



Appendix for Testreport

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

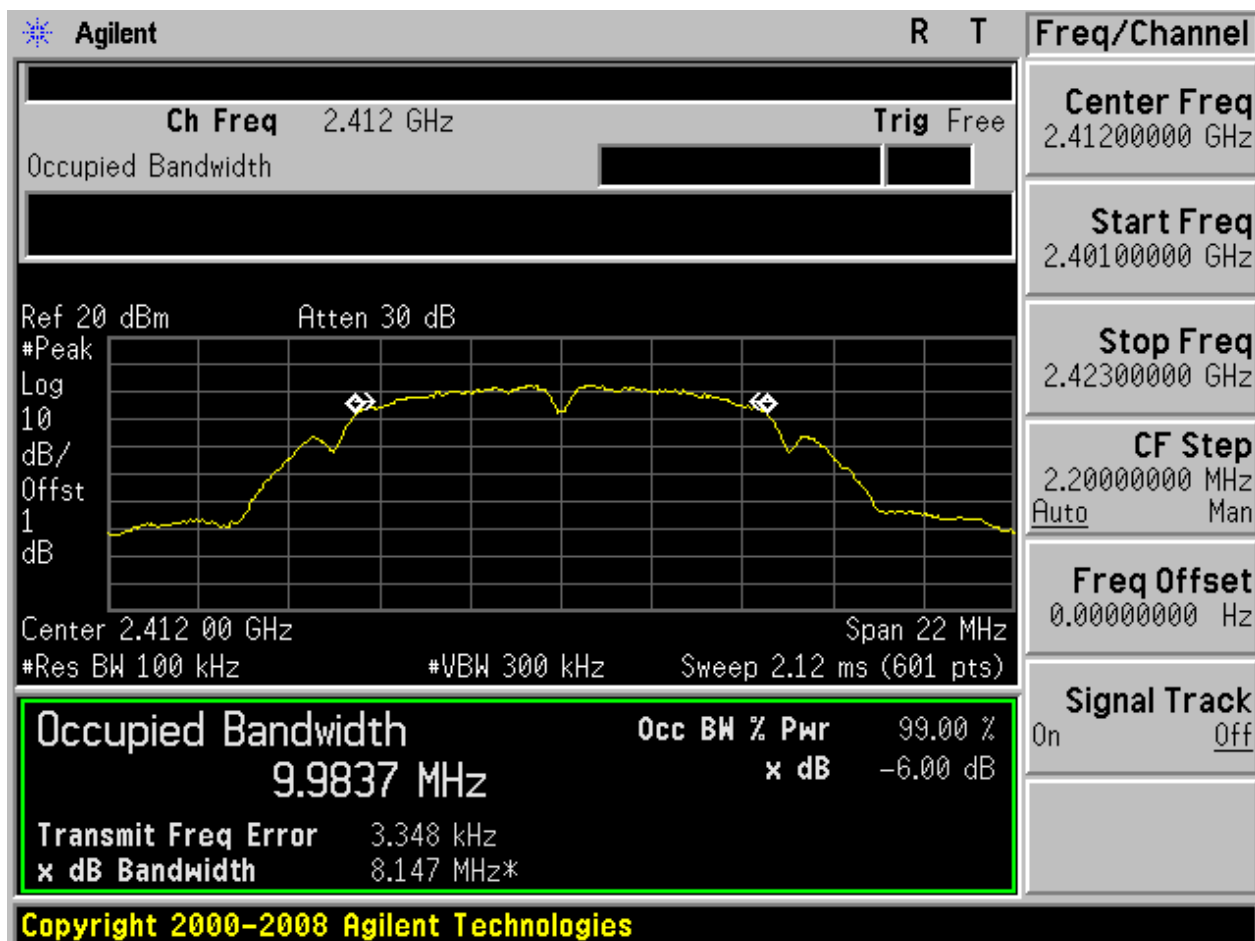
Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11B	L	2412	Ant 1	8.15	pass
11B	L	2412	Ant 2	8.01	pass
11B	M	2437	Ant 1	8.23	pass
11B	M	2437	Ant 2	8.09	pass
11B	H	2462	Ant 1	8.04	pass
11B	H	2462	Ant 2	8.03	pass
11G	L	2412	Ant 2	16.56	pass
11G	L	2412	Ant 1	16.56	pass
11G	M	2437	Ant 2	16.55	pass
11G	M	2437	Ant 1	16.56	pass
11G	H	2462	Ant 2	16.56	pass
11G	H	2462	Ant 1	16.56	pass
11N20	L	2412	Ant 1	17.80	pass
11N20	L	2412	Ant 2	17.80	pass
11N20	M	2437	Ant 1	17.78	pass
11N20	M	2437	Ant 2	17.80	pass
11N20	H	2462	Ant 1	17.78	pass
11N20	H	2462	Ant 2	17.79	pass
11N40	L	2422	Ant 1	36.41	pass
11N40	L	2422	Ant 2	35.68	pass
11N40	M	2437	Ant 1	36.45	pass
11N40	M	2437	Ant 2	36.46	pass
11N40	H	2452	Ant 1	36.48	pass
11N40	H	2452	Ant 2	36.50	pass
11N40m	L	2422	Ant 2	36.36	pass
11N40m	L	2422	Ant 1	36.38	pass
11N40m	M	2437	Ant 2	36.43	pass
11N40m	M	2437	Ant 1	36.35	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11N40m	H	2452	Ant 2	36.44	pass
11N40m	H	2452	Ant 1	36.47	pass
11N20m	L	2412	Ant 1	17.78	pass
11N20m	L	2412	Ant 2	17.80	pass
11N20m	M	2437	Ant 1	17.76	pass
11N20m	M	2437	Ant 2	17.77	pass
11N20m	H	2462	Ant 1	17.78	pass
11N20m	H	2462	Ant 2	17.80	pass



