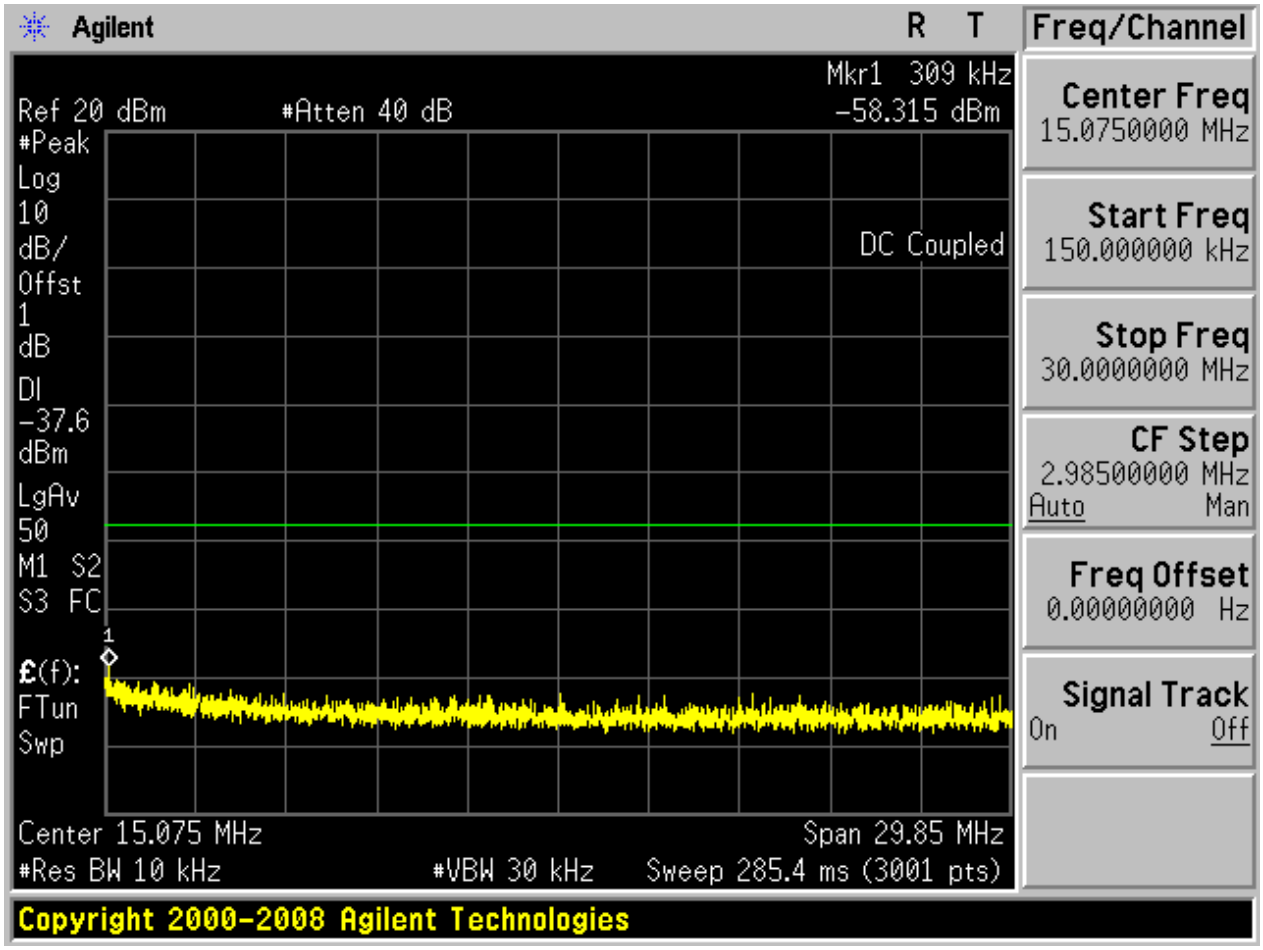

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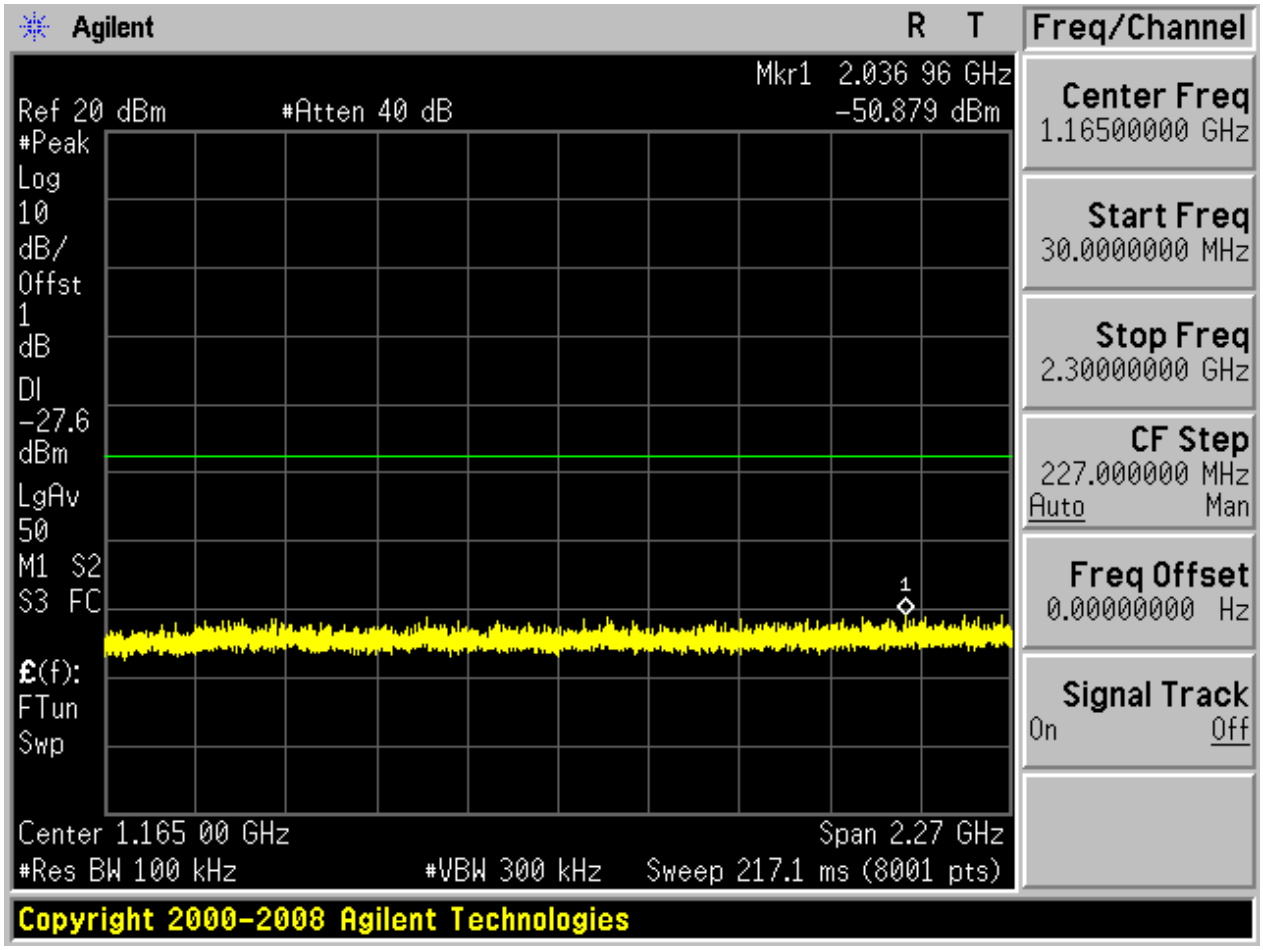

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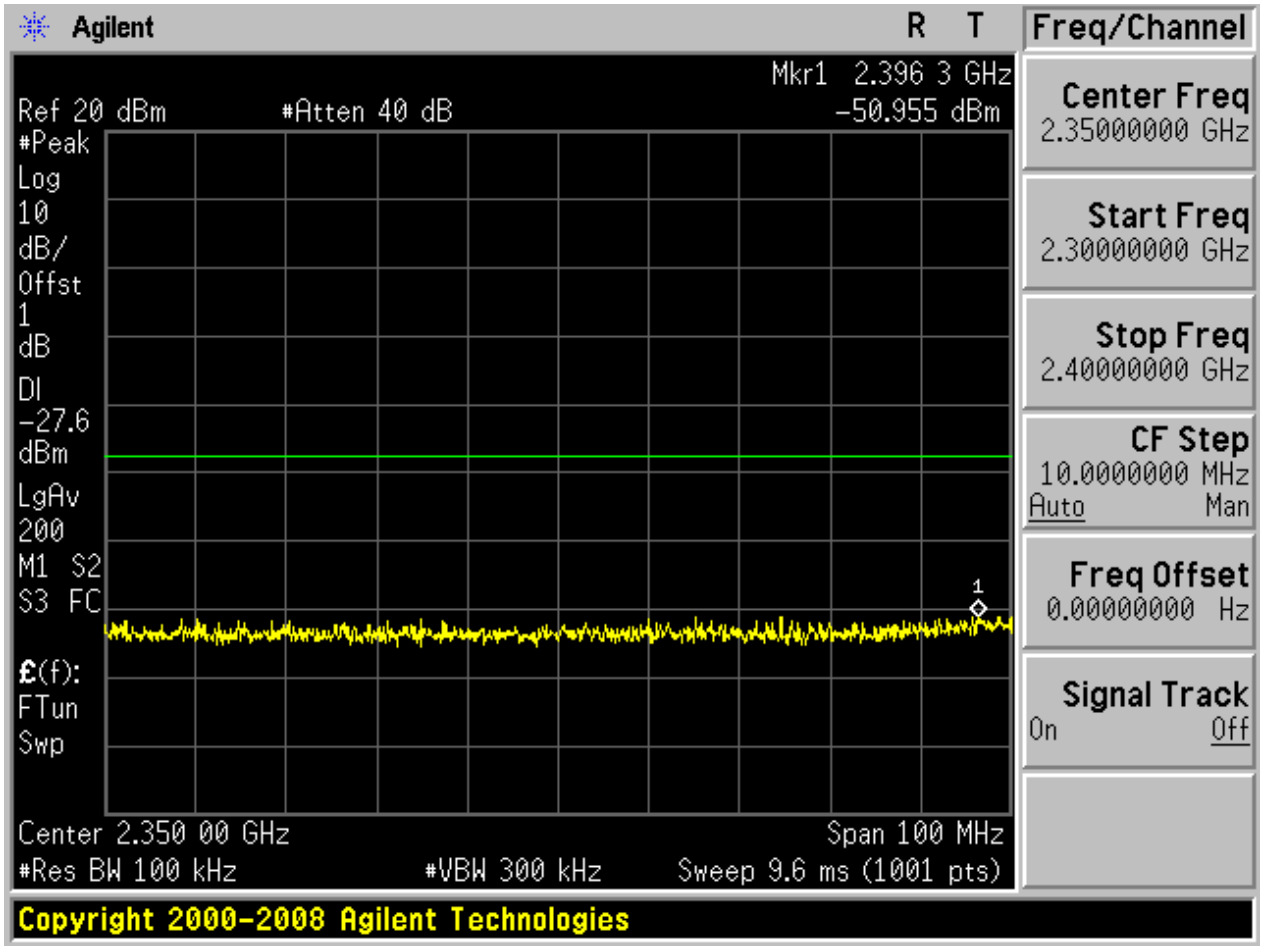

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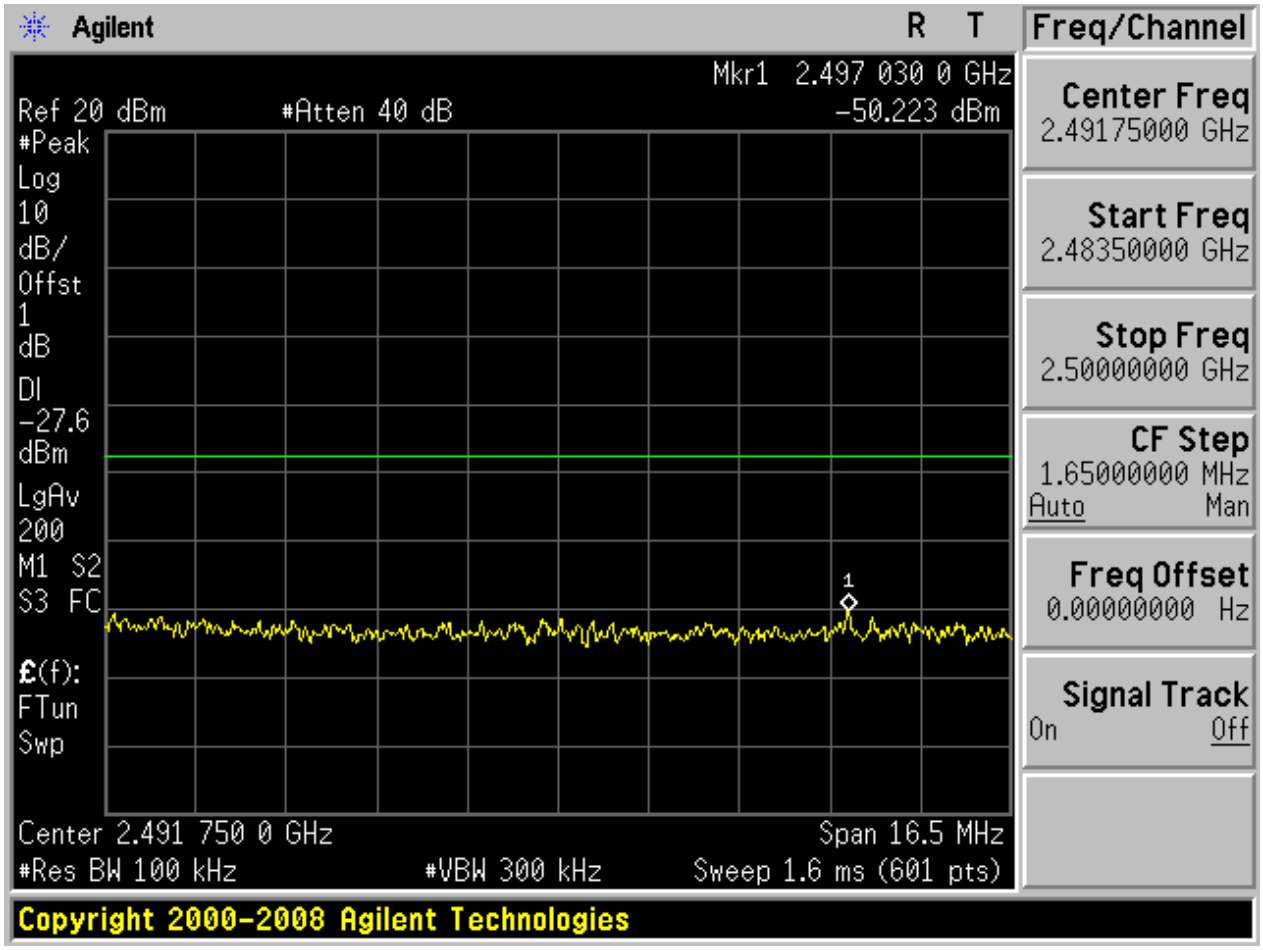

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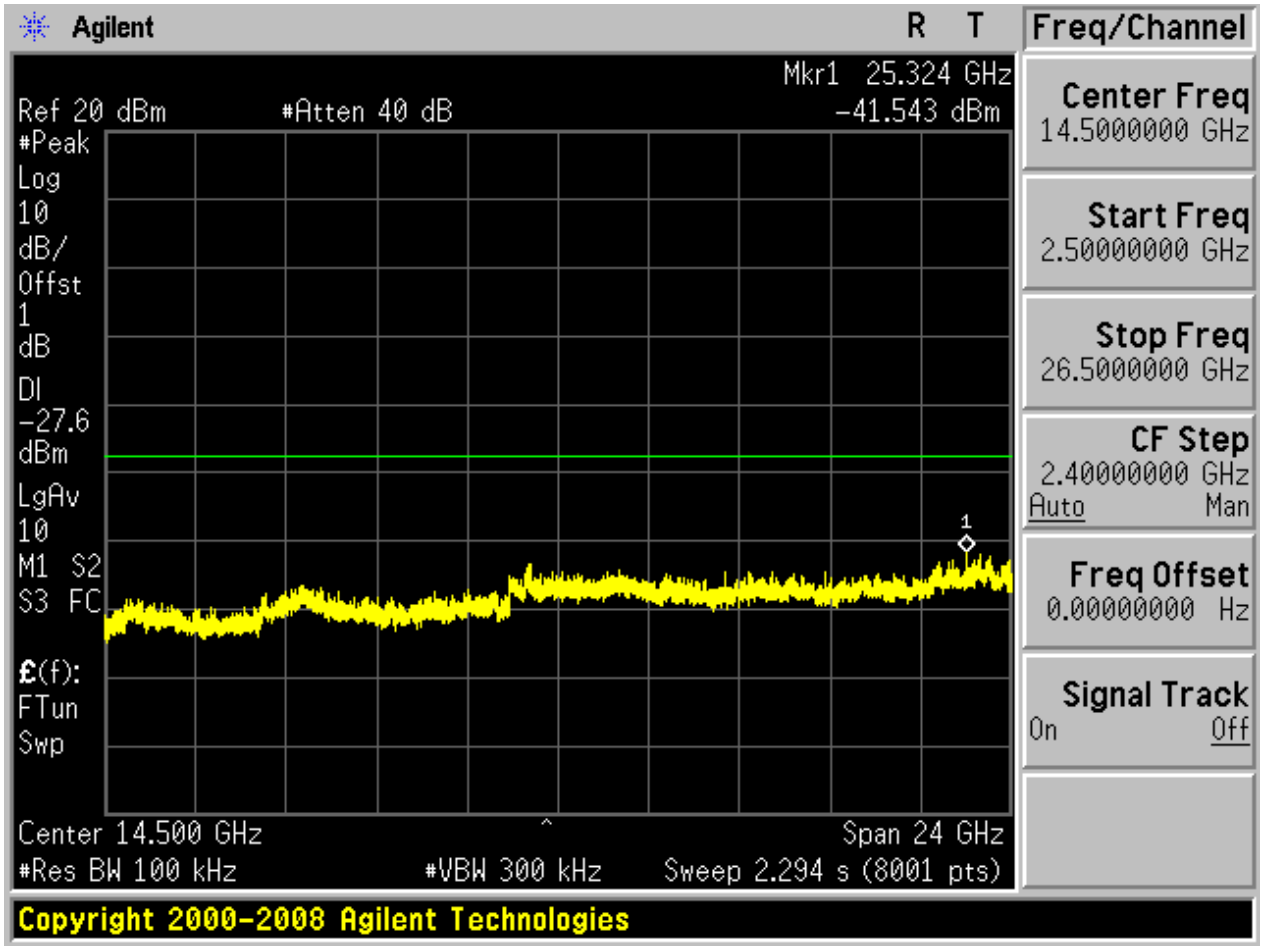

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2.10 11G_M@Ant 2

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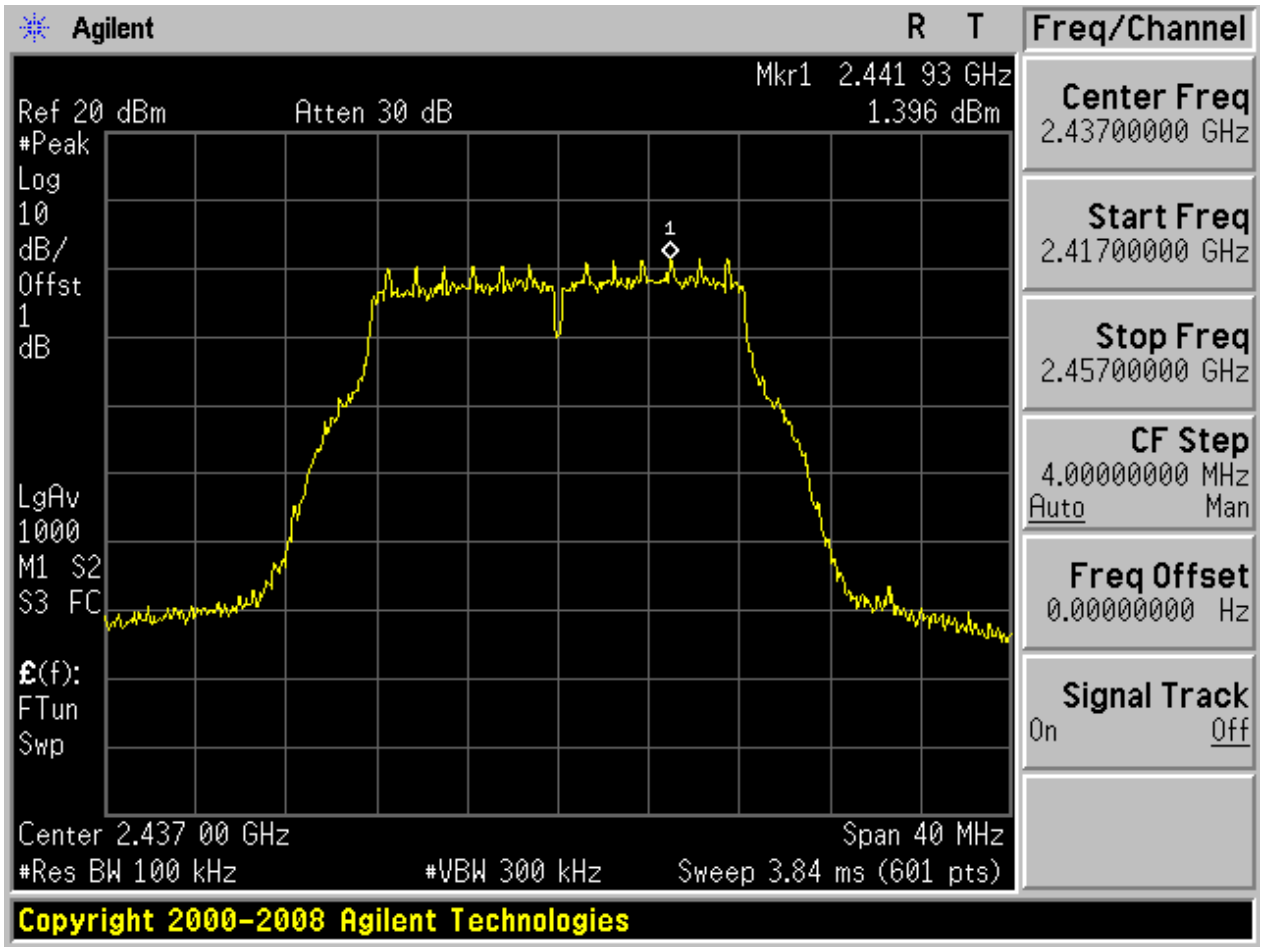

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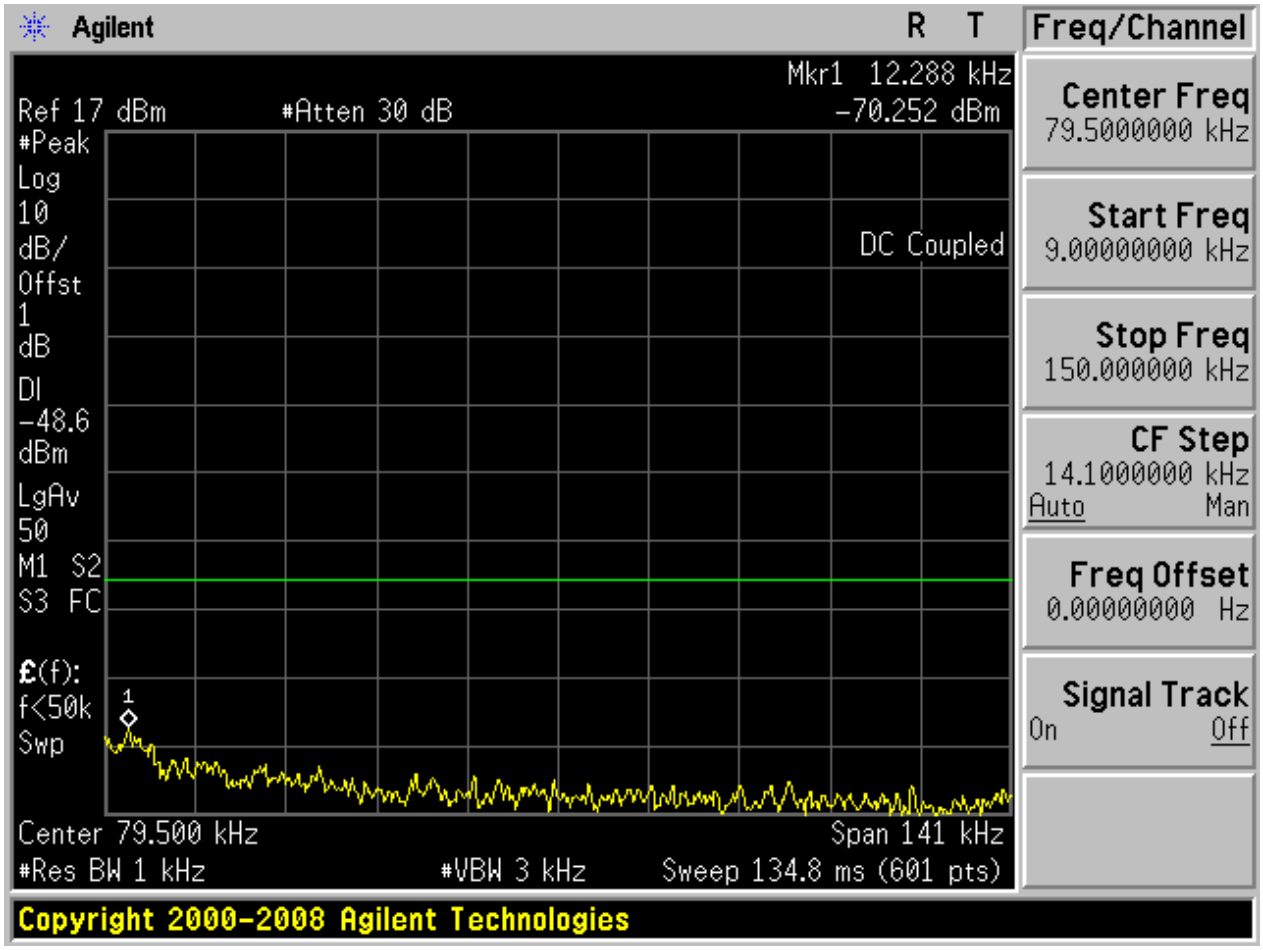

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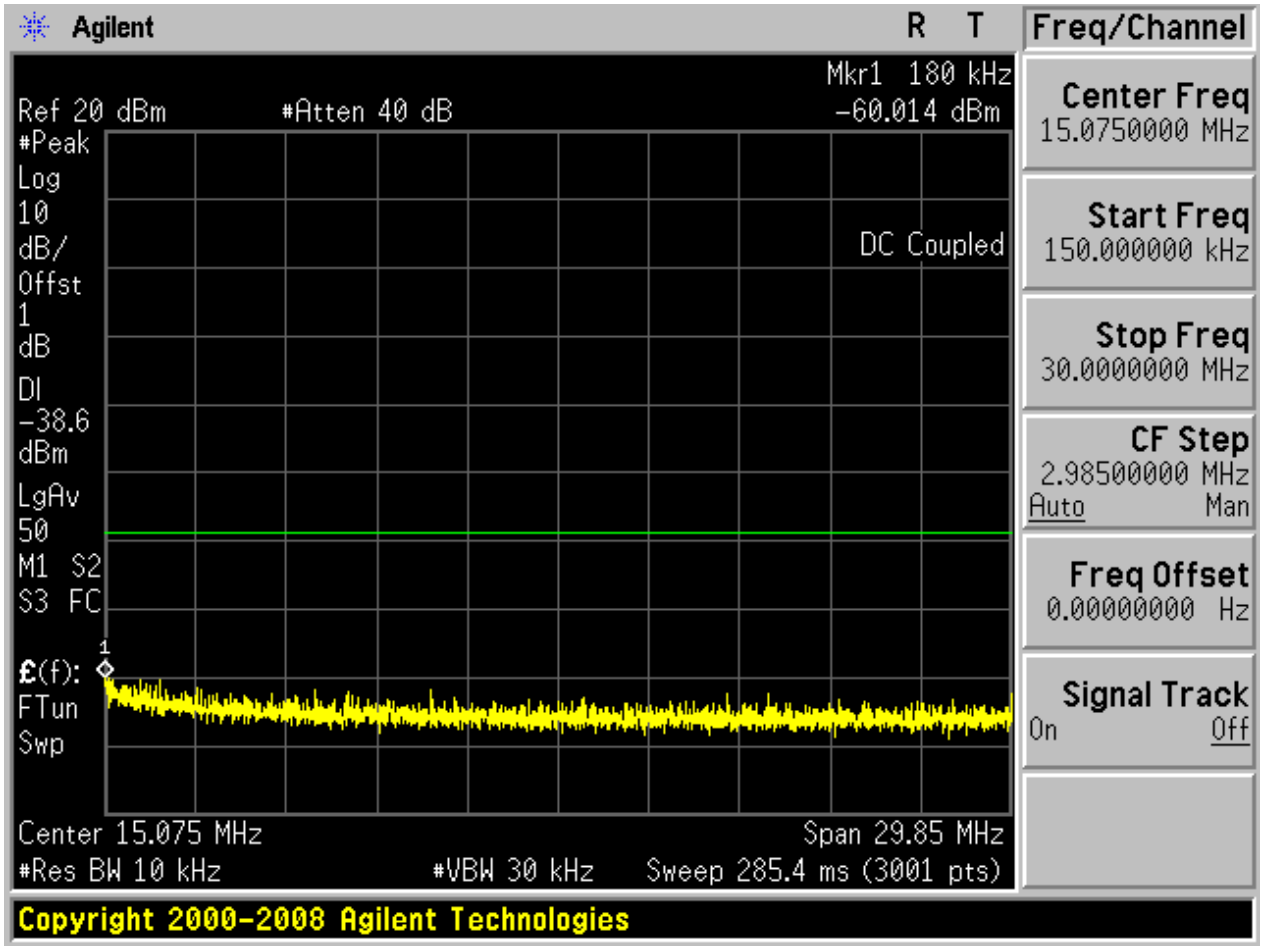

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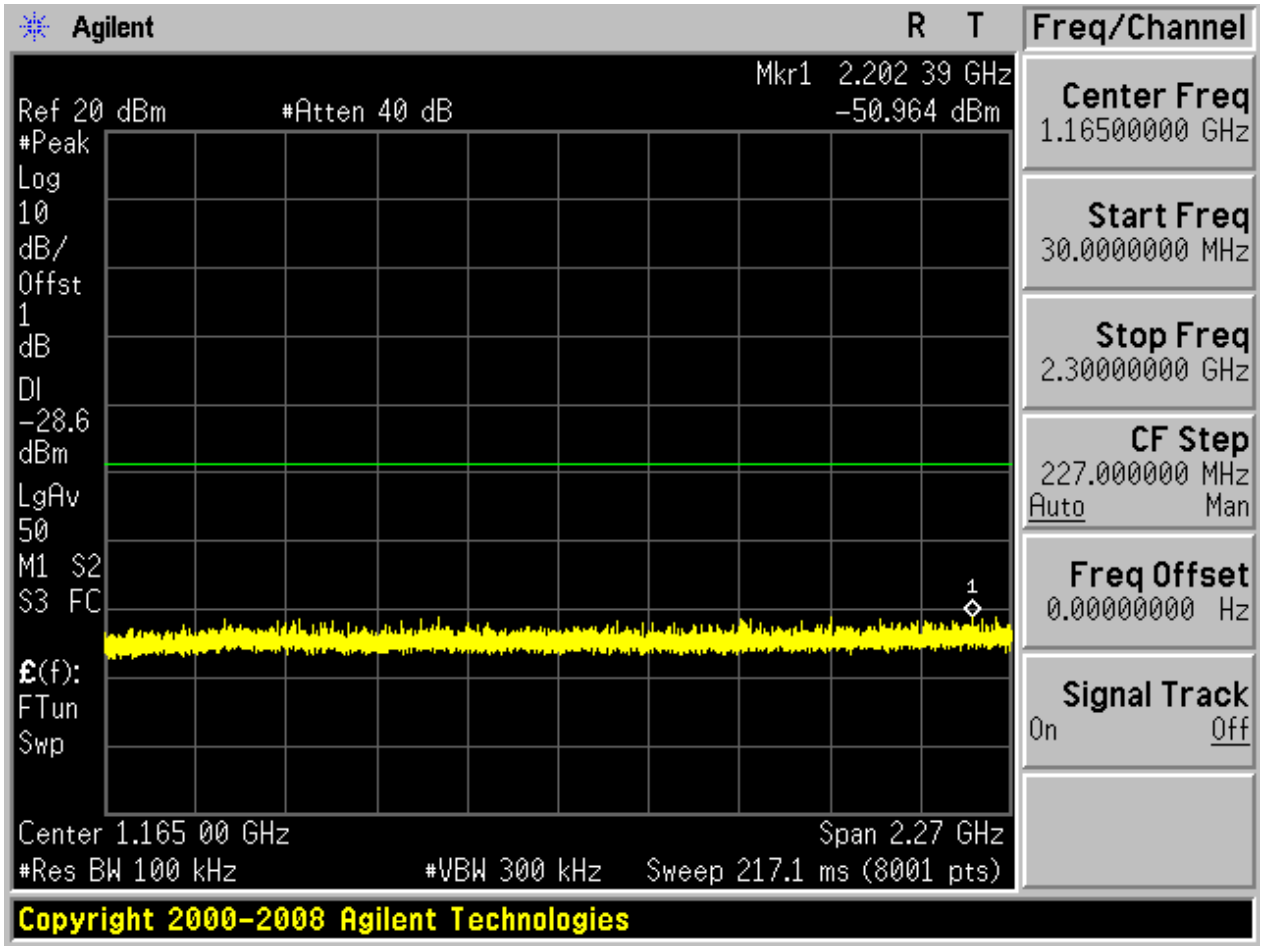

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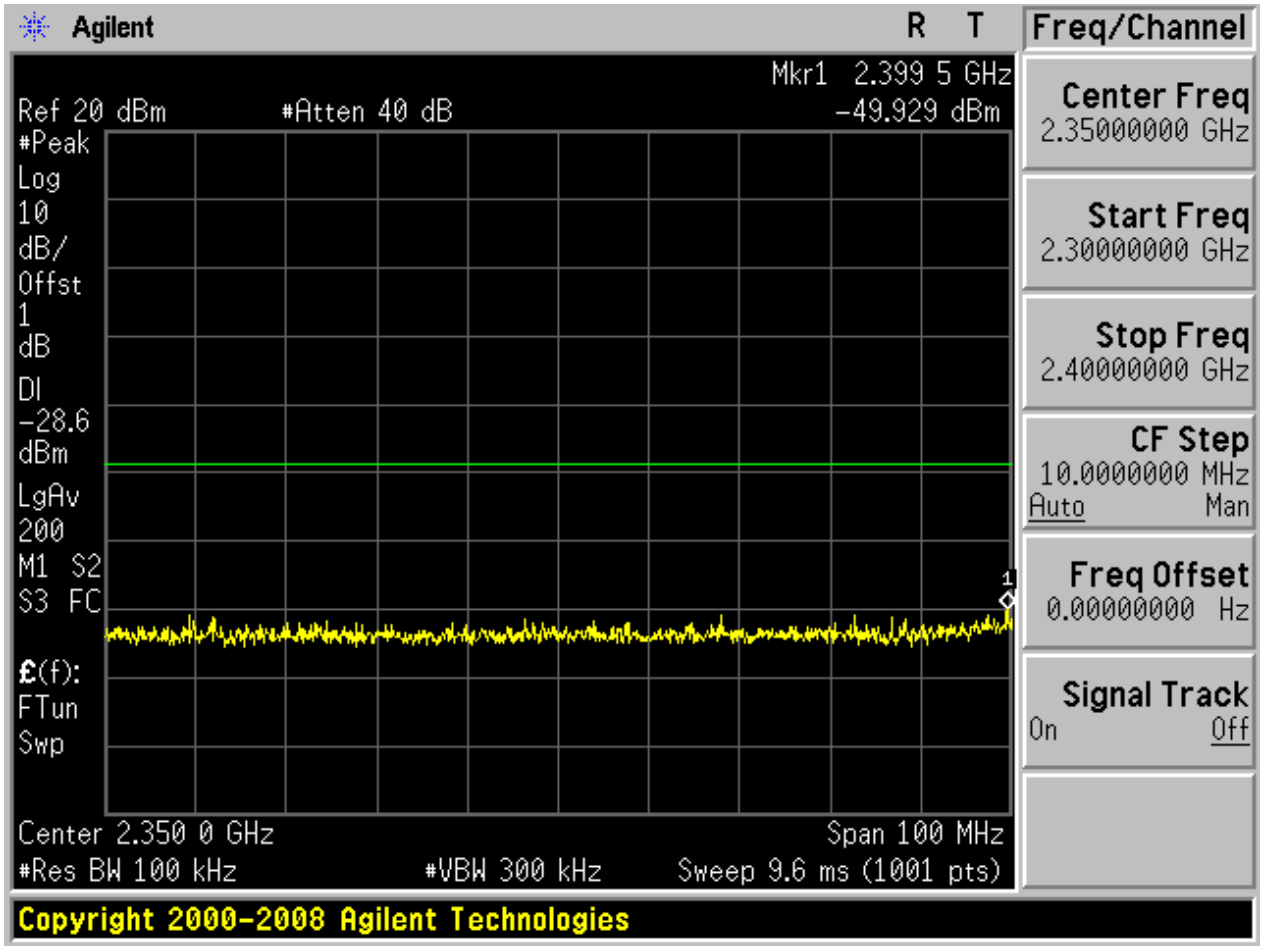

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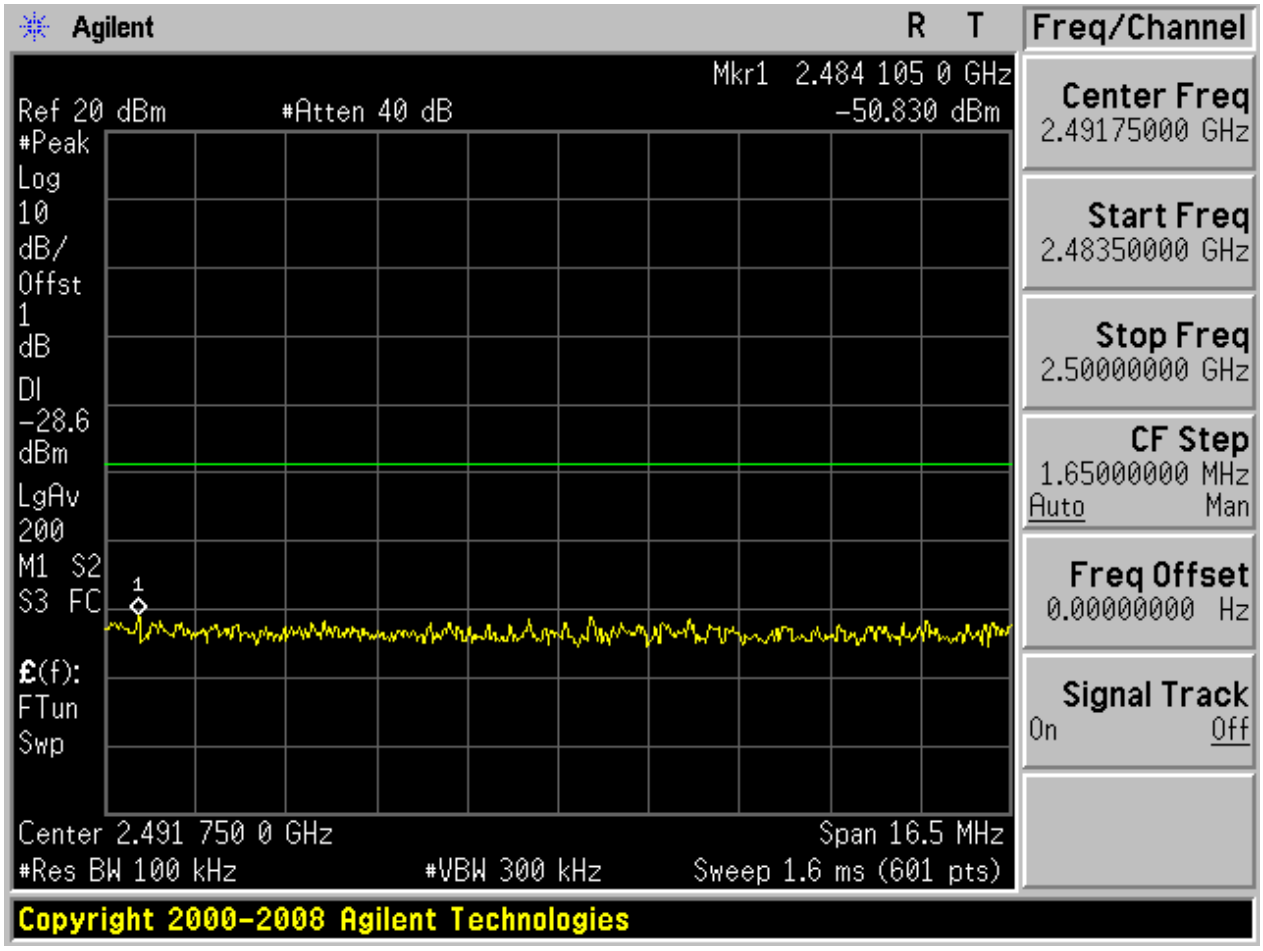

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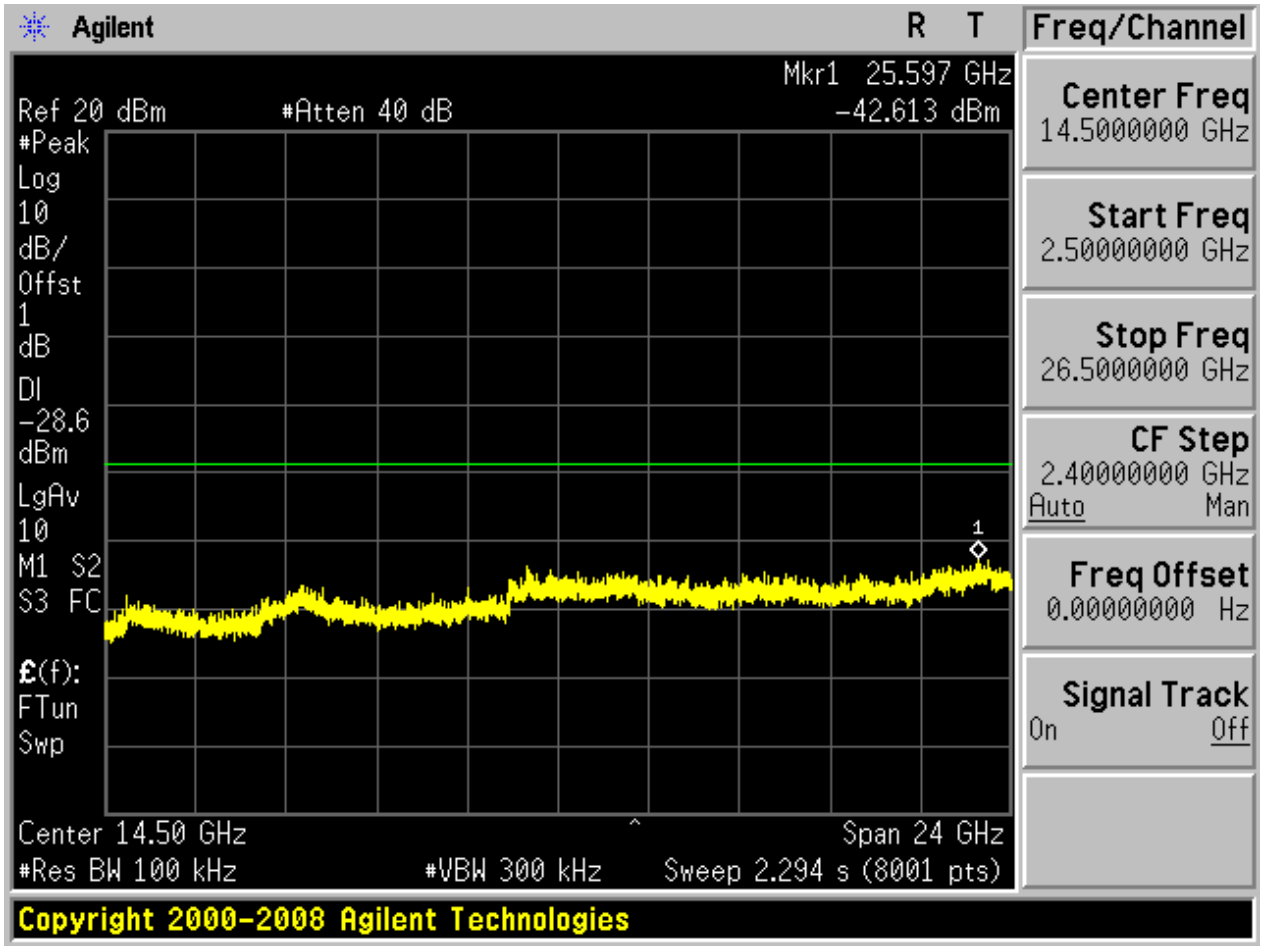

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2.11 11G_H@Ant 1

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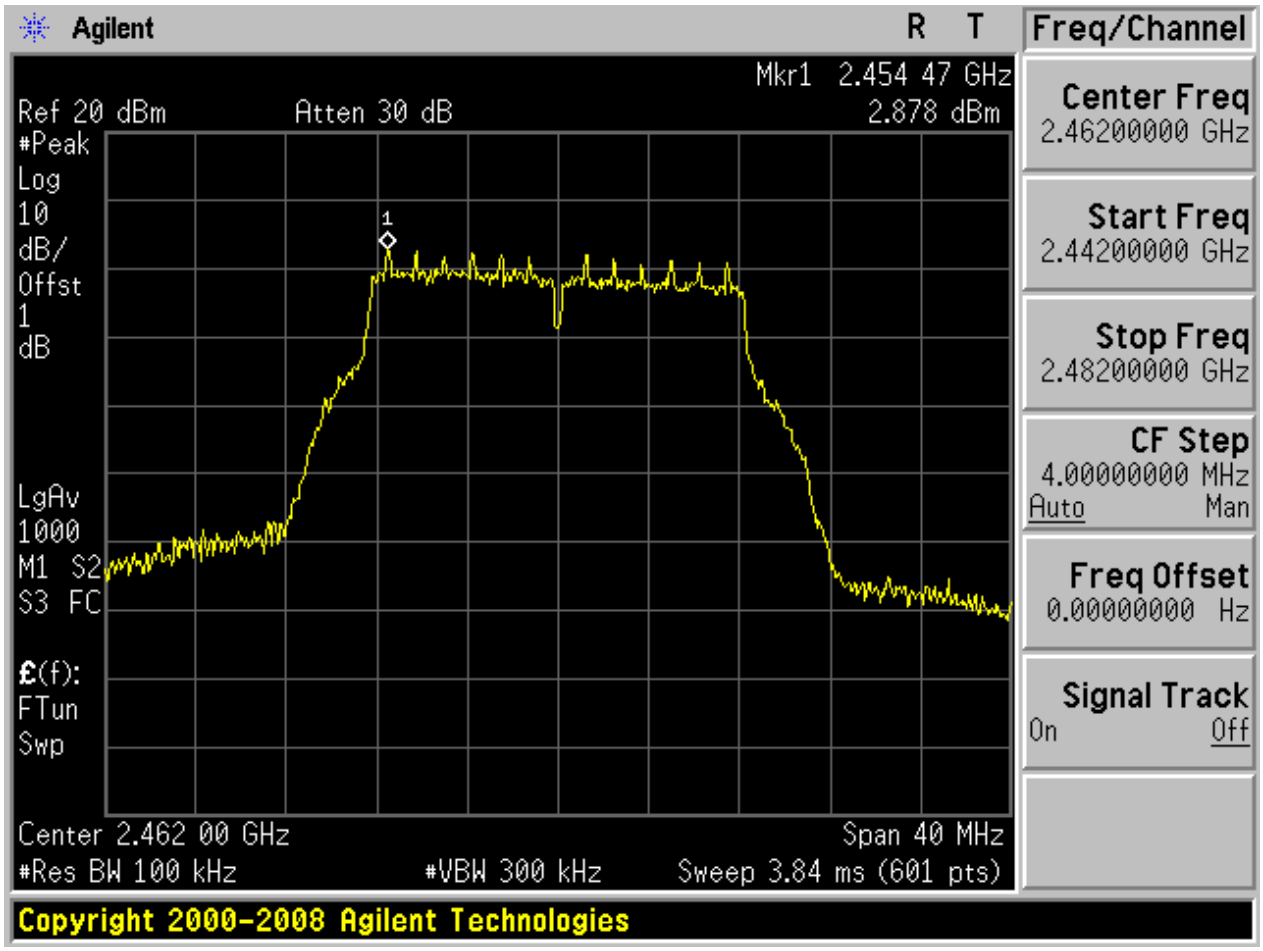

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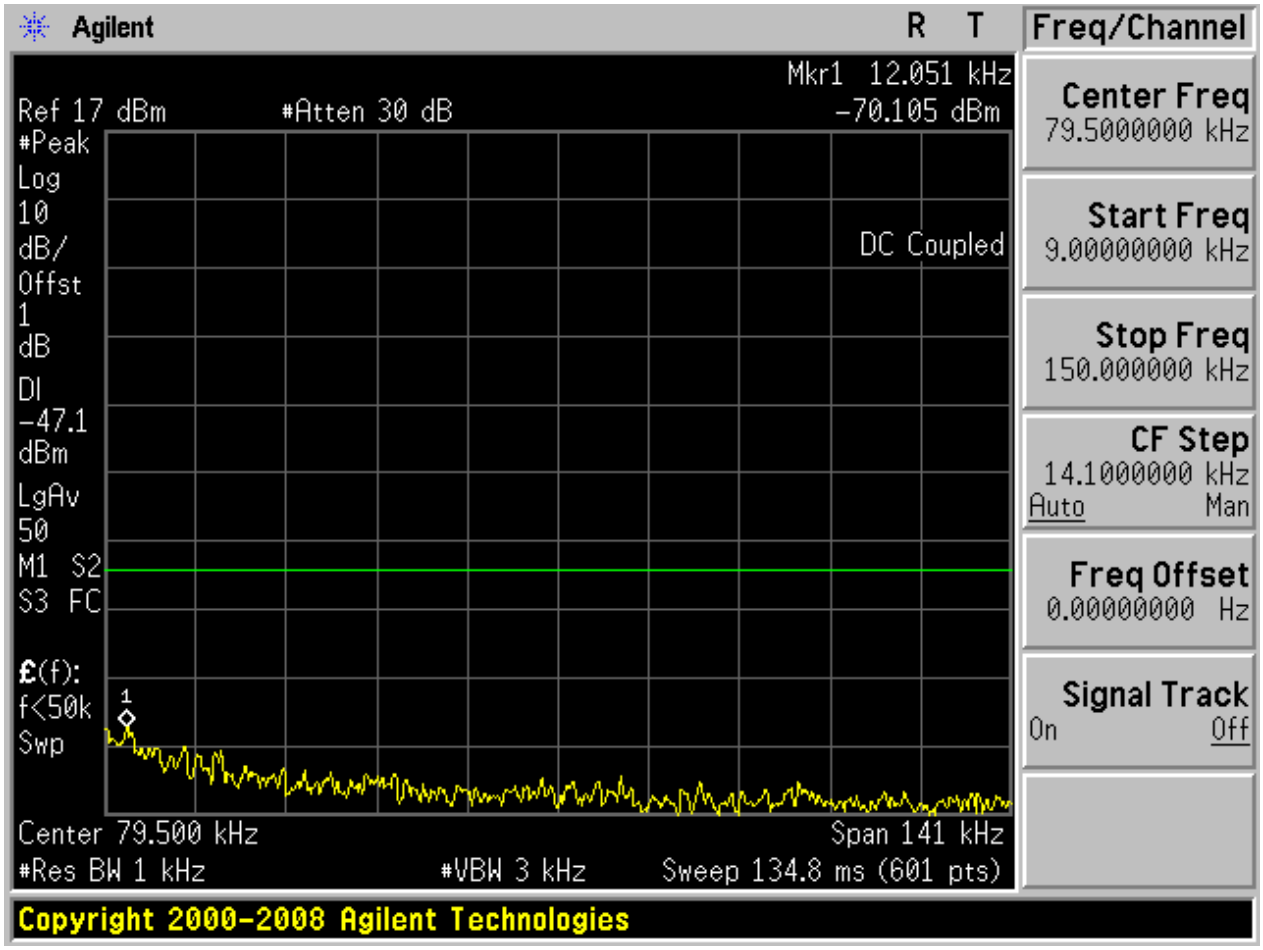

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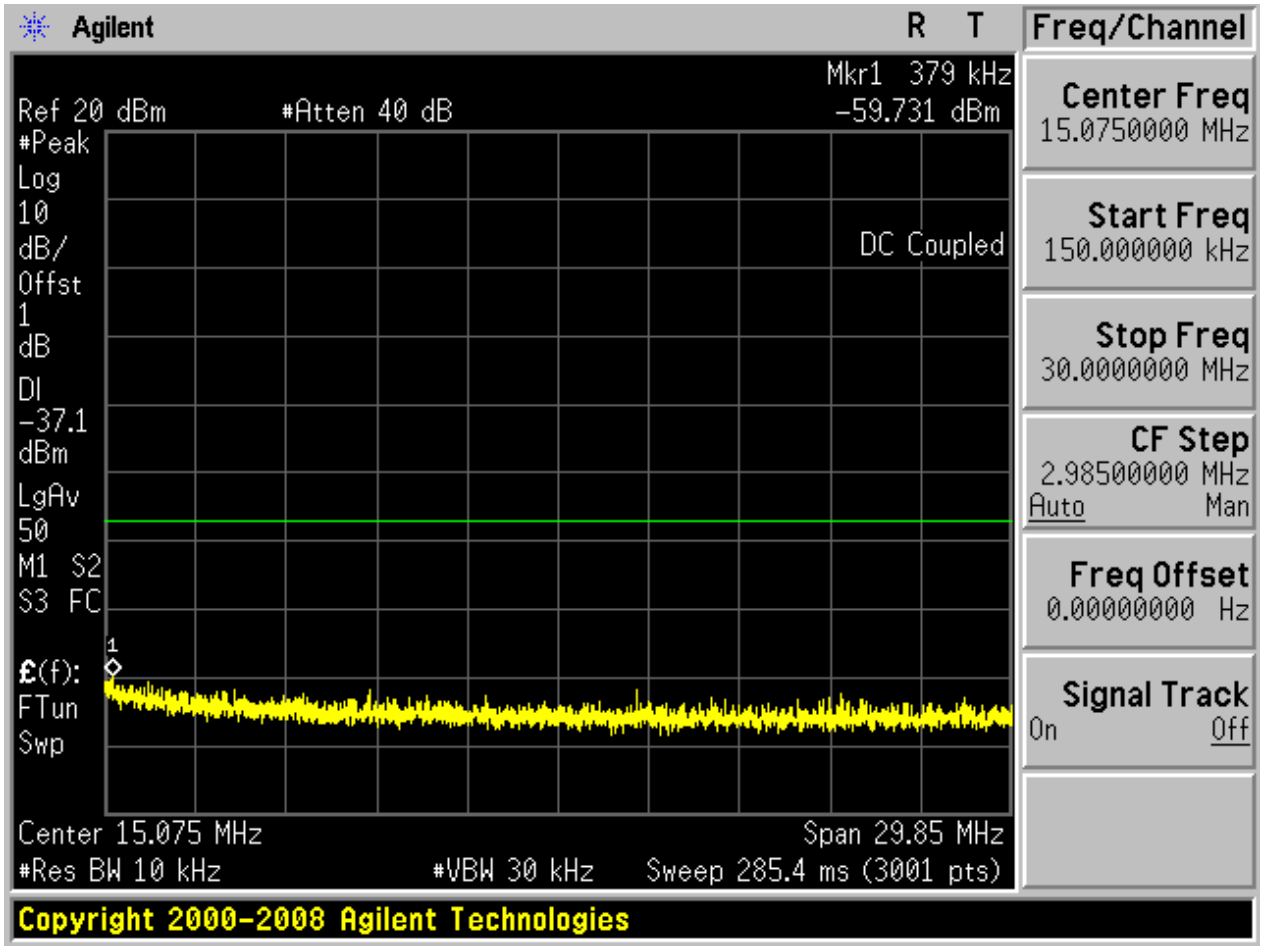

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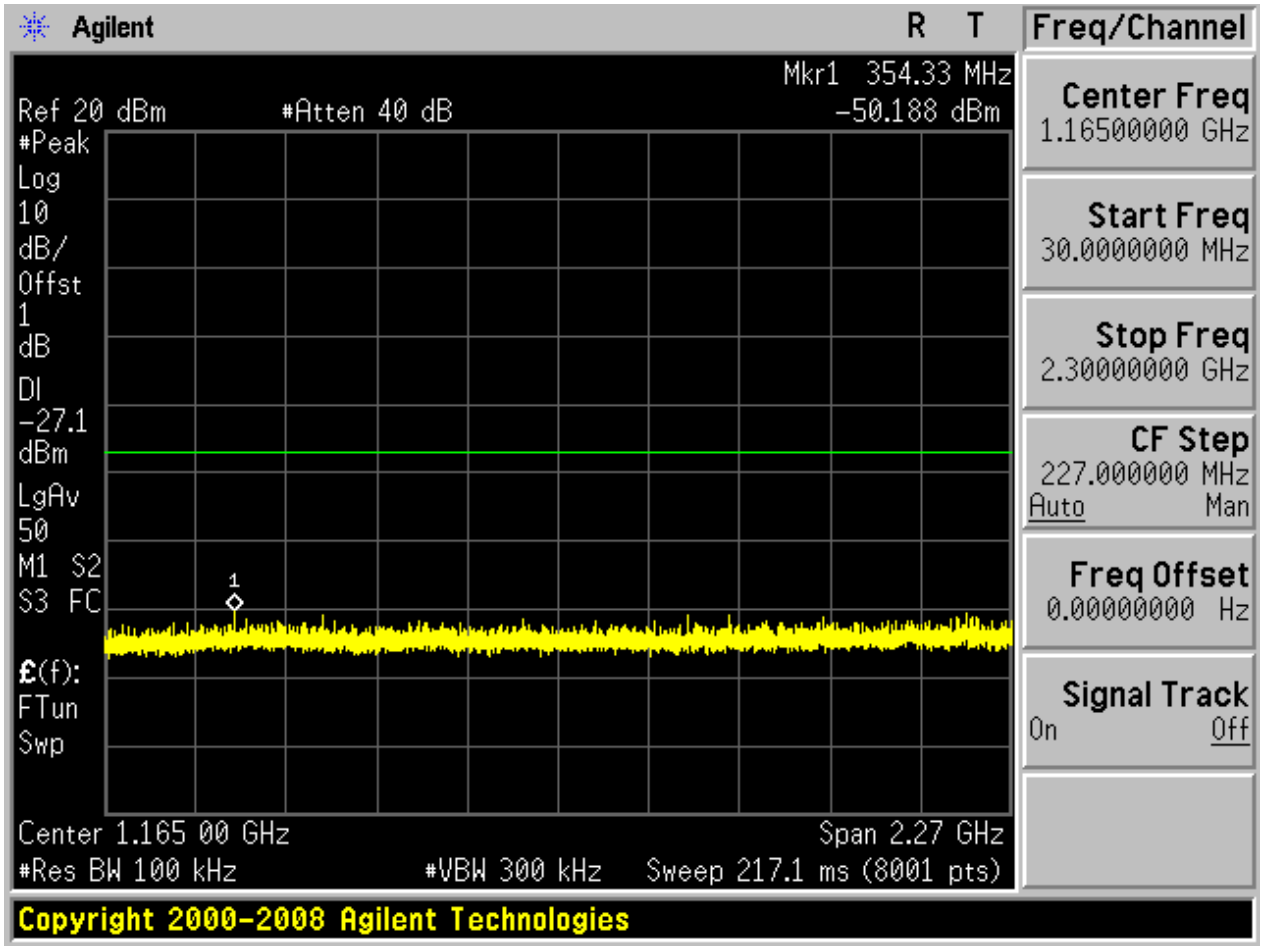

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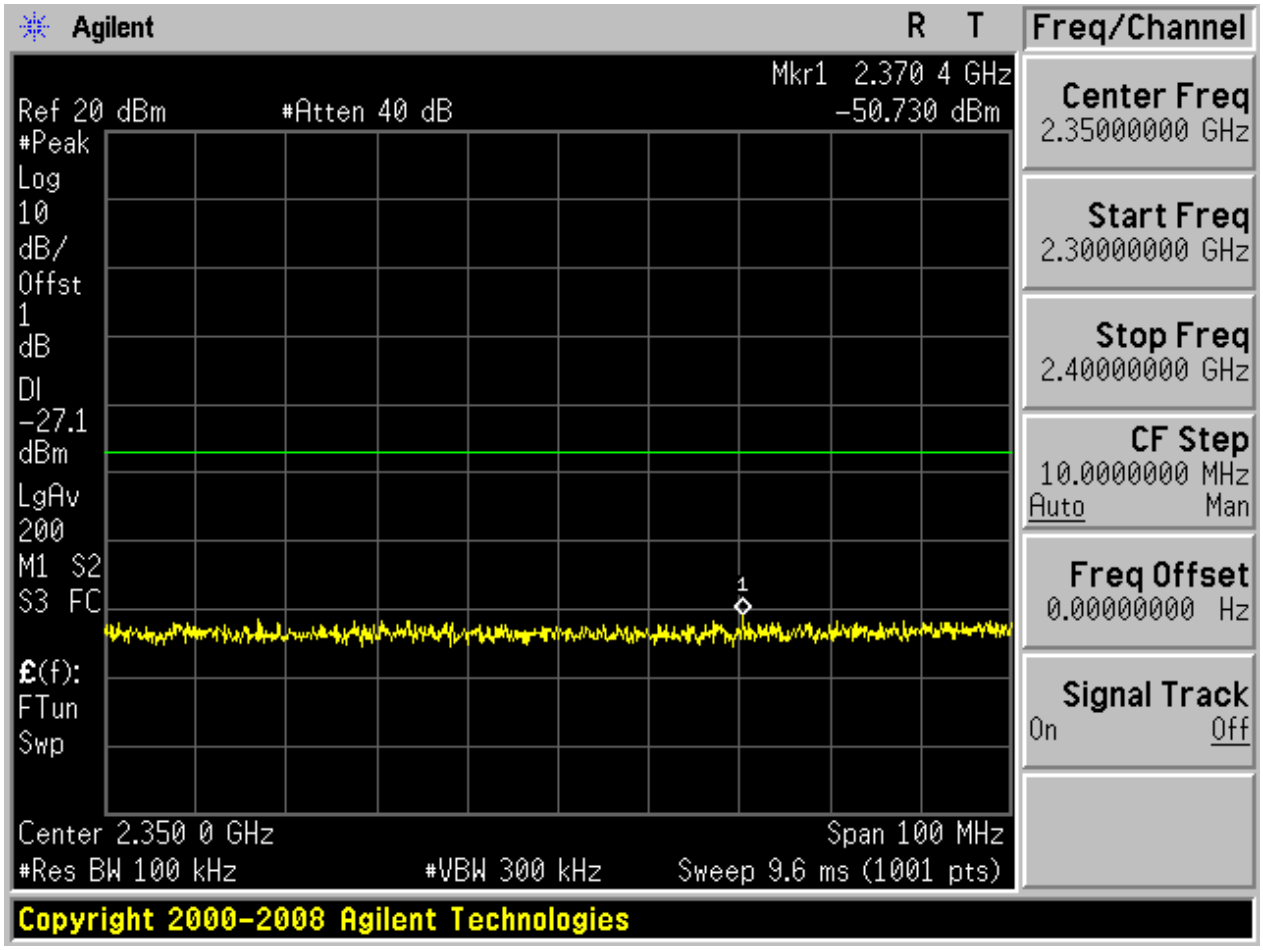

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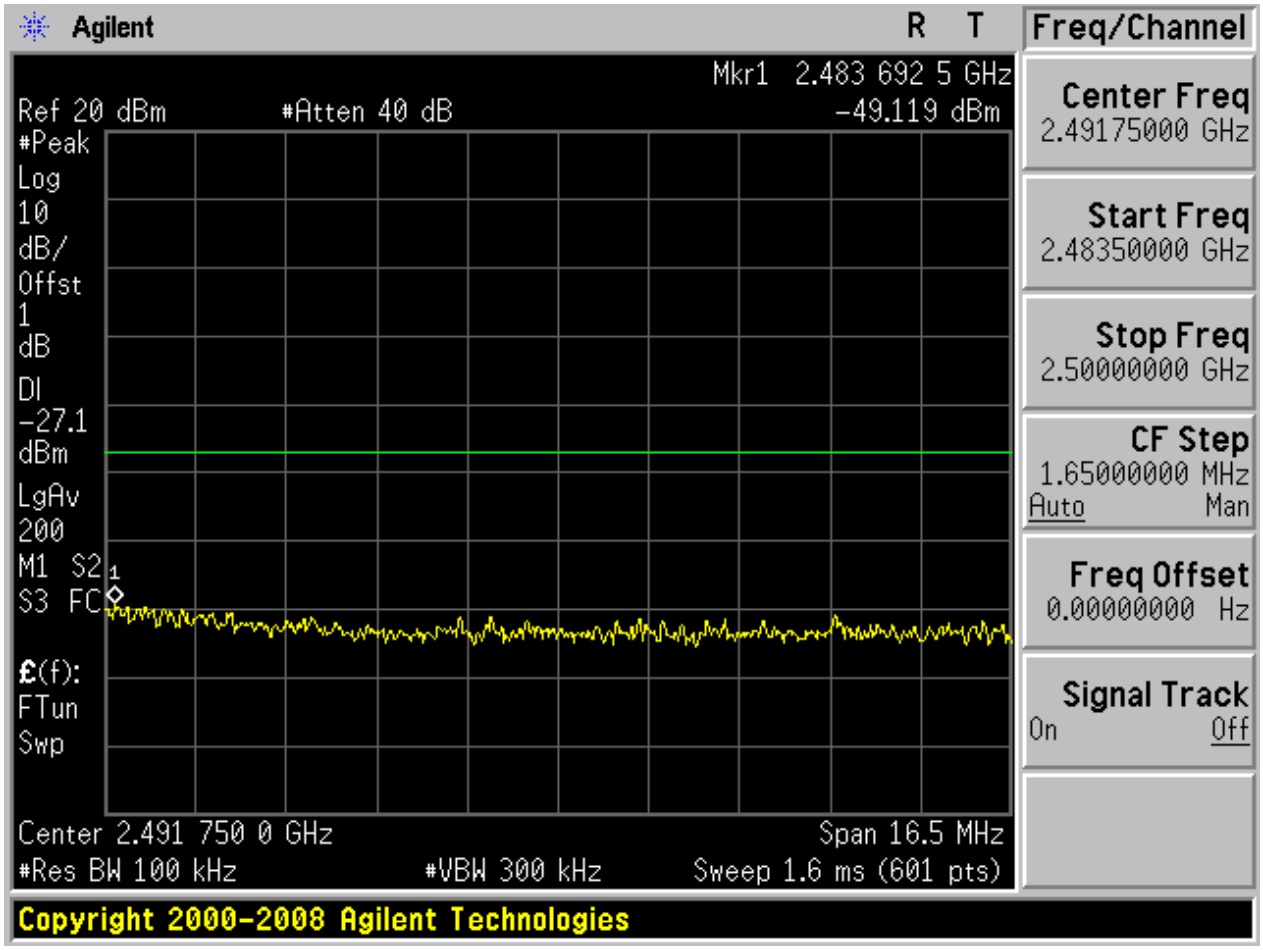

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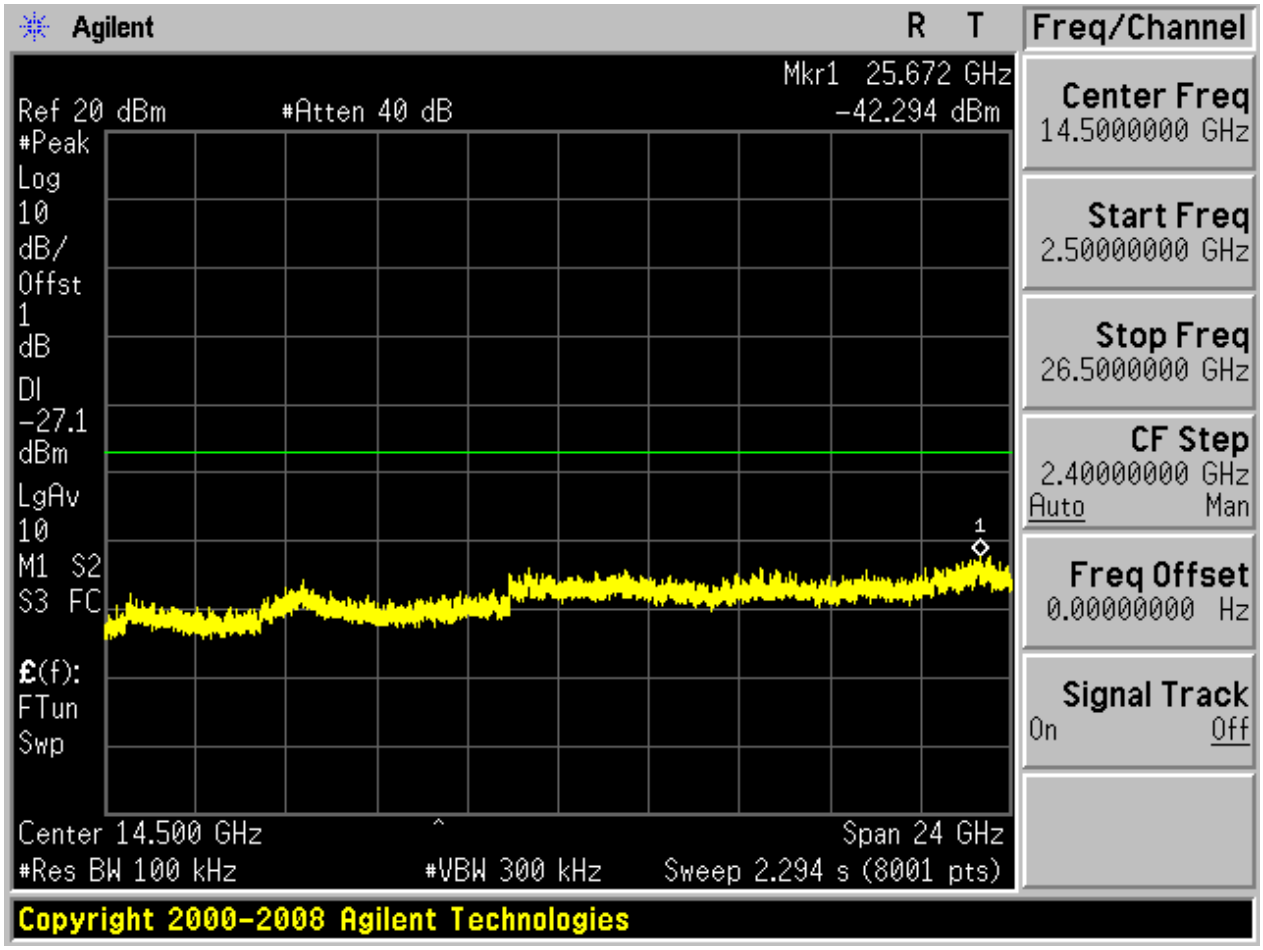

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2.12 11G_H@Ant 2

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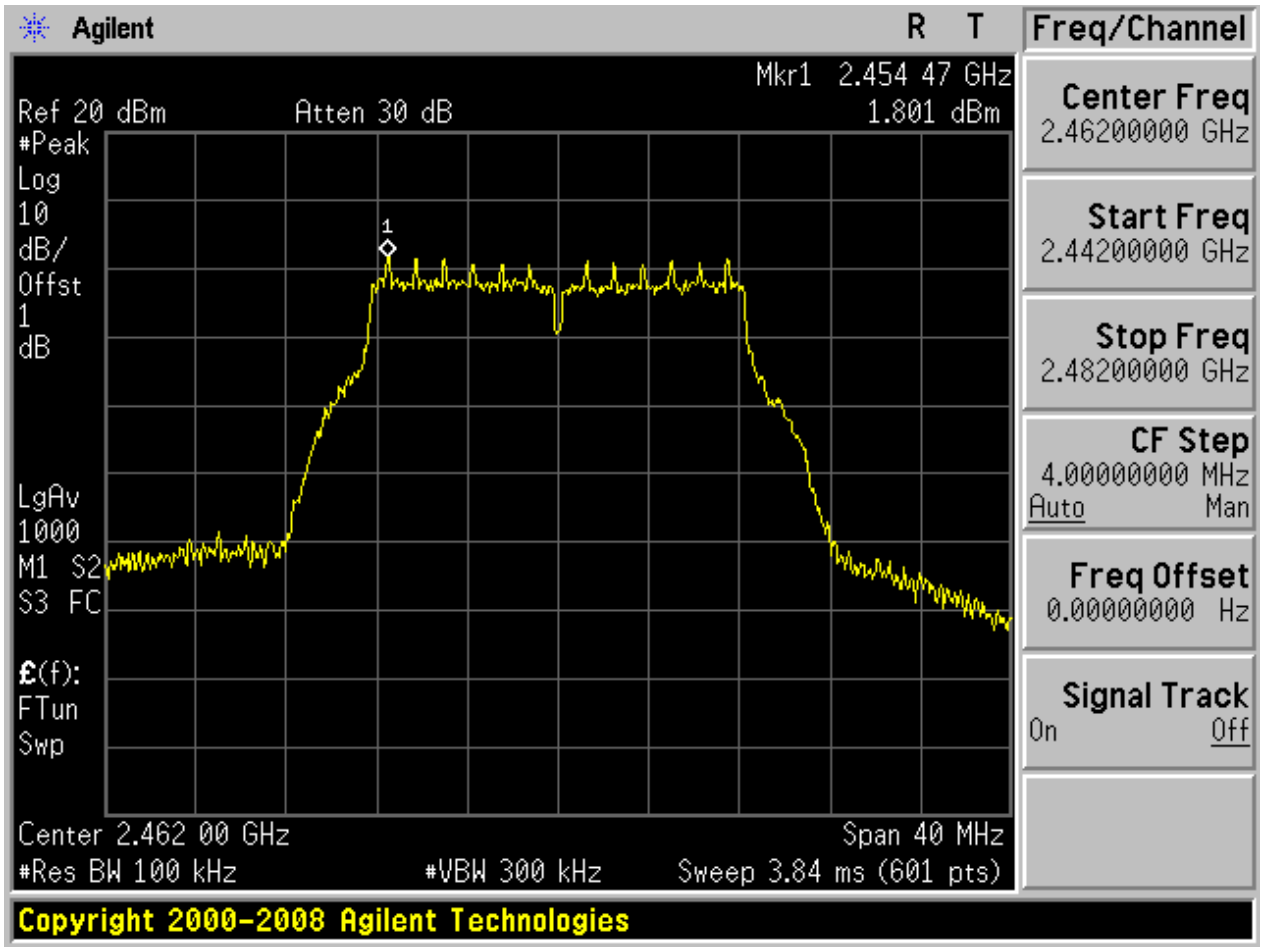

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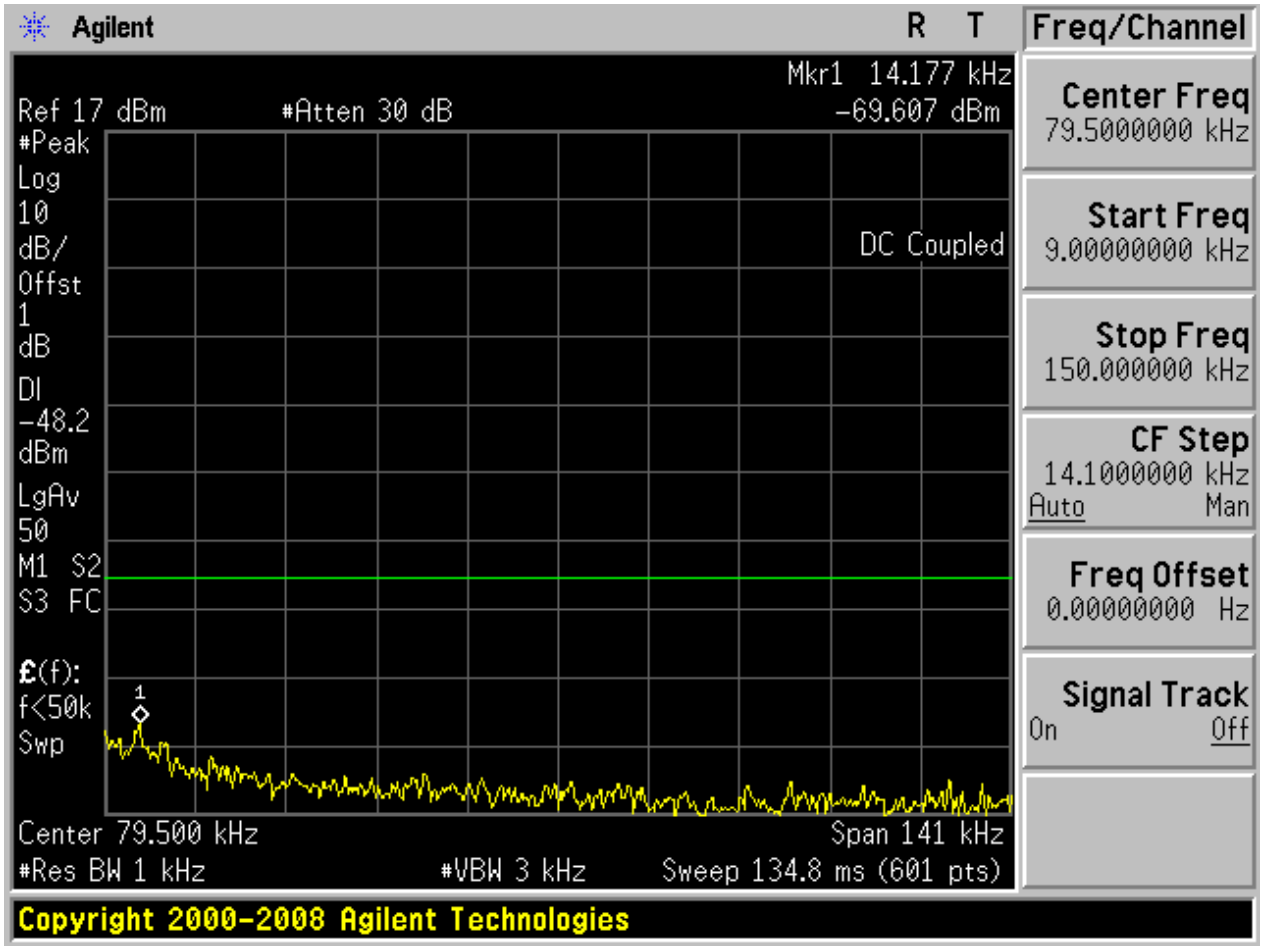

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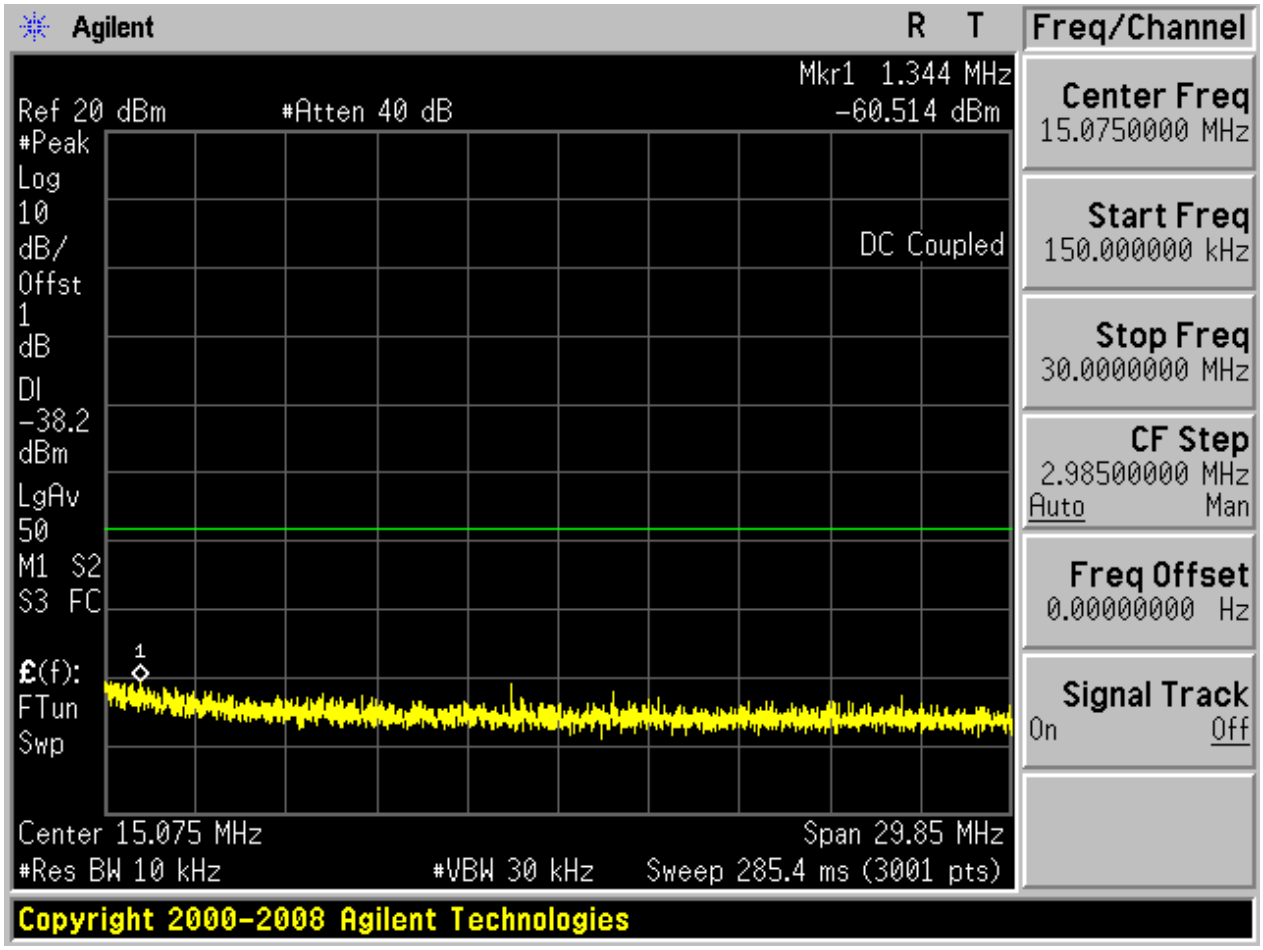

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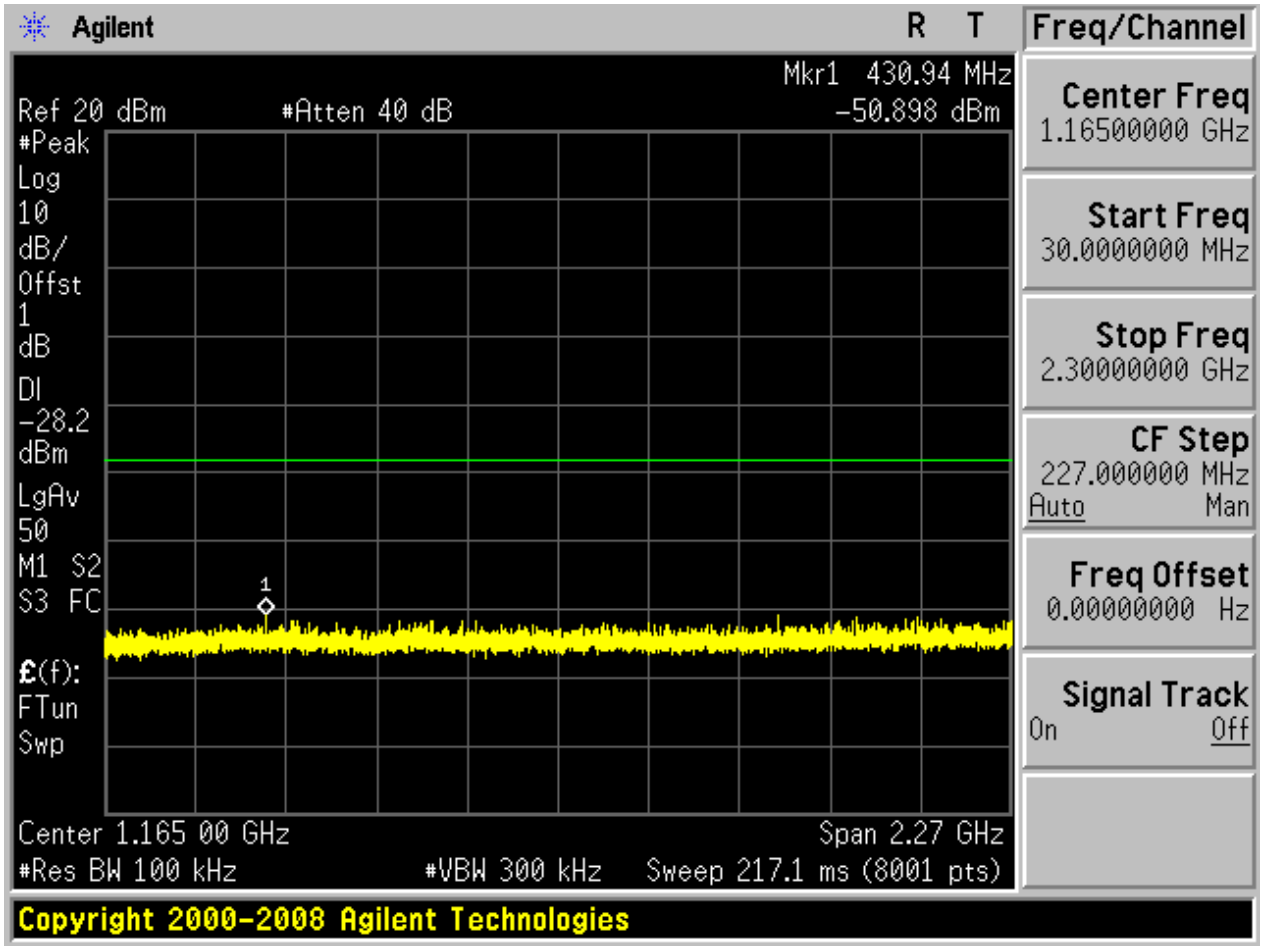

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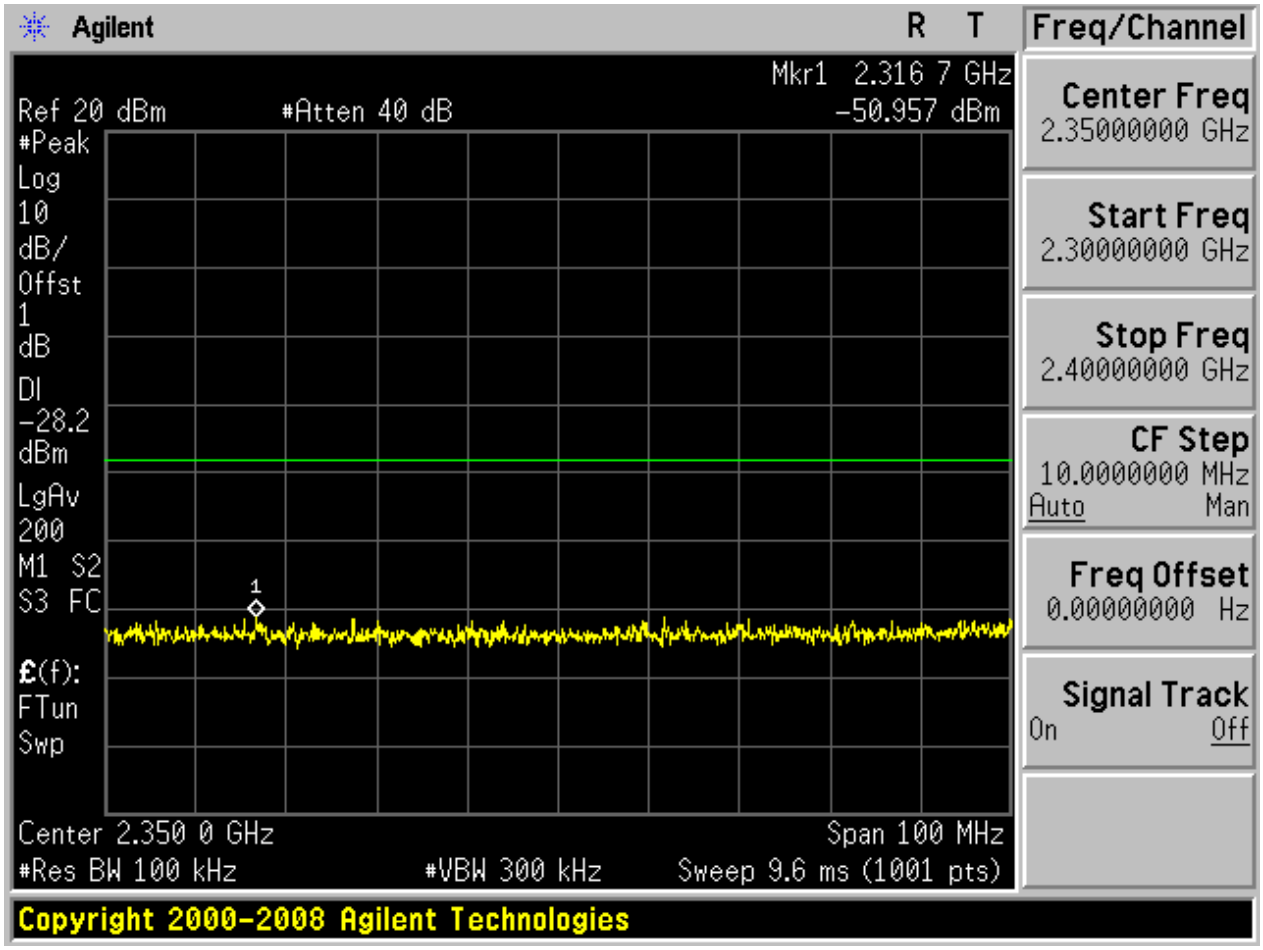

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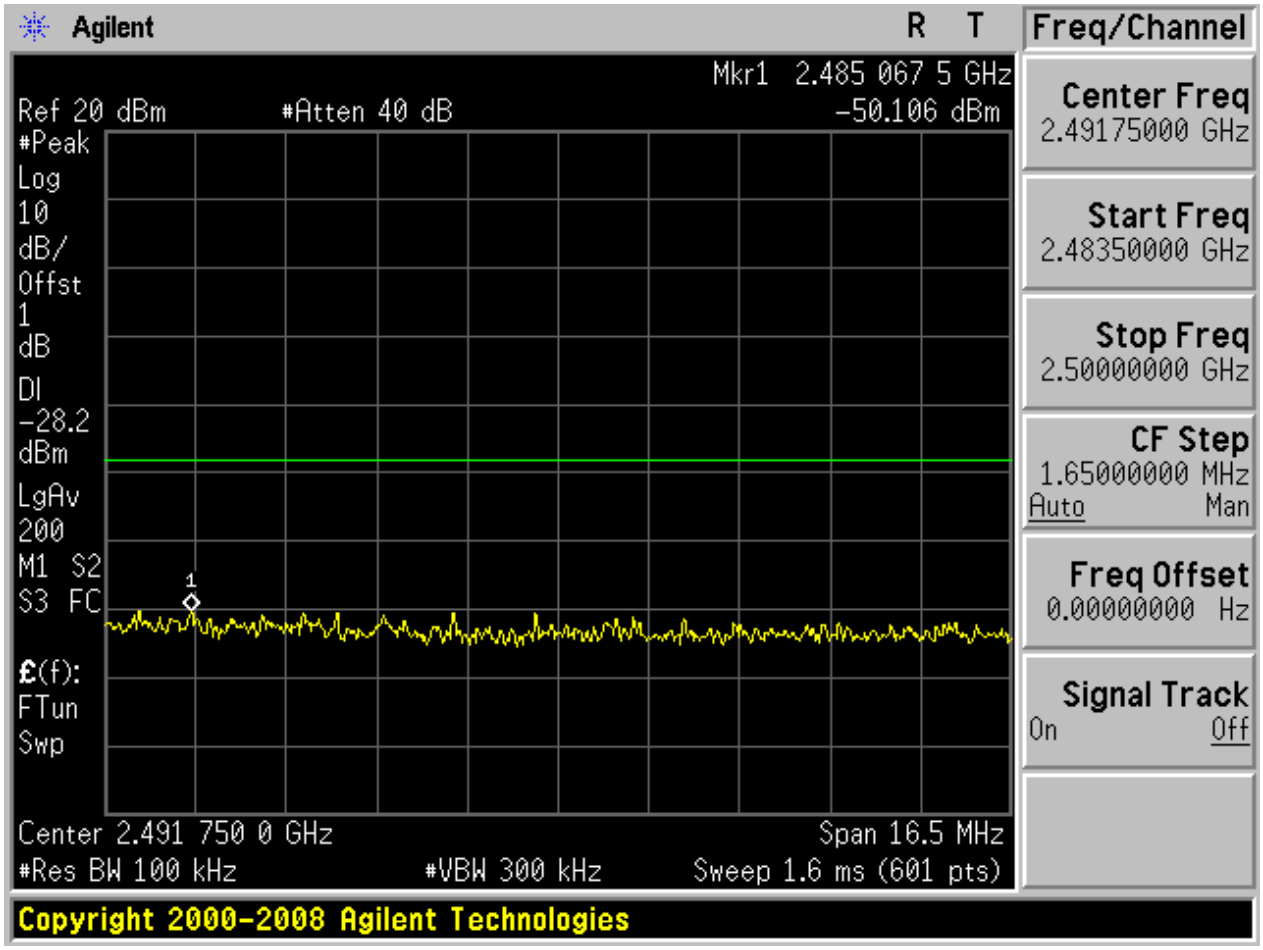
Agilent
R T
Freq/Channel
Mkr1 2.485 067 5 GHz
Ref 20 dBm
#Atten 40 dB
-50.106 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-28.2
dBm
LgAv
200
M1 S2
S3 FC
£(f):
FTun
Swp
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
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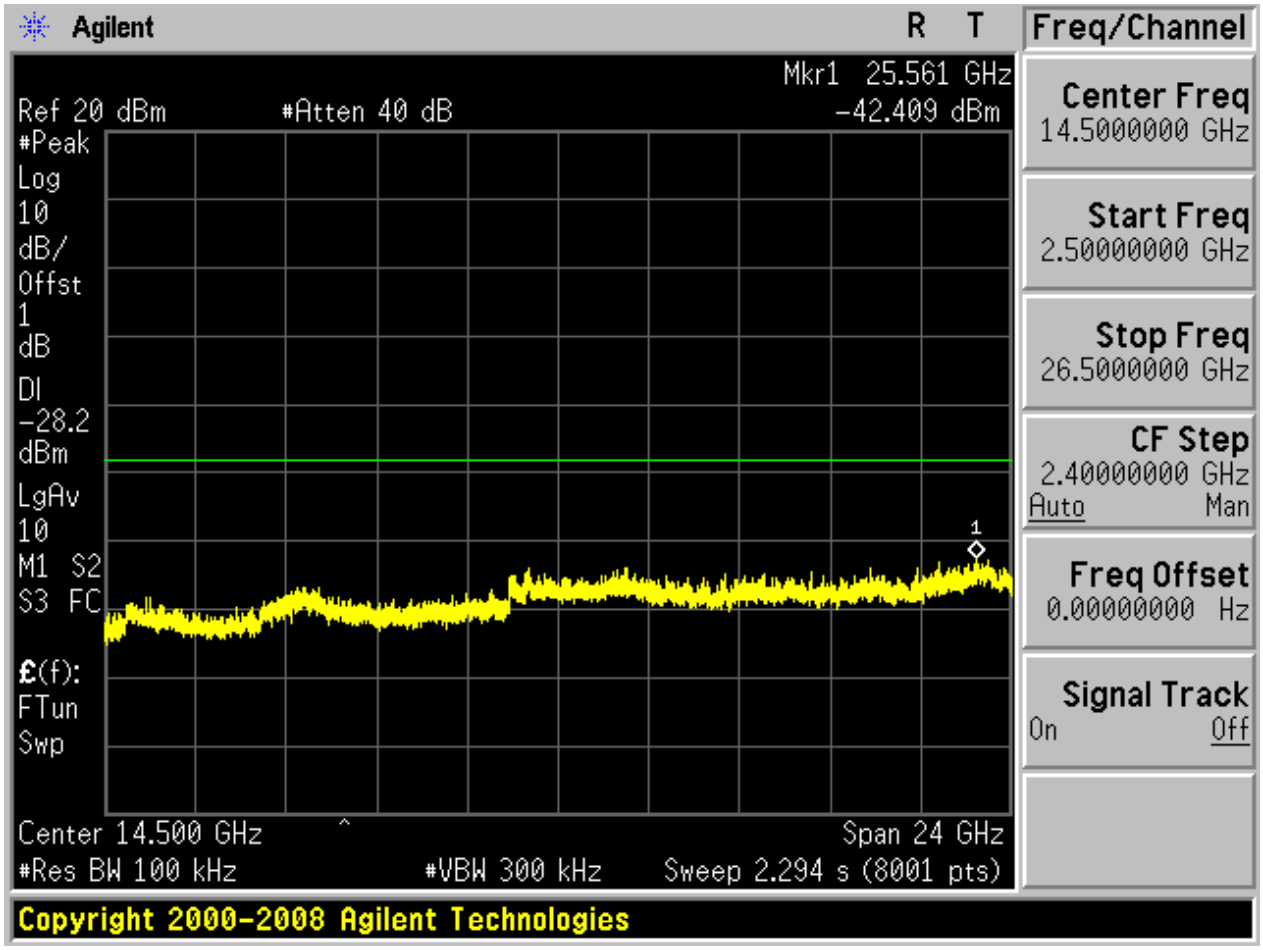

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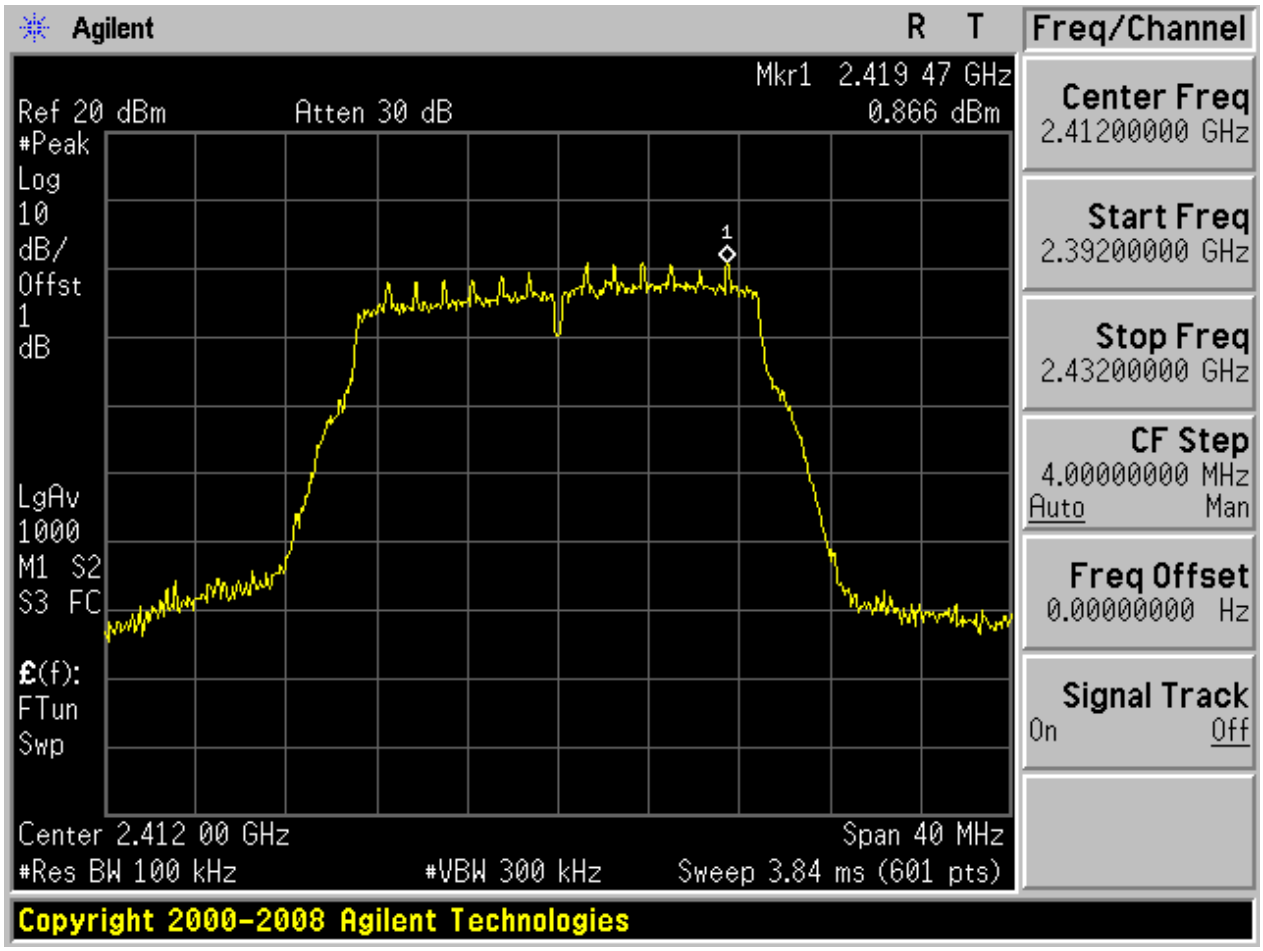