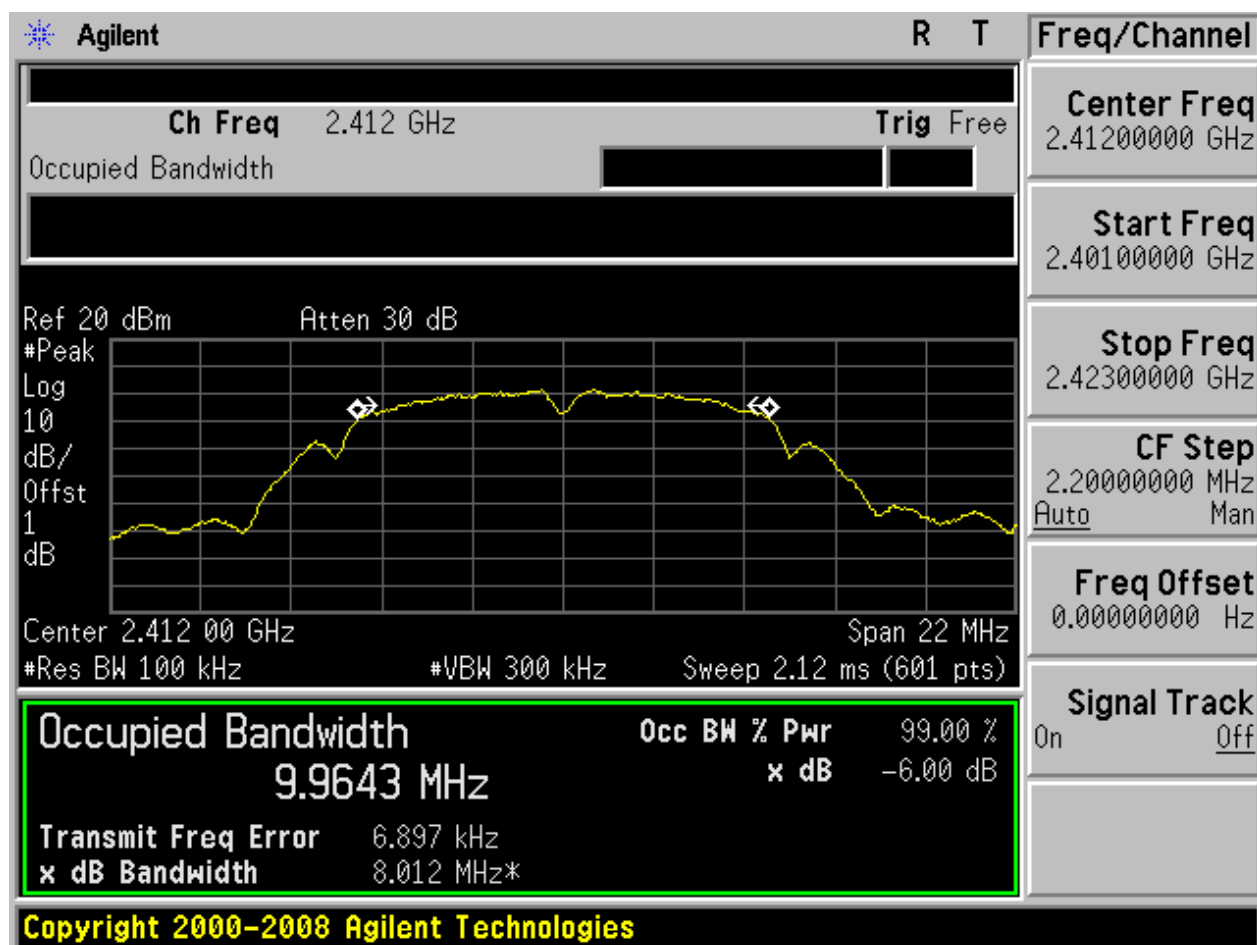
Part II - Test Plots

2.1 11B_L@Ant 1



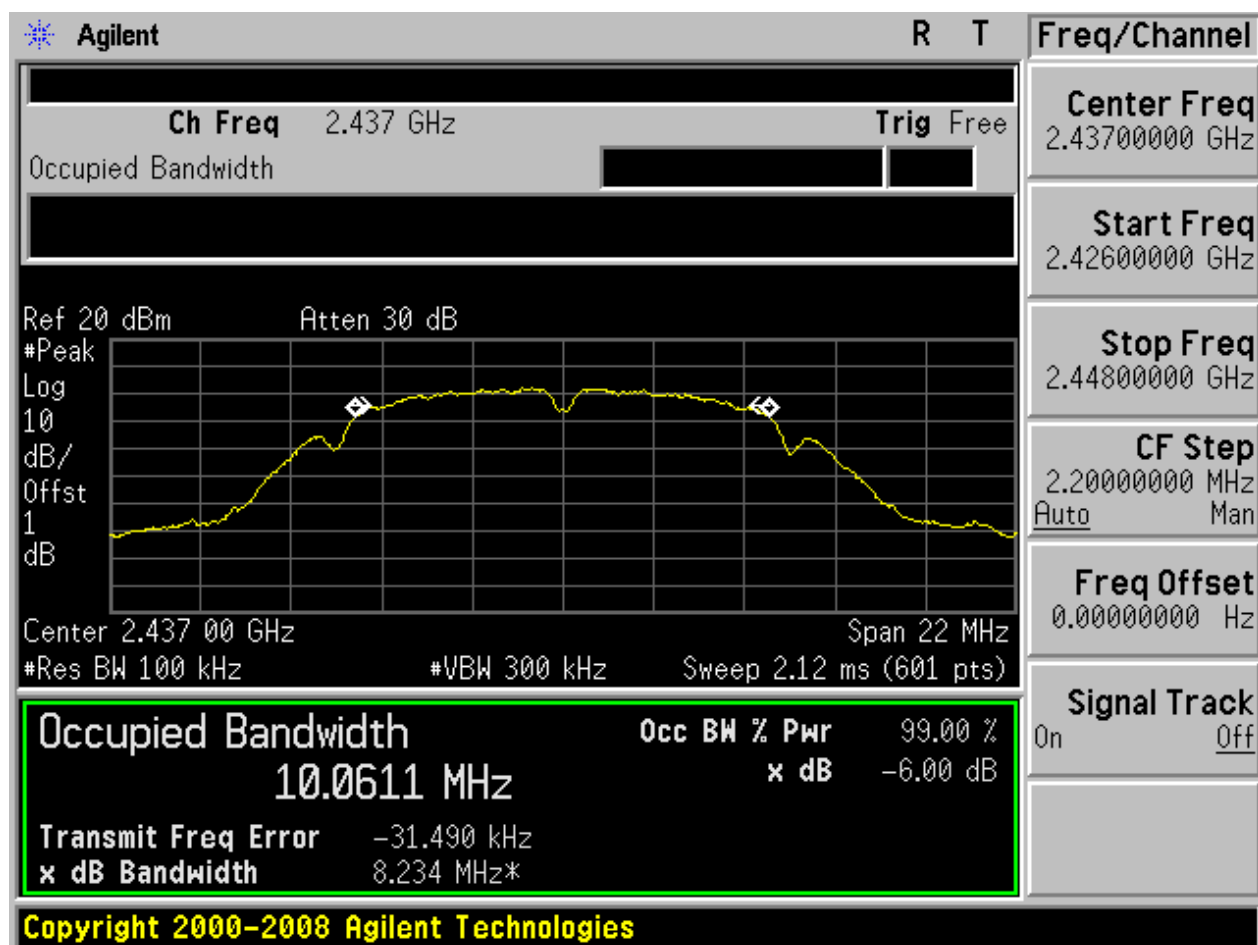


2.2 11B_L@Ant 2



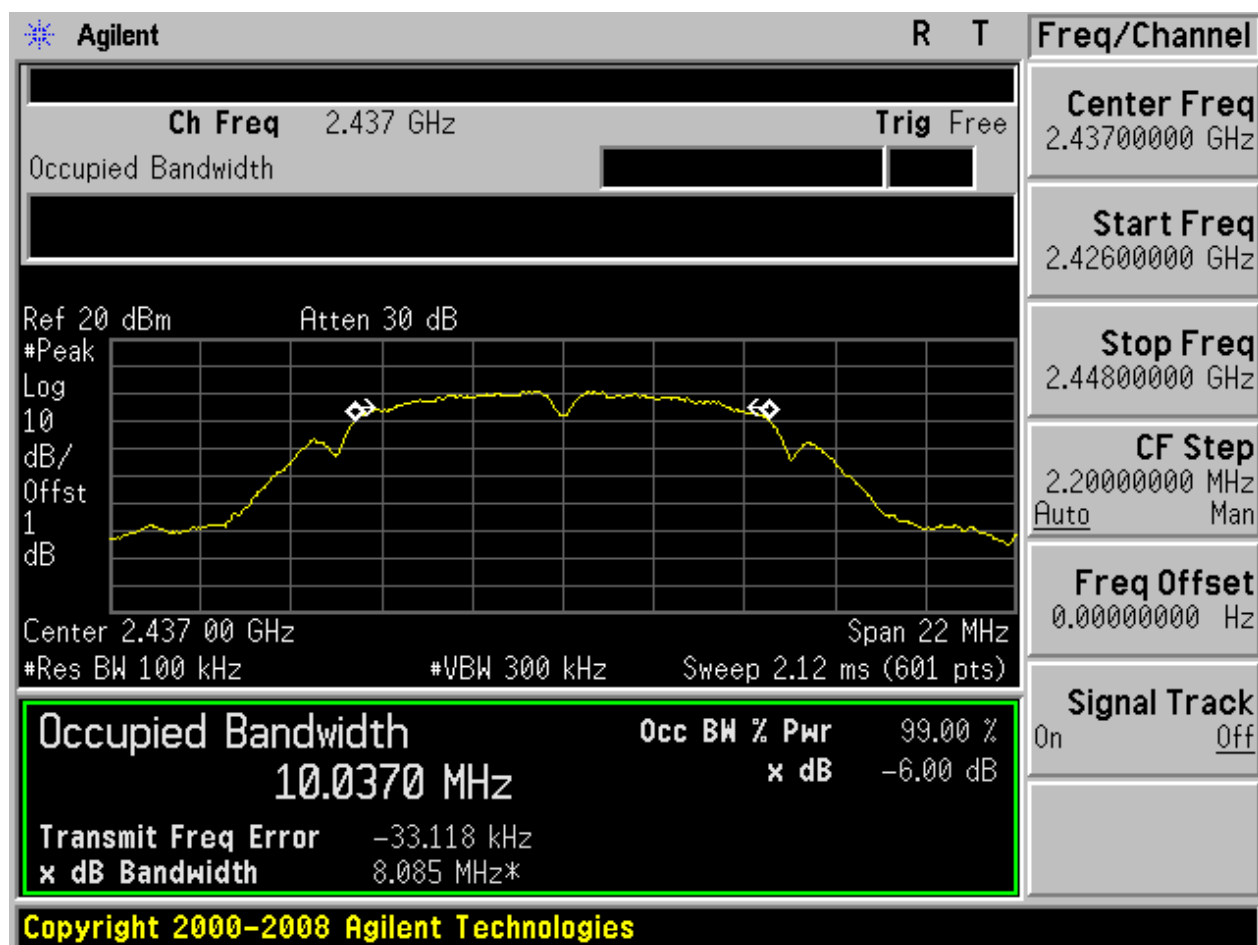


2.3 11B_M@Ant 1



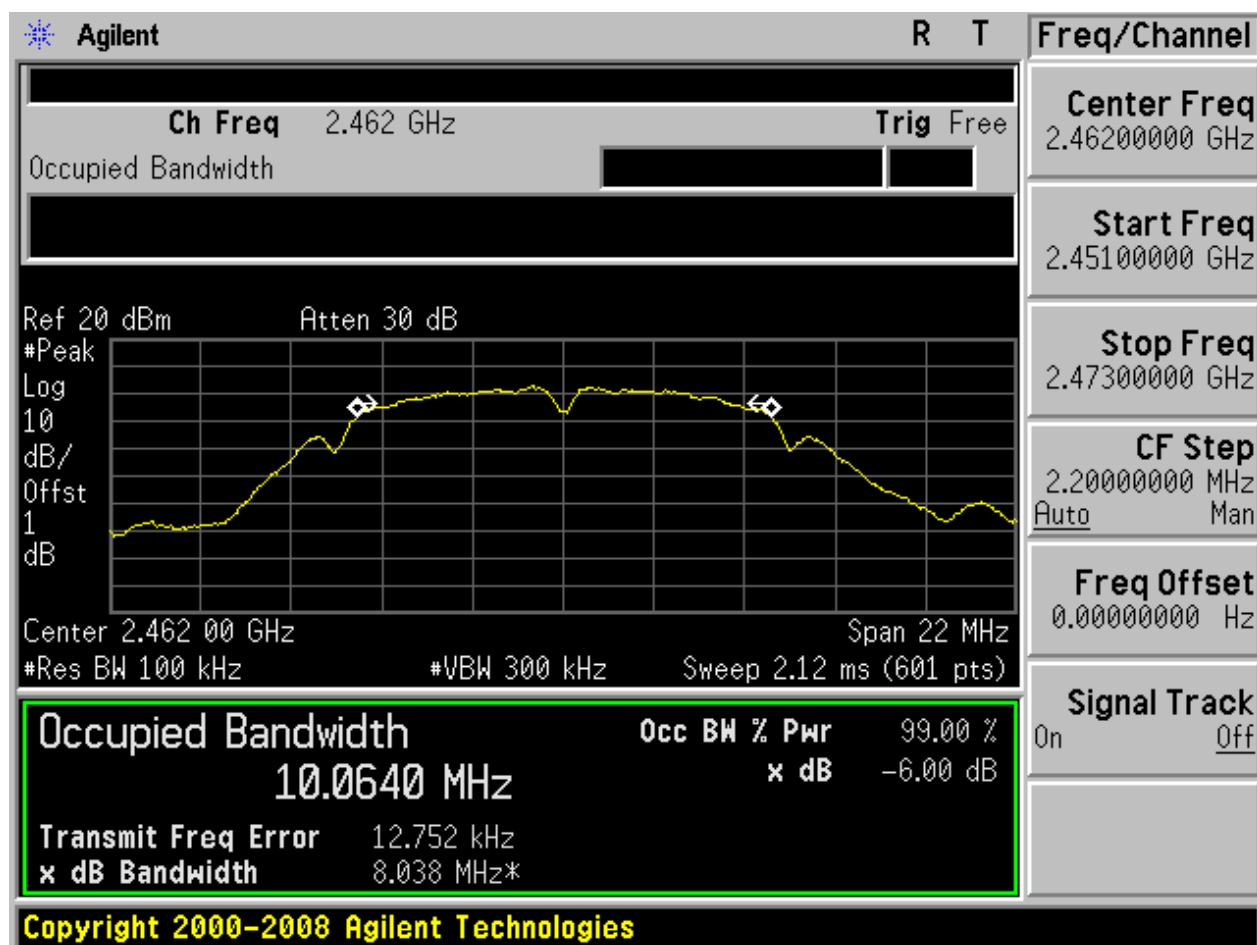


2.4 11B_M@Ant 2



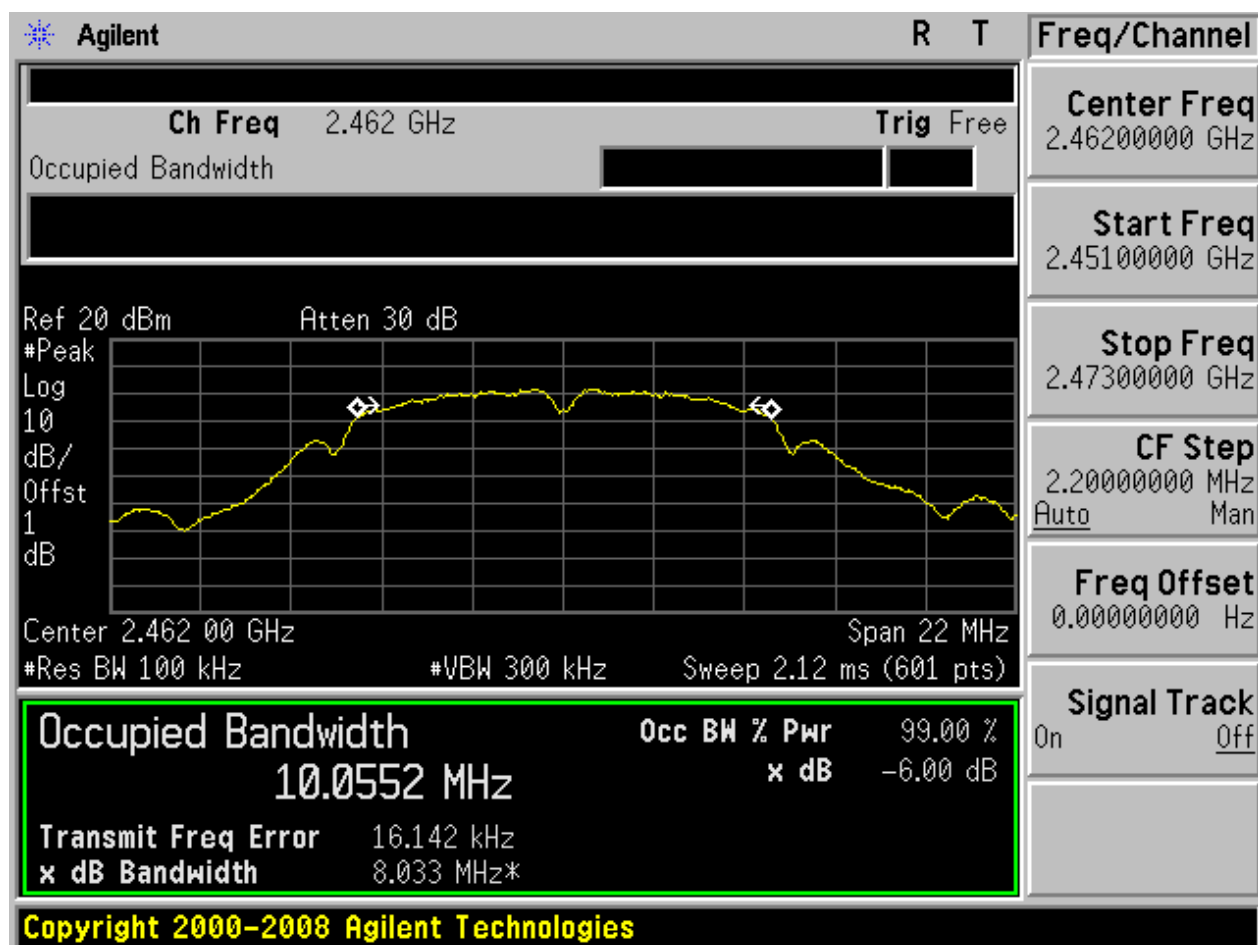


2.5 11B_H@Ant 1



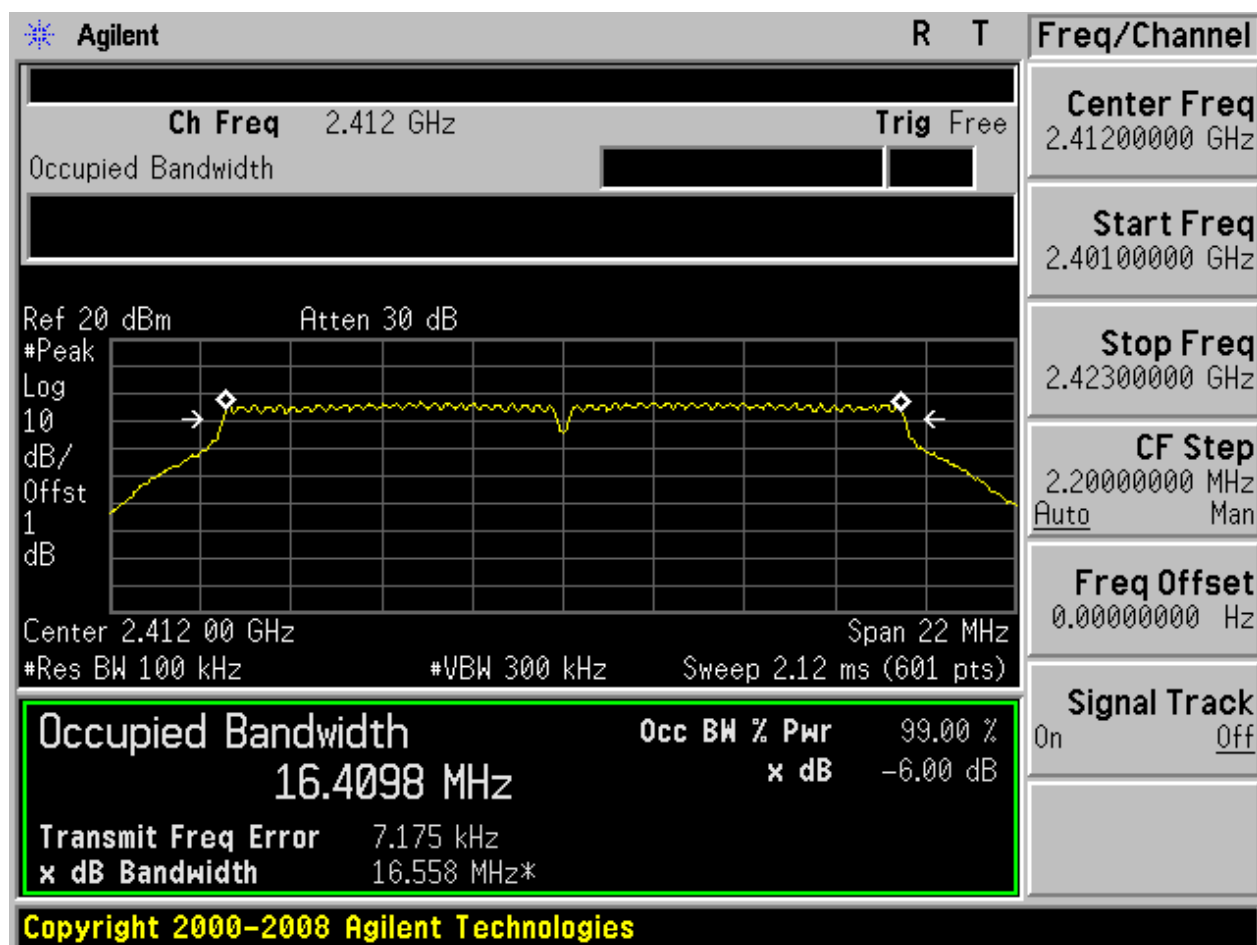


2.6 11B_H@Ant 2



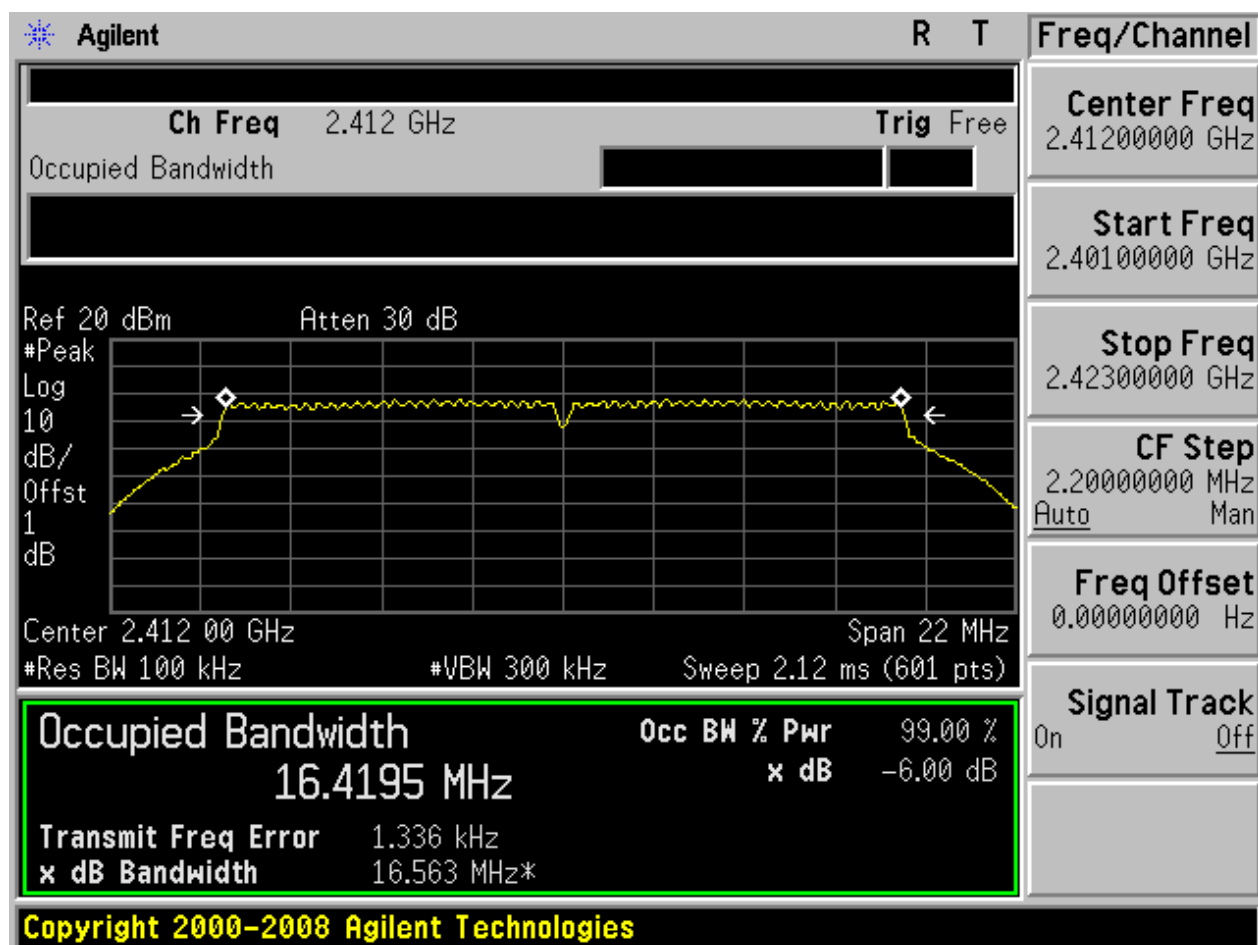


2.8 11G_L@Ant 2



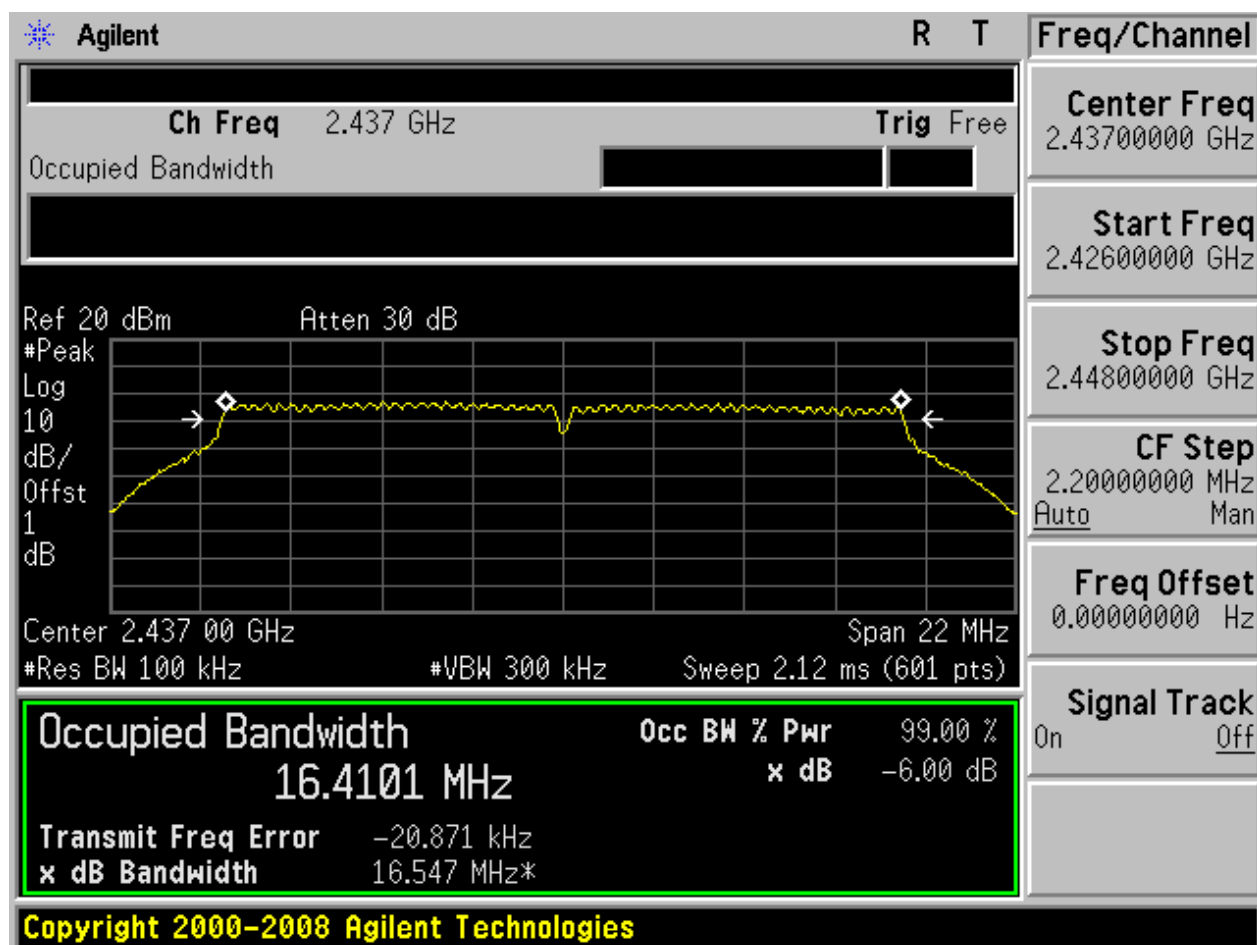


2.7 11G_L@Ant 1



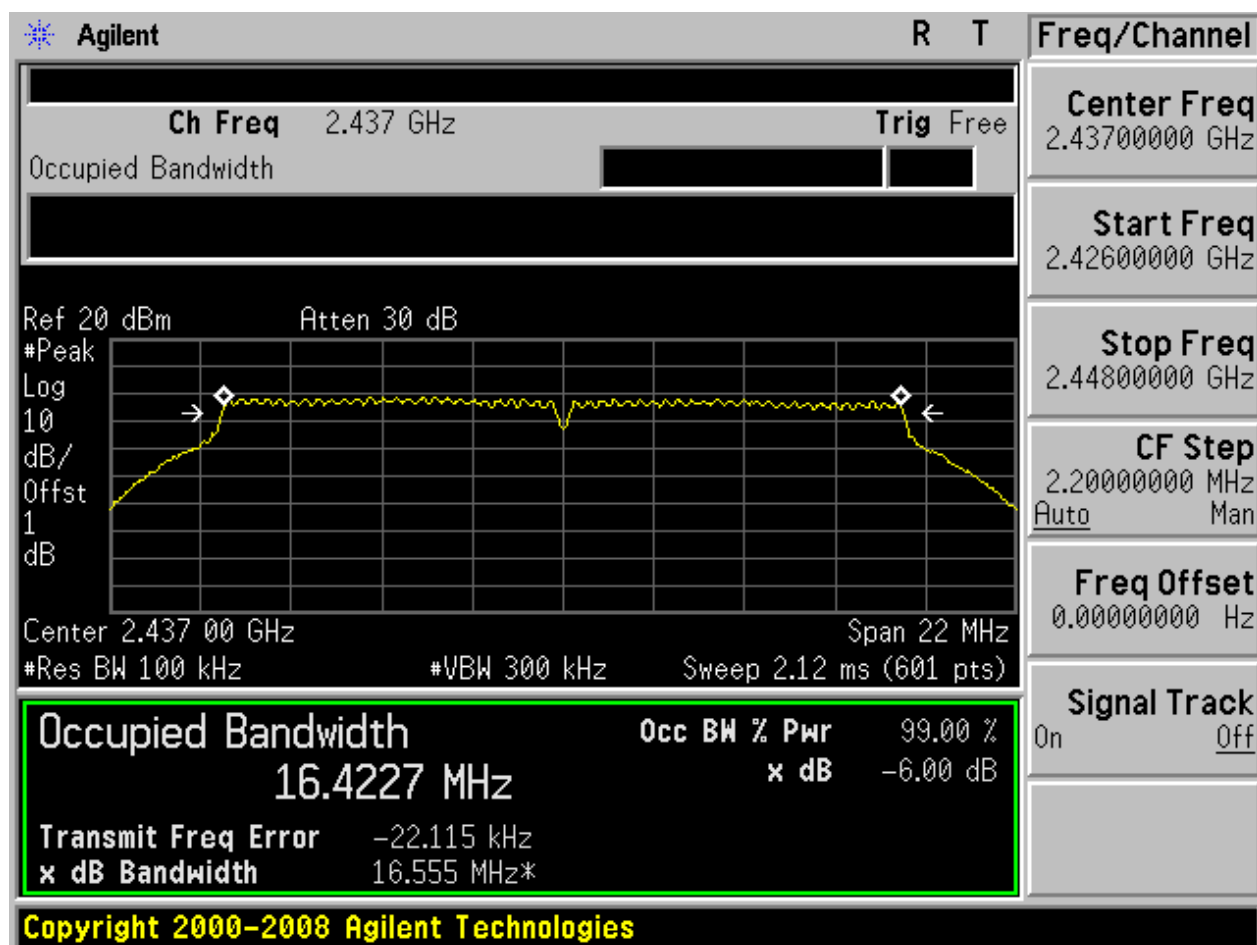


2.10 11G_M@Ant 2



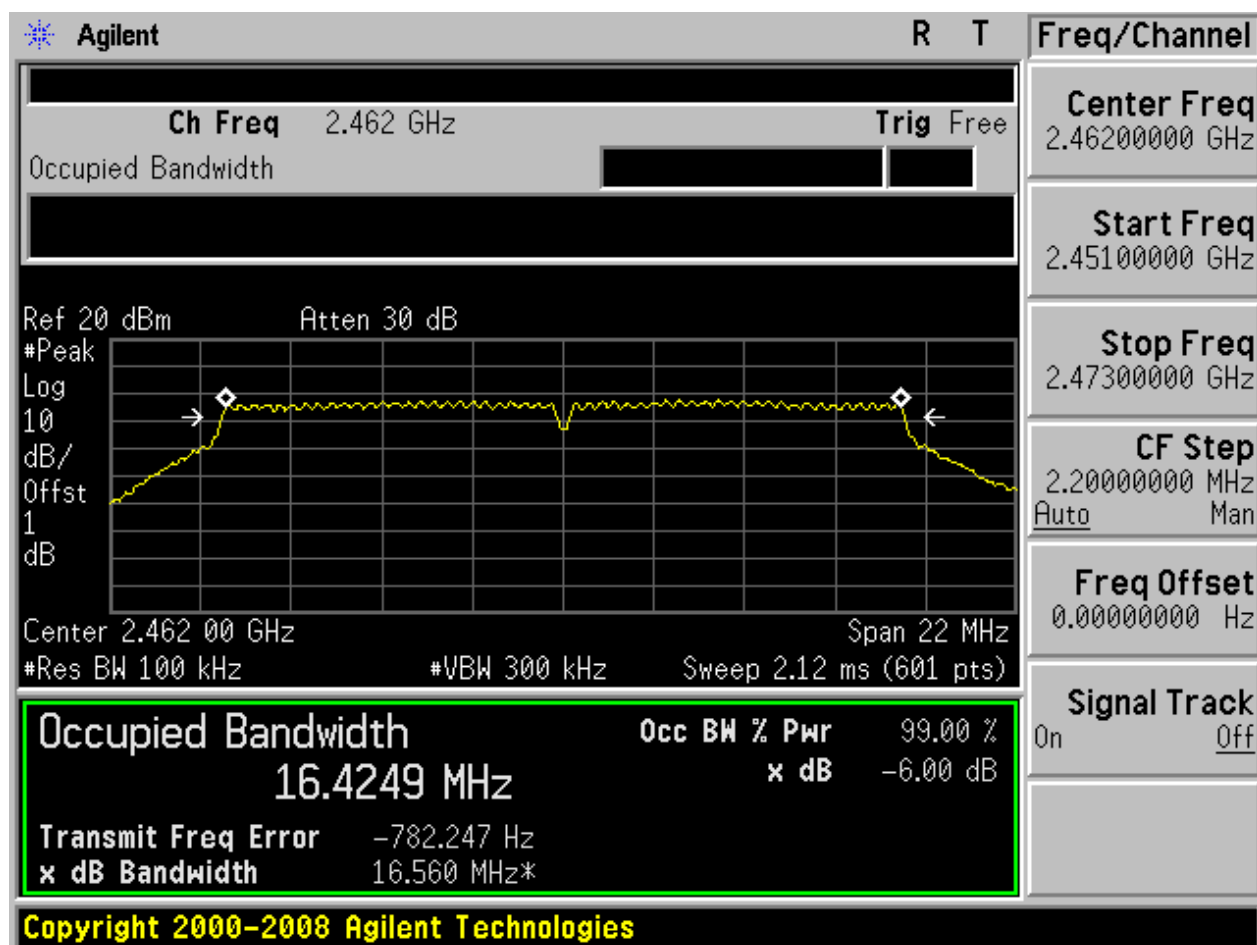


2.9 11G_M@Ant 1

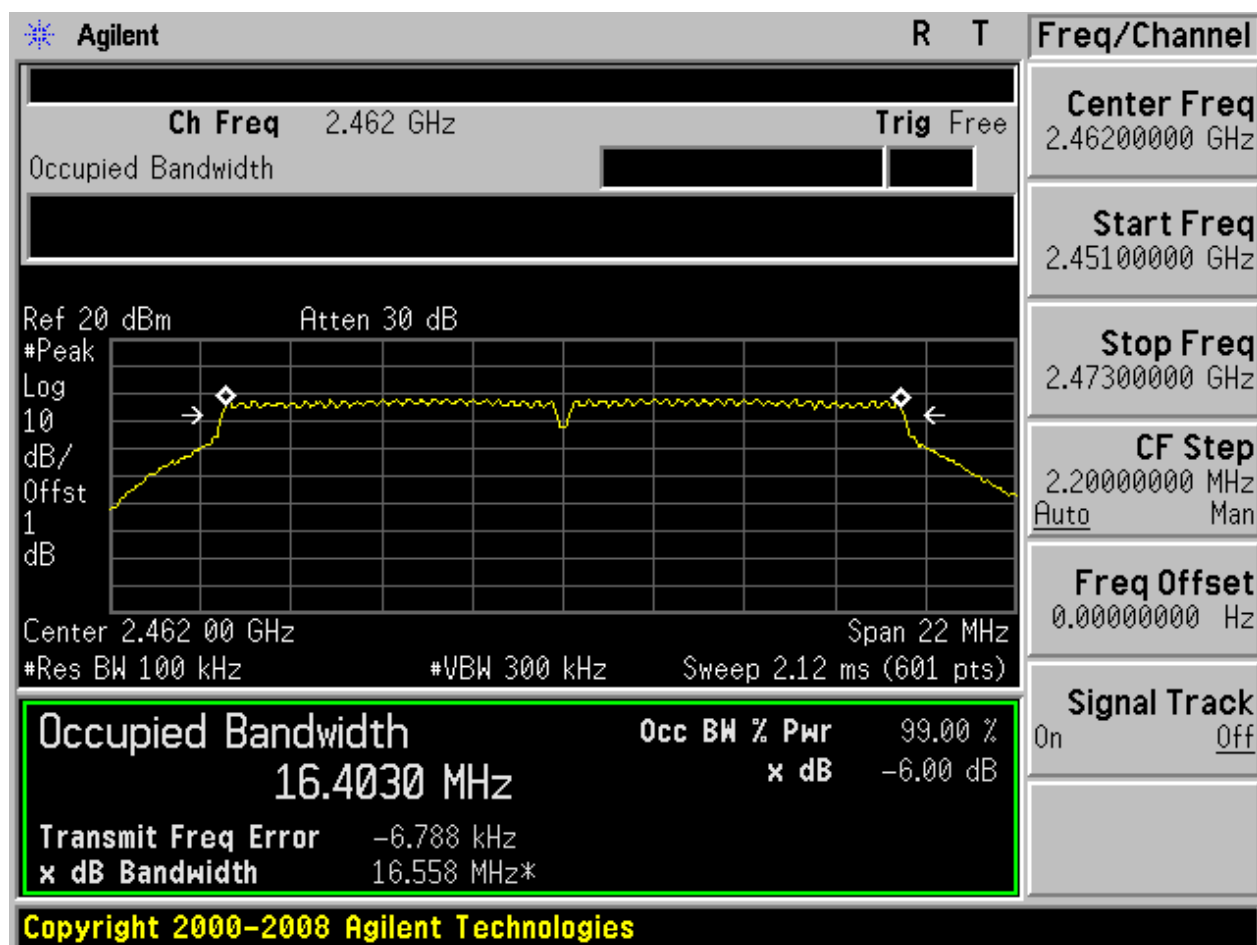




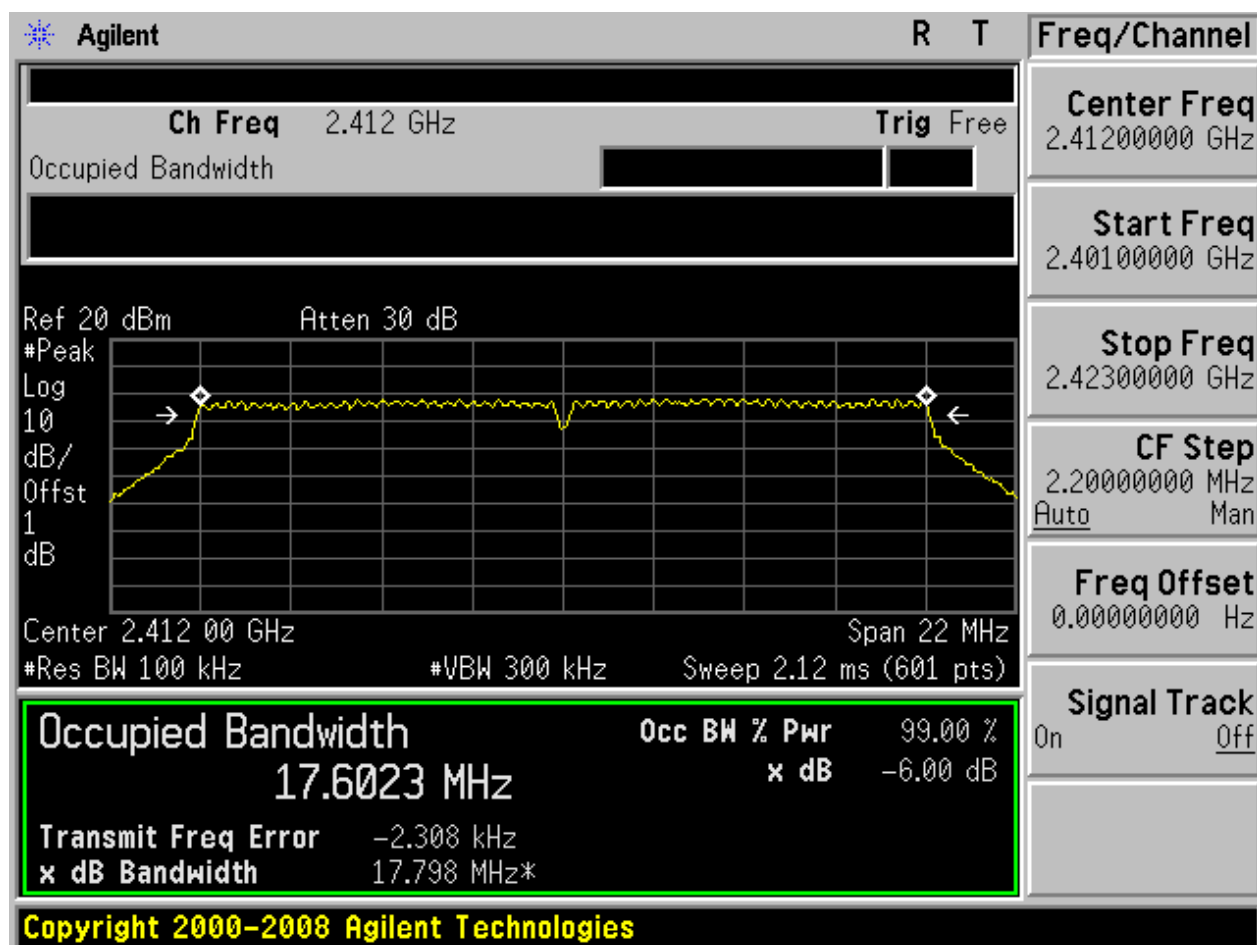
2.12 11G_H@Ant 2



2.11 11G_H@Ant 1

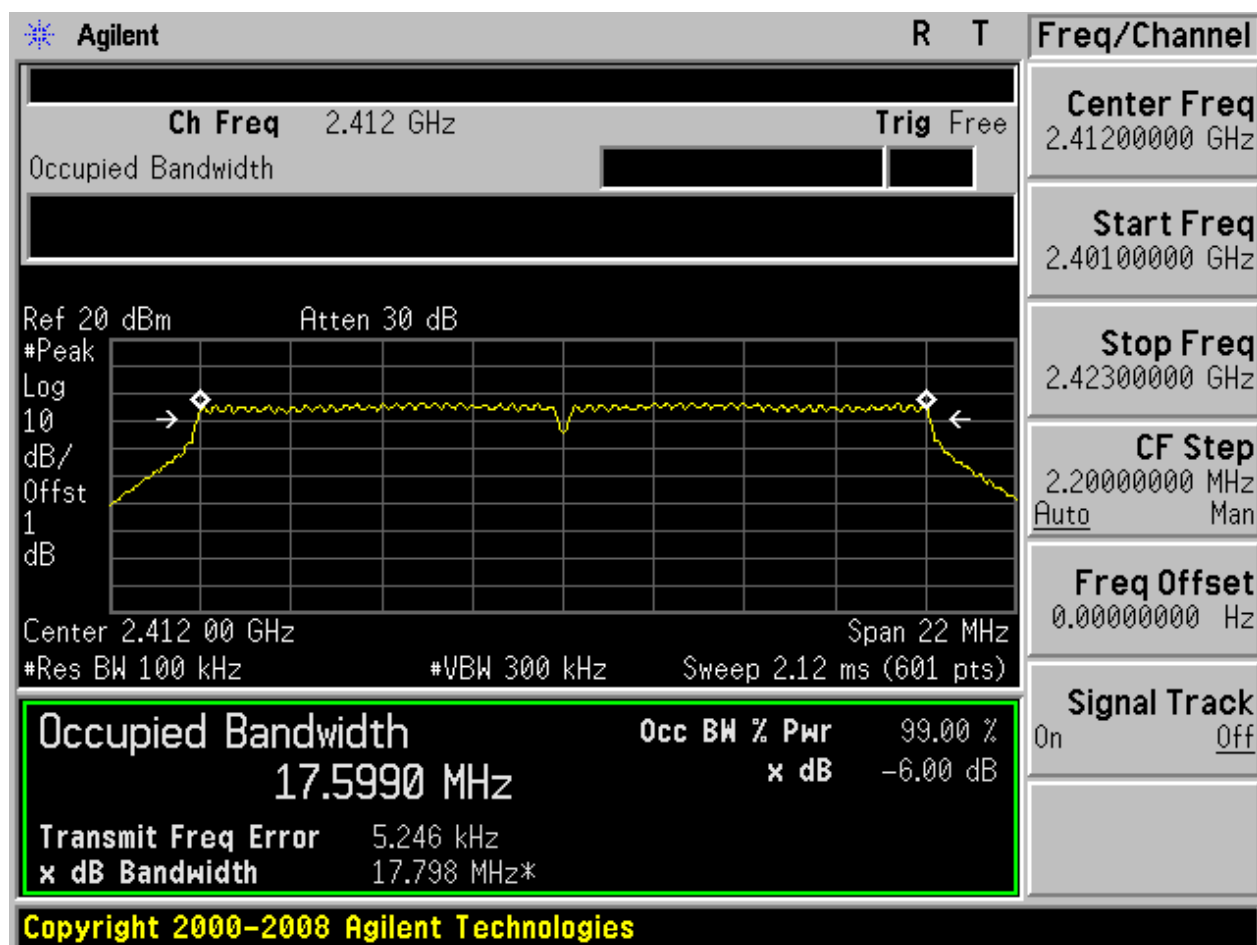


2.13 11N20_L@Ant 1



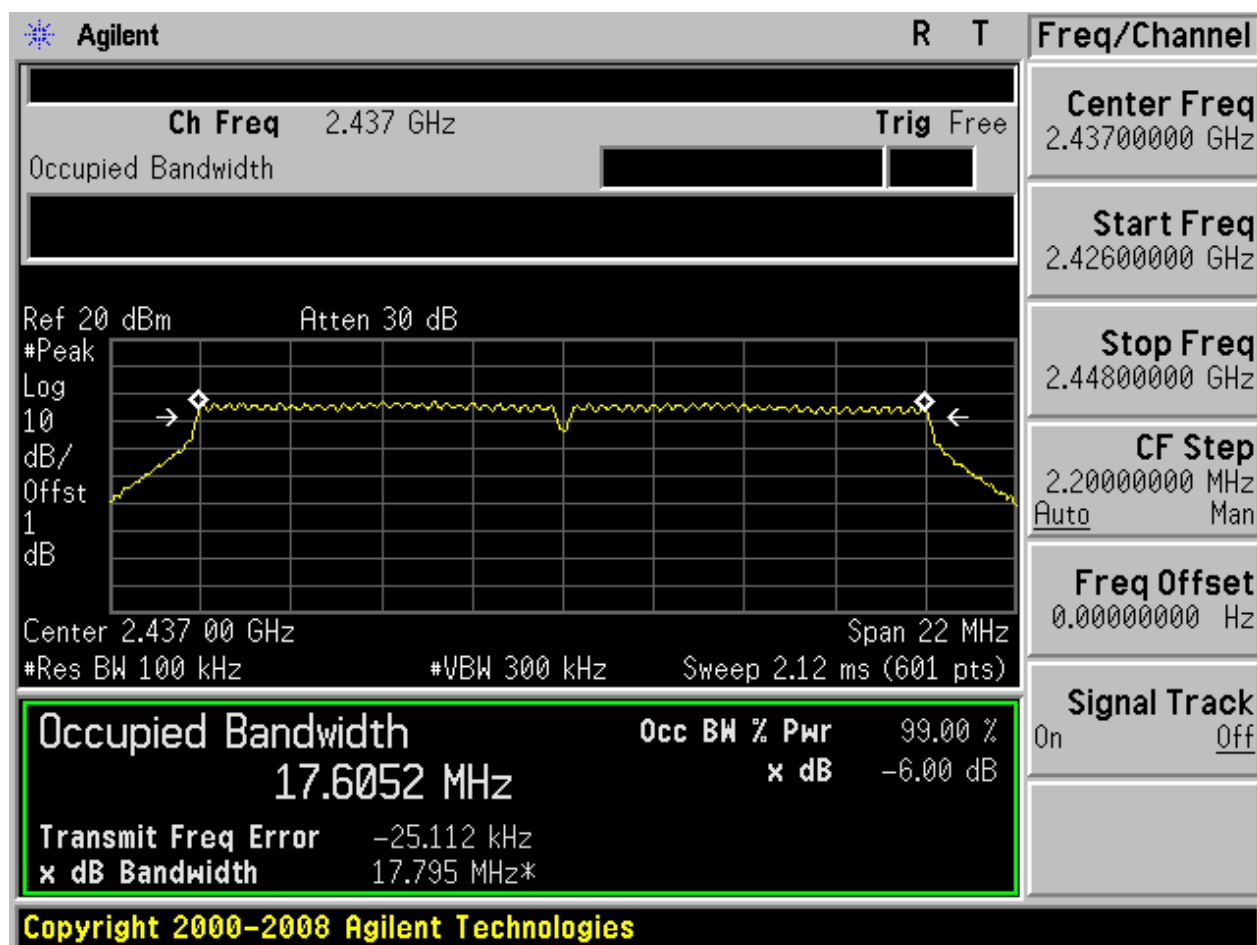


2.14 11N20_L@Ant 2



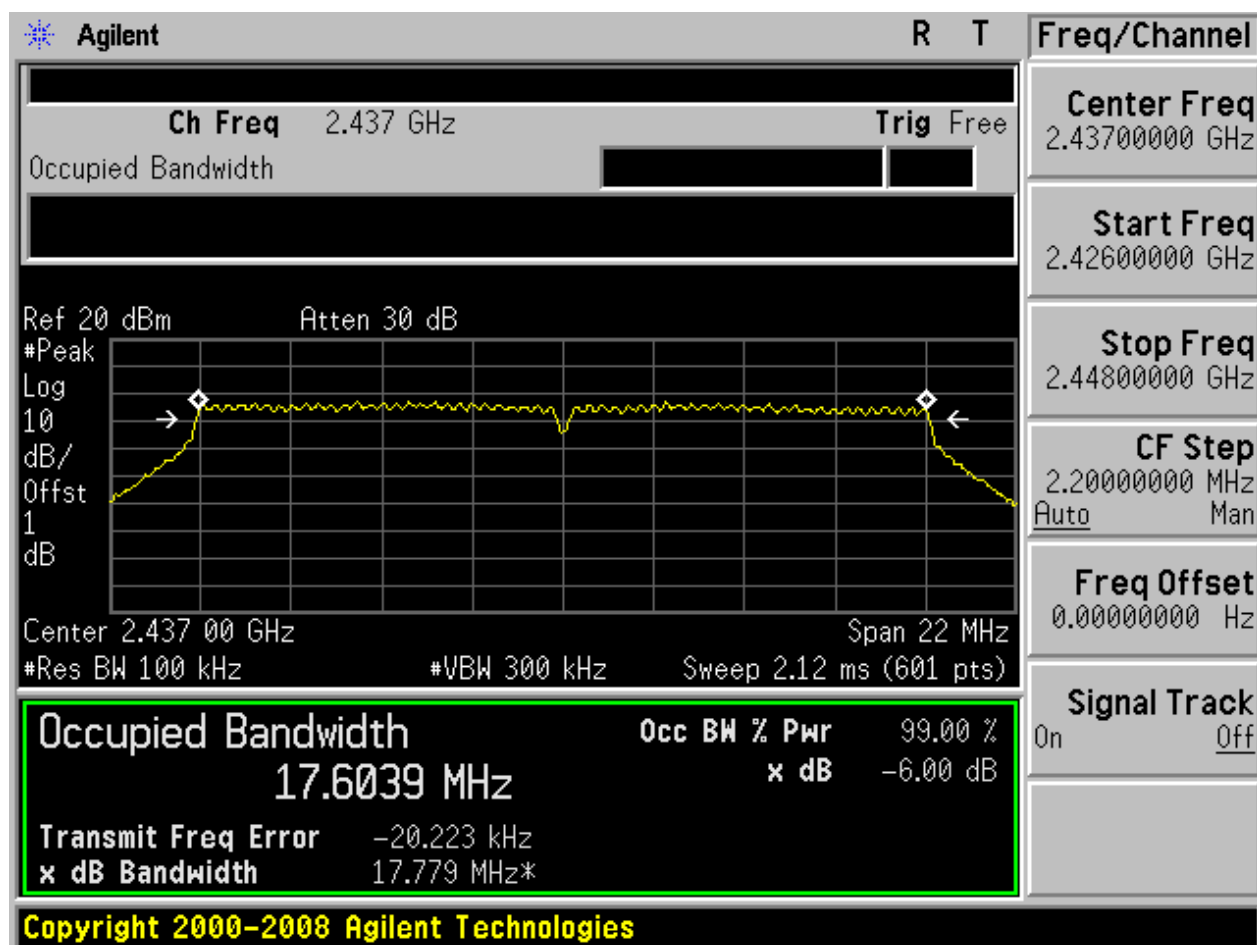


2.15 11N20_M@Ant 1



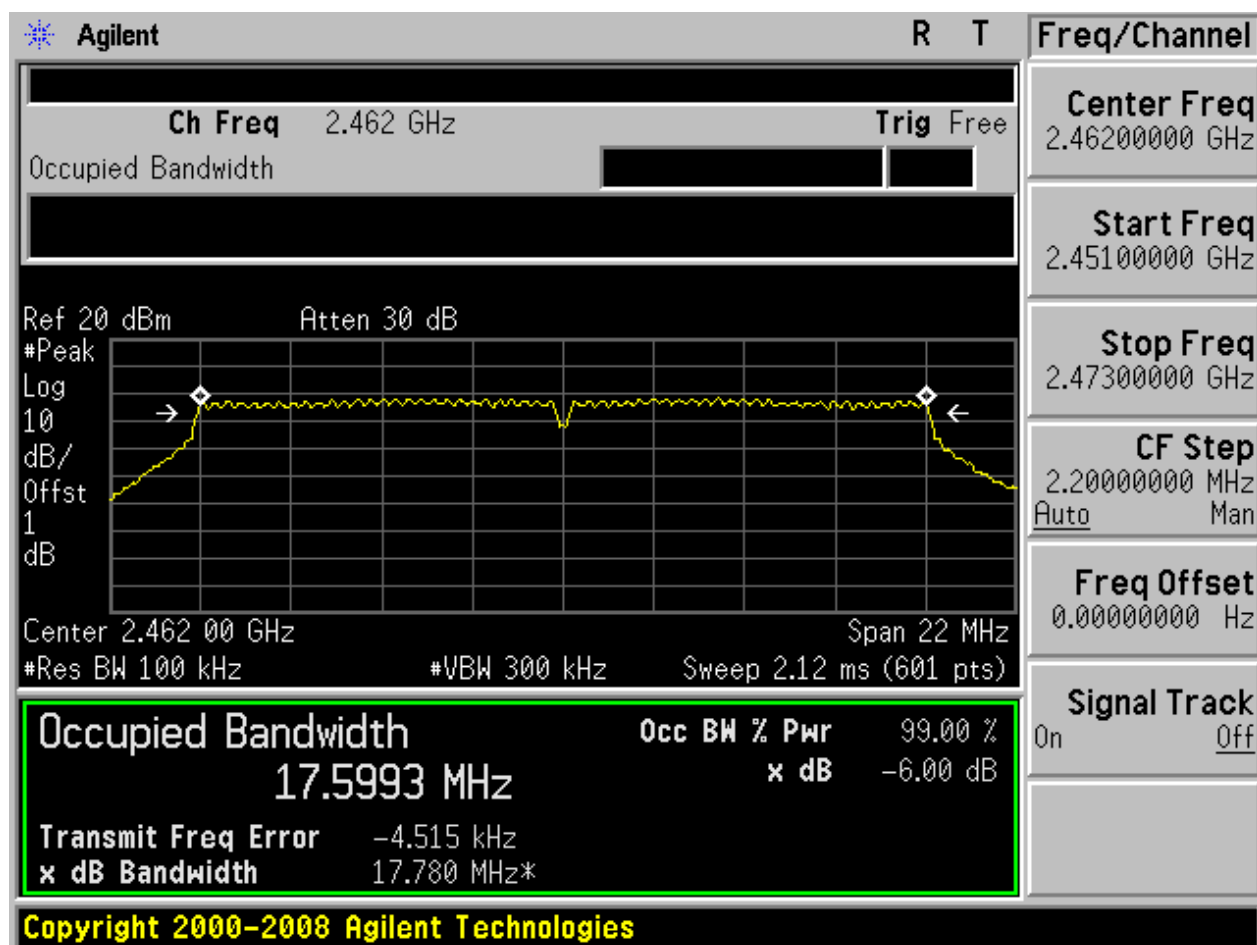


2.16 11N20_M@Ant 2

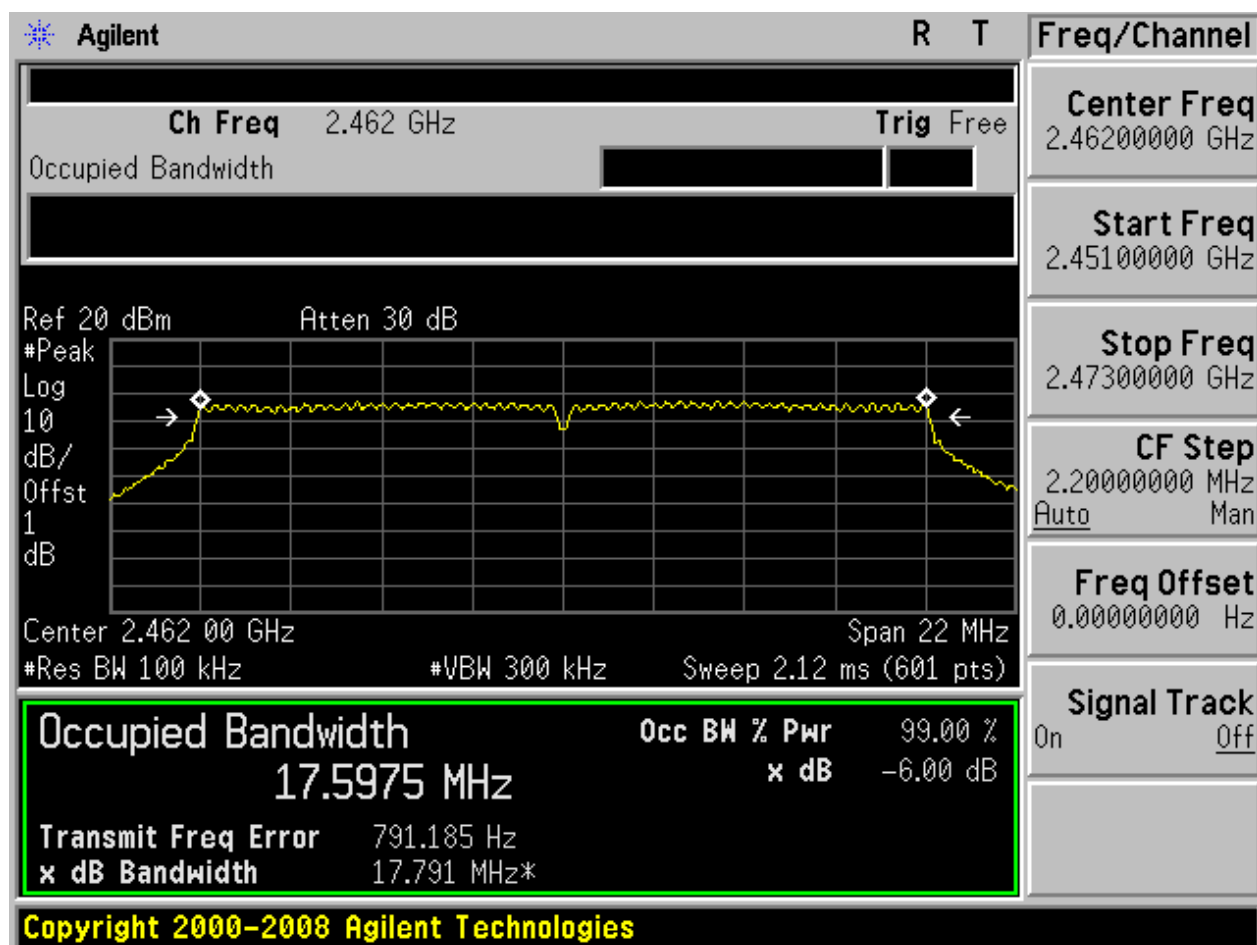




2.17 11N20_H@Ant 1

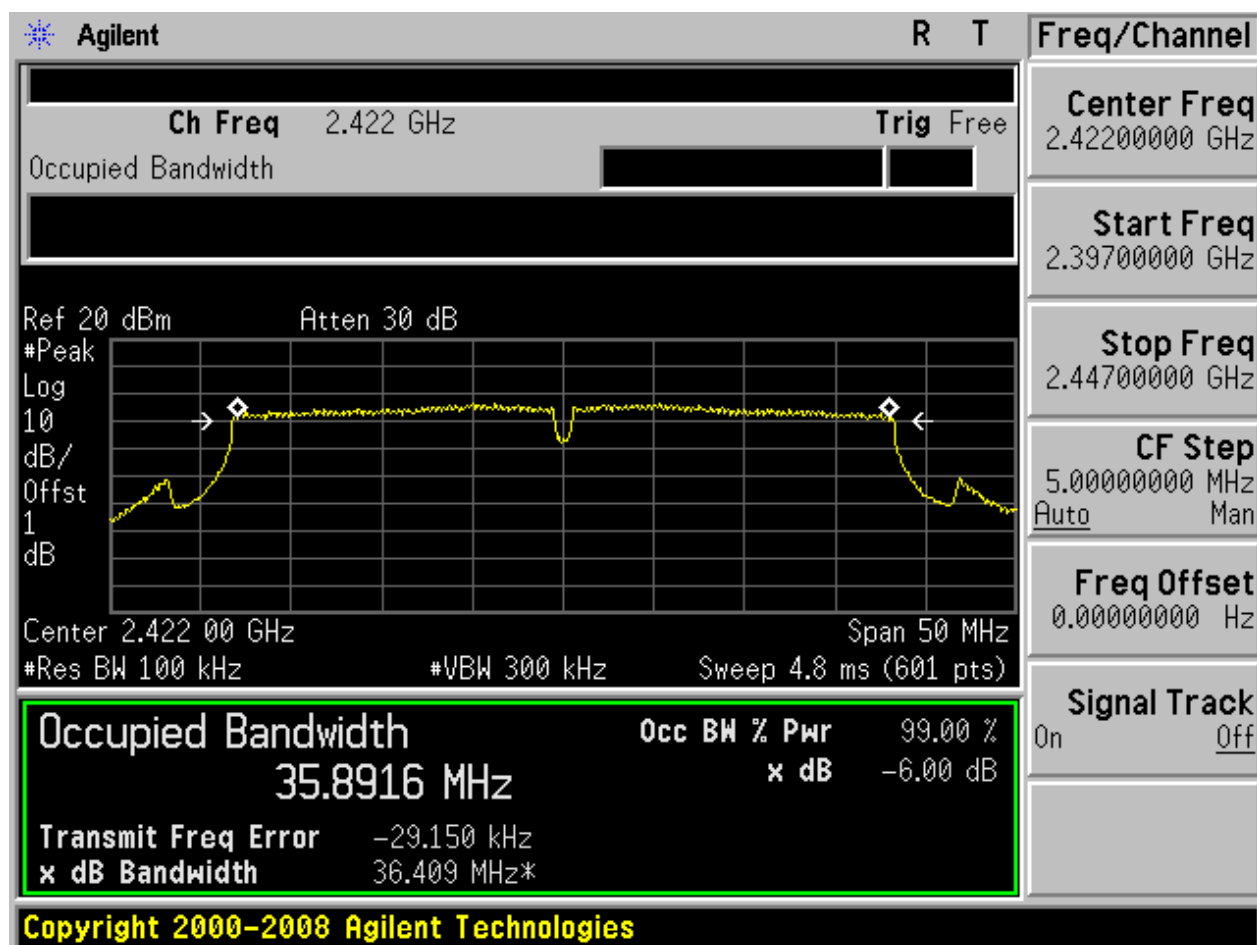


2.18 11N20_H@Ant 2



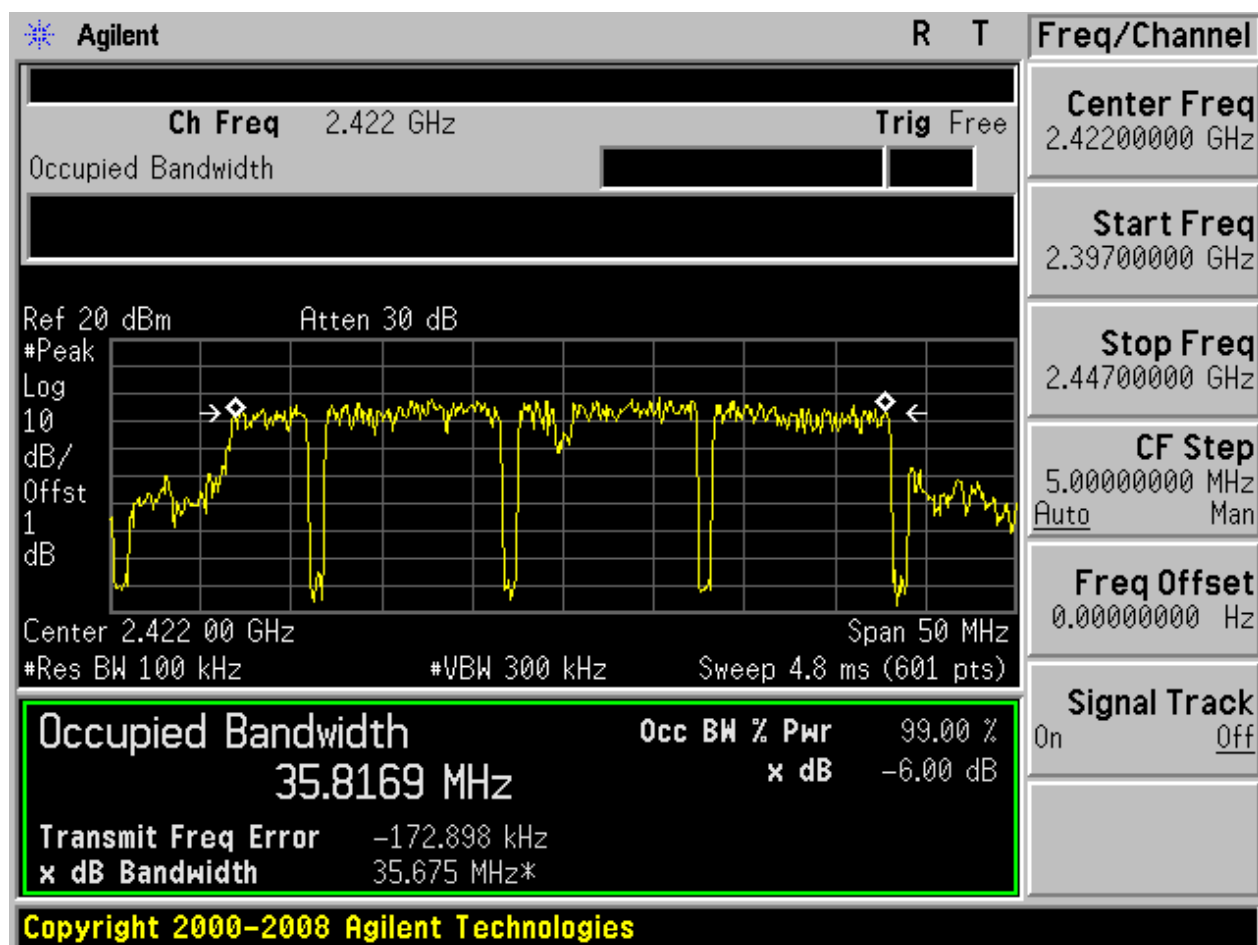


2.19 11N40_L@Ant 1



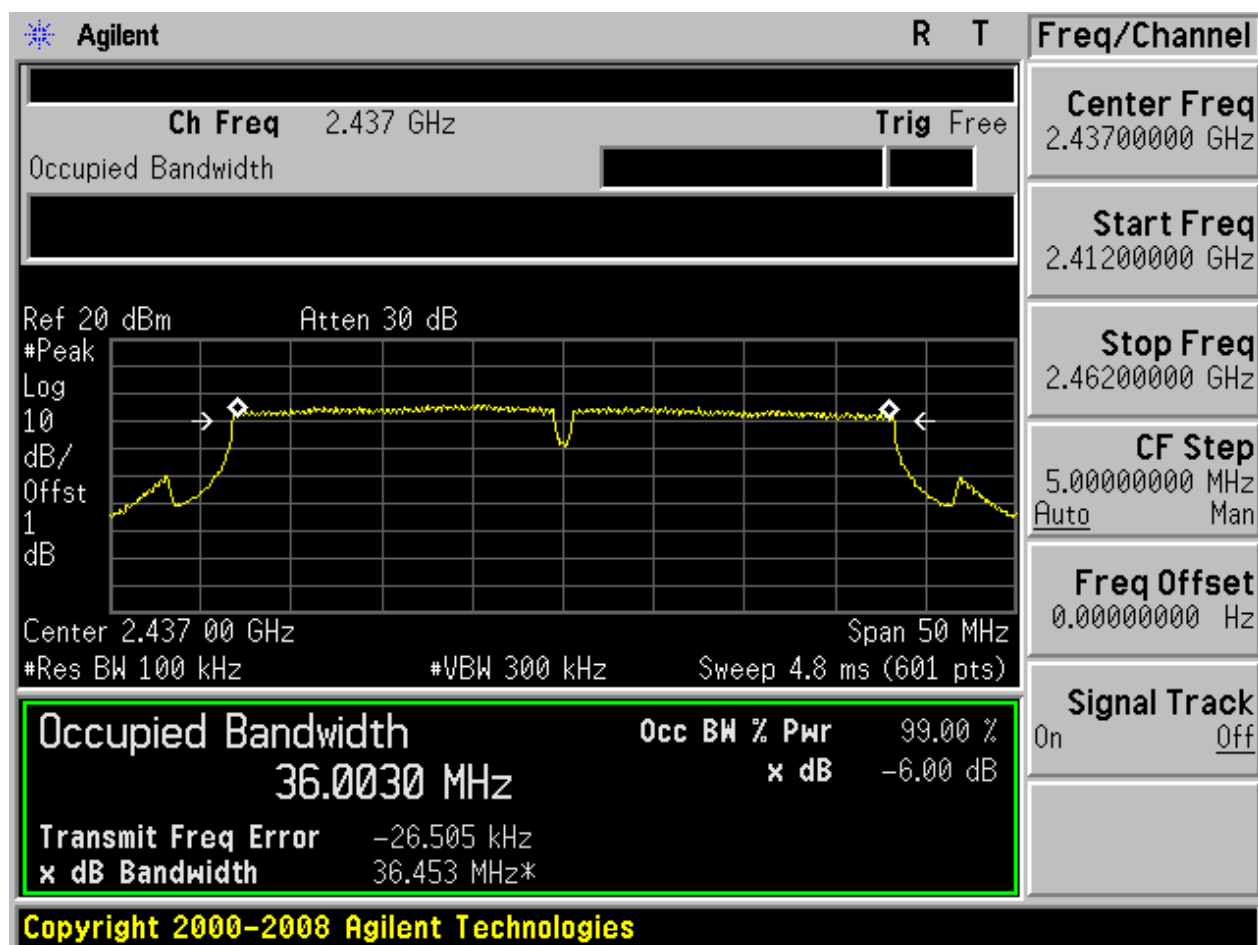


2.20 11N40_L@Ant 2



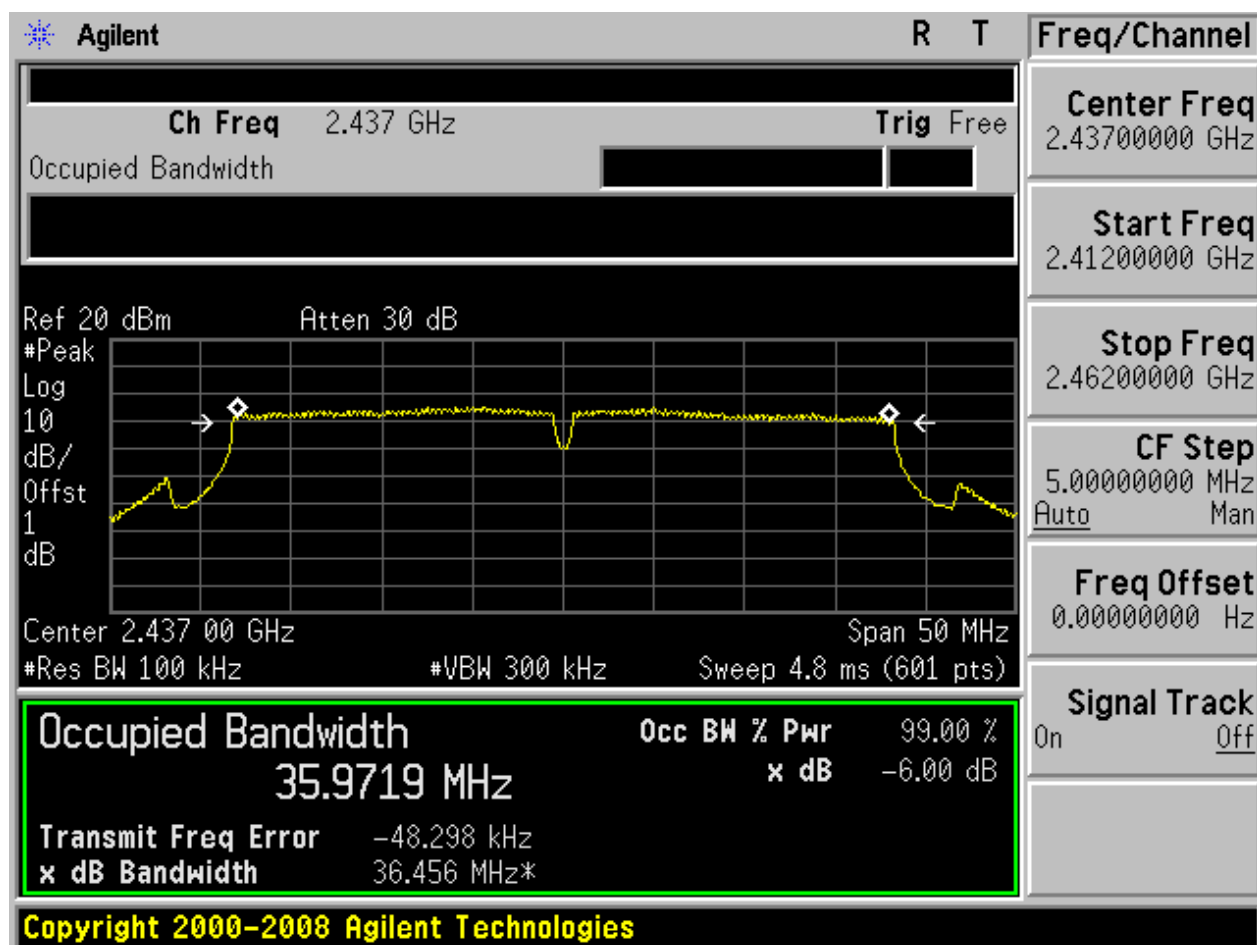


2.21 11N40_M@Ant 1



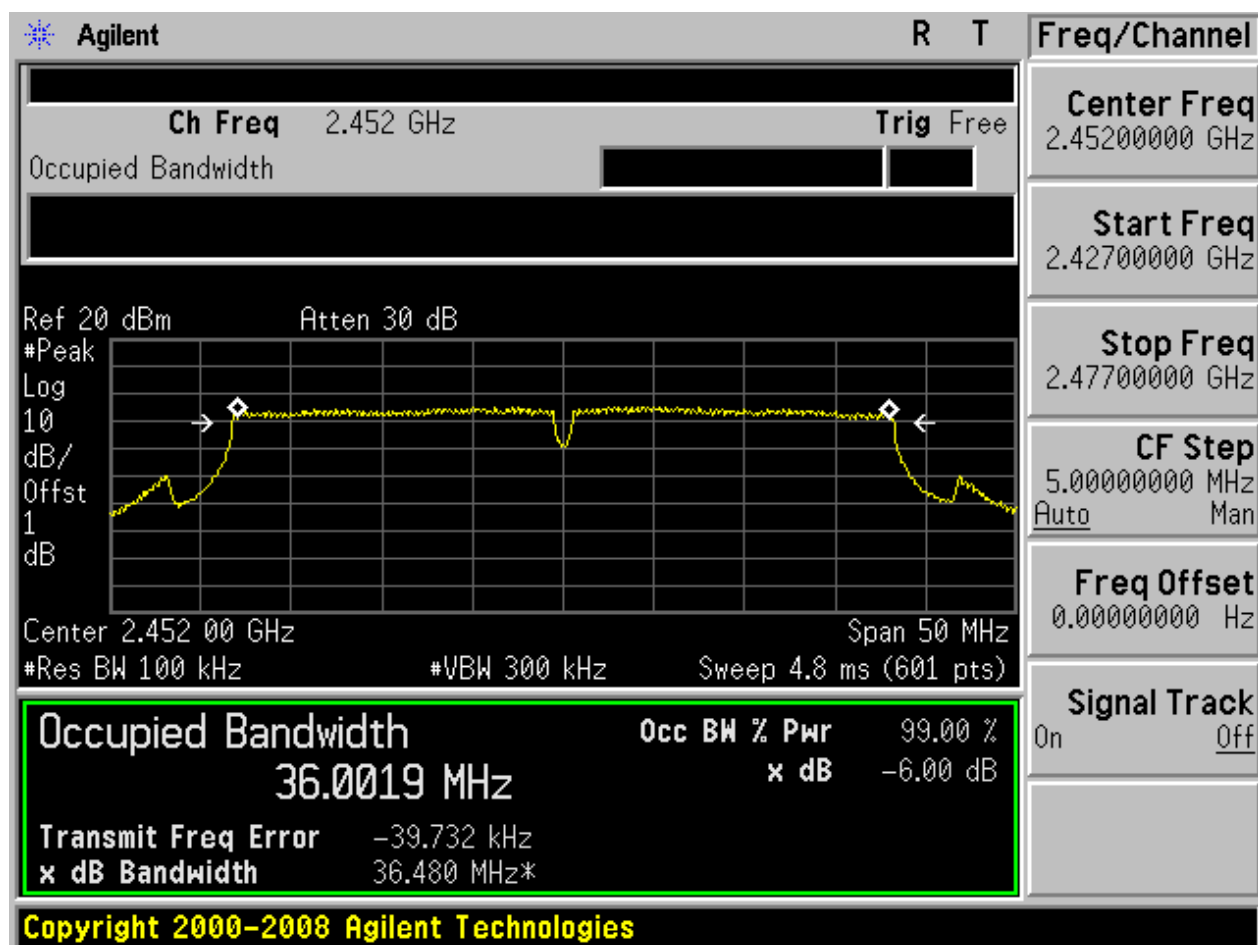


2.22 11N40_M@Ant 2

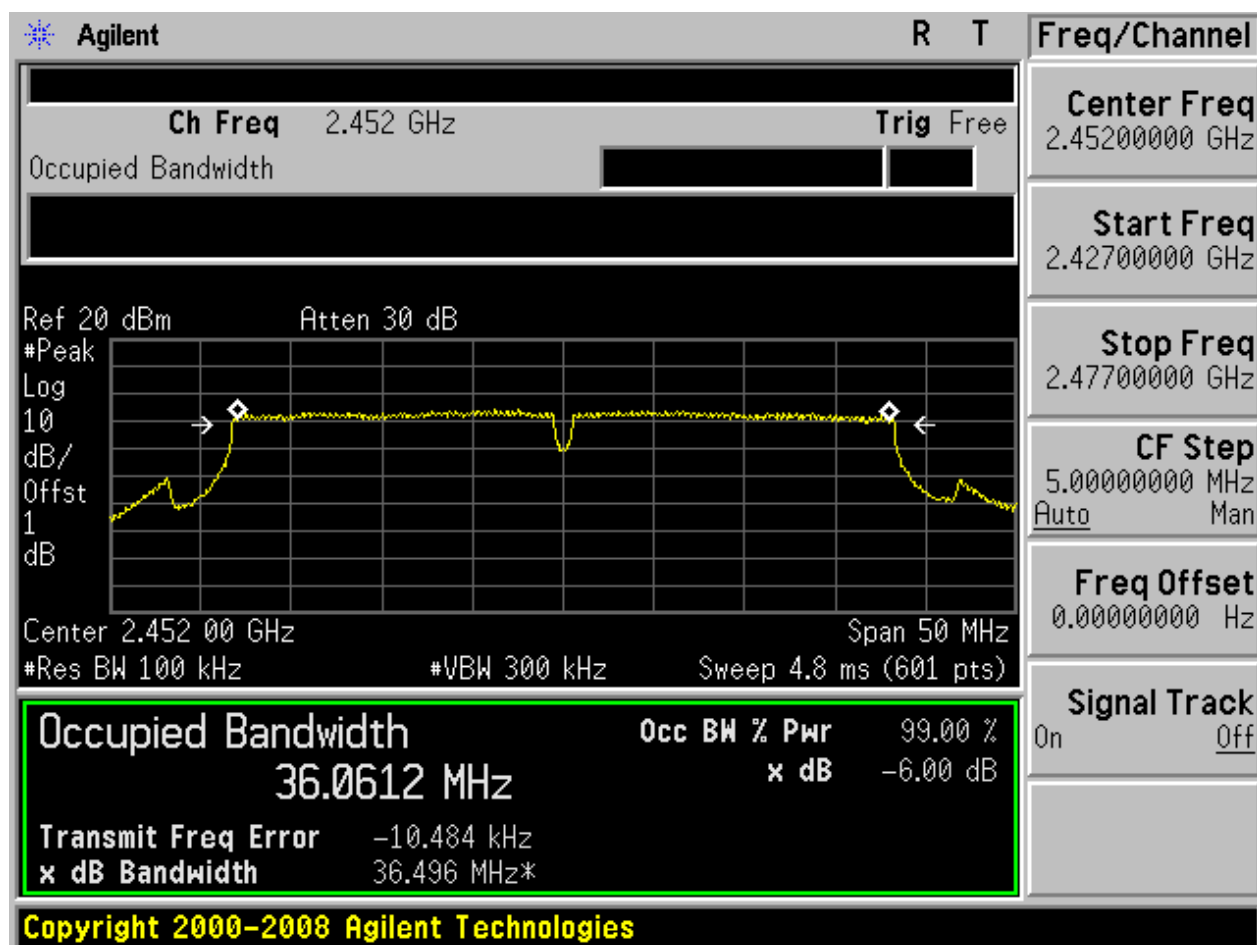




2.23 11N40_H@Ant 1

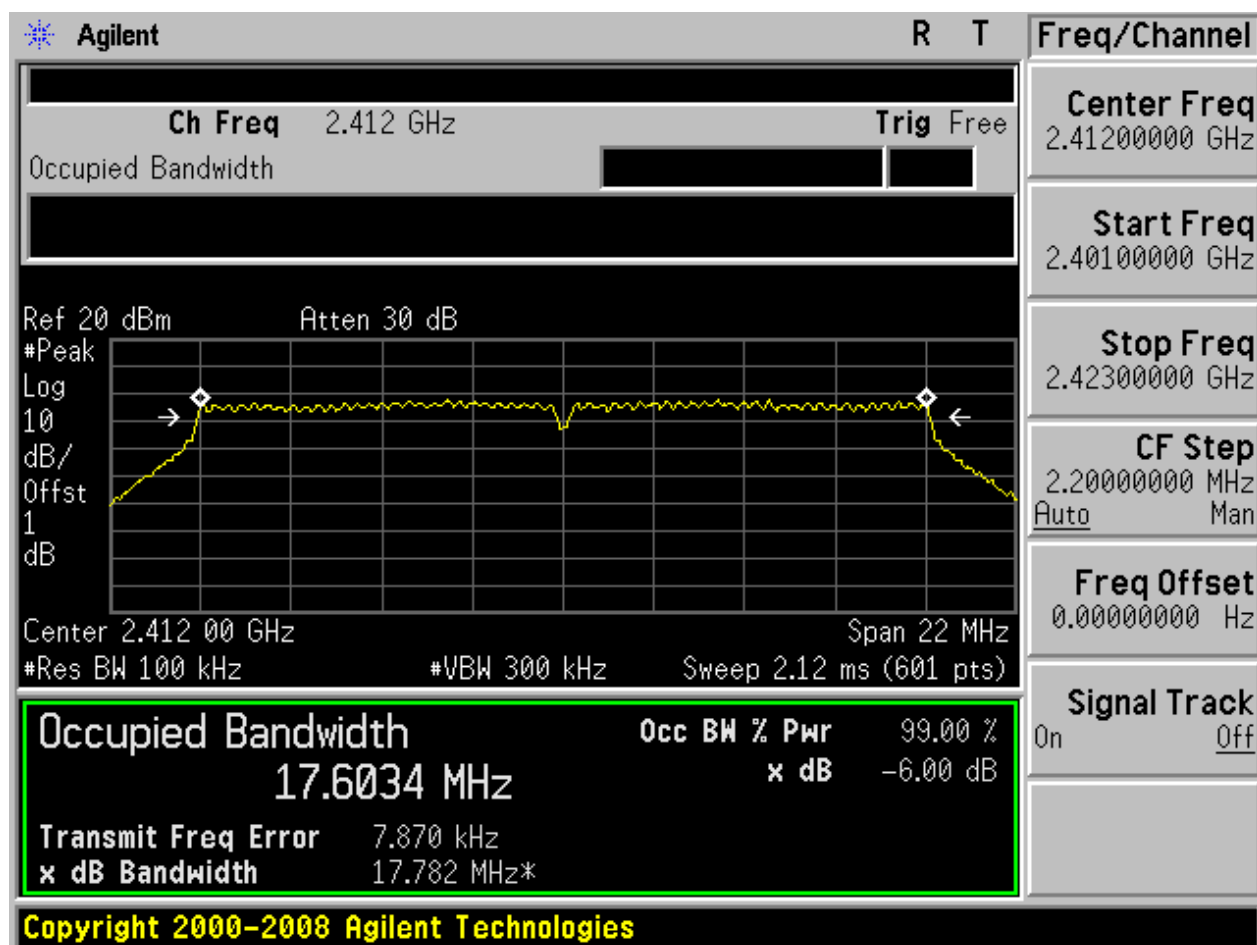


2.24 11N40_H@Ant 2



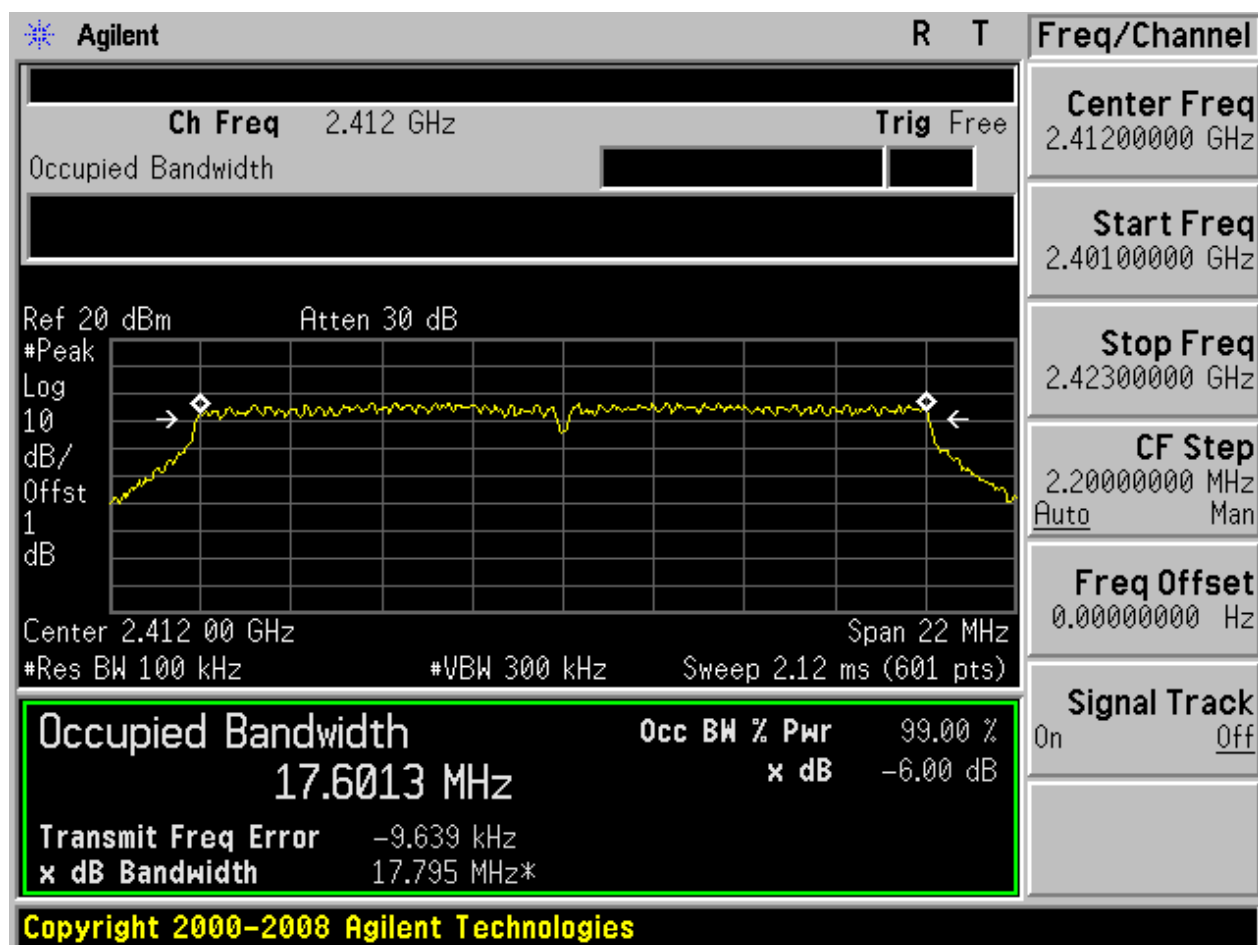


2.25 11N20m_L@Ant 1



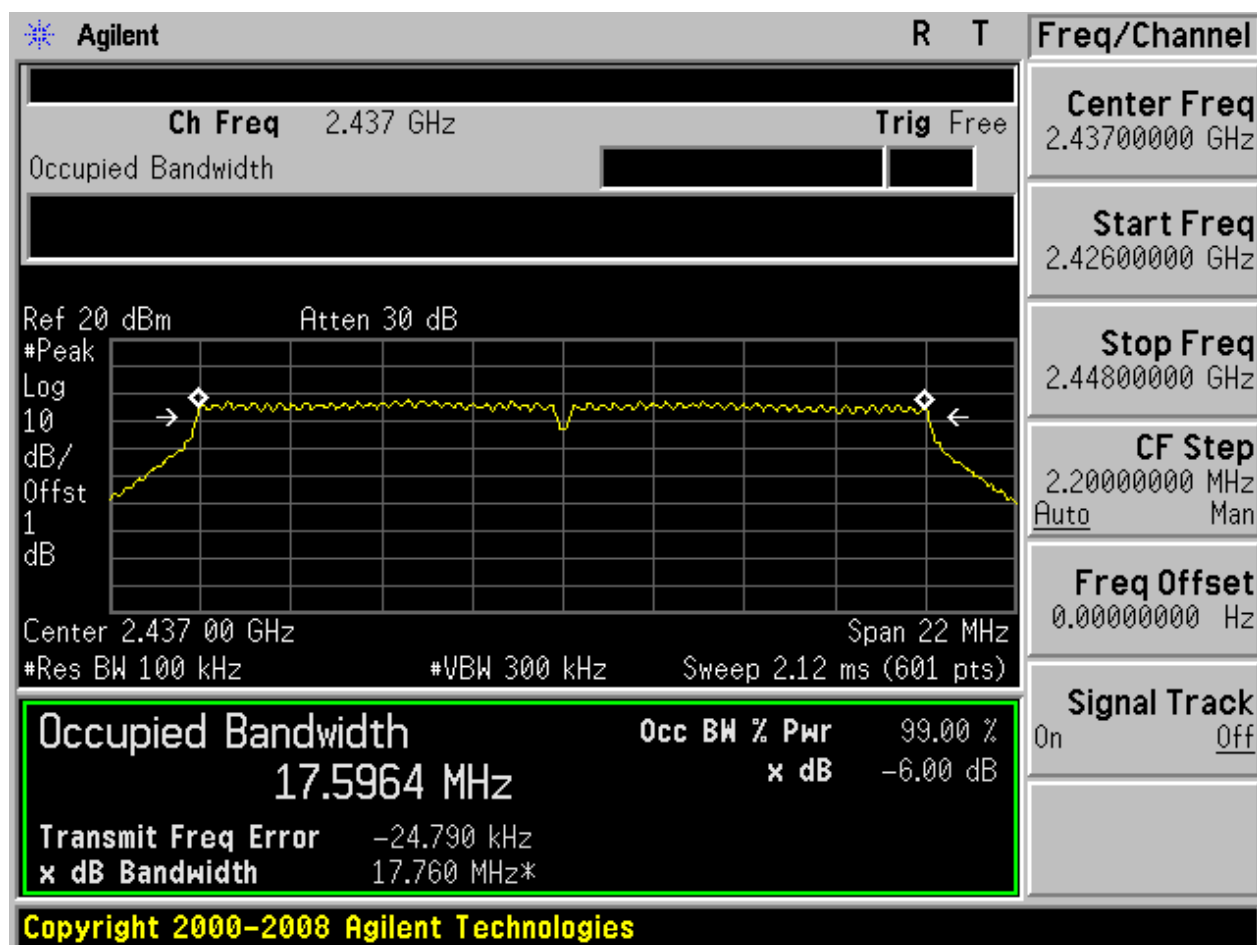


2.26 11N20m_L@Ant 2



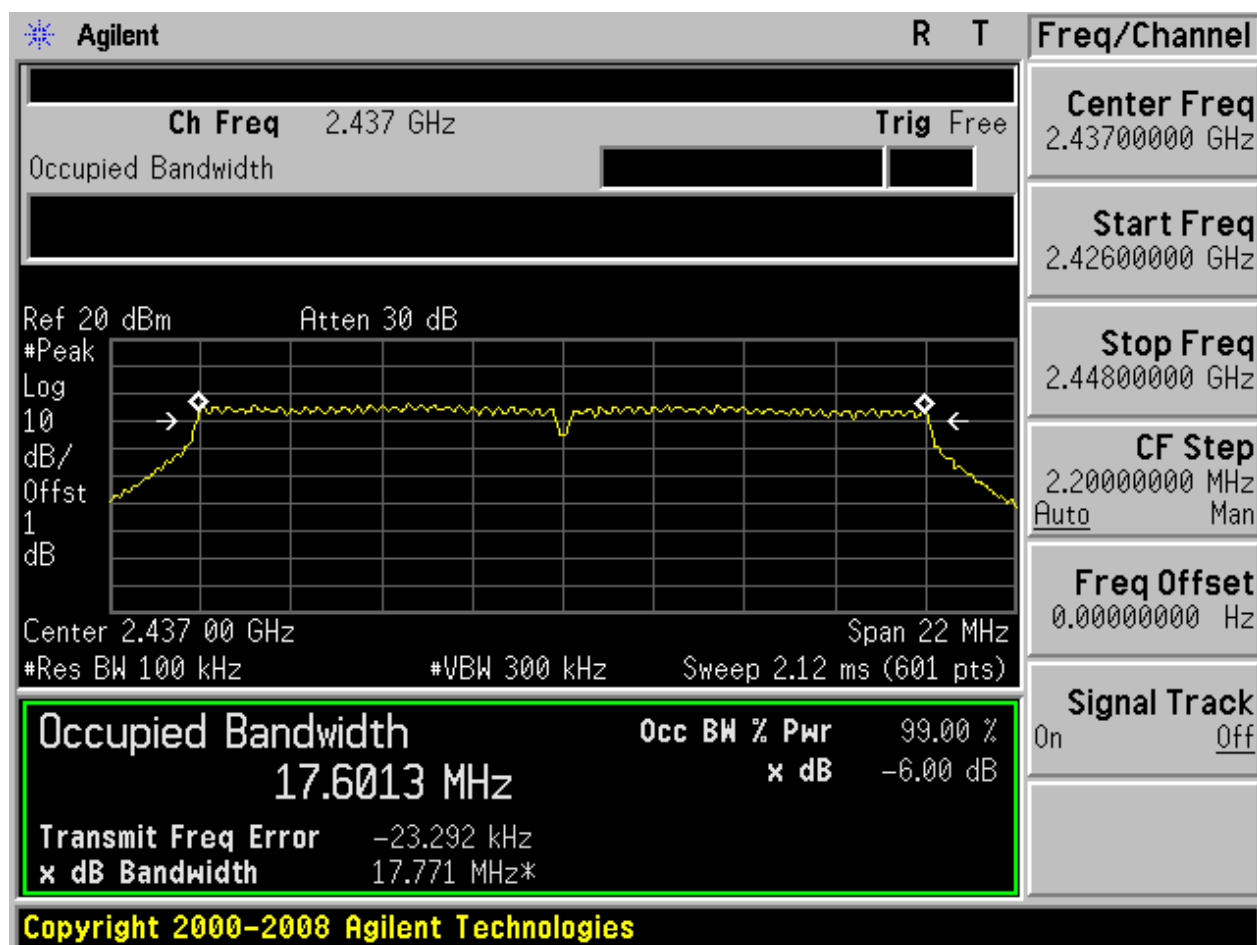


2.27 11N20m_M@Ant 1



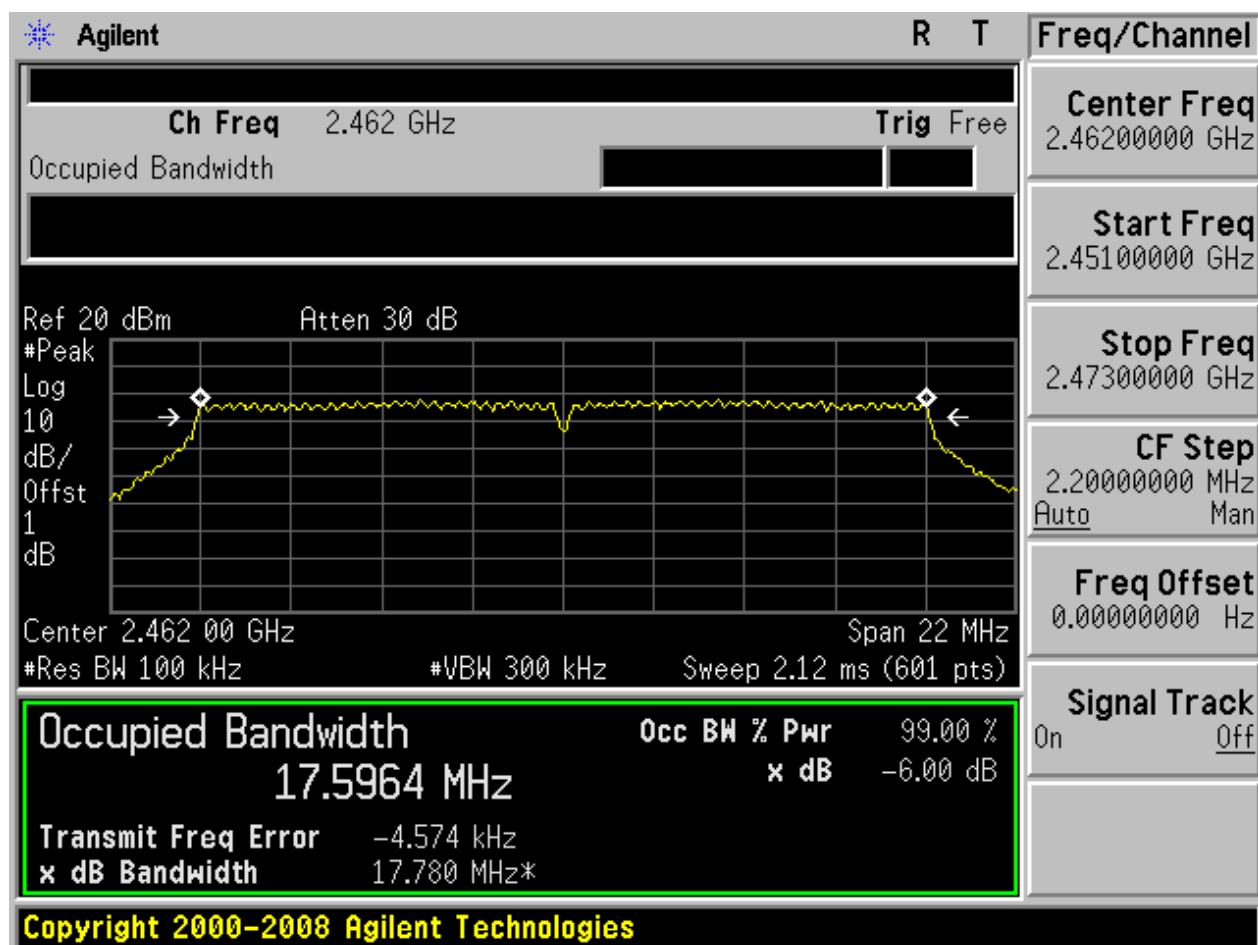


2.28 11N20m_M@Ant 2



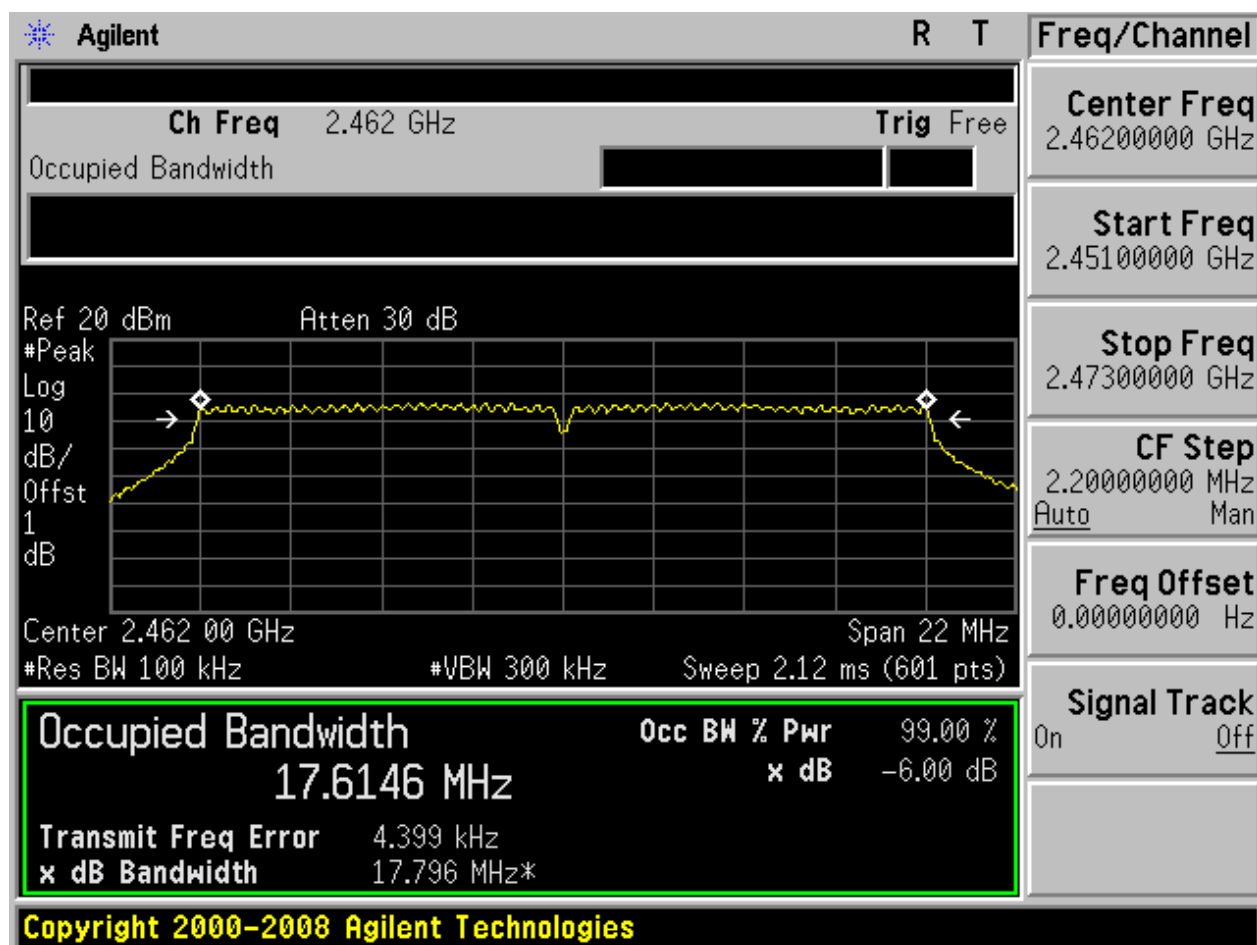


2.29 11N20m_H@Ant 1

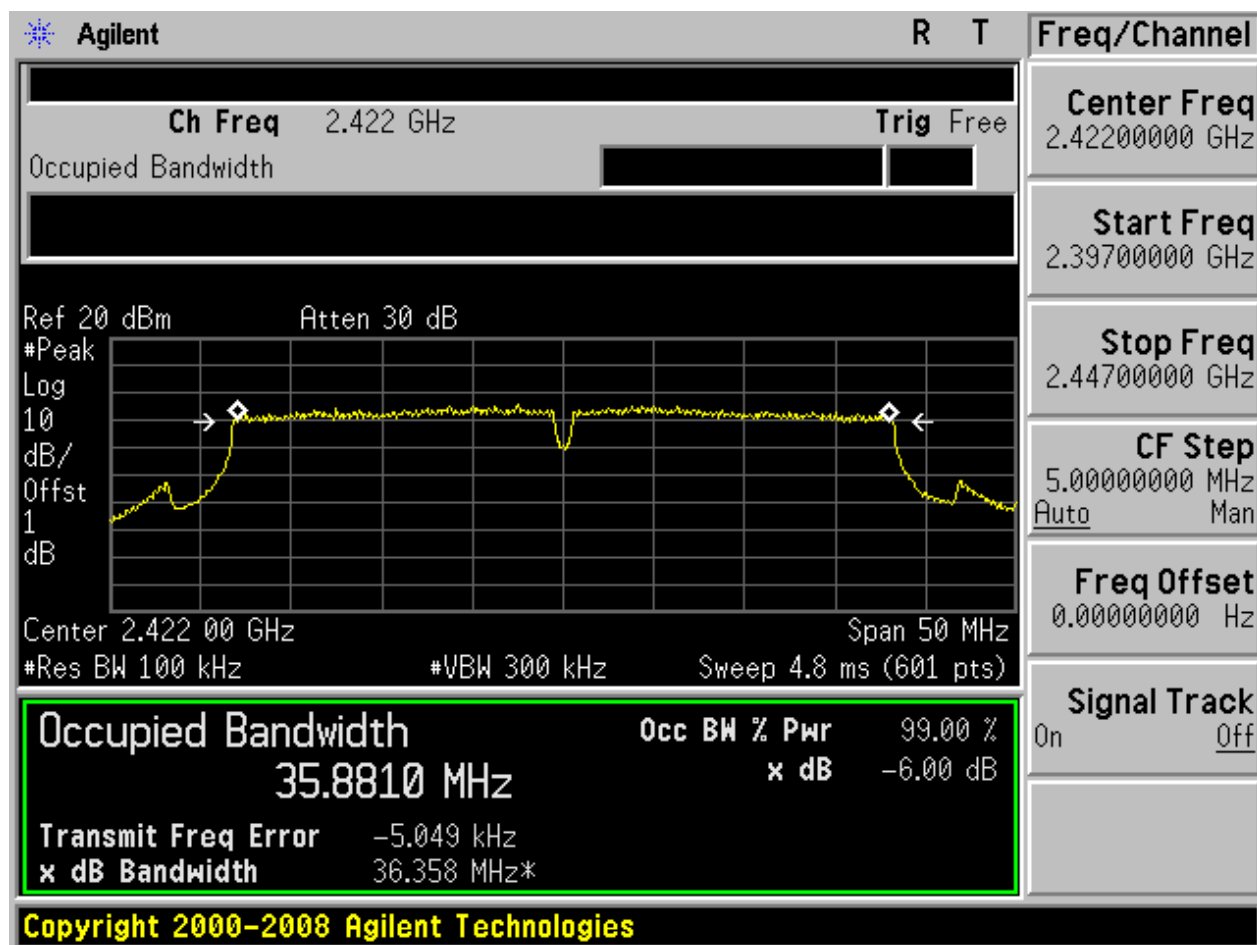




2.30 11N20m_H@Ant 2

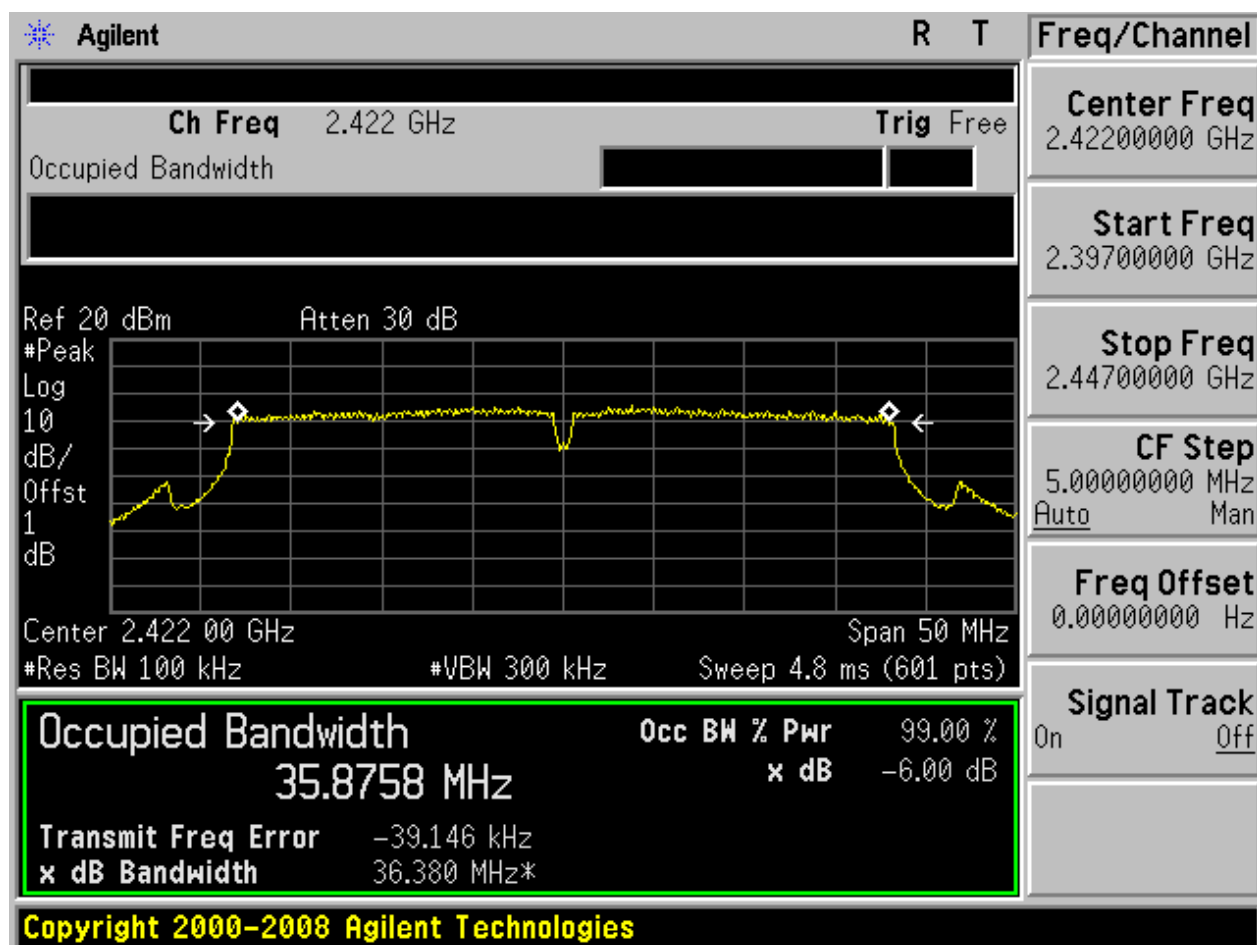


2.32 11N40m_L@Ant 2



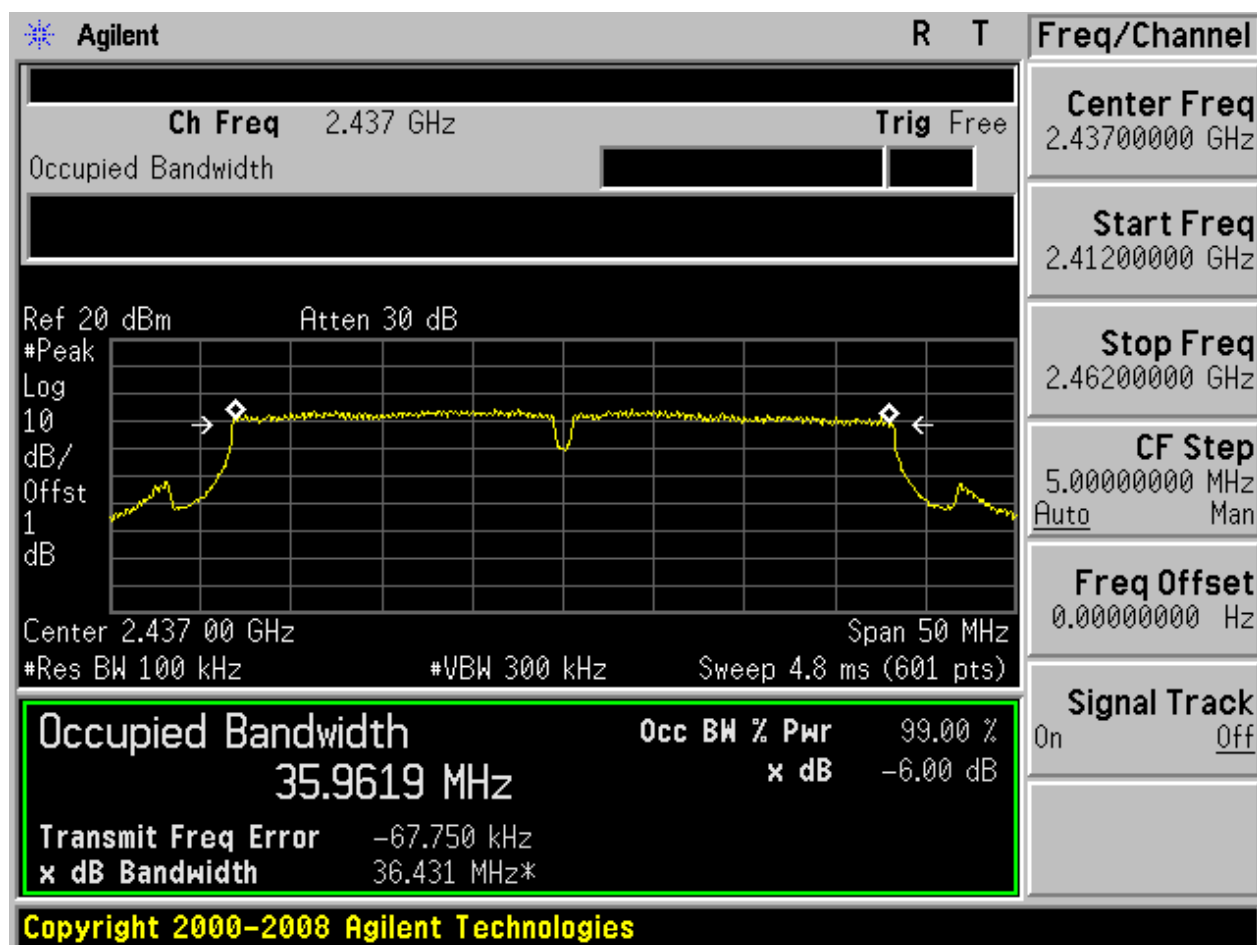


2.31 11N40m_L@Ant 1



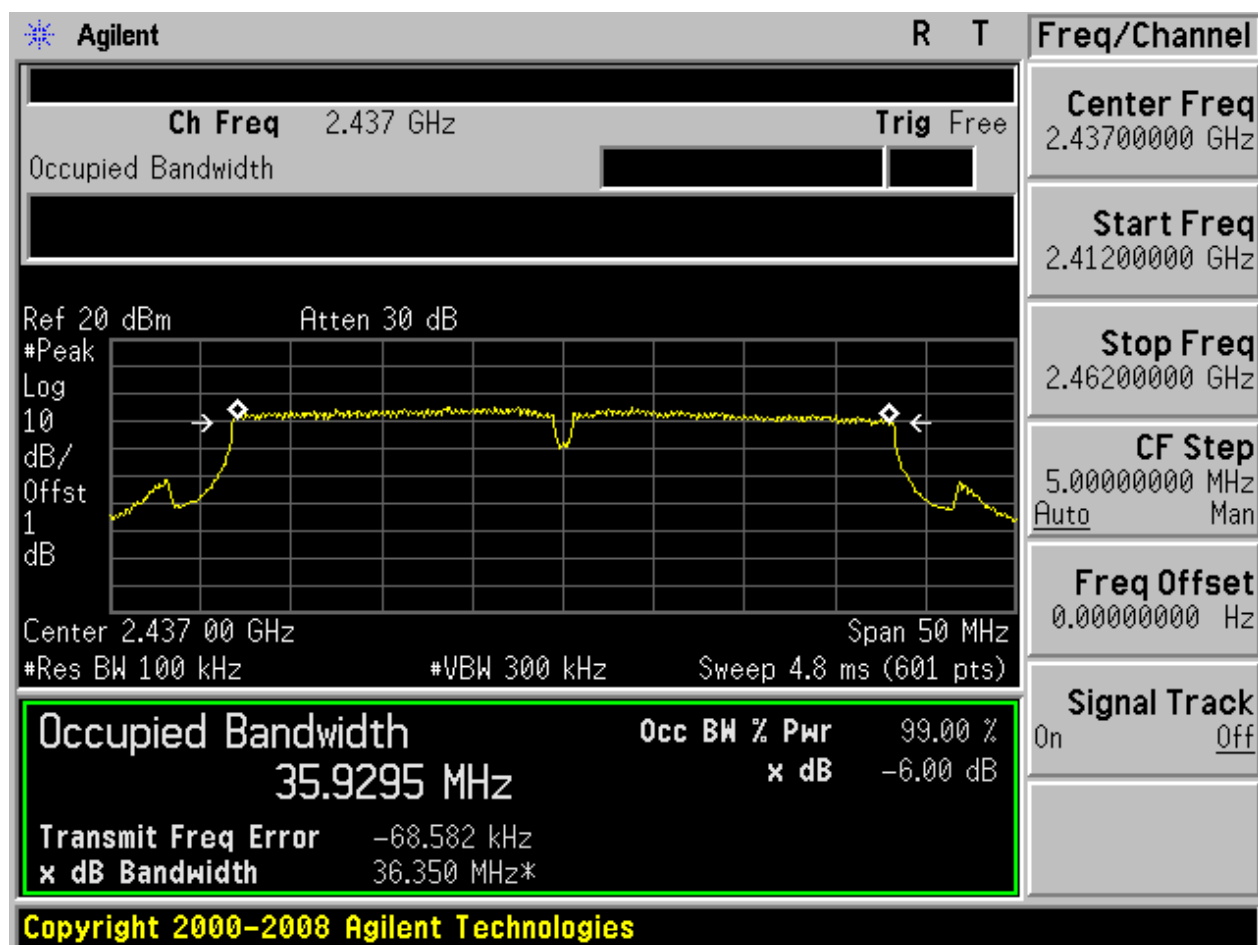


2.34 11N40m_M@Ant 2



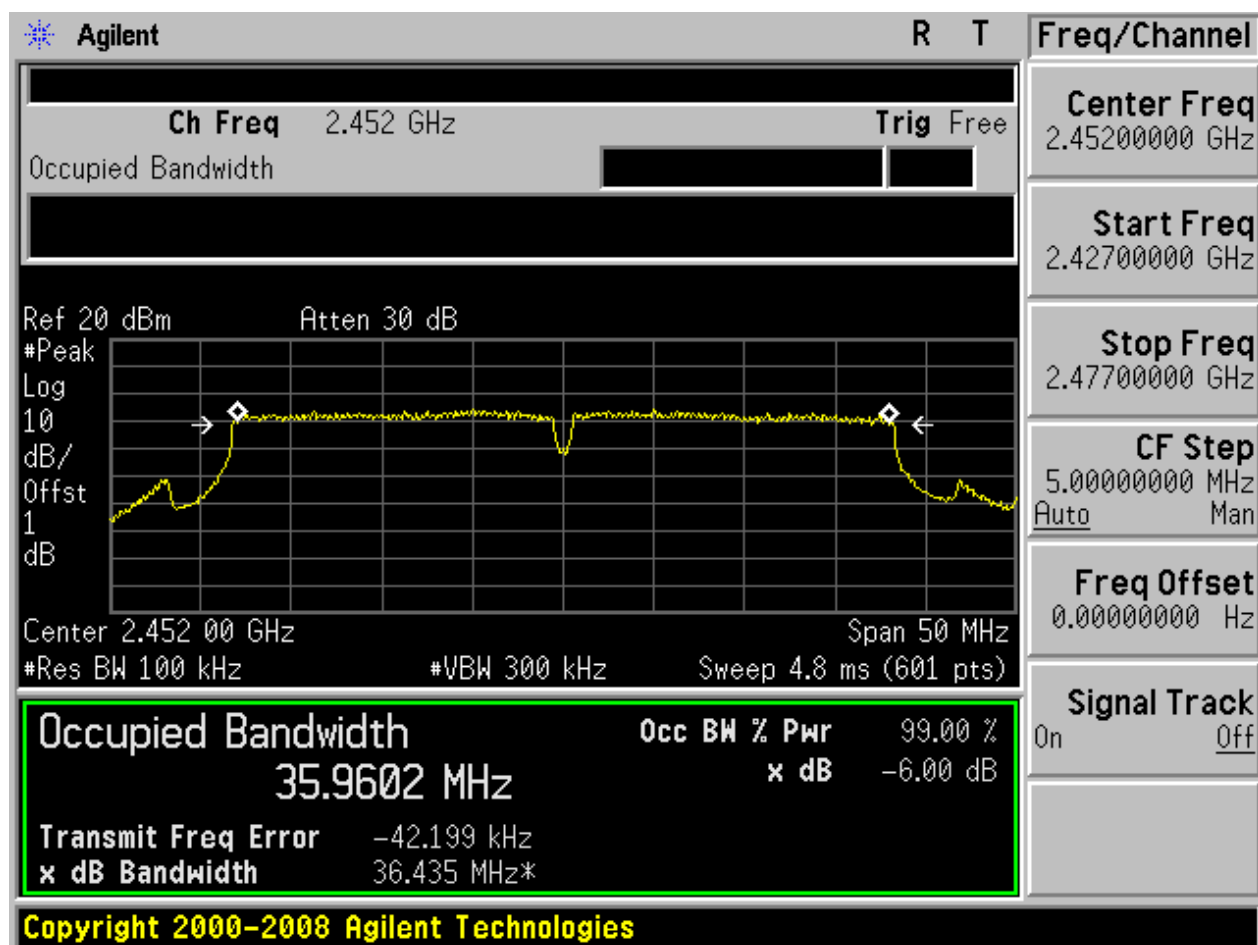


2.33 11N40m_M@Ant 1

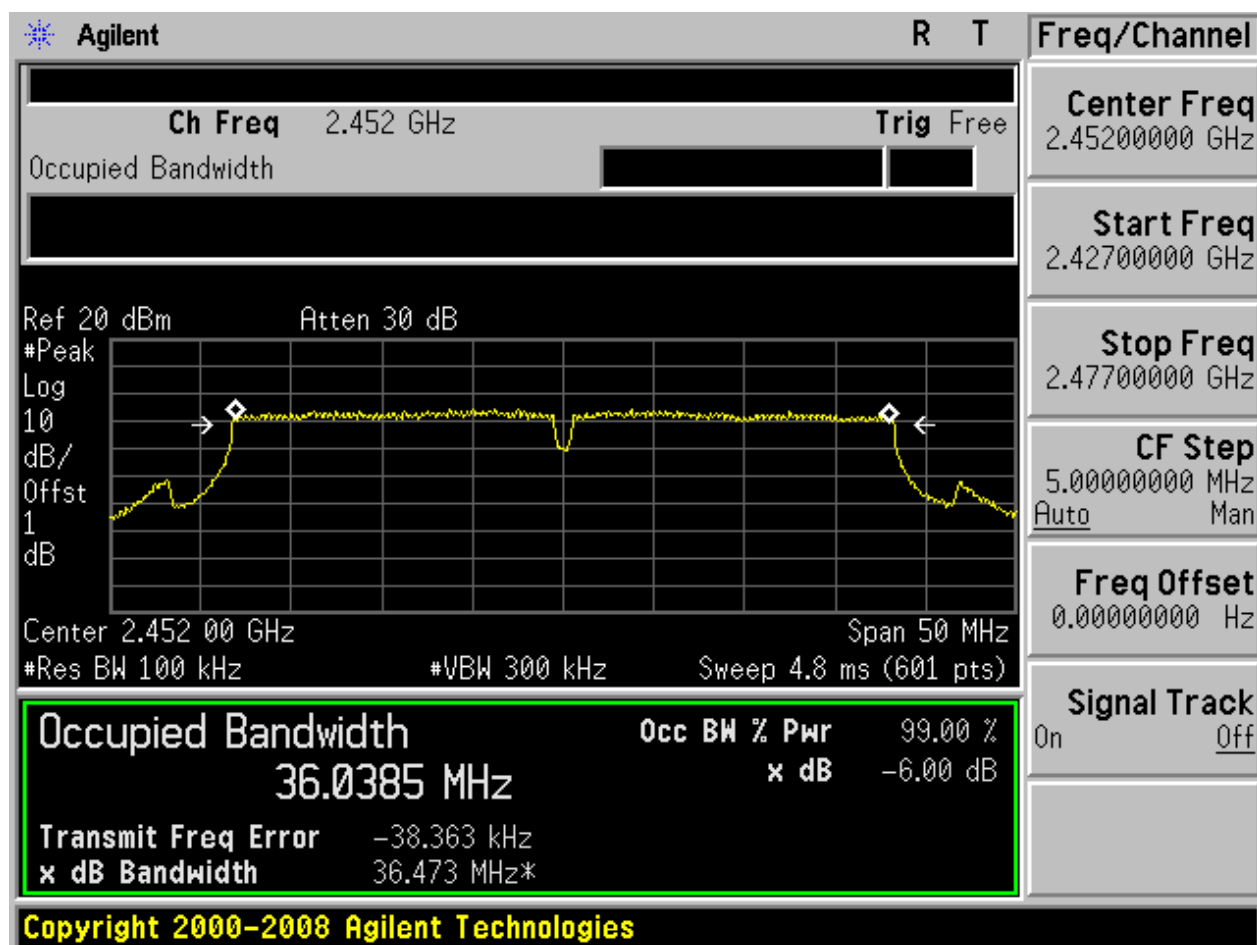




2.36 11N40m_H@Ant 2



2.35 11N40m_H@Ant 1



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

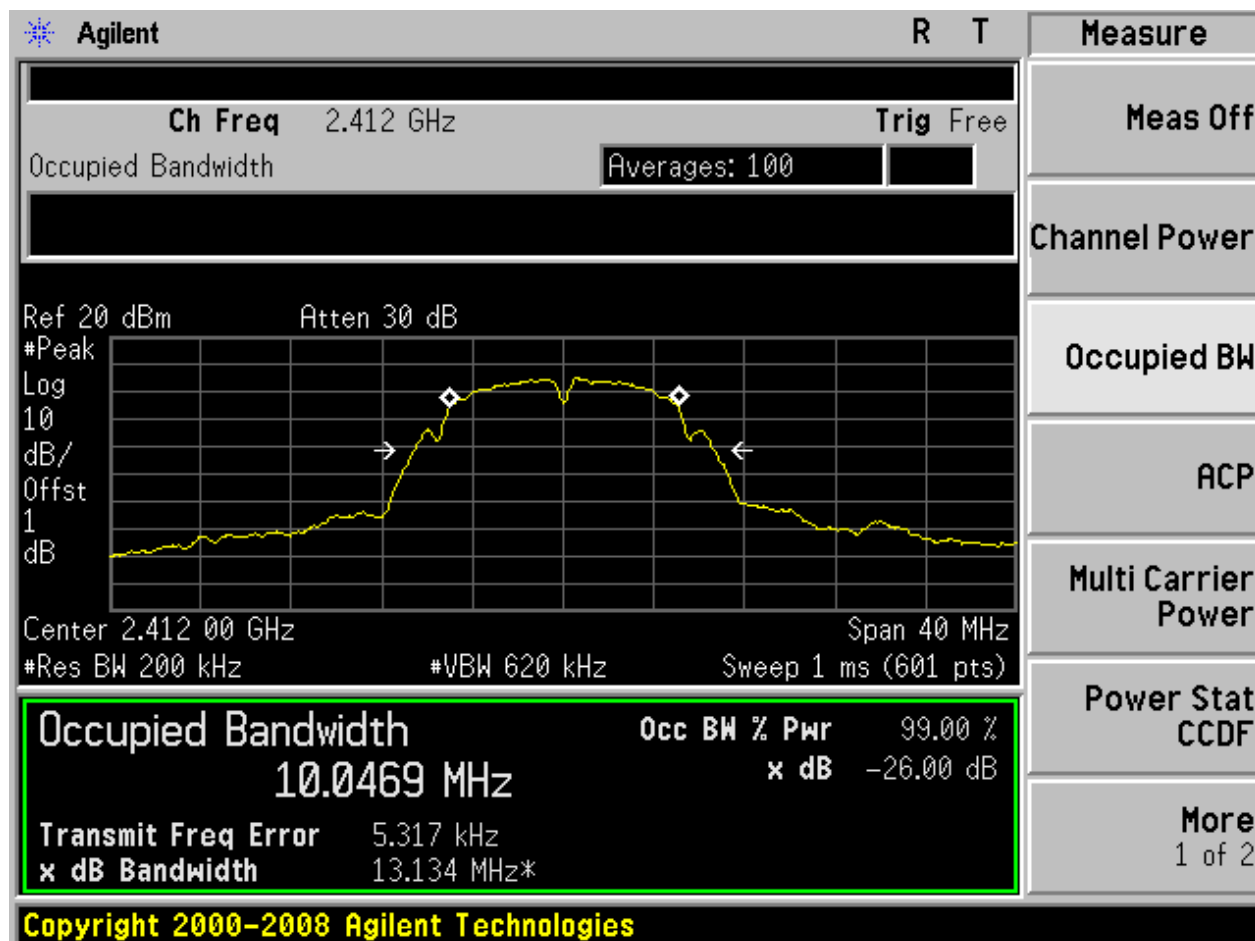
Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11B	L	2412	Ant 1	10.05	pass
11B	L	2412	Ant 2	10.02	pass
11B	M	2437	Ant 1	10.09	pass
11B	M	2437	Ant 2	10.06	pass
11B	H	2462	Ant 1	10.08	pass
11B	H	2462	Ant 2	10.09	pass
11G	L	2412	Ant 2	16.50	pass
11G	L	2412	Ant 1	16.50	pass
11G	M	2437	Ant 2	16.49	pass
11G	M	2437	Ant 1	16.48	pass
11G	H	2462	Ant 2	16.53	pass
11G	H	2462	Ant 1	16.49	pass
11N20	L	2412	Ant 1	17.62	pass
11N20	L	2412	Ant 2	17.63	pass
11N20	M	2437	Ant 1	17.65	pass
11N20	M	2437	Ant 2	17.66	pass
11N20	H	2462	Ant 1	17.64	pass
11N20	H	2462	Ant 2	17.65	pass
11N40	L	2422	Ant 1	35.88	pass
11N40	L	2422	Ant 2	35.86	pass
11N40	M	2437	Ant 1	36.00	pass
11N40	M	2437	Ant 2	35.97	pass
11N40	H	2452	Ant 1	36.06	pass
11N40	H	2452	Ant 2	36.06	pass
11N40m	L	2422	Ant 2	35.88	pass
11N40m	L	2422	Ant 1	35.92	pass
11N40m	M	2437	Ant 2	35.87	pass
11N40m	M	2437	Ant 1	35.94	pass
11N40m	H	2452	Ant 2	35.99	pass
11N40m	H	2452	Ant 1	36.05	pass
11N20m	L	2412	Ant 1	17.62	pass
11N20m	L	2412	Ant 2	17.64	pass
11N20m	M	2437	Ant 1	17.62	pass
11N20m	M	2437	Ant 2	17.64	pass



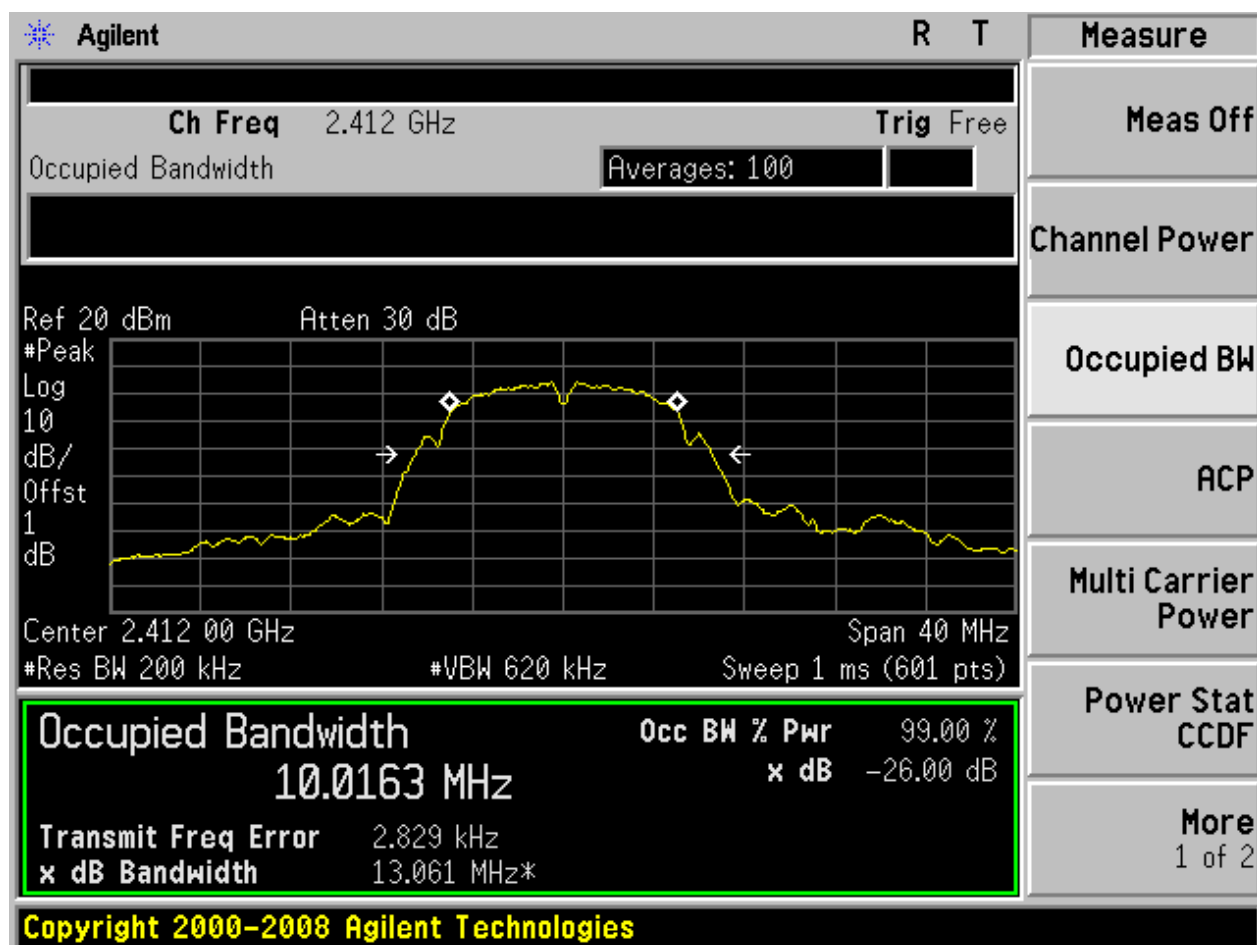
Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11N20m	H	2462	Ant 1	17.66	pass
11N20m	H	2462	Ant 2	17.67	pass

Part II - Test Plots

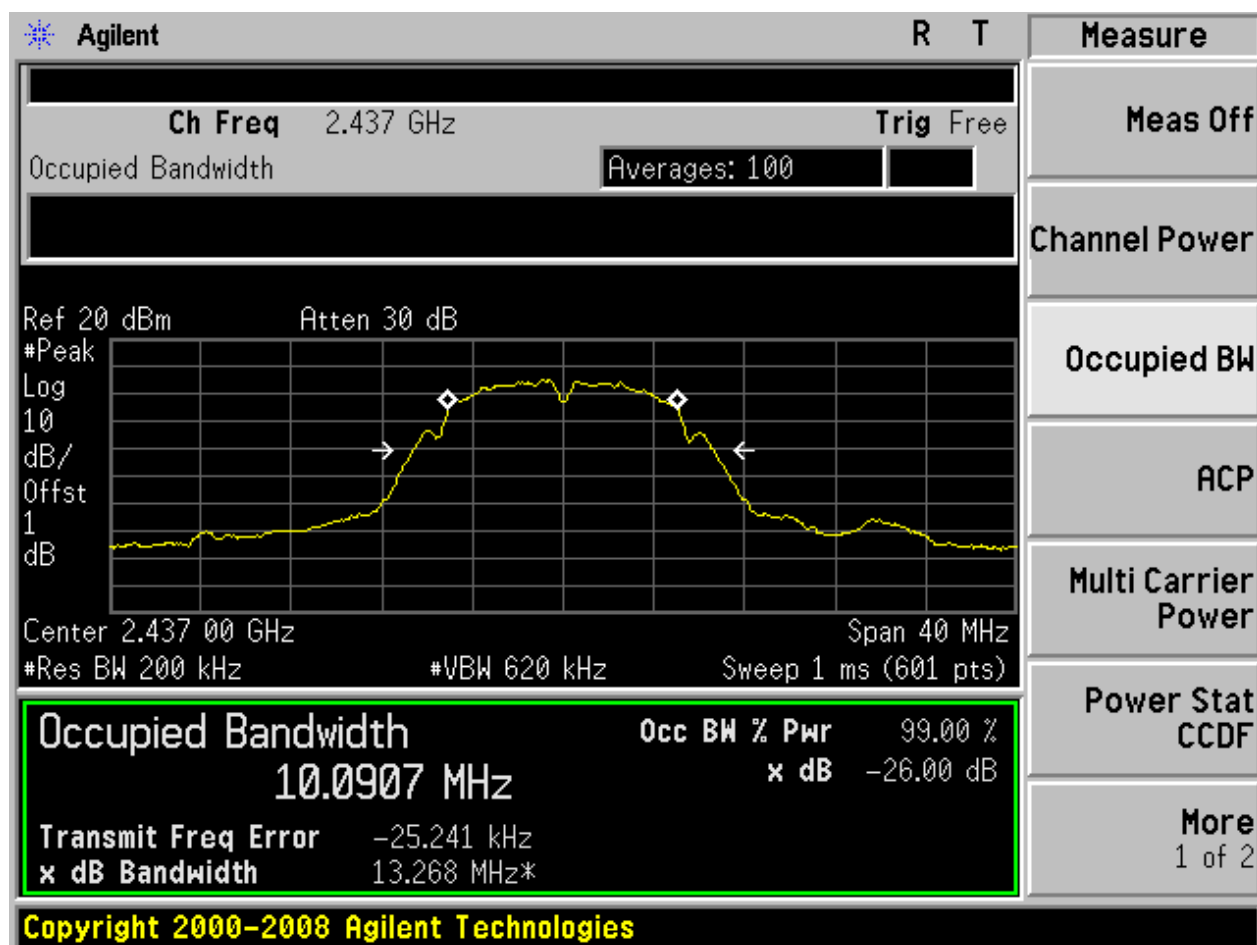
2.1 11B_L@Ant 1



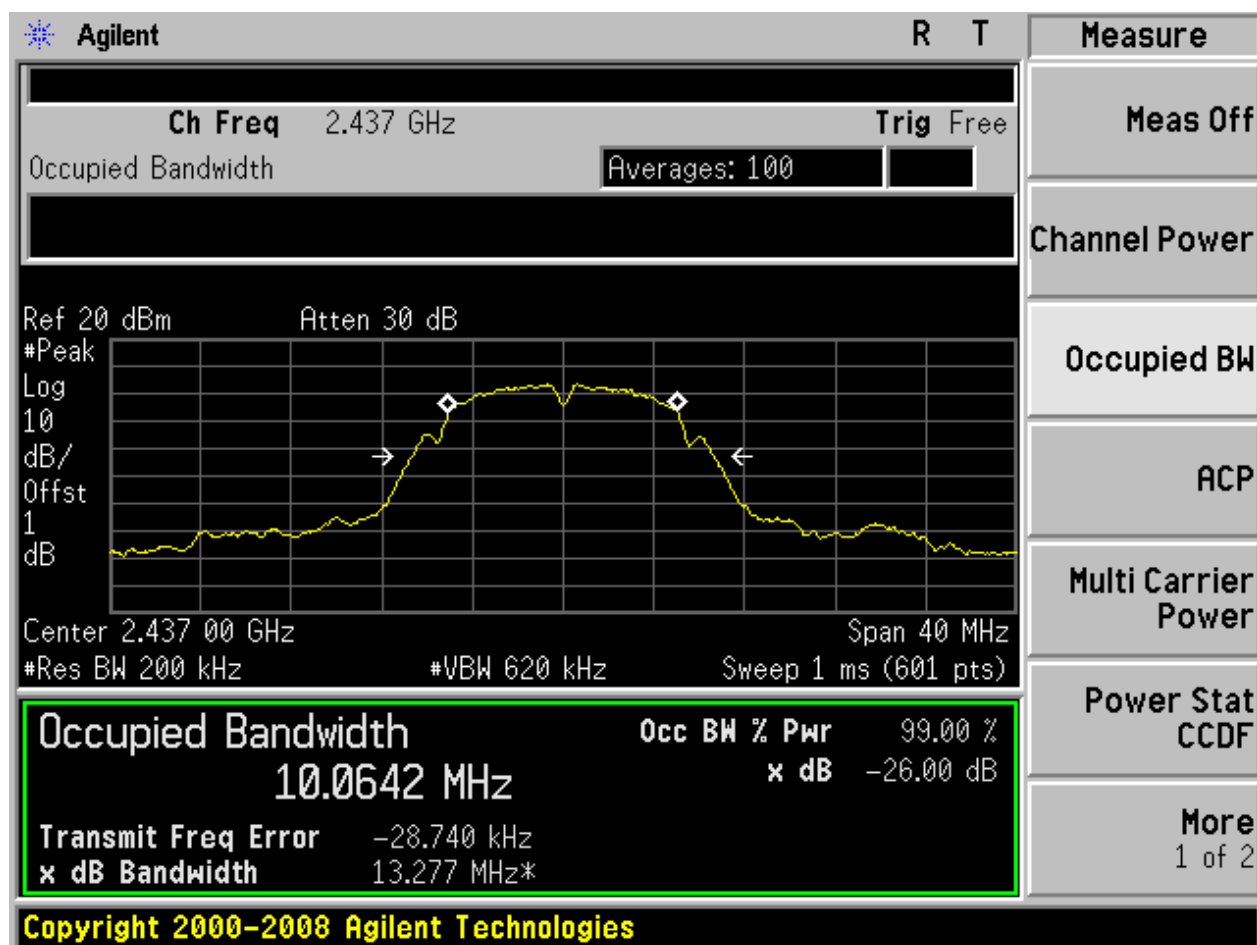
2.2 11B_L@Ant 2



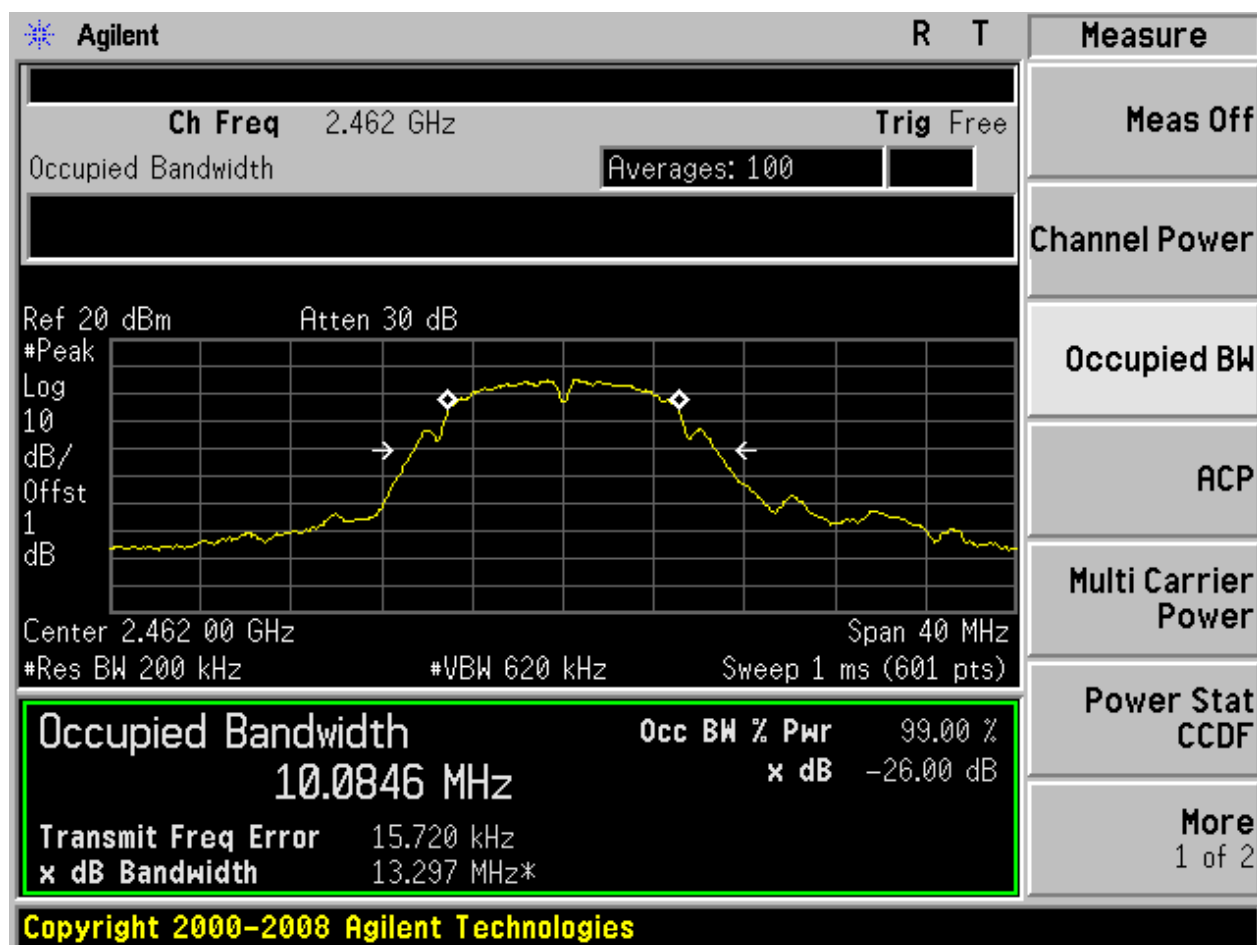
2.3 11B_M@Ant 1



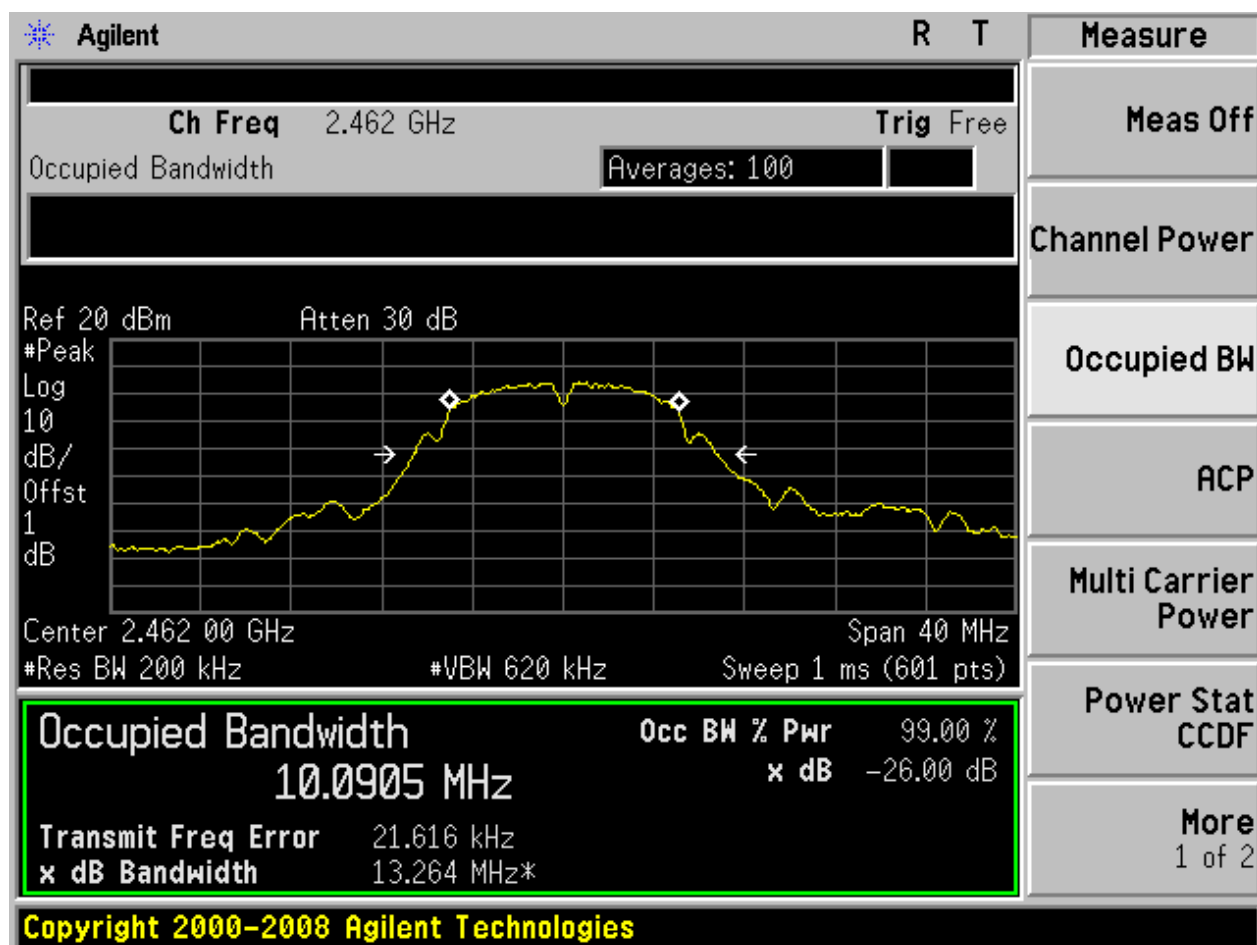
2.4 11B_M@Ant 2



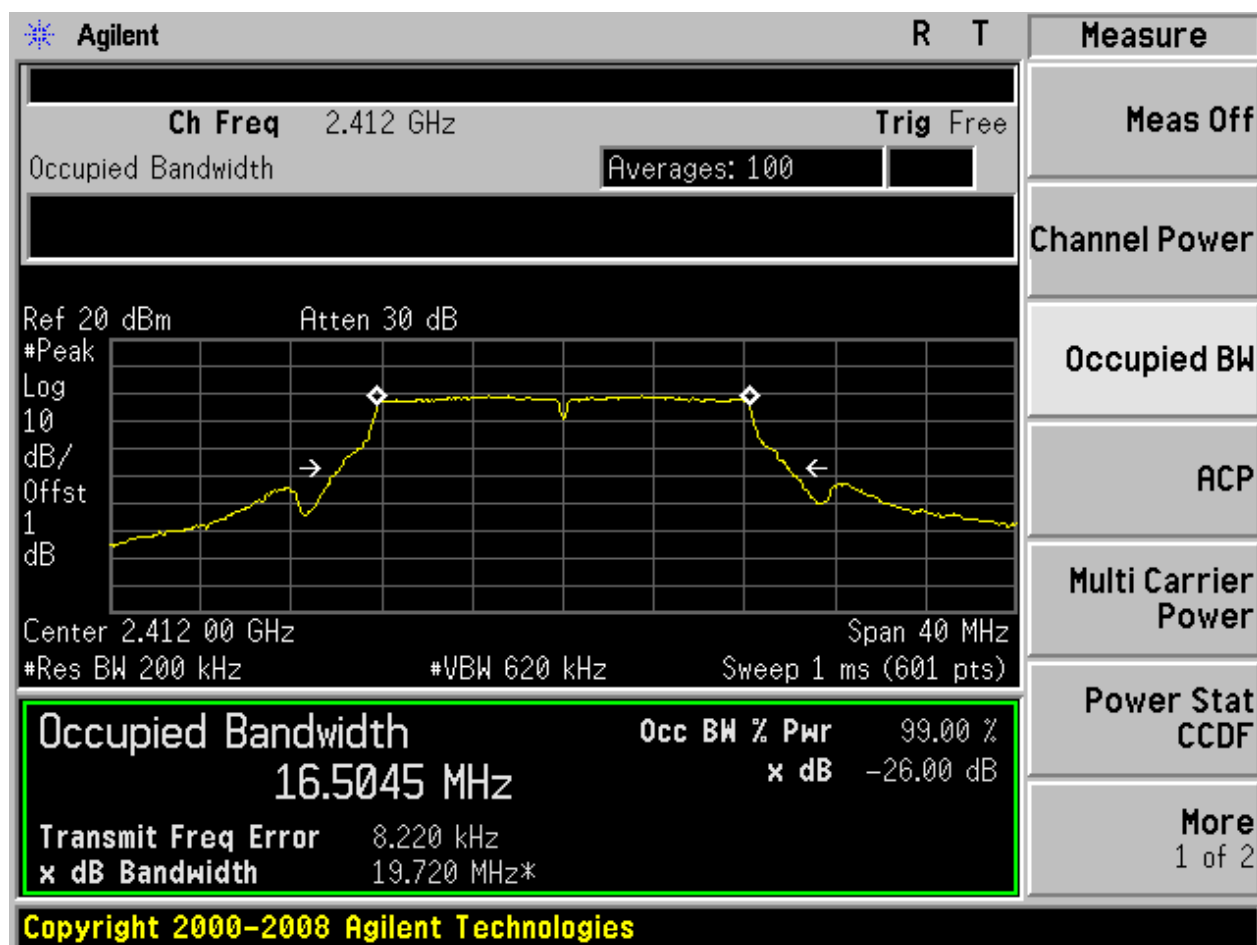
2.5 11B_H@Ant 1



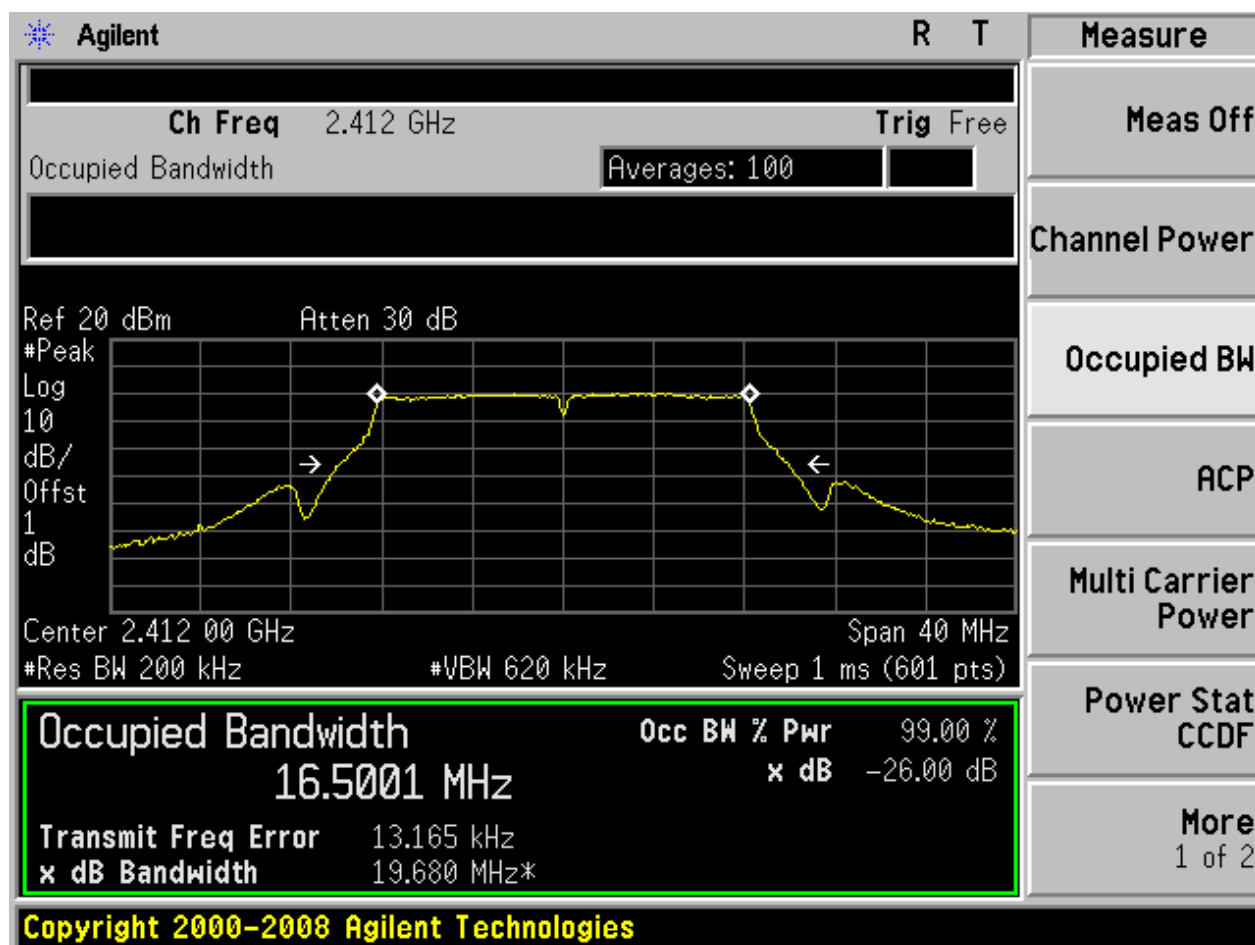
2.6 11B_H@Ant 2



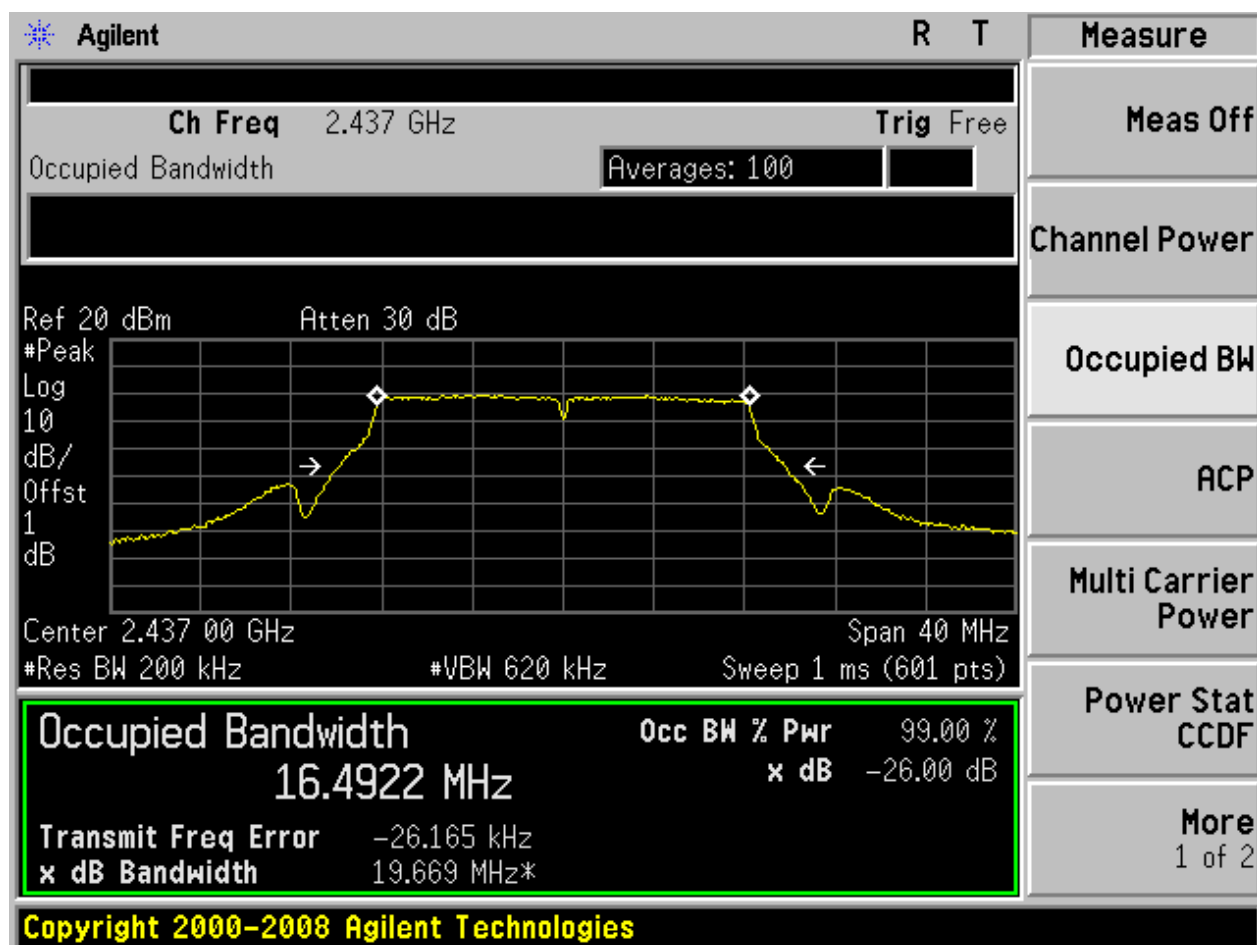
2.8 11G_L@Ant 2



2.7 11G_L@Ant 1

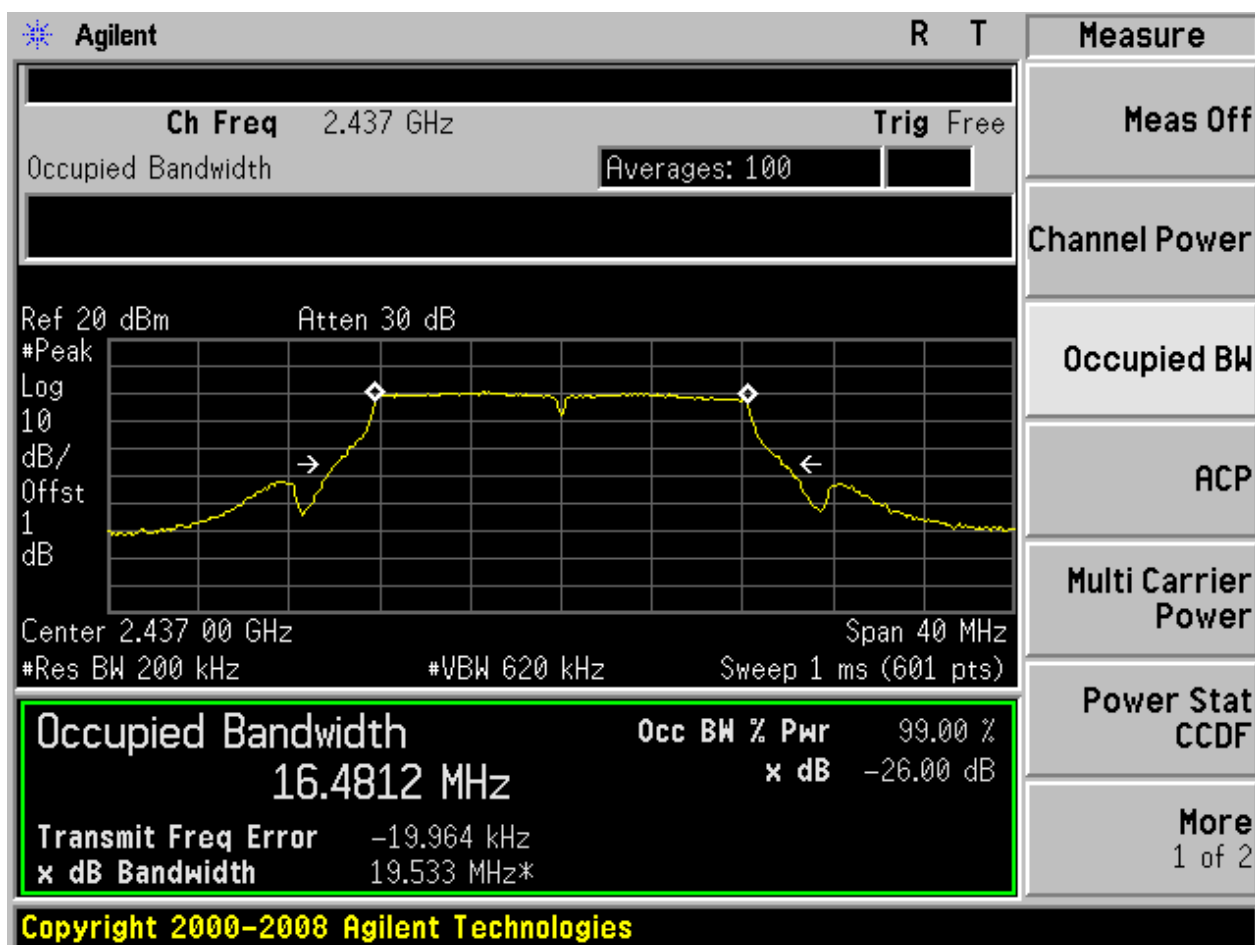


2.10 11G_M@Ant 2

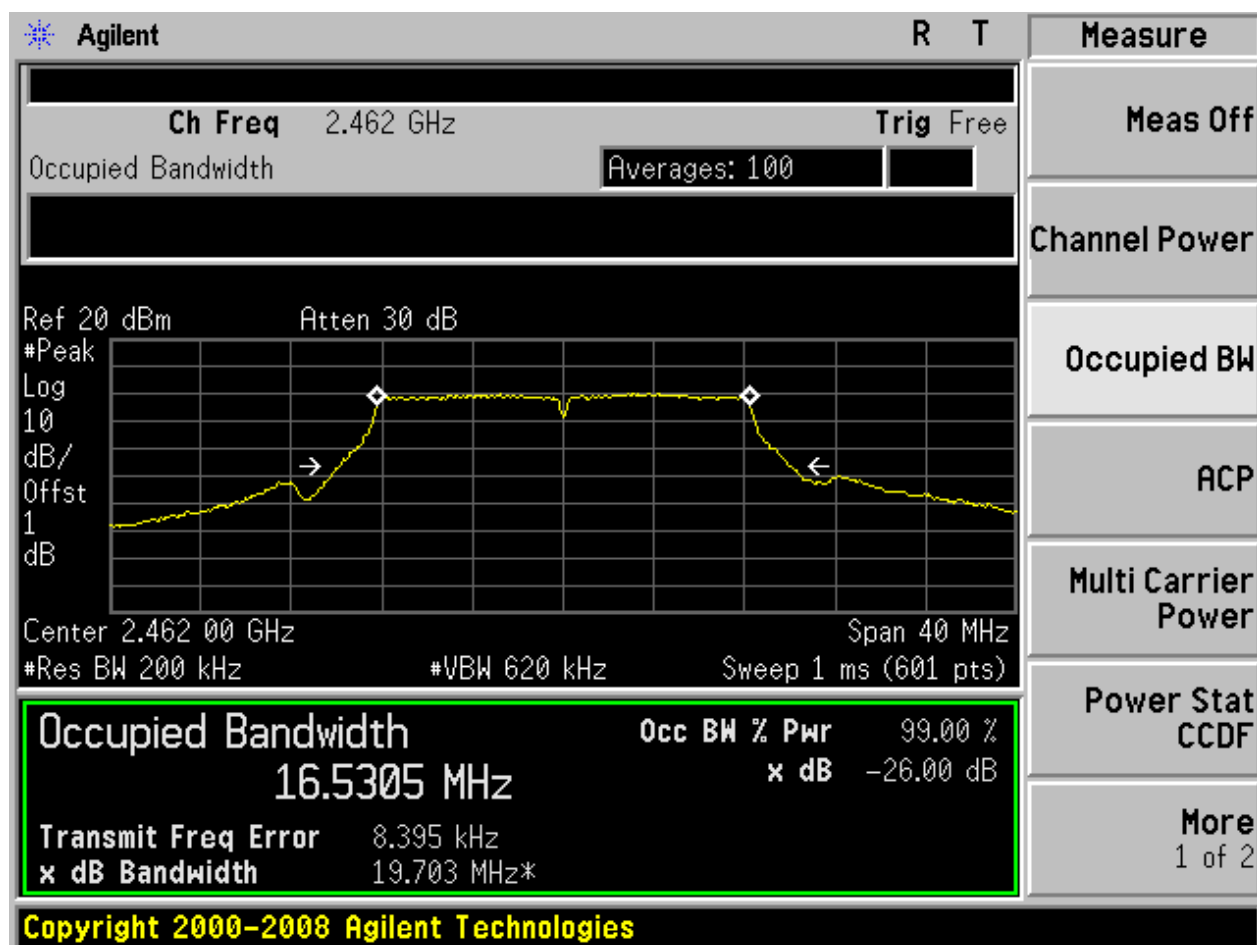




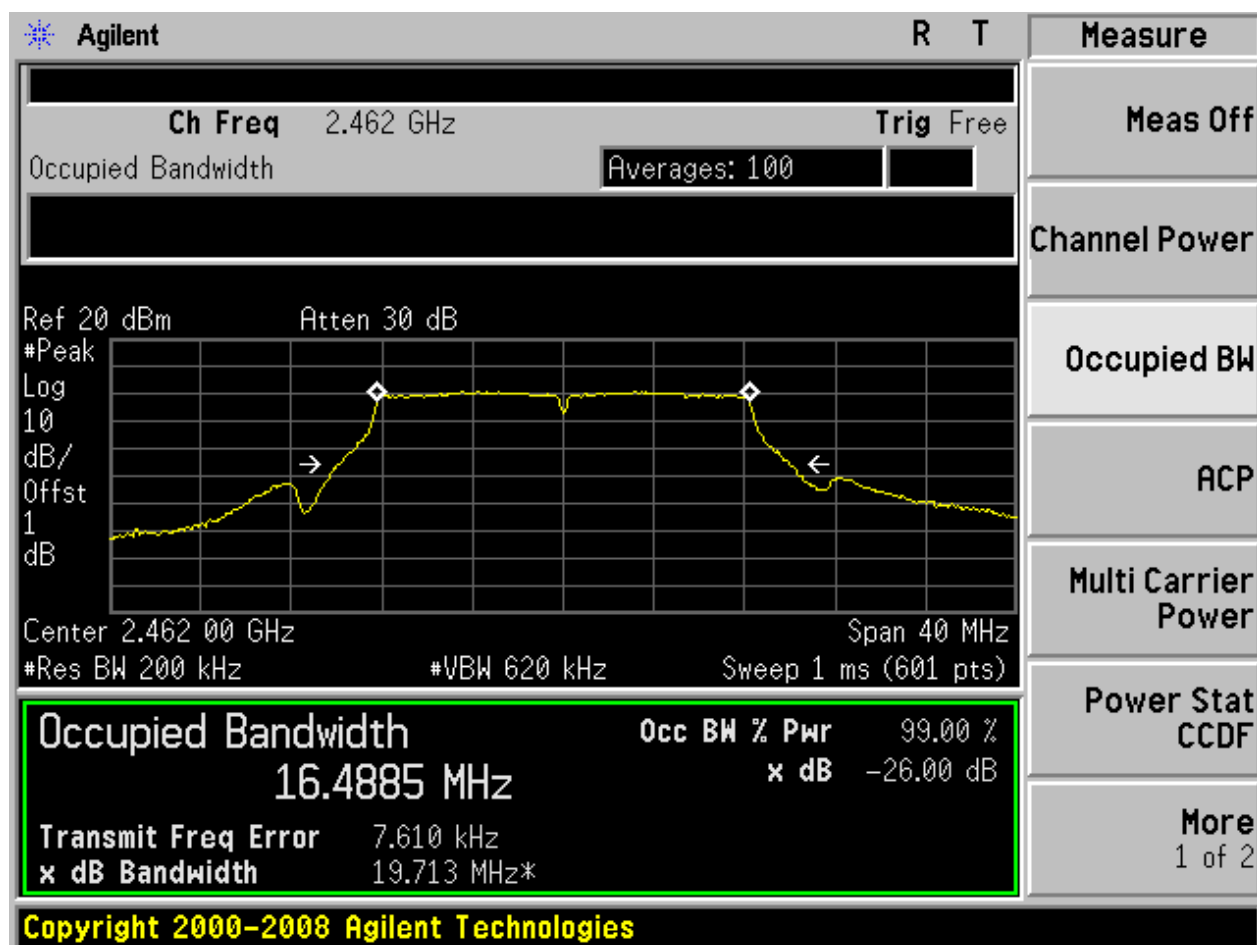
2.9 11G_M@Ant 1



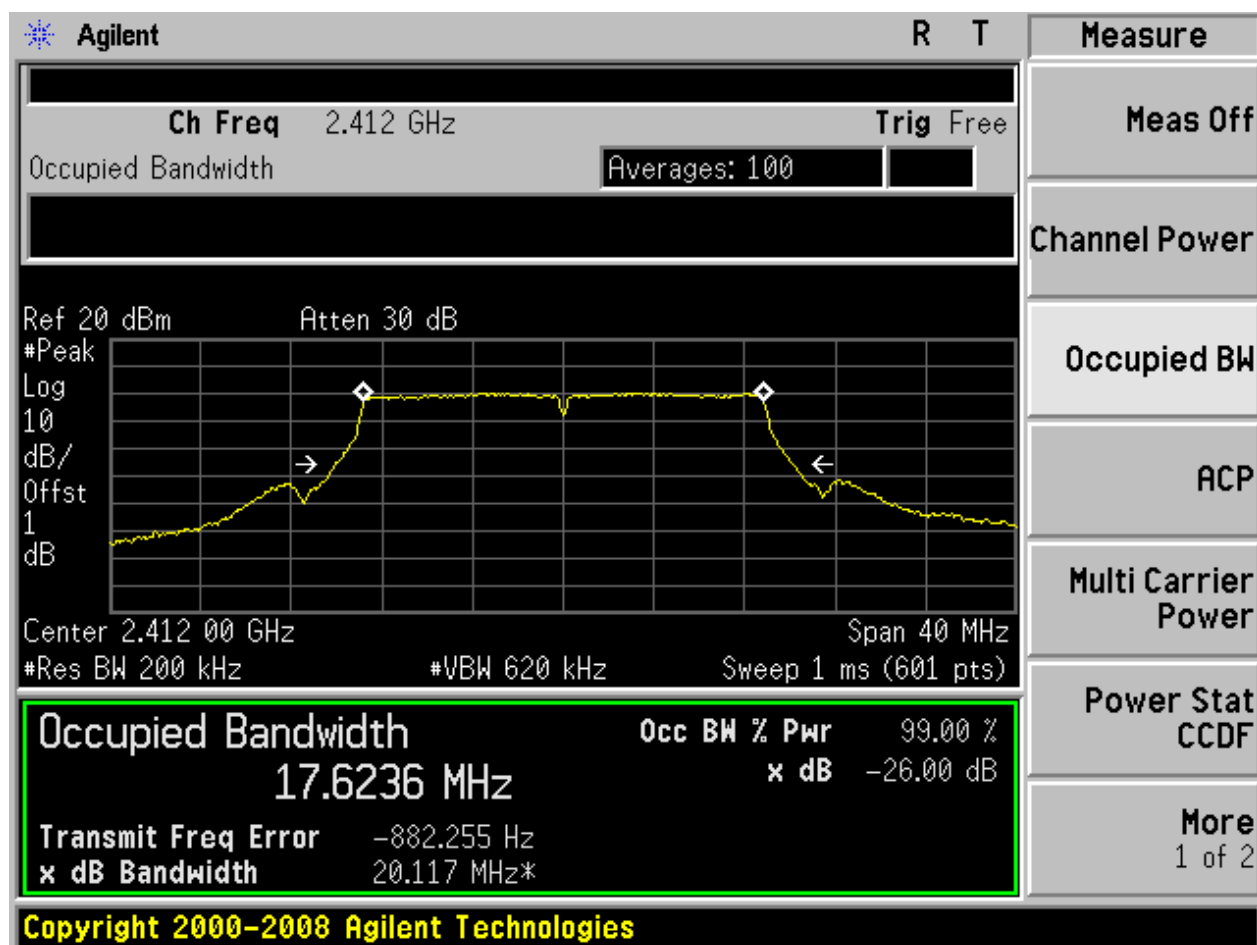
2.12 11G_H@Ant 2



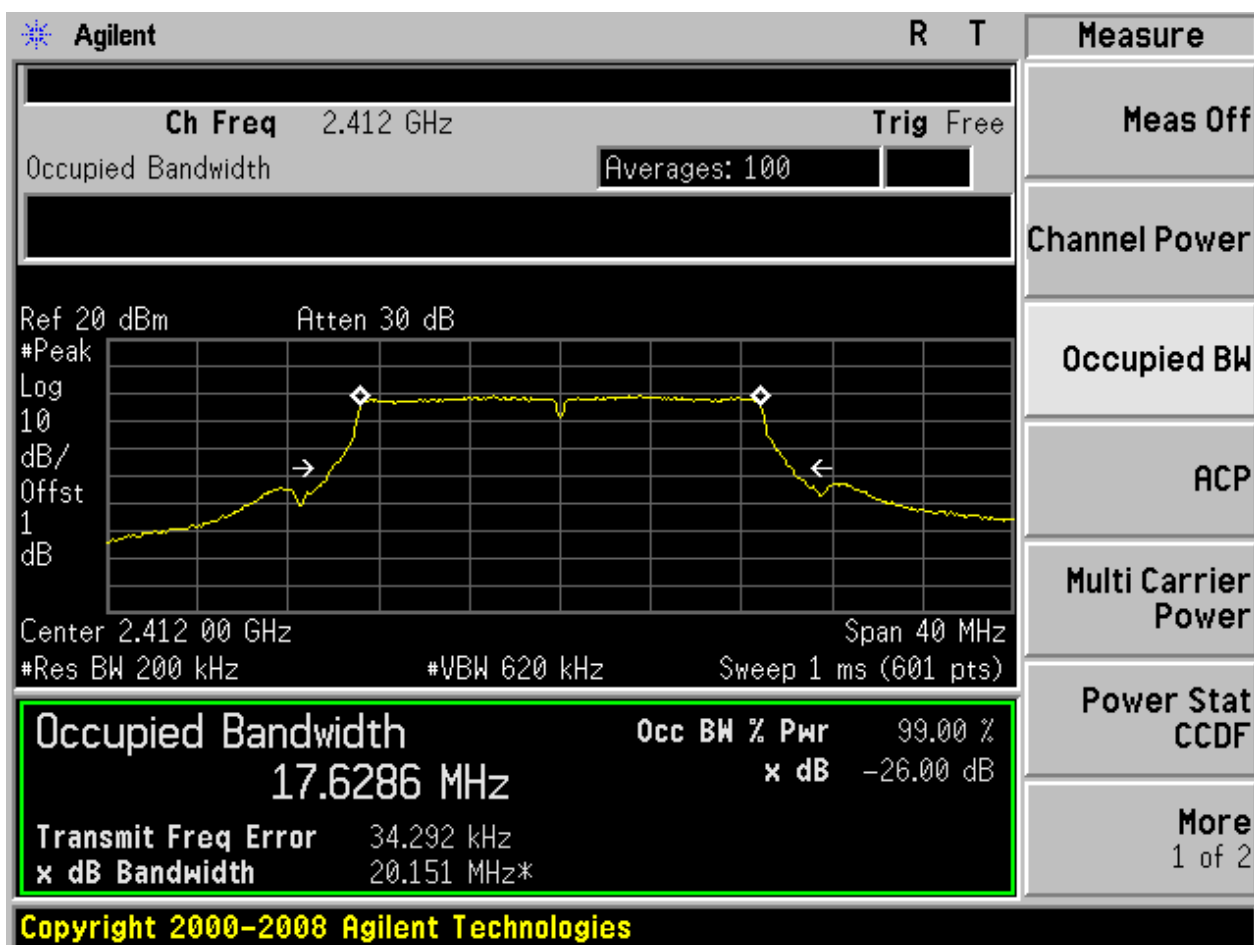
2.11 11G_H@Ant 1



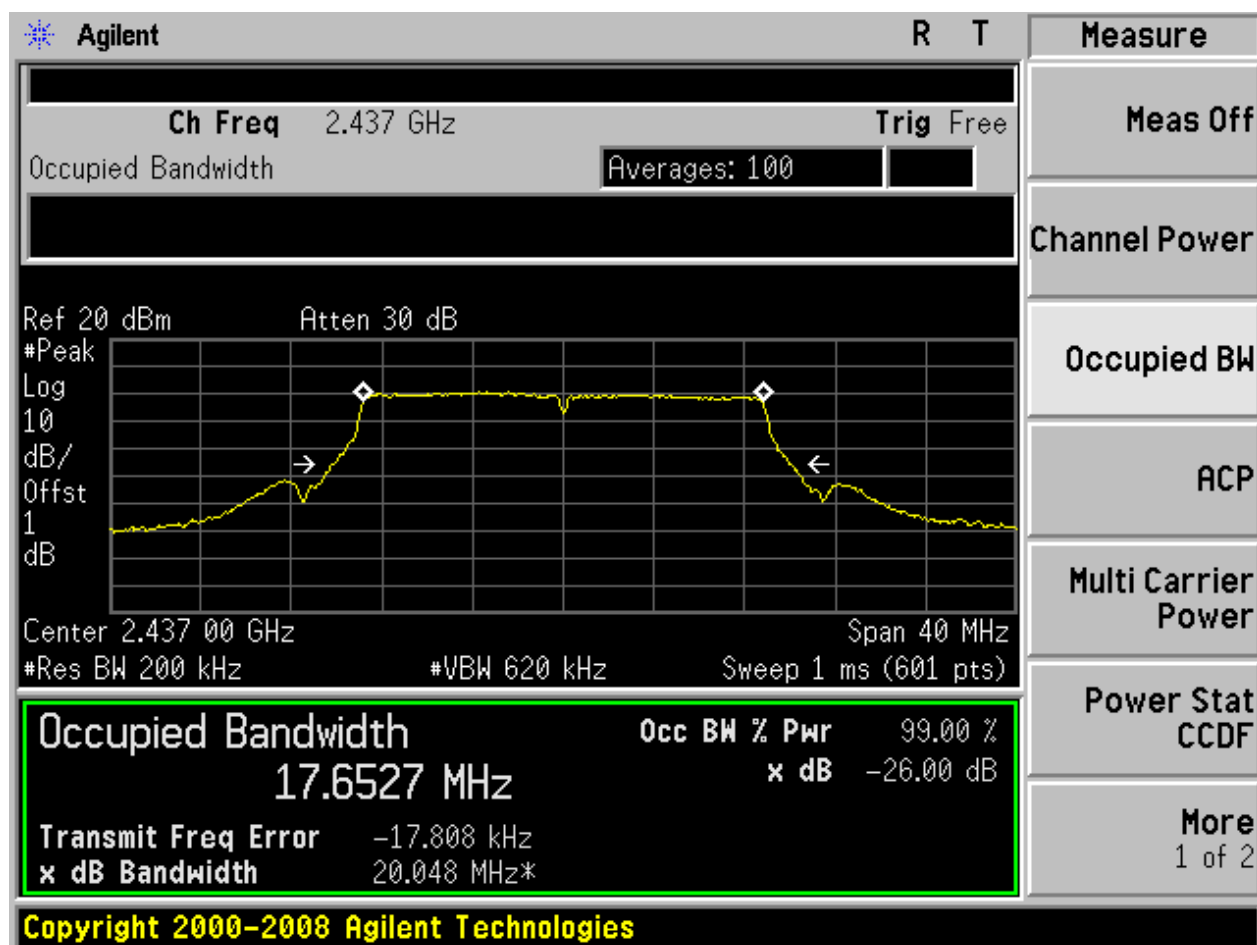
2.13 11N20_L@Ant 1



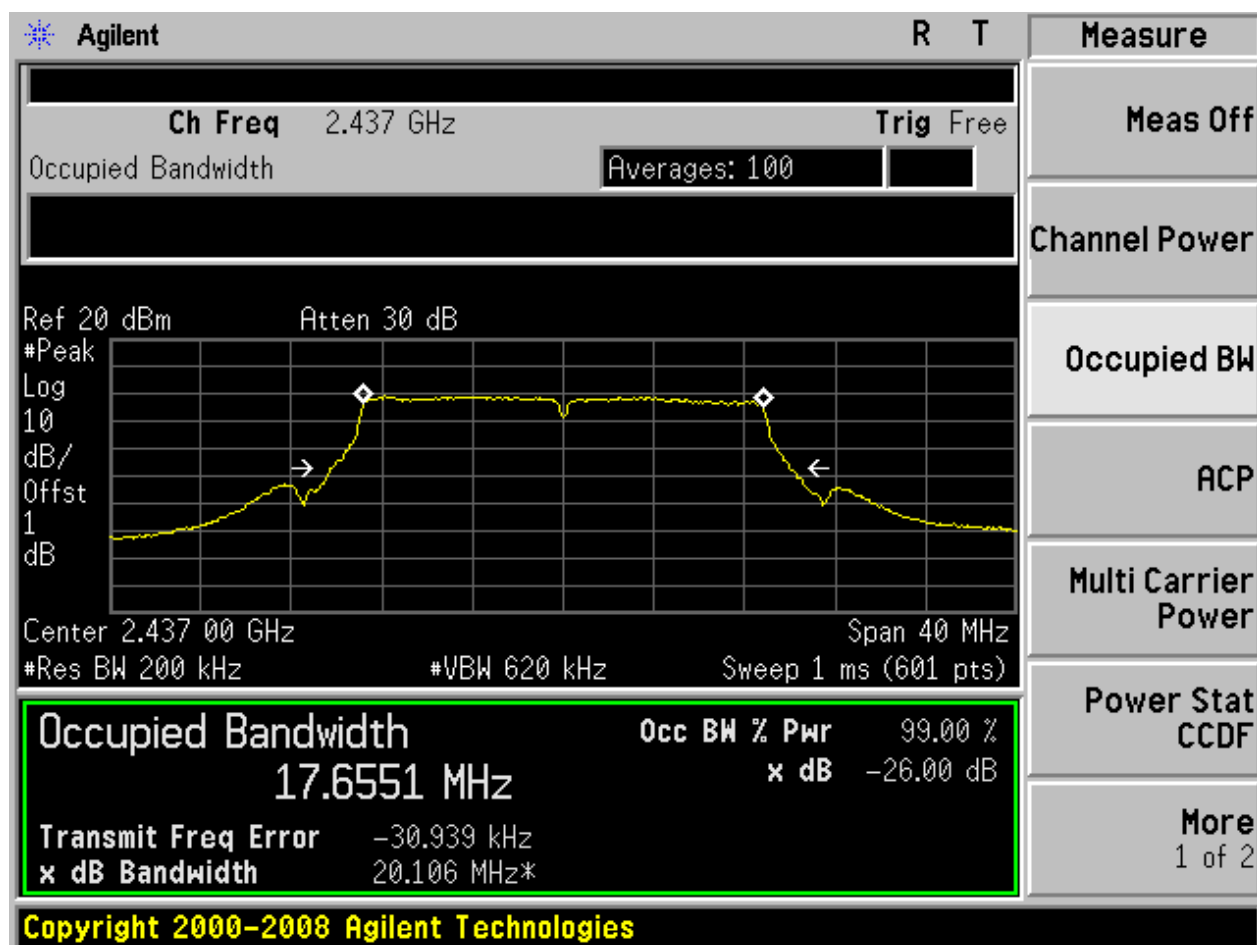
2.14 11N20_L@Ant 2



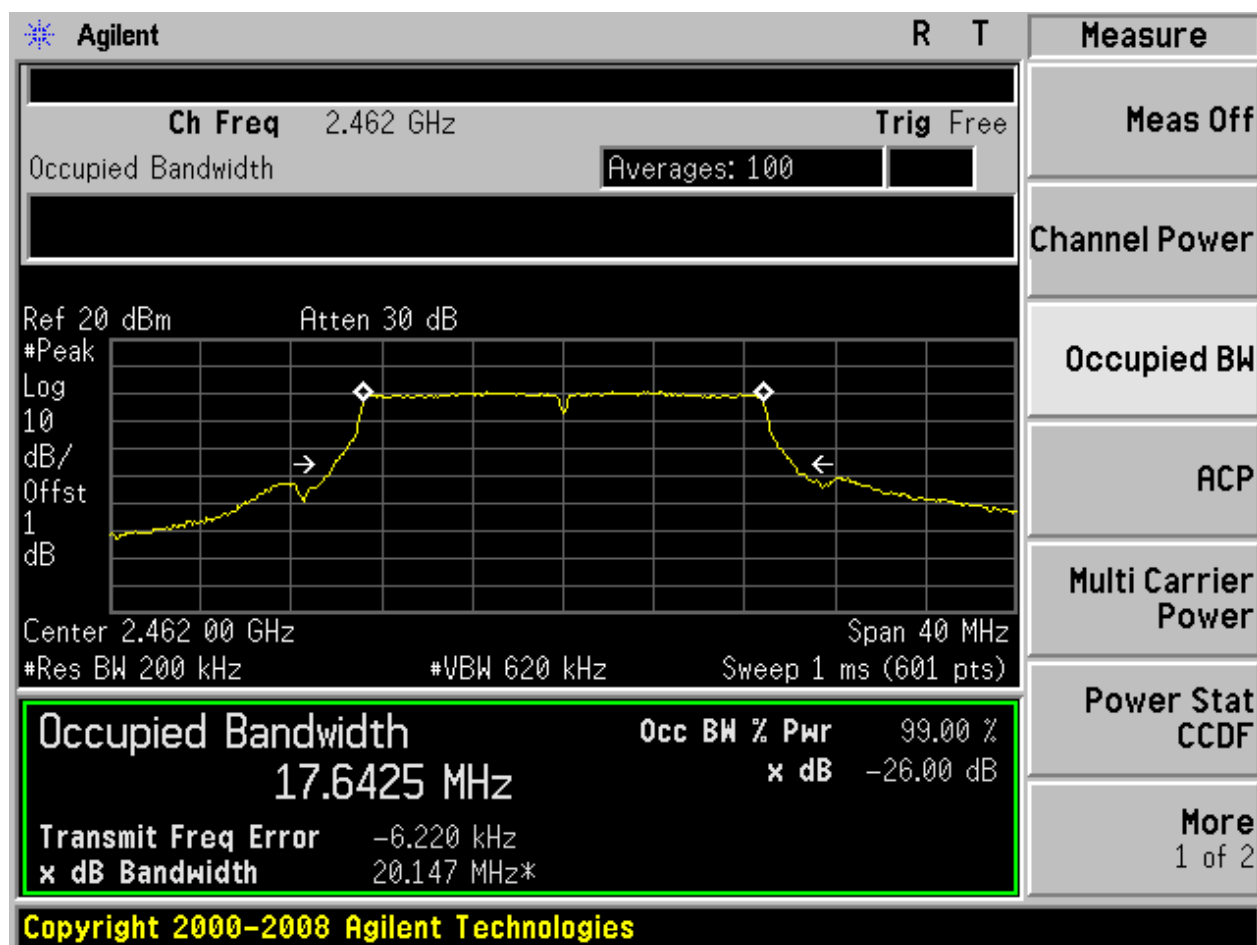
2.15 11N20_M@Ant 1



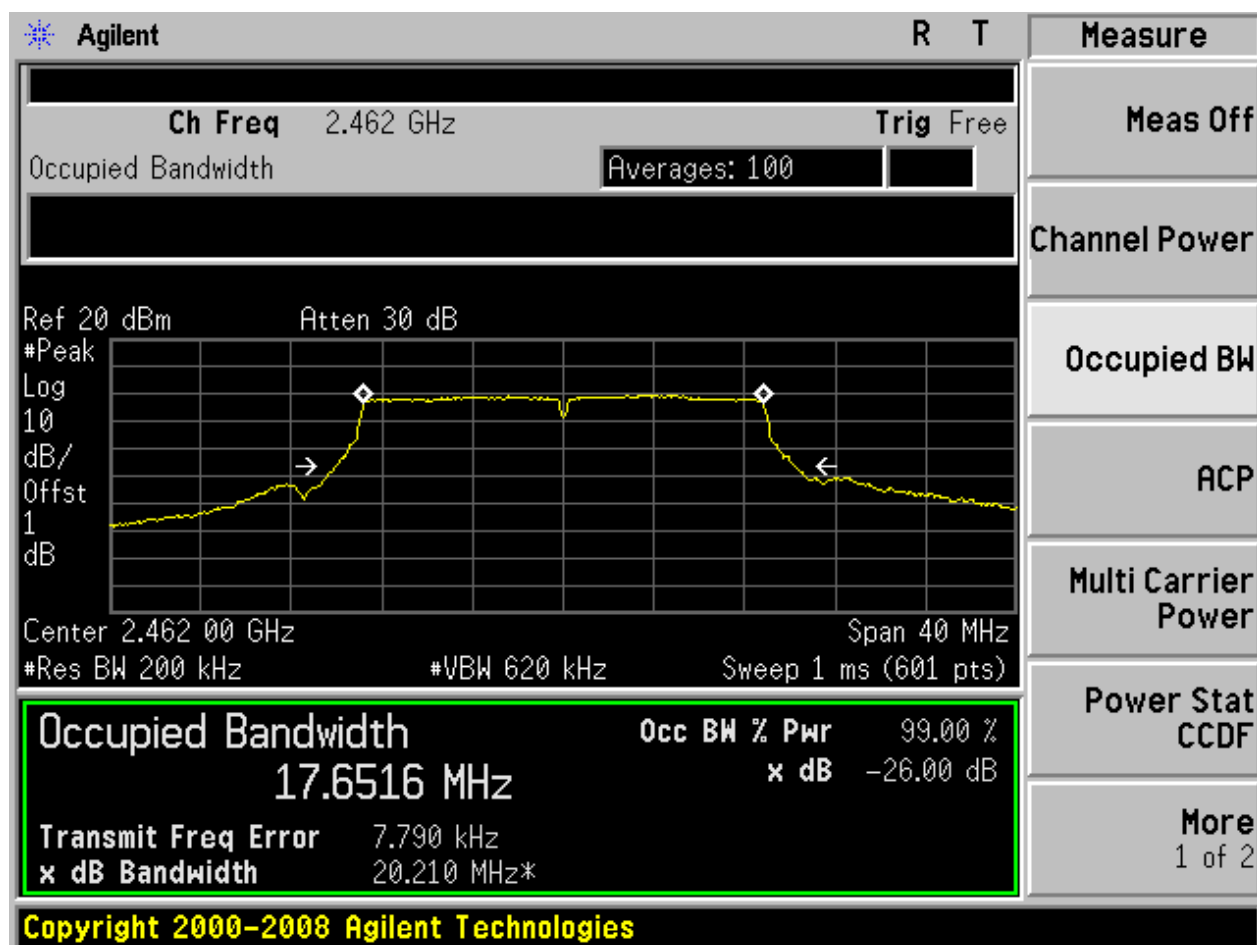
2.16 11N20_M@Ant 2



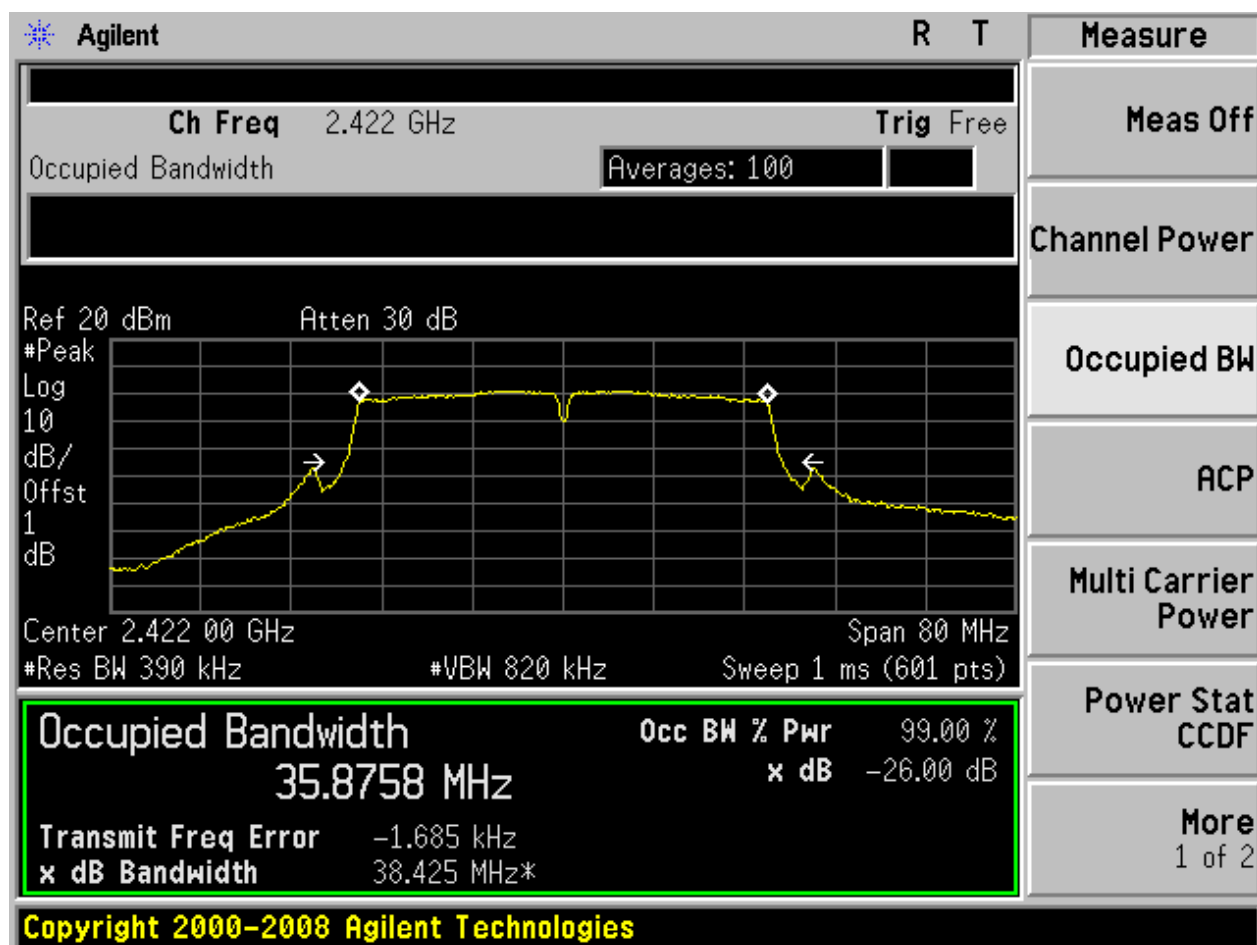
2.17 11N20_H@Ant 1



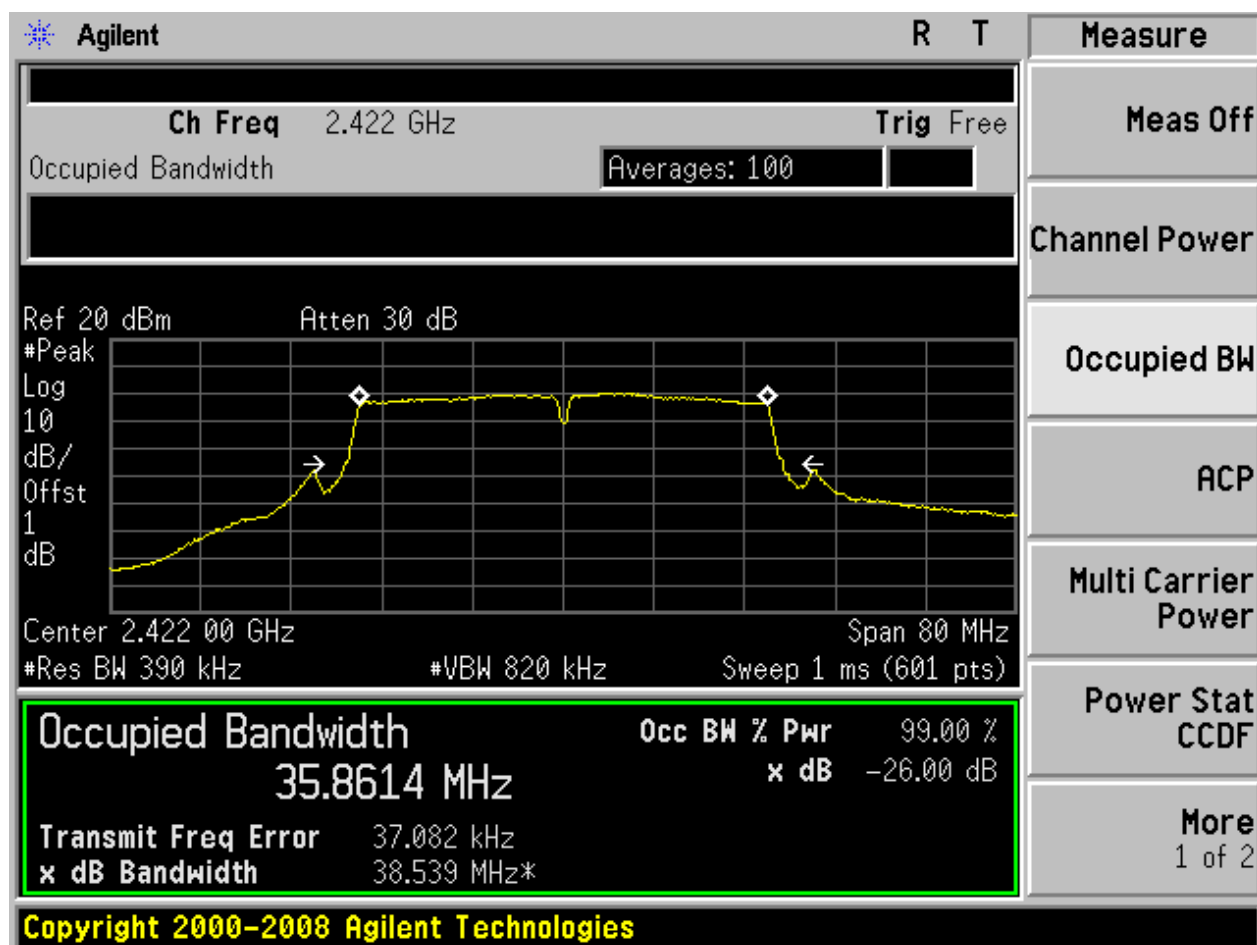
2.18 11N20_H@Ant 2



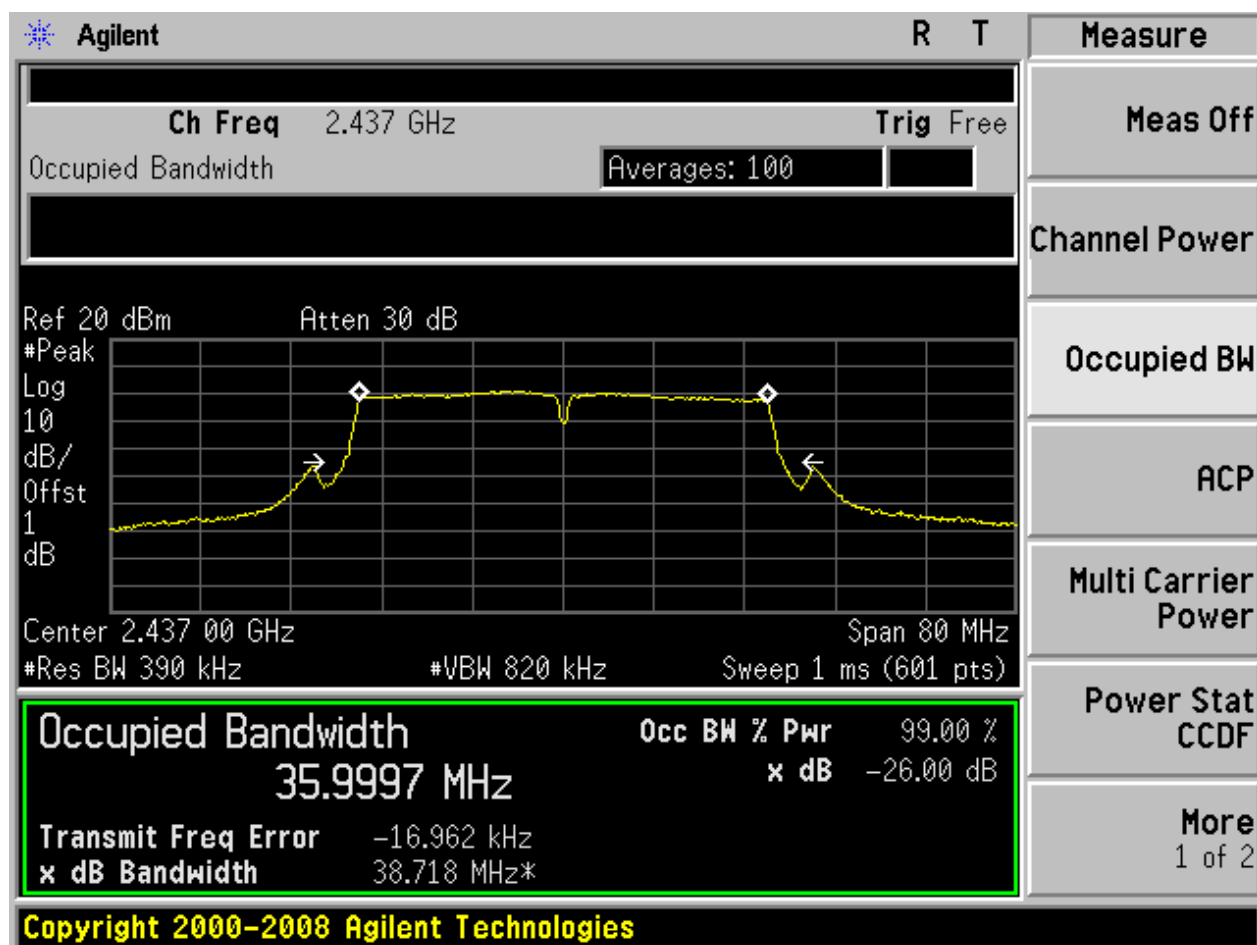
2.19 11N40_L@Ant 1



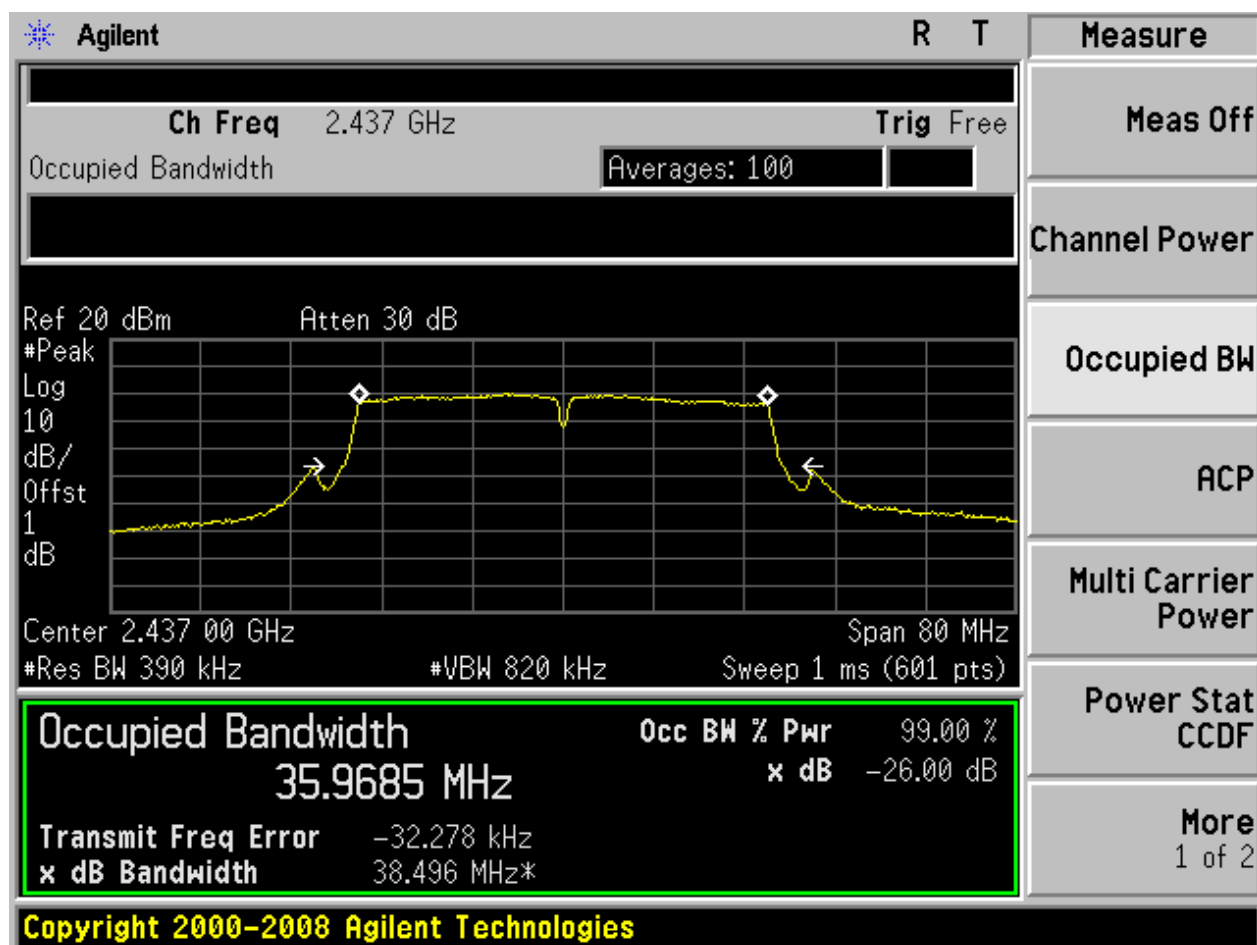
2.20 11N40_L@Ant 2



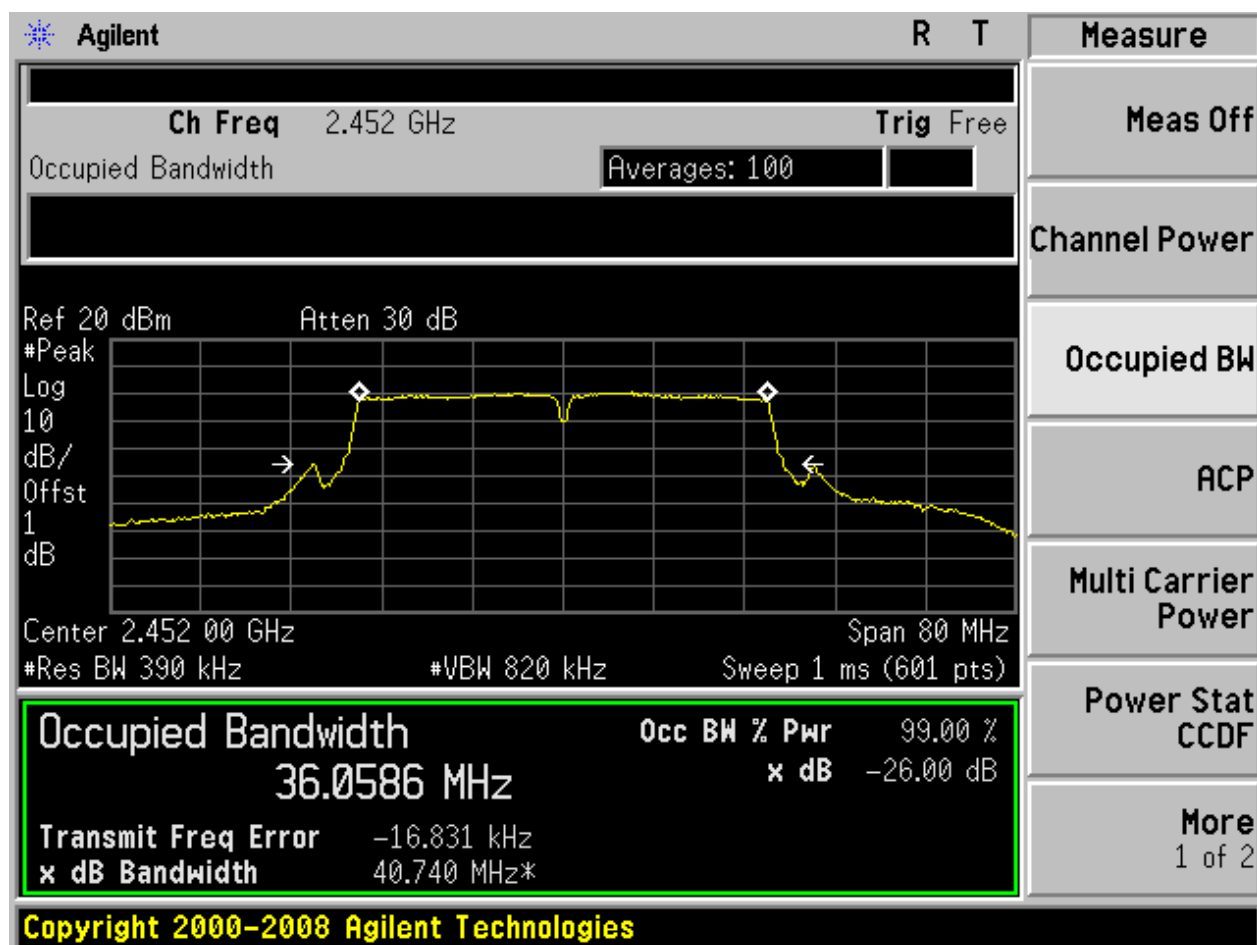
2.21 11N40_M@Ant 1



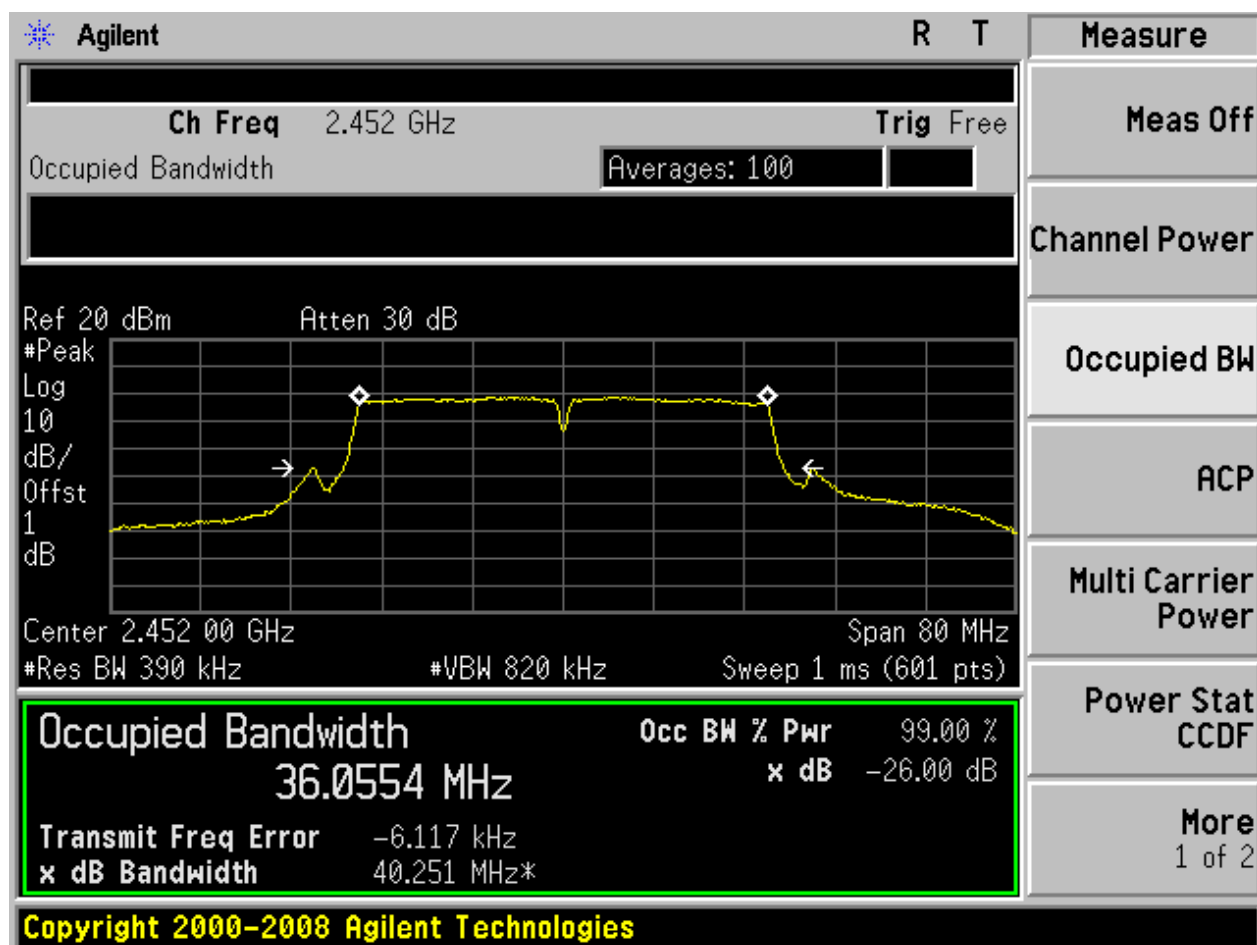
2.22 11N40_M@Ant 2



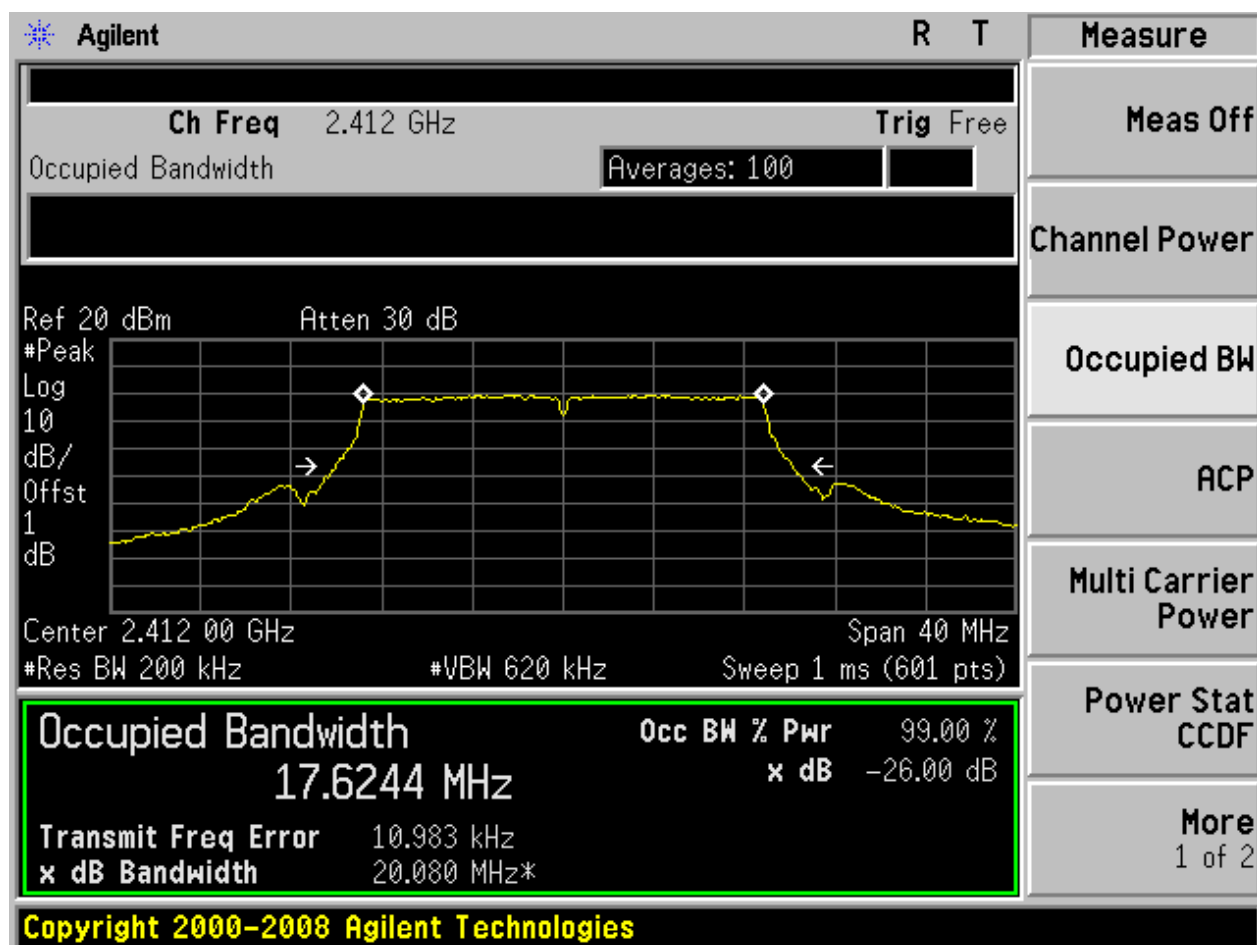
2.23 11N40_H@Ant 1



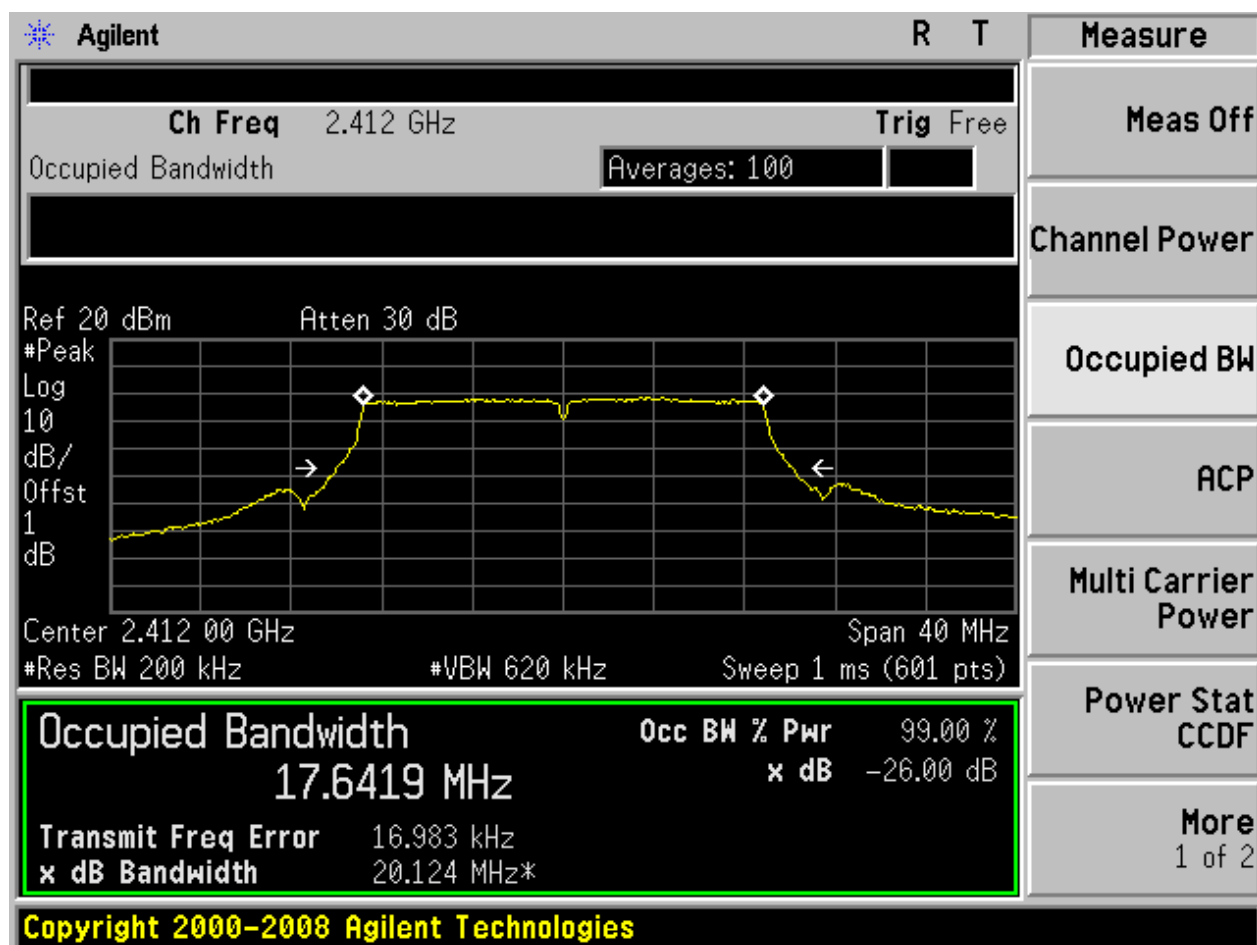
2.24 11N40_H@Ant 2



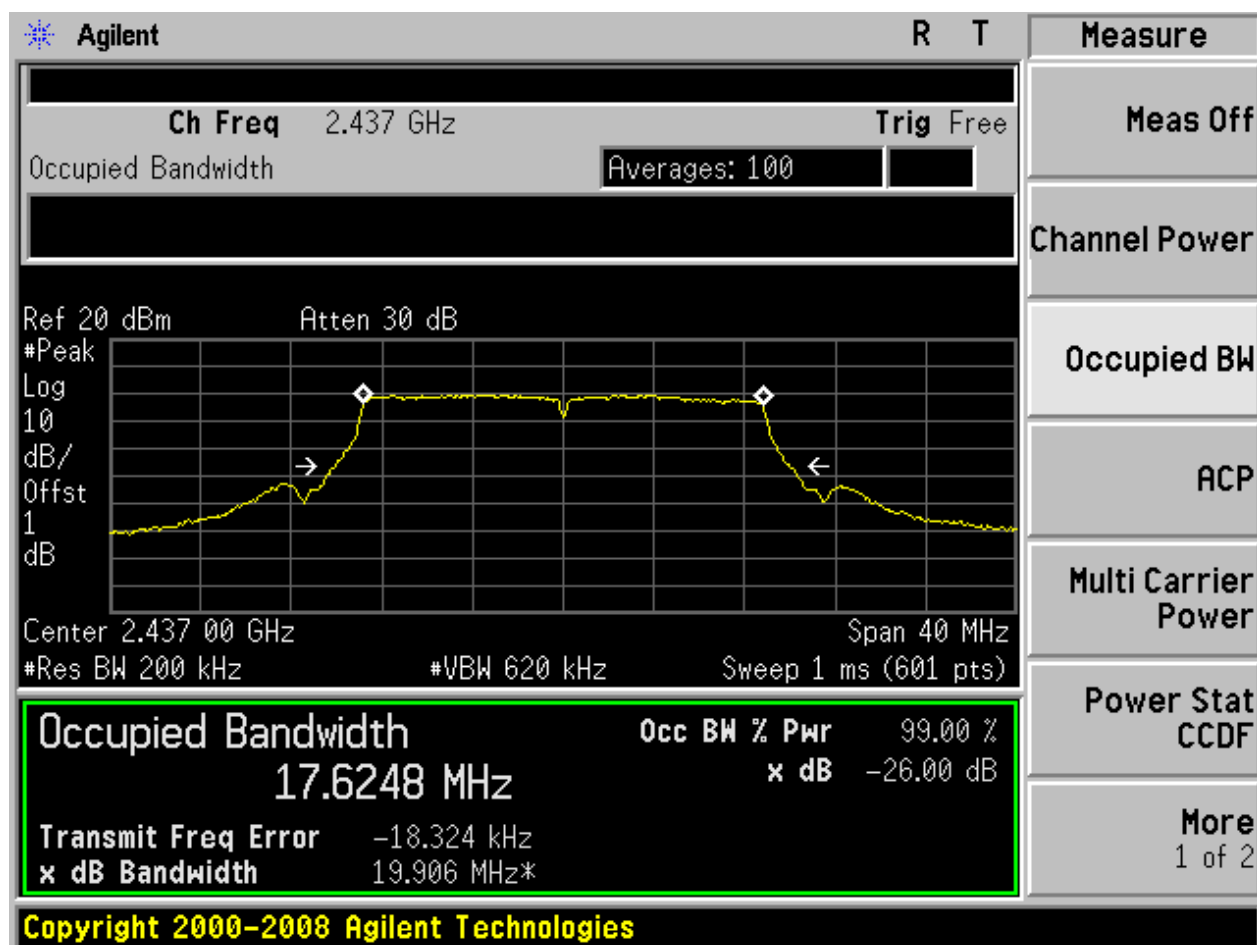
2.25 11N20m_L@Ant 1



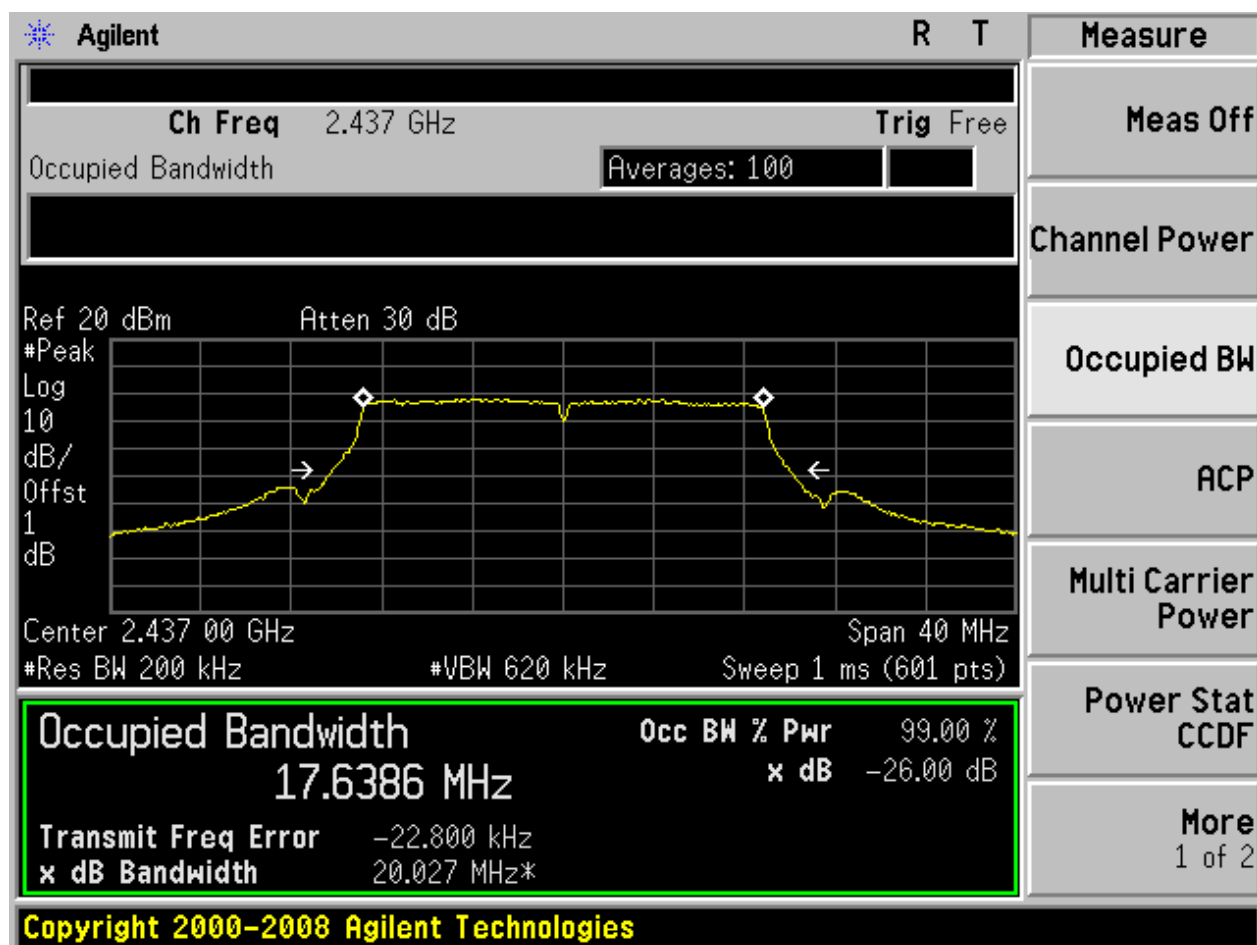
2.26 11N20m_L@Ant 2



2.27 11N20m_M@Ant 1

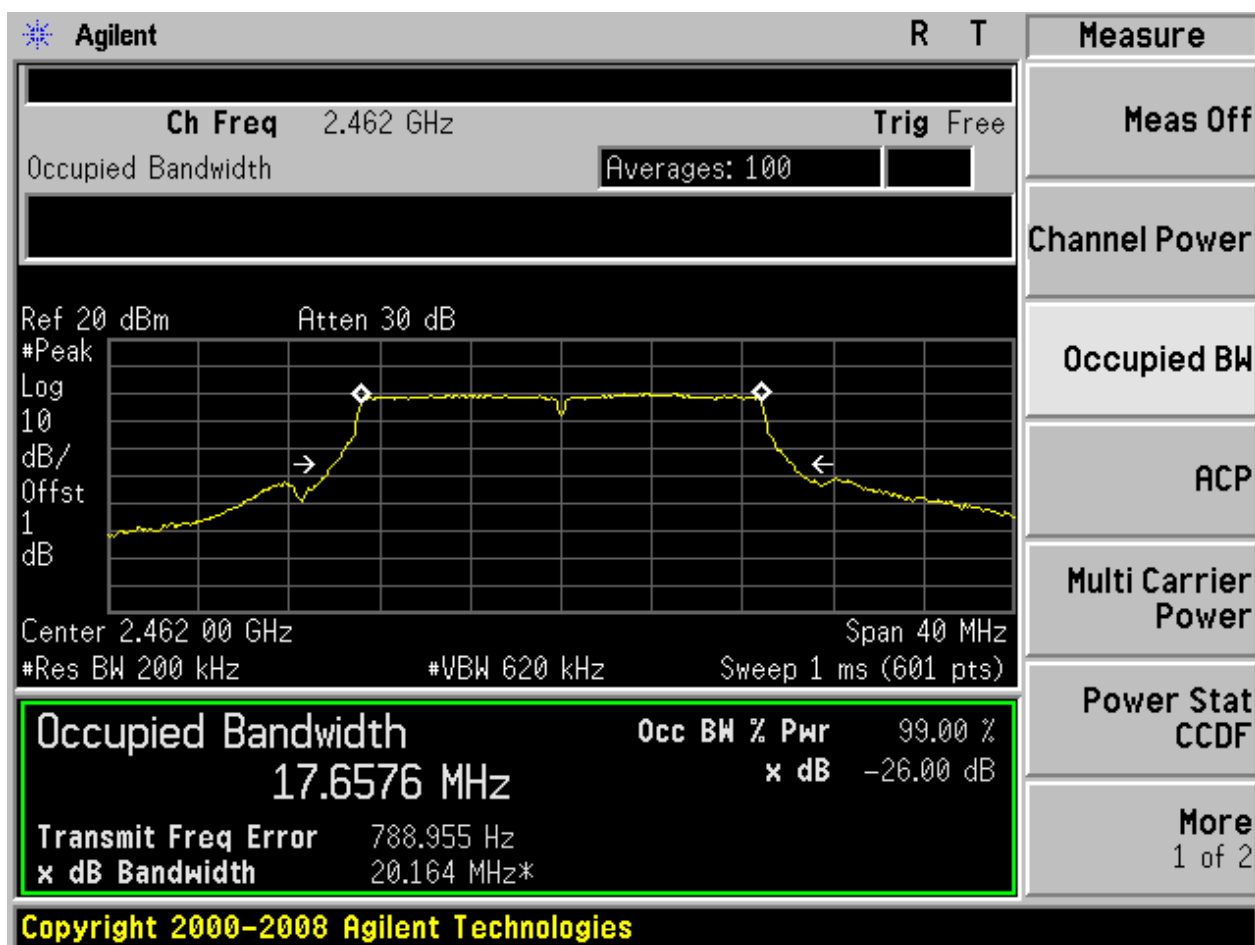


2.28 11N20m_M@Ant 2



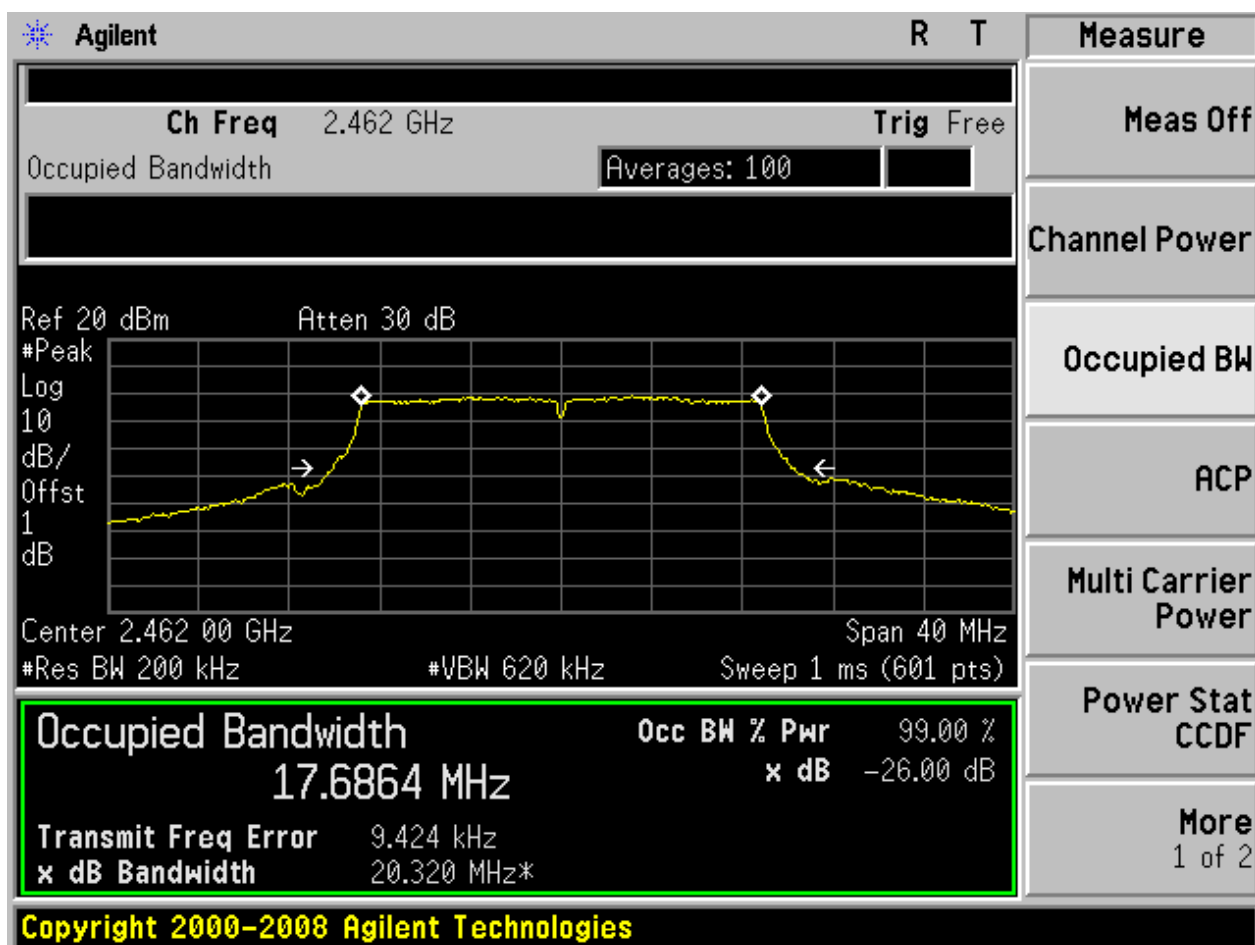


2.29 11N20m_H@Ant 1



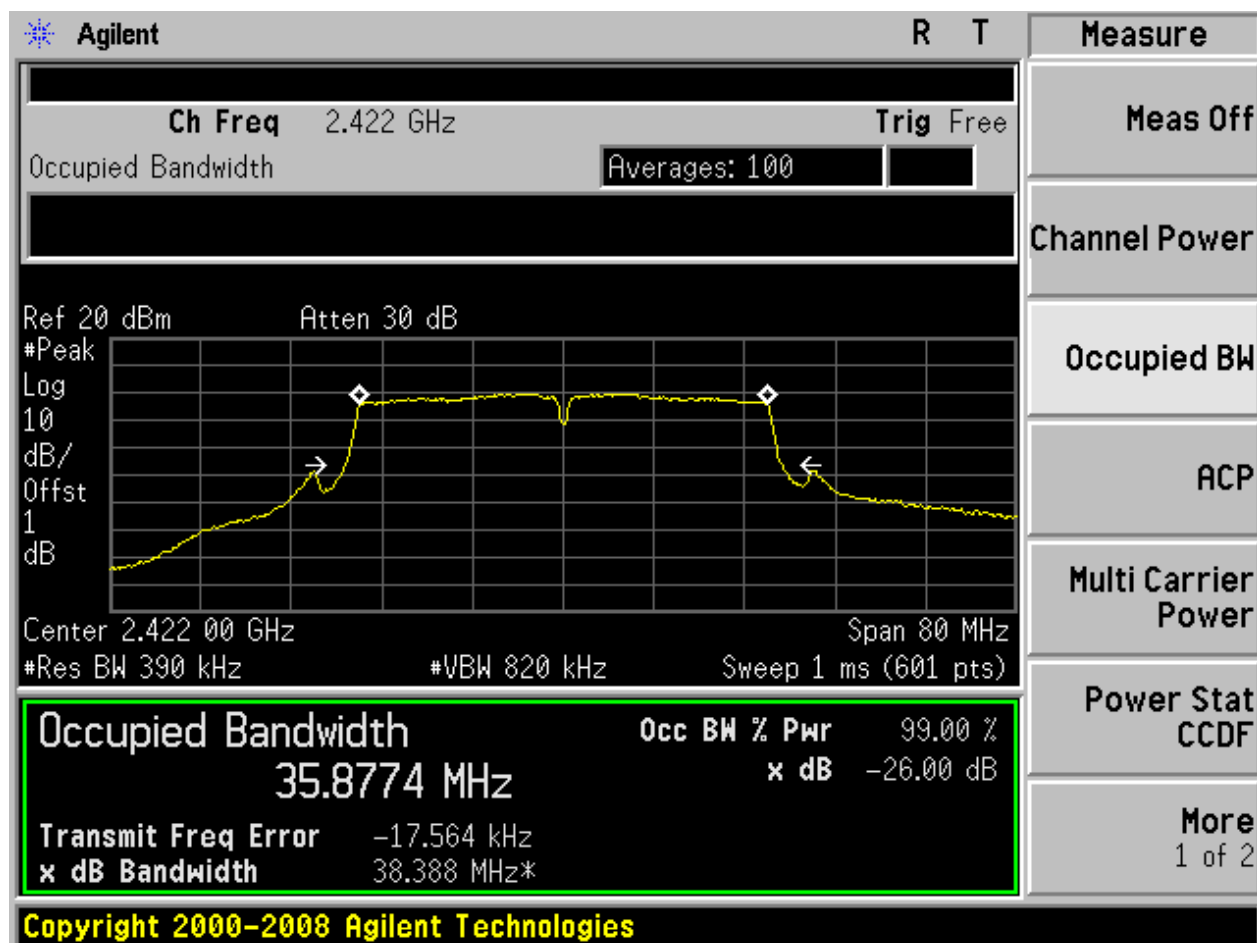


2.30 11N20m_H@Ant 2

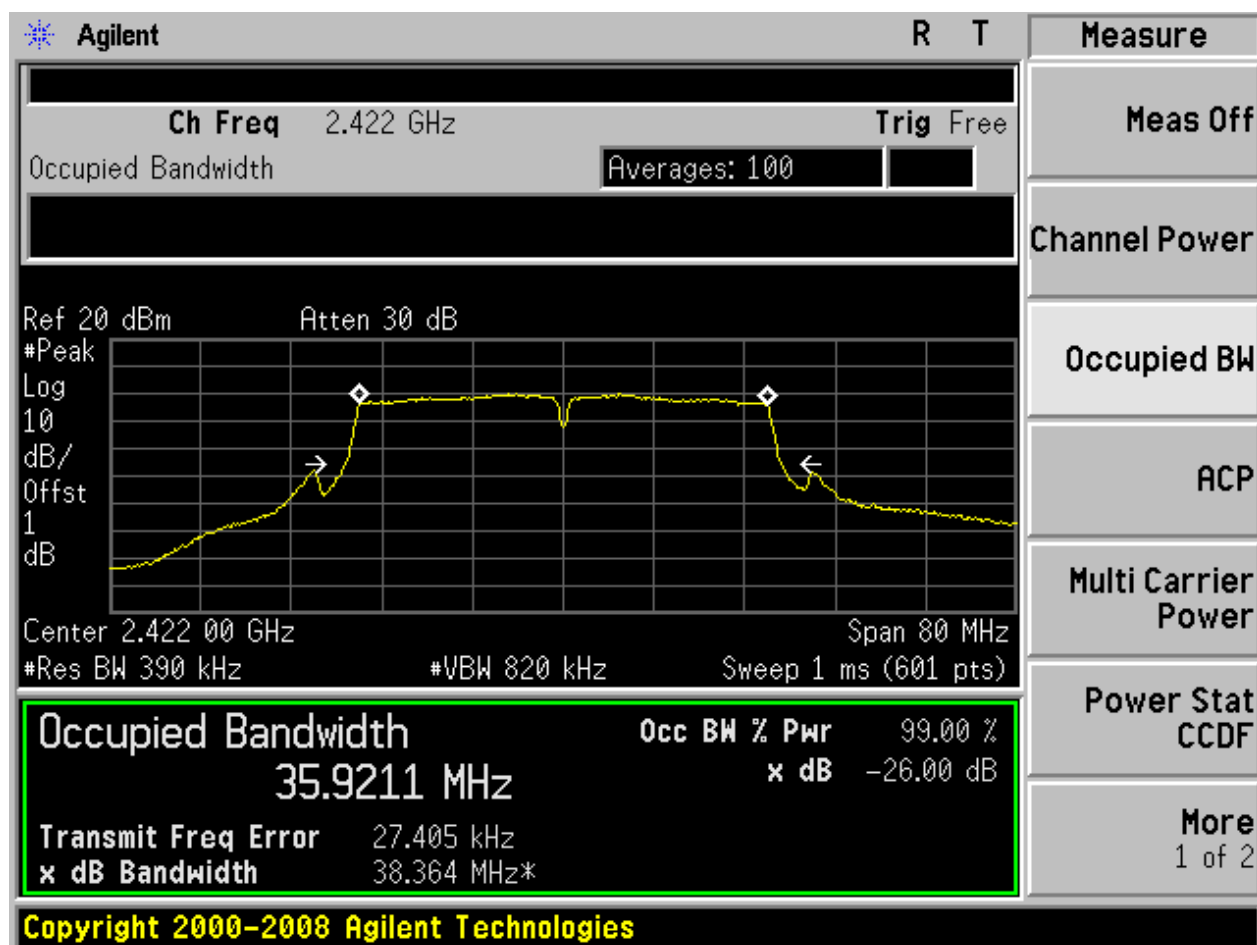




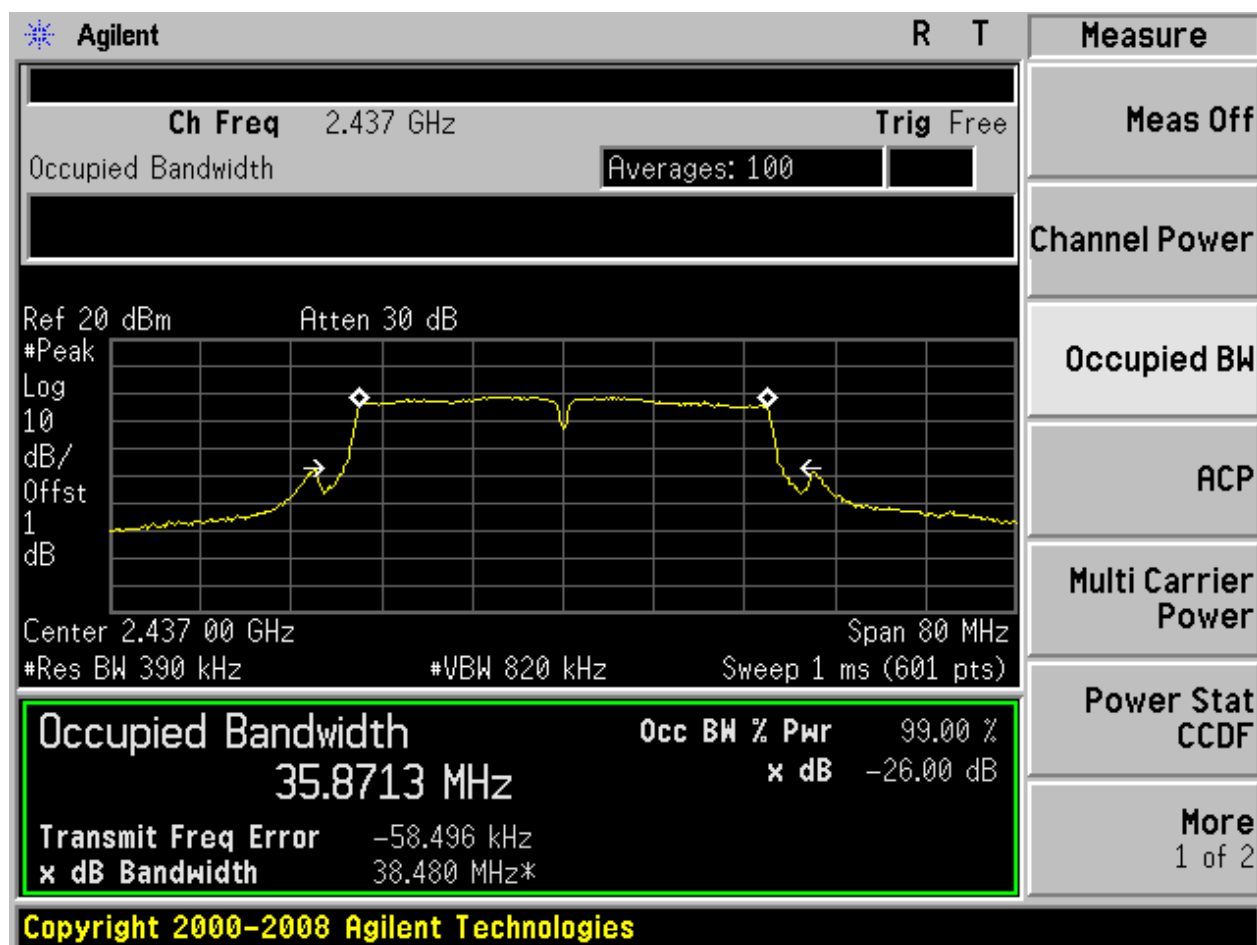
2.32 11N40m_L@Ant 2



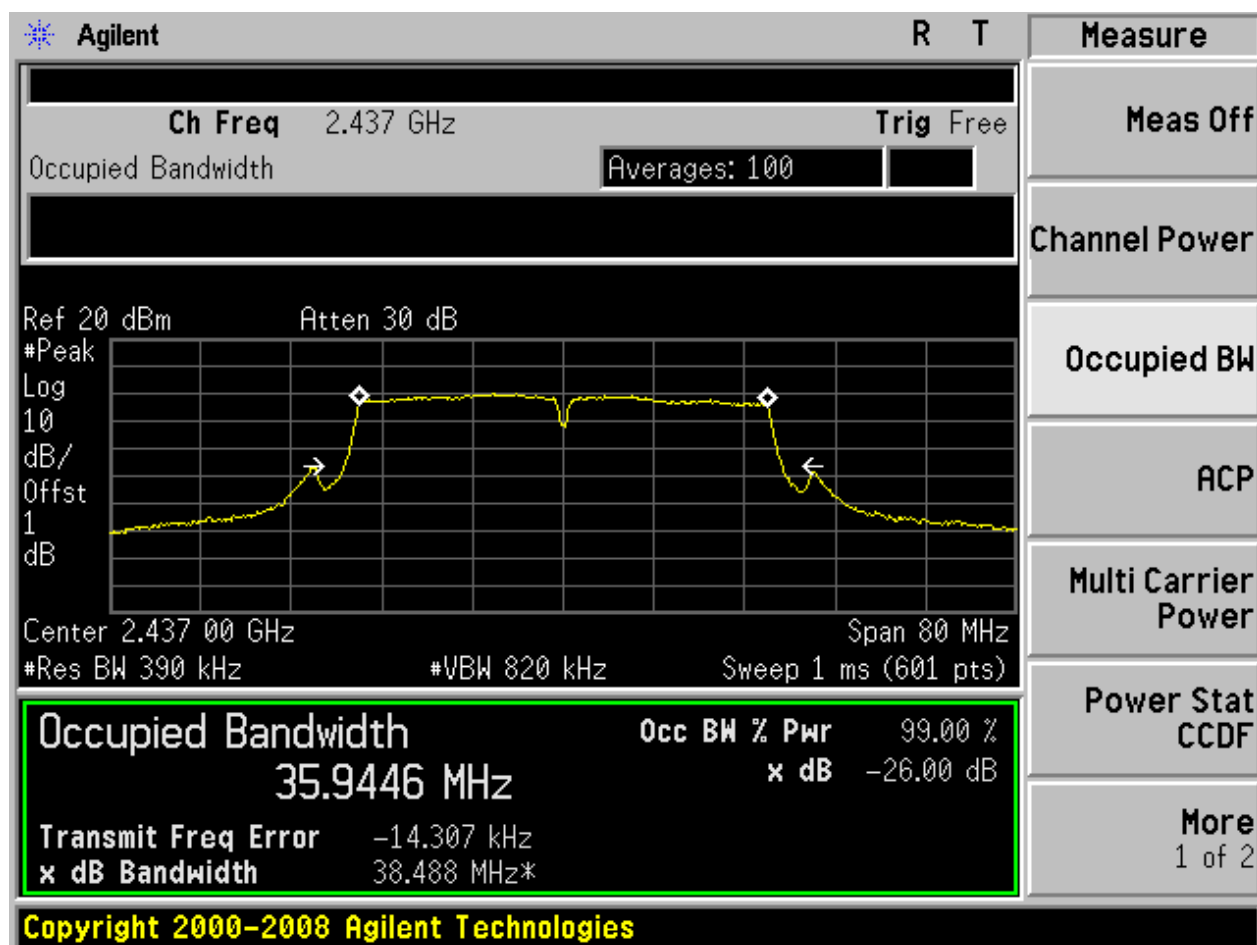
2.31 11N40m_L@Ant 1



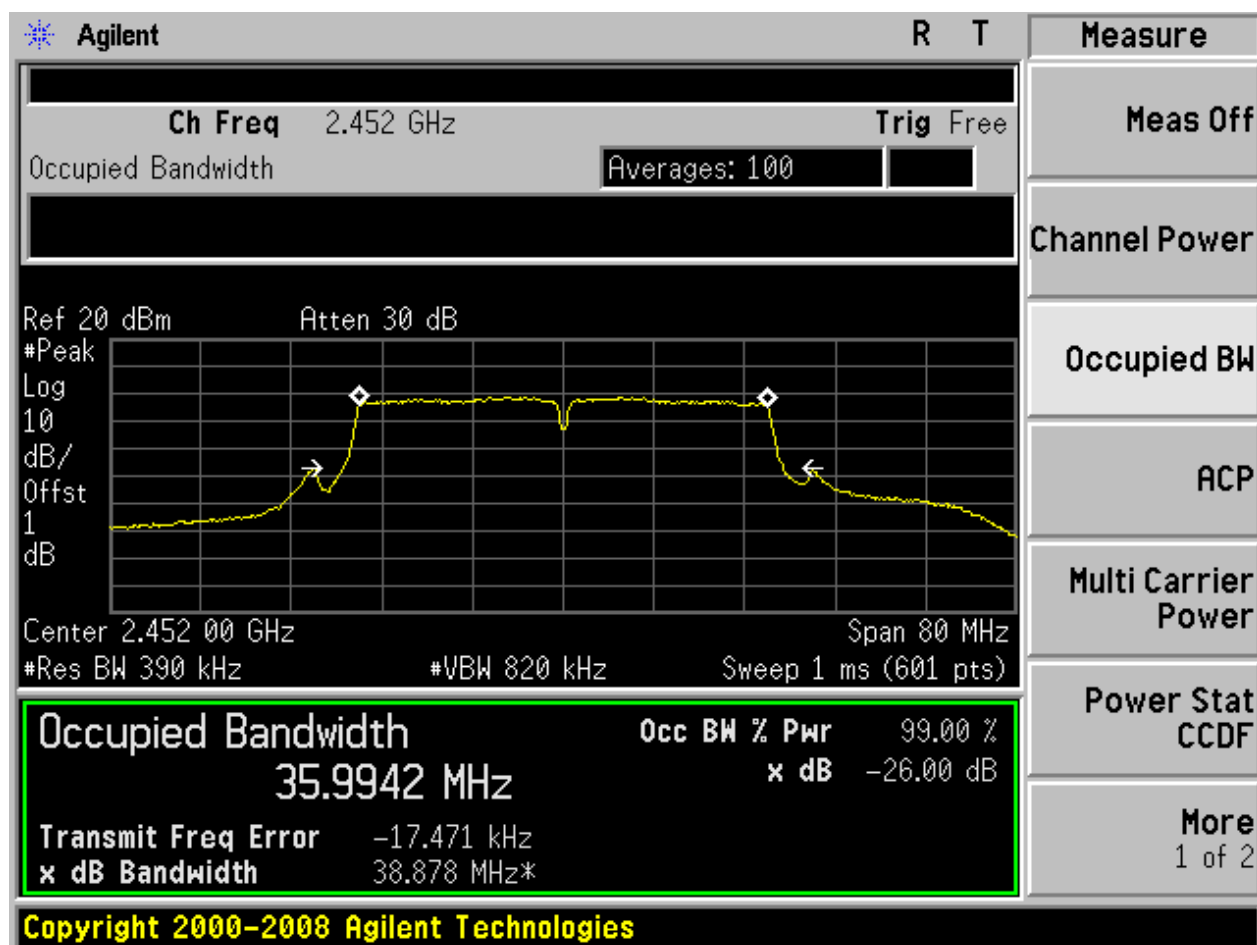
2.34 11N40m_M@Ant 2



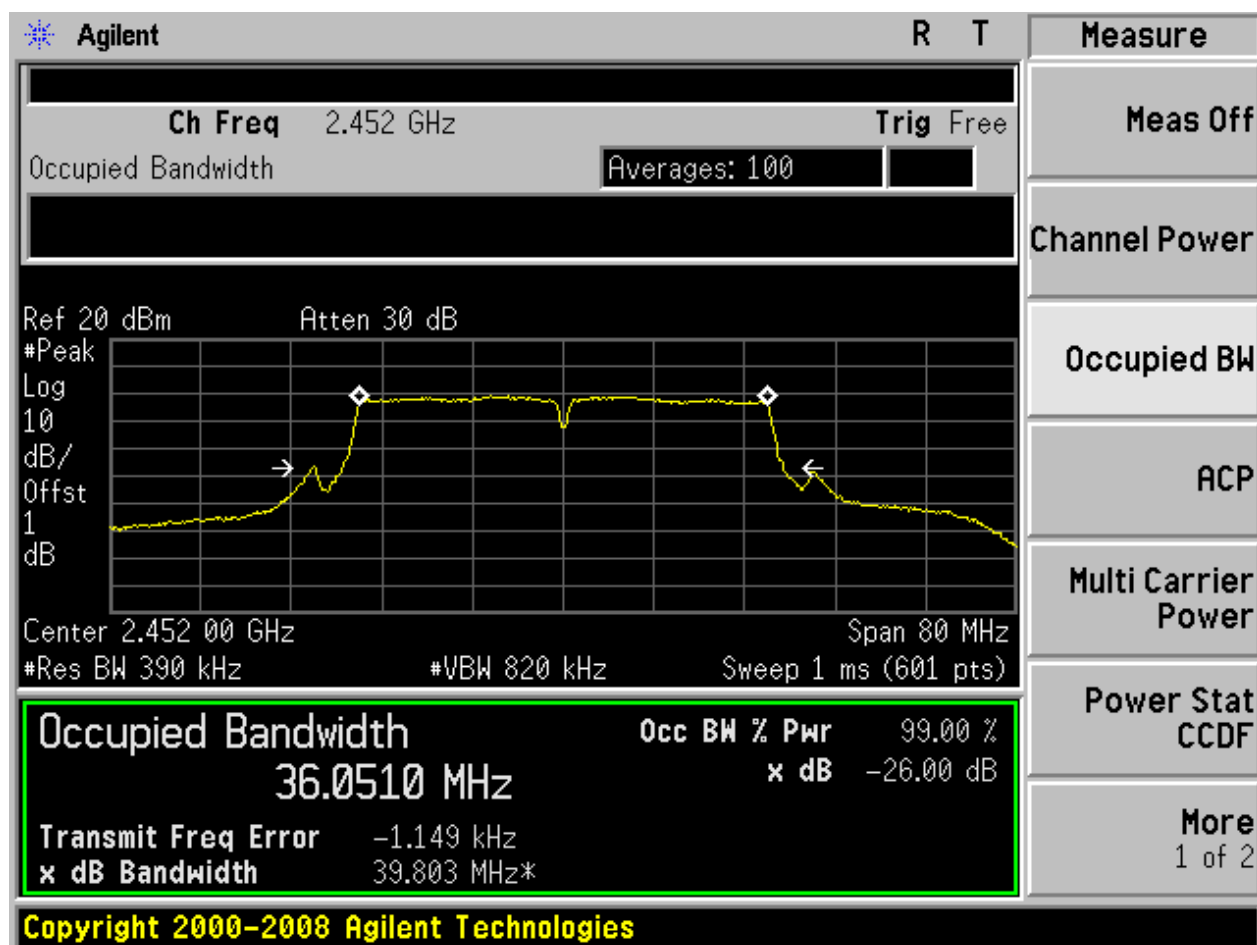
2.33 11N40m_M@Ant 1



2.36 11N40m_H@Ant 2



2.35 11N40m_H@Ant 1



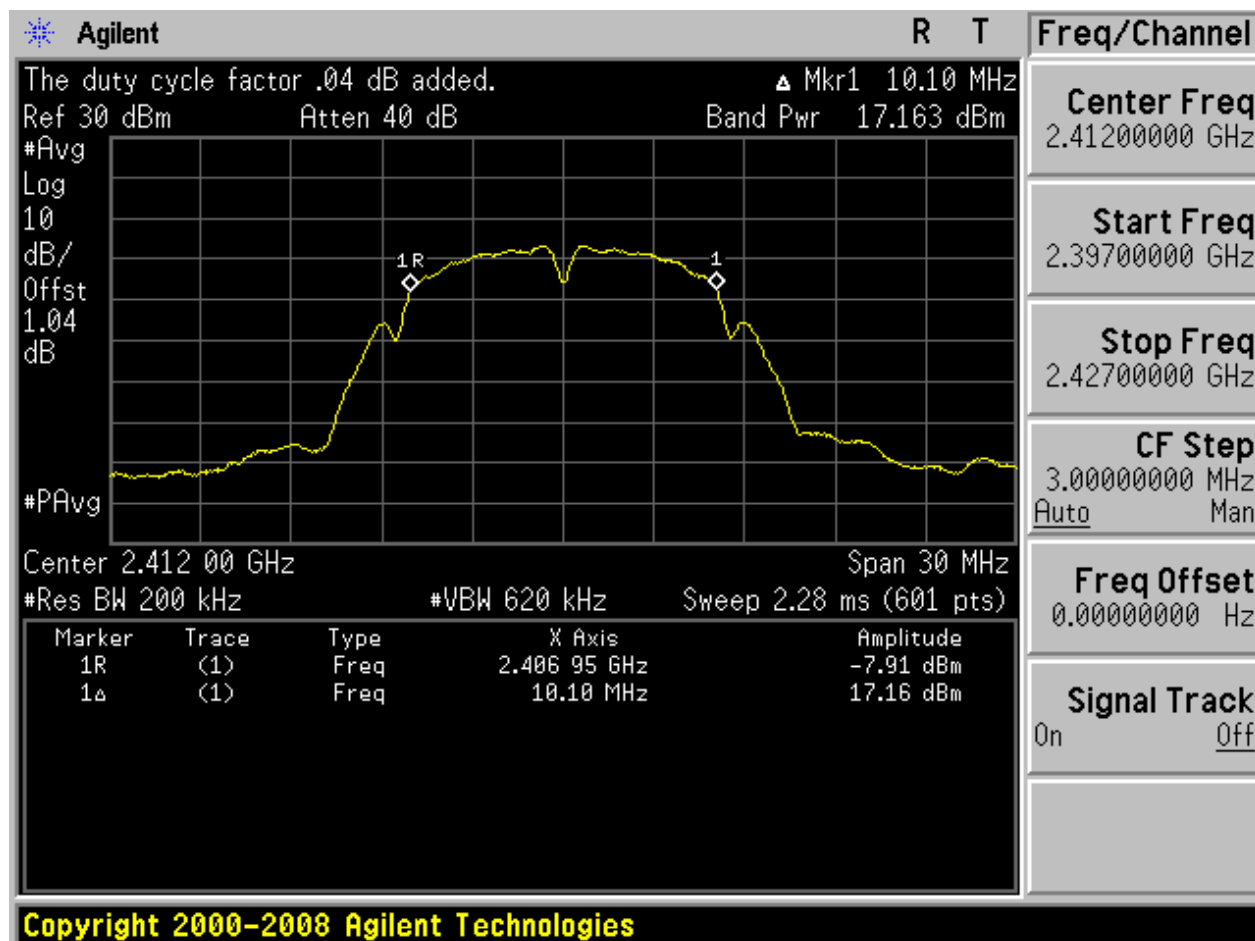
Appendix C: Maximum Conducted Average Output Power

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Power[dBm]	Verdict
11B	L	2412	Ant 1	17.16	pass
11B	L	2412	Ant 2	16.10	pass
11B	M	2437	Ant 1	17.09	pass
11B	M	2437	Ant 2	15.89	pass
11B	H	2462	Ant 1	17.31	pass
11B	H	2462	Ant 2	16.51	pass
11G	L	2412	Ant 2	15.49	pass
11G	L	2412	Ant 1	16.46	pass
11G	M	2437	Ant 2	15.62	pass
11G	M	2437	Ant 1	16.70	pass
11G	H	2462	Ant 2	16.12	pass
11G	H	2462	Ant 1	16.92	pass
11N20	L	2412	Ant 1	17.00	pass
11N20	L	2412	Ant 2	15.64	pass
11N20	M	2437	Ant 1	16.85	pass
11N20	M	2437	Ant 2	15.64	pass
11N20	H	2462	Ant 1	17.16	pass
11N20	H	2462	Ant 2	16.22	pass
11N20m	L	2412	Ant 1	13.38	pass
11N20m	L	2412	Ant 2	12.19	pass
11N20m	M	2437	Ant 1	13.39	pass
11N20m	M	2437	Ant 2	11.85	pass
11N20m	H	2462	Ant 1	13.64	pass
11N20m	H	2462	Ant 2	12.59	pass
11N40	L	2422	Ant 1	16.73	pass
11N40	L	2422	Ant 2	15.75	pass
11N40	M	2437	Ant 1	16.52	pass
11N40	M	2437	Ant 2	15.52	pass
11N40	H	2452	Ant 1	16.27	pass
11N40	H	2452	Ant 2	15.03	pass
11N40m	L	2422	Ant 2	12.66	pass
11N40m	L	2422	Ant 1	12.87	pass
11N40m	M	2437	Ant 2	11.98	pass
11N40m	M	2437	Ant 1	12.83	pass
11N40m	H	2452	Ant 2	12.11	pass
11N40m	H	2452	Ant 1	12.42	pass