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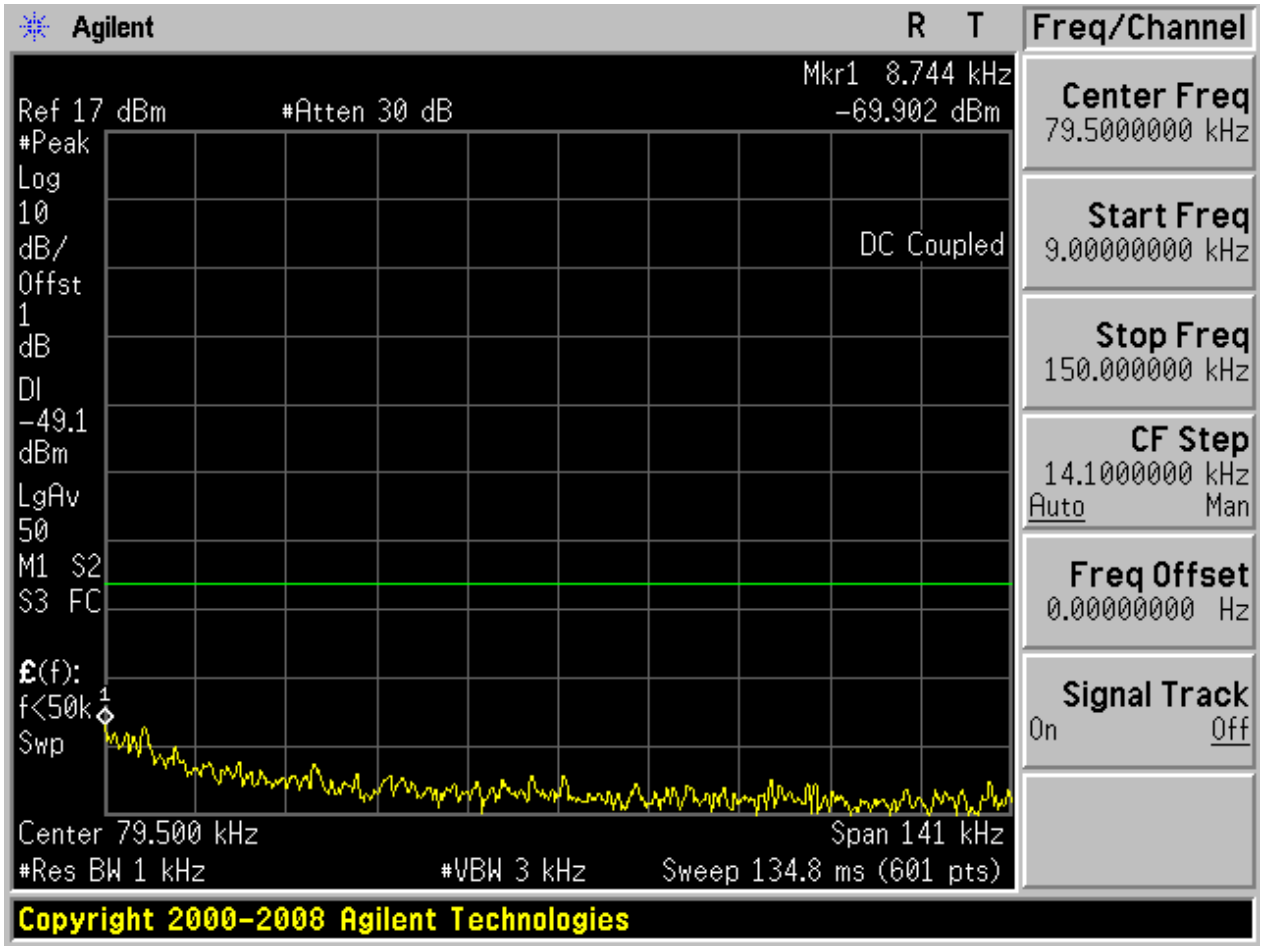

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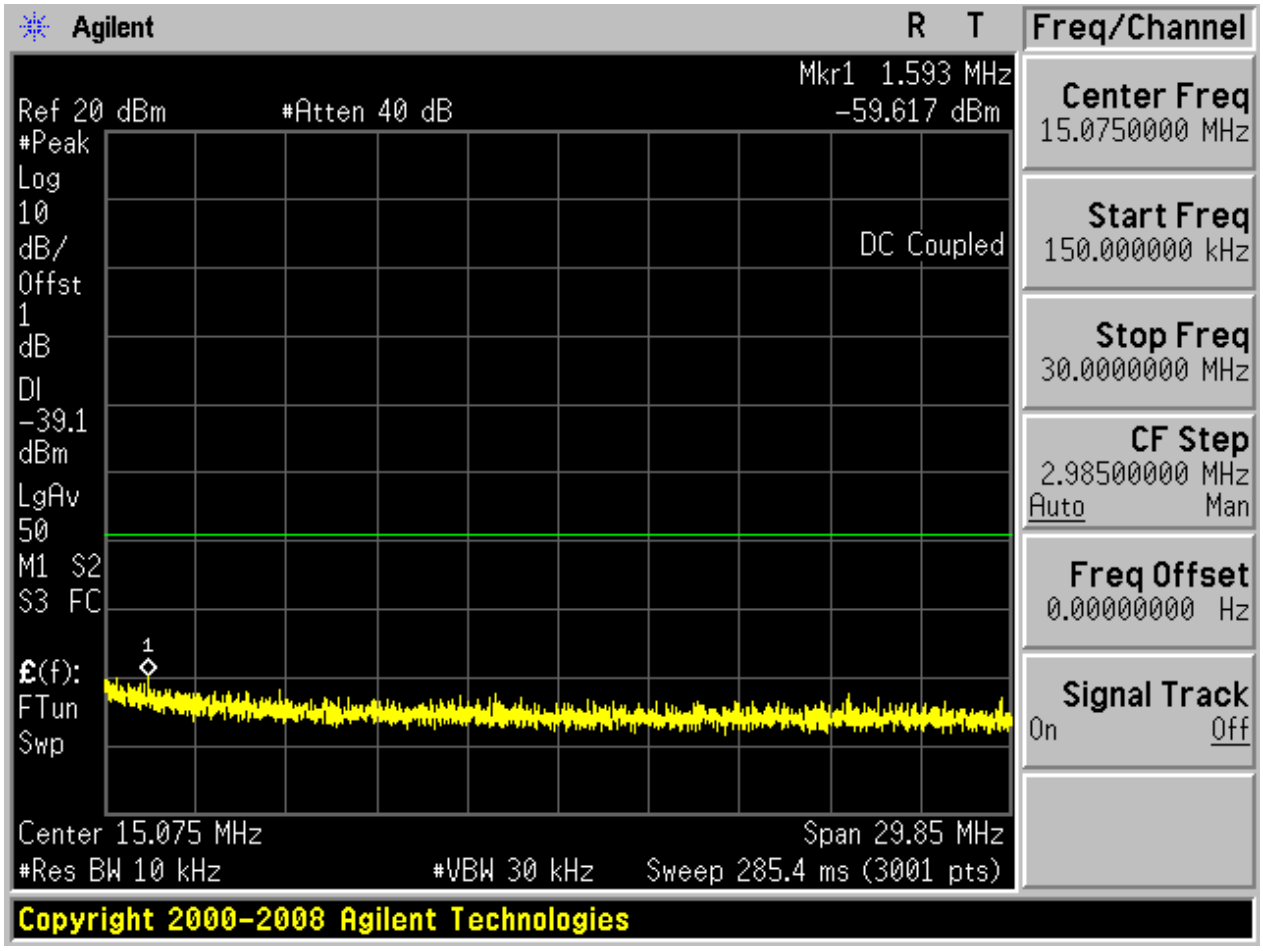

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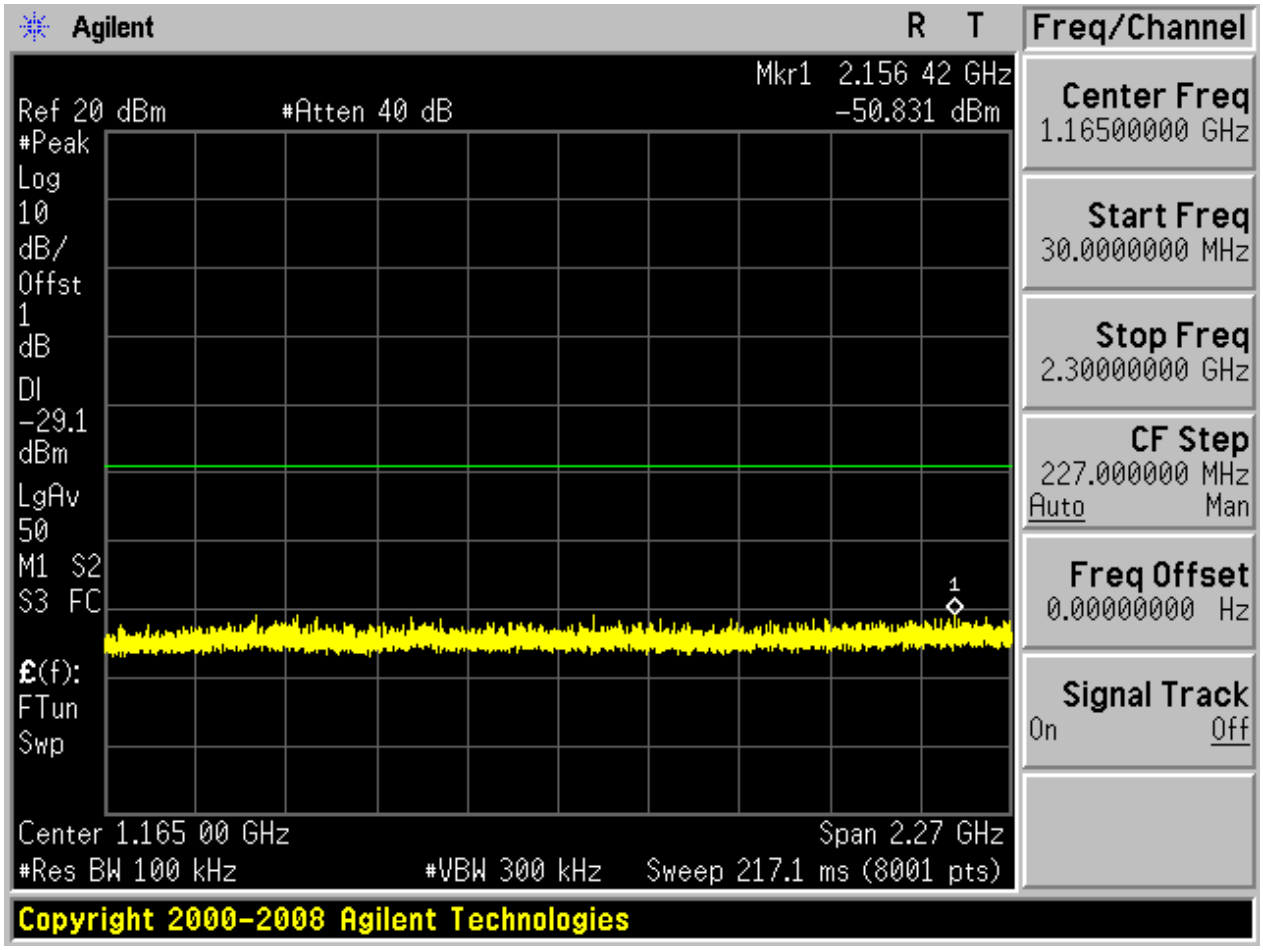

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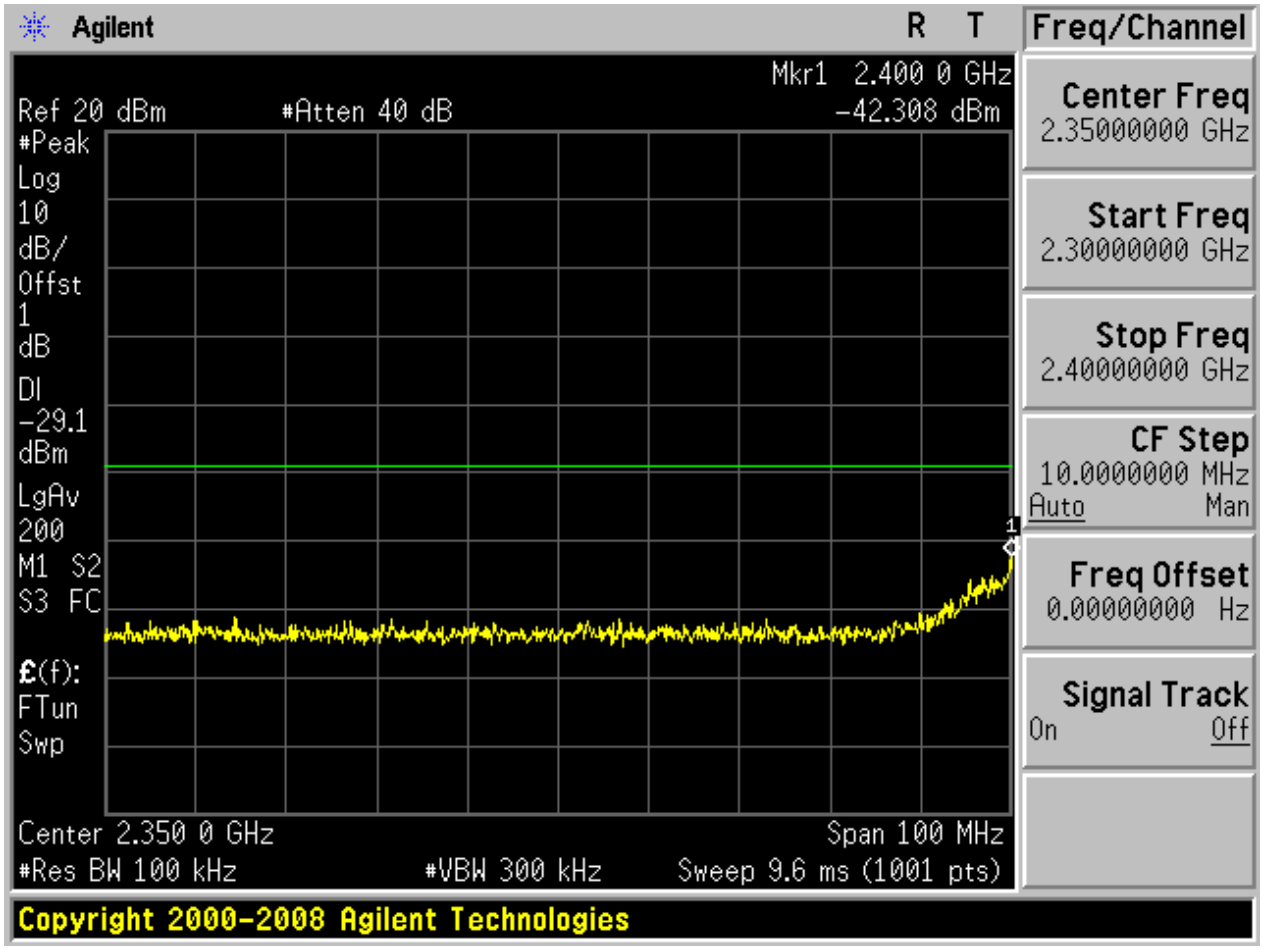

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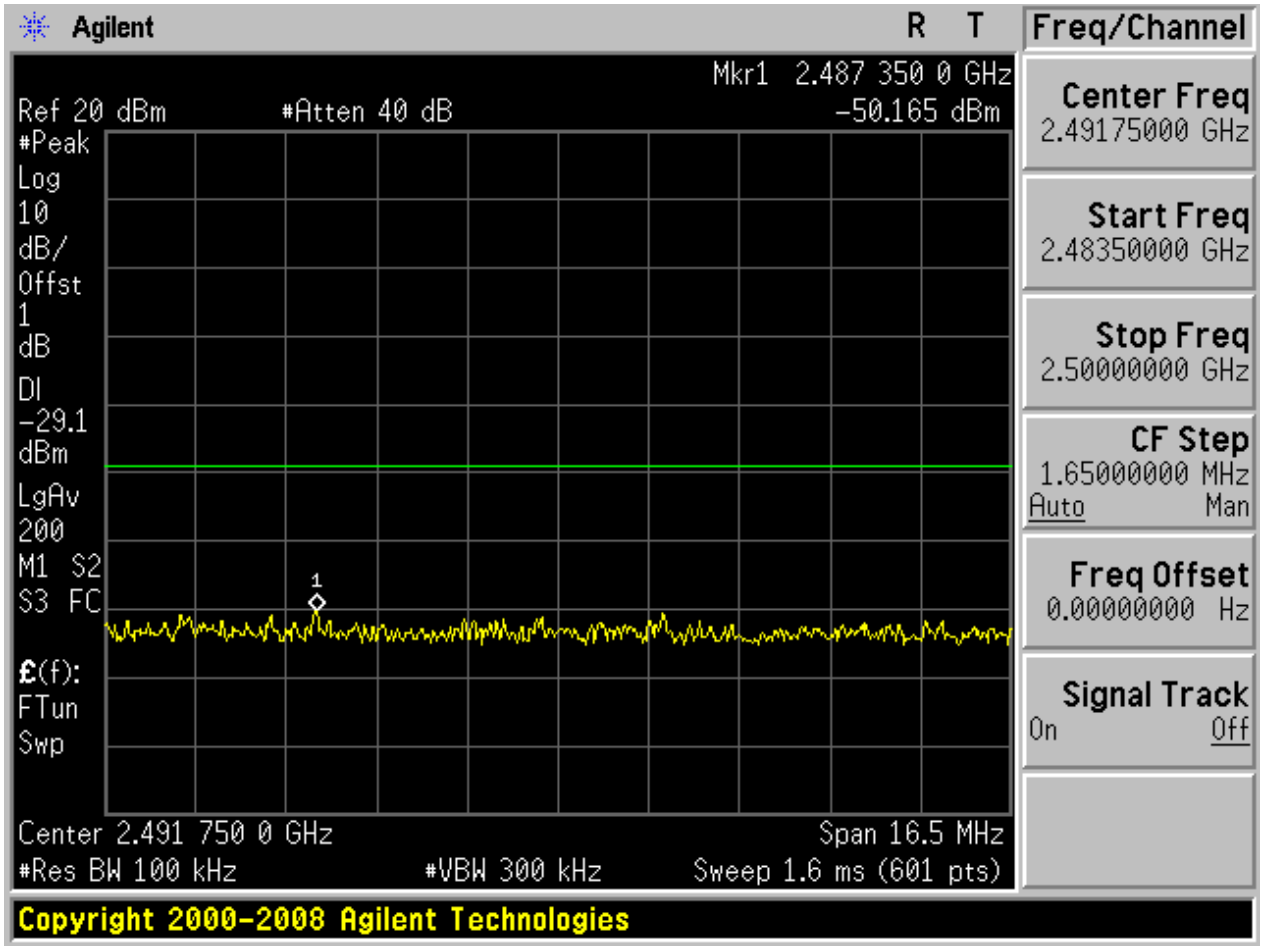

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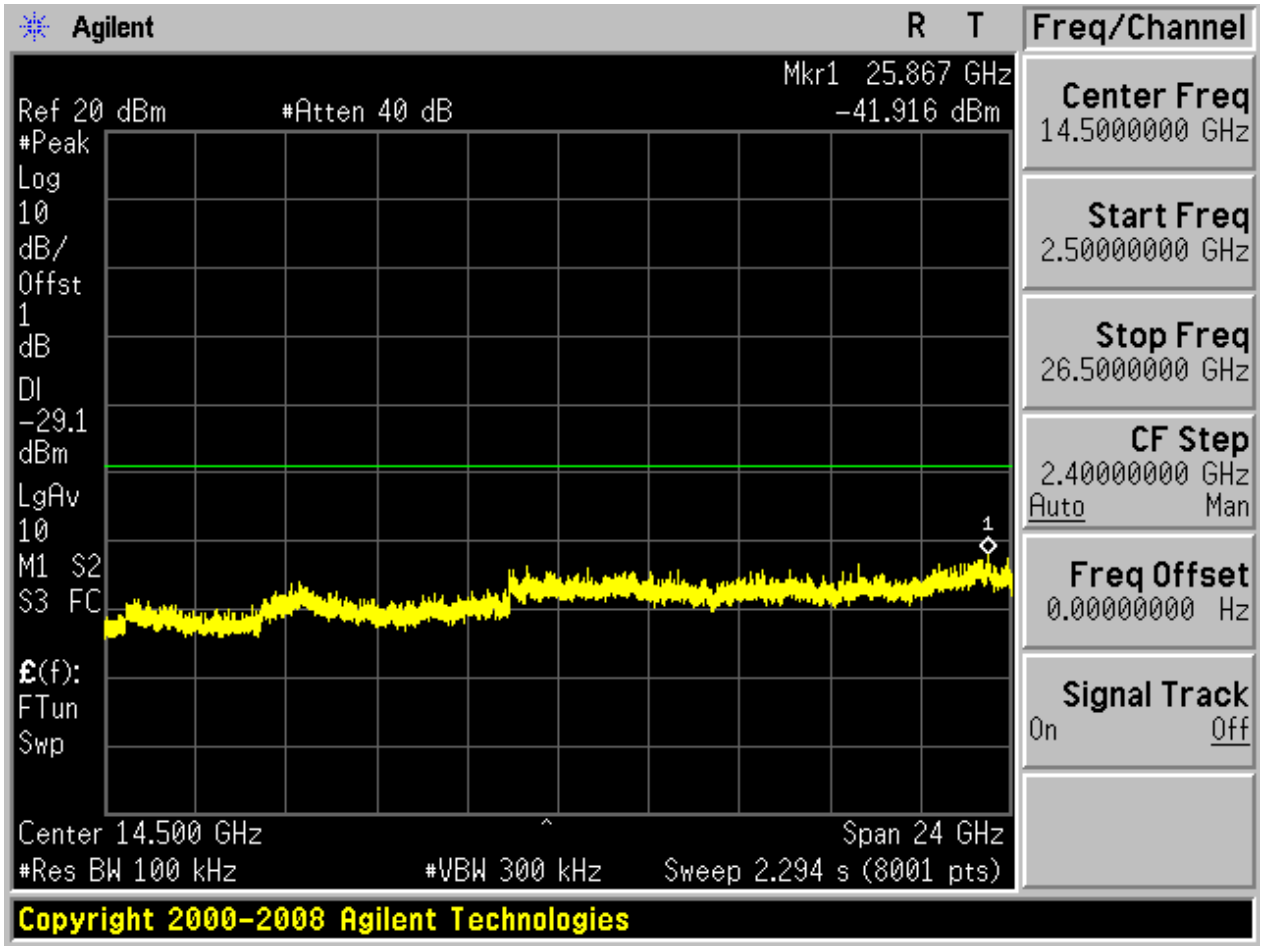

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2.14 11N20_L@Ant 2

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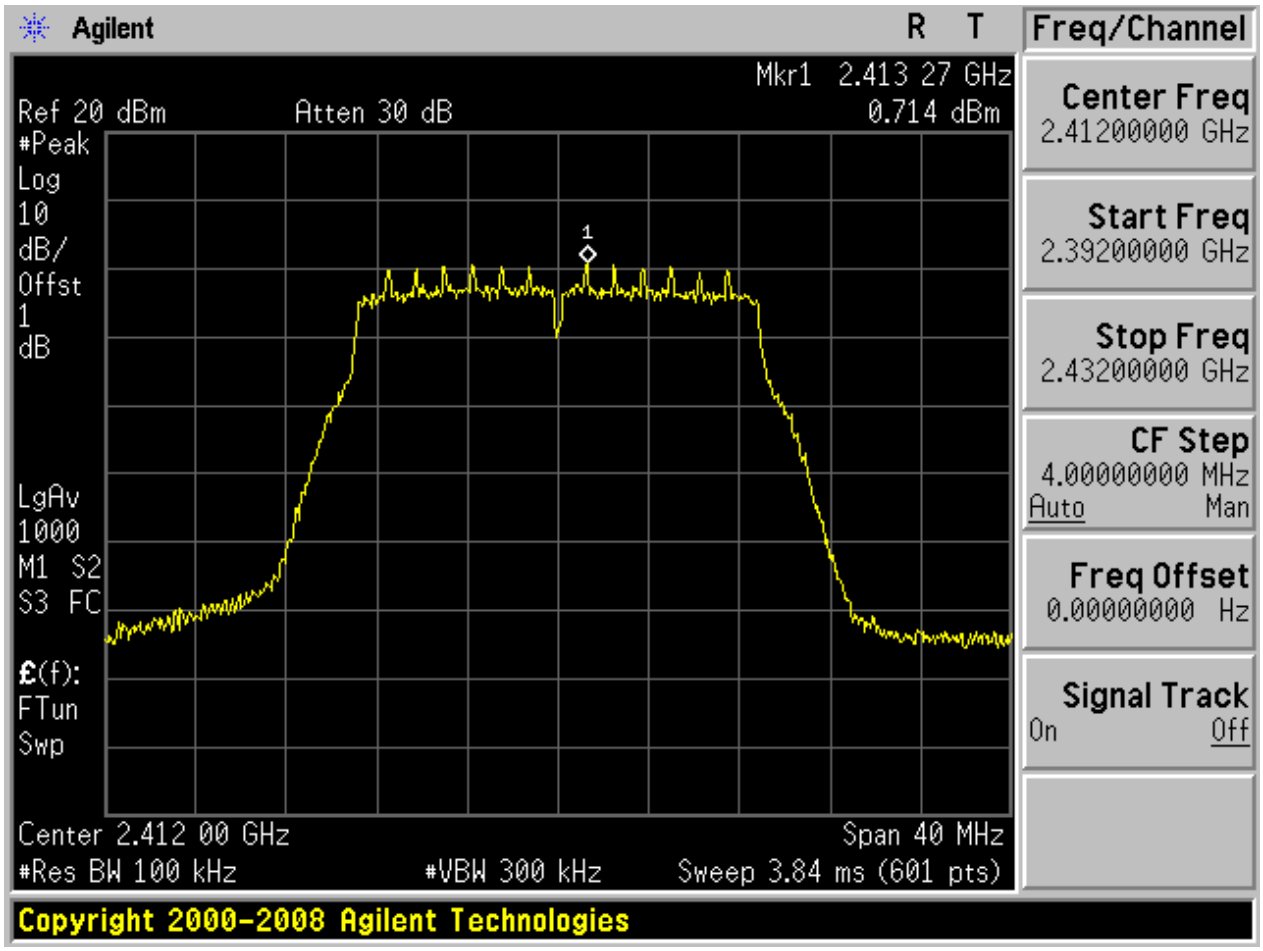

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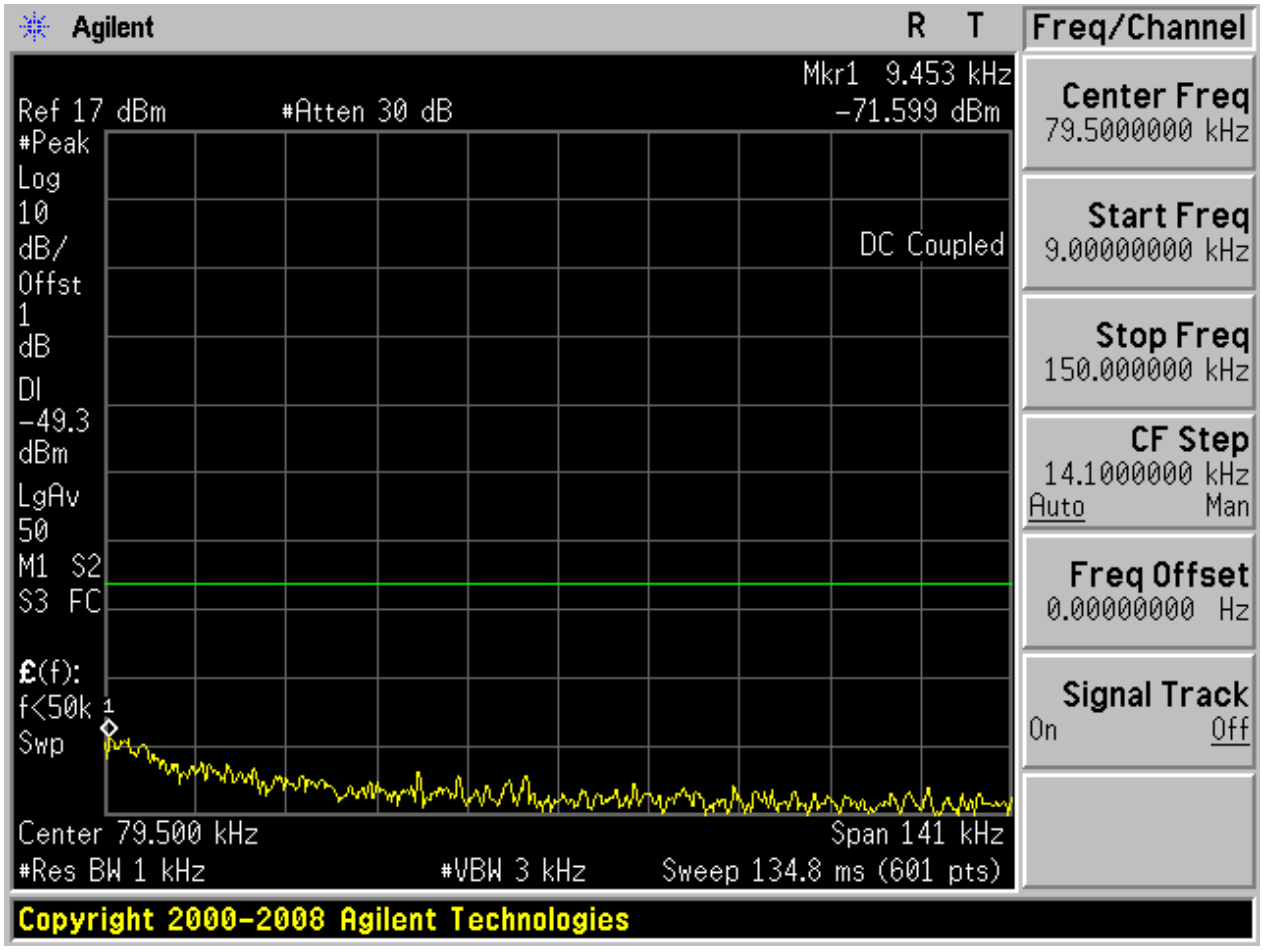

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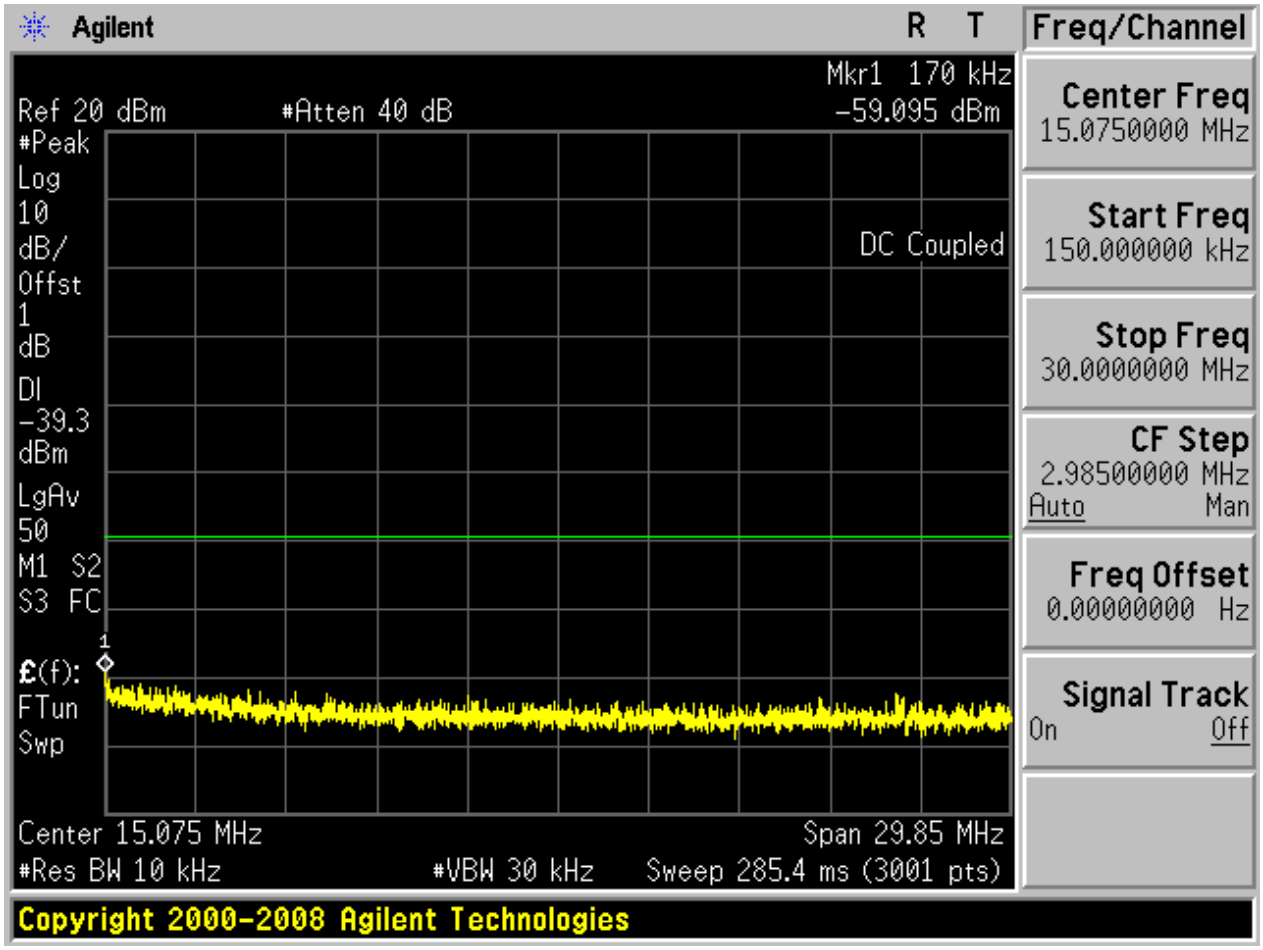

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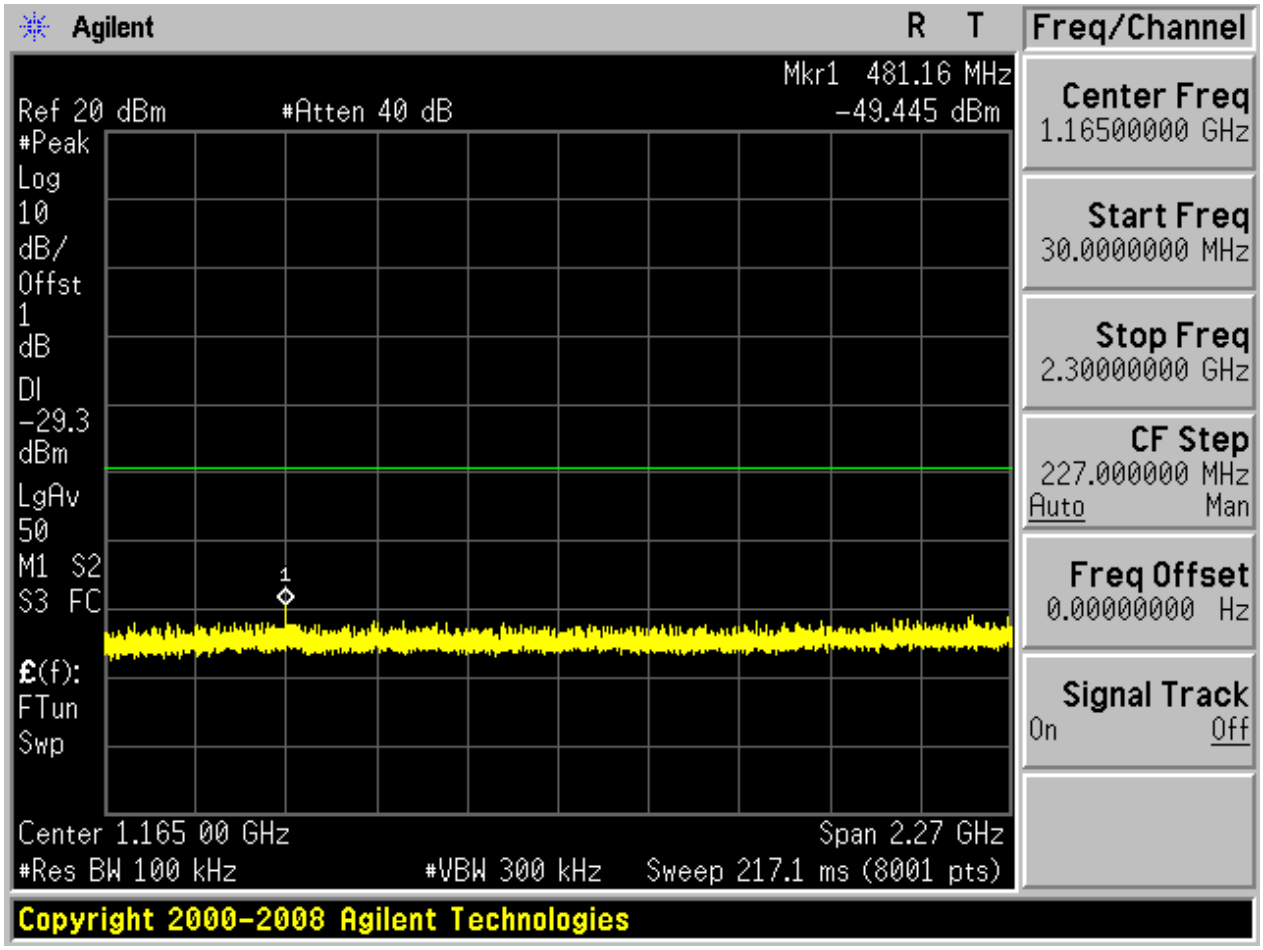

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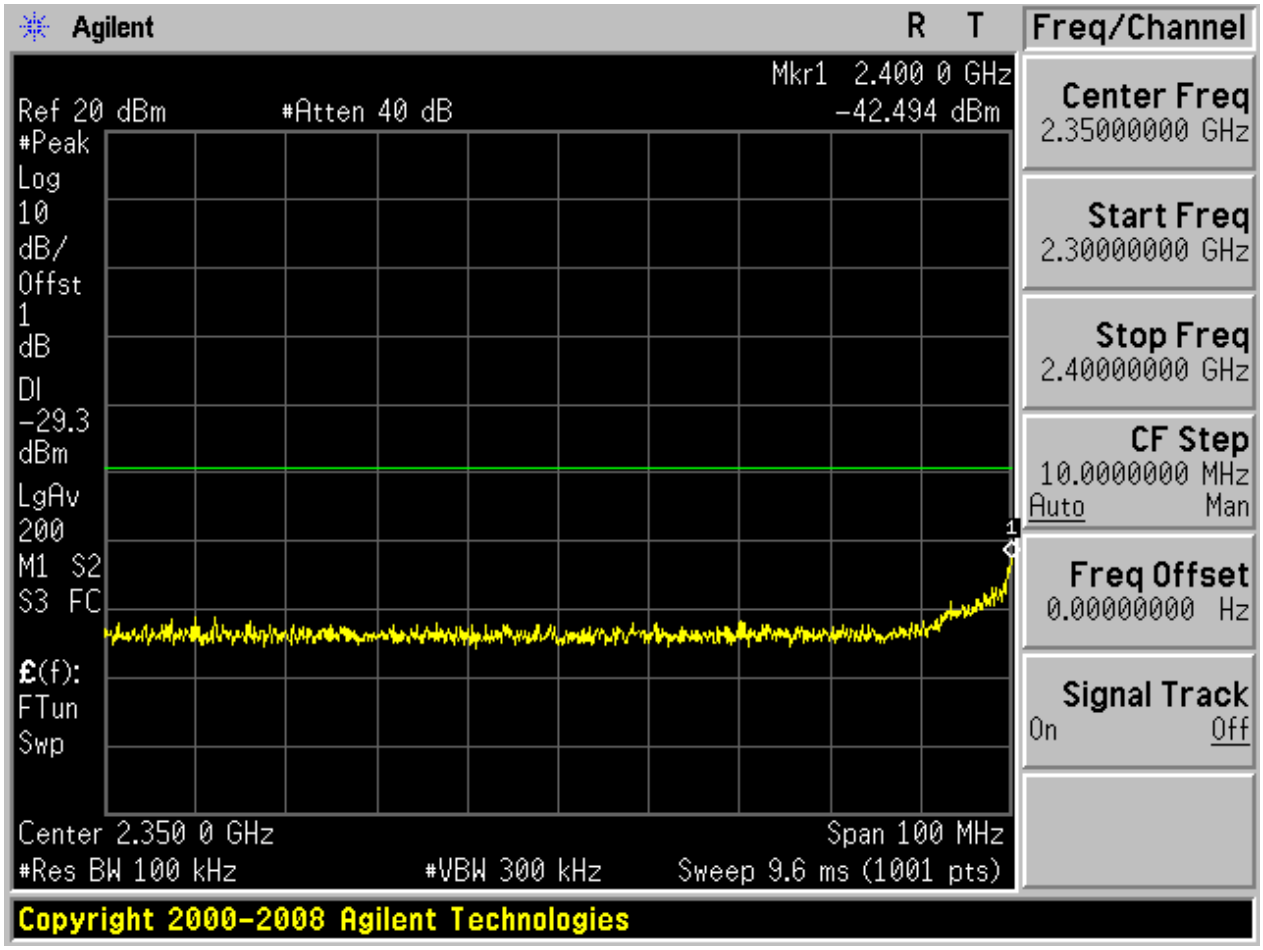

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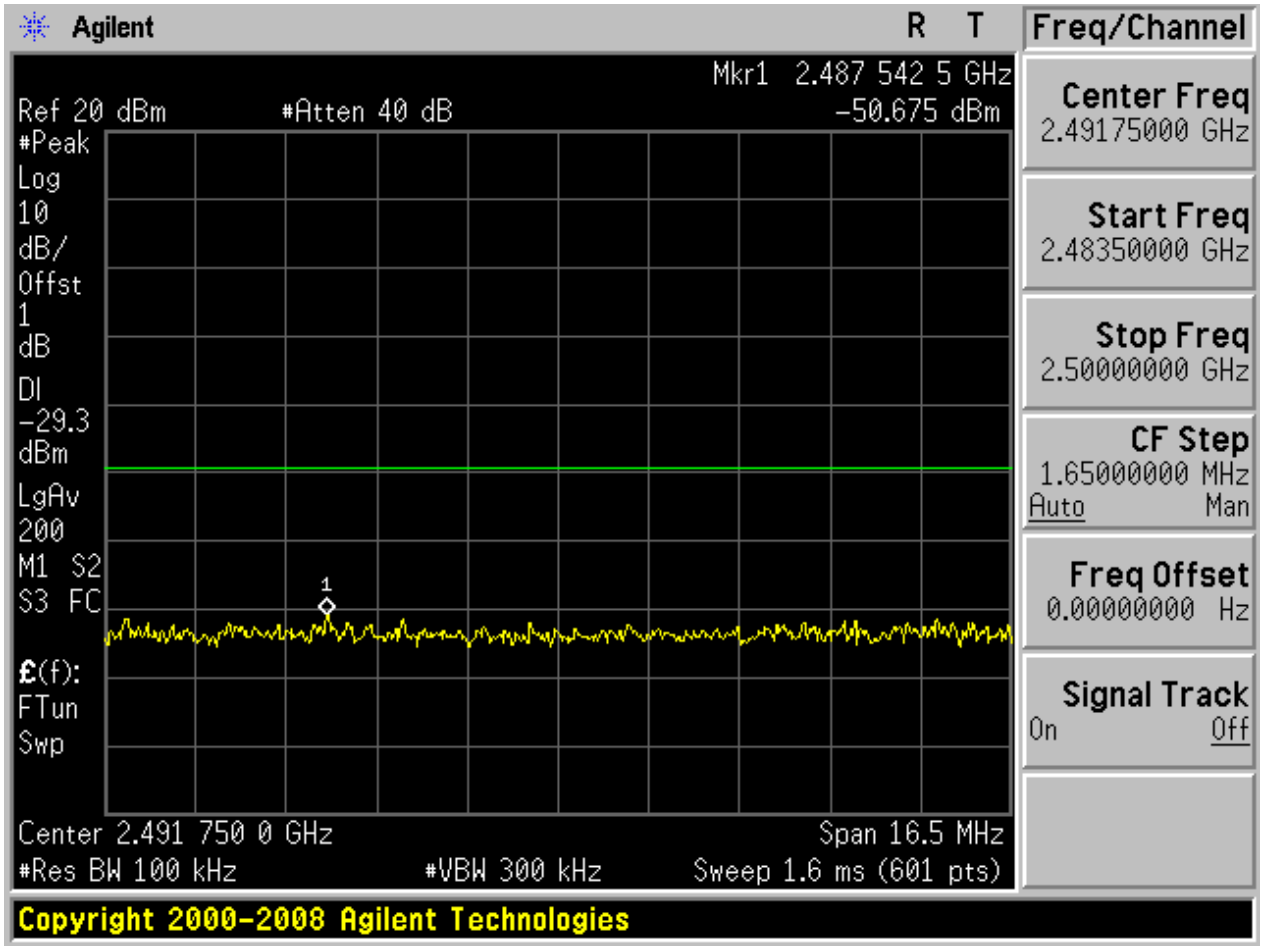

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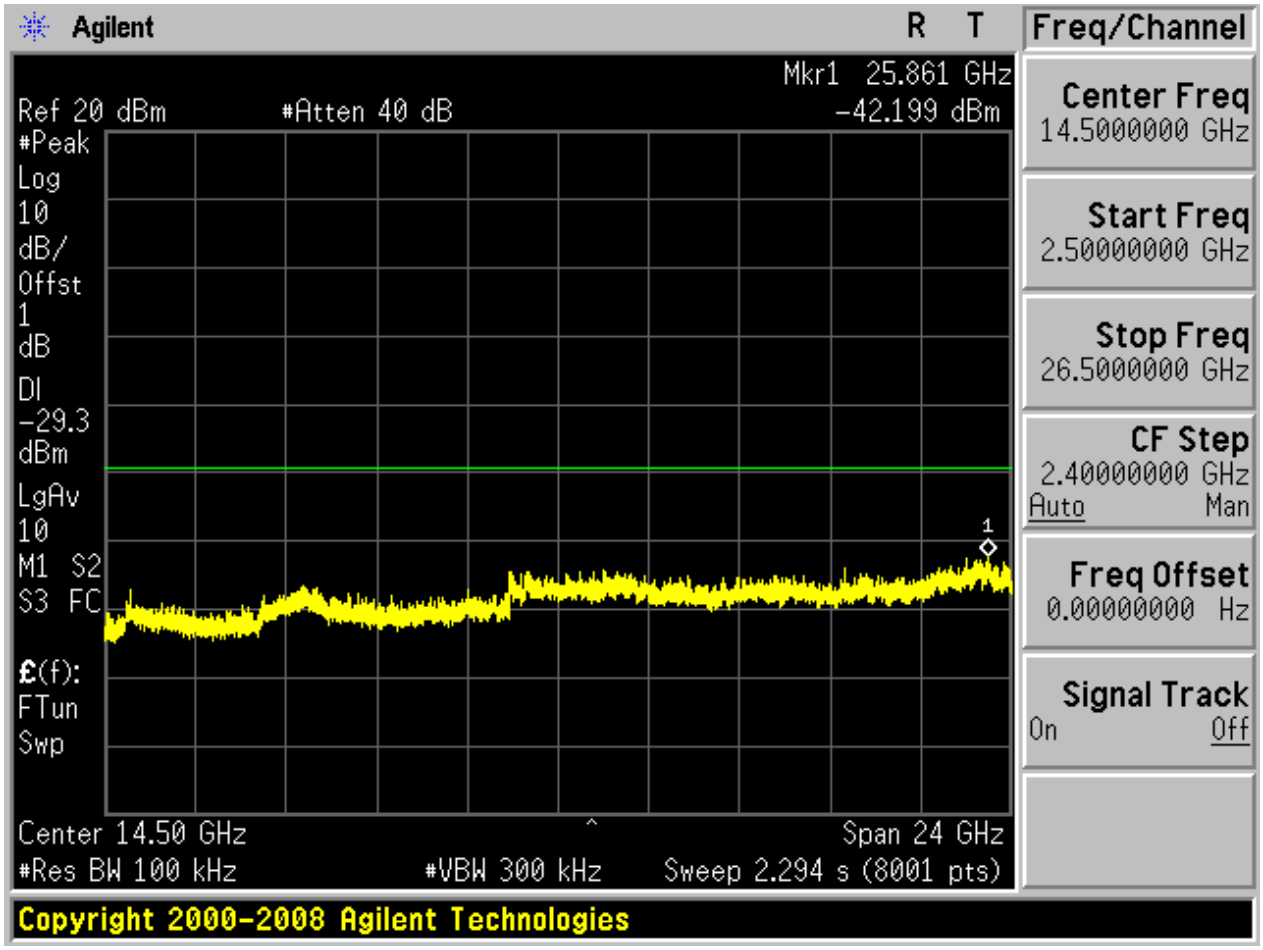

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2.15 11N20_M@Ant 1

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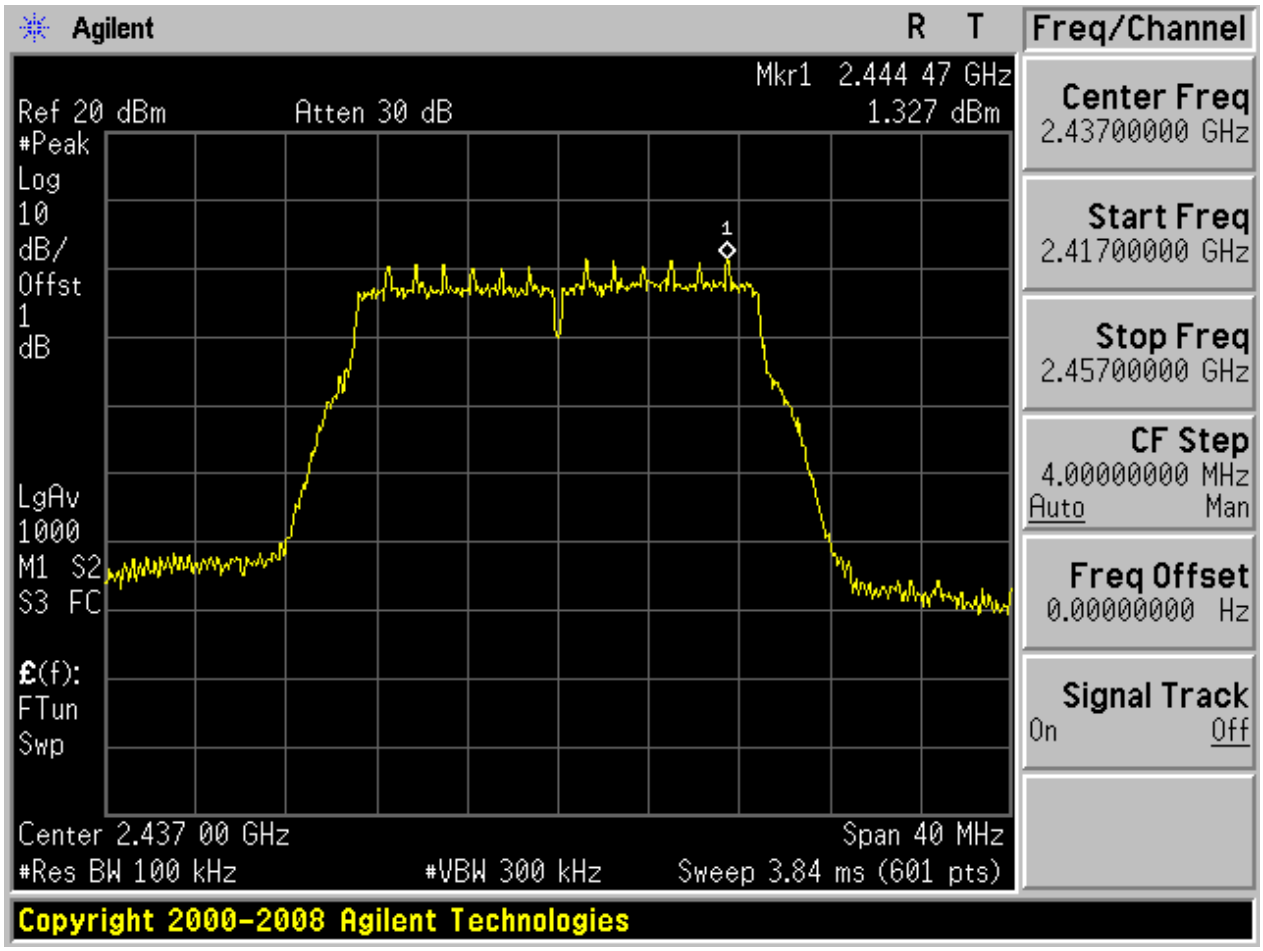

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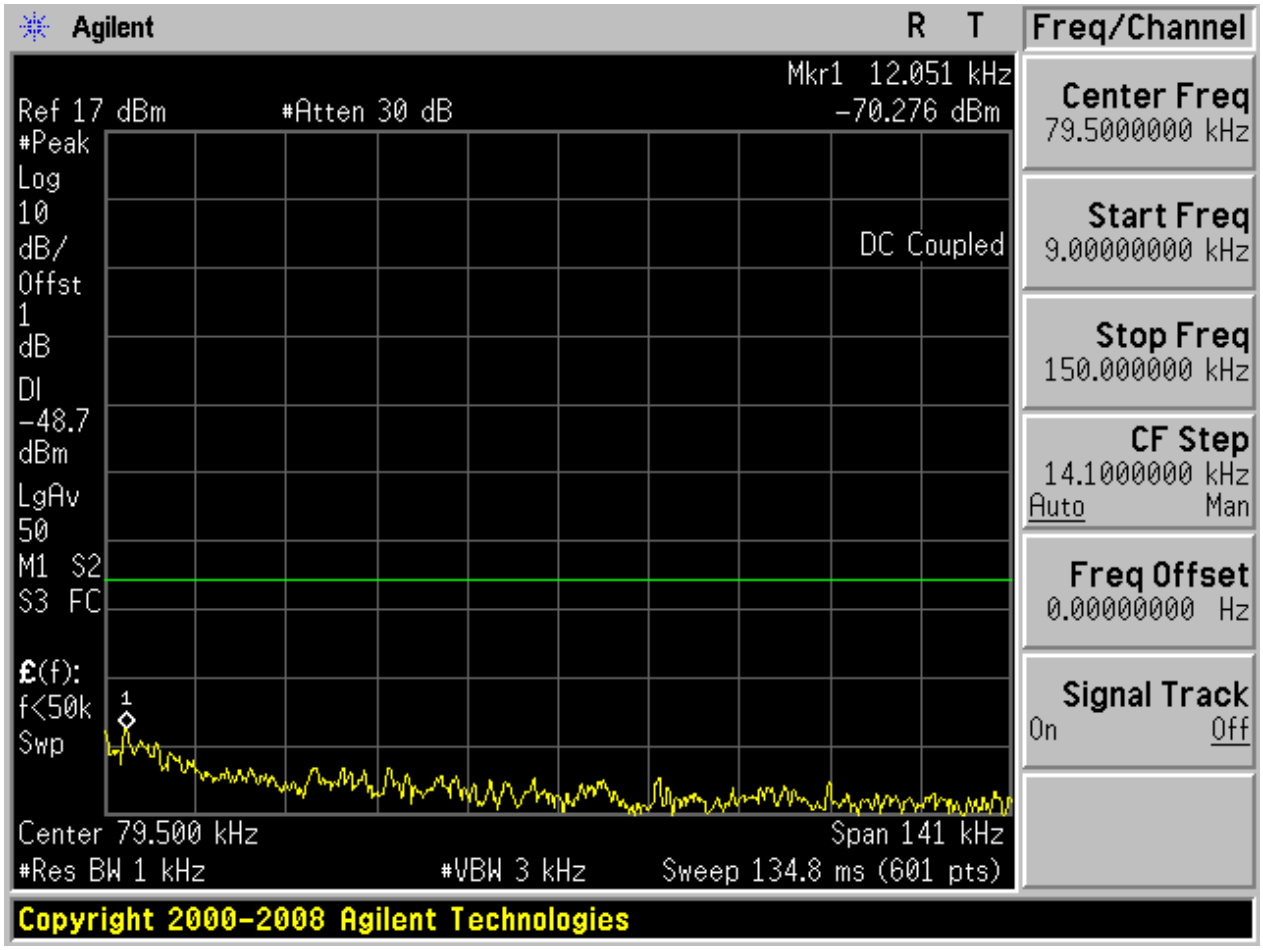

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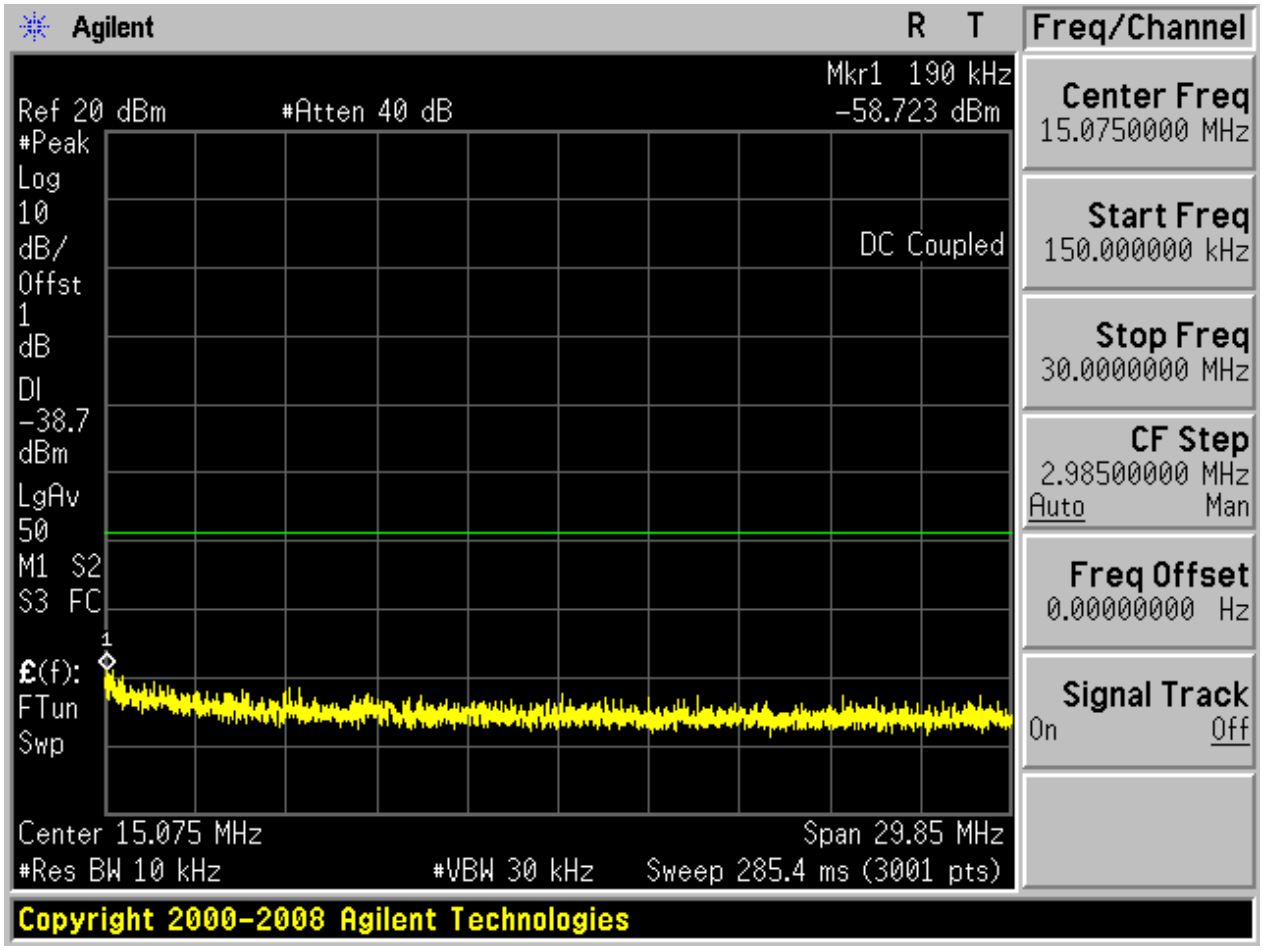

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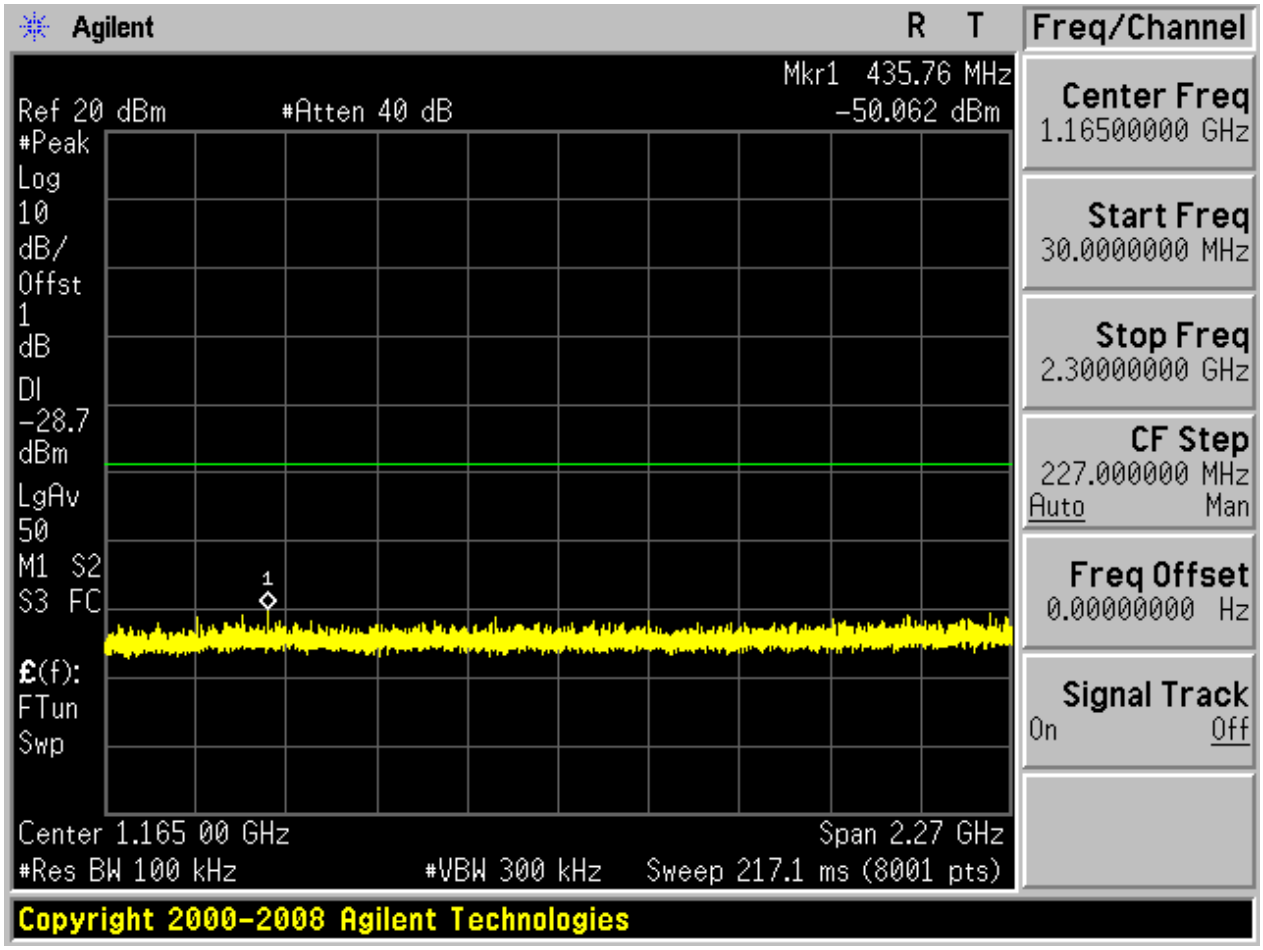

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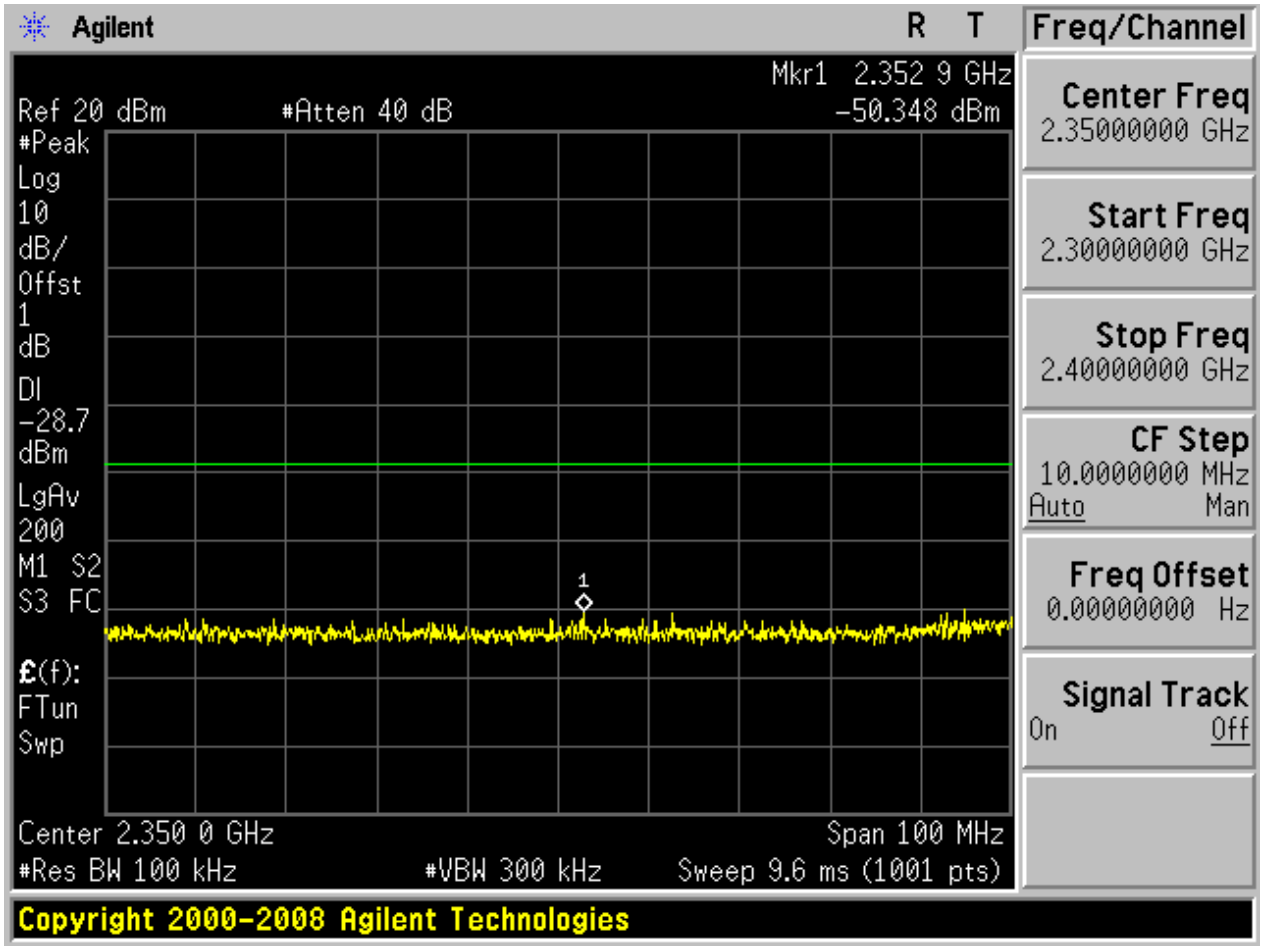

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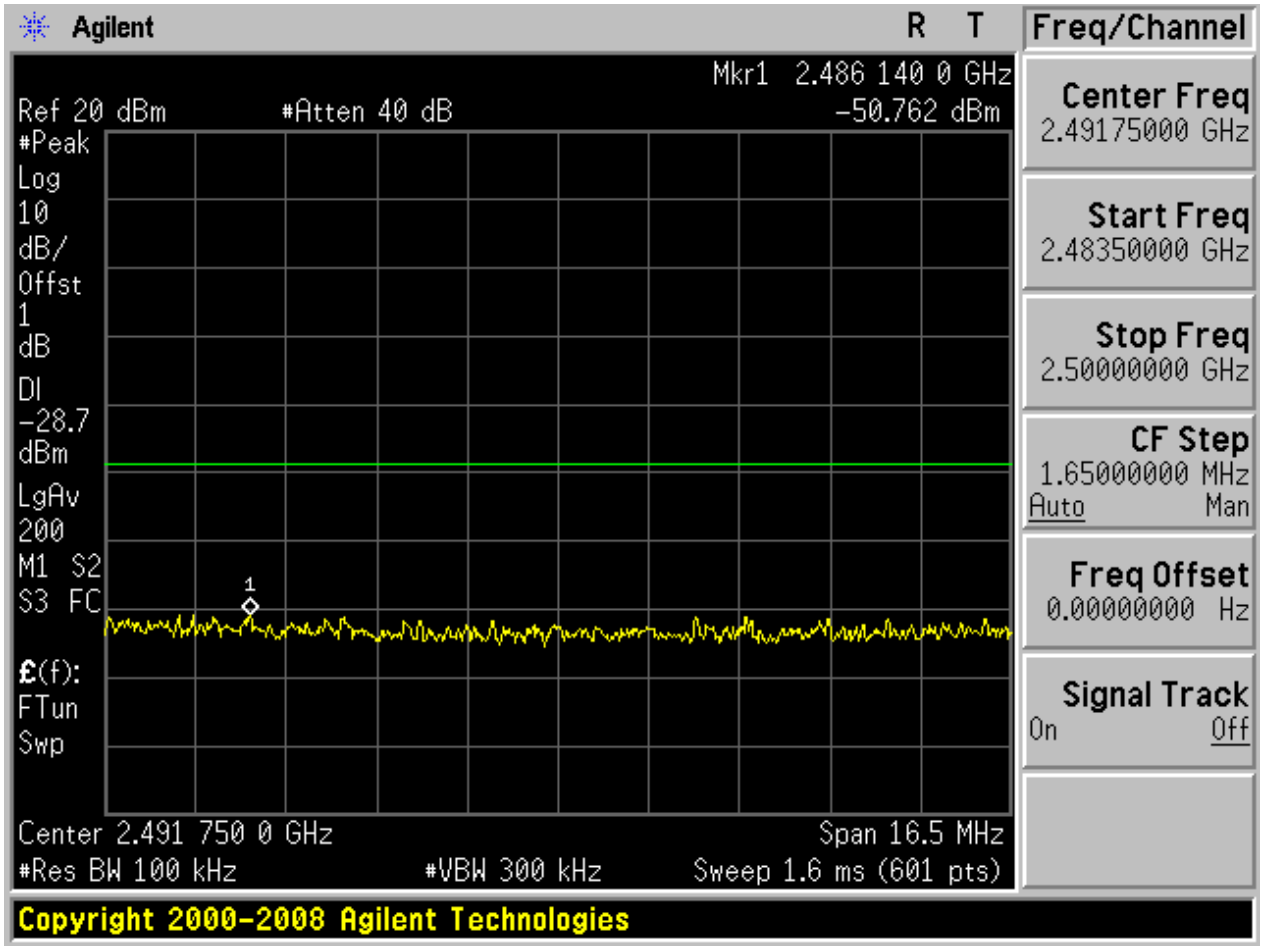

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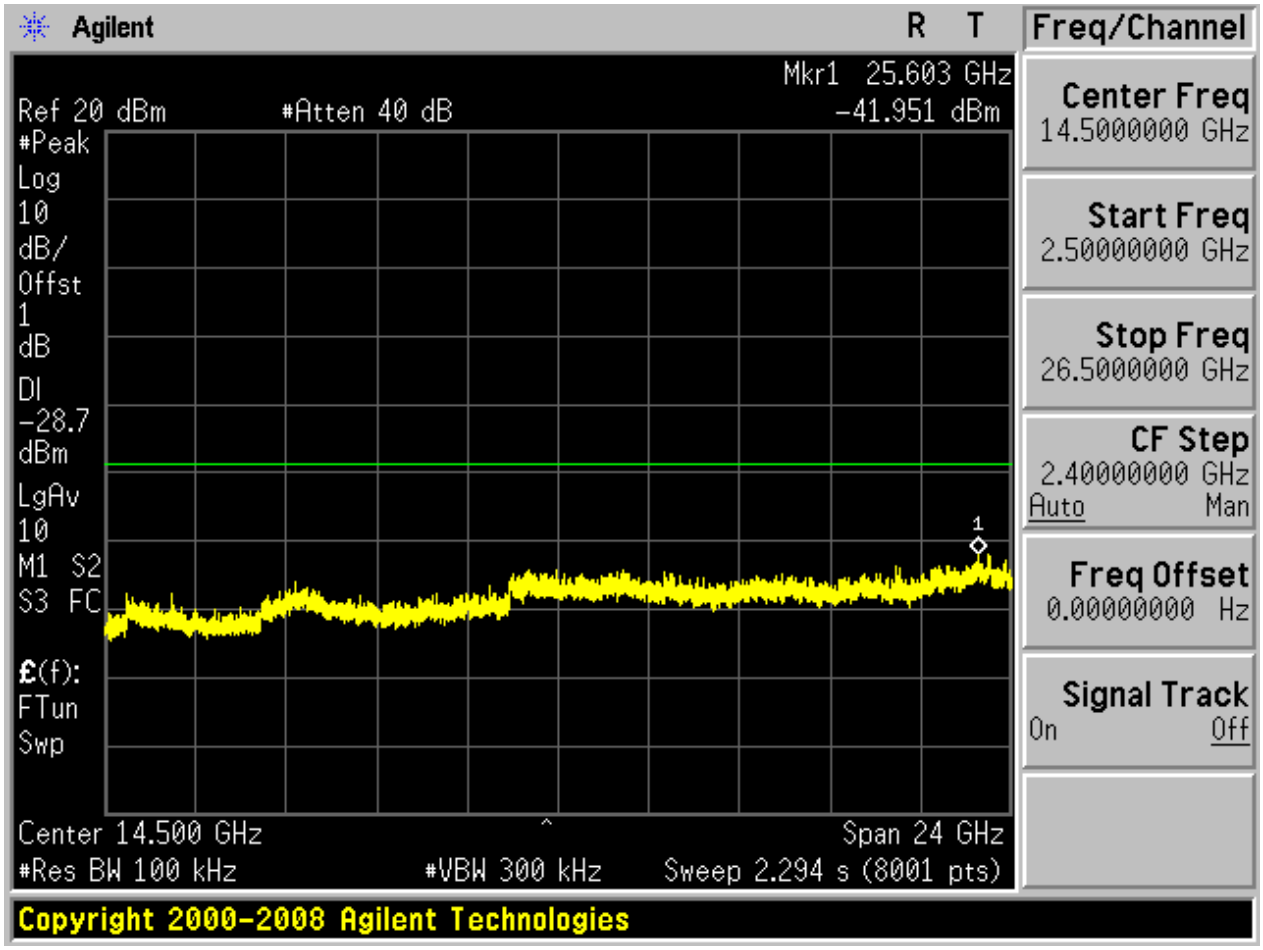

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2.16 11N20_M@Ant 2

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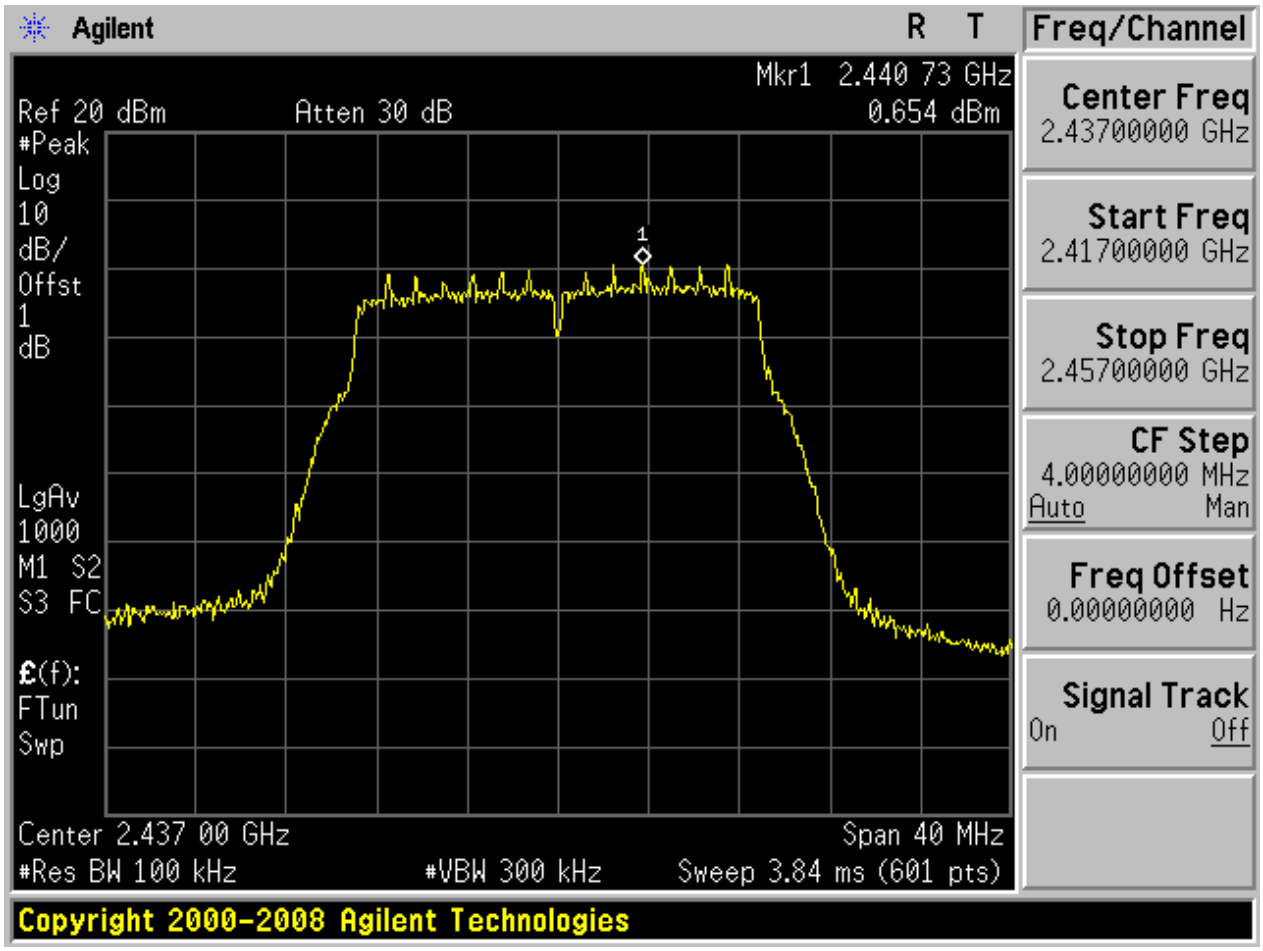

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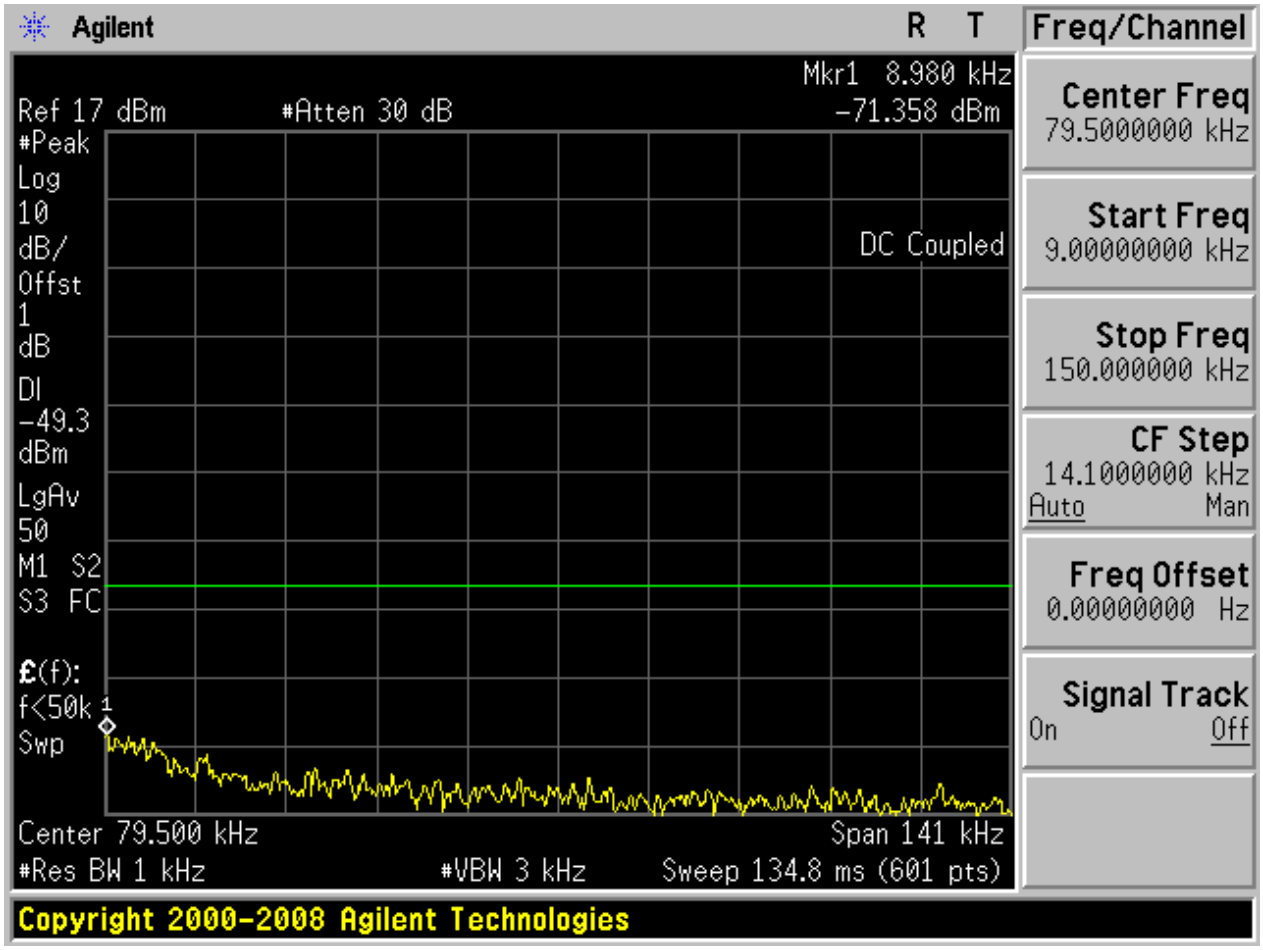

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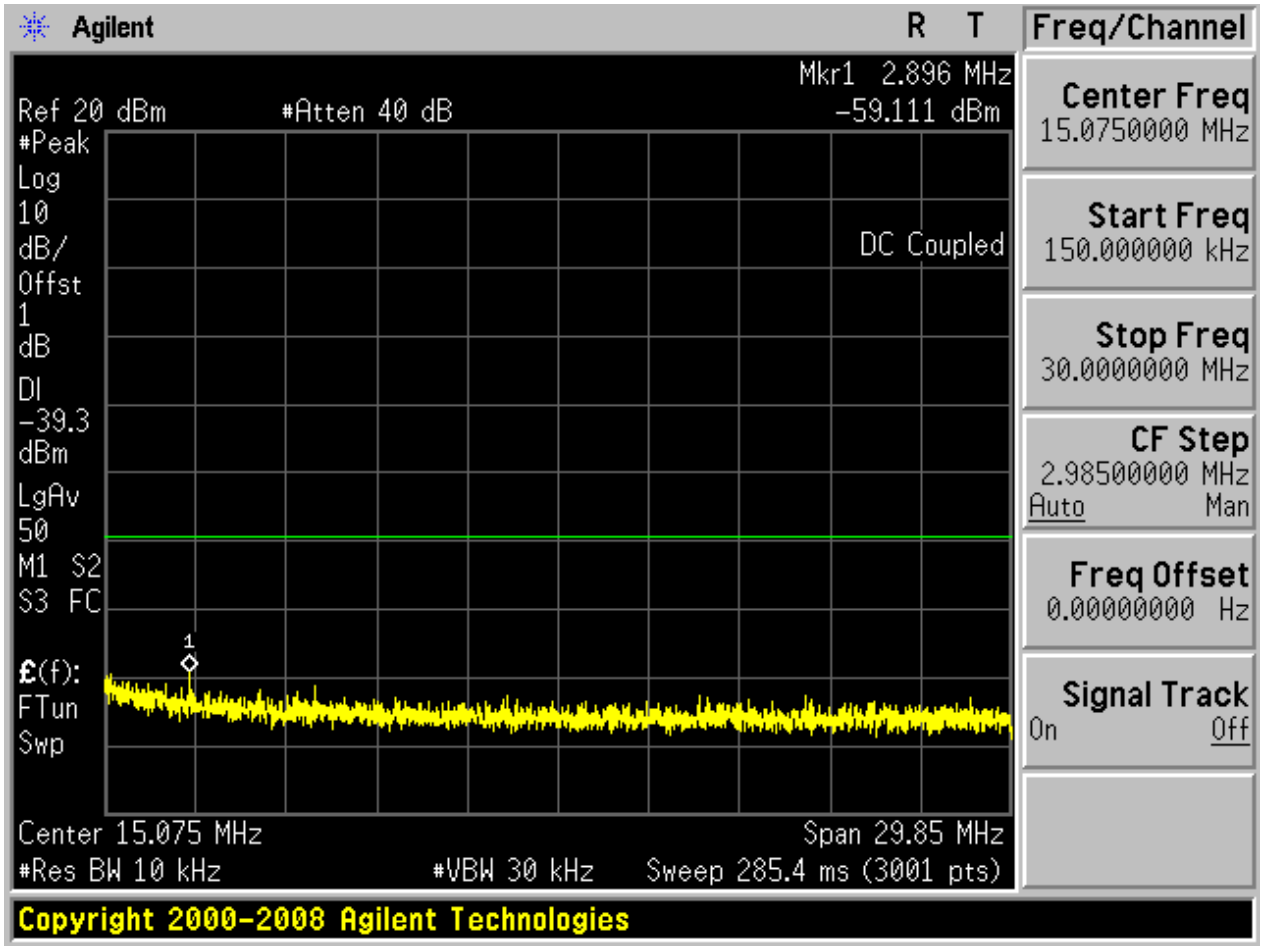

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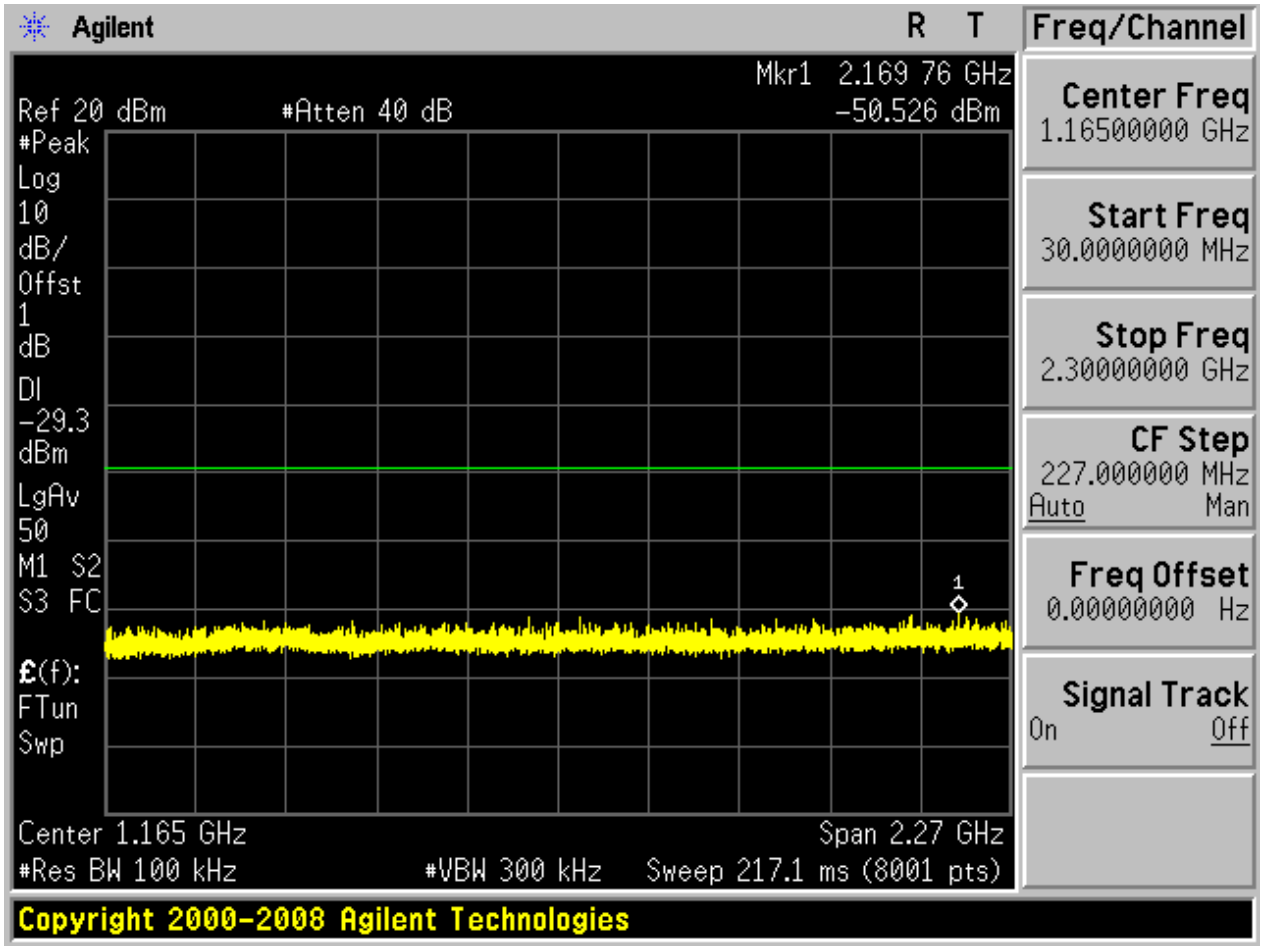

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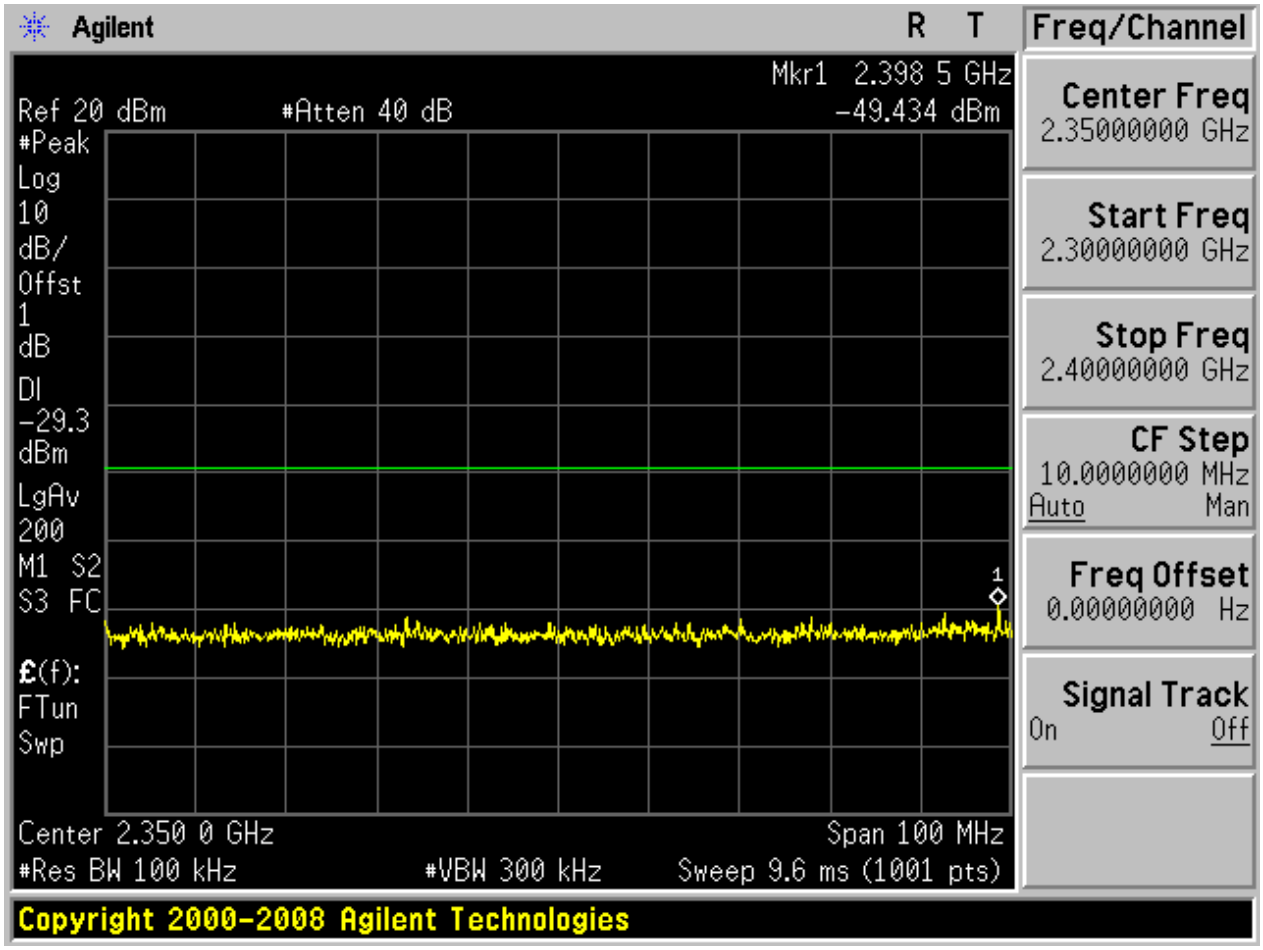

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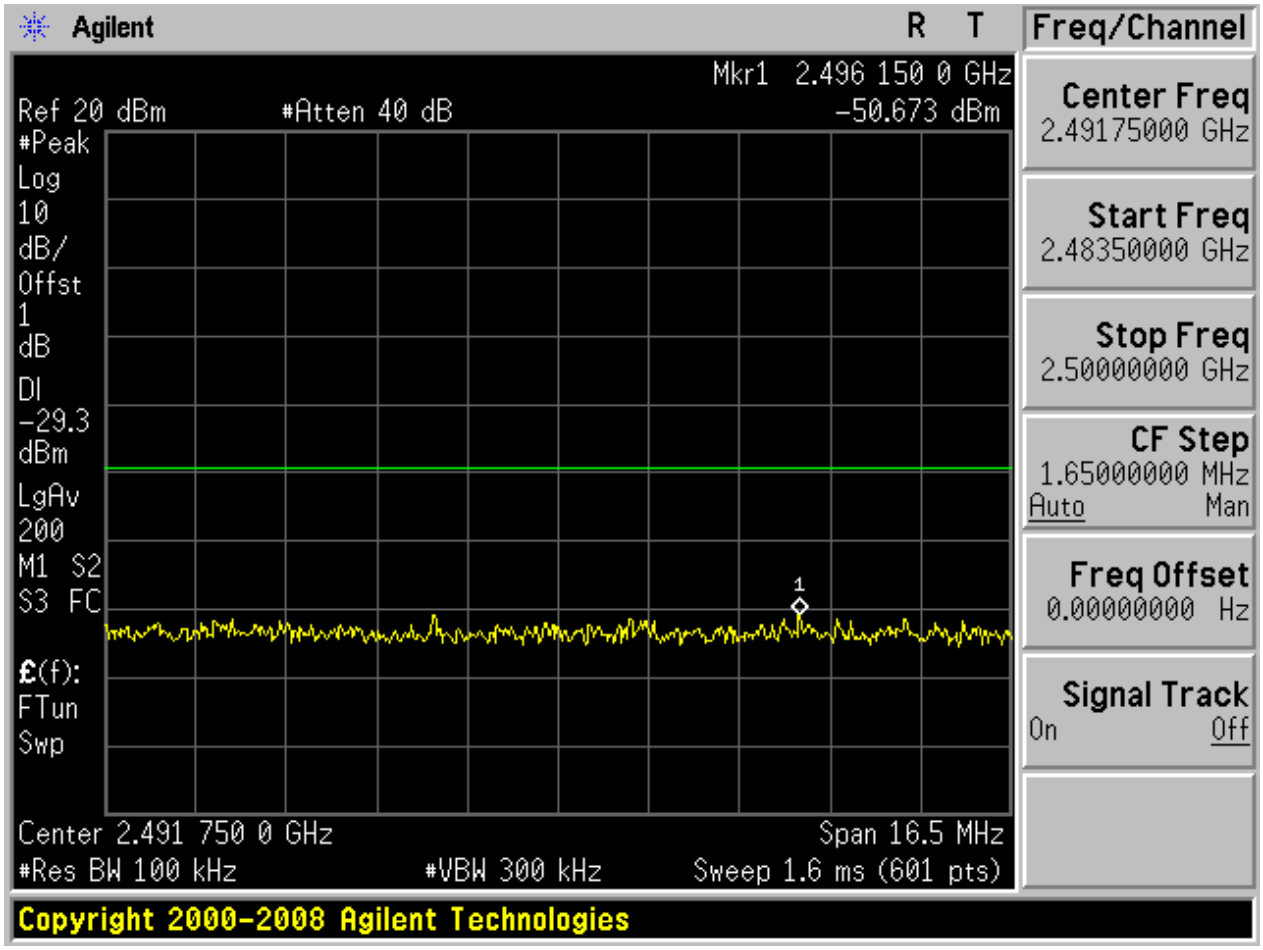

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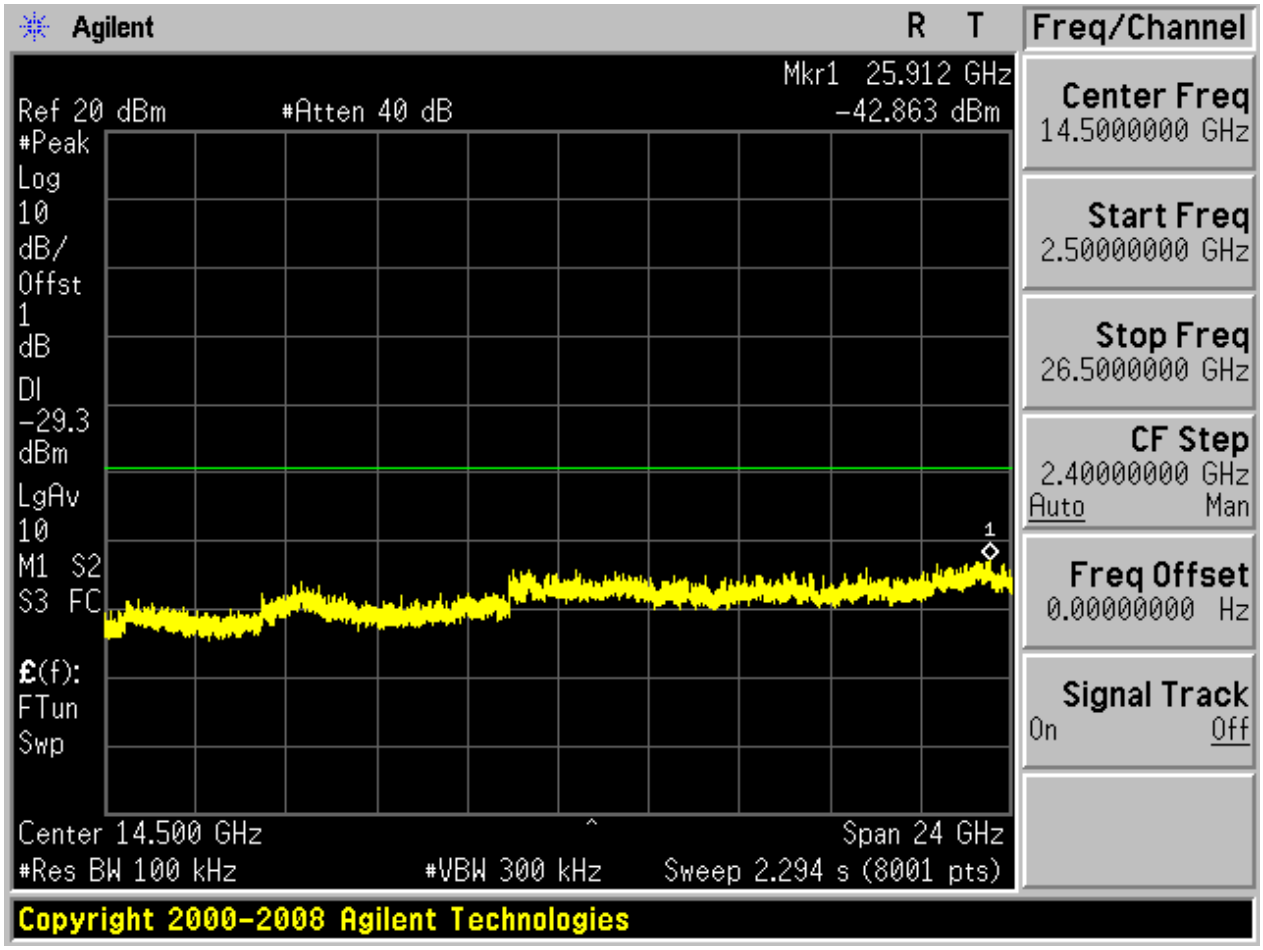

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2.17 11N20_H@Ant 1

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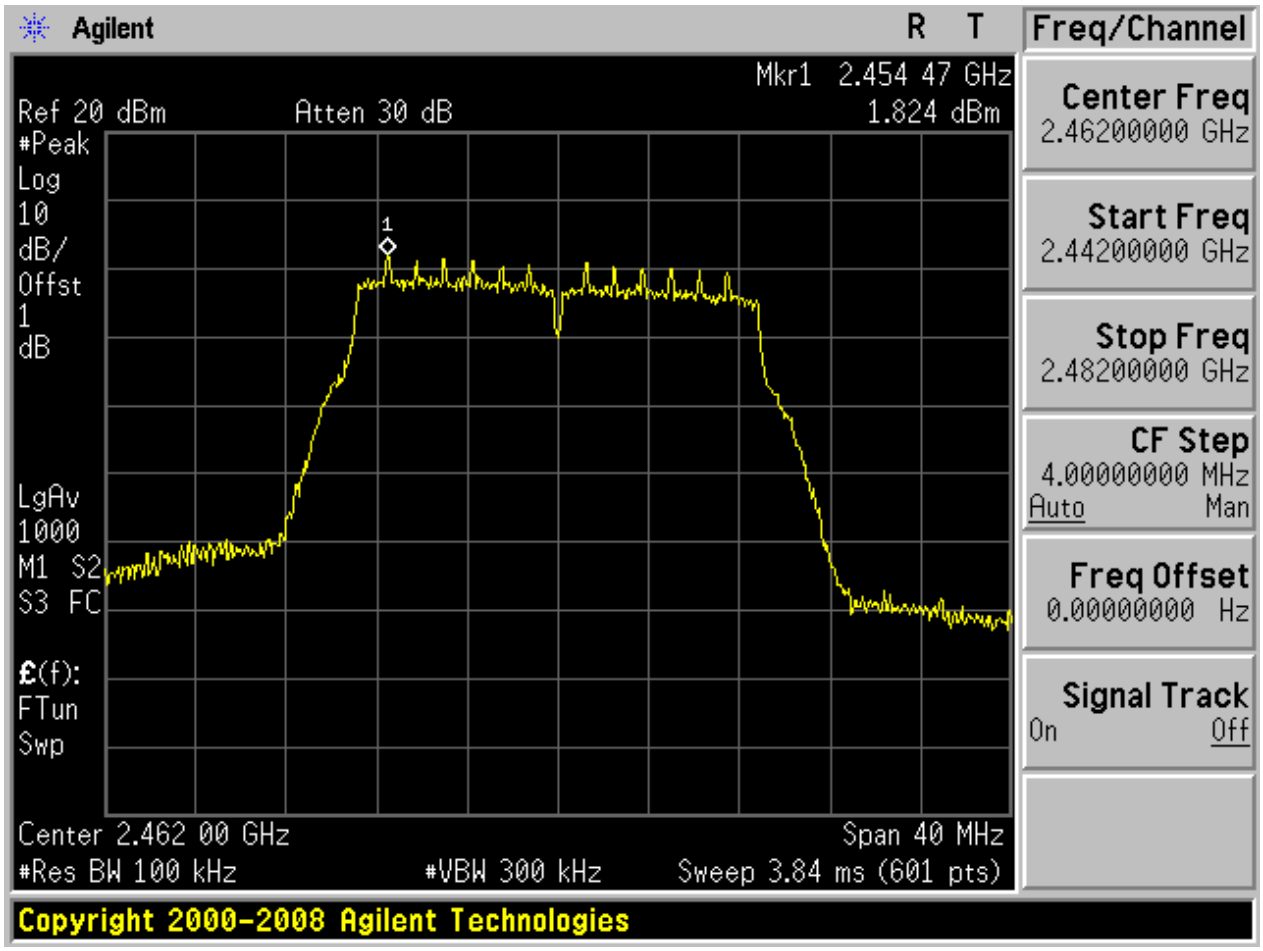

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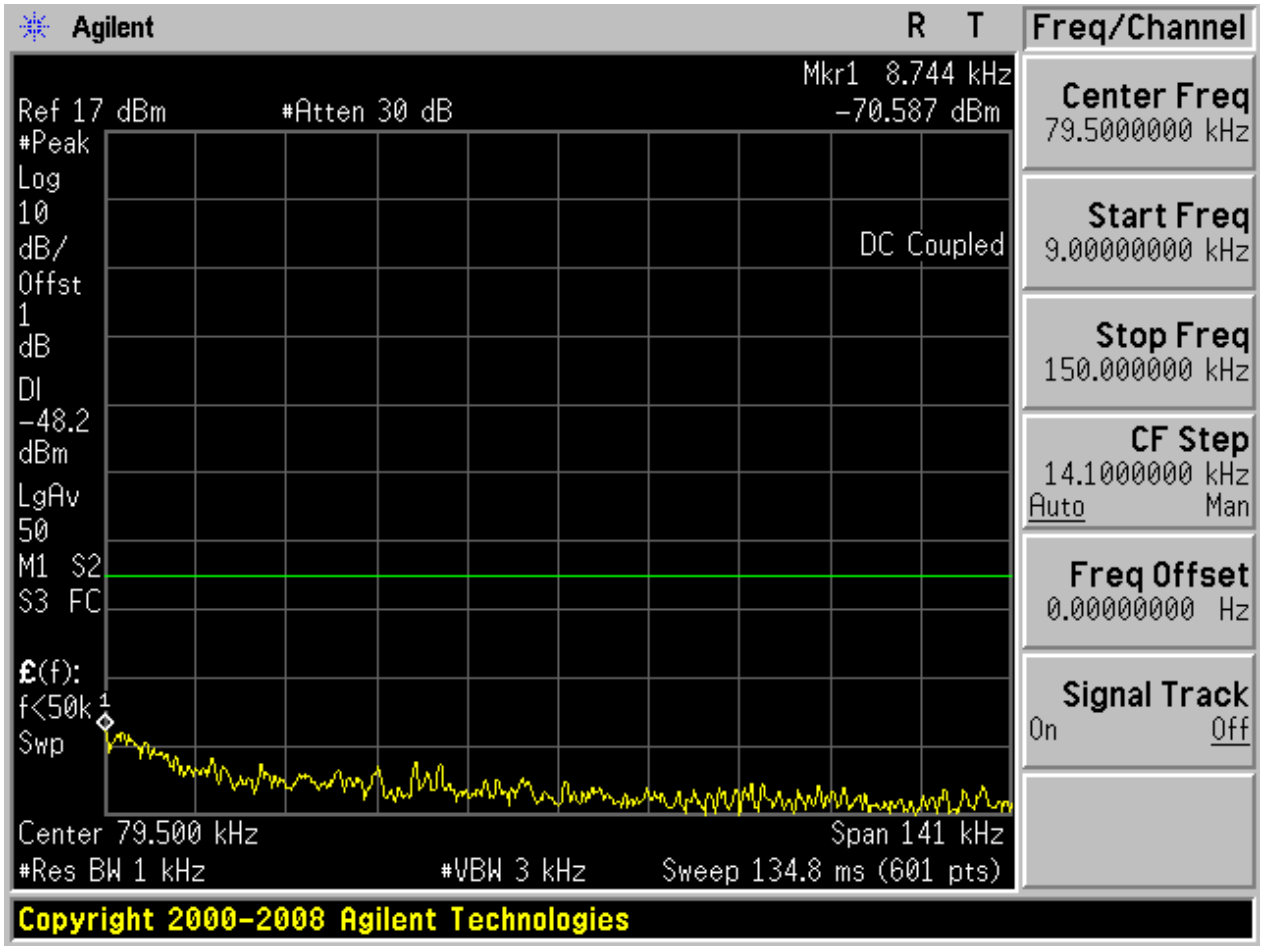

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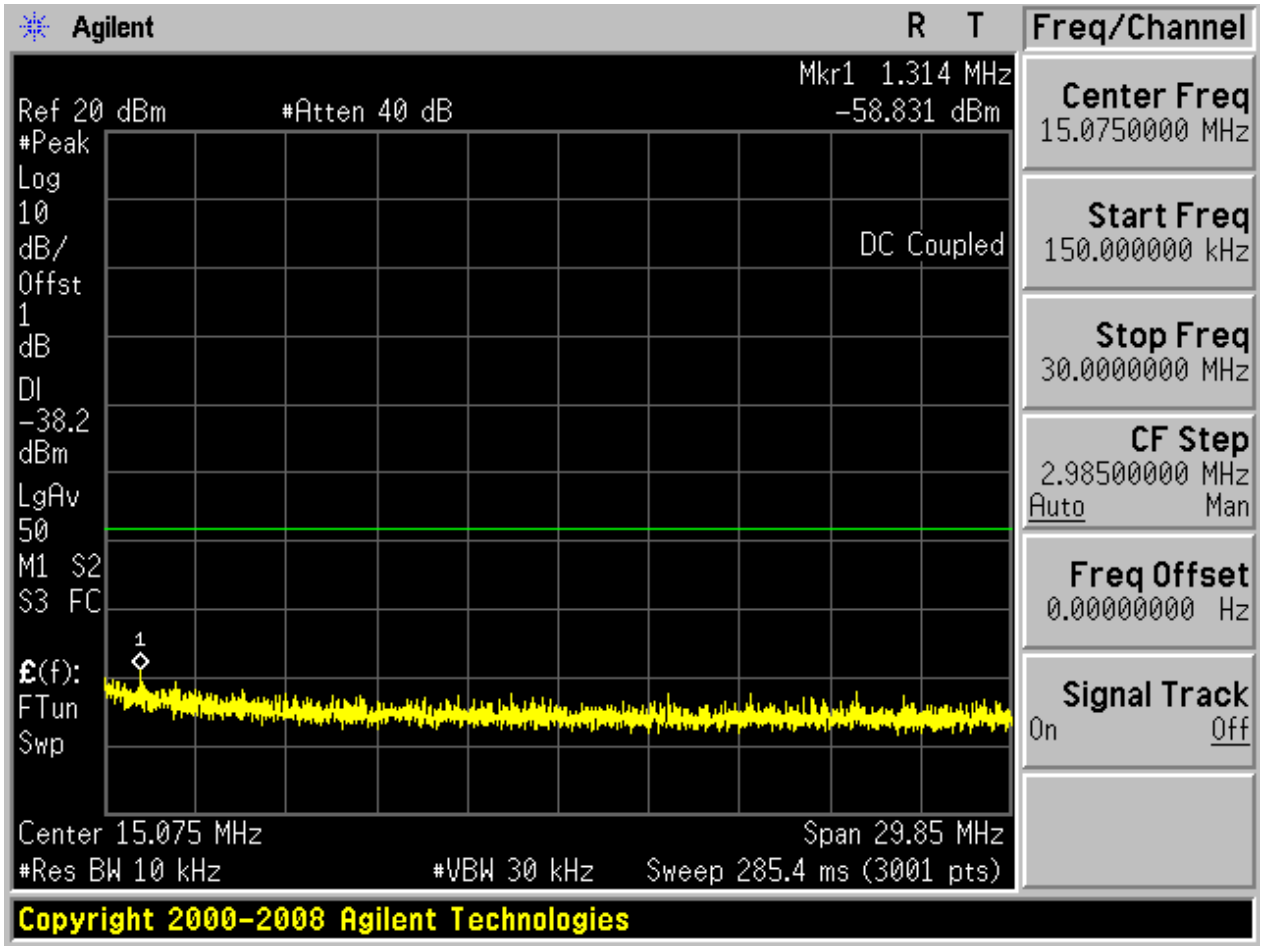

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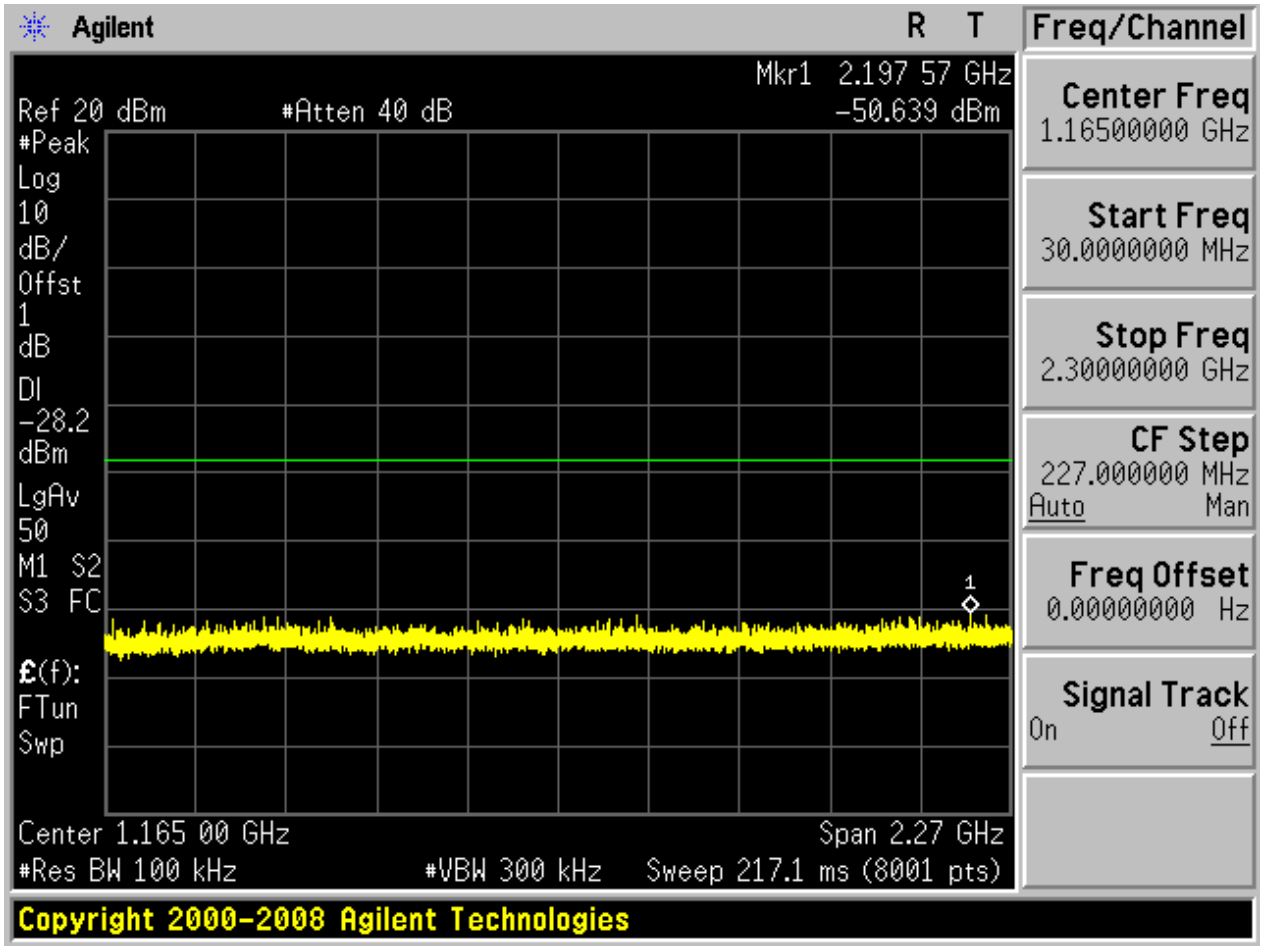

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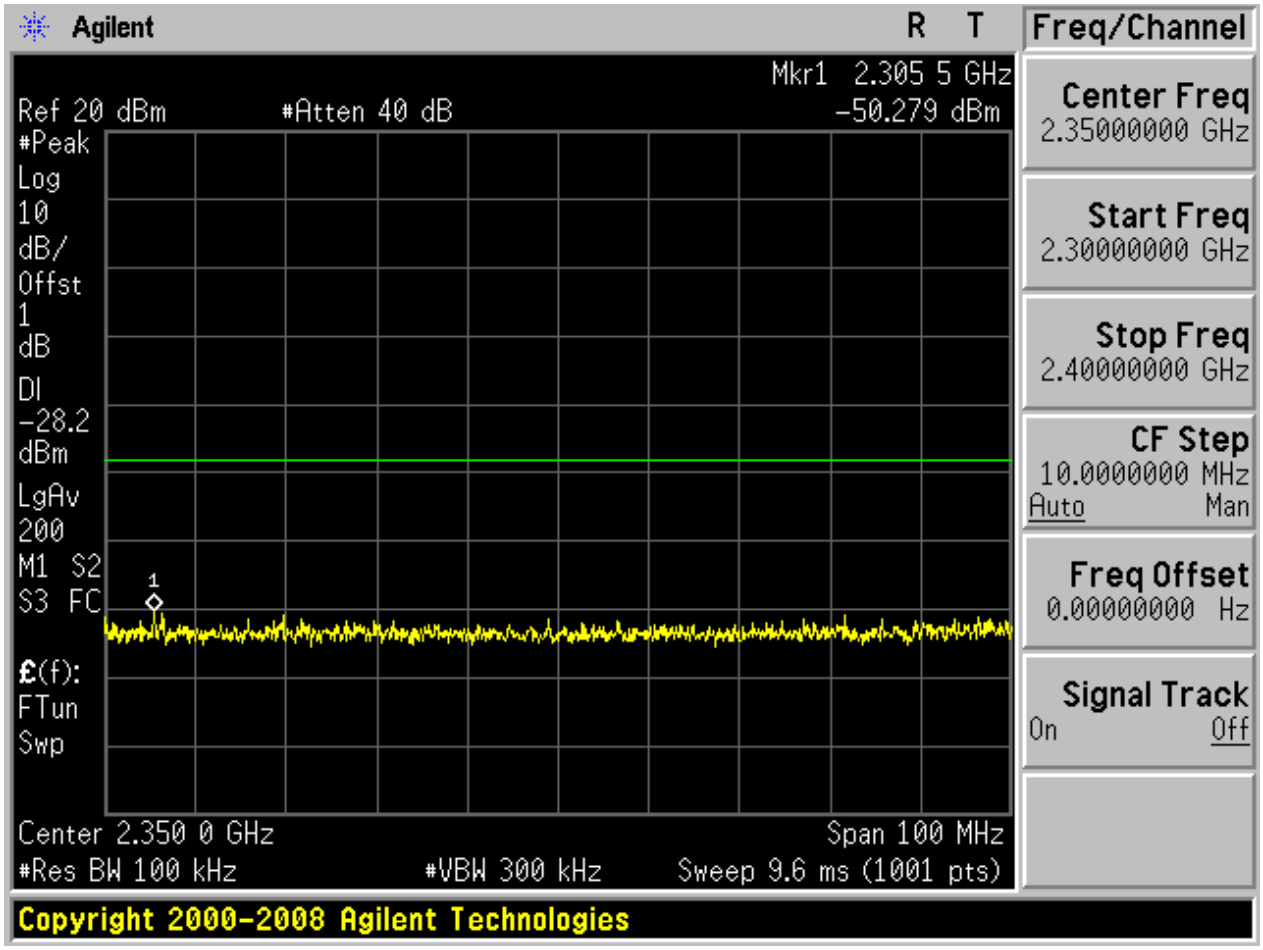

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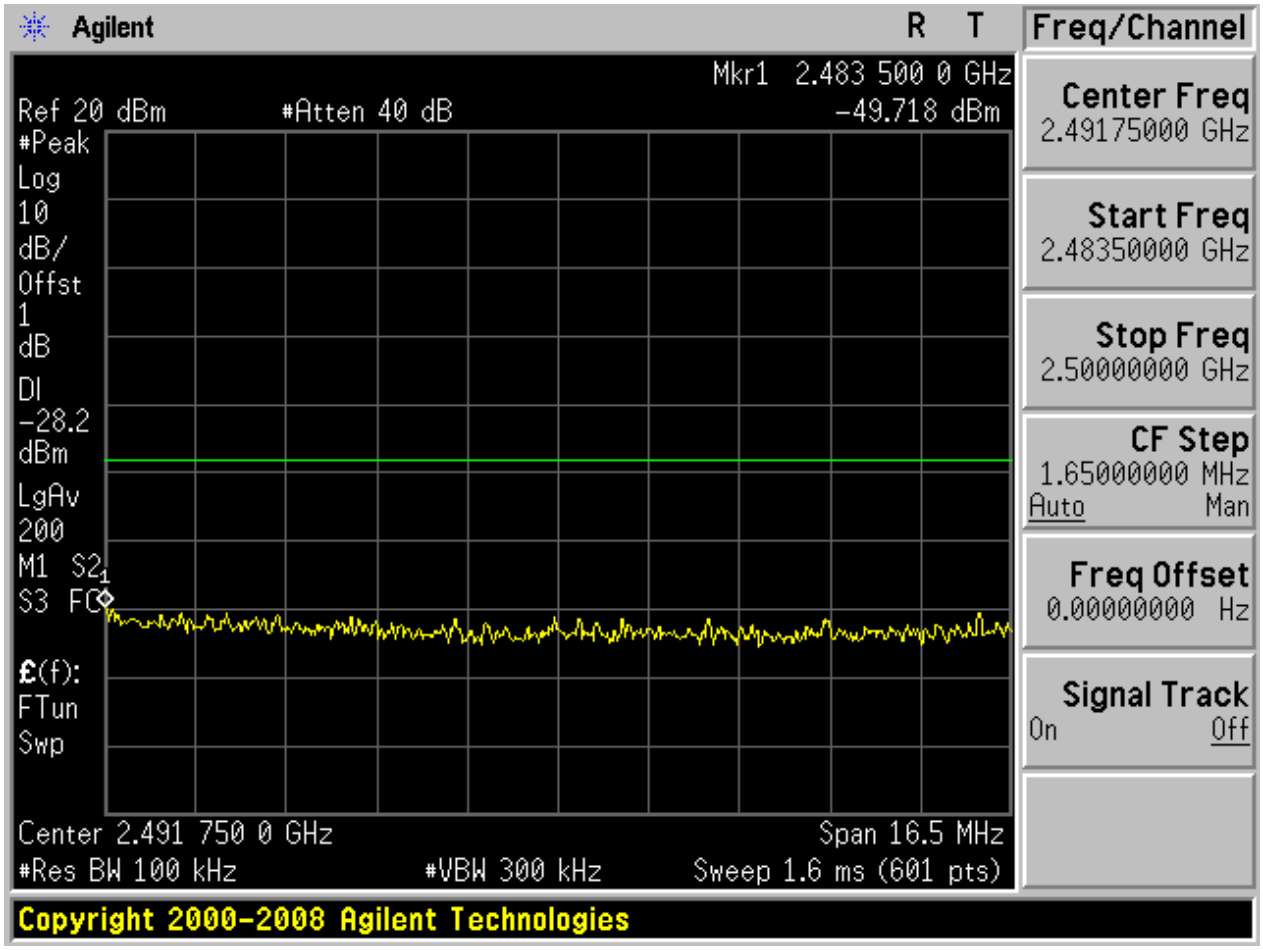

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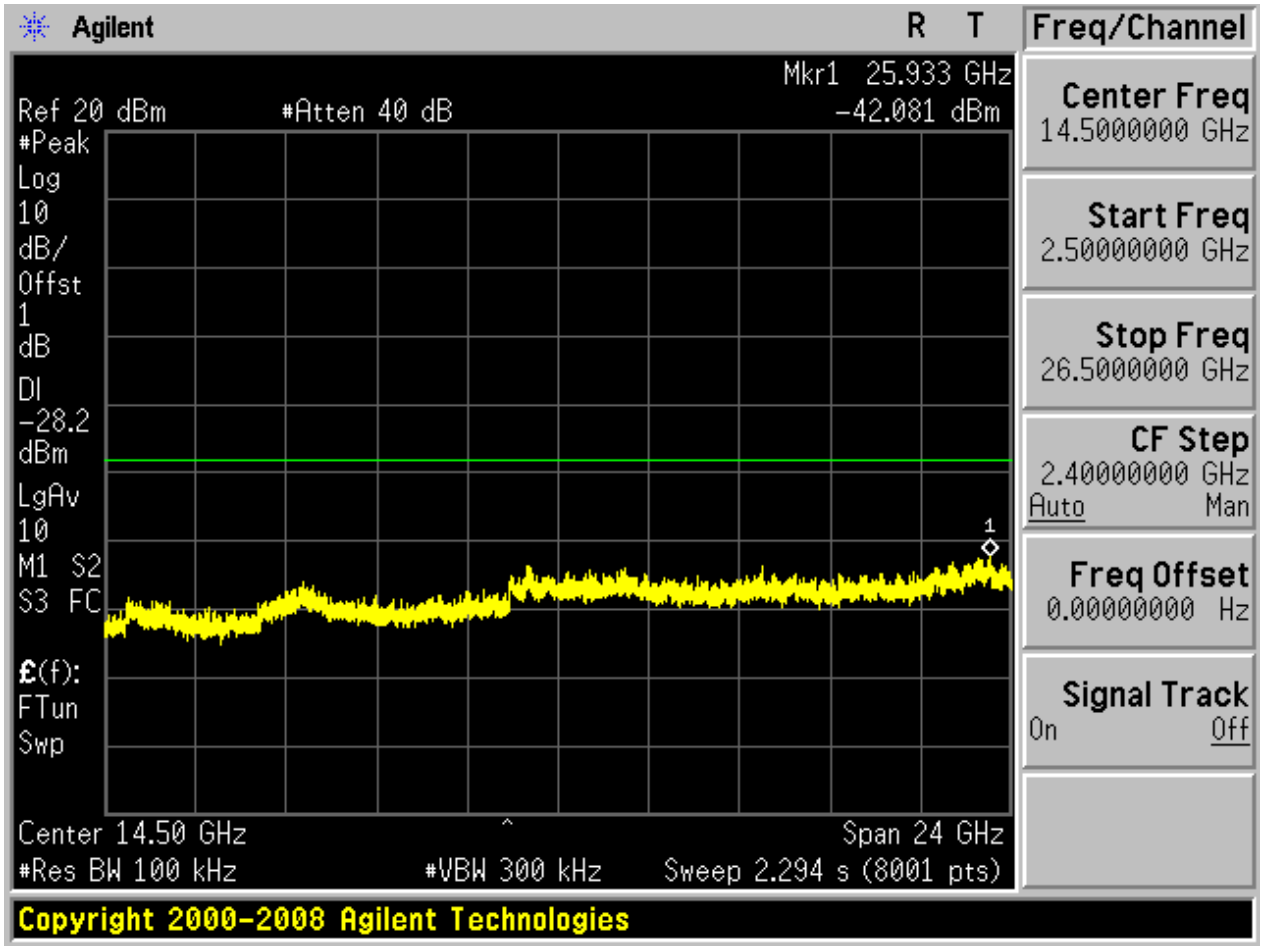

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2.18 11N20_H@Ant 2

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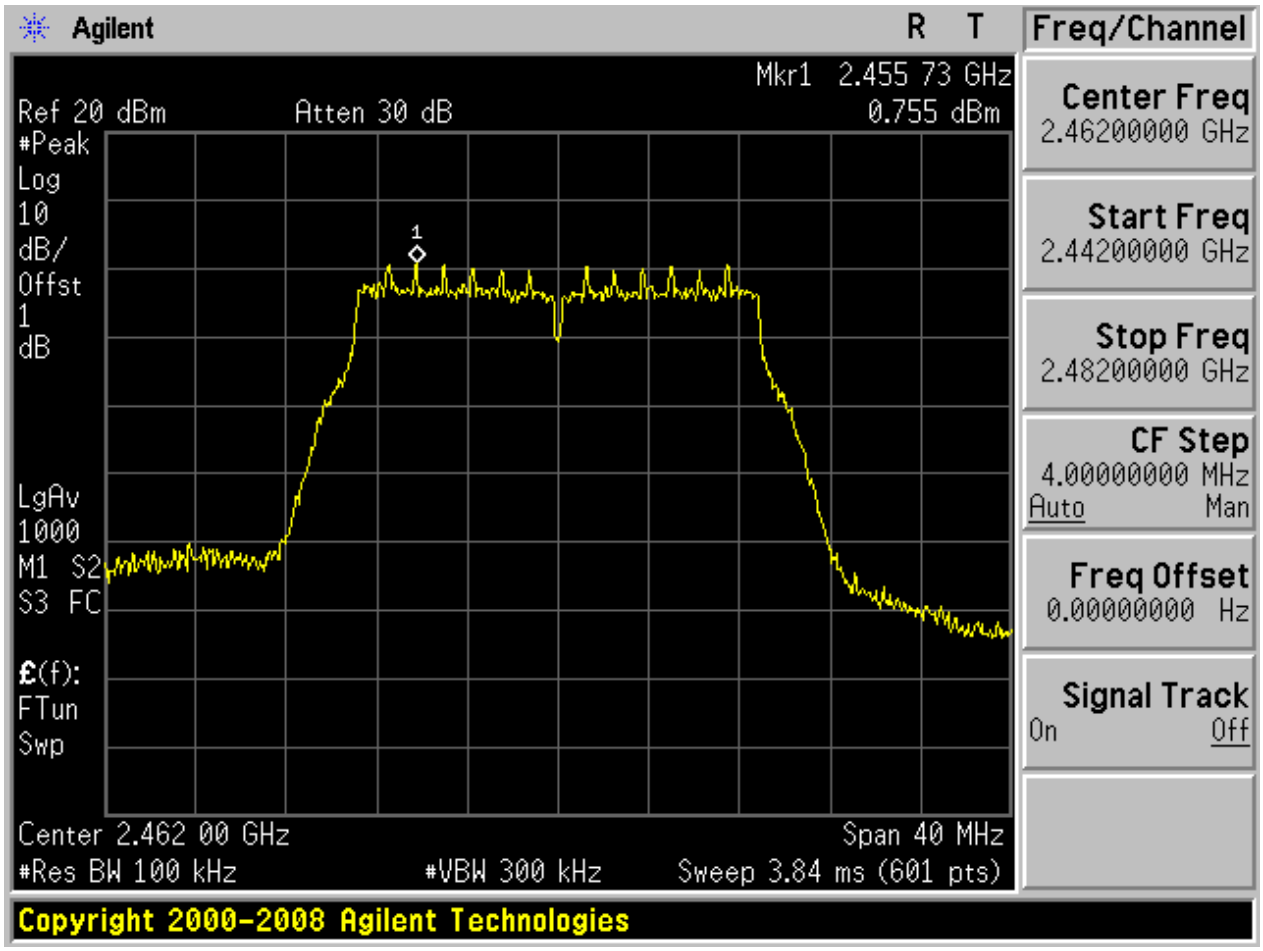

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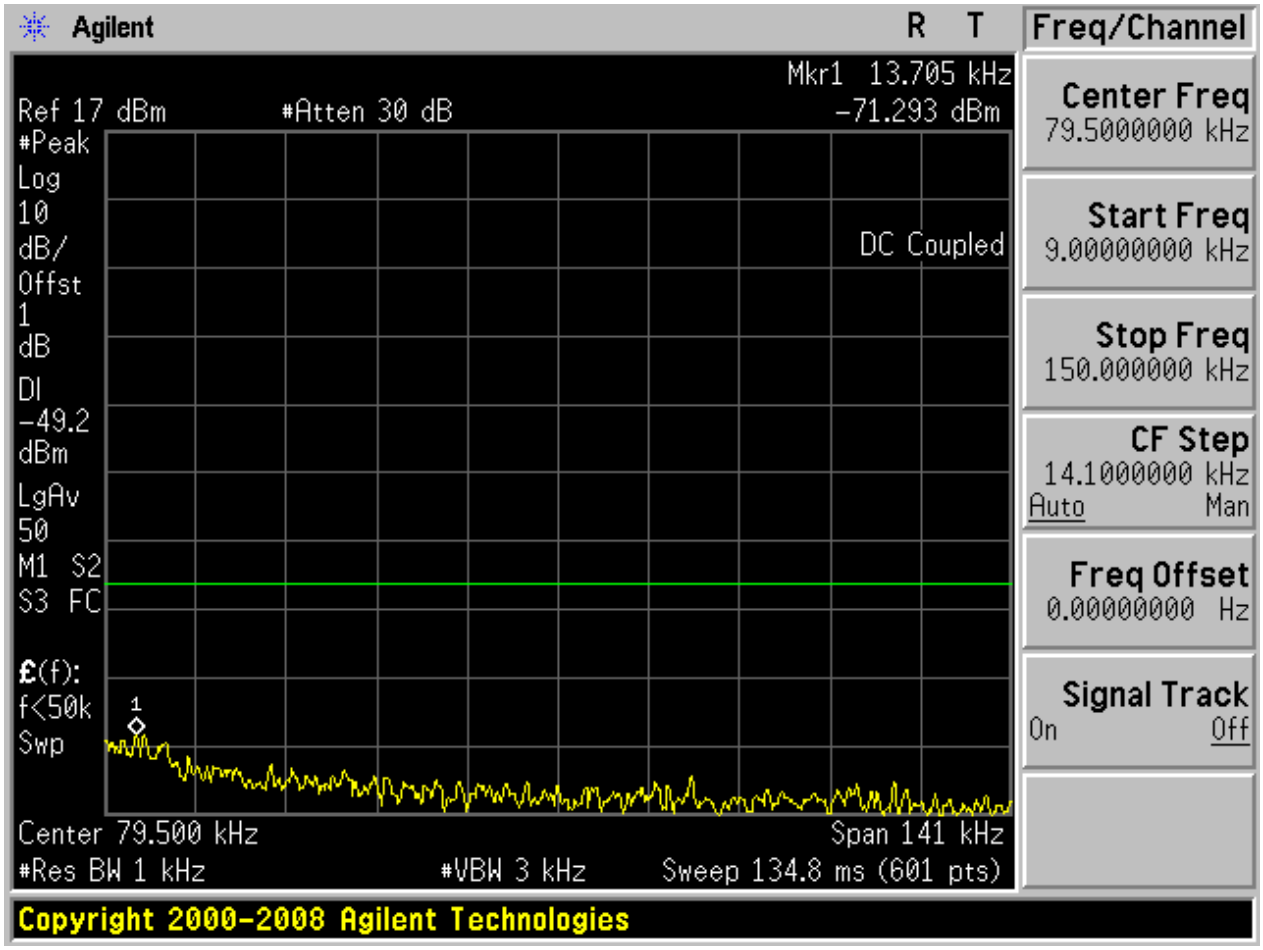

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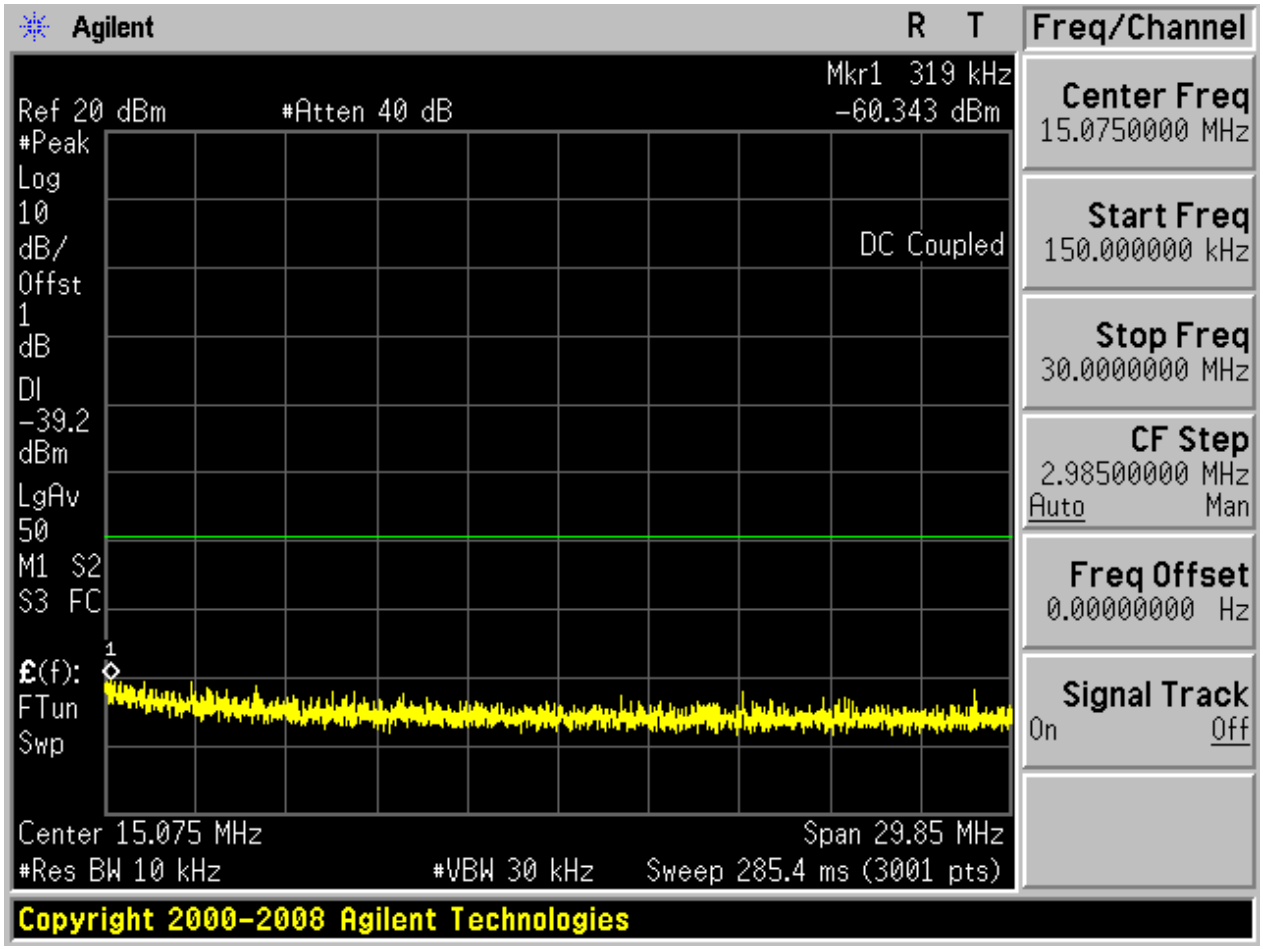

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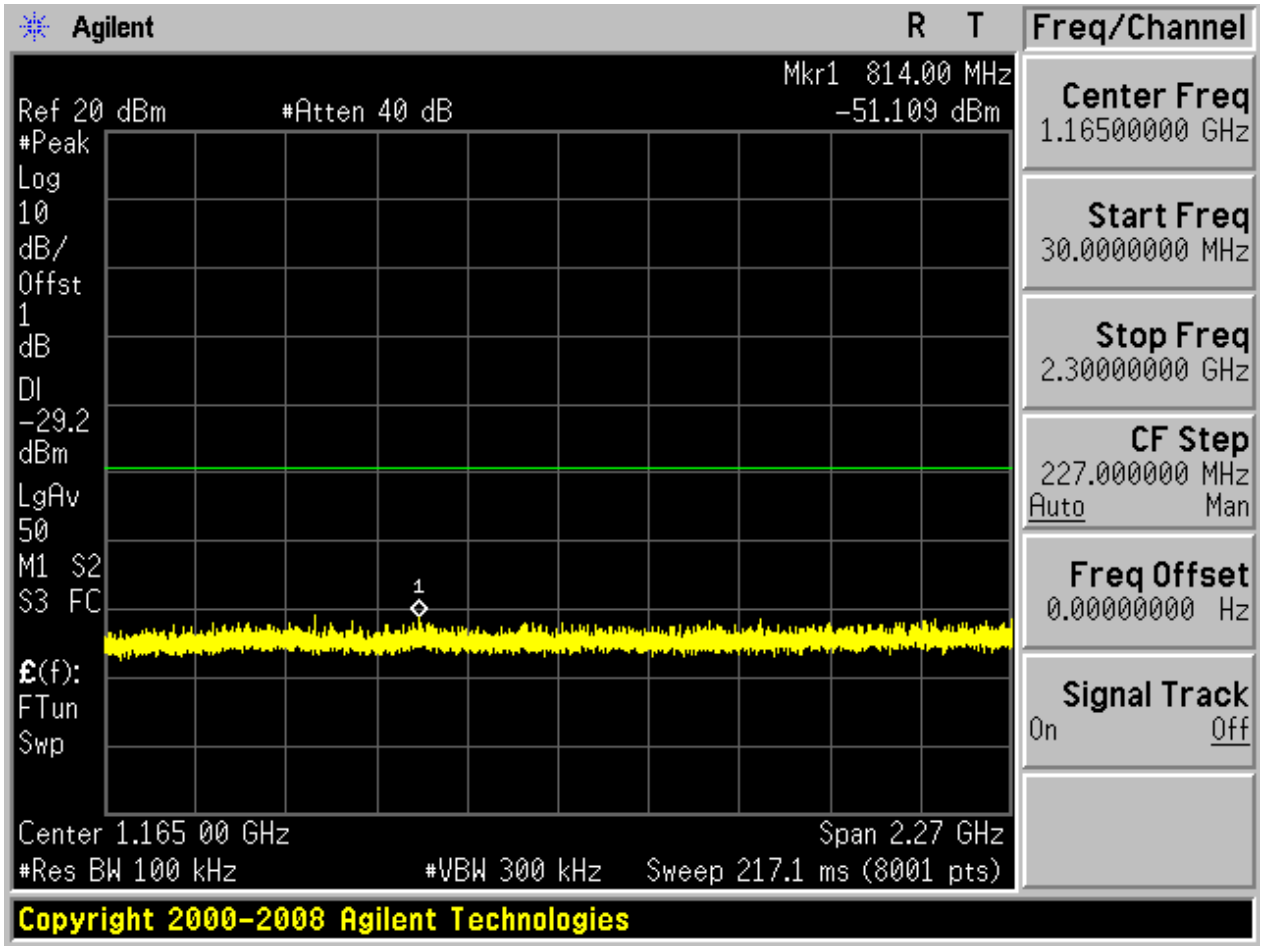

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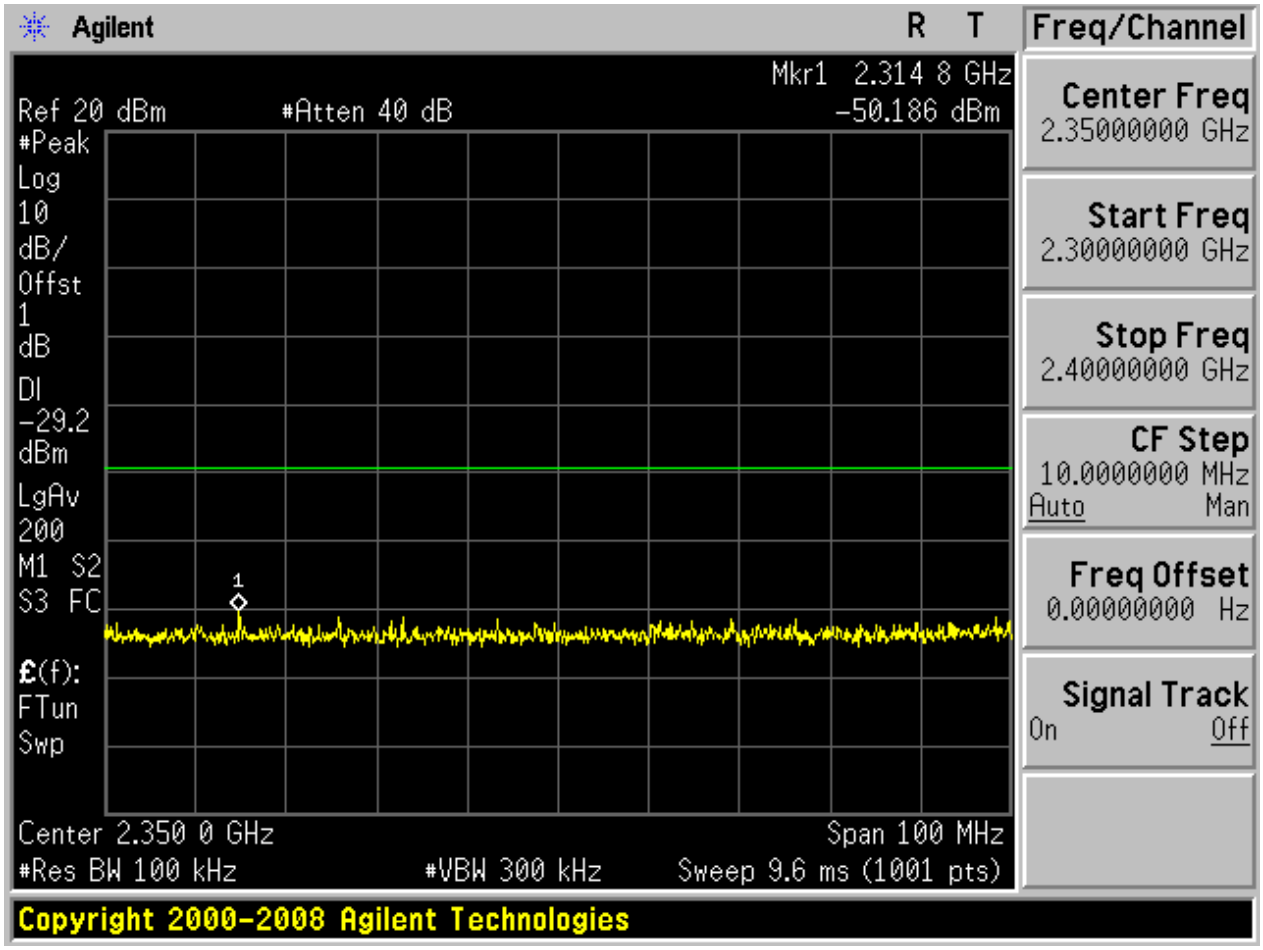

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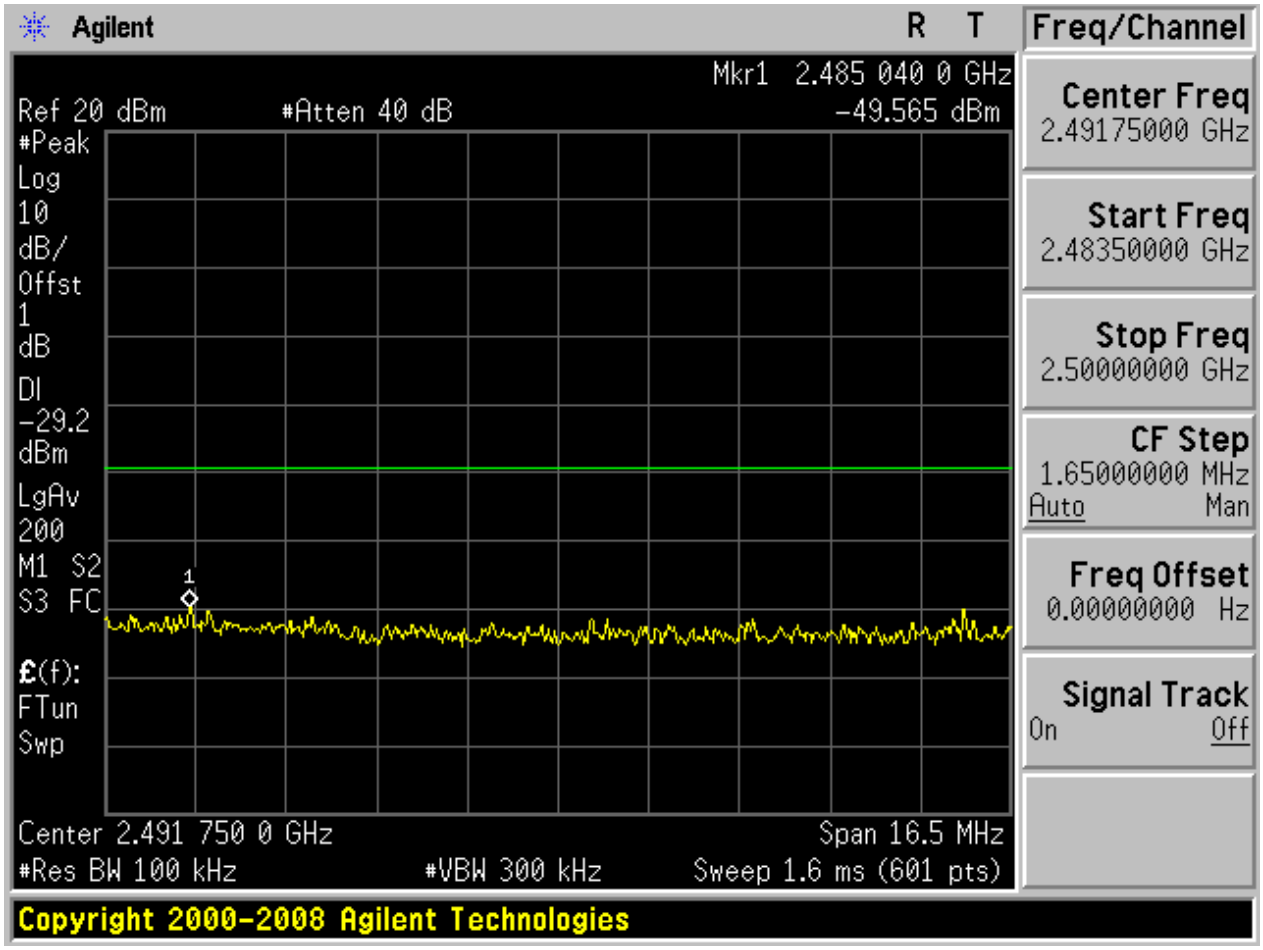
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Freq/Channel
Mkr1 2.485 040 0 GHz
Ref 20 dBm
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-49.565 dBm
#Peak
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dBm
LgAv
200
M1 S2
S3 FC
£(f):
FTun
Swp
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Center Freq
2.49175000 GHz
Start Freq
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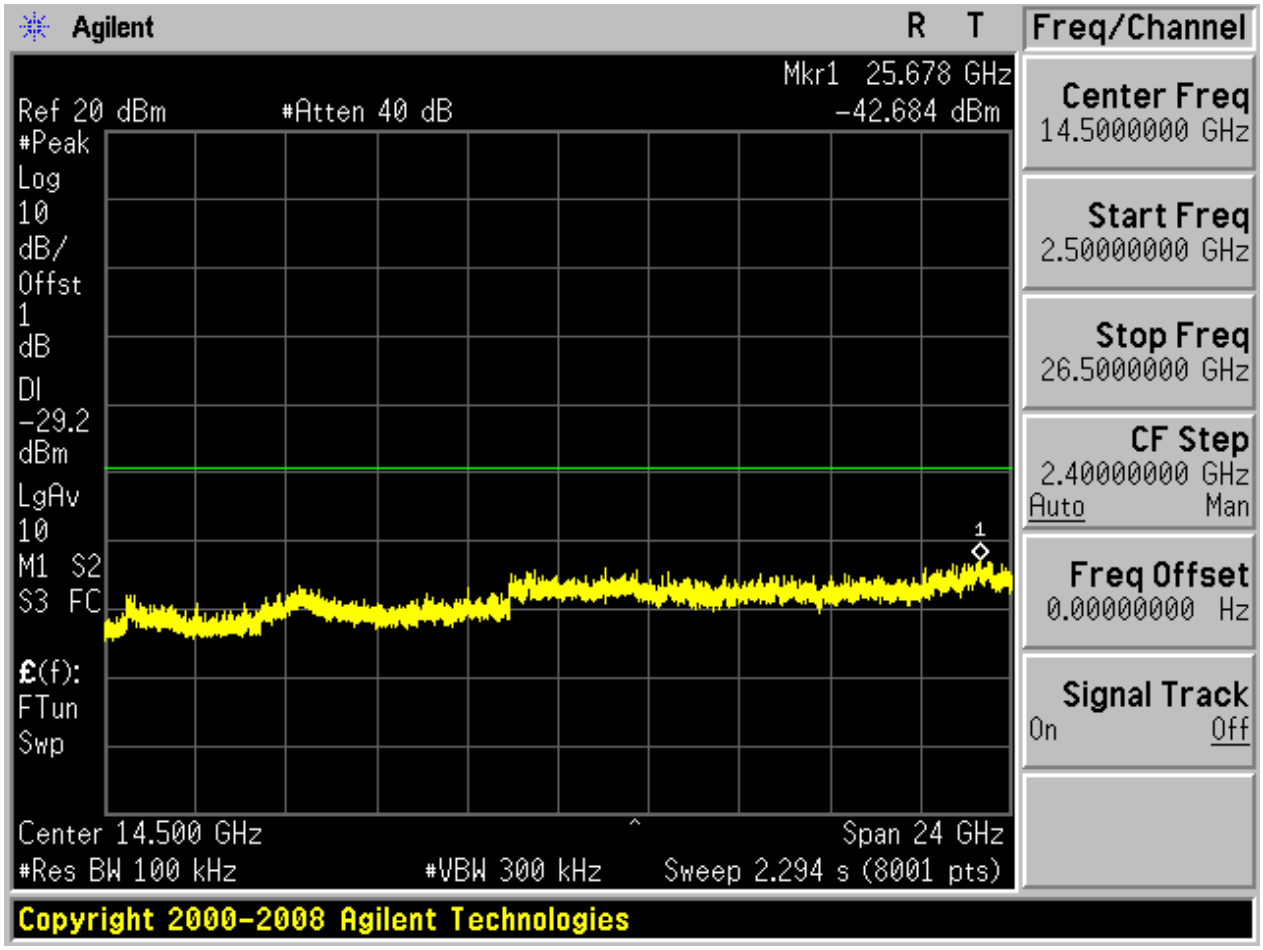

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2.19 11N20m_L@Ant 1

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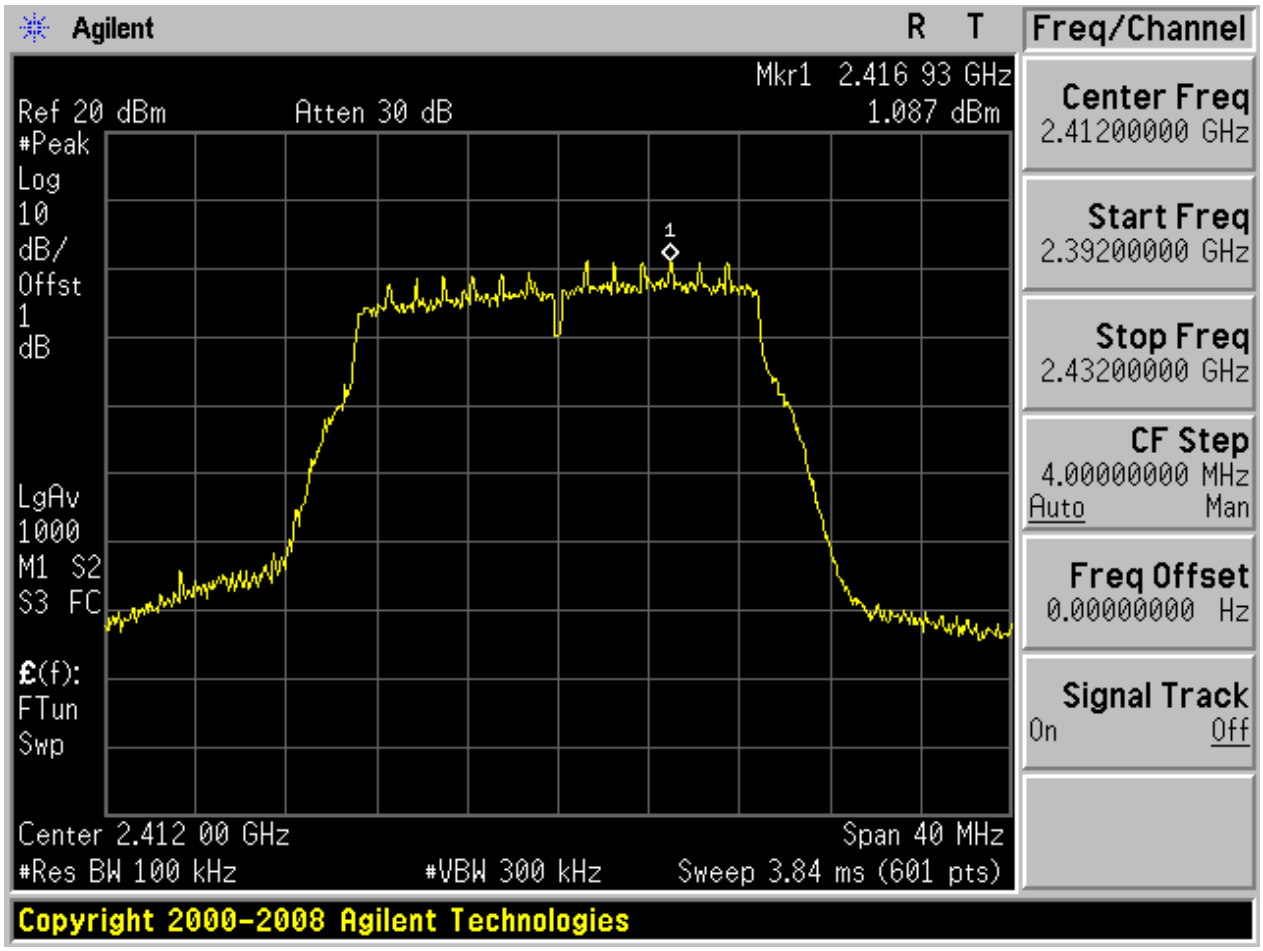

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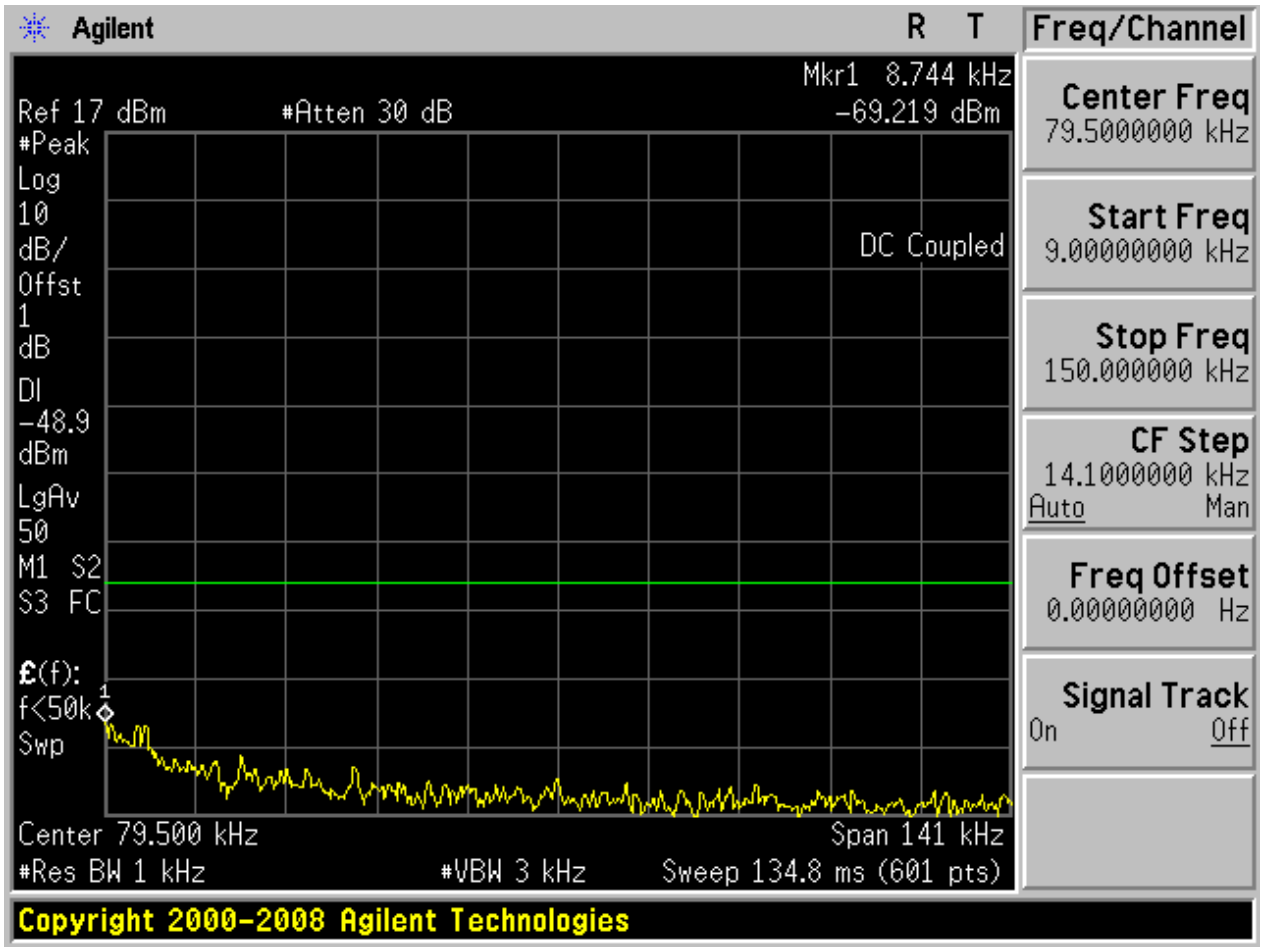

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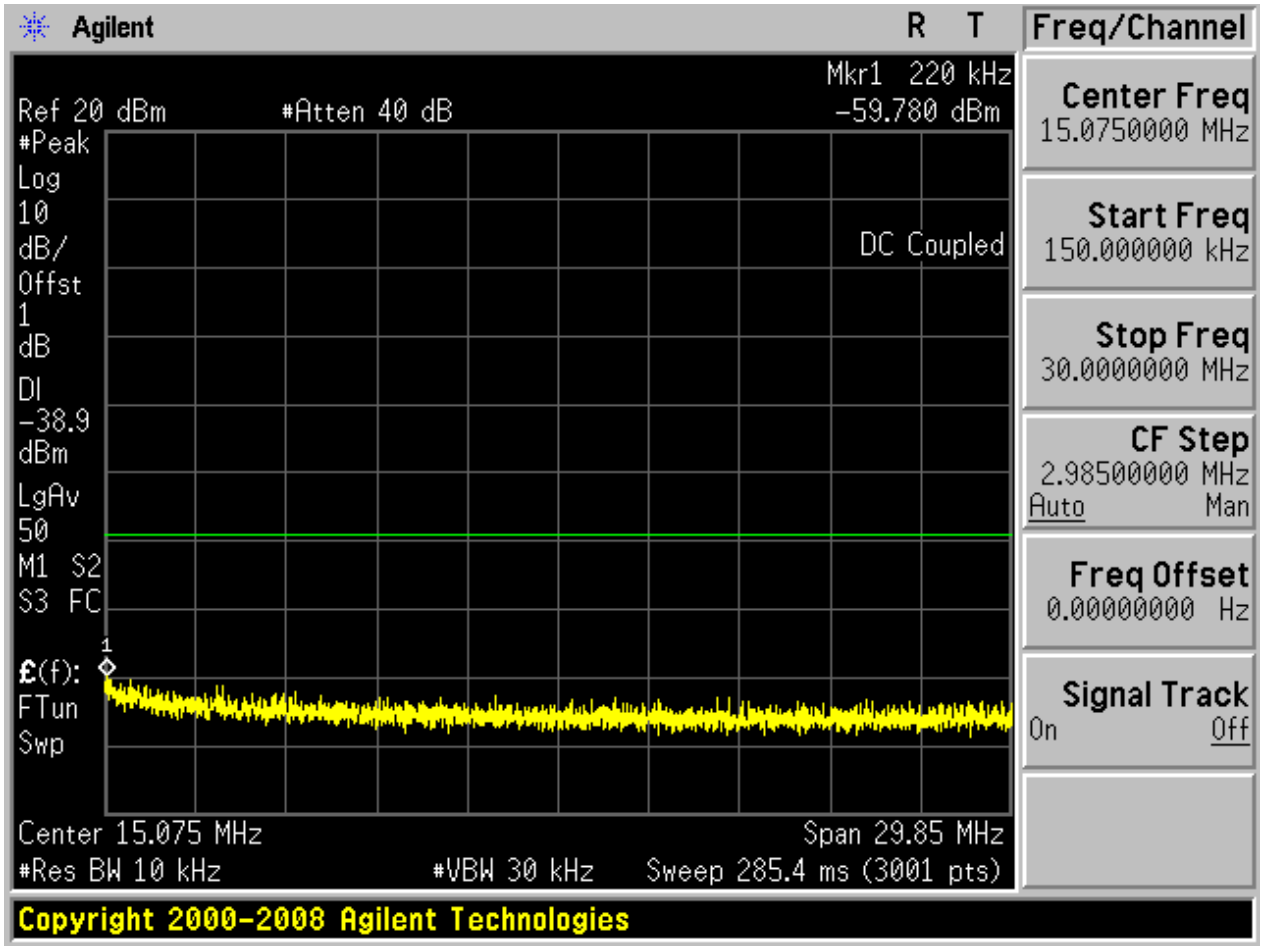

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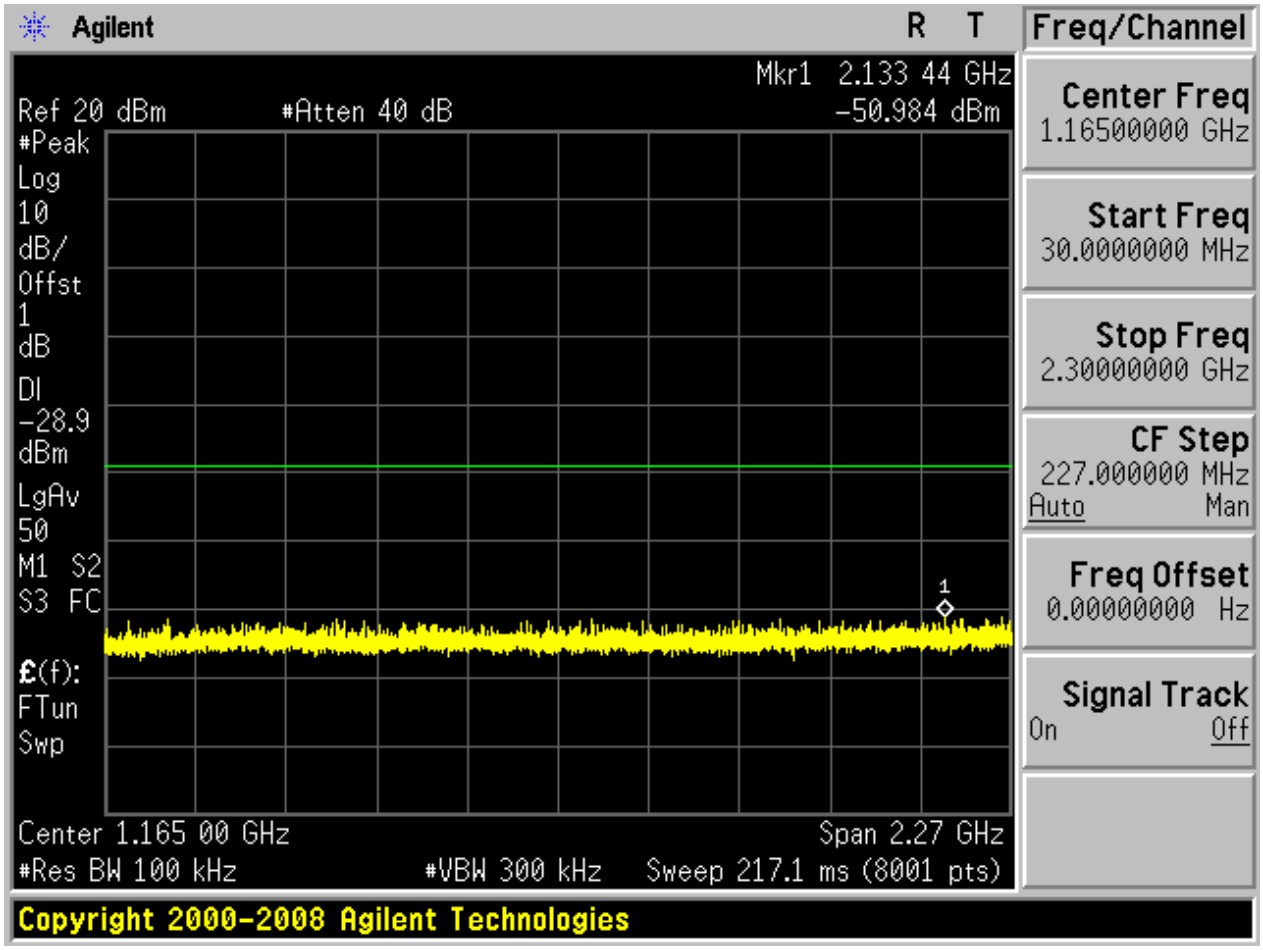

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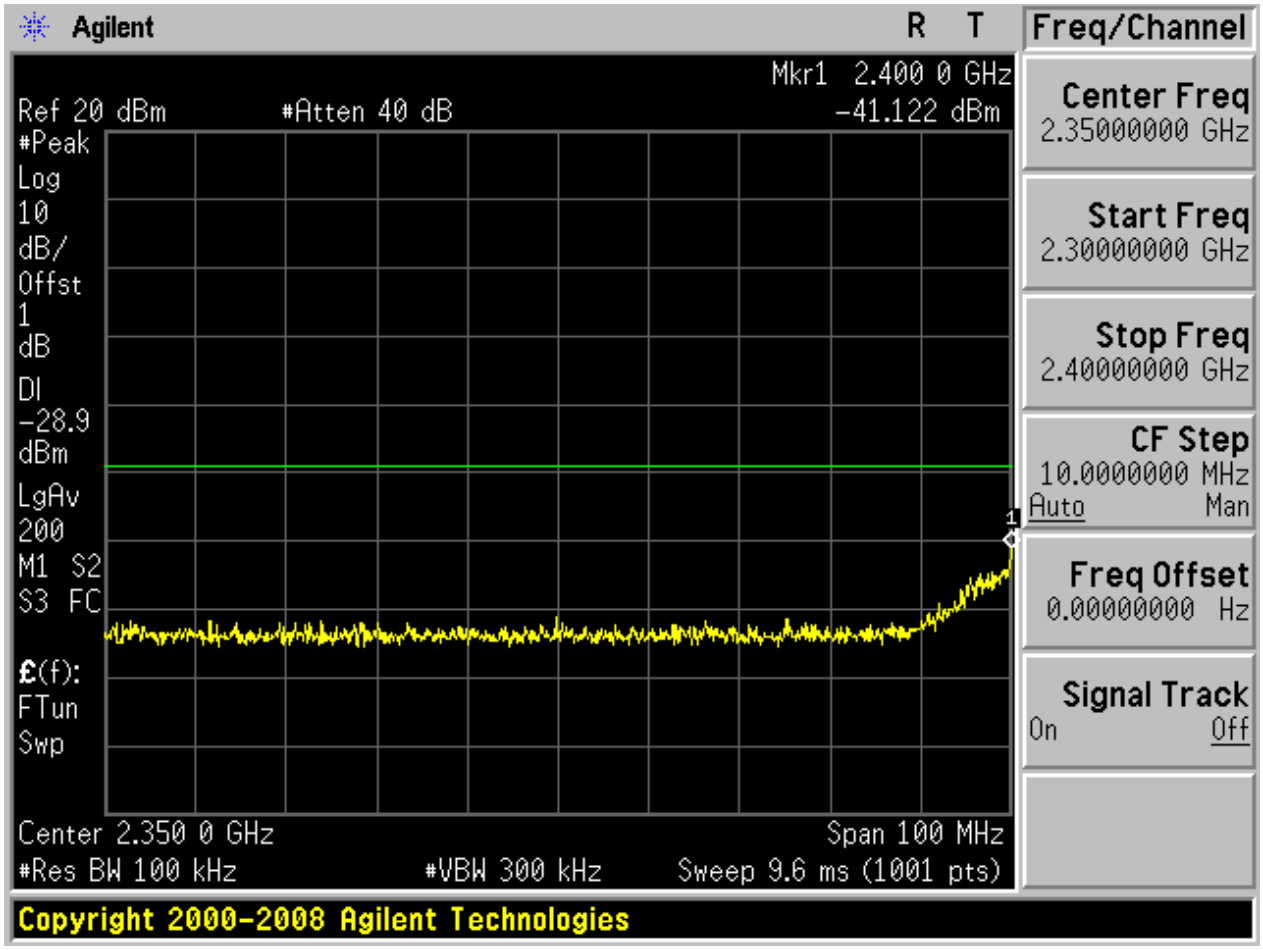

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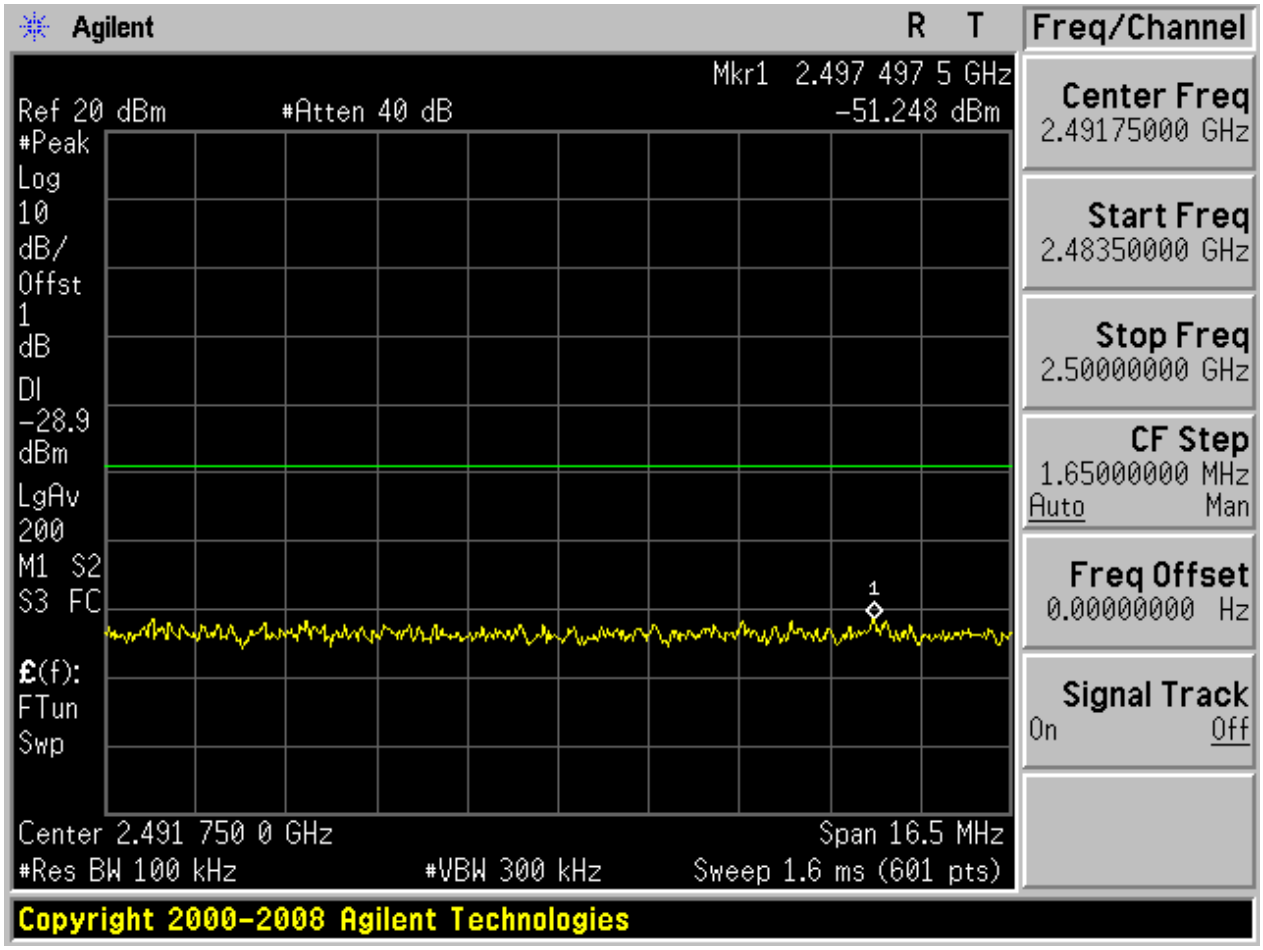

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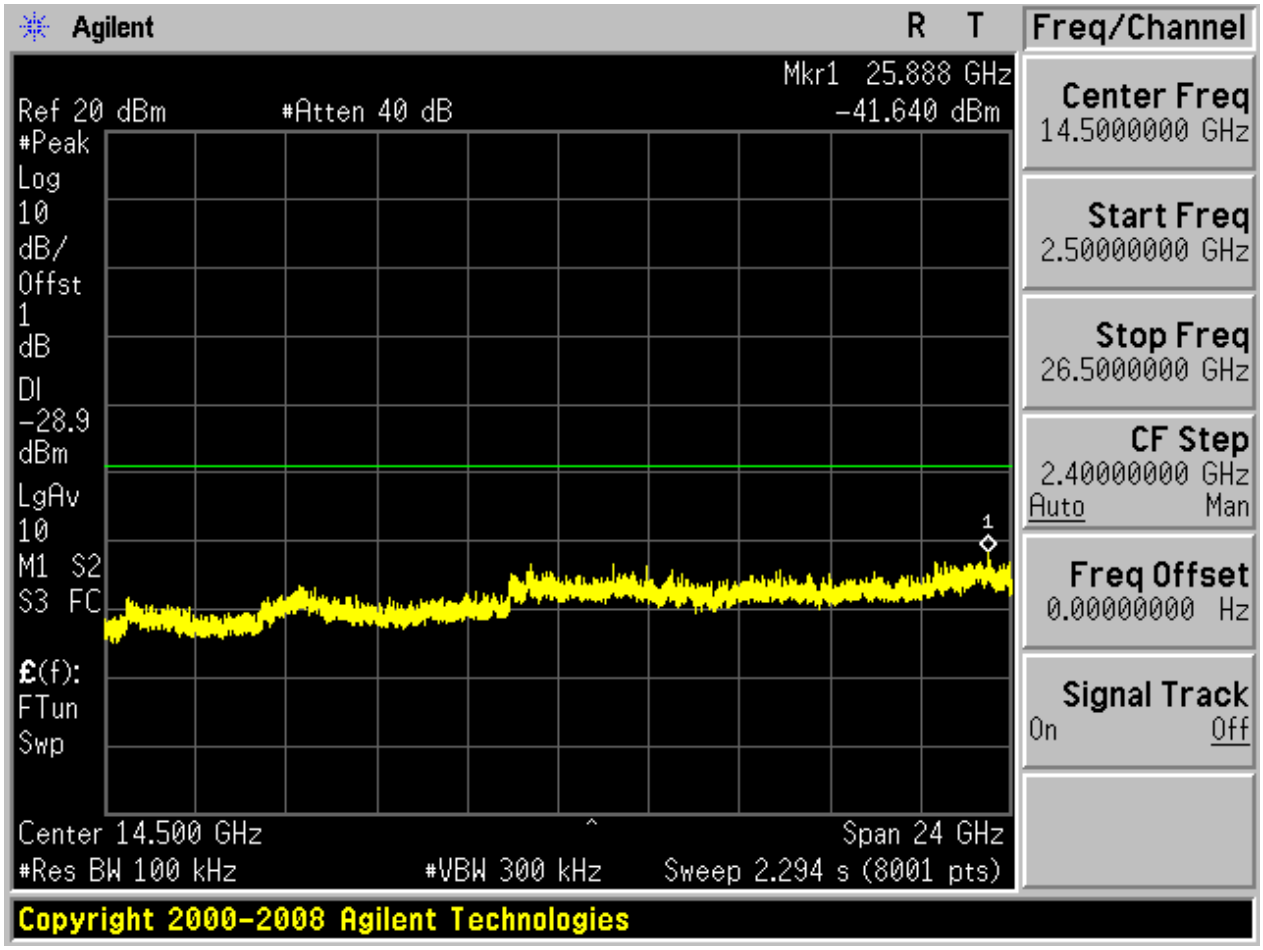

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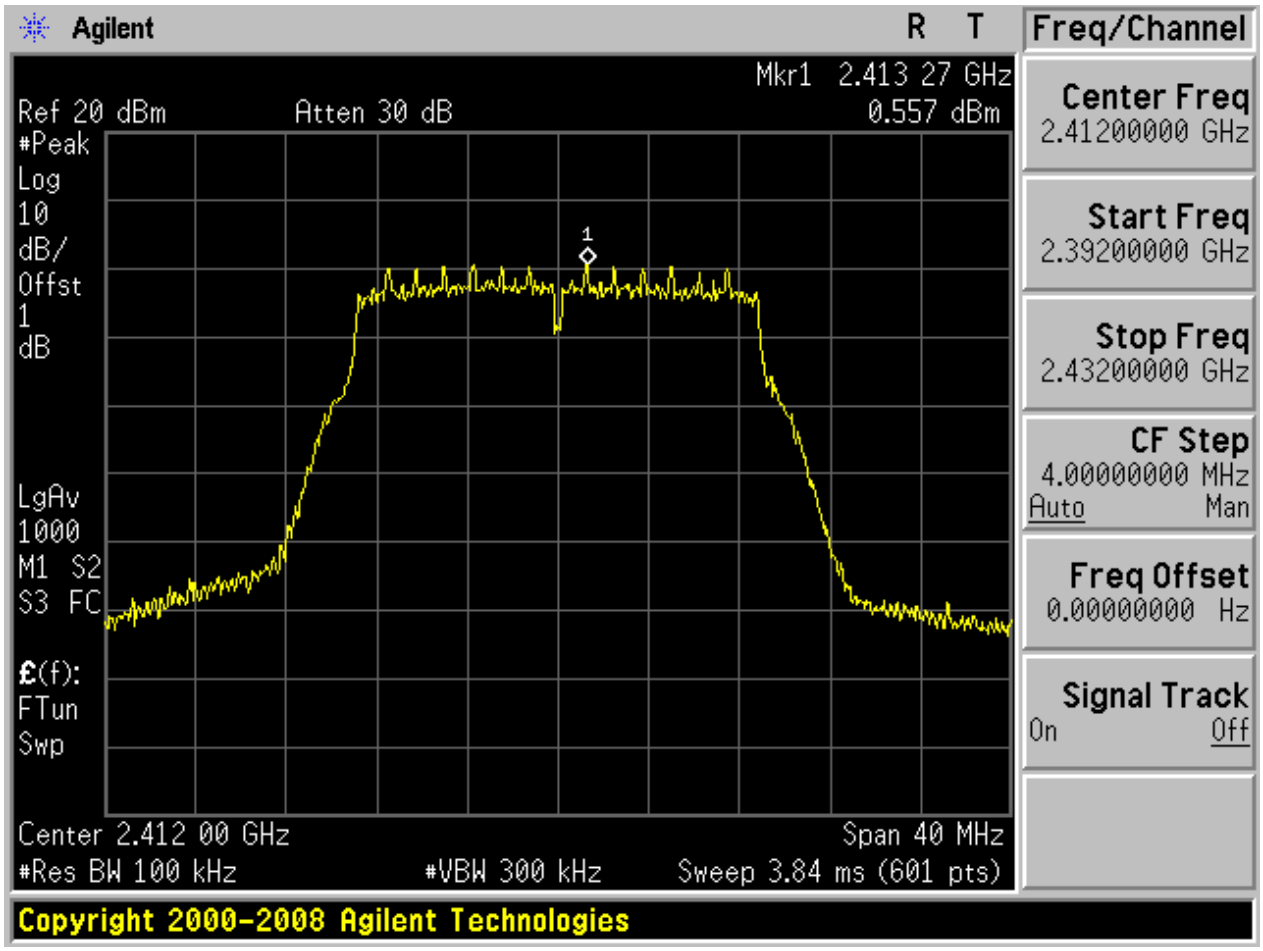

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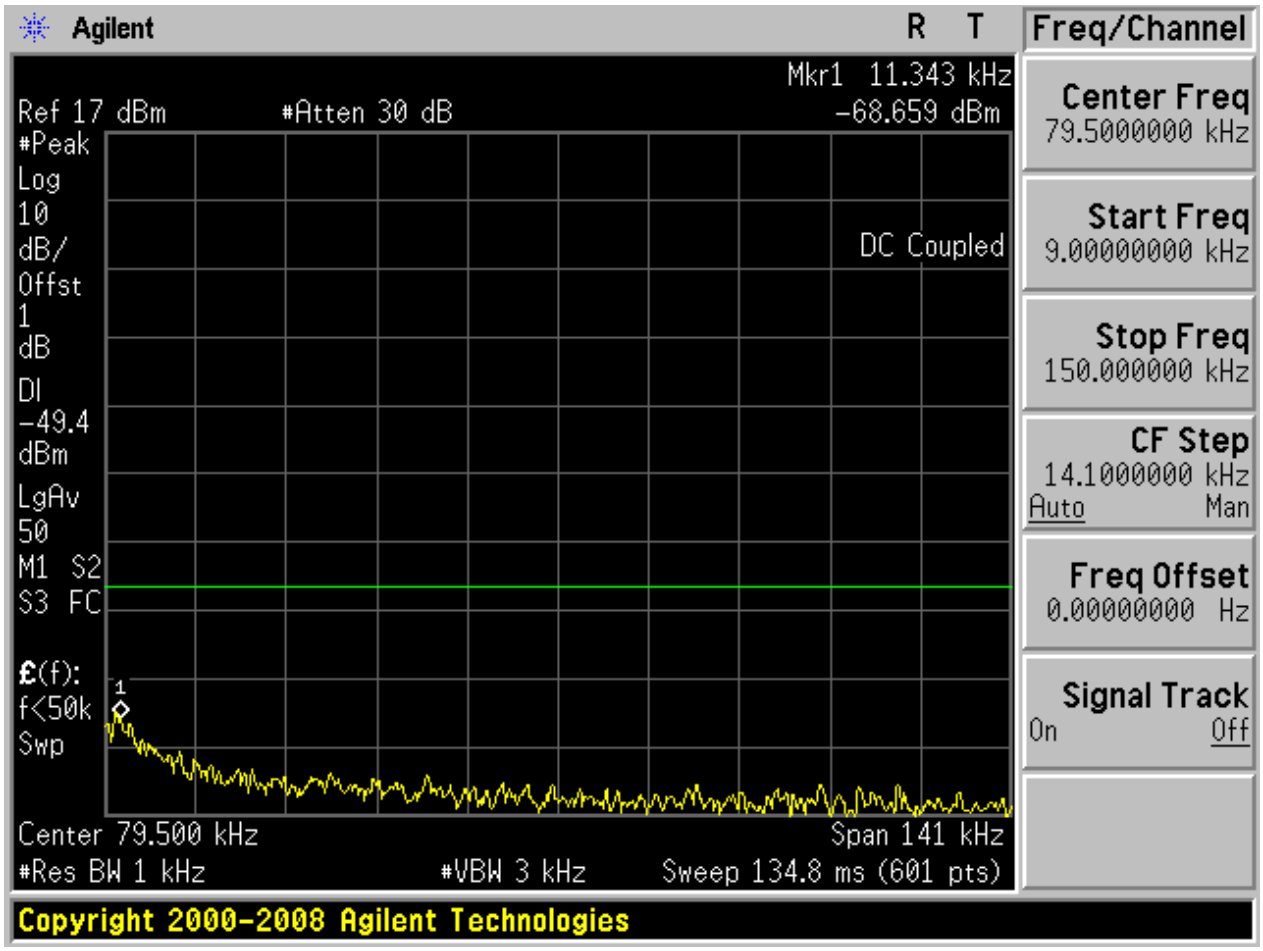

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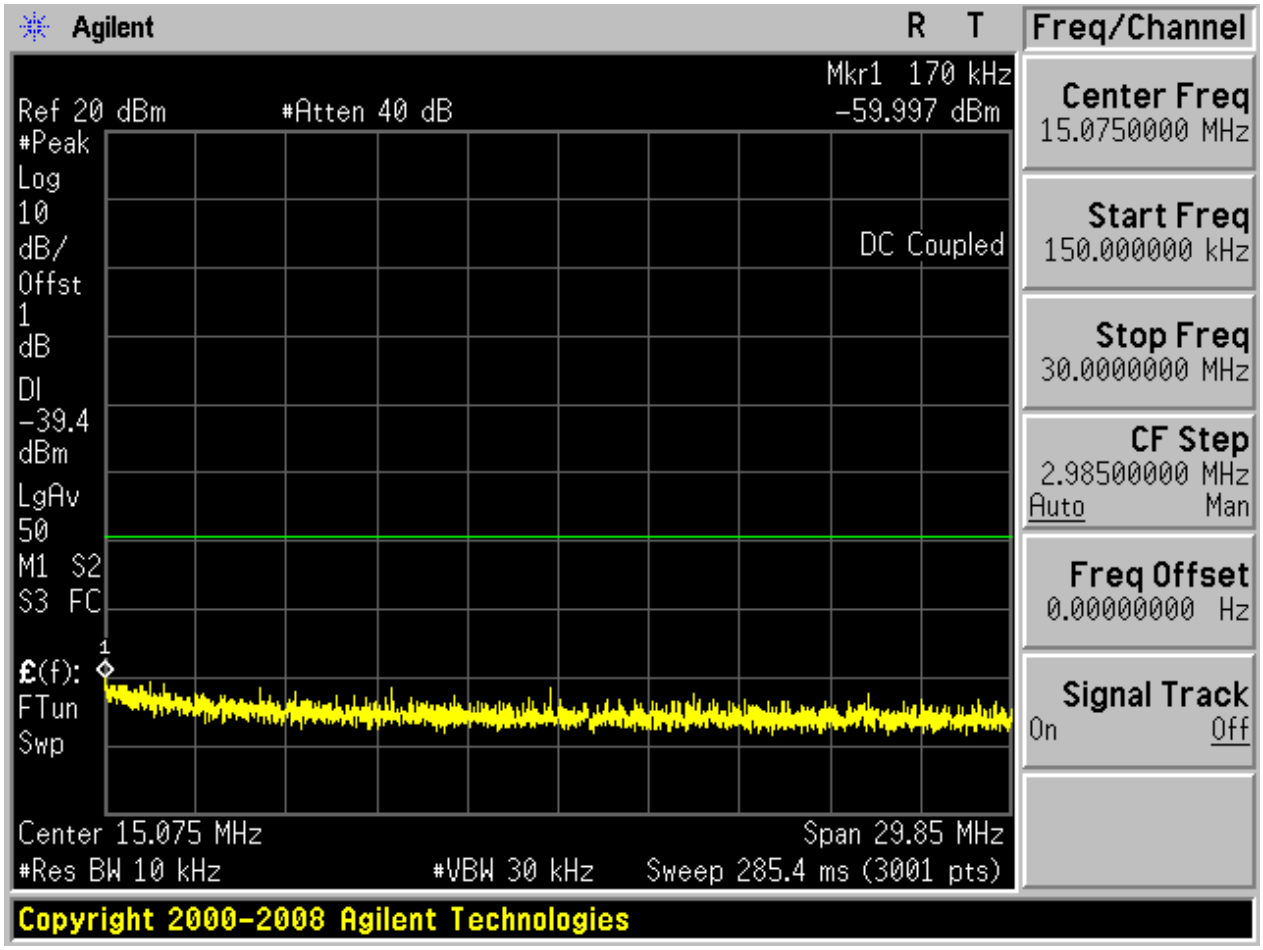

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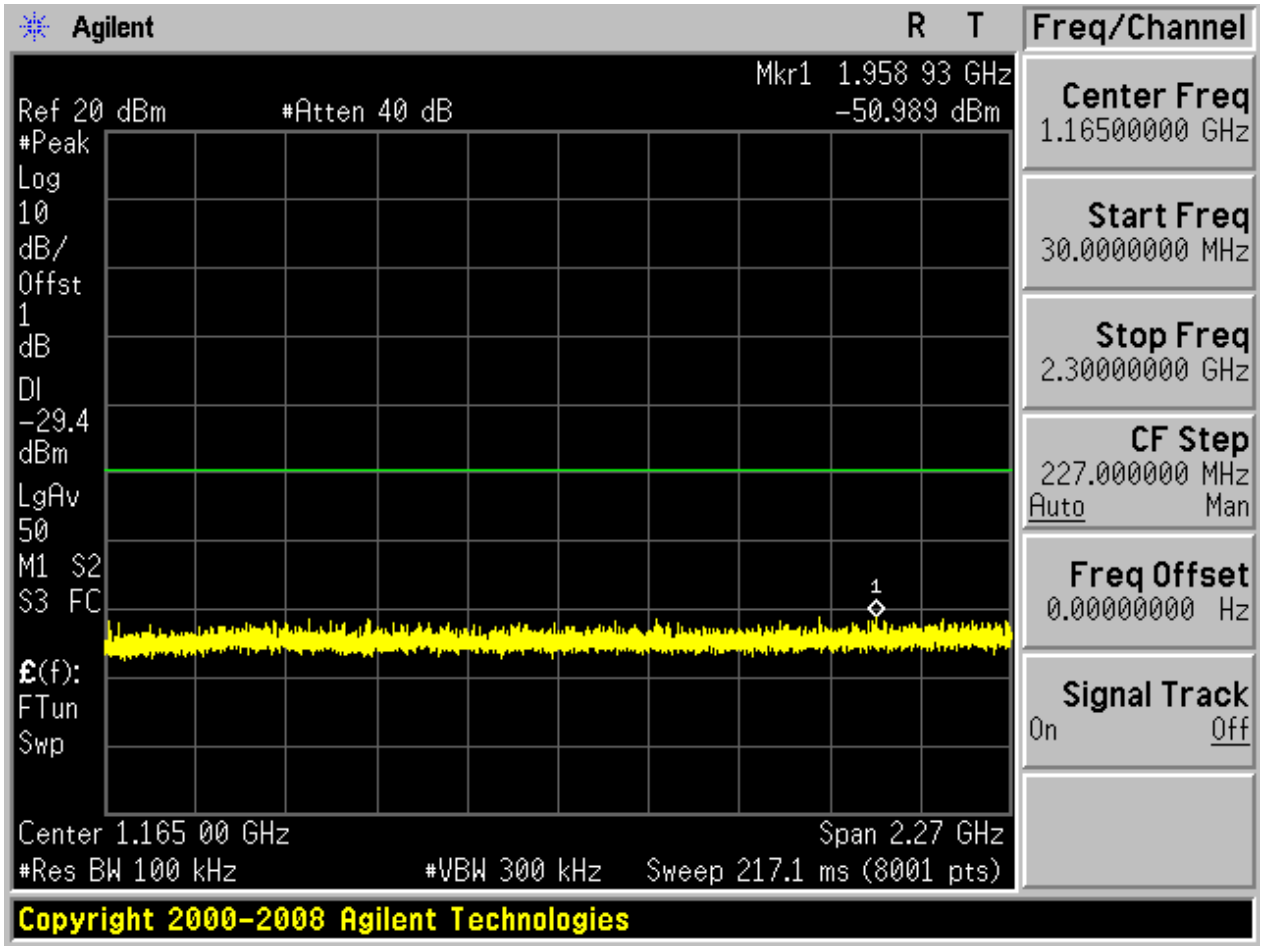

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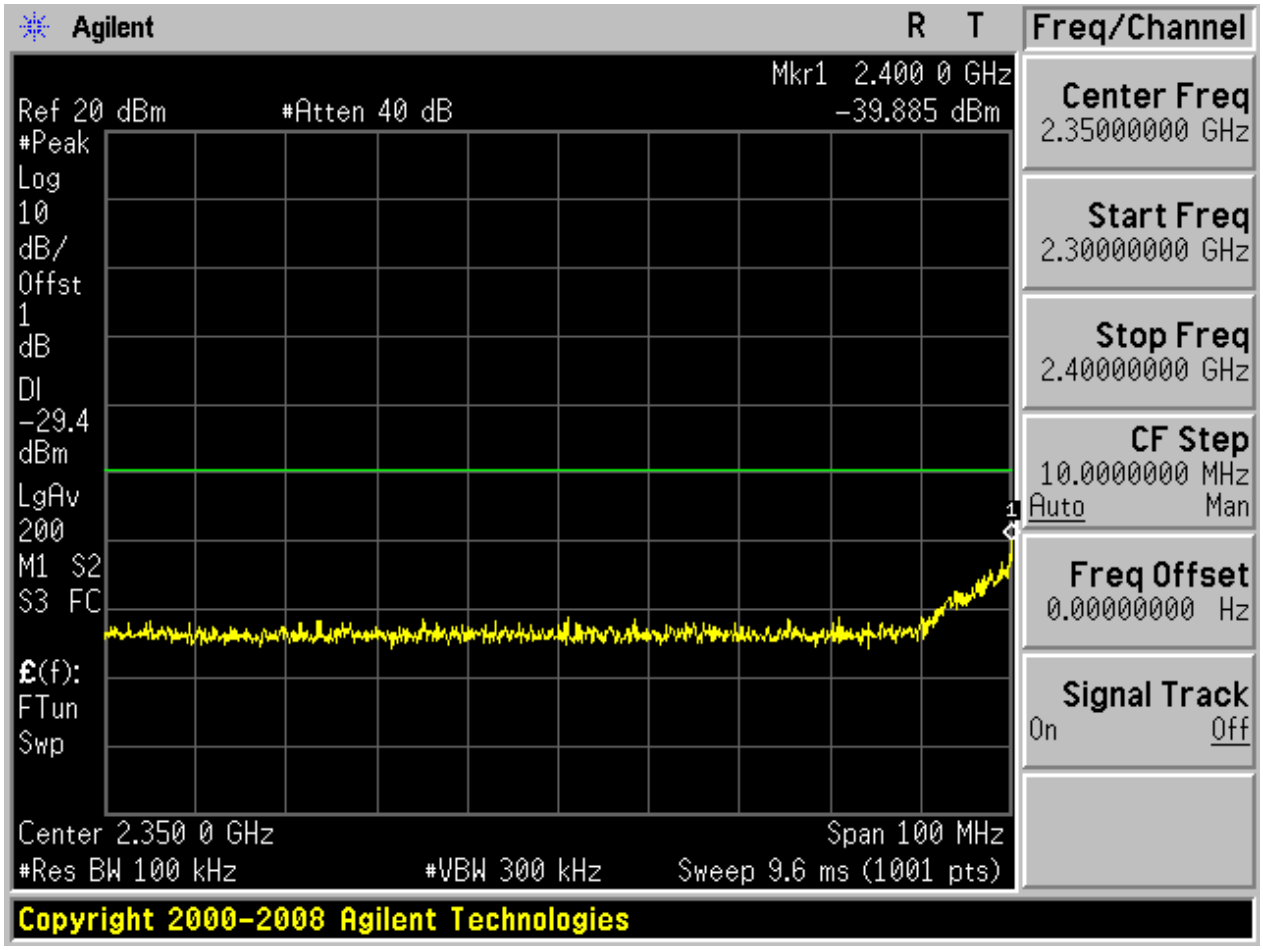