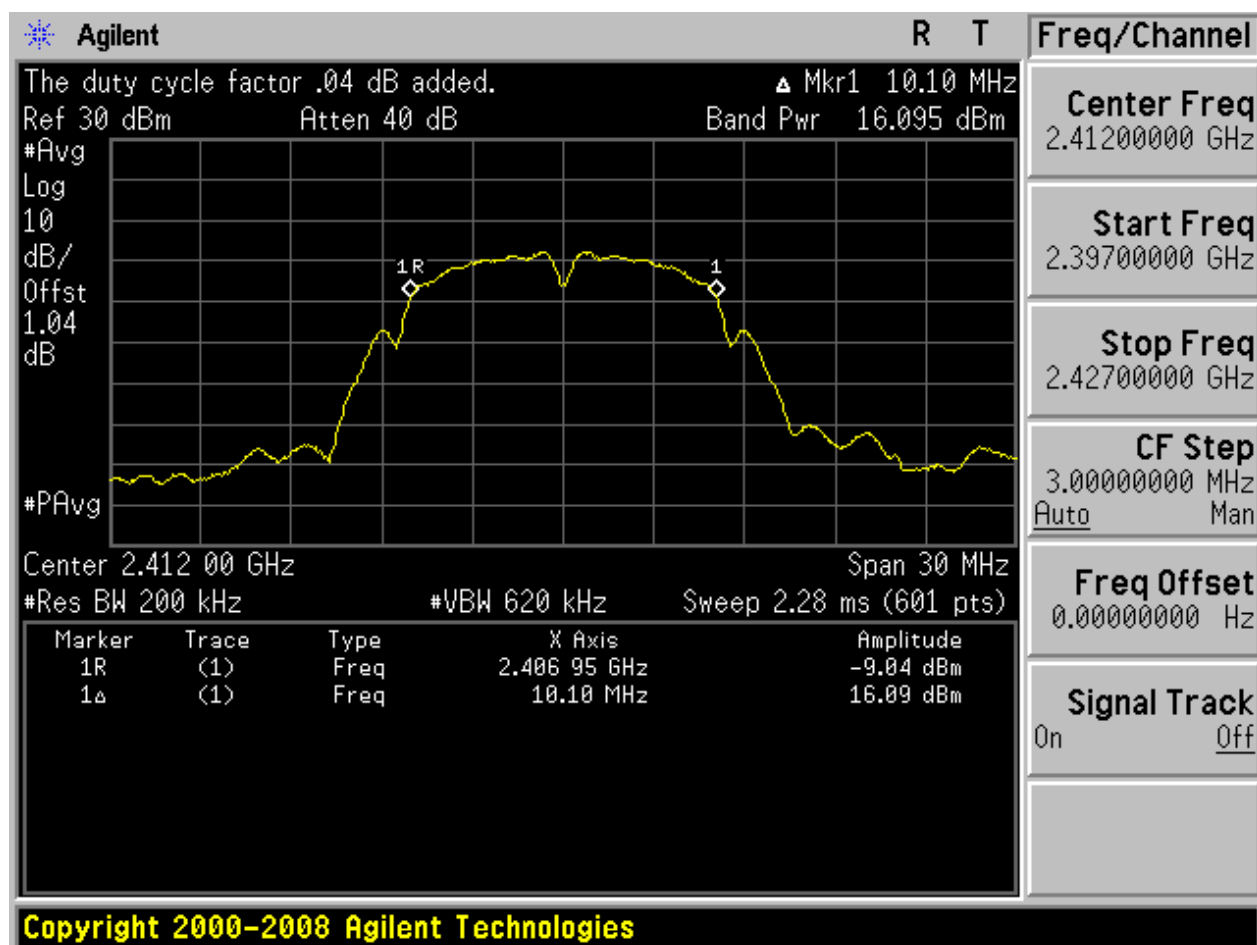
Part II - Test Plots

2.1 11B_L@Ant 1



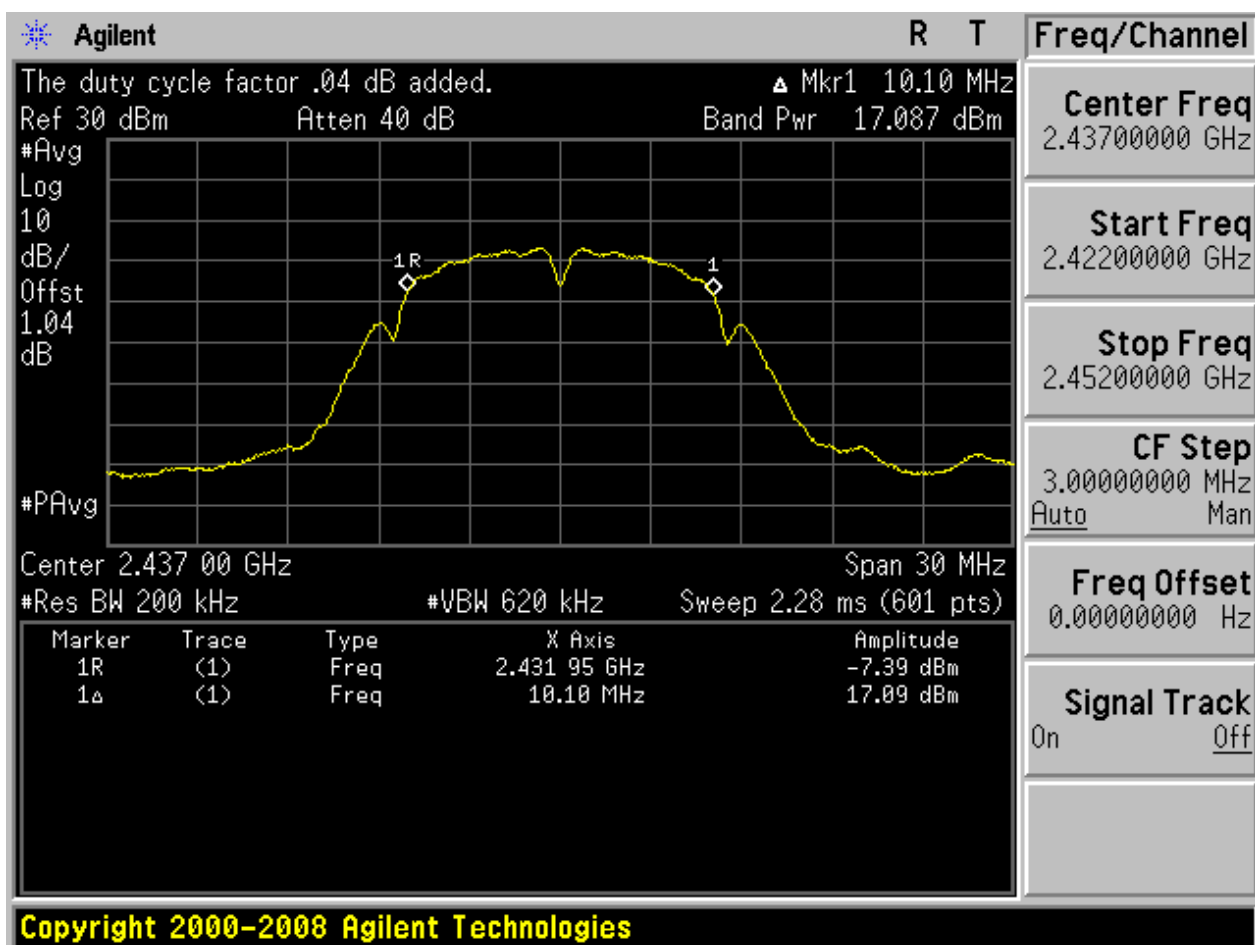


2.2 11B_L@Ant 2



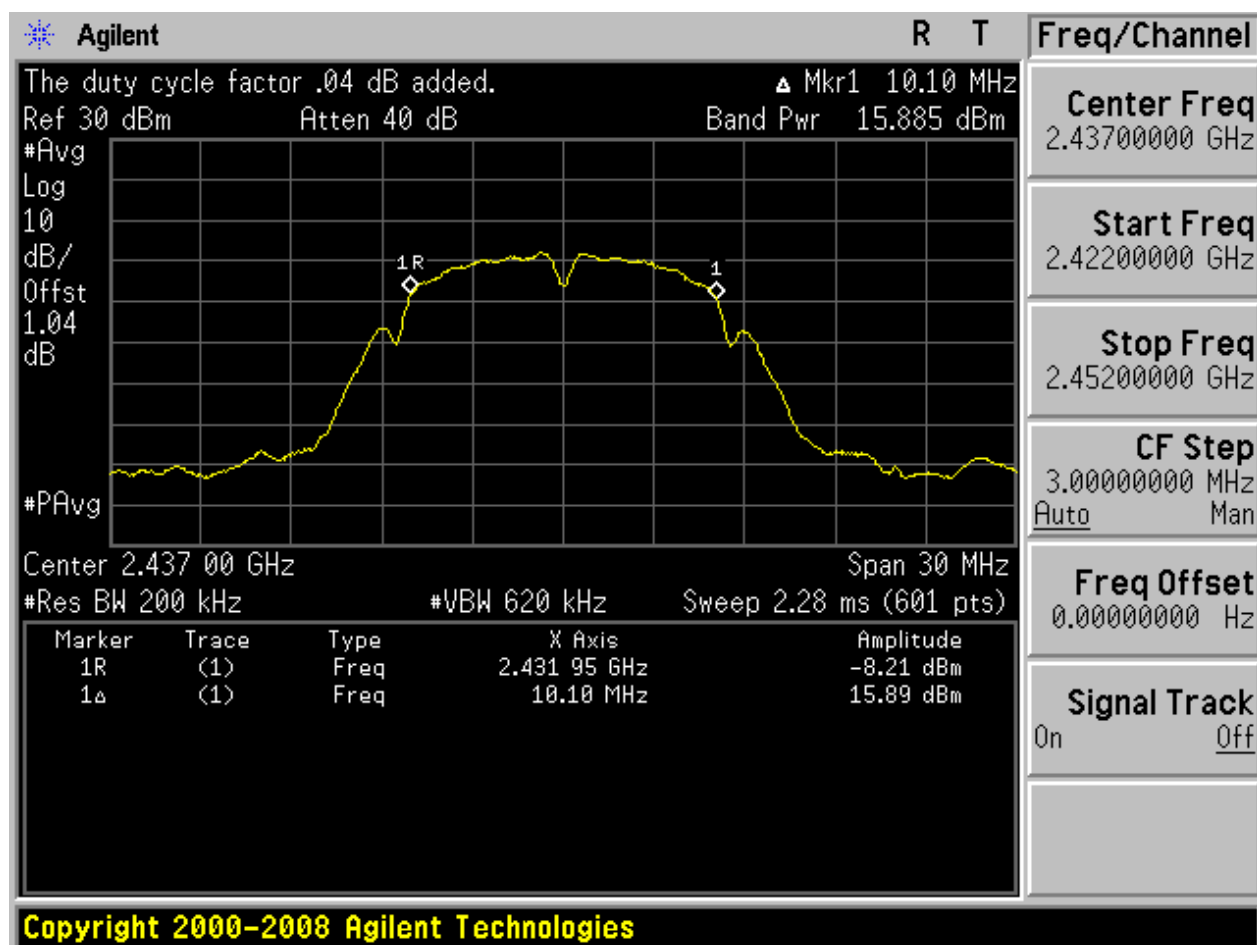


2.3 11B_M@Ant 1



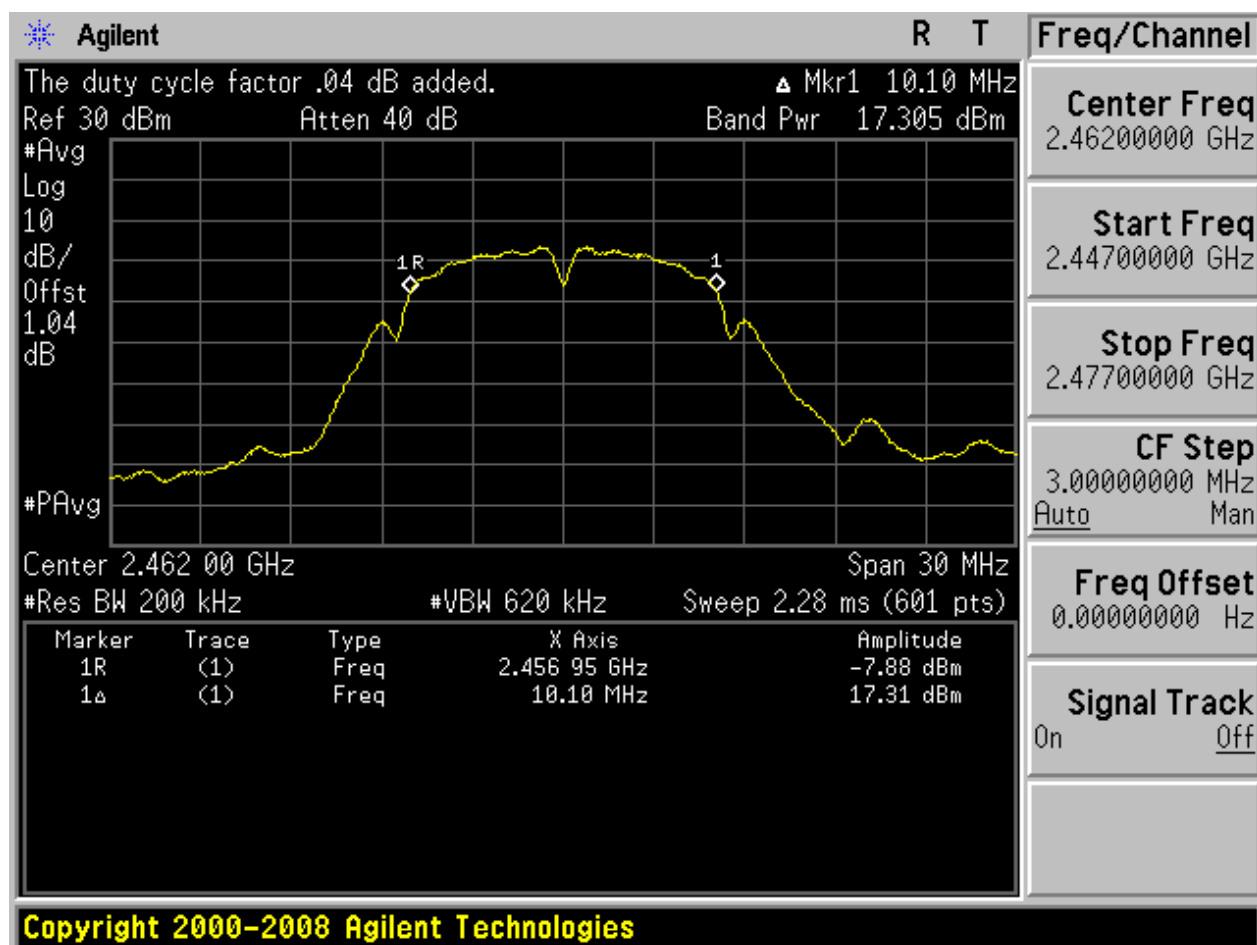


2.4 11B_M@Ant 2



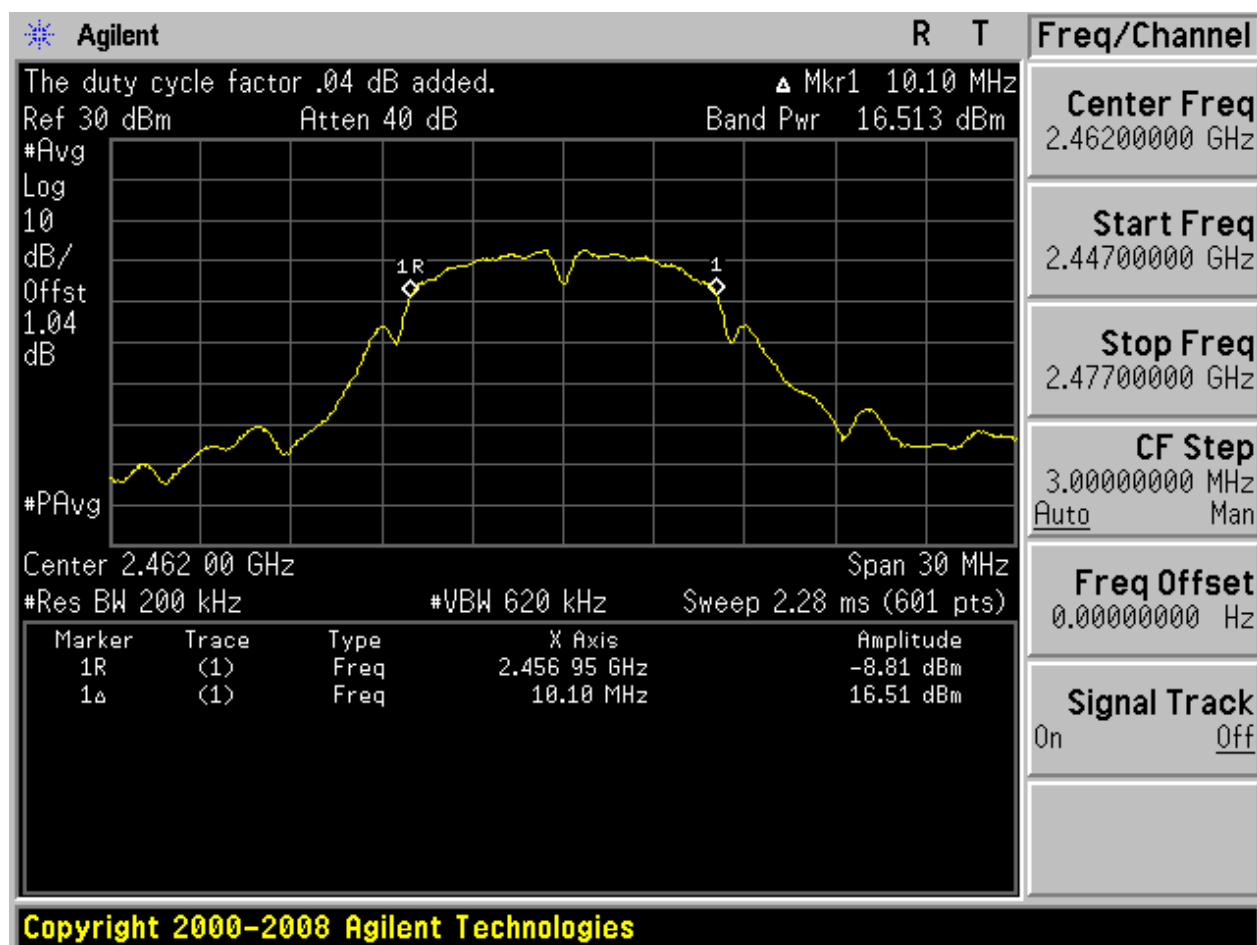


2.5 11B_H@Ant 1



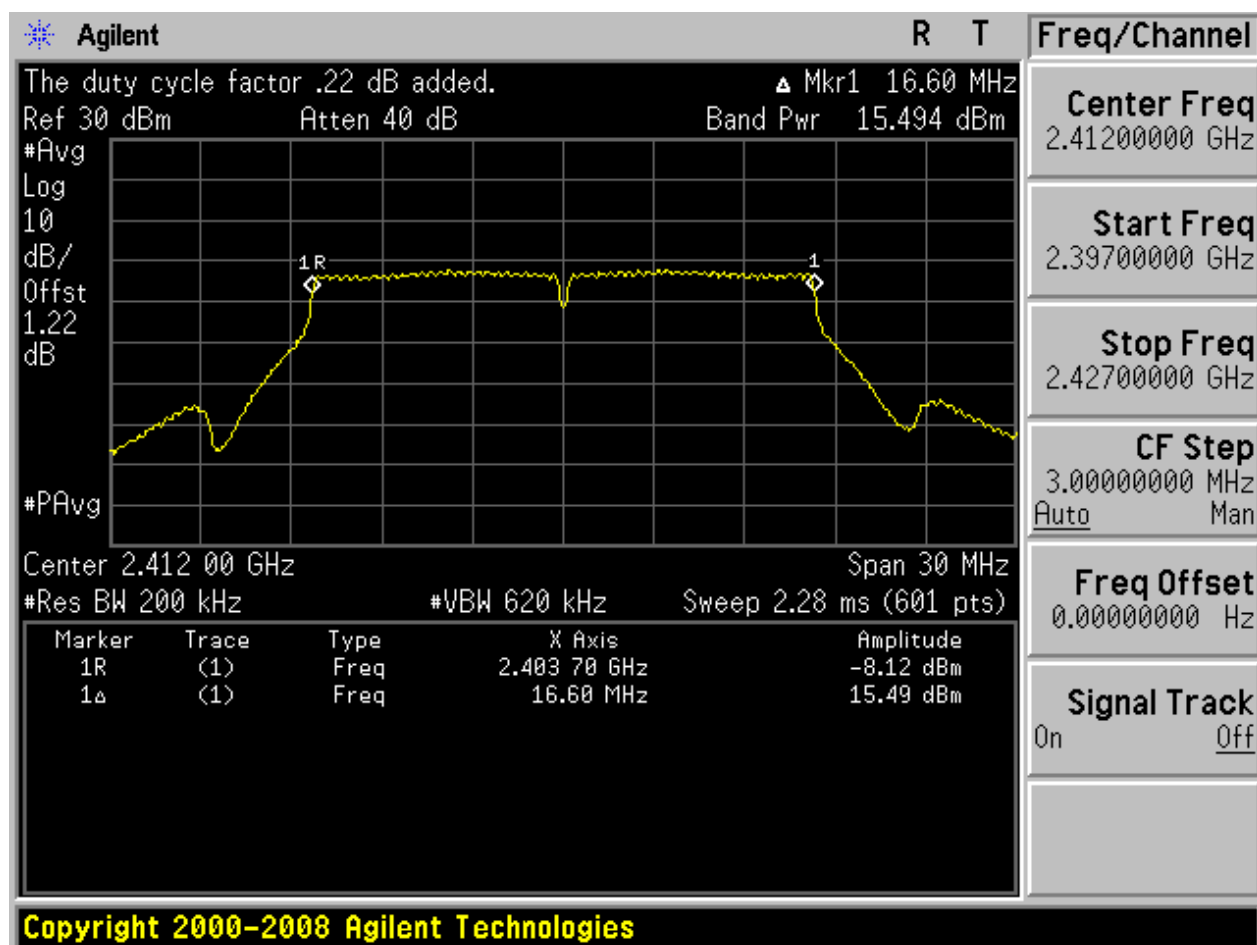


2.6 11B_H@Ant 2



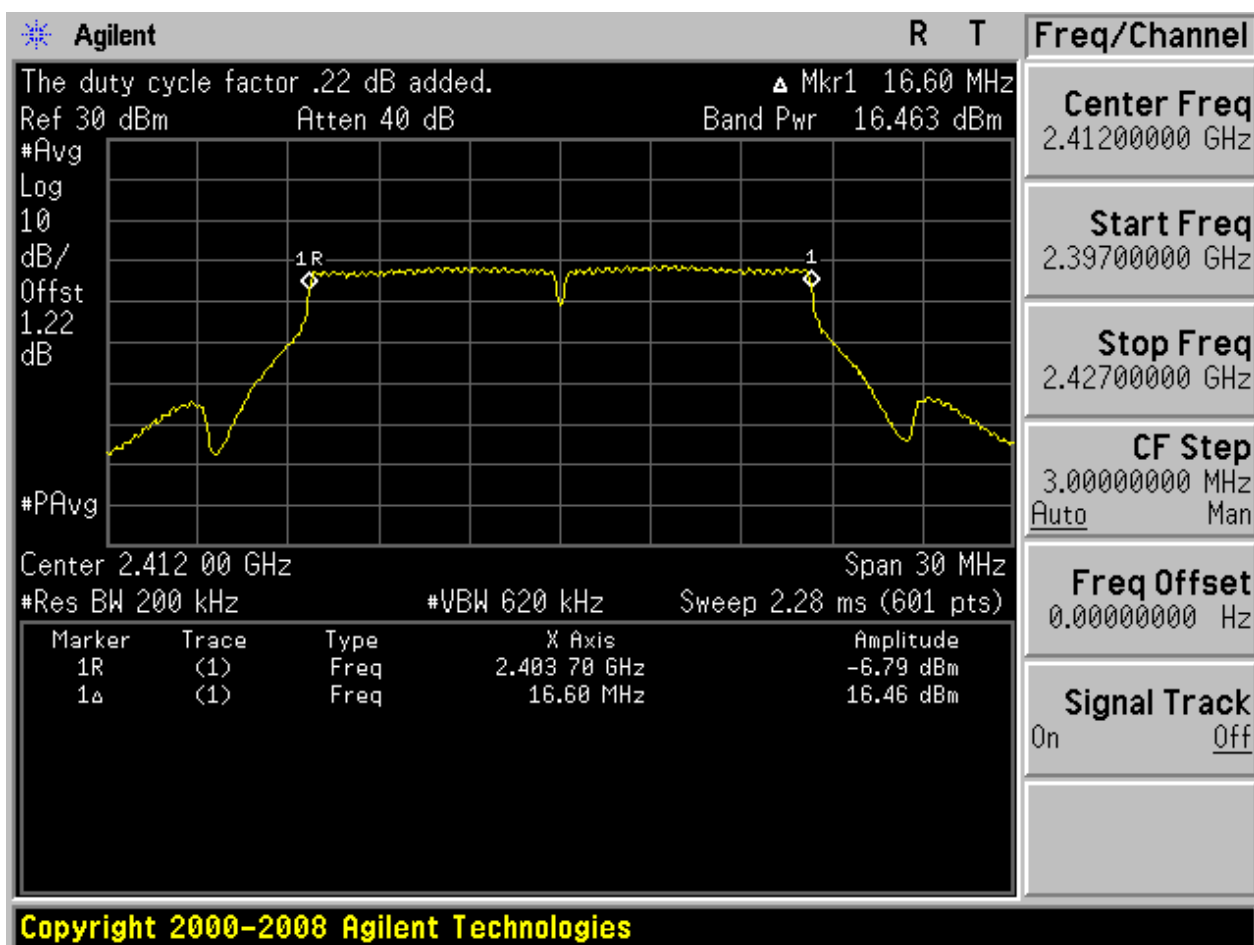


2.8 11G_L@Ant 2



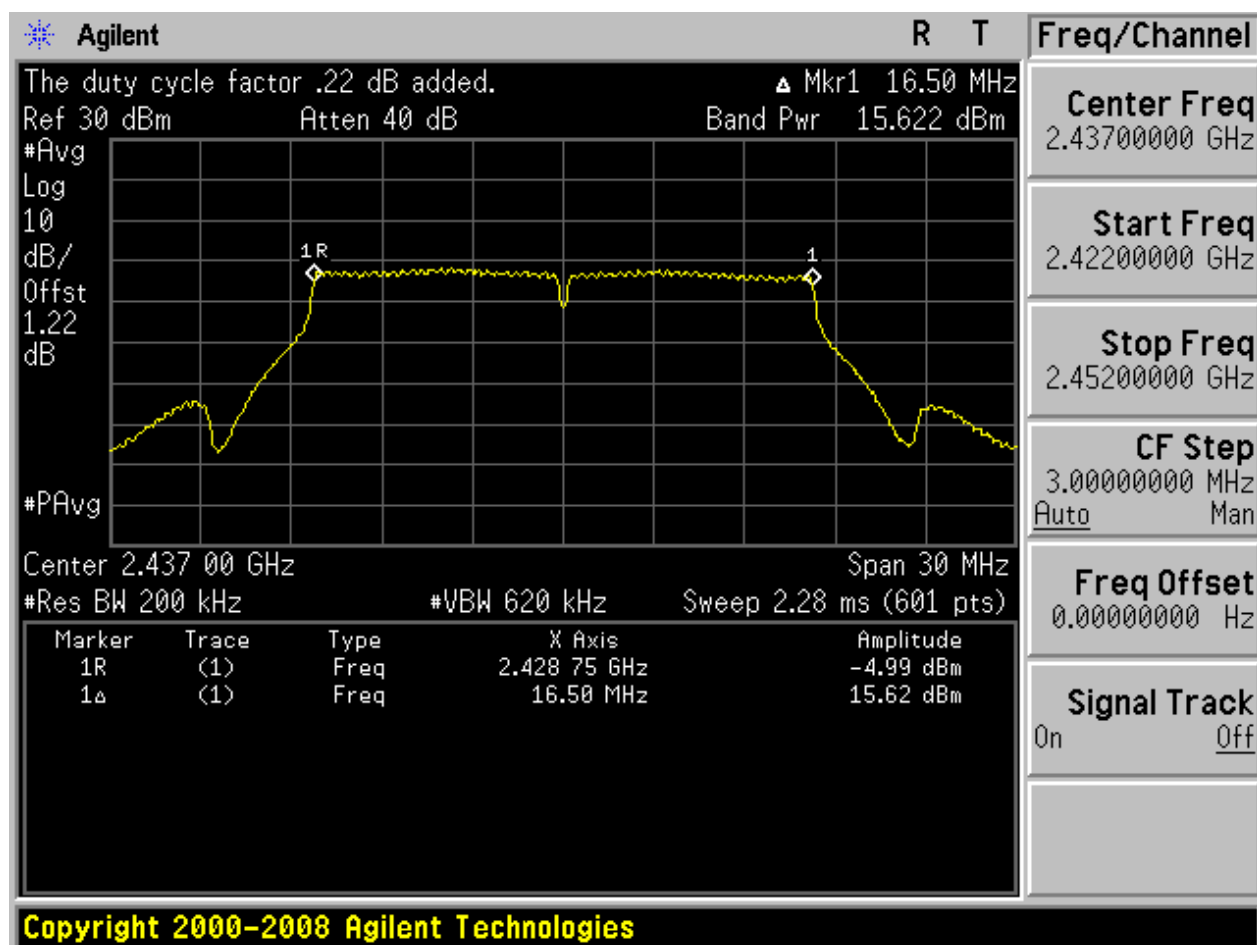


2.7 11G_L@Ant 1



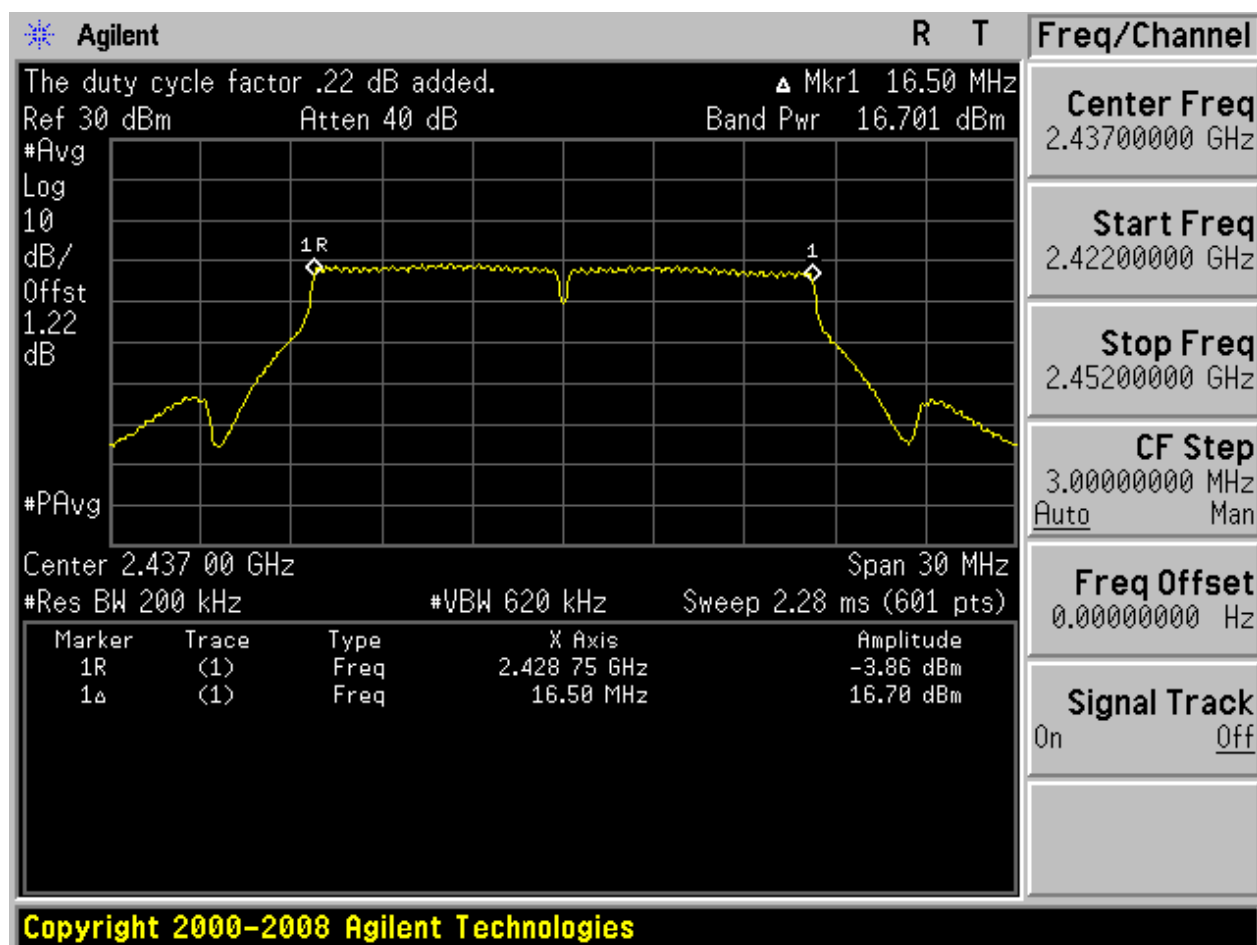


2.10 11G_M@Ant 2



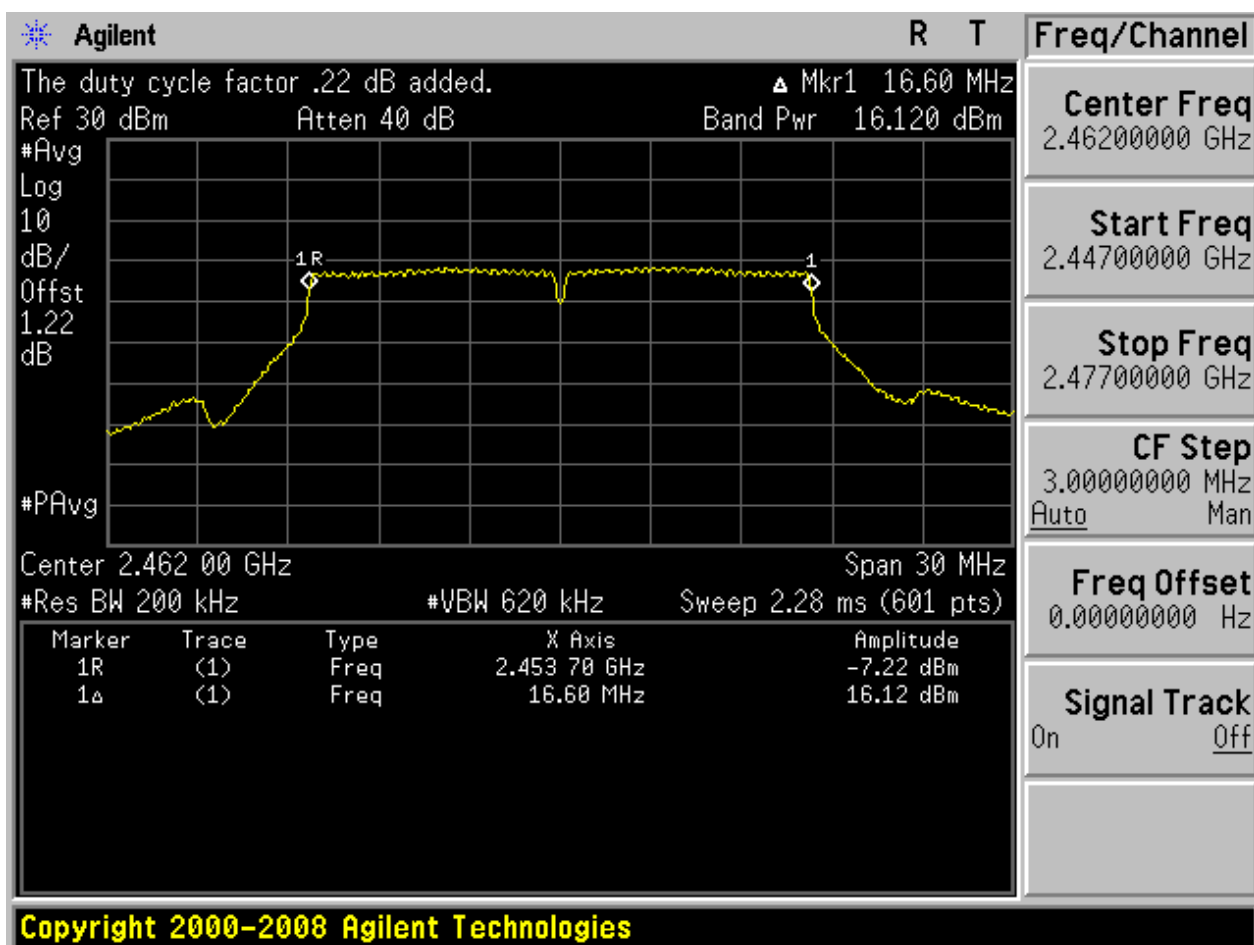


2.9 11G_M@Ant 1



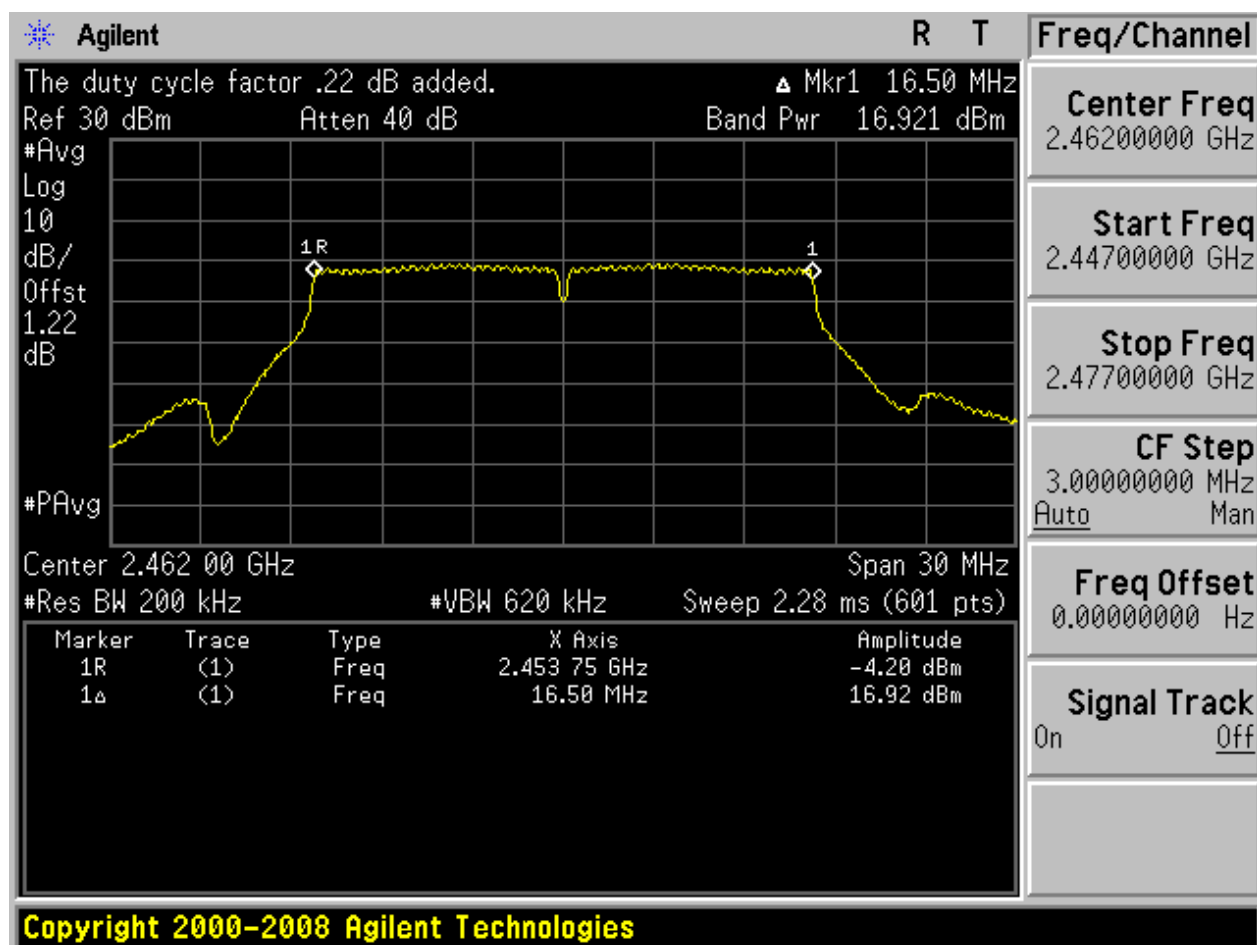


2.12 11G_H@Ant 2



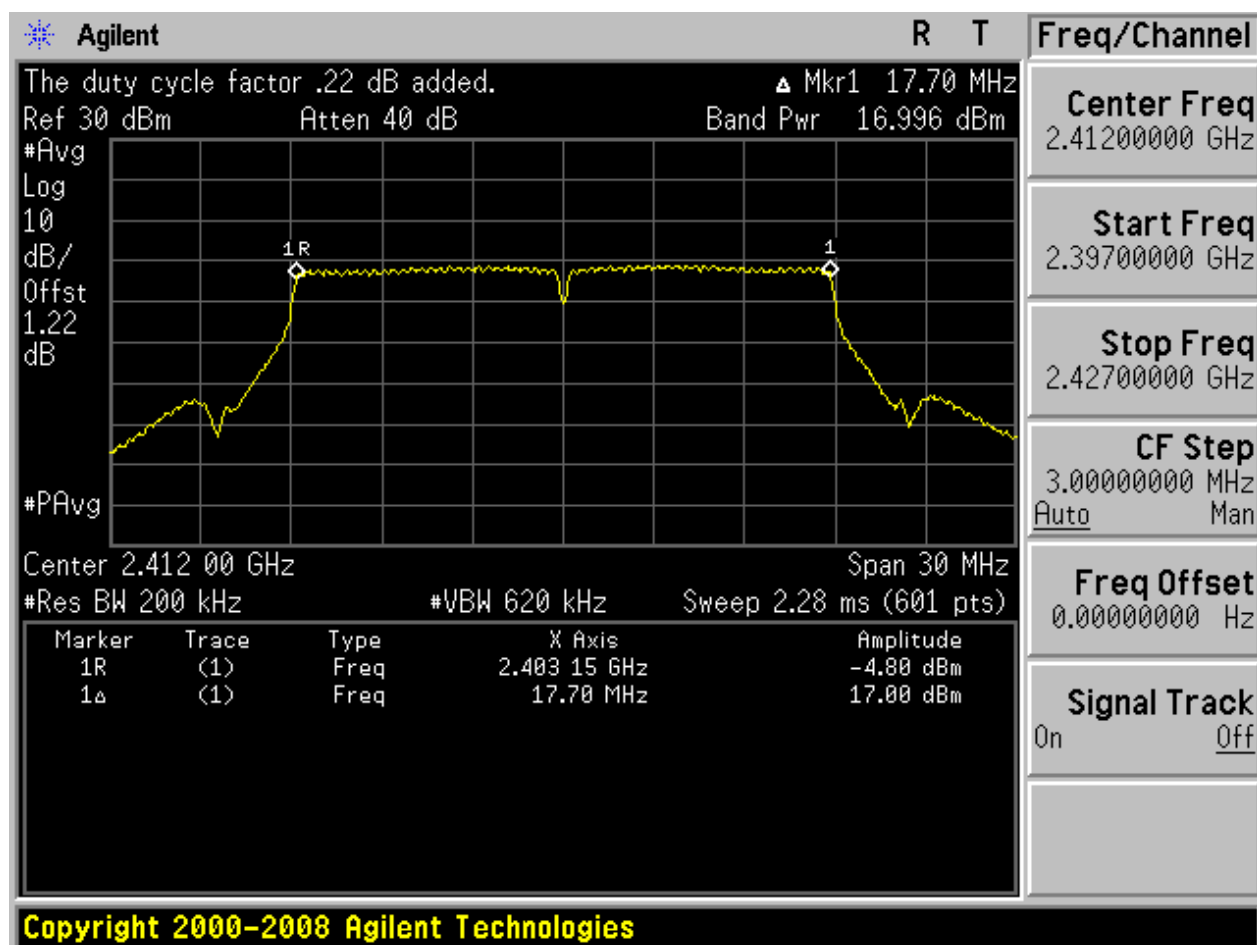


2.11 11G_H@Ant 1



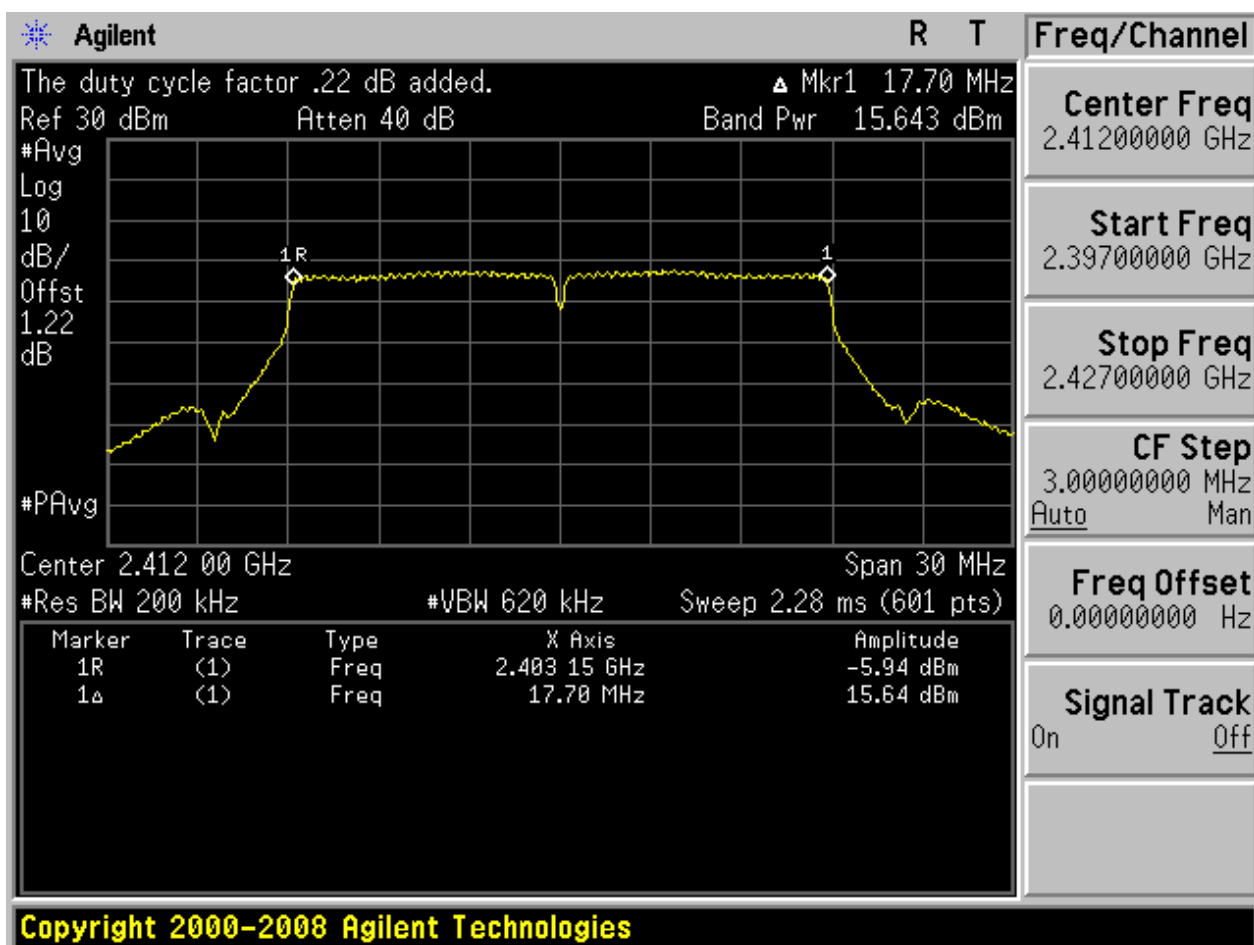


2.13 11N20_L@Ant 1



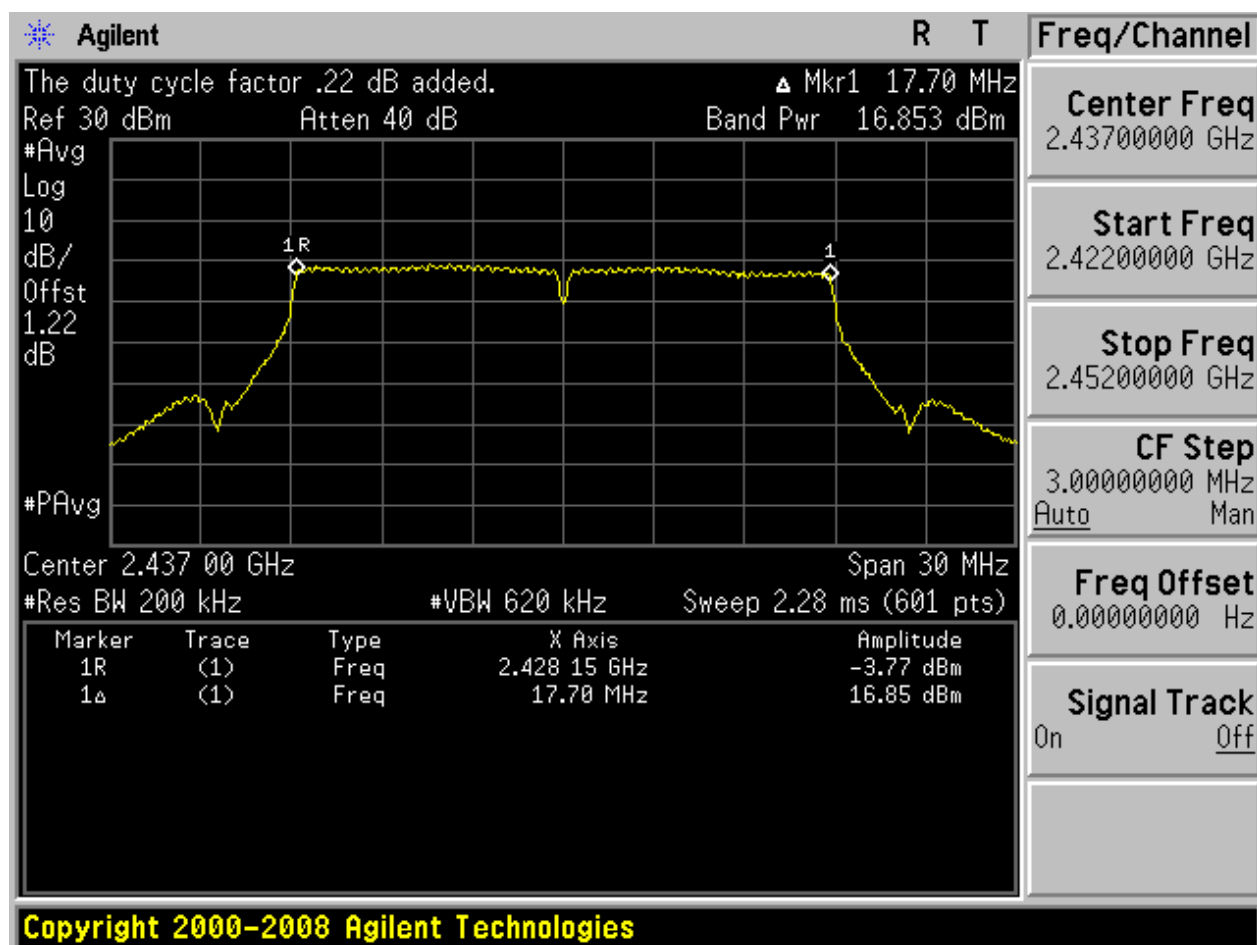


2.14 11N20_L@Ant 2



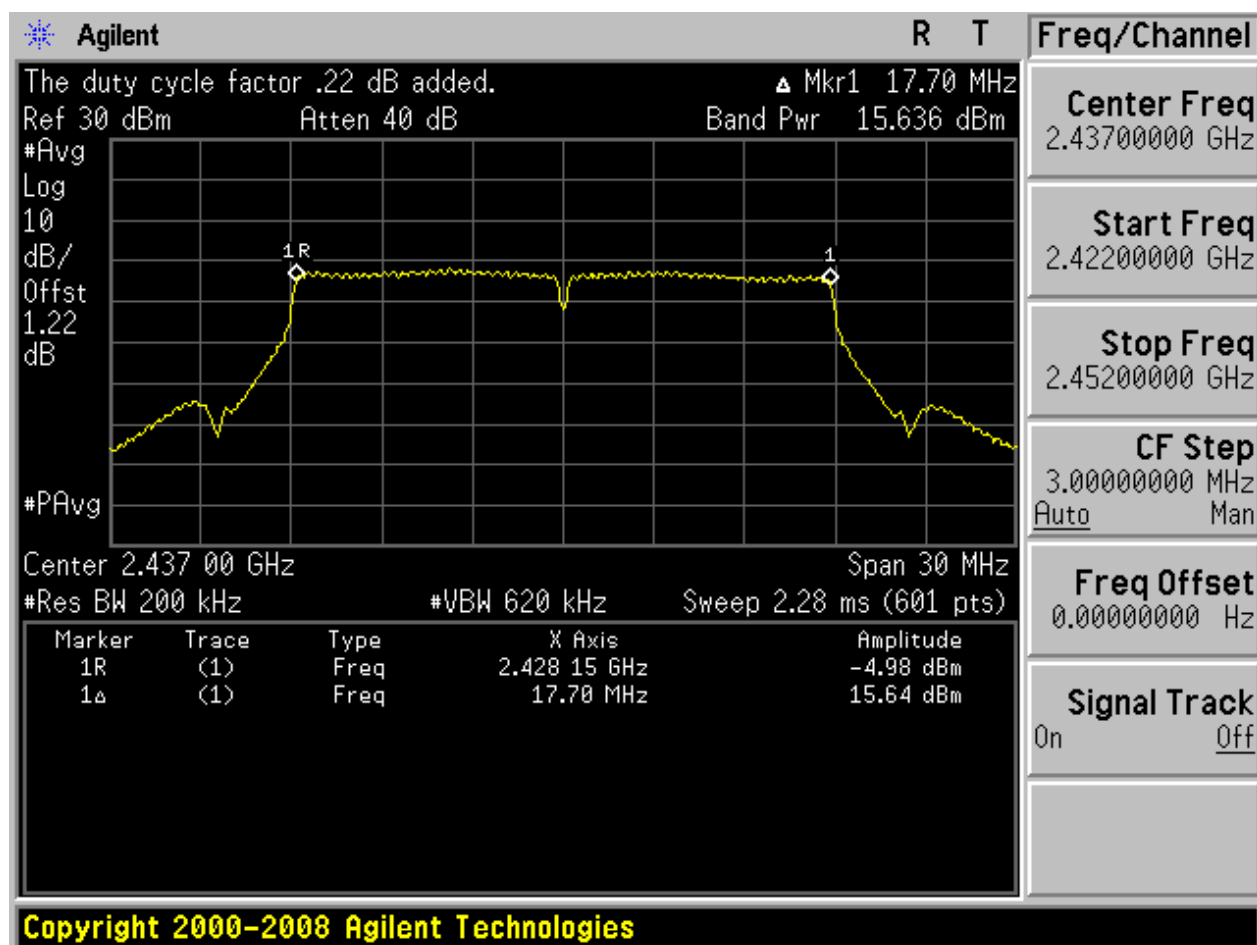


2.15 11N20_M@Ant 1



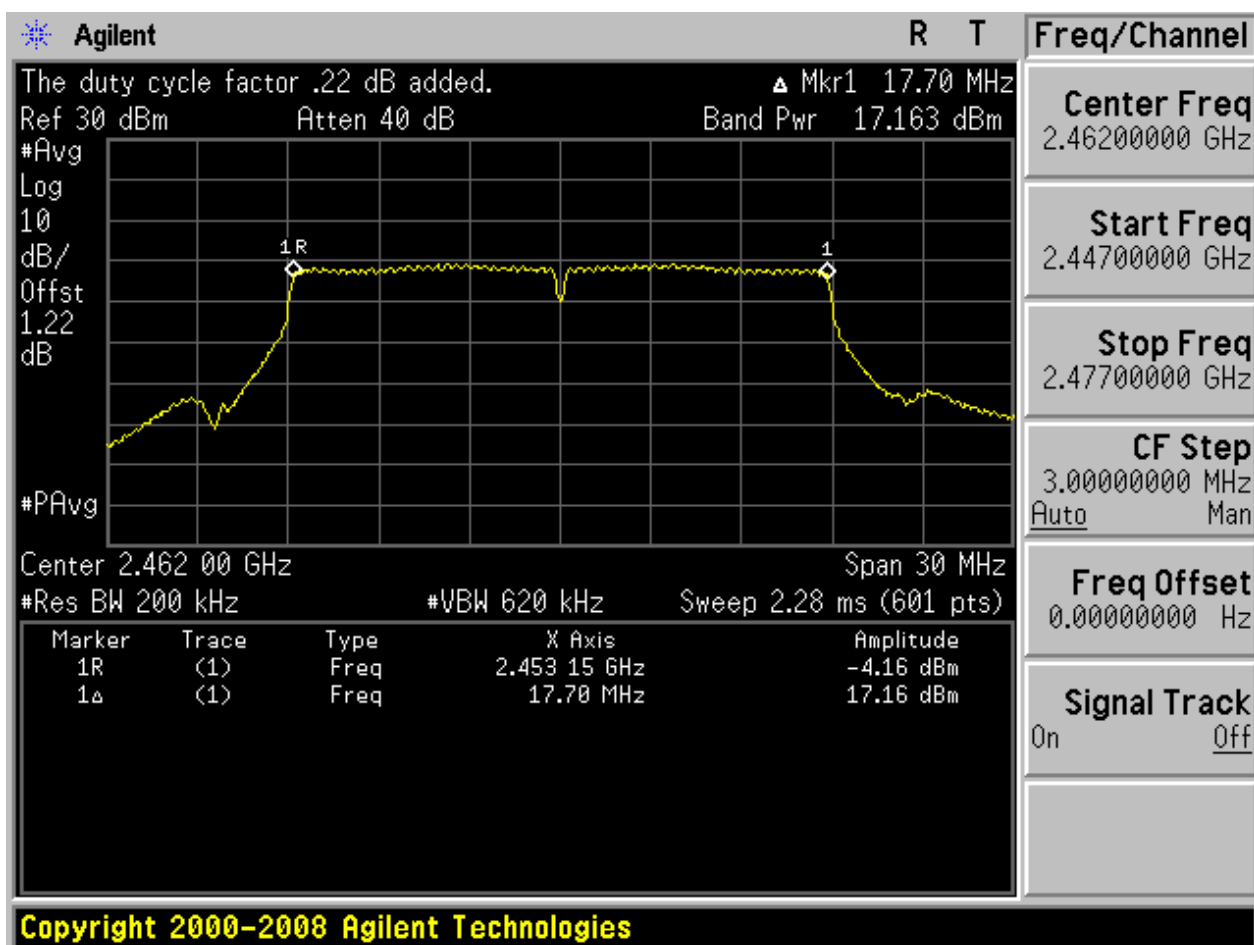


2.16 11N20_M@Ant 2



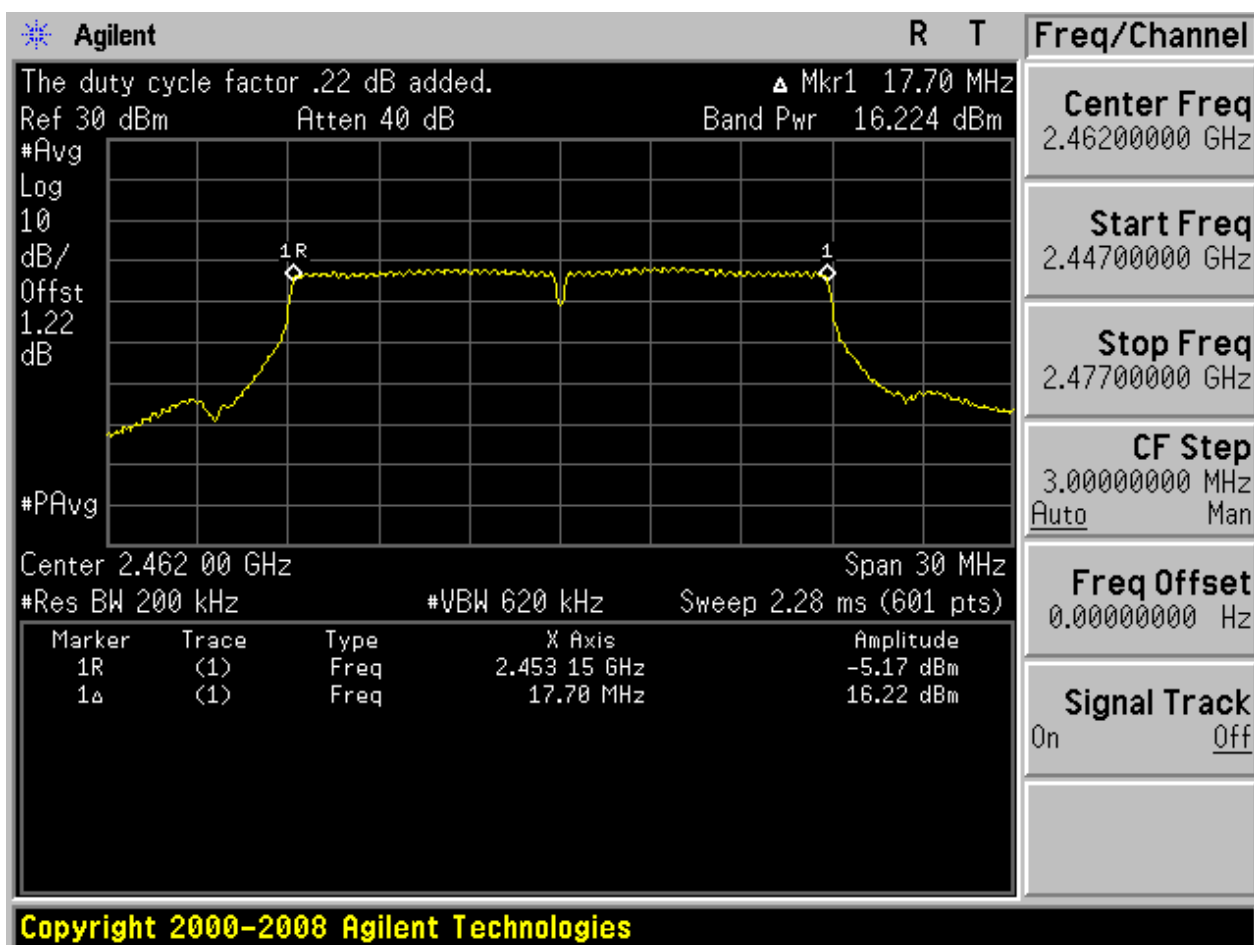


2.17 11N20_H@Ant 1



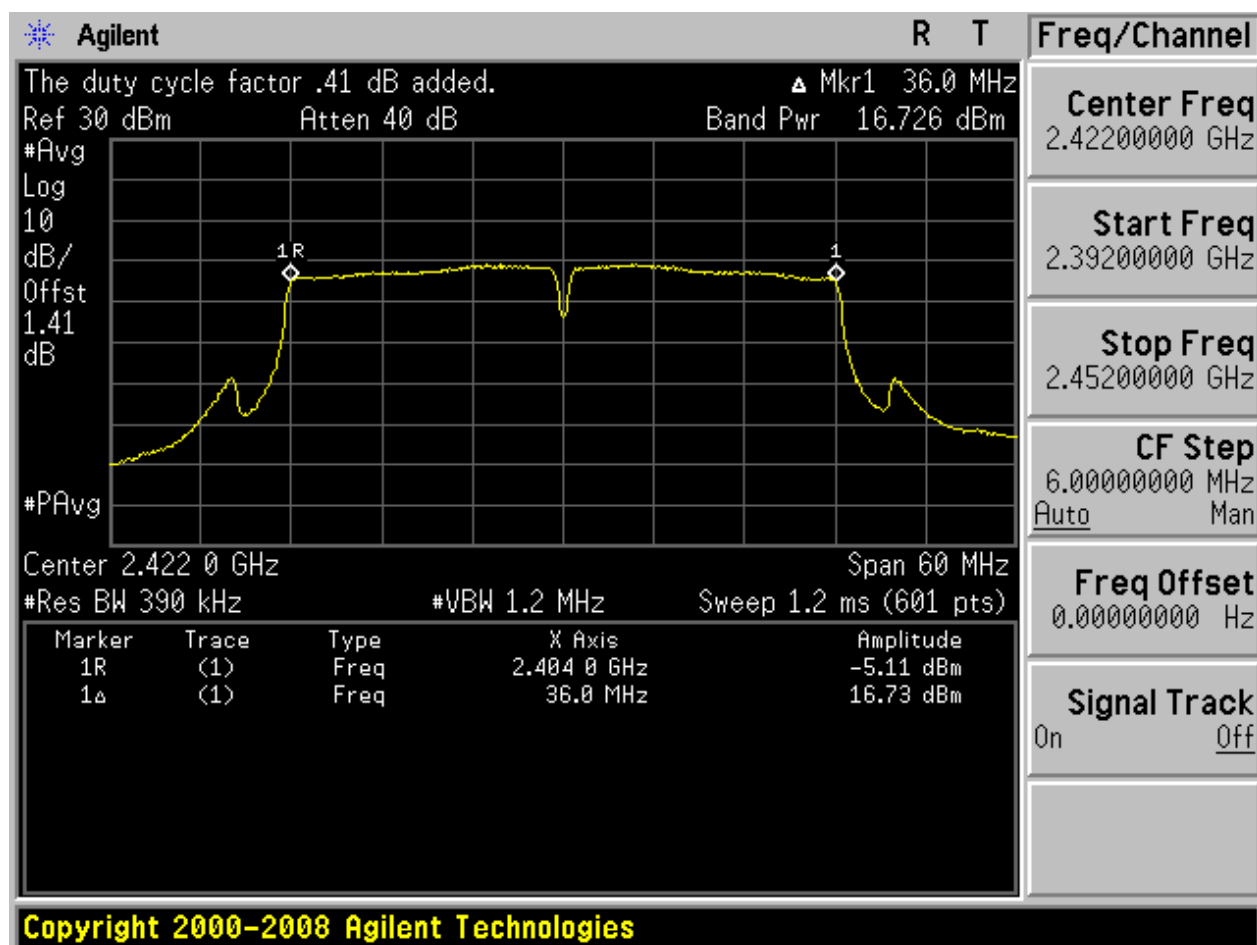


2.18 11N20_H@Ant 2



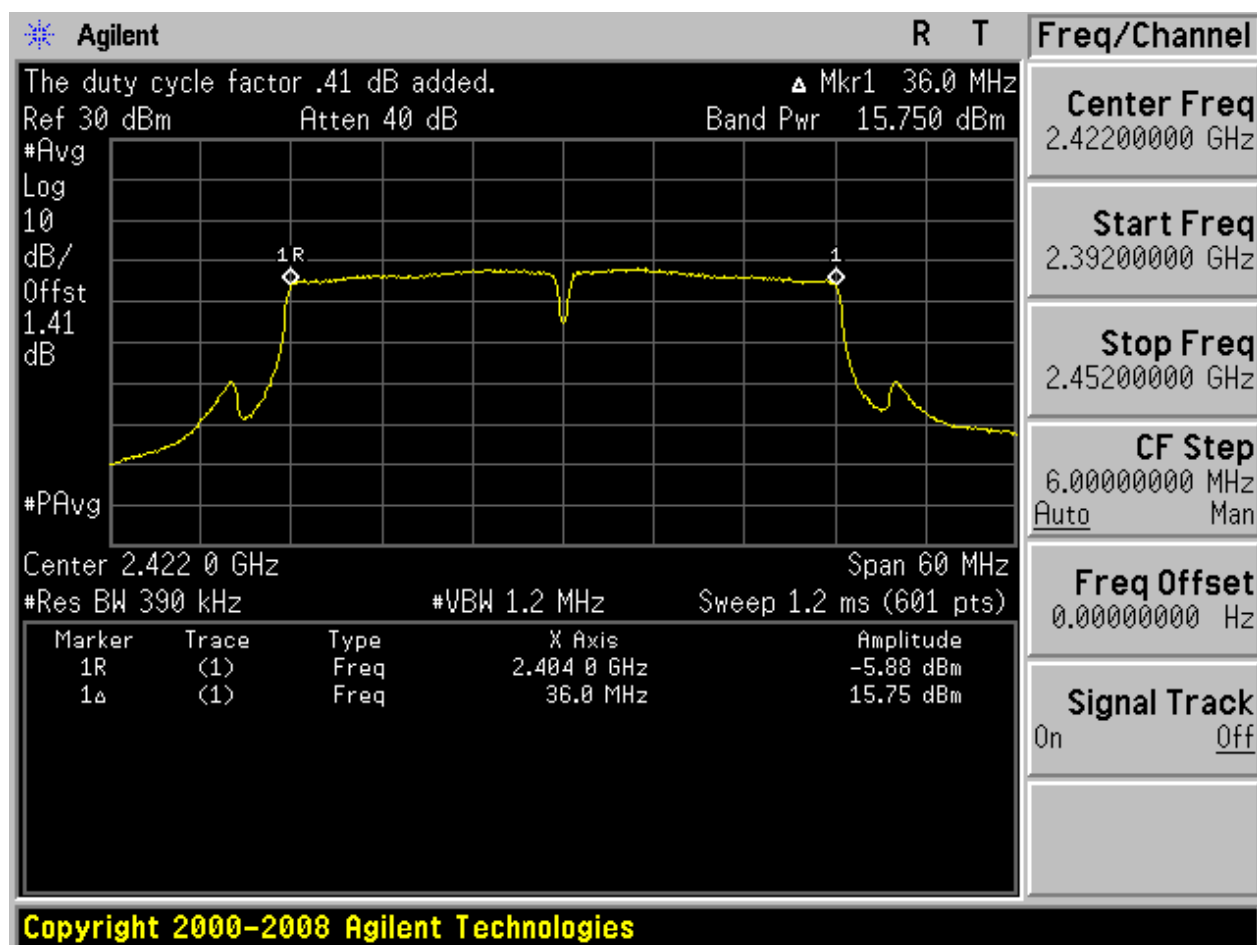


2.19 11N40_L@Ant 1



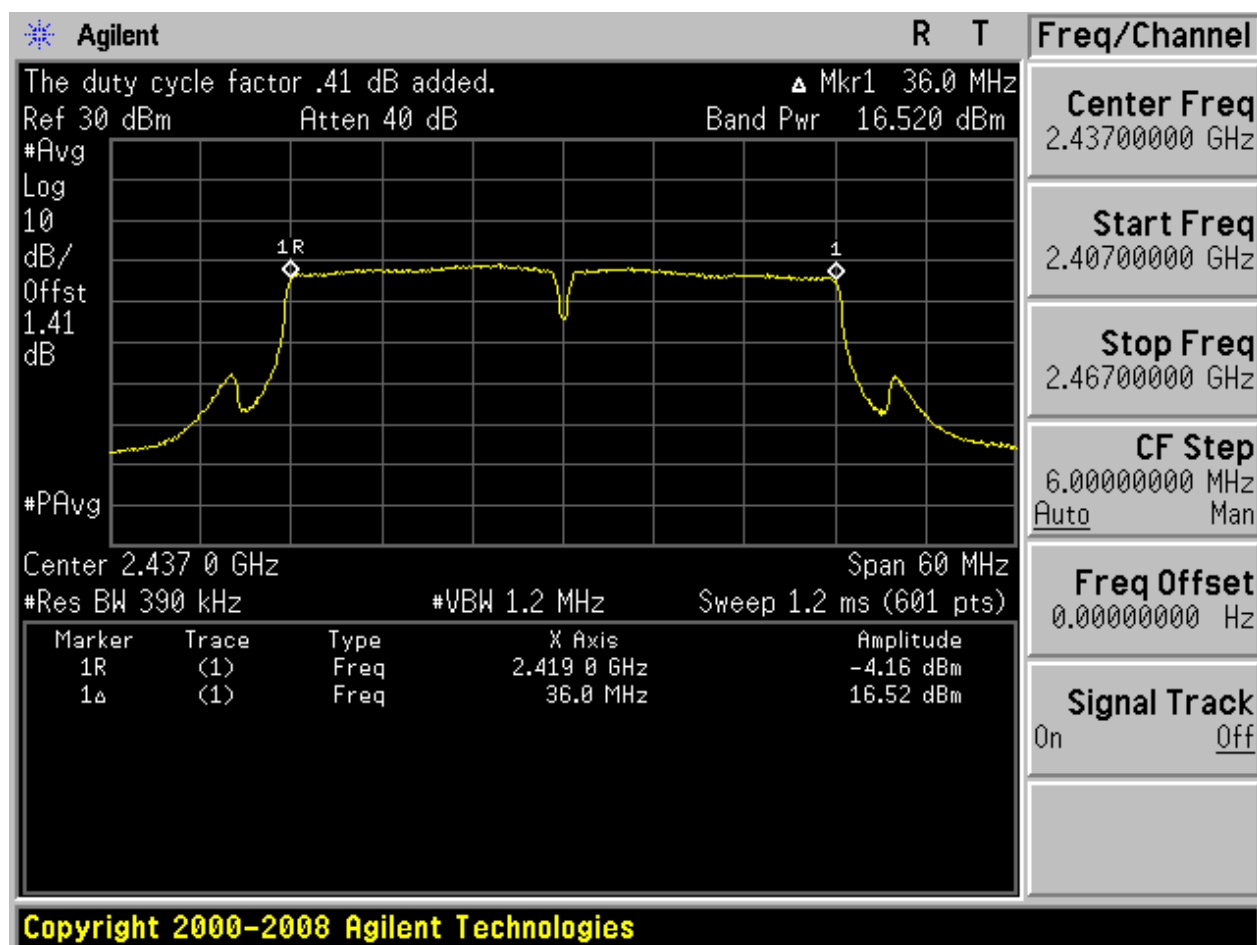


2.20 11N40_L@Ant 2



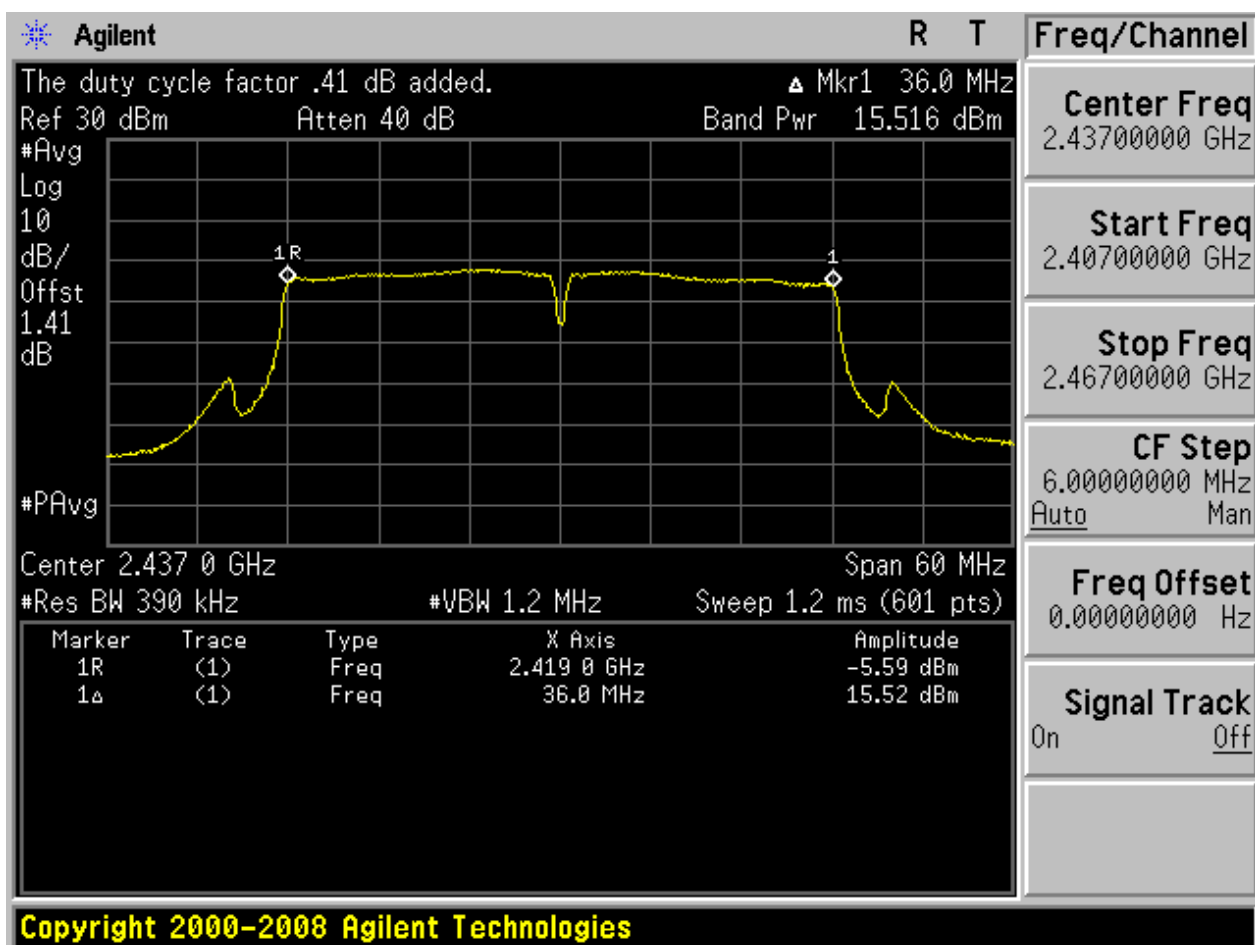


2.21 11N40_M@Ant 1



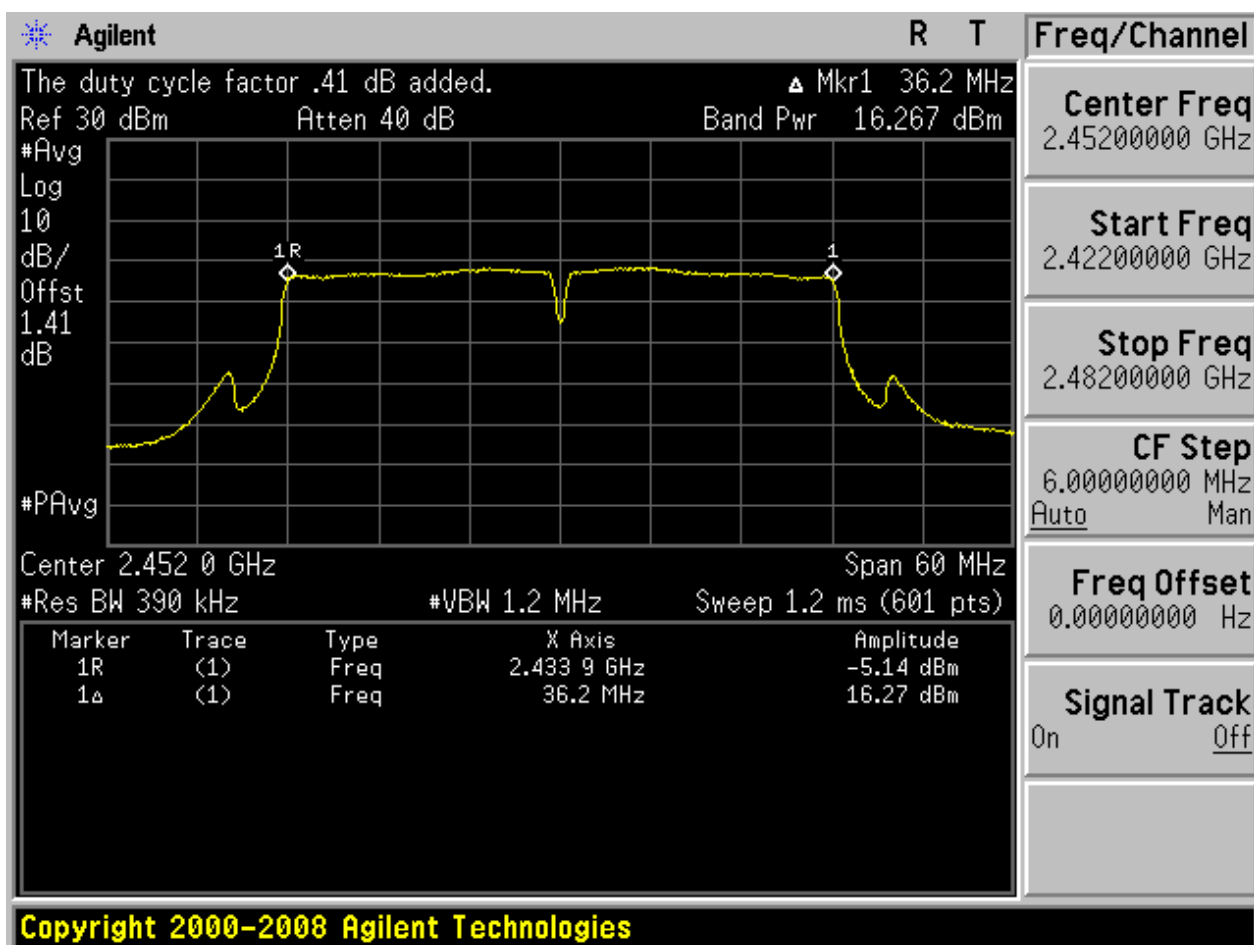


2.22 11N40_M@Ant 2



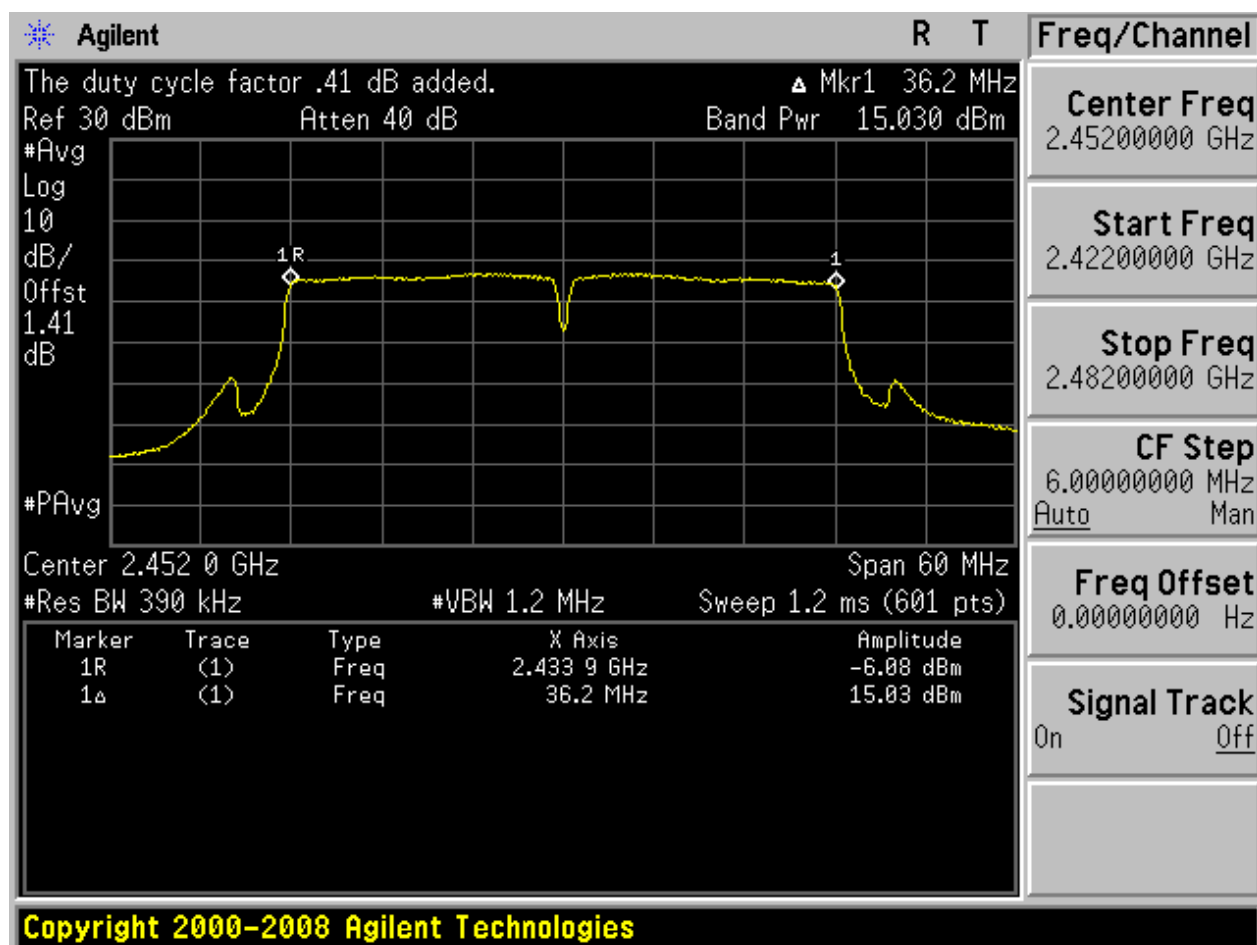


2.23 11N40_H@Ant 1



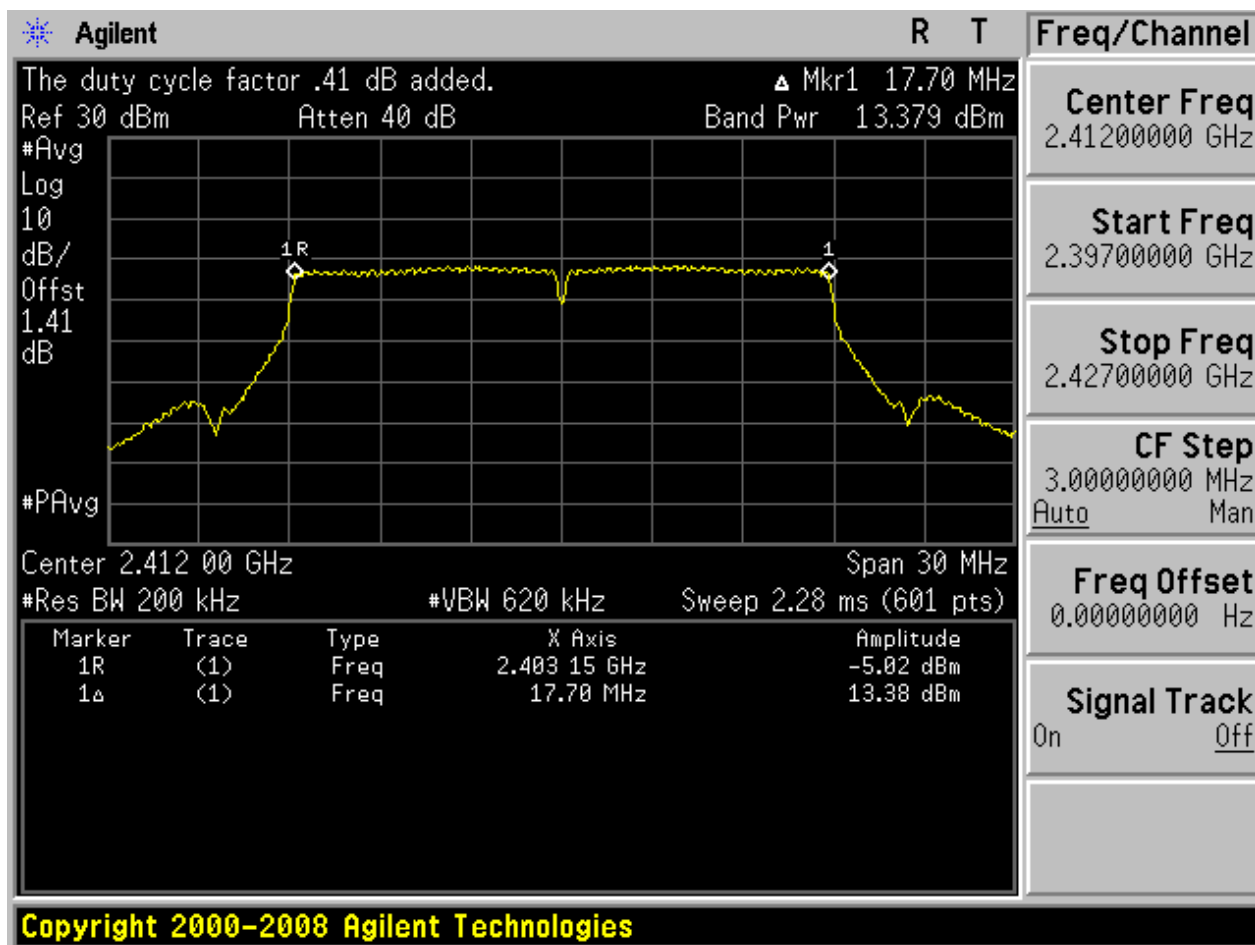


2.24 11N40_H@Ant 2



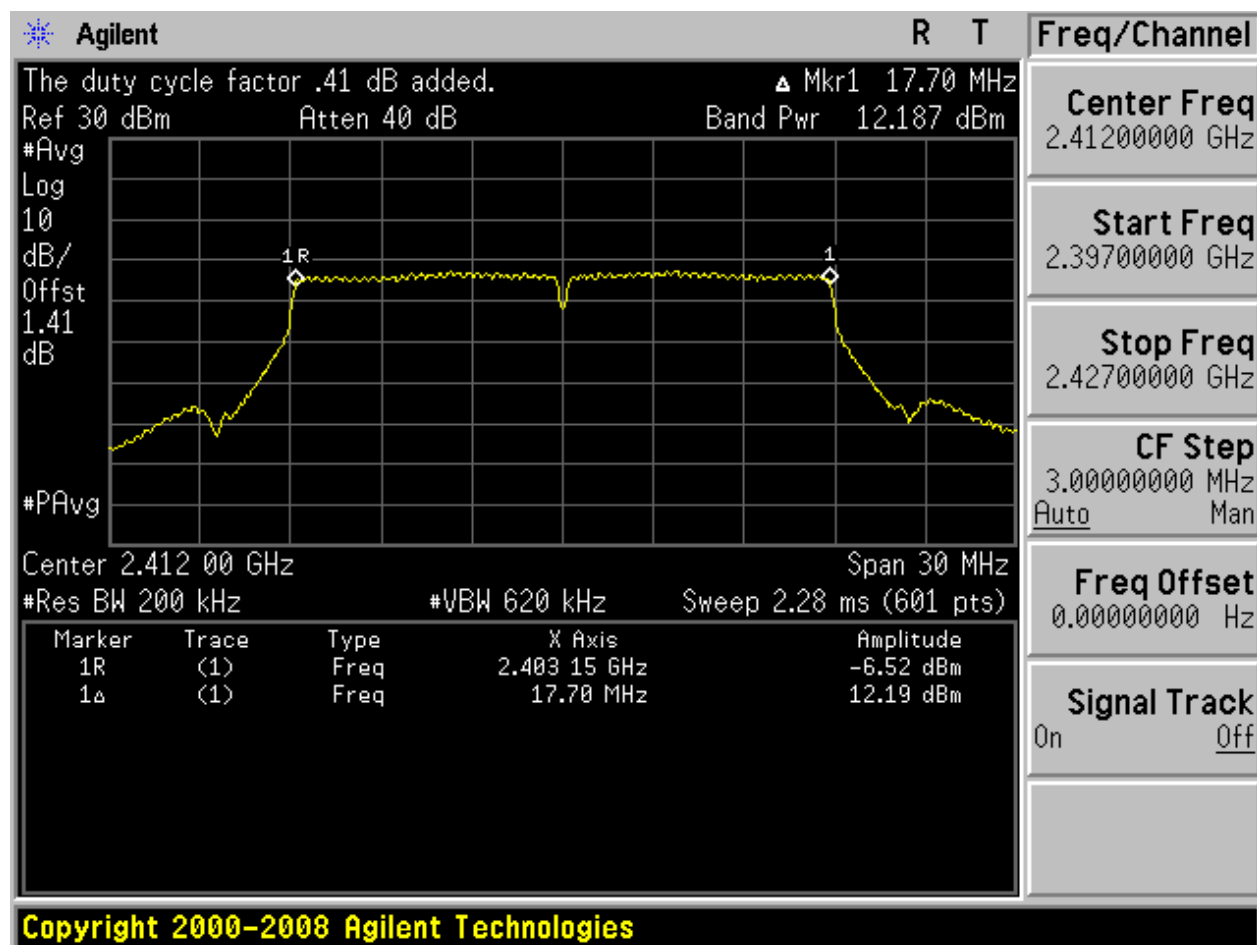


2.25 11N20m_L@Ant 1



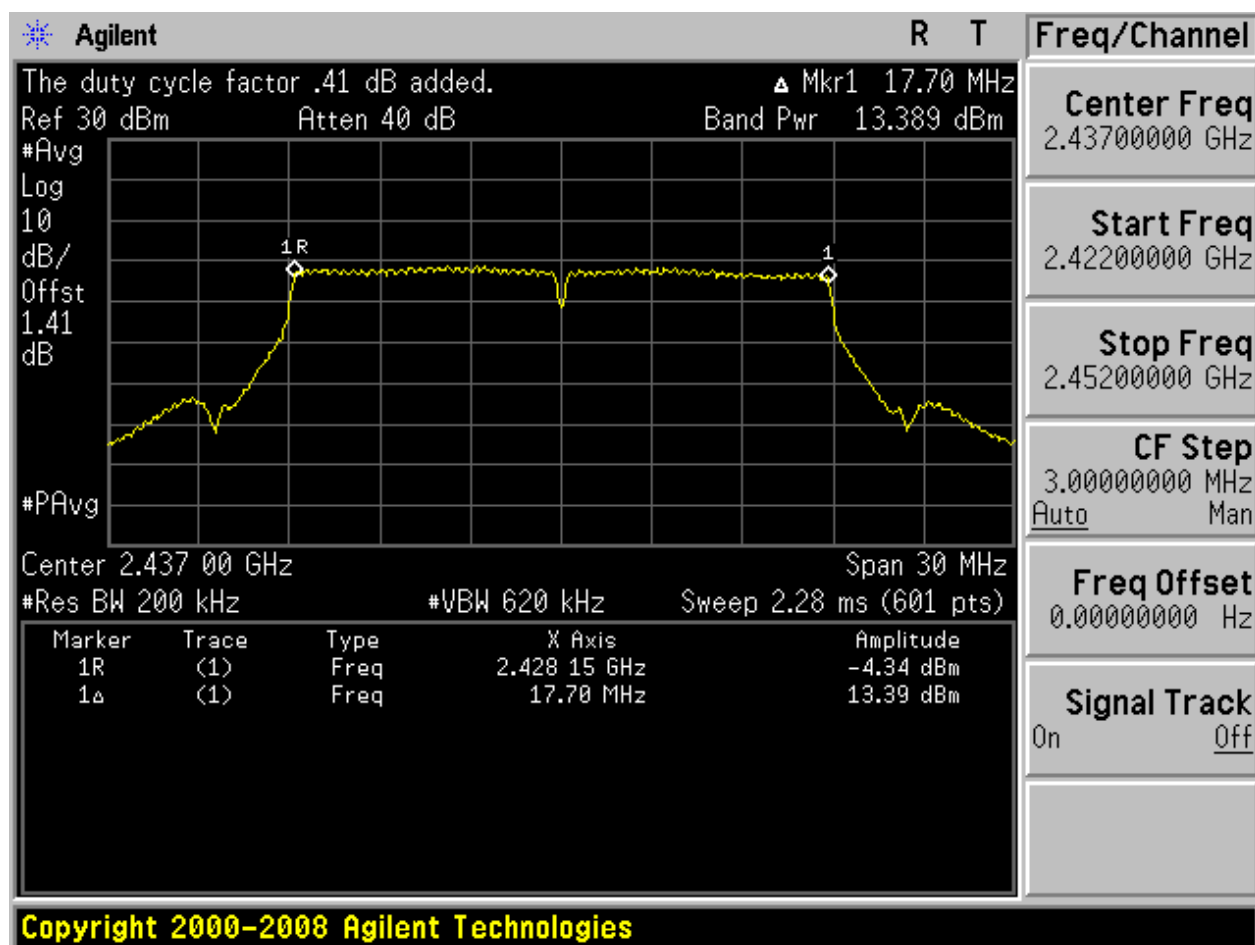


2.26 11N20m_L@Ant 2



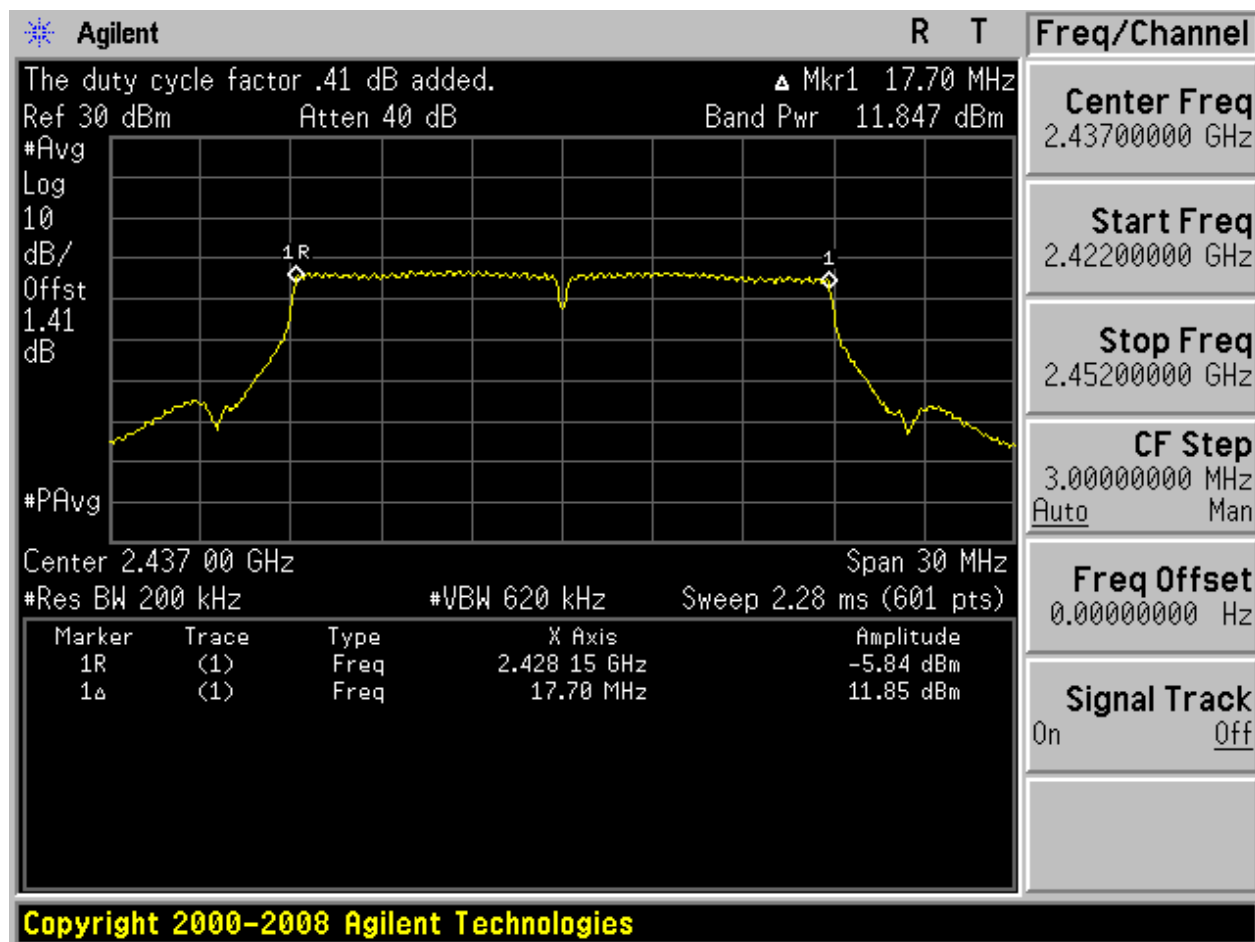


2.27 11N20m_M@Ant 1



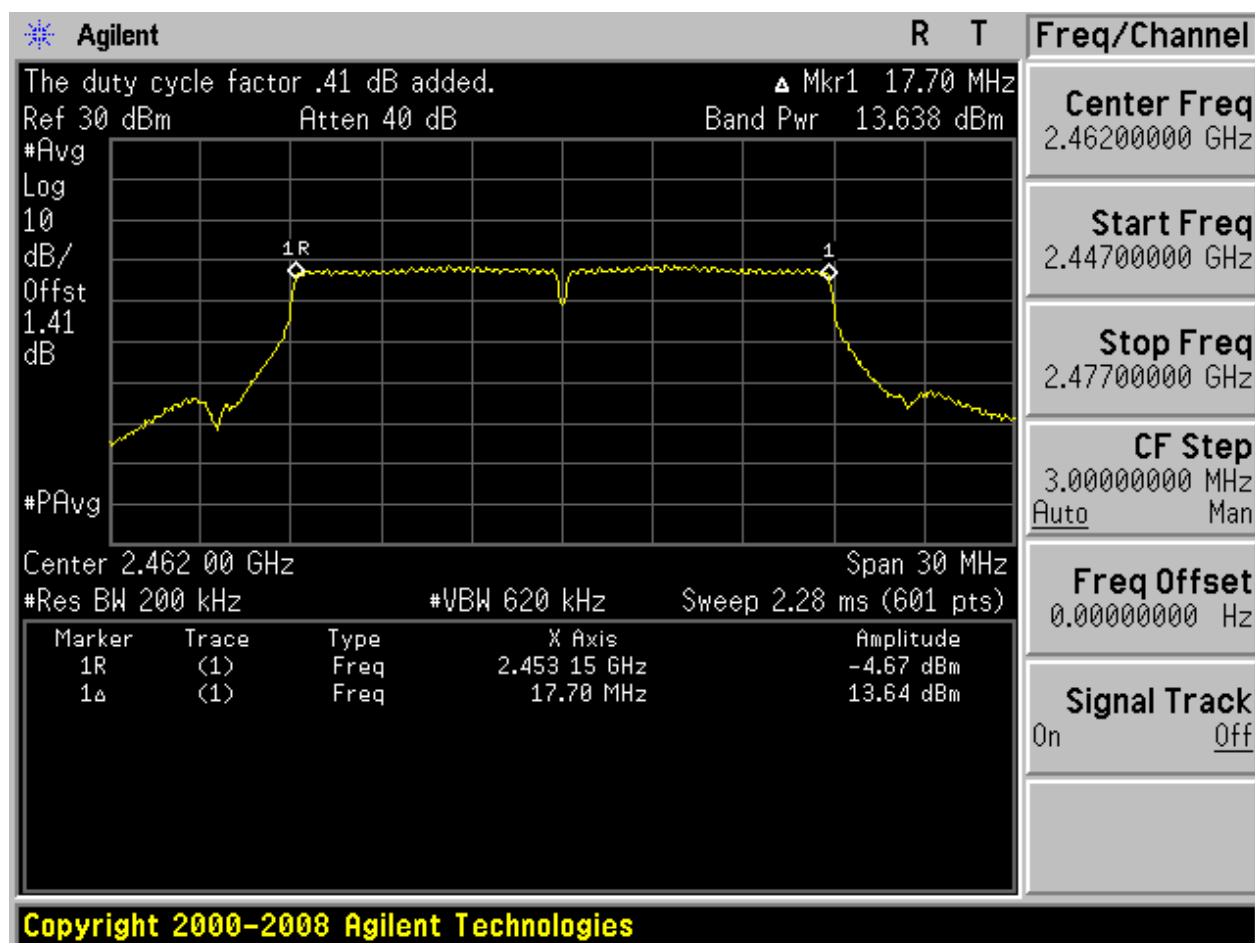


2.28 11N20m_M@Ant 2



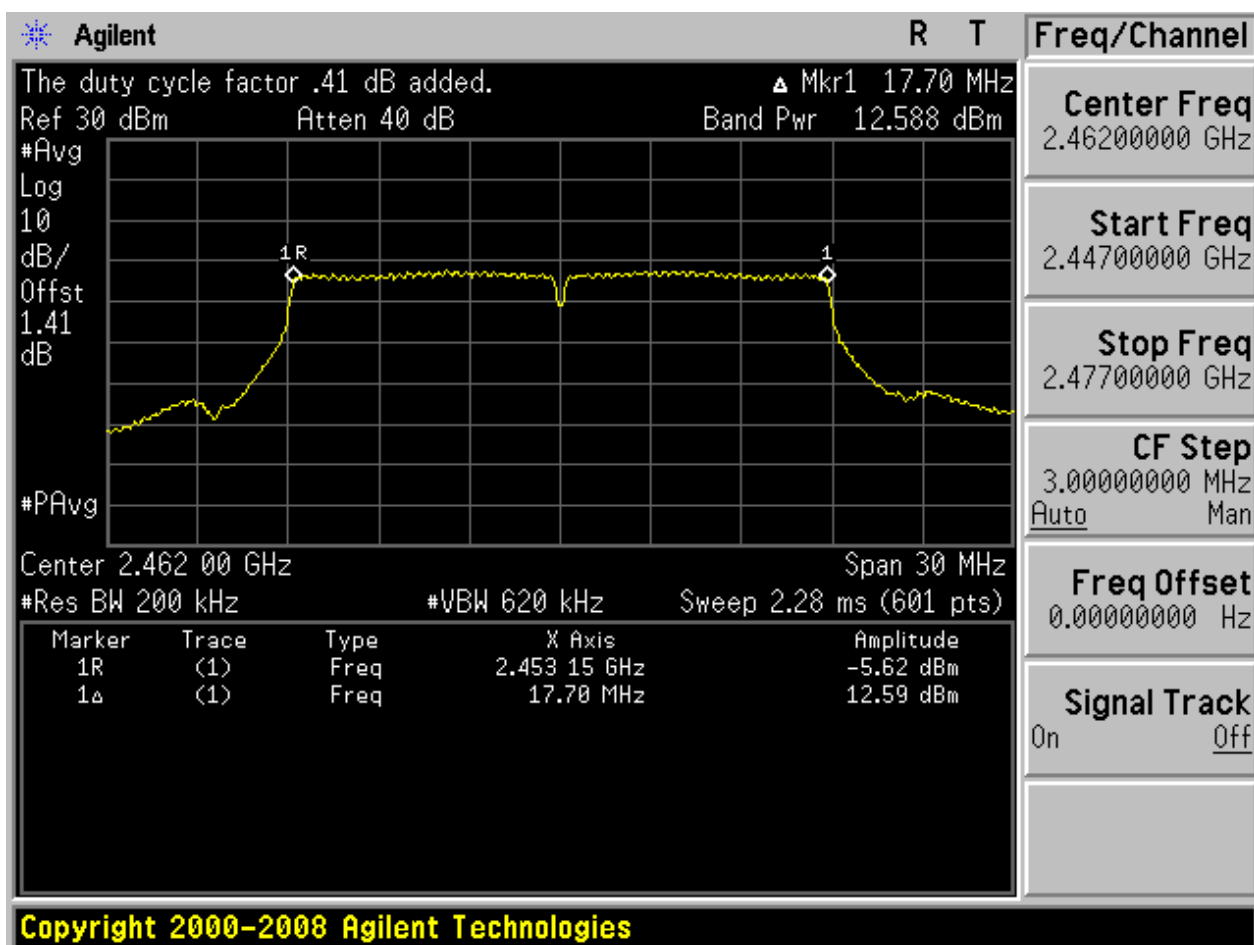


2.29 11N20m_H@Ant 1



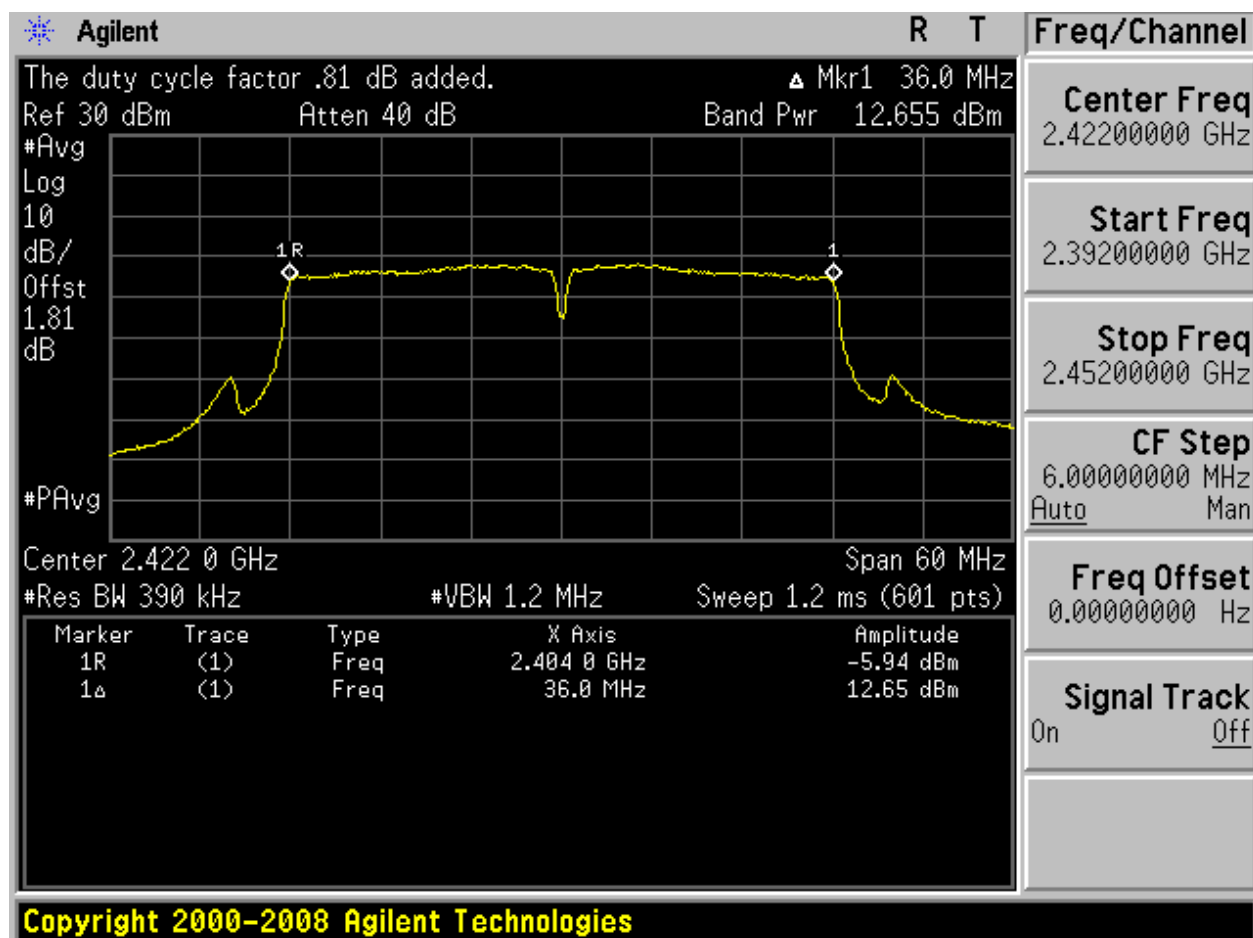


2.30 11N20m_H@Ant 2



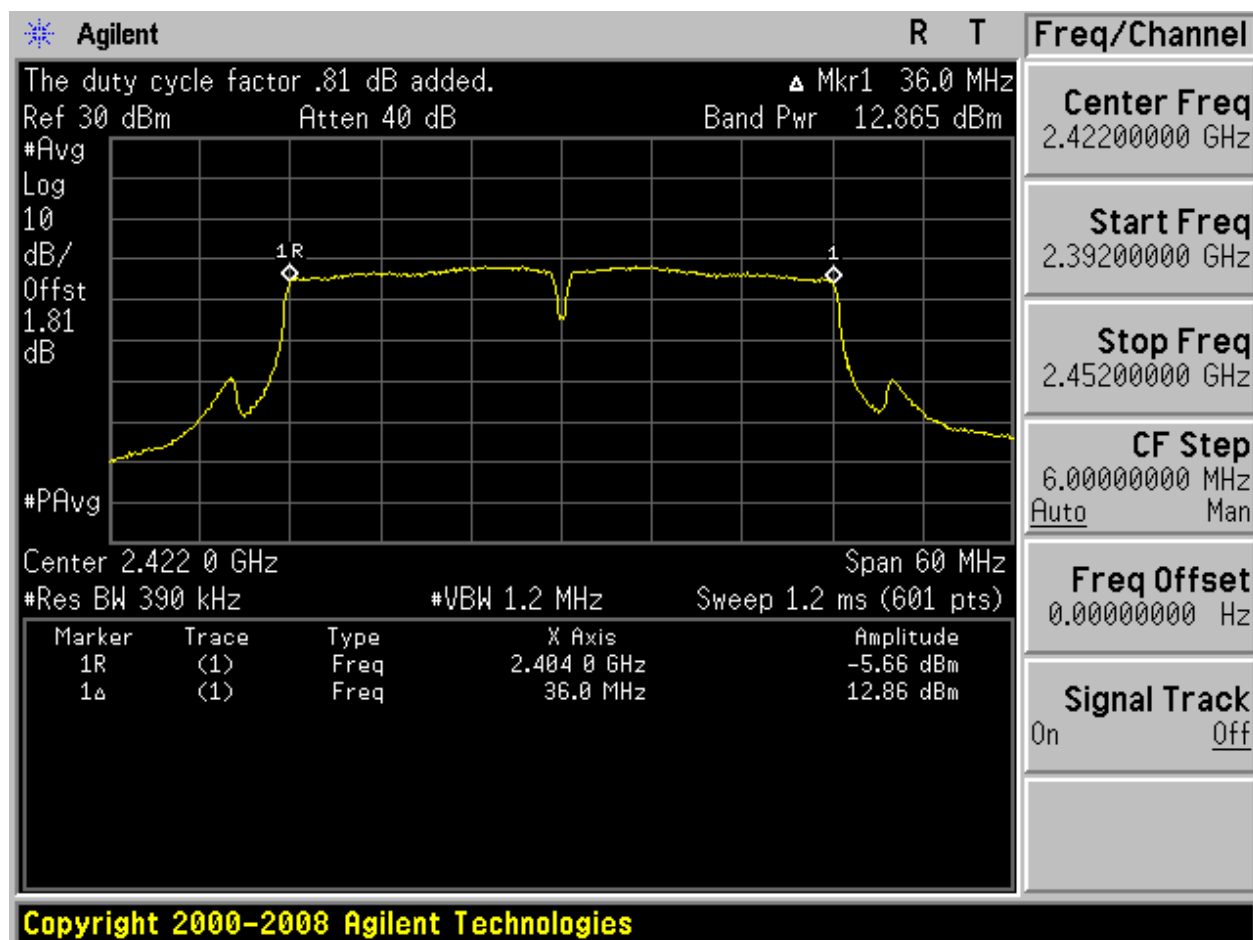


2.32 11N40m_L@Ant 2



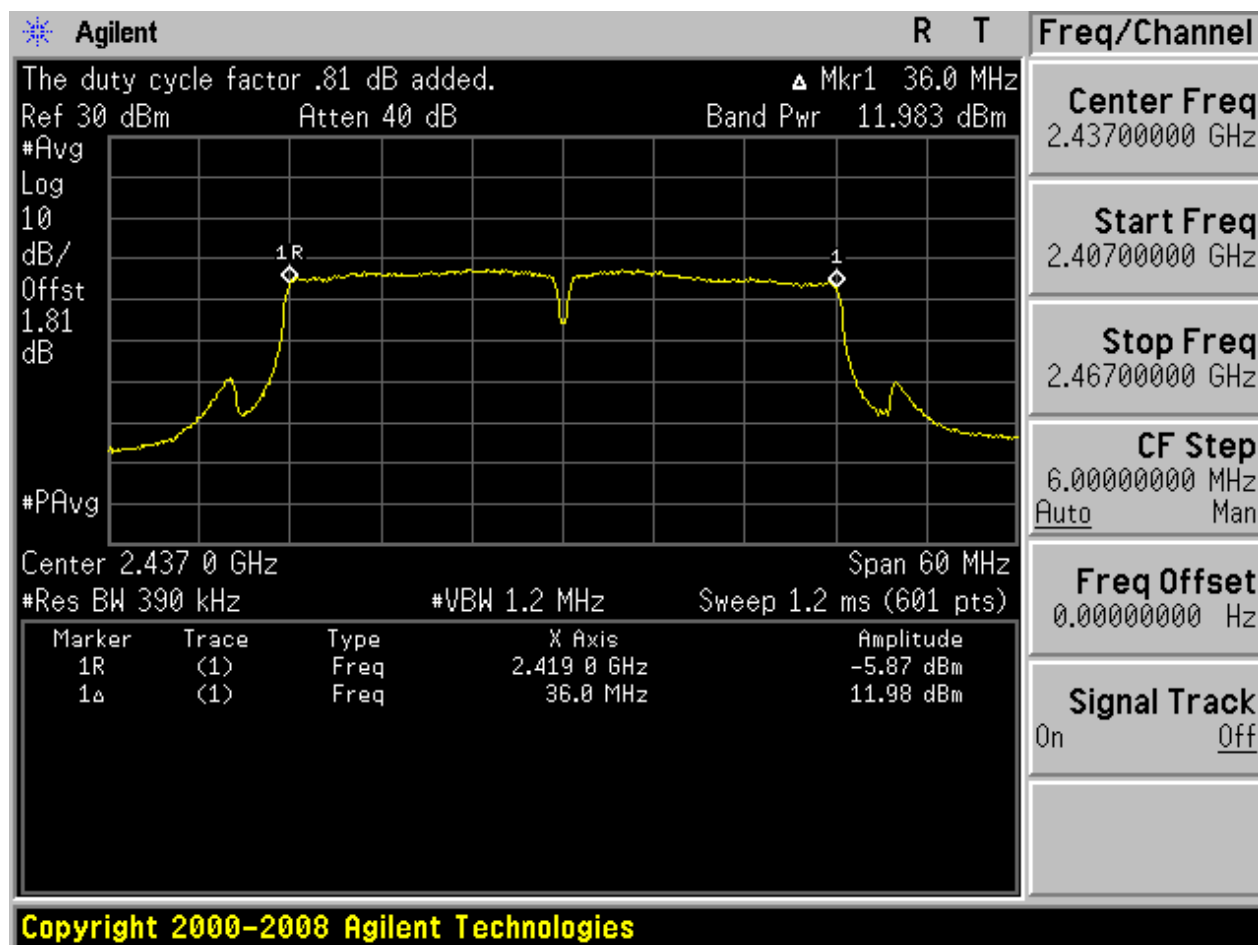


2.31 11N40m_L@Ant 1



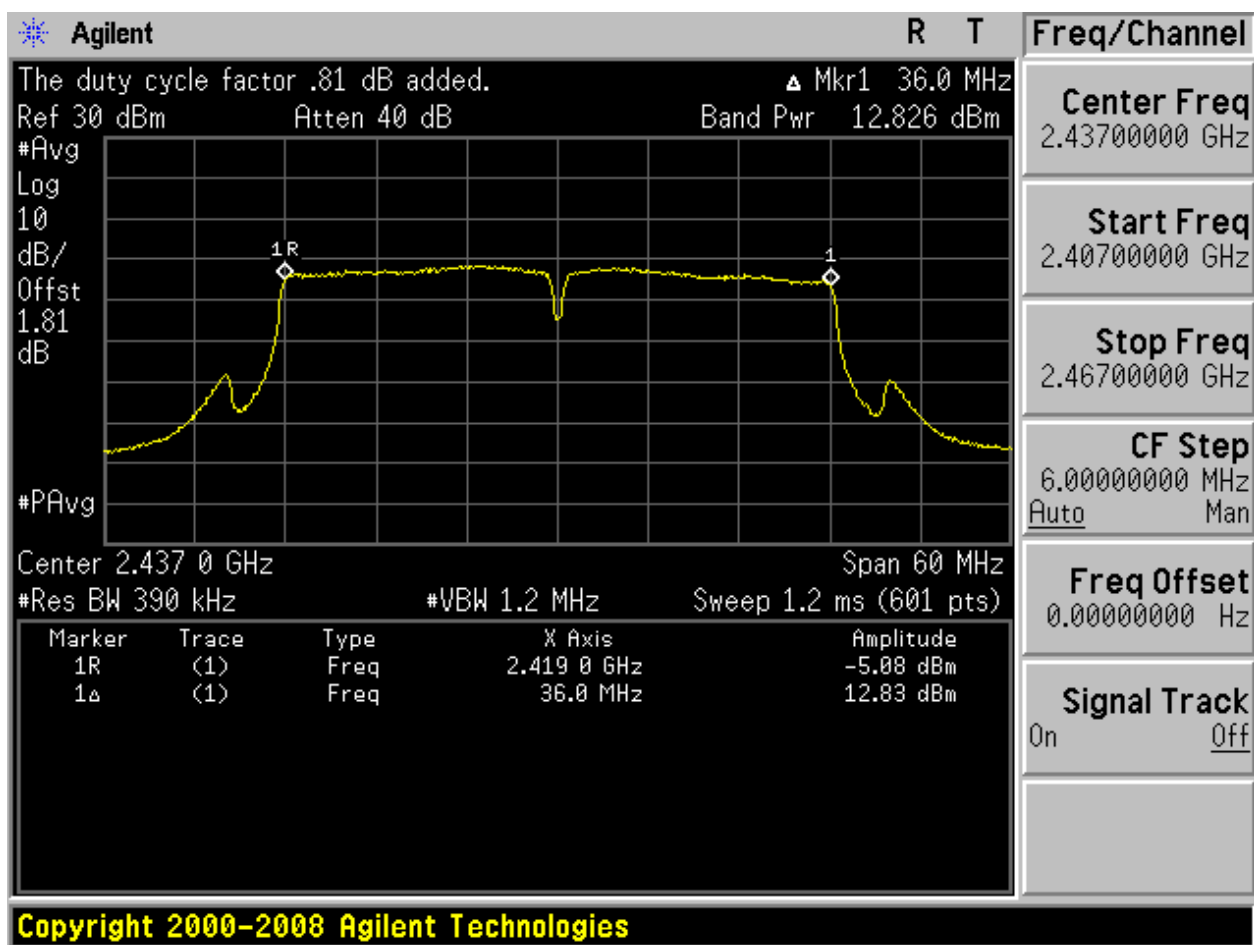


2.34 11N40m_M@Ant 2



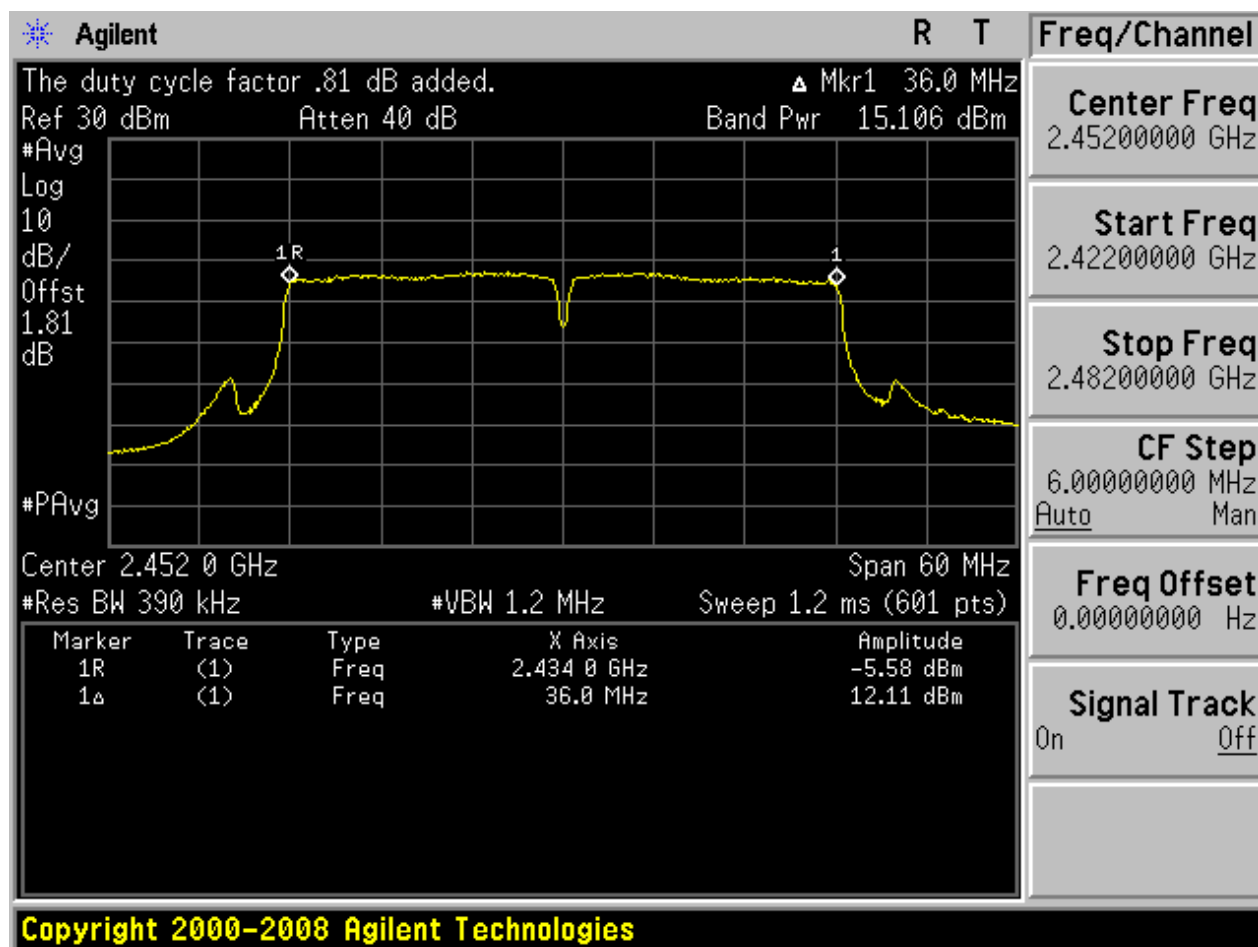


2.33 11N40m_M@Ant 1



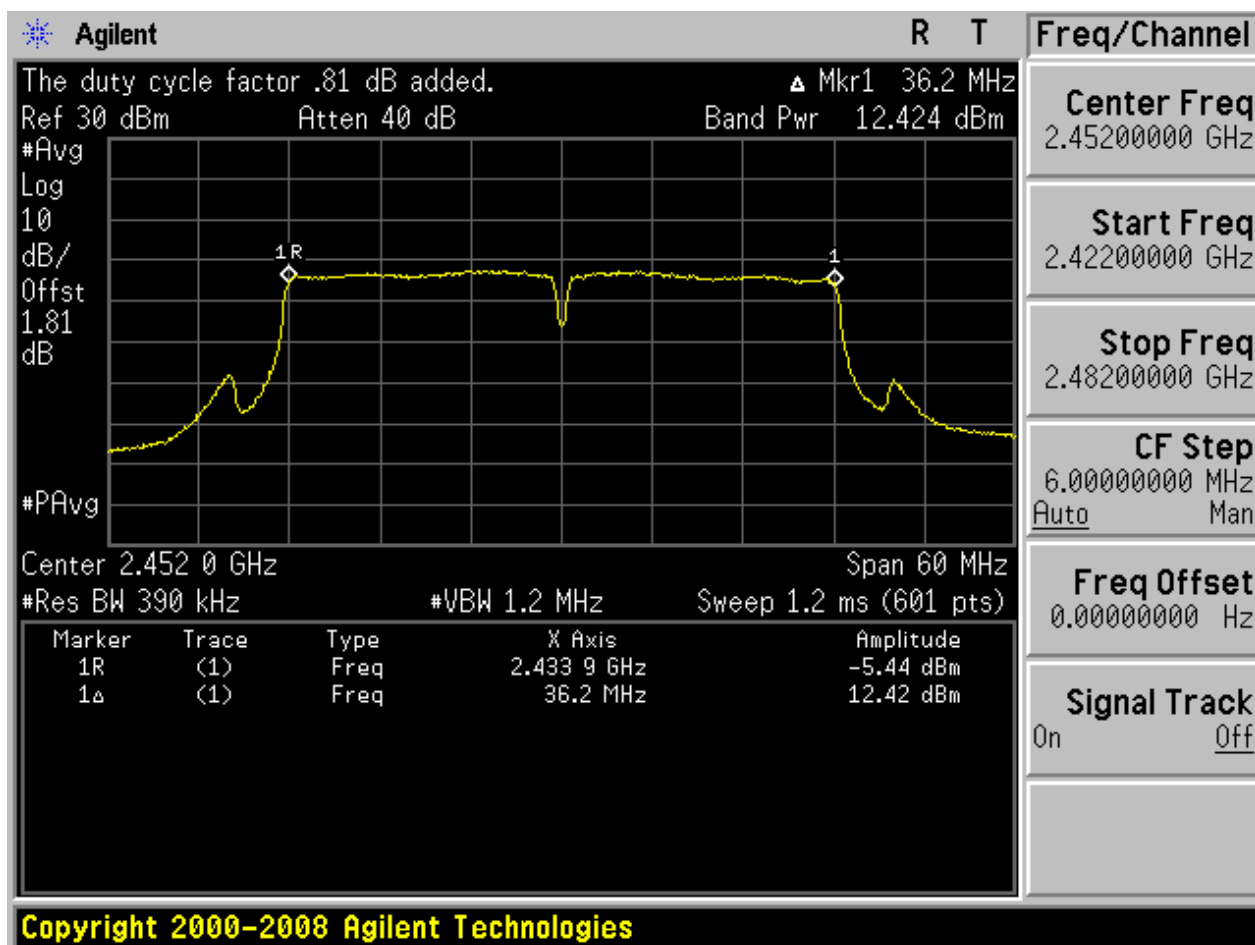


2.36 11N40m_H@Ant 2





2.35 11N40m_H@Ant 1



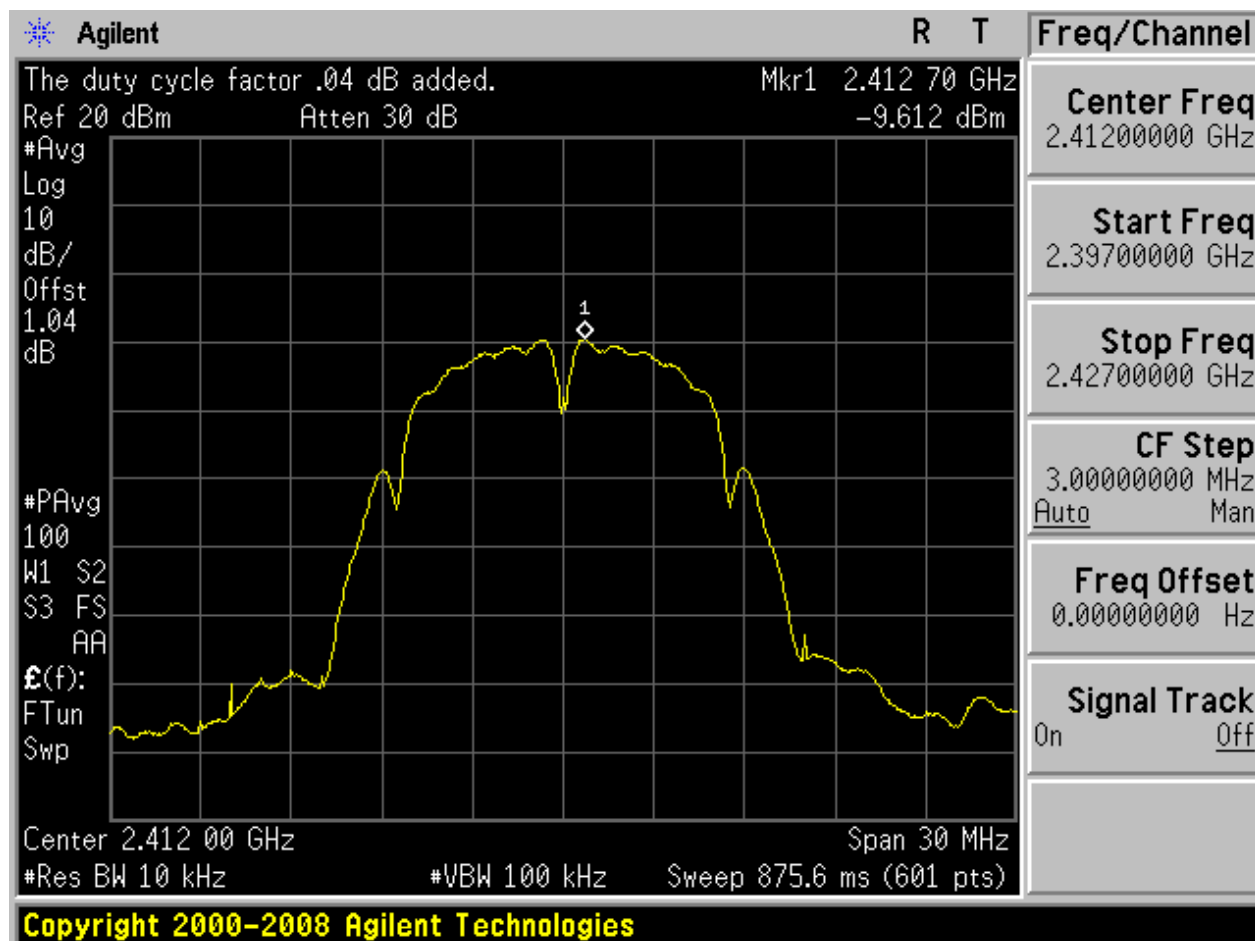
Appendix D: Maximum Power Spectral Density Level

Part I - Test Results

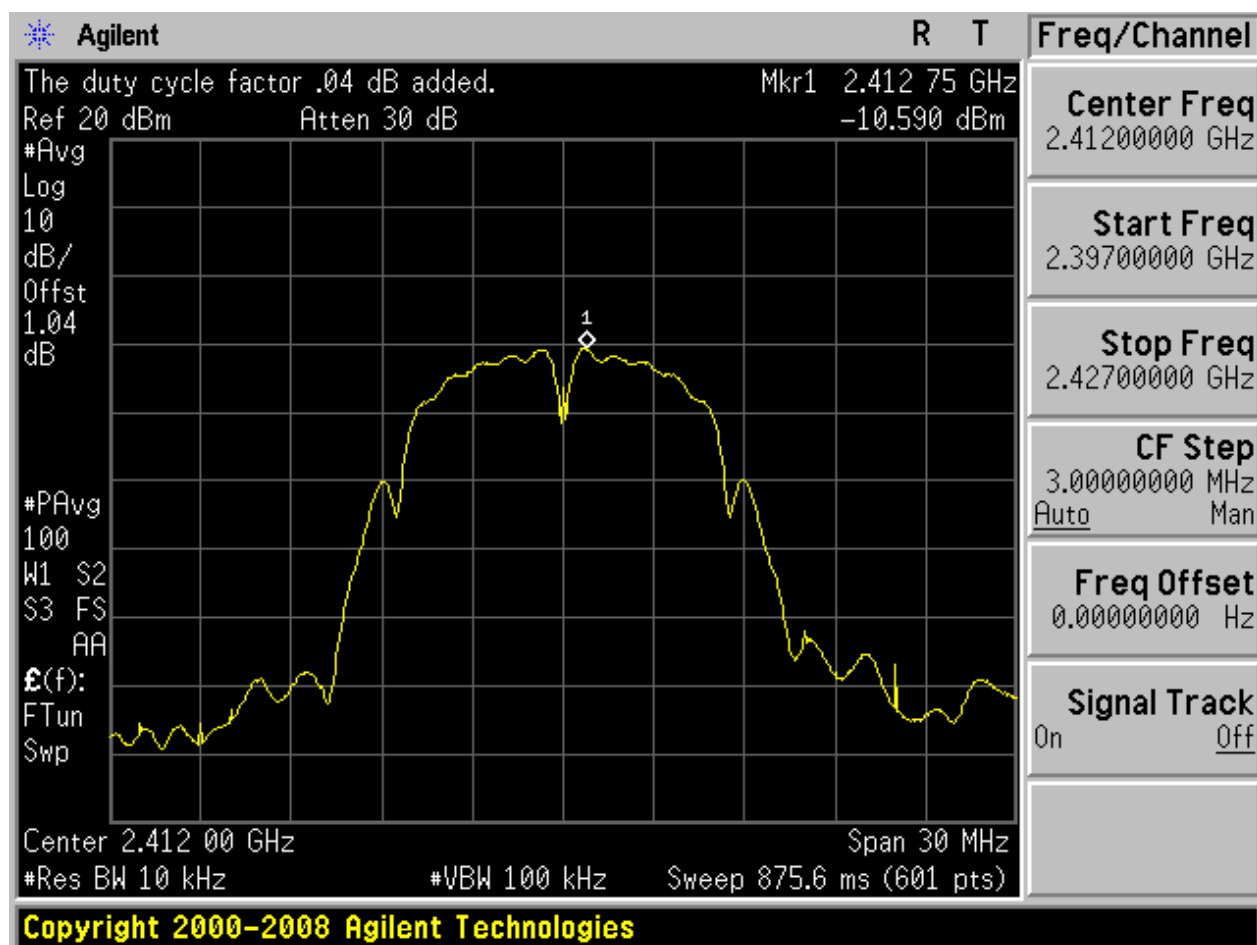
Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11B	L	2412	Ant 1	-9.61	pass
11B	L	2412	Ant 2	-10.59	pass
11B	M	2437	Ant 1	-9.76	pass
11B	M	2437	Ant 2	-10.94	pass
11B	H	2462	Ant 1	-9.59	pass
11B	H	2462	Ant 2	-10.29	pass
11G	L	2412	Ant 2	-14.07	pass
11G	L	2412	Ant 1	-13.03	pass
11G	M	2437	Ant 2	-13.96	pass
11G	M	2437	Ant 1	-12.80	pass
11G	H	2462	Ant 2	-13.35	pass
11G	H	2462	Ant 1	-12.74	pass
11N20	L	2412	Ant 1	-12.85	pass
11N20	L	2412	Ant 2	-14.15	pass
11N20	M	2437	Ant 1	-12.85	pass
11N20	M	2437	Ant 2	-14.23	pass
11N20	H	2462	Ant 1	-12.83	pass
11N20	H	2462	Ant 2	-13.55	pass
11N20m	L	2412	Ant 1	-13.43	pass
11N20m	L	2412	Ant 2	-14.64	pass
11N20m	M	2437	Ant 1	-13.20	pass
11N20m	M	2437	Ant 2	-15.03	pass
11N20m	H	2462	Ant 1	-13.08	pass
11N20m	H	2462	Ant 2	-14.14	pass
11N40	L	2422	Ant 1	-15.60	pass
11N40	L	2422	Ant 2	-16.51	pass
11N40	M	2437	Ant 1	-15.70	pass
11N40	M	2437	Ant 2	-16.79	pass
11N40	H	2452	Ant 1	-16.23	pass
11N40	H	2452	Ant 2	-17.70	pass
11N40m	L	2422	Ant 2	-16.17	pass
11N40m	L	2422	Ant 1	-16.03	pass
11N40m	M	2437	Ant 2	-16.45	pass
11N40m	M	2437	Ant 1	-15.82	pass
11N40m	H	2452	Ant 2	-17.16	pass
11N40m	H	2452	Ant 1	-16.81	pass

Part II - Test Plots

2.1 11B_L@Ant 1

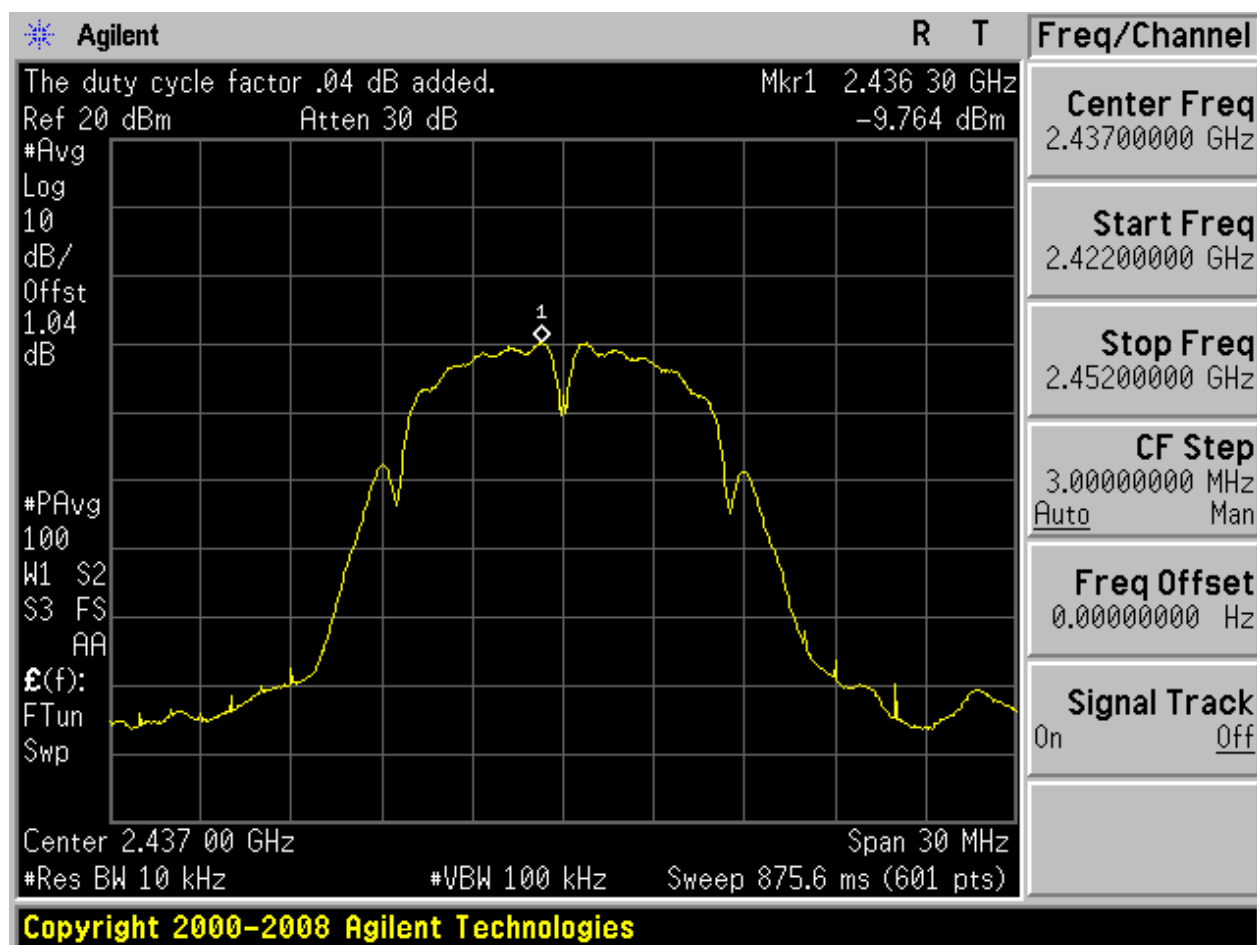


2.2 11B_L@Ant 2



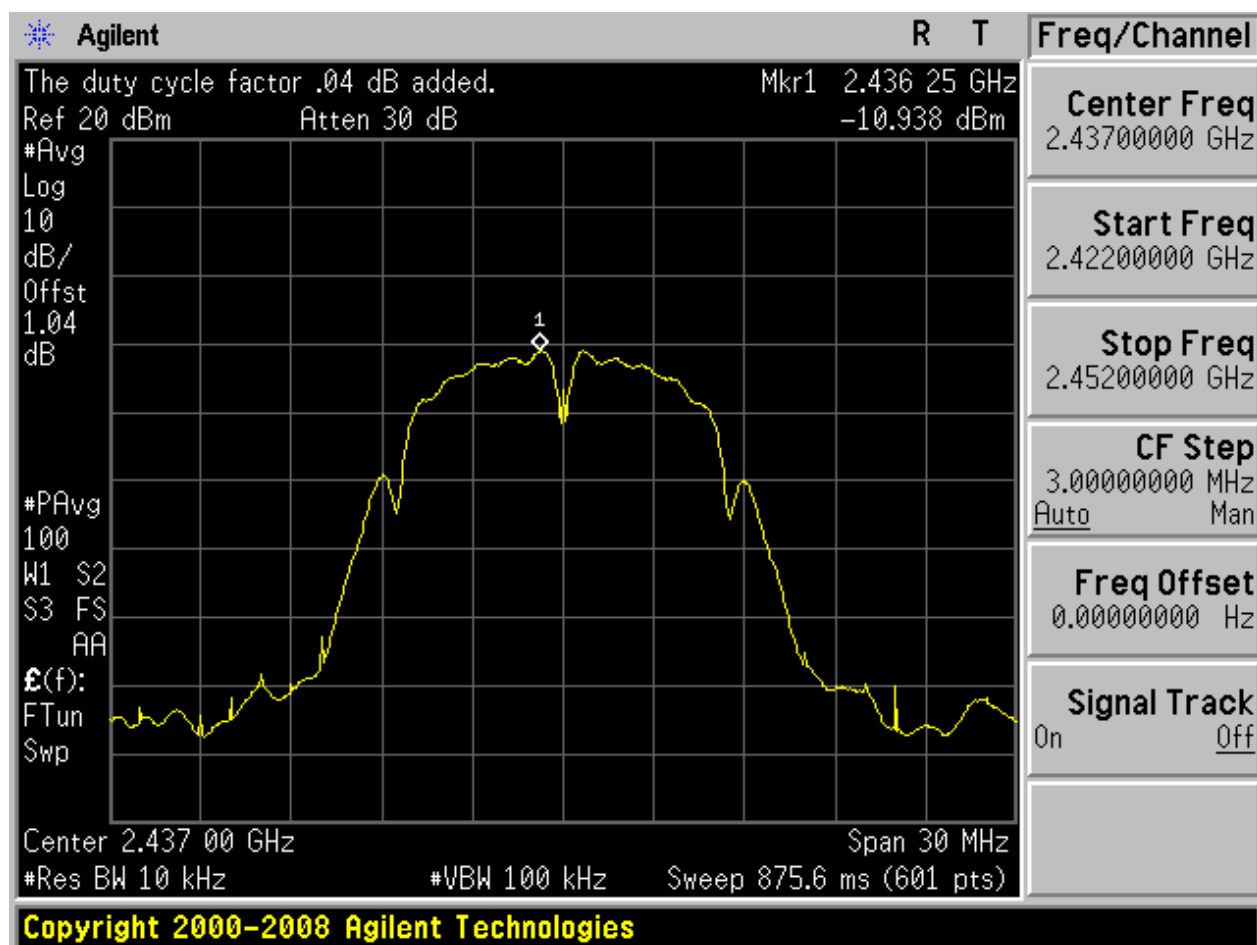


2.3 11B_M@Ant 1

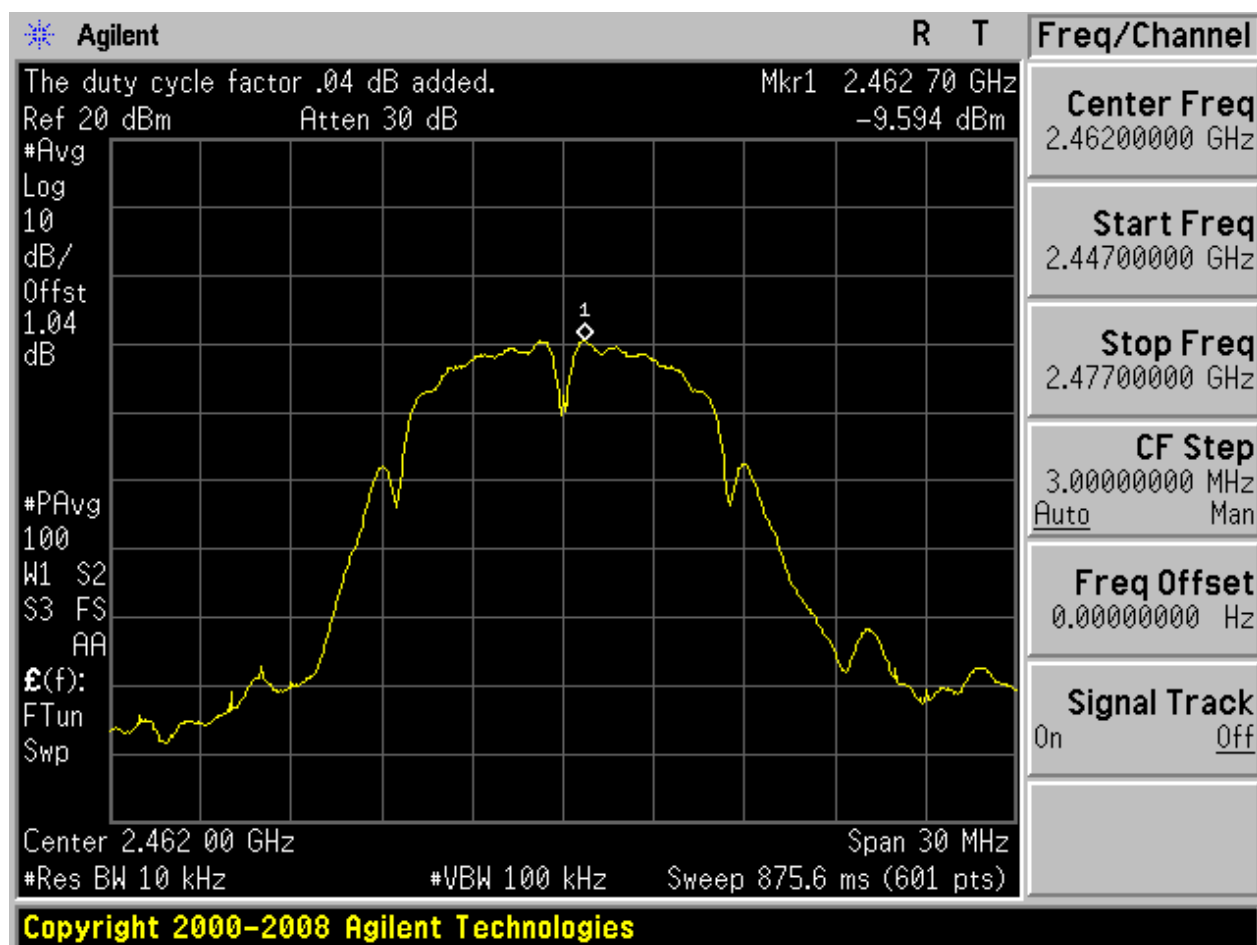




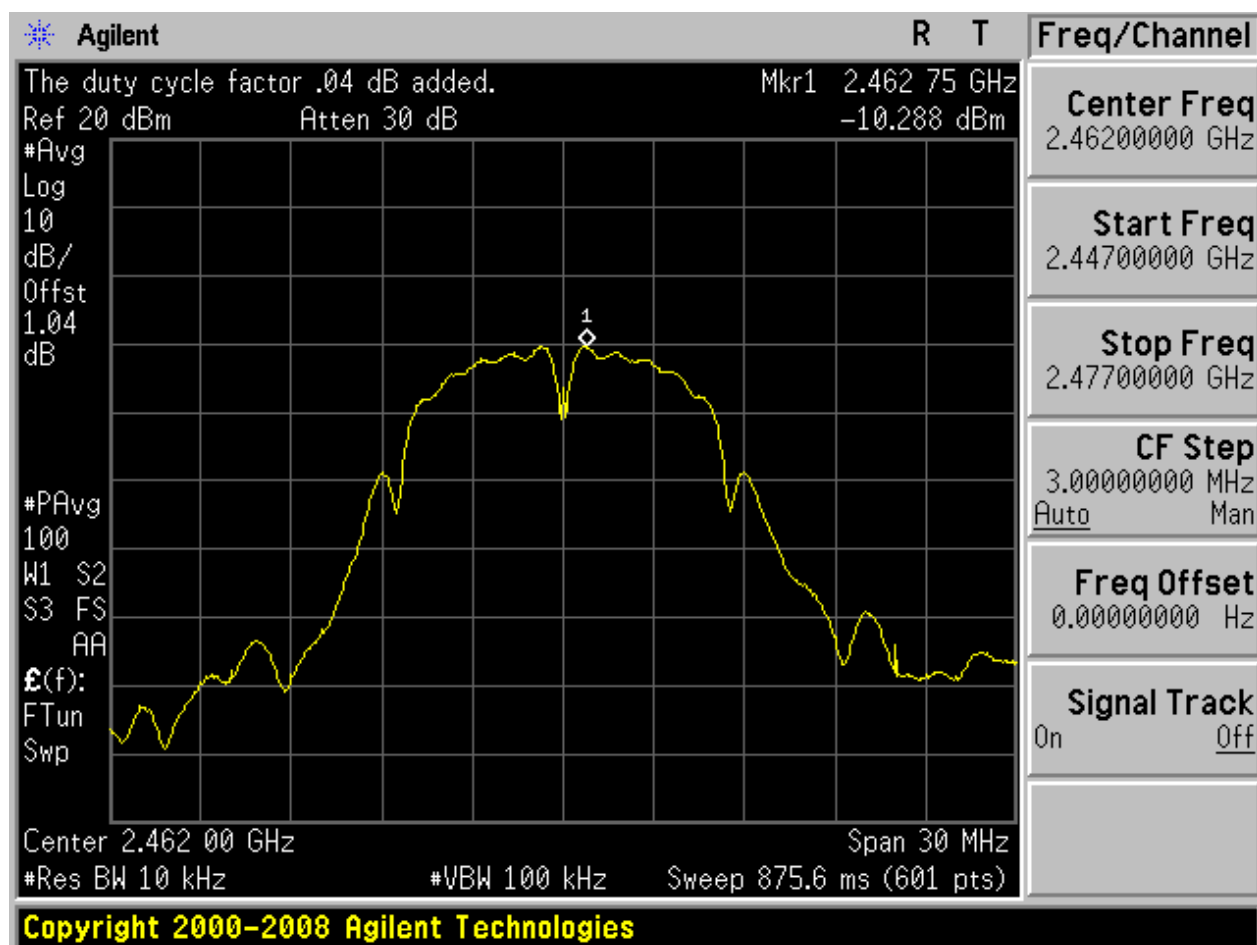
2.4 11B_M@Ant 2



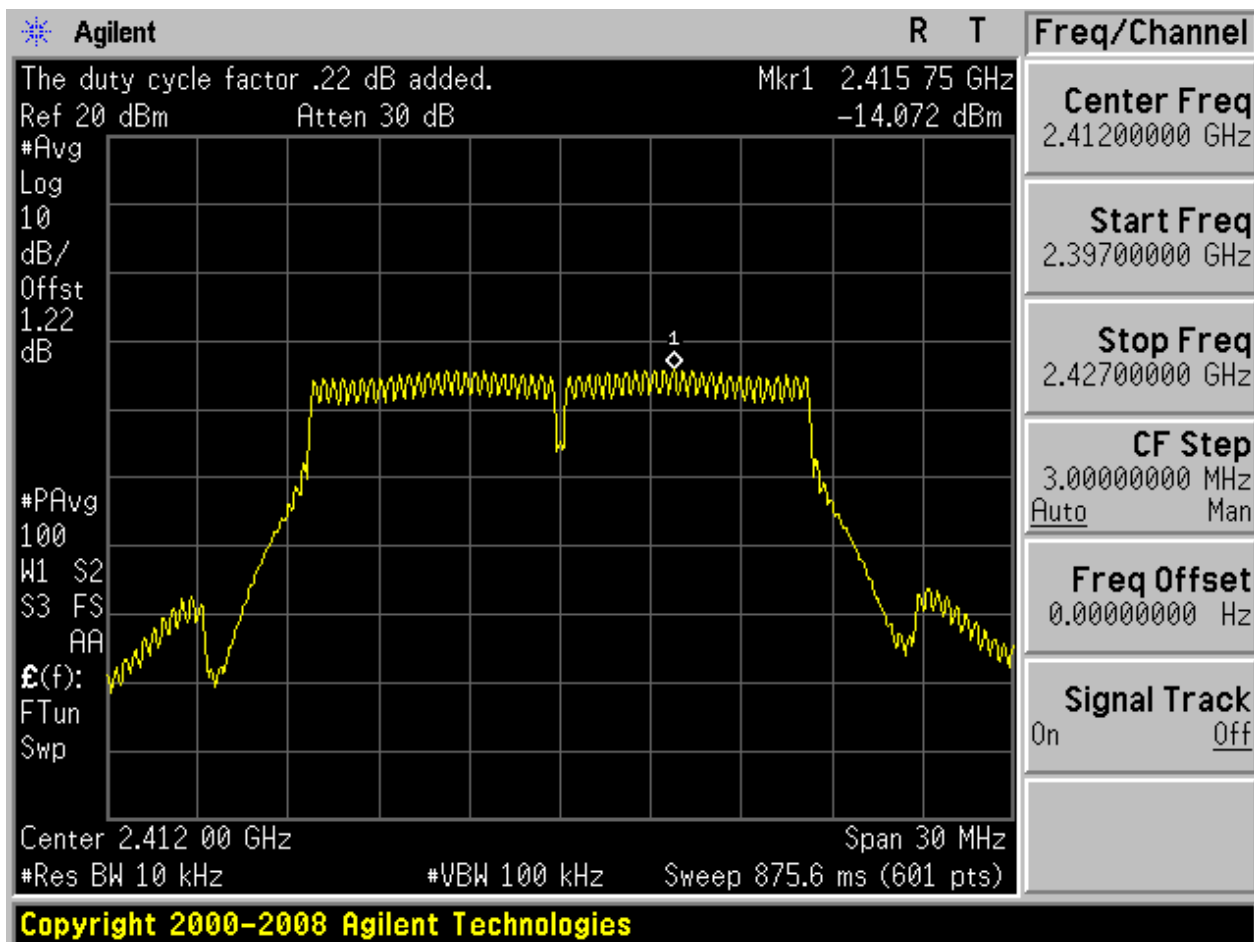
2.5 11B_H@Ant 1



2.6 11B_H@Ant 2

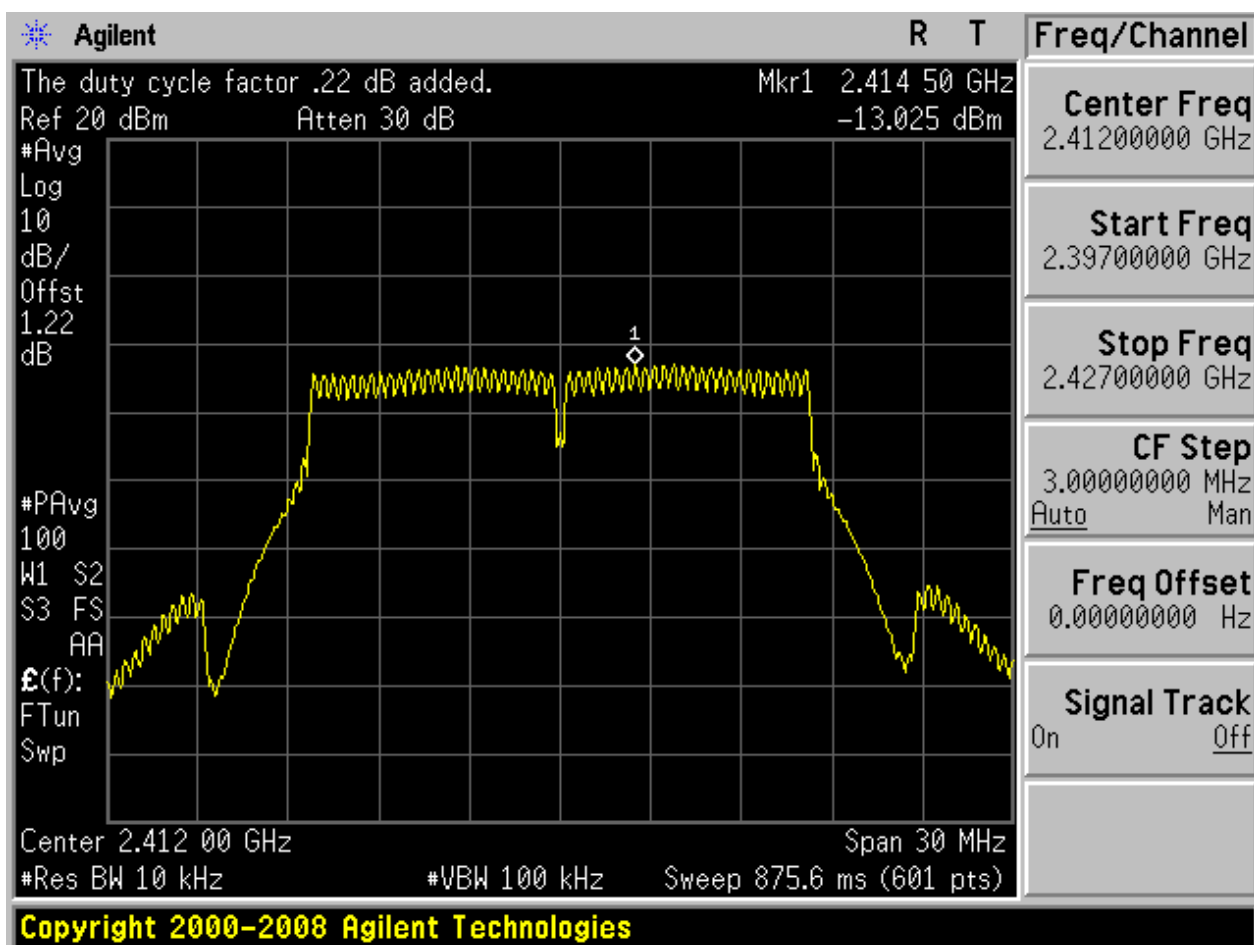


2.8 11G_L@Ant 2





2.7 11G_L@Ant 1





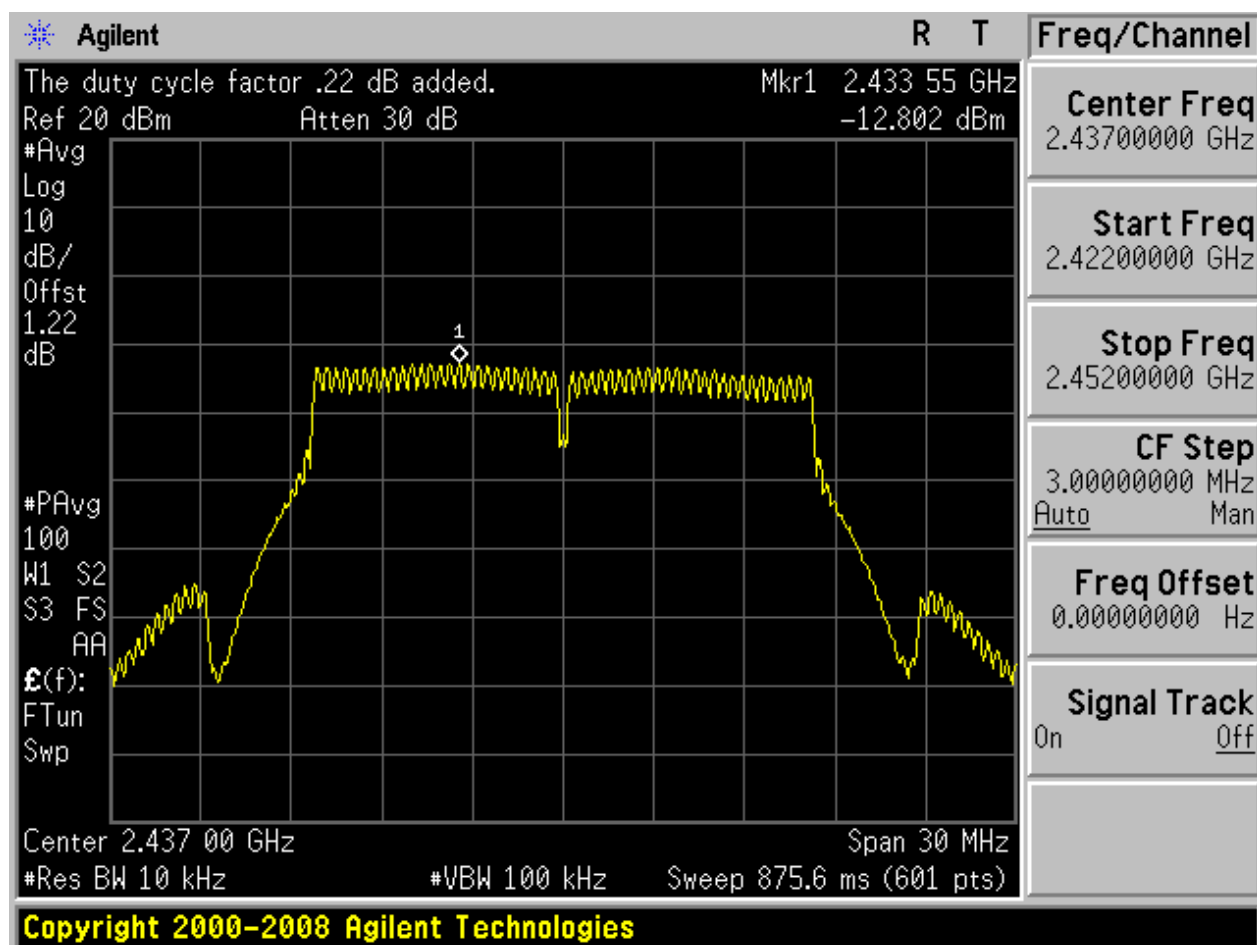
The screenshot shows an Agilent spectrum analyzer interface. The main display area shows a spectrum plot with a yellow trace. A peak is marked with a white diamond and the number '1'. The plot has a grid. The background is black, and the trace is yellow. The top of the screen has a grey header with the Agilent logo and some status indicators. The bottom of the screen has a grey footer with copyright information. On the right side, there is a table with various parameters and their values.

Freq/Channel	
Center Freq	2.43700000 GHz
Start Freq	2.42200000 GHz
Stop Freq	2.45200000 GHz
CF Step	3.00000000 MHz
Freq Offset	0.00000000 Hz
Signal Track	Off

Other visible settings and values include: Center 2.437 00 GHz, Span 30 MHz, Res BW 10 kHz, VBW 100 kHz, Sweep 875.6 ms (601 pts), Mkr1 2.433 25 GHz, -13.958 dBm, Atten 30 dB, Ref 20 dBm, The duty cycle factor .22 dB added.