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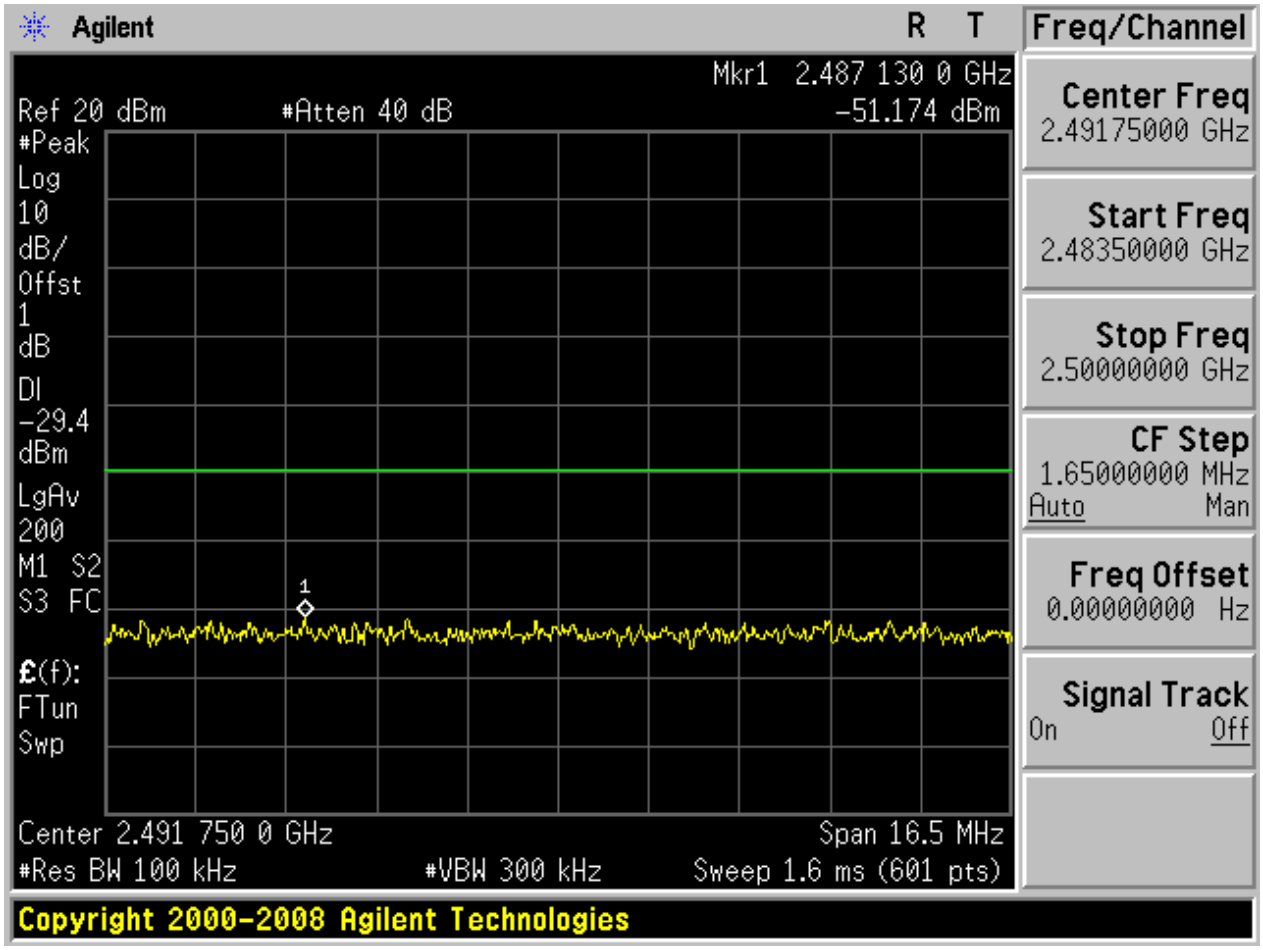

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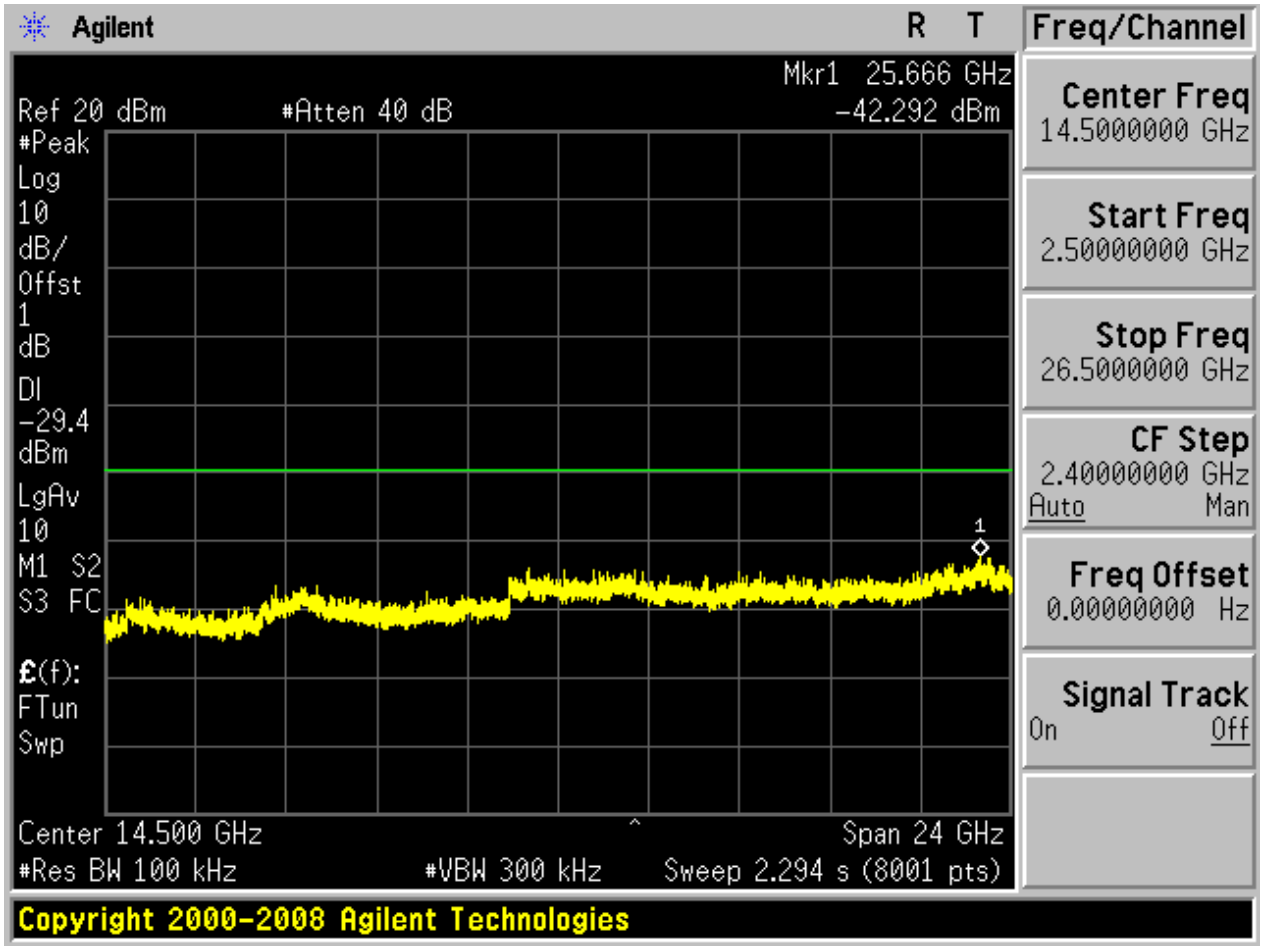

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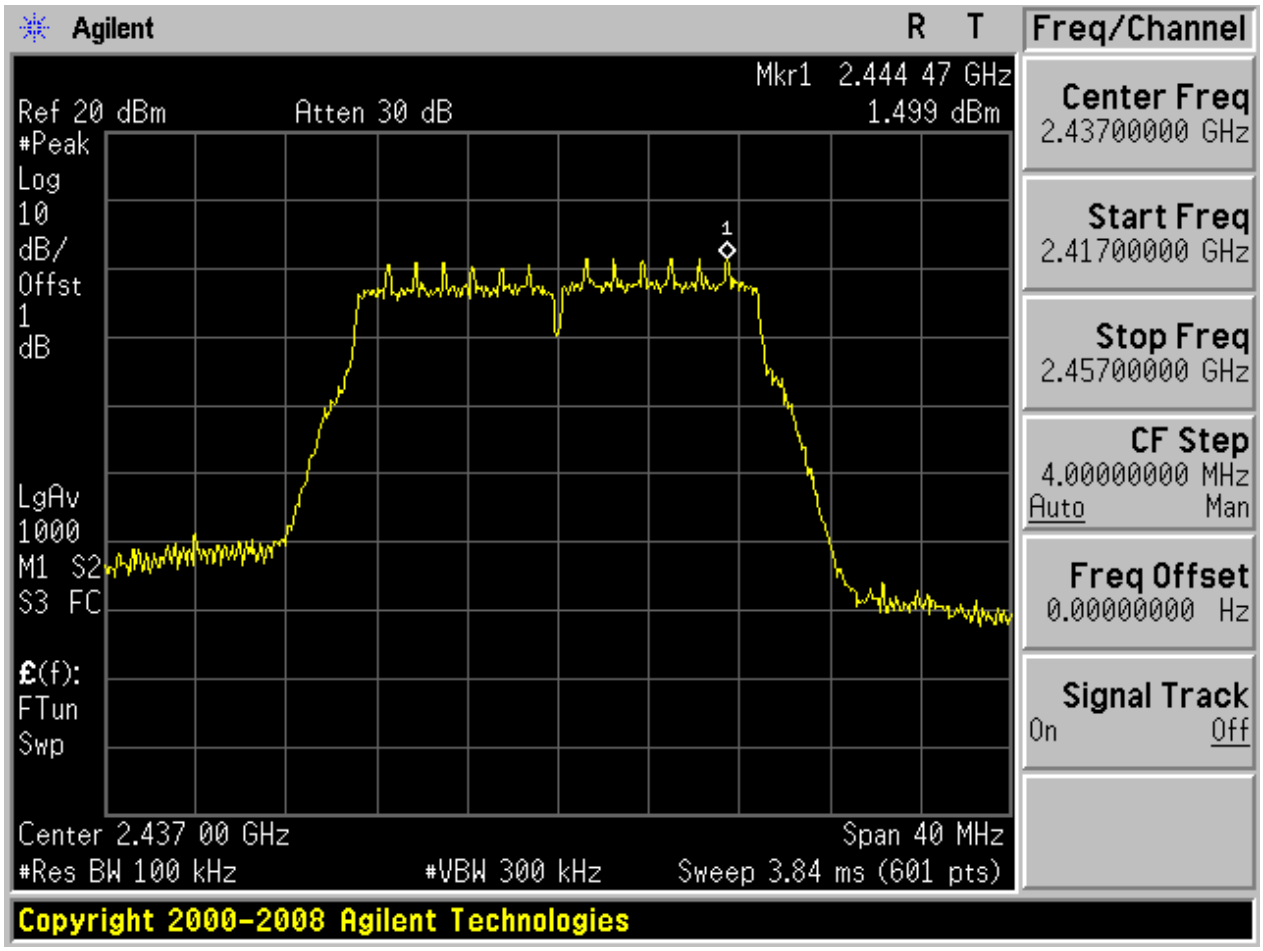

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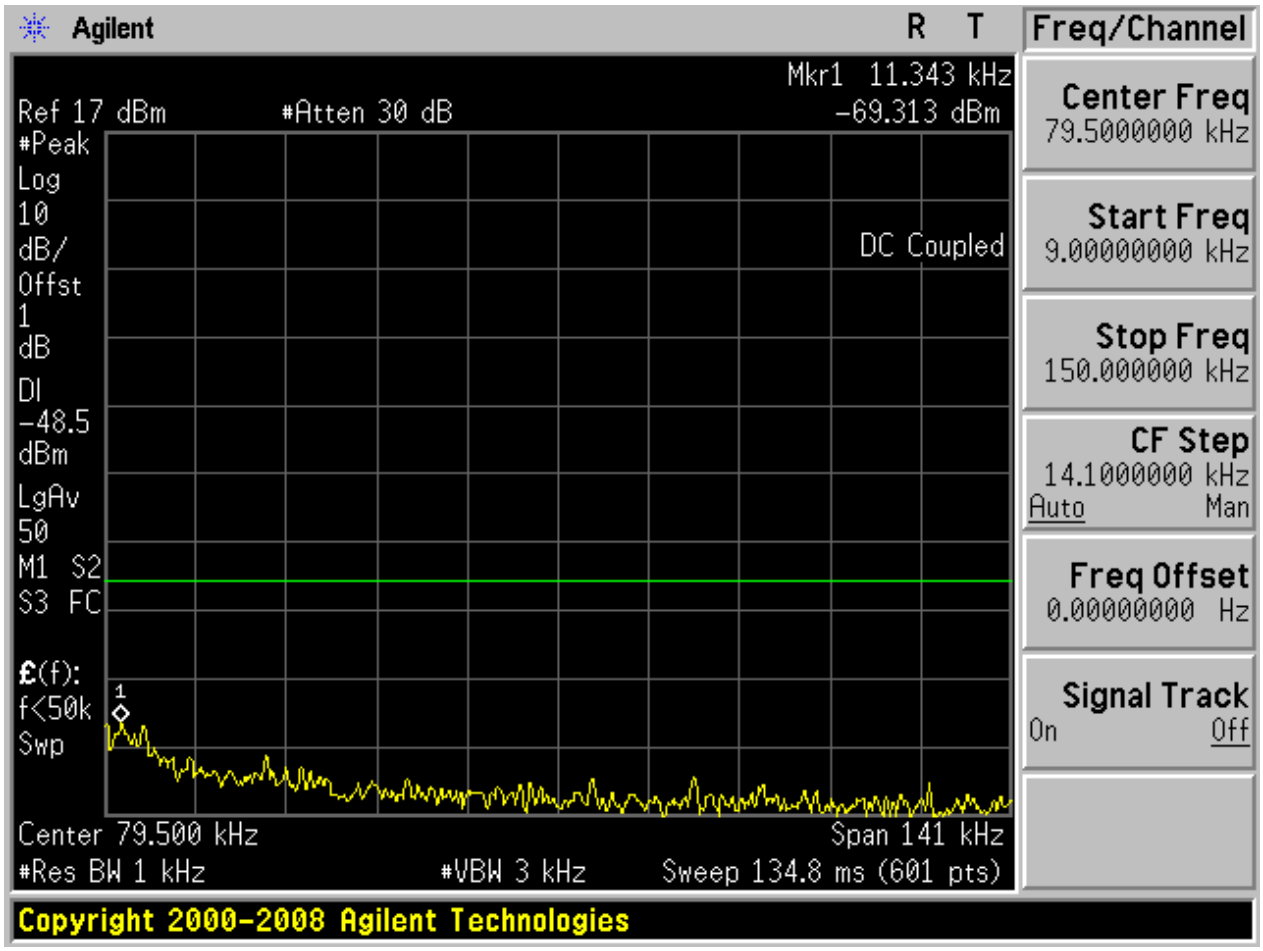

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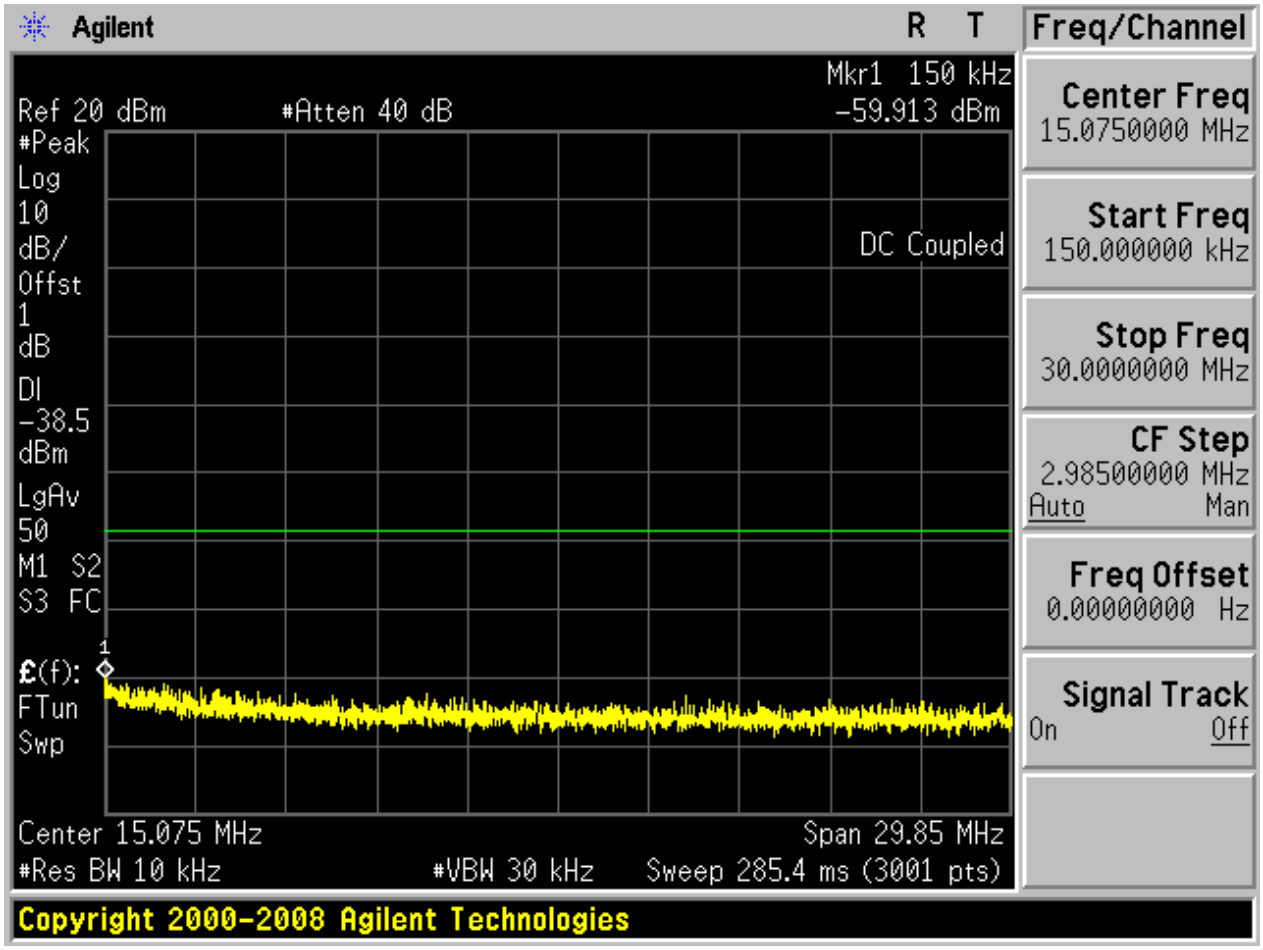

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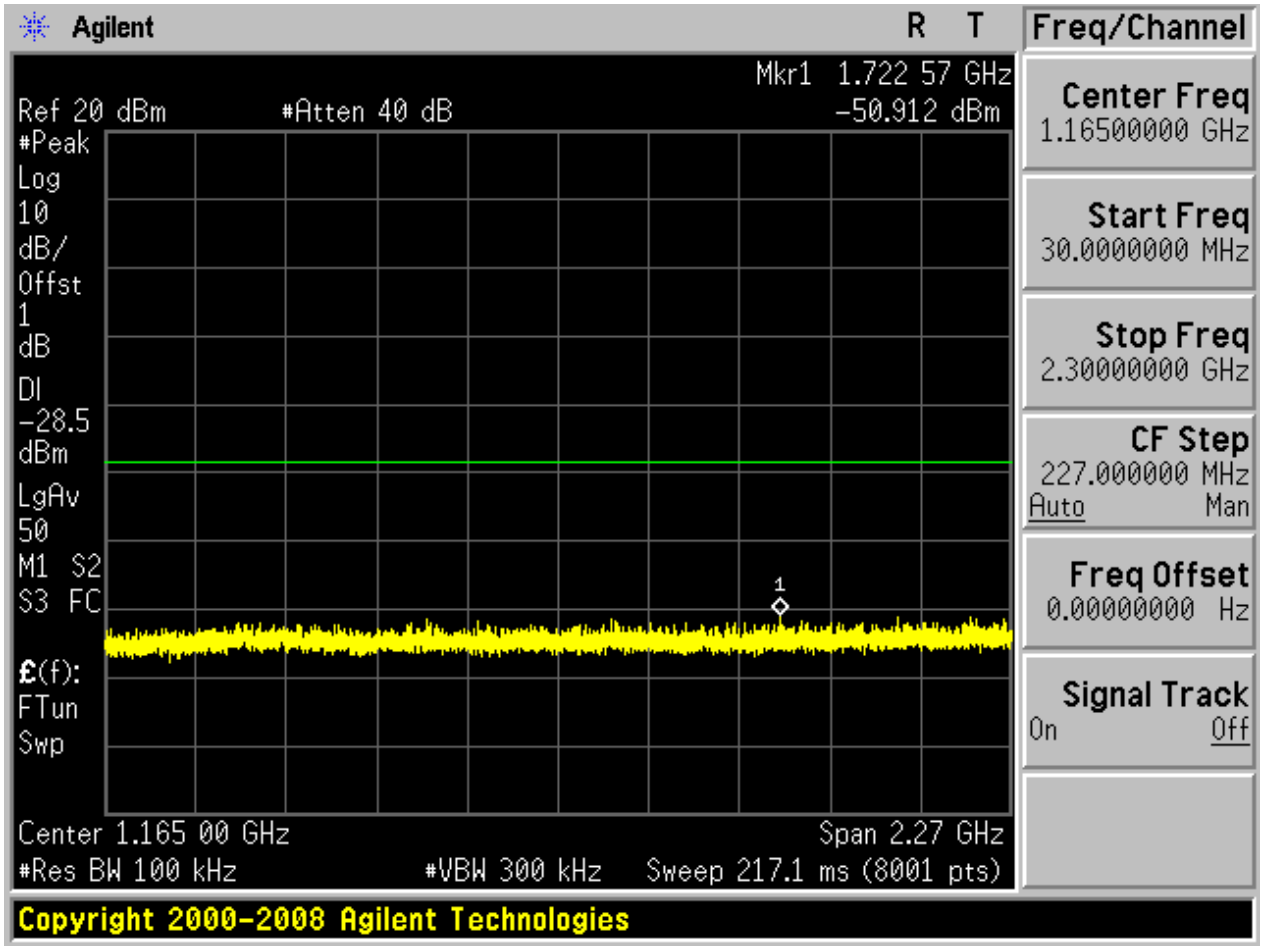

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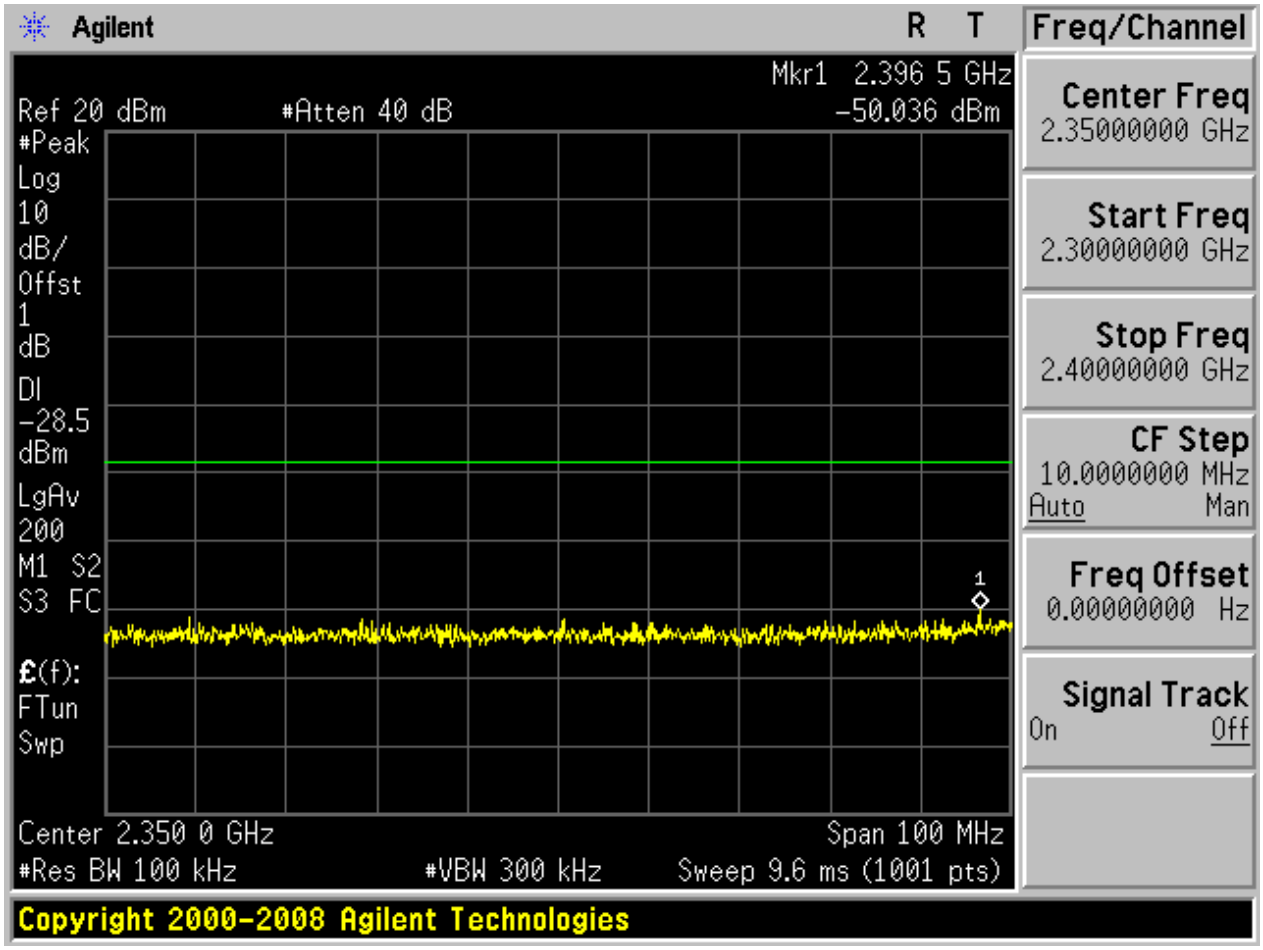

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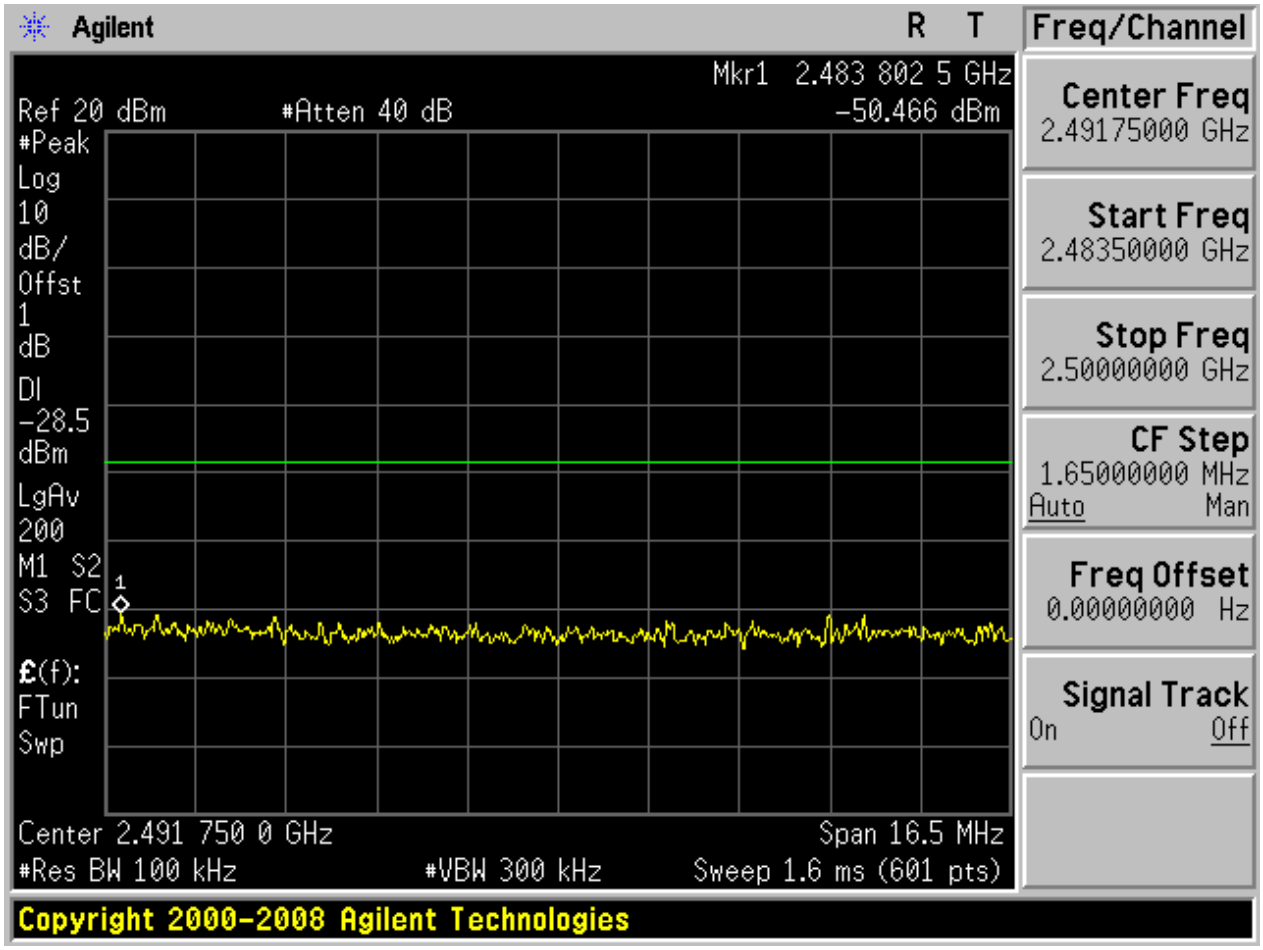

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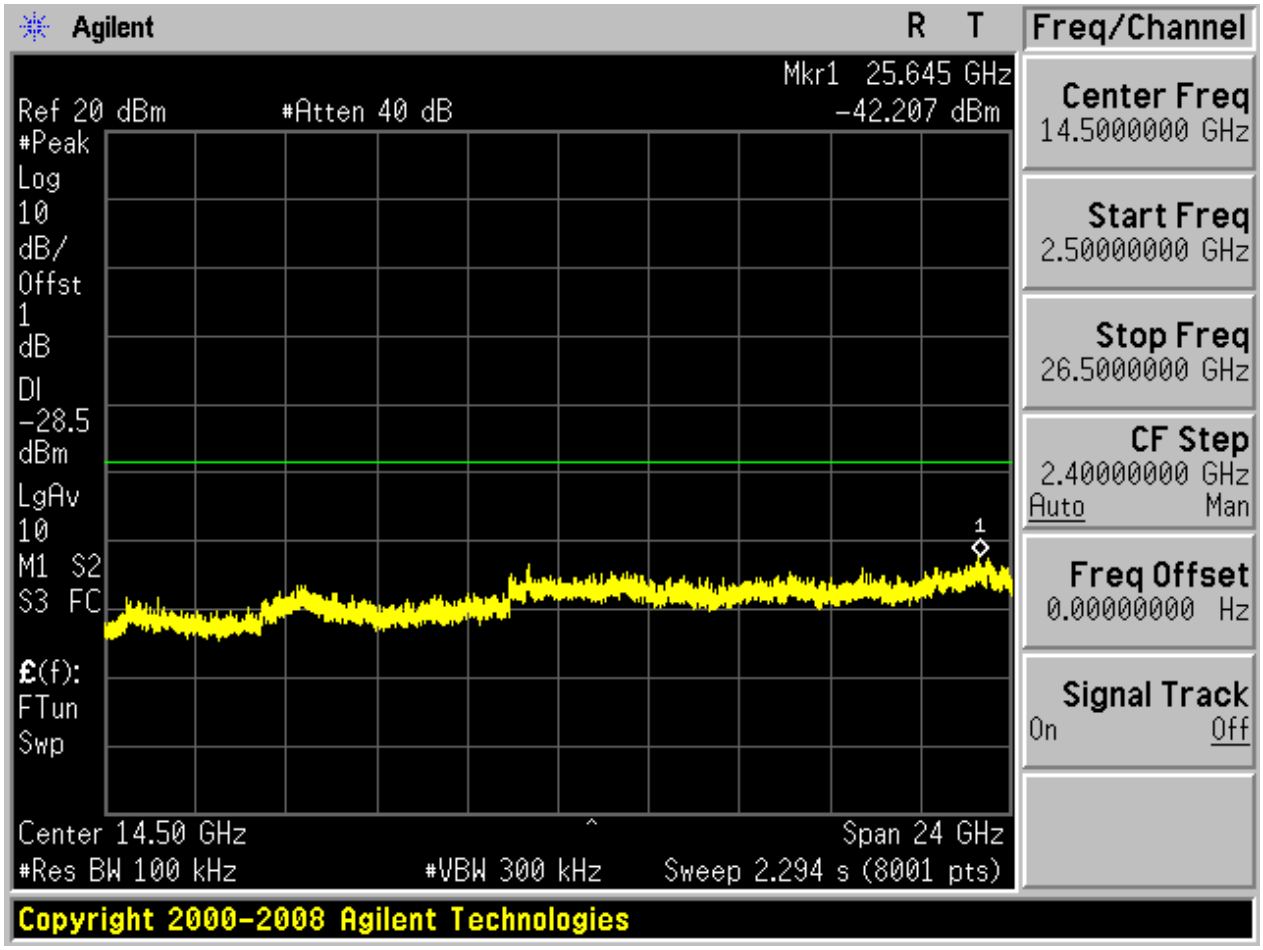

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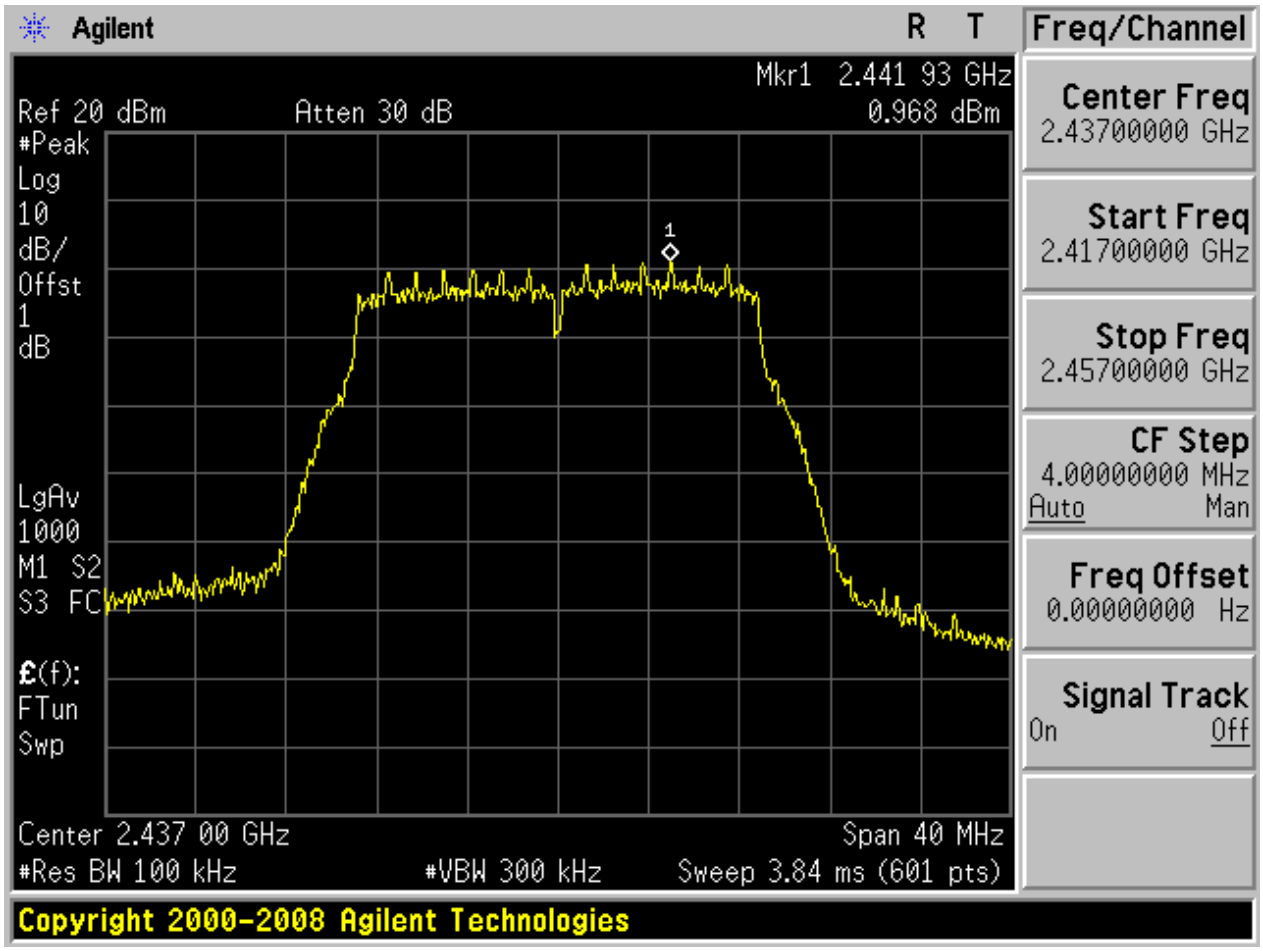

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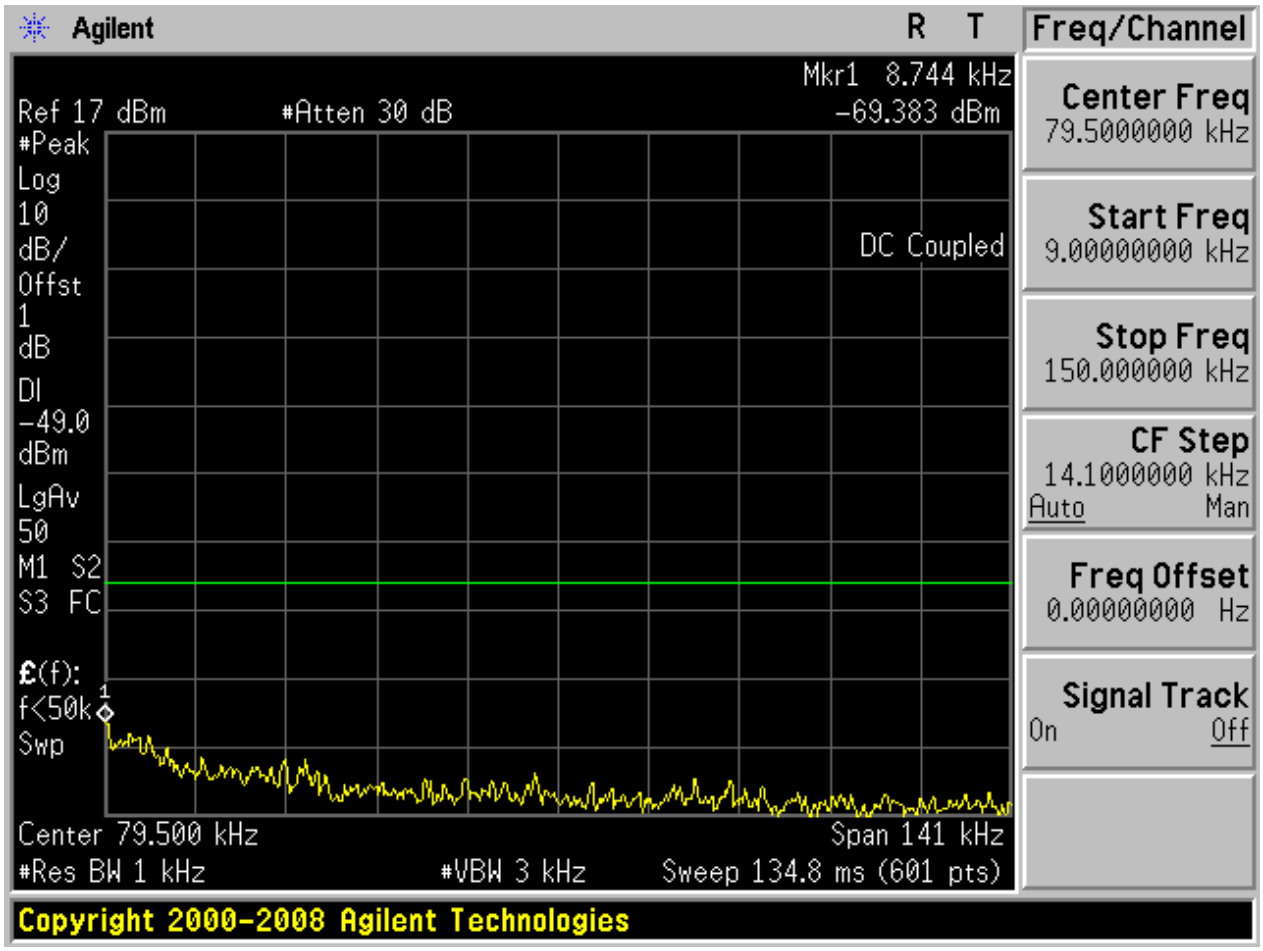

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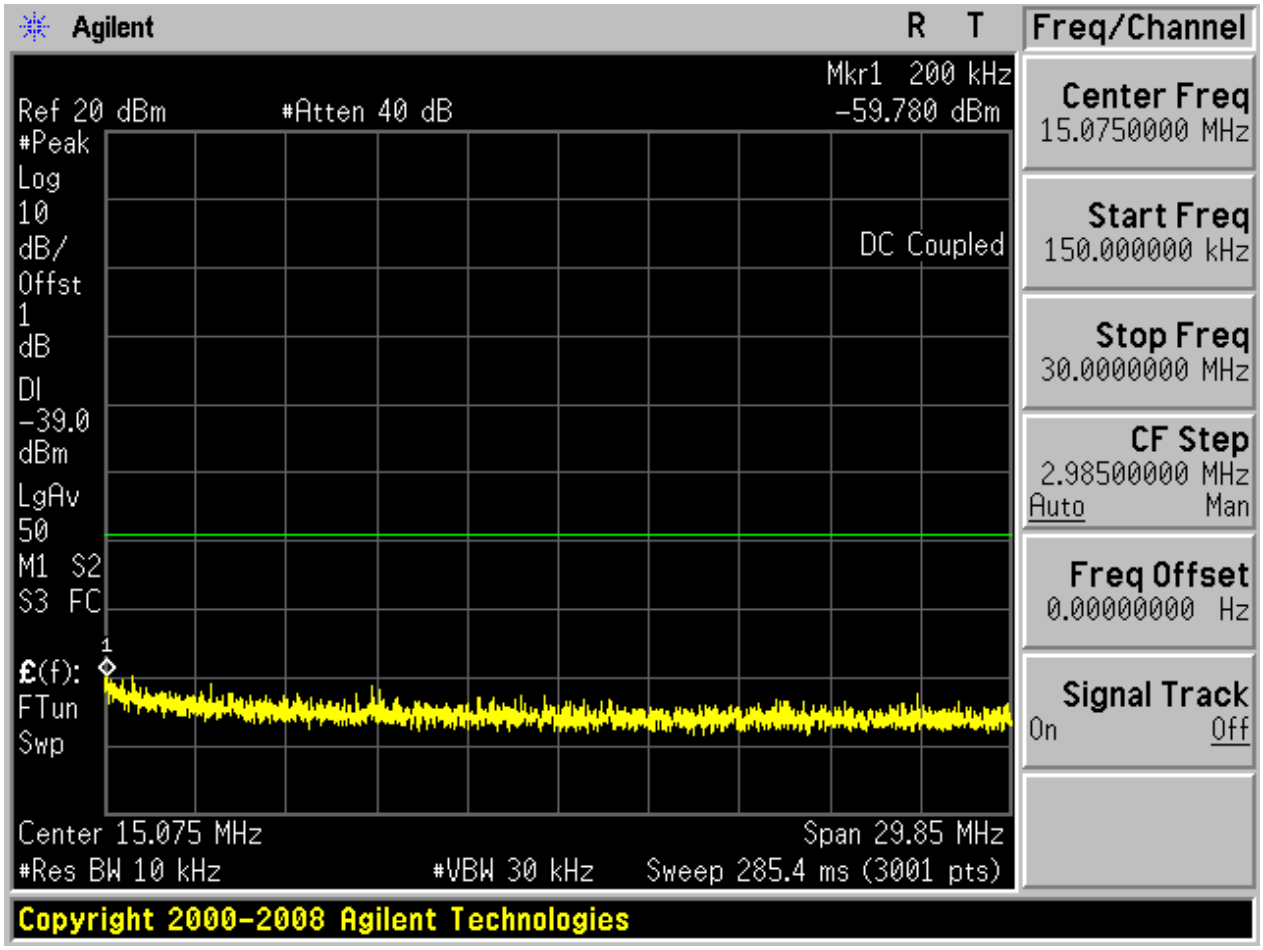

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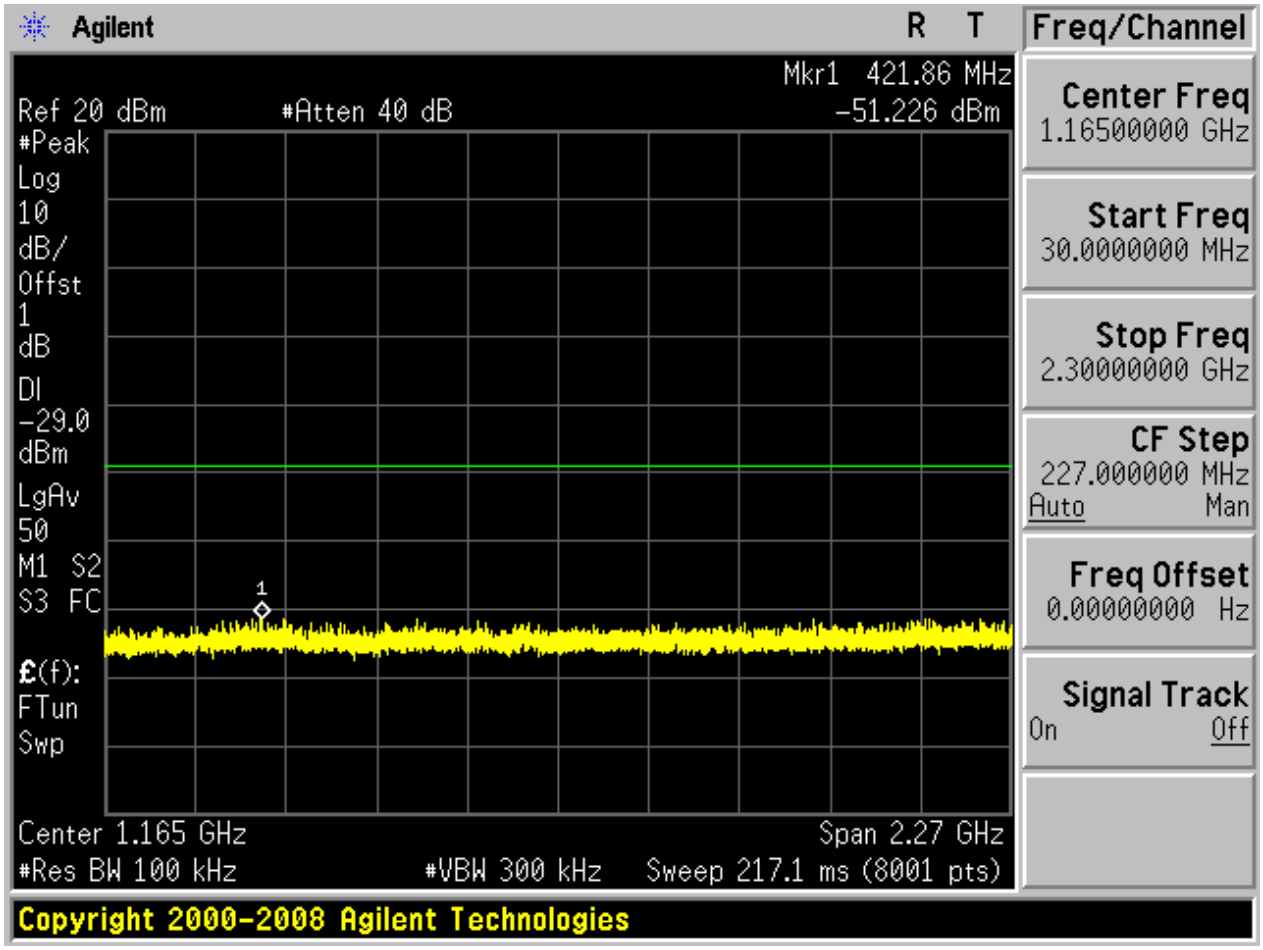

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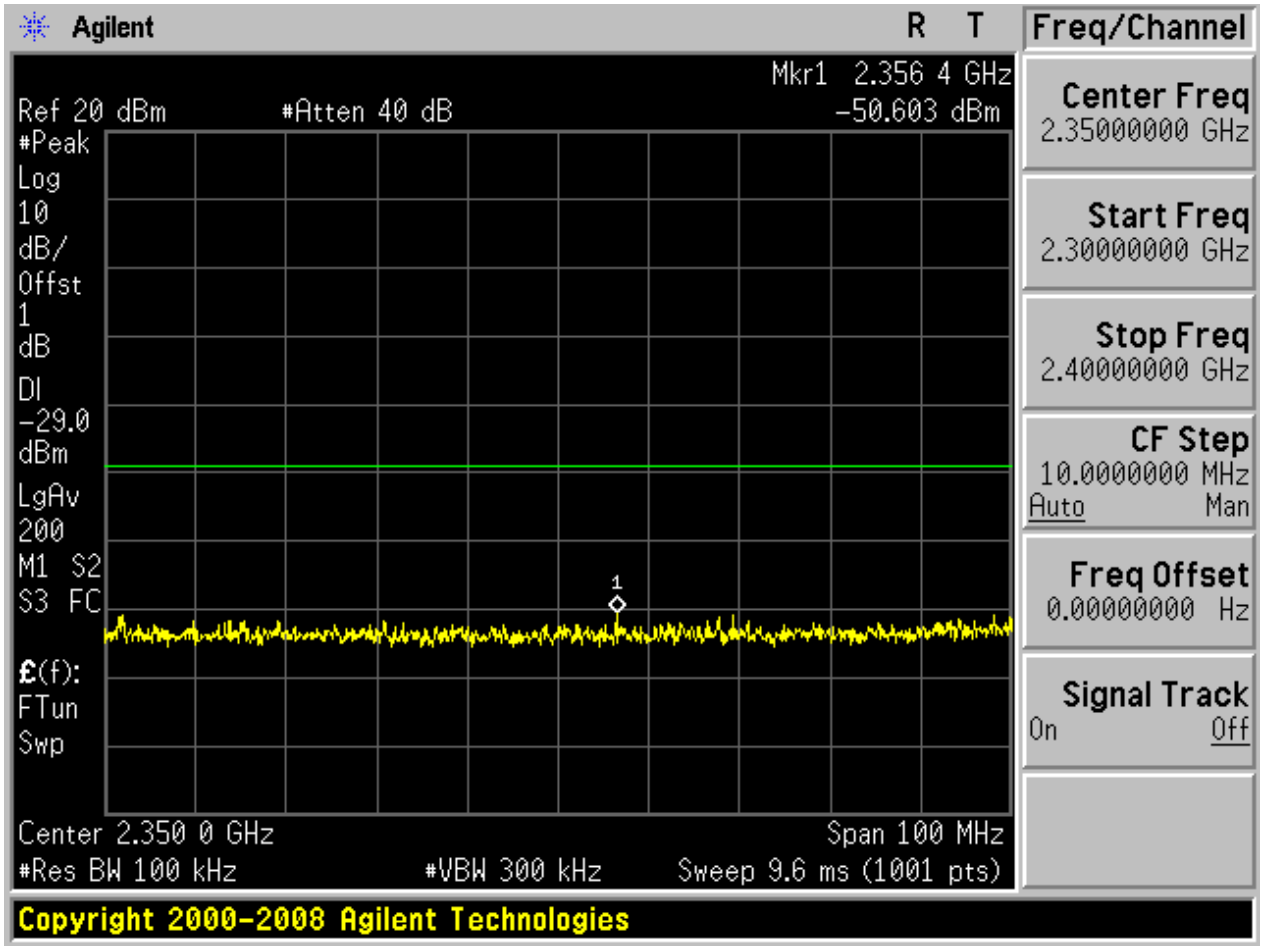

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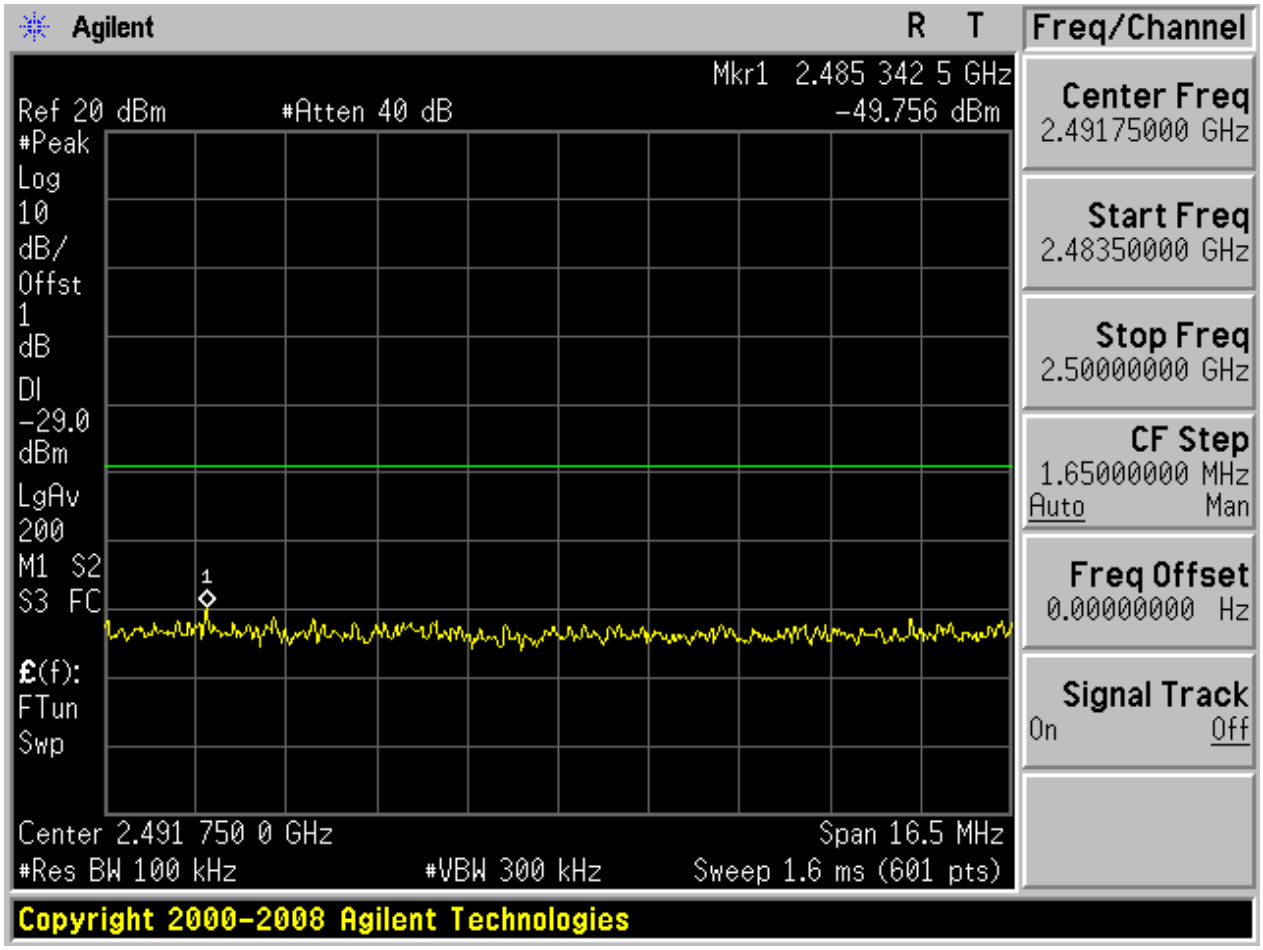

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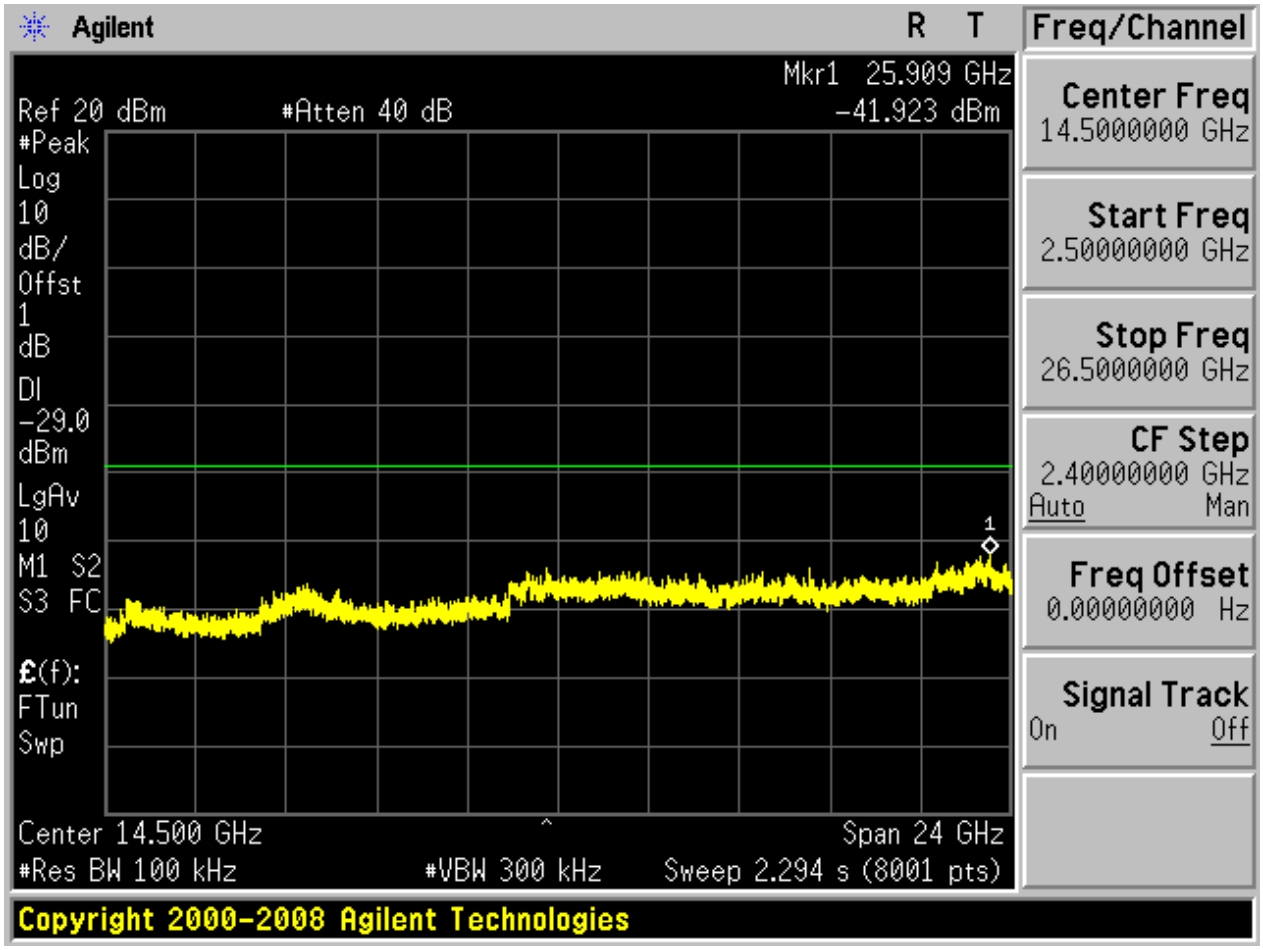

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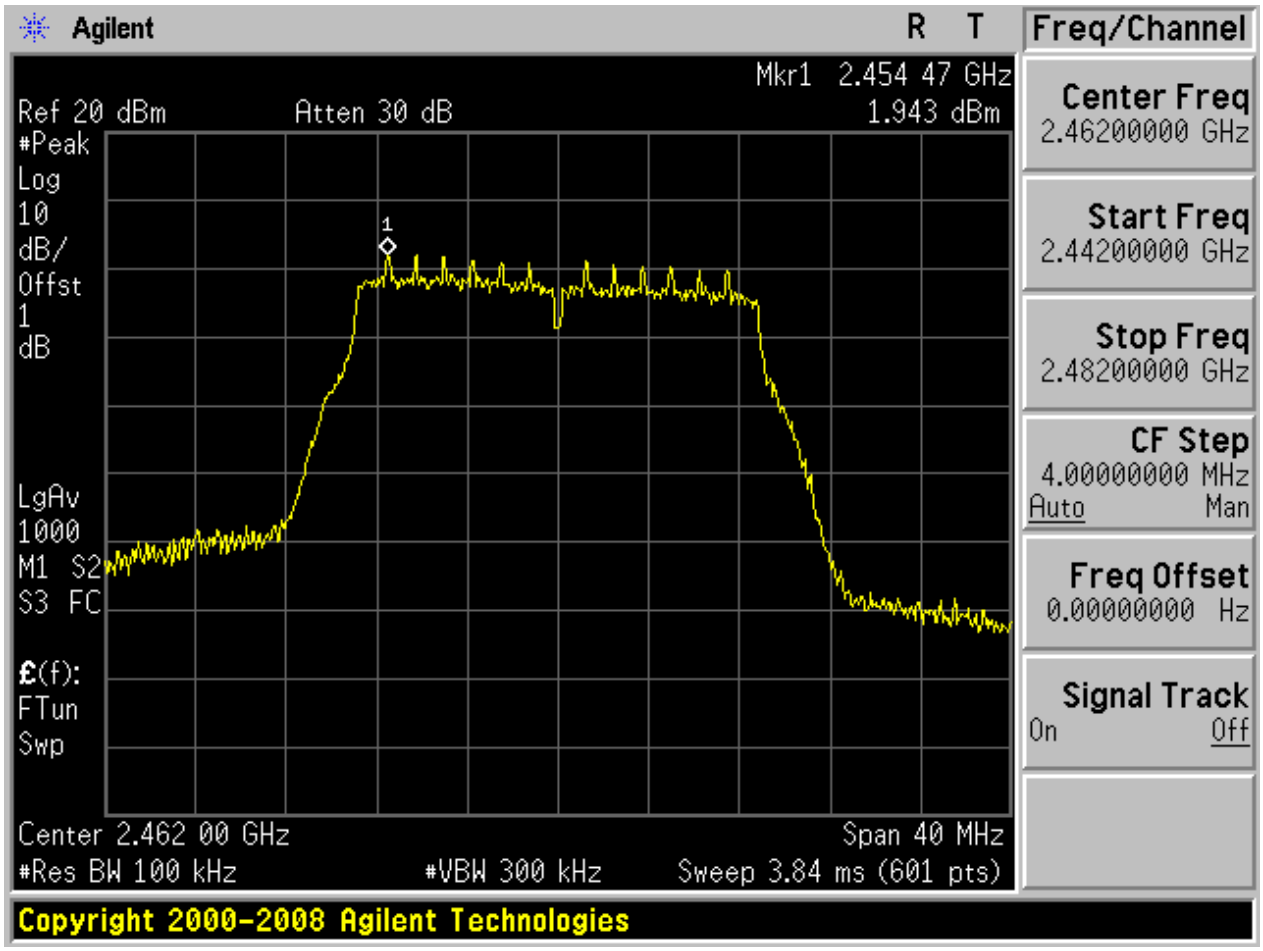

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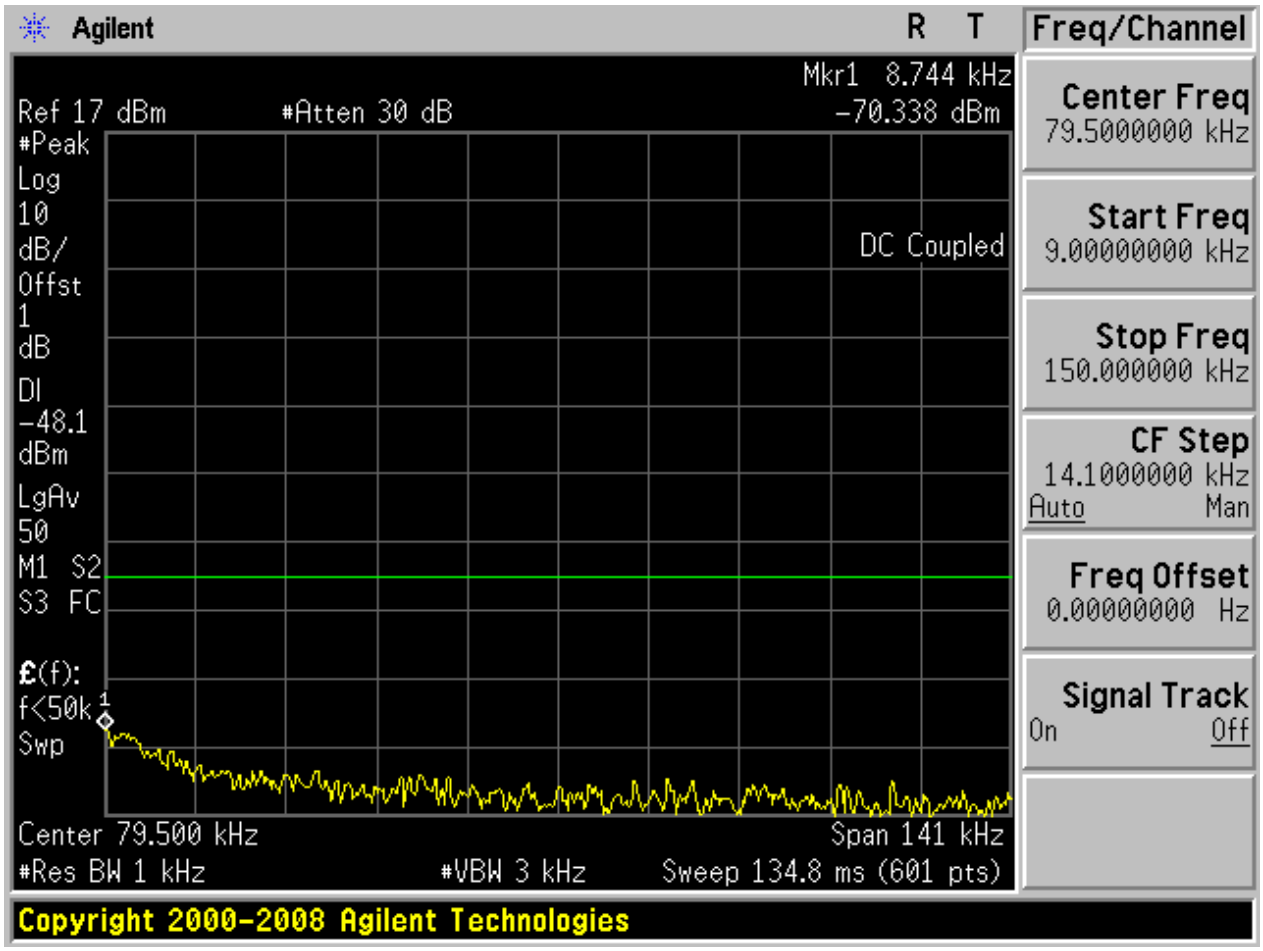

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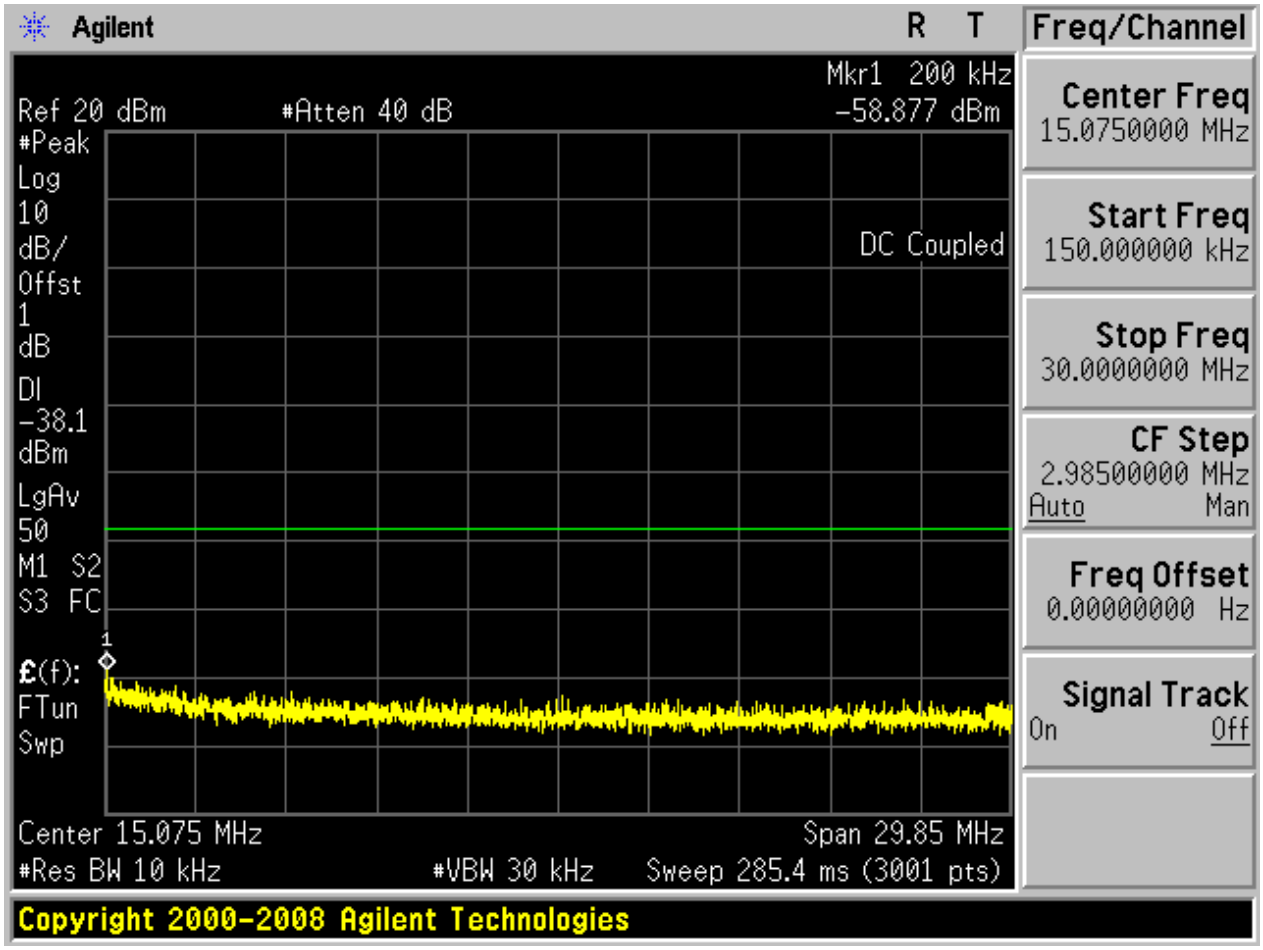

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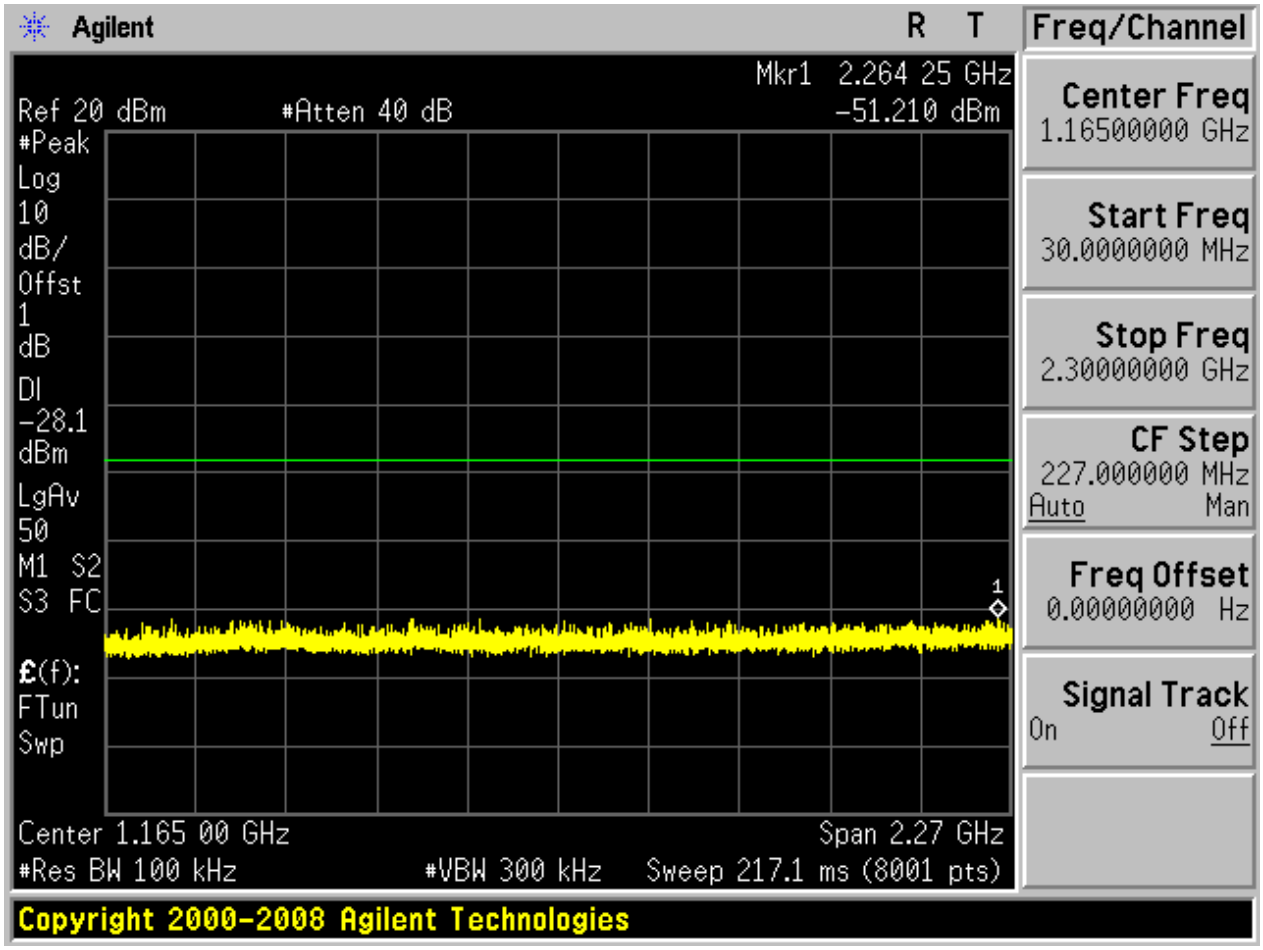

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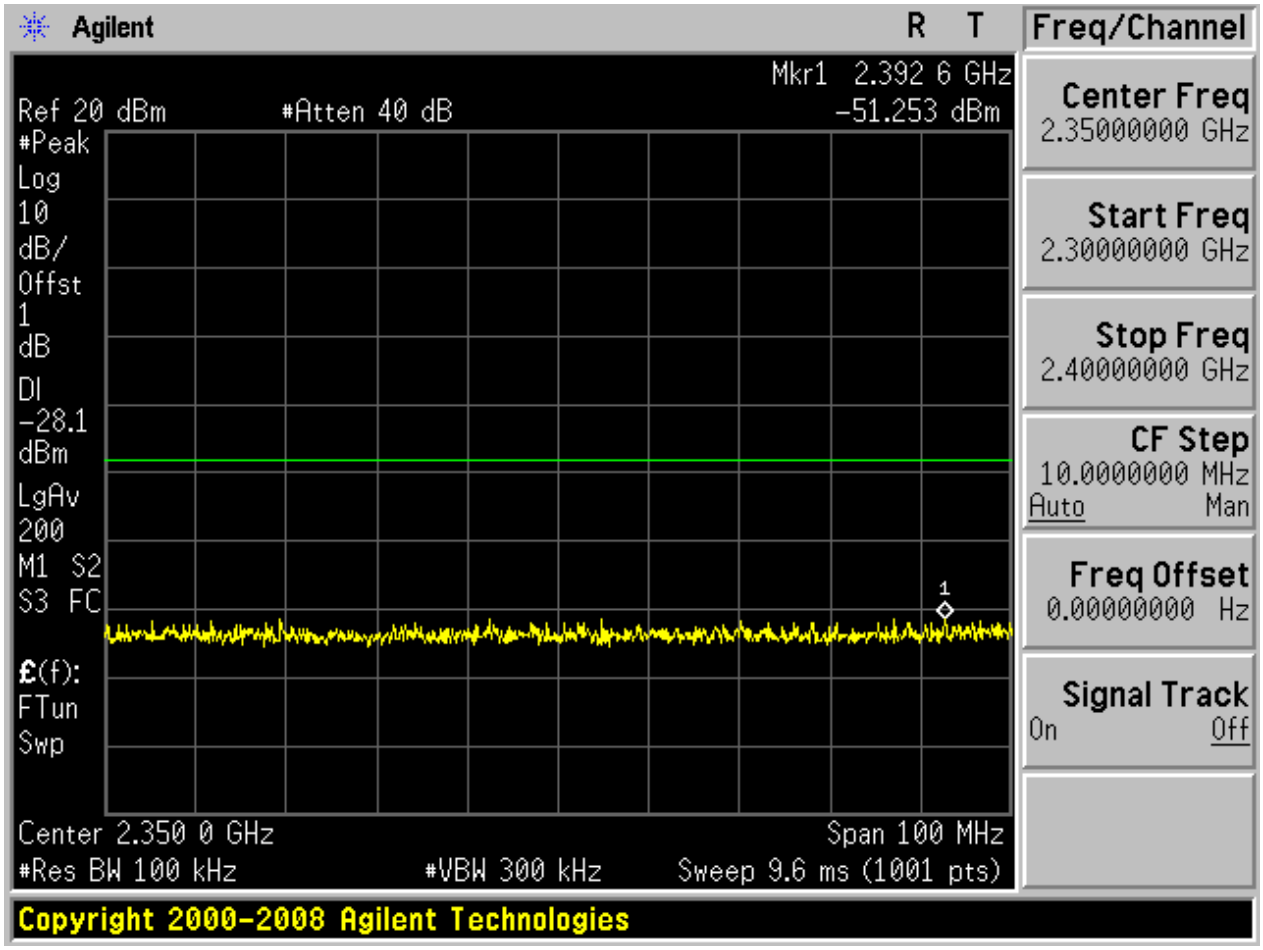

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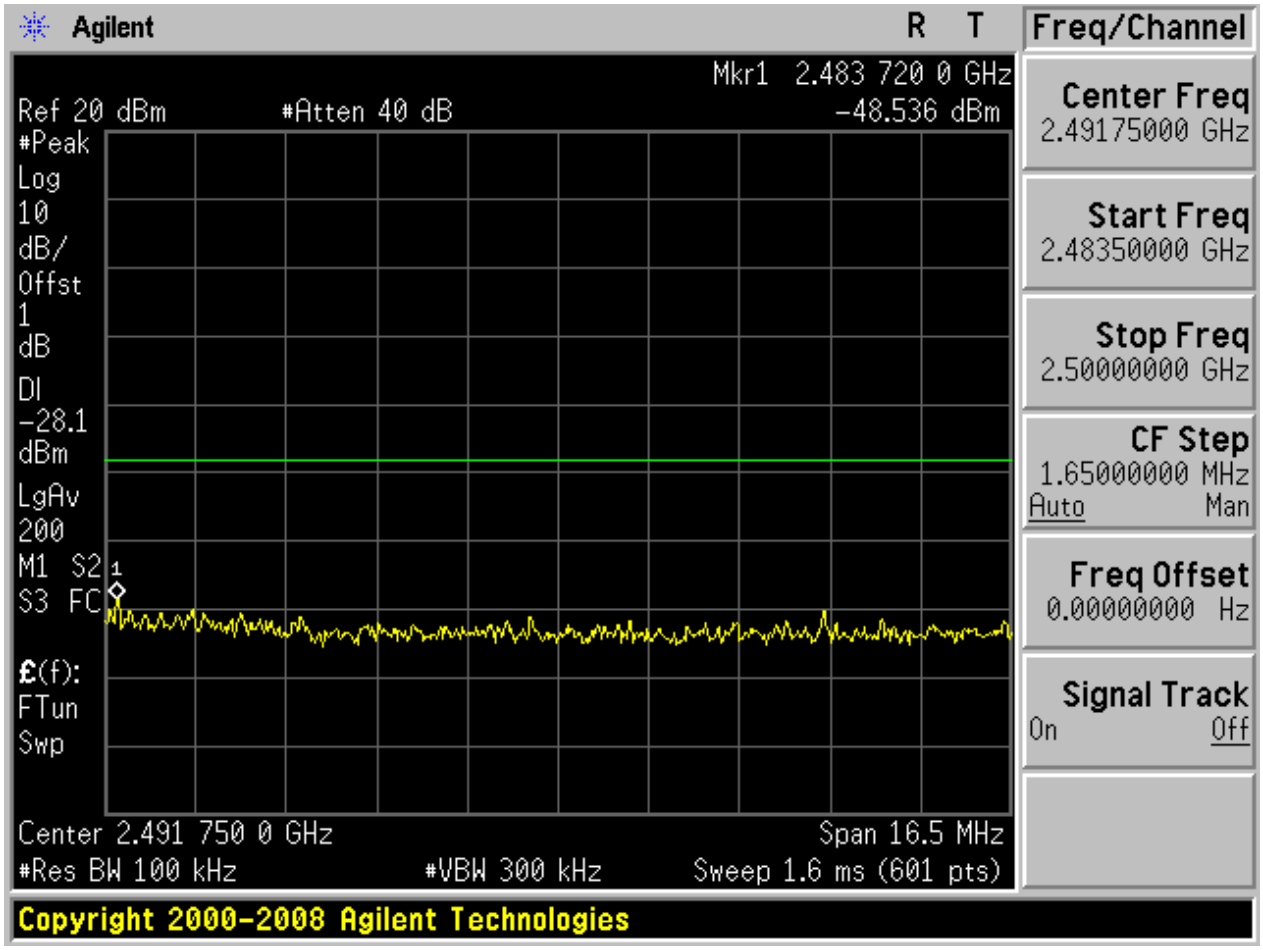

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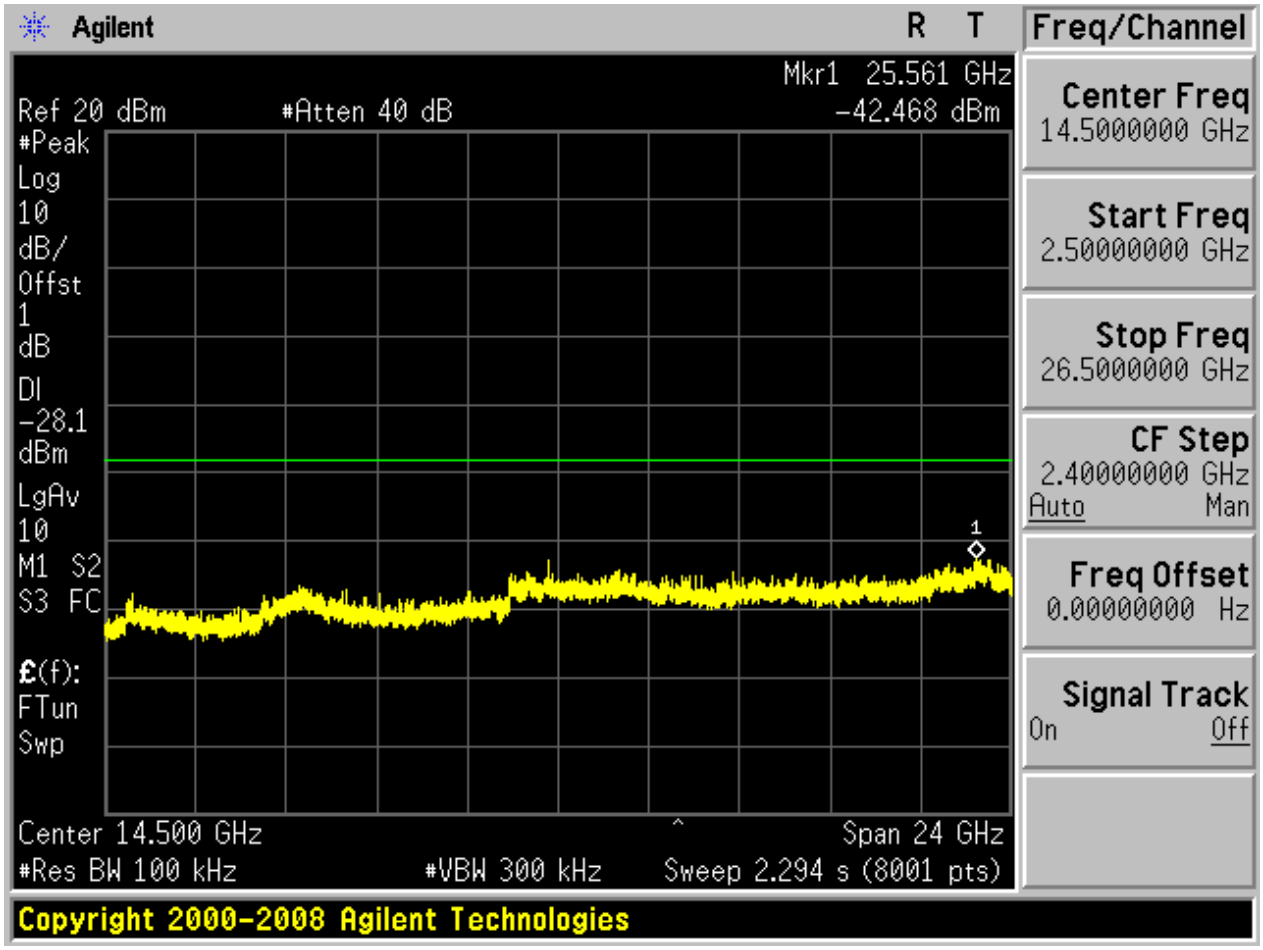

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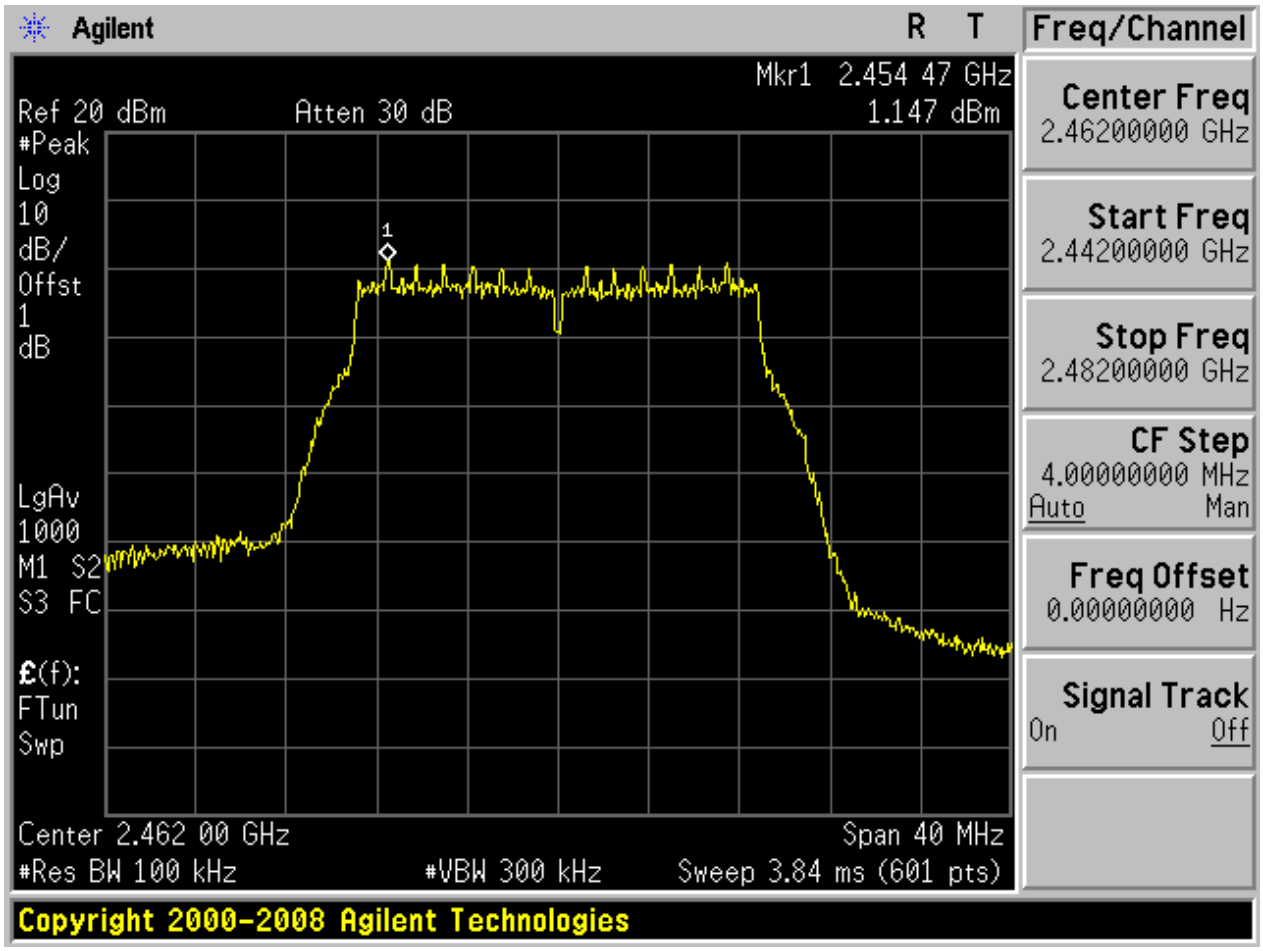

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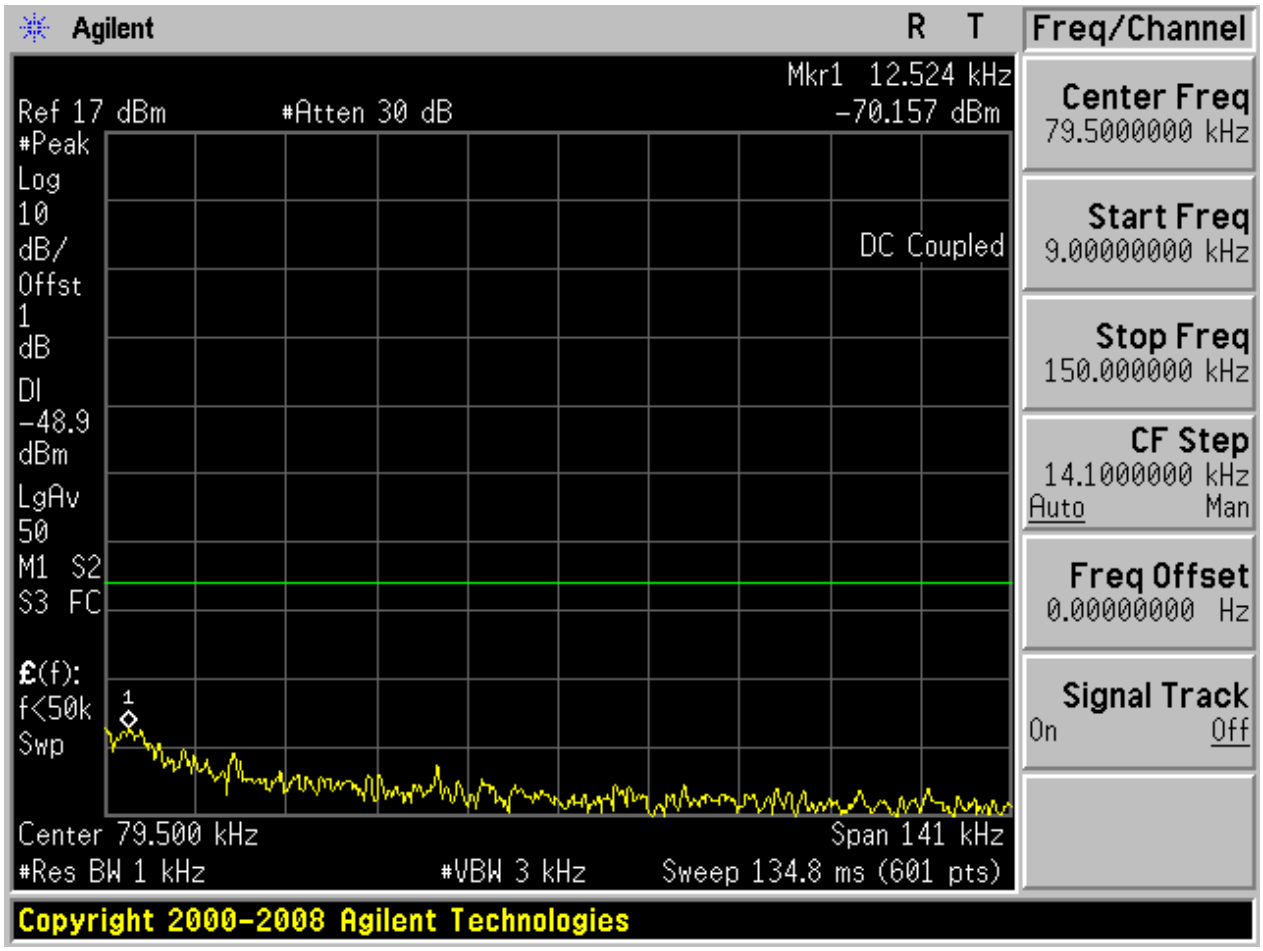

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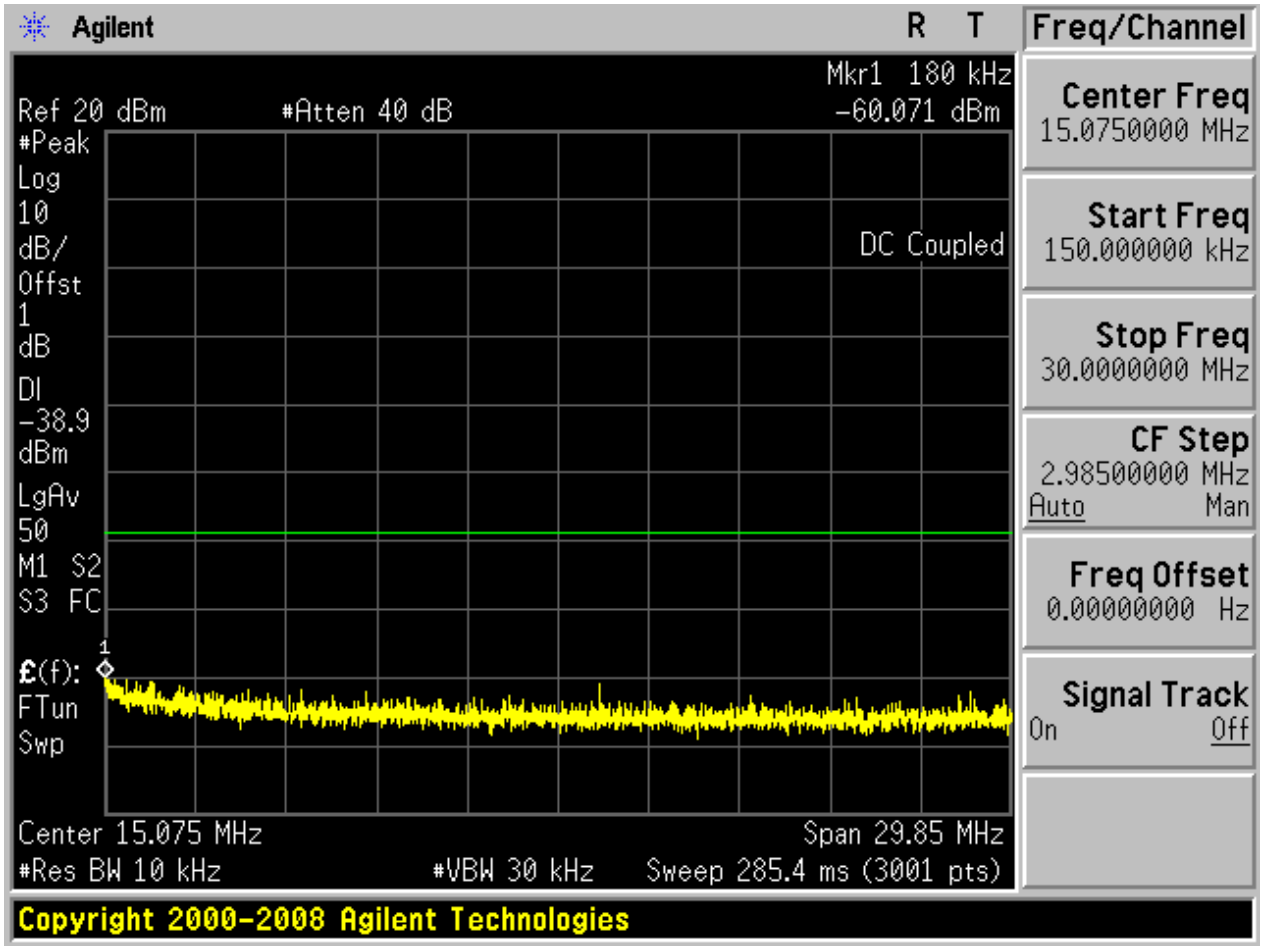

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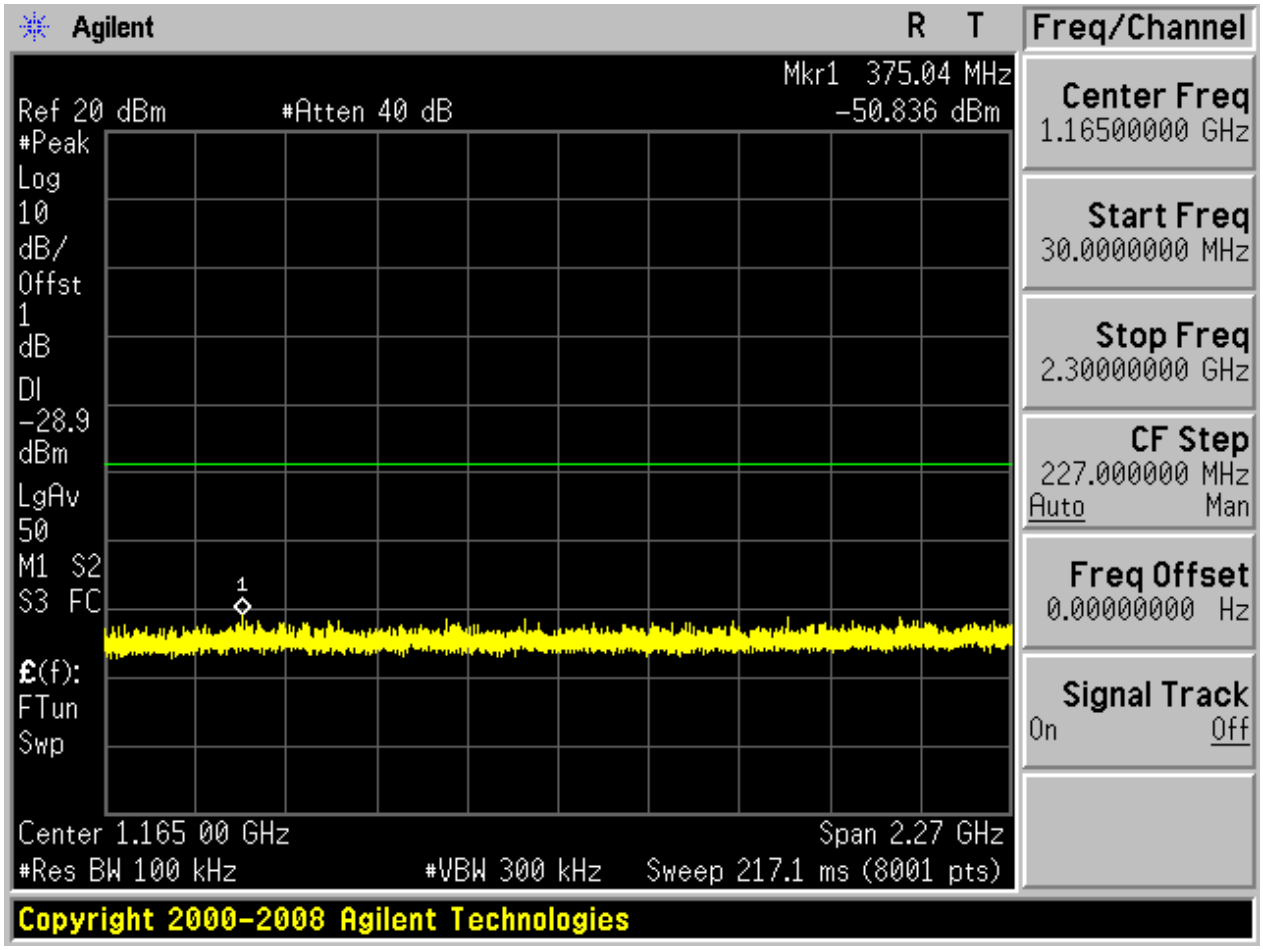

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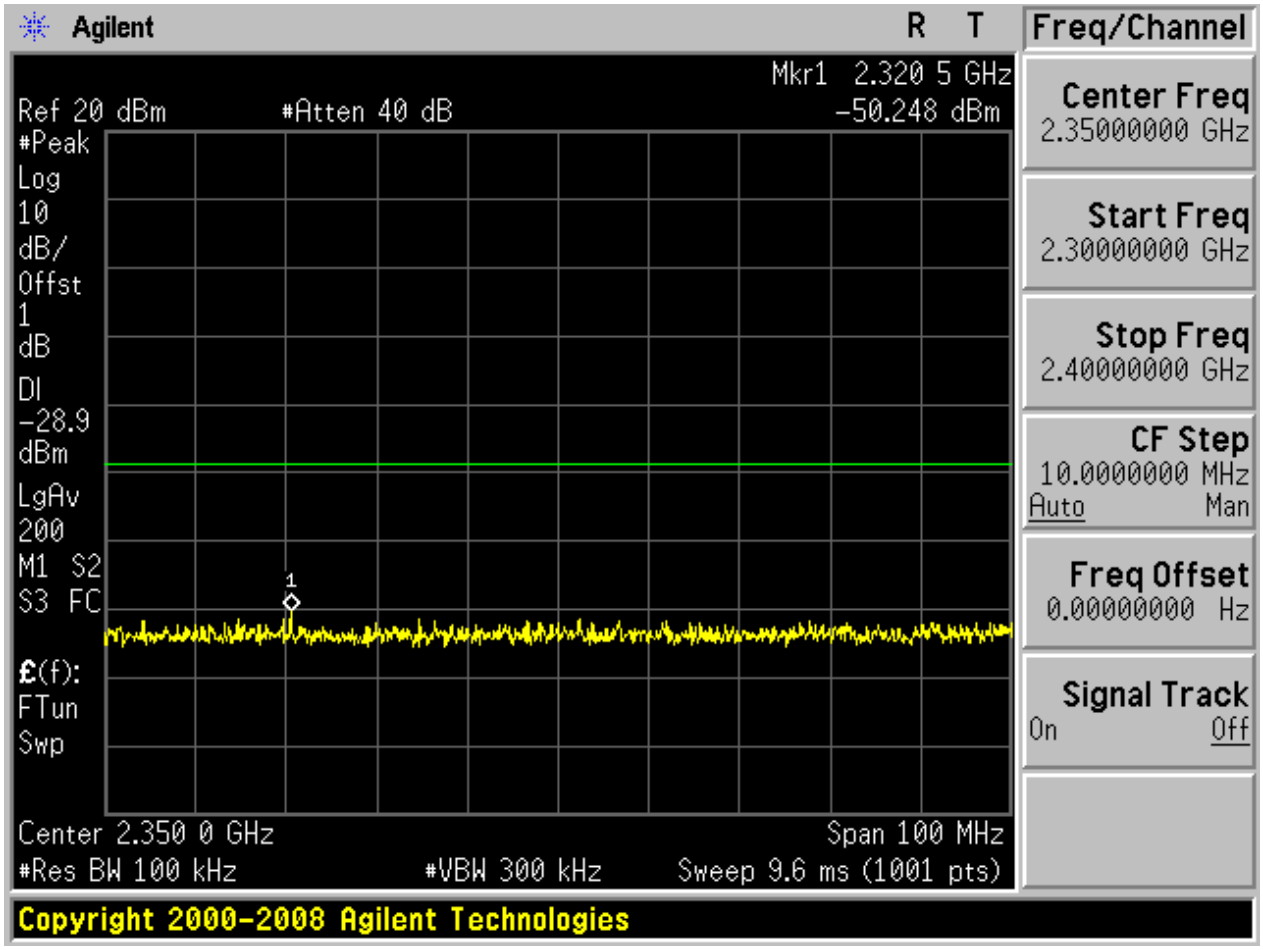

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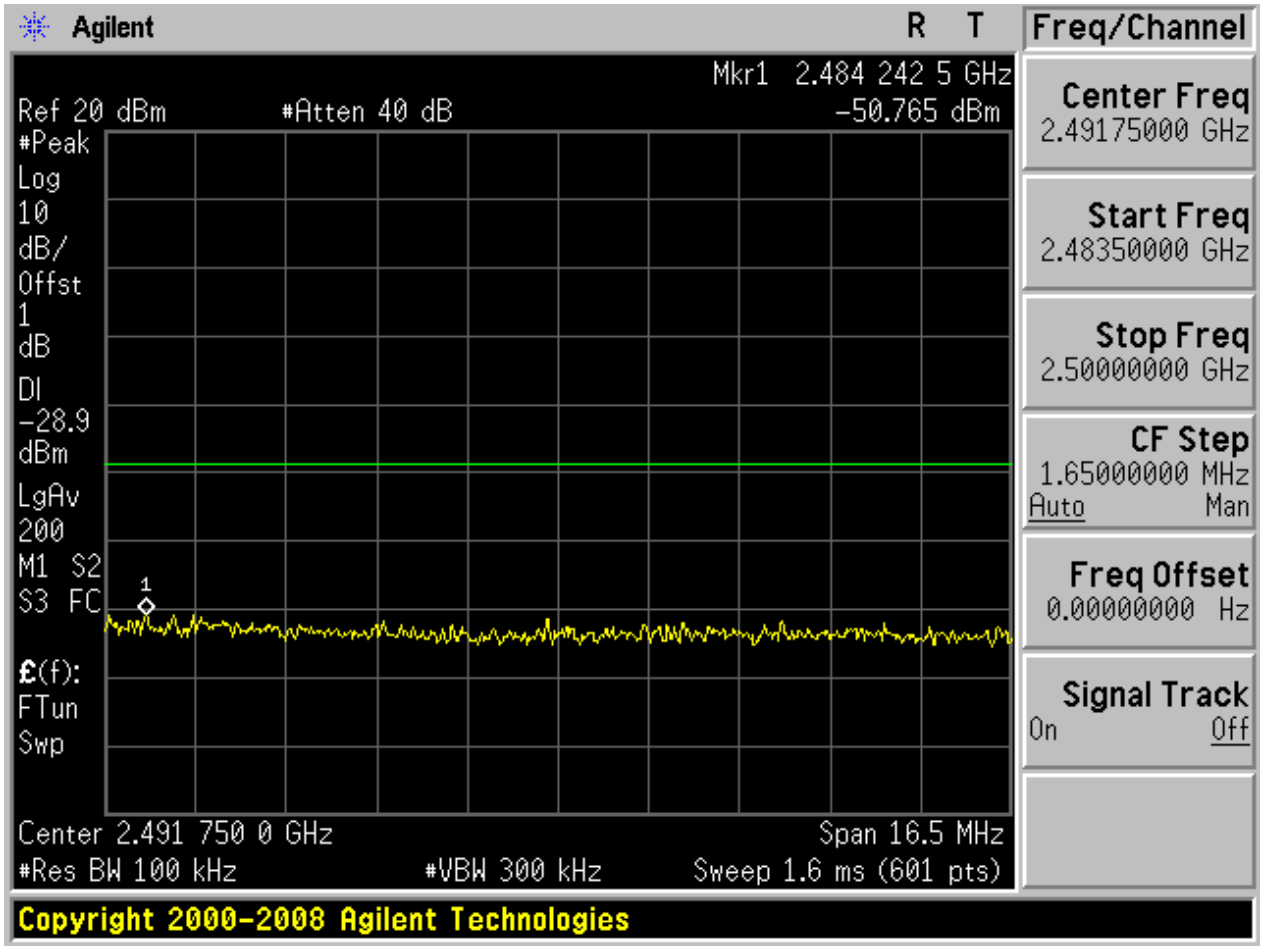
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dBm
LgAv
200
M1 S2
S3 FC
£(f):
FTun
Swp
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Center Freq
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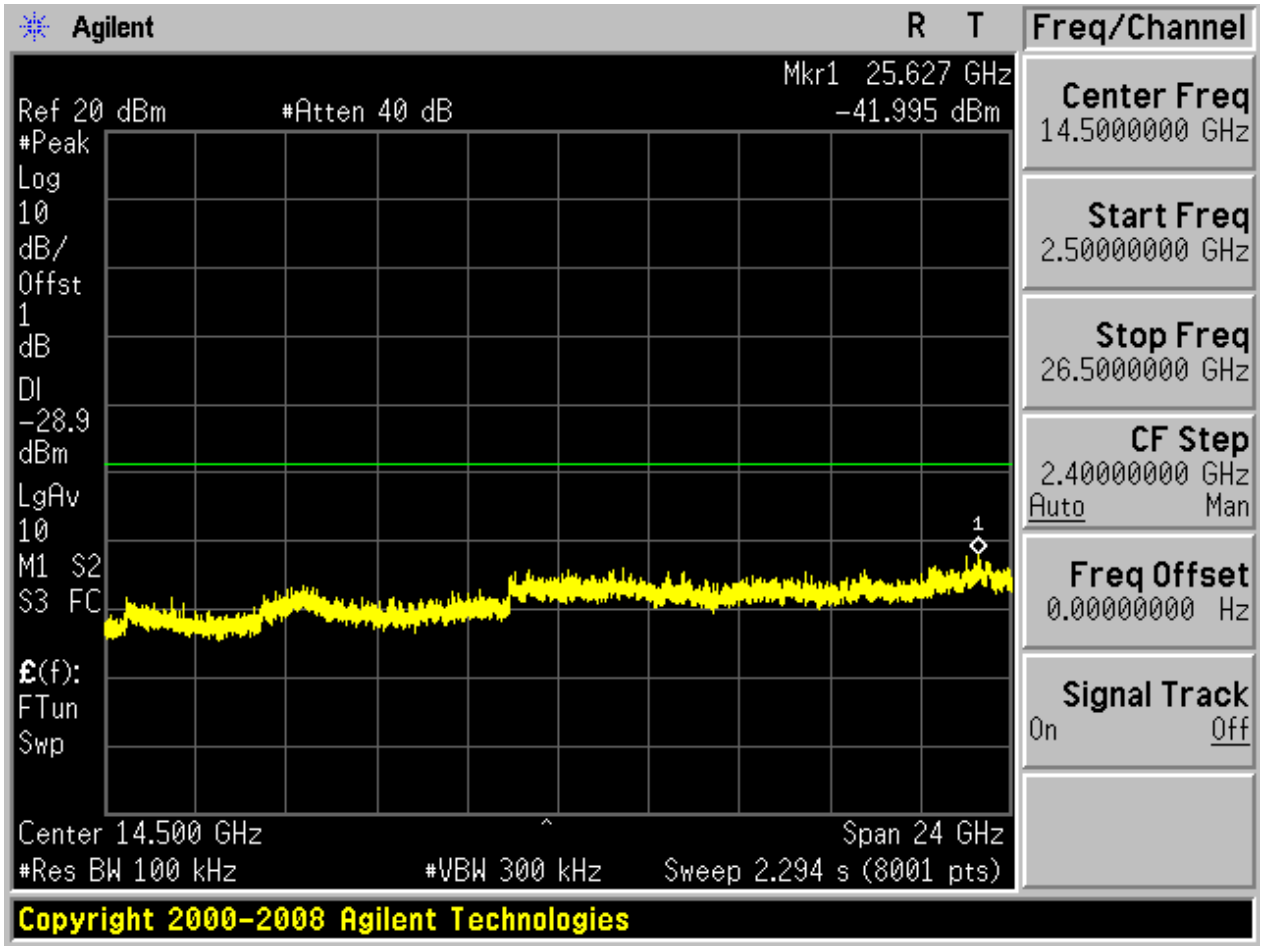

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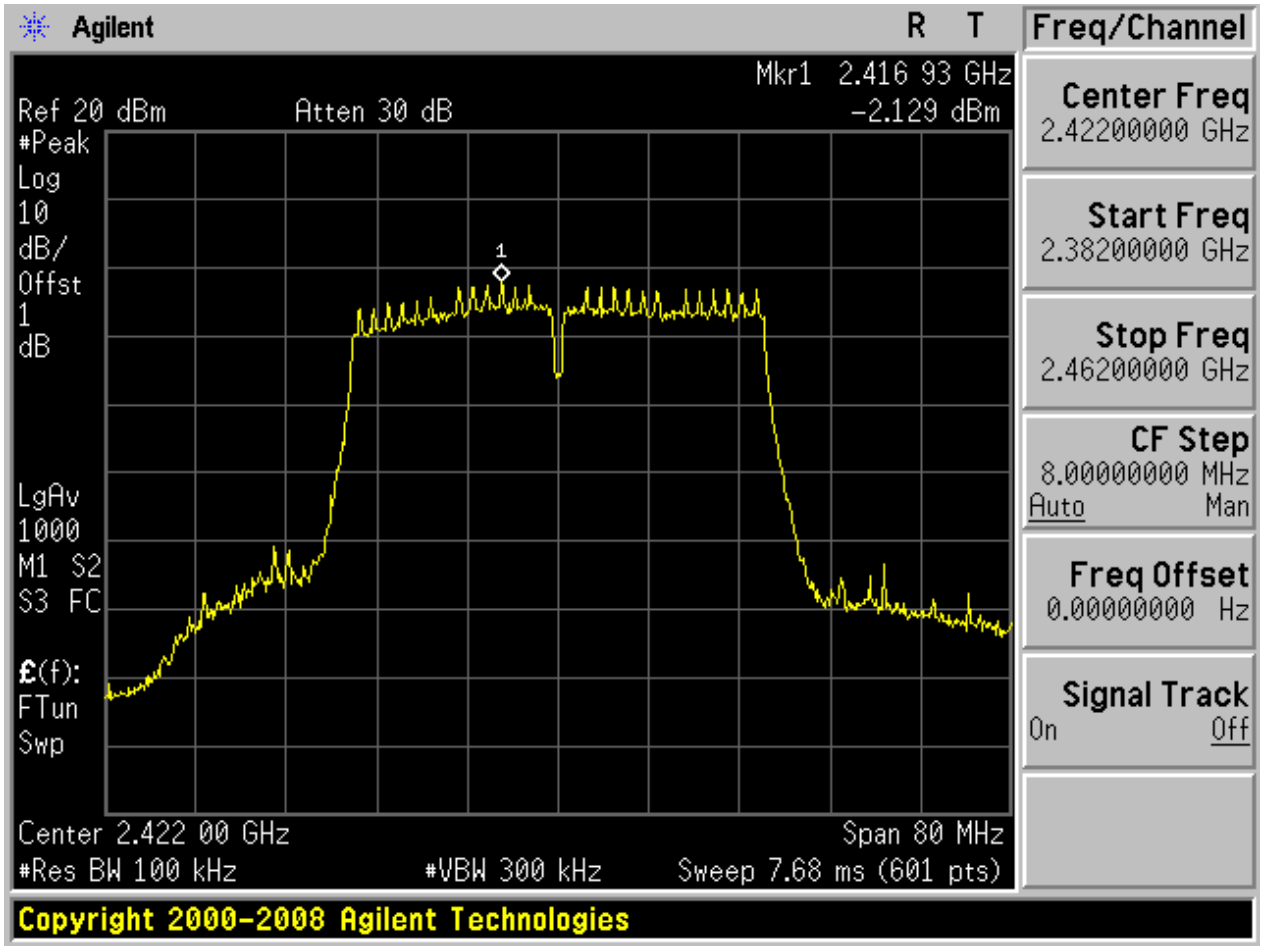

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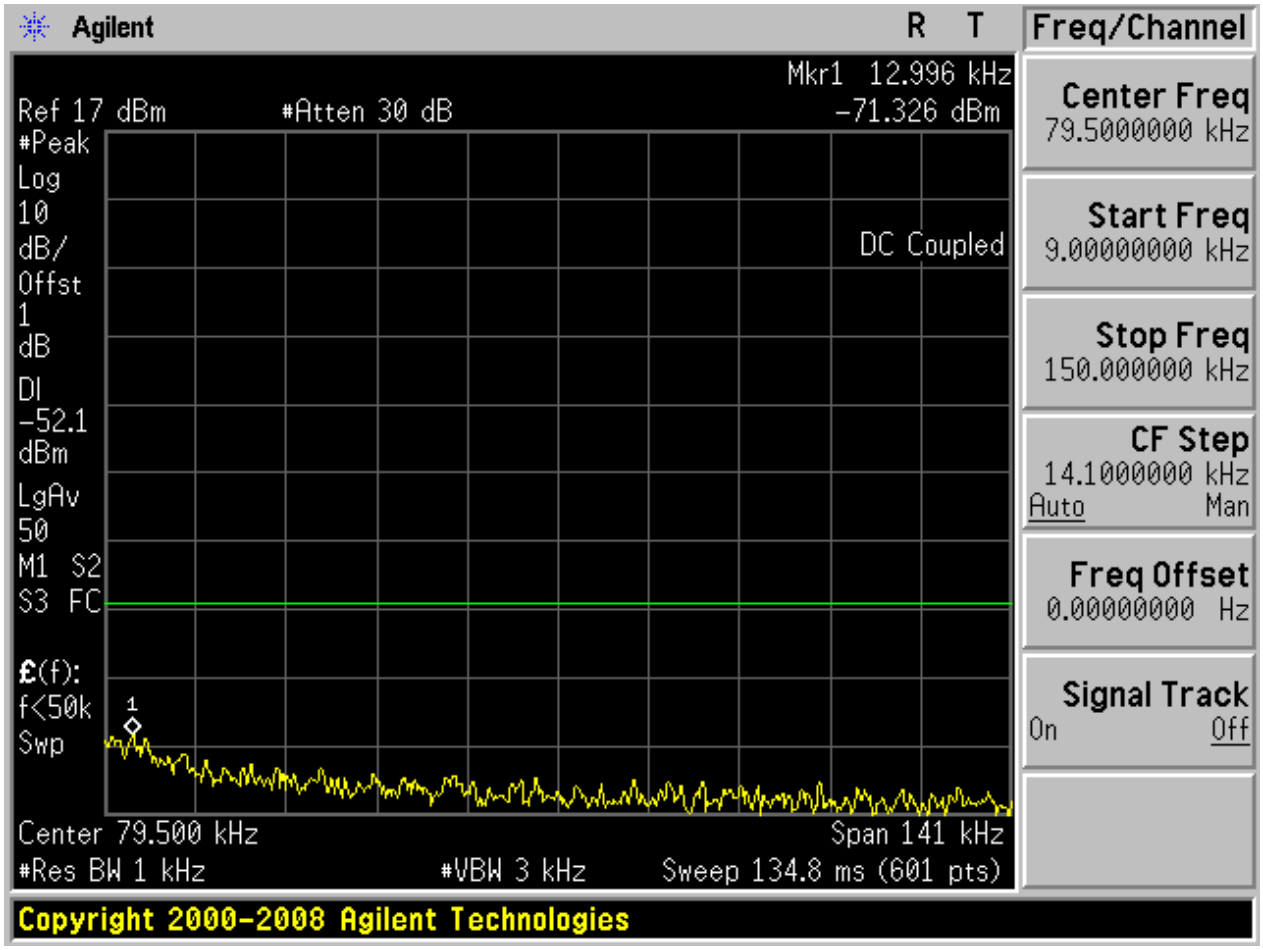

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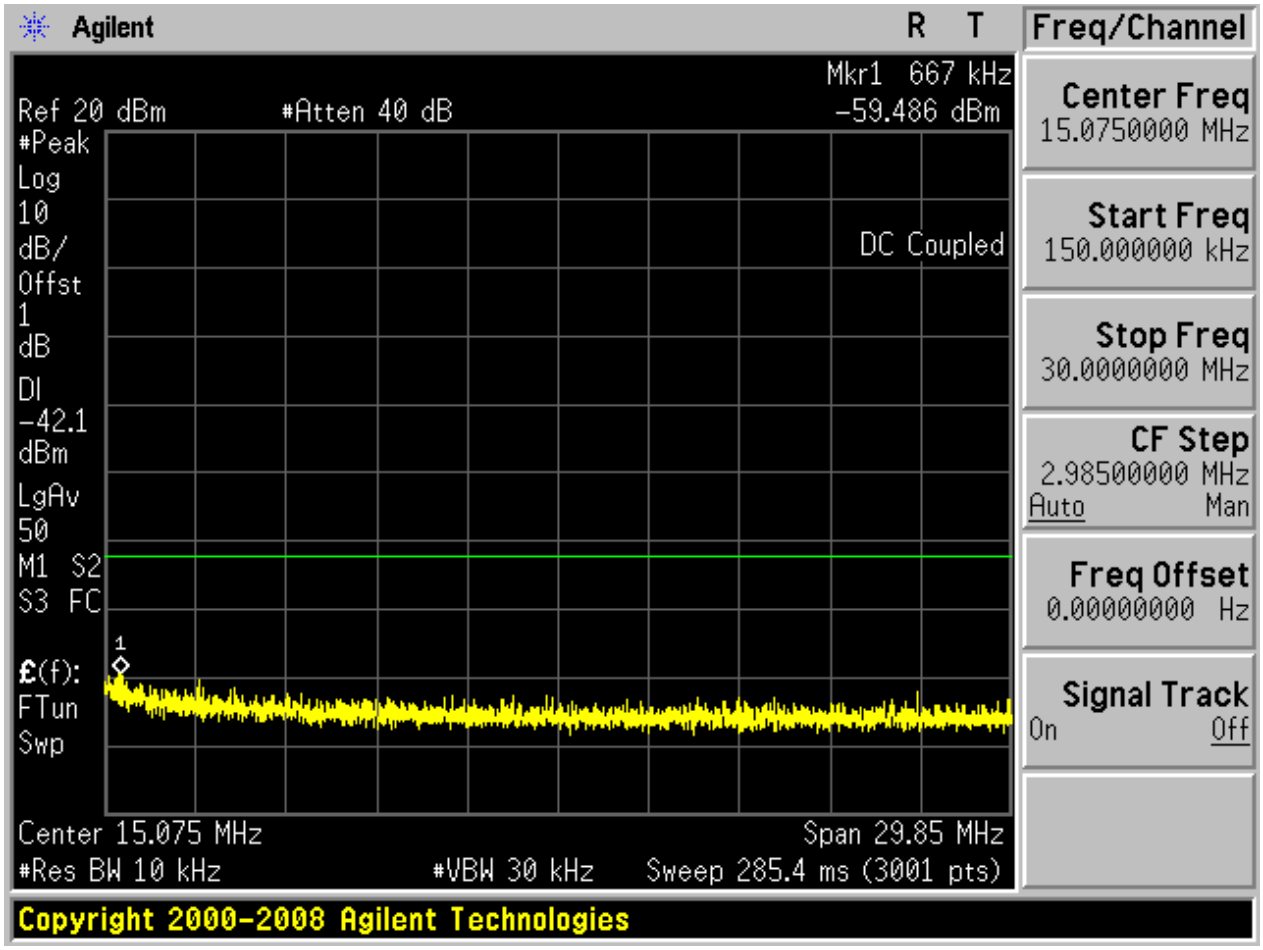

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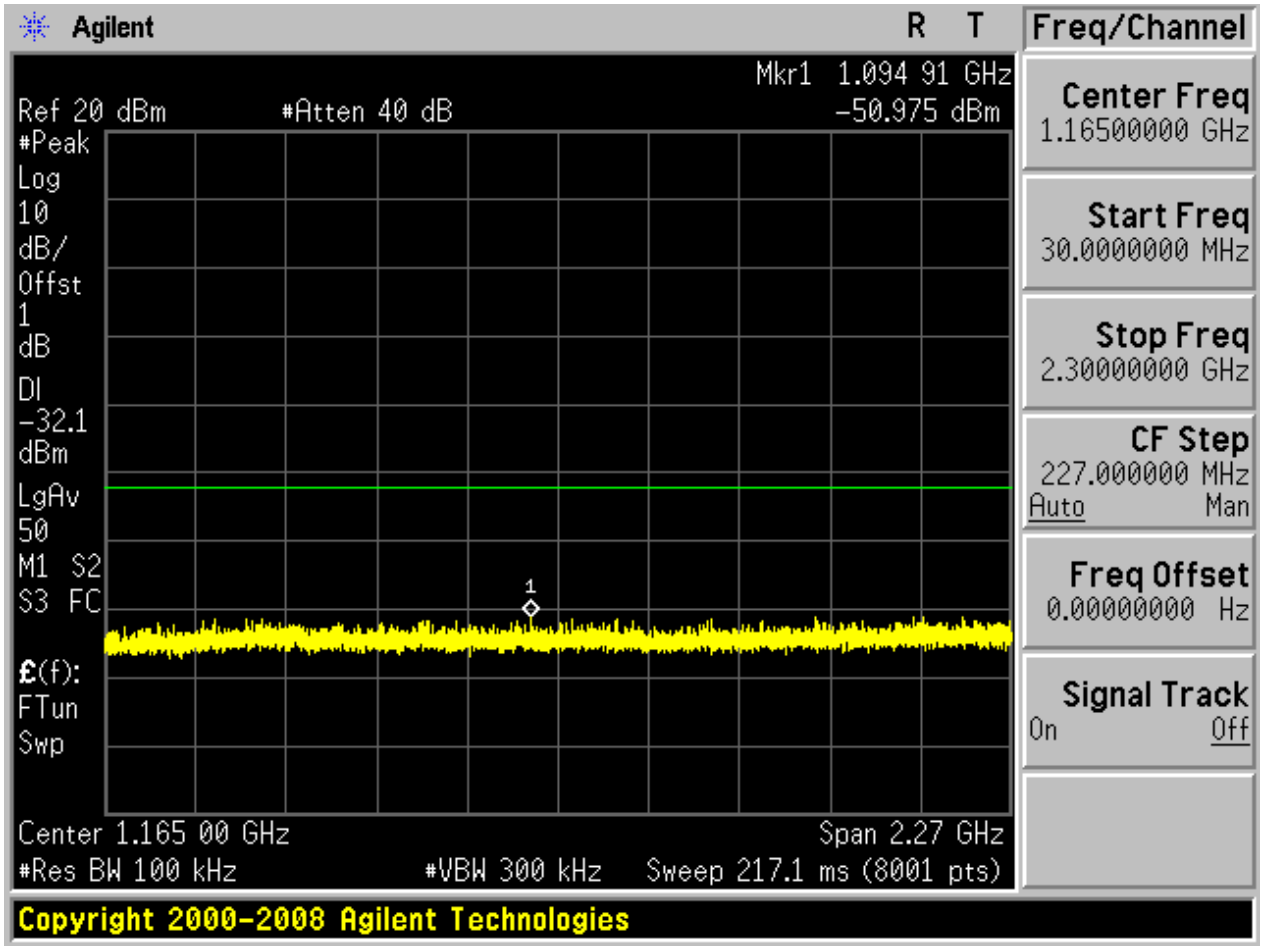

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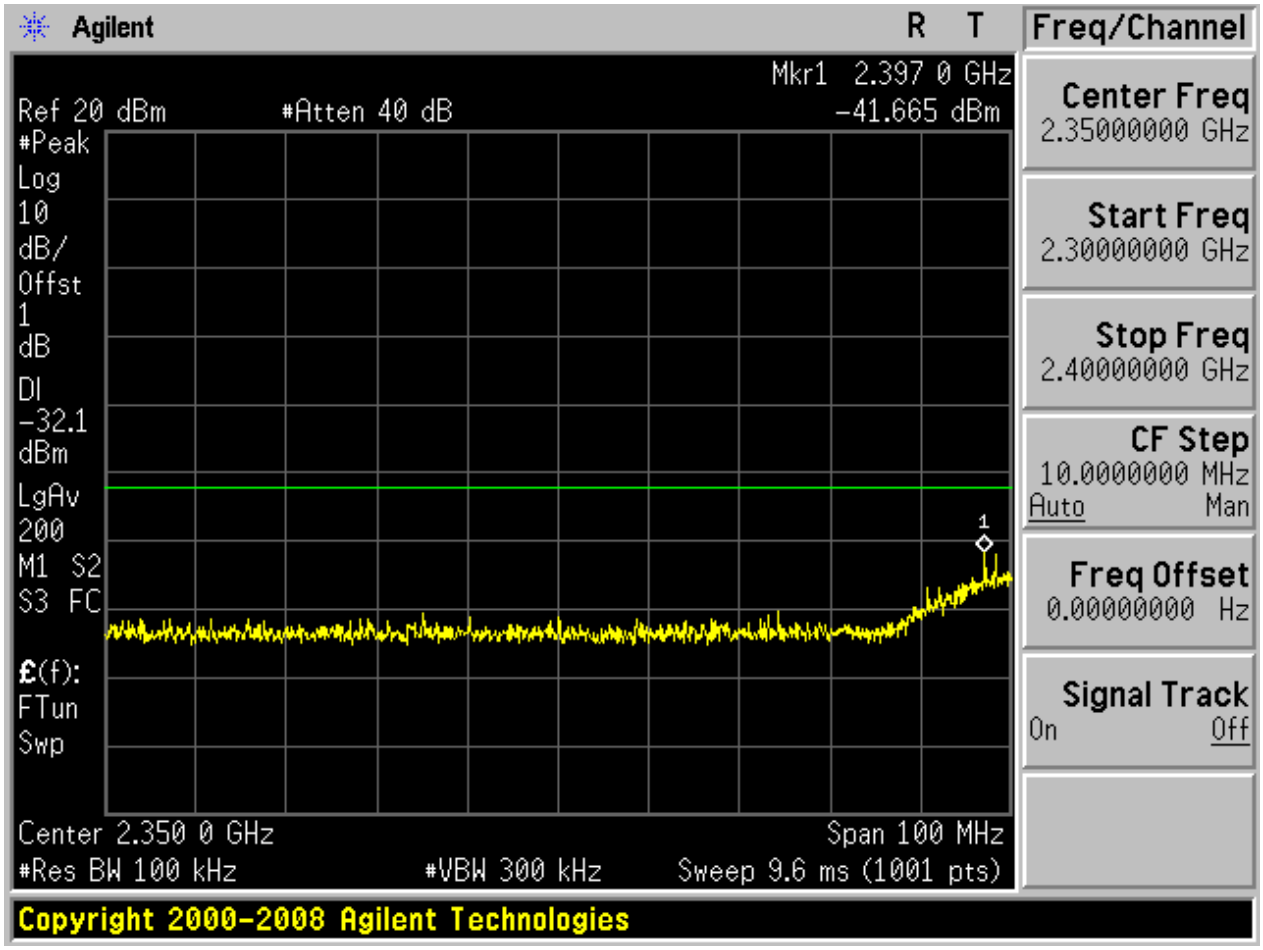

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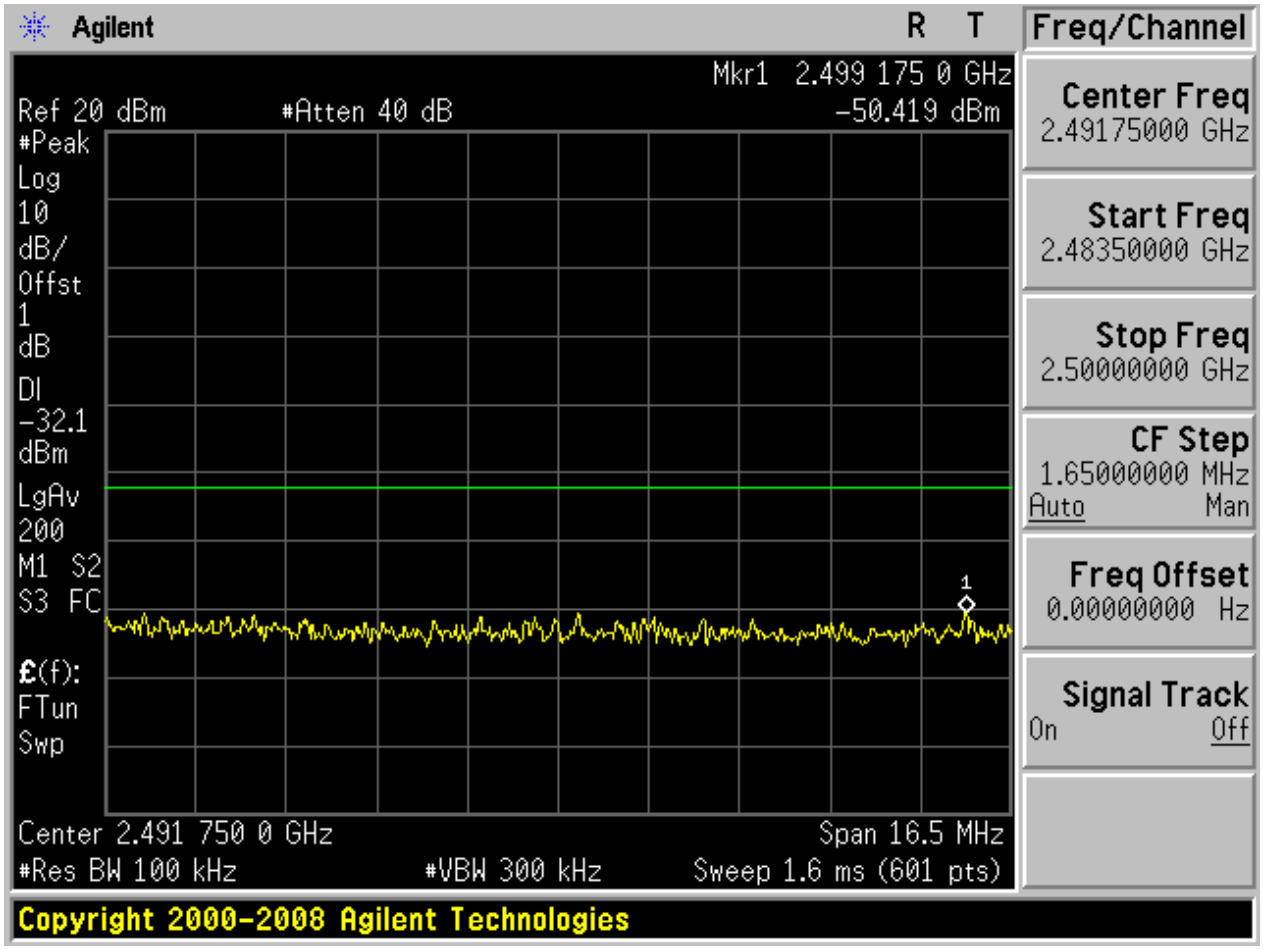

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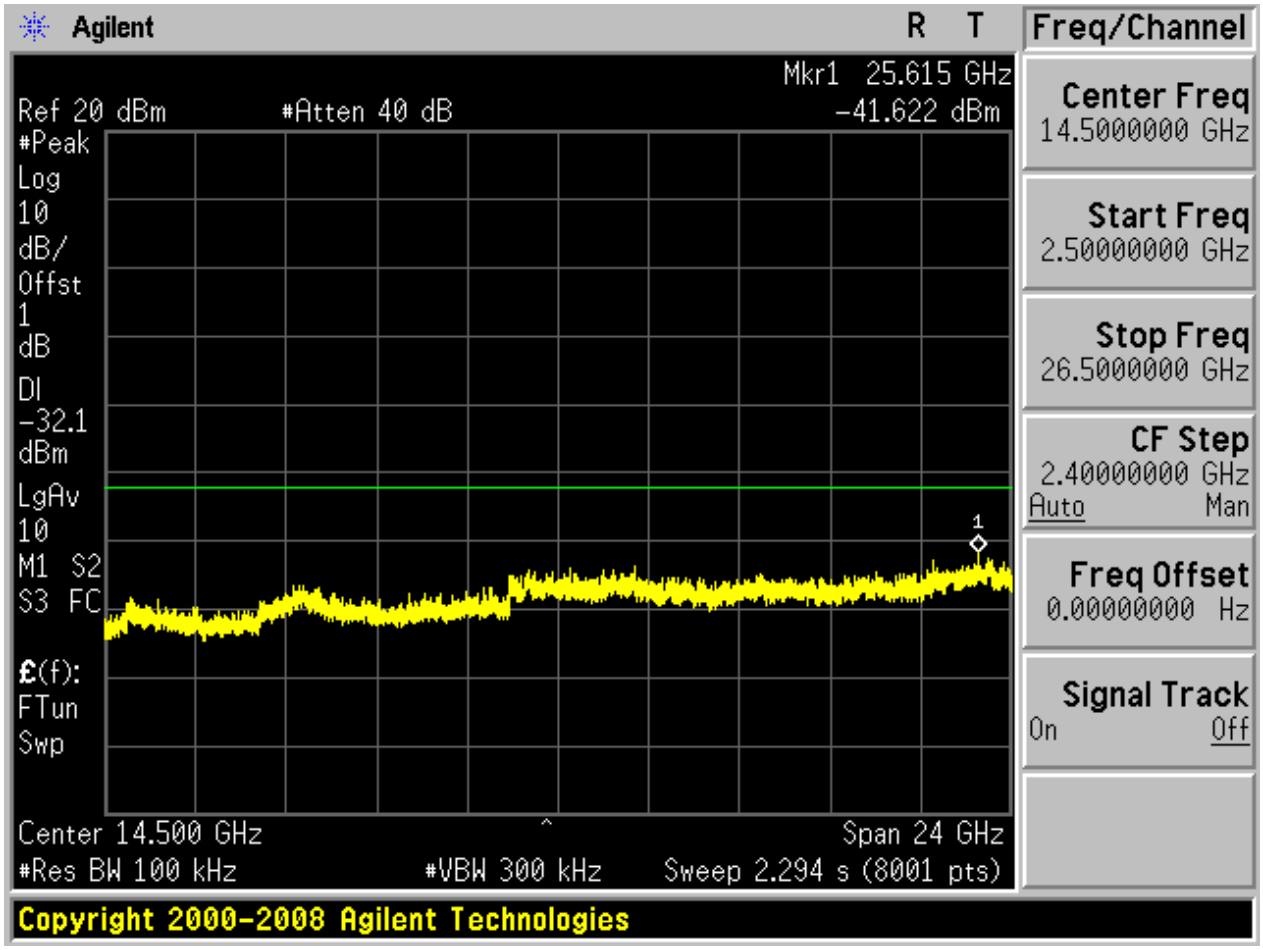

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2.26 11N40_L@Ant 2

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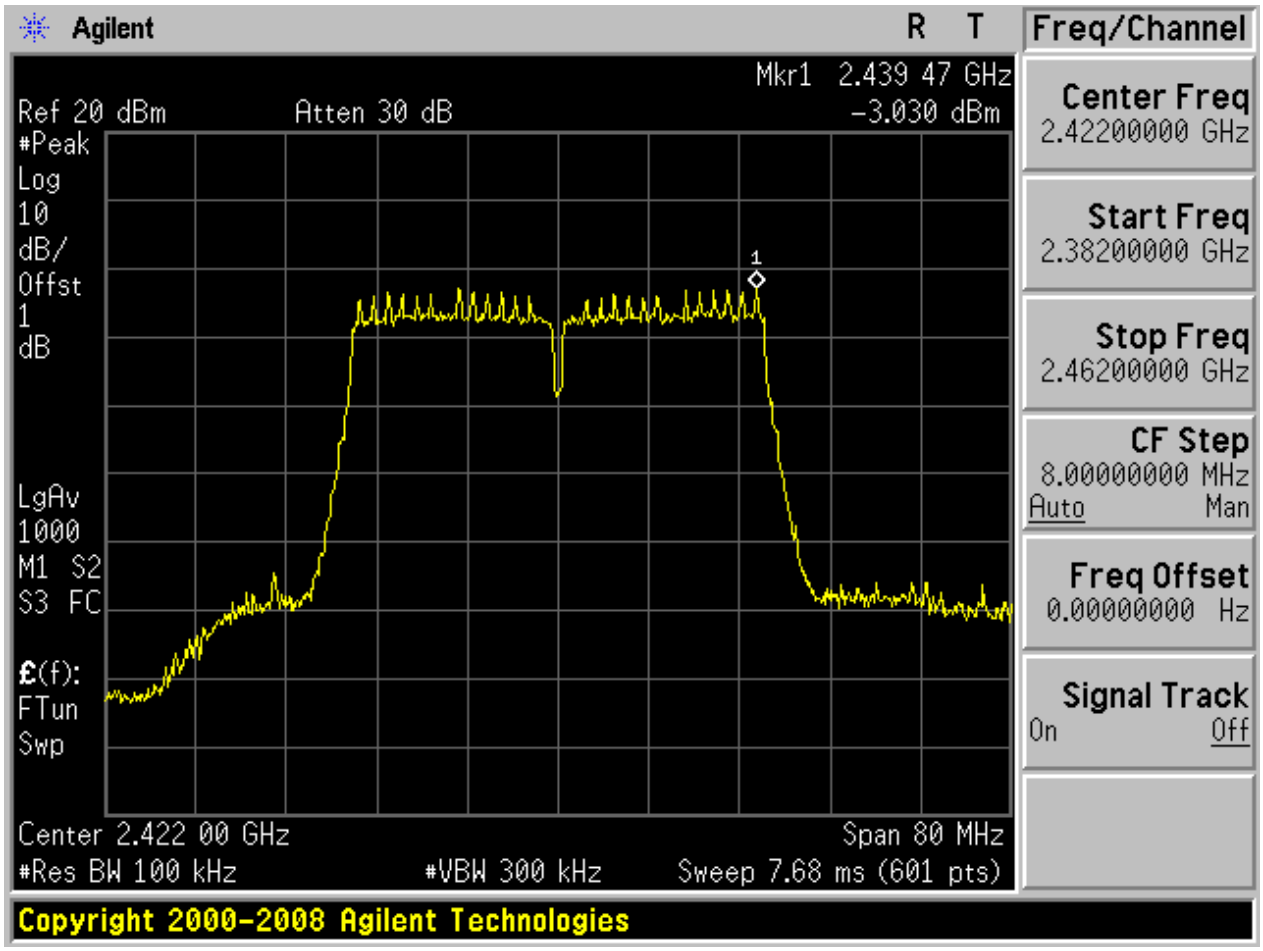

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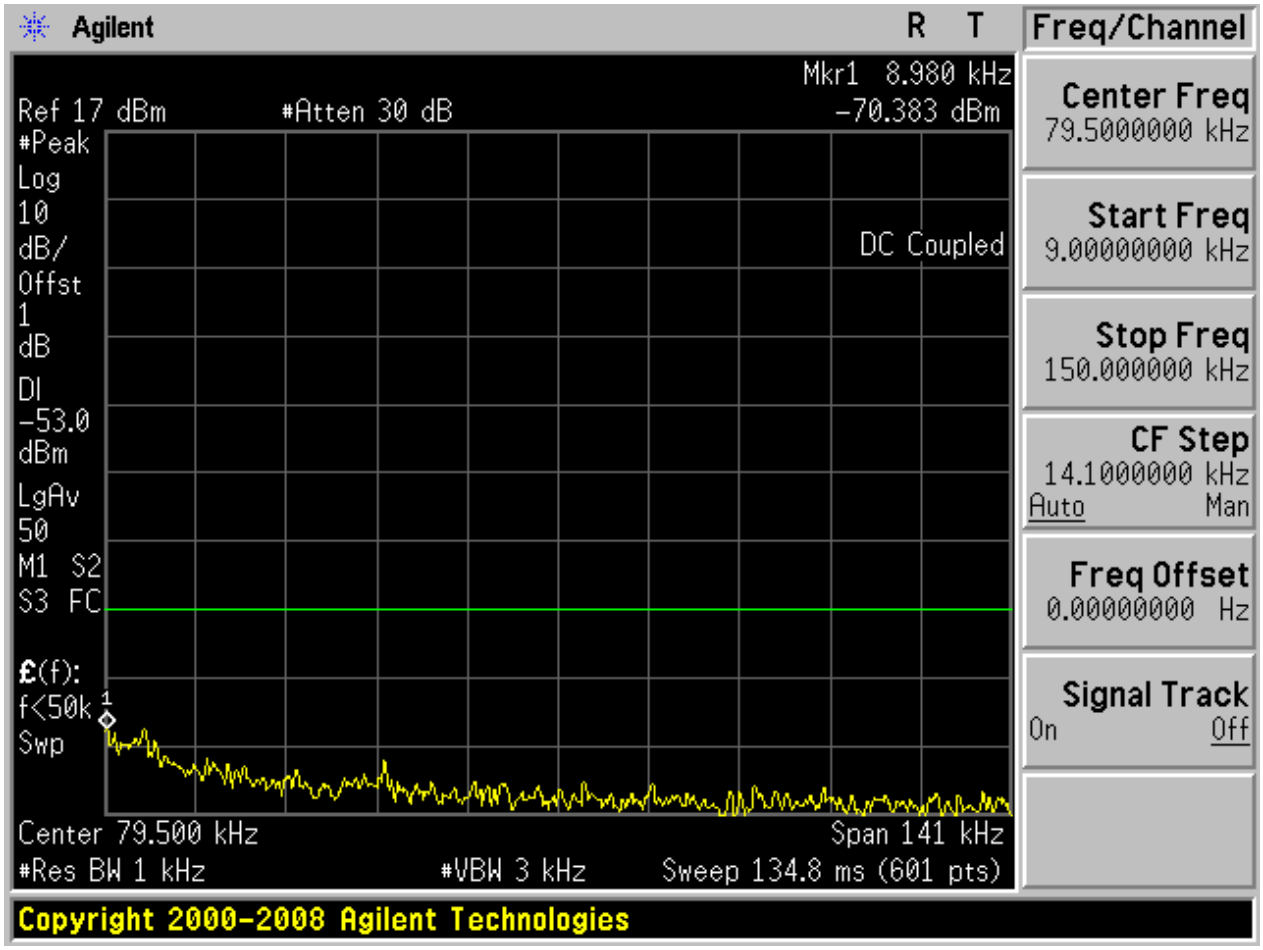

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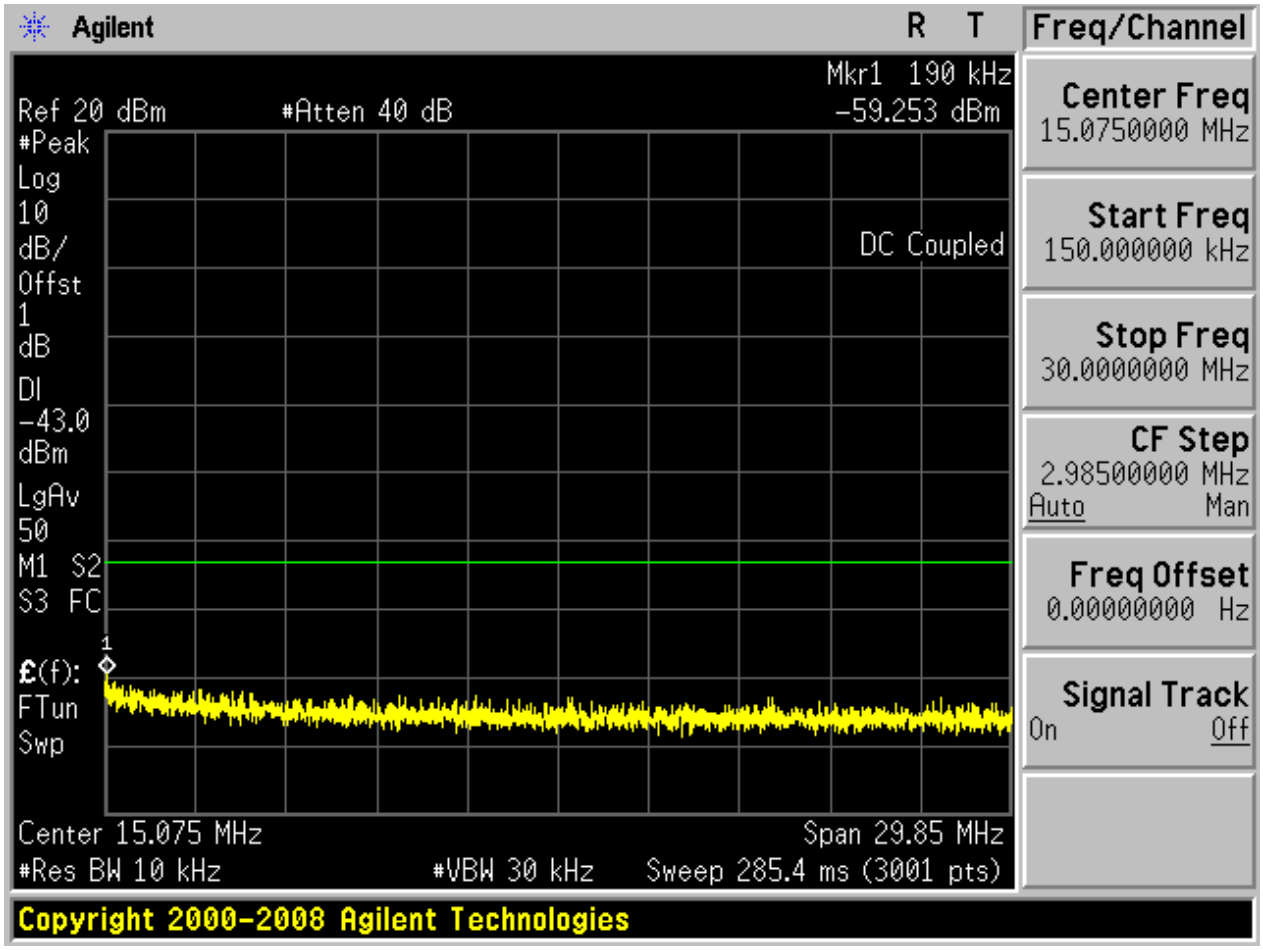

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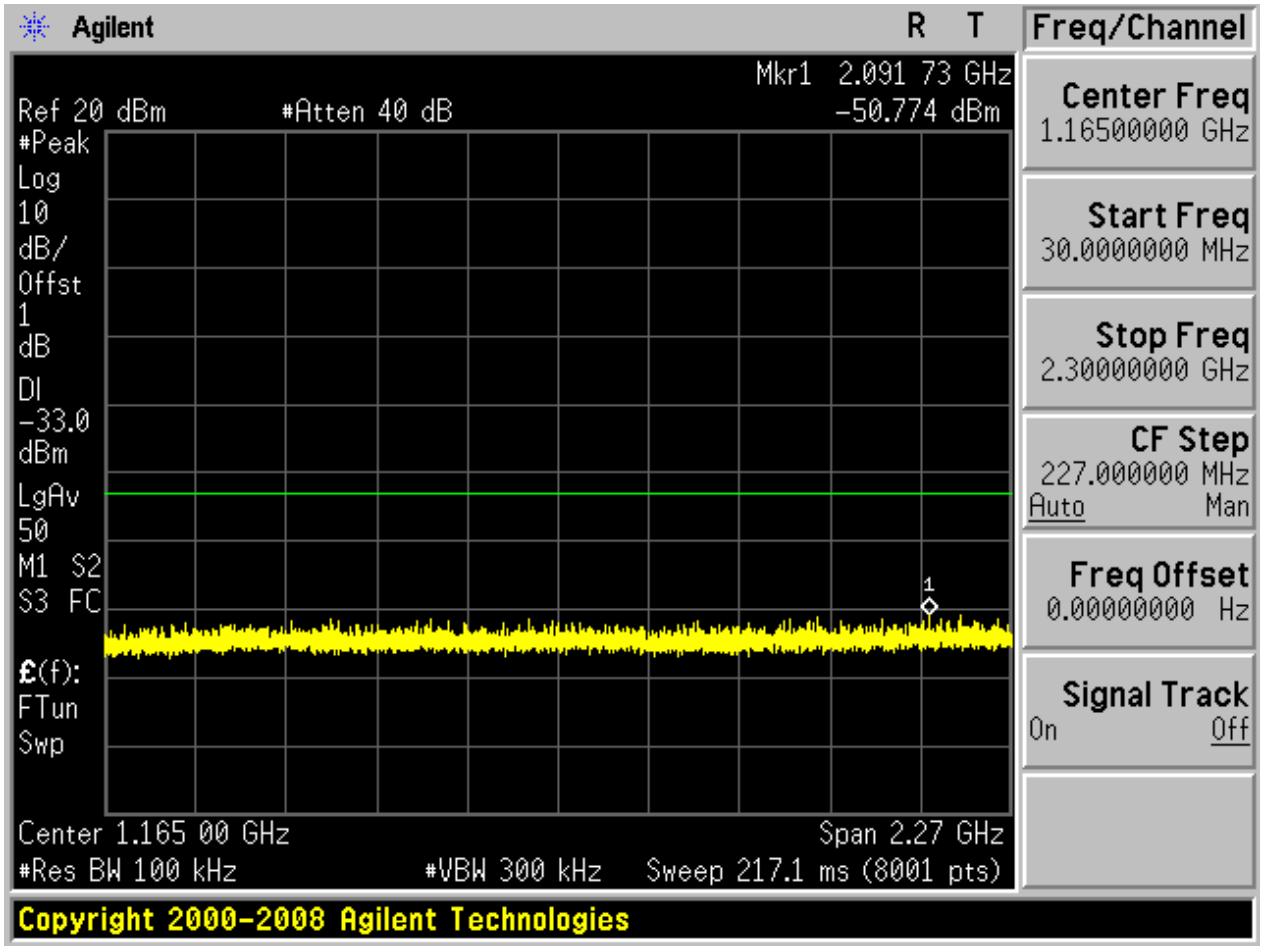

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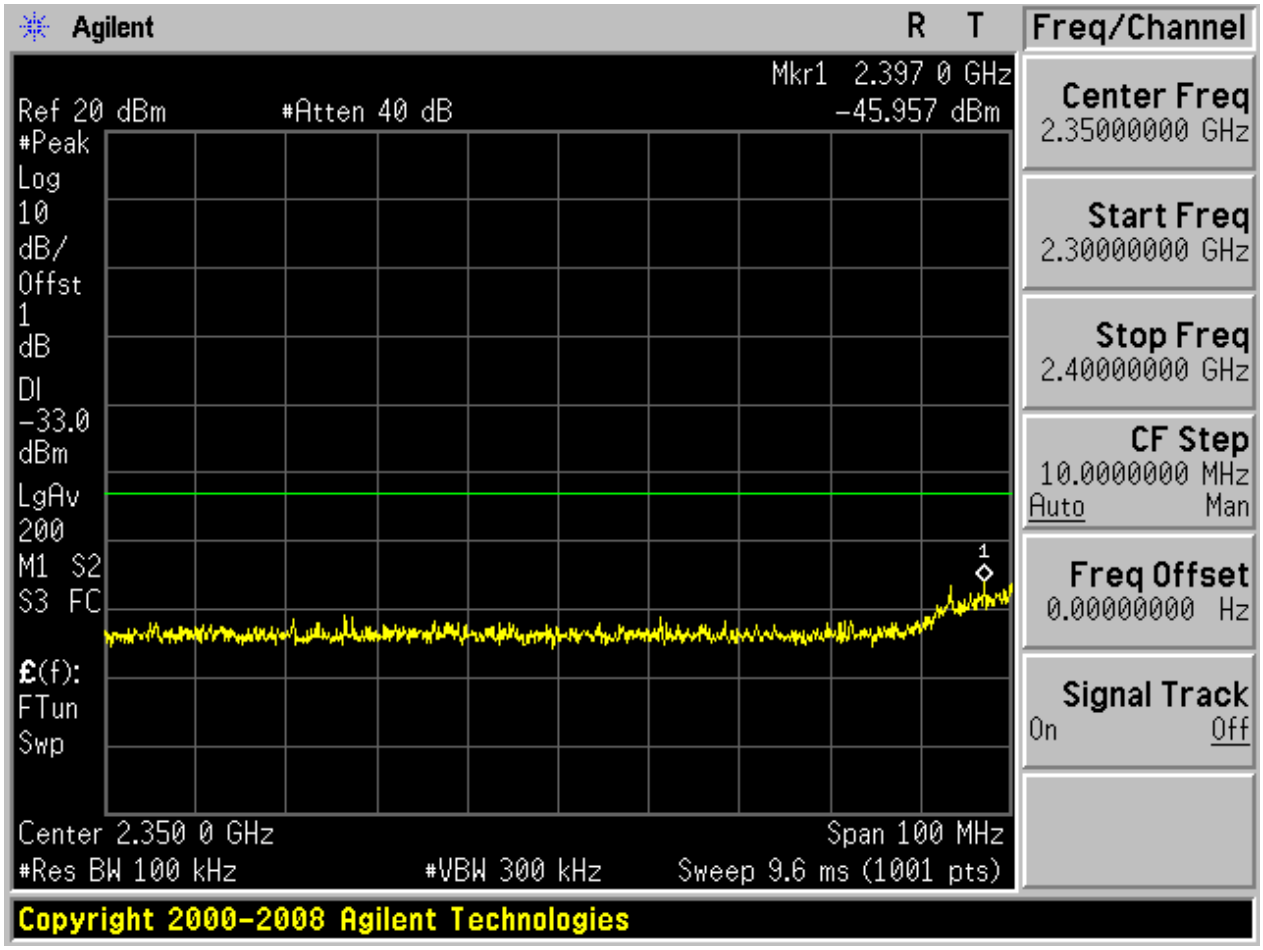

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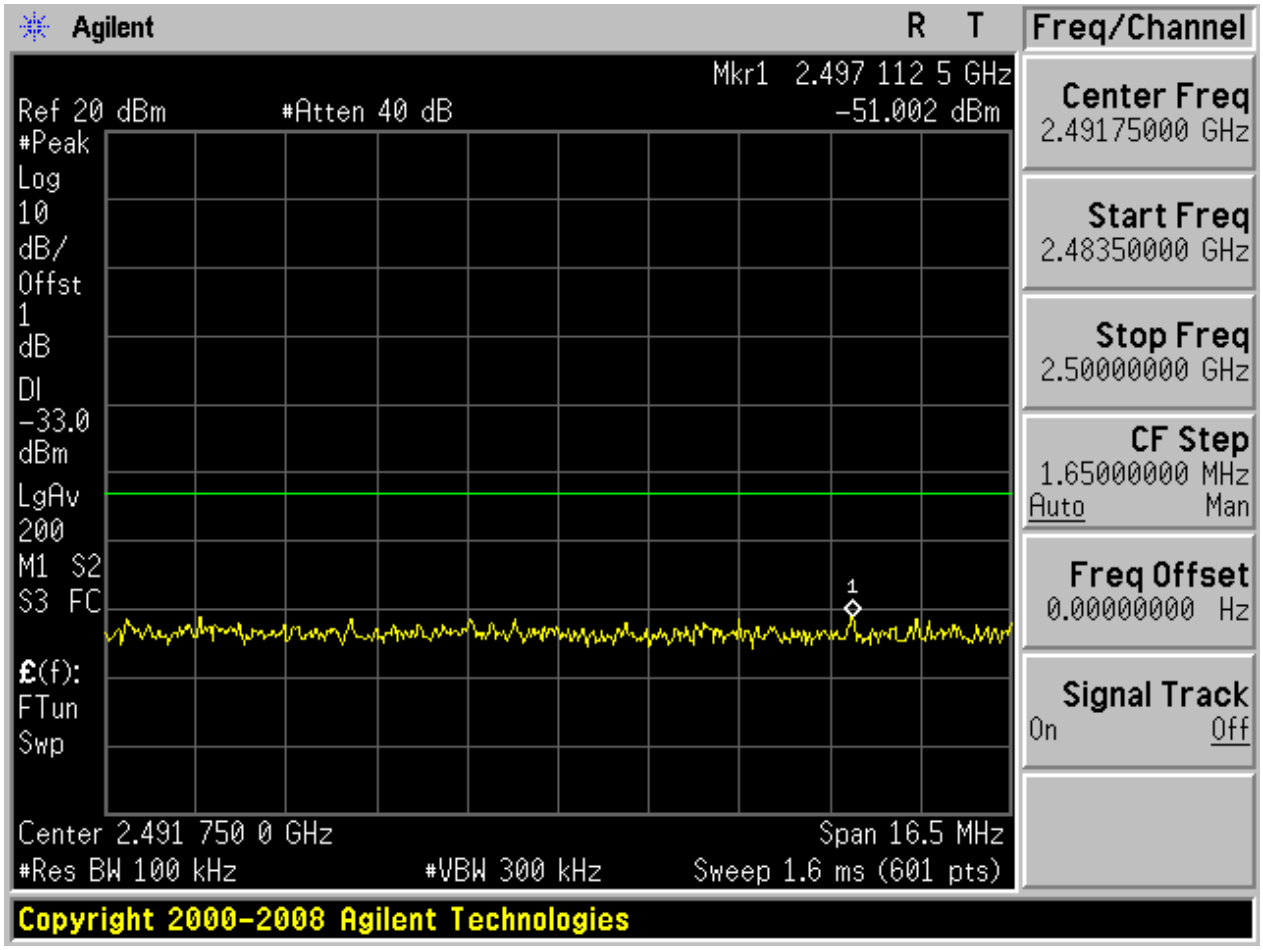

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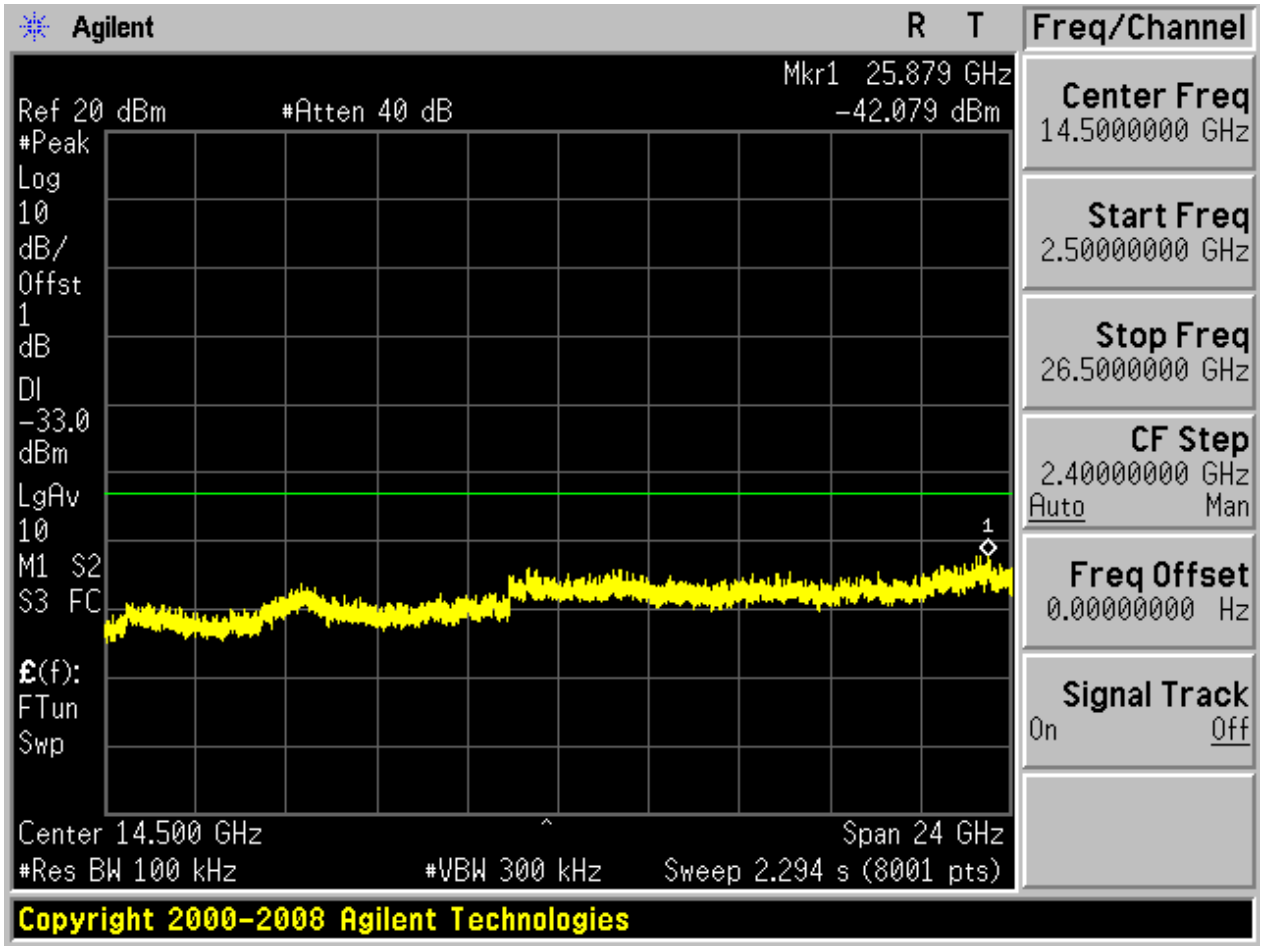

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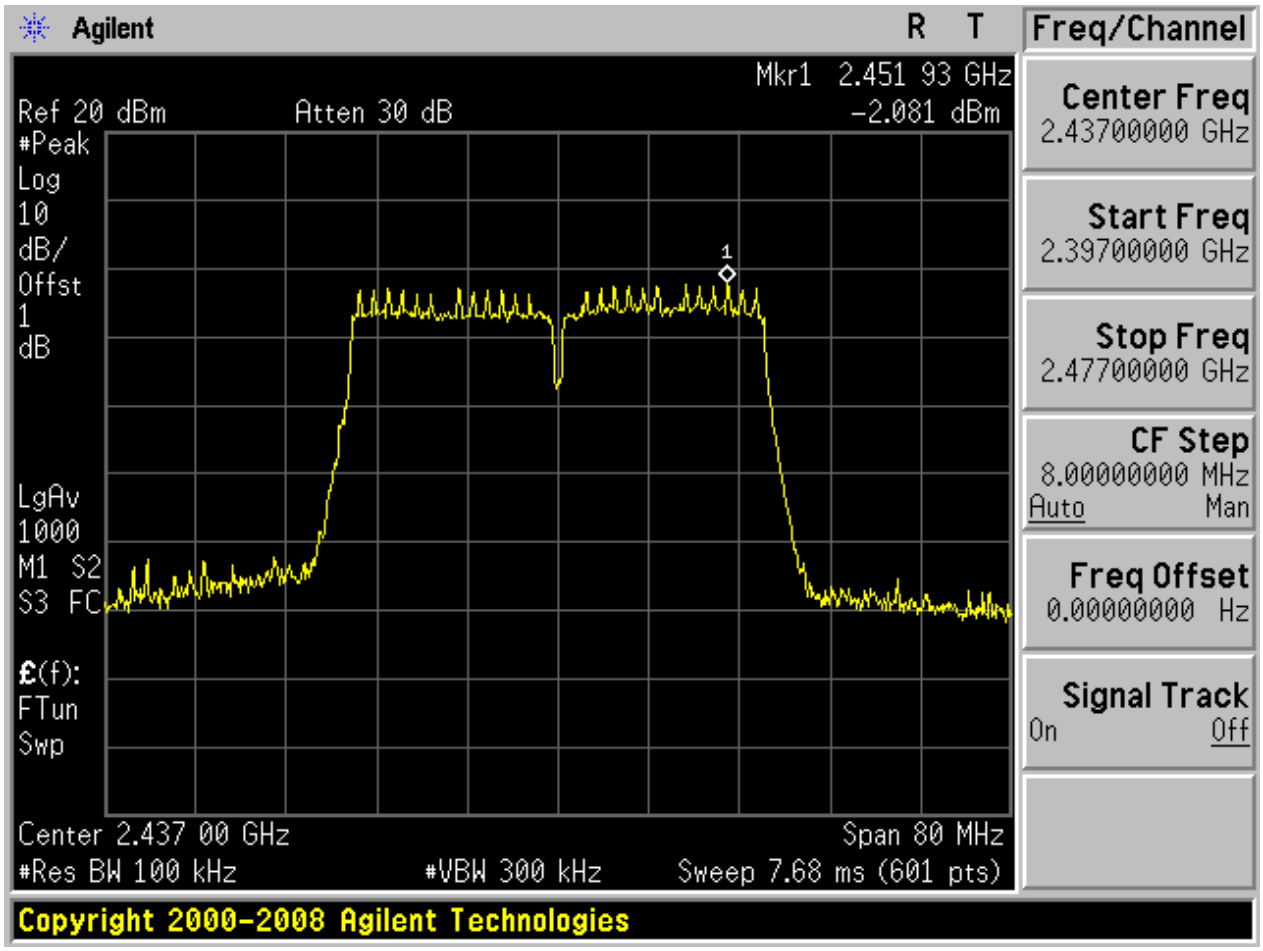

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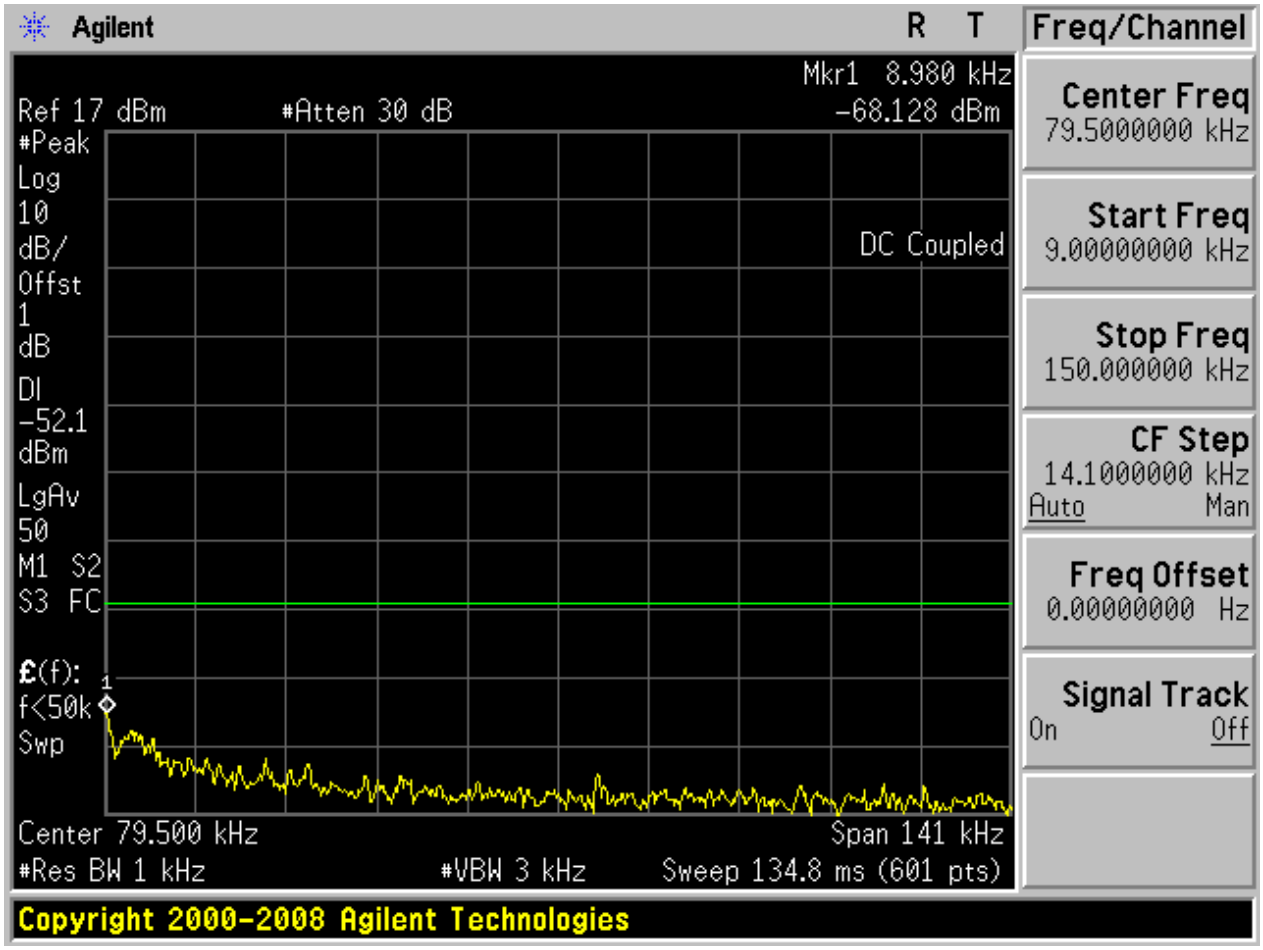

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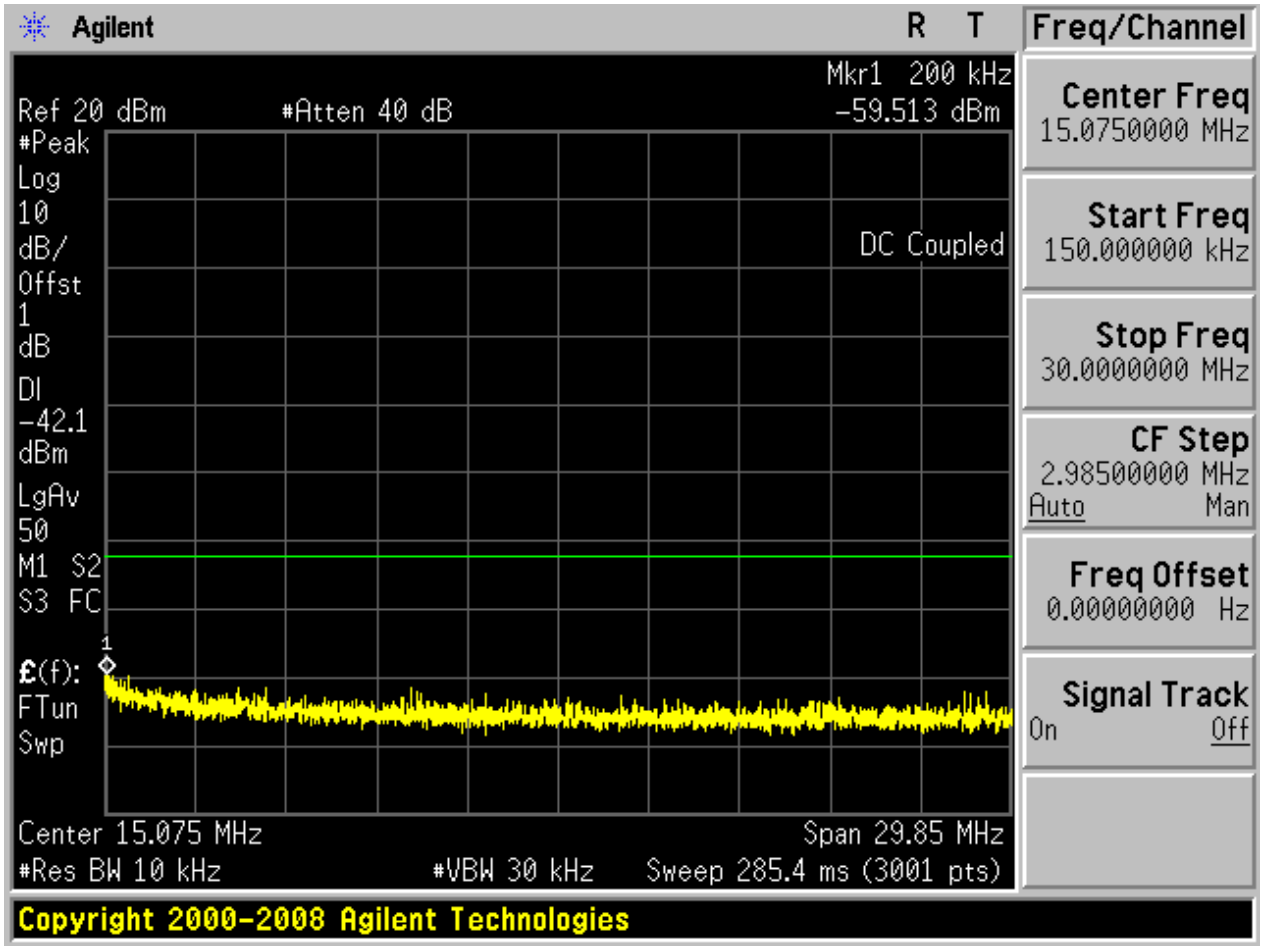

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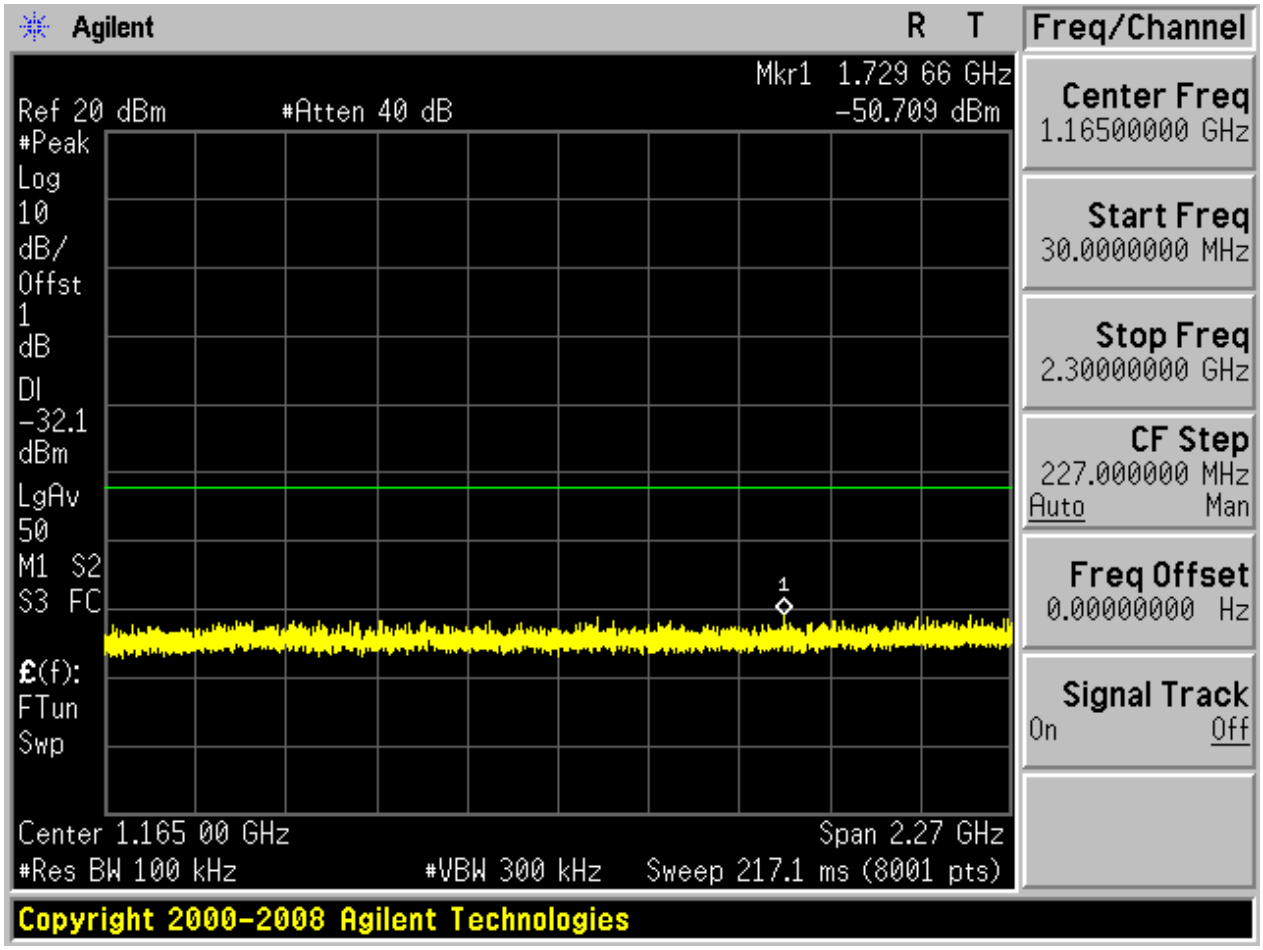

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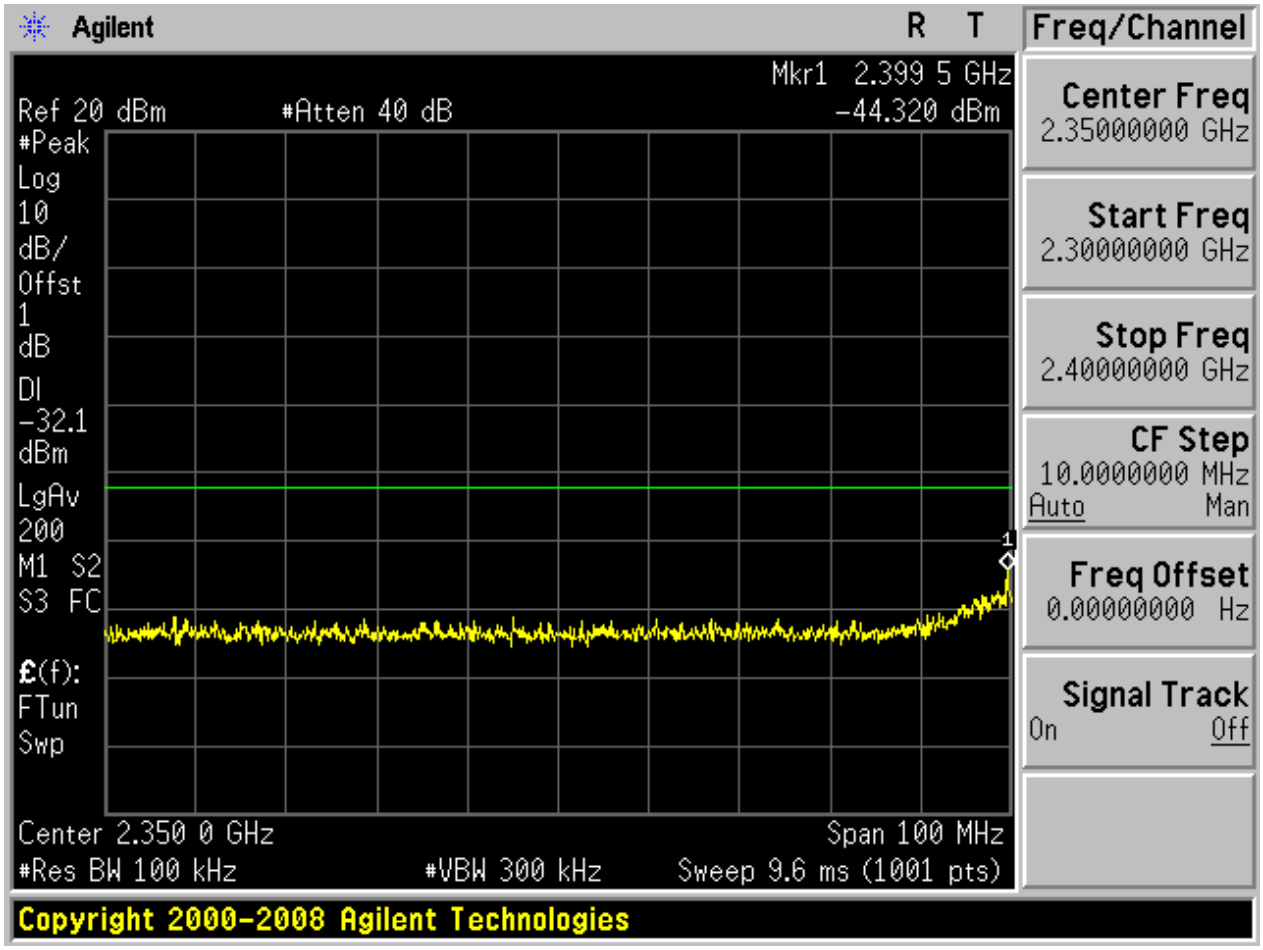

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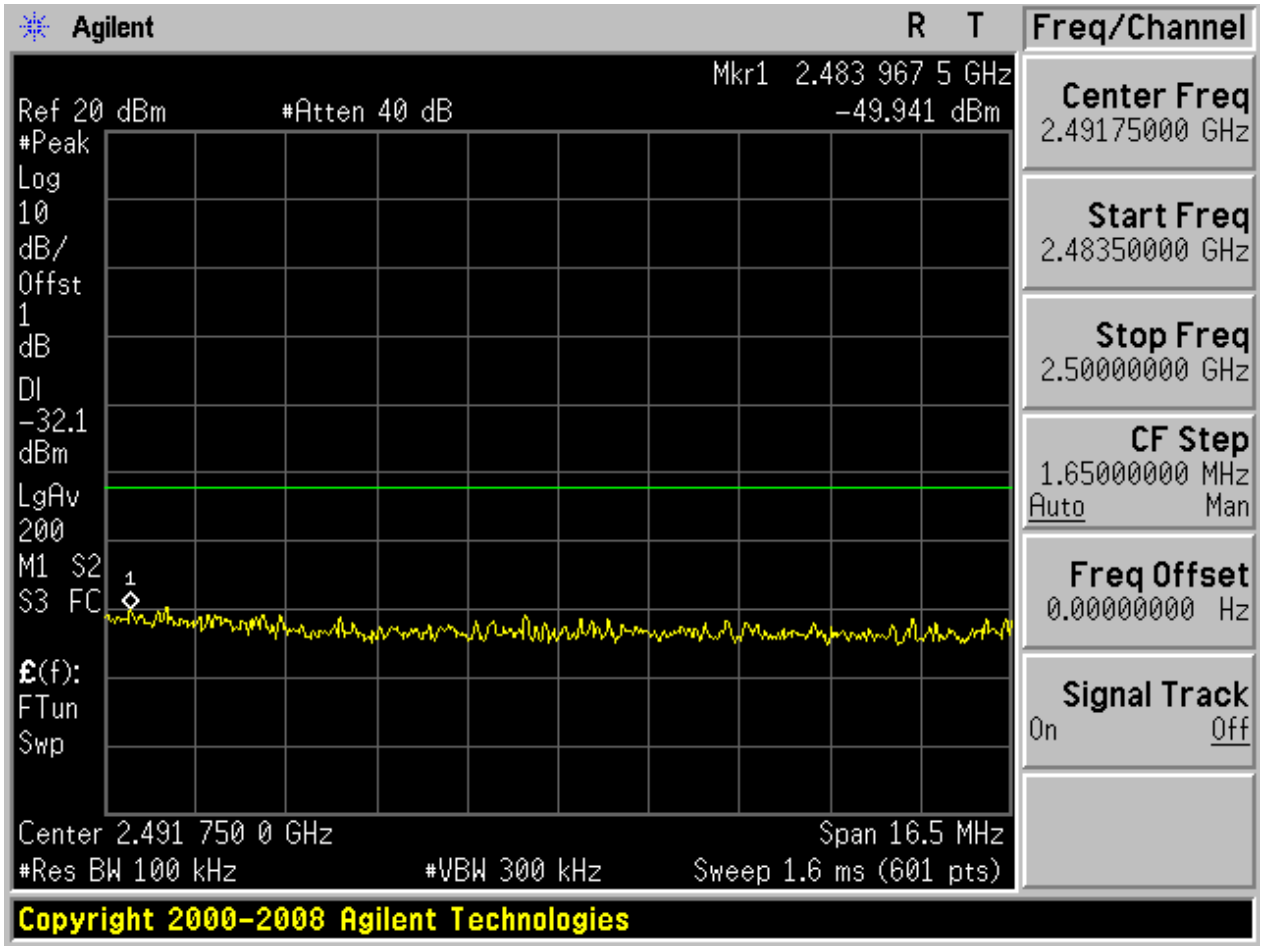

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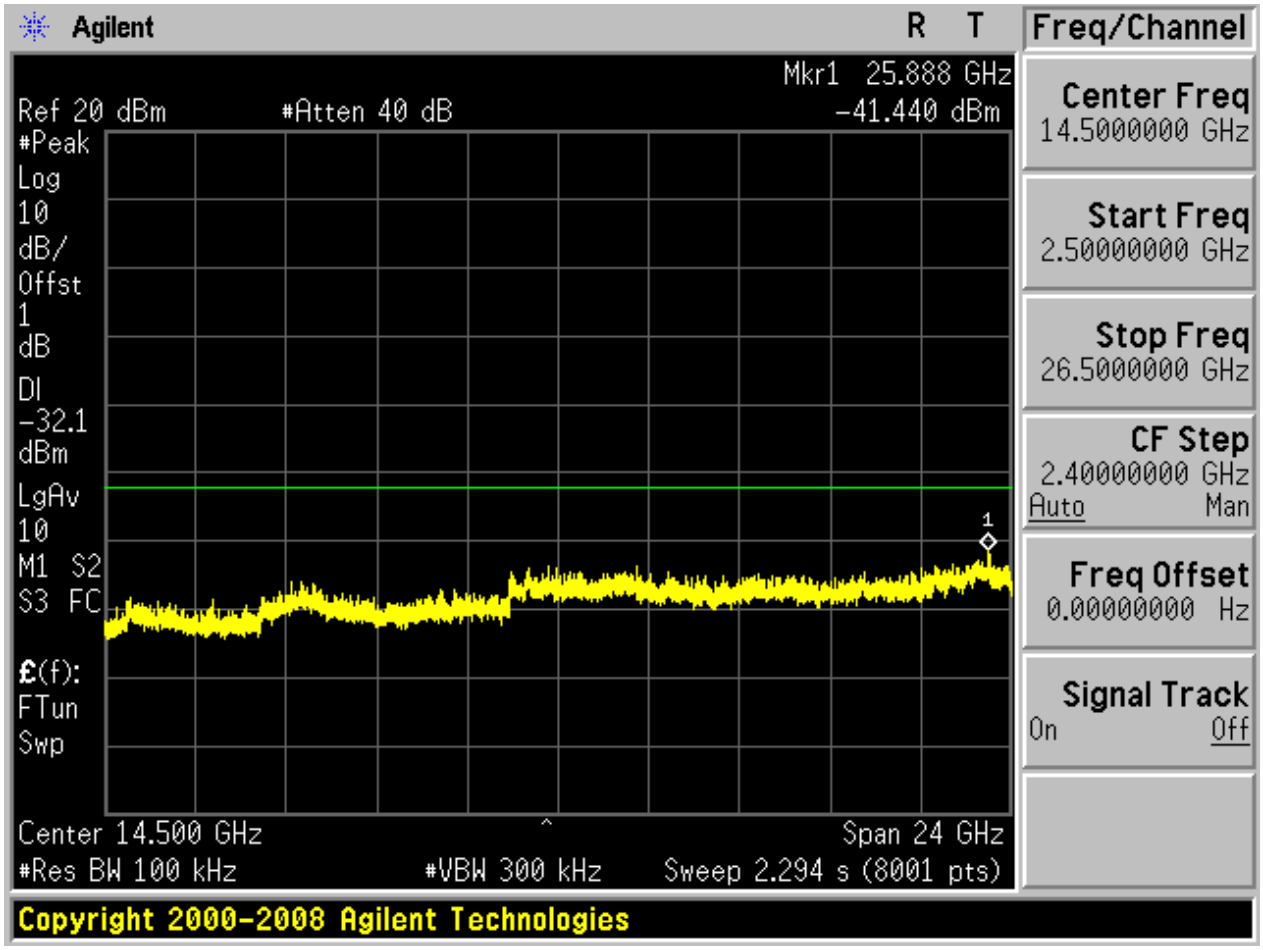

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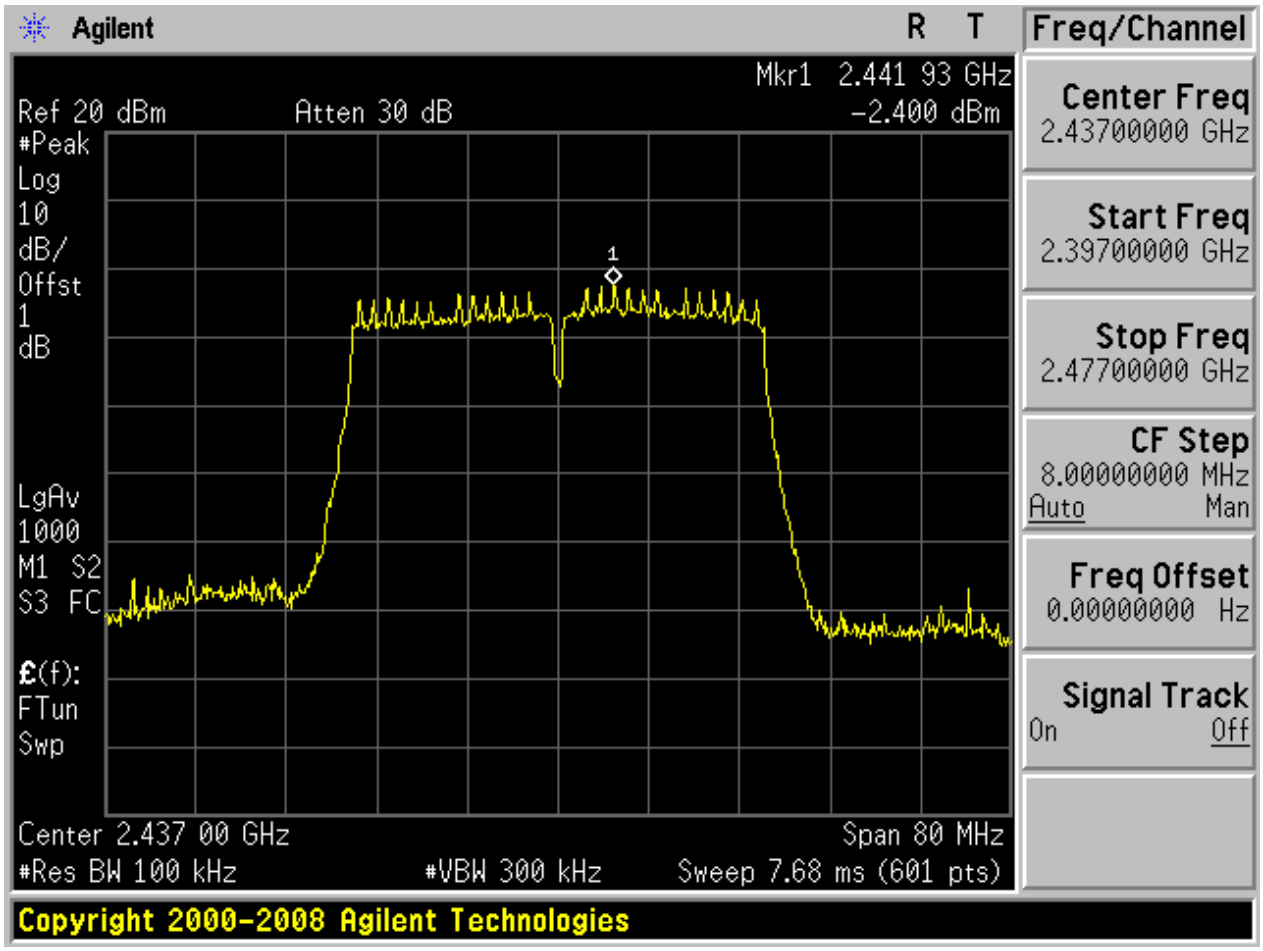

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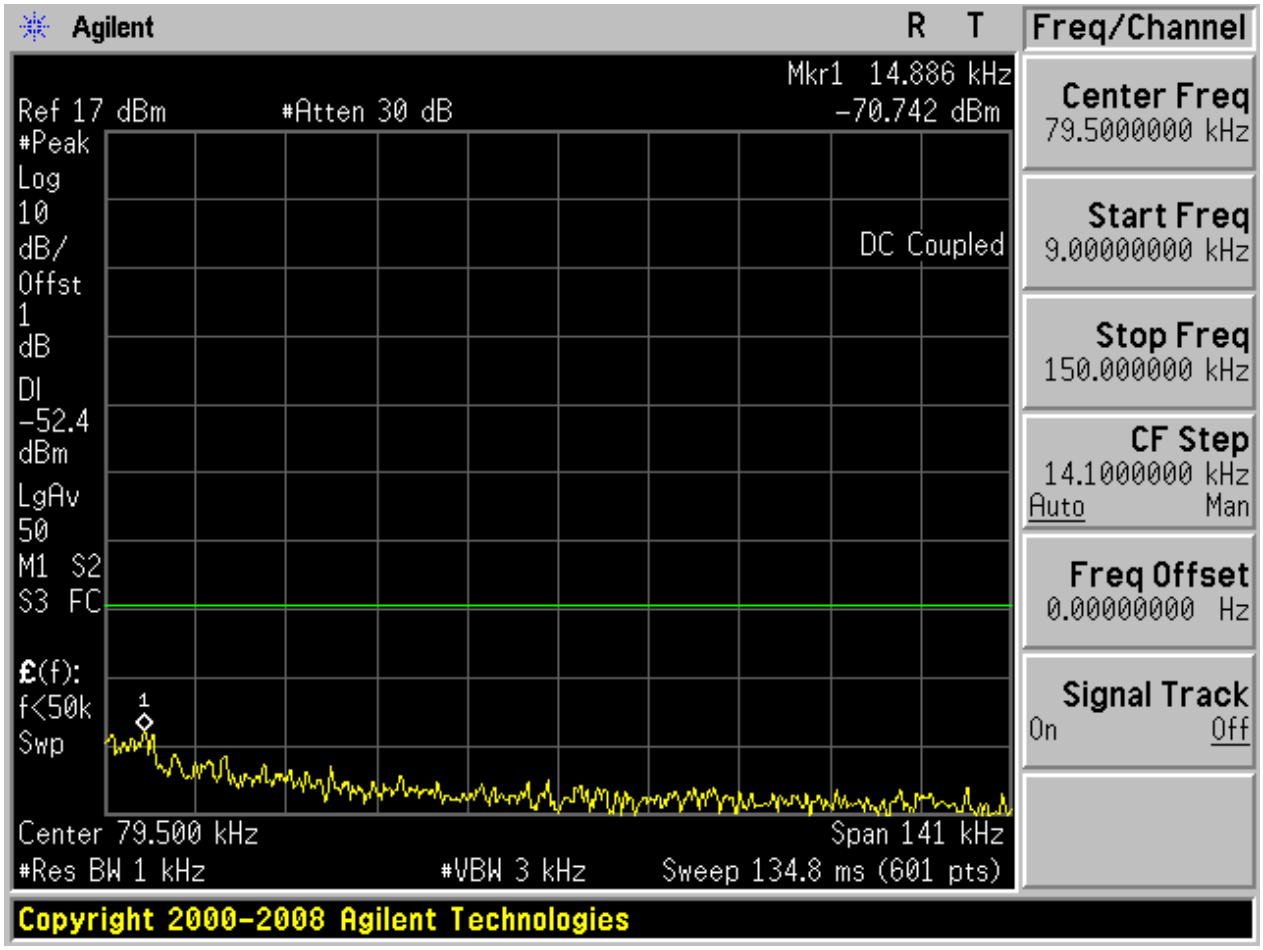

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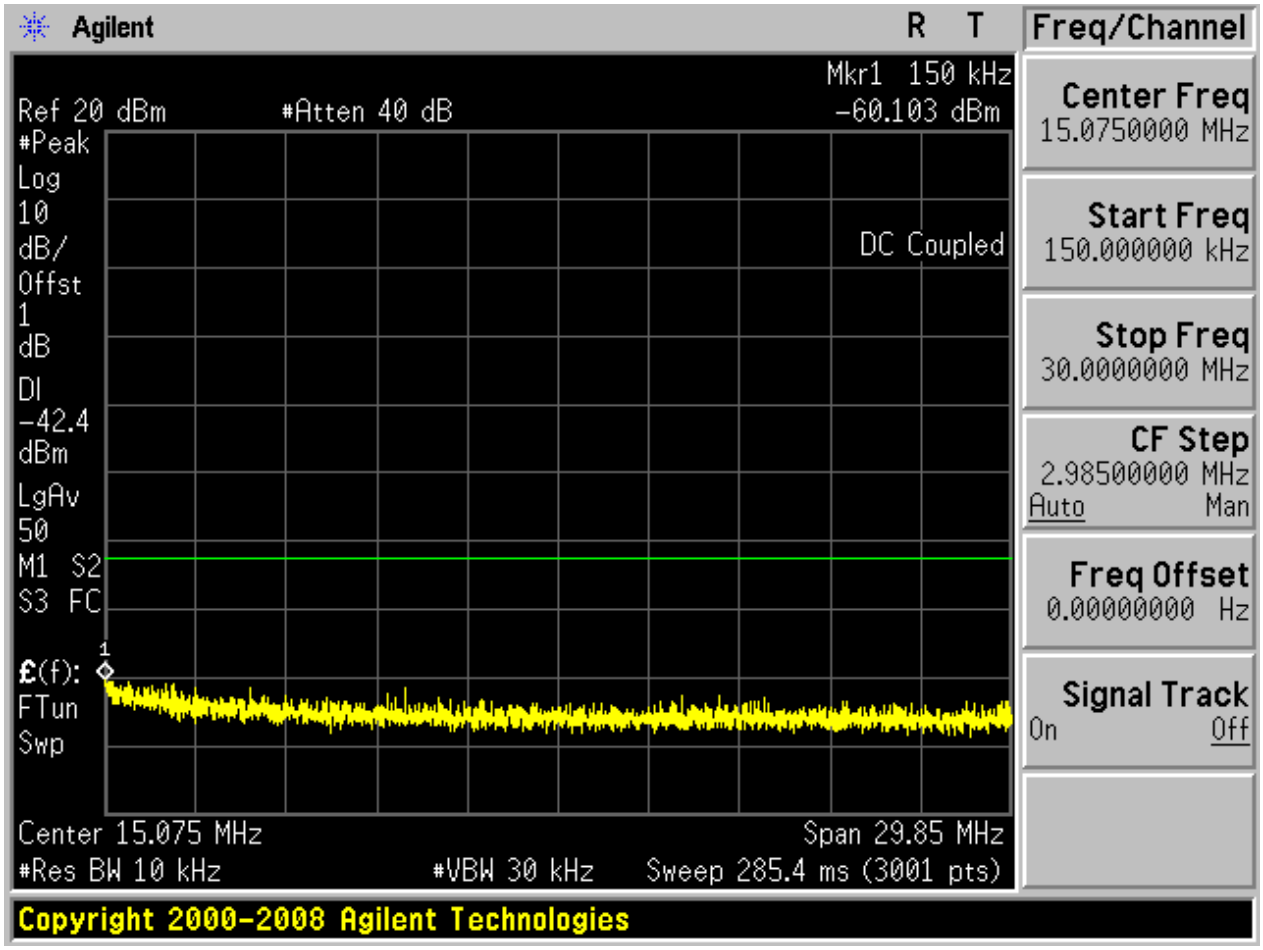