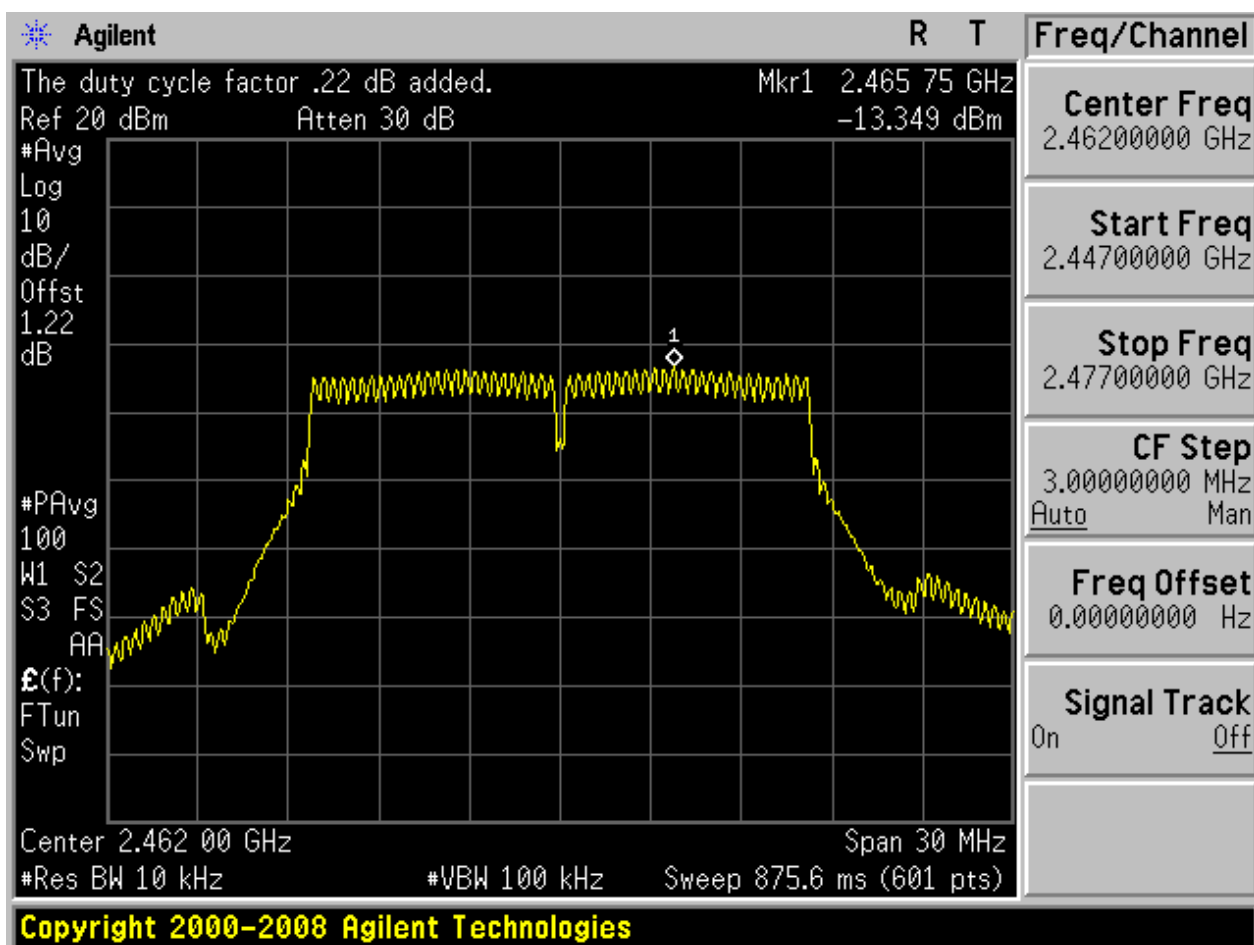


2.9 11G_M@Ant 1



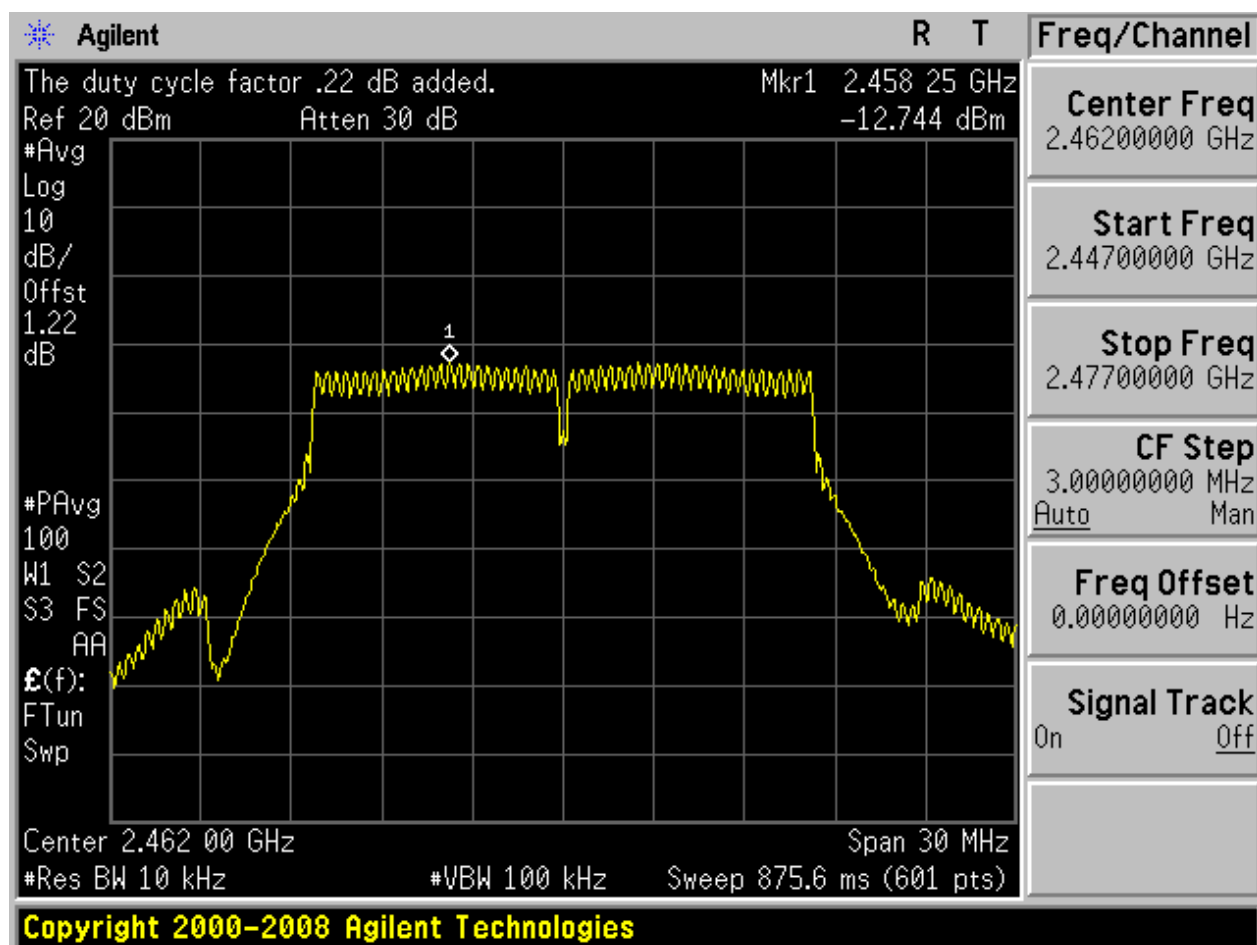


2.12 11G_H@Ant 2



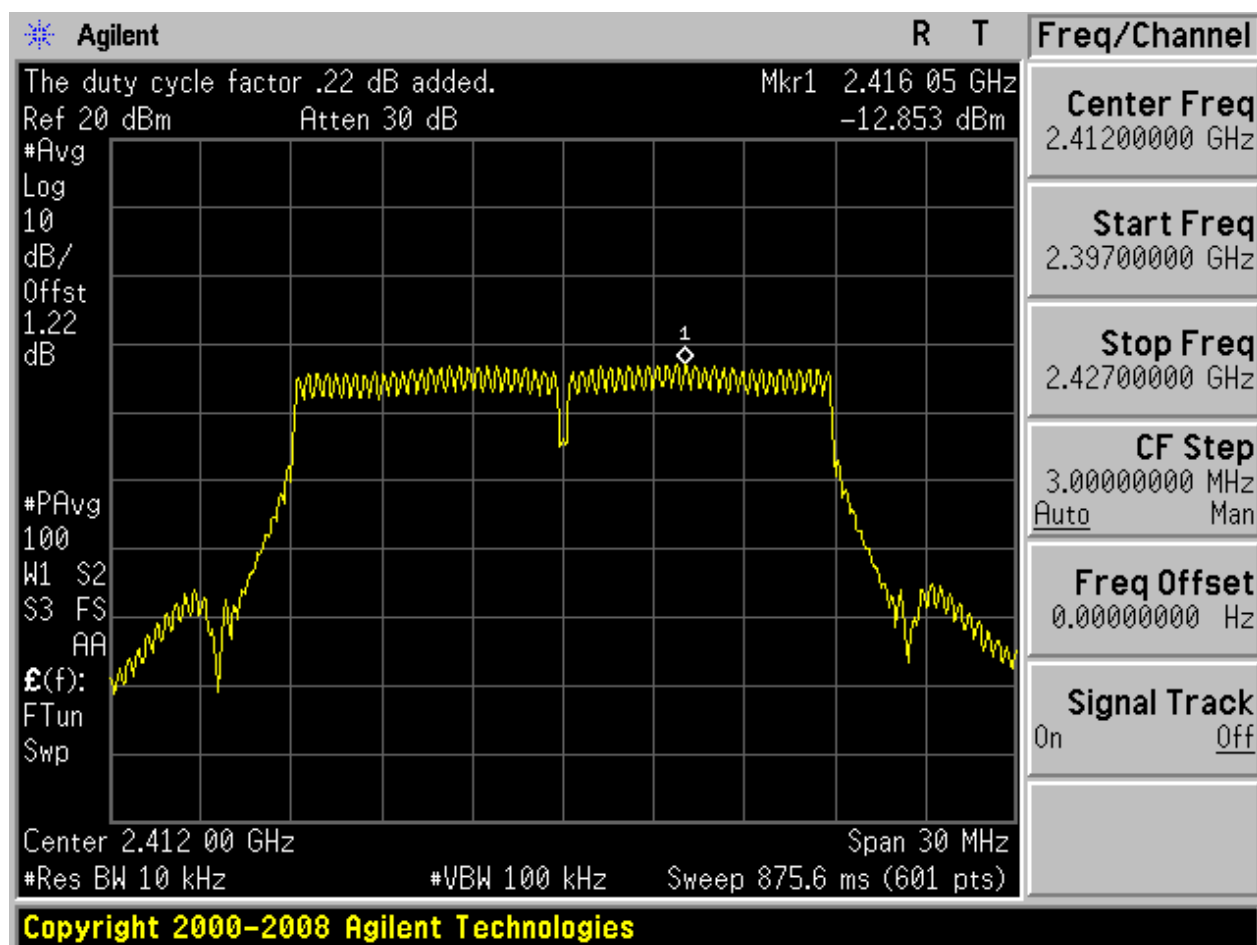


2.11 11G_H@Ant 1



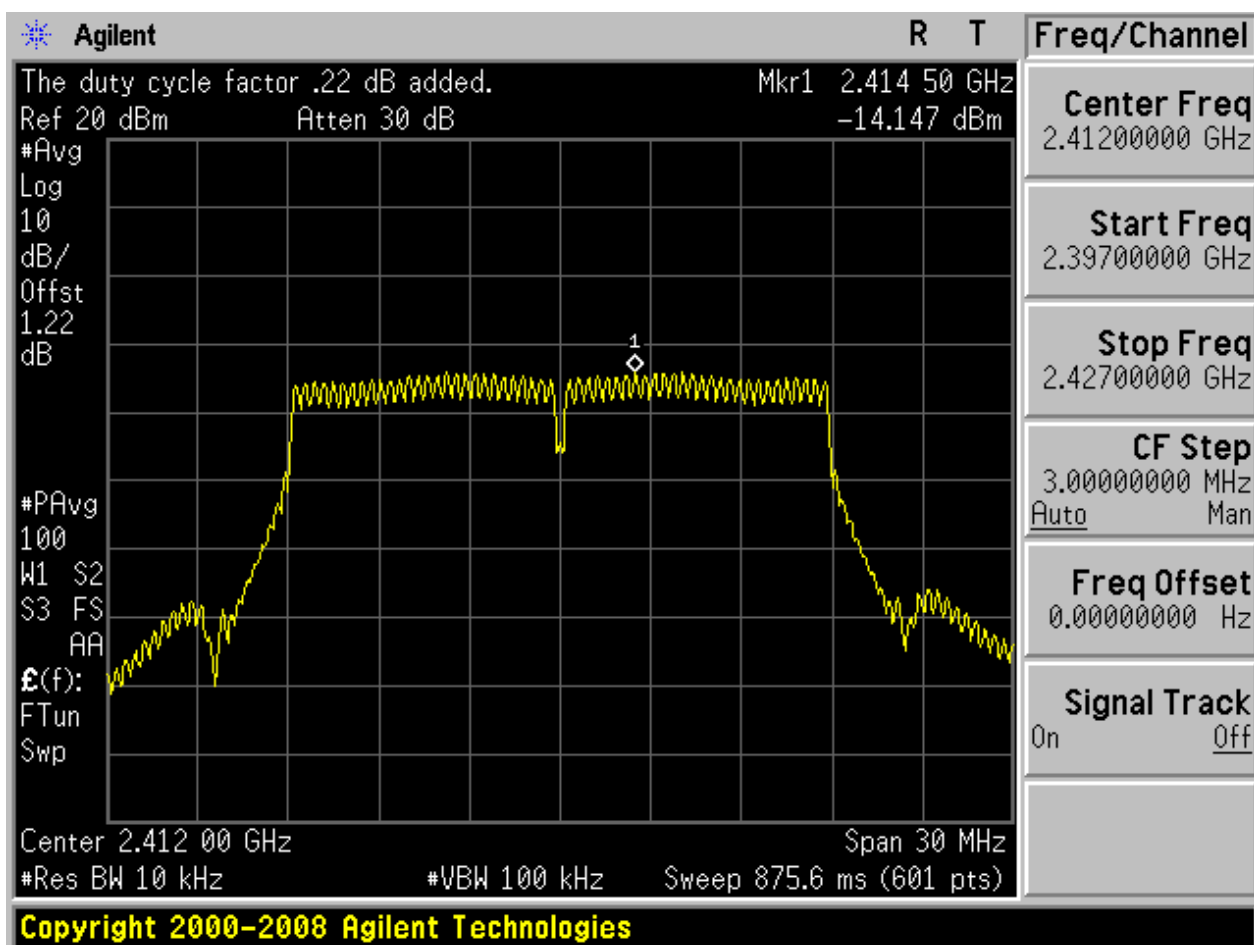


2.13 11N20_L@Ant 1



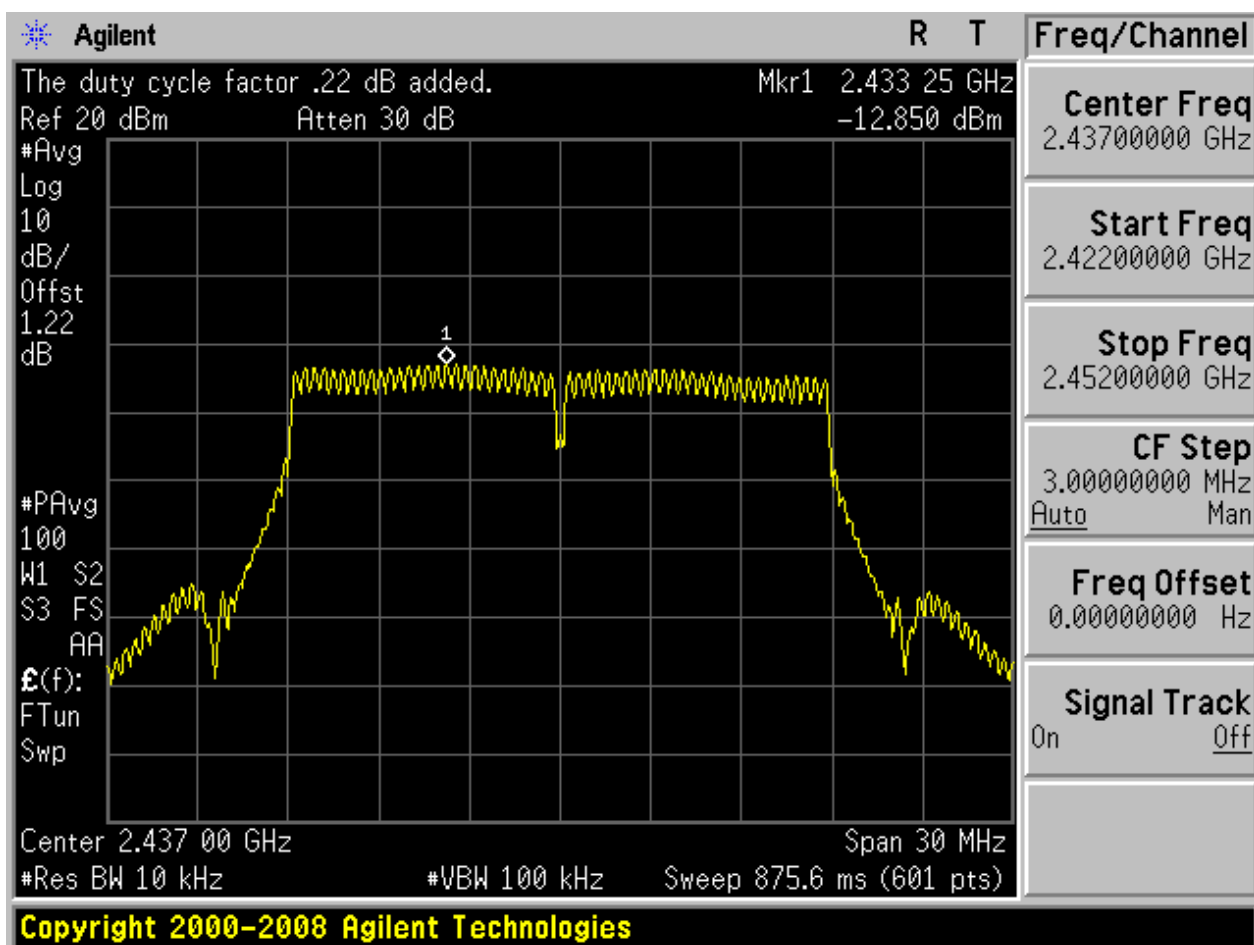


2.14 11N20_L@Ant 2



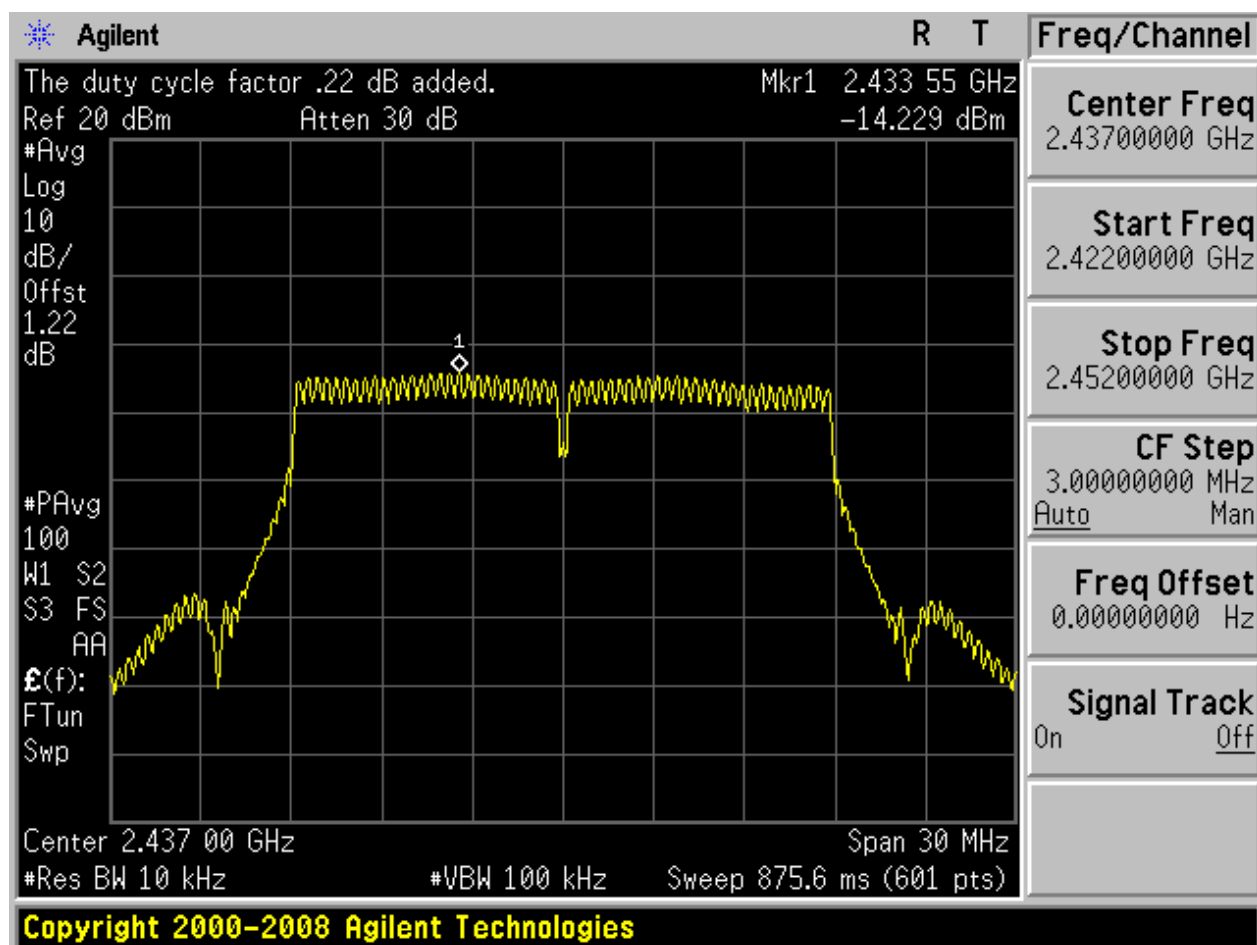


2.15 11N20_M@Ant 1

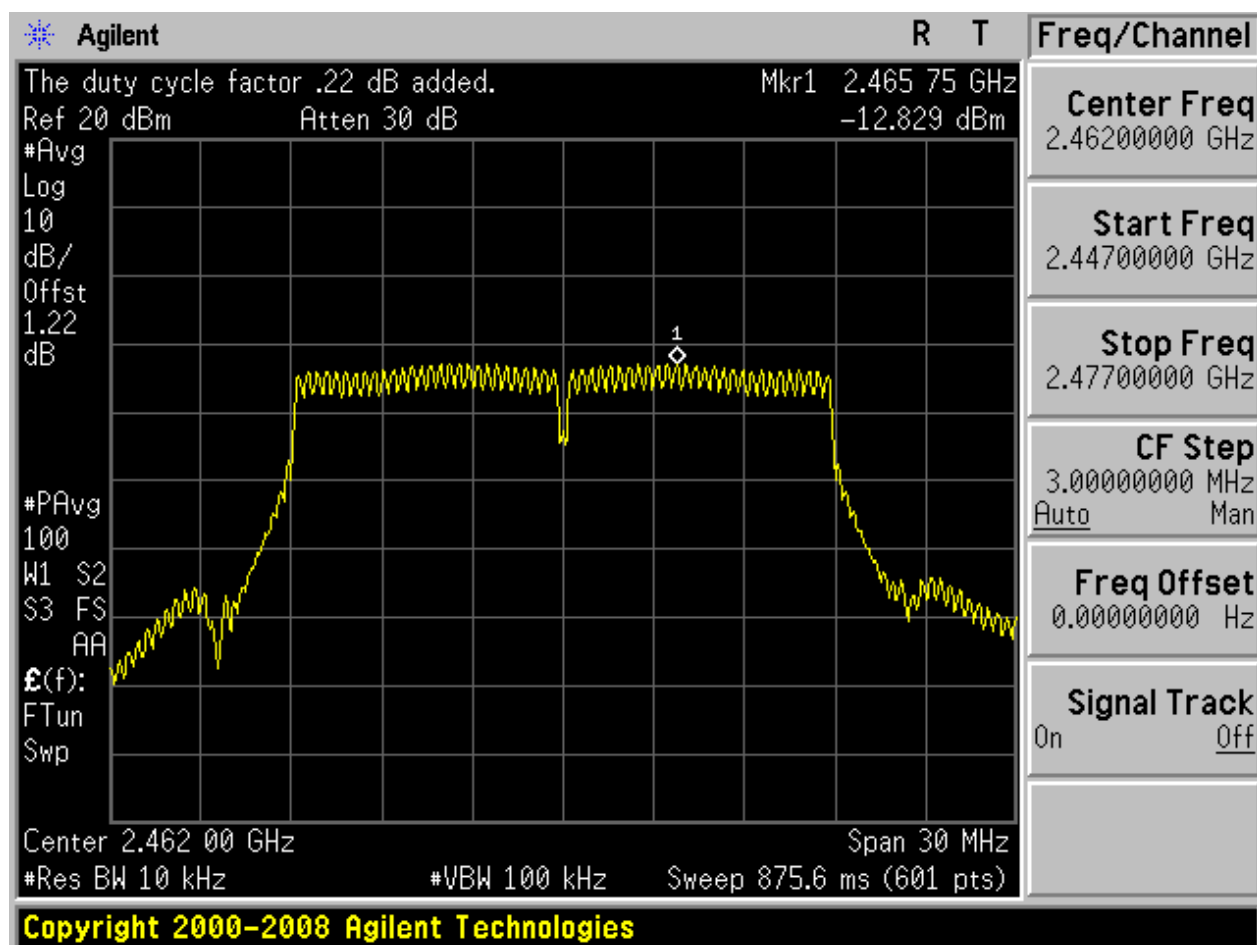




2.16 11N20_M@Ant 2

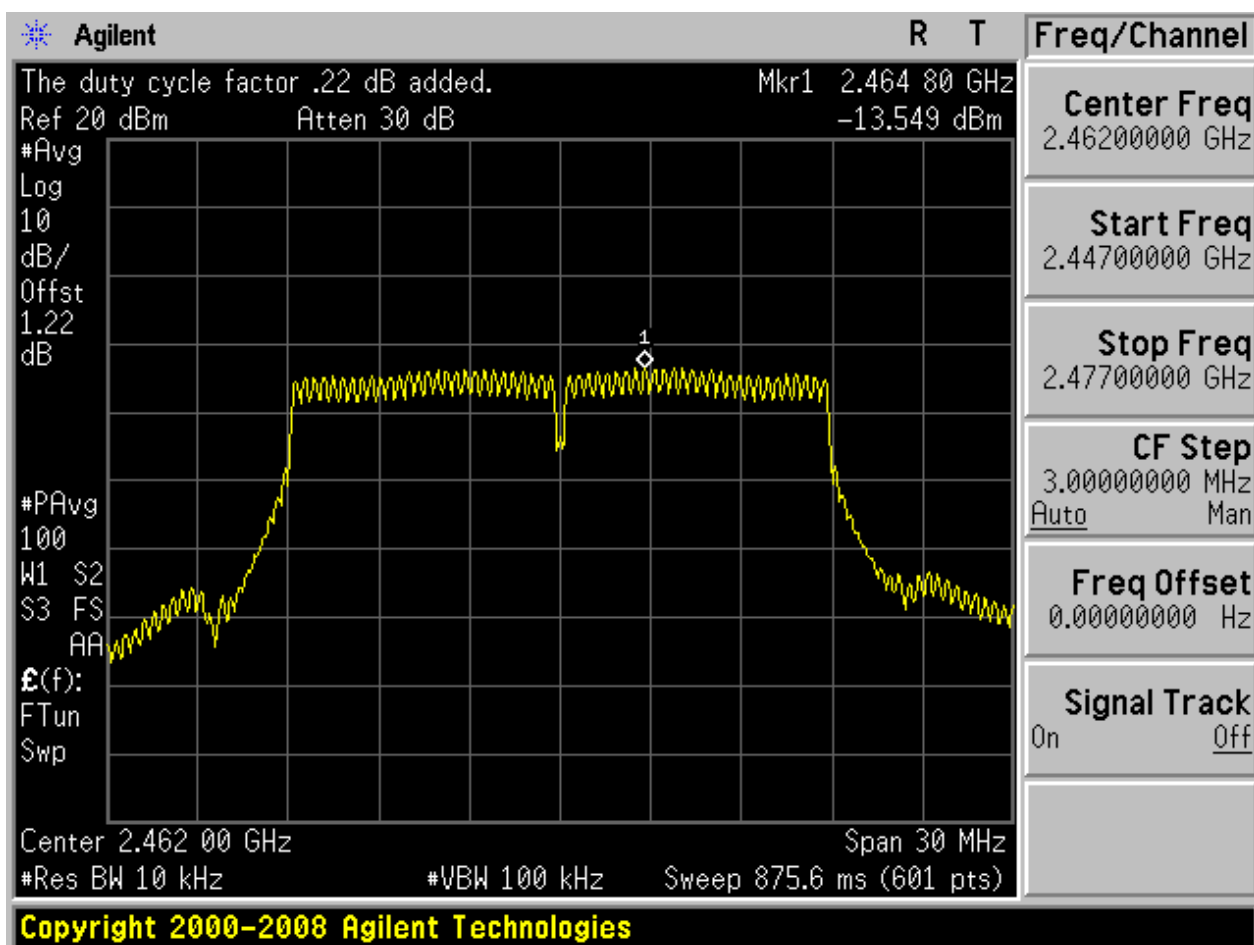


2.17 11N20_H@Ant 1



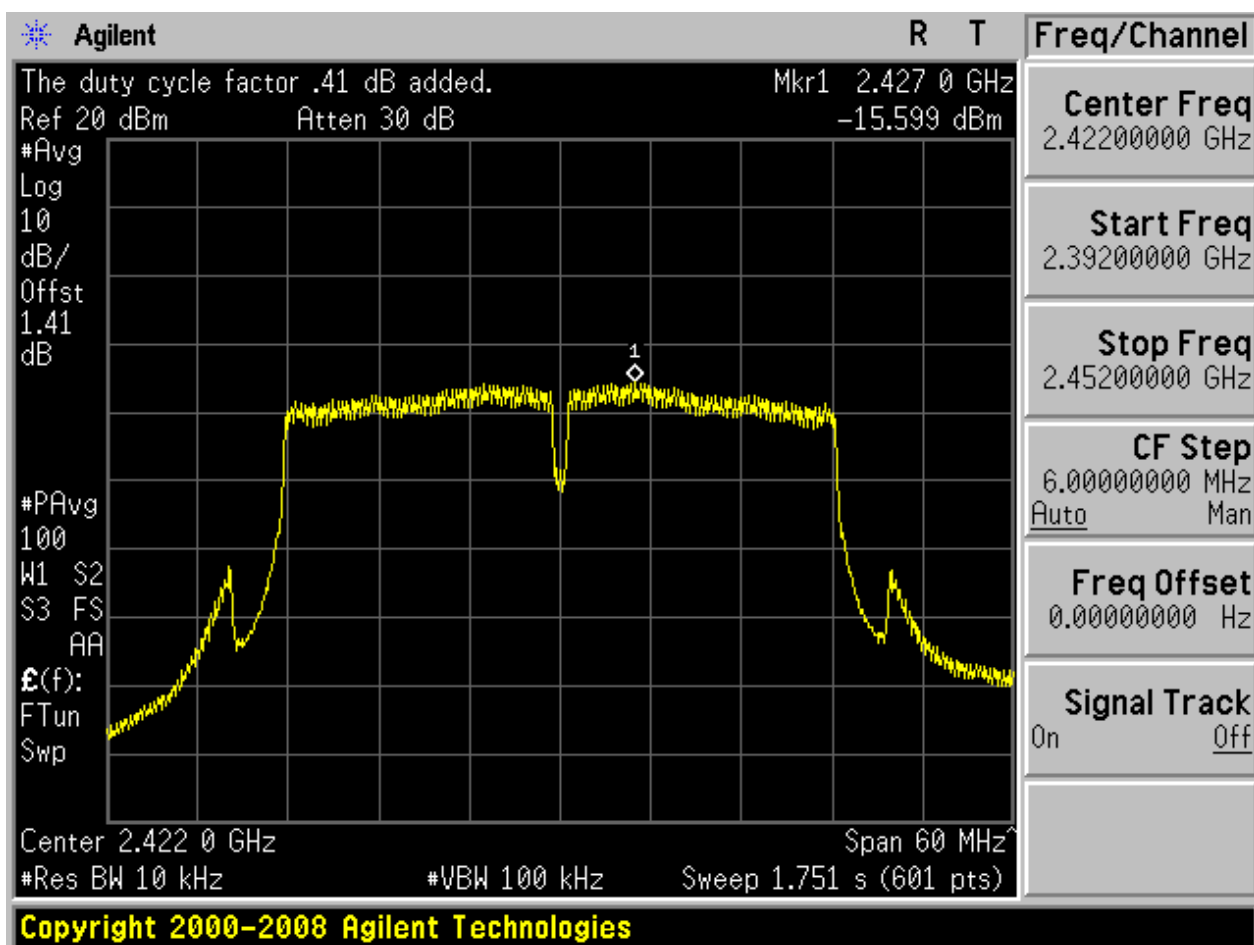


2.18 11N20_H@Ant 2



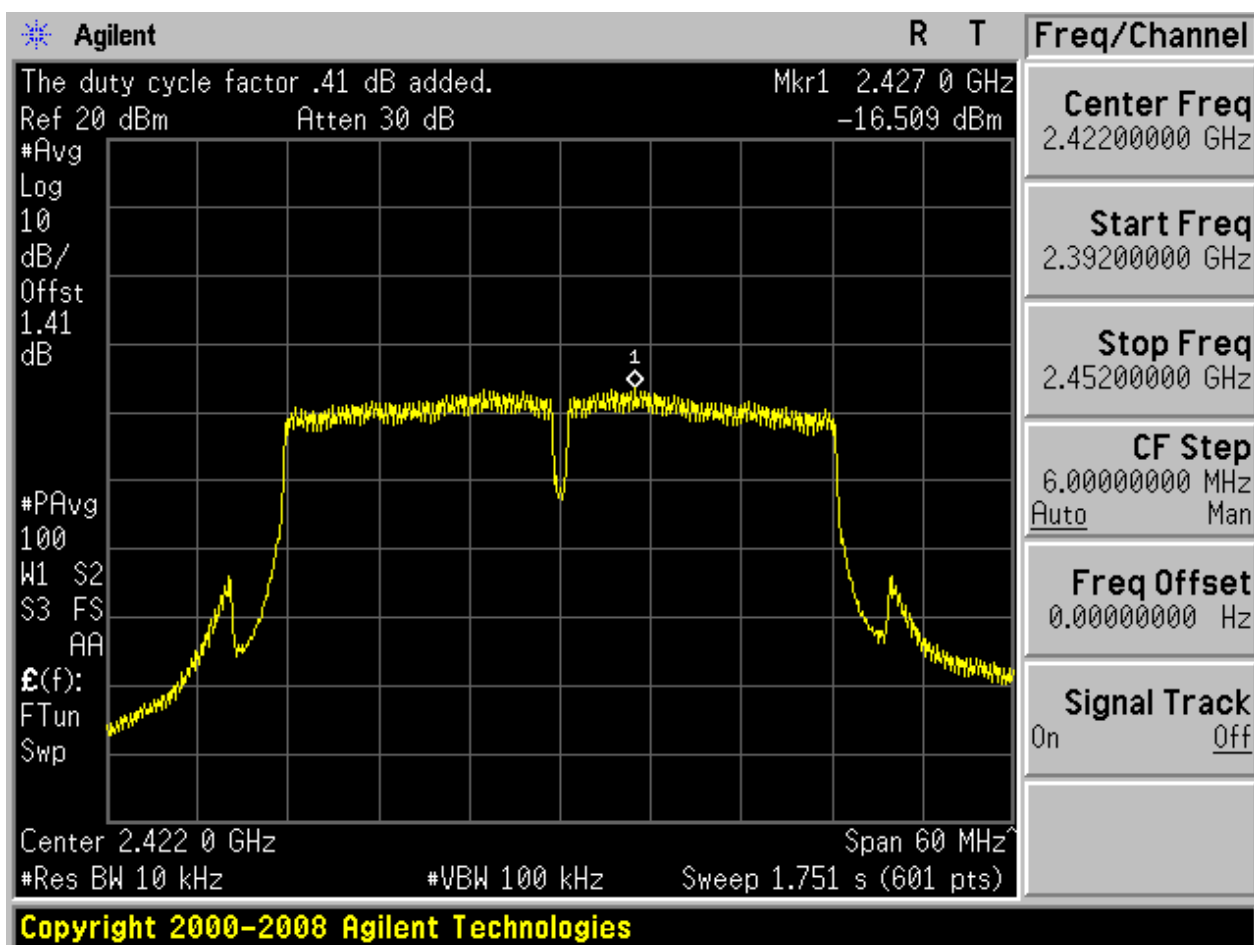


2.19 11N40_L@Ant 1

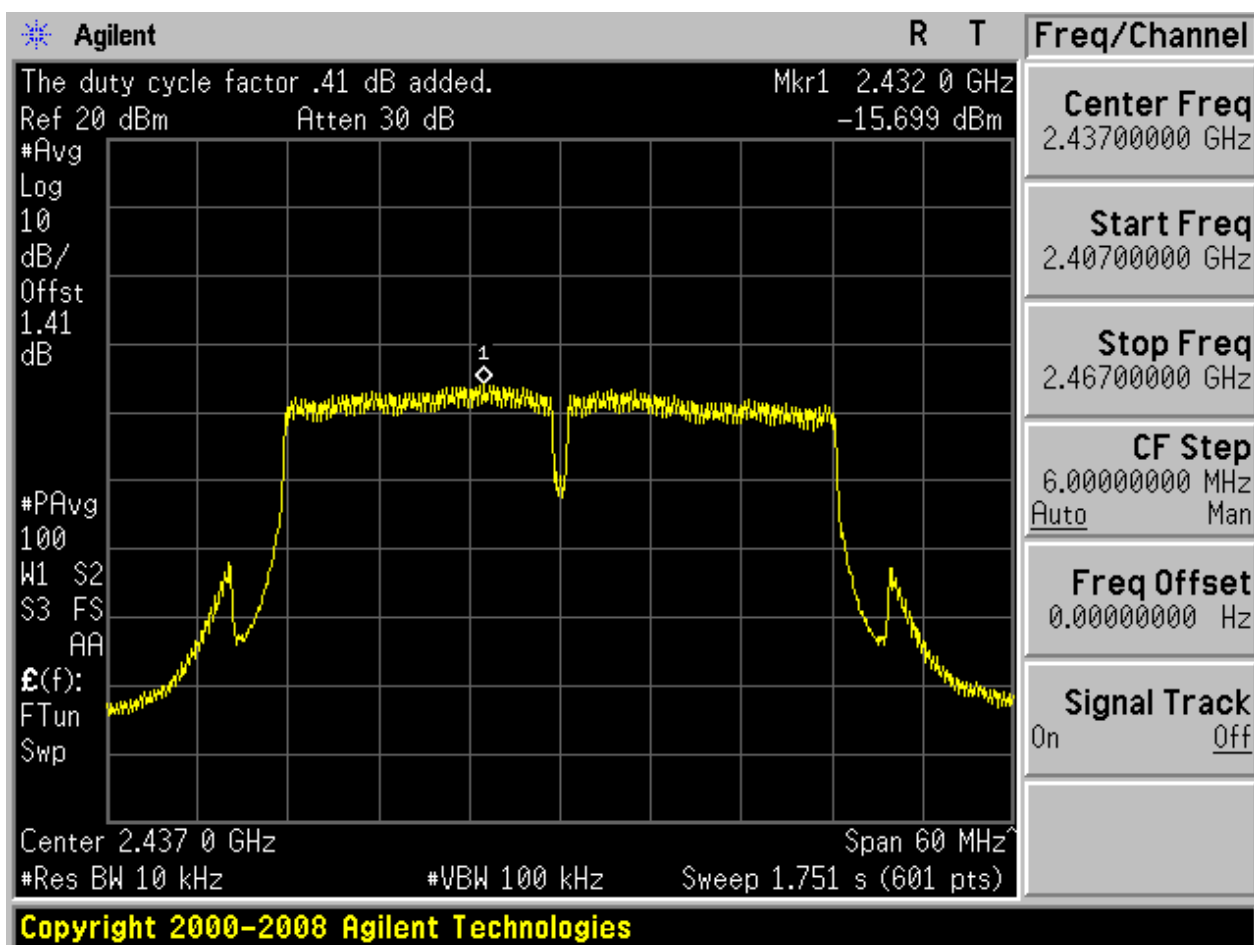




2.20 11N40_L@Ant 2

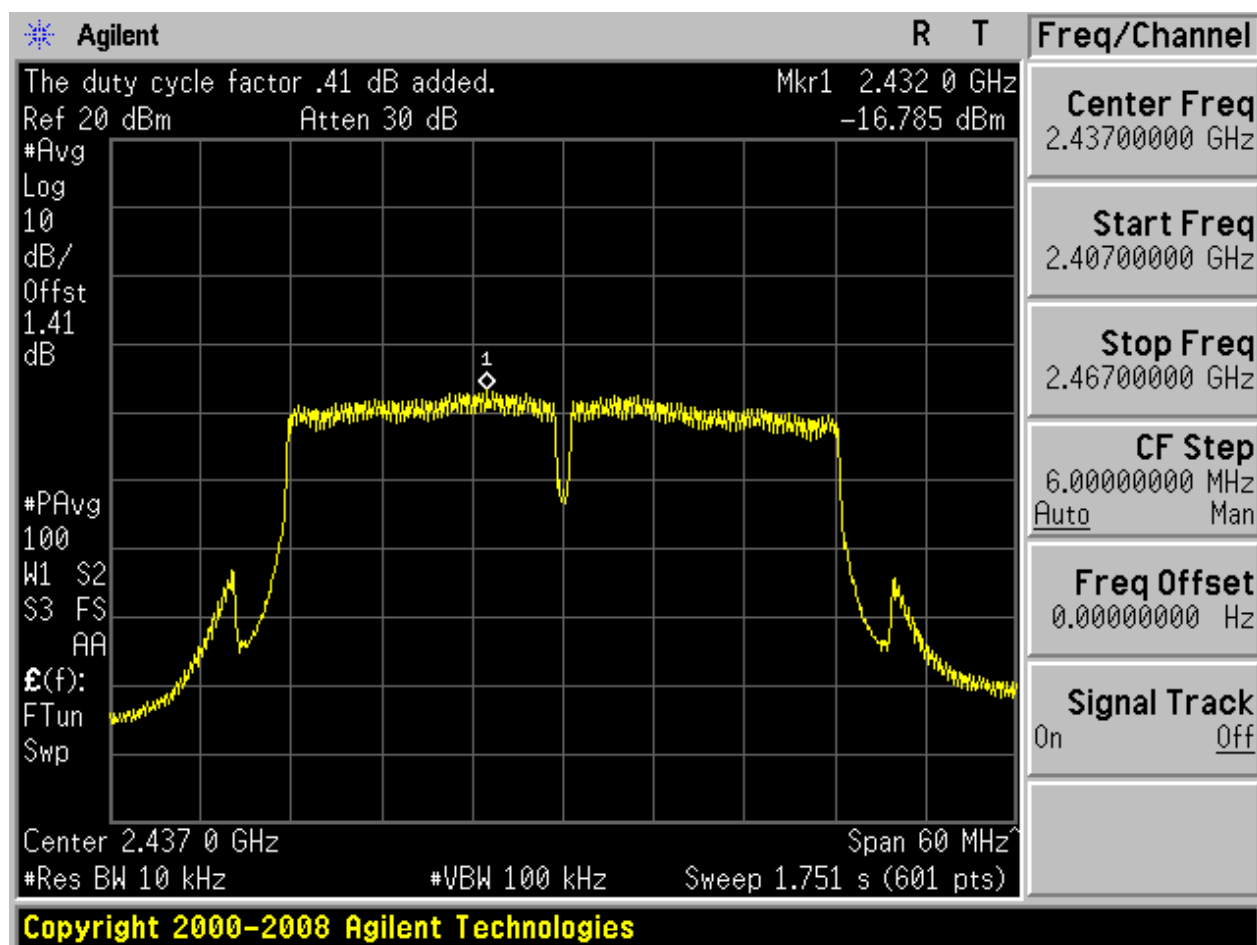


2.21 11N40_M@Ant 1



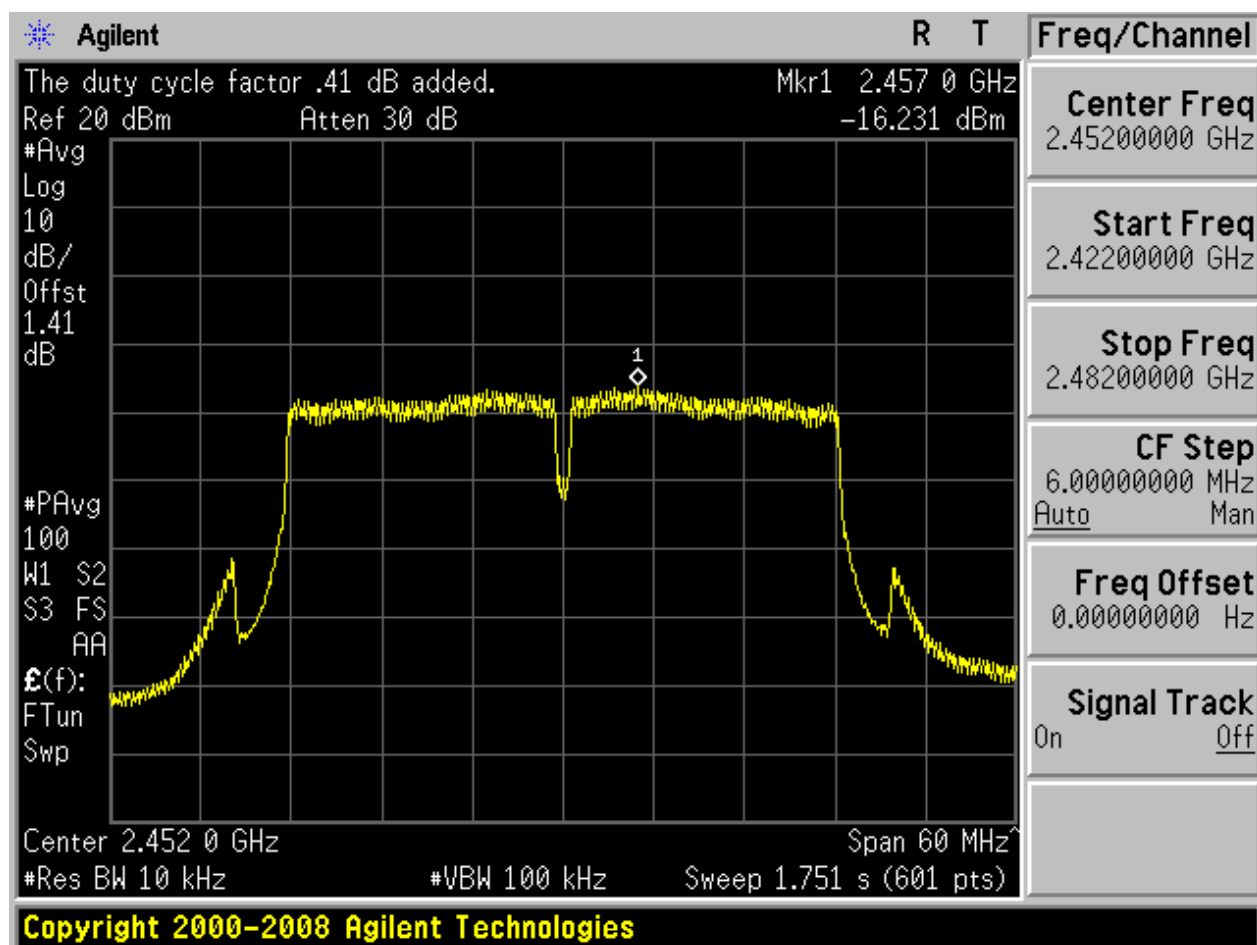


2.22 11N40_M@Ant 2



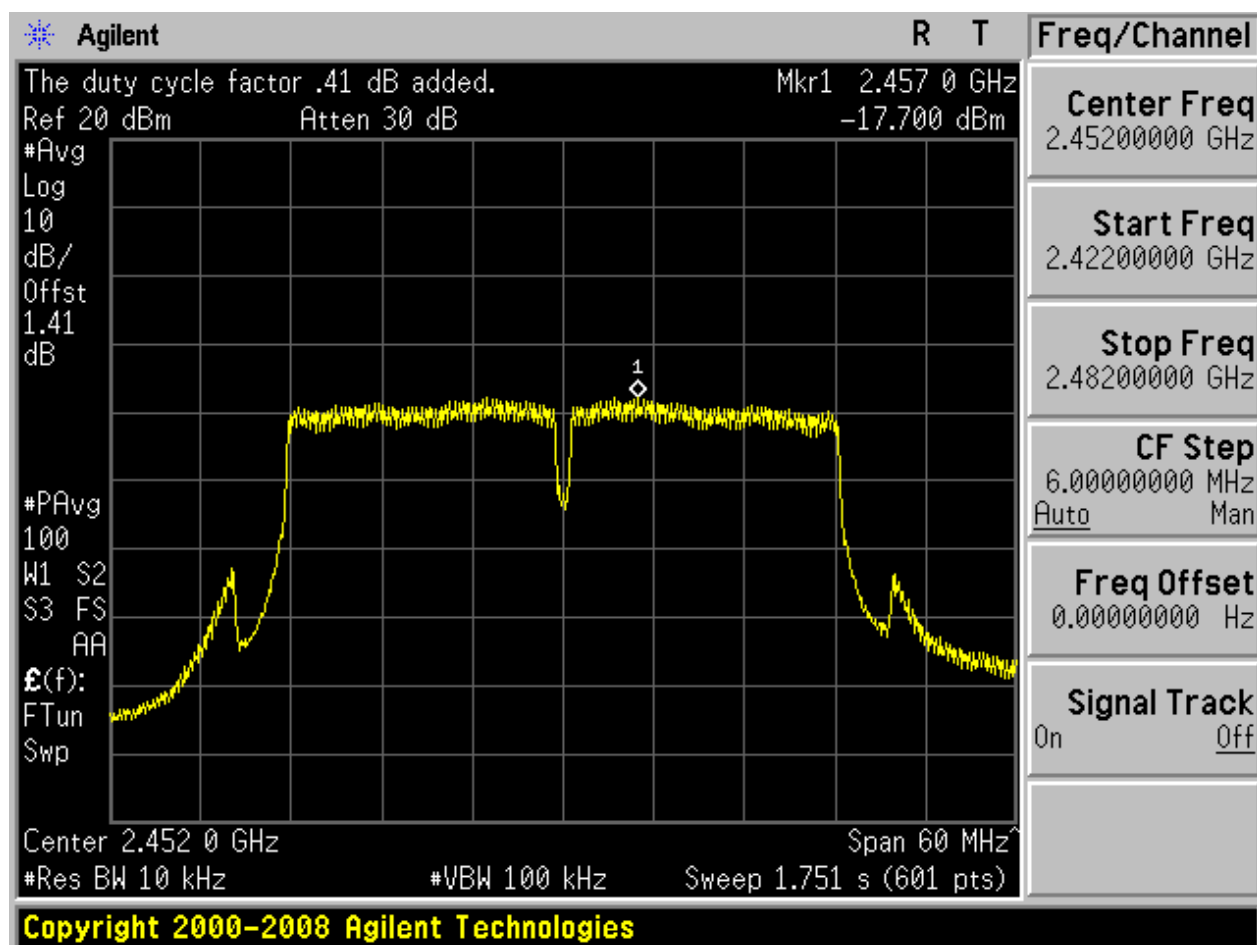


2.23 11N40_H@Ant 1



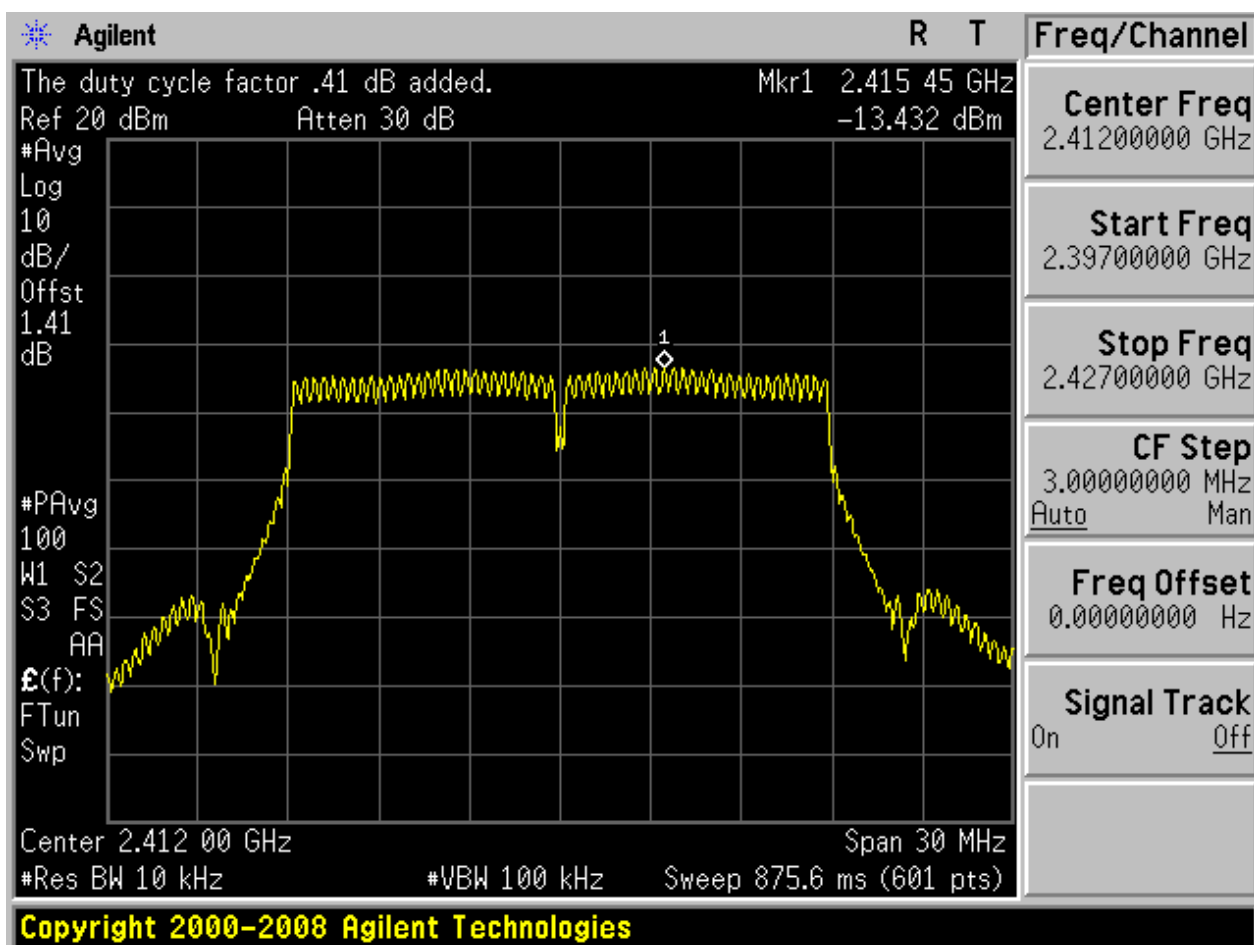


2.24 11N40_H@Ant 2



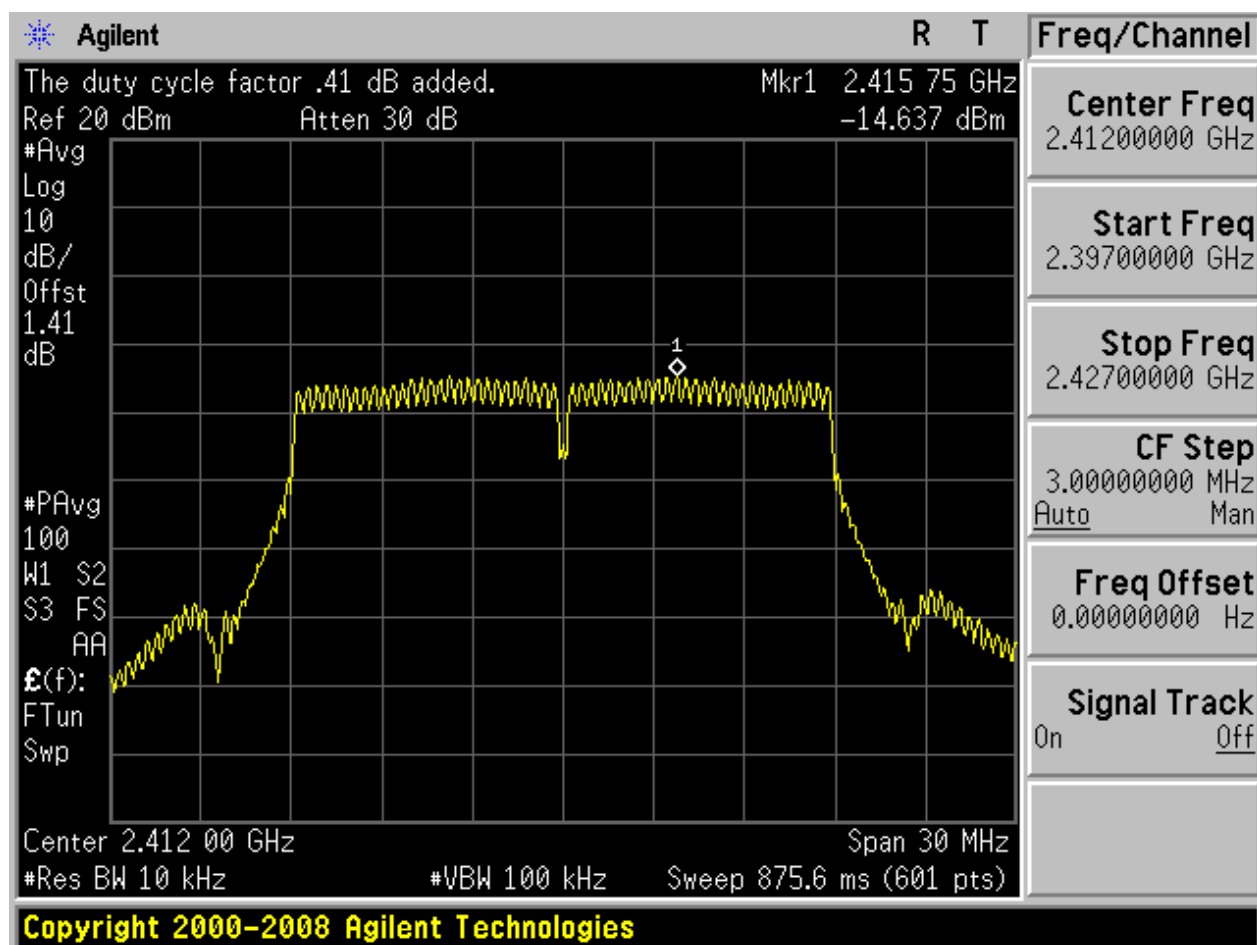


2.25 11N20m_L@Ant 1



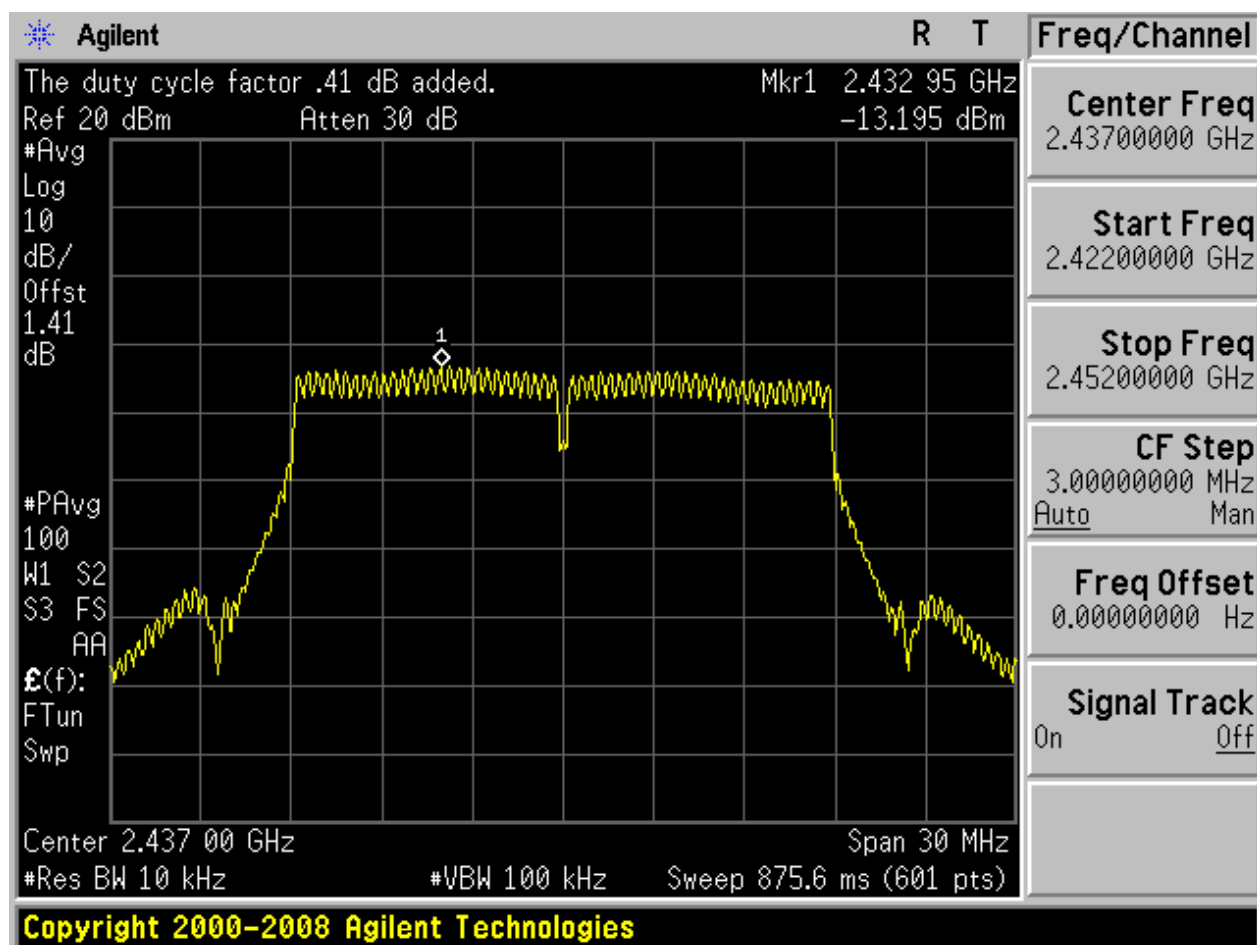


2.26 11N20m_L@Ant 2



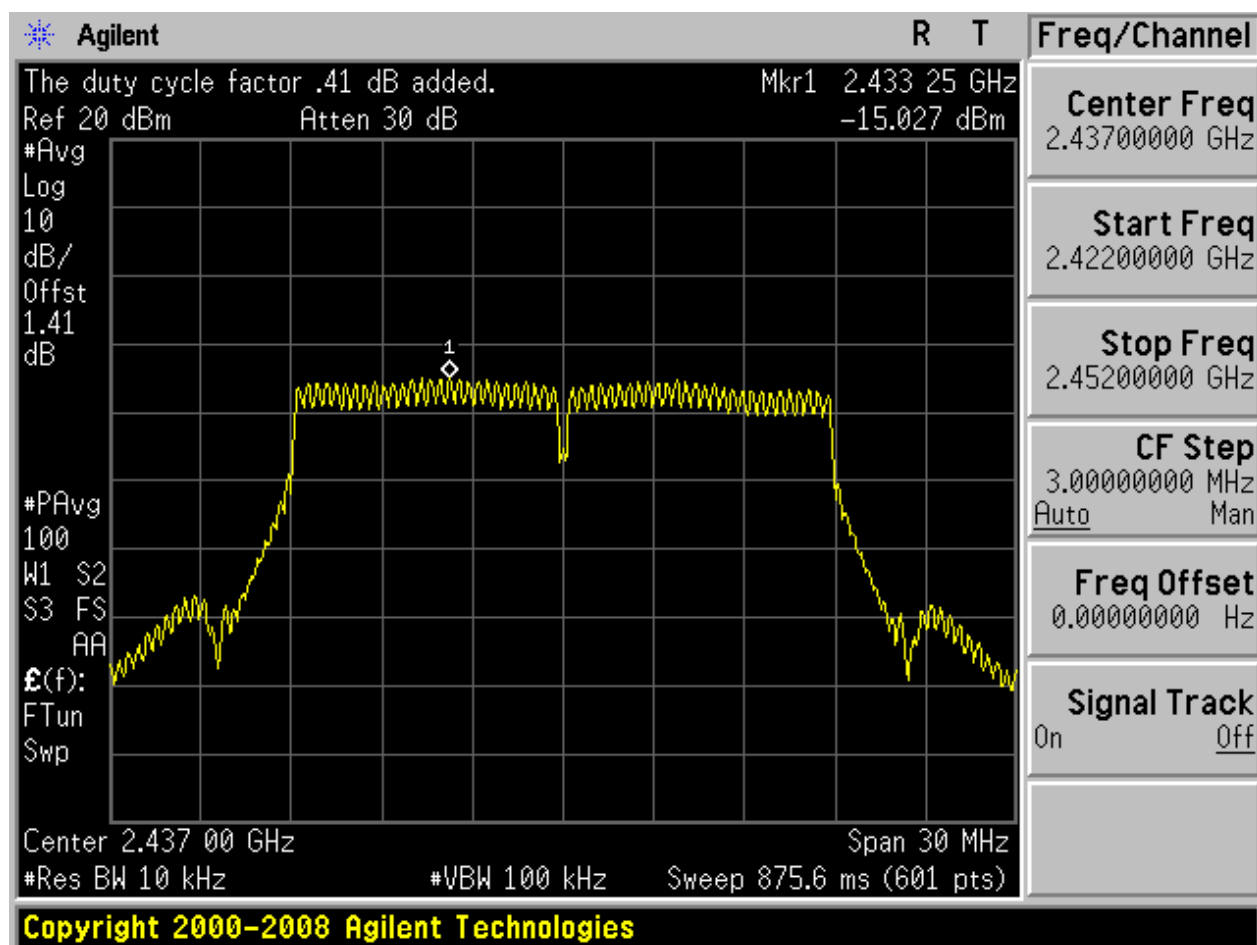


2.27 11N20m_M@Ant 1



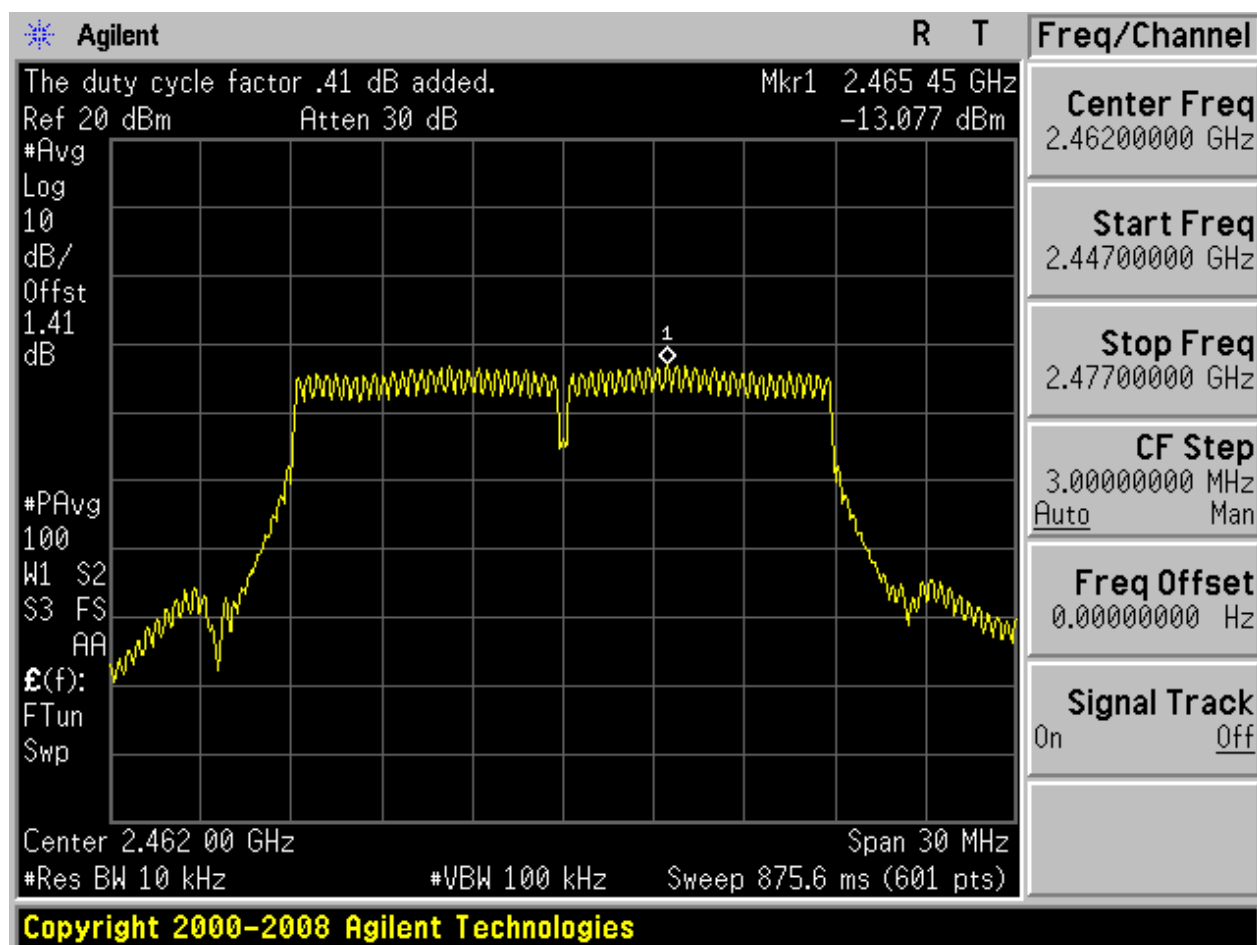


2.28 11N20m_M@Ant 2



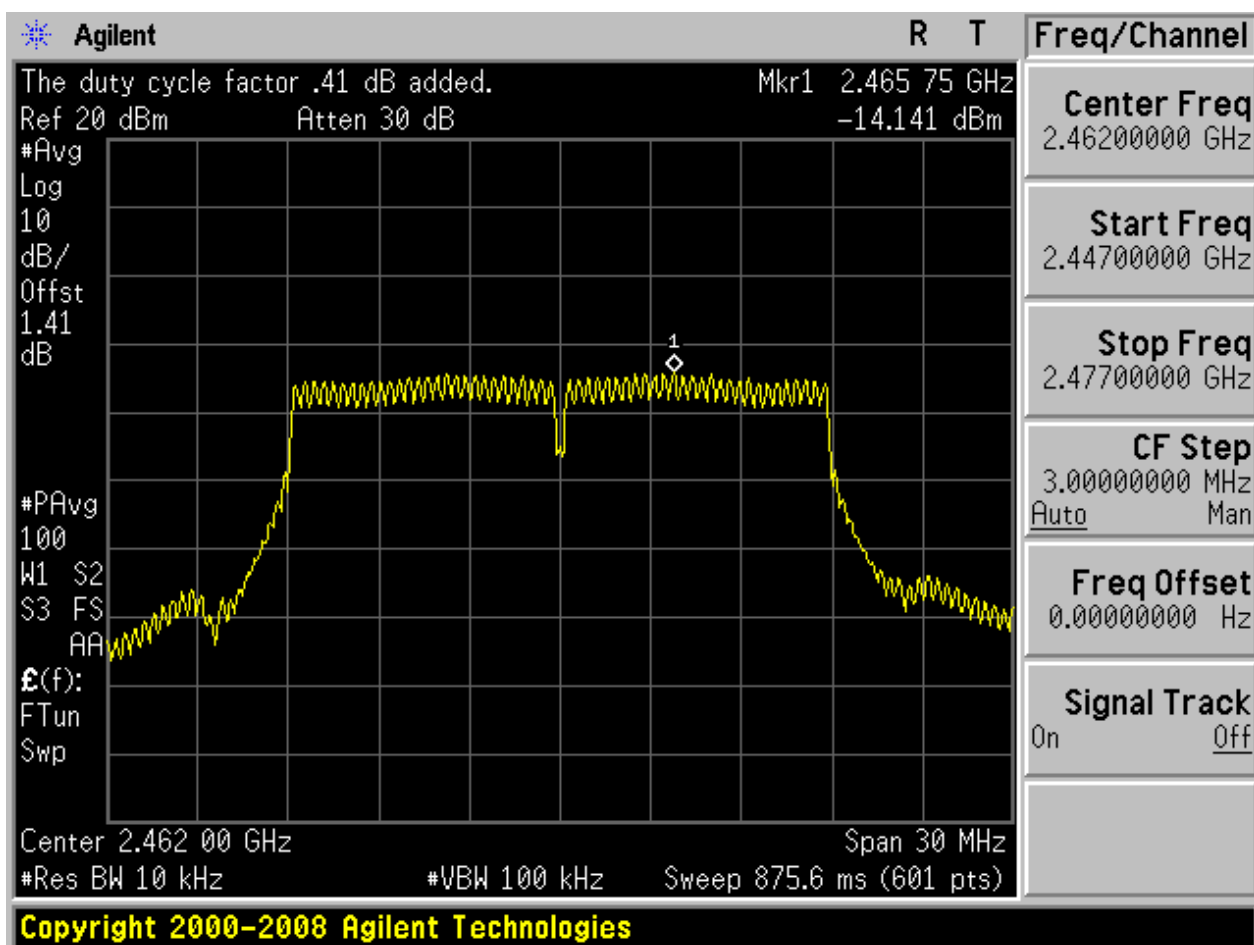


2.29 11N20m_H@Ant 1

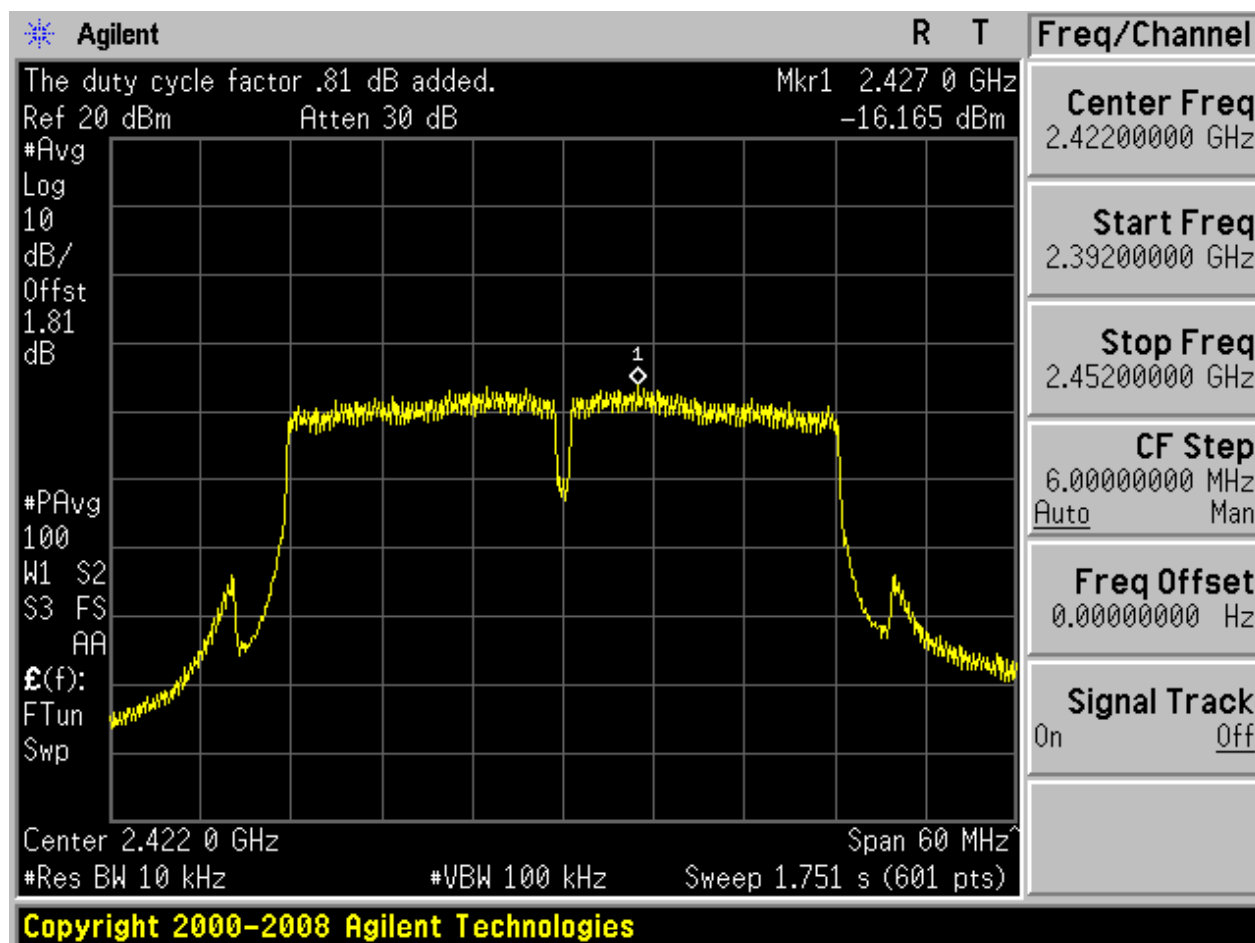




2.30 11N20m_H@Ant 2

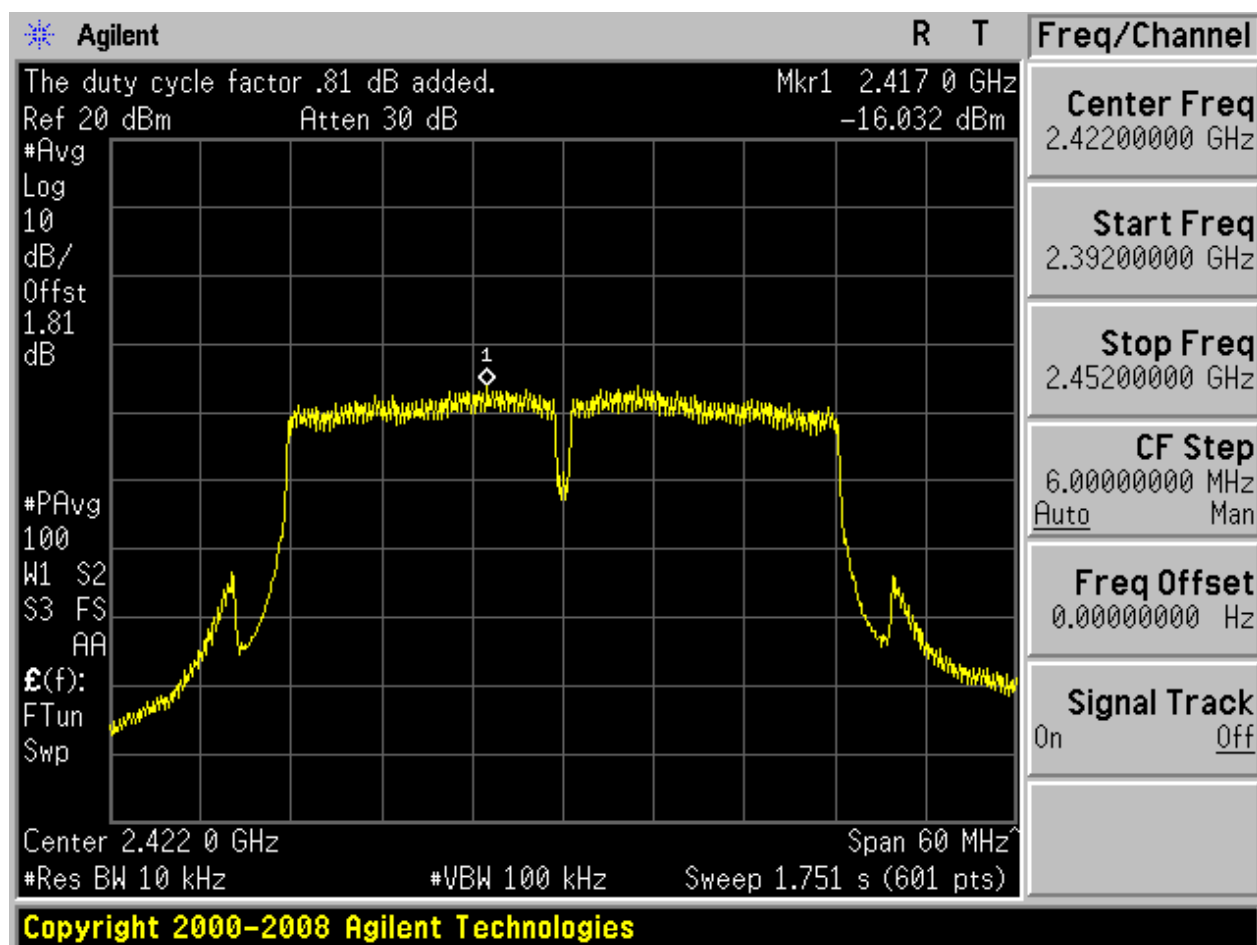


2.32 11N40m_L@Ant 2



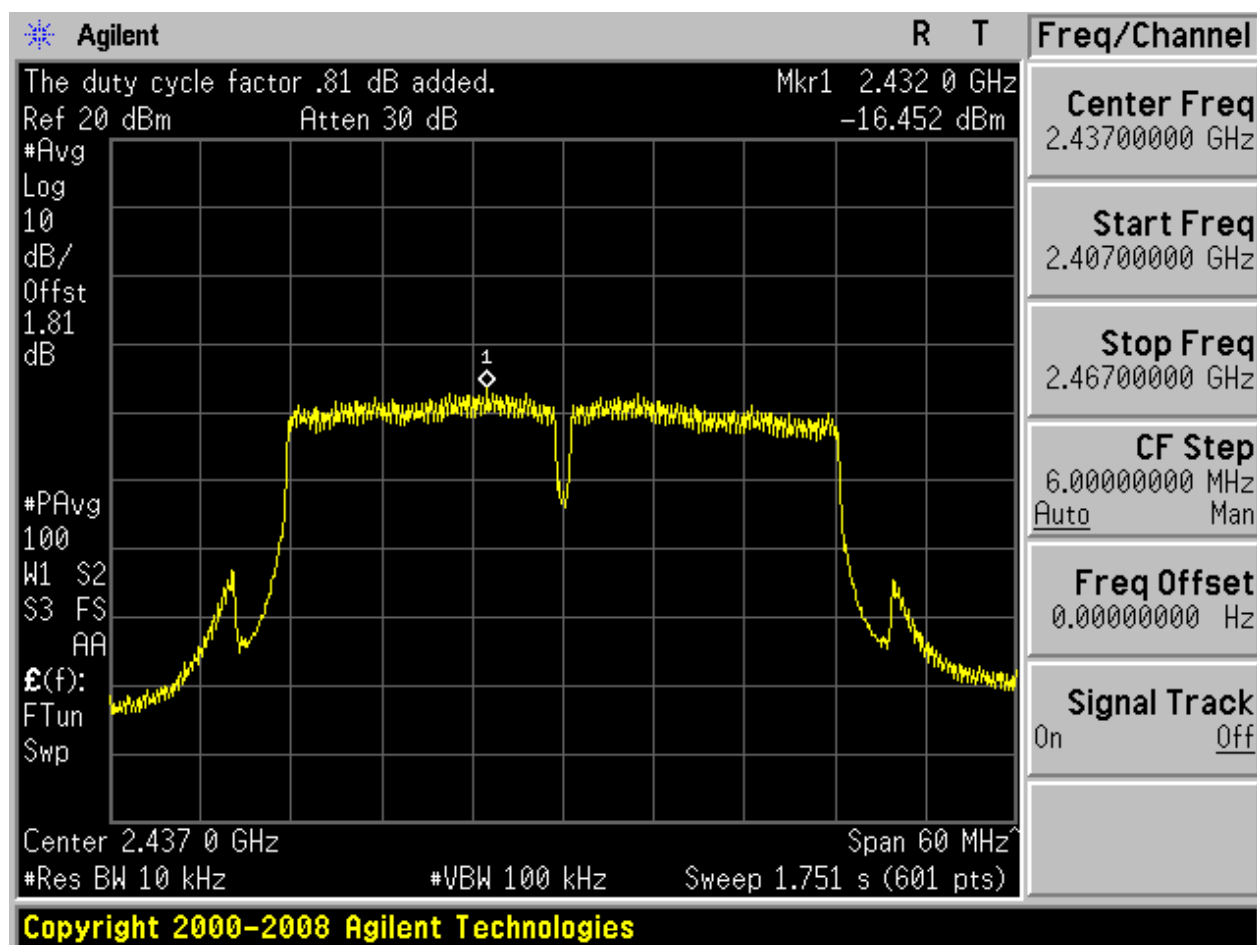


2.31 11N40m_L@Ant 1

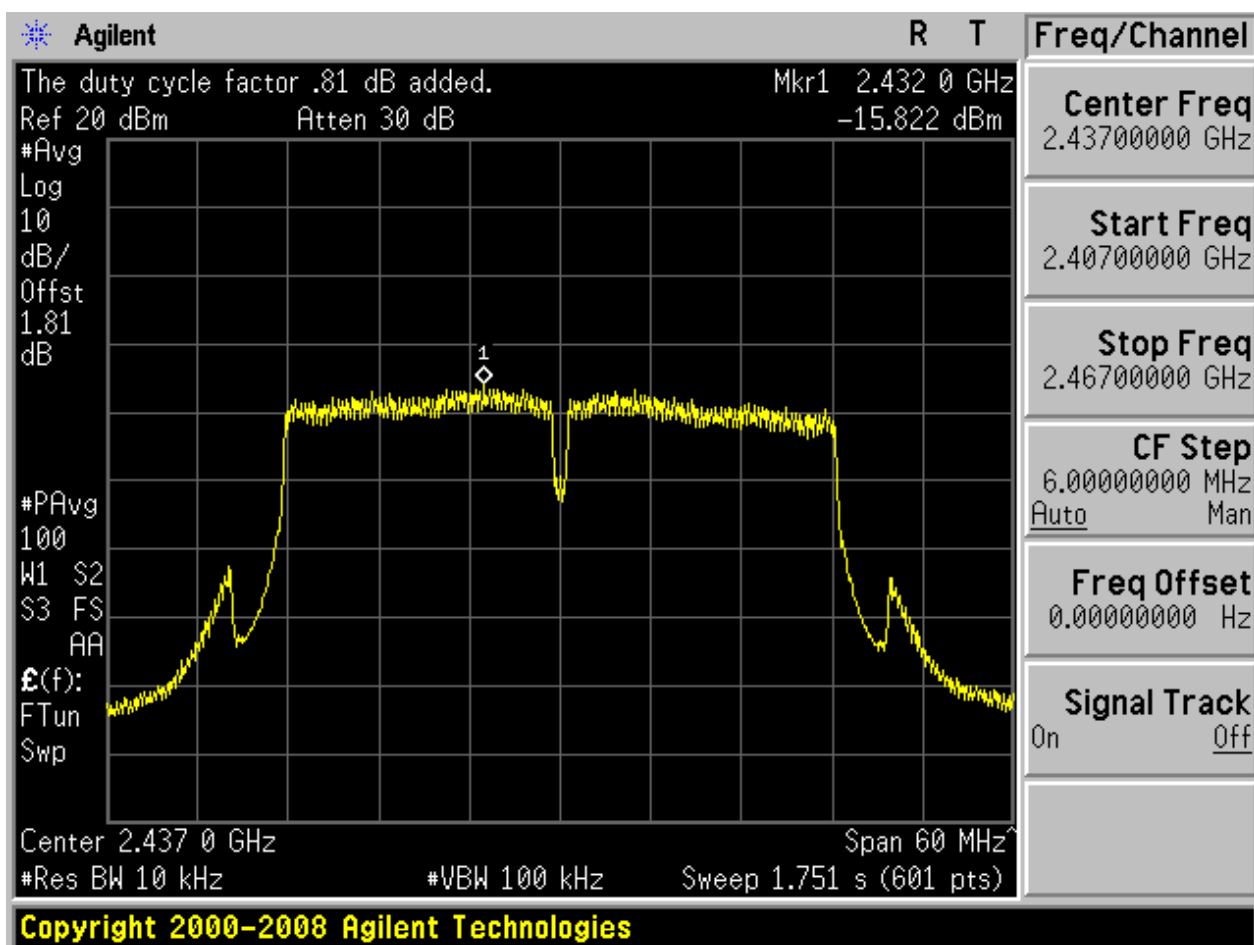




2.34 11N40m_M@Ant 2

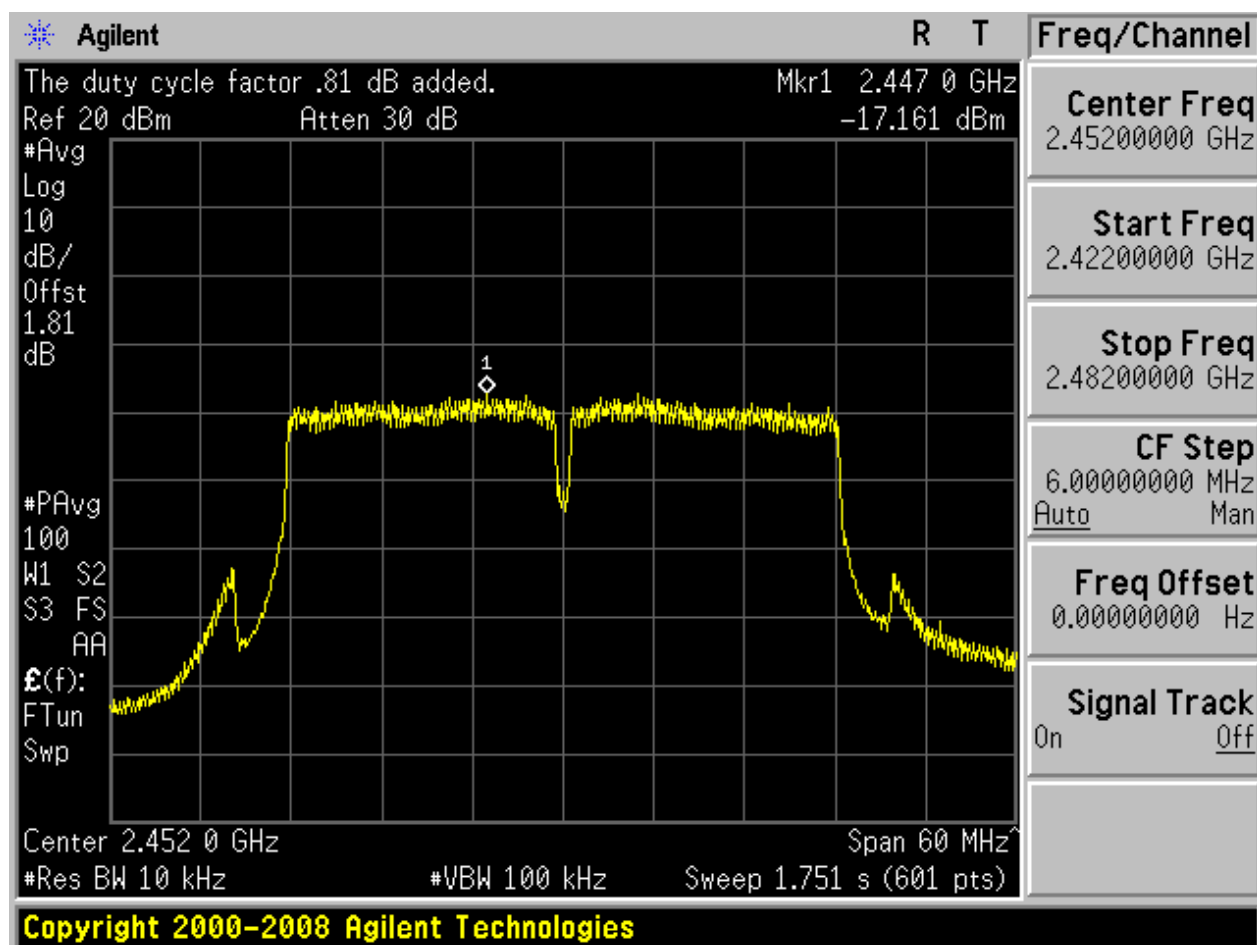


2.33 11N40m_M@Ant 1



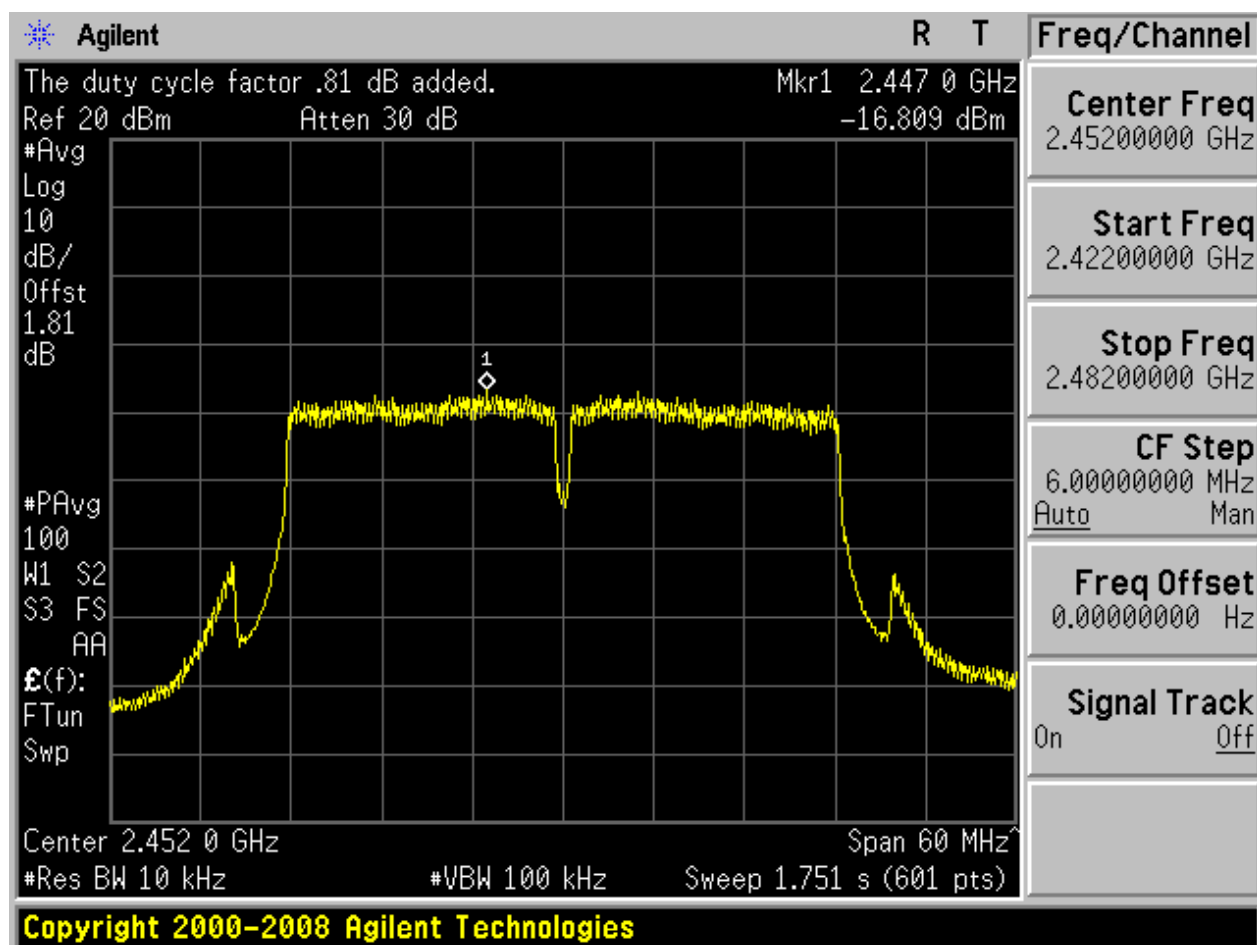


2.36 11N40m_H@Ant 2





2.35 11N40m_H@Ant 1



Appendix E: Band Edges Compliance

Part I - Test Results

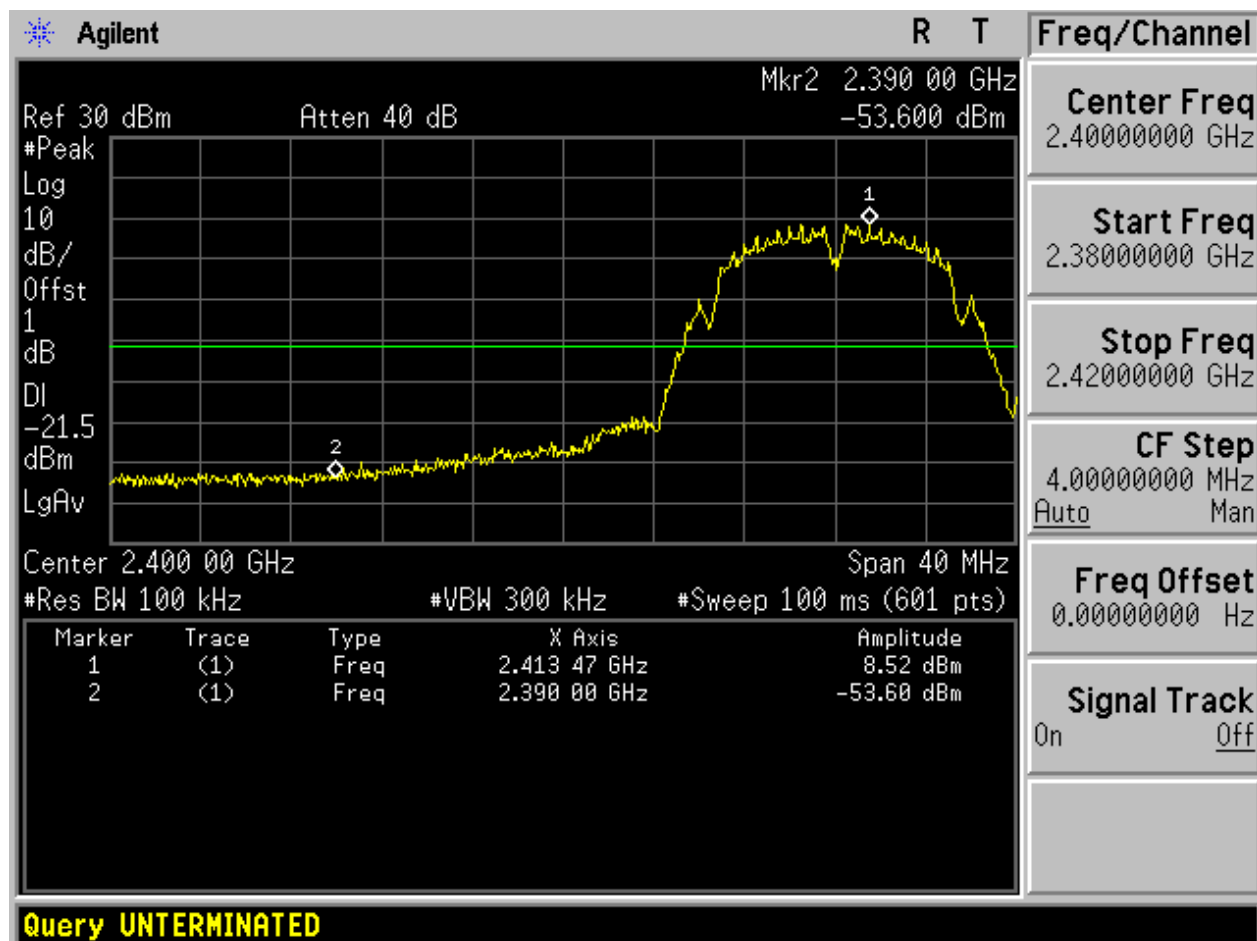
Test Mode	Test Channel	Frequency[MHz]	Ant	Carrier Power[dBm]	Max.Spurious Level[dBm]	Verdict
11B	L	2412	Ant 1	8.52	-53.60	pass
11B	L	2412	Ant 2	7.62	-54.40	pass
11B	H	2462	Ant 1	8.73	-50.98	pass
11B	H	2462	Ant 2	8.14	-45.37	pass
11G	L	2412	Ant 2	3.71	-52.25	pass
11G	L	2412	Ant 1	4.78	-51.94	pass
11G	H	2462	Ant 2	4.69	-40.53	pass
11G	H	2462	Ant 1	5.34	-40.78	pass
11N20	L	2412	Ant 1	5.02	-52.11	pass
11N20	L	2412	Ant 2	3.84	-52.50	pass
11N20	H	2462	Ant 1	5.49	-40.59	pass
11N20	H	2462	Ant 2	4.34	-37.64	pass
11N20m	L	2412	Ant 1	4.75	-50.89	pass
11N20m	L	2412	Ant 2	4.08	-50.11	pass
11N20m	H	2462	Ant 1	5.41	-43.12	pass
11N20m	H	2462	Ant 2	5.28	-40.14	pass
11N40	L	2422	Ant 1	3.01	-51.32	pass
11N40	L	2422	Ant 2	2.00	-49.41	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	Carrier Power[dBm]	Max.Spurious Level[dBm]	Verdict
11N40	H	2452	Ant 1	2.61	-39.27	pass
11N40	H	2452	Ant 2	0.72	-37.99	pass
11N40m	L	2422	Ant 2	3.10	-49.92	pass
11N40m	L	2422	Ant 1	2.18	-51.12	pass
11N40m	H	2452	Ant 2	1.61	-37.26	pass
11N40m	H	2452	Ant 1	1.45	-40.58	pass