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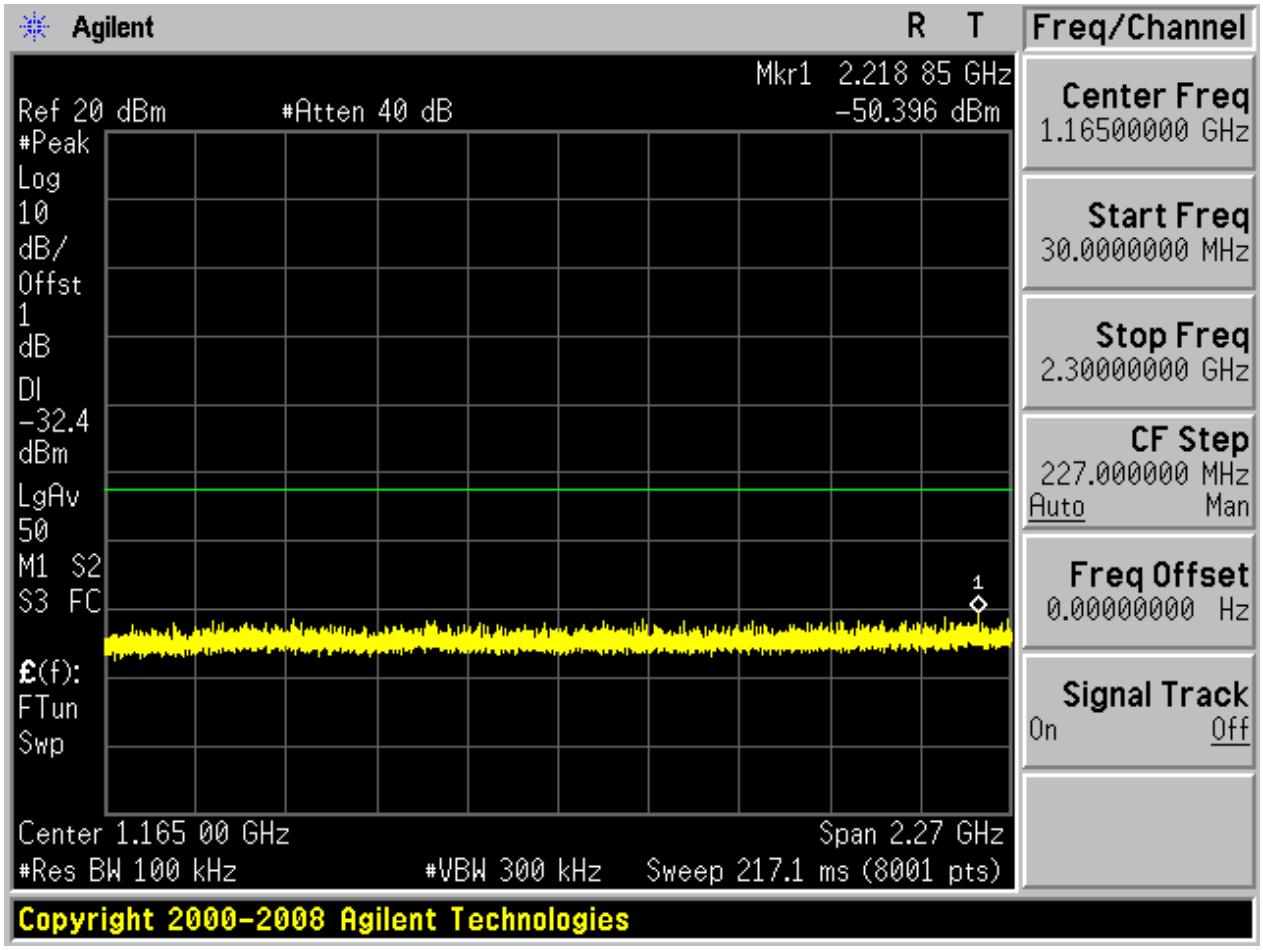

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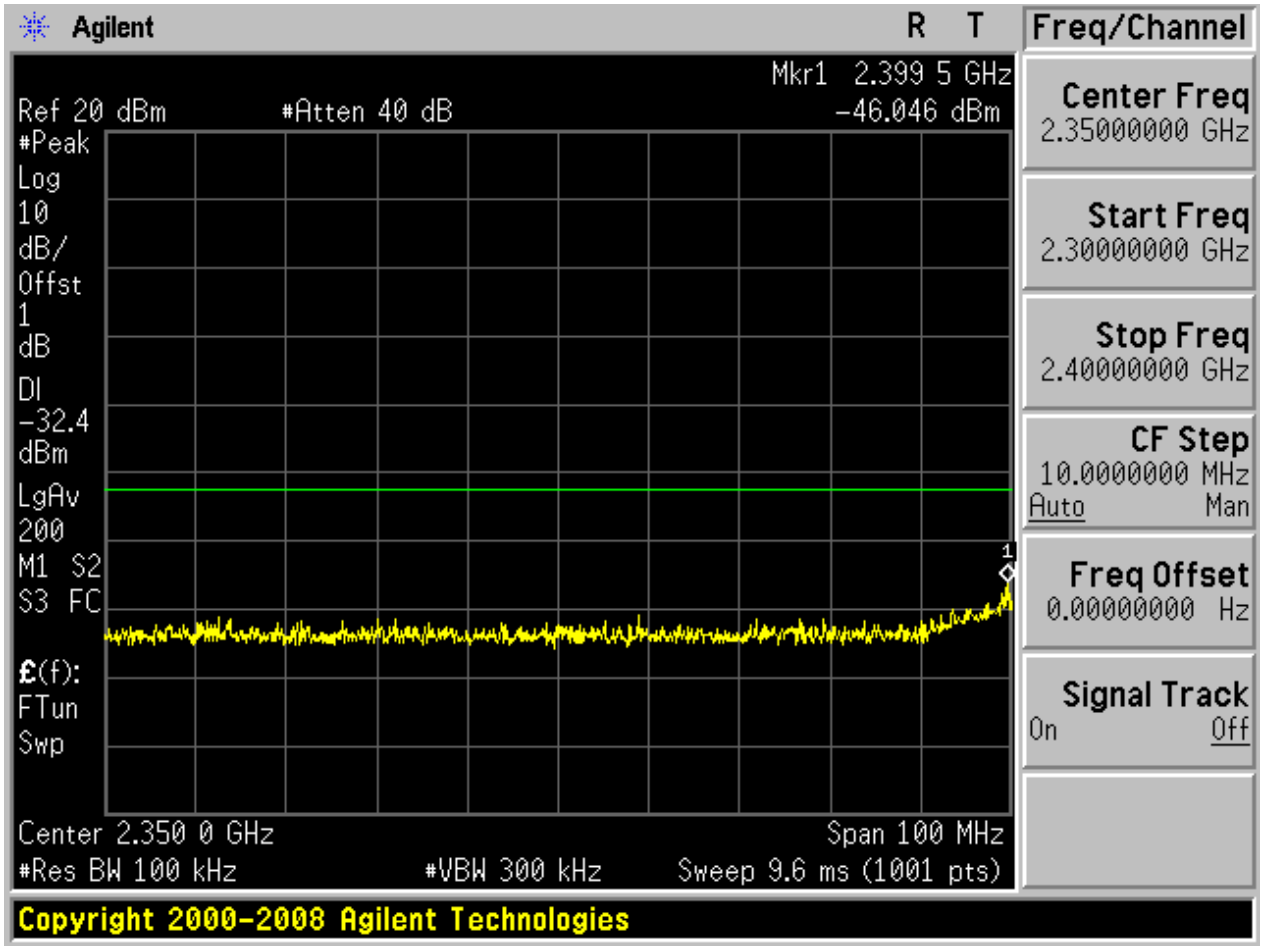

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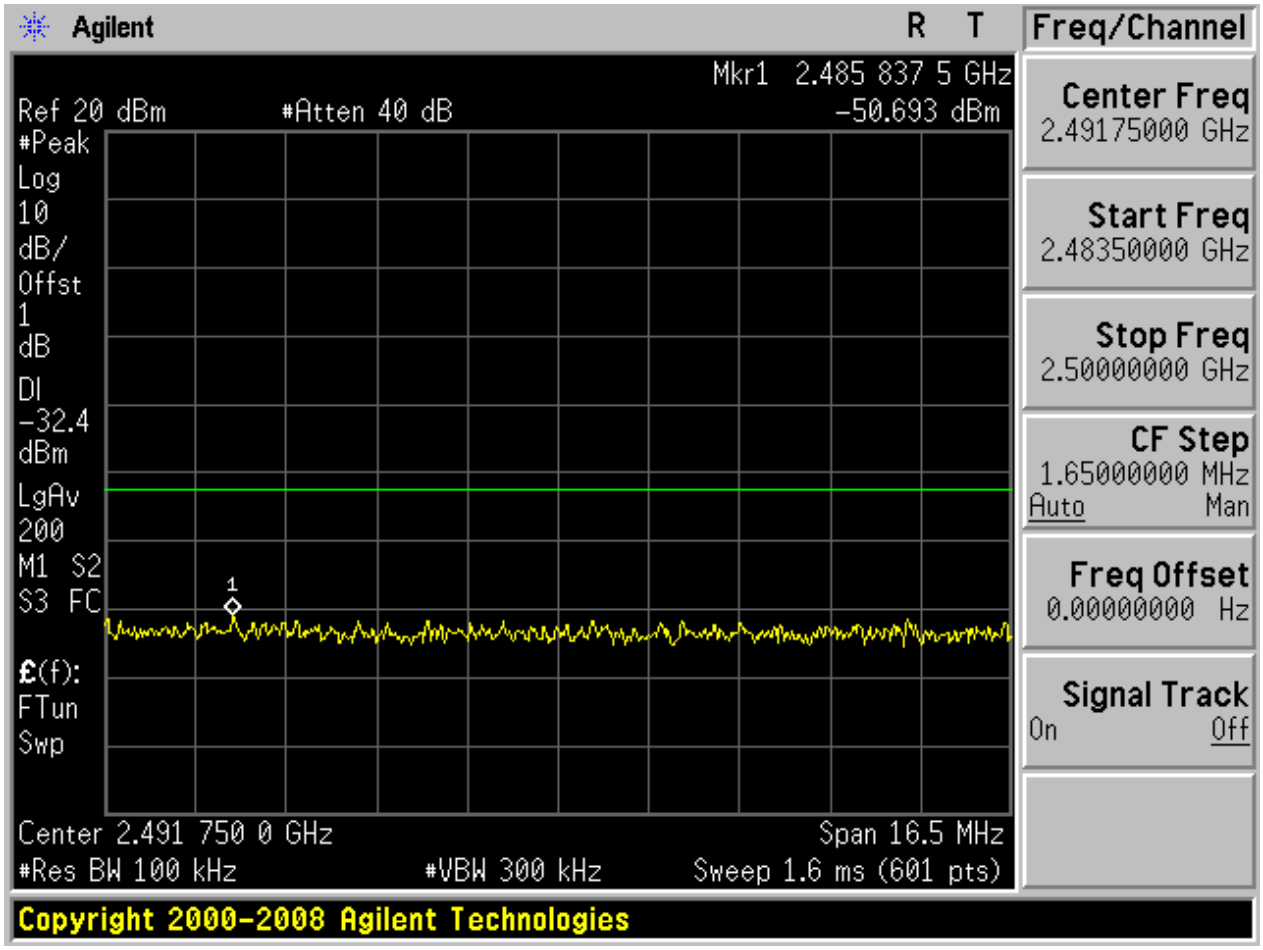

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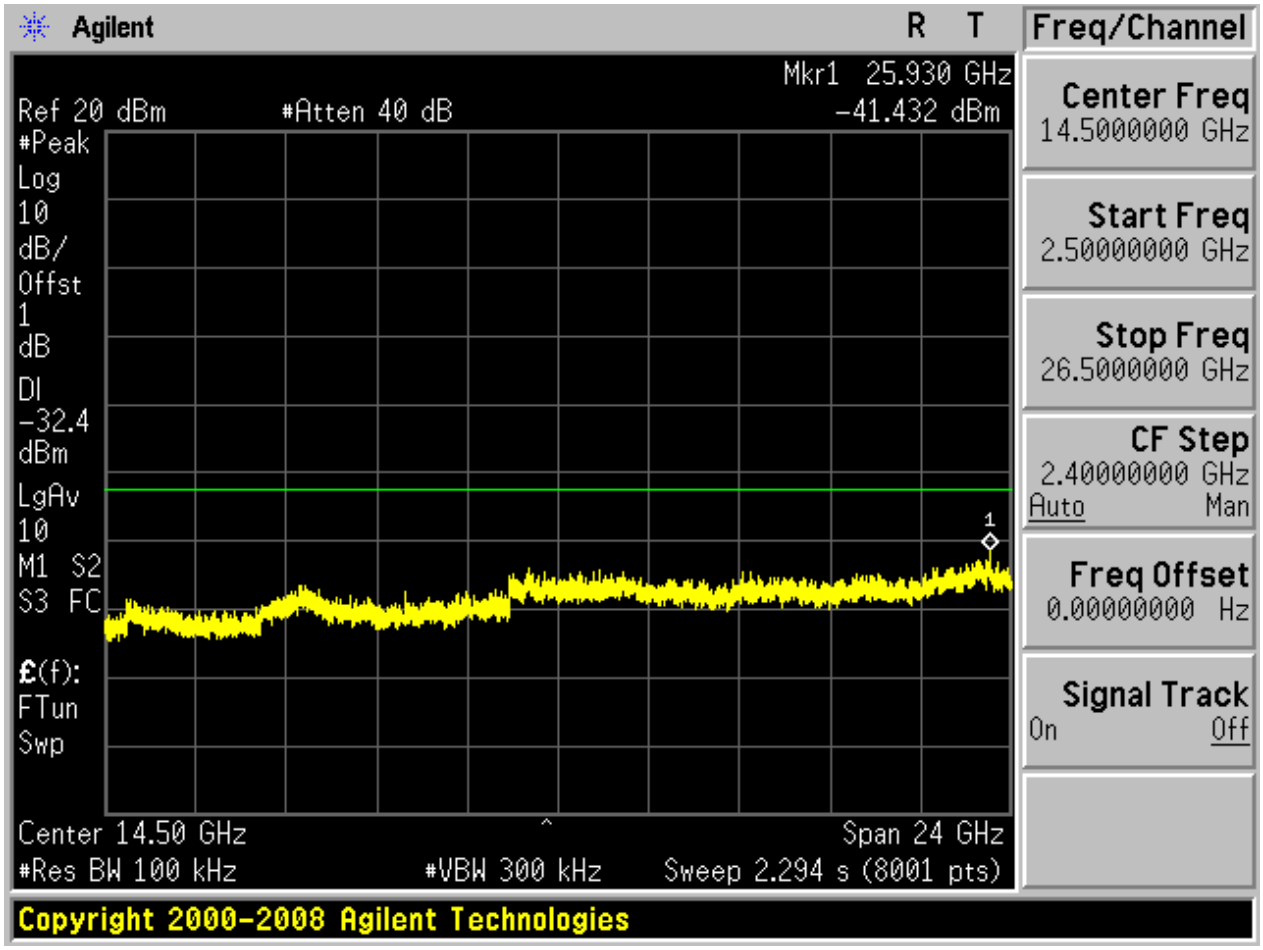

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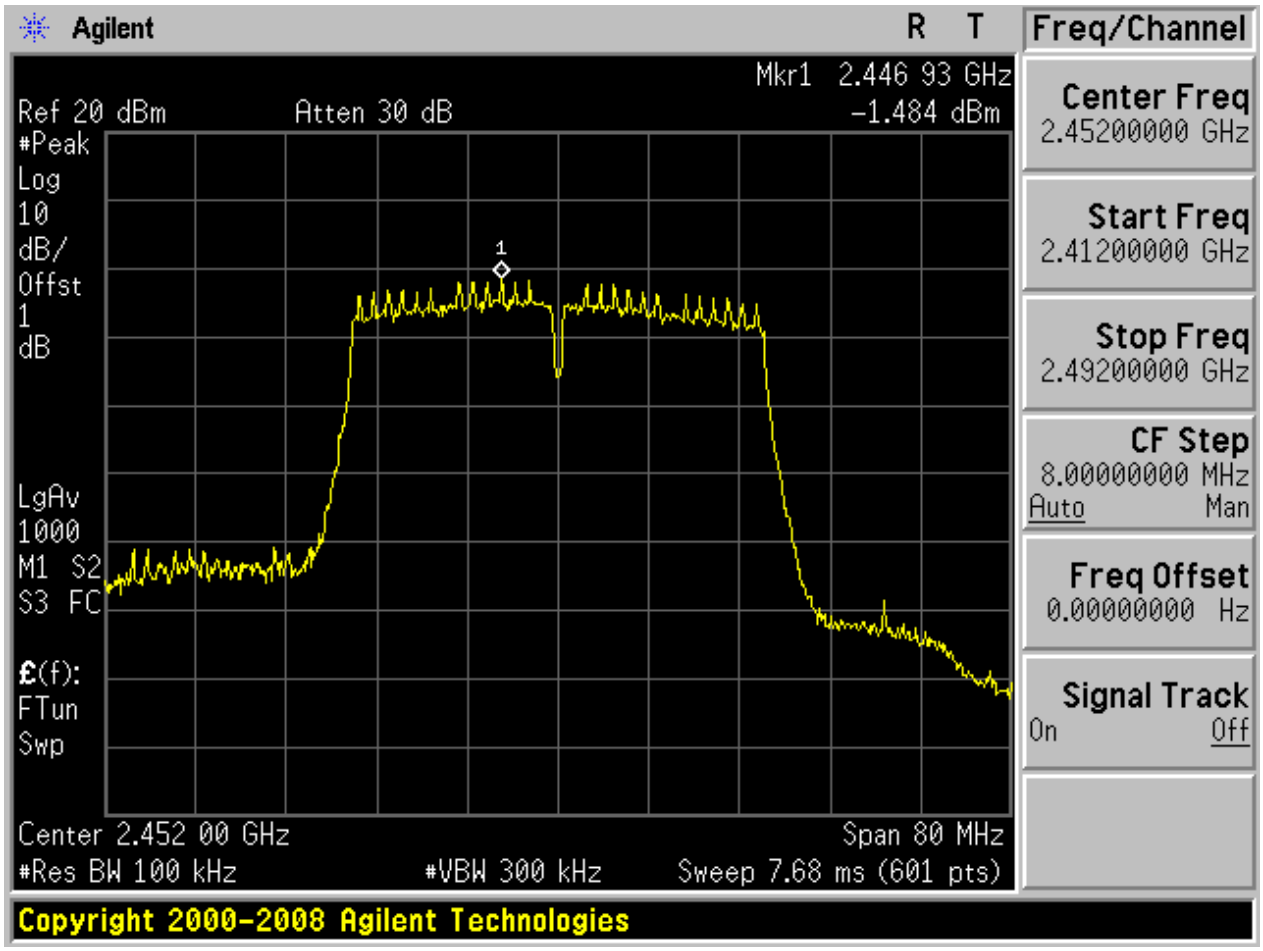

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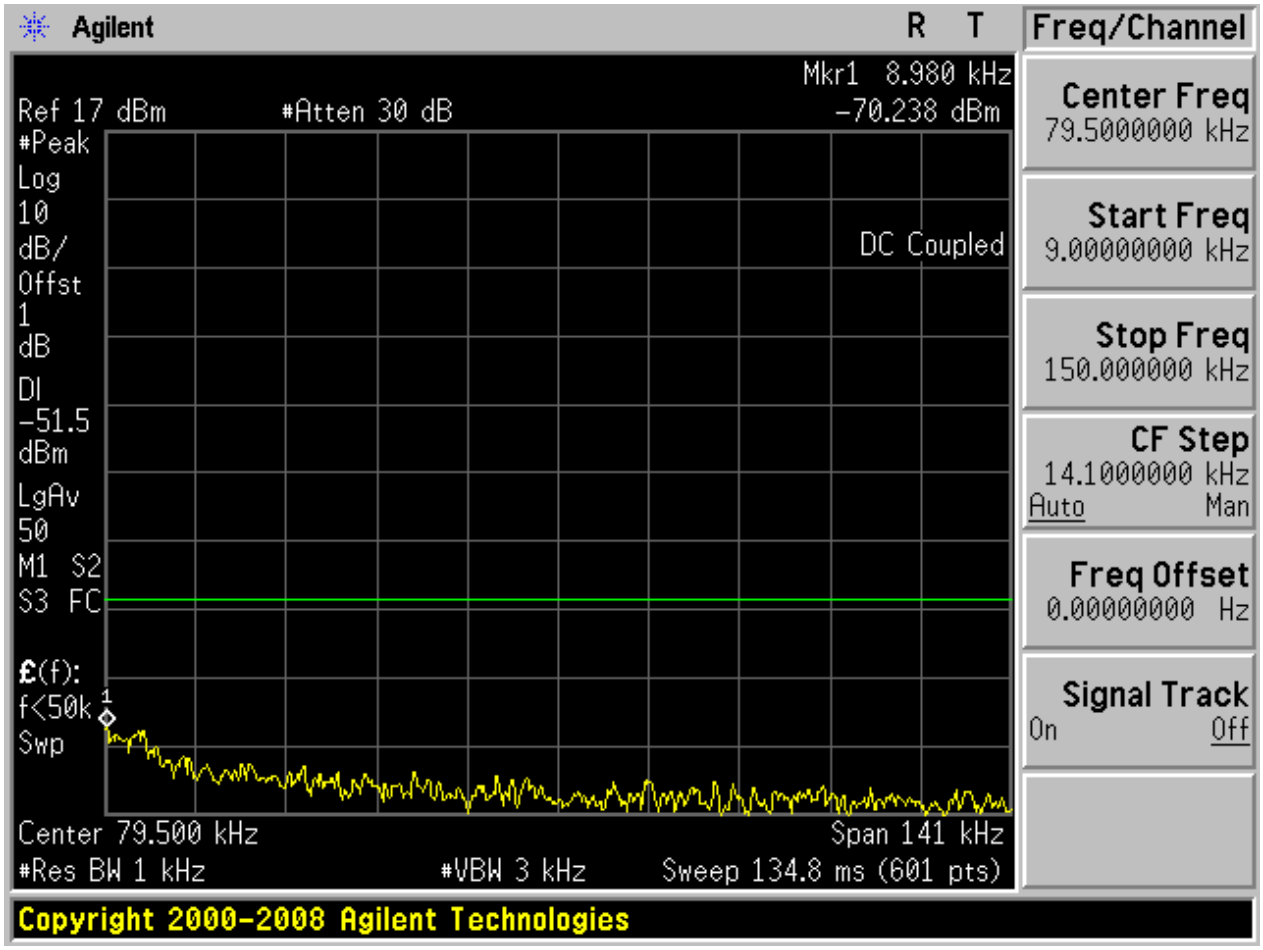

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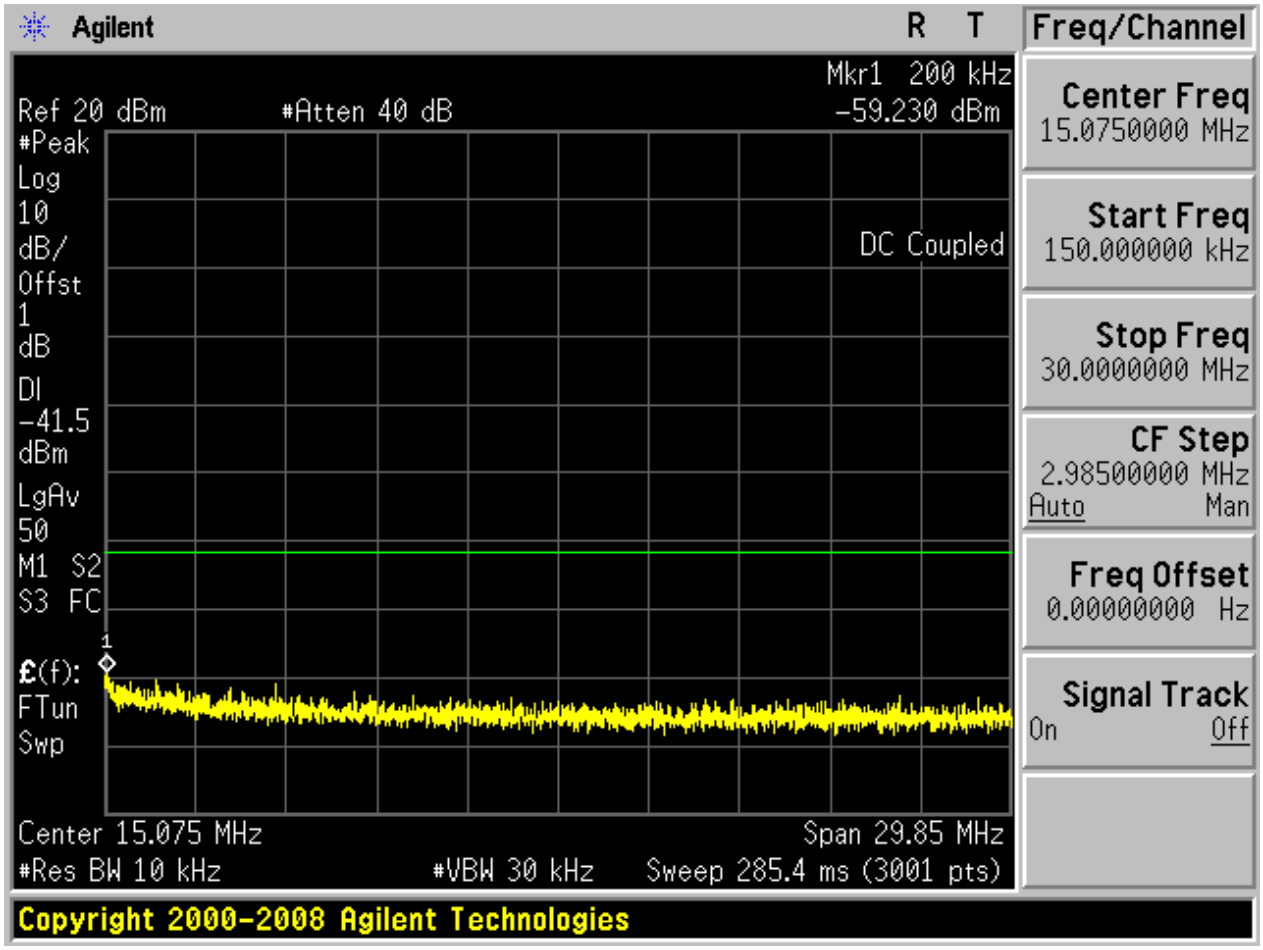

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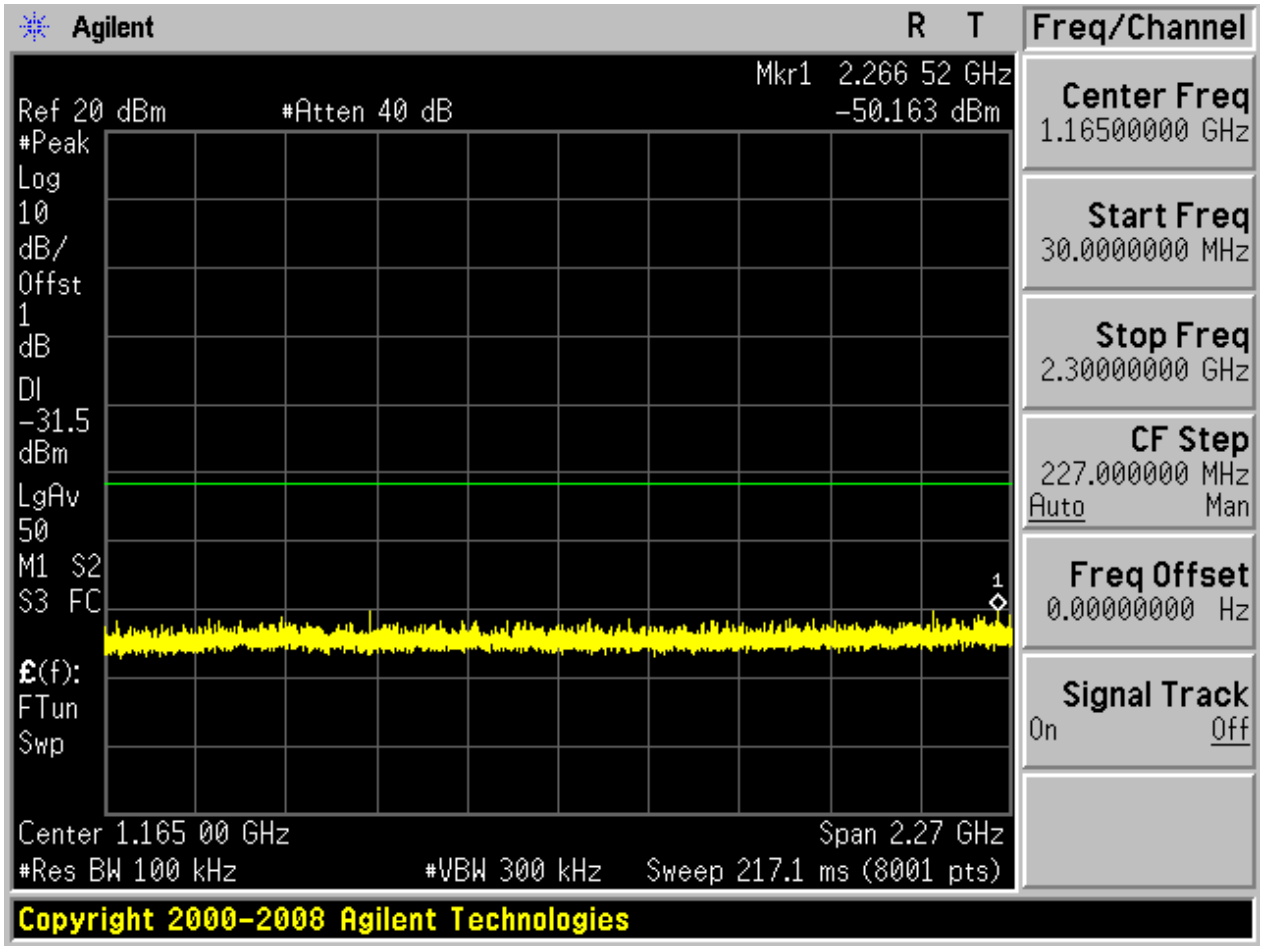

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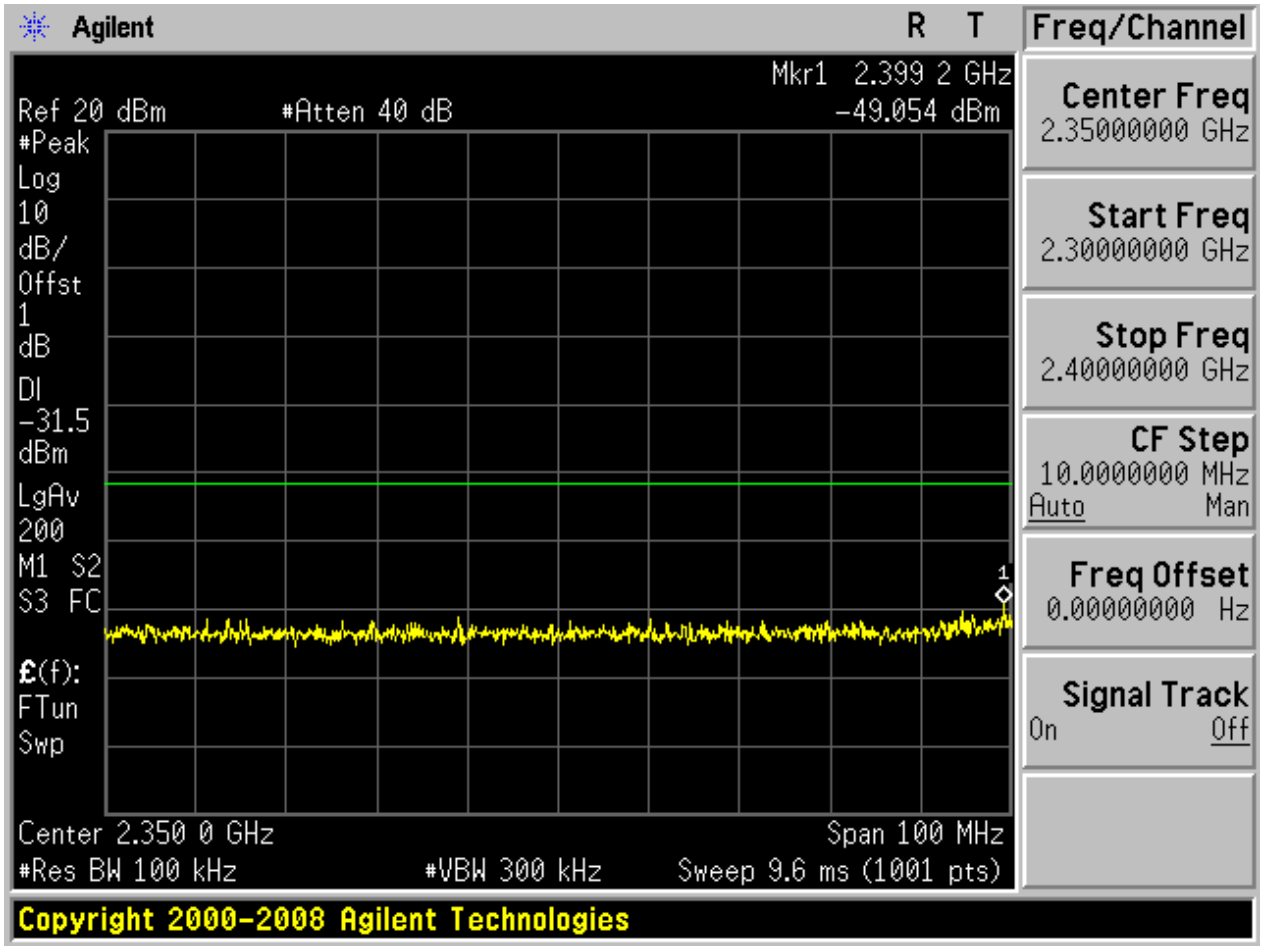

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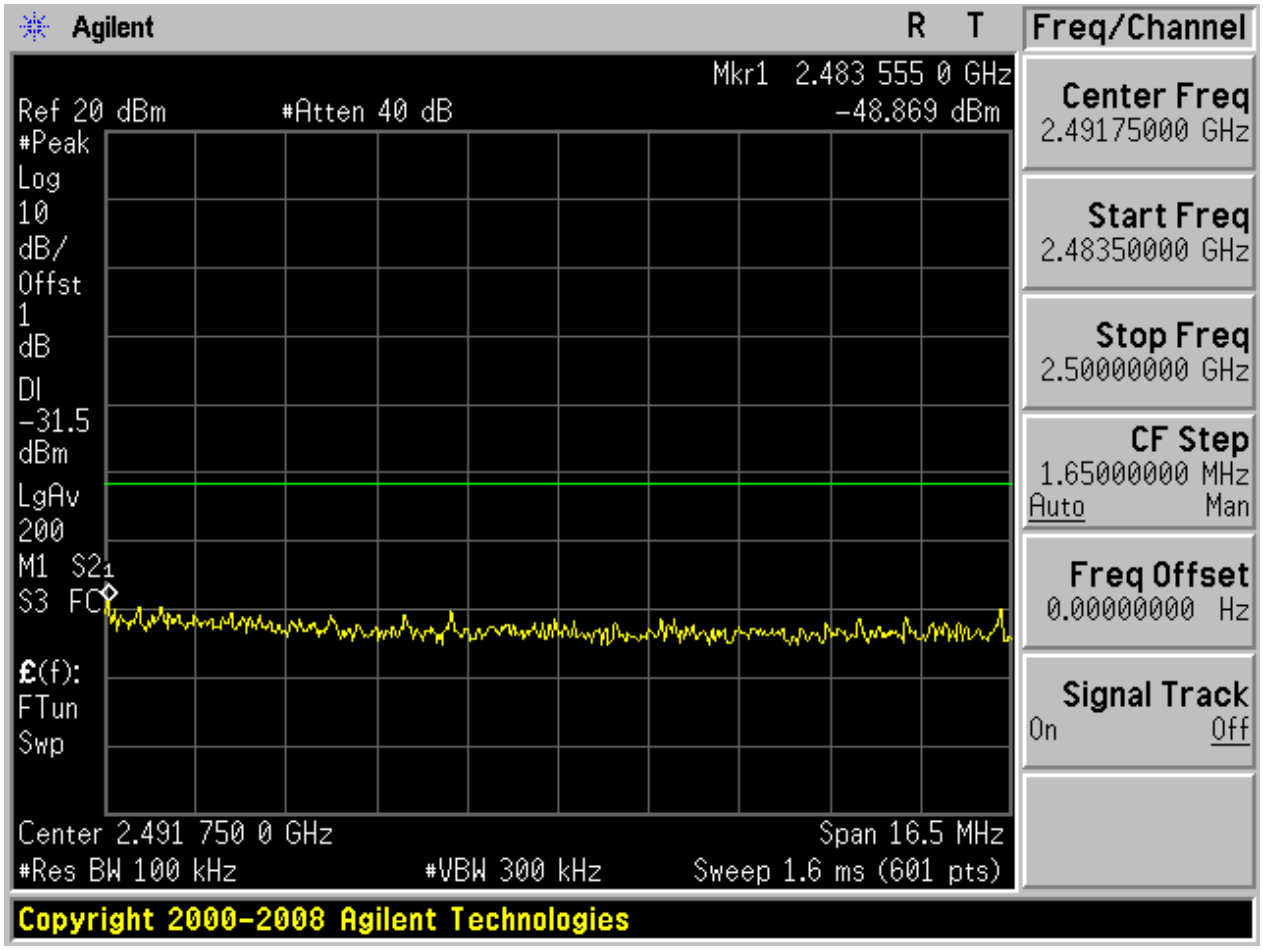

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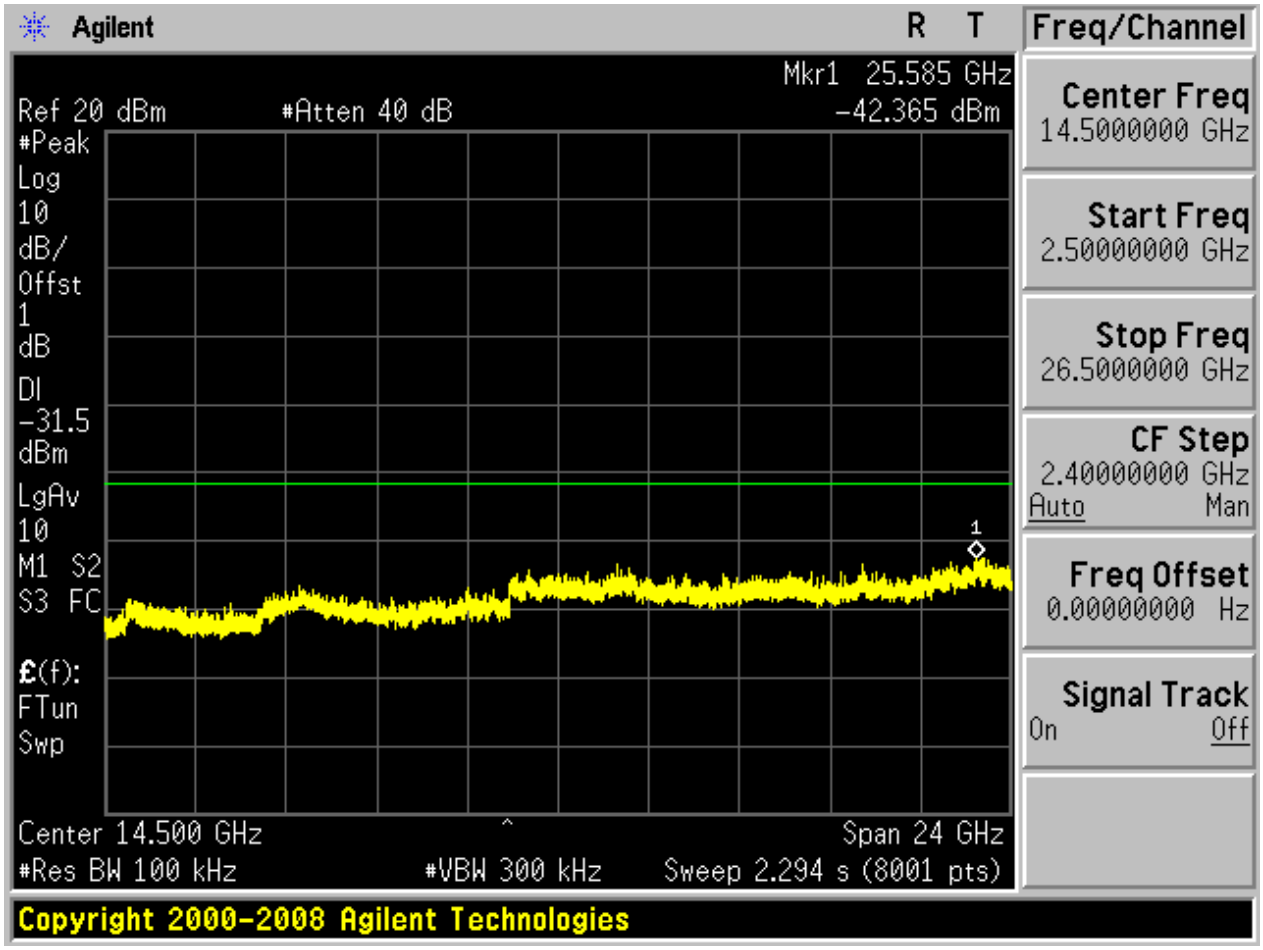

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2.30 11N40_H@Ant 2

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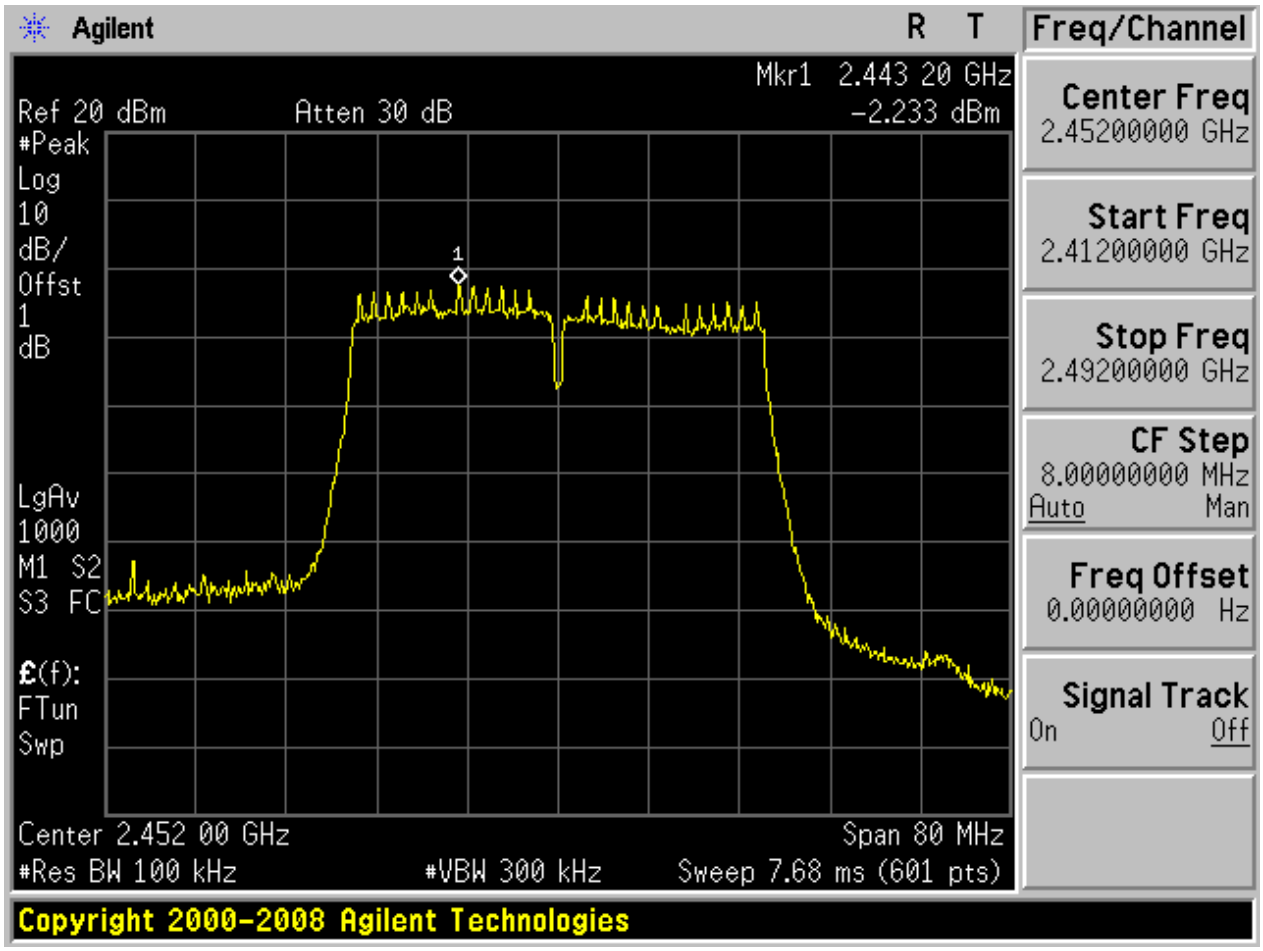

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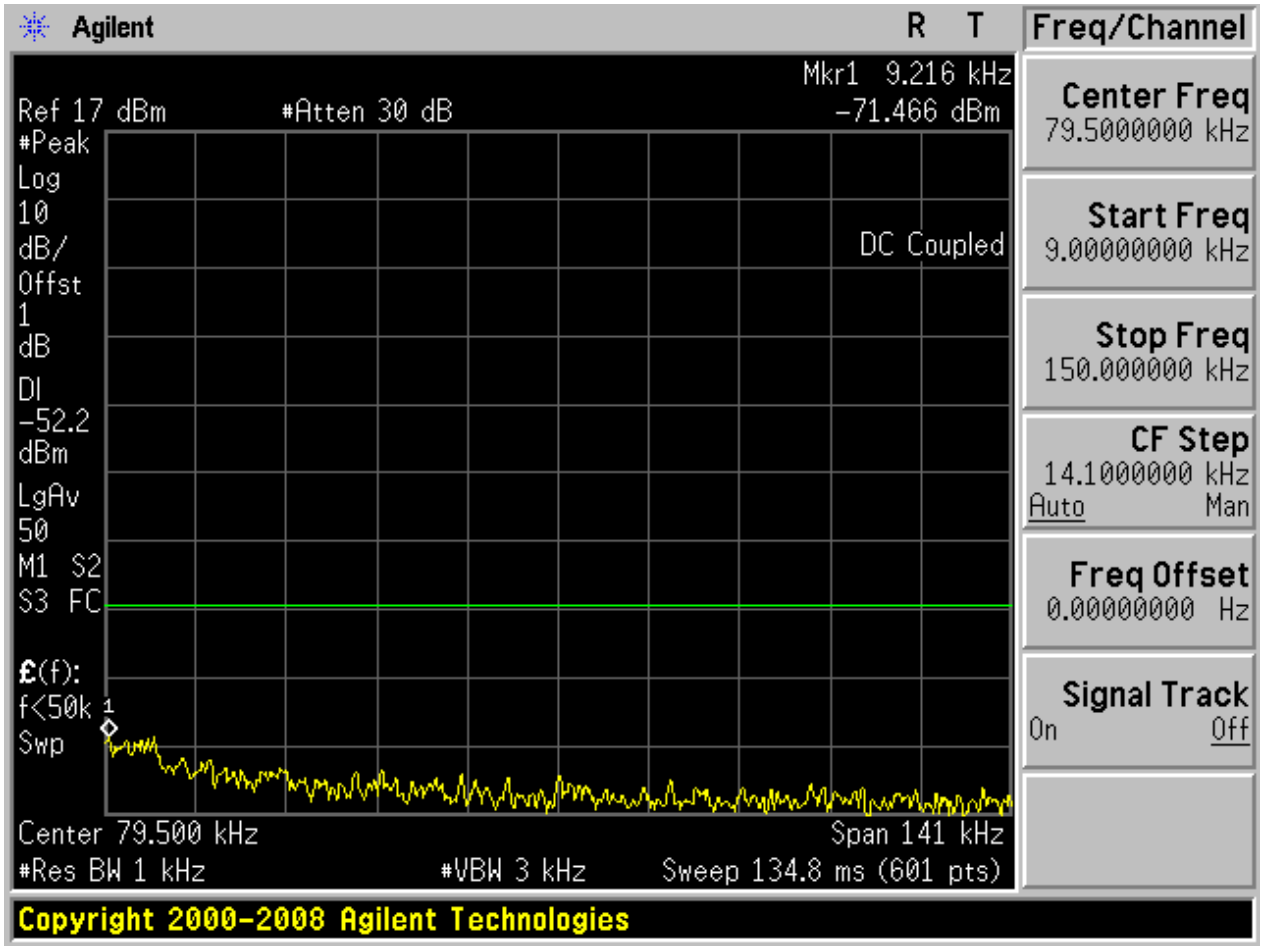

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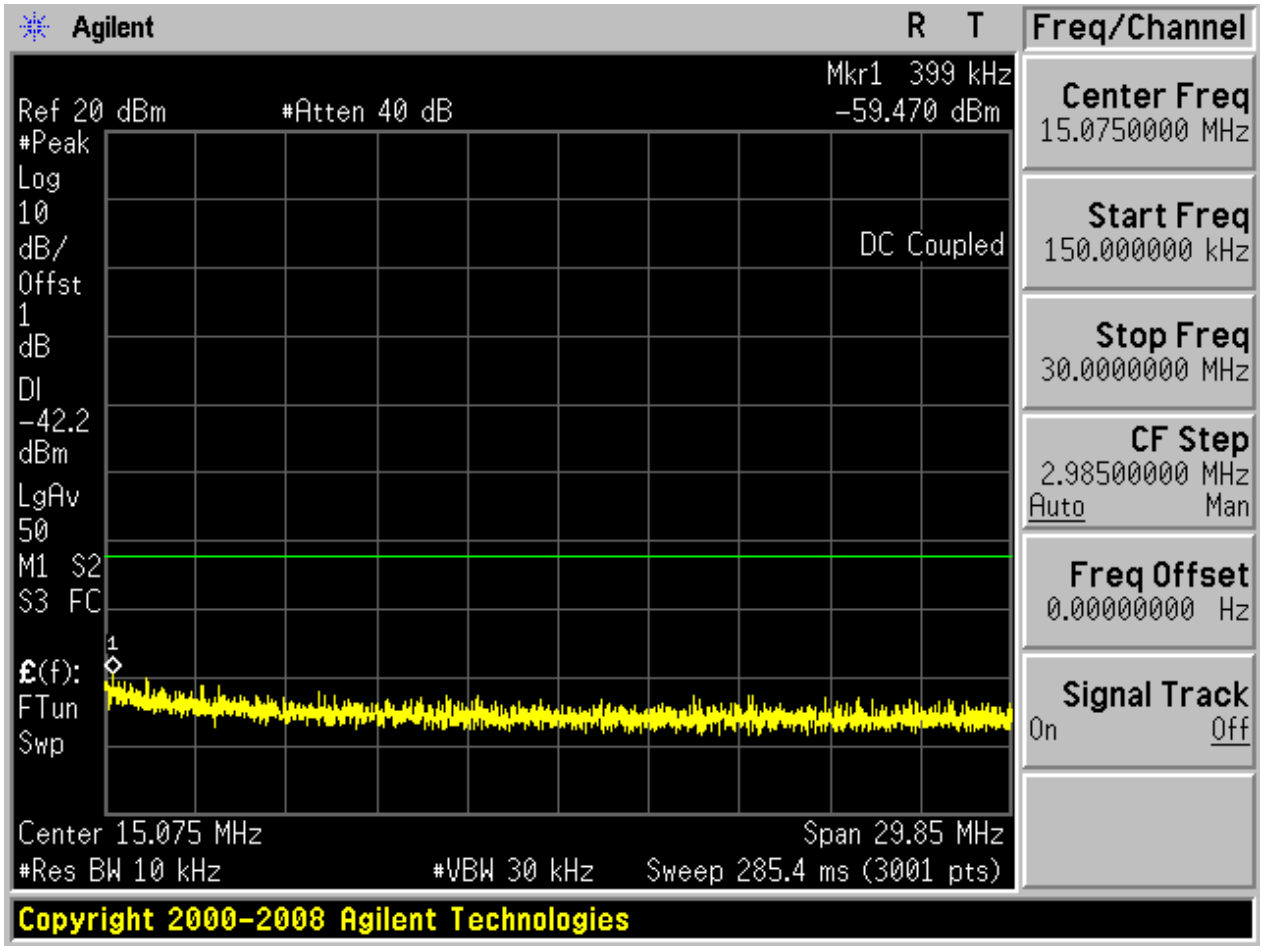

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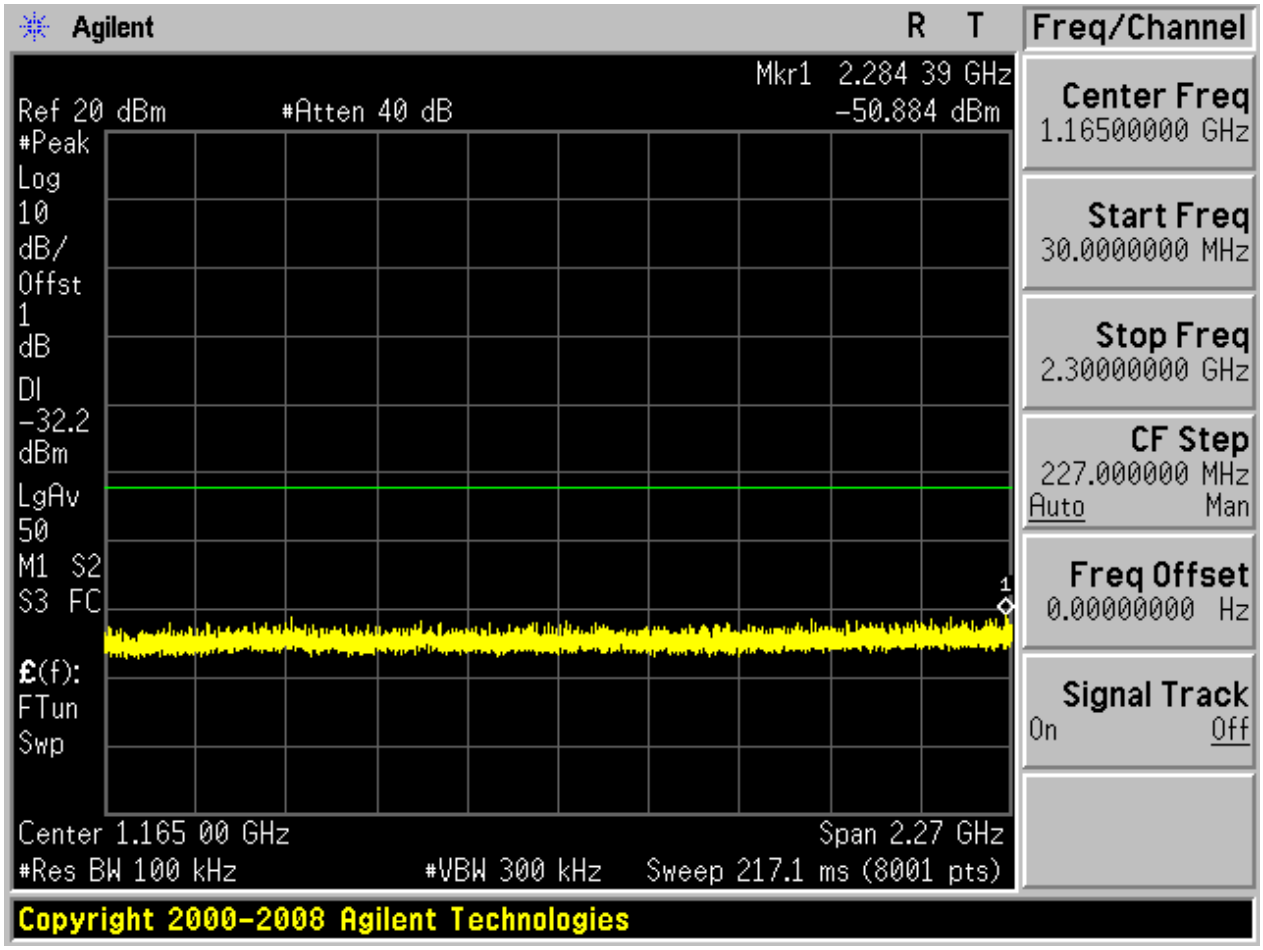

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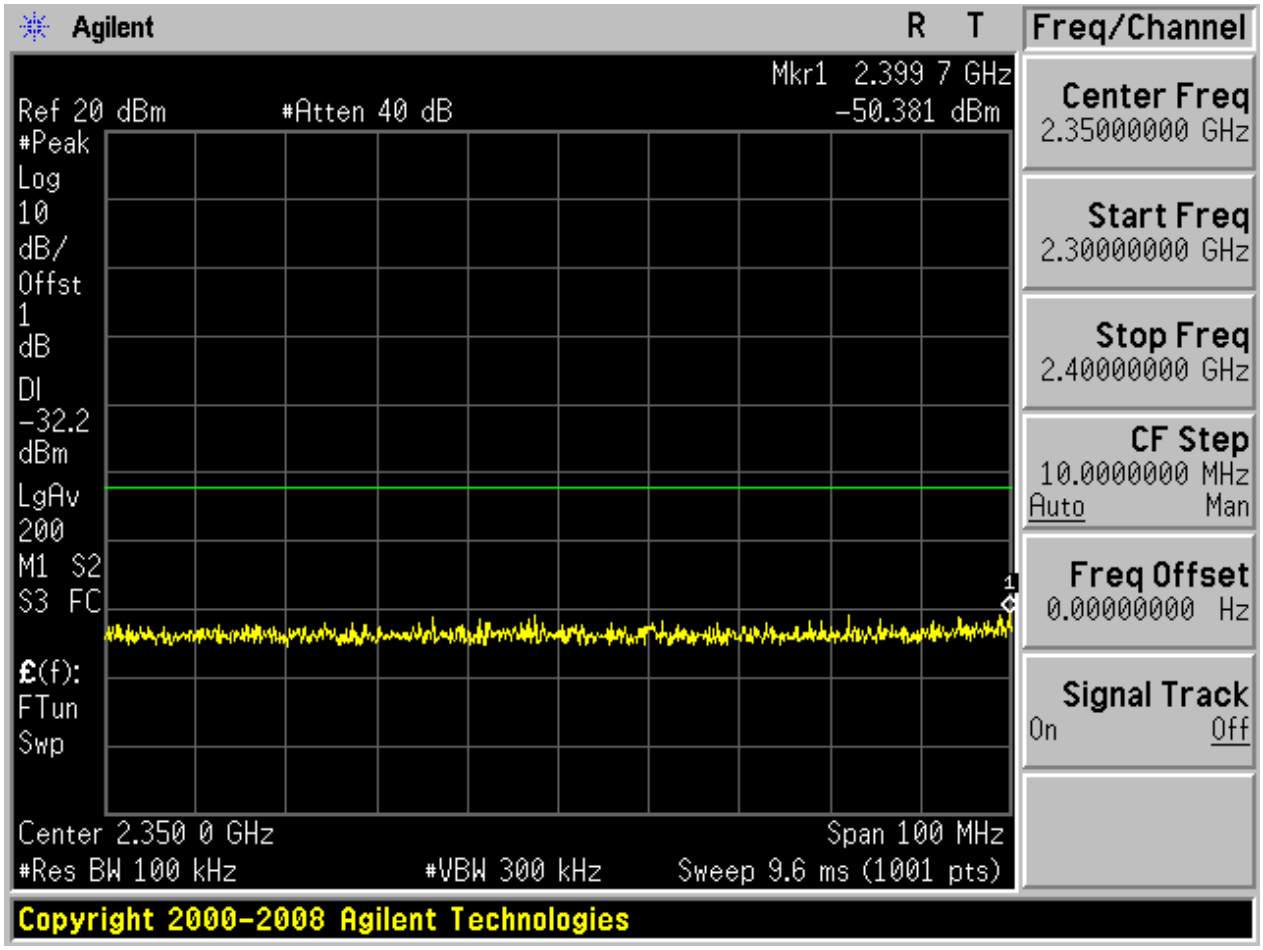

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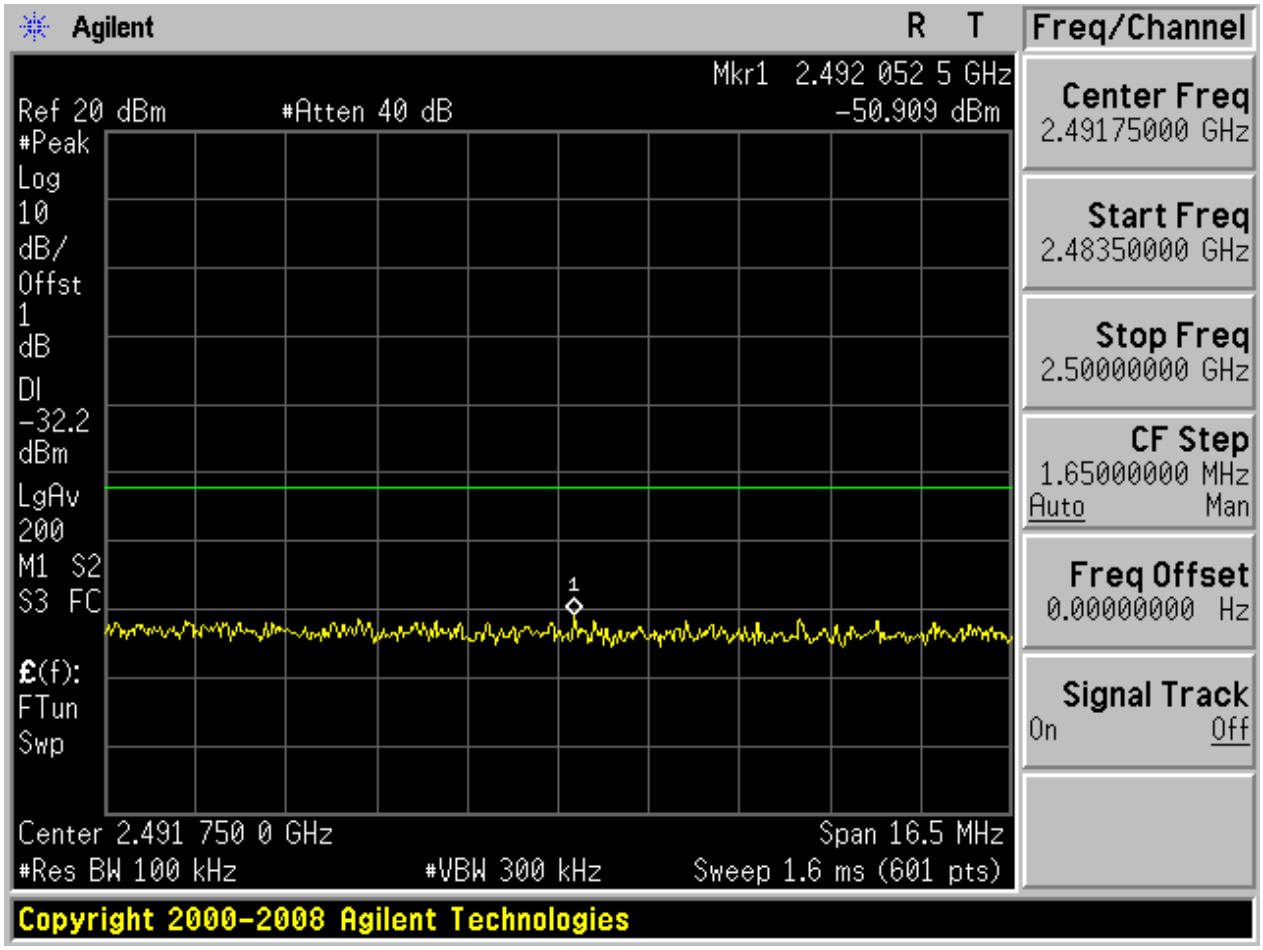

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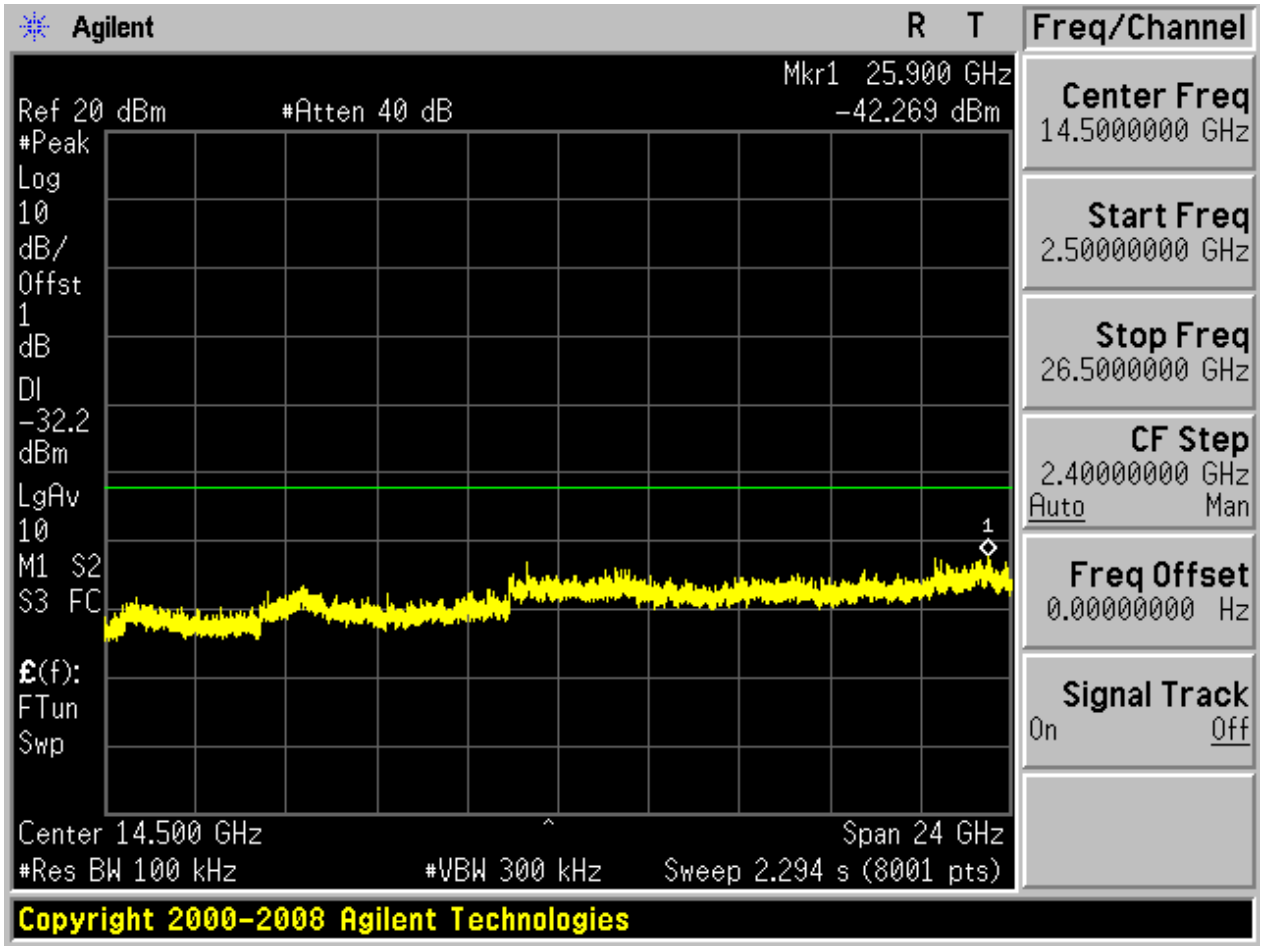

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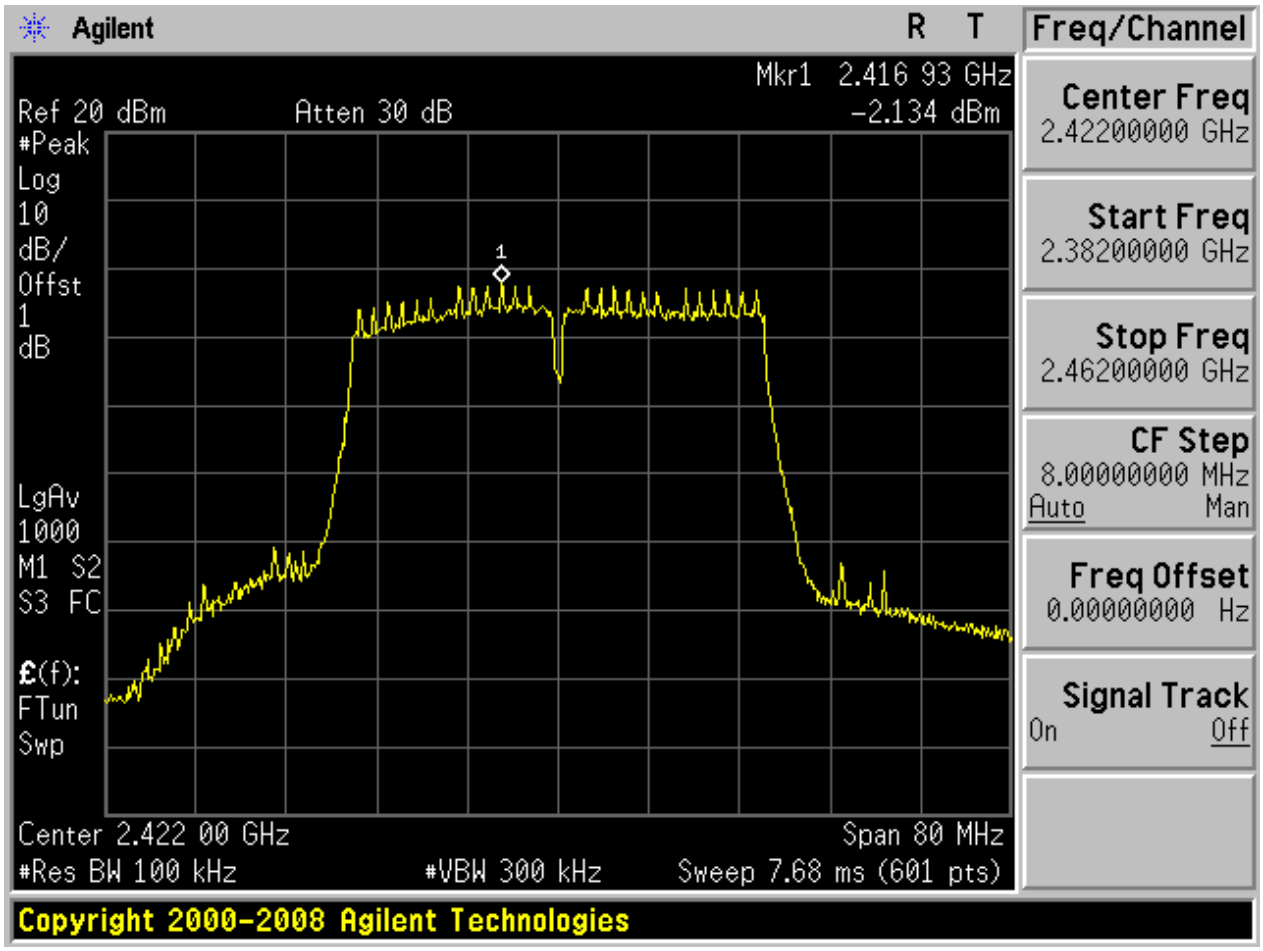

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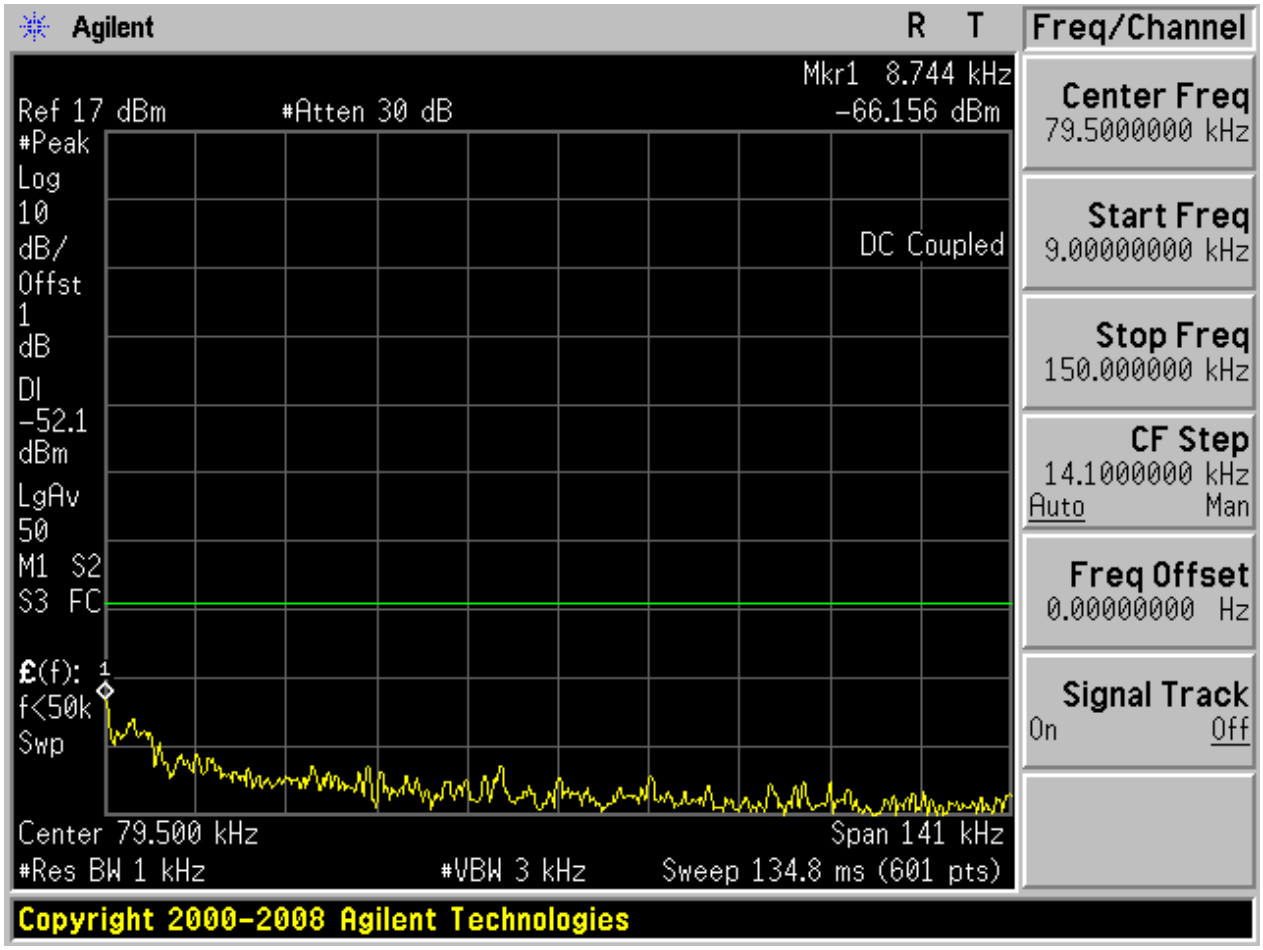

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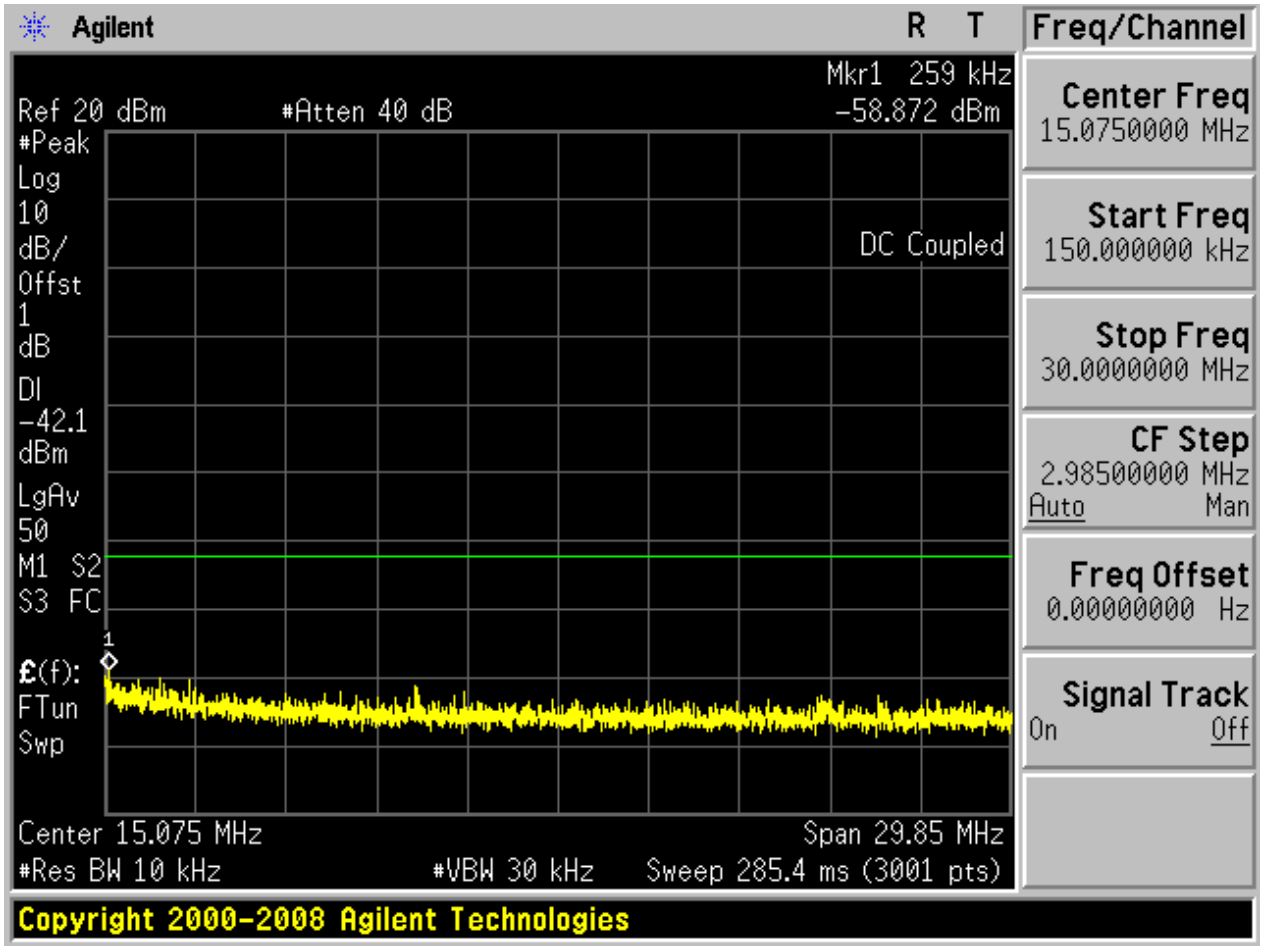

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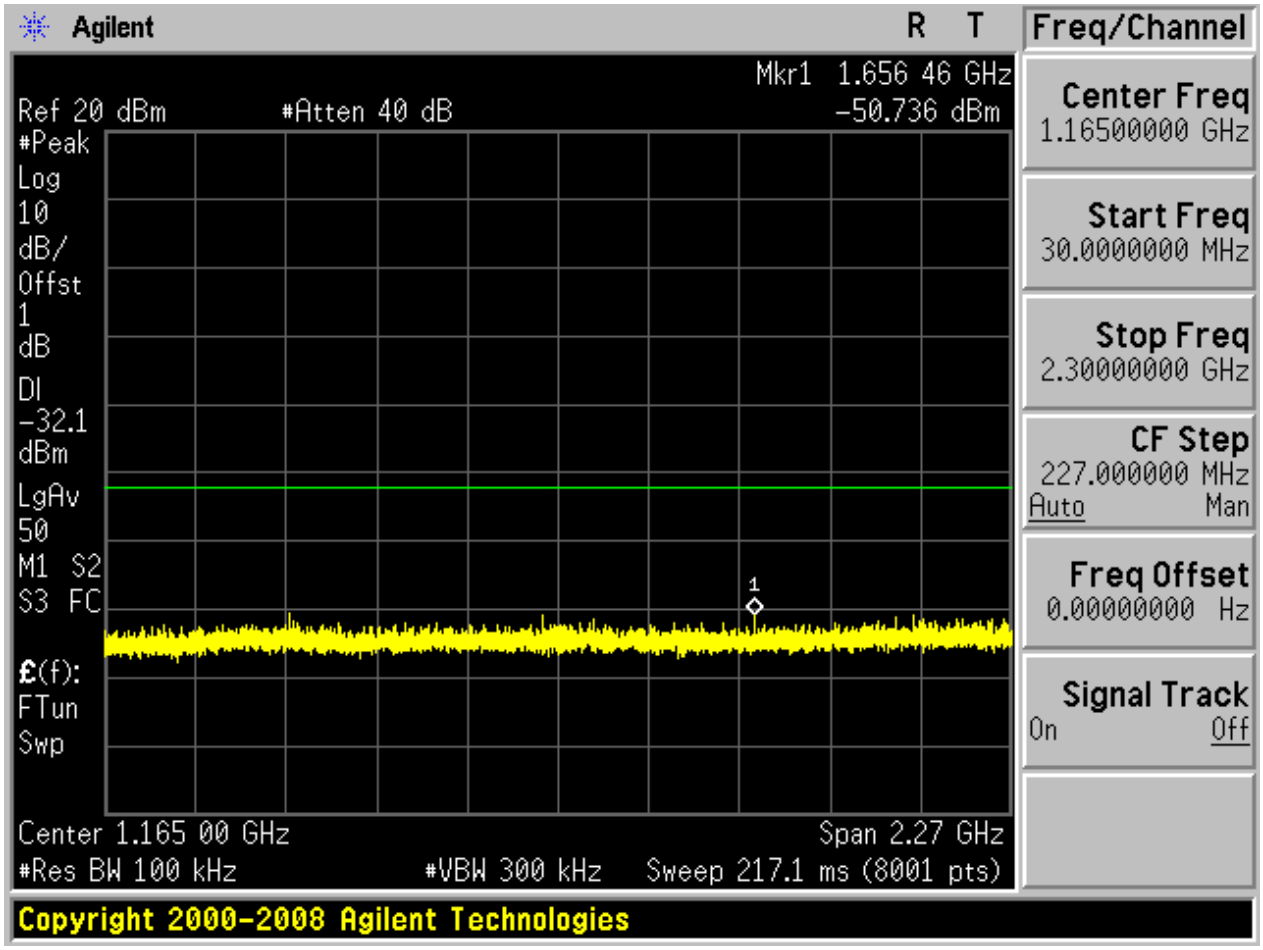

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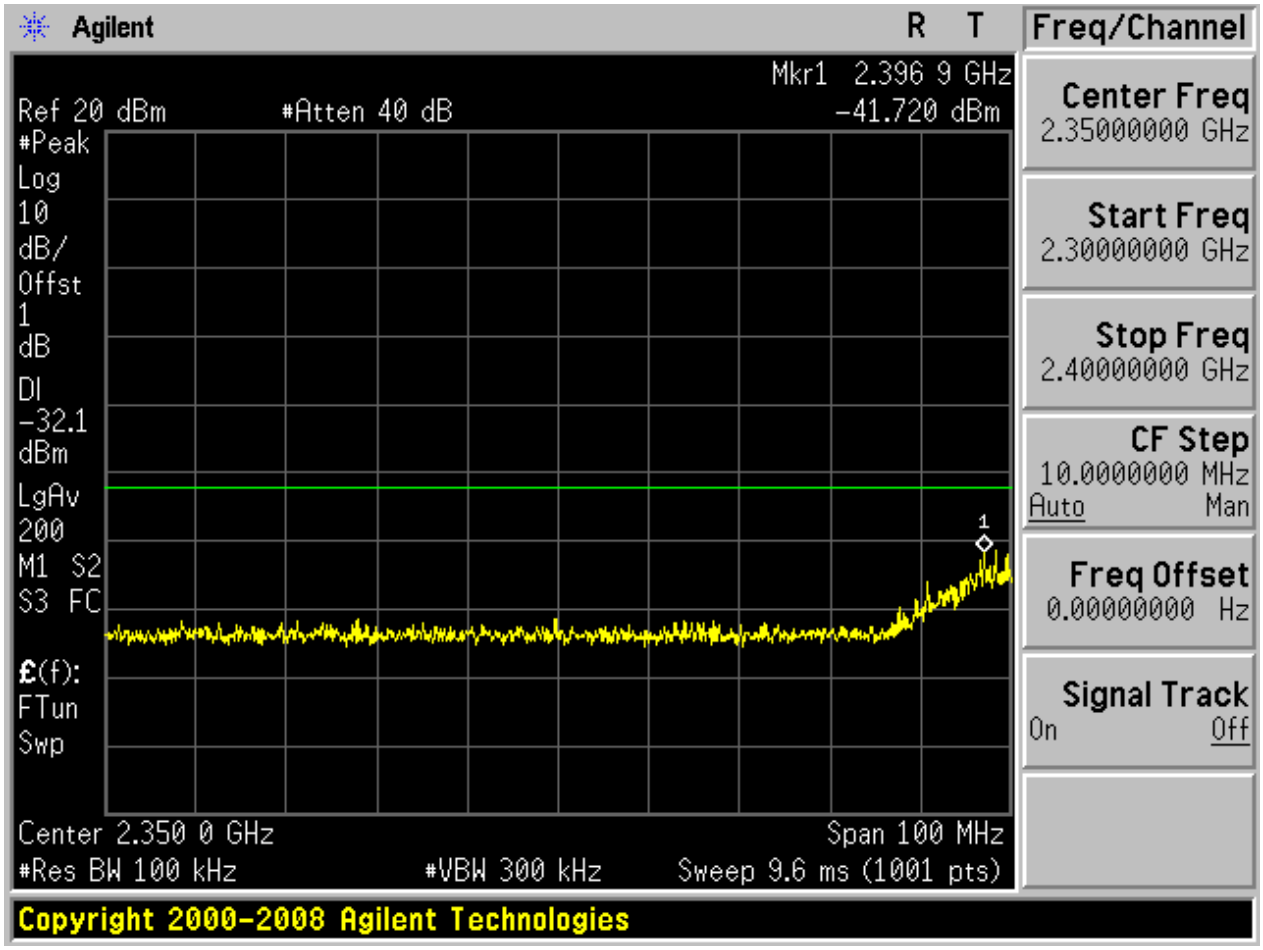

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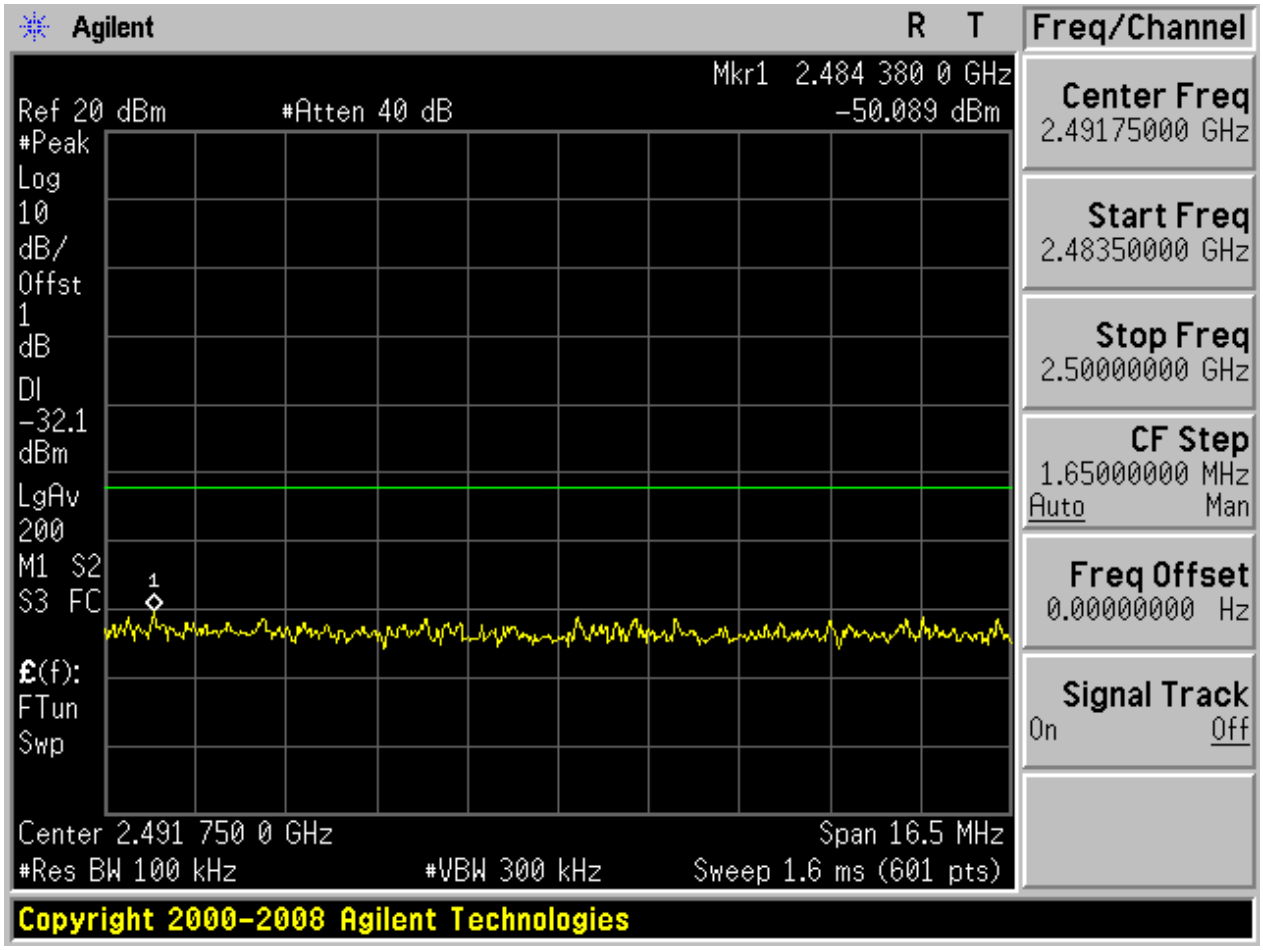

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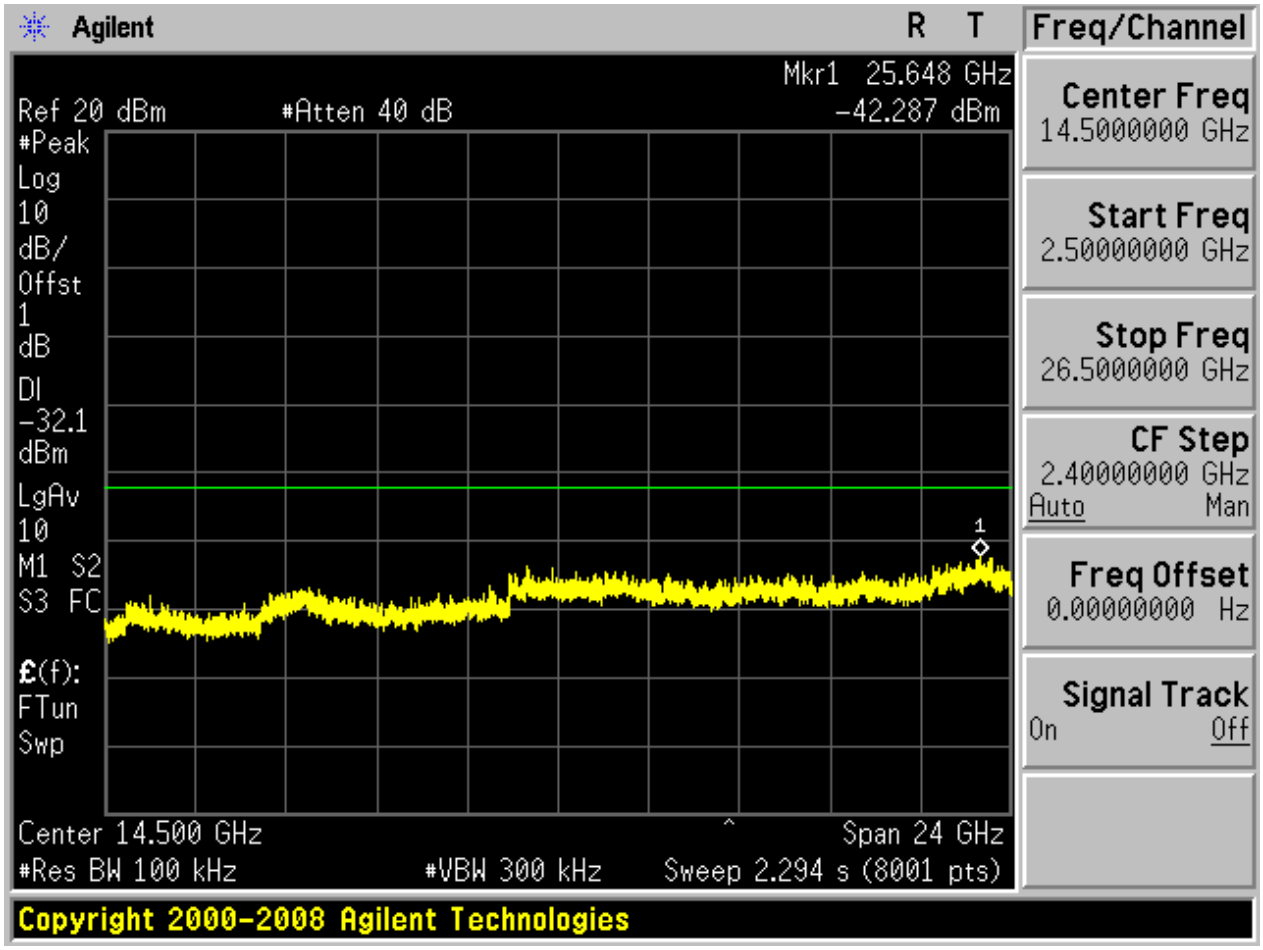

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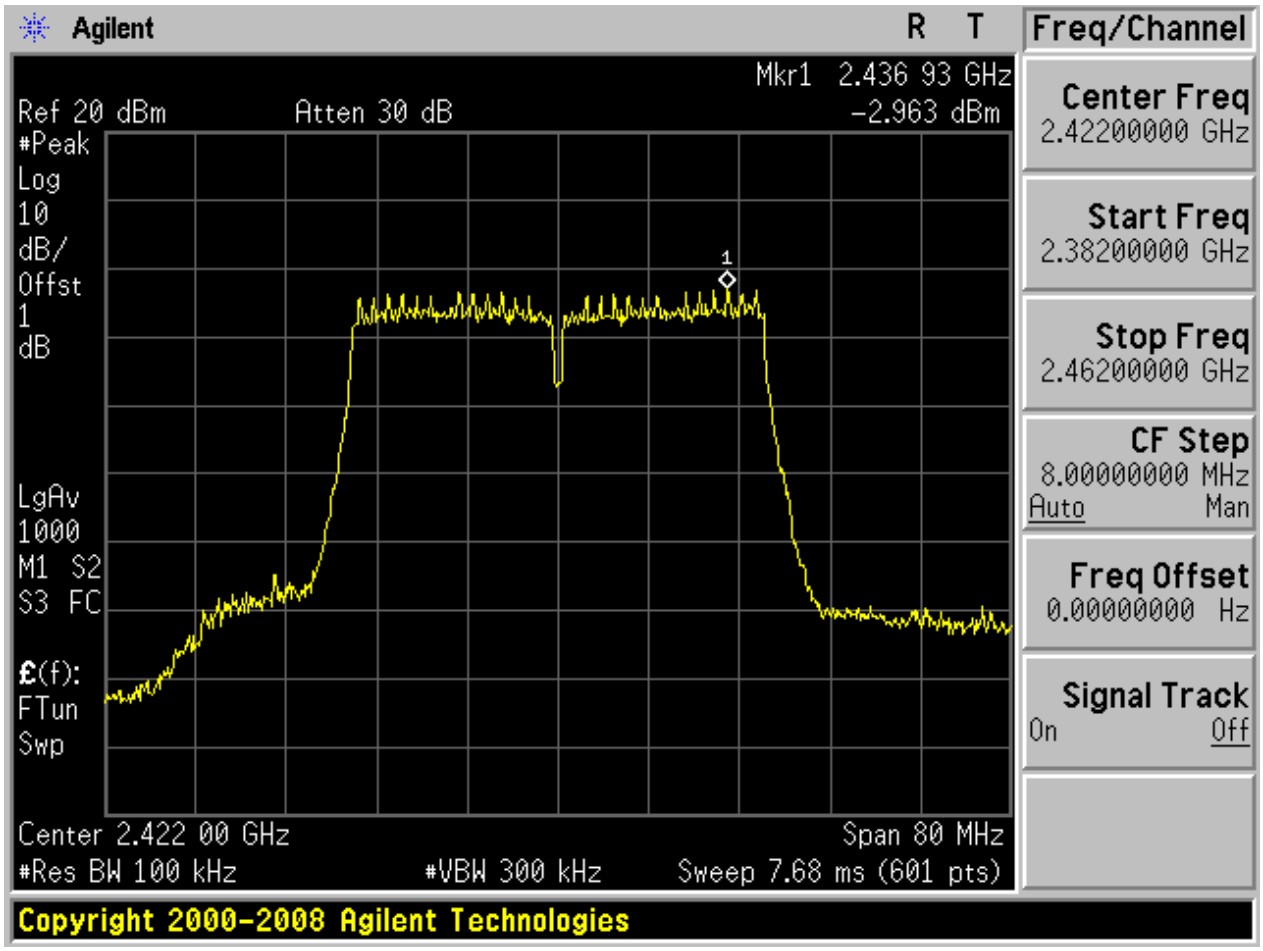

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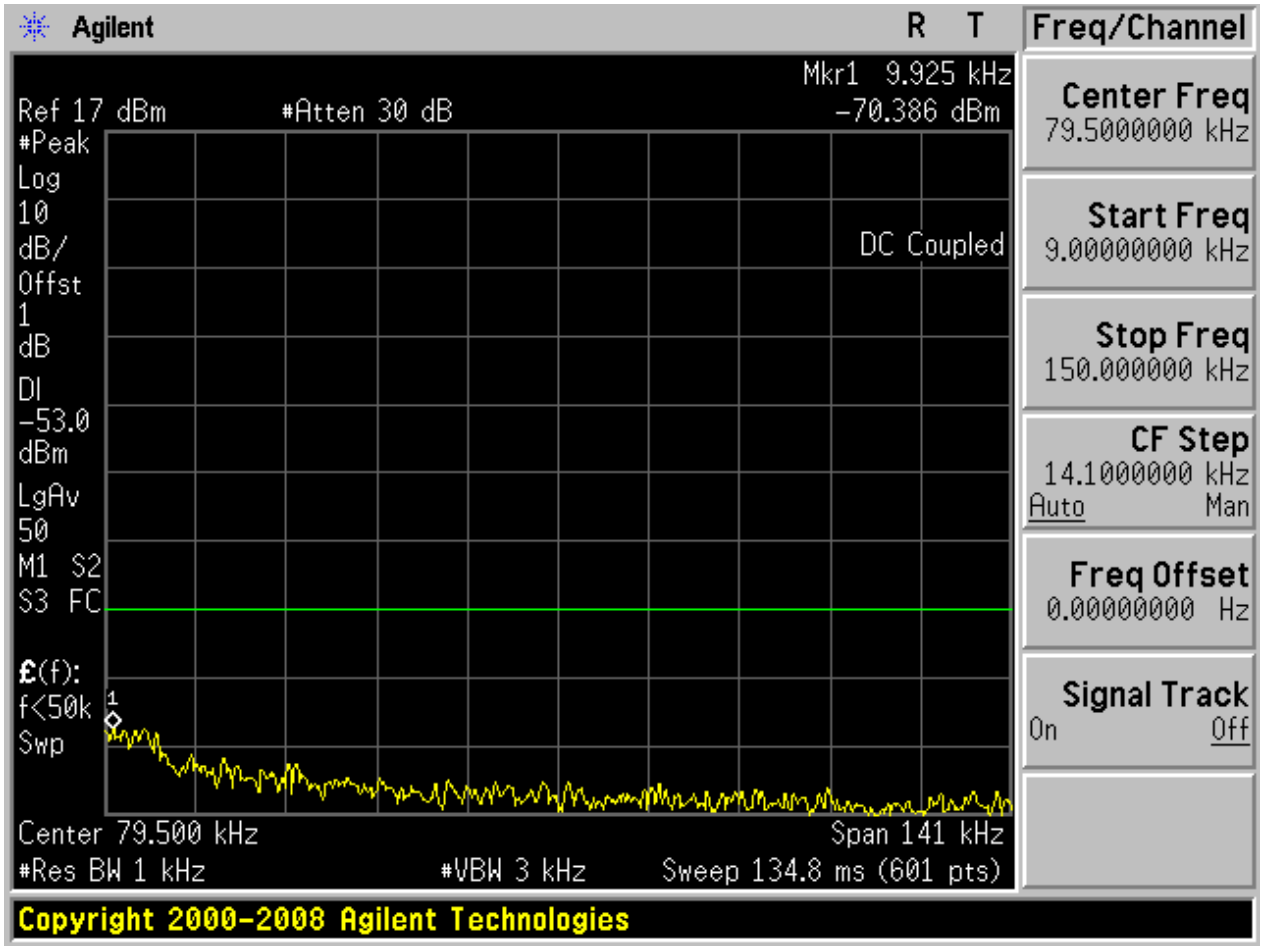

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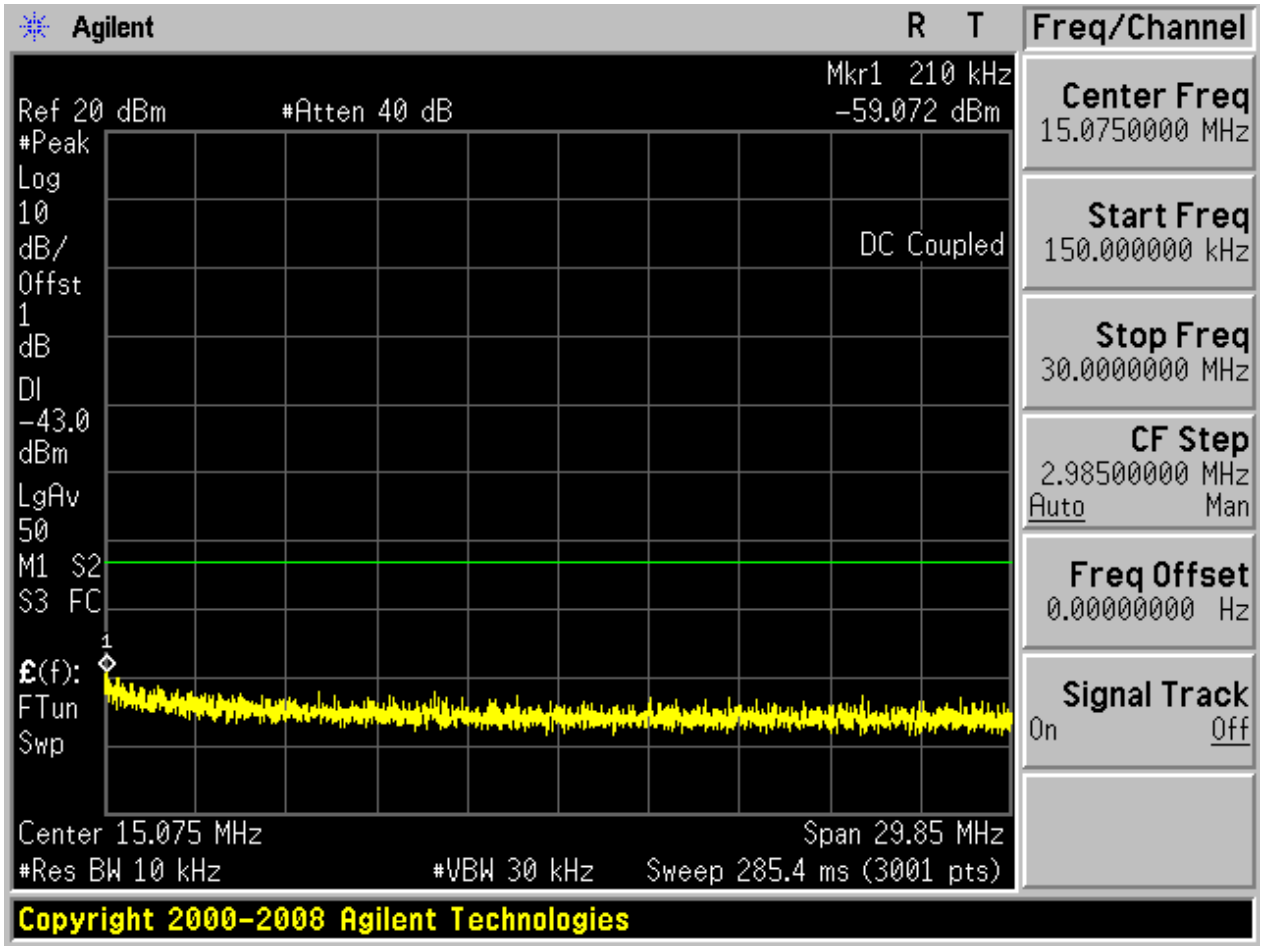

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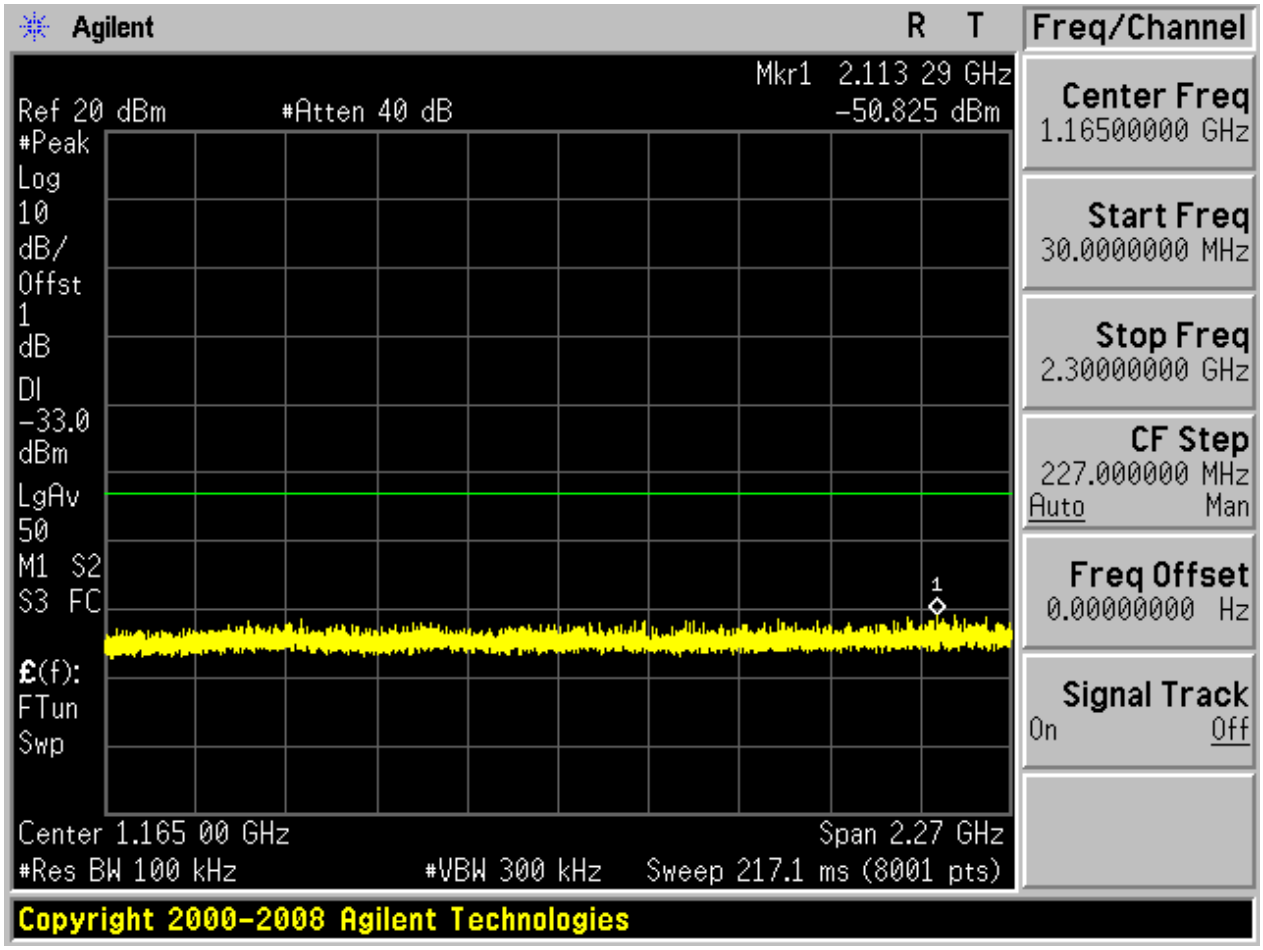

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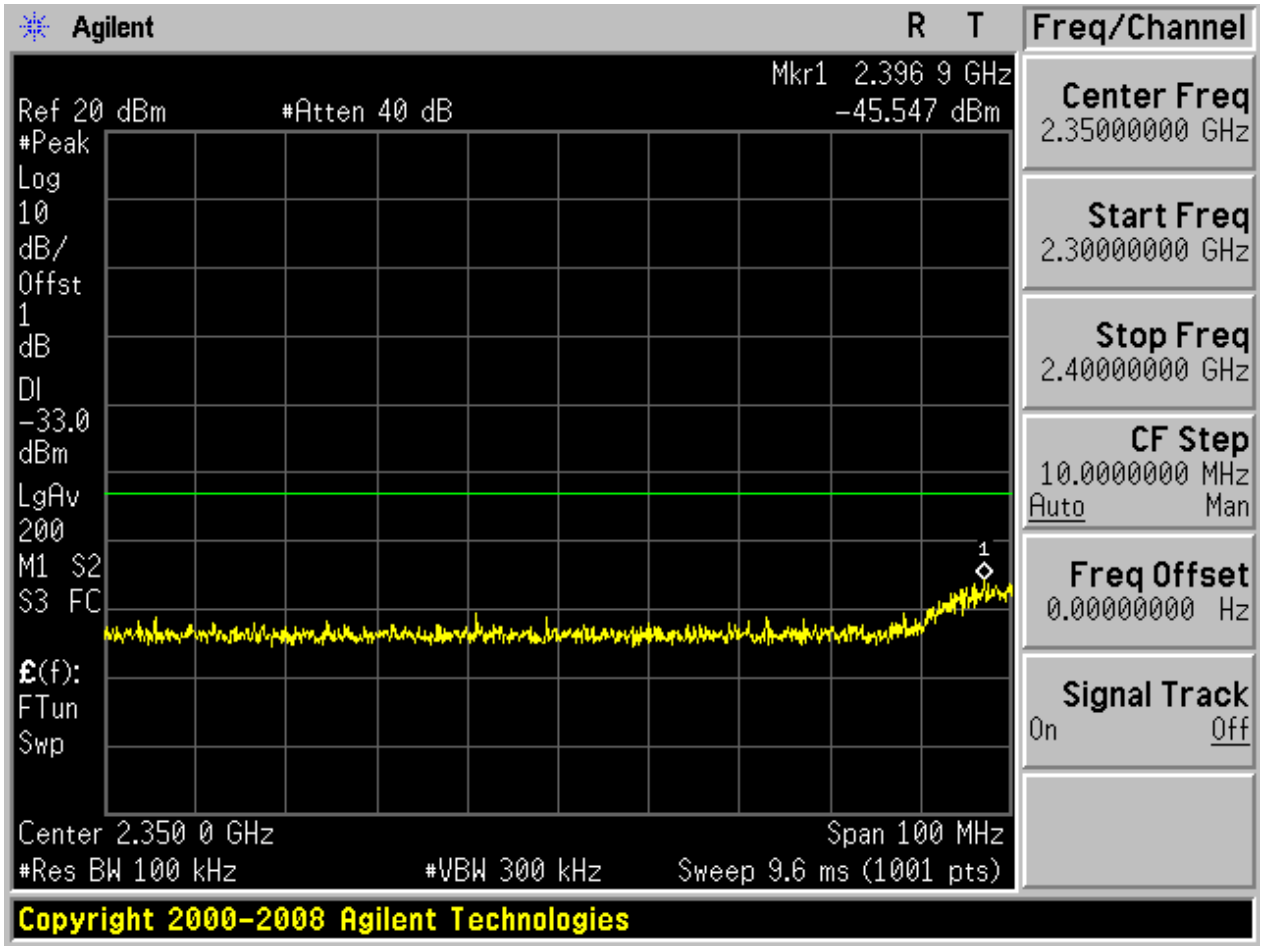

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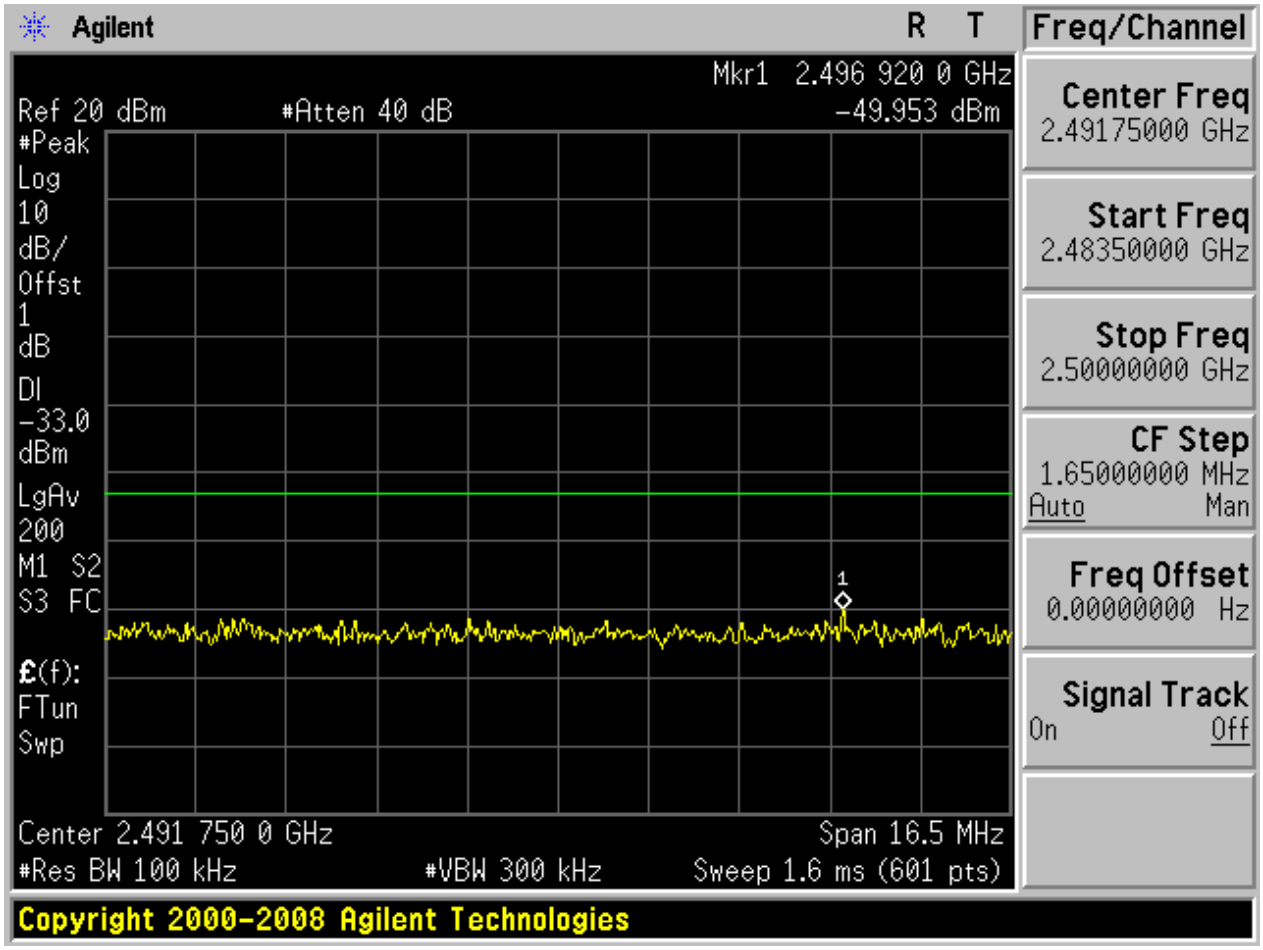

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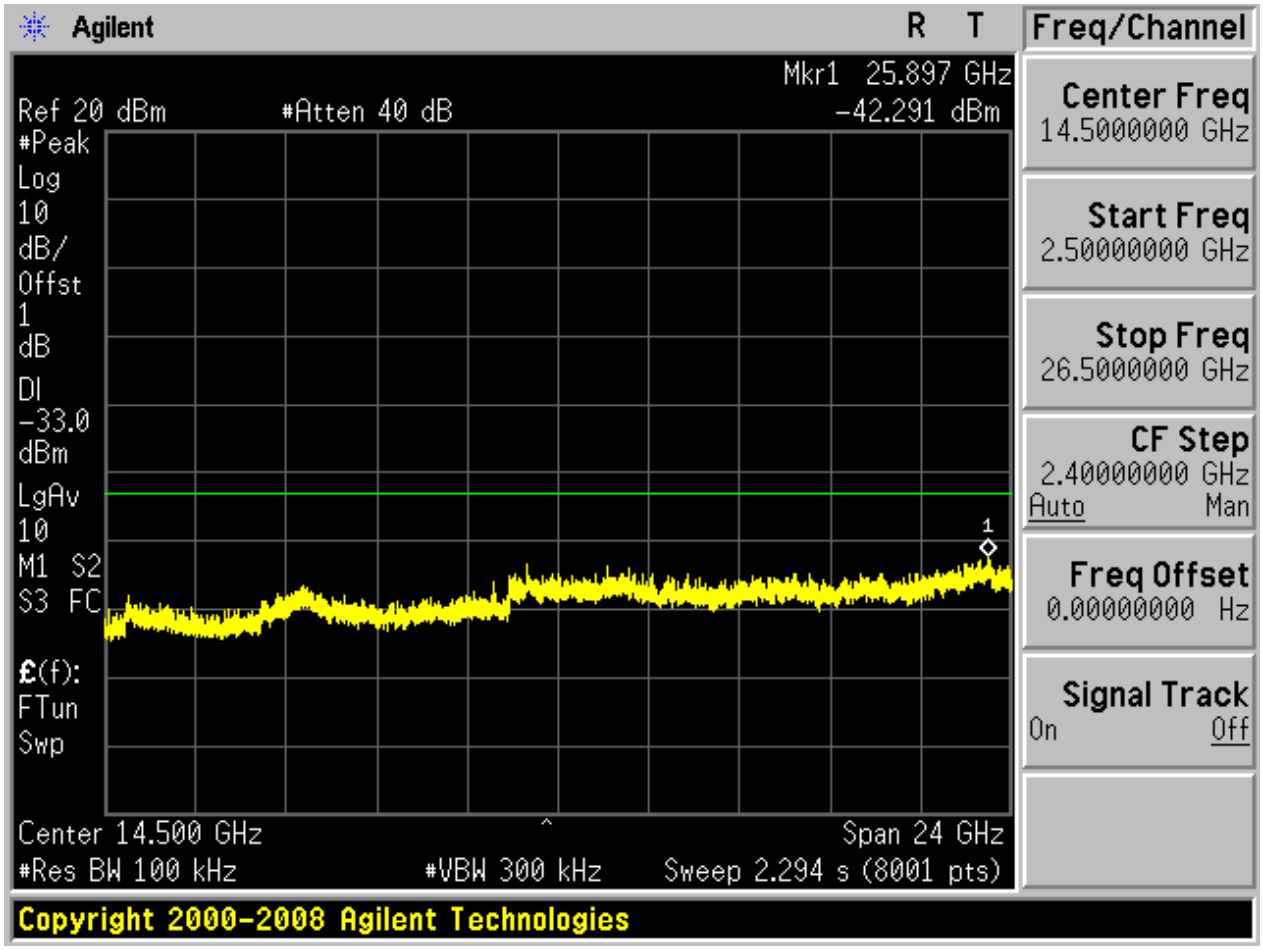

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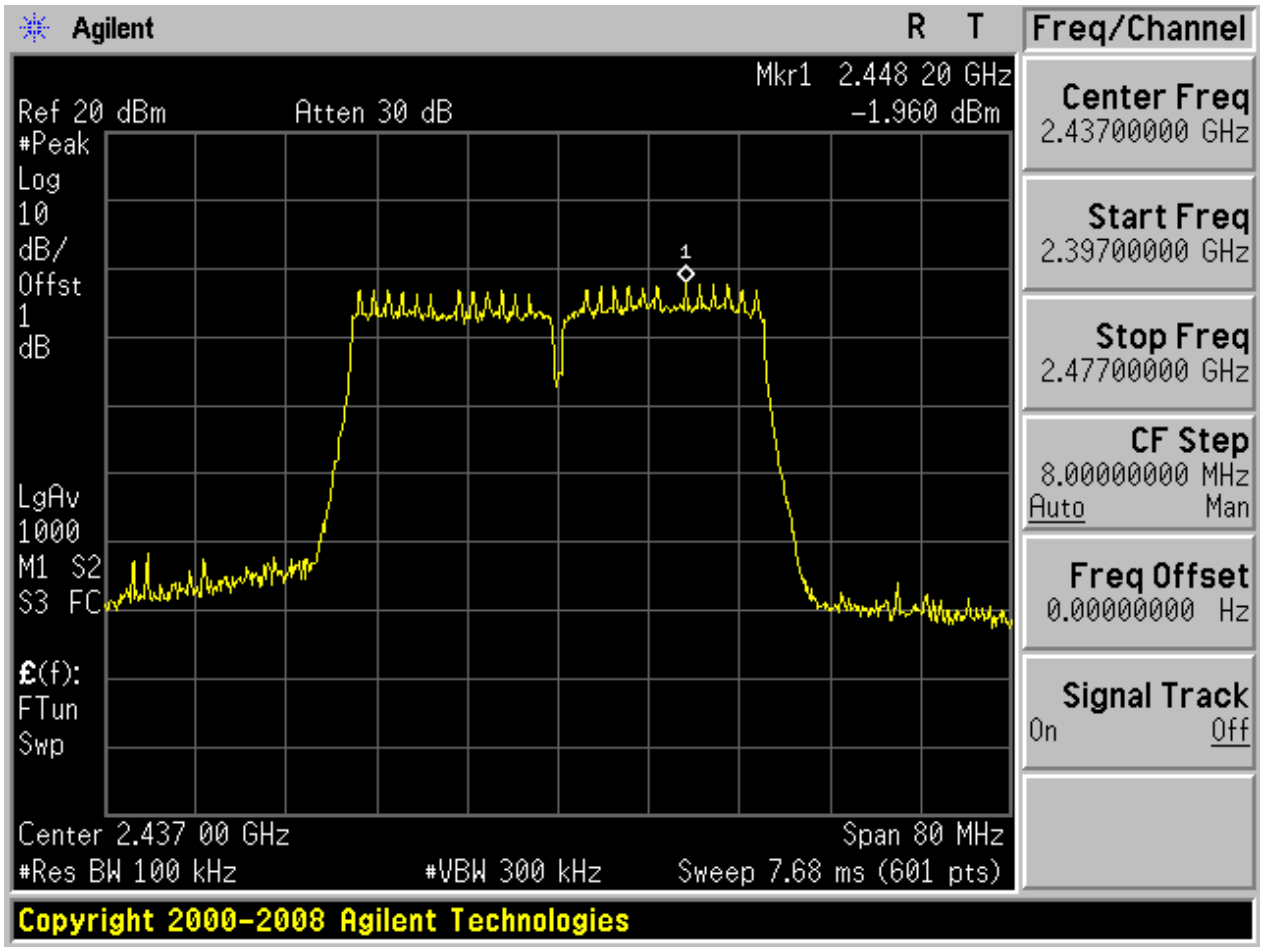

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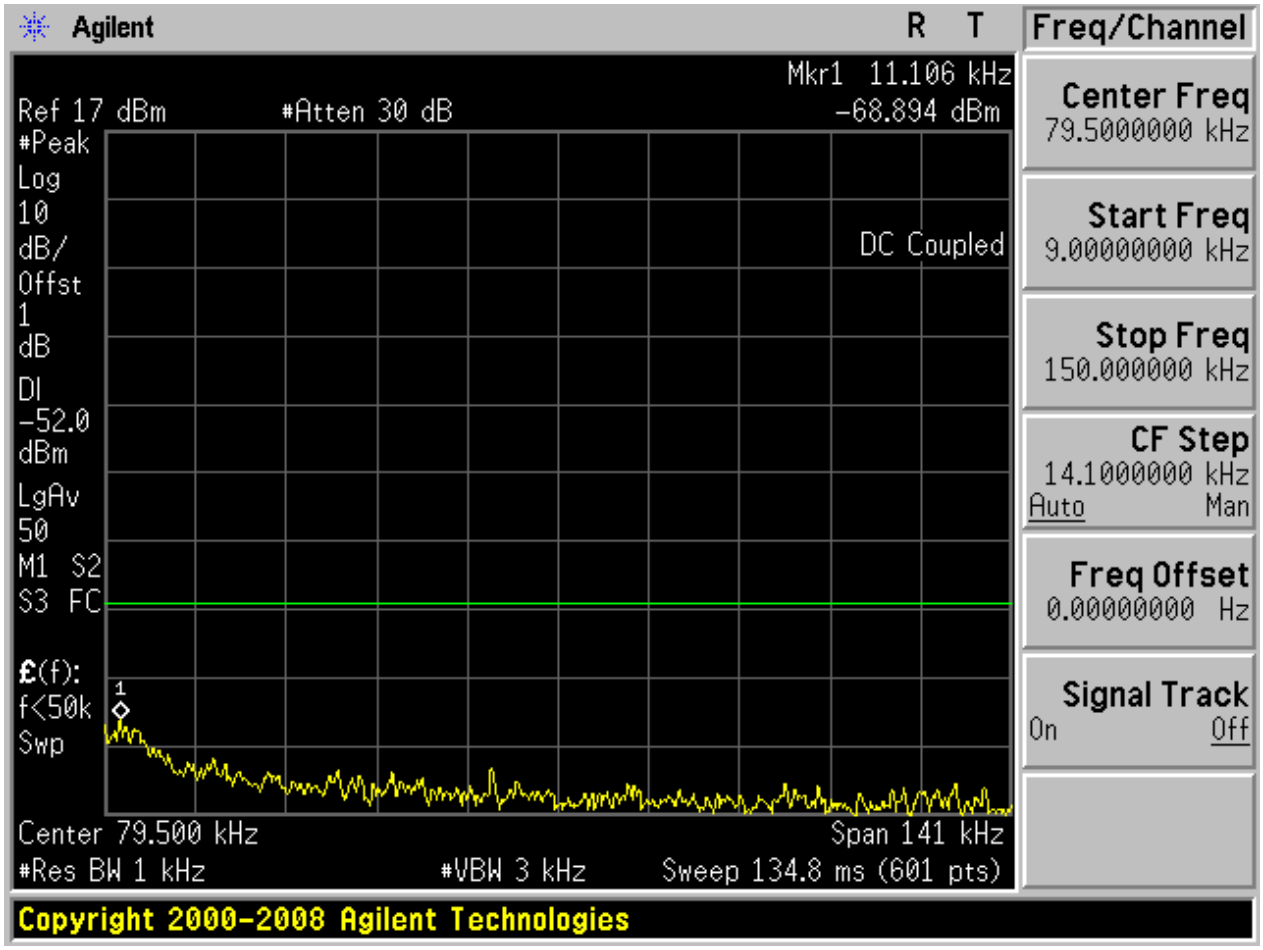

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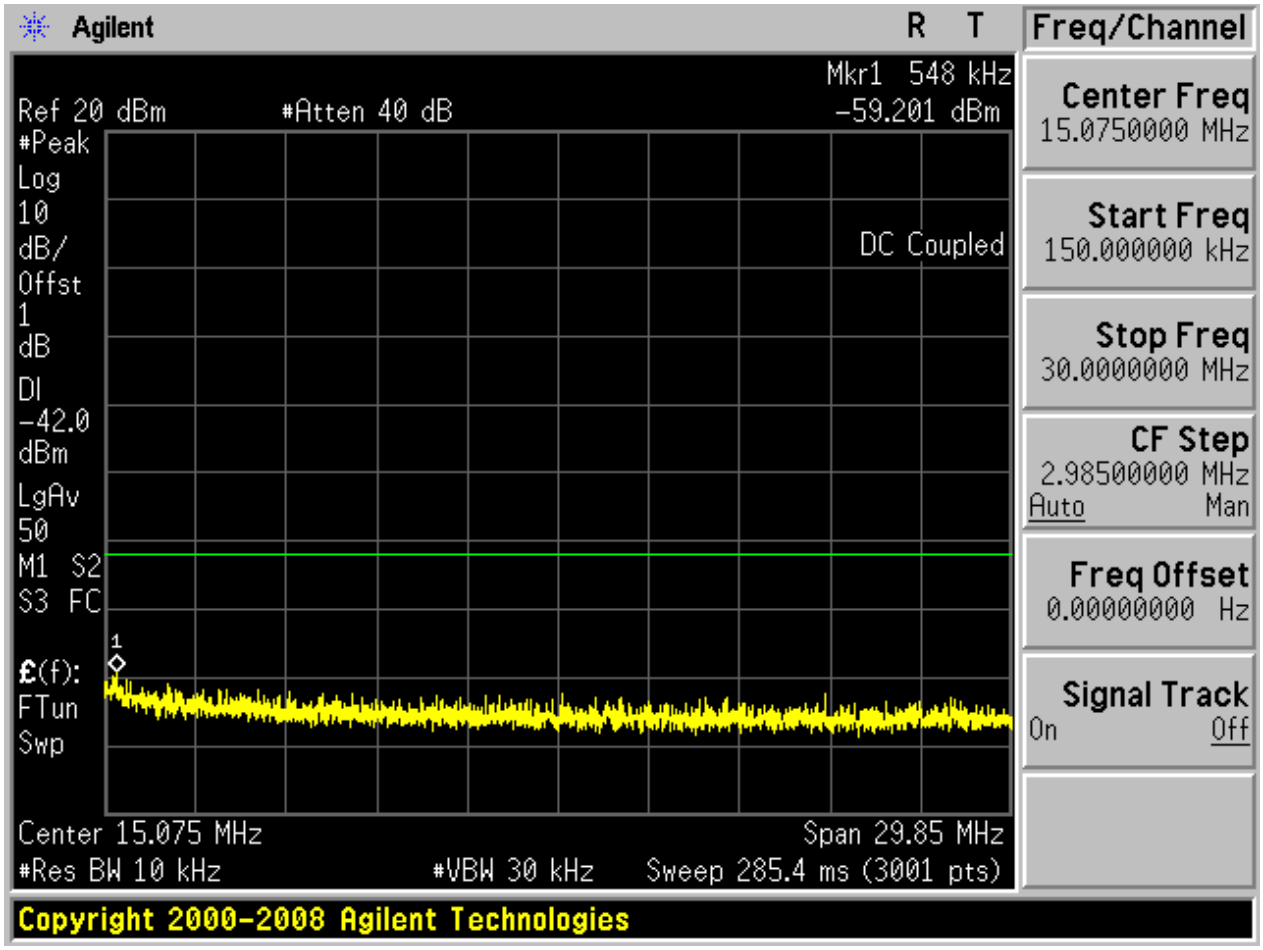

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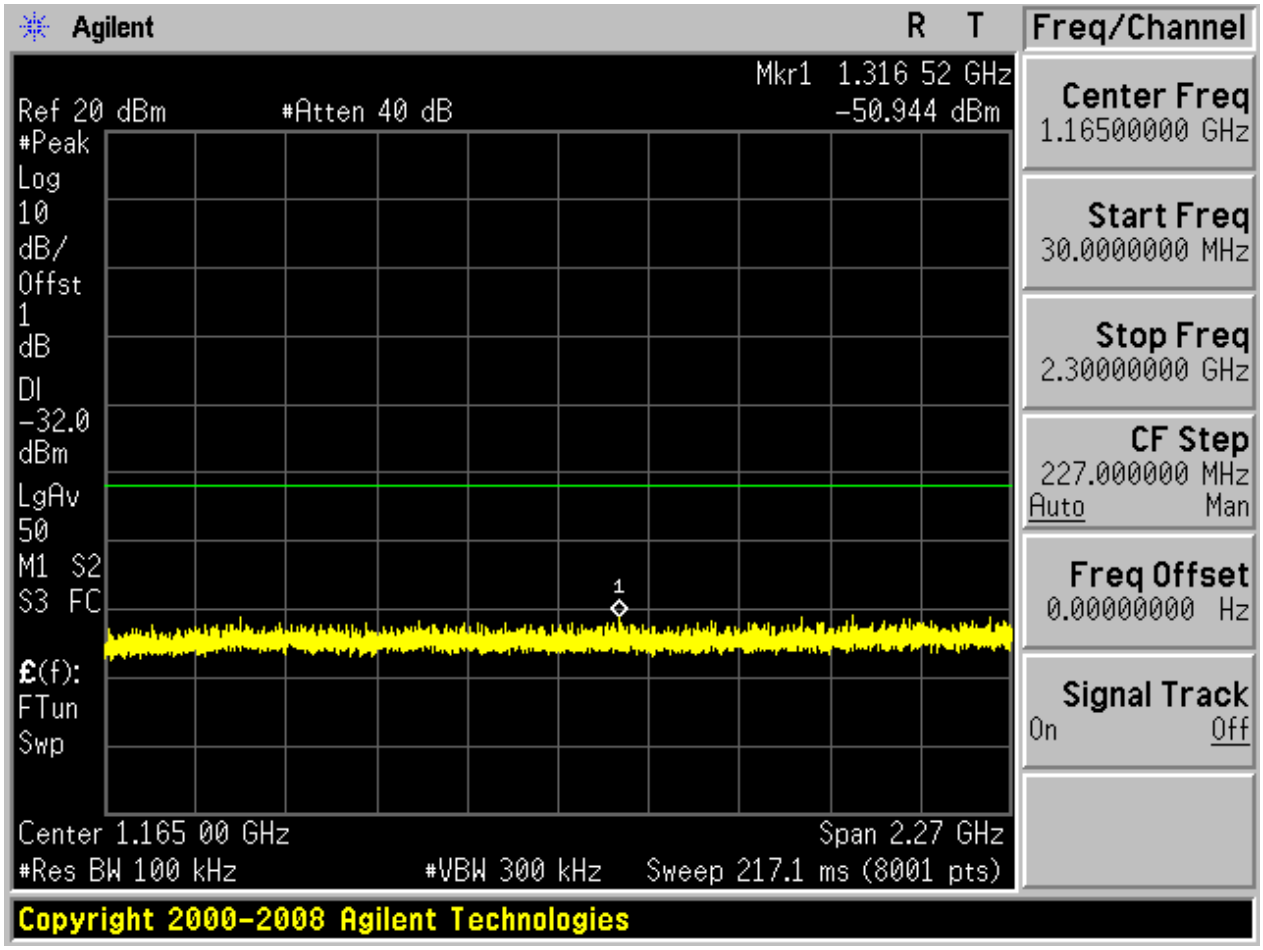

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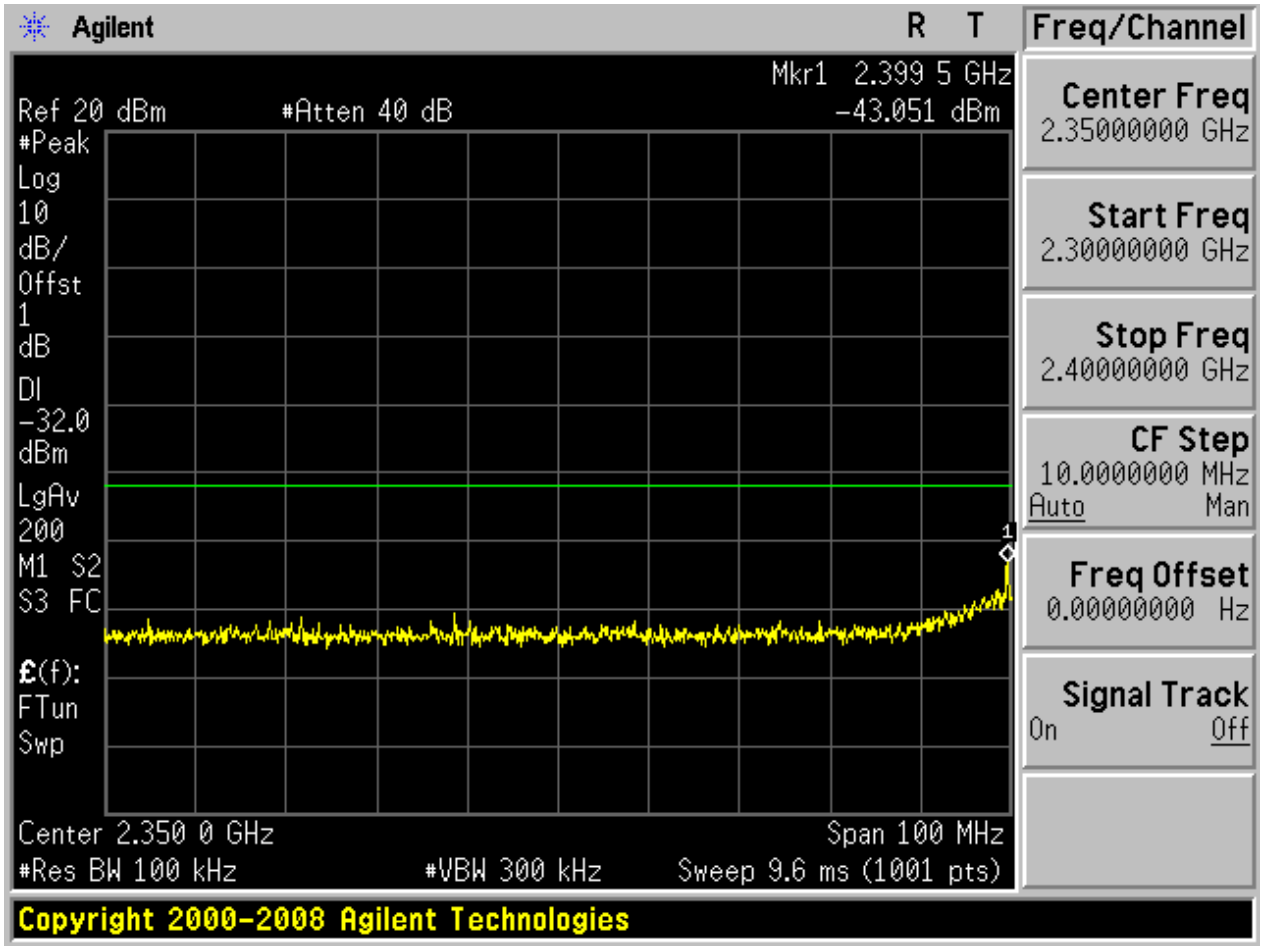

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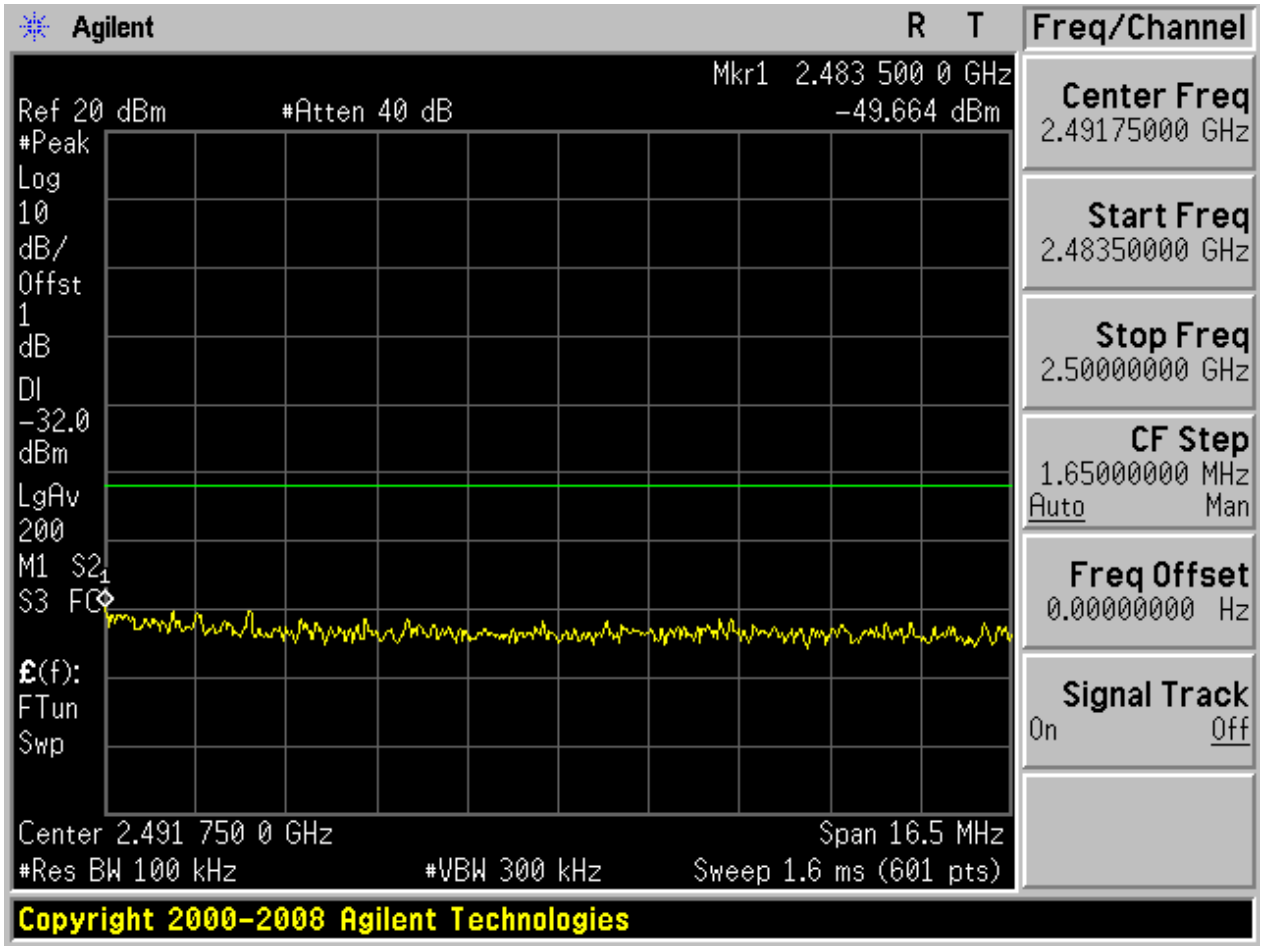

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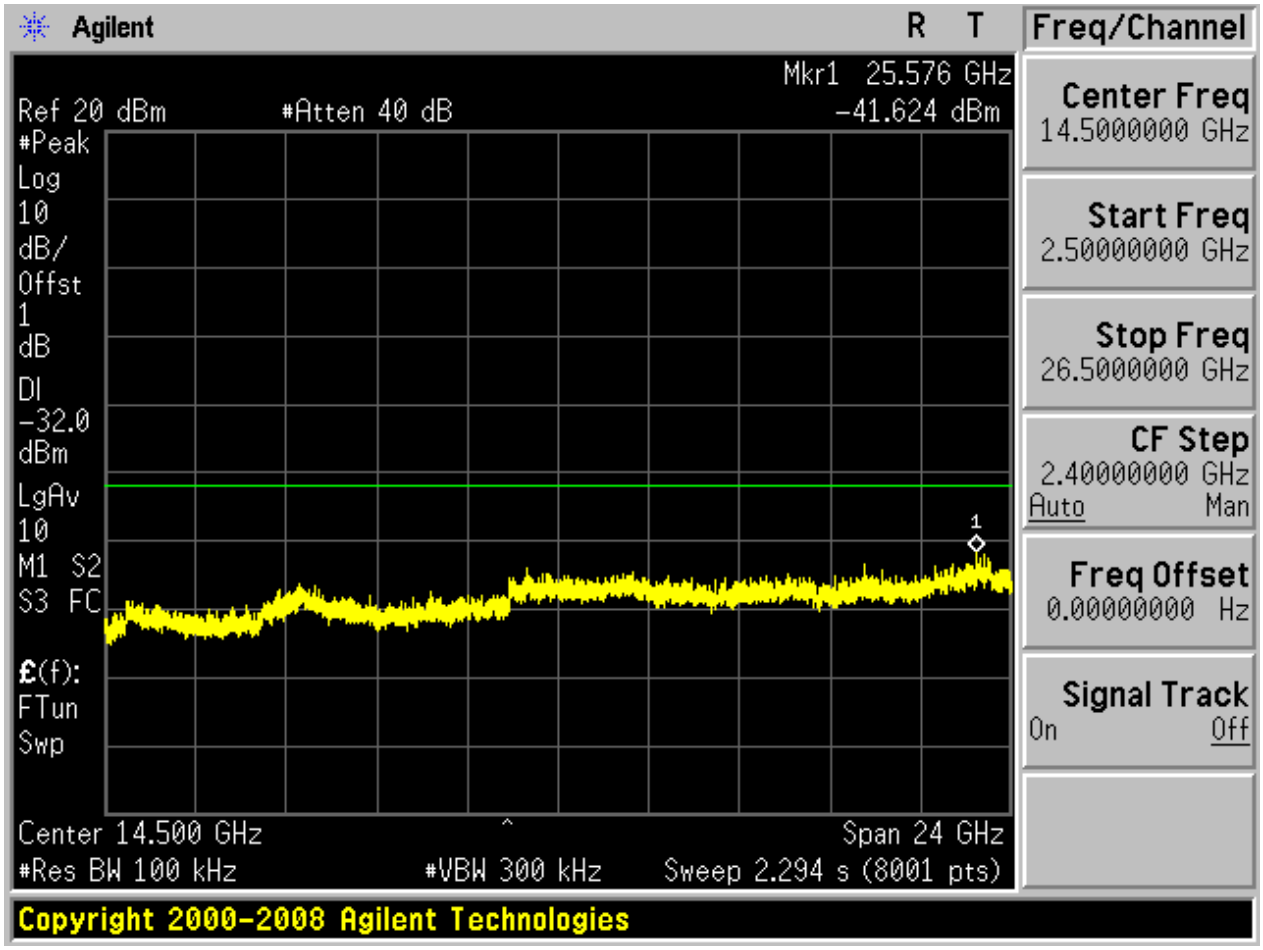

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2.34 11N40m_M@Ant 2

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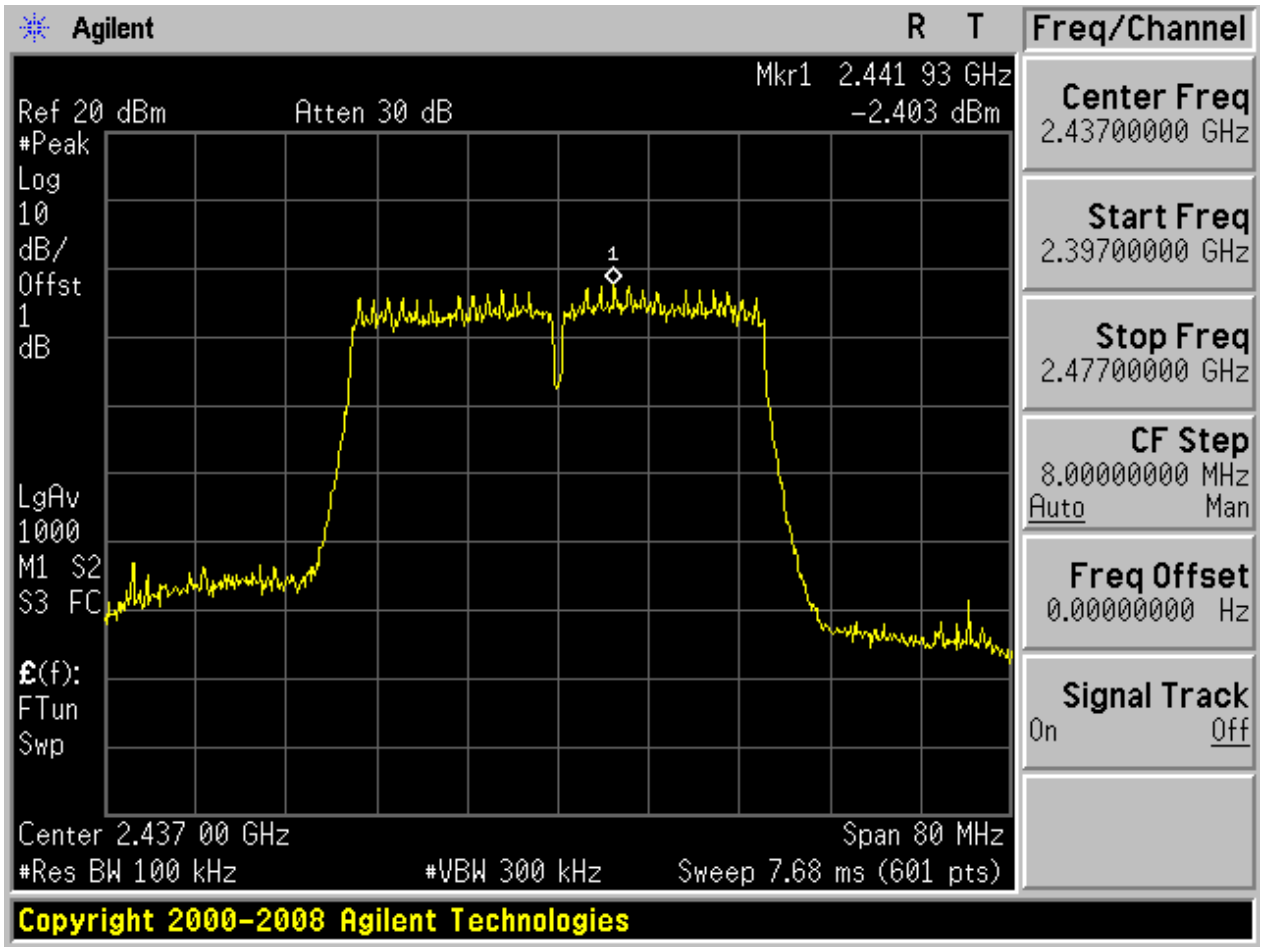

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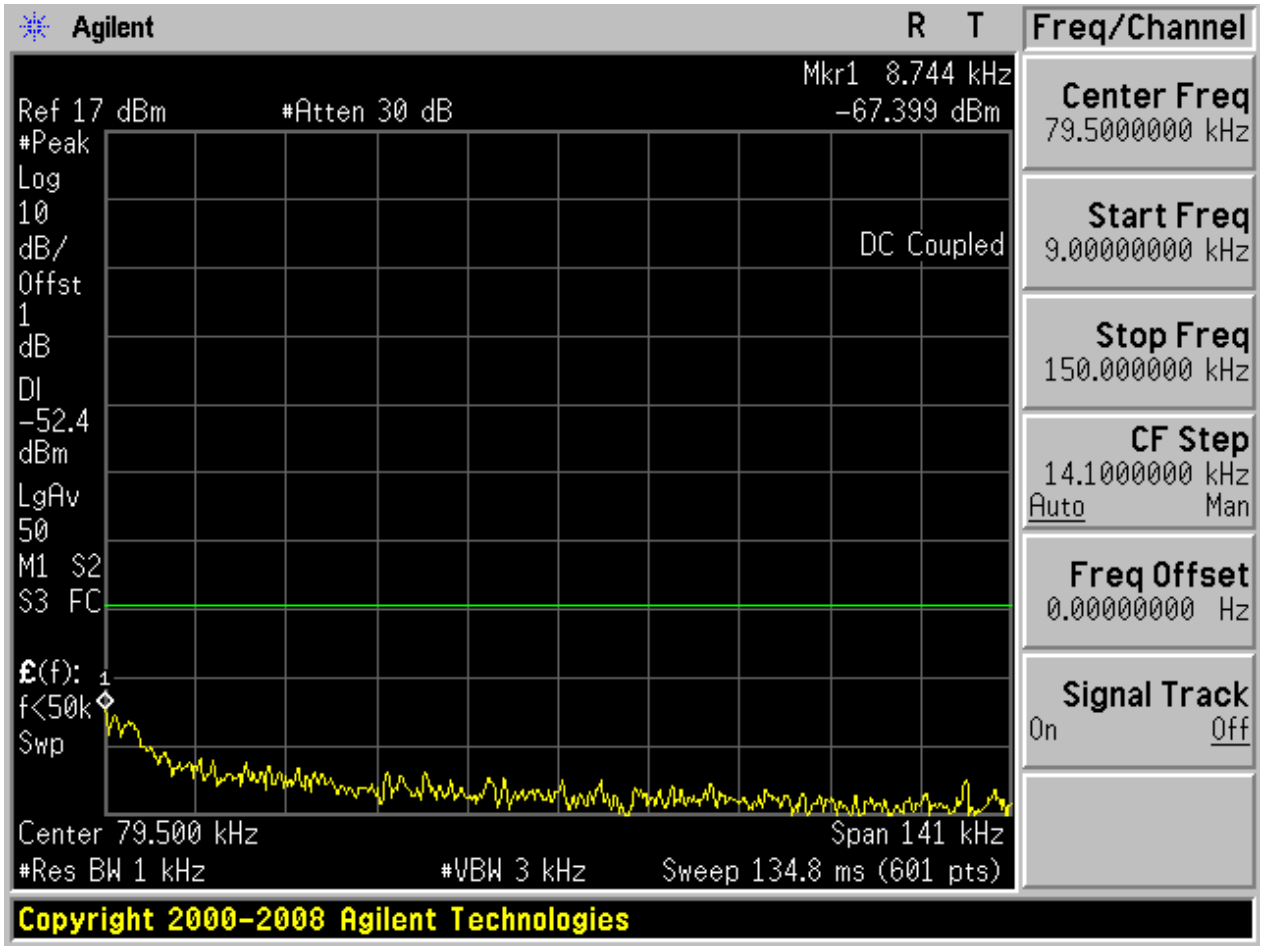

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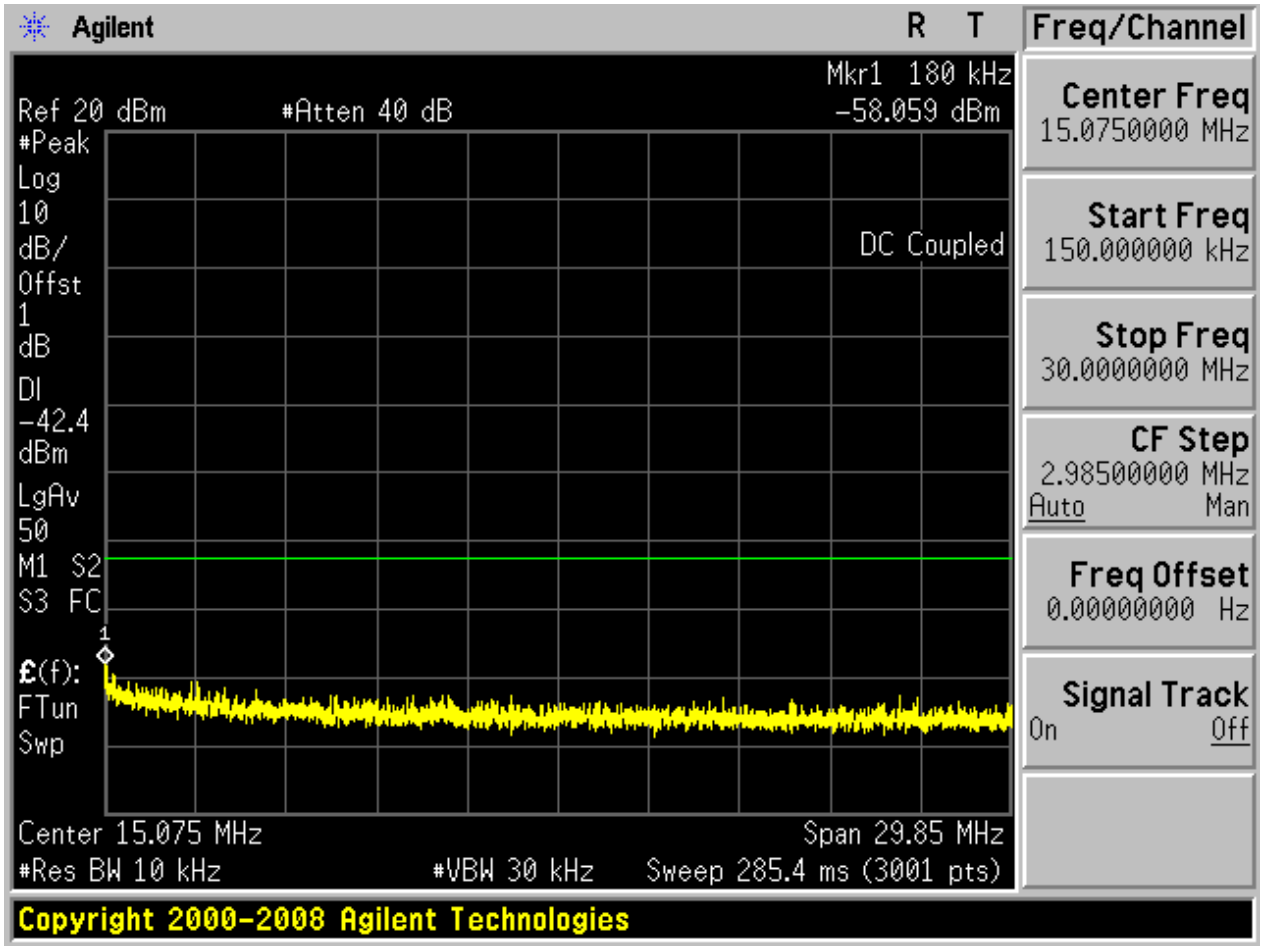

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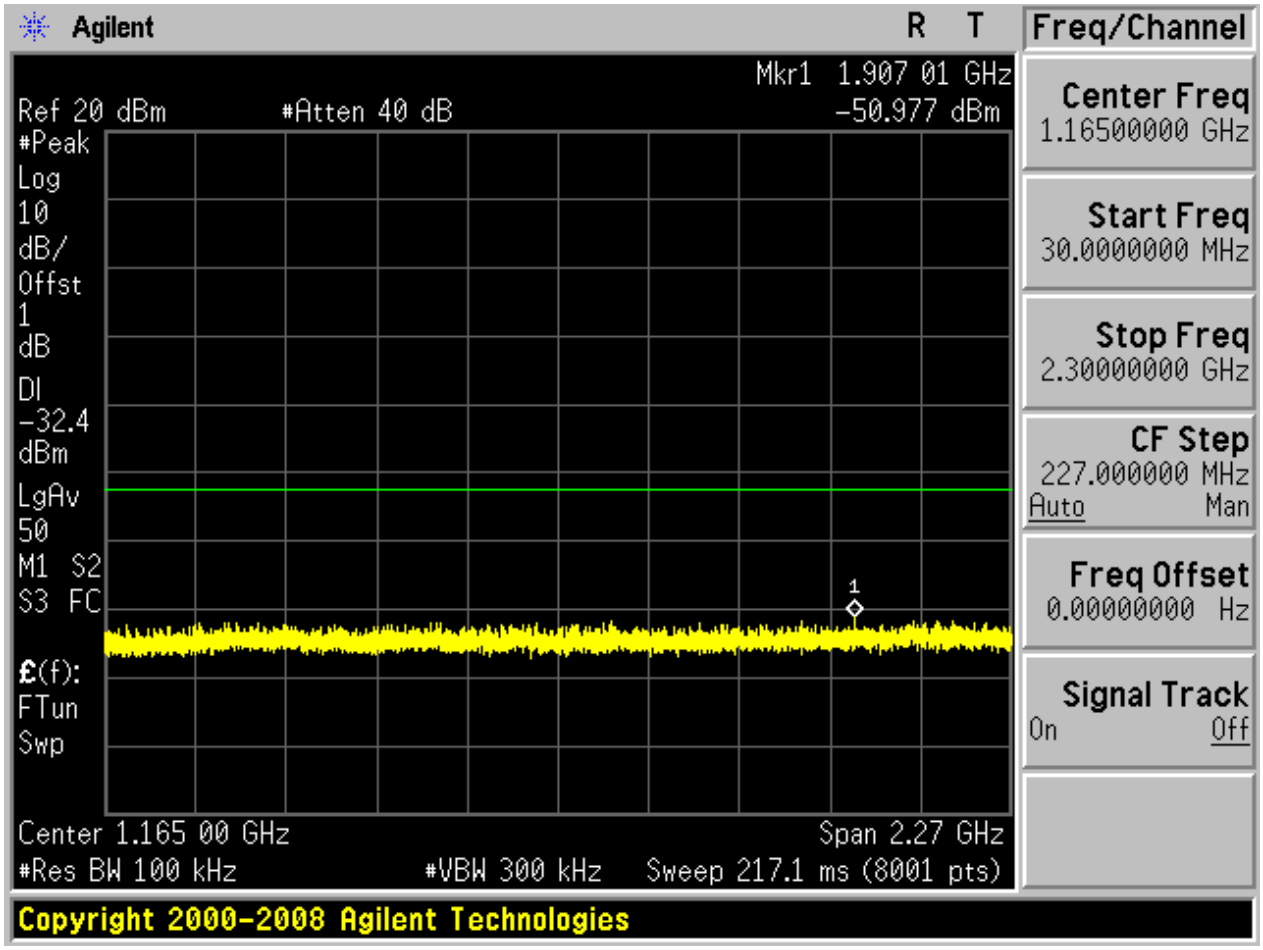

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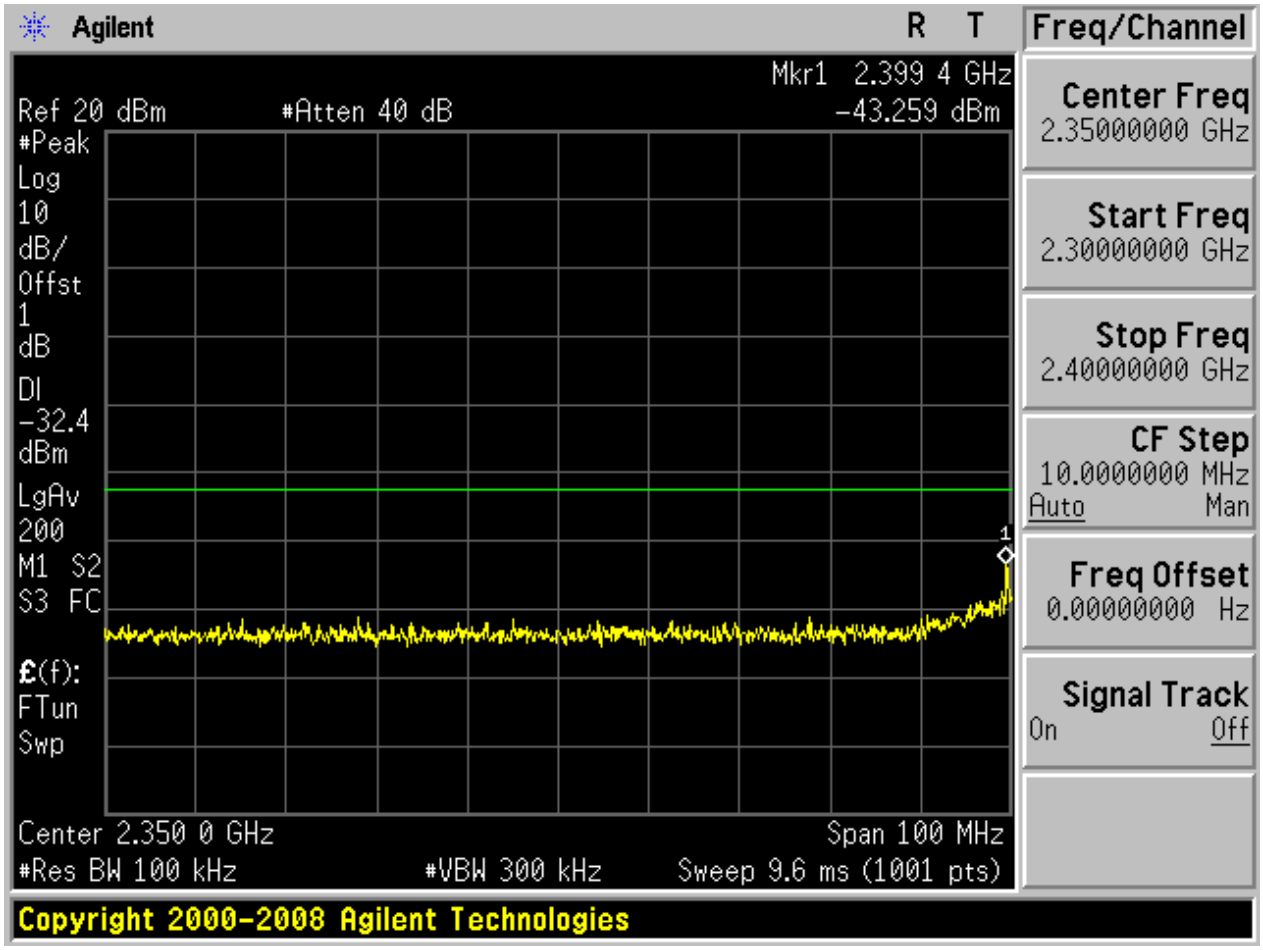

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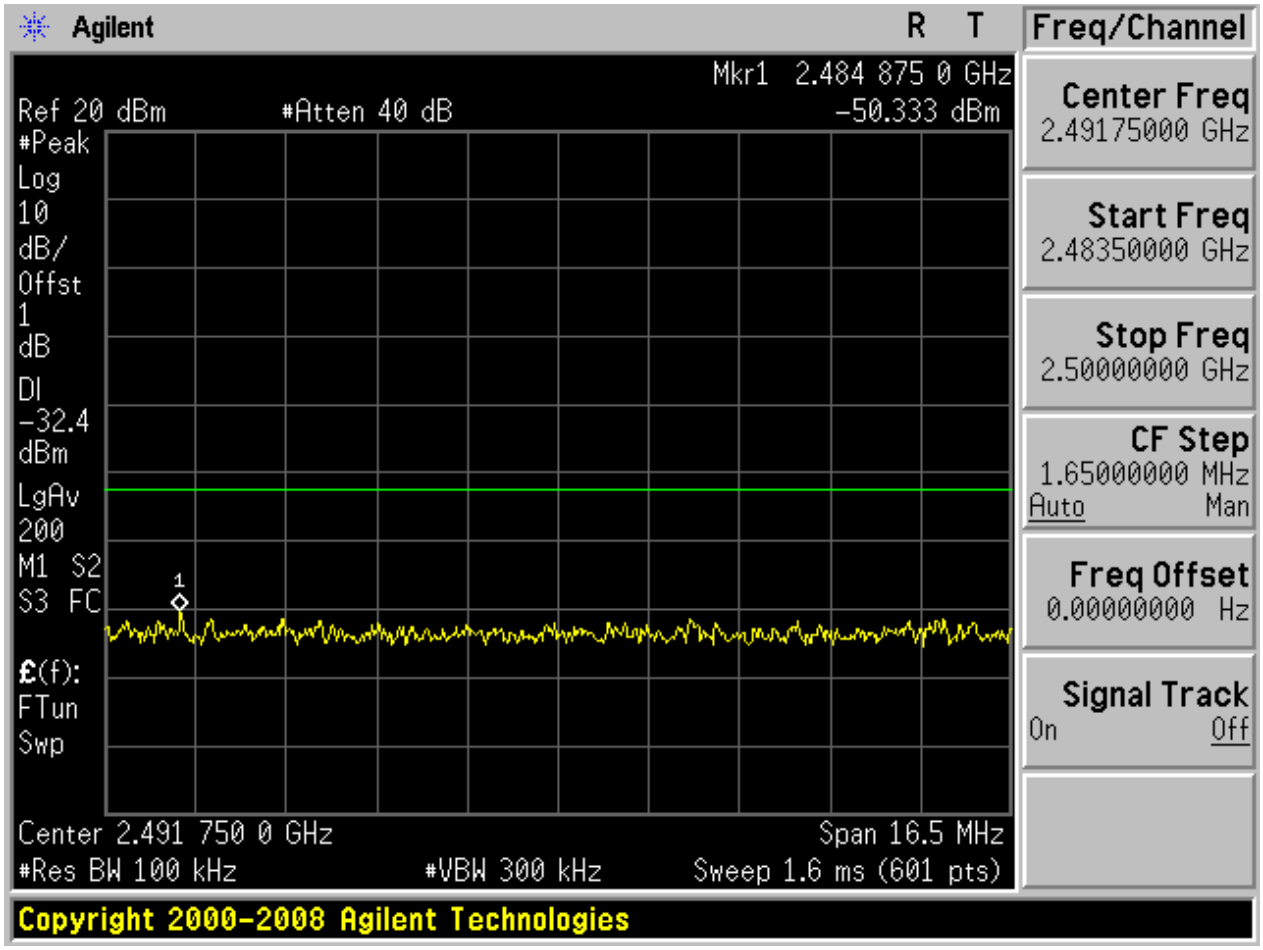

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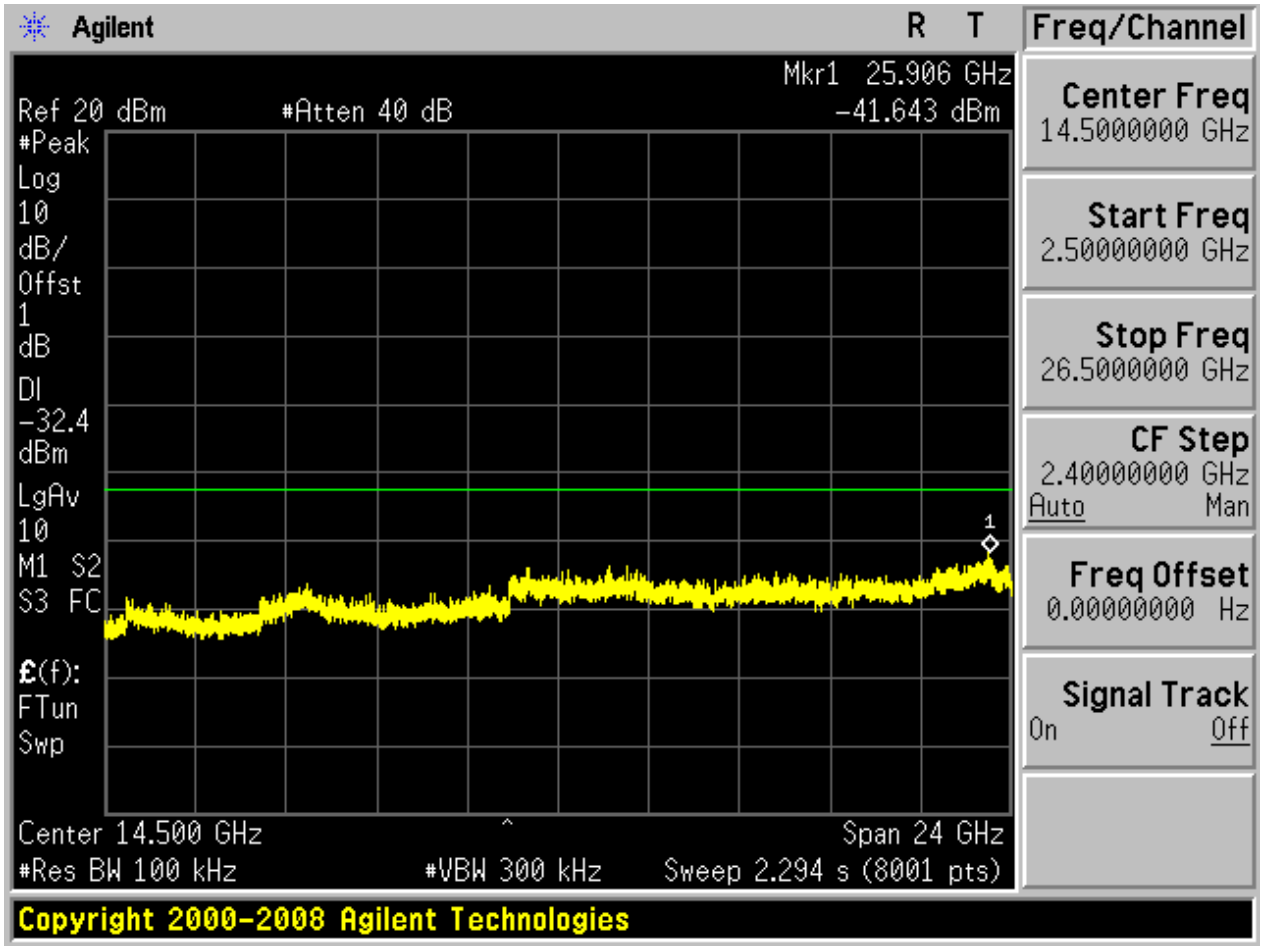

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2.35 11N40m_H@Ant 1

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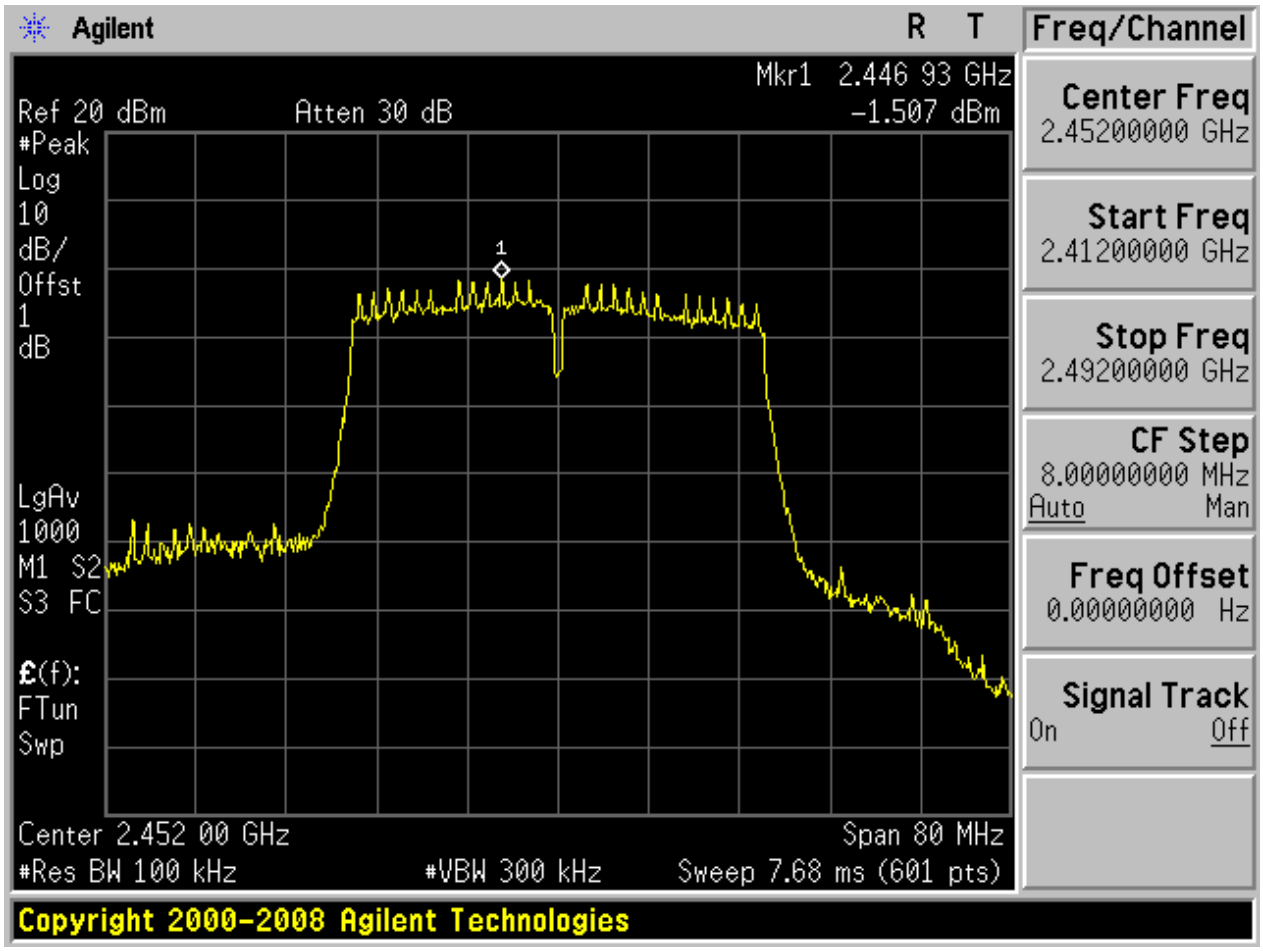

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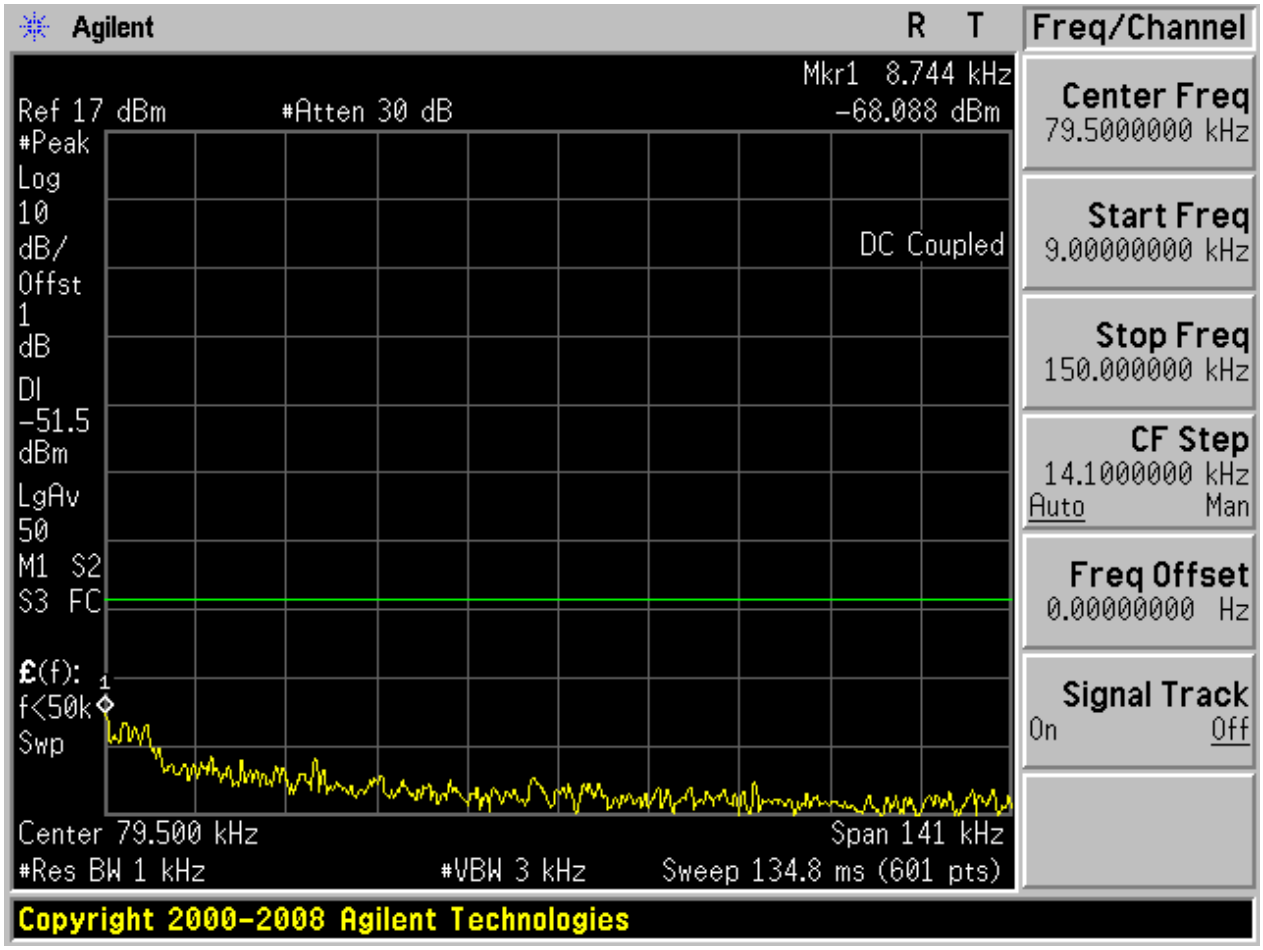

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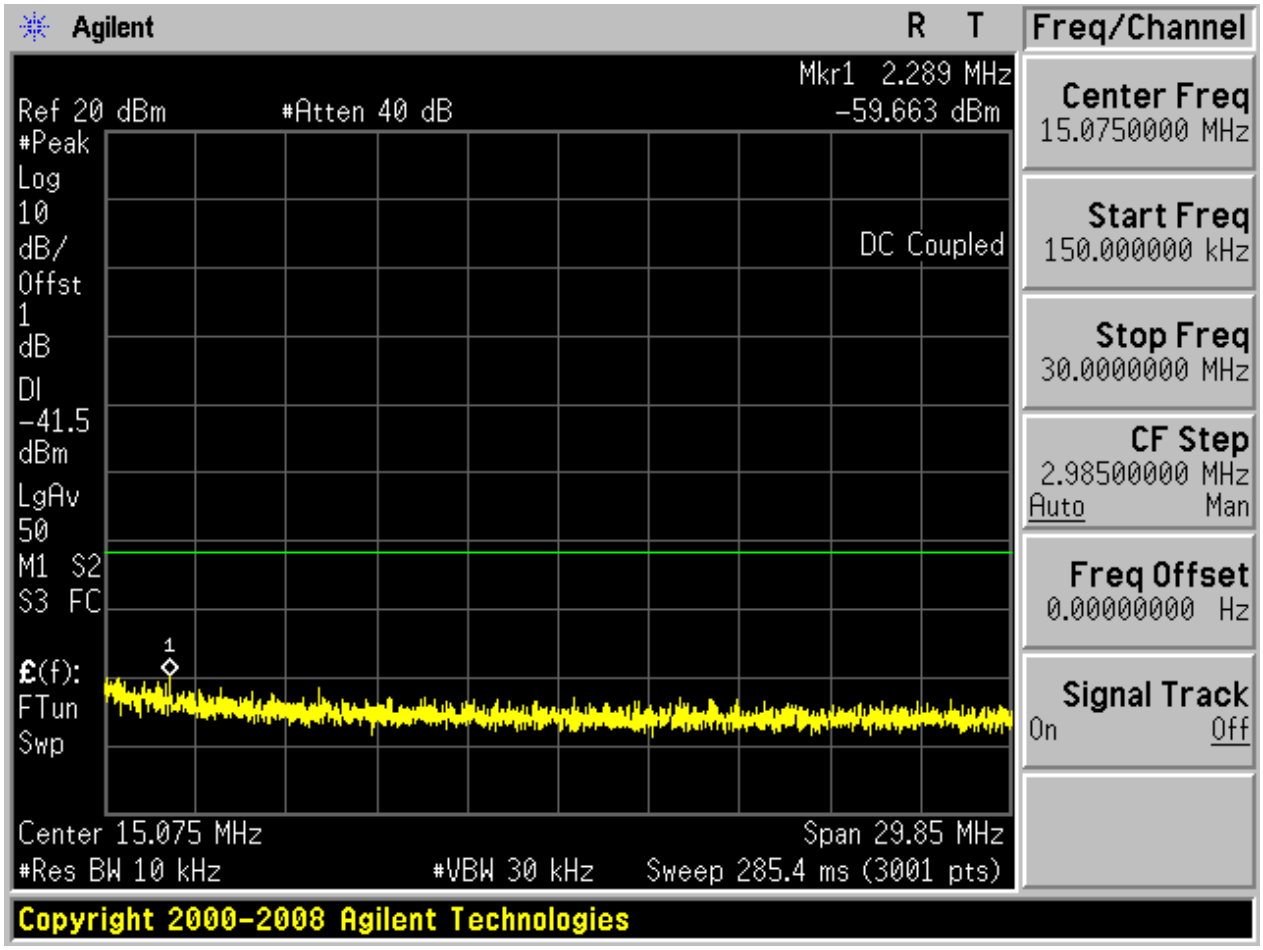

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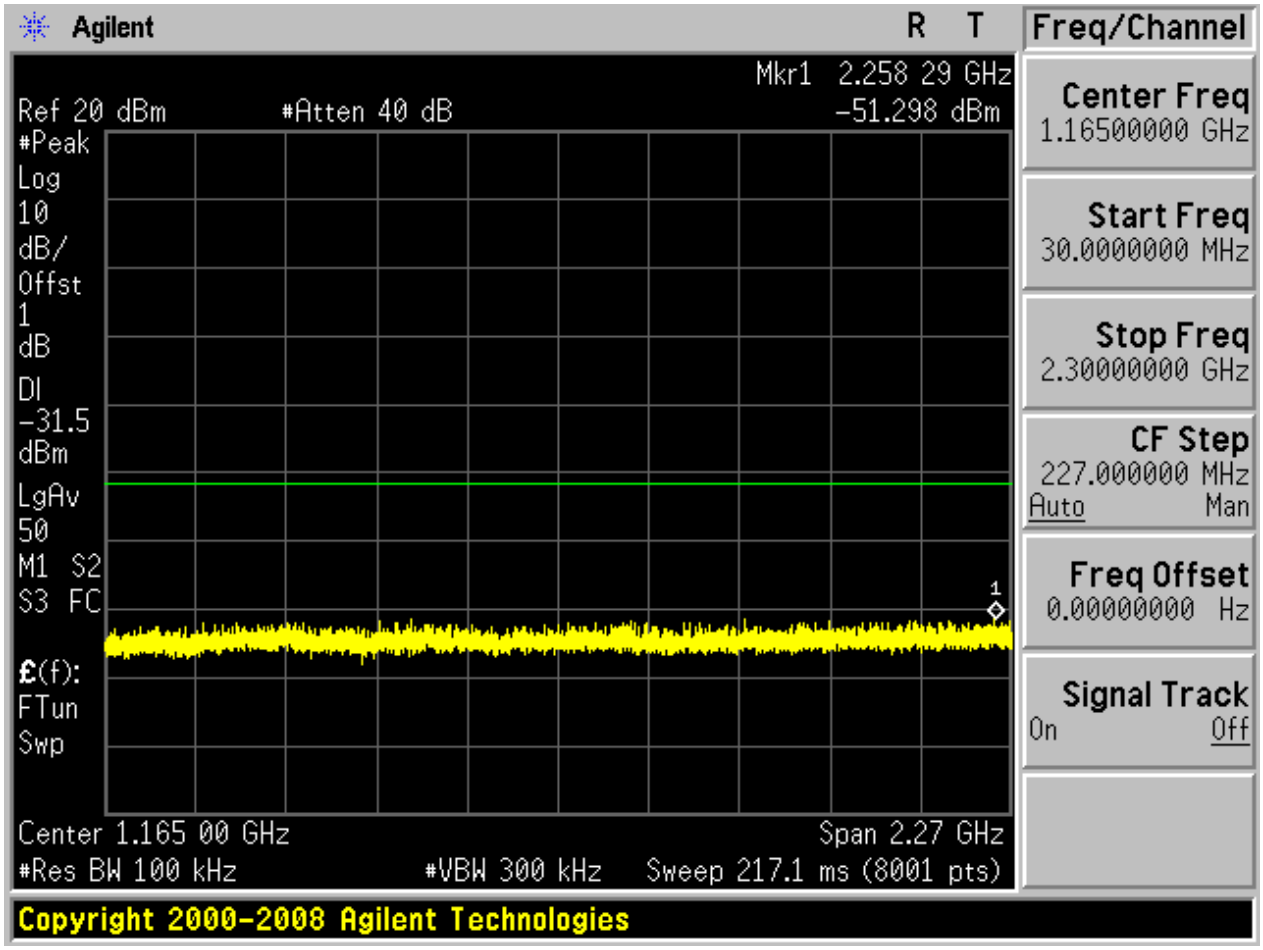

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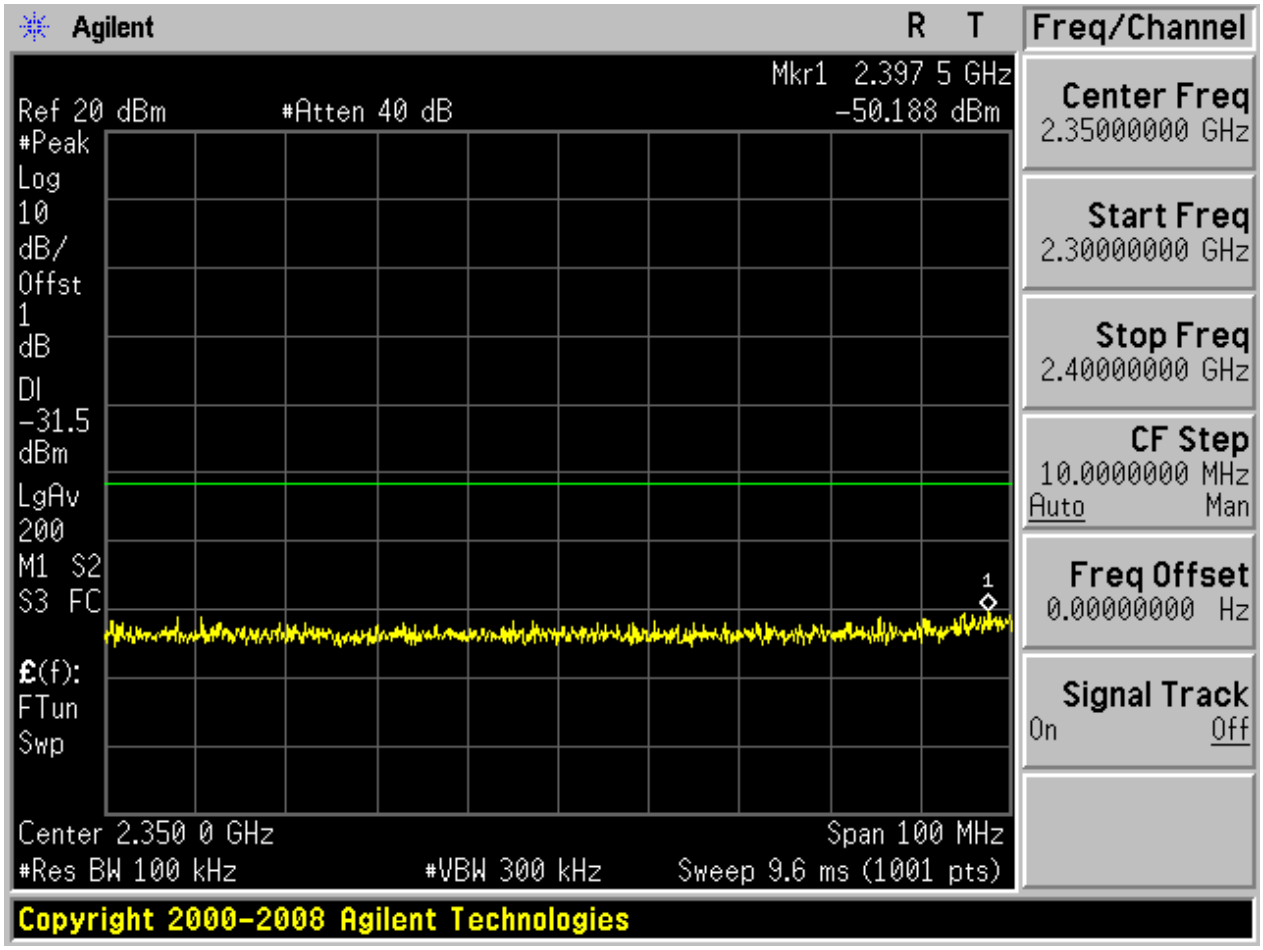

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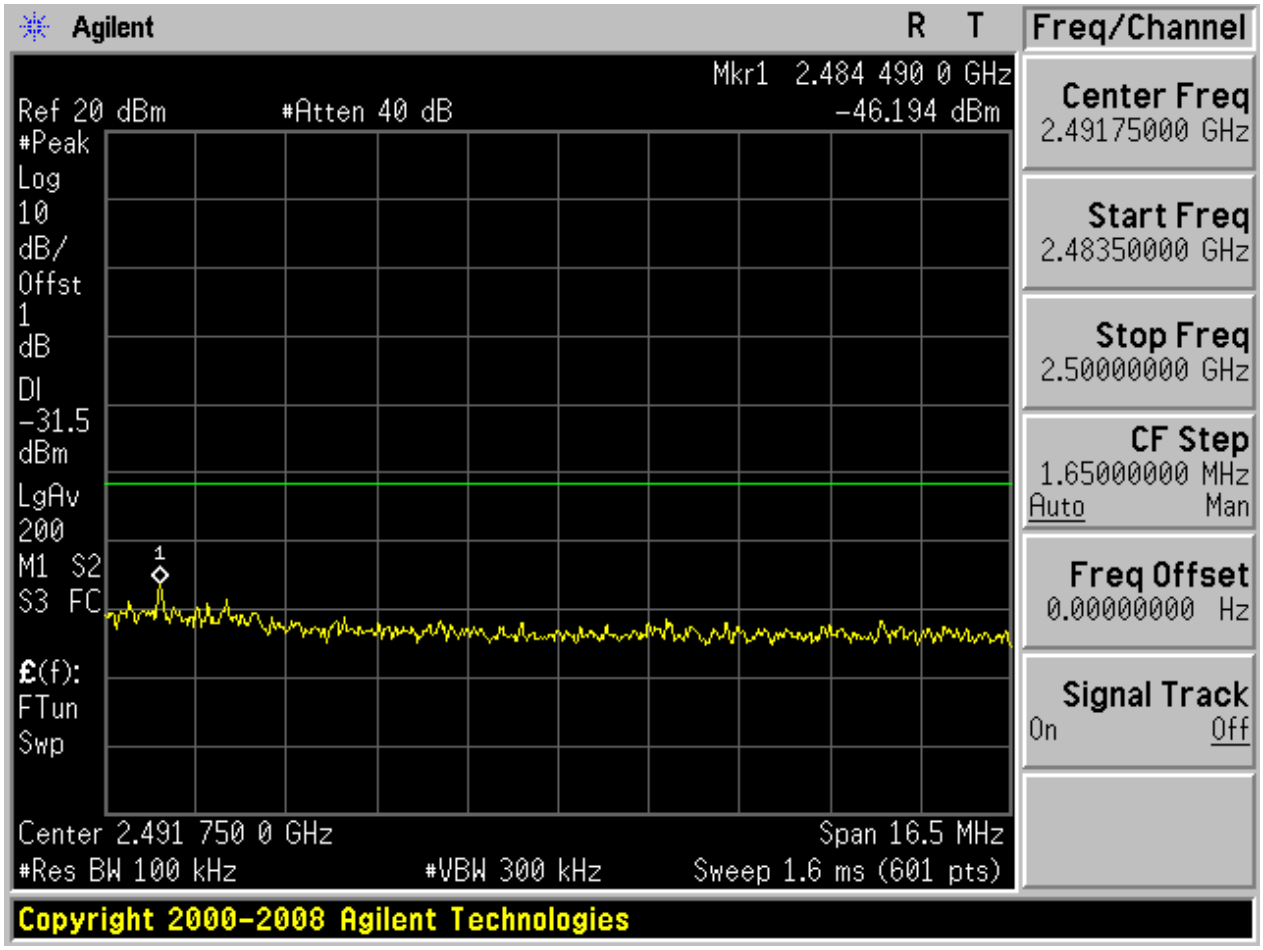

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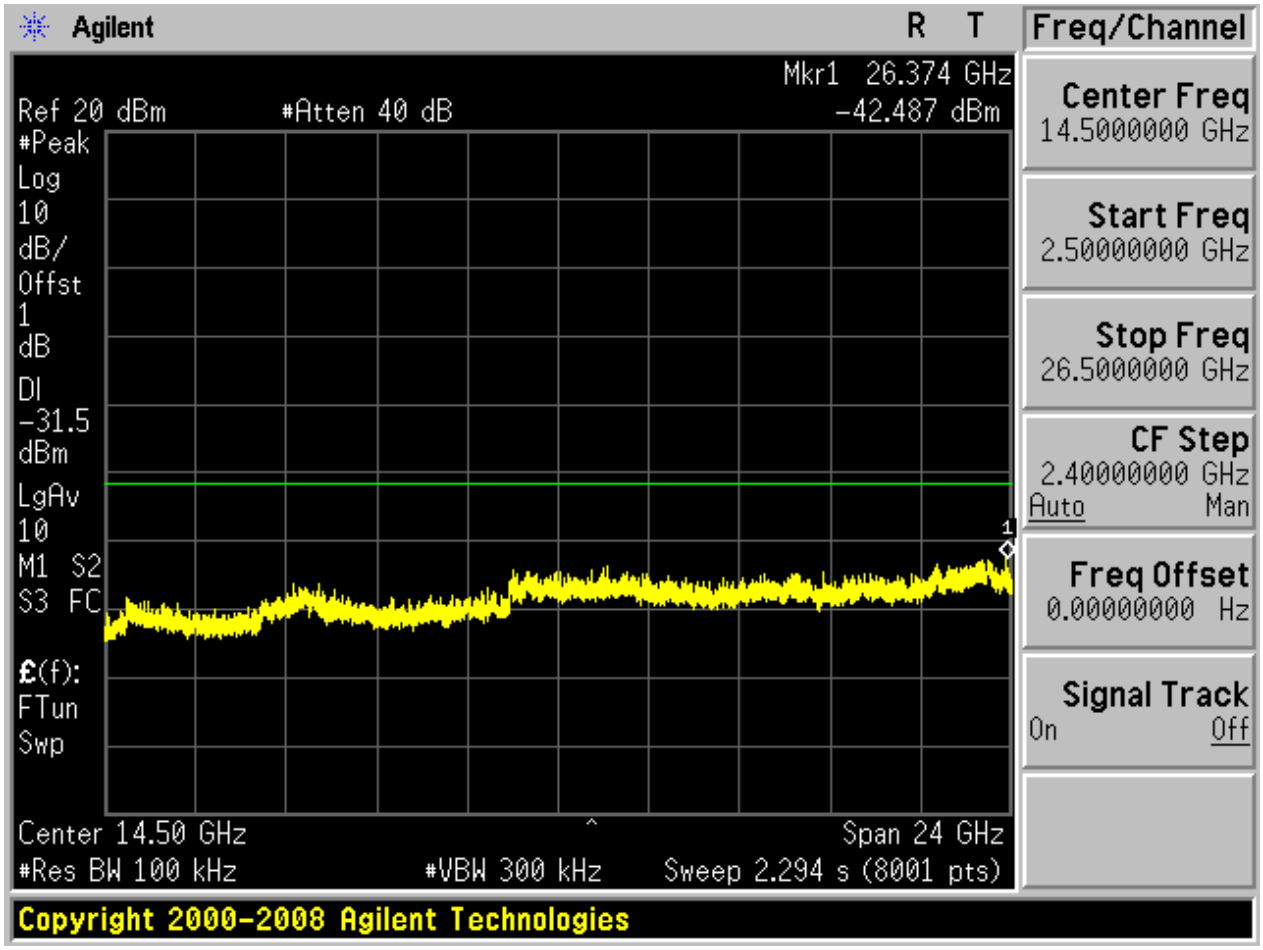