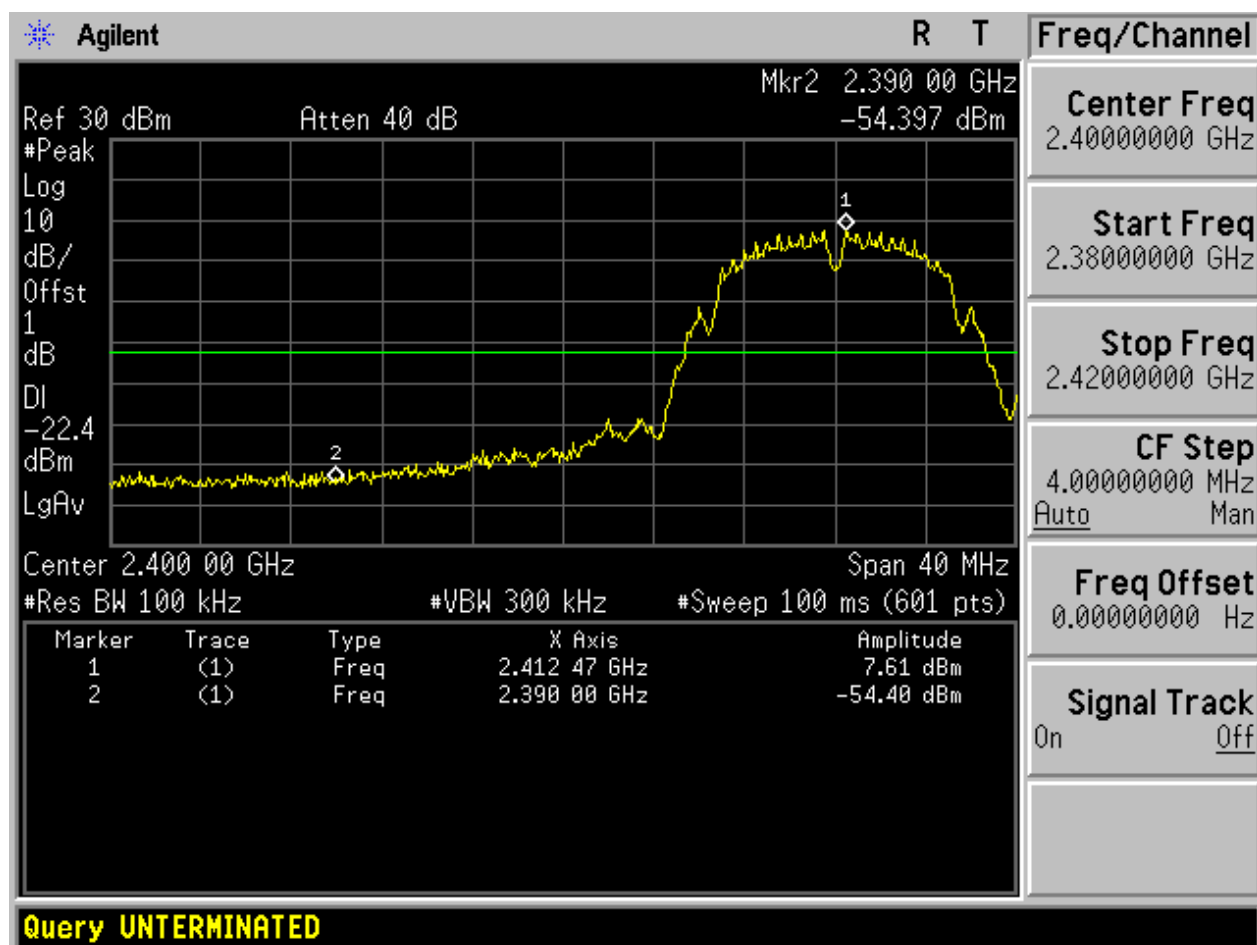
Part II - Test Plots

2.1 11B_L@Ant 1

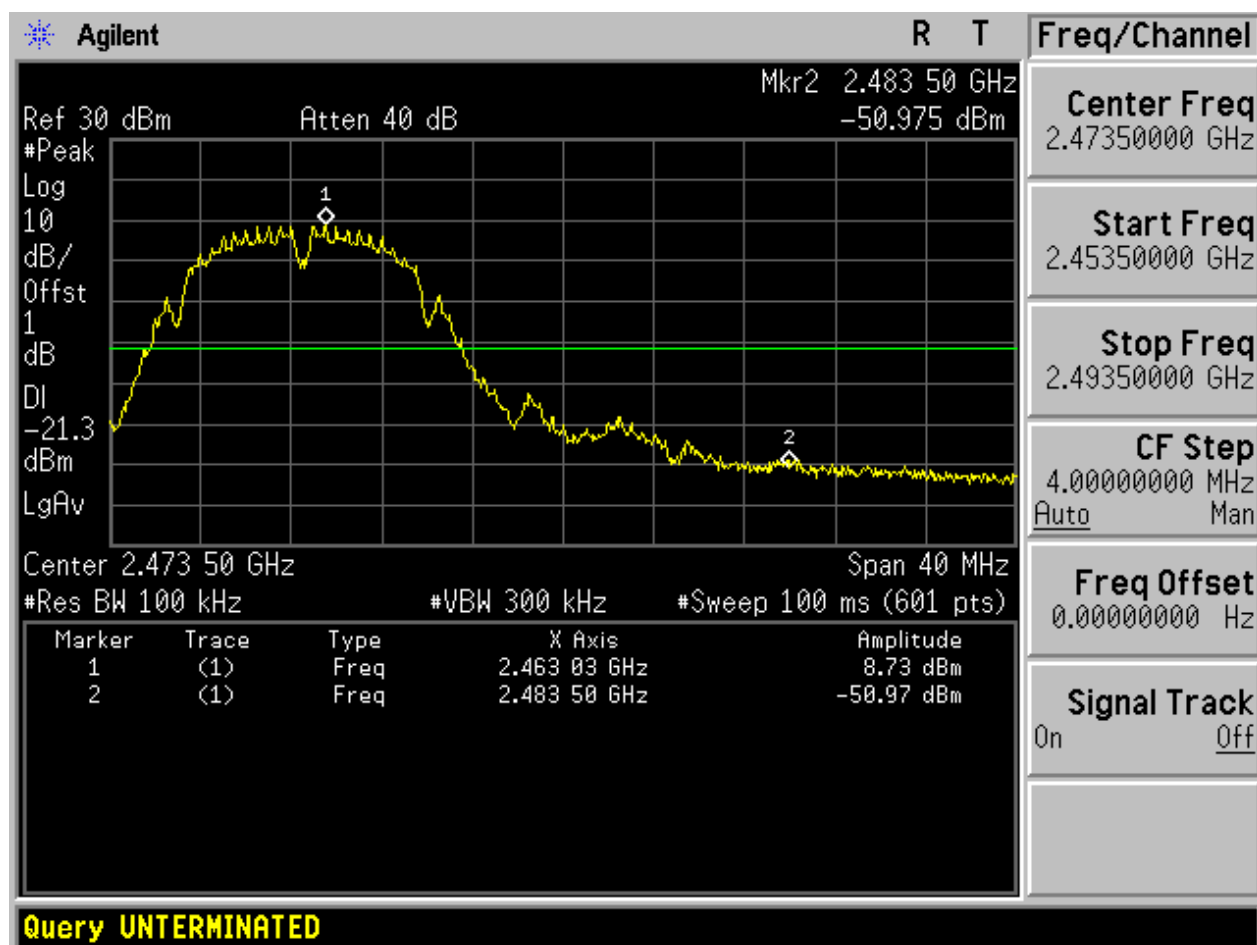




2.2 11B_L@Ant 2

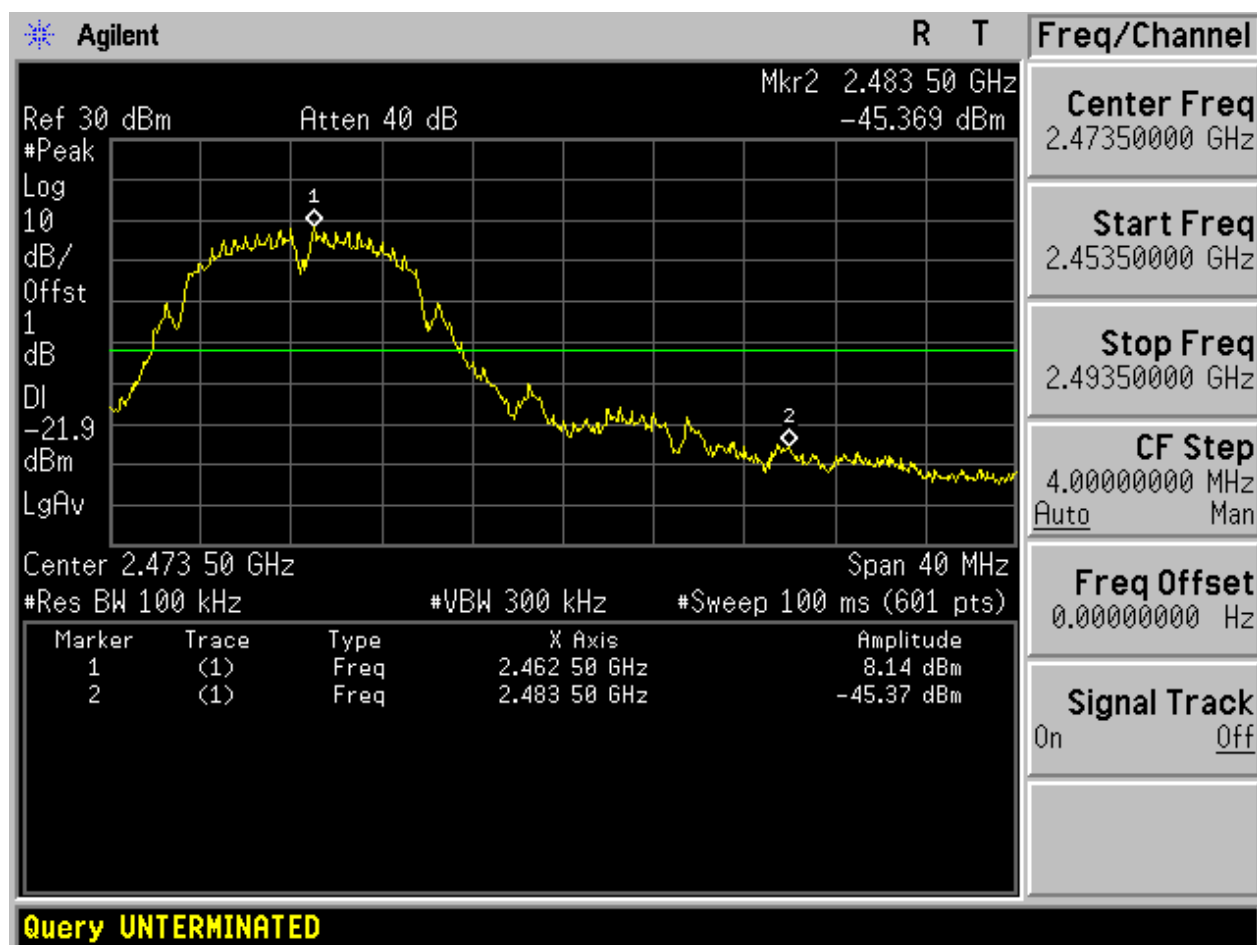


2.3 11B_H@Ant 1

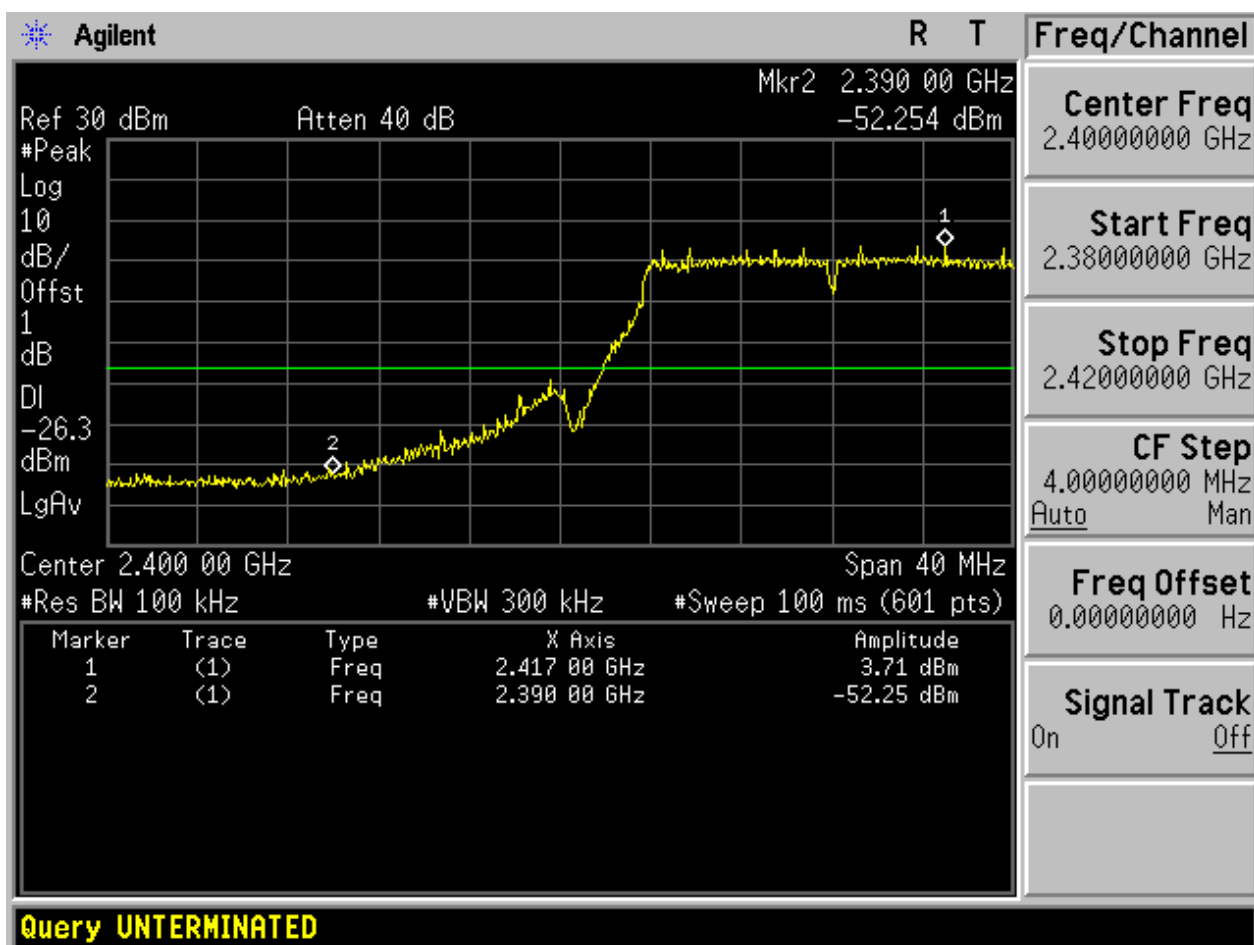




2.4 11B_H@Ant 2

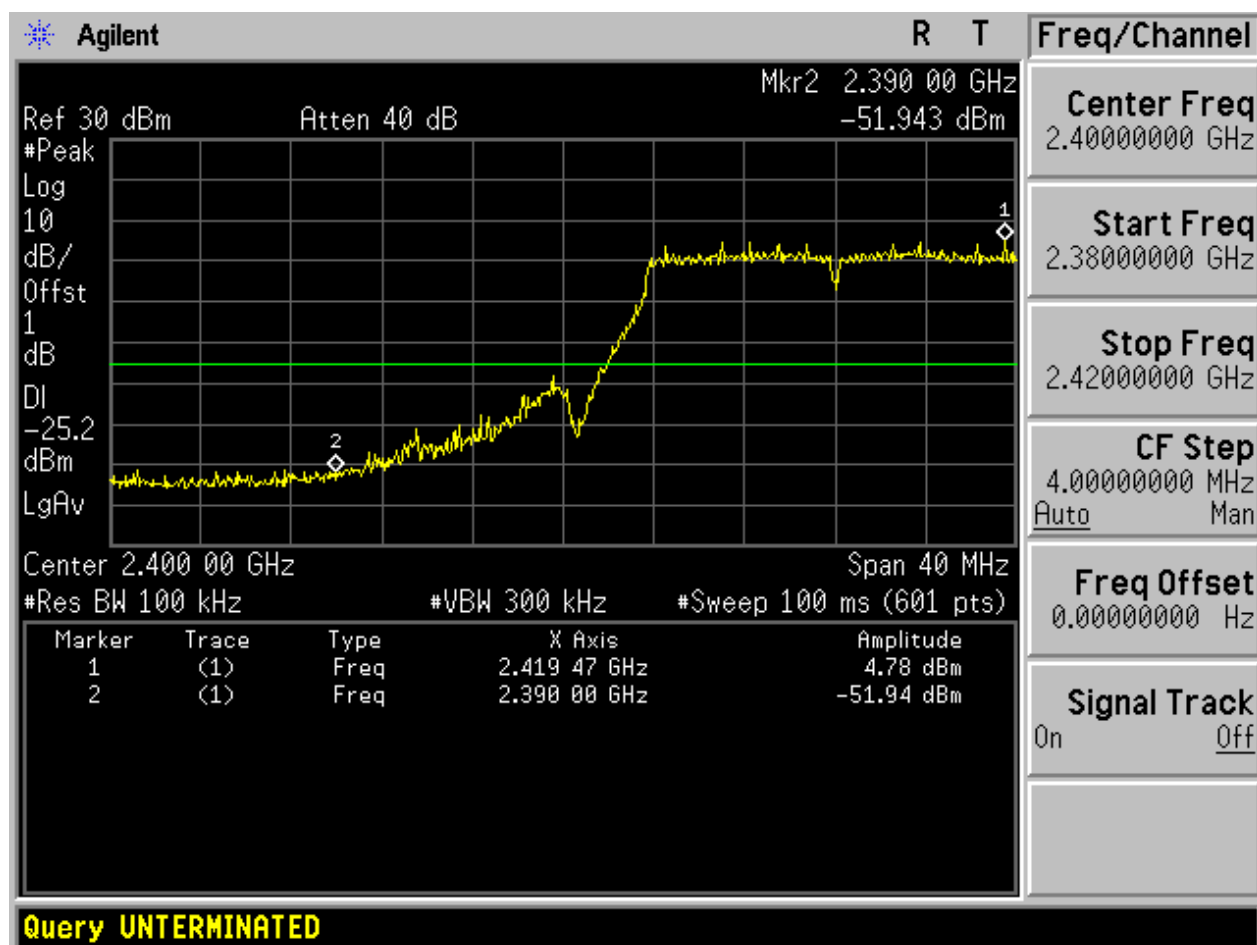


2.6 11G_L@Ant 2



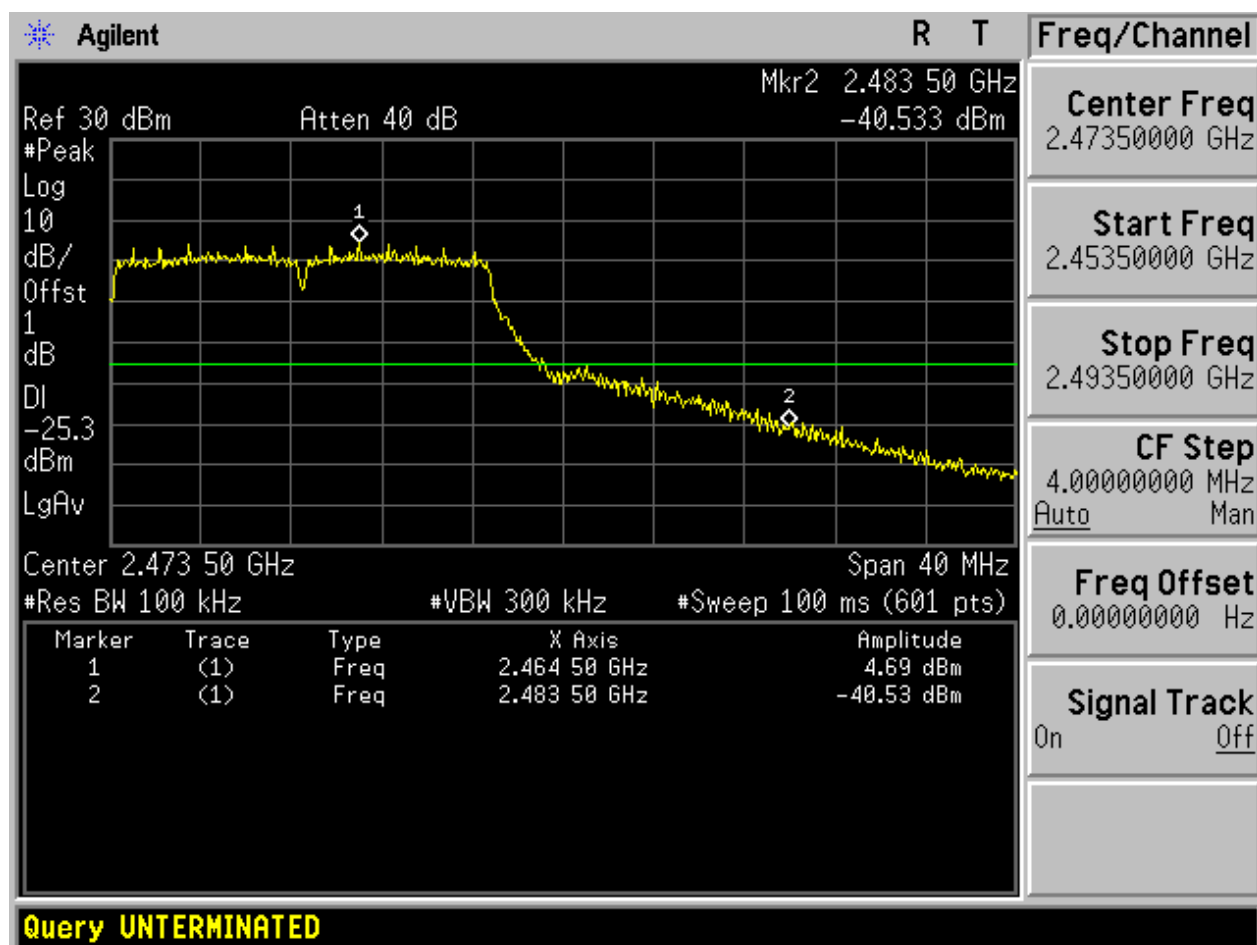


2.5 11G_L@Ant 1



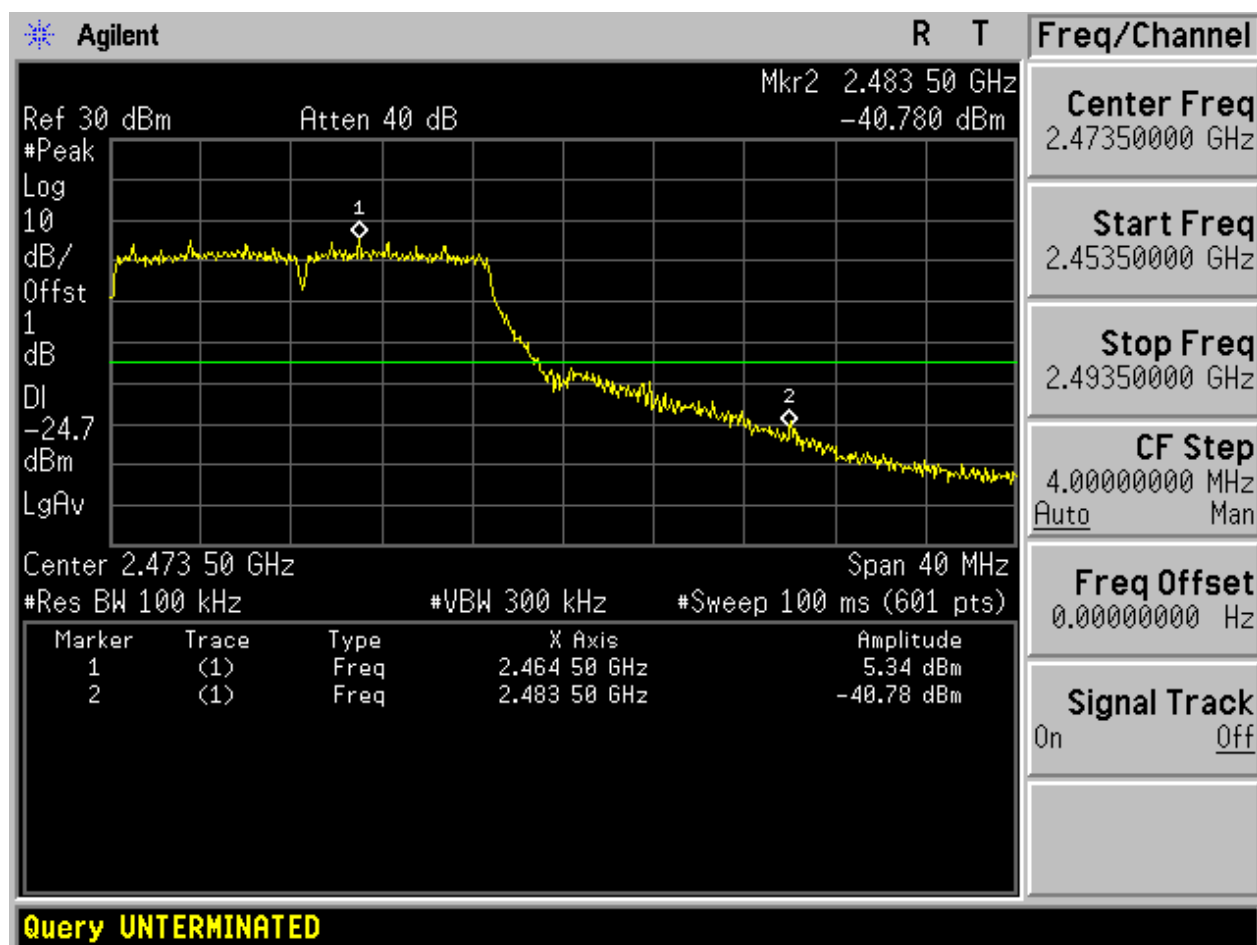


2.8 11G_H@Ant 2



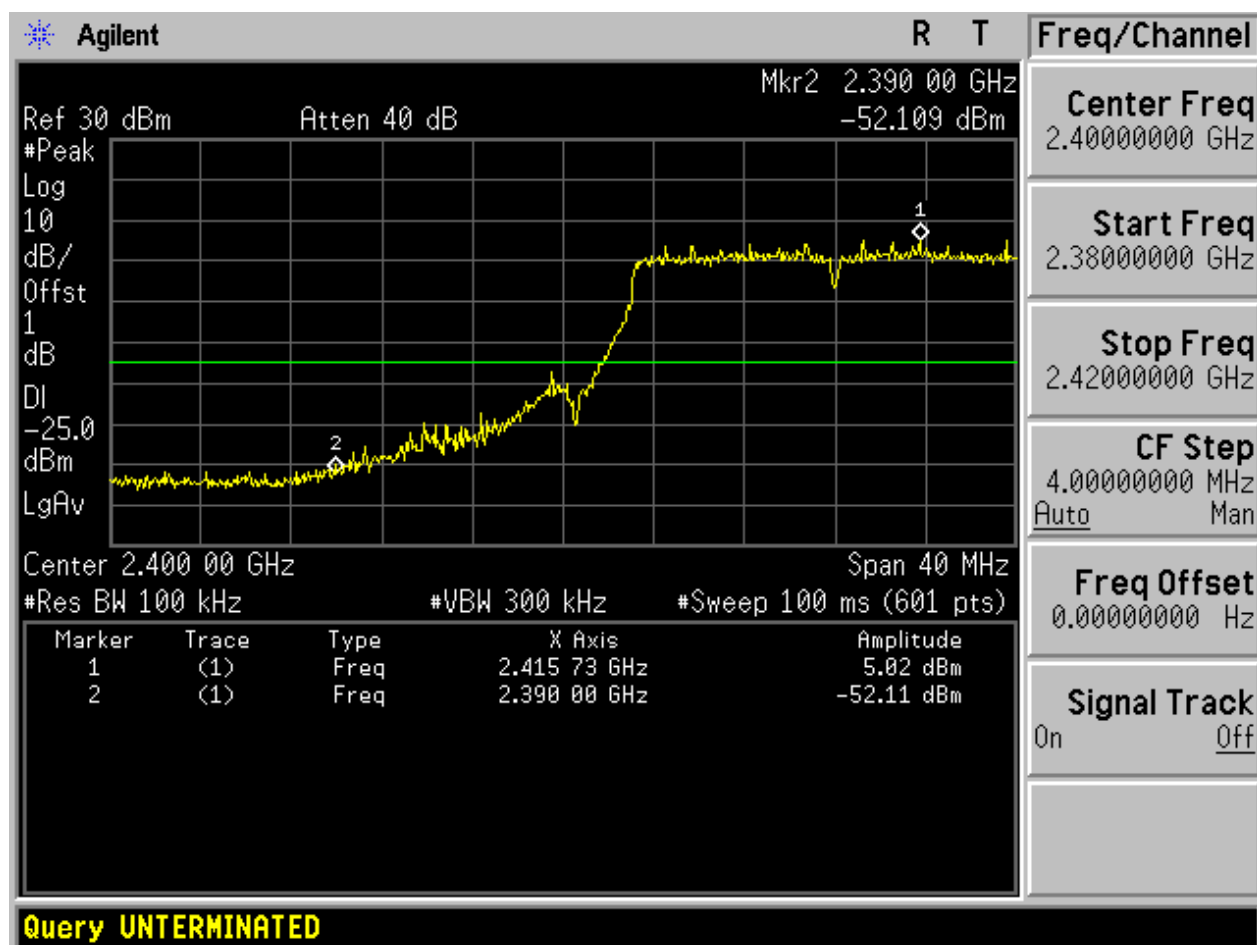


2.7 11G_H@Ant 1

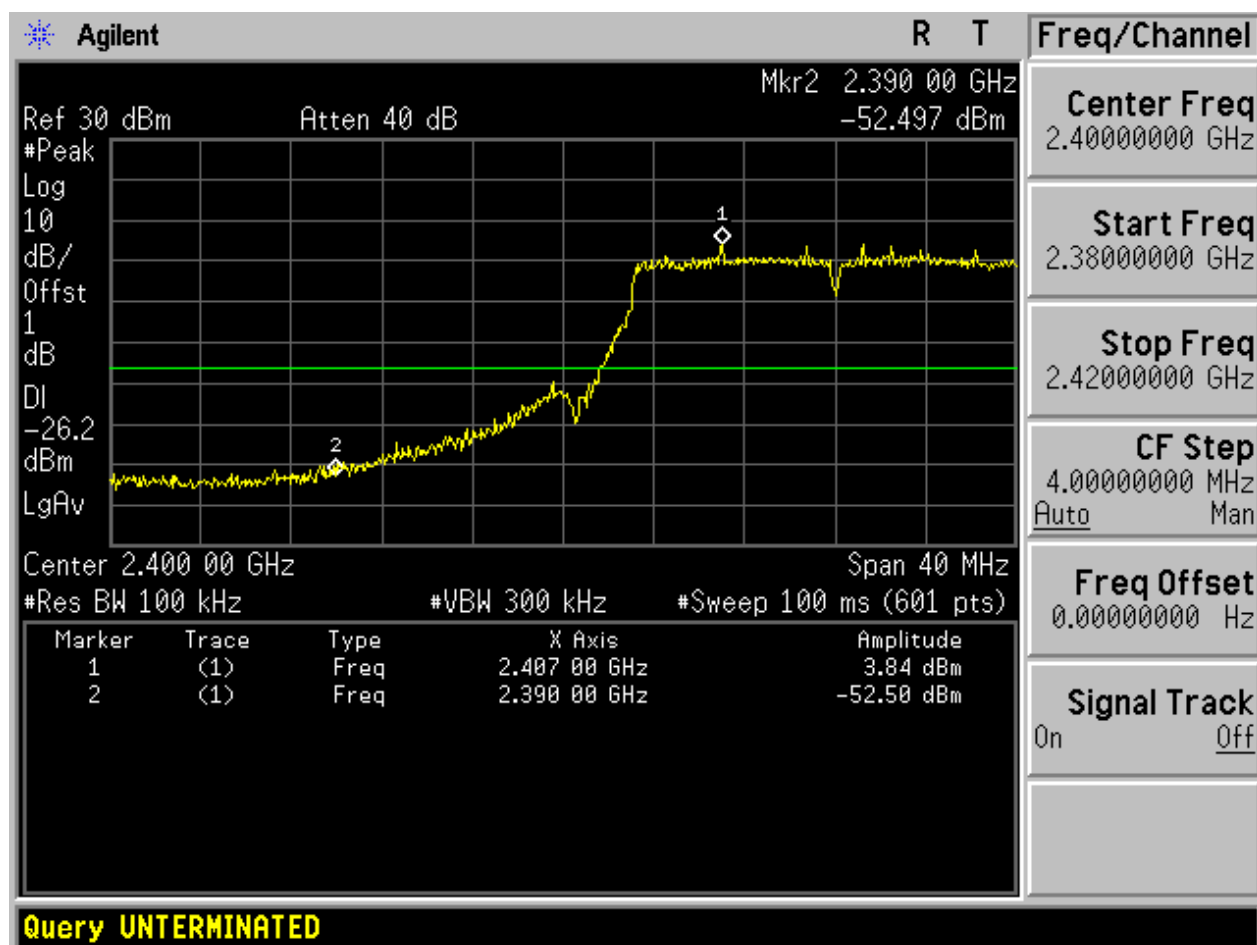




2.9 11N20_L@Ant 1

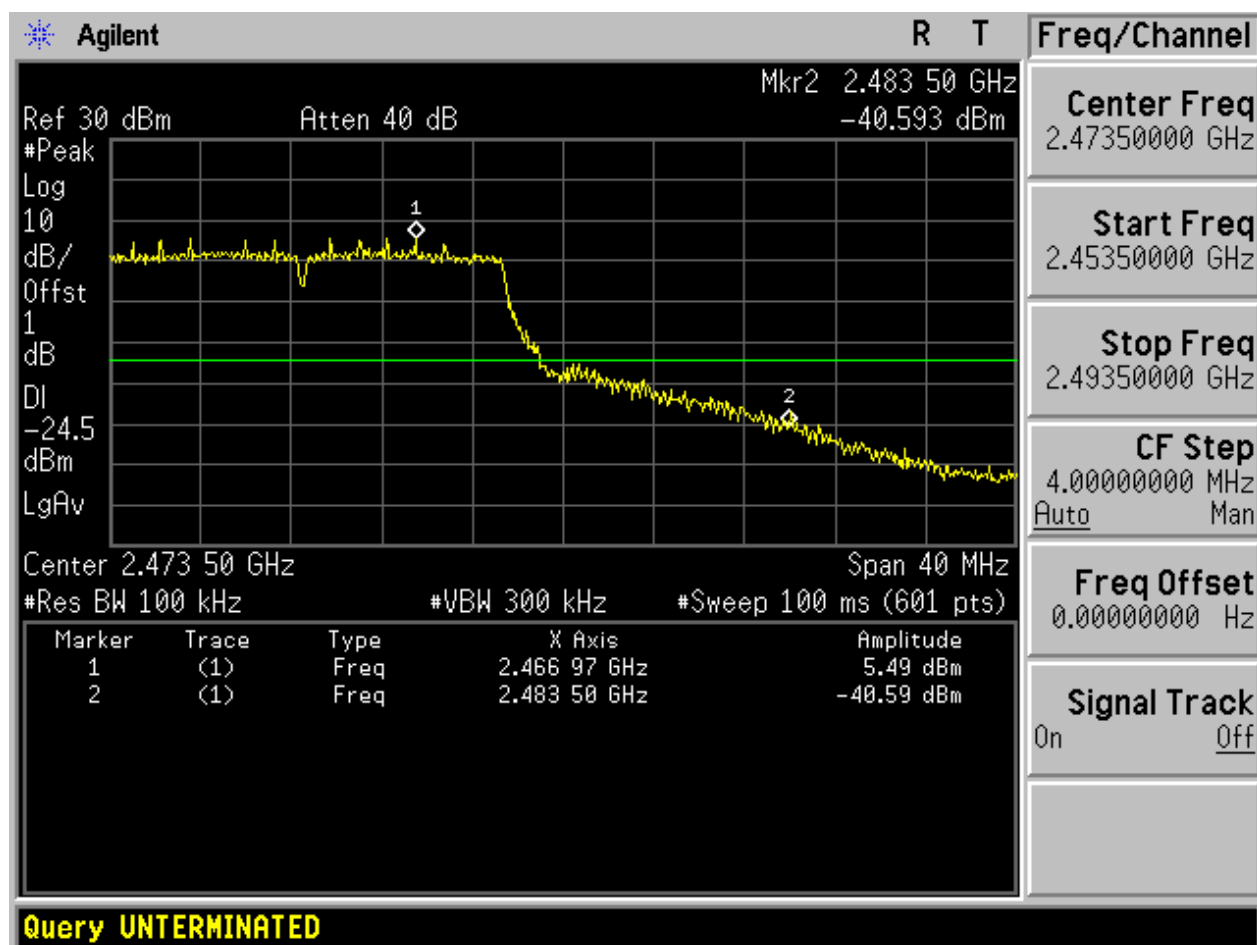


2.10 11N20_L@Ant 2



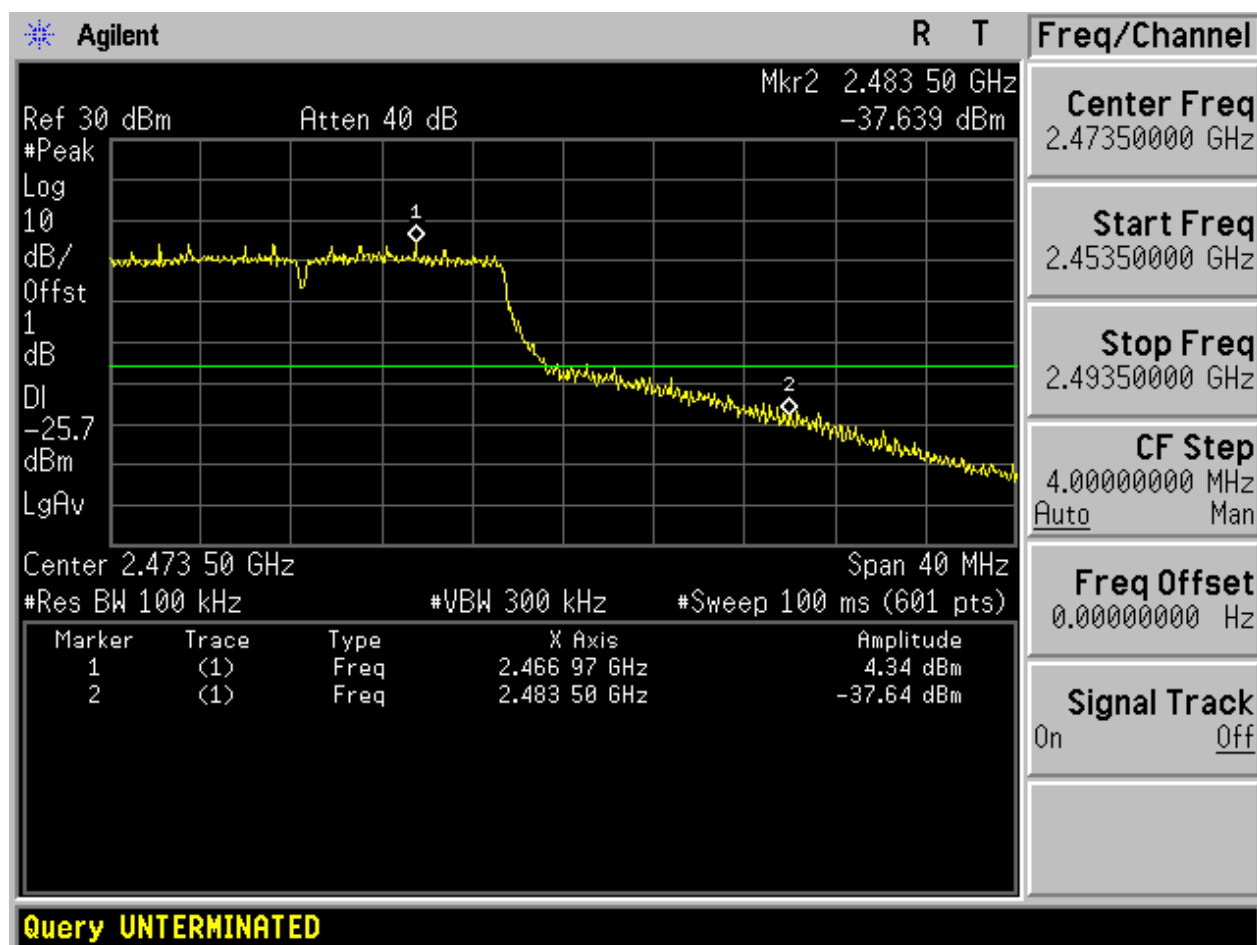


2.11 11N20_H@Ant 1

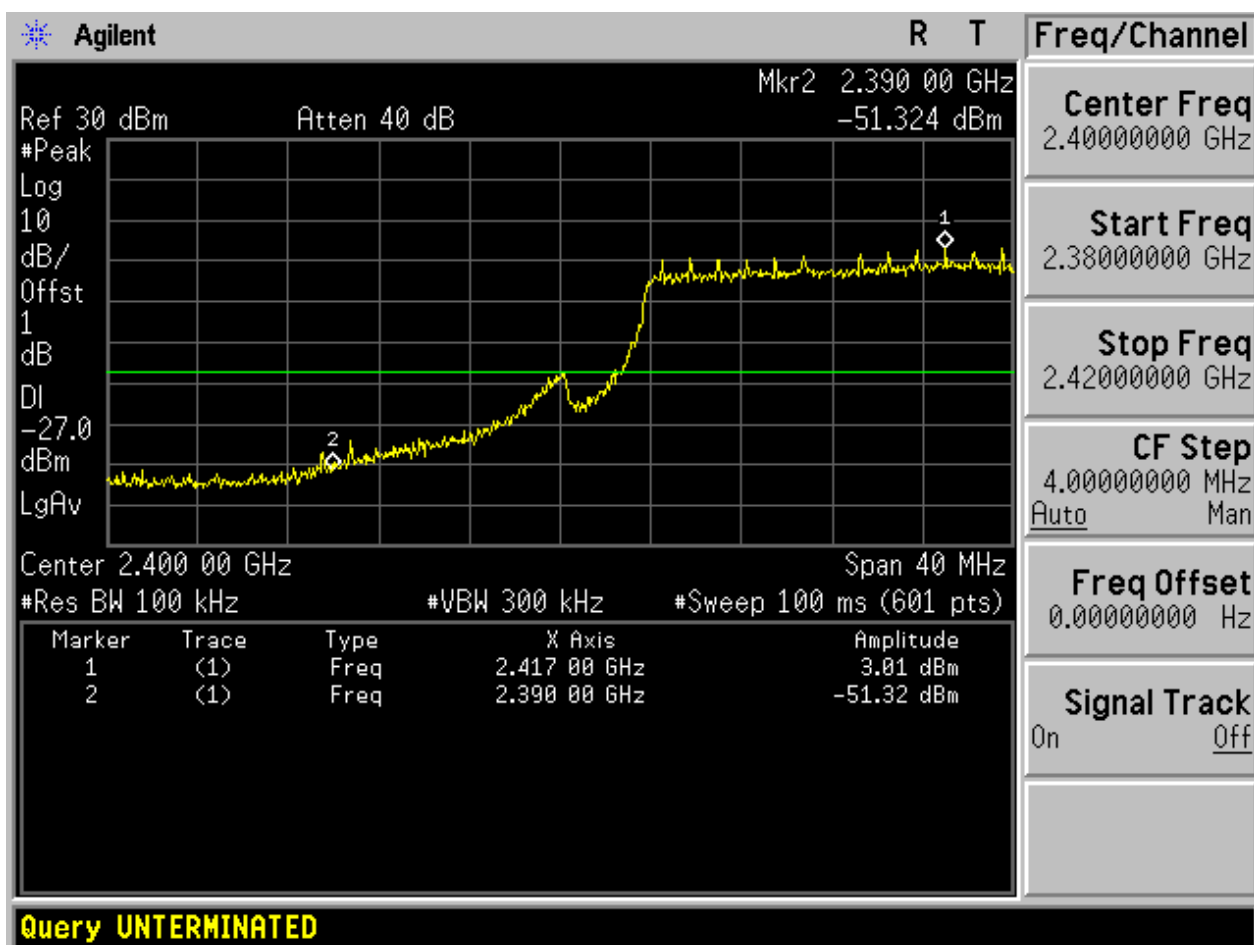




2.12 11N20_H@Ant 2

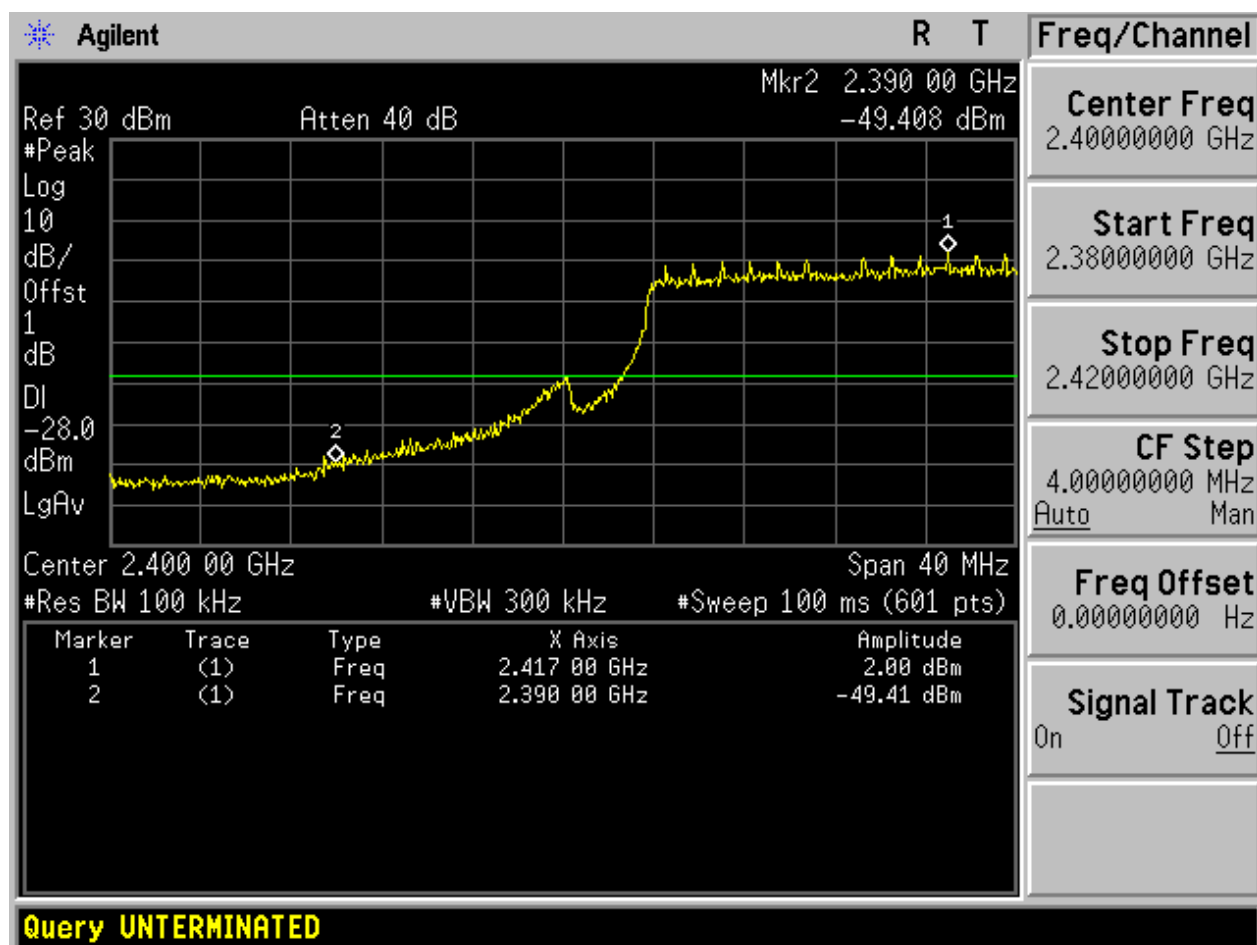


2.13 11N40_L@Ant 1



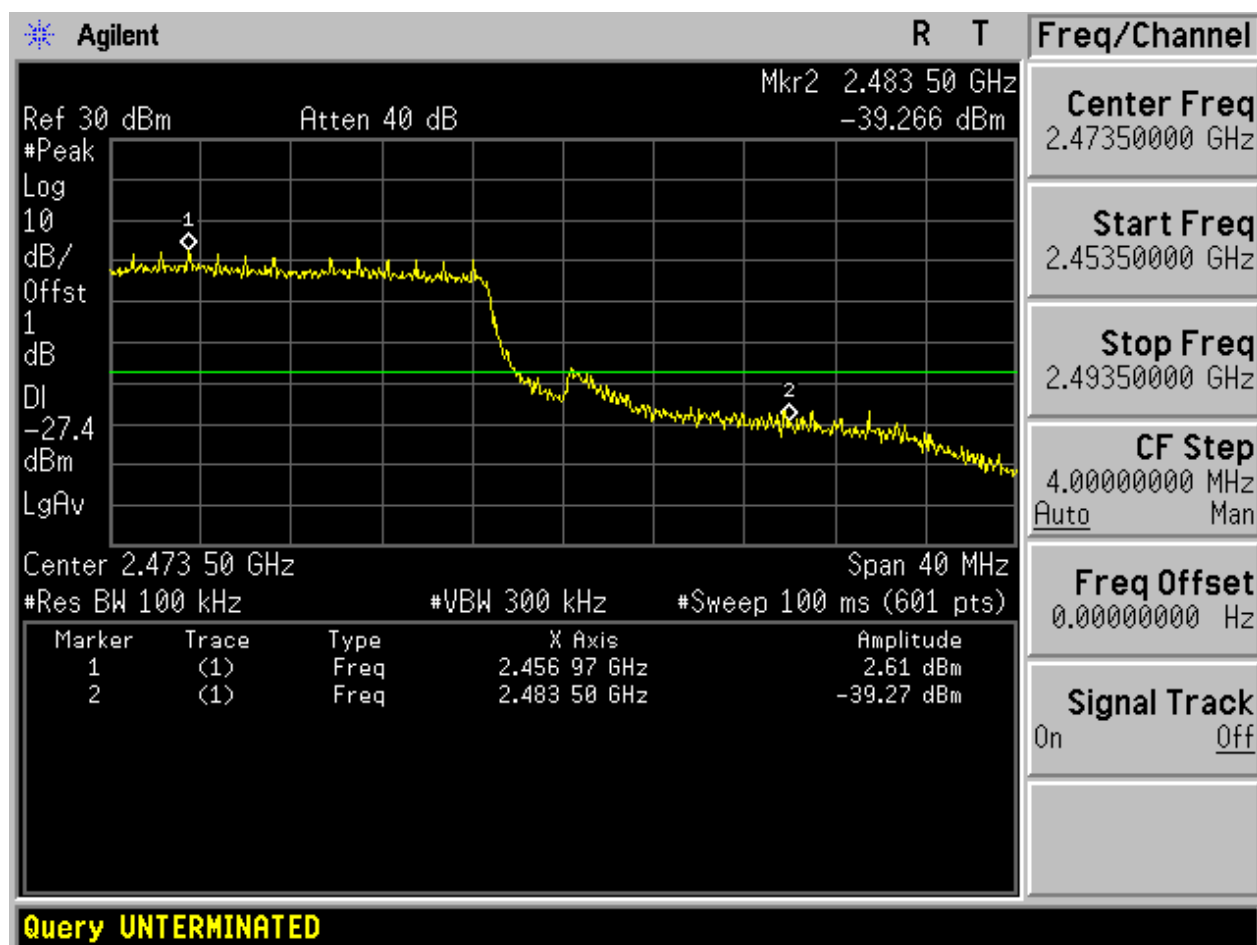


2.14 11N40_L@Ant 2

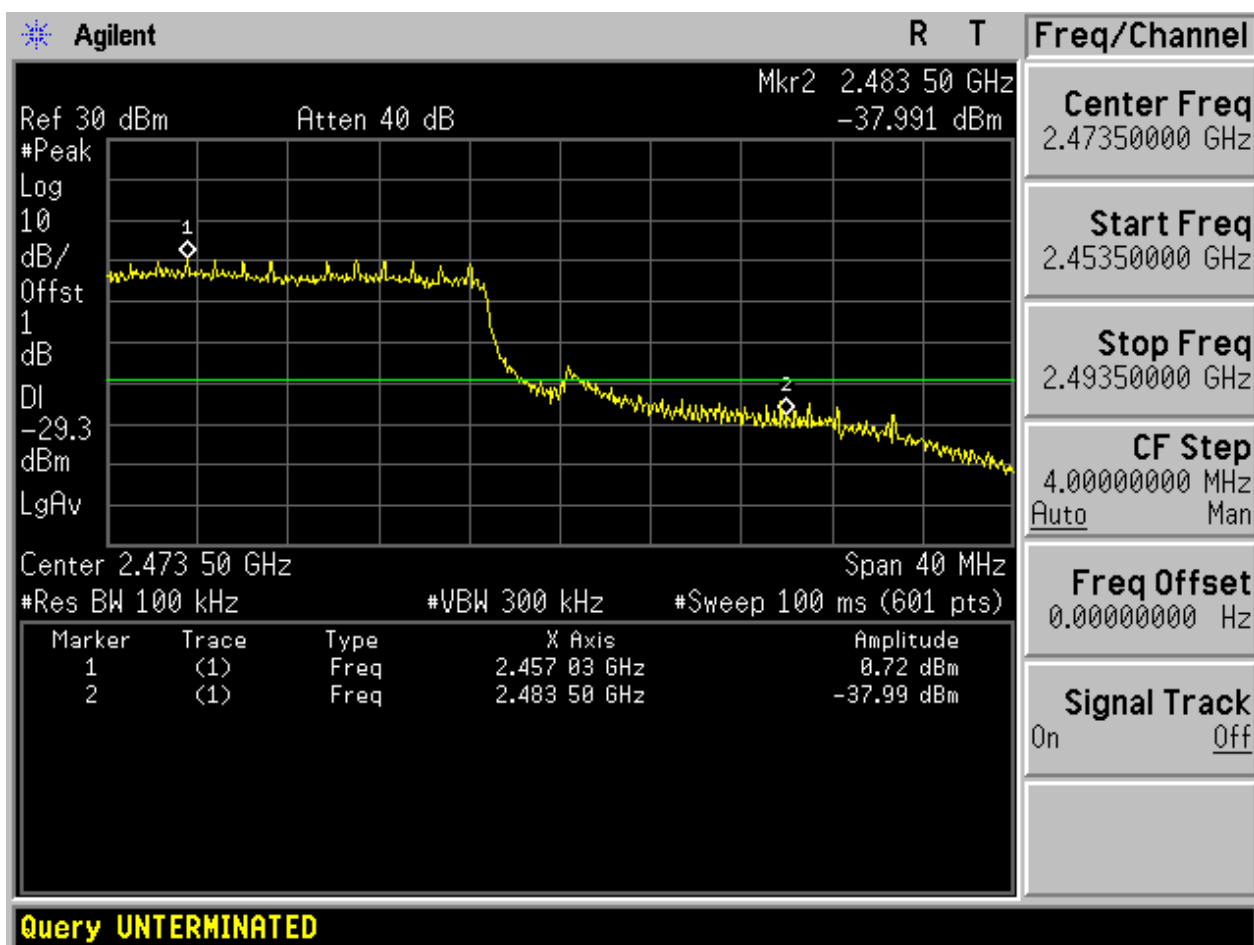




2.15 11N40_H@Ant 1

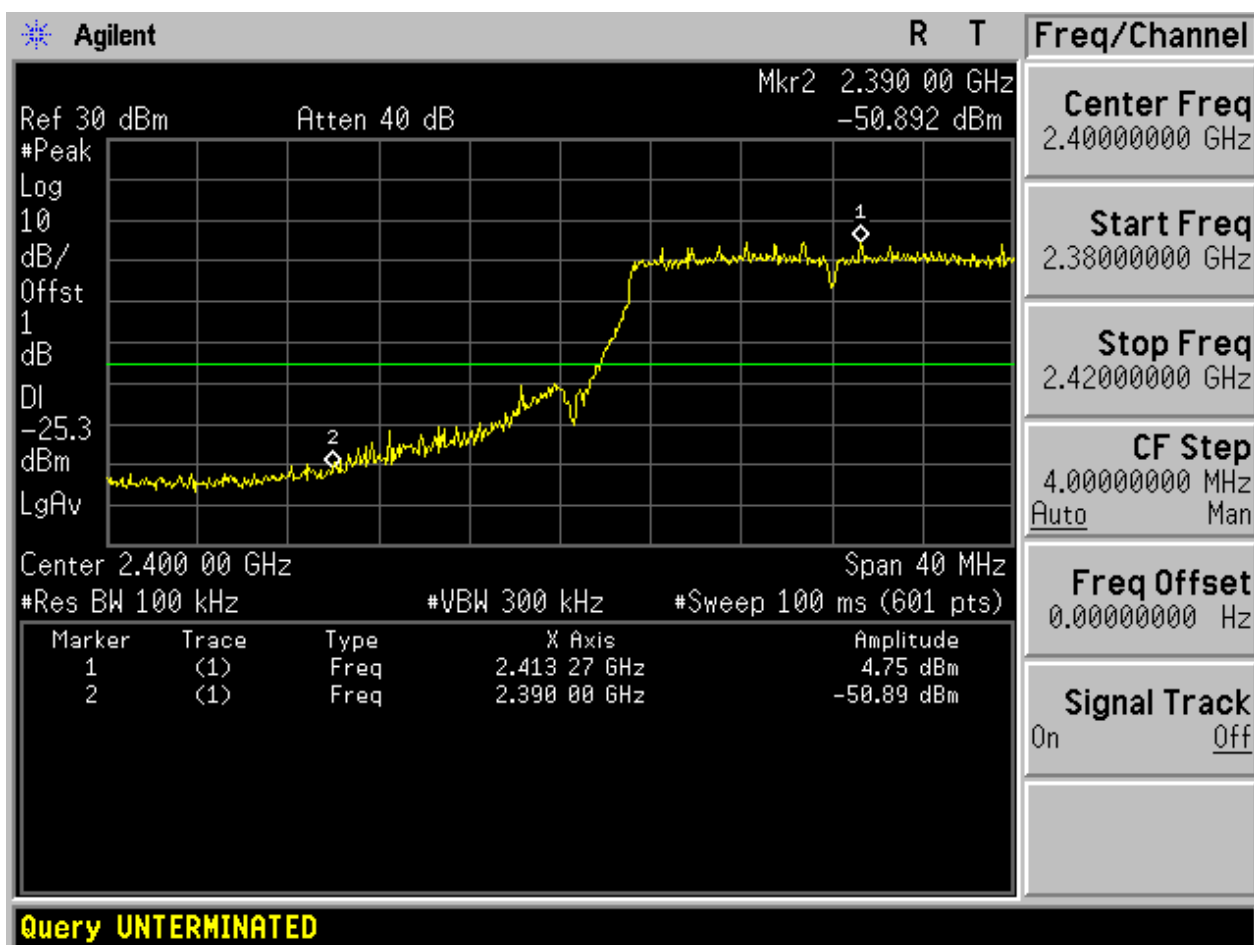


2.16 11N40_H@Ant 2



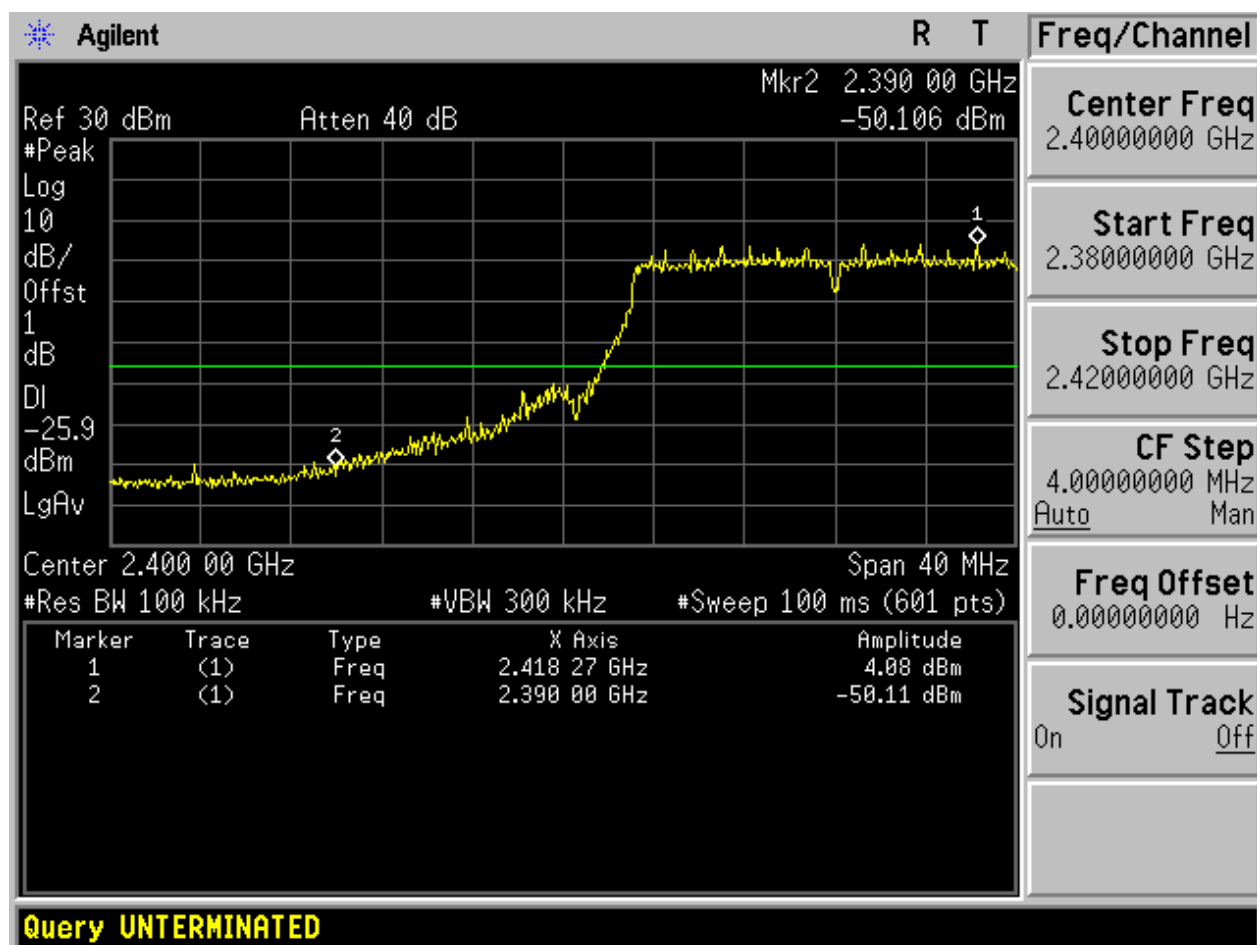


2.17 11N20m_L@Ant 1



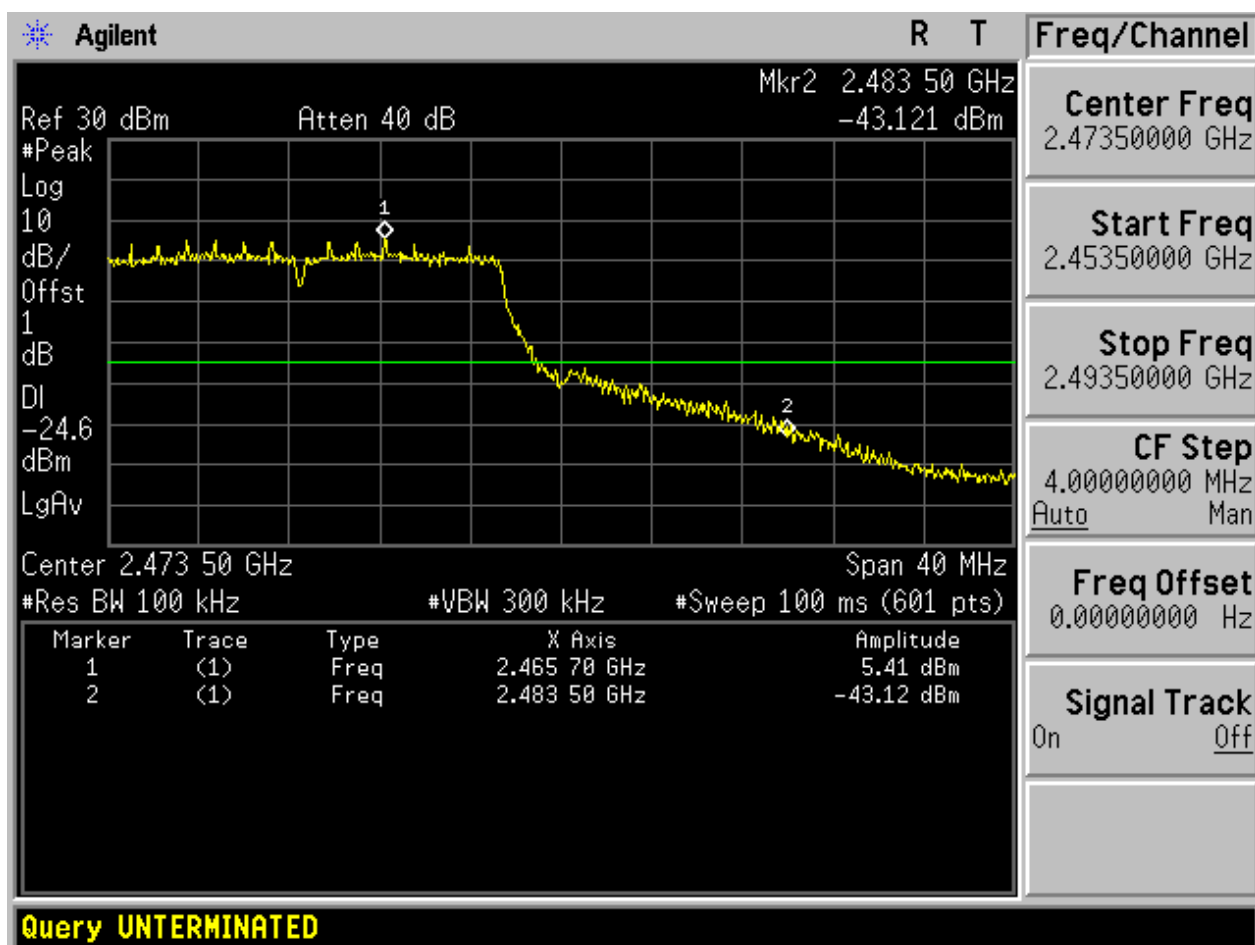


2.18 11N20m_L@Ant 2



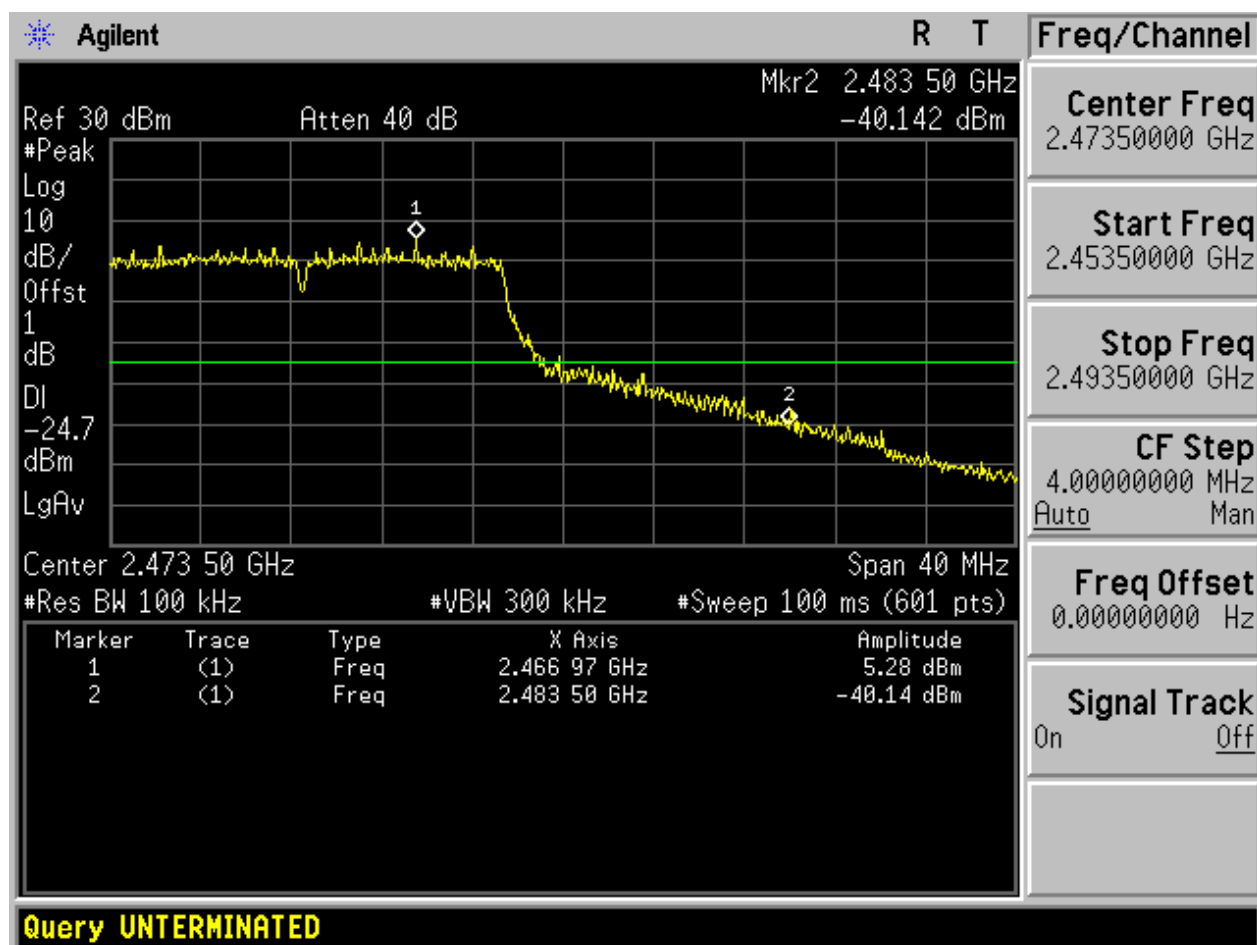


2.19 11N20m_H@Ant 1

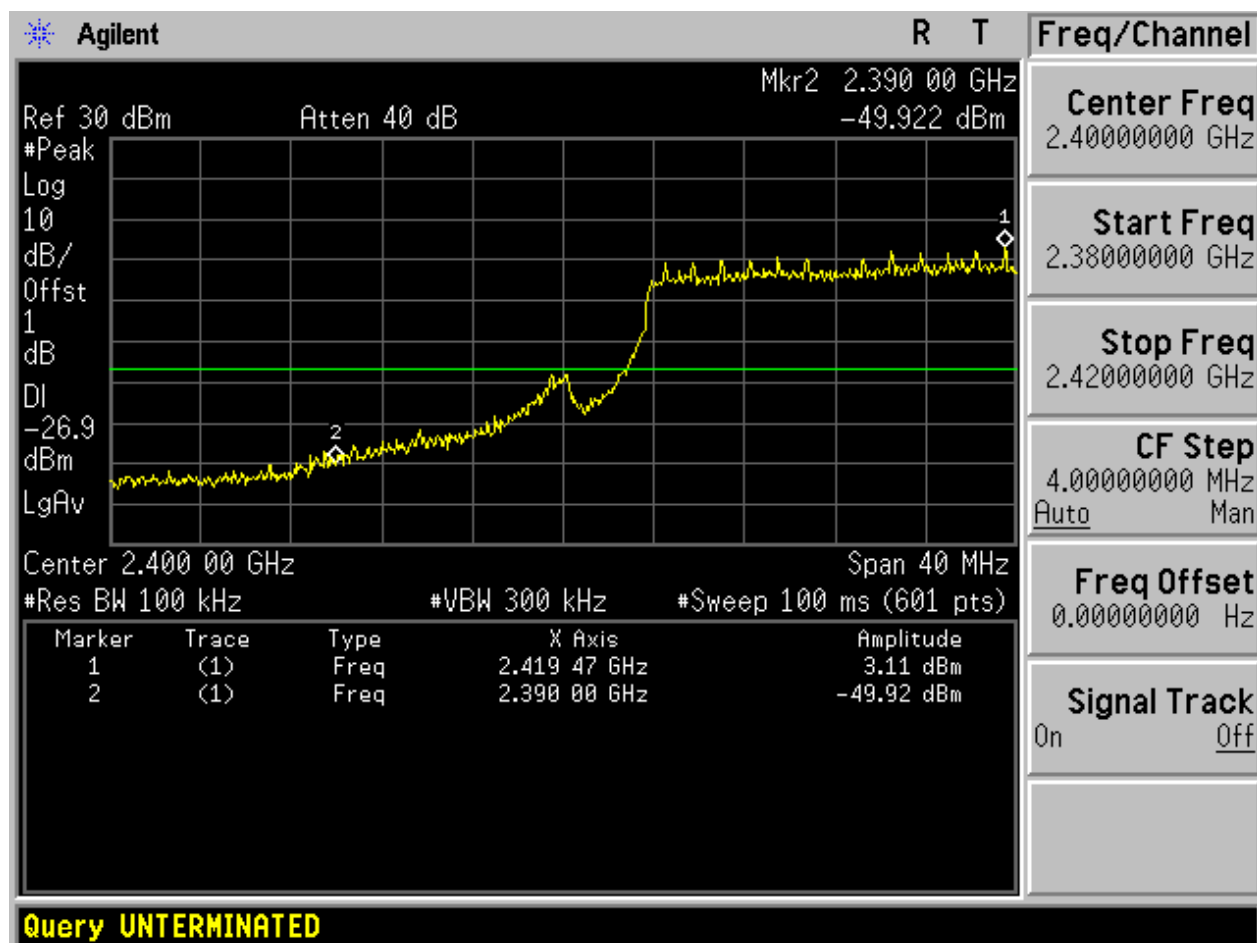




2.20 11N20m_H@Ant 2

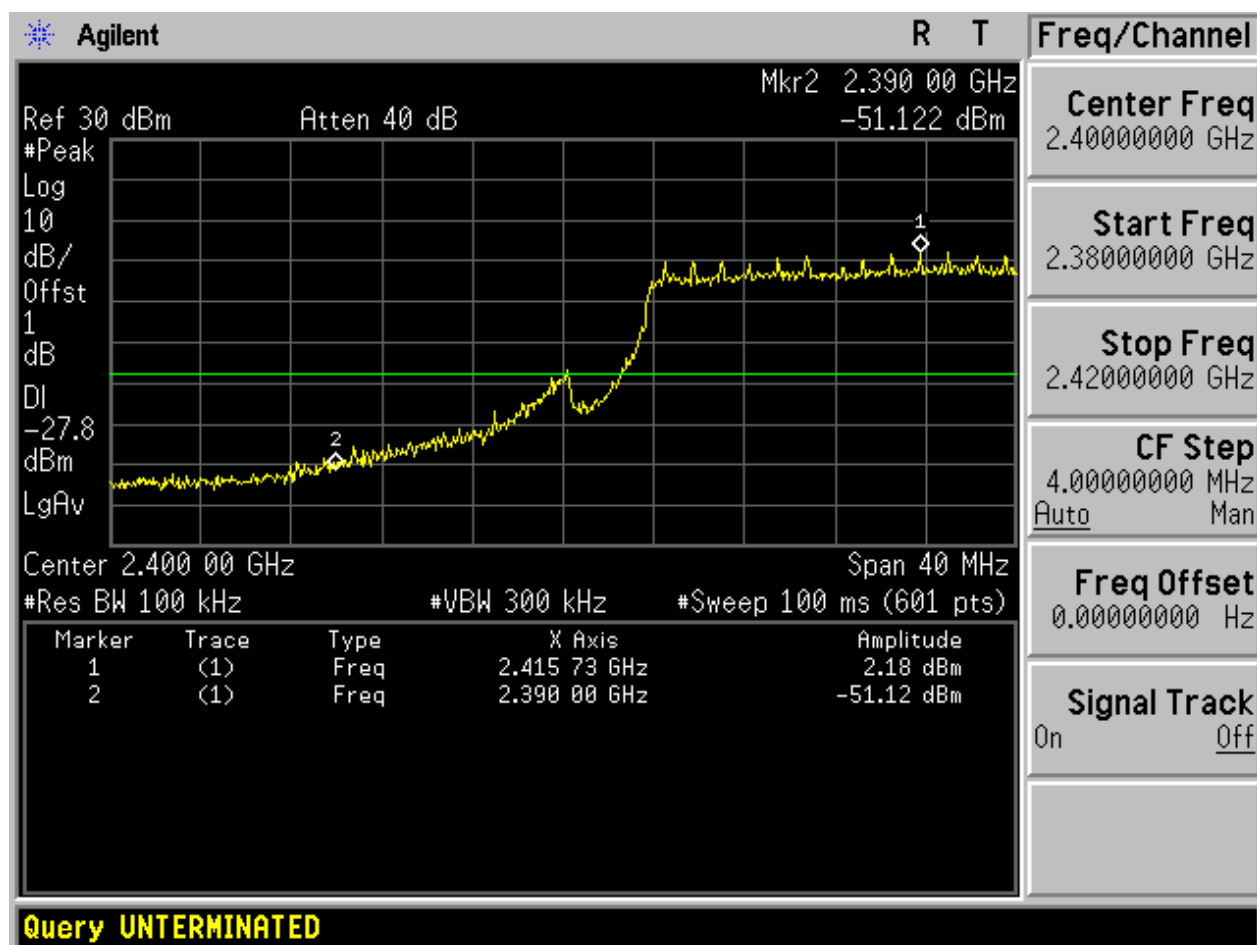


2.22 11N40m_L@Ant 2



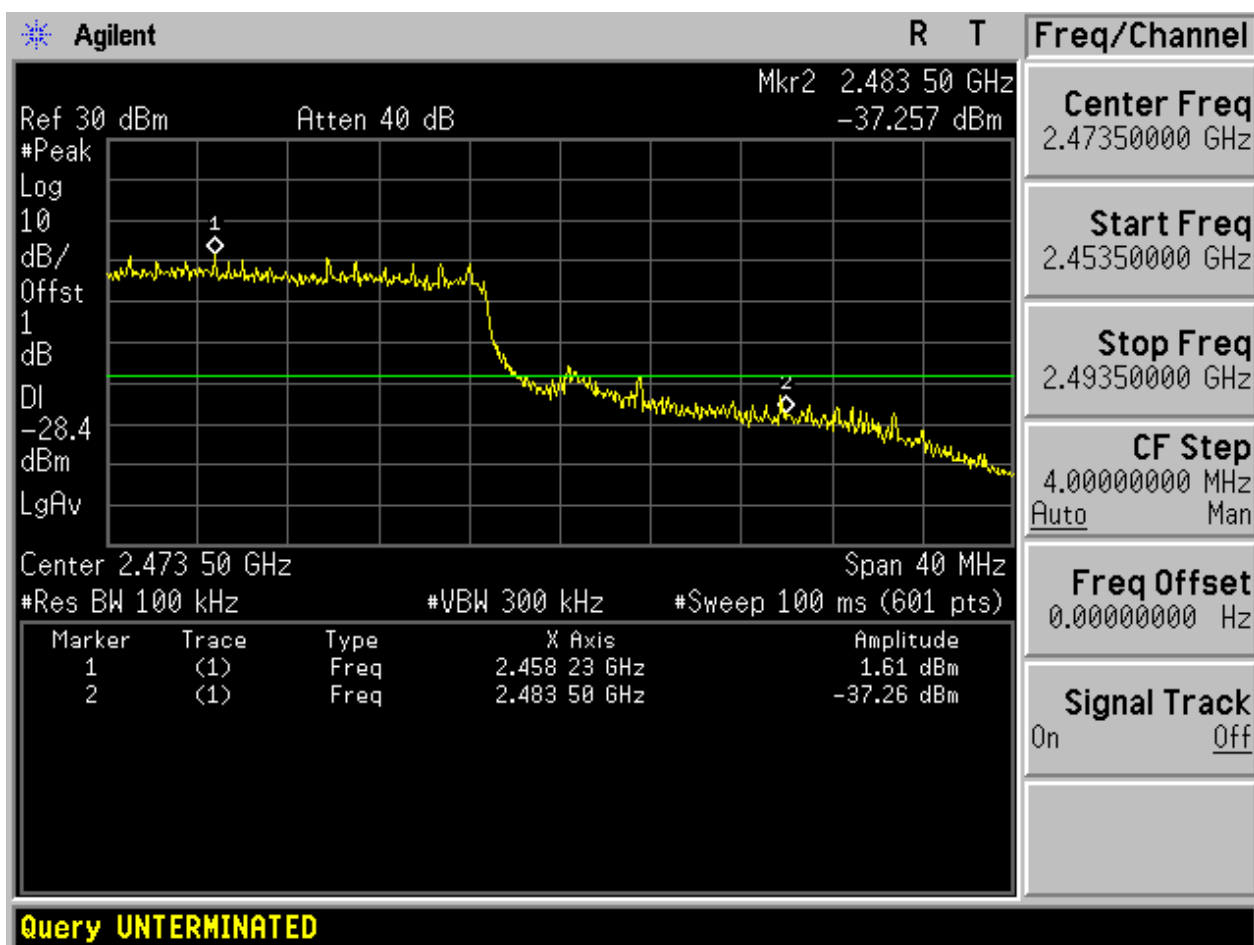


2.21 11N40m_L@Ant 1



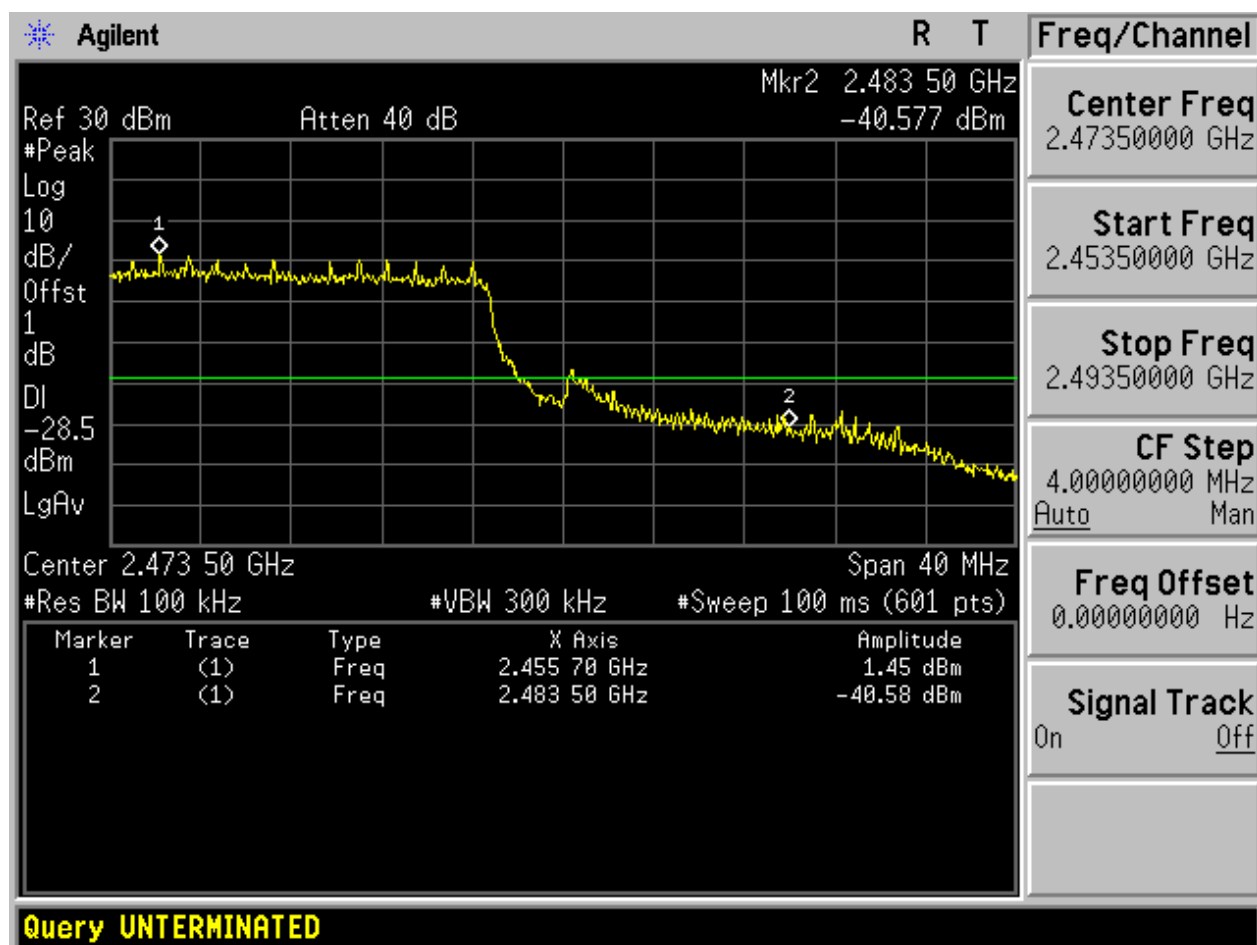


2.24 11N40m_H@Ant 2





2.23 11N40m_H@Ant 1





Appendix F: Unwanted Emissions into Non-Restricted Frequency

Bands

In this Appendix, the "Pref", which is used as the reference level, refers to the peak power level in any 100 kHz bandwidth within the fundamental emission, the "Puw" refers to the maximum emission power in 100 kHz band segments outside of the authorized frequency band.

Considering that the higher ratio of RBW to the span for the frequency ranges below 30 MHz makes the results determination be complicated, a narrower RBW other than 100 kHz is used for these ranges. The measured value should add a RBW correction factor (RBWCF) where $RBWCF [dB] = 10 \times \lg(100 [kHz]/\text{narrower RBW} [kHz])$. As to this Appendix, the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

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

In the result table, the "< Limit" denotes that "The Puw [dBm] is less than Pref[dBm]-20[dBm], see test plots for detailed".

Part I - Test Results

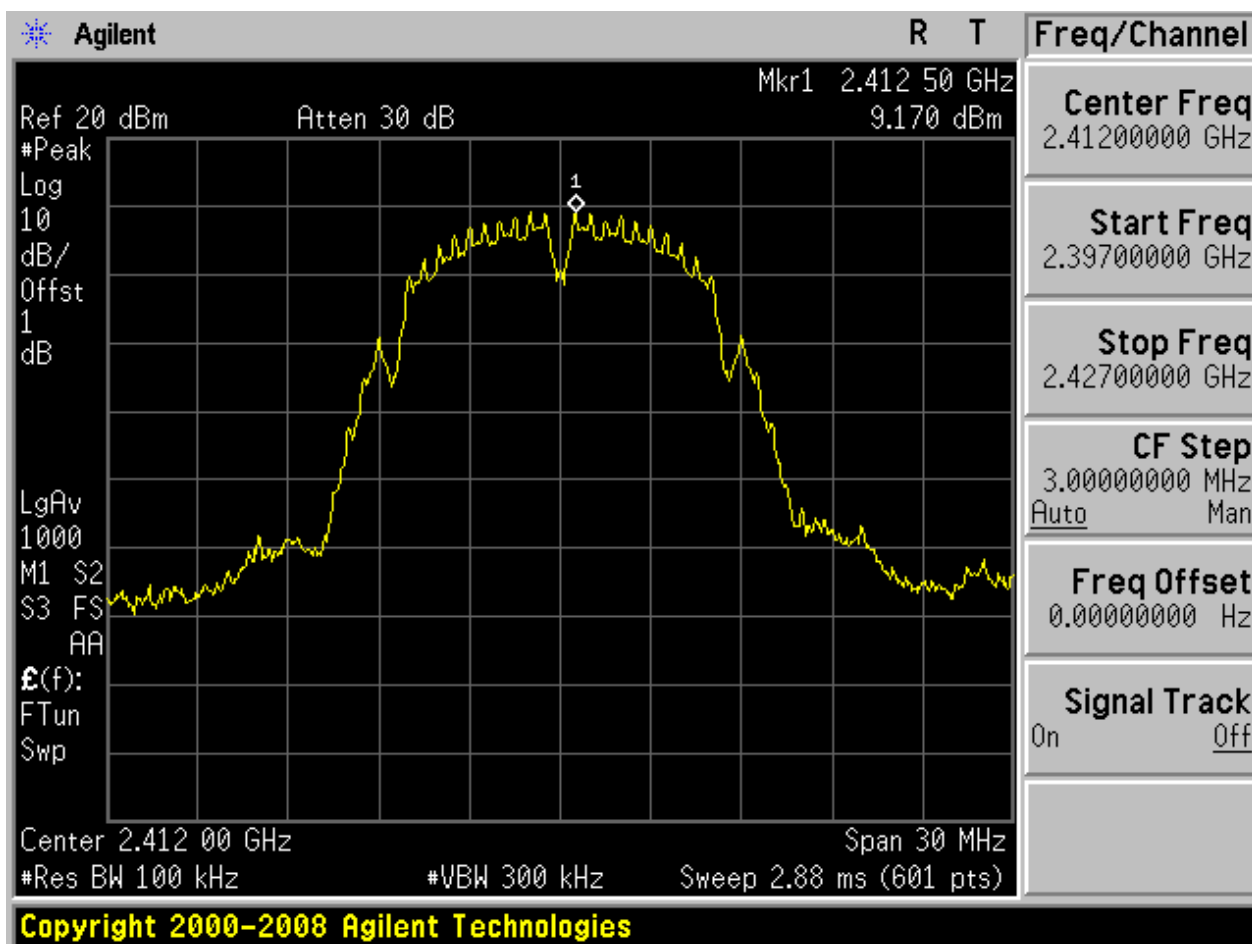
Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11B	L	2412	Ant 1	9.17	<limit	pass
11B	L	2412	Ant 2	8.12	<limit	pass
11B	M	2437	Ant 1	9.00	<limit	pass
11B	M	2437	Ant 2	7.62	<limit	pass
11B	H	2462	Ant 1	9.38	<limit	pass
11B	H	2462	Ant 2	8.36	<limit	pass
11G	L	2412	Ant 2	4.32	<limit	pass
11G	L	2412	Ant 1	5.43	<limit	pass
11G	M	2437	Ant 2	4.24	<limit	pass
11G	M	2437	Ant 1	5.52	<limit	pass
11G	H	2462	Ant 2	4.96	<limit	pass
11G	H	2462	Ant 1	5.62	<limit	pass
11N20	L	2412	Ant 1	5.90	<limit	pass
11N20	L	2412	Ant 2	4.62	<limit	pass
11N20	M	2437	Ant 1	5.67	<limit	pass
11N20	M	2437	Ant 2	4.14	<limit	pass
11N20	H	2462	Ant 1	5.94	<limit	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11N20	H	2462	Ant 2	5.32	<limit	pass
11N40	L	2422	Ant 1	3.55	<limit	pass
11N40	L	2422	Ant 2	2.46	<limit	pass
11N40	M	2437	Ant 1	3.29	<limit	pass
11N40	M	2437	Ant 2	2.29	<limit	pass
11N40	H	2452	Ant 1	2.79	<limit	pass
11N40	H	2452	Ant 2	1.21	<limit	pass
11N20m	L	2412	Ant 2	5.44	<limit	pass
11N20m	L	2412	Ant 1	5.21	<limit	pass
11N20m	M	2437	Ant 2	5.20	<limit	pass
11N20m	M	2437	Ant 1	3.73	<limit	pass
11N20m	H	2462	Ant 2	5.88	<limit	pass
11N20m	H	2462	Ant 1	5.19	<limit	pass
11N40m	L	2422	Ant 2	3.34	<limit	pass
11N40m	L	2422	Ant 1	3.06	<limit	pass
11N40m	M	2437	Ant 2	2.68	<limit	pass
11N40m	M	2437	Ant 1	2.90	<limit	pass
11N40m	H	2452	Ant 2	2.14	<limit	pass
11N40m	H	2452	Ant 1	2.00	<limit	pass

Part II - Test Plots

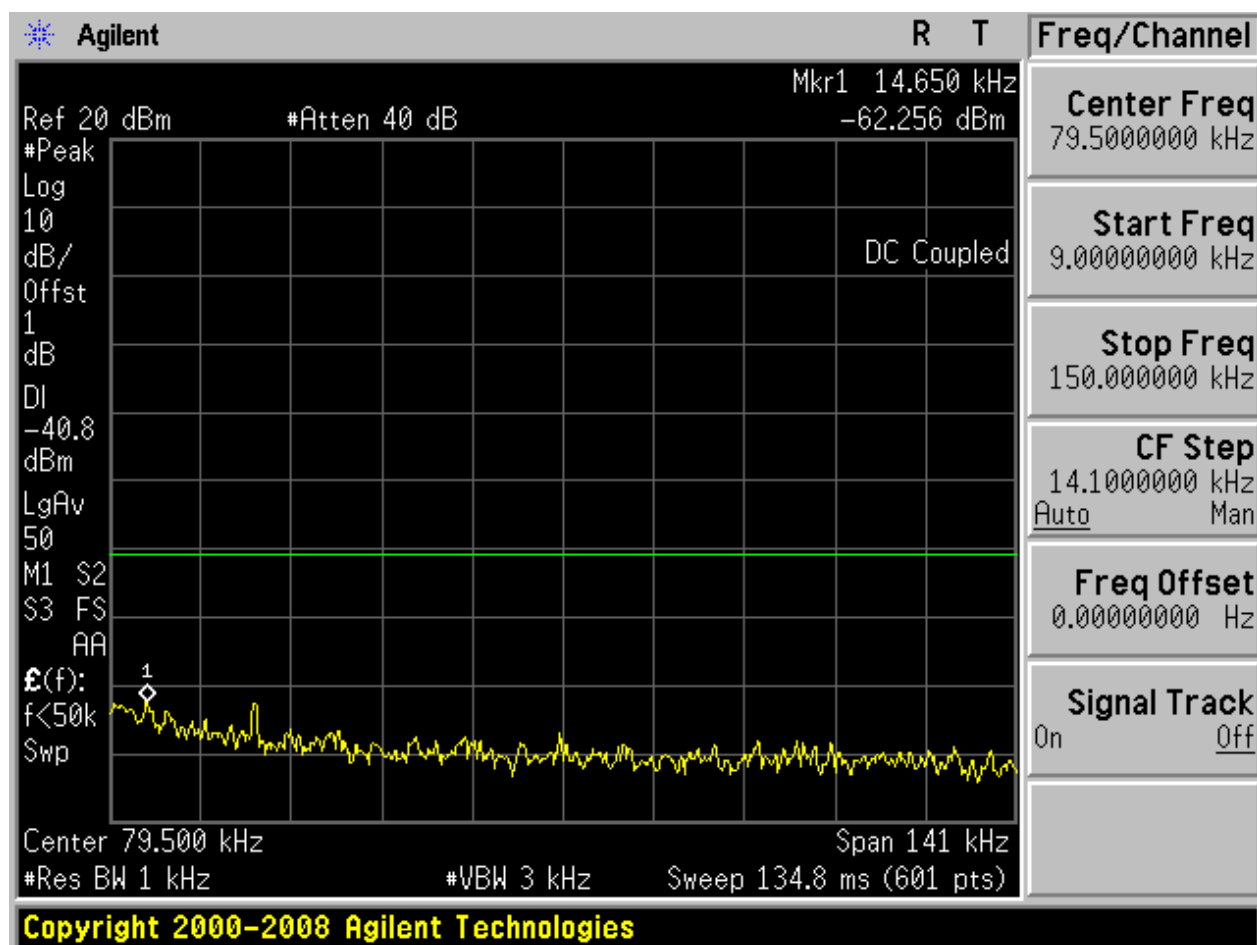
2.1 11B_L@Ant 1

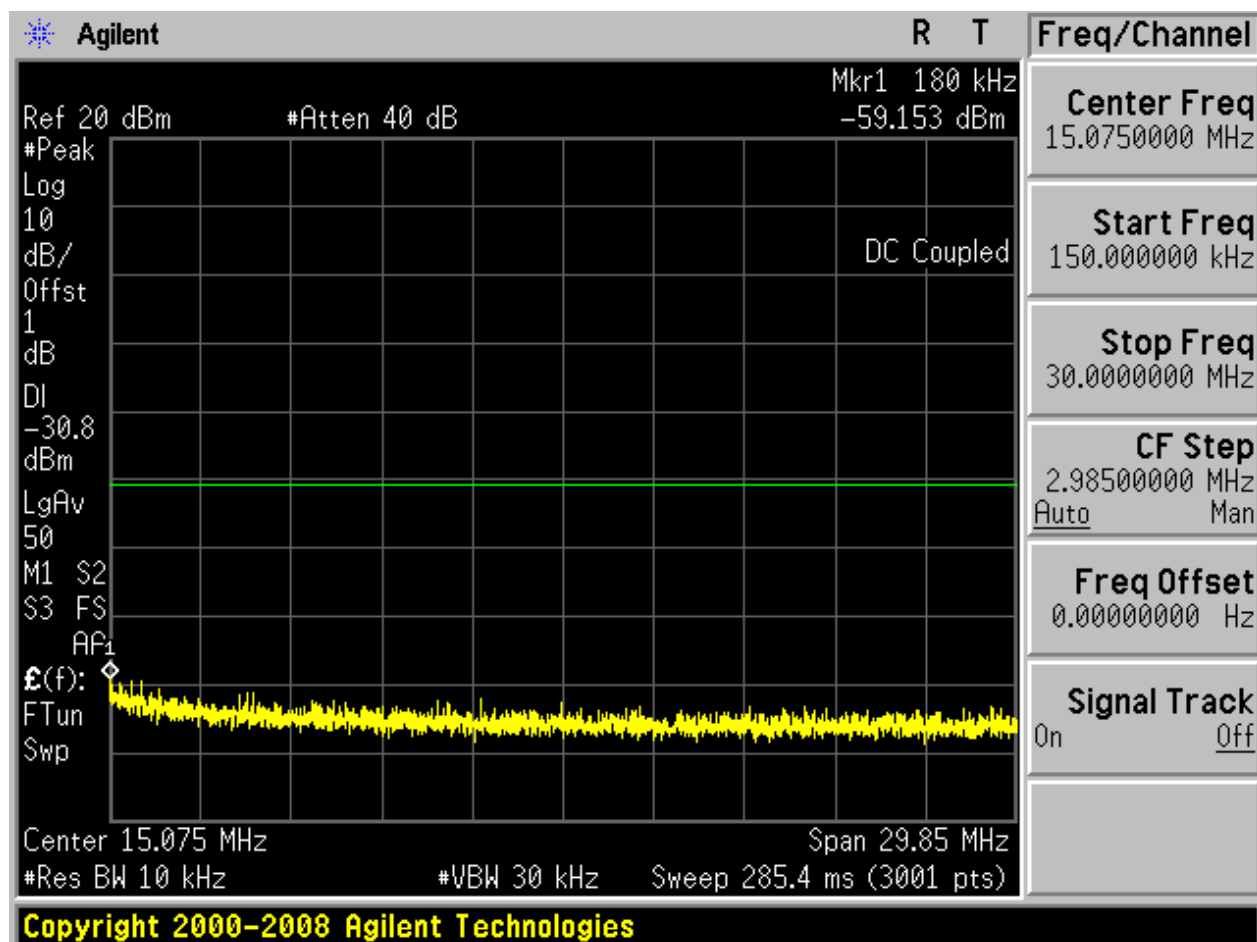
Pref:

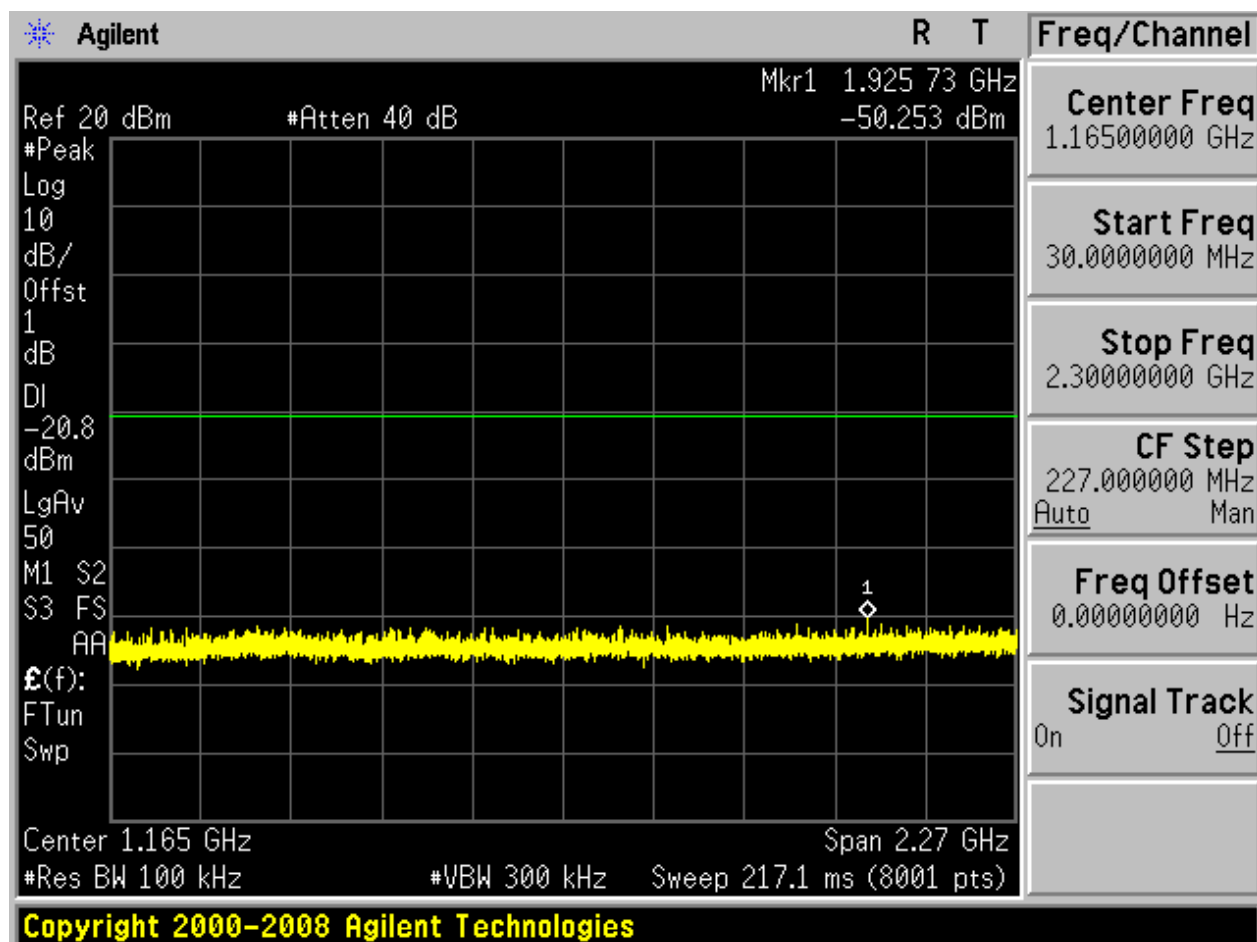


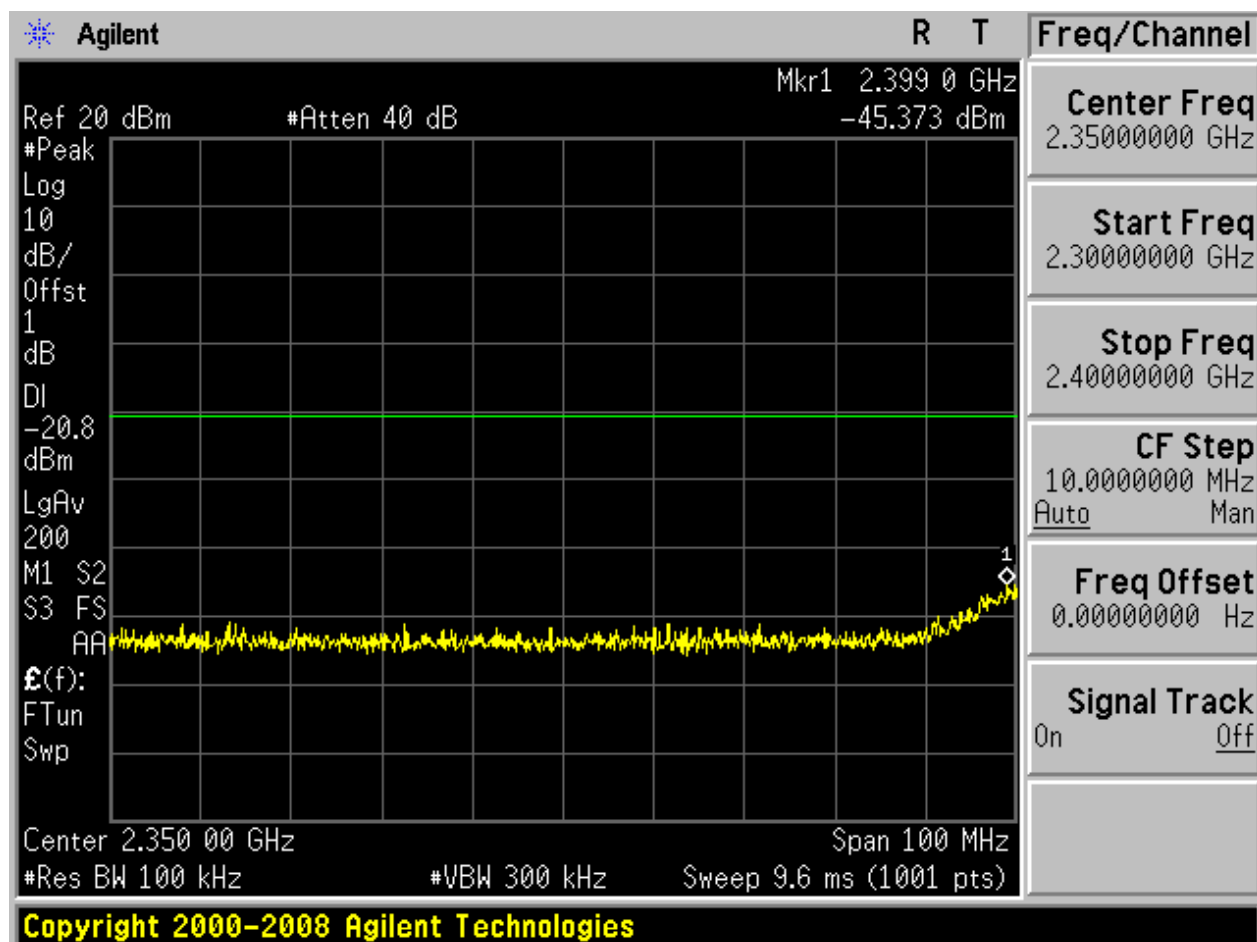


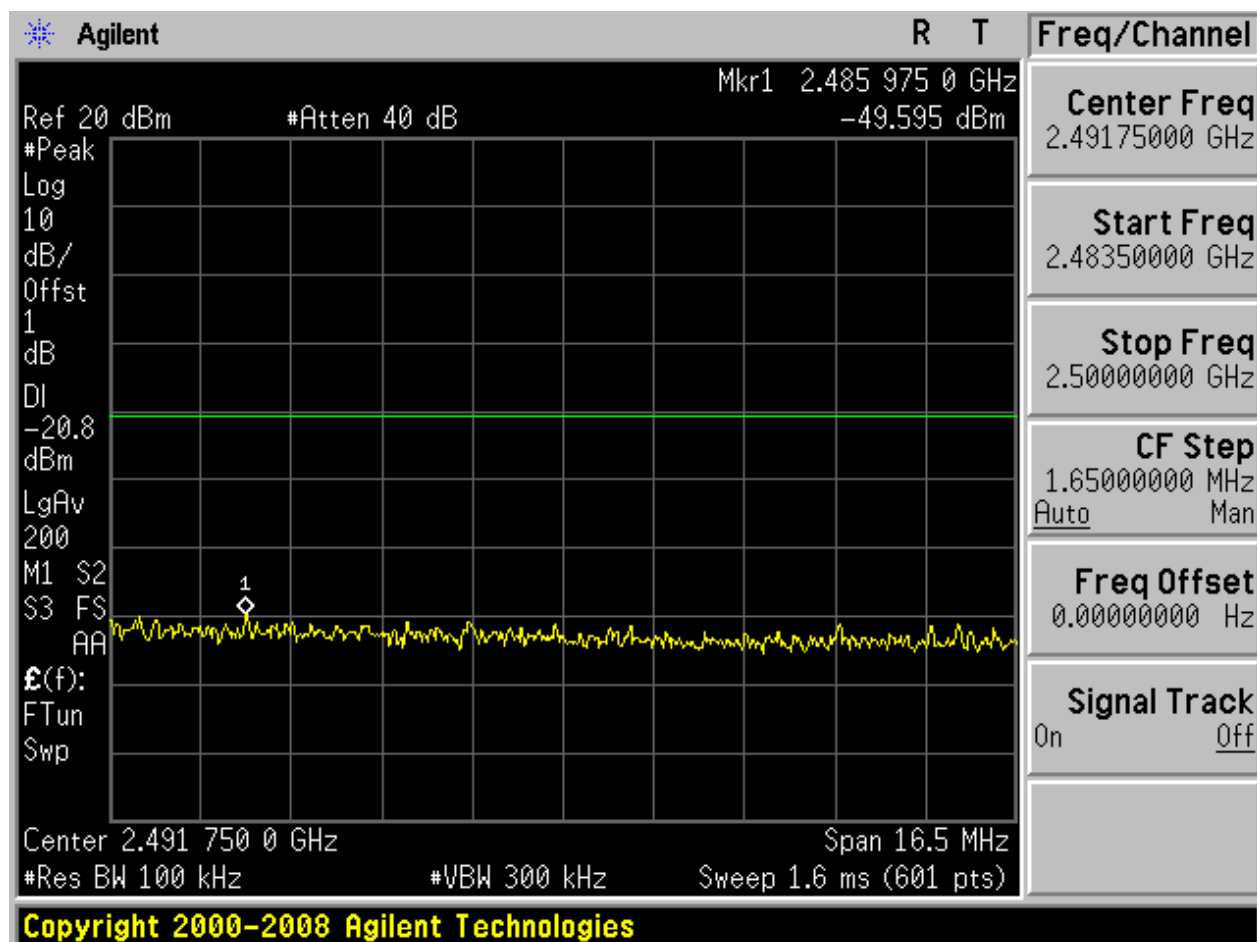
Puw:

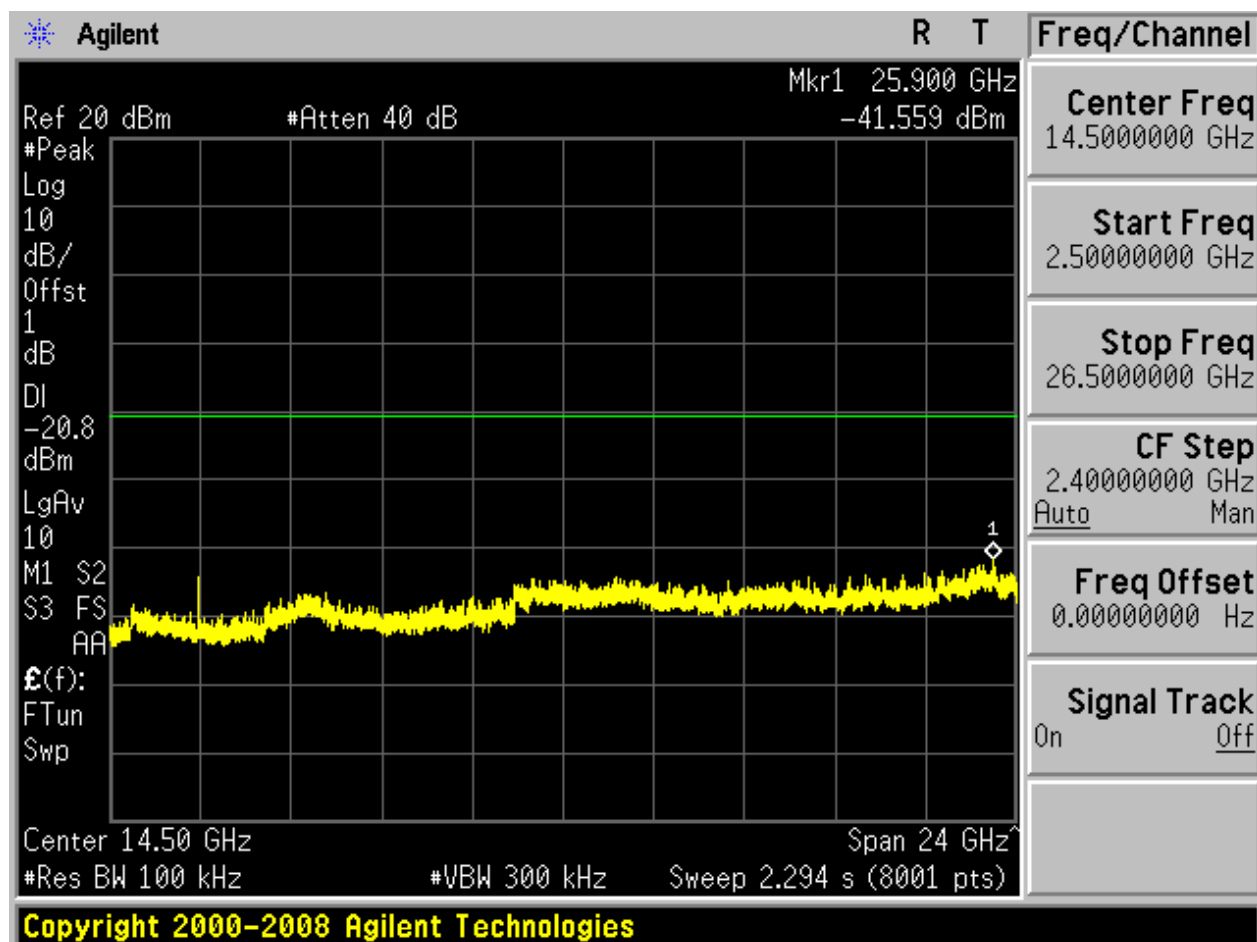








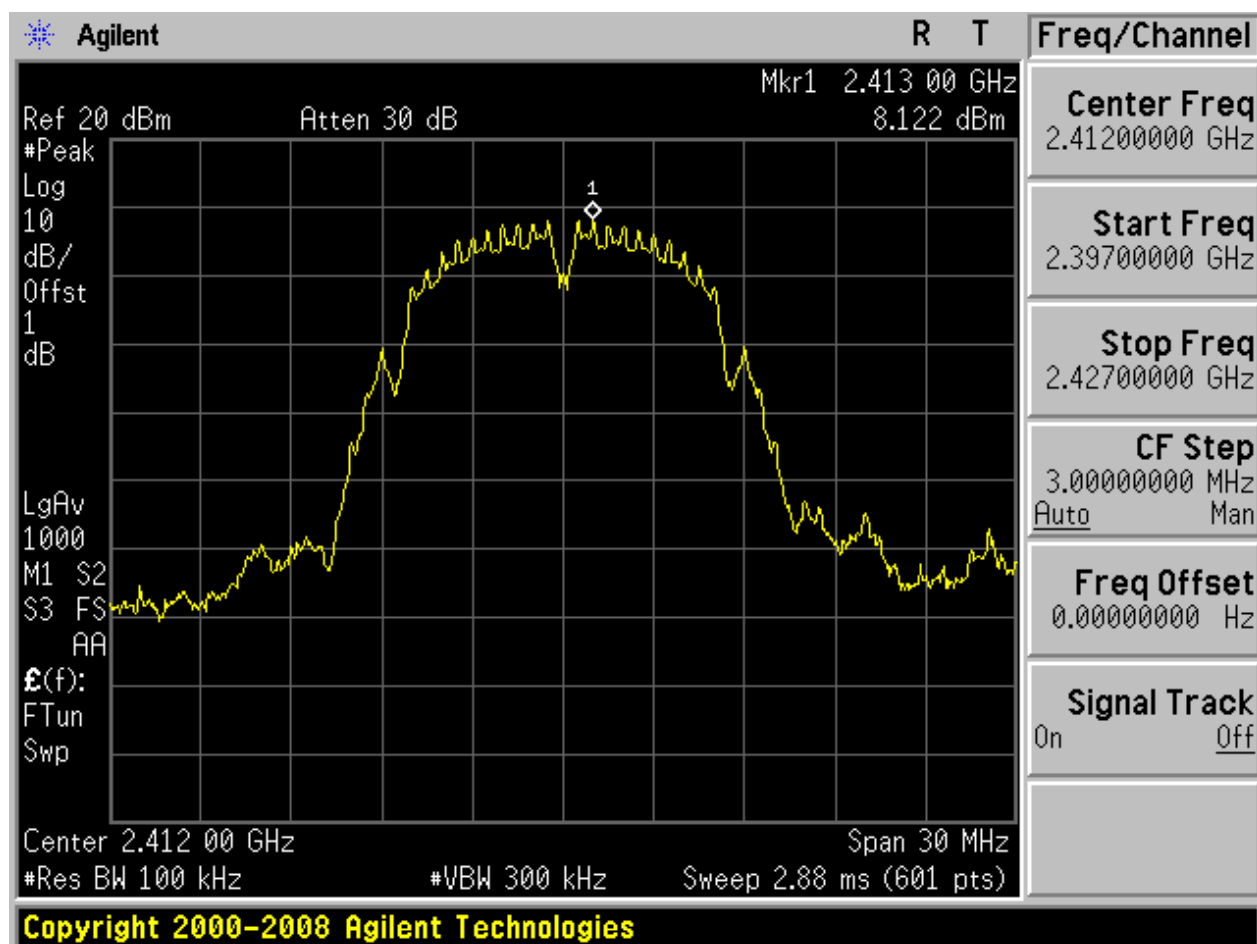






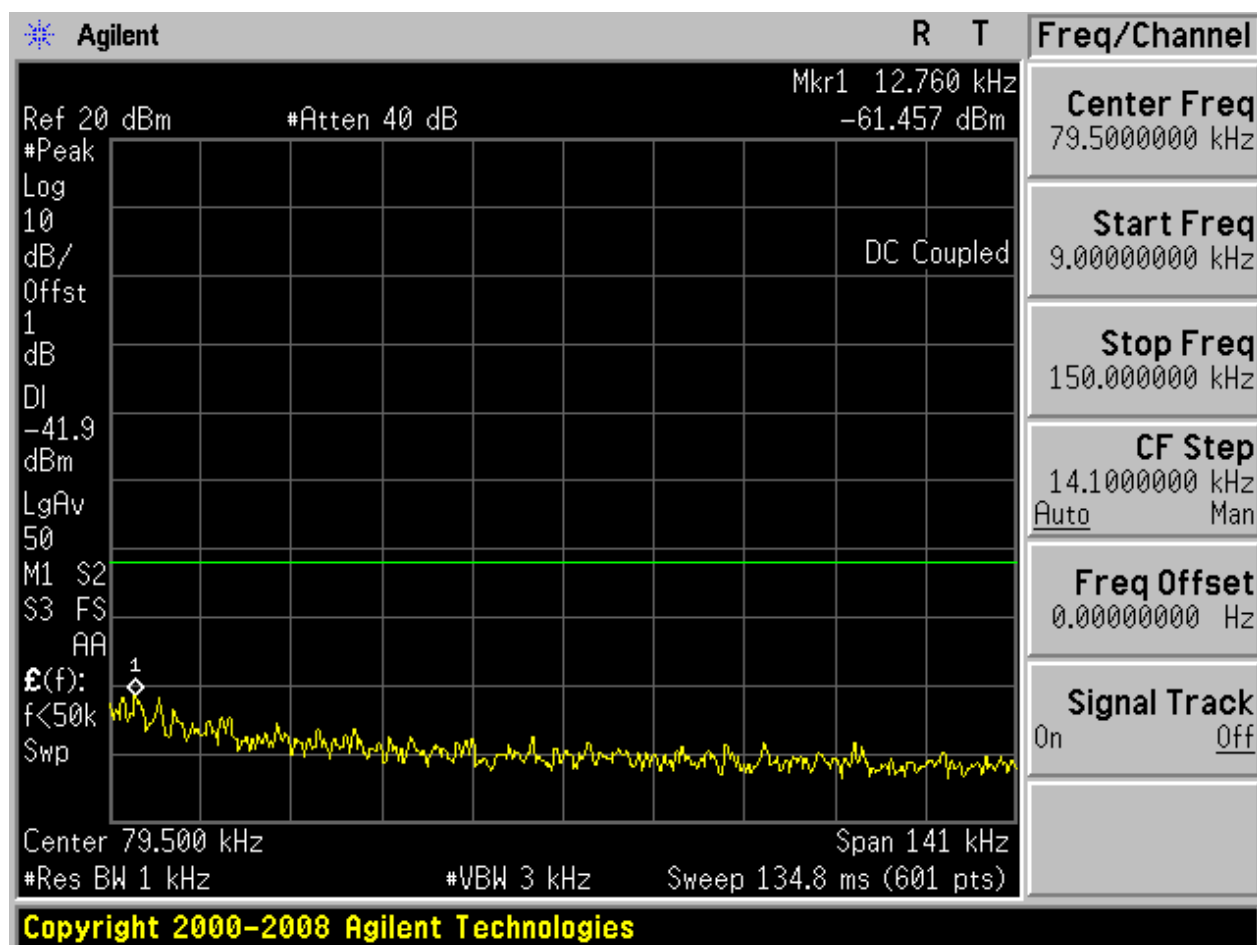
2.2 11B_L@Ant 2

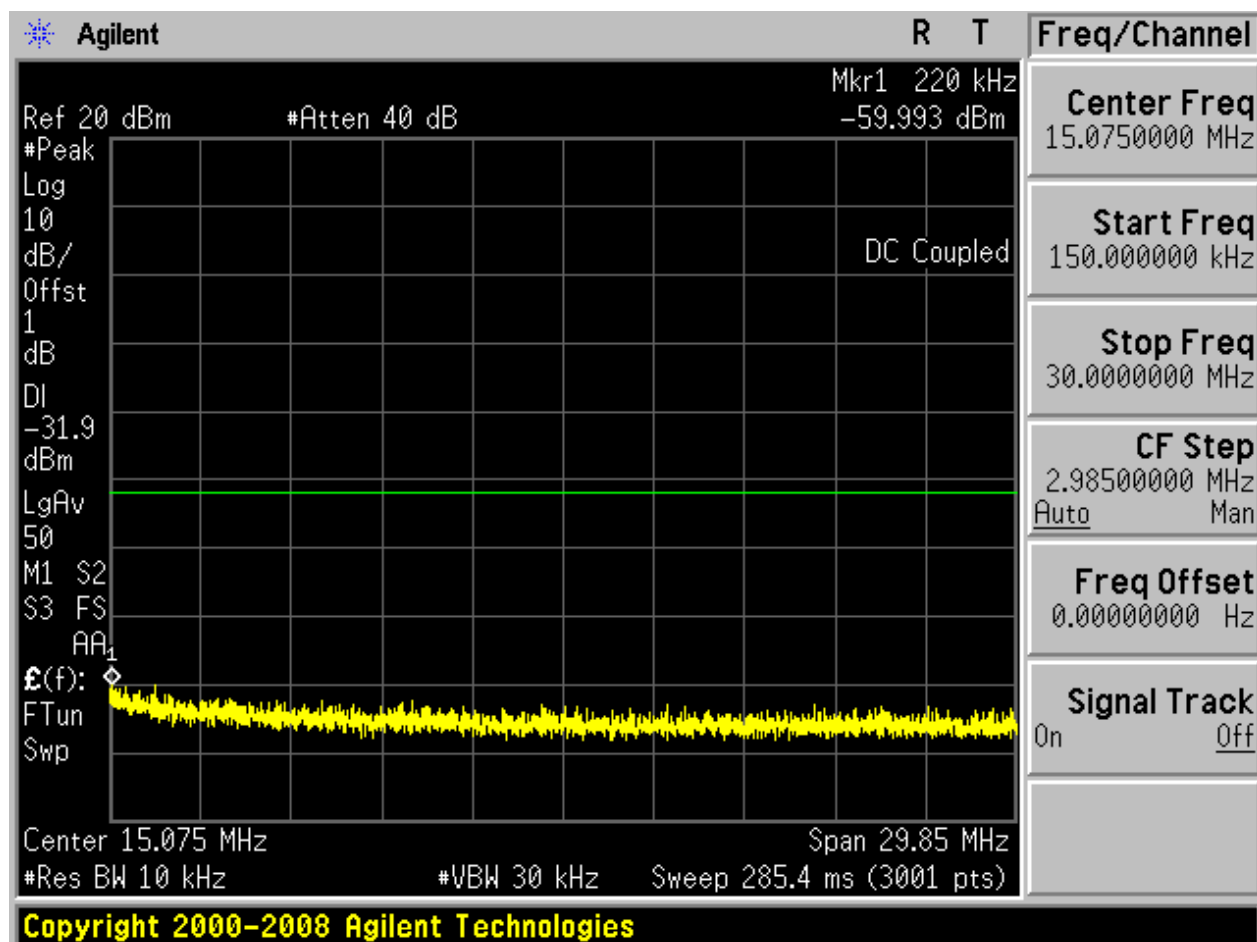
Pref:

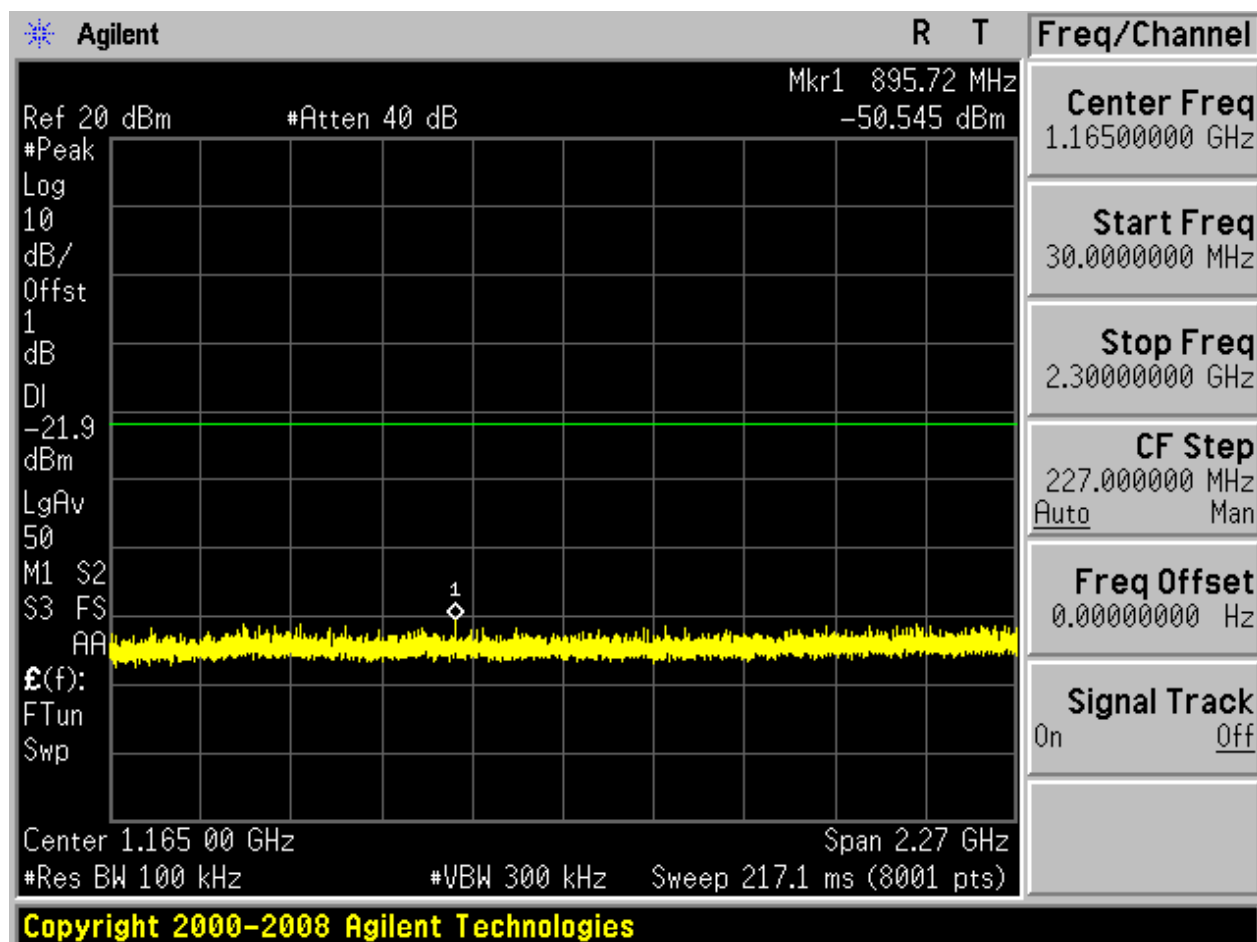


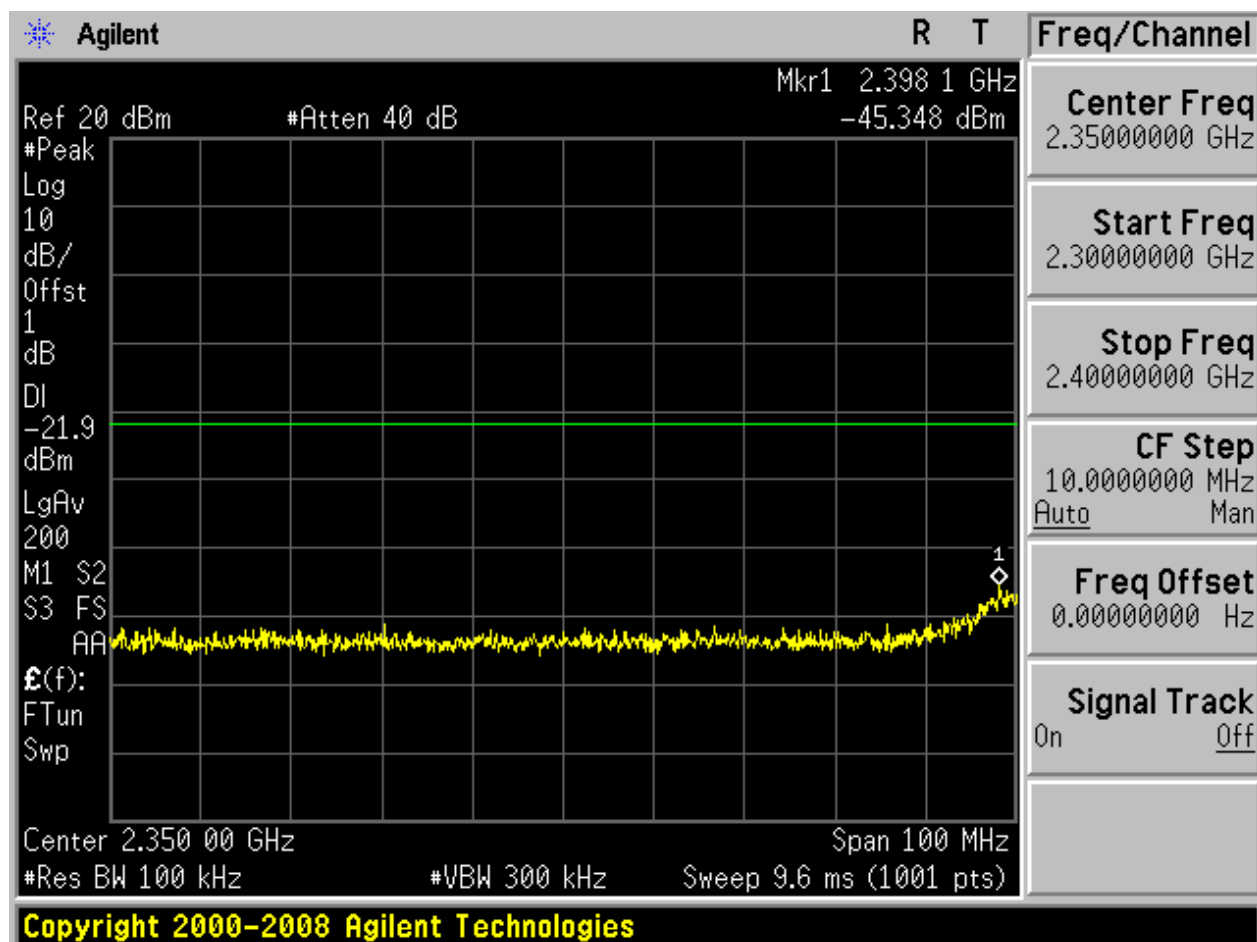


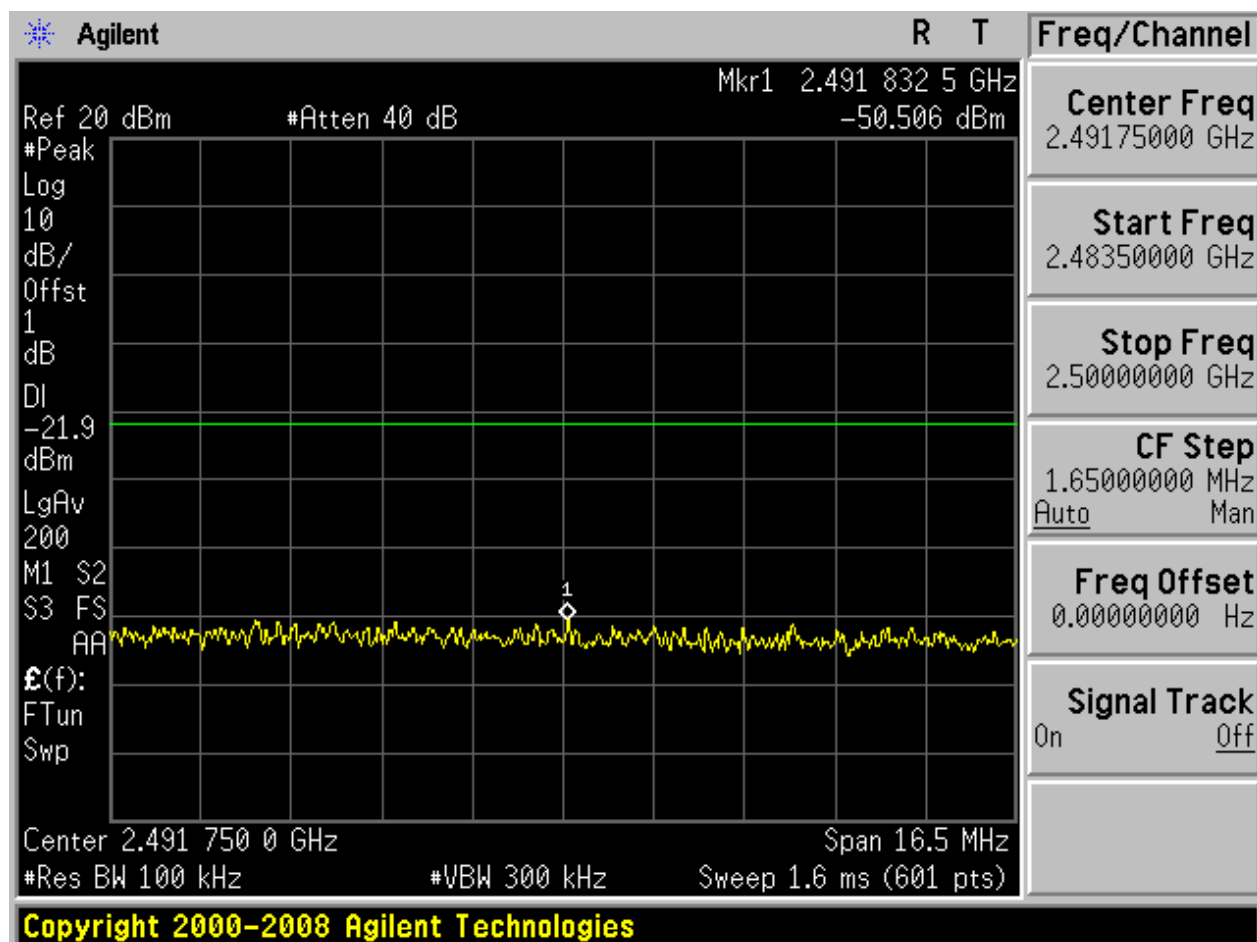
Puw:

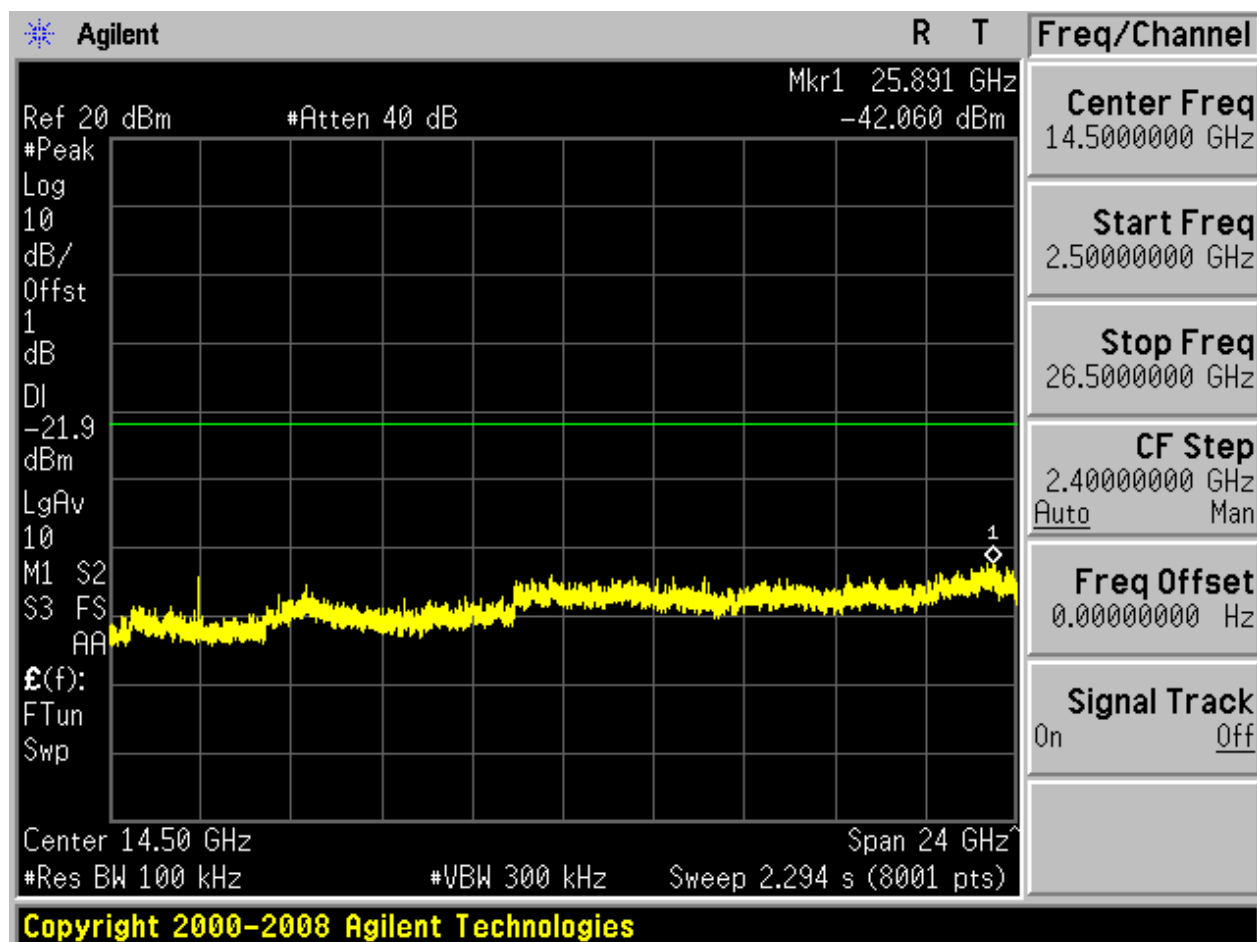








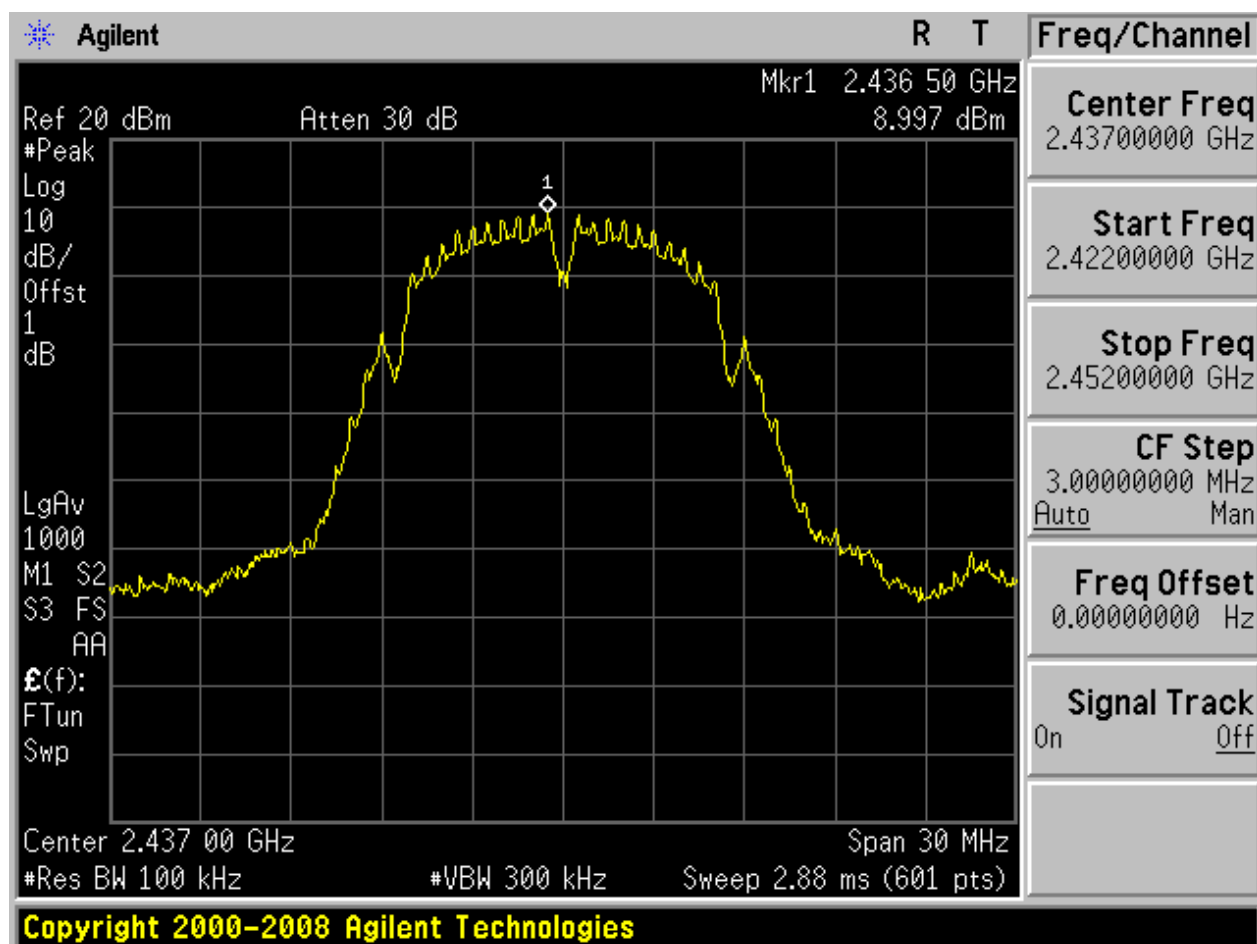






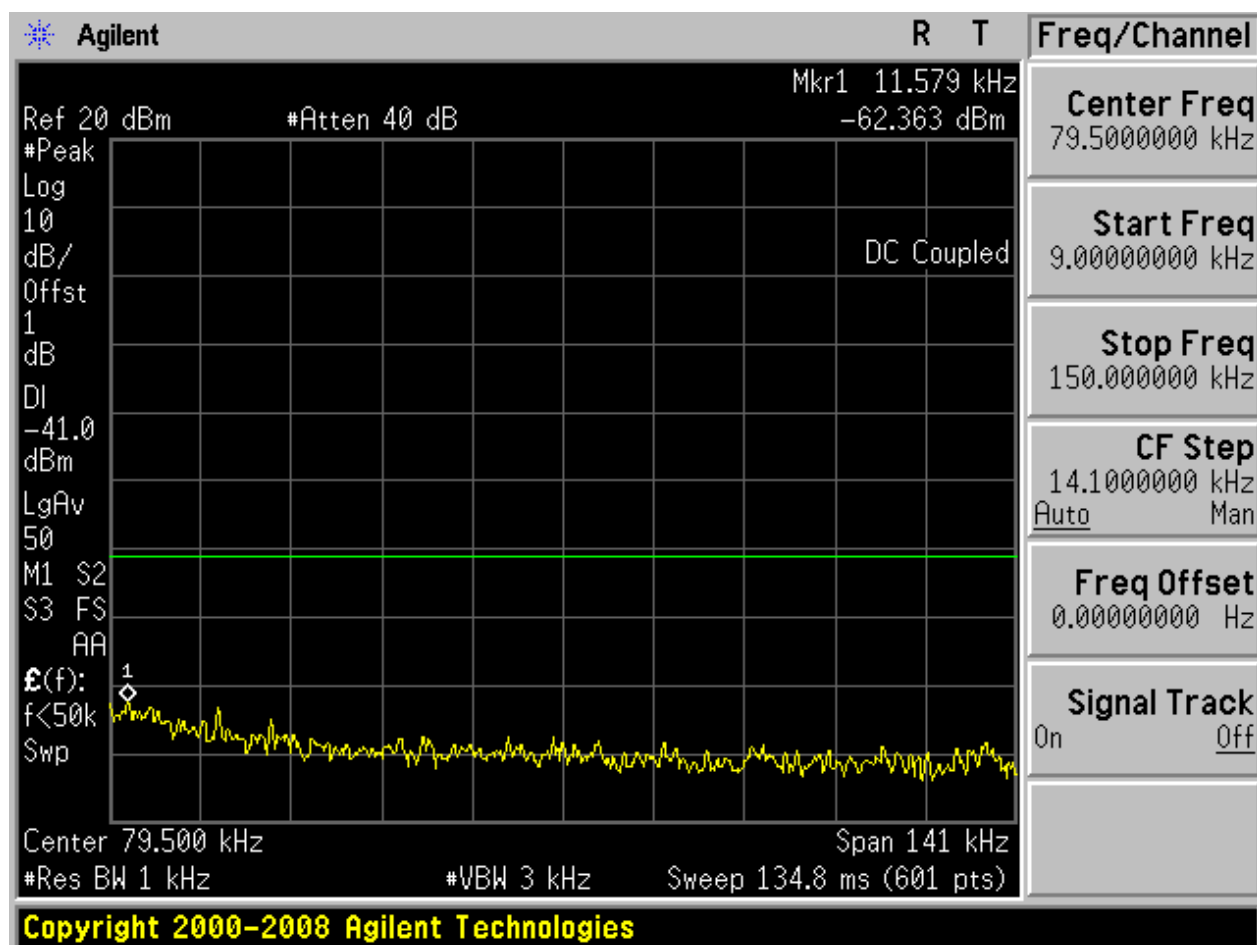
2.3 11B_M@Ant 1

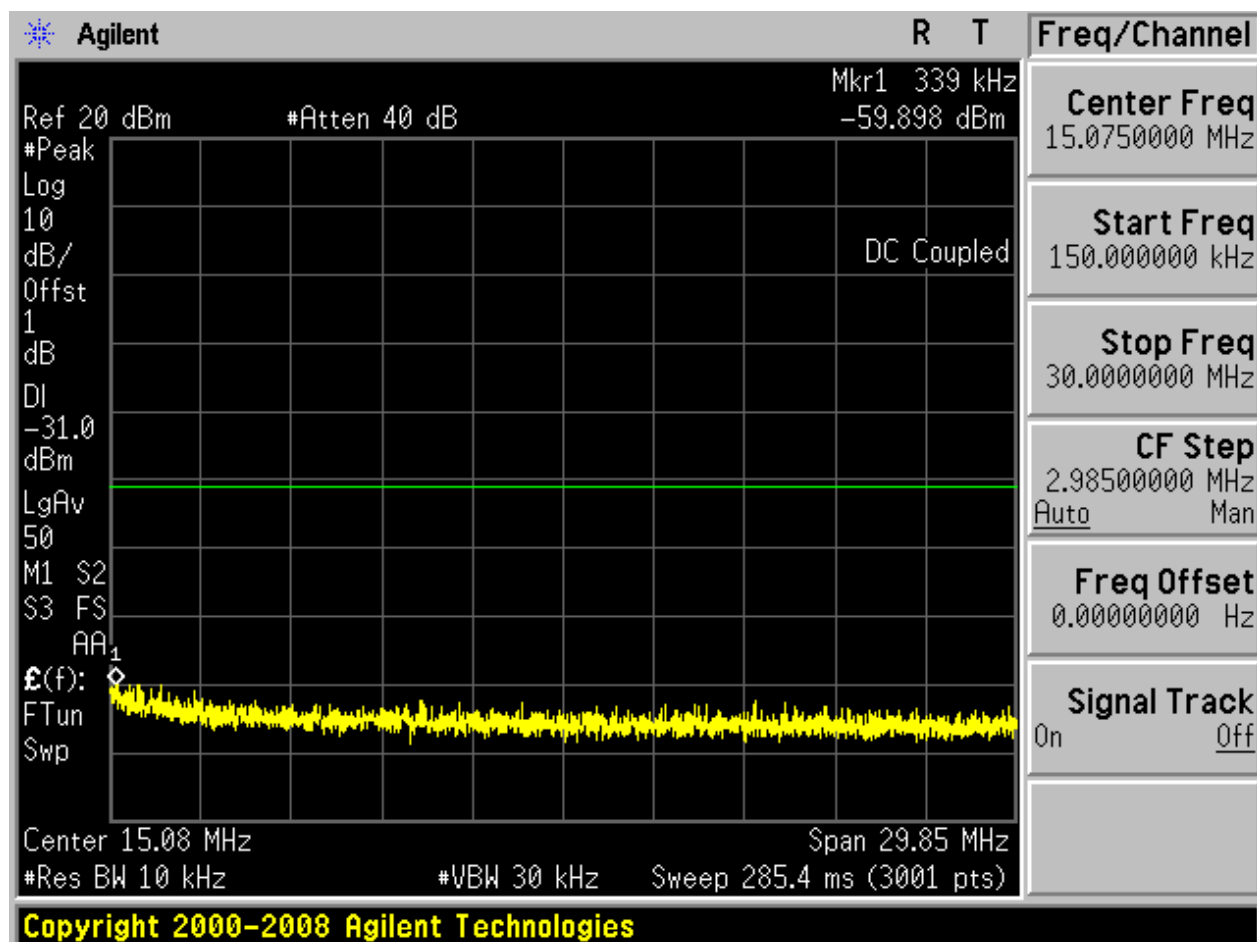
Pref:

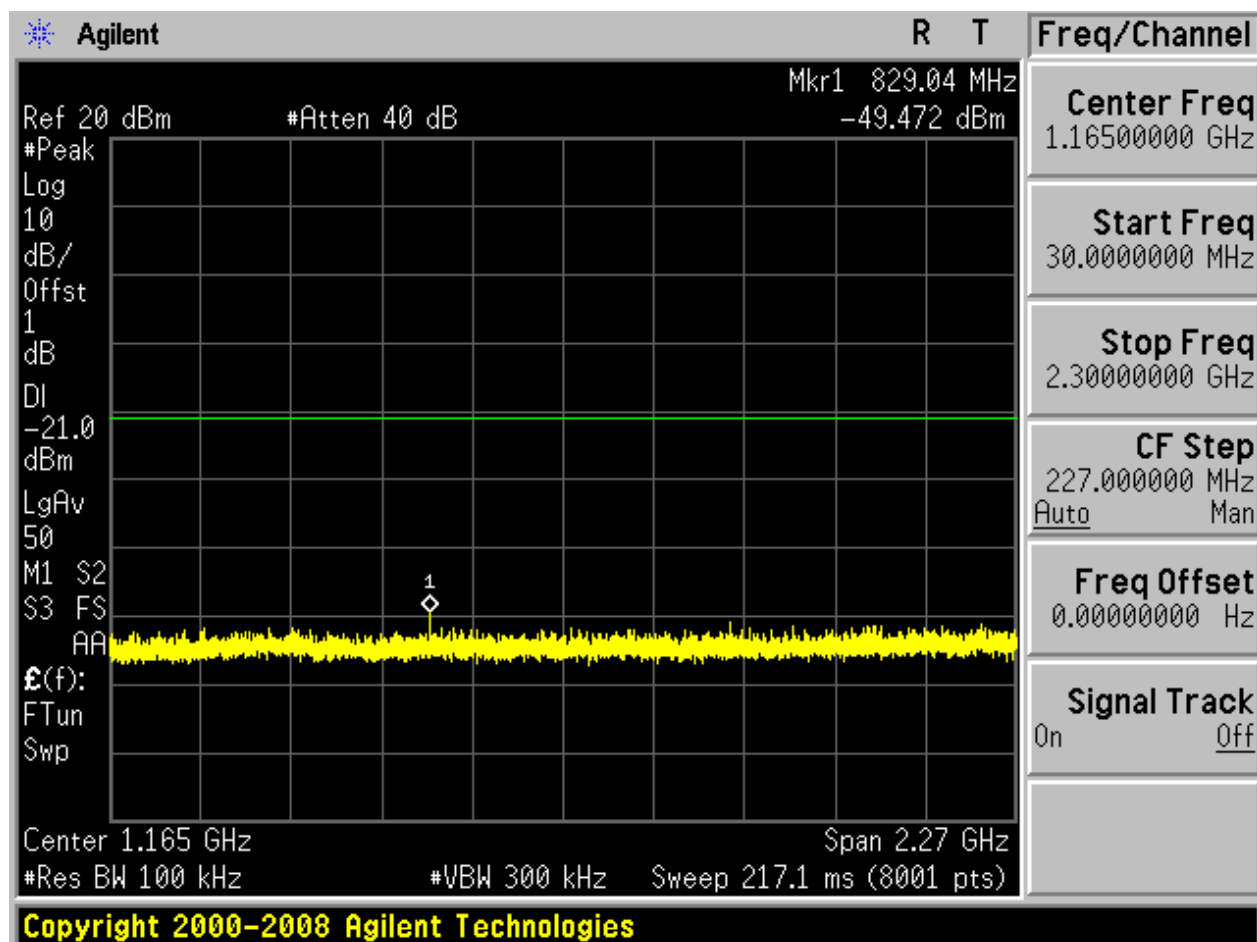


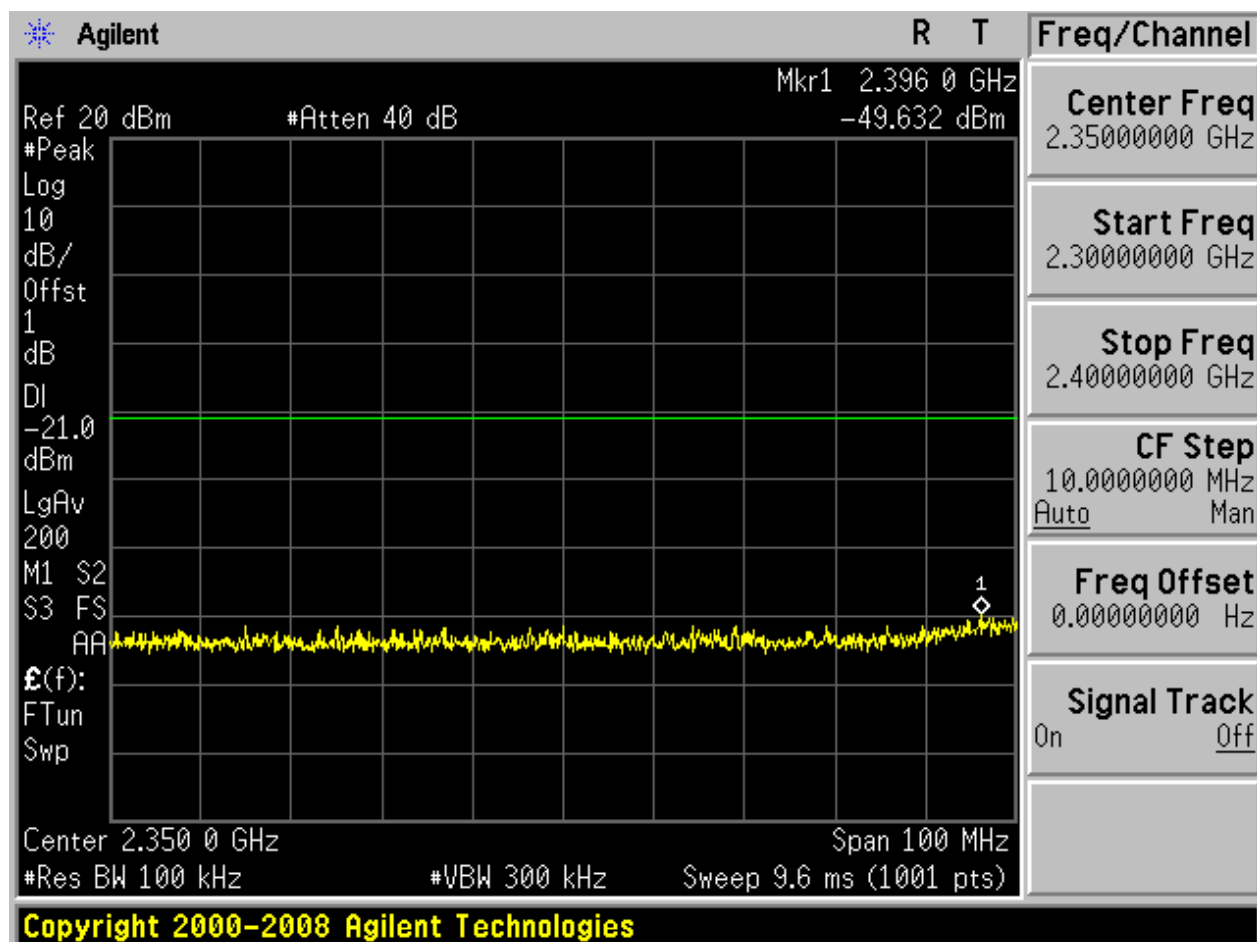


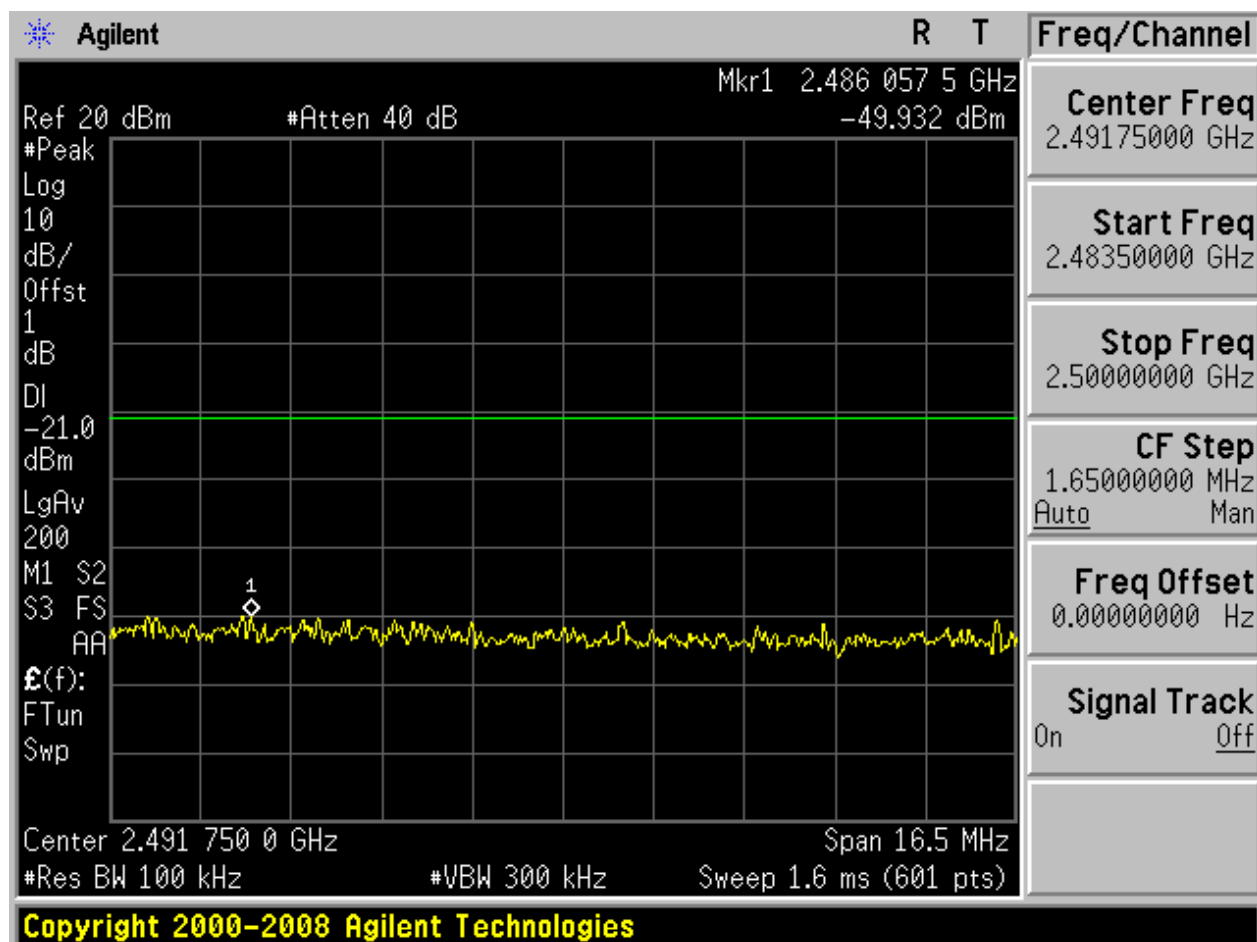
Puw:

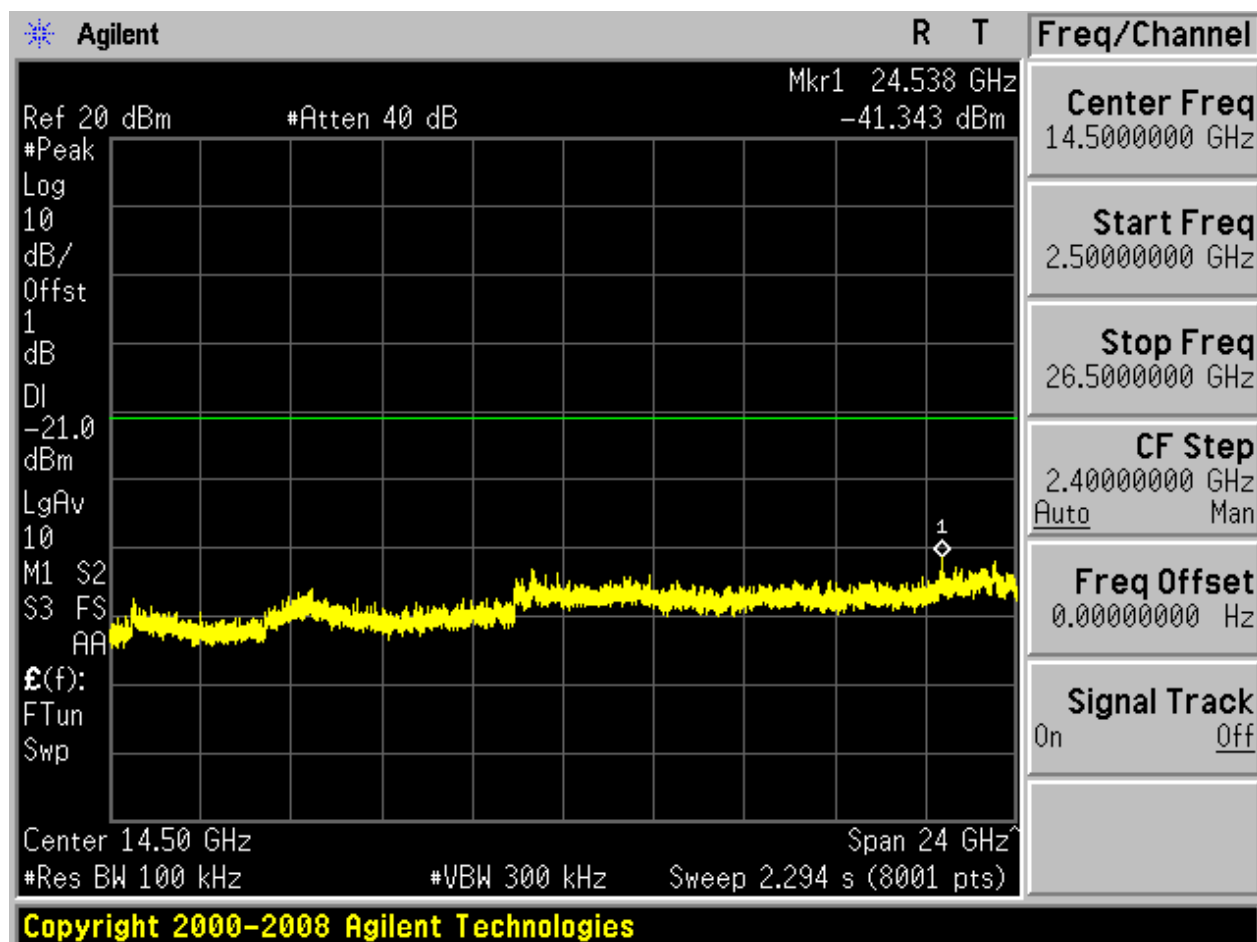






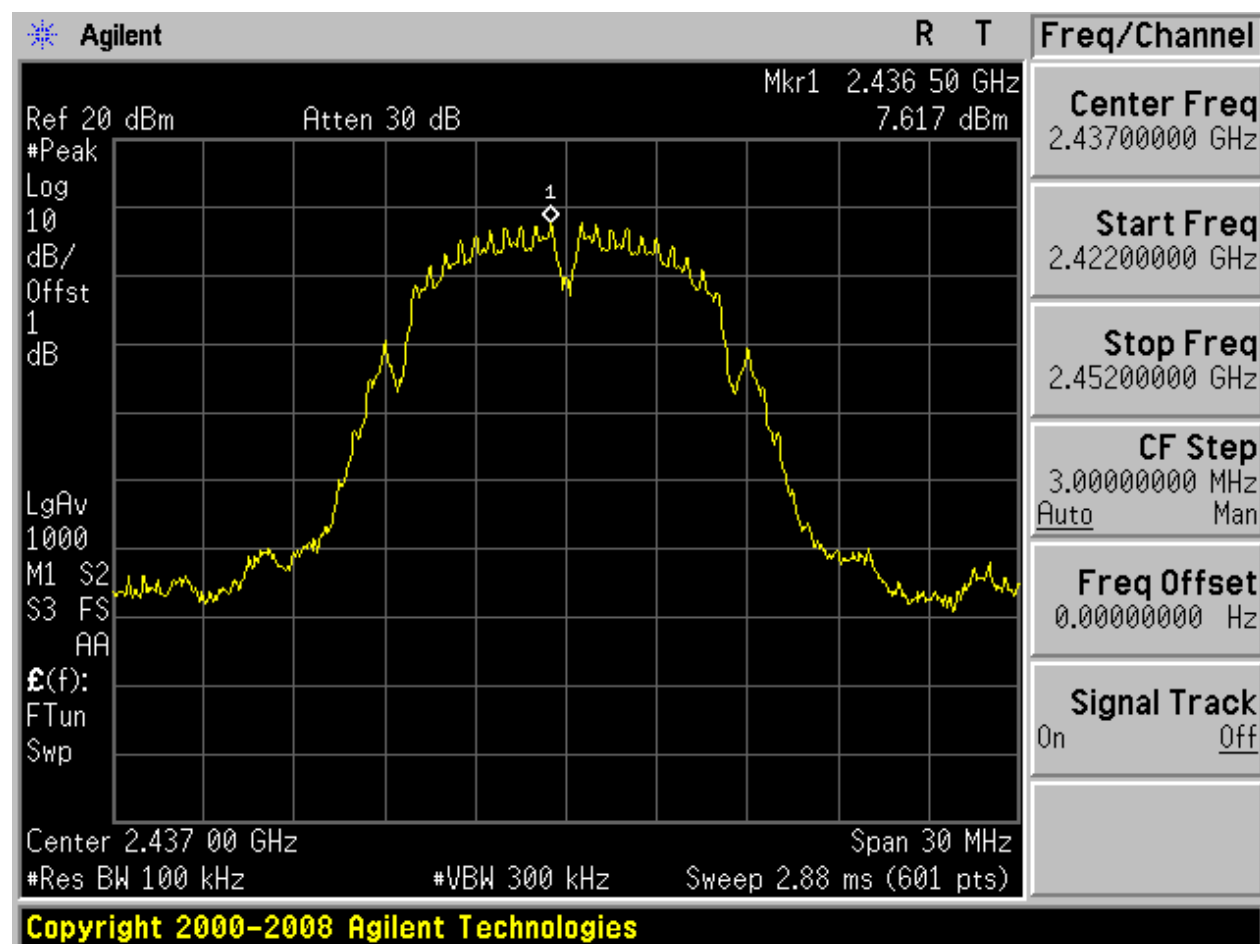






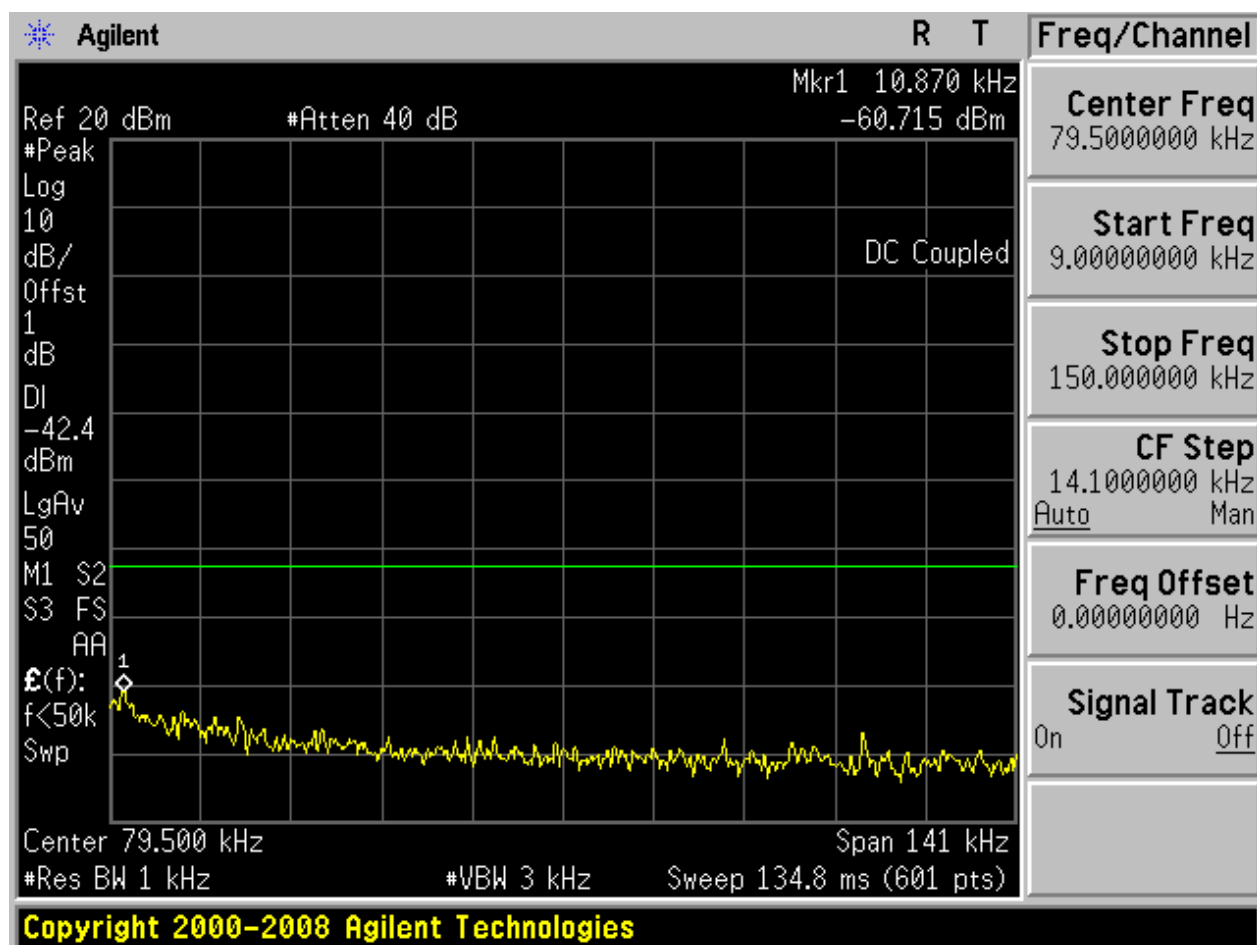
2.4 11B_M@Ant 2

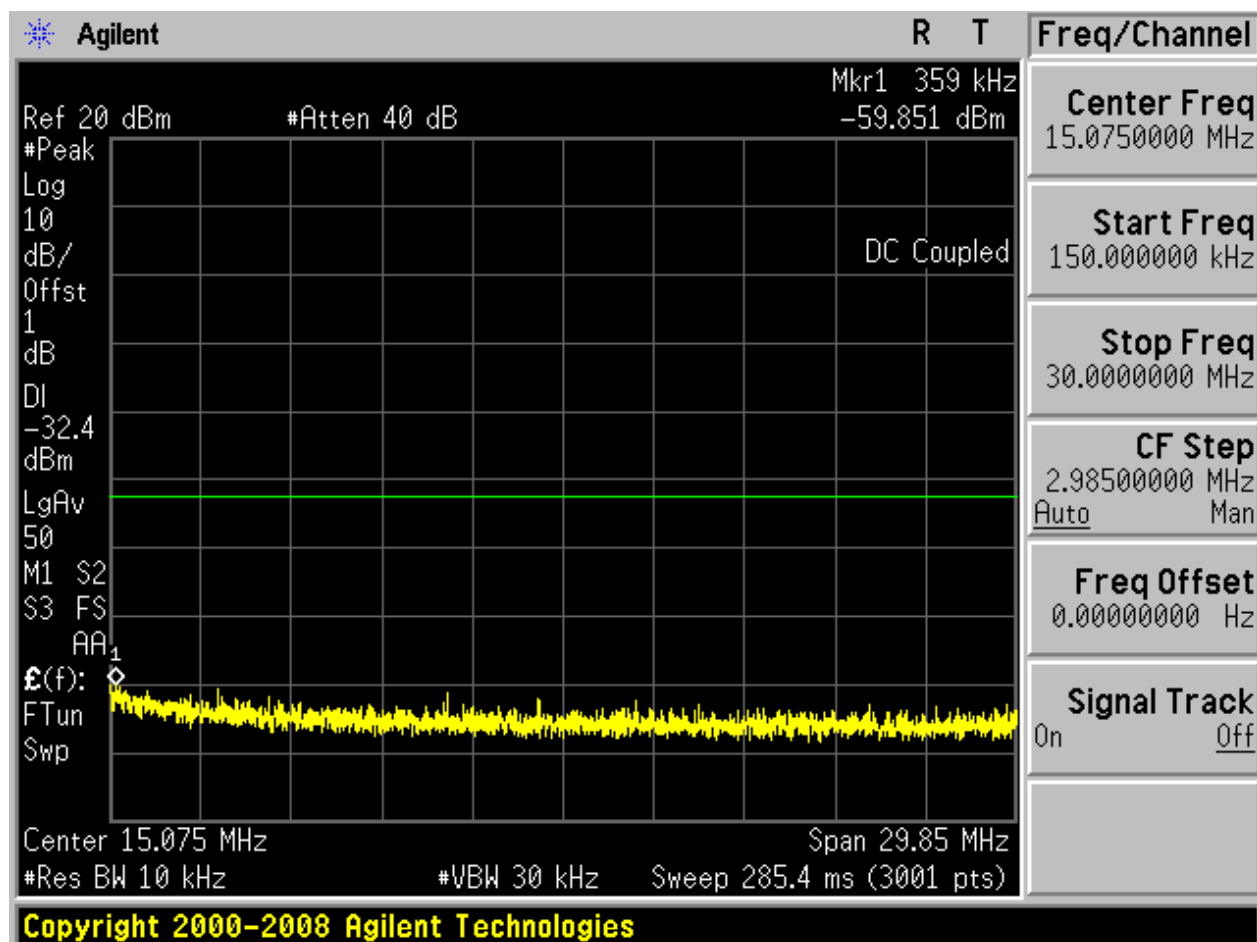
Pref:

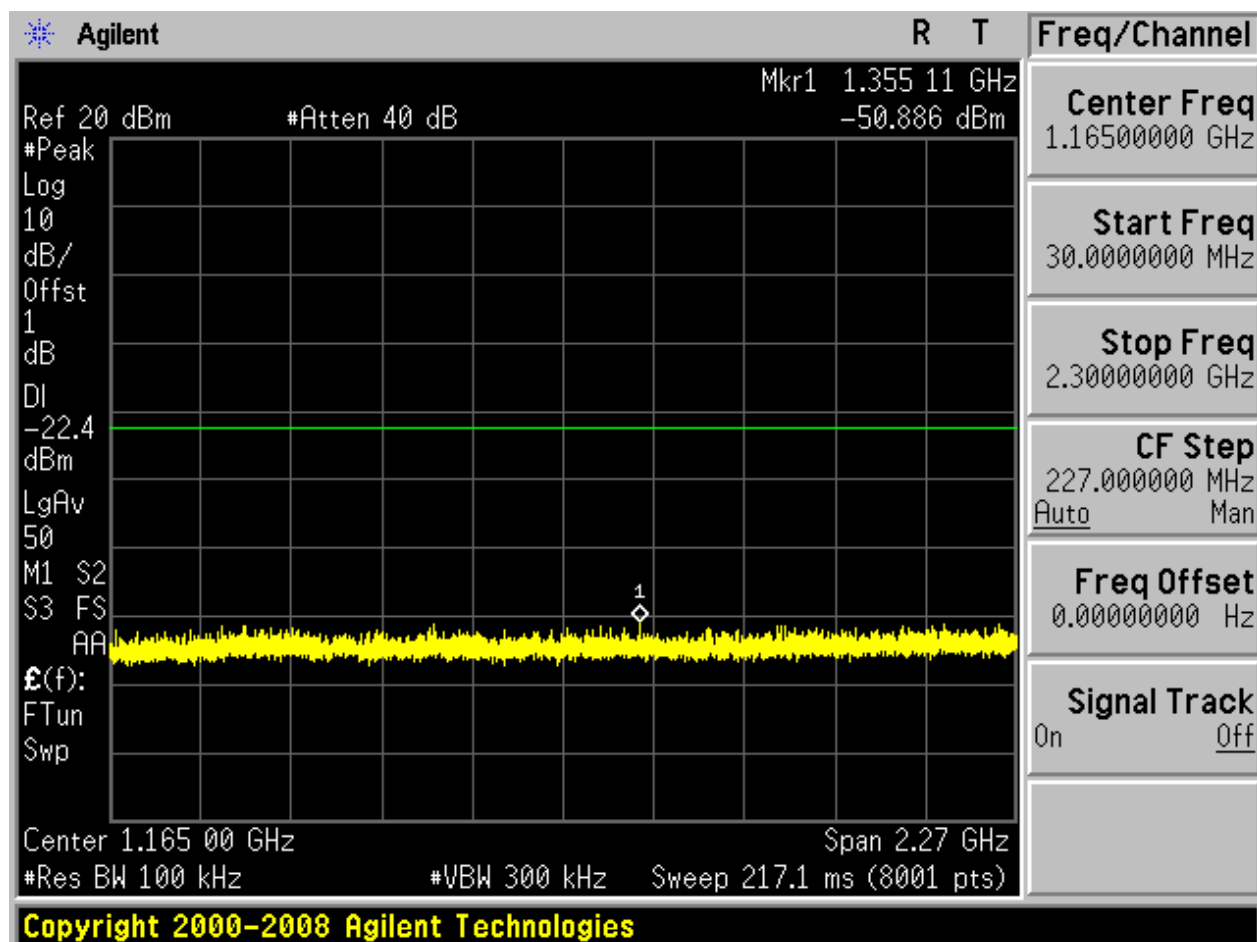


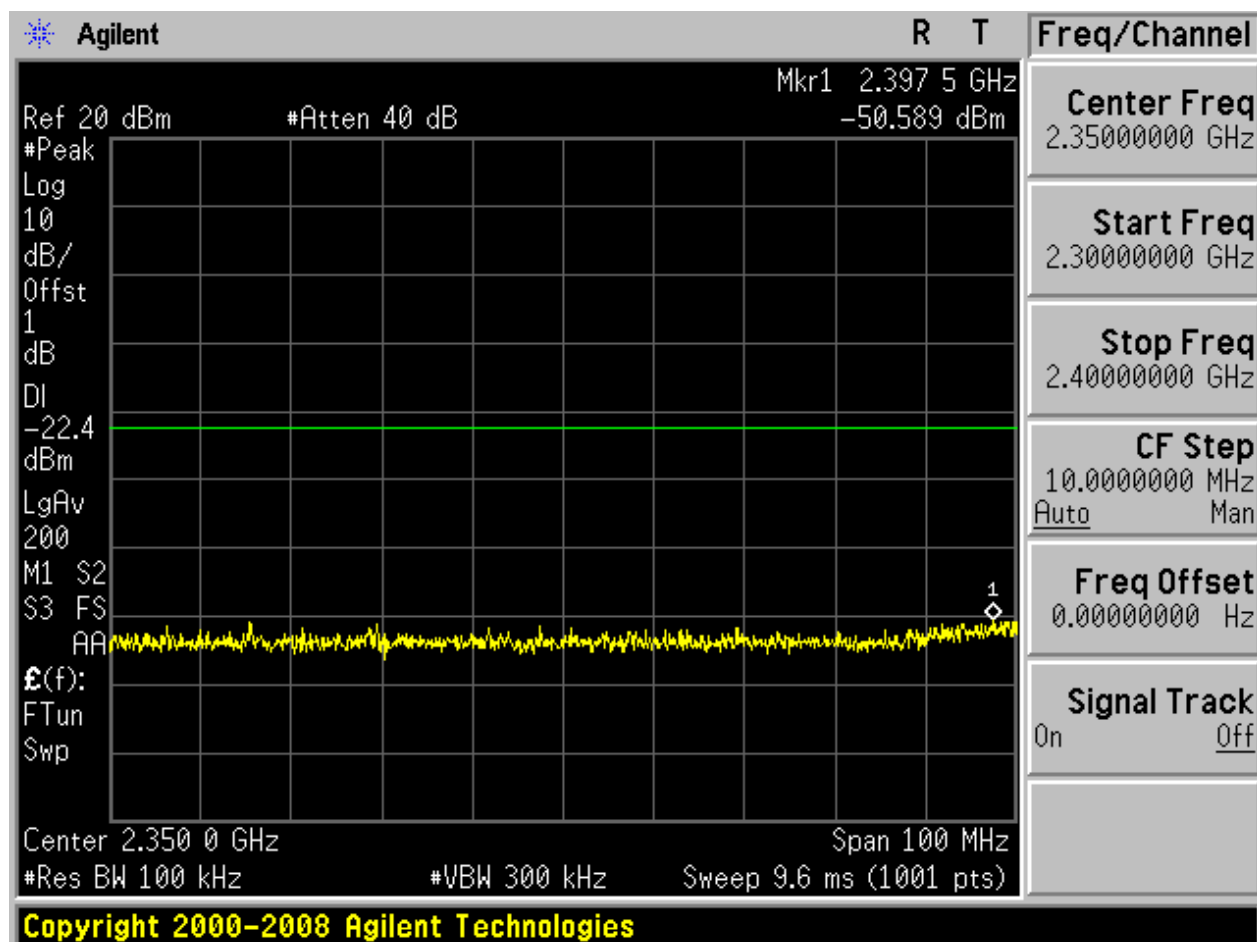


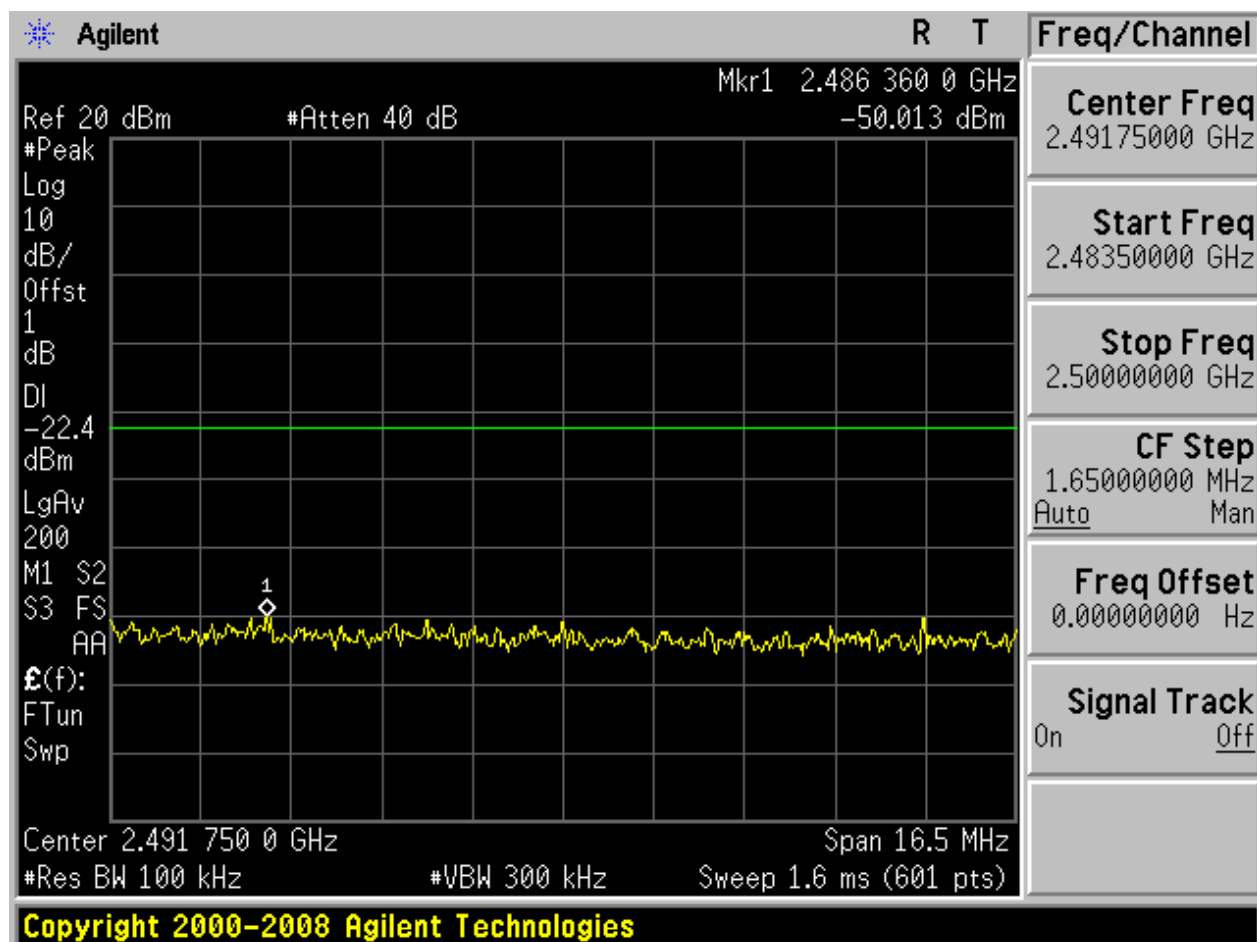
Puw:

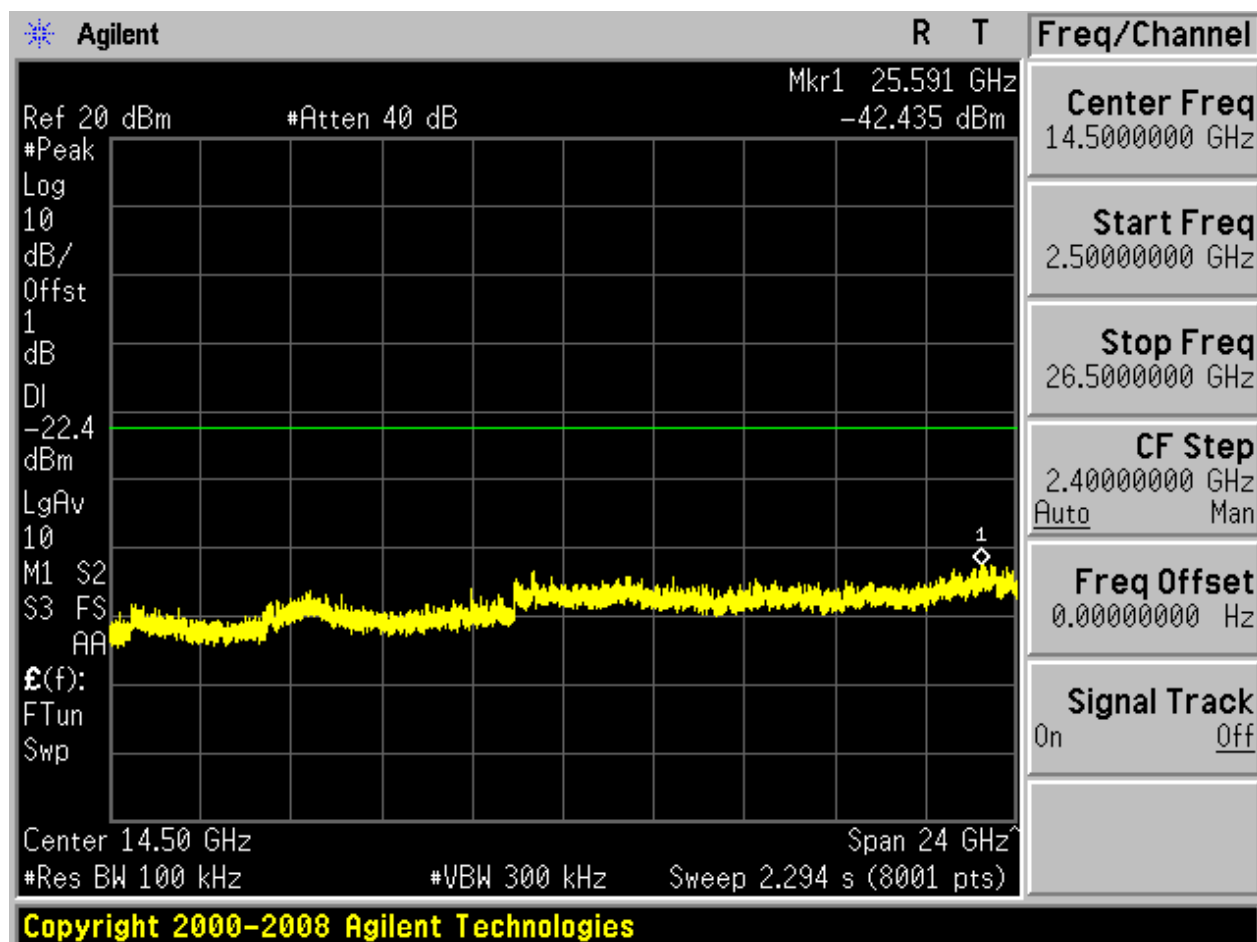






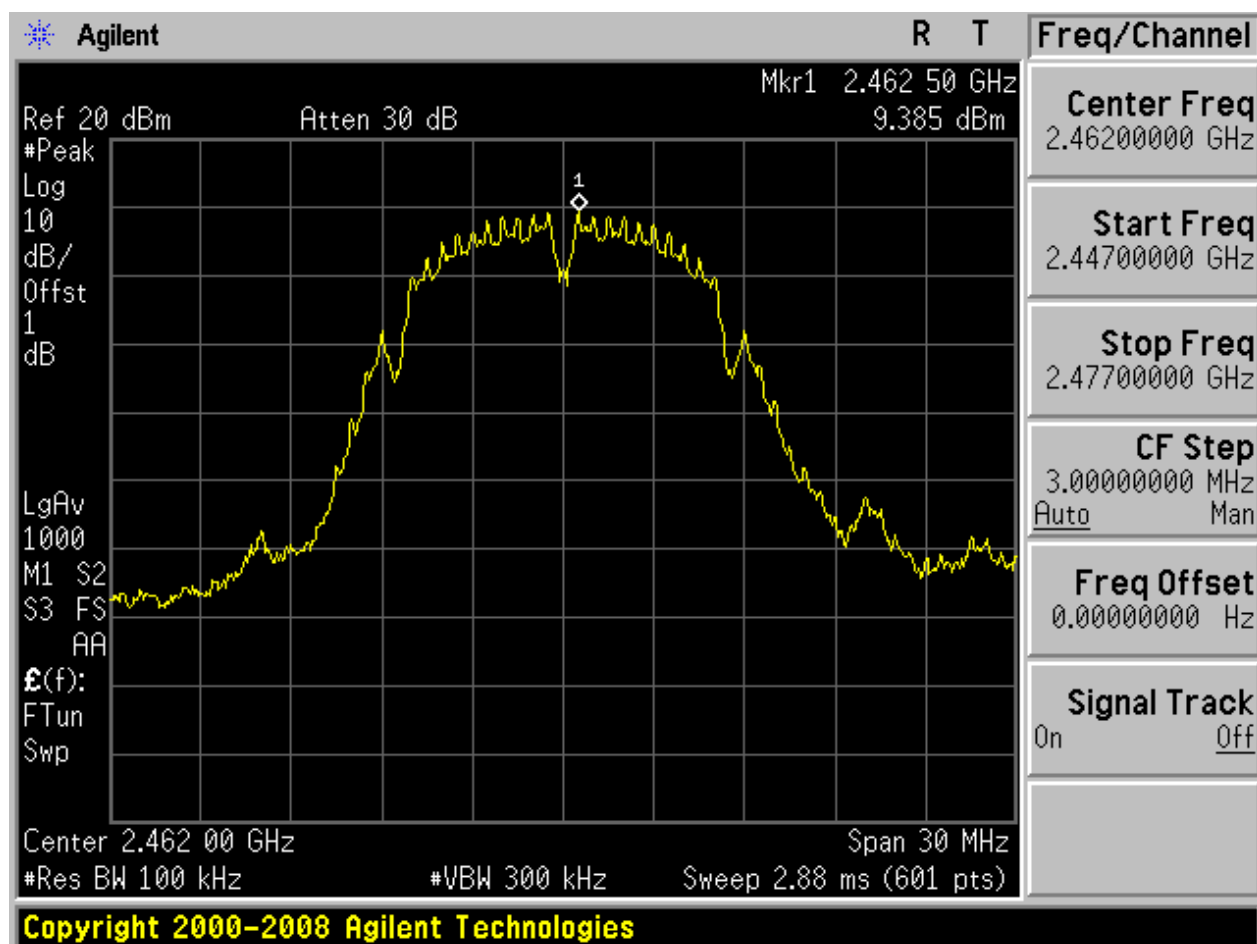






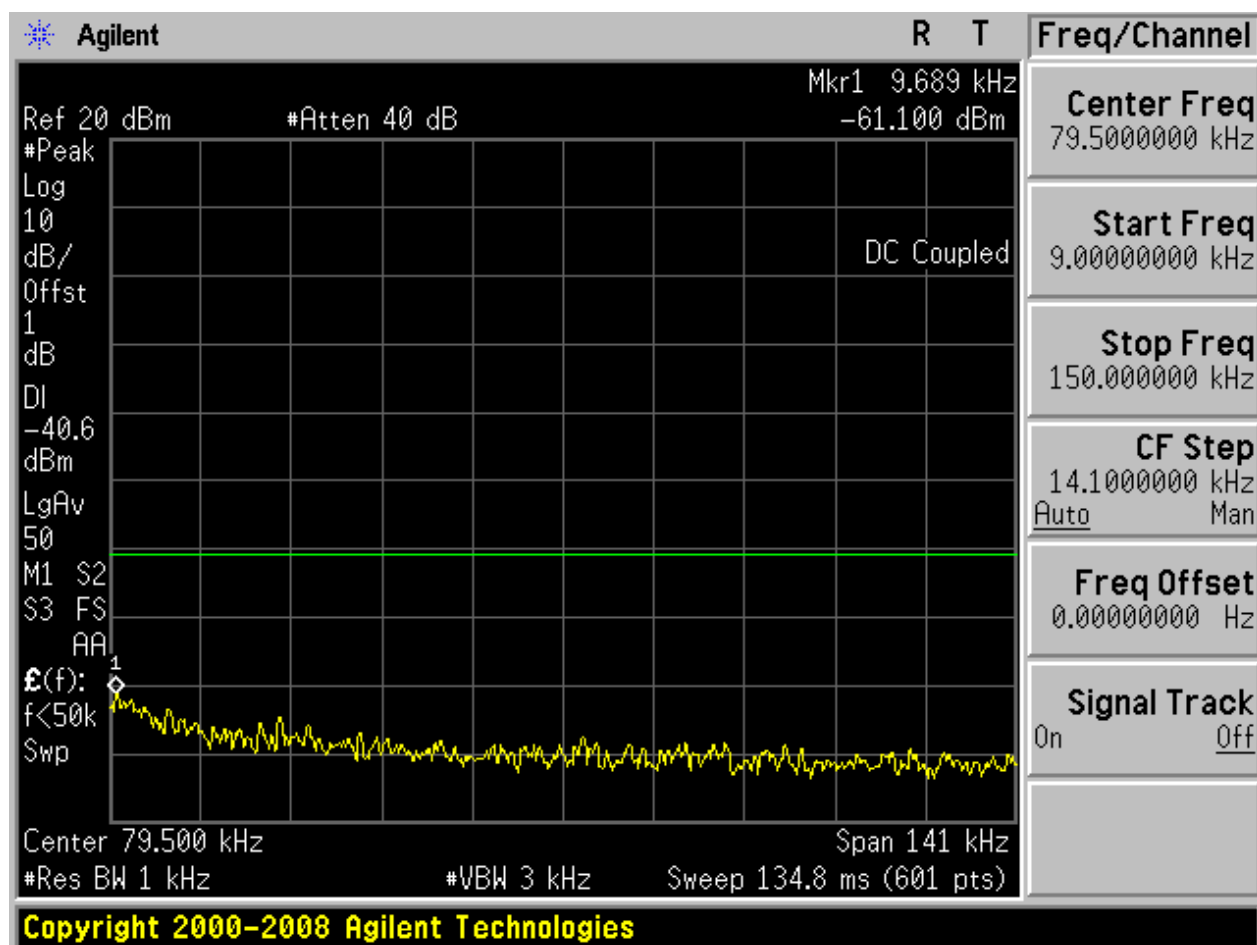
2.5 11B_H@Ant 1

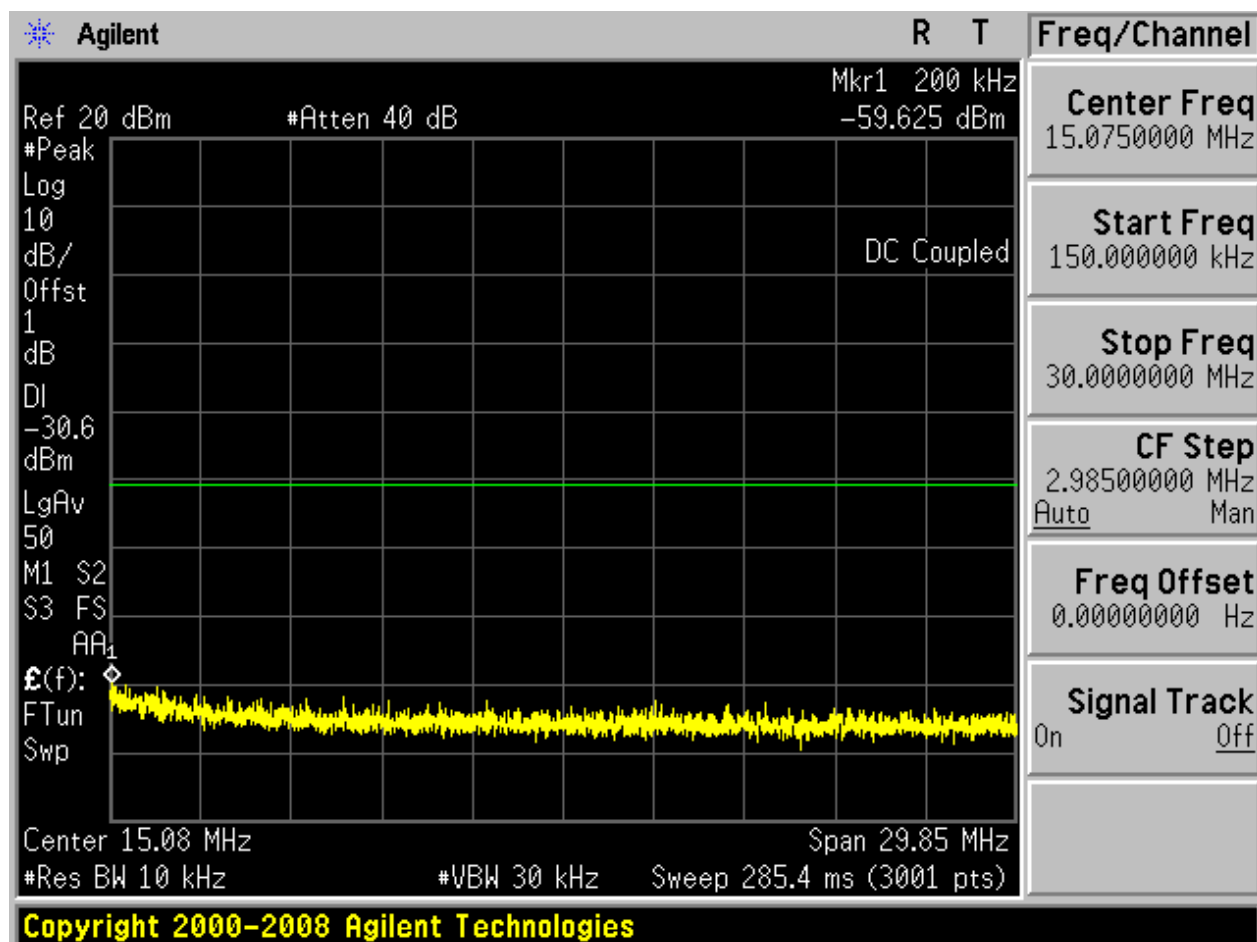
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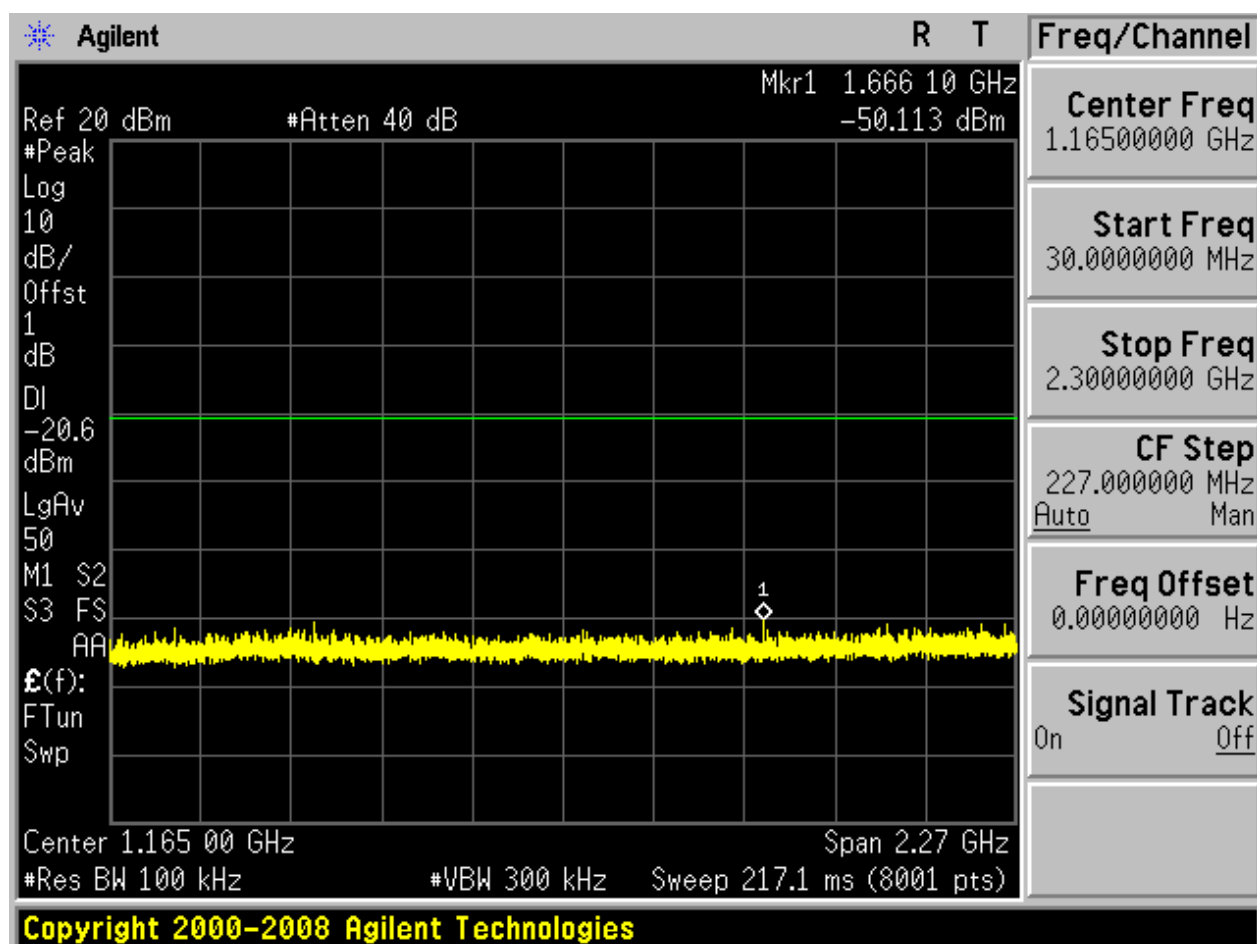


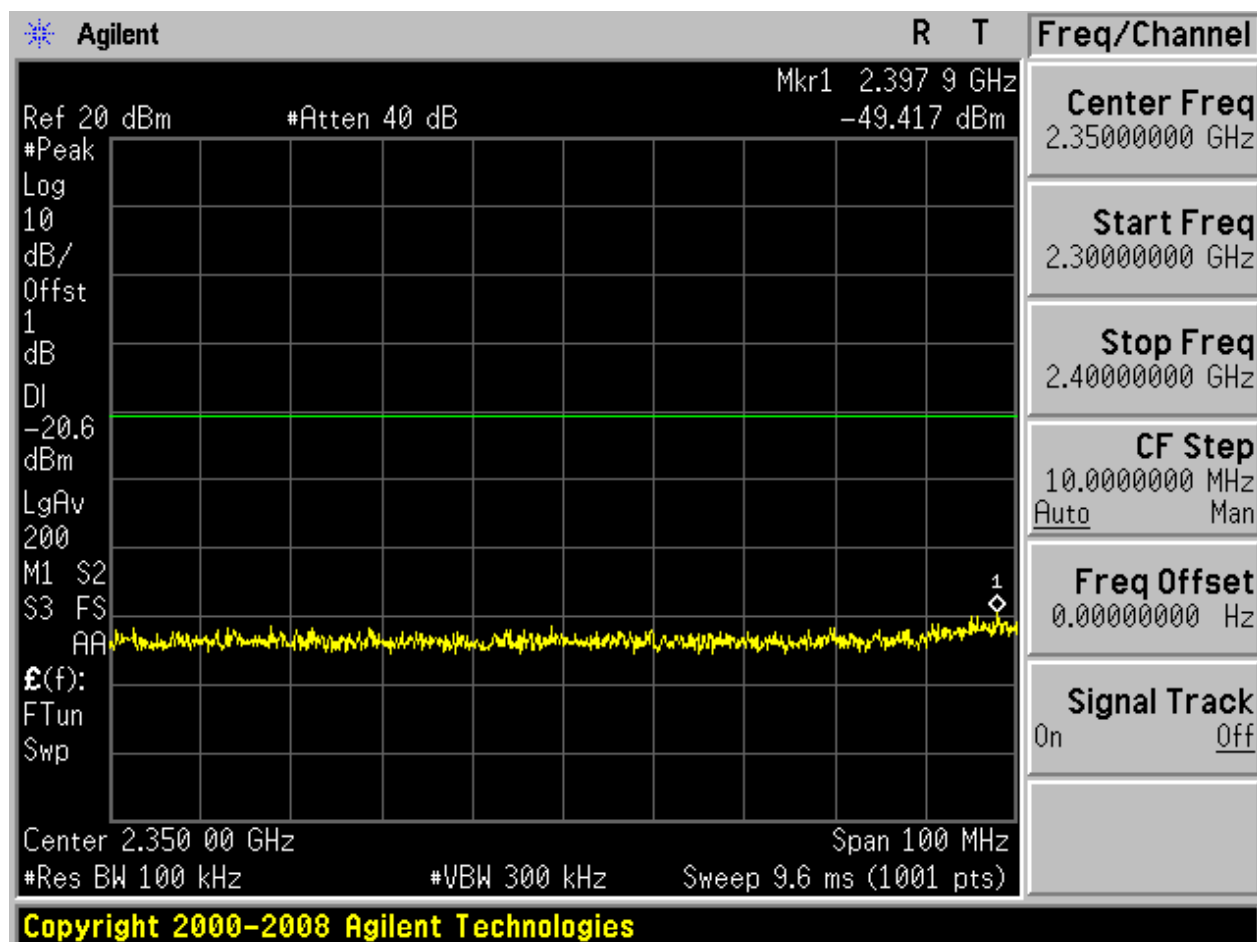


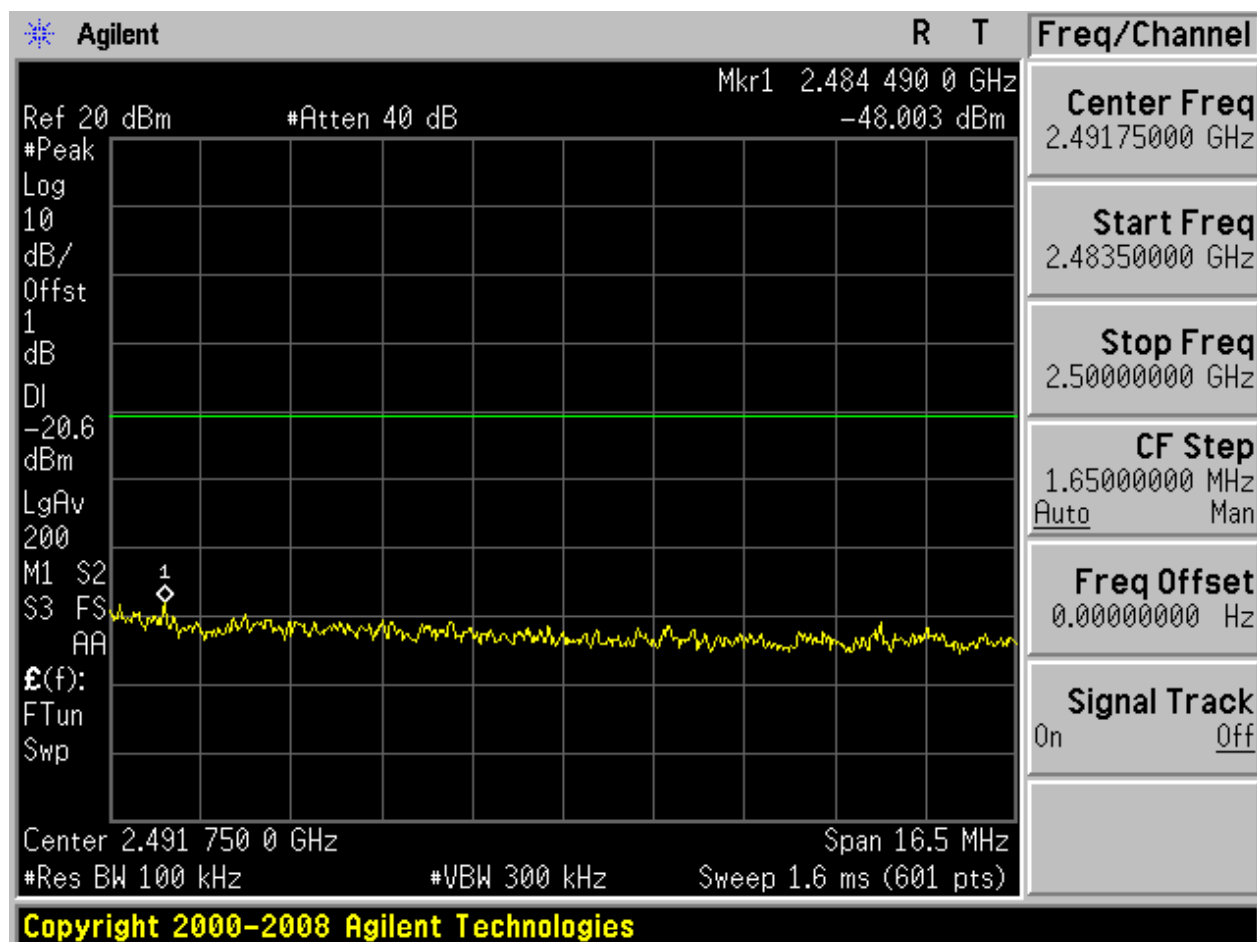
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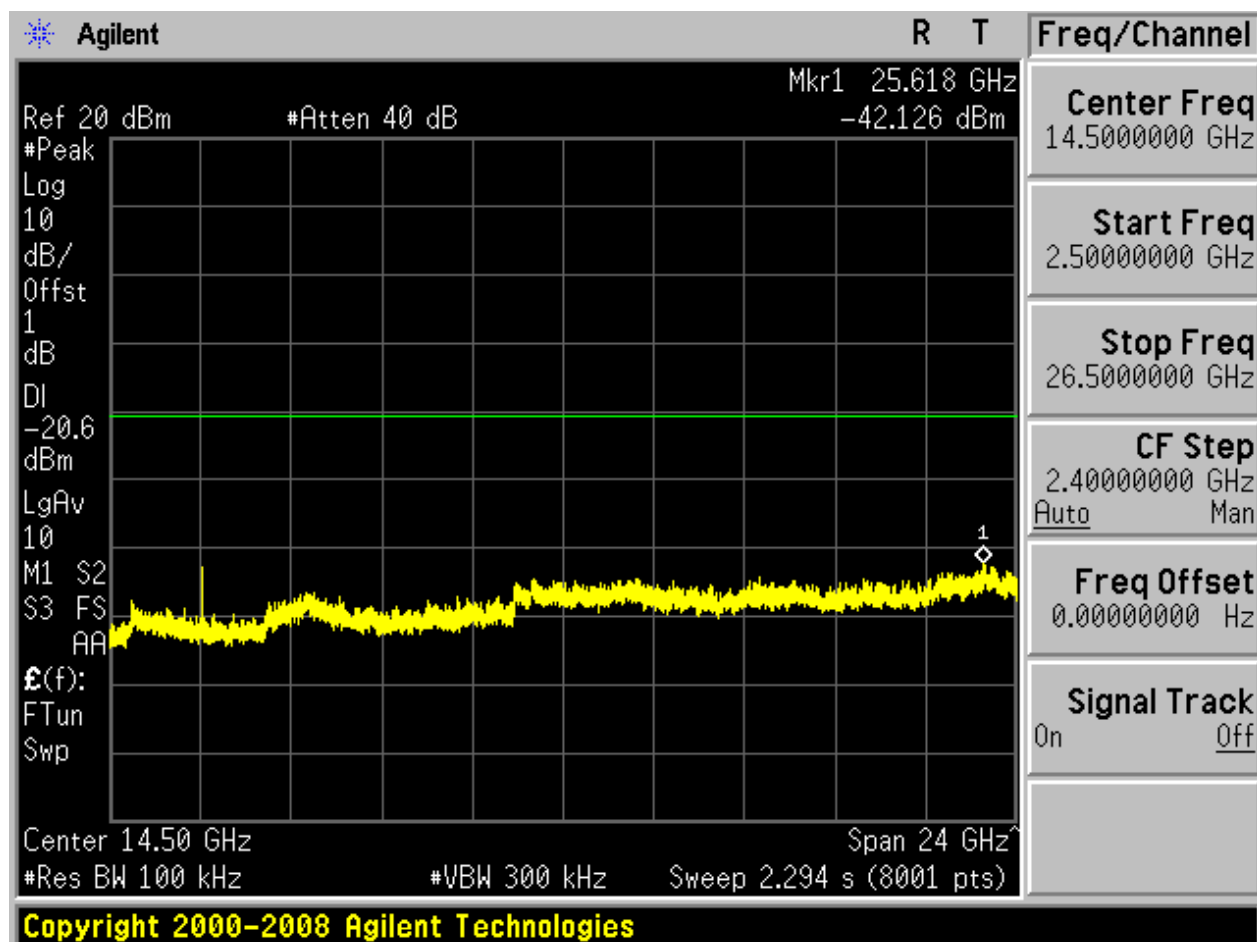








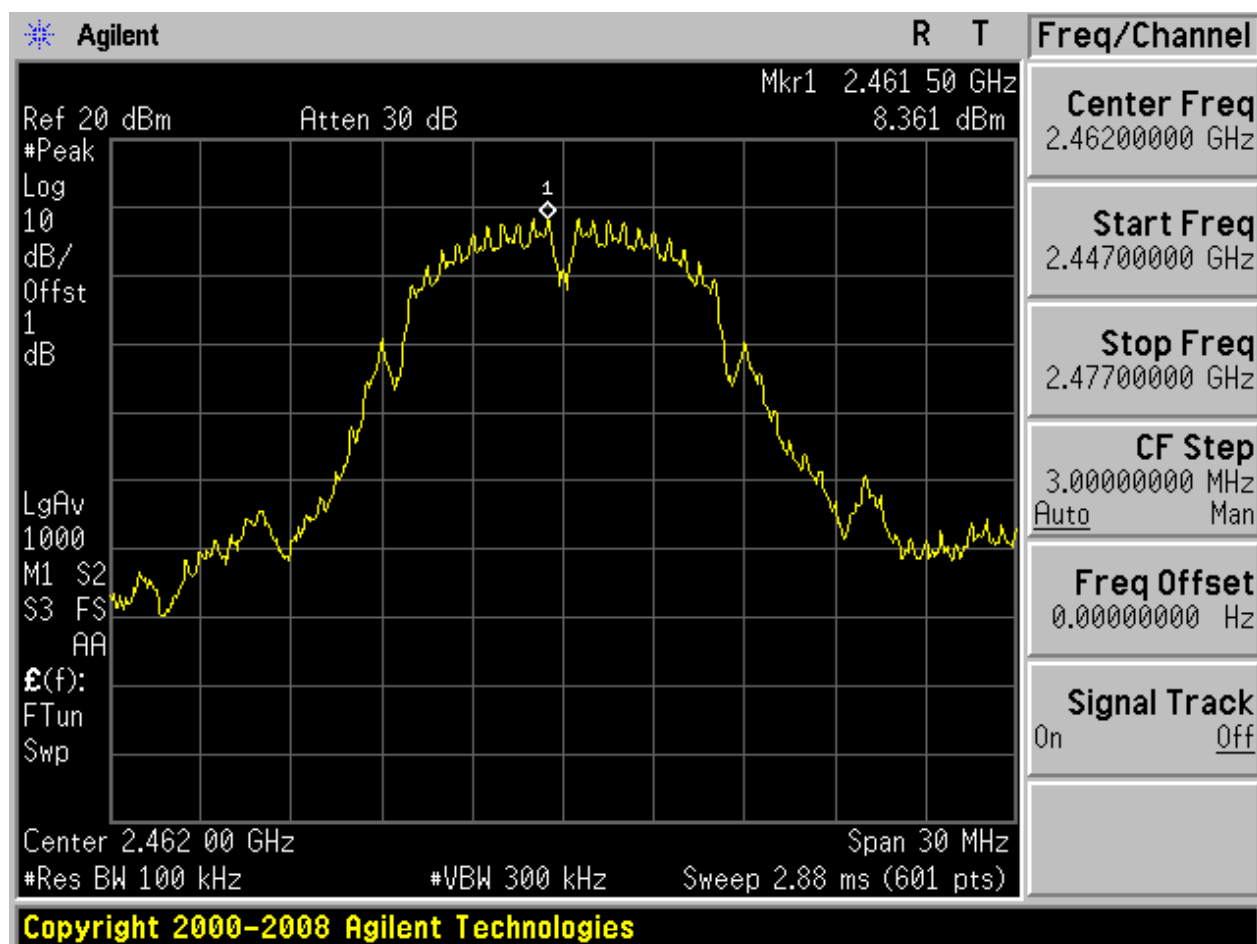






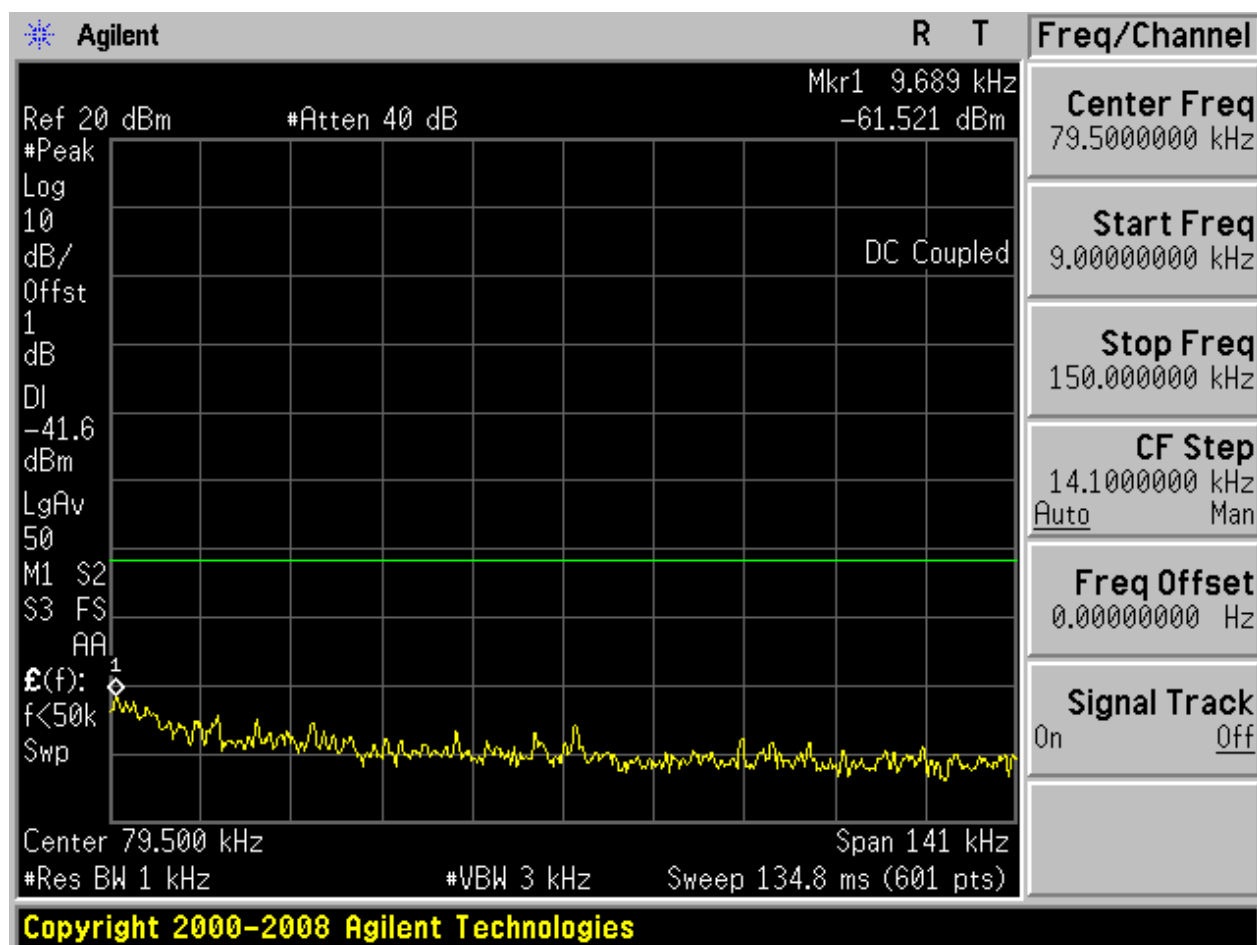
2.6 11B_H@Ant 2

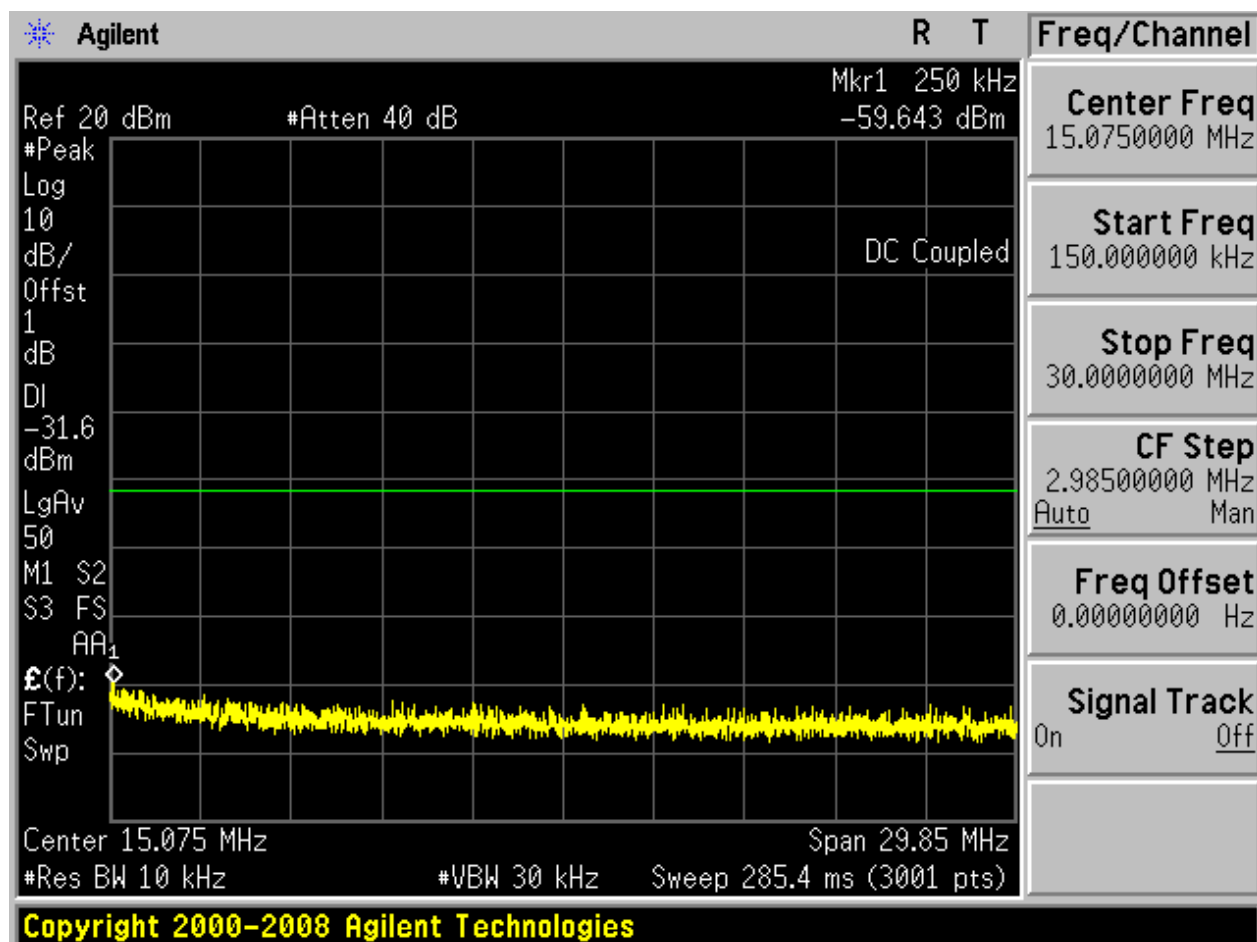
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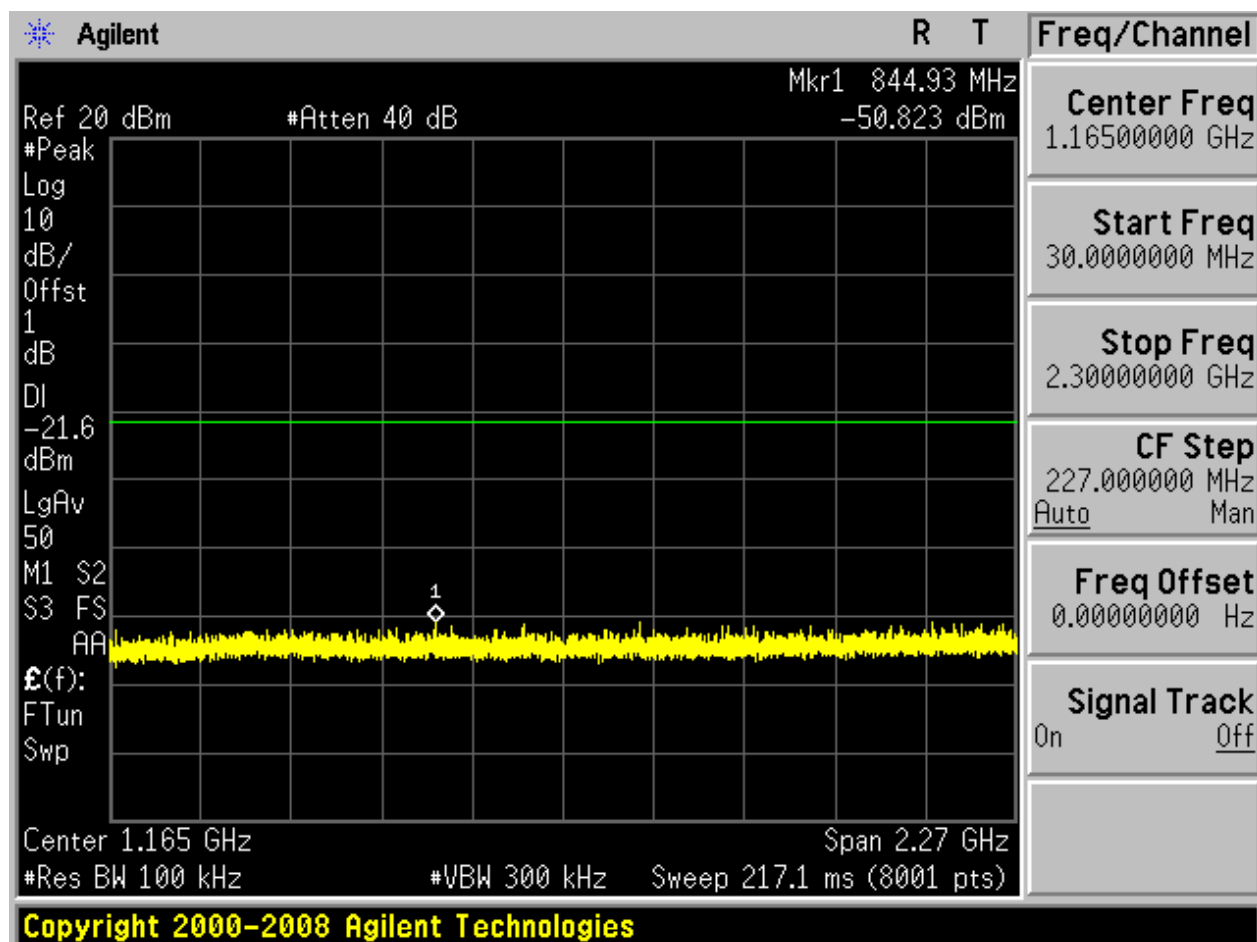


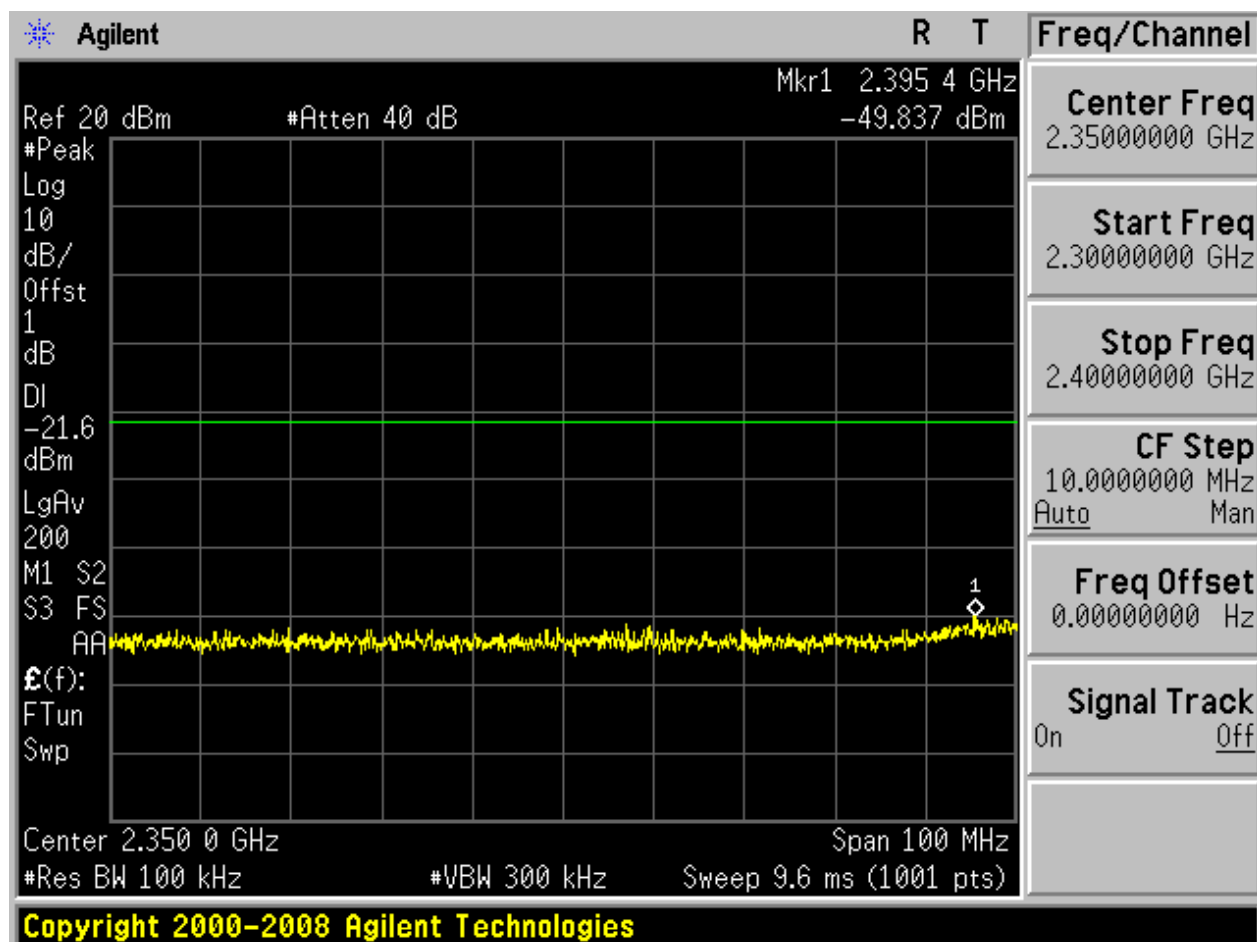


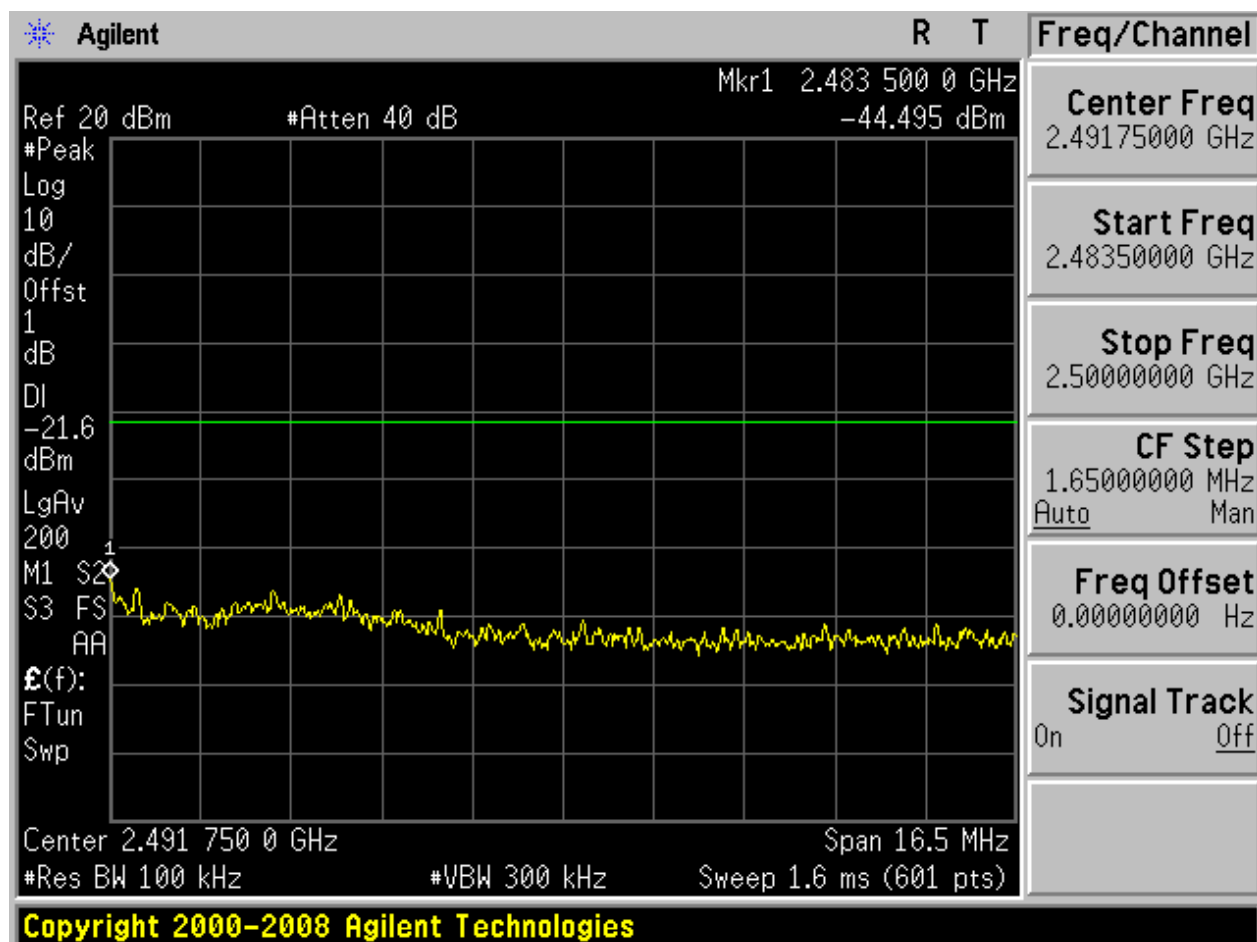
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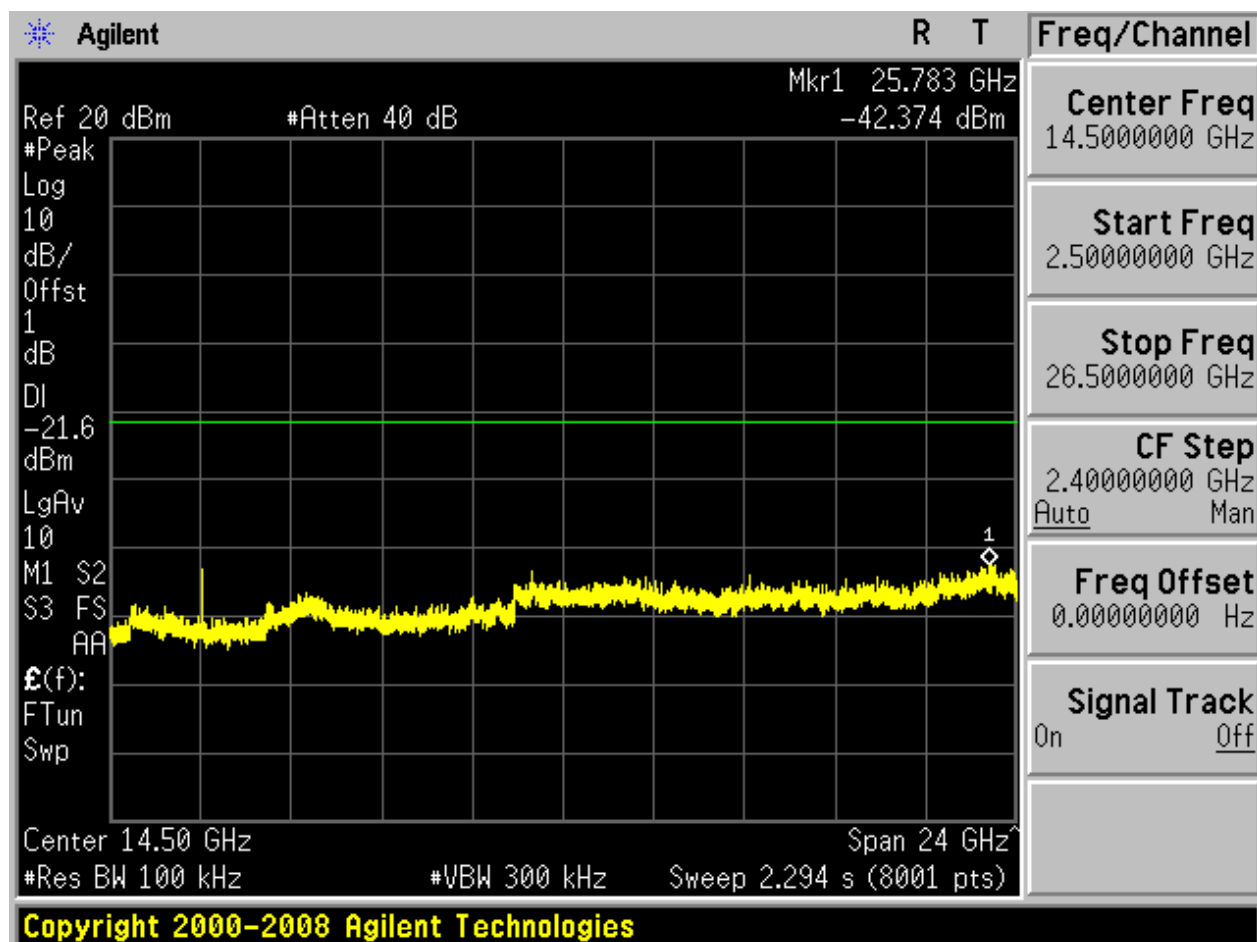








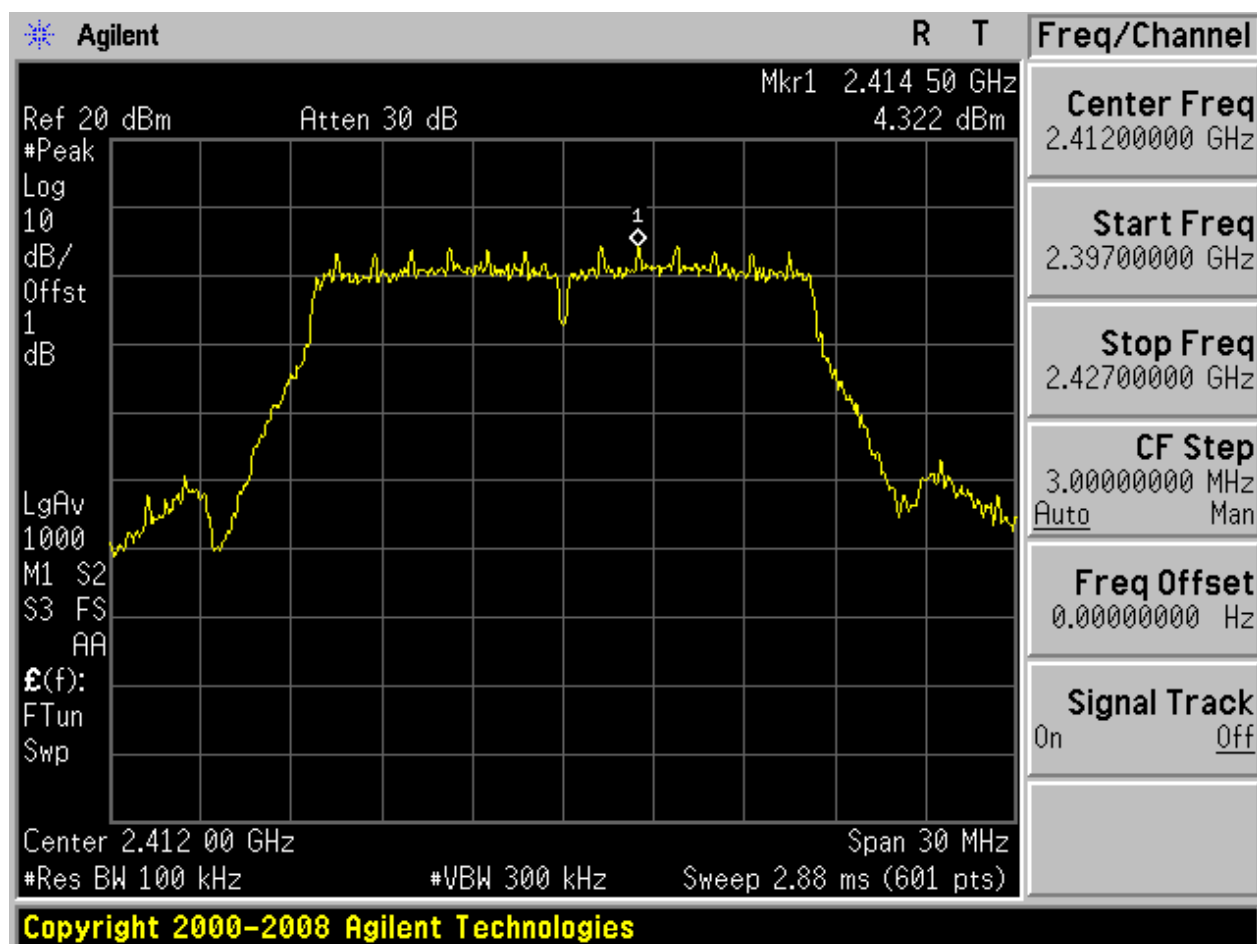






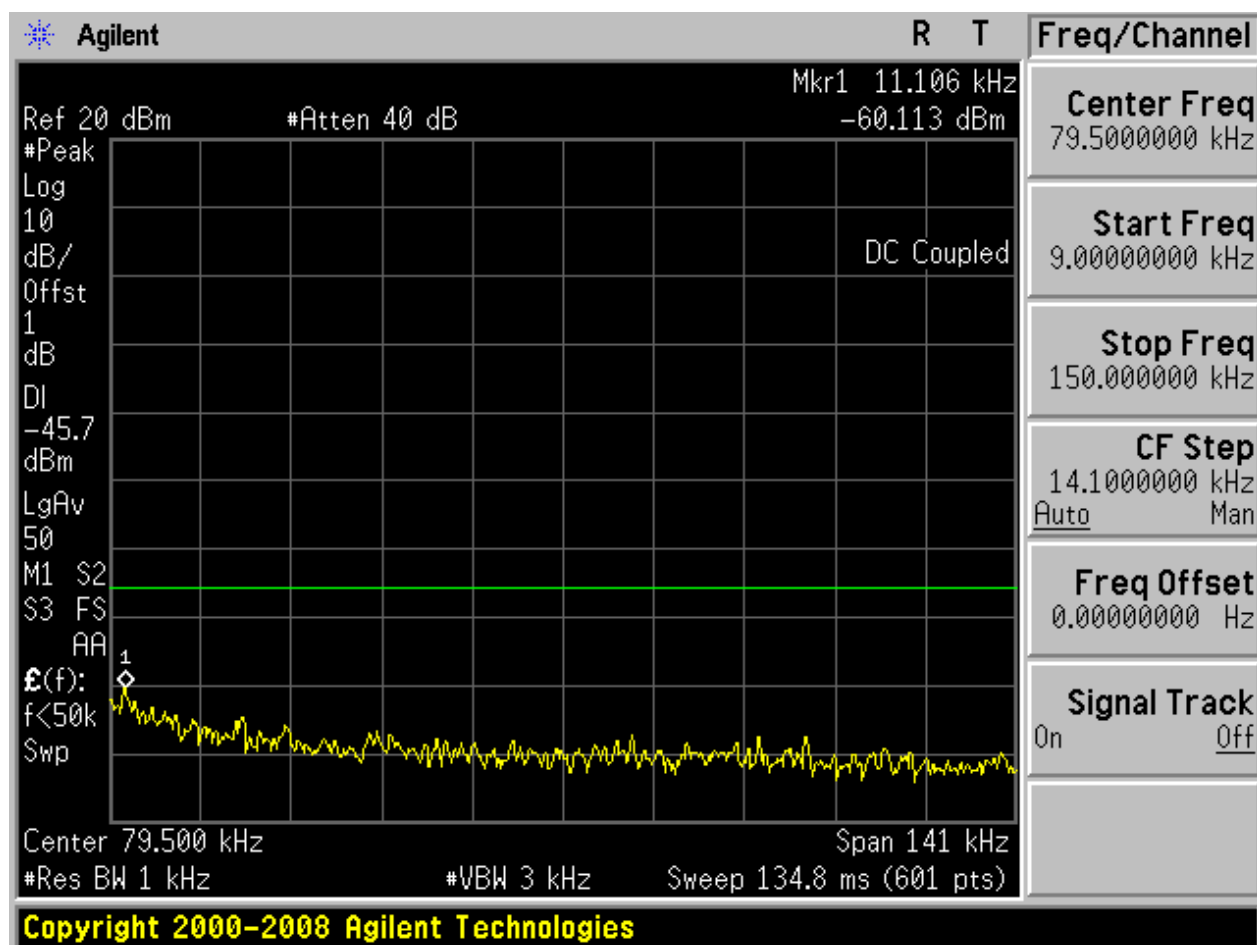
2.8 11G_L@Ant 2

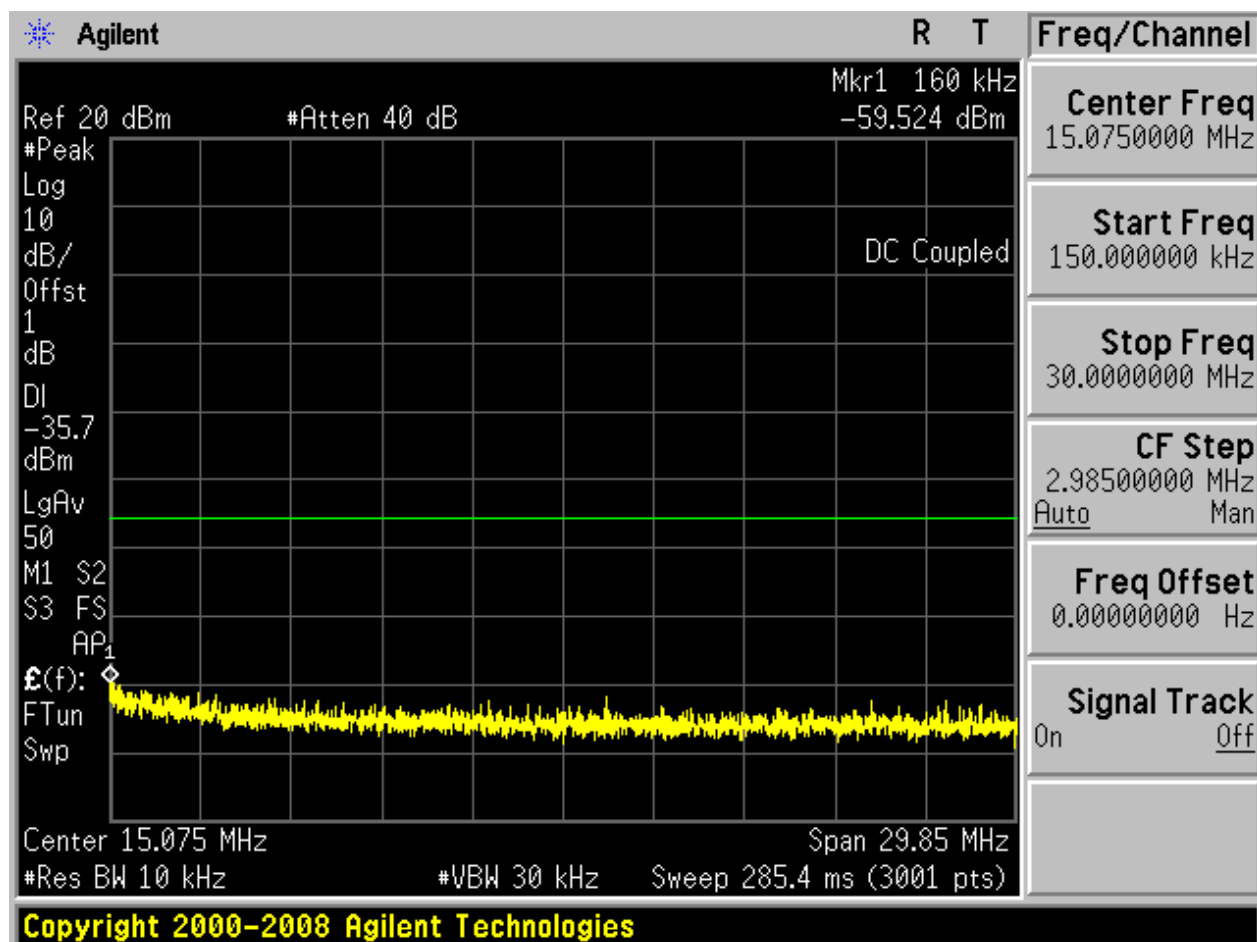
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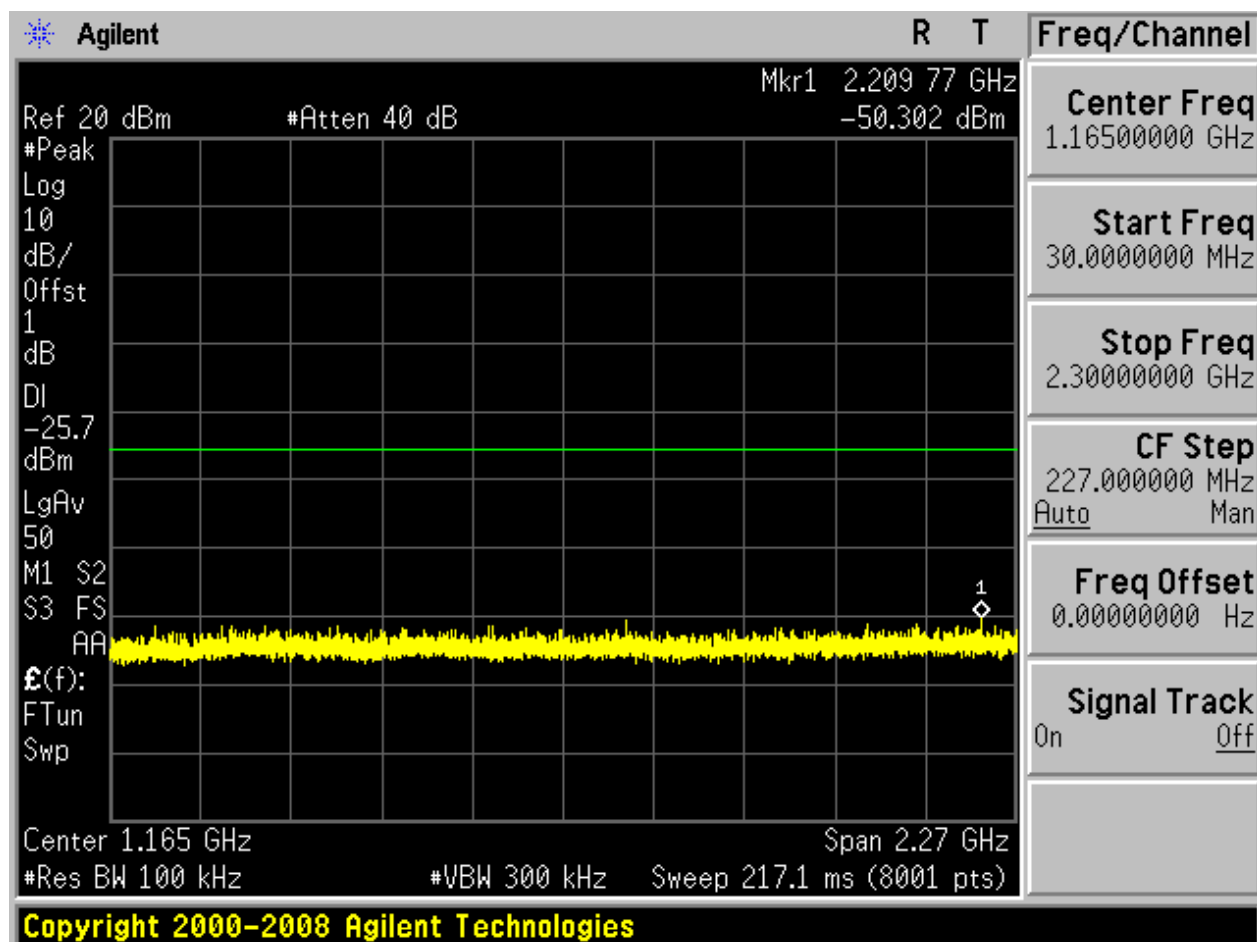


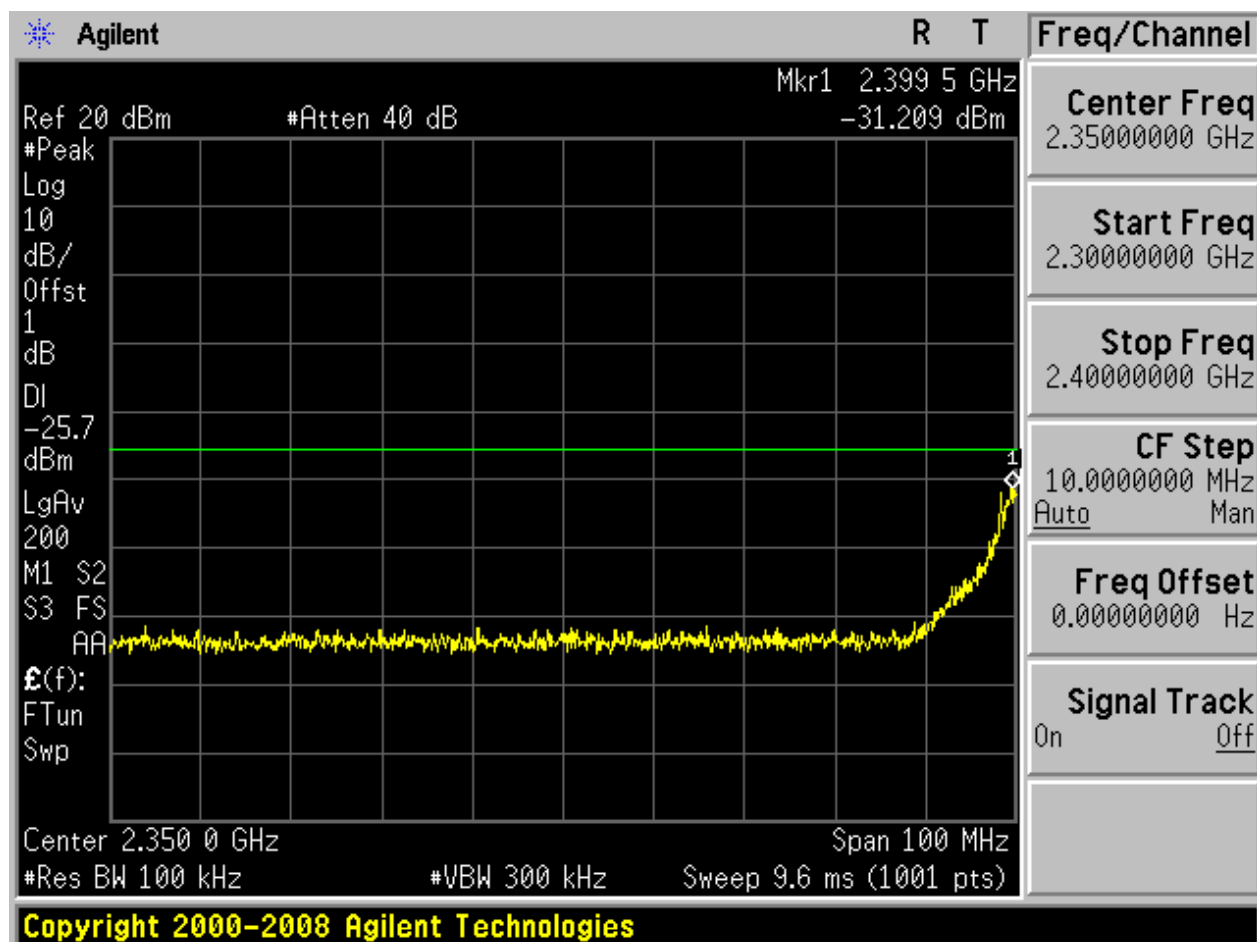


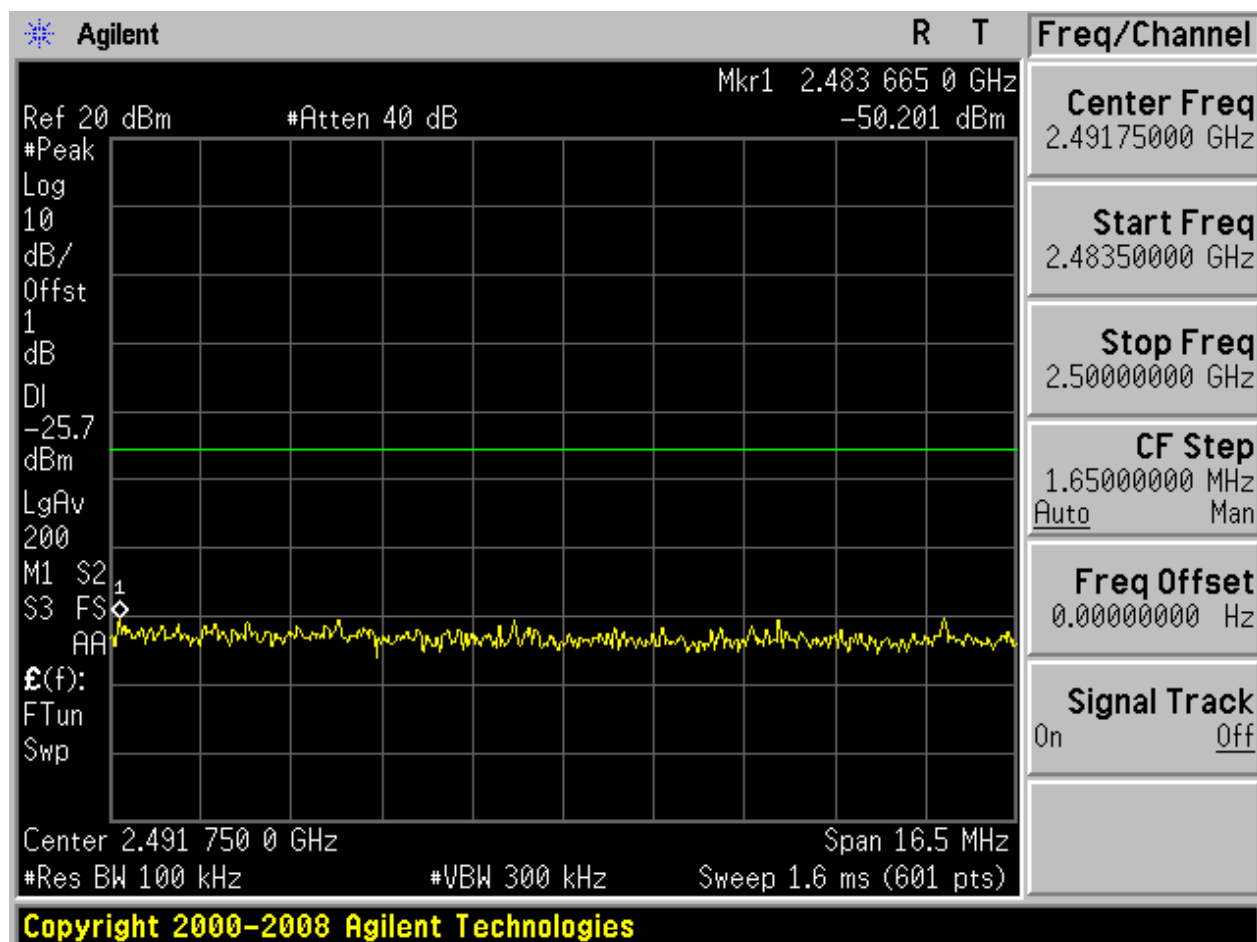
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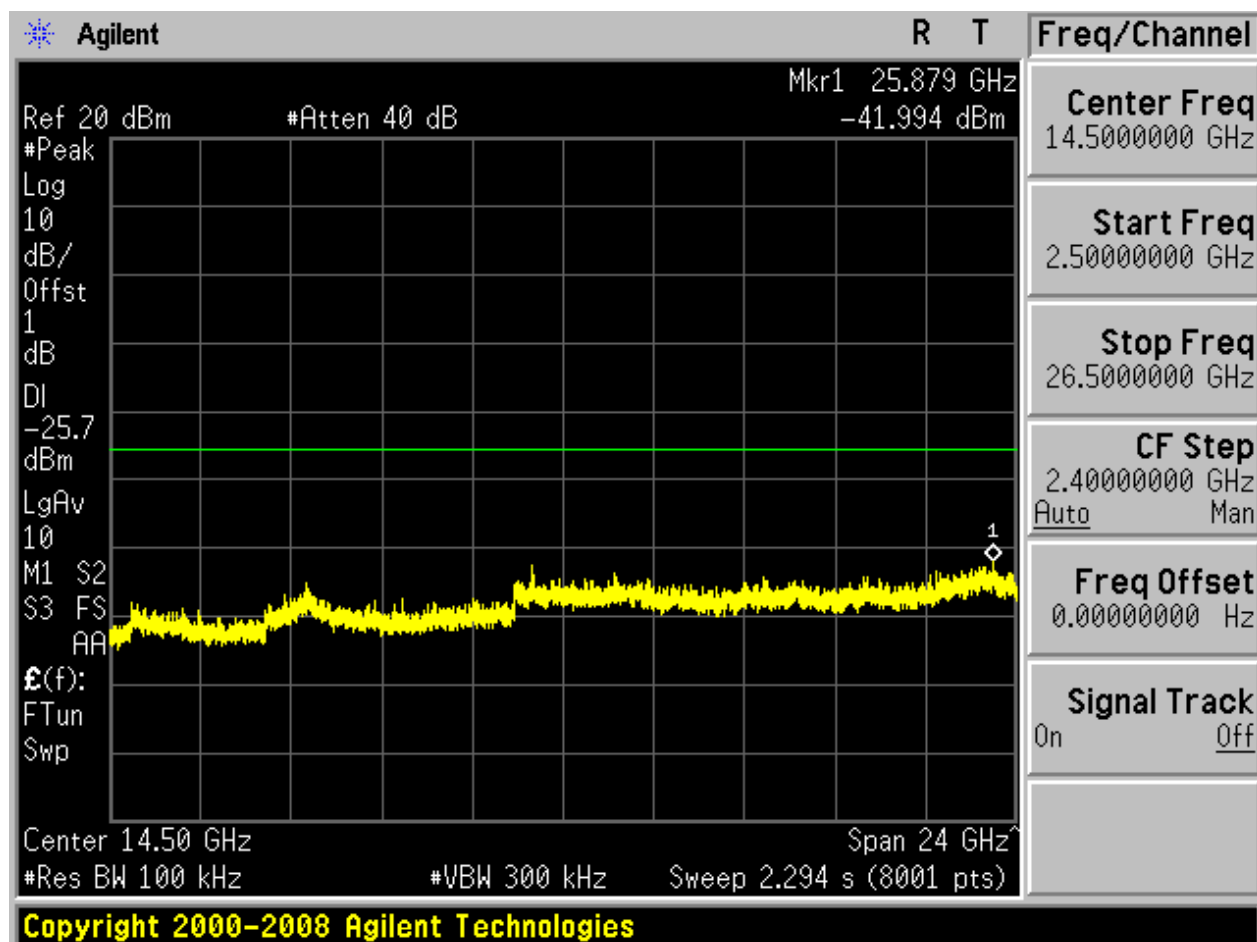








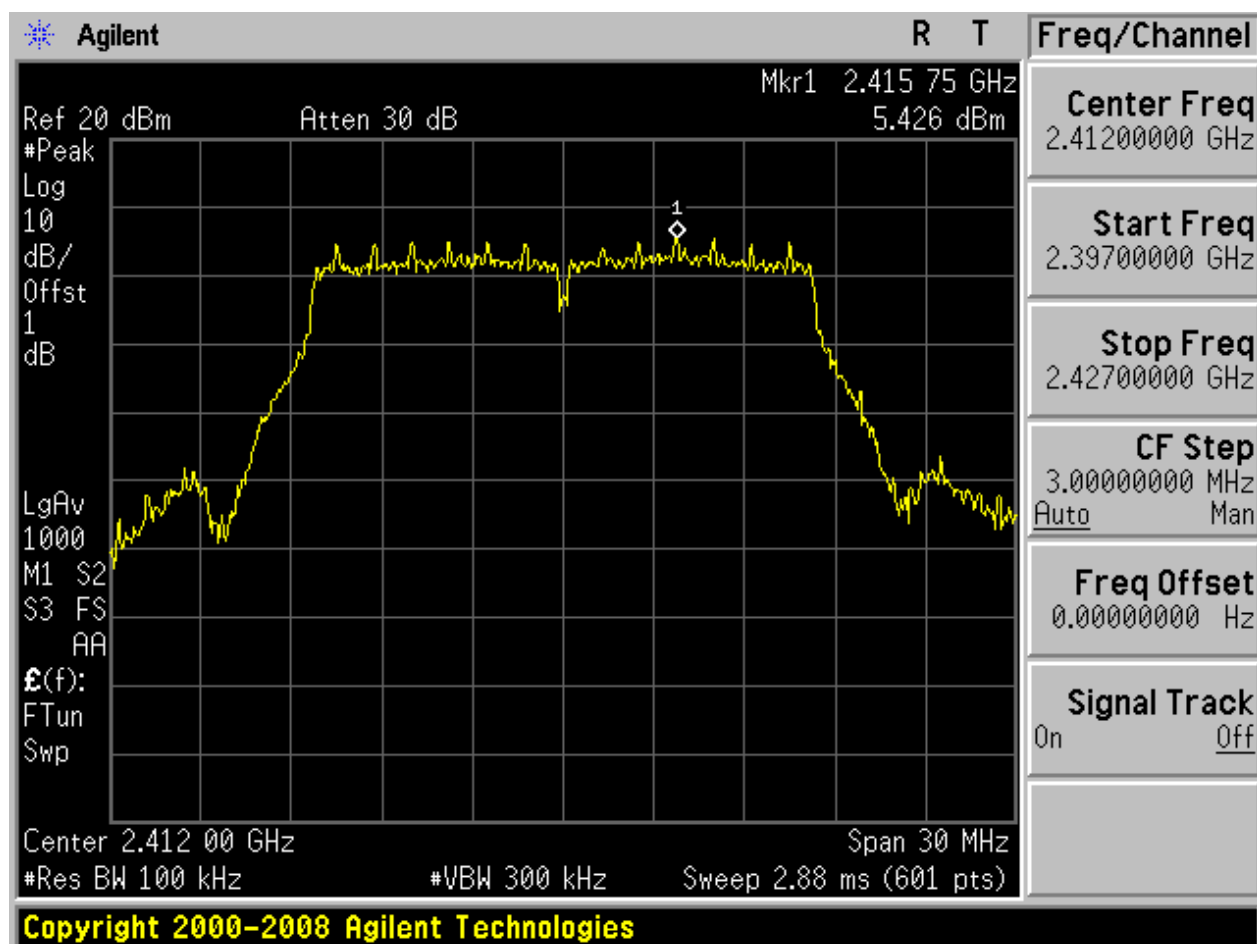






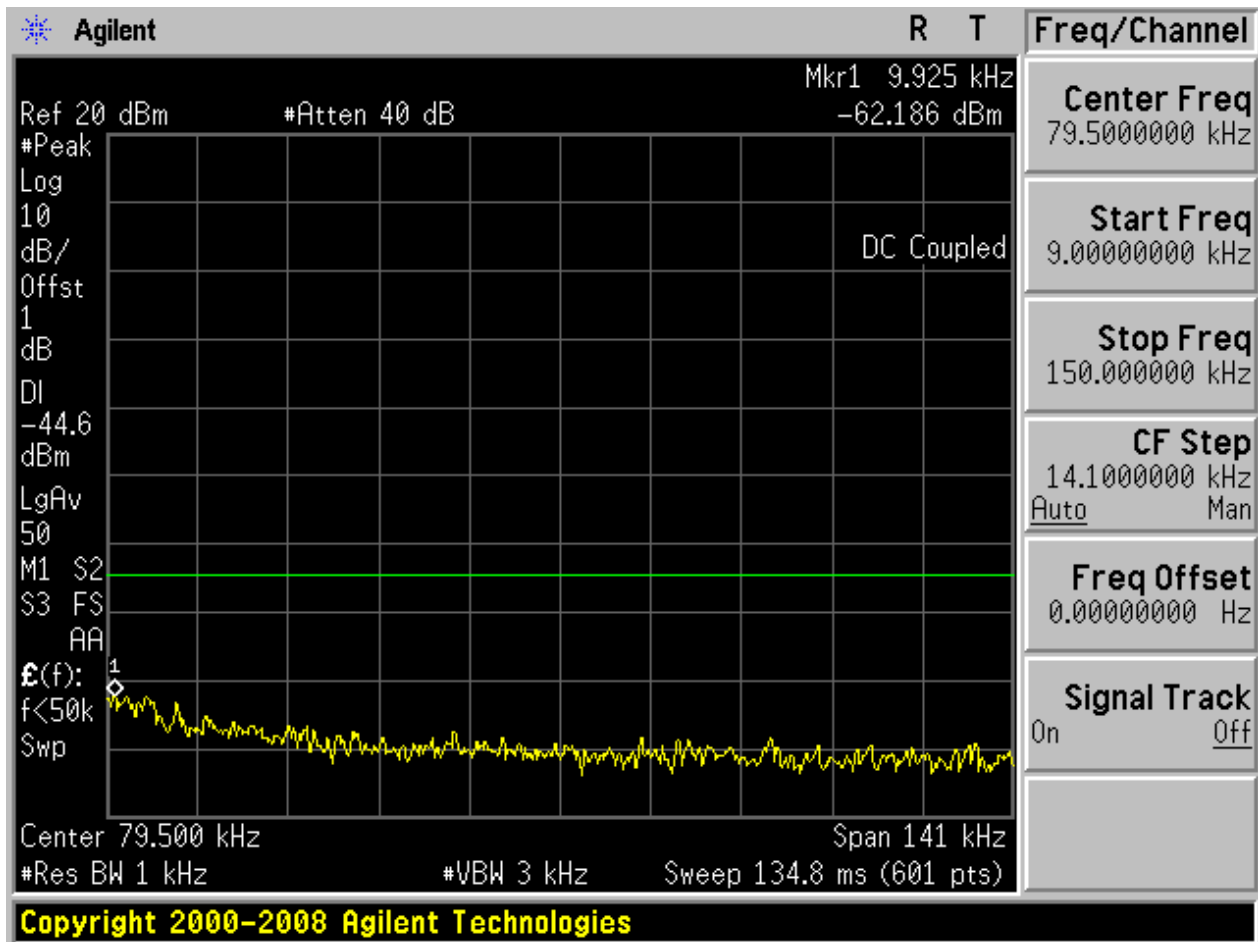
2.7 11G_L@Ant 1

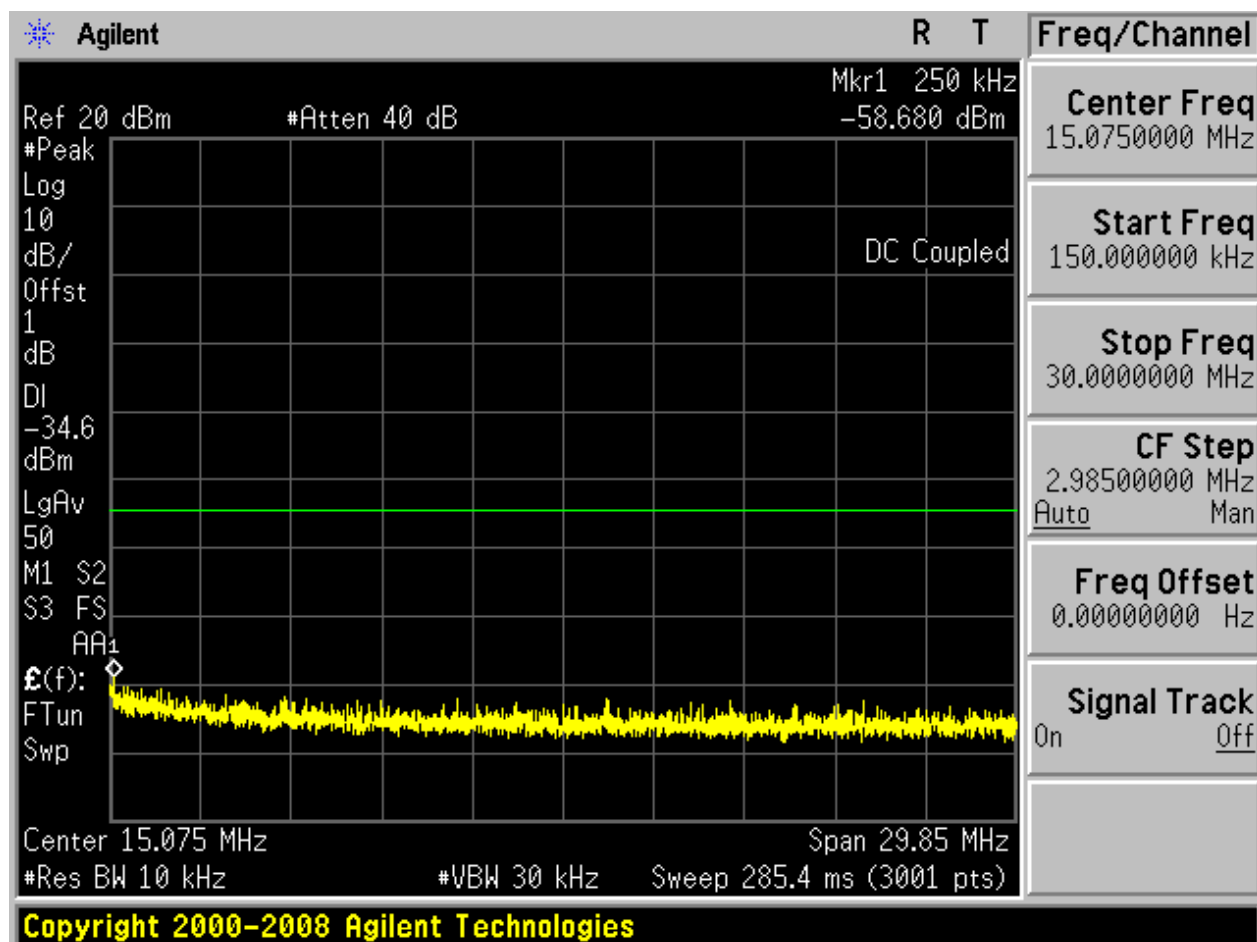
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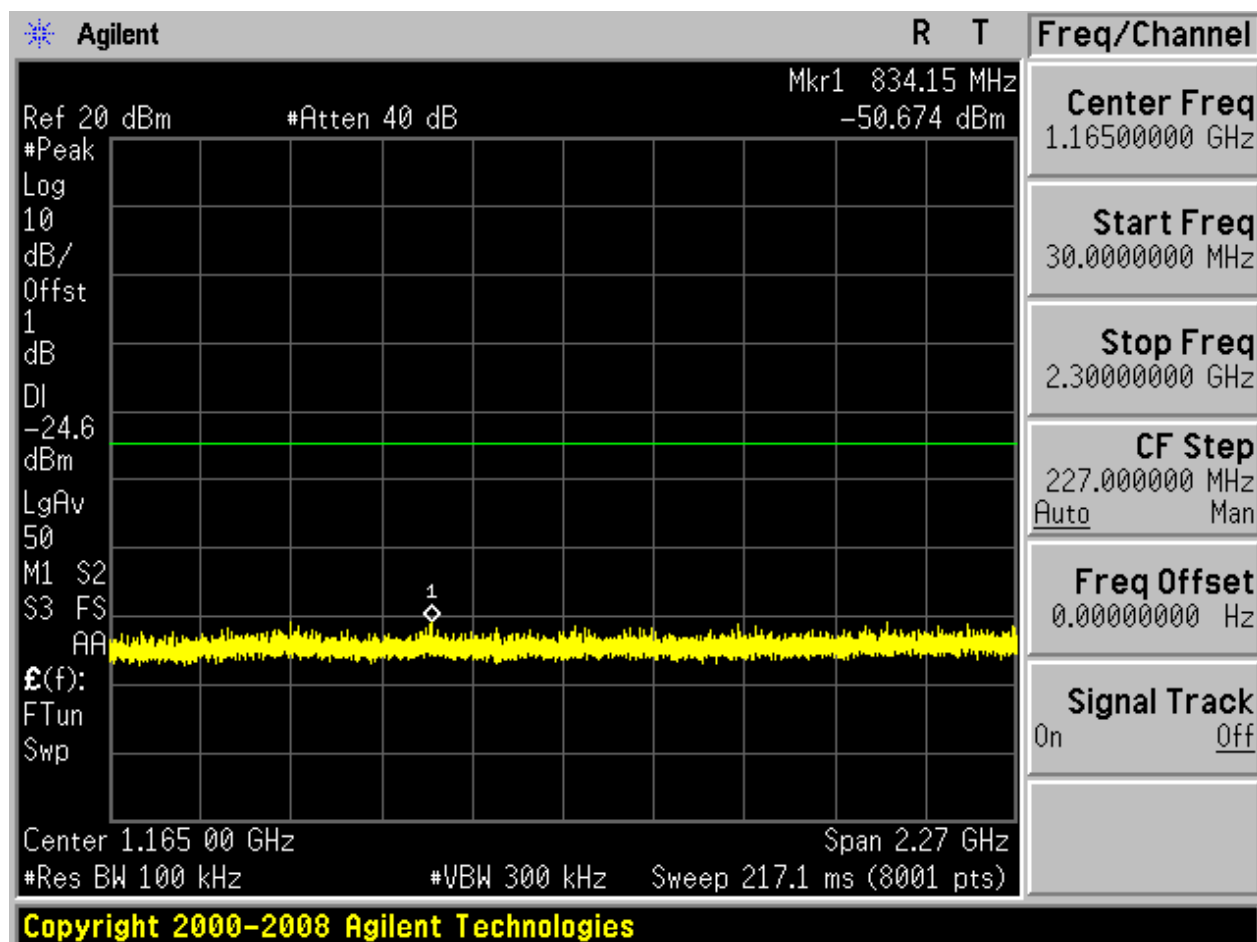


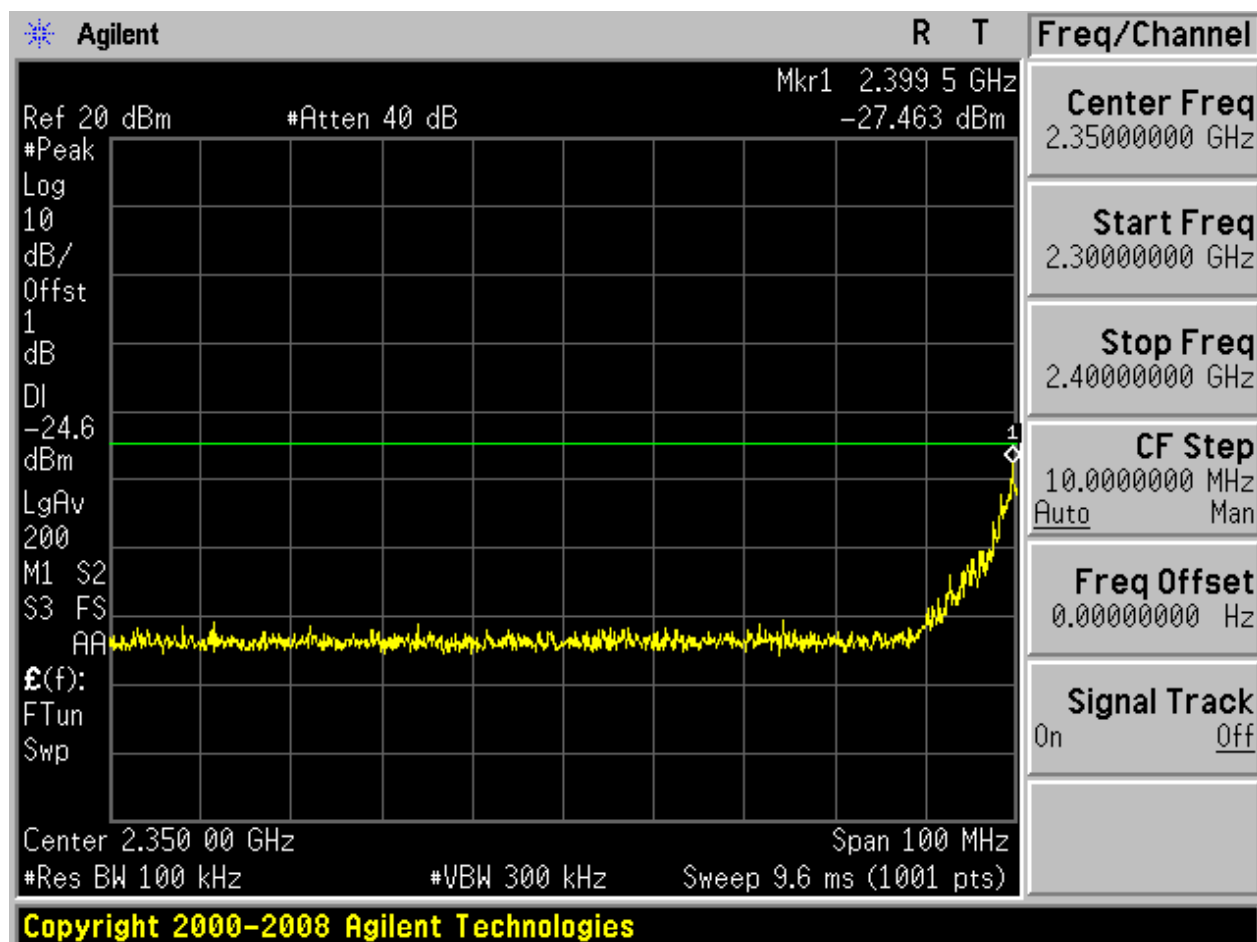


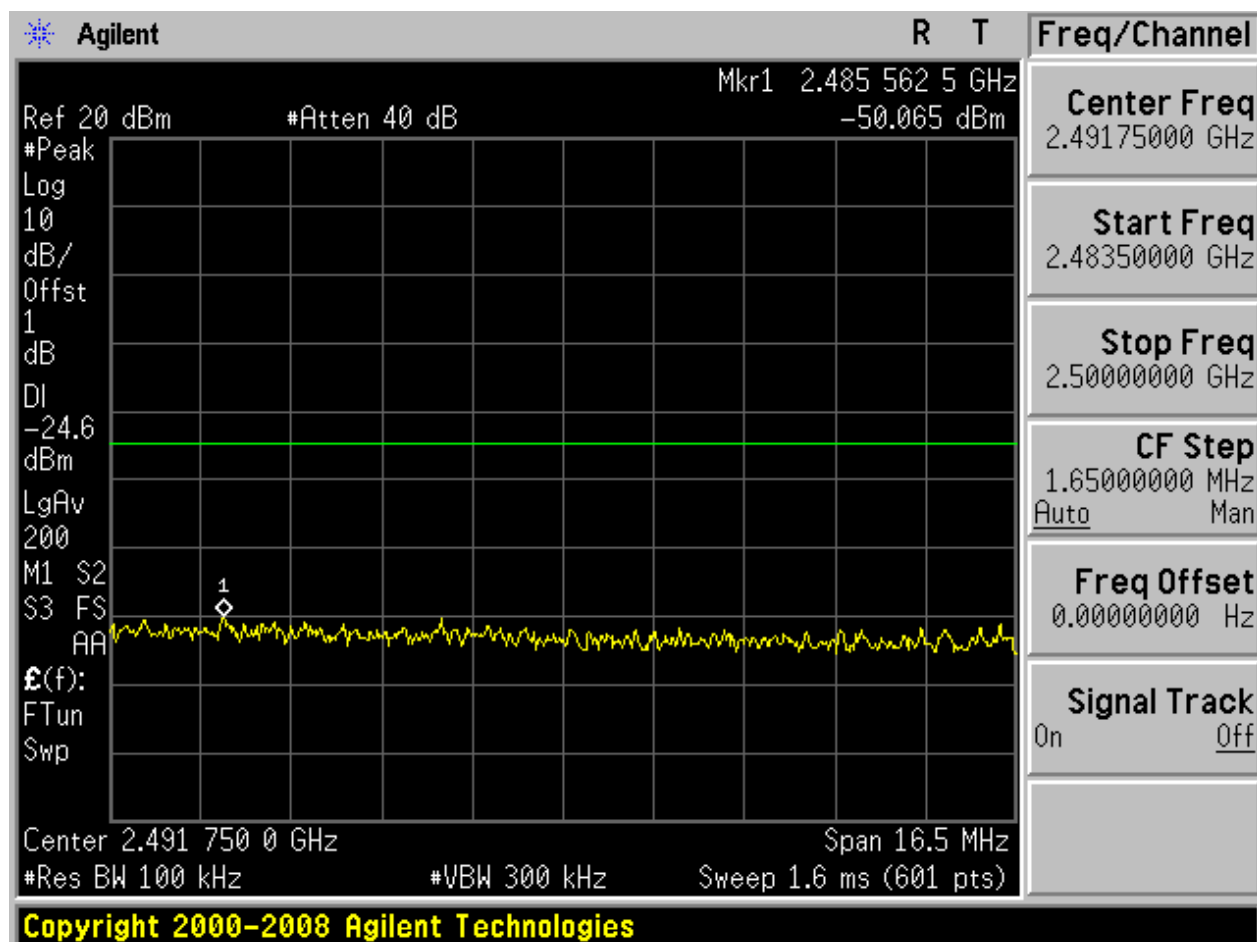
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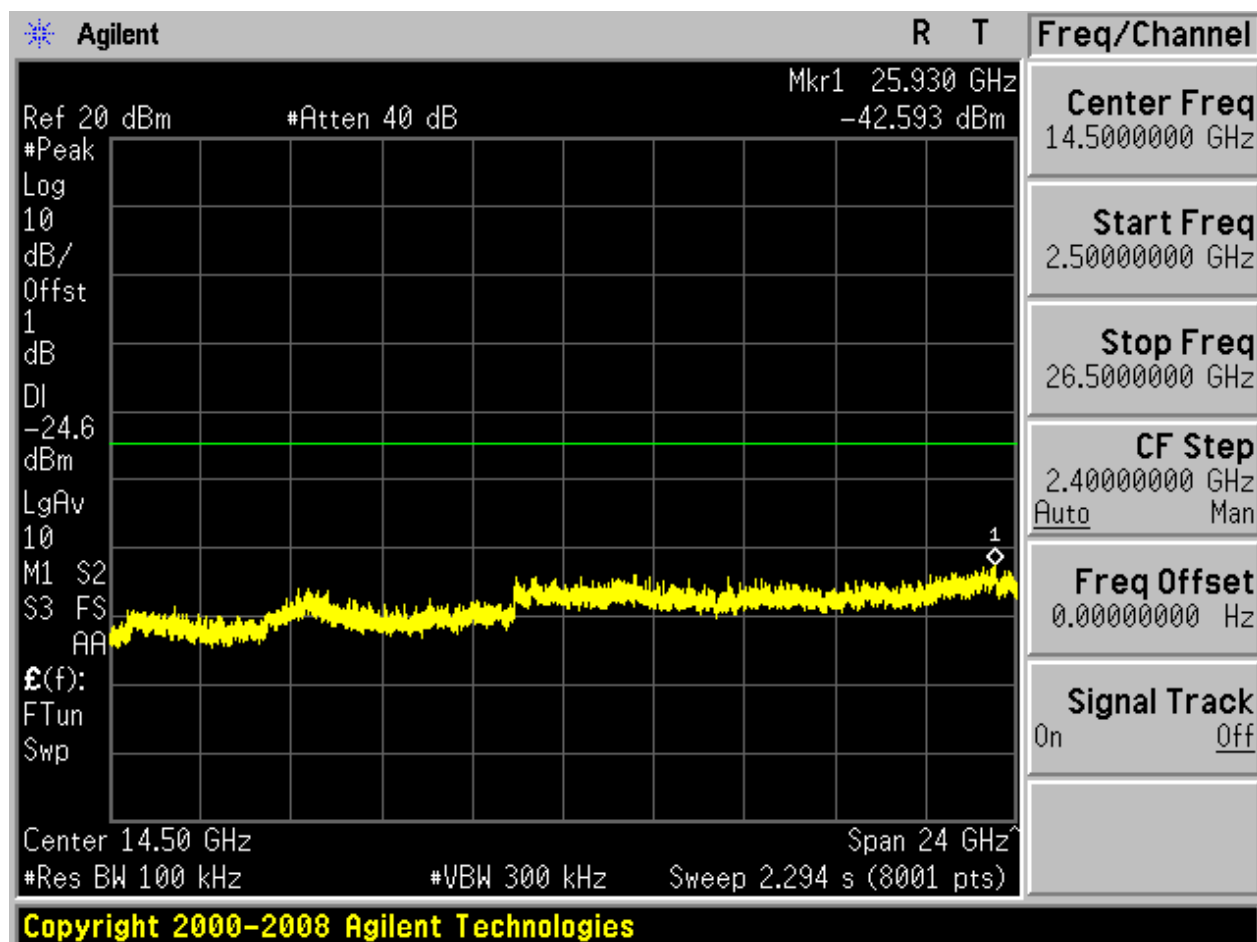








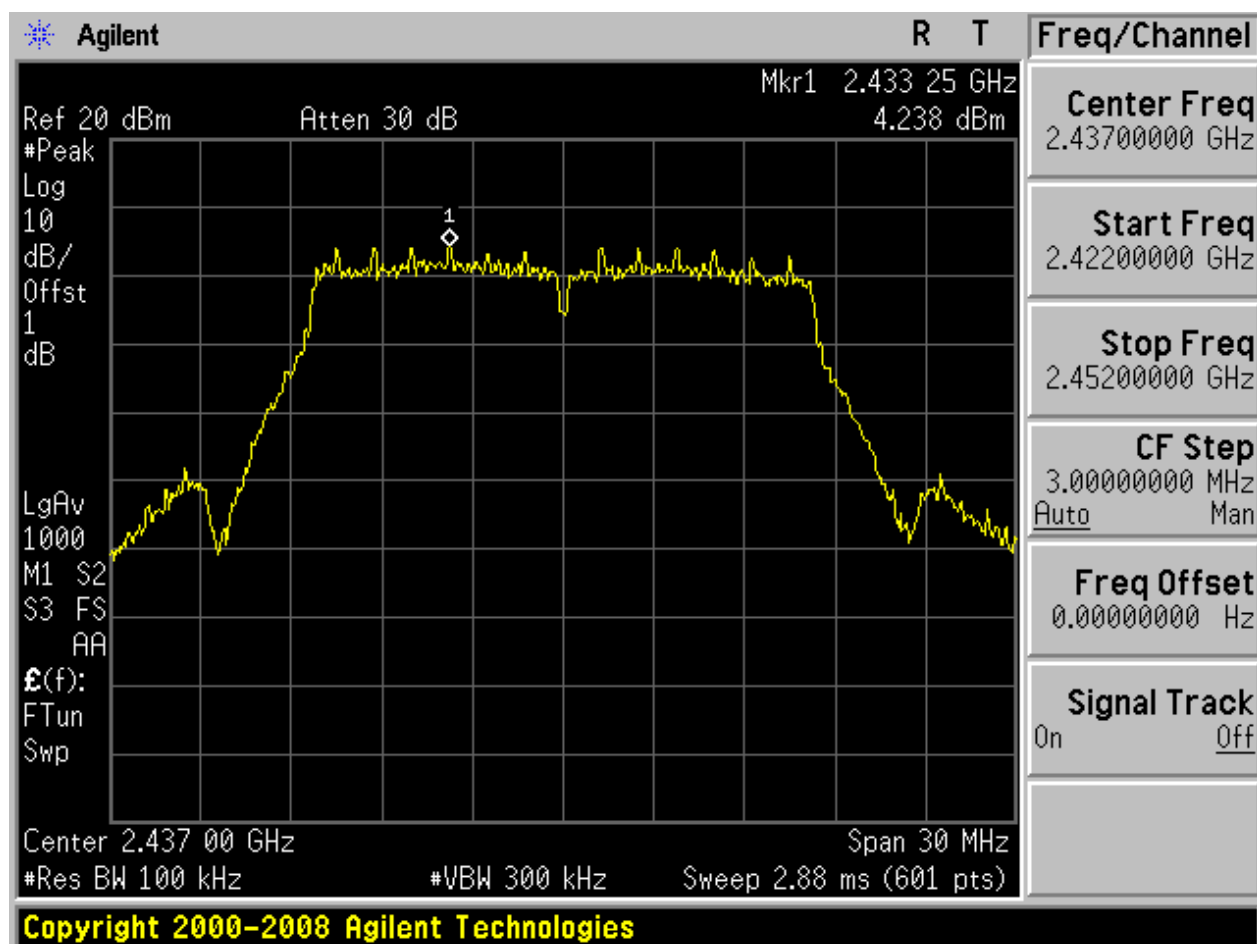






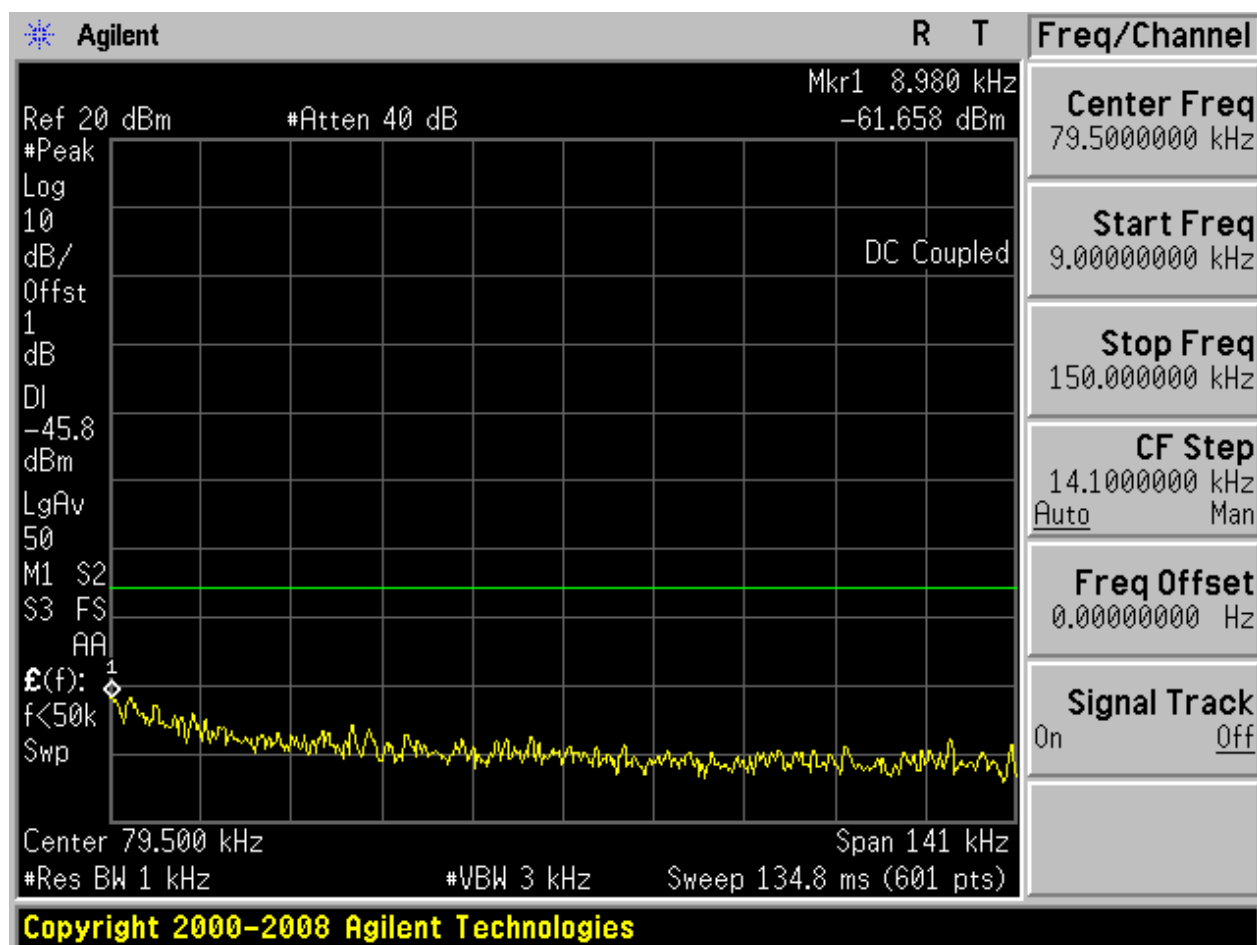
2.10 11G_M@Ant 2

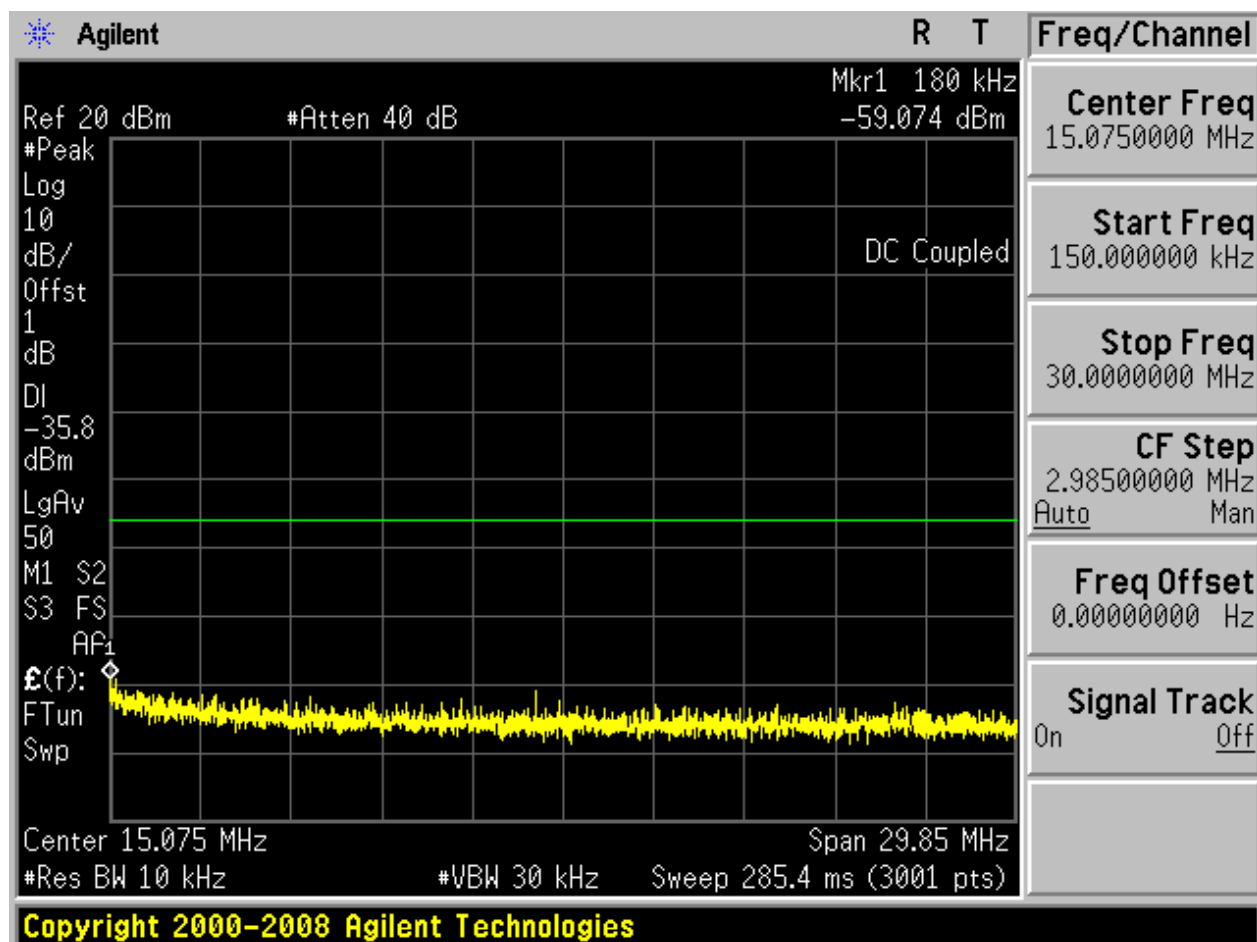
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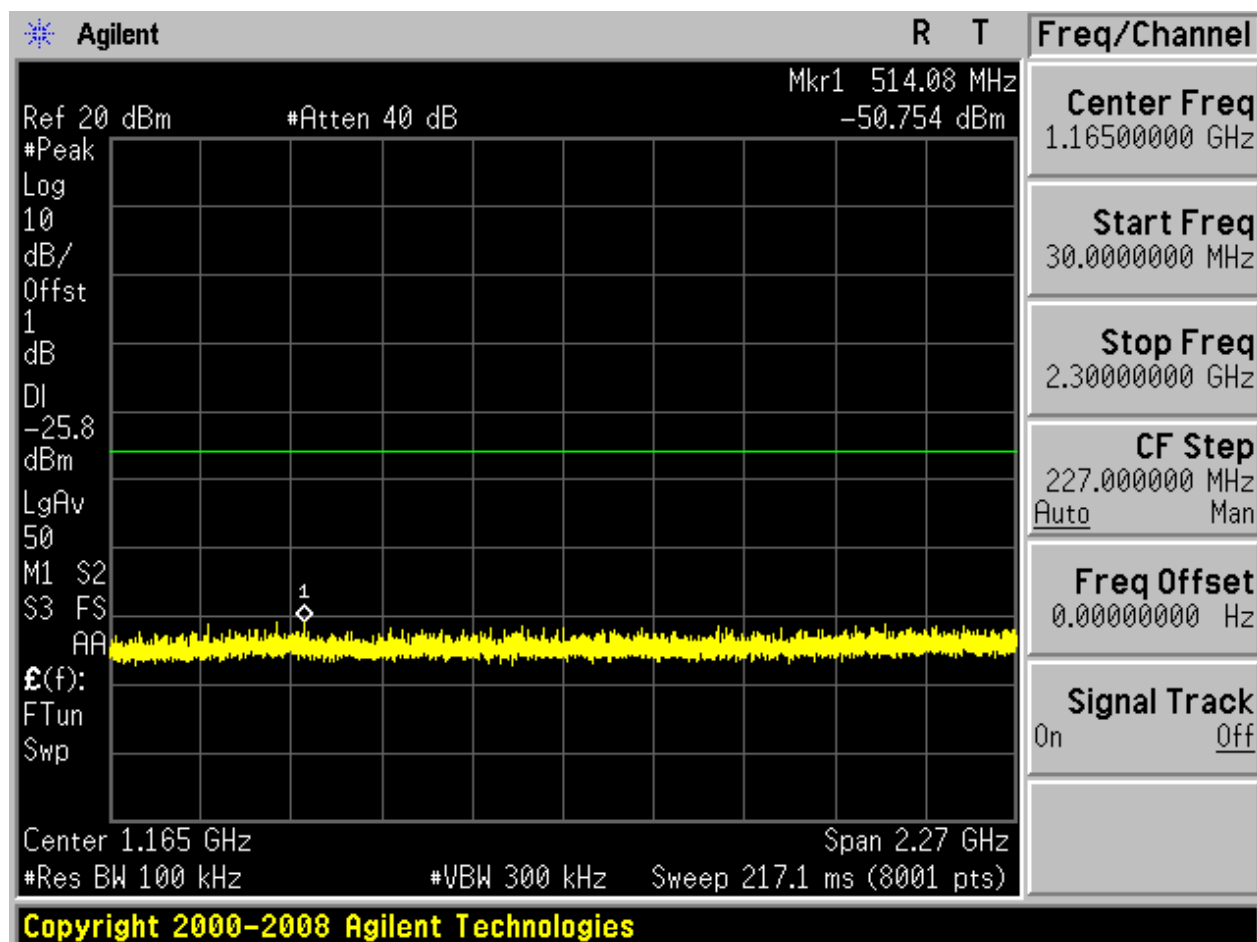