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2.36 11N40m_H@Ant 2

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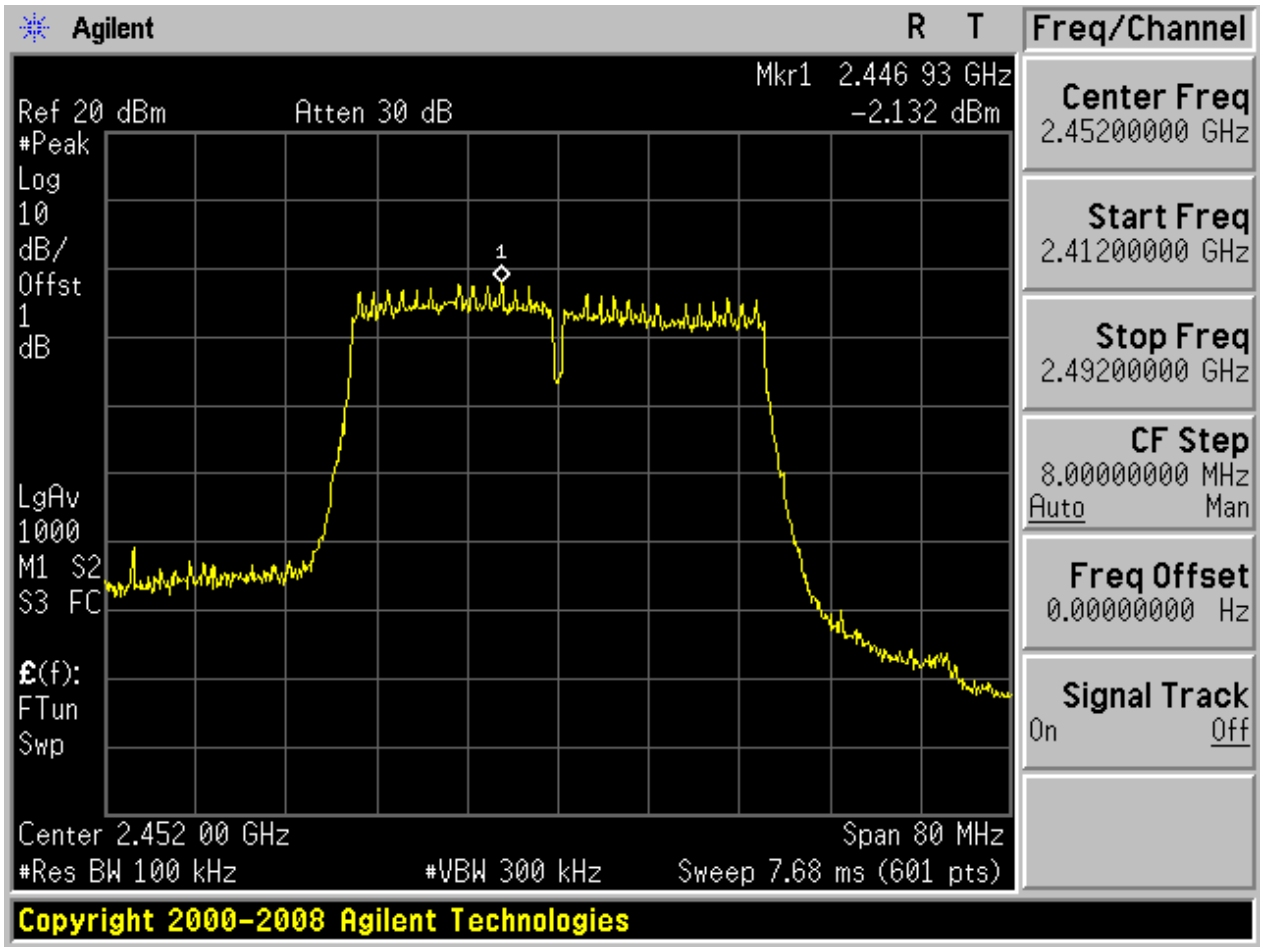

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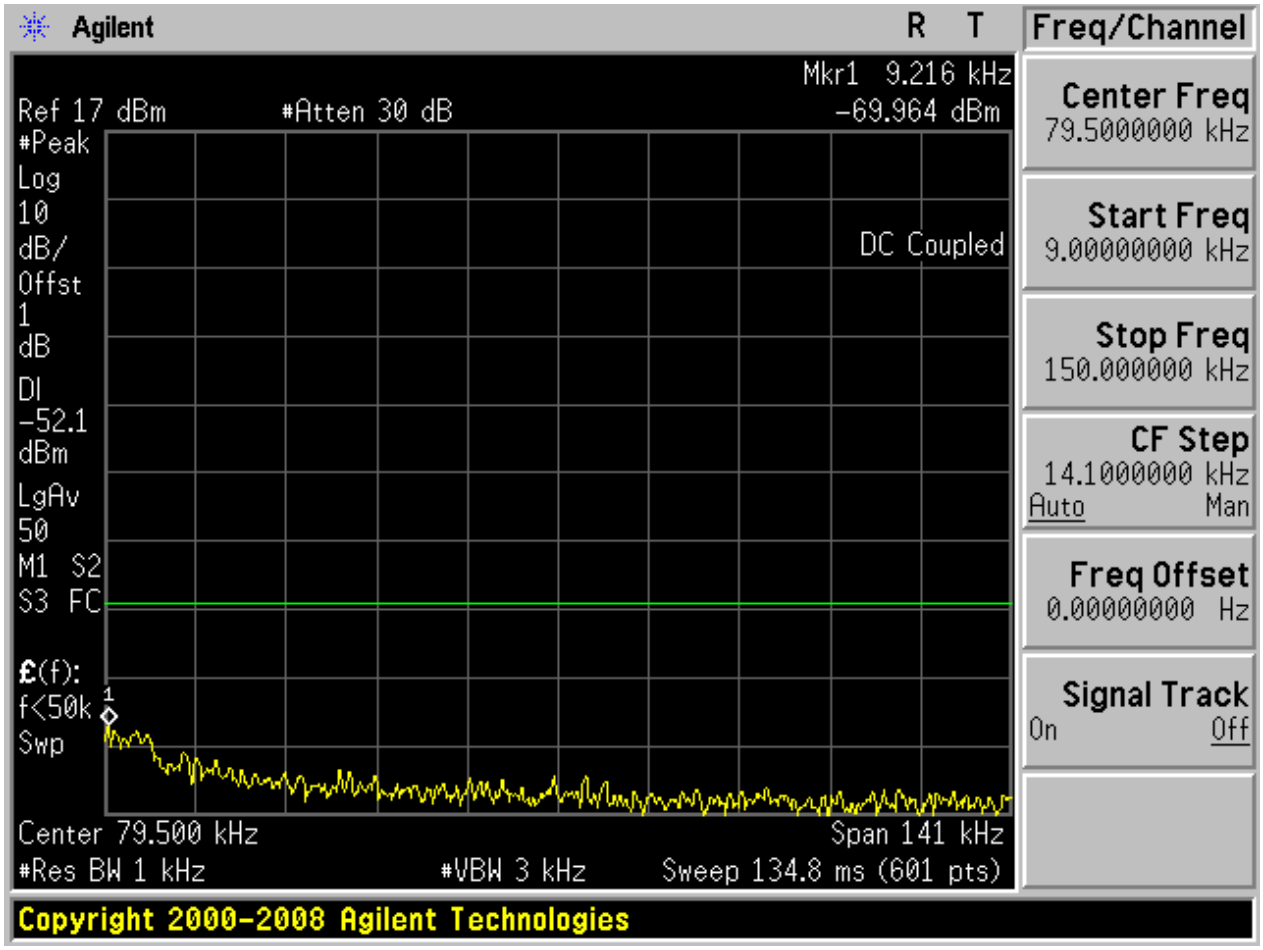

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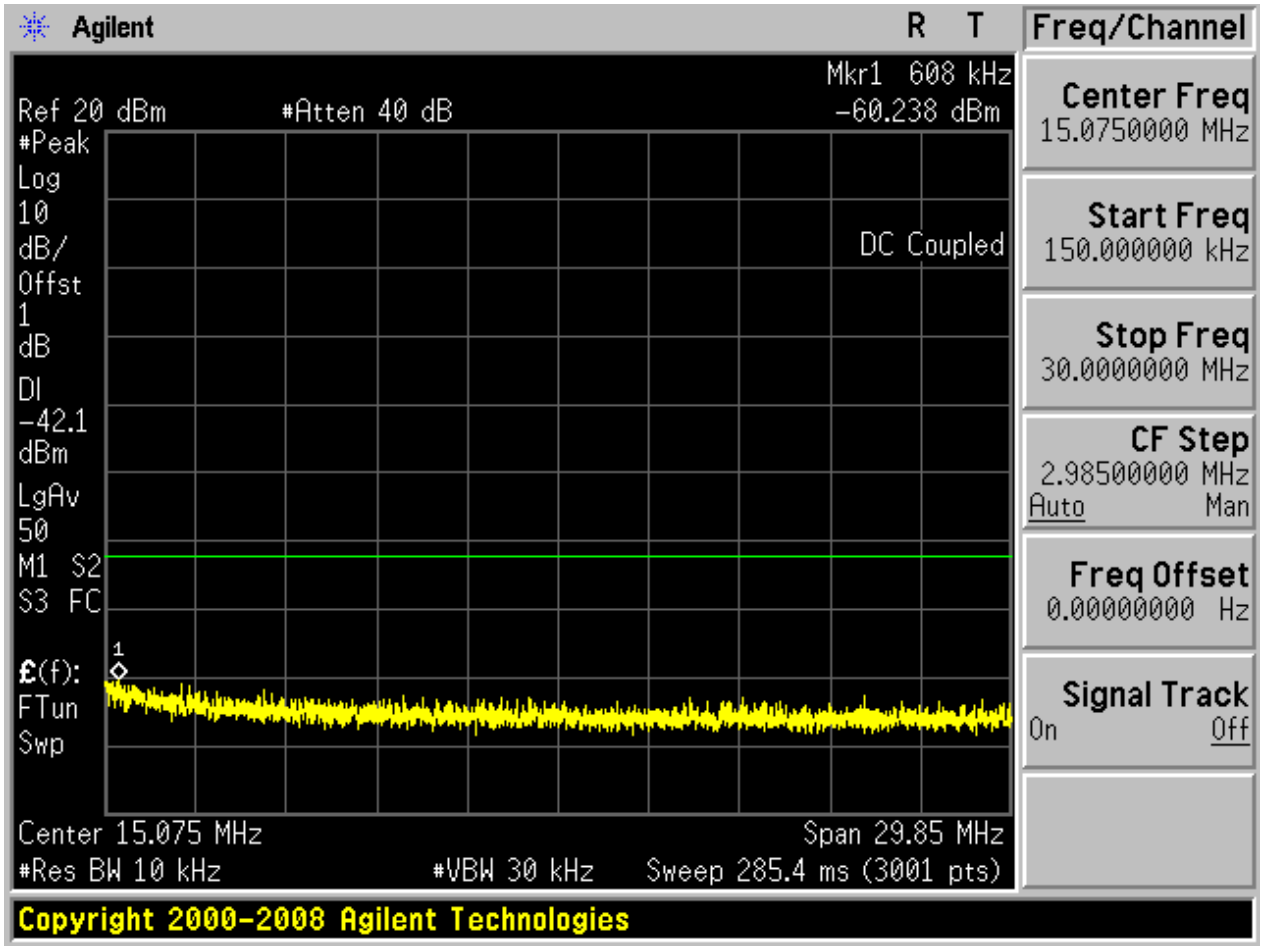

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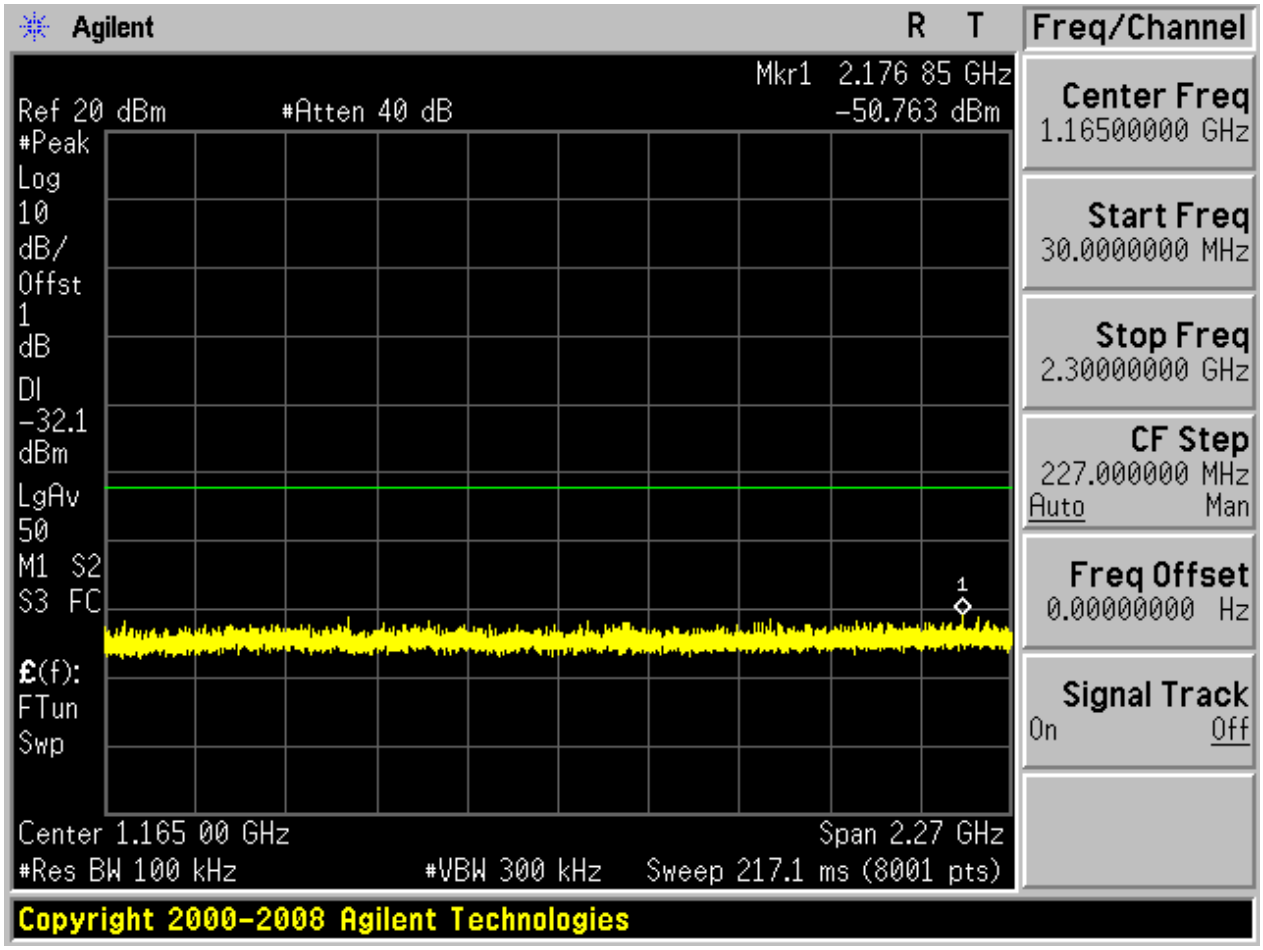

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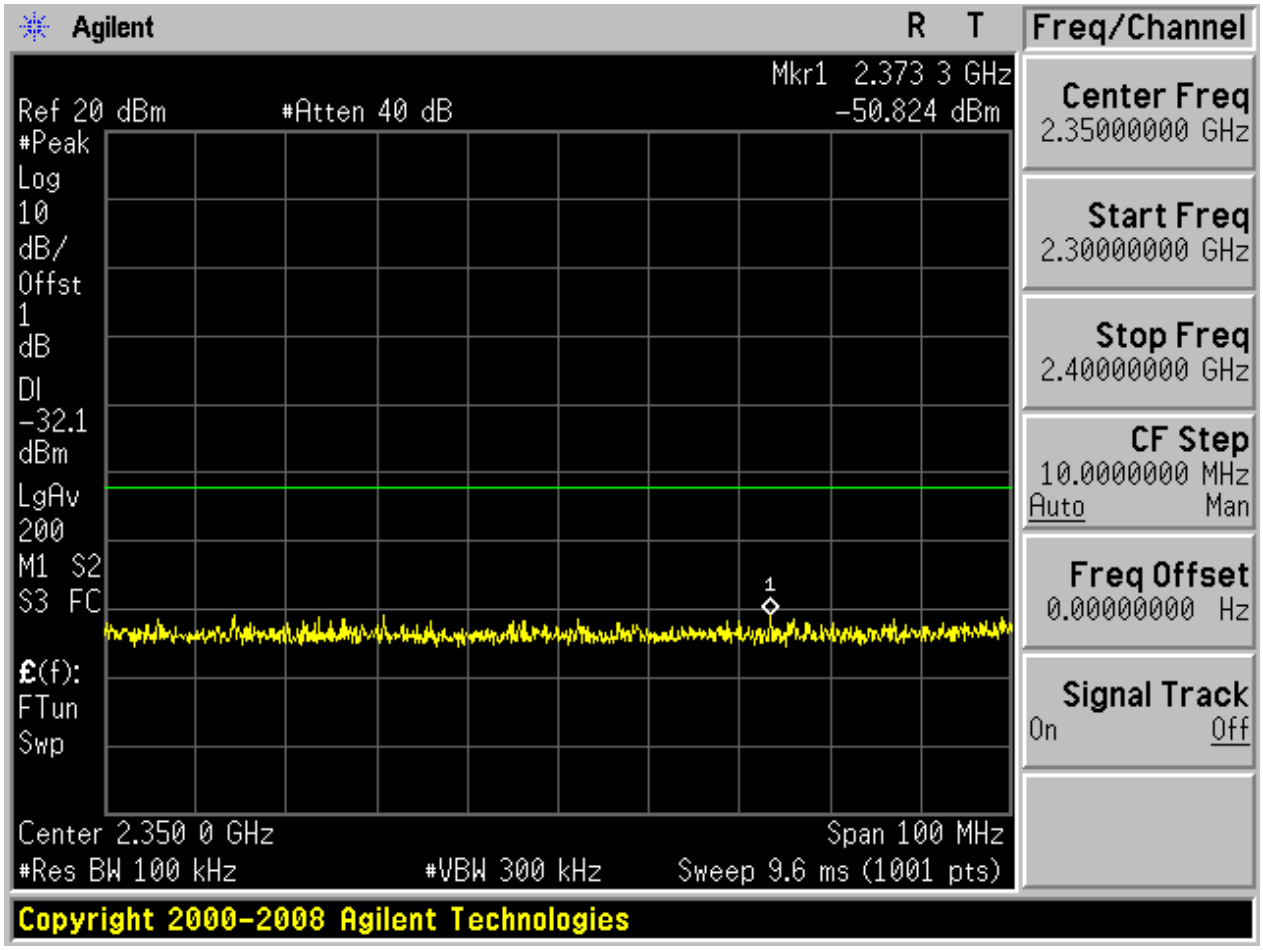

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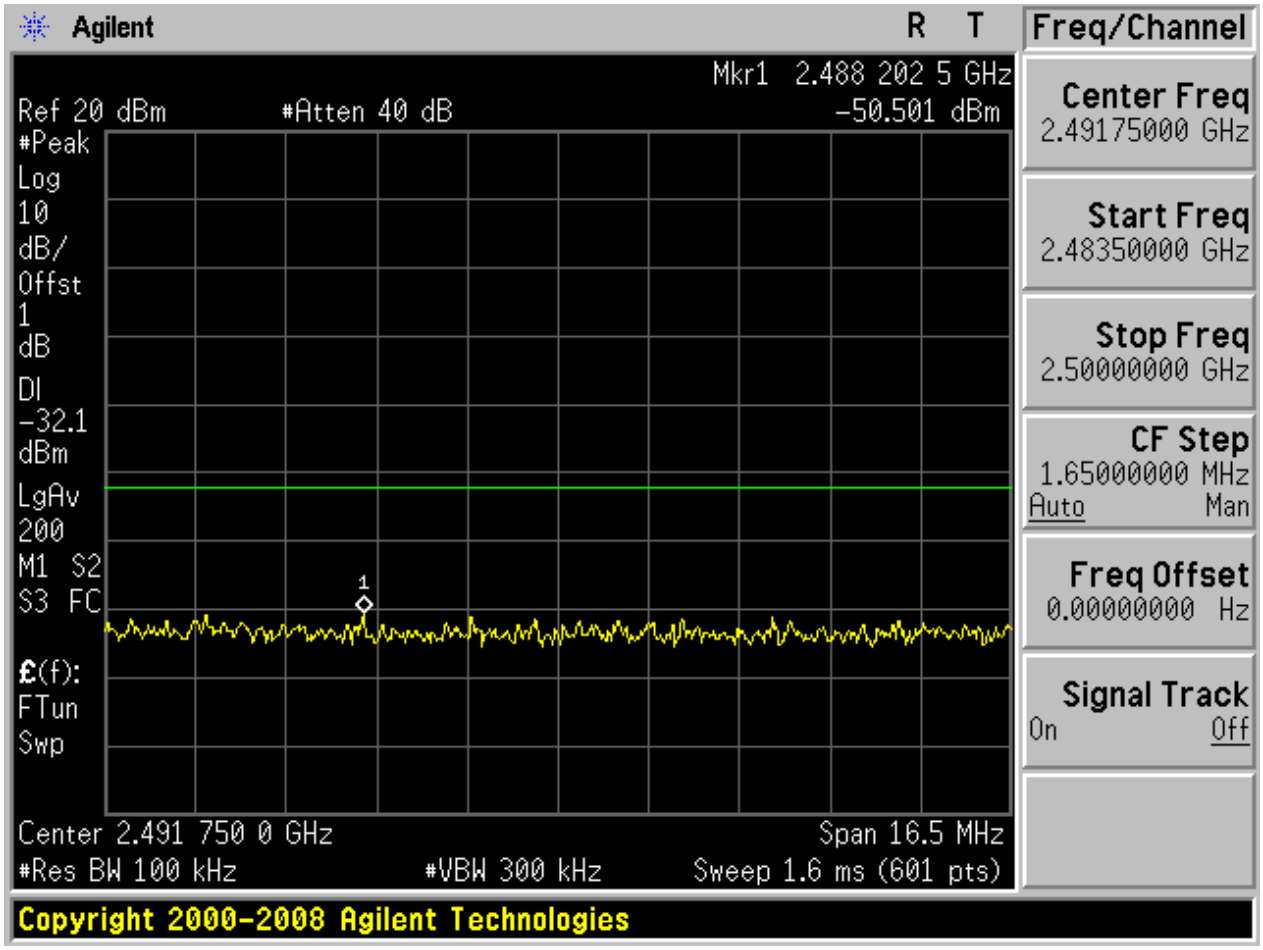

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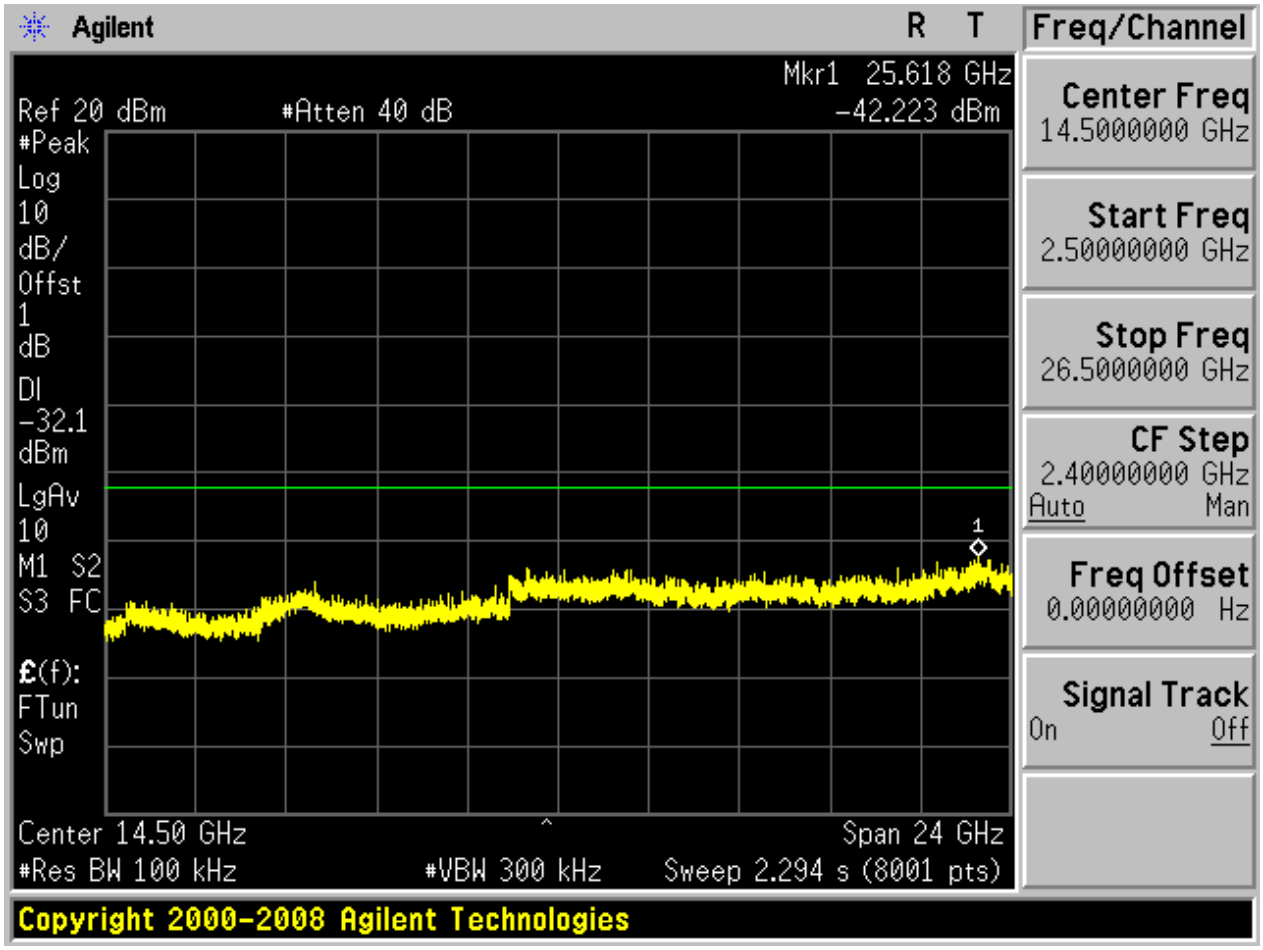

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Appendix H: Radiated Spurious Emission & Spurious in Restricted Band

Note: Below 1GHz, RBW = 100 kHz, VBW = 300 kHz.

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.

The simultaneous transmission has been considered

We tested all modes, but the data presented below is the worst case.

Part 1: Testing Range of “9 kHz to 30MHz”

NOTE1: No peak found in the Test Range of “9 kHz to 30MHz”

Part 2: Testing Range of “30 MHz to 1 GHz”

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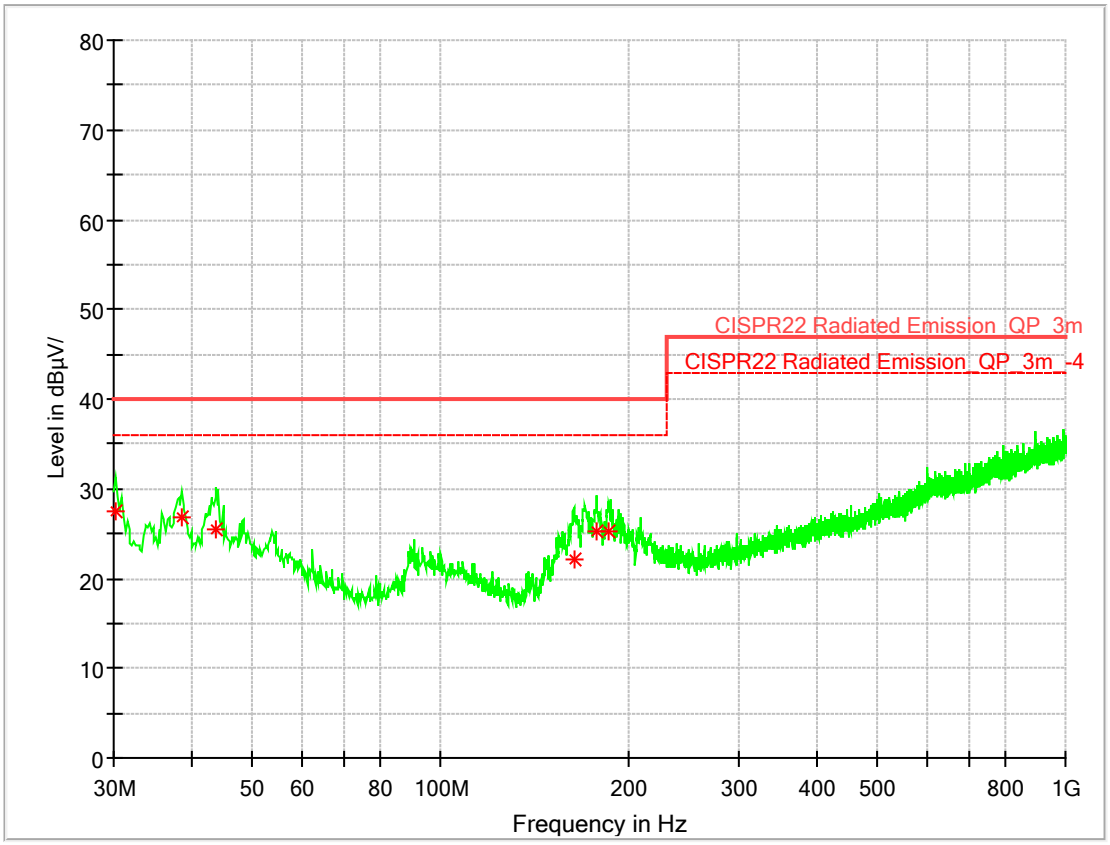
Note 1: The test results and plot for testing range of “30 MHz to 1 GHz” showed as below is **the WORST case for all Test Modes and Channels**. This range will not be presented for each Test Mode and each Channel.

Note 2: **The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).**



Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.148478	27.57	40.00	-12.43	106.0	V	324.0	14.5
38.589360	26.89	40.00	-13.11	100.0	V	343.0	15.3
43.644160	25.49	40.00	-14.51	117.0	V	194.0	15.2
163.922560	22.11	40.00	-17.89	106.0	V	247.0	10.6
177.925120	25.33	40.00	-14.67	100.0	V	253.0	11.5
185.488800	25.36	40.00	-14.64	100.0	V	313.0	12.1

Part 3: Testing Range of “18 GHz to 26.5 GHz”

NOTE1: No peak found in the Test Range of “18 GHz to 26.5GHz”

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Part 4: Testing Range of "1GHz to 3GHz"

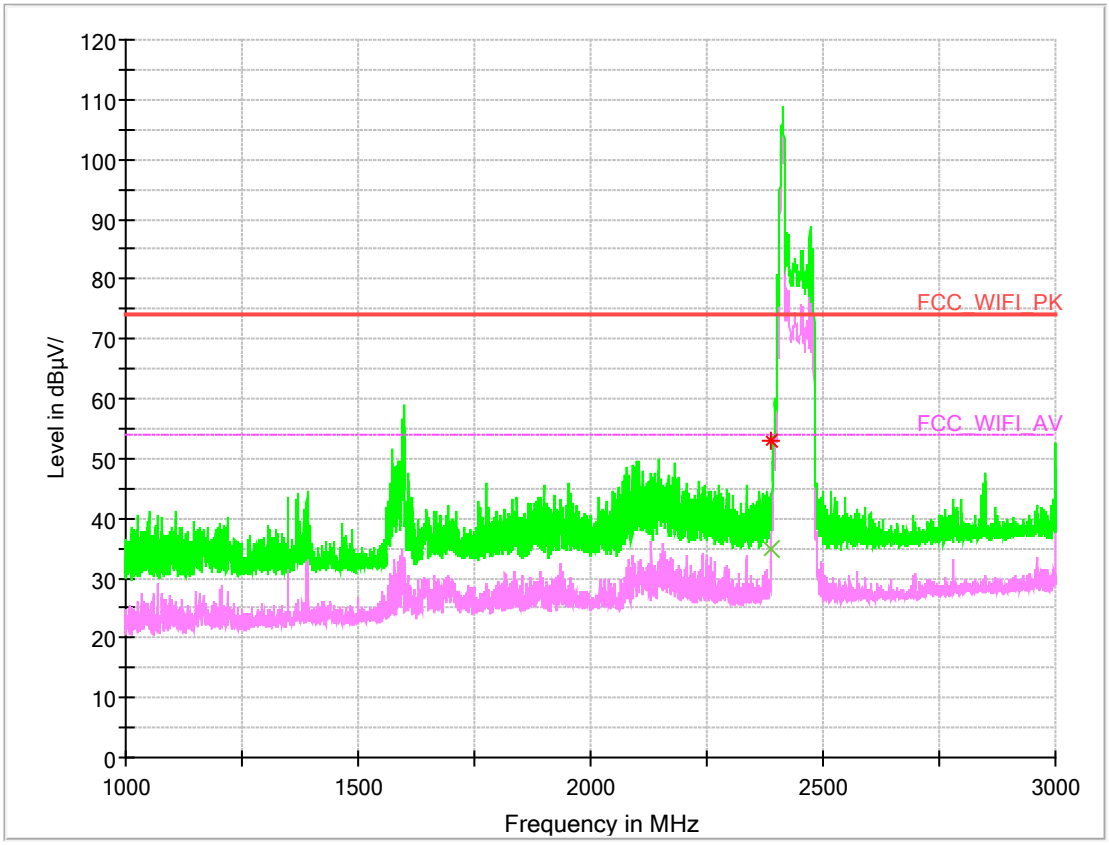
Note 1: The testing range of "1 GHz to 3 GHz" is for checking radiated emissions located in restricted bands near the EUT operating bands.

Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dBμV/m) and Average Limit (54 dBμV/m).

Note 3: The peak spike exceeds the limit line is EUT's operating frequency.

Test Mode: 11b

Channel 1@Ant1



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	52.83	---	74.00	-21.17	118.0	H	82.0	-7.8
2390.000000	---	35.02	54.00	-18.98	117.0	H	83.0	-7.8

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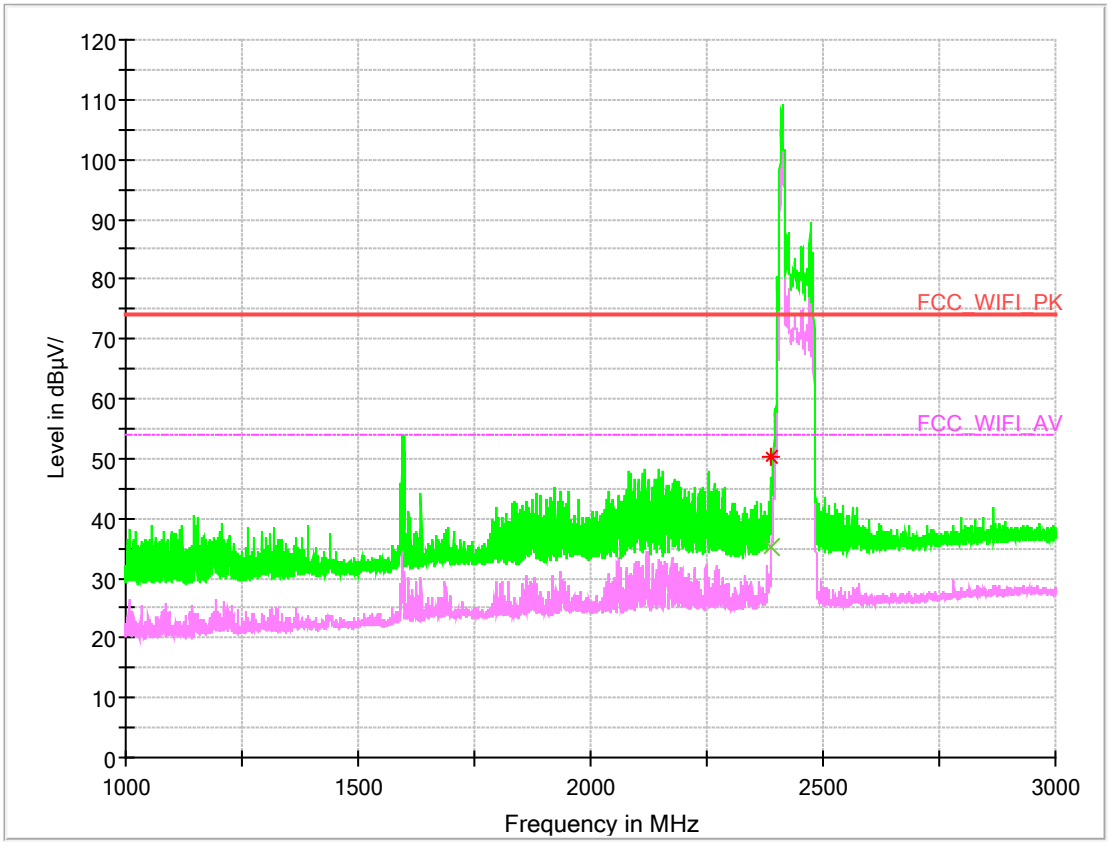
Channel 1@Ant2



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	50.13	---	74.00	-23.87	155.0	H	268.0	-7.9
2390.000000	---	35.14	54.00	-18.86	154.0	H	275.0	-7.8

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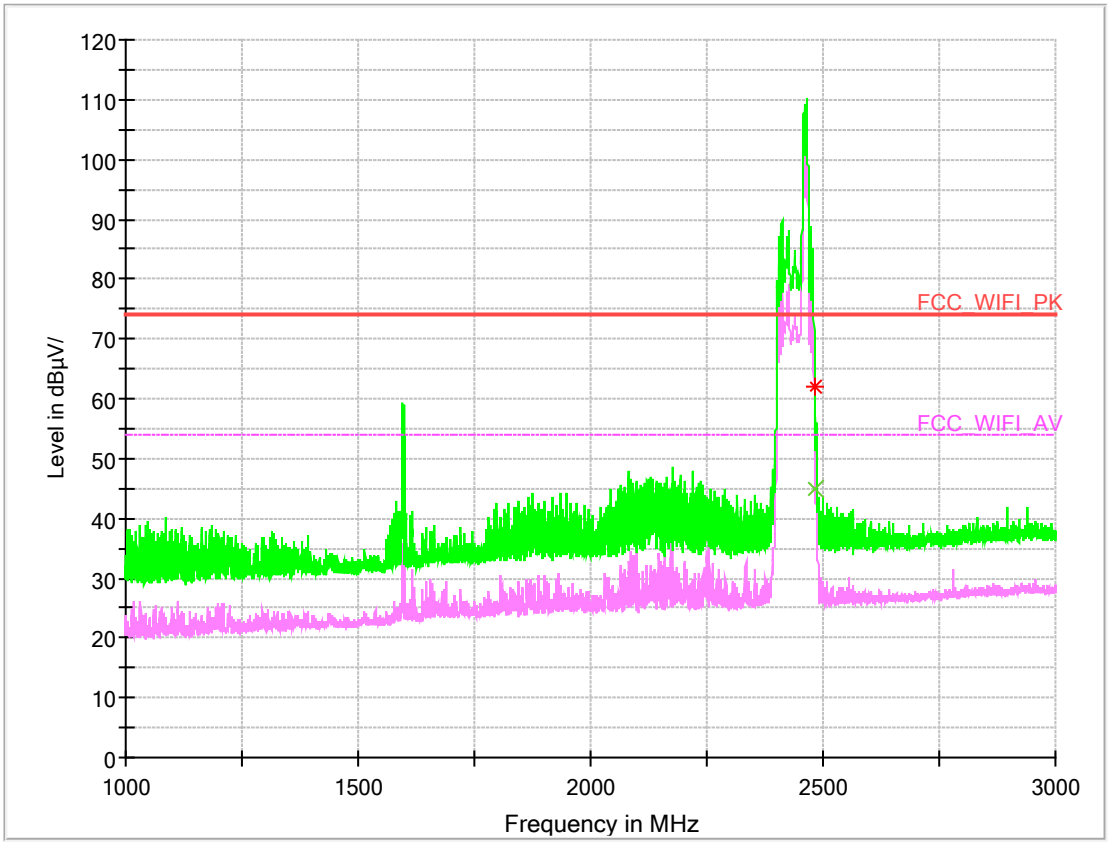
Channel 11@Ant1



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	---	44.95	54.00	-9.05	100.0	H	79.0	1.2
2483.500000	62.16	---	74.00	-11.84	100.0	H	80.0	1.1

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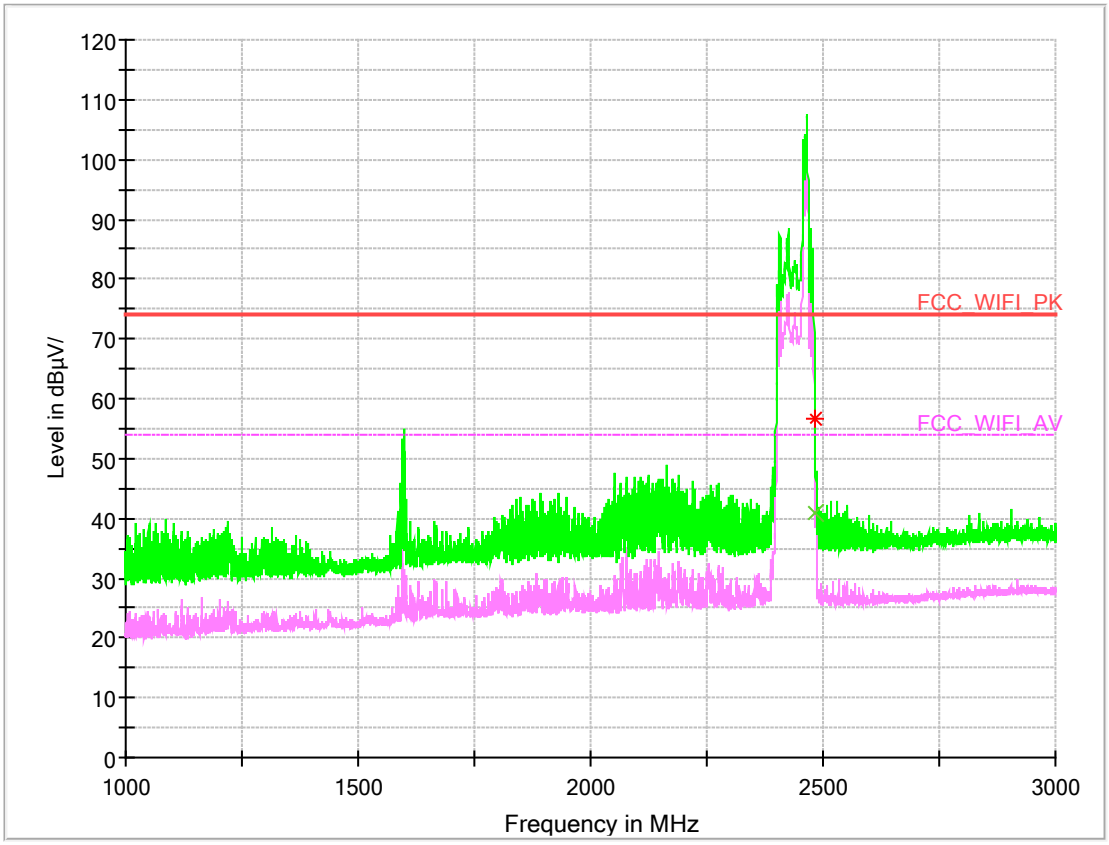
Channel 11@Ant2



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	---	41.04	54.00	-12.96	100.0	H	289.0	1.2
2483.500000	56.51	---	74.00	-17.49	100.0	H	294.0	1.1

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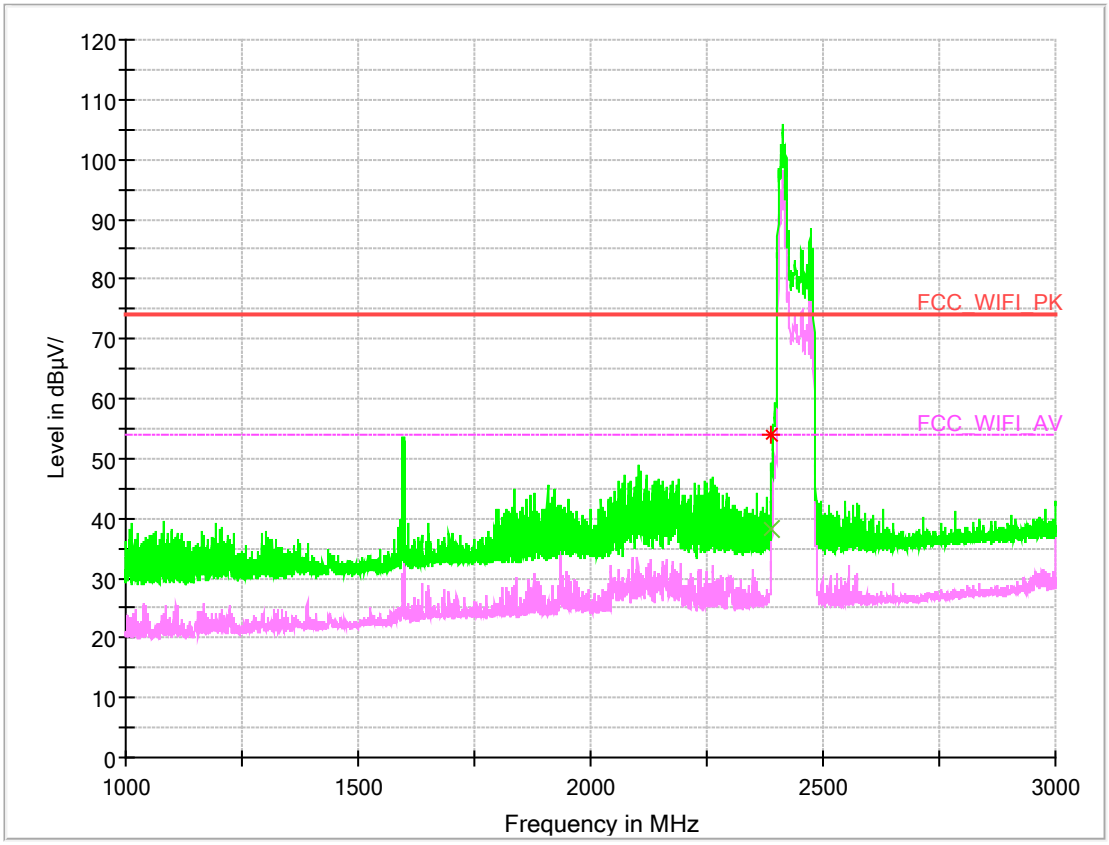
Test Mode: 11g

Channel 1@Ant1



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	---	38.37	54.00	-15.63	107.0	H	80.0	-7.8
2390.000000	54.05	---	74.00	-19.95	118.0	H	81.0	-7.8

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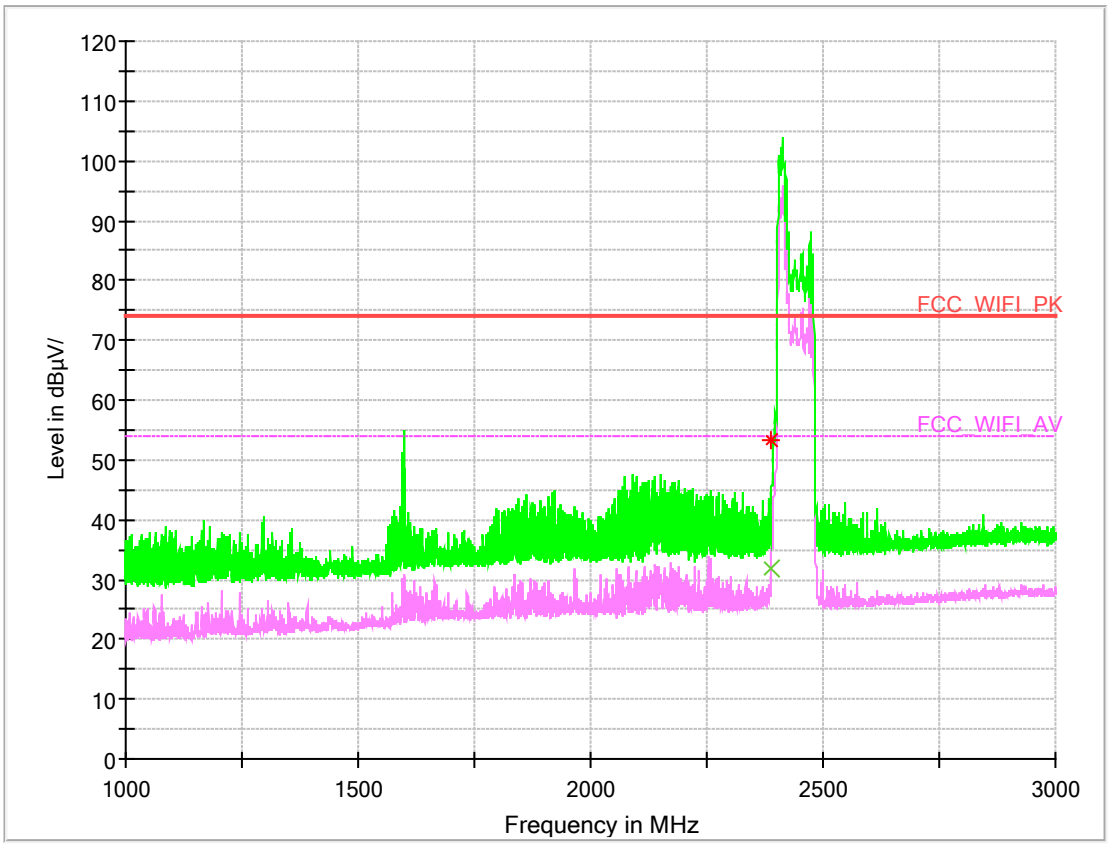
Channel 1@Ant2



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	53.34	---	74.00	-20.66	100.0	H	-10.0	-7.9
2390.000000	---	31.77	54.00	-22.23	172.0	H	-5.0	-7.8

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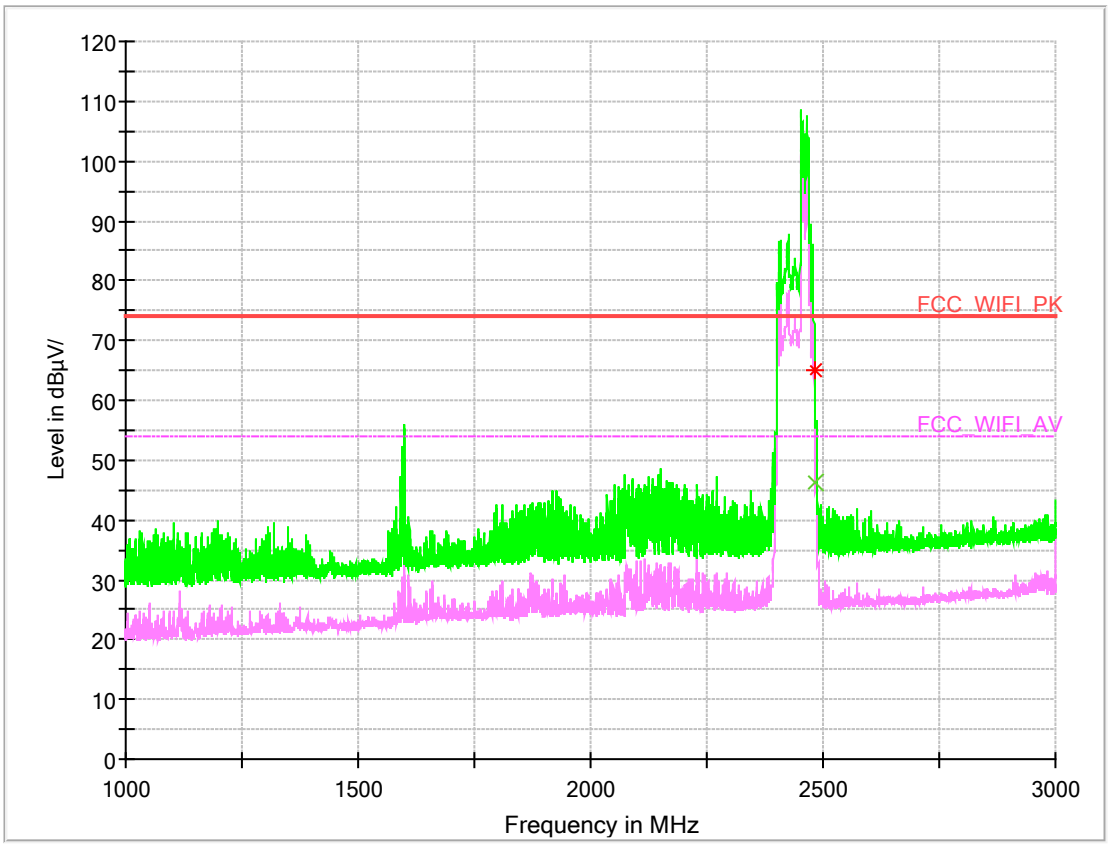
Channel 11@Ant1



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	65.08	---	74.00	-8.92	100.0	H	86.0	1.1
2483.500000	---	46.22	54.00	-7.78	100.0	H	81.0	0.6

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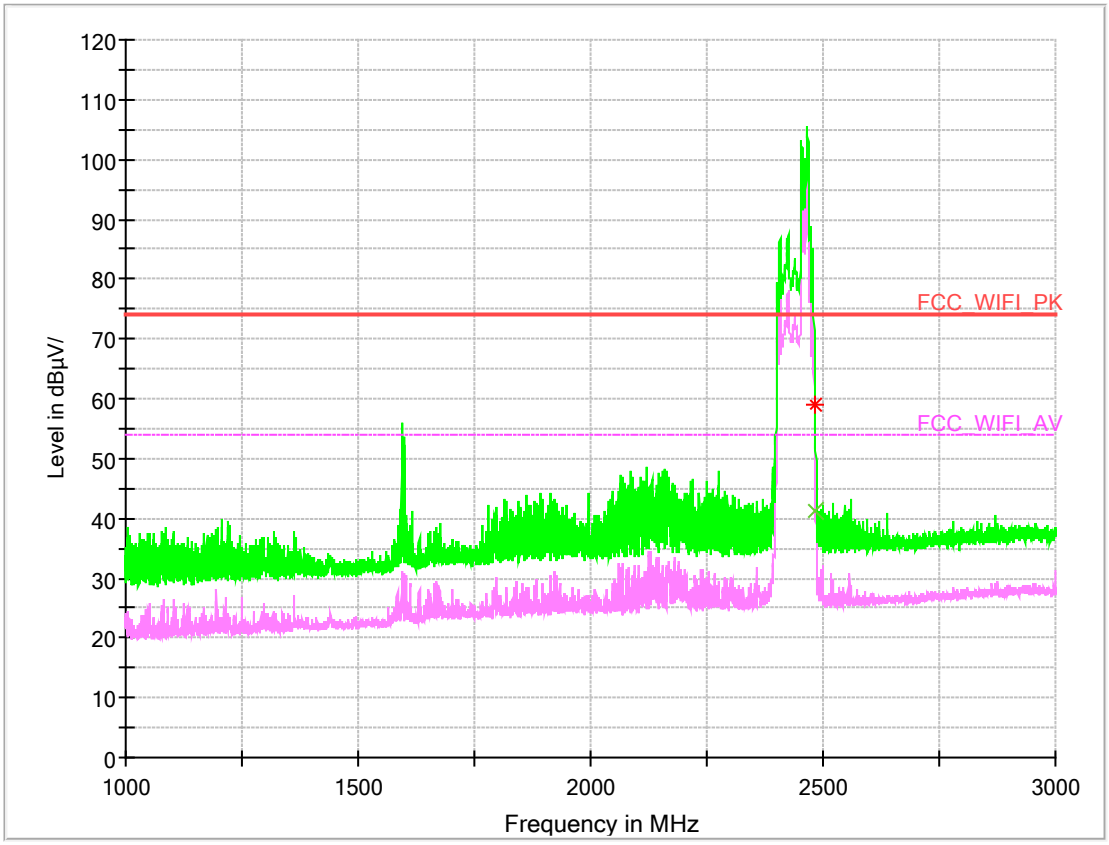
Channel 11@Ant2



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	---	41.07	54.00	-12.93	100.0	H	291.0	1.1
2483.500000	59.01	---	74.00	-14.99	149.0	H	288.0	1.0

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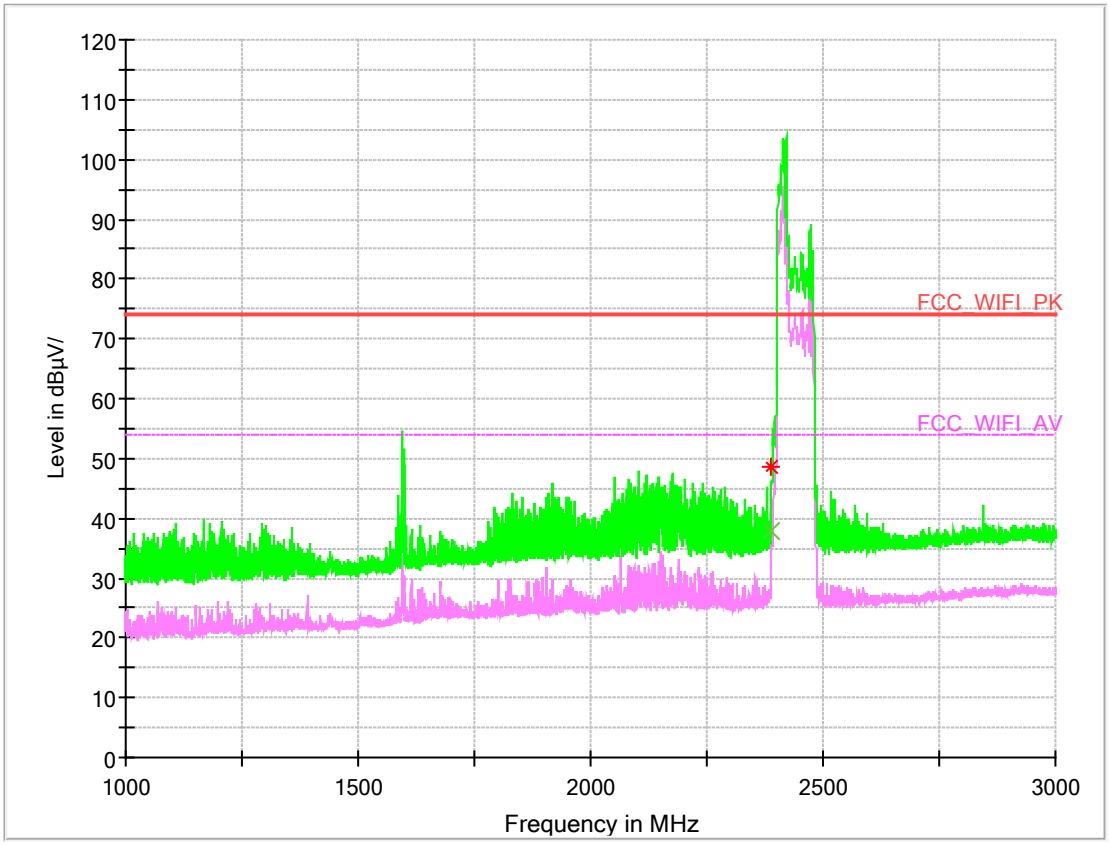
Test Mode: 11N20SISO

Channel 1@Ant1



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	---	38.02	54.00	-15.98	106.0	H	81.0	-7.8
2390.000000	48.57	---	74.00	-25.43	179.0	V	159.0	-7.8

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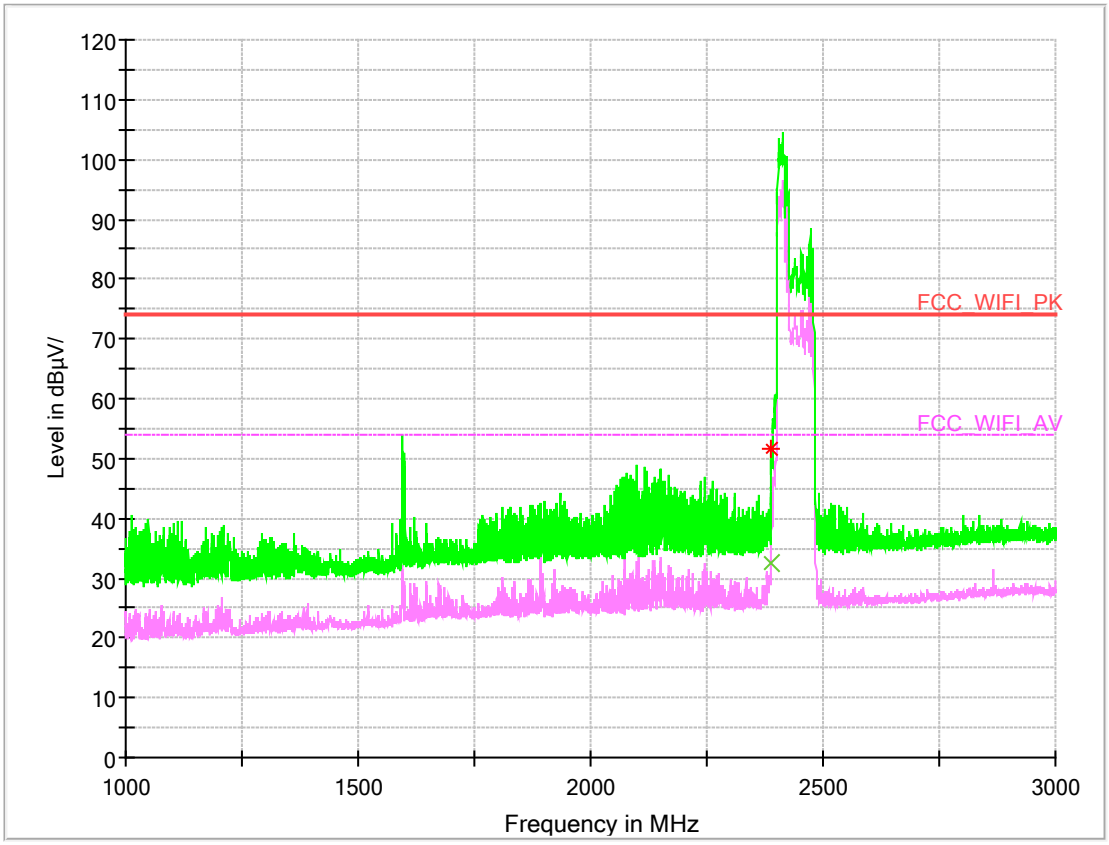
Channel 1@Ant2



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	51.67	---	74.00	-22.33	100.0	H	172.0	-7.8
2390.000000	---	32.54	54.00	-21.46	100.0	H	166.0	-7.8

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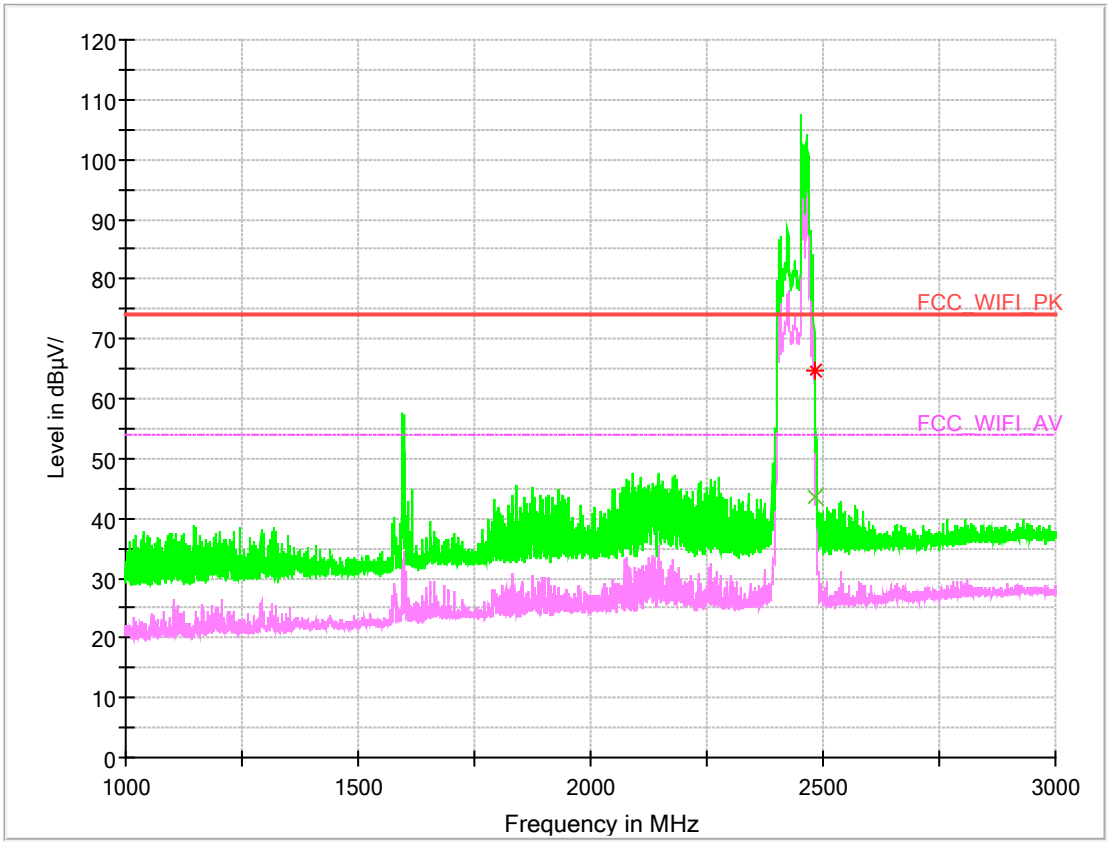
Channel 11@Ant1



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	---	43.71	54.00	-10.29	100.0	H	80.0	0.7
2483.500000	64.86	---	74.00	-9.14	118.0	H	85.0	0.4

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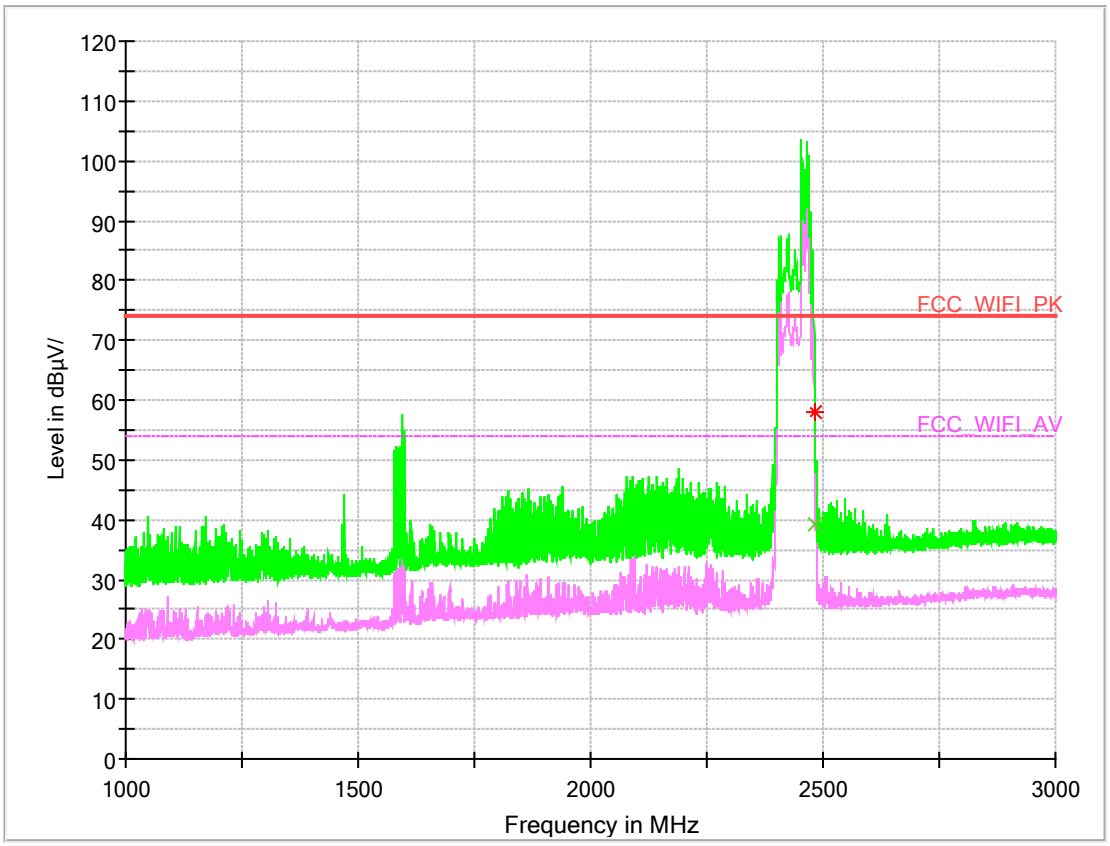
Channel 11@Ant2



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	58.00	---	74.00	-16.00	100.0	H	293.0	0.7
2483.500000	---	39.25	54.00	-14.75	149.0	H	288.0	0.6

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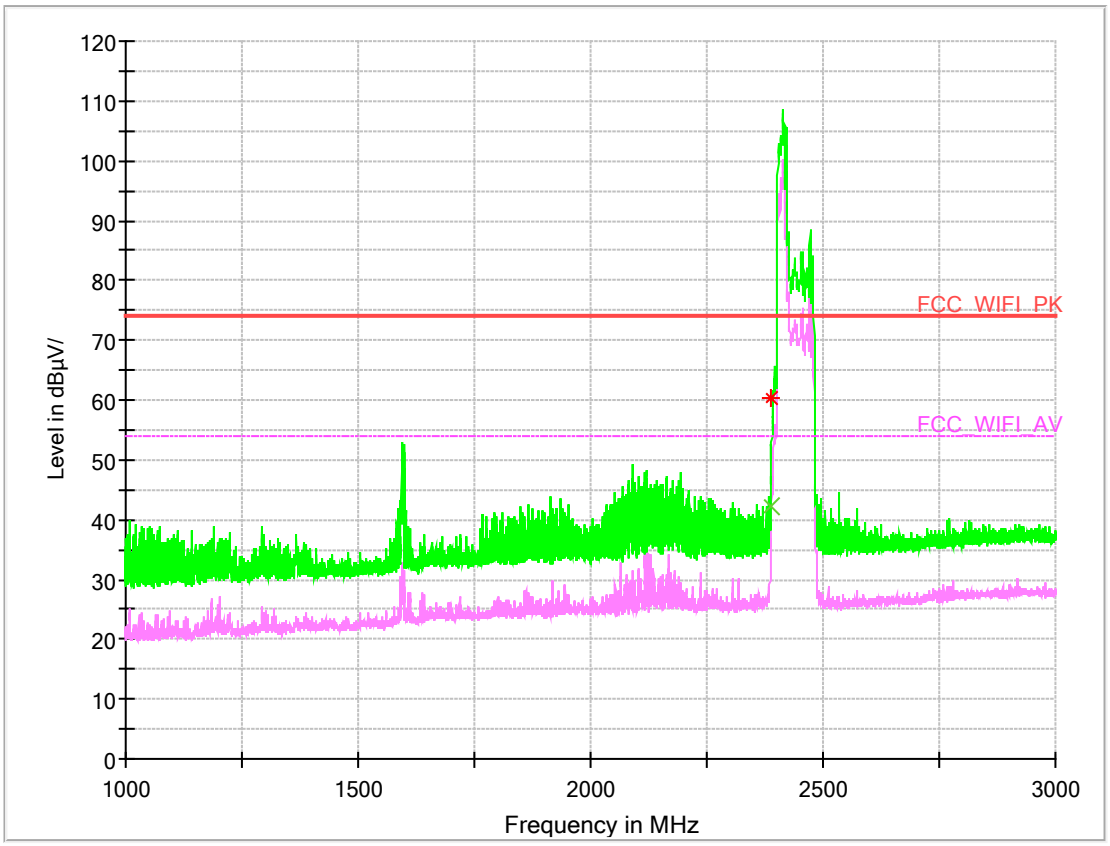
Test Mode: 11N20MIMO

Channel 1



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	60.29	---	74.00	-13.71	100.0	H	76.0	-7.8
2390.000000	---	42.36	54.00	-11.64	100.0	H	76.0	-7.8

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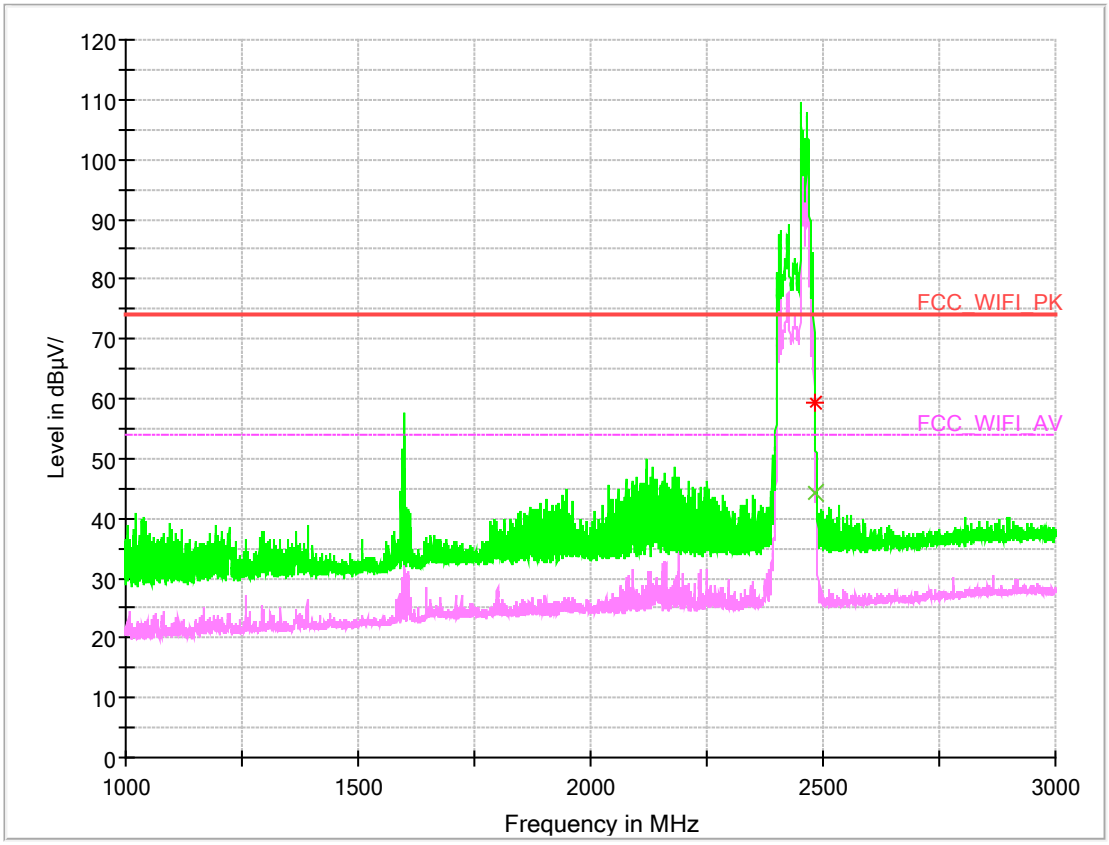
Channel 11



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	59.40	---	74.00	-14.60	100.0	H	75.0	0.6
2483.500000	---	44.14	54.00	-9.86	100.0	H	75.0	-0.1

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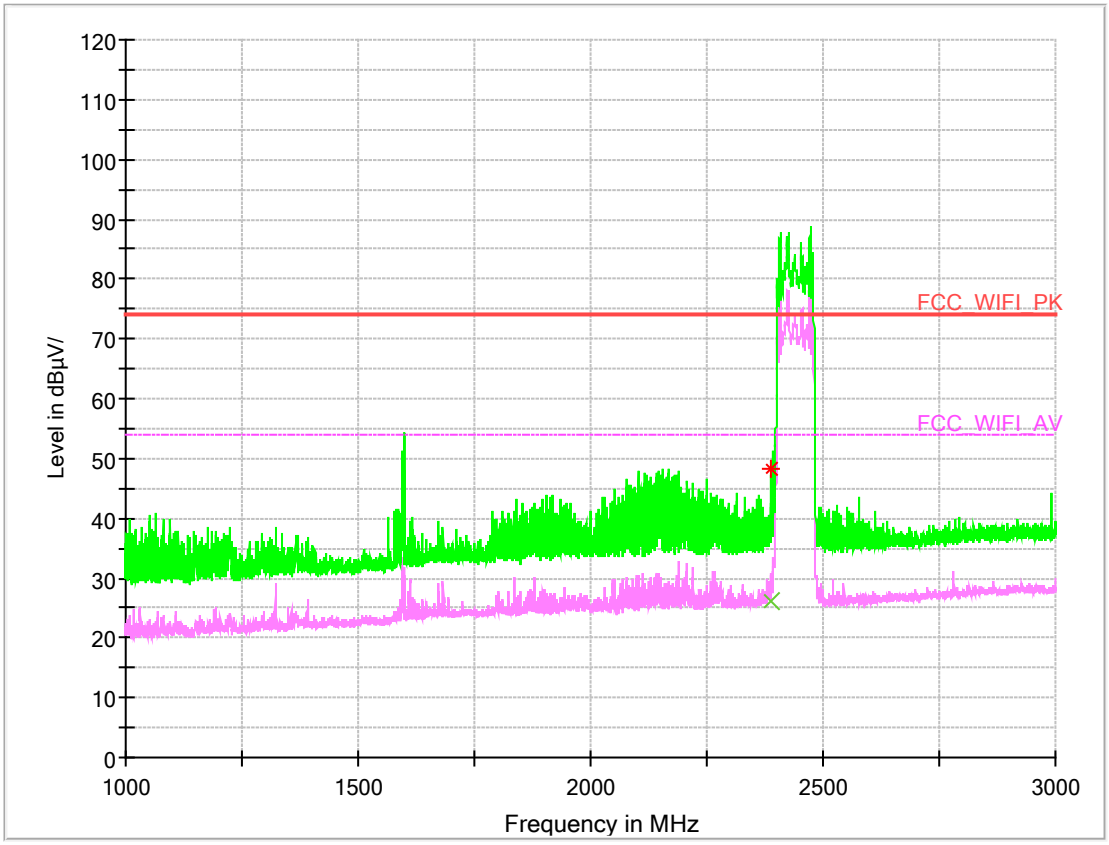
Test Mode: 11N40SISO

Channel 3@Ant1



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	48.27	---	74.00	-25.73	180.0	H	197.0	-7.9
2390.000000	---	26.04	54.00	-27.96	100.0	V	25.0	-7.8

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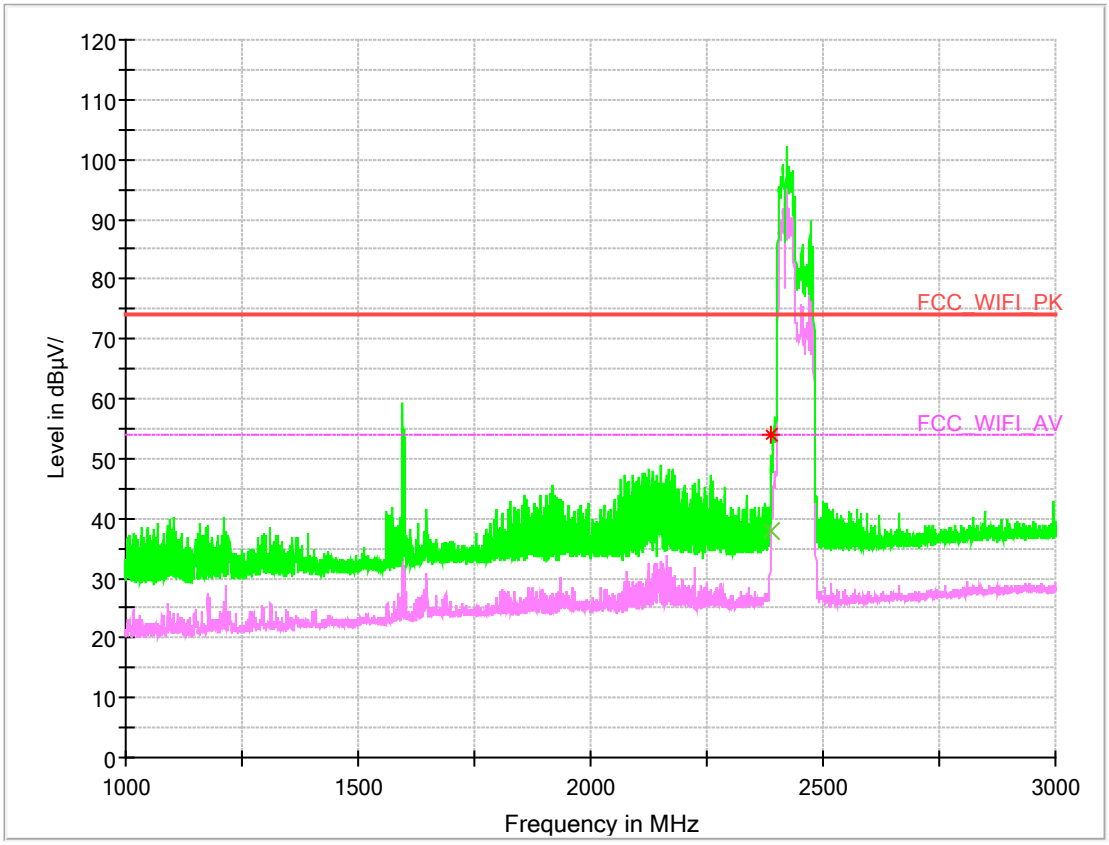
Channel 3@Ant2



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	---	37.72	54.00	-16.28	100.0	H	294.0	-7.9
2390.000000	53.88	---	74.00	-20.12	100.0	H	294.0	-7.8

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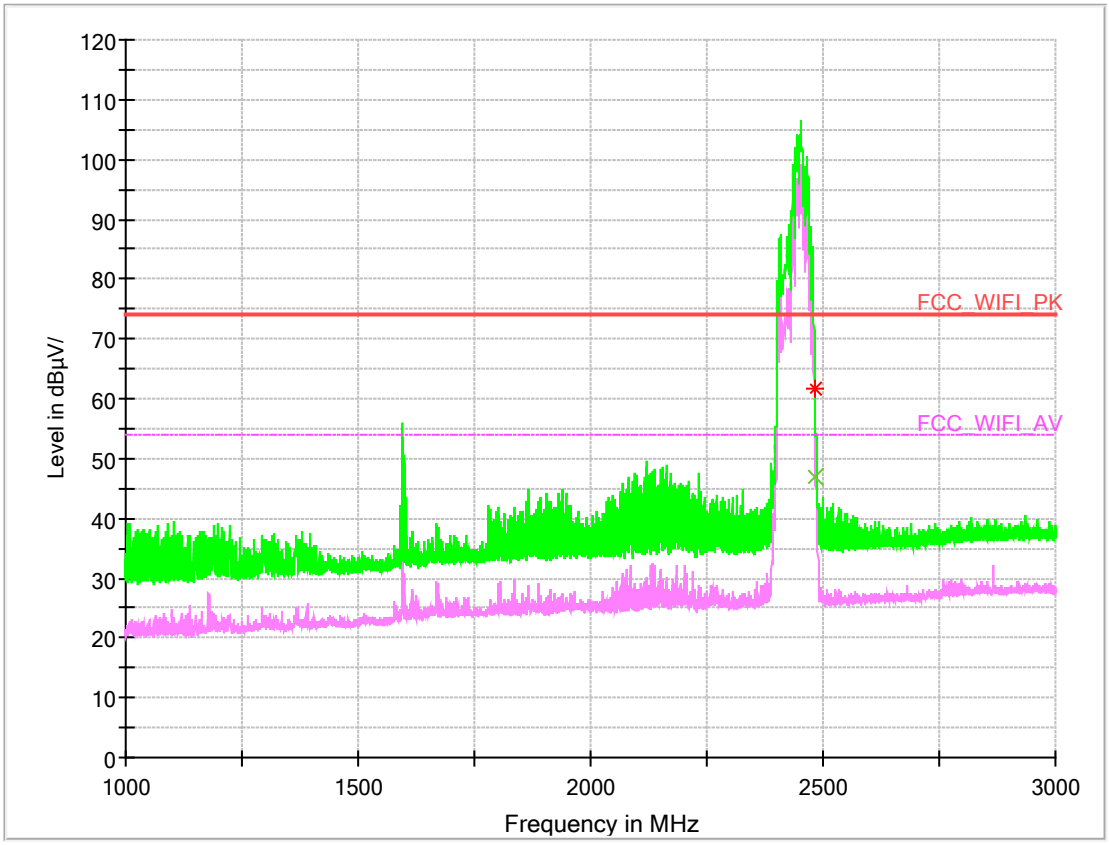
Channel 9@Ant1



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	61.65	---	74.00	-12.35	100.0	H	76.0	0.5
2483.500000	---	46.84	54.00	-7.16	100.0	H	77.0	0.1

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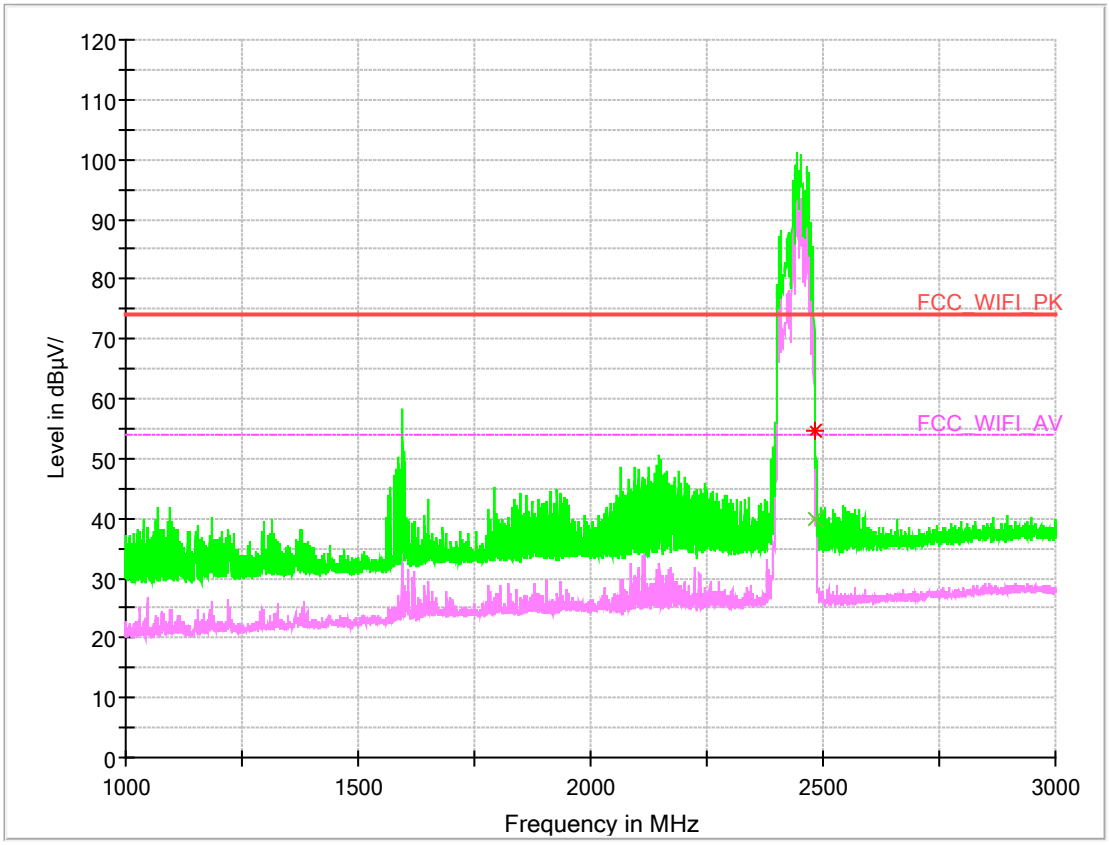
Channel 9@Ant2



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	54.54	---	74.00	-19.46	142.0	H	267.0	0.9
2483.500000	---	39.97	54.00	-14.03	143.0	H	273.0	0.4

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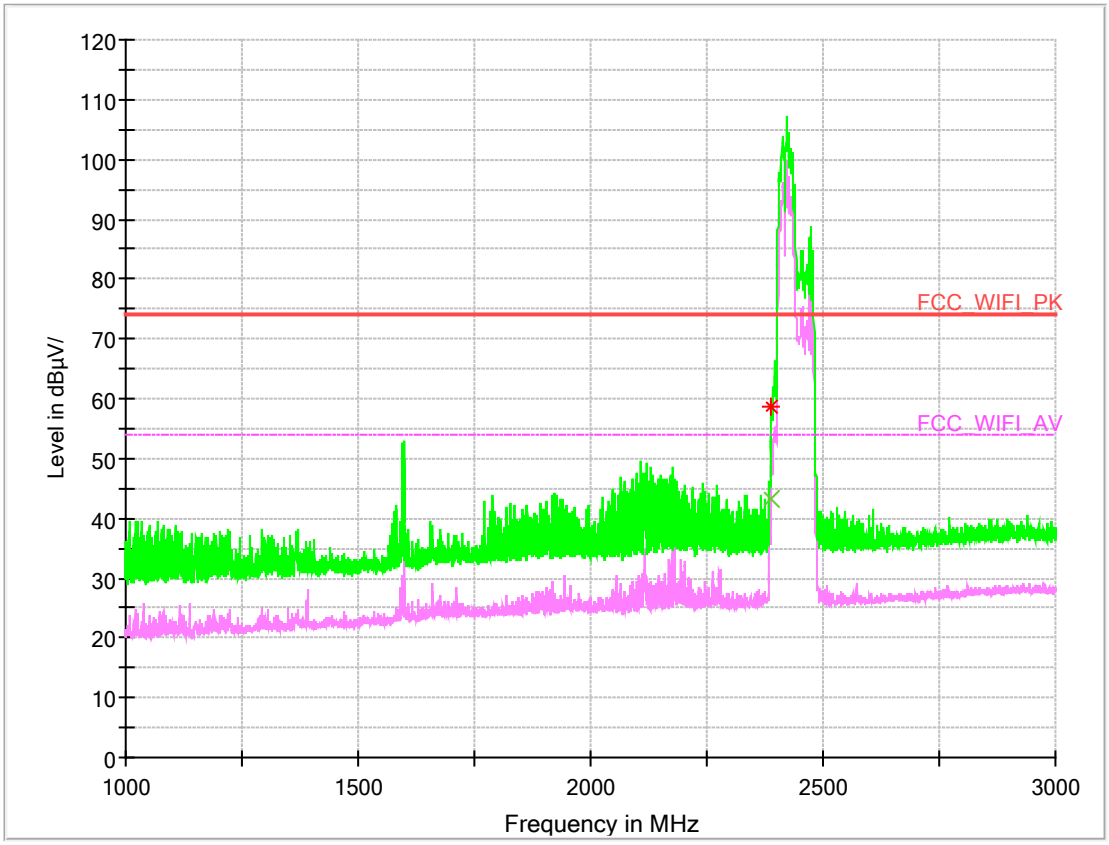
Test Mode: 11N40MIMO

Channel 3



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	---	43.10	54.00	-10.90	118.0	H	46.0	-7.9
2390.000000	58.78	---	74.00	-15.22	100.0	H	15.0	-7.8

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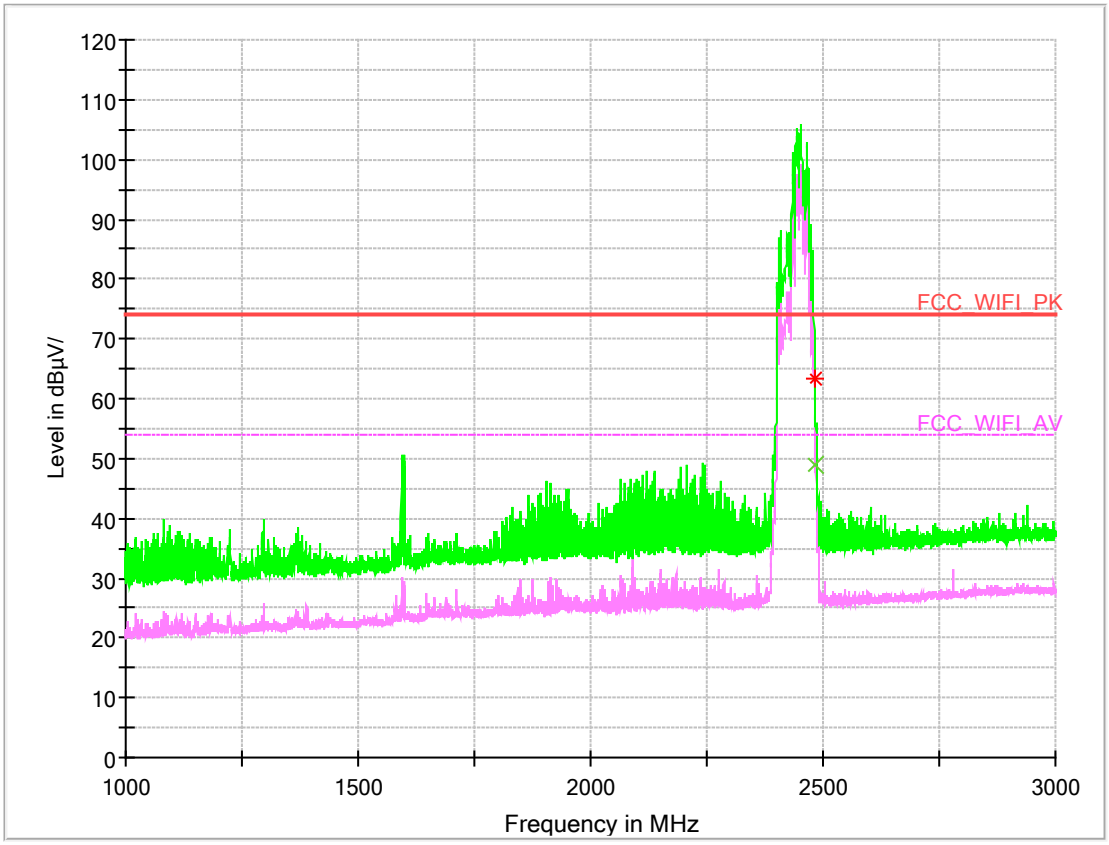
Channel 9



Note: The peak exceeds the limit line is carrier frequency.

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	---	48.97	54.00	-5.03	100.0	H	64.0	1.0
2483.500000	63.26	---	74.00	-10.74	100.0	H	76.0	0.6

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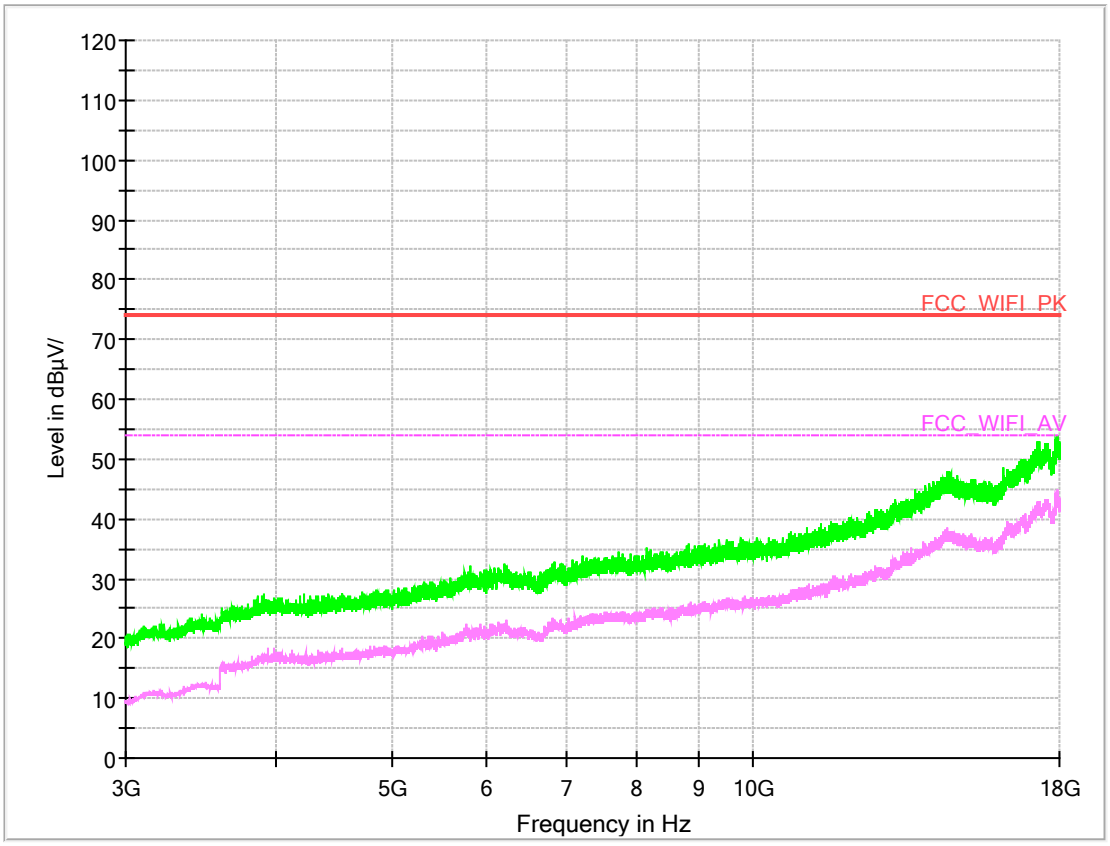
Part 5: Testing Range of "3 GHz to 18 GHz"

Note 1: The test results and plot for testing range of "3 GHz to 18 GHz" showed as below is **the WORST case for all Test Modes and Channels**. This range will not be presented for each Test Mode and each Channel.

Note 2: The testing range of "3 GHz to 18 GHz" is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.

Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dBµV/m) and Average Limit (54 dBµV/m).



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Appendix I: Conducted Emission at Power Port

Note: RBW =9 kHz, VBW = 30 kHz

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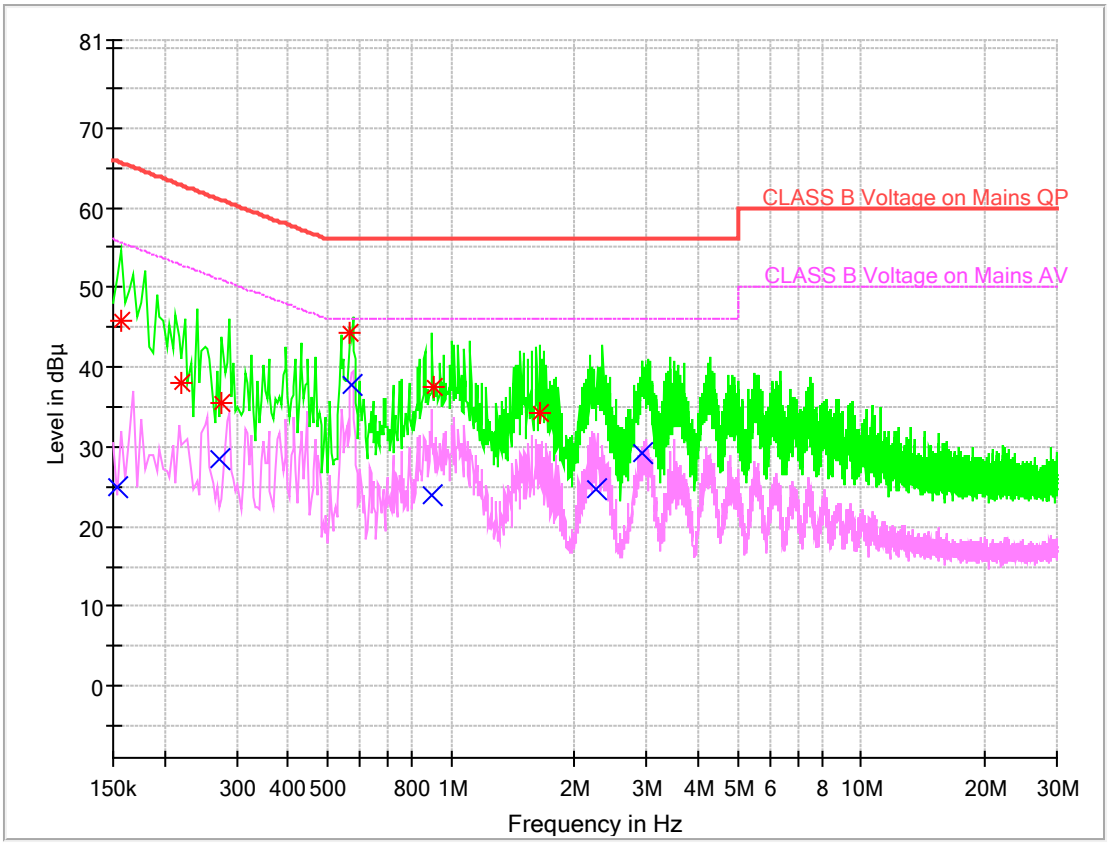
Channel 6



Frequency	QuasiPeak	Average	Limit	Margin	Corr.	Line	Filter
0.152637	---	24.87	55.86	-30.99	9.7	L1	ON
0.156780	45.81	---	65.63	-19.82	9.7	L1	ON
0.220387	37.97	---	62.80	-24.83	9.7	N	ON
0.272578	---	28.53	51.04	-22.51	9.7	N	ON
0.275514	35.41	---	60.95	-25.54	9.7	N	ON
0.567579	44.20	---	56.00	-11.80	9.7	N	ON
0.574491	---	37.73	46.00	-8.27	9.7	N	ON
0.898923	---	24.04	46.00	-21.96	9.7	L1	ON
0.912281	37.41	---	56.00	-18.59	9.7	L1	ON
1.639965	34.16	---	56.00	-21.84	9.7	N	ON
2.256265	---	24.66	46.00	-21.34	9.8	L1	ON
2.935243	---	29.19	46.00	-16.81	9.8	L1	ON

END

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