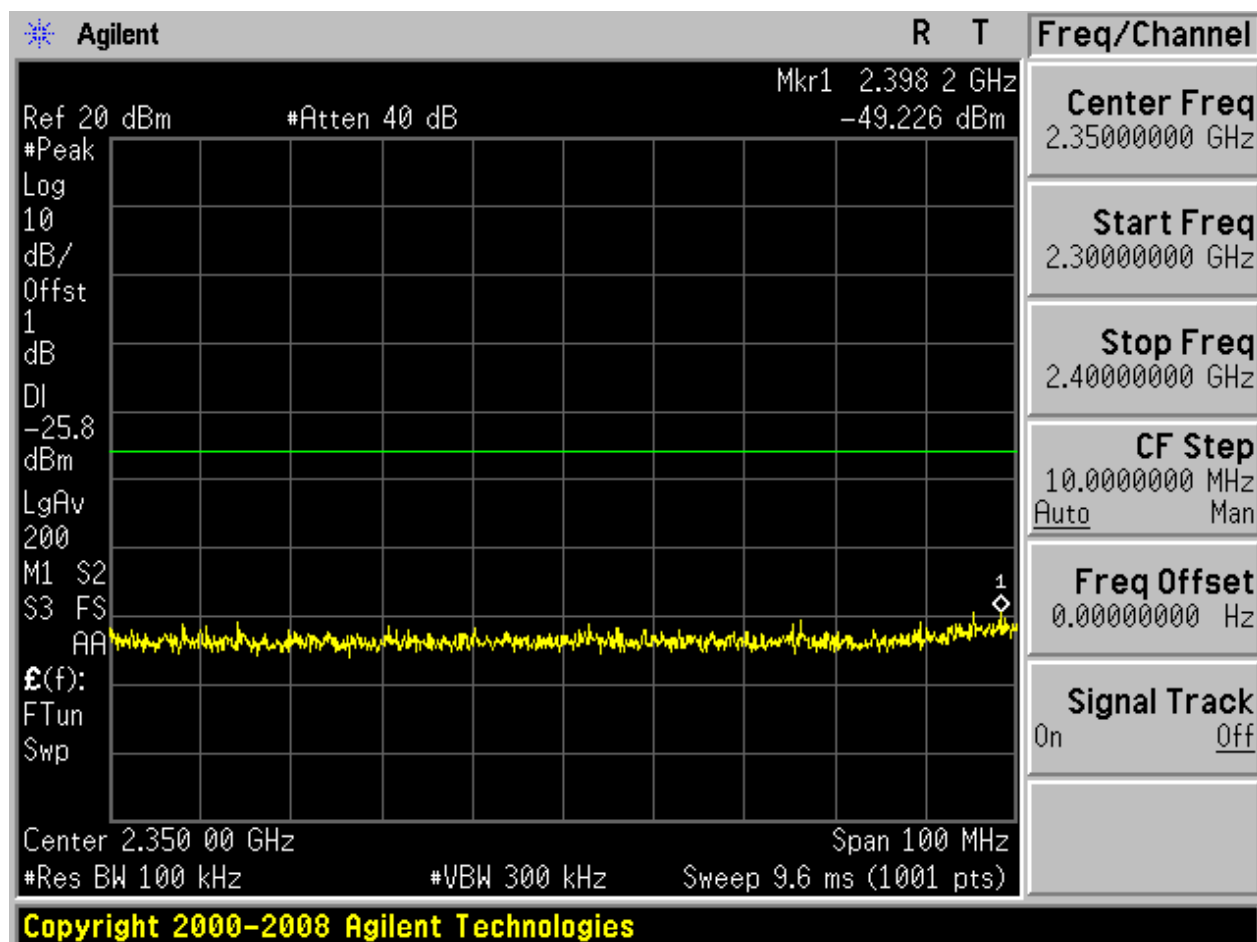


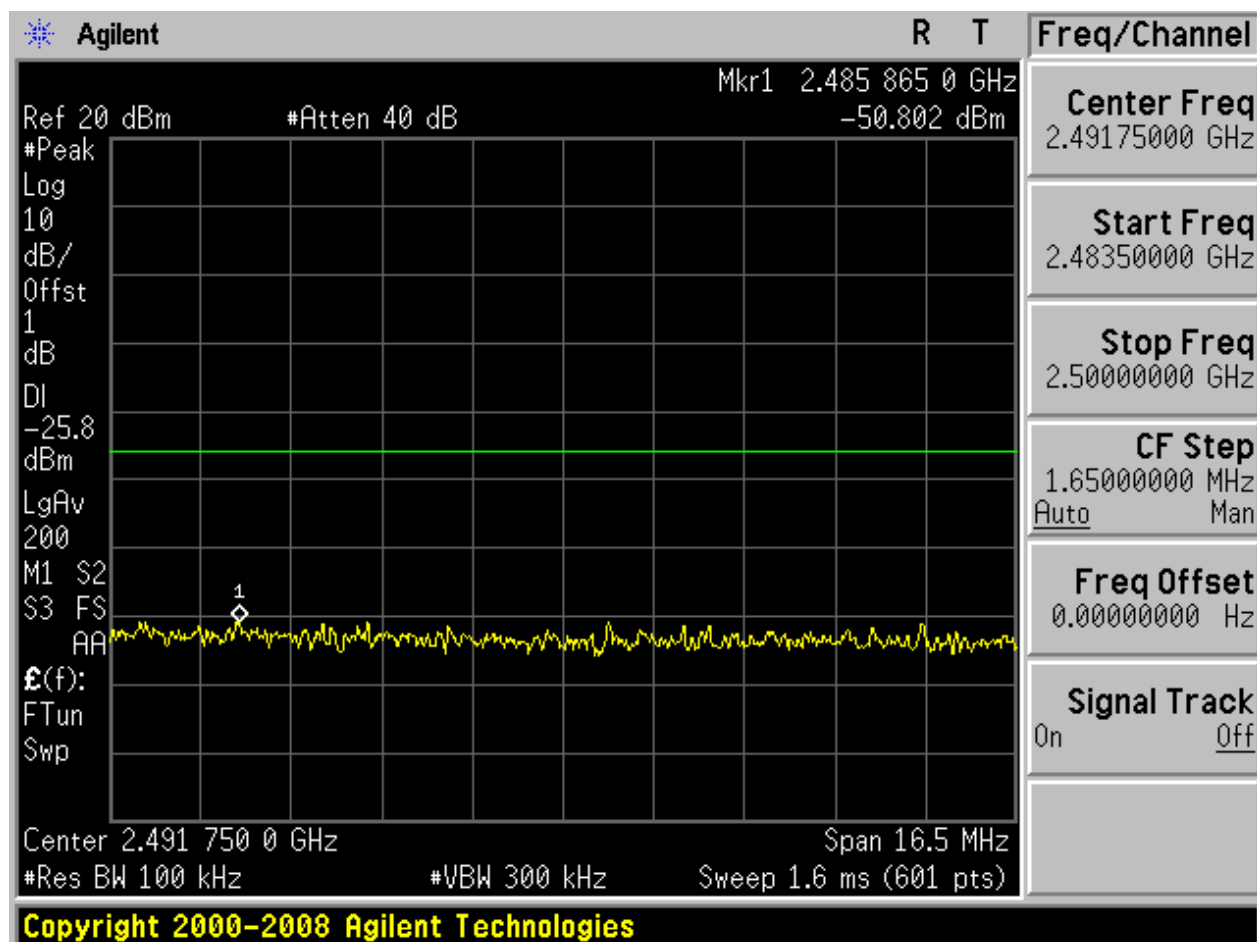
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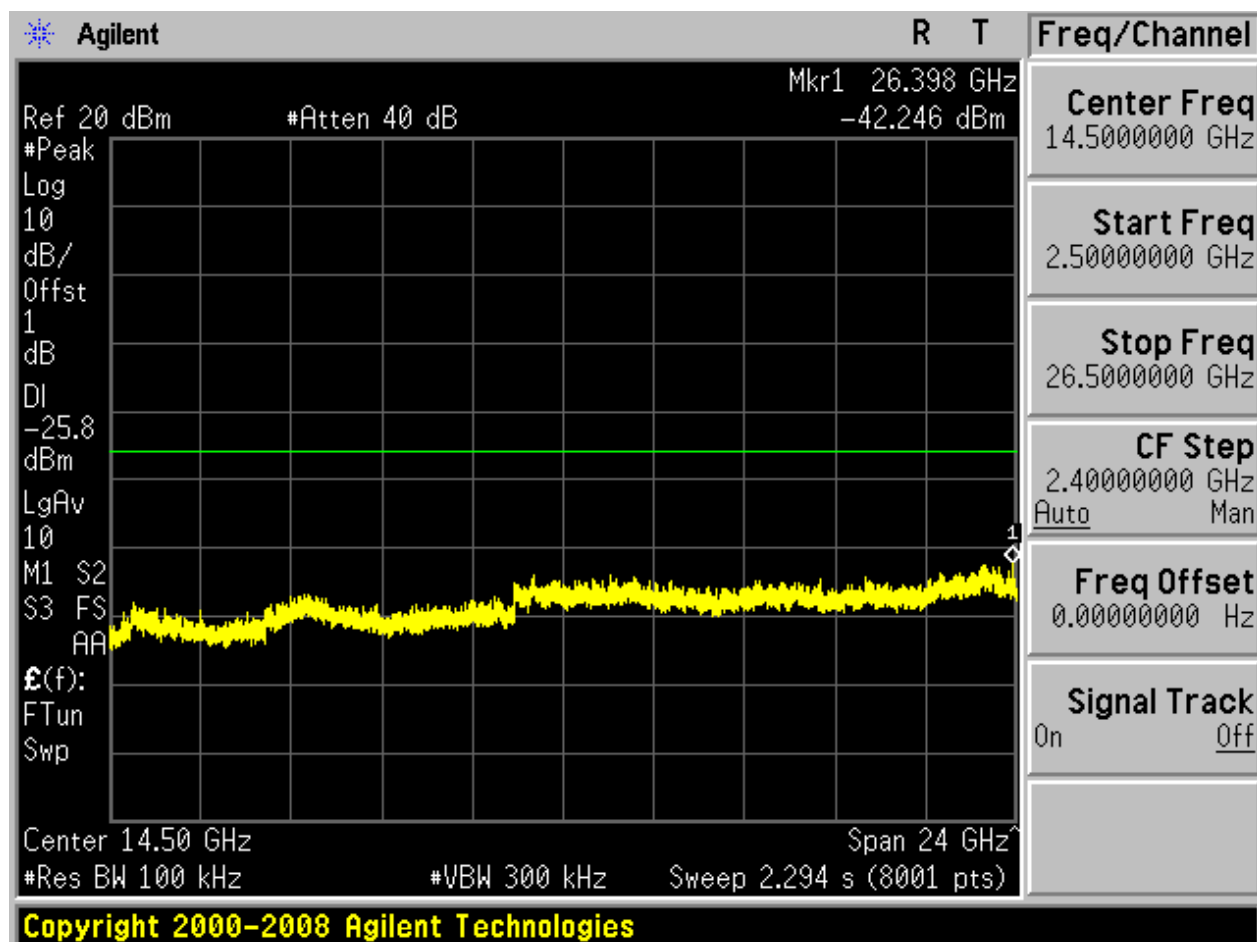








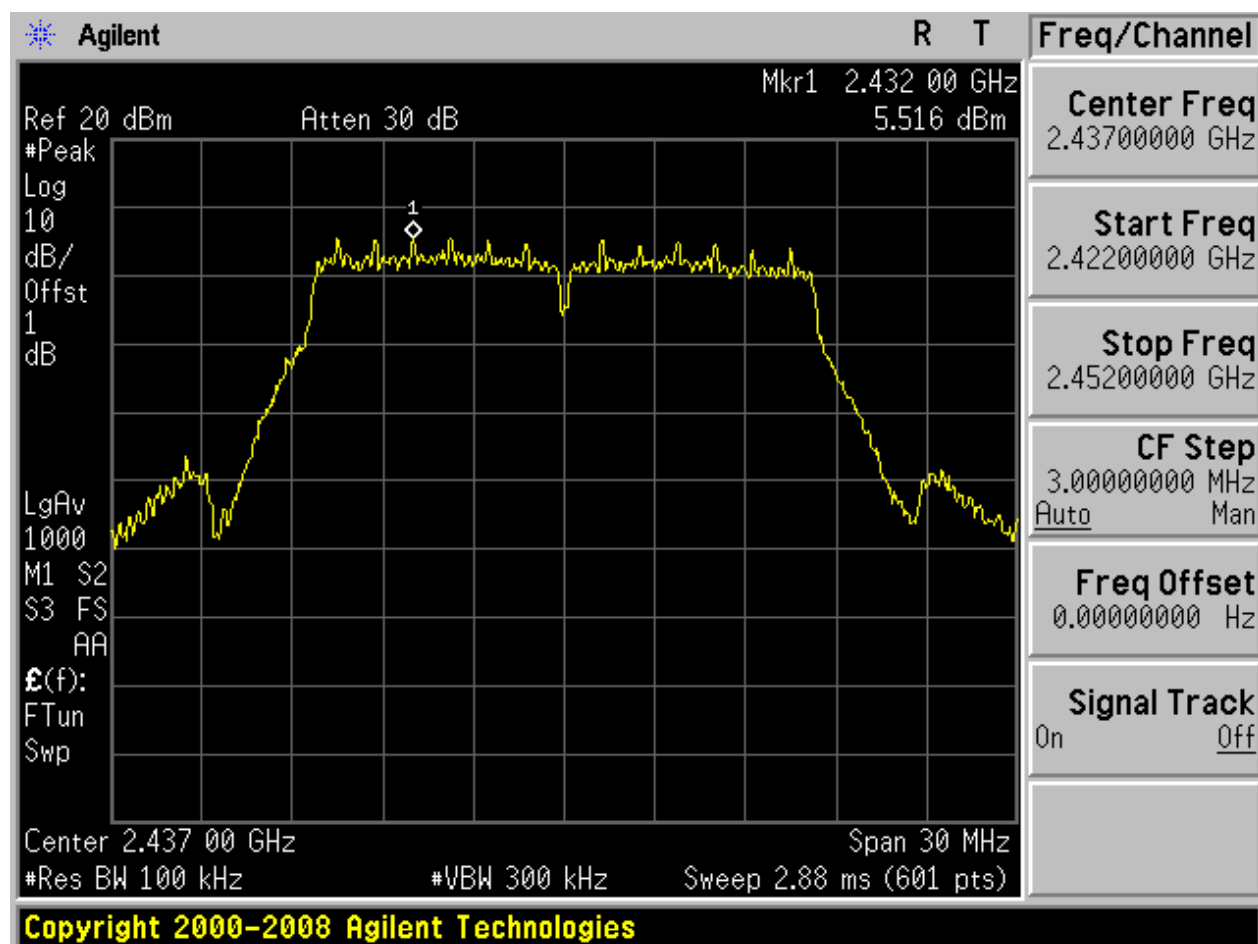






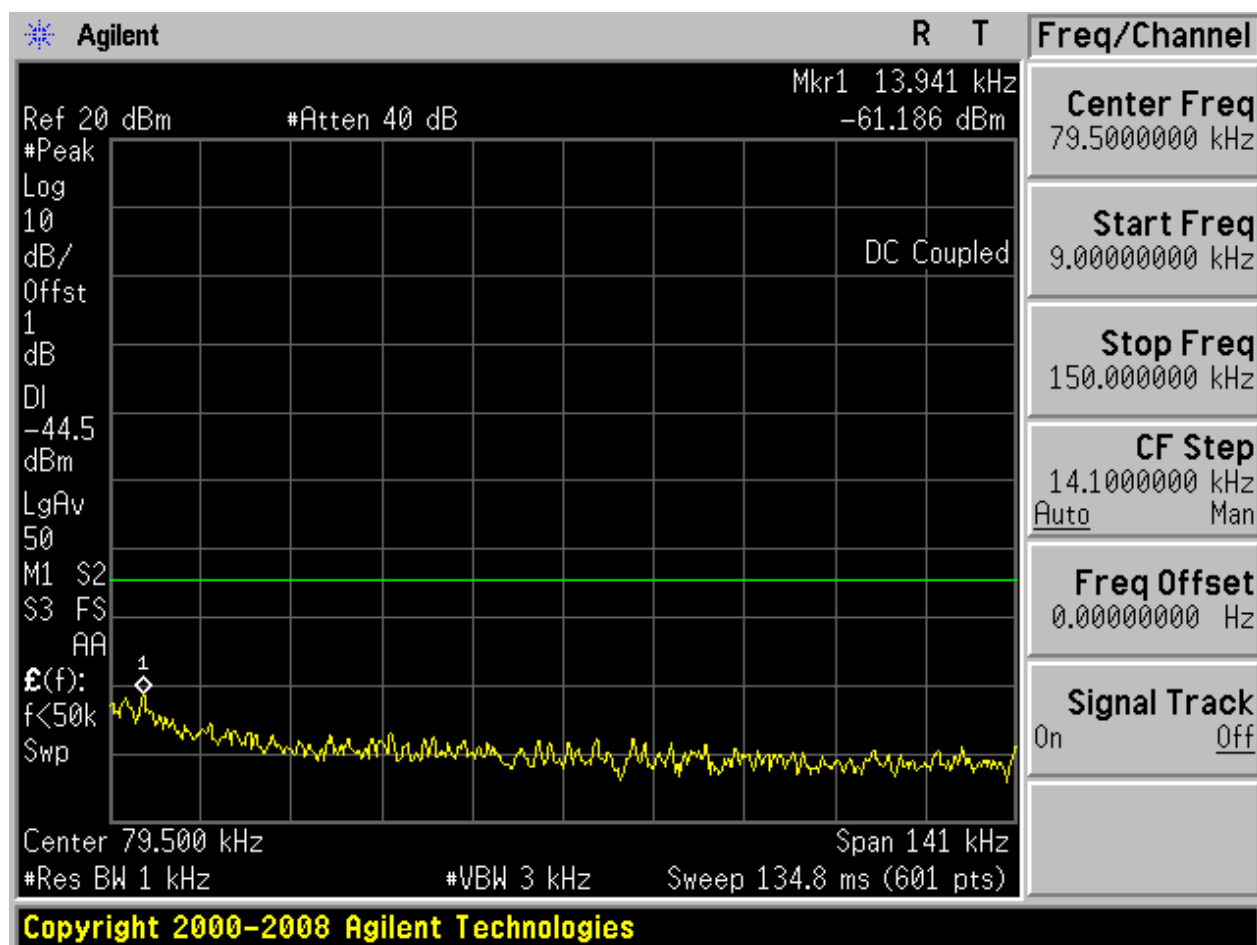
2.9 11G_M@Ant 1

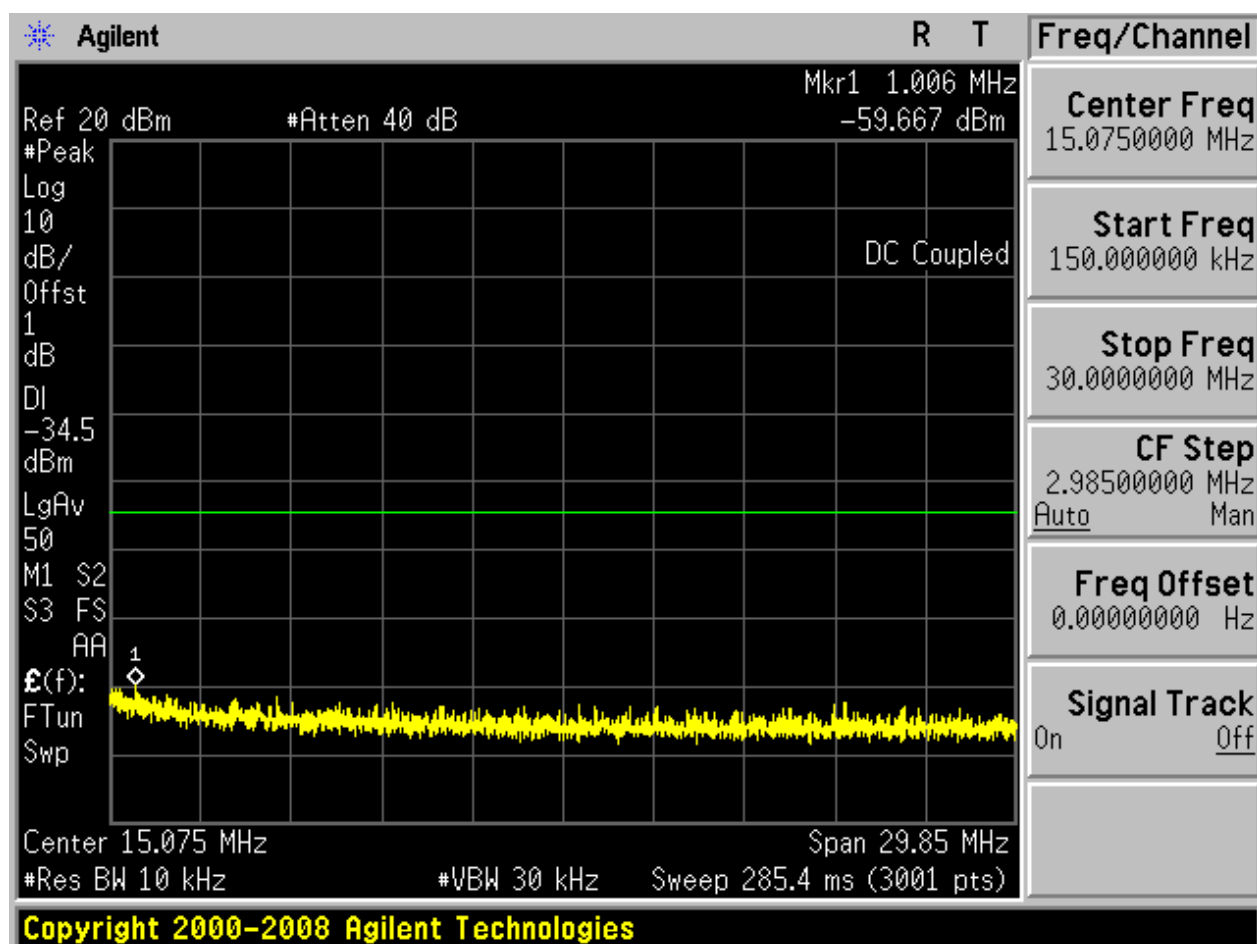
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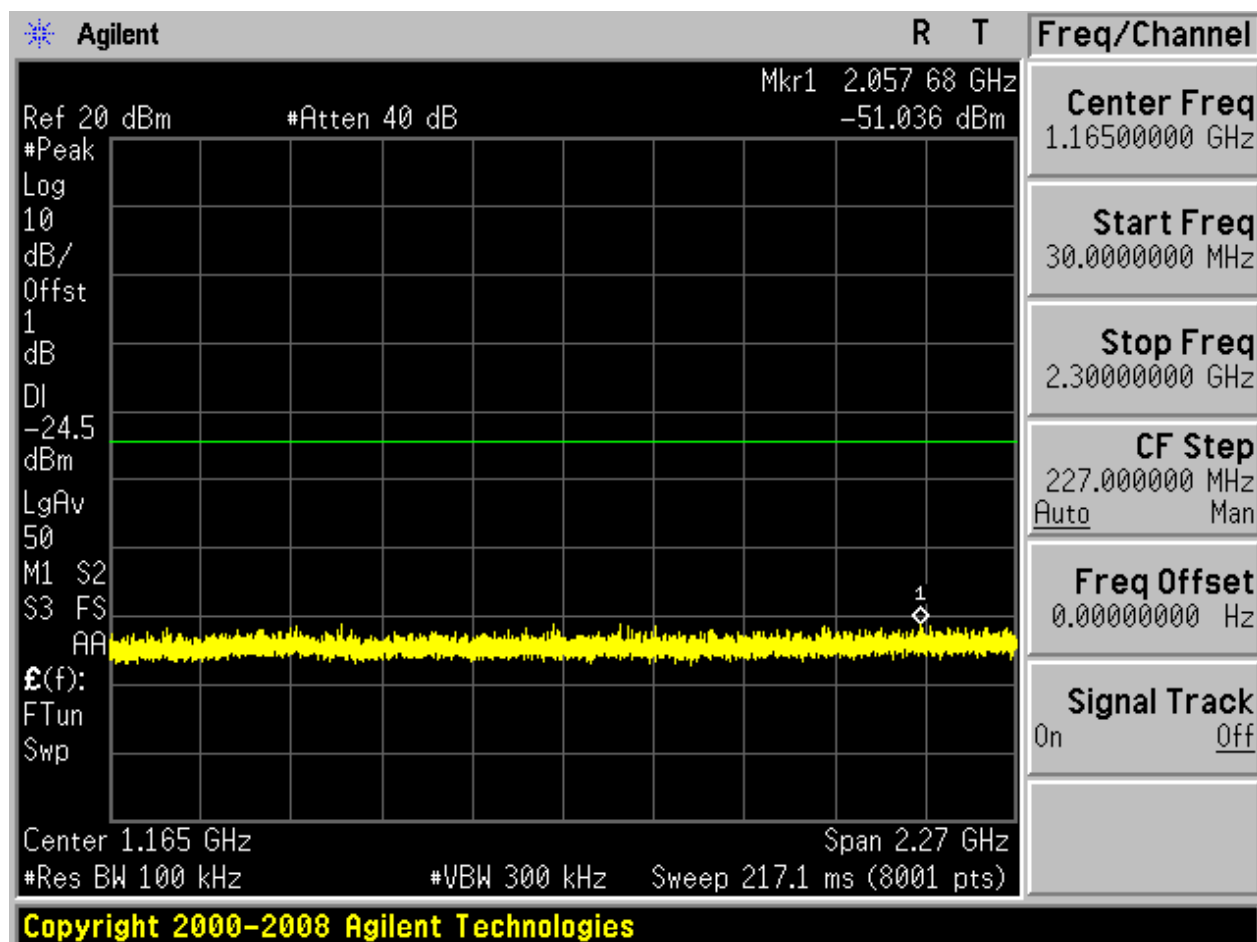


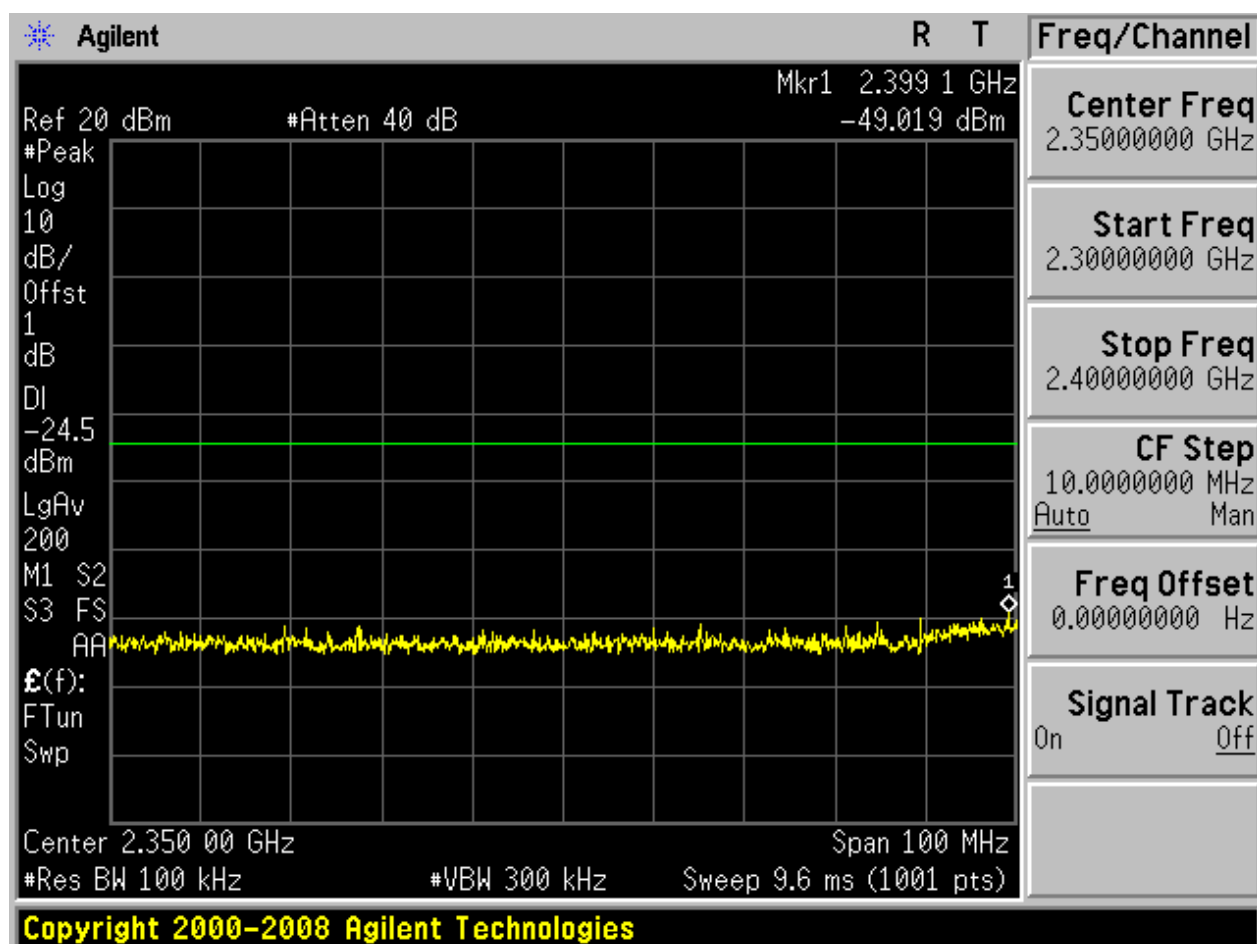


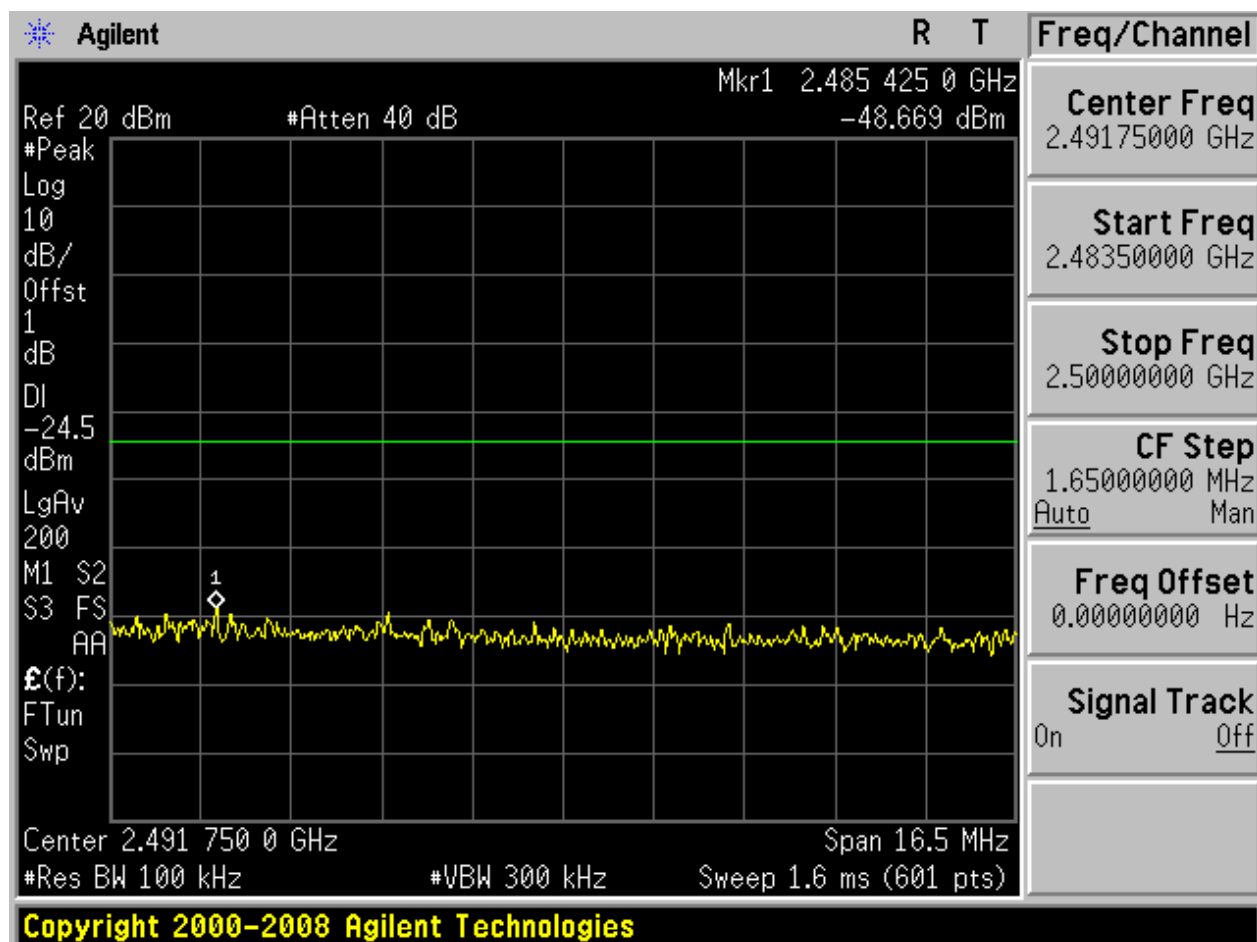
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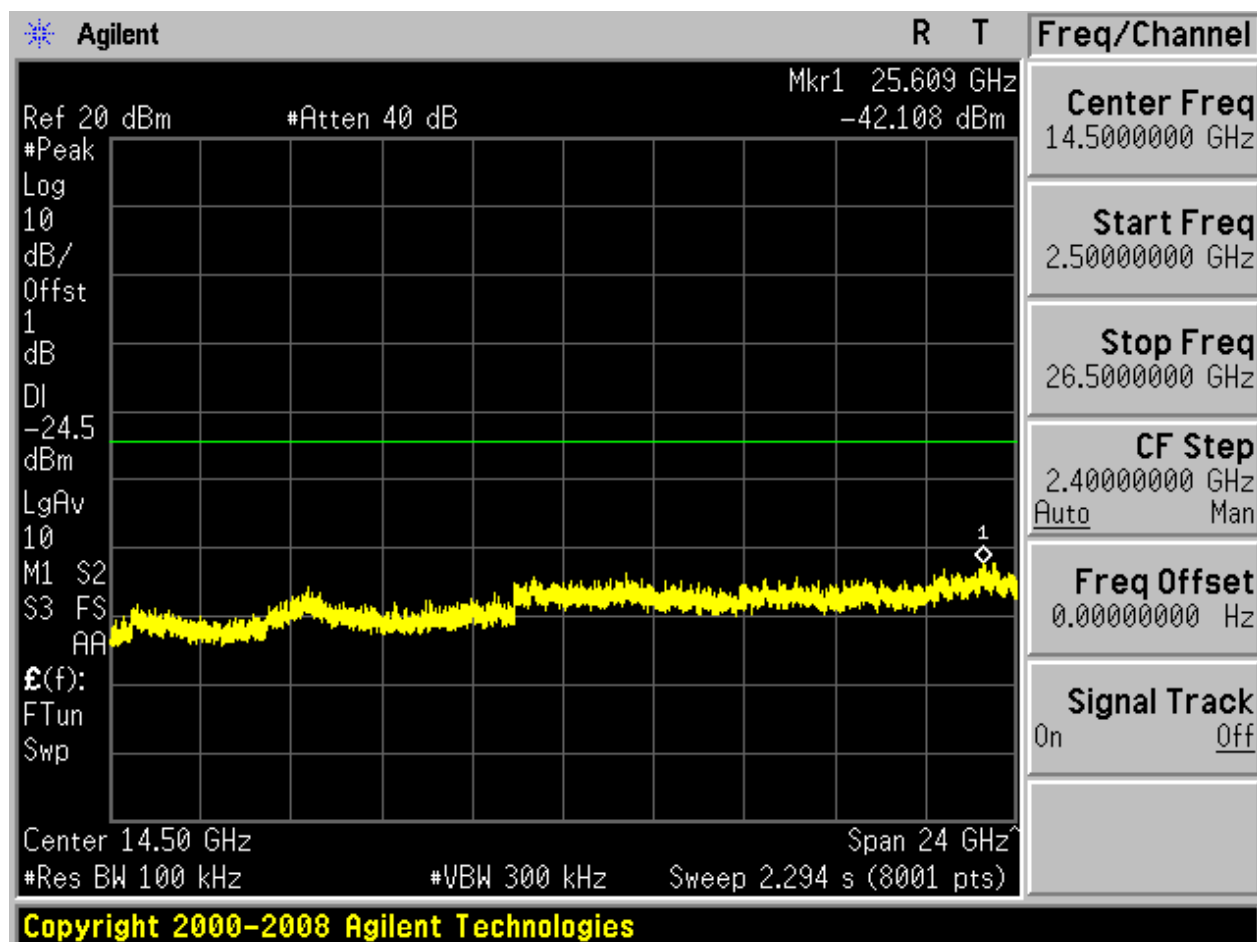








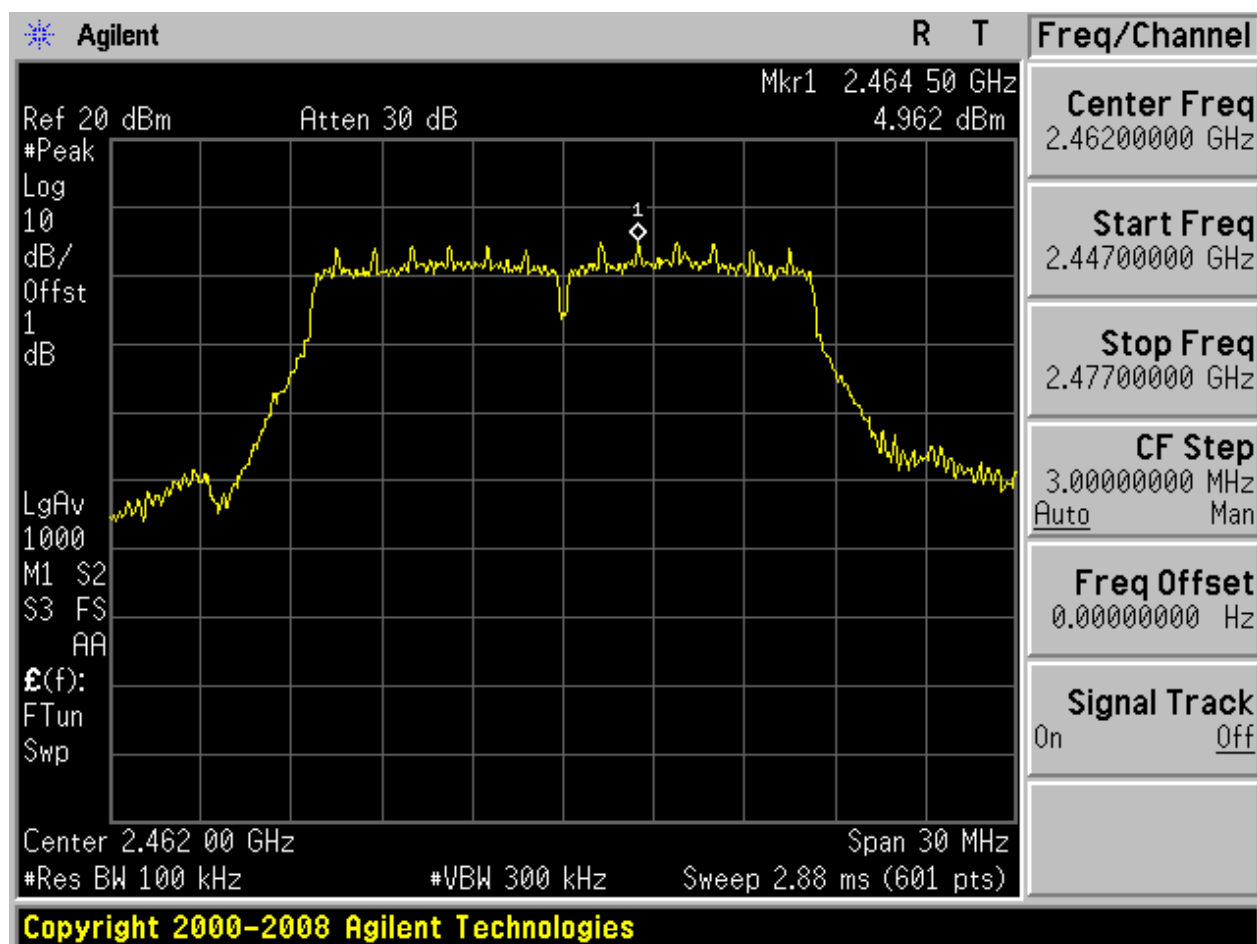






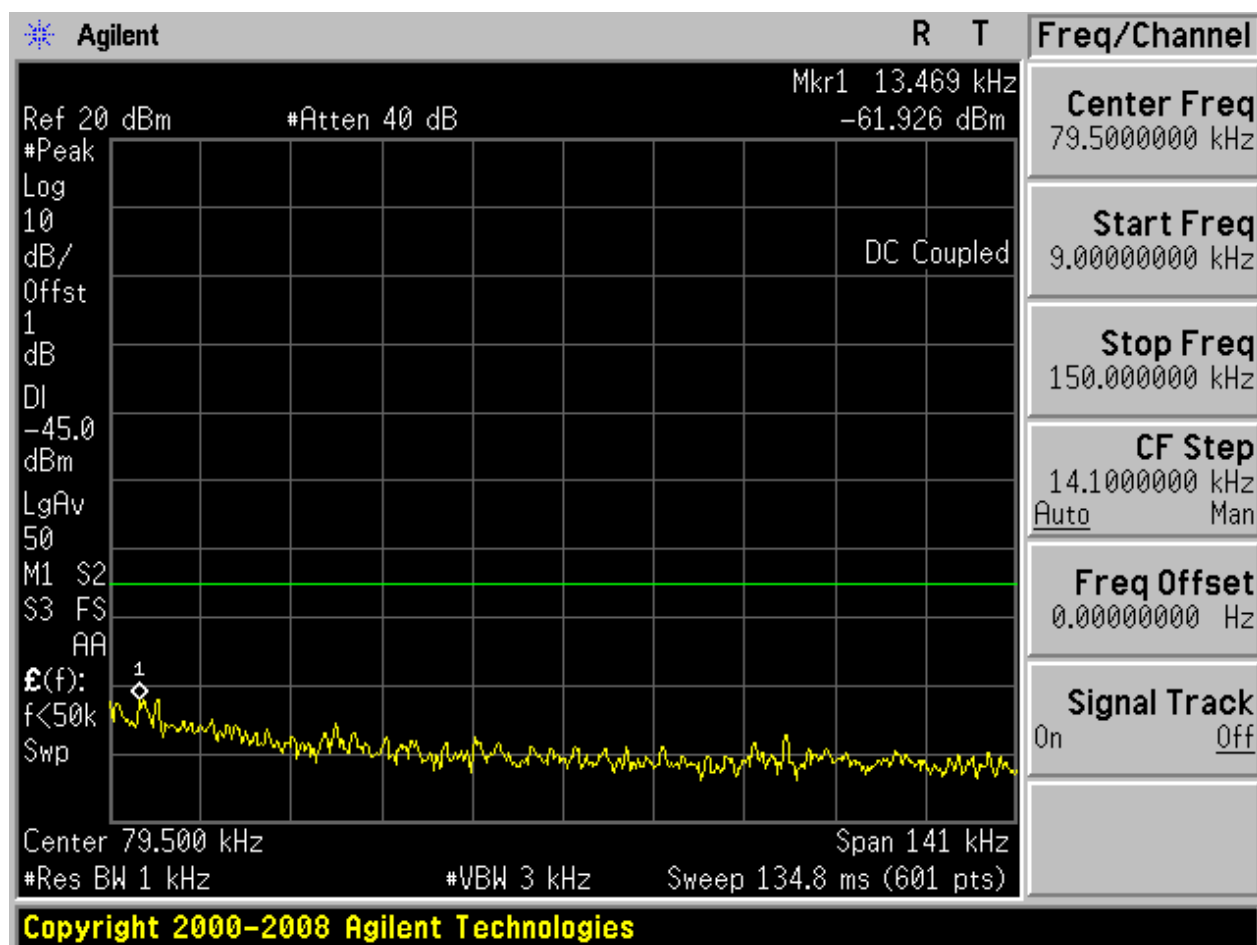
2.12 11G_H@Ant 2

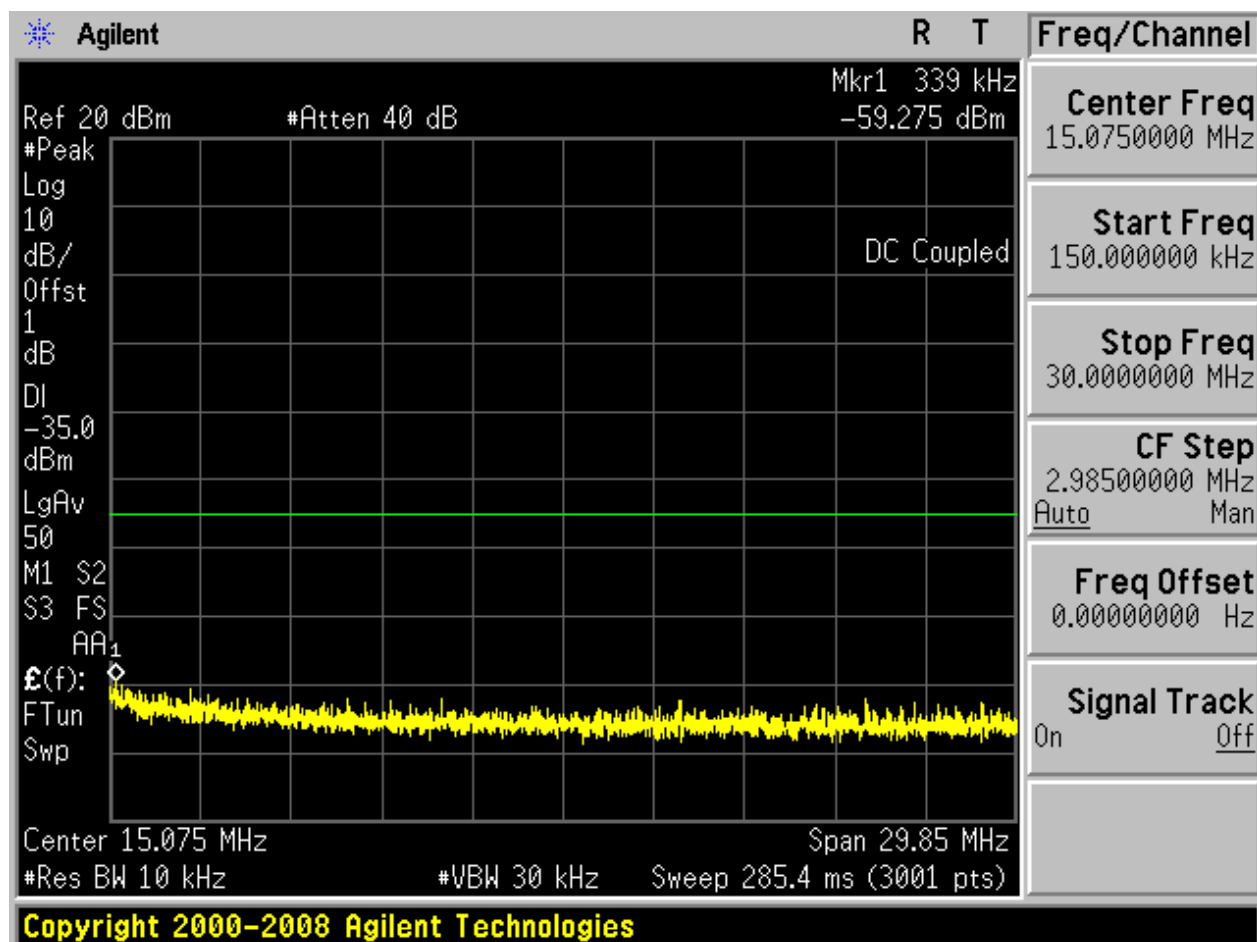
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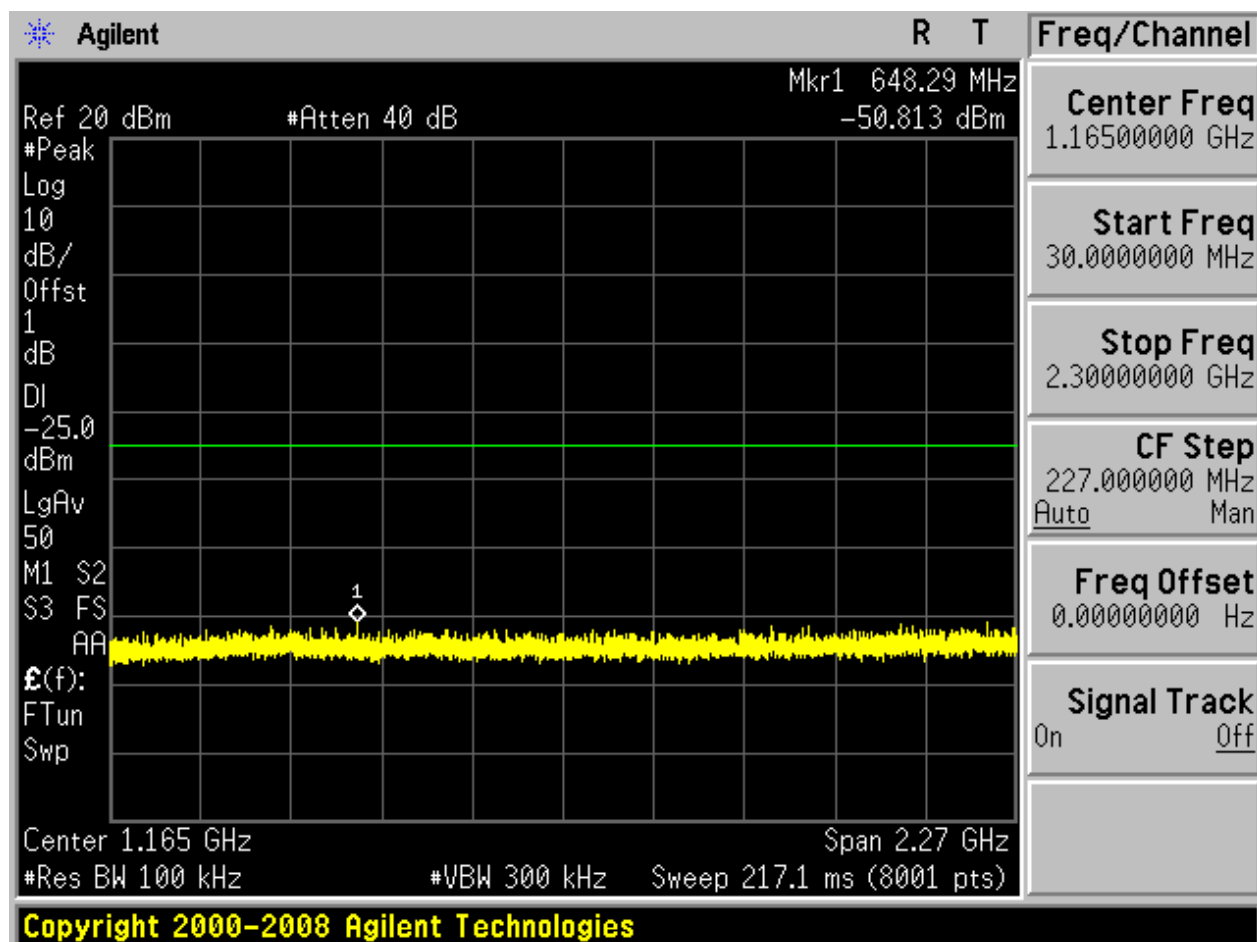


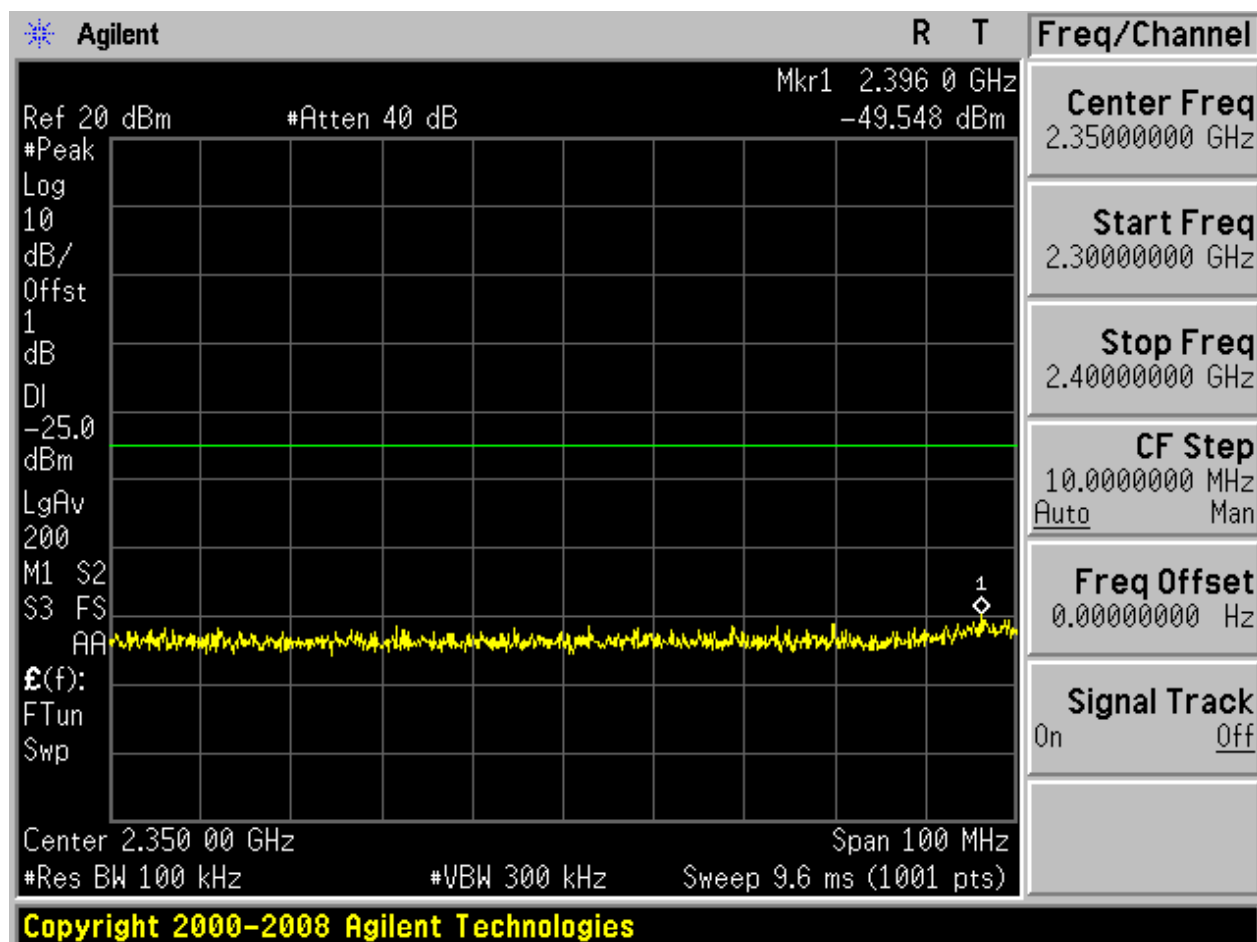


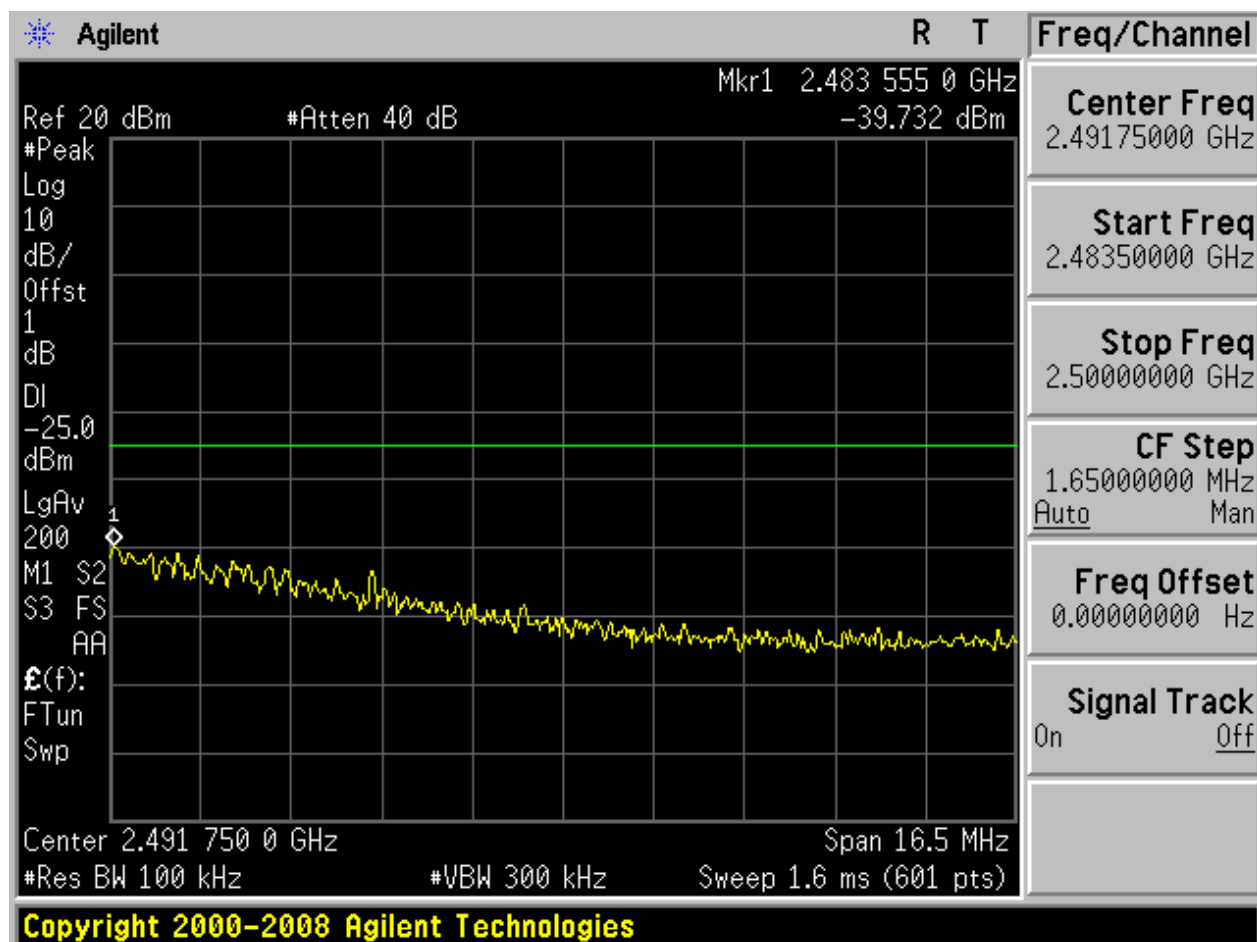
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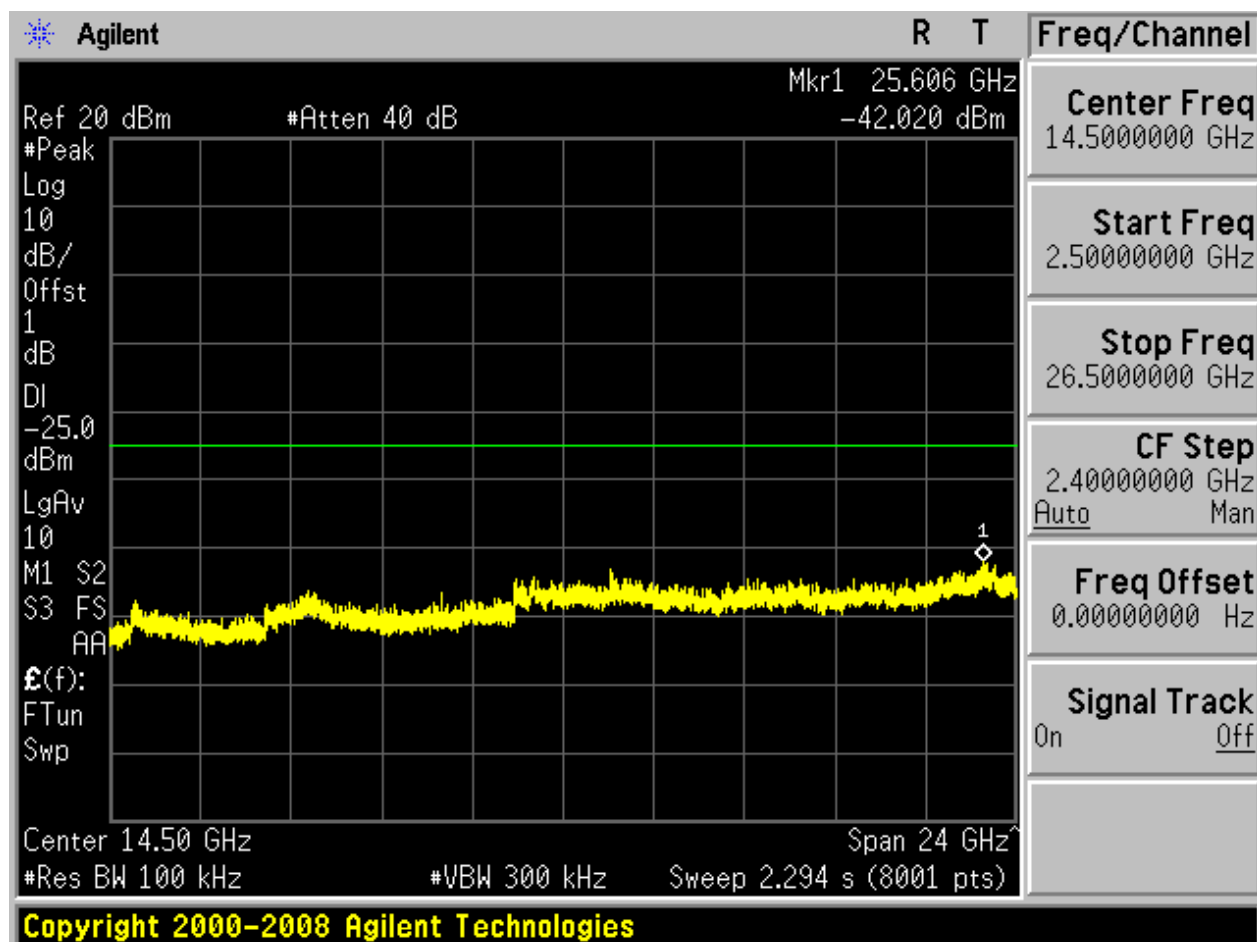








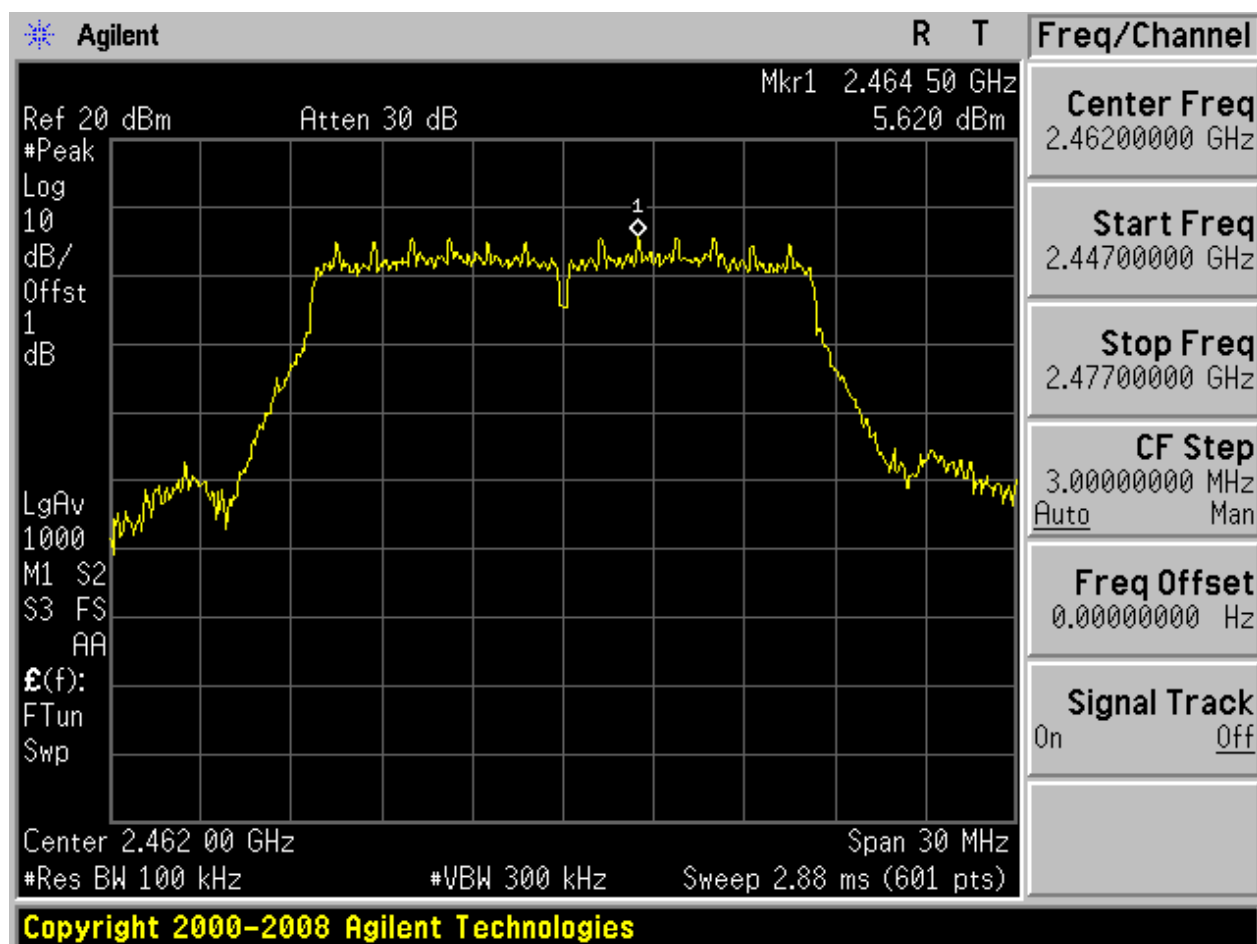






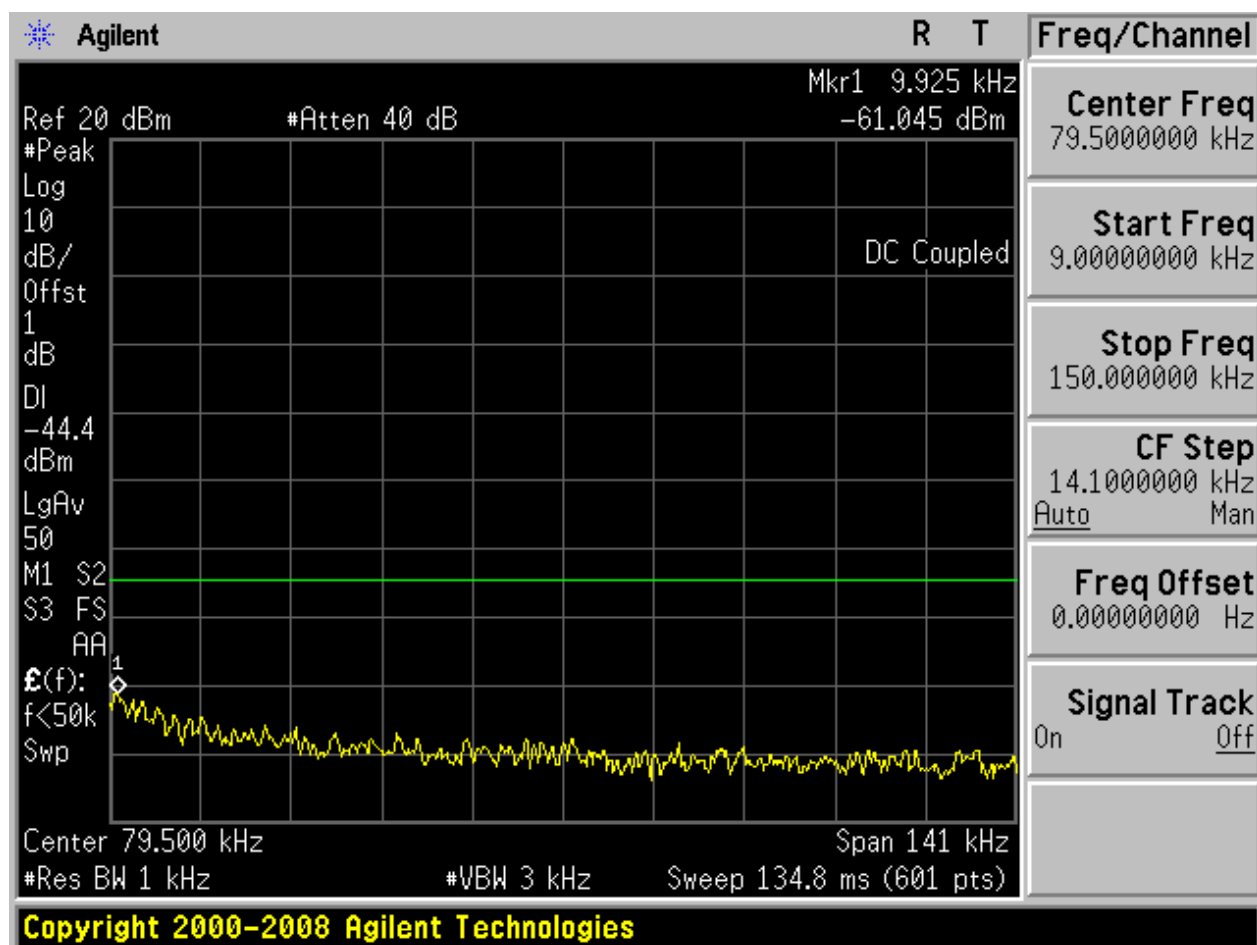
2.11 11G_H@Ant 1

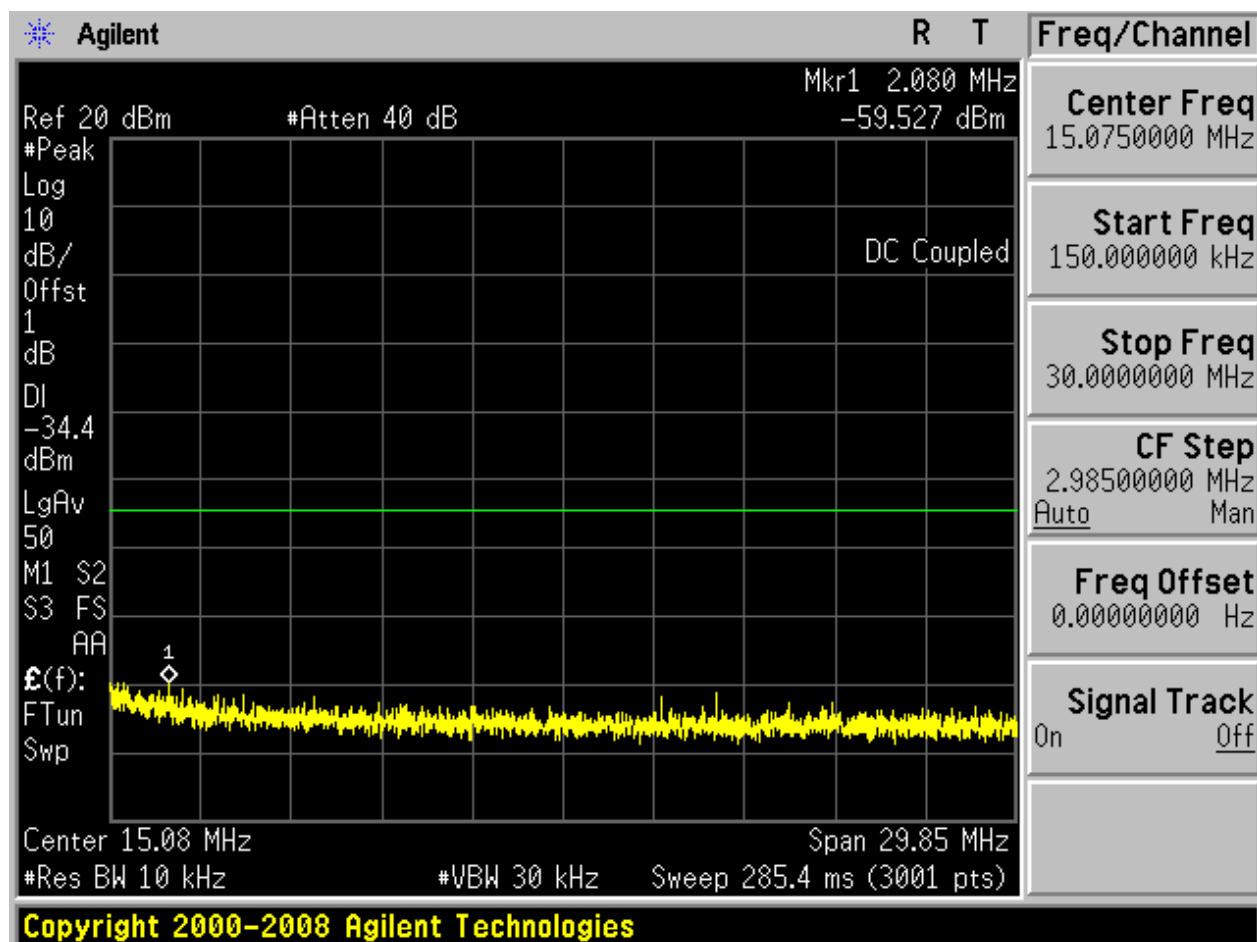
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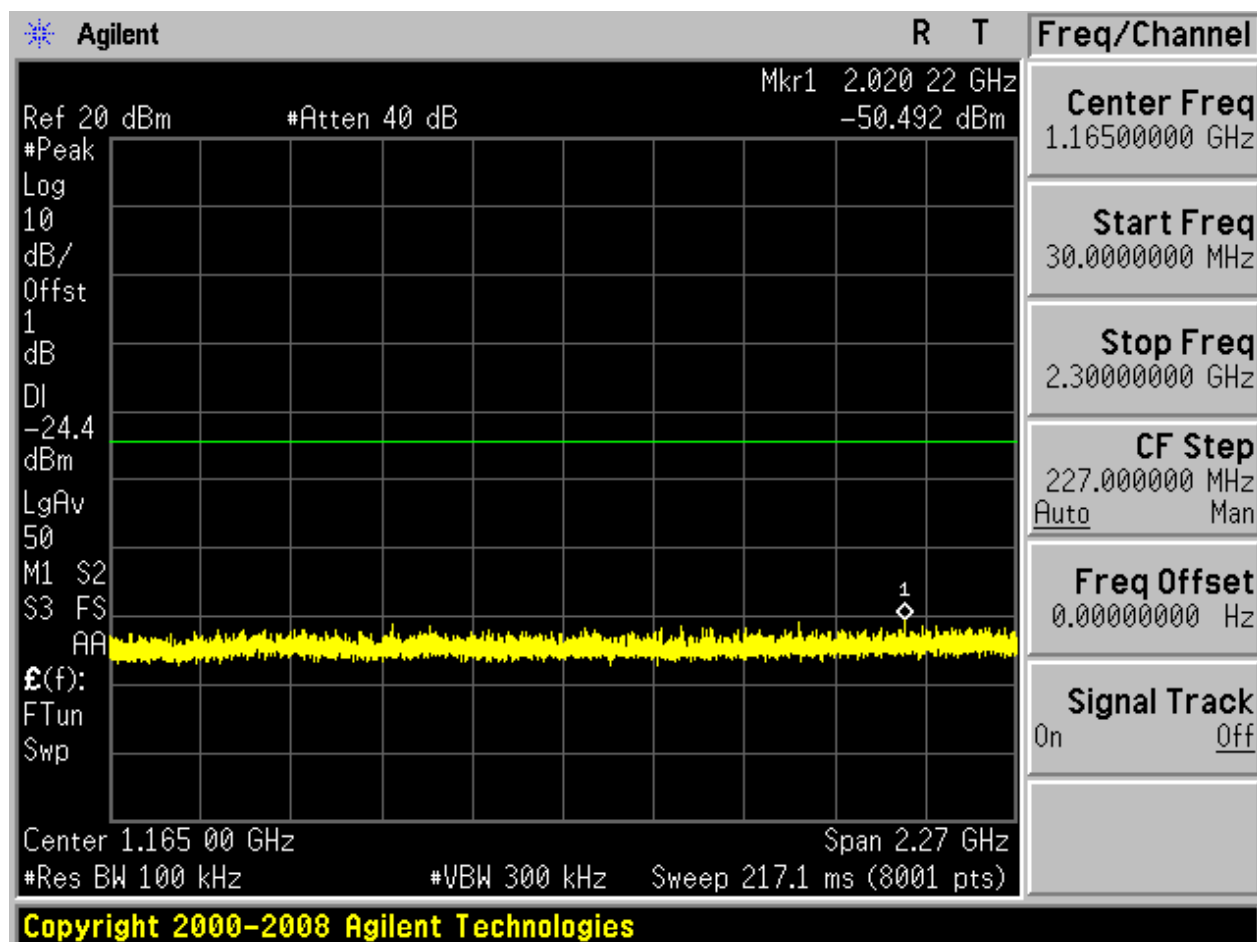


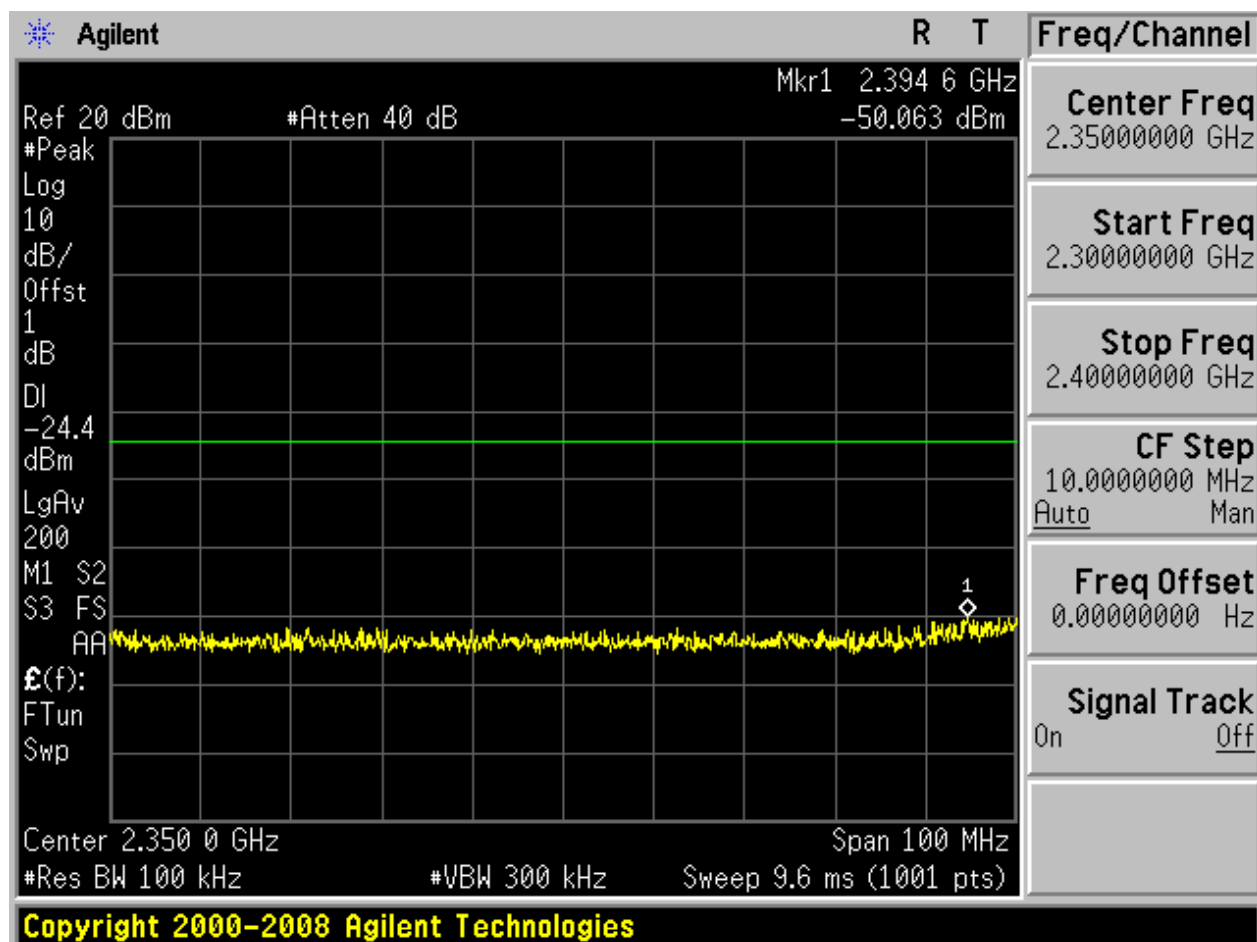


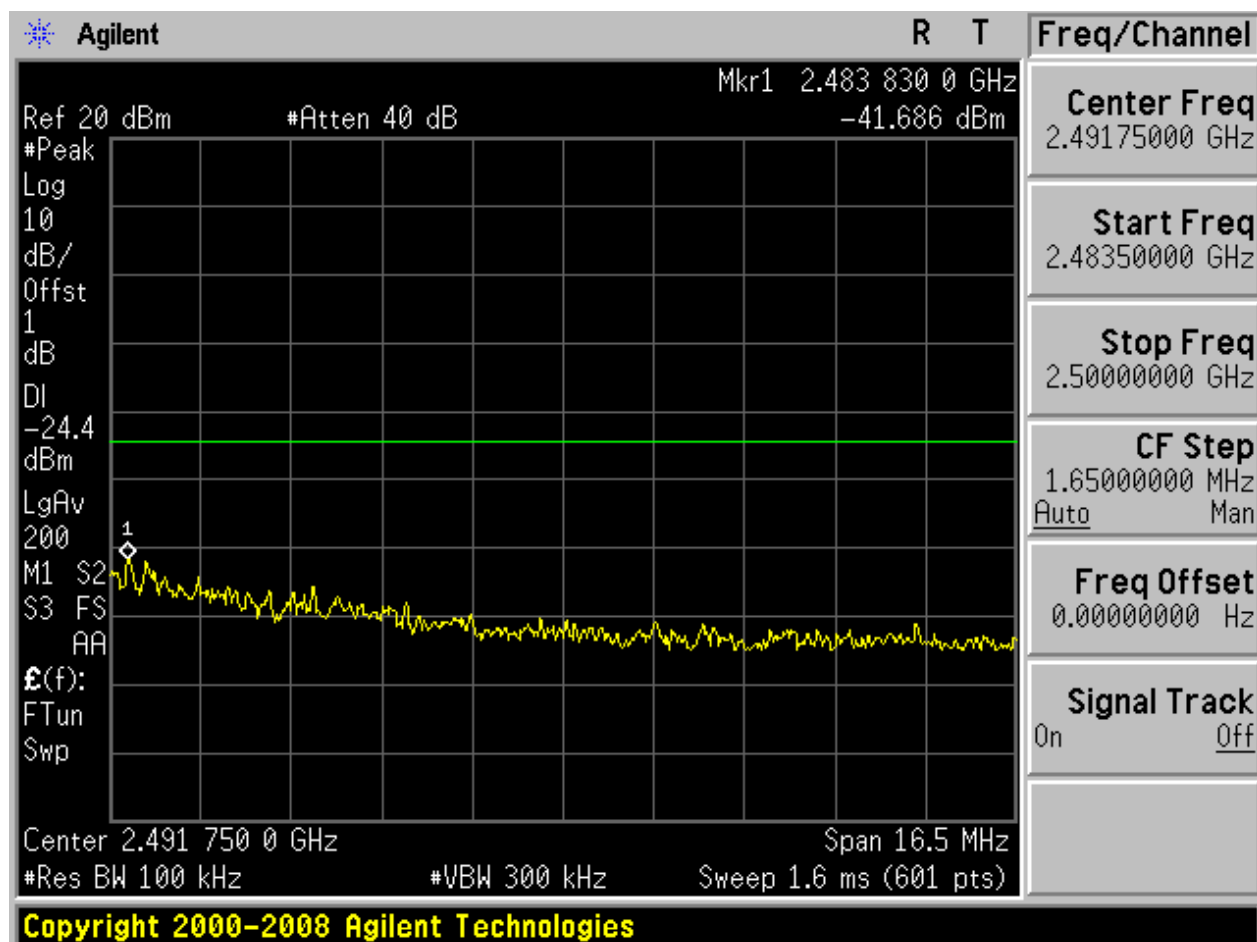
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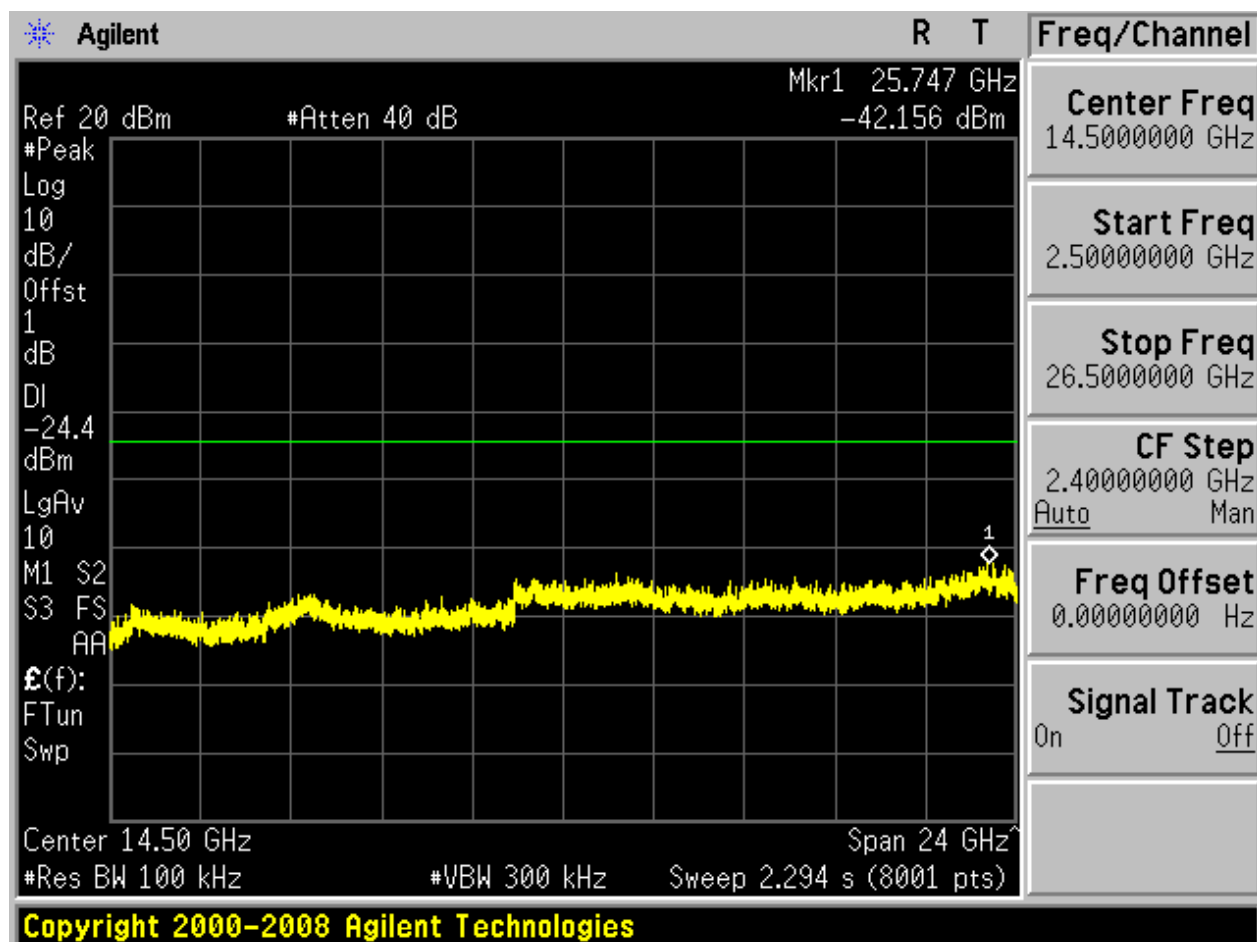






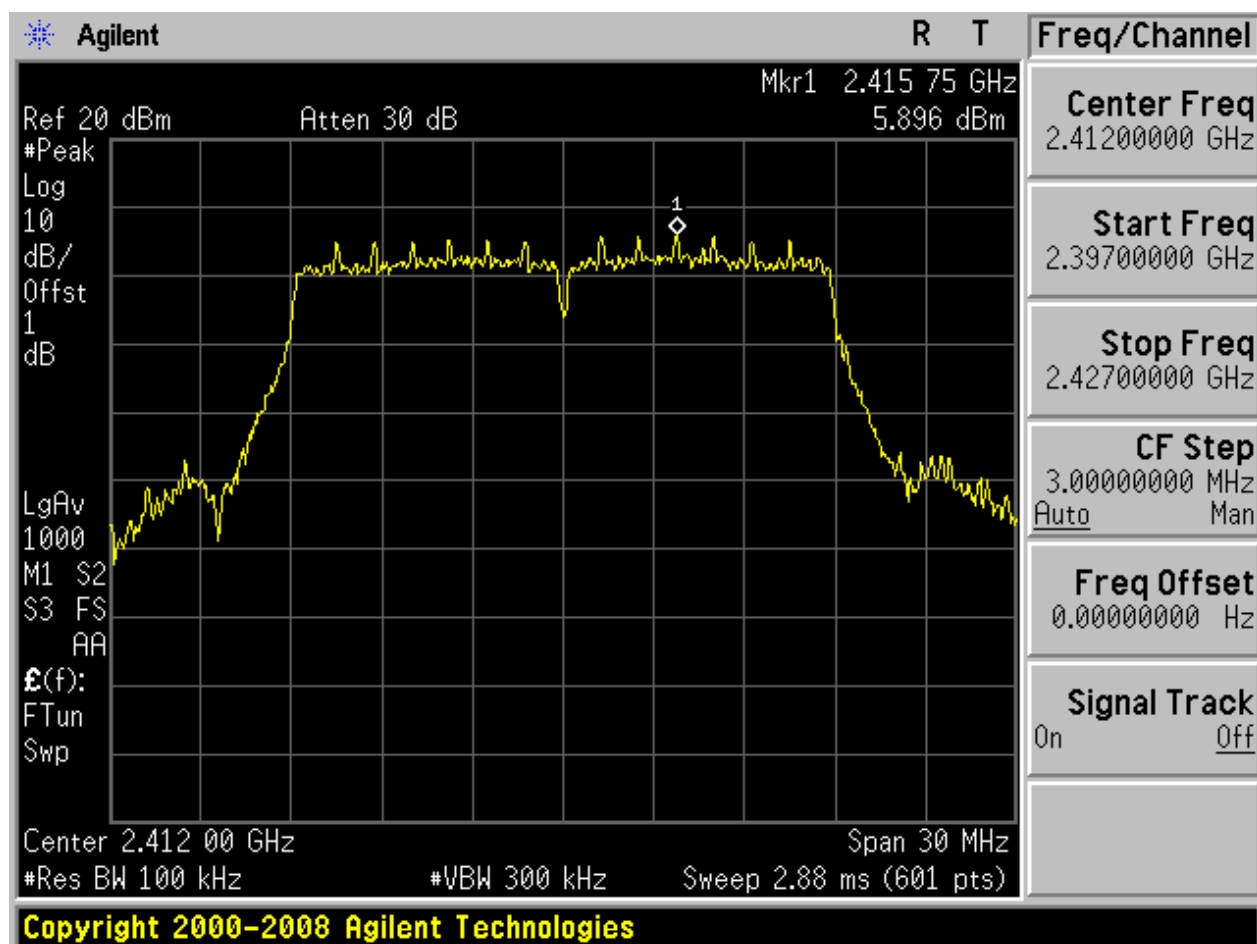






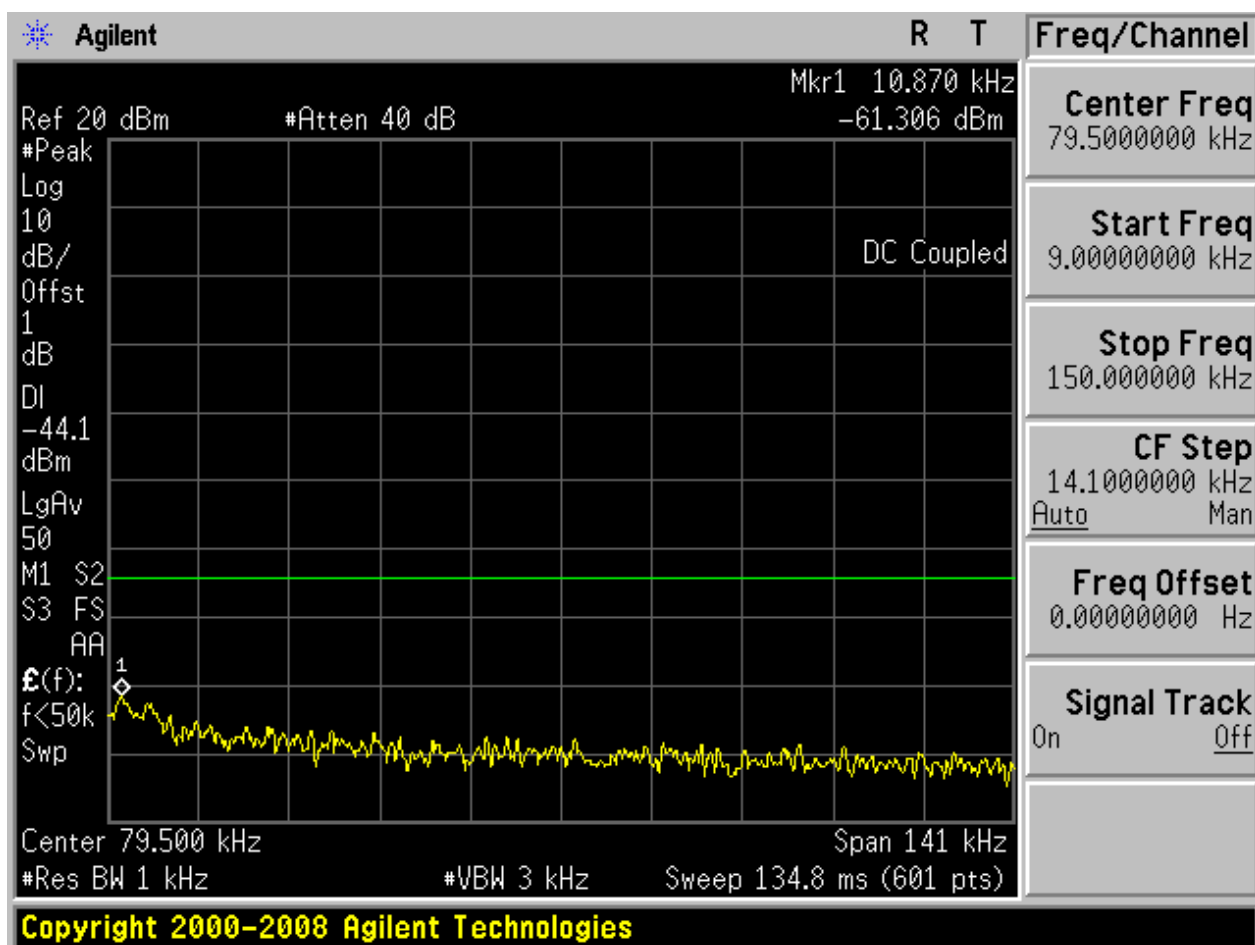
2.13 11N20_L@Ant 1

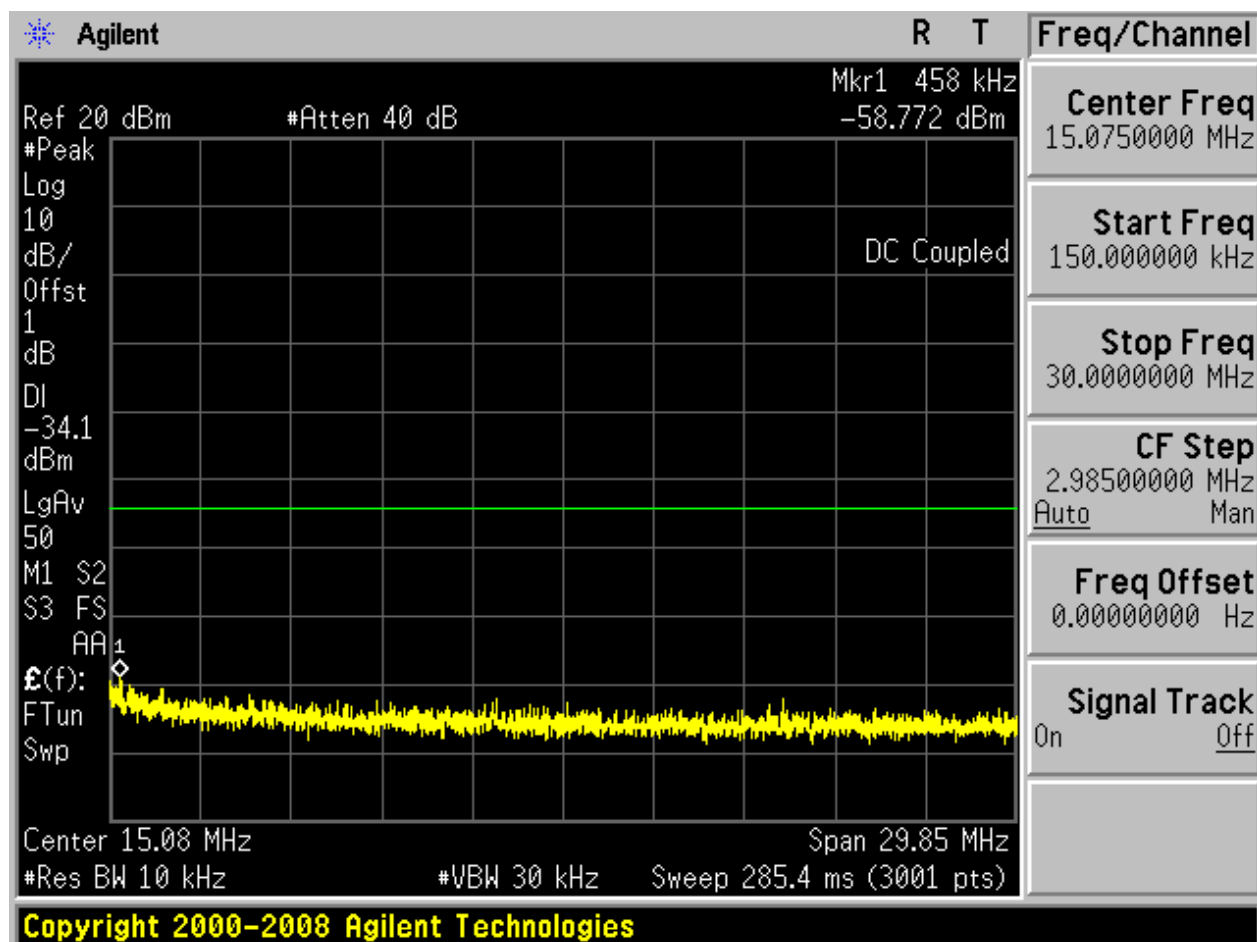
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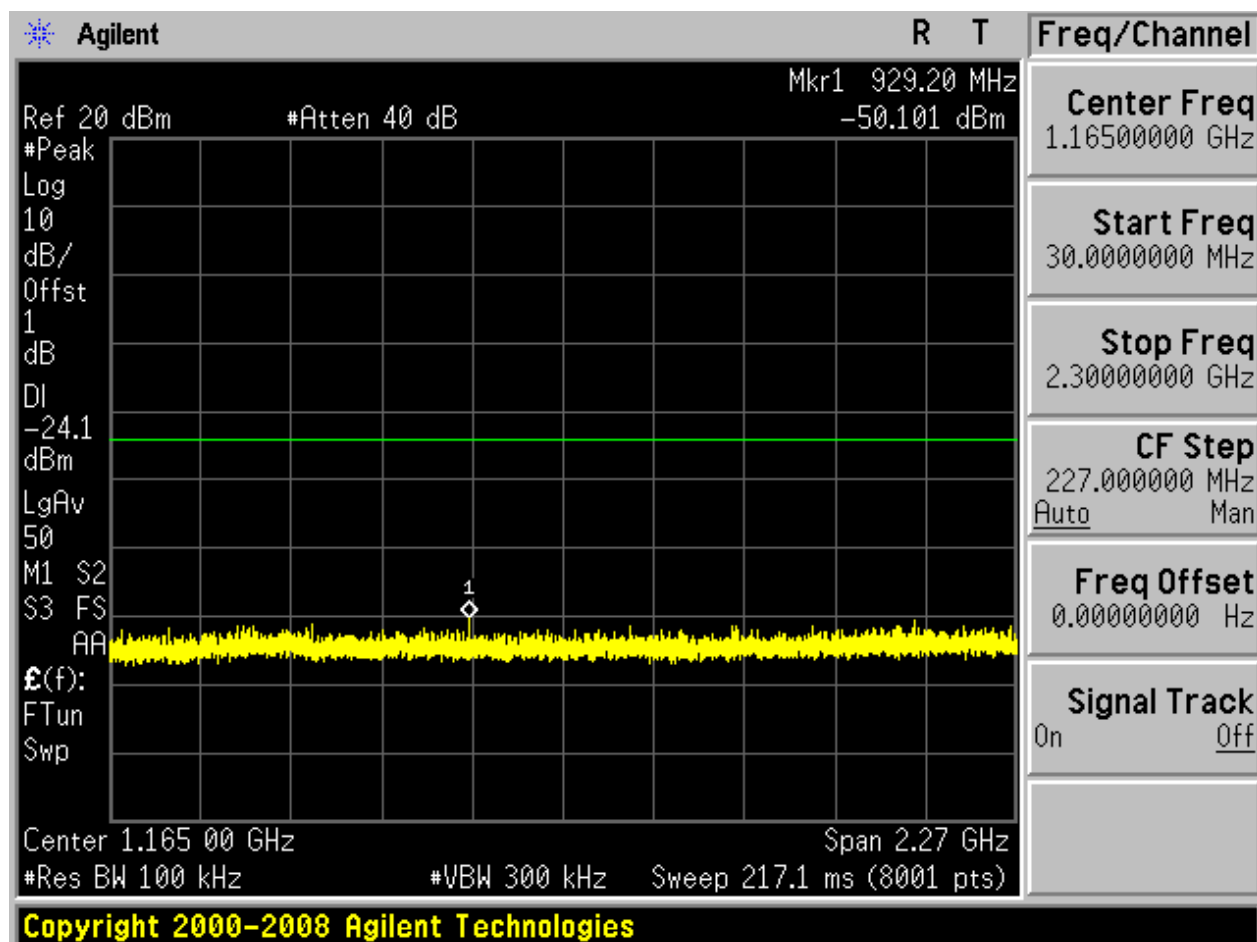


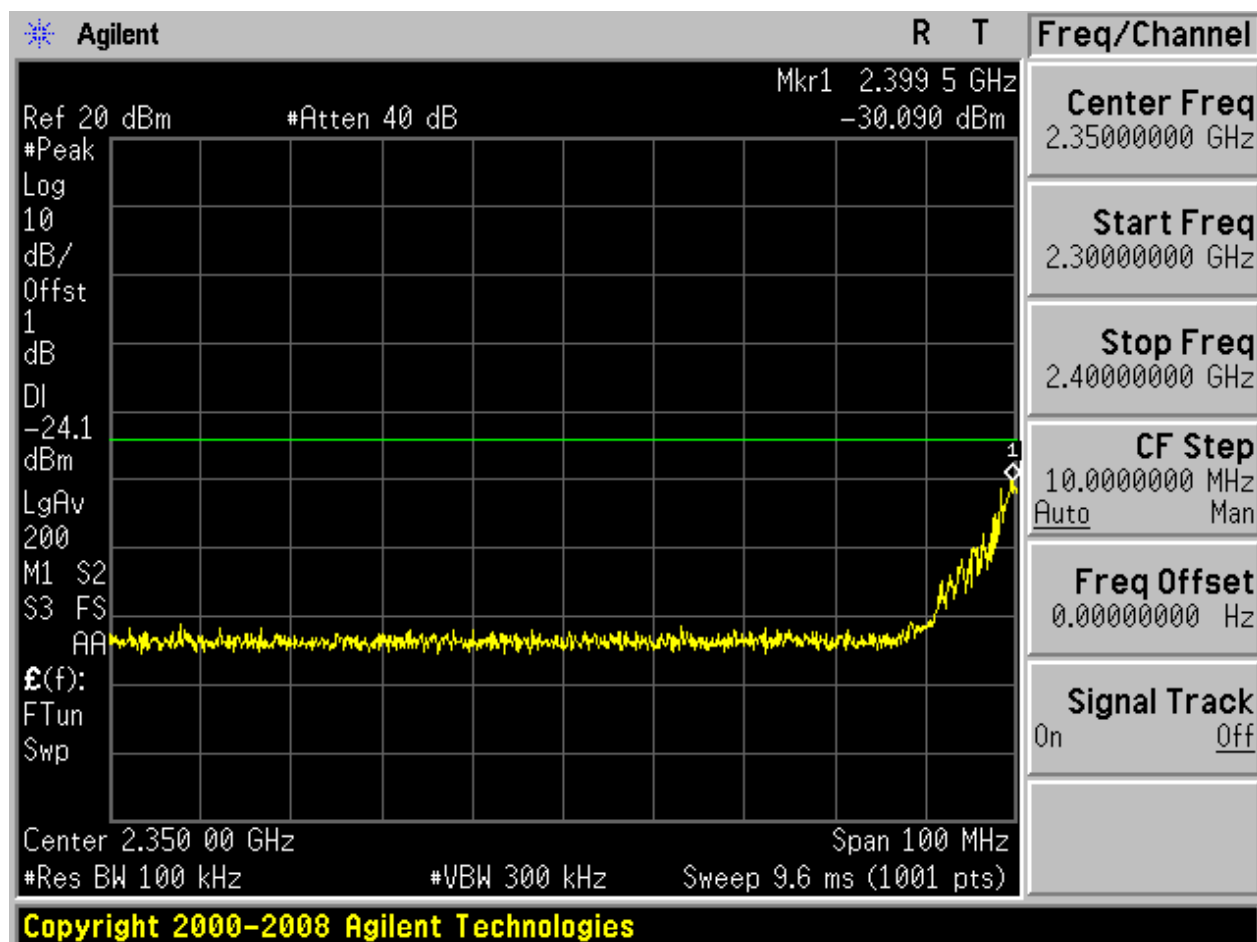


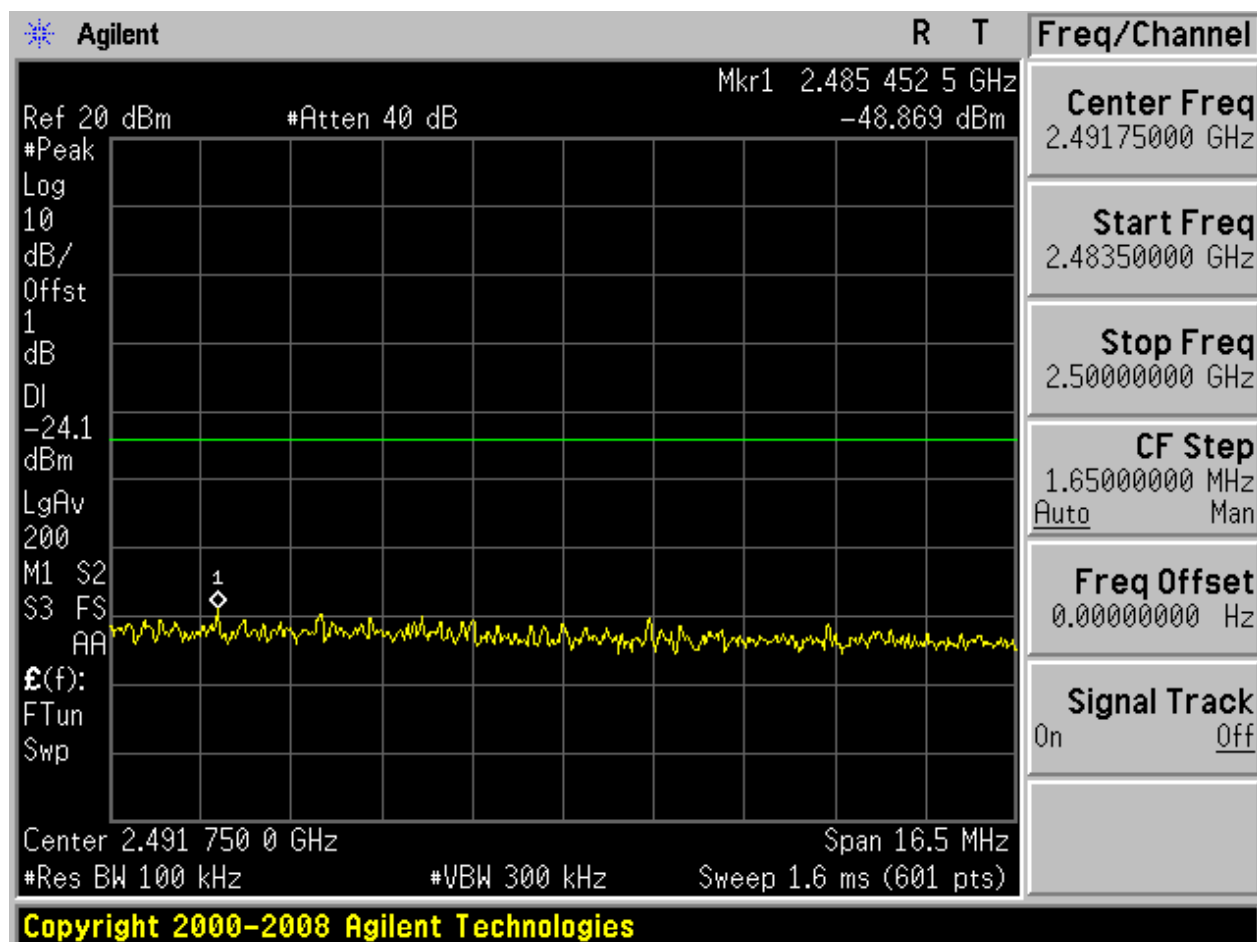
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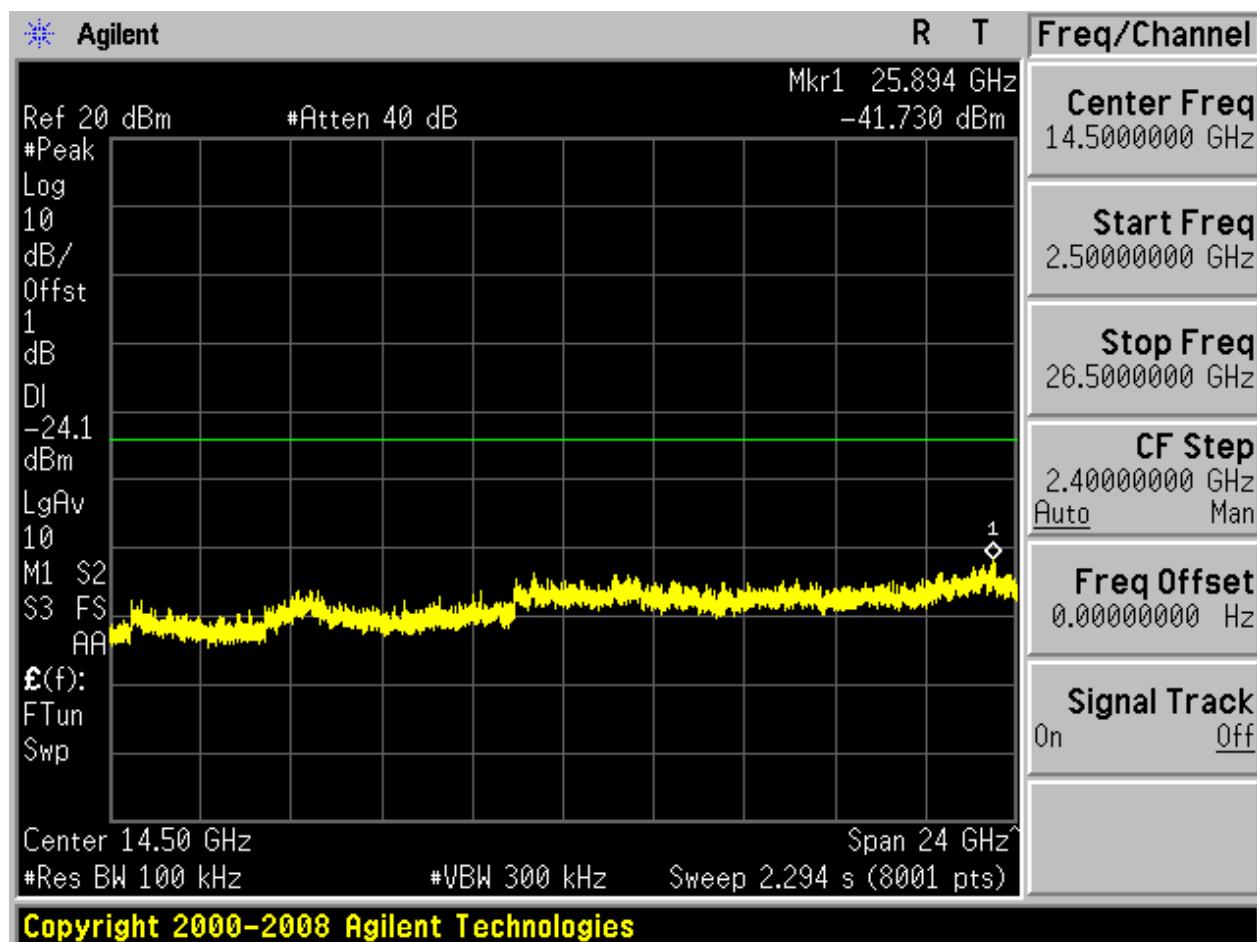








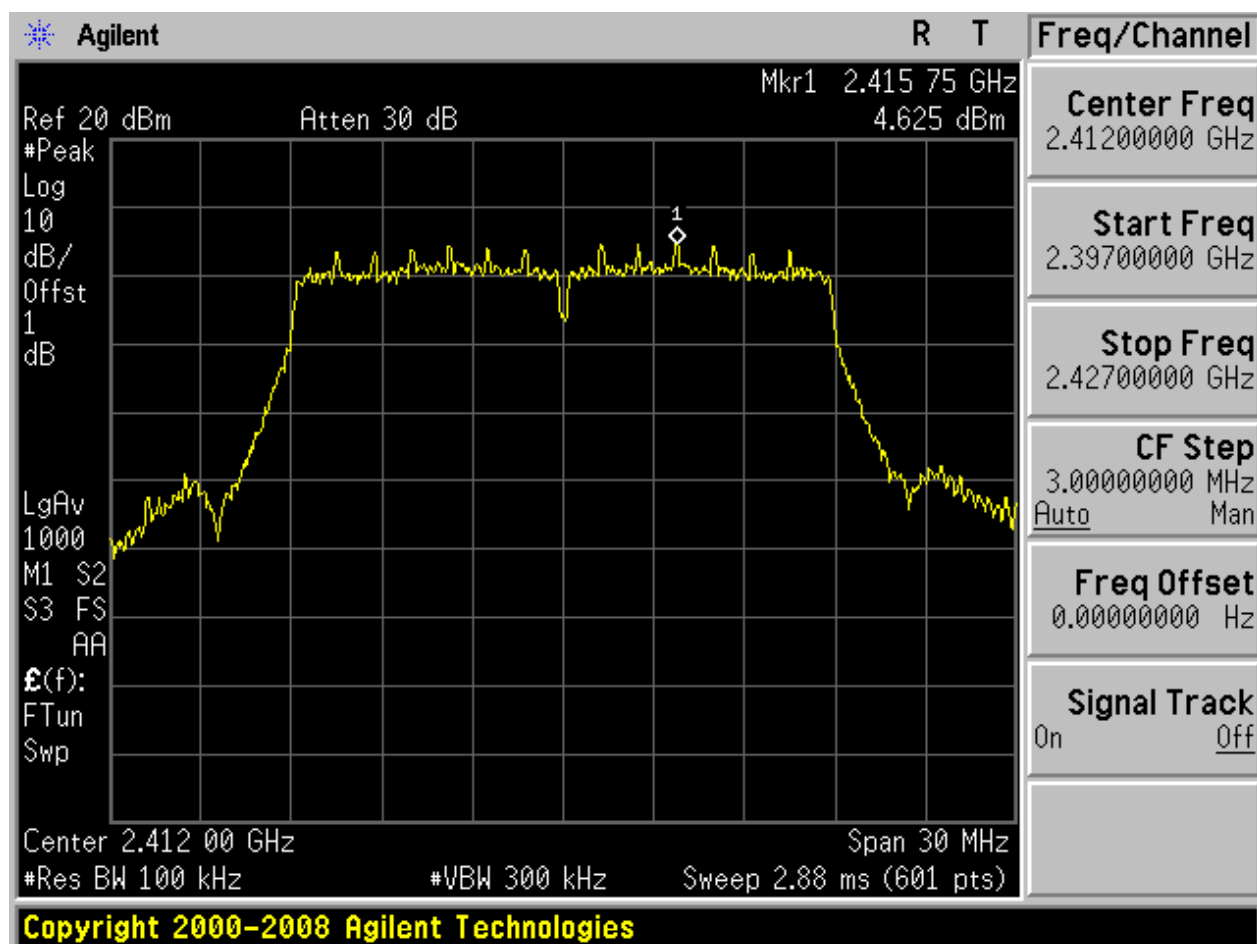






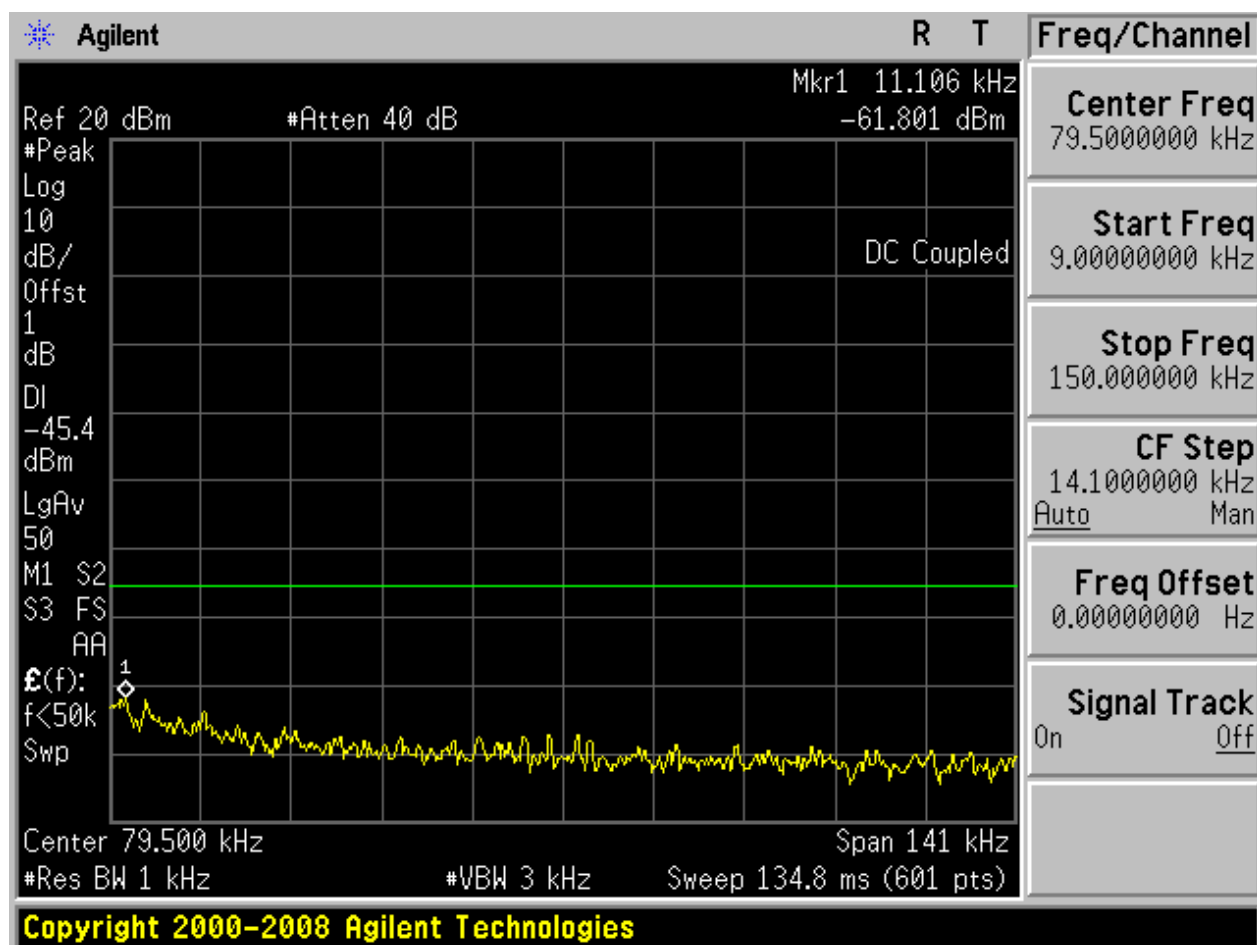
2.14 11N20_L@Ant 2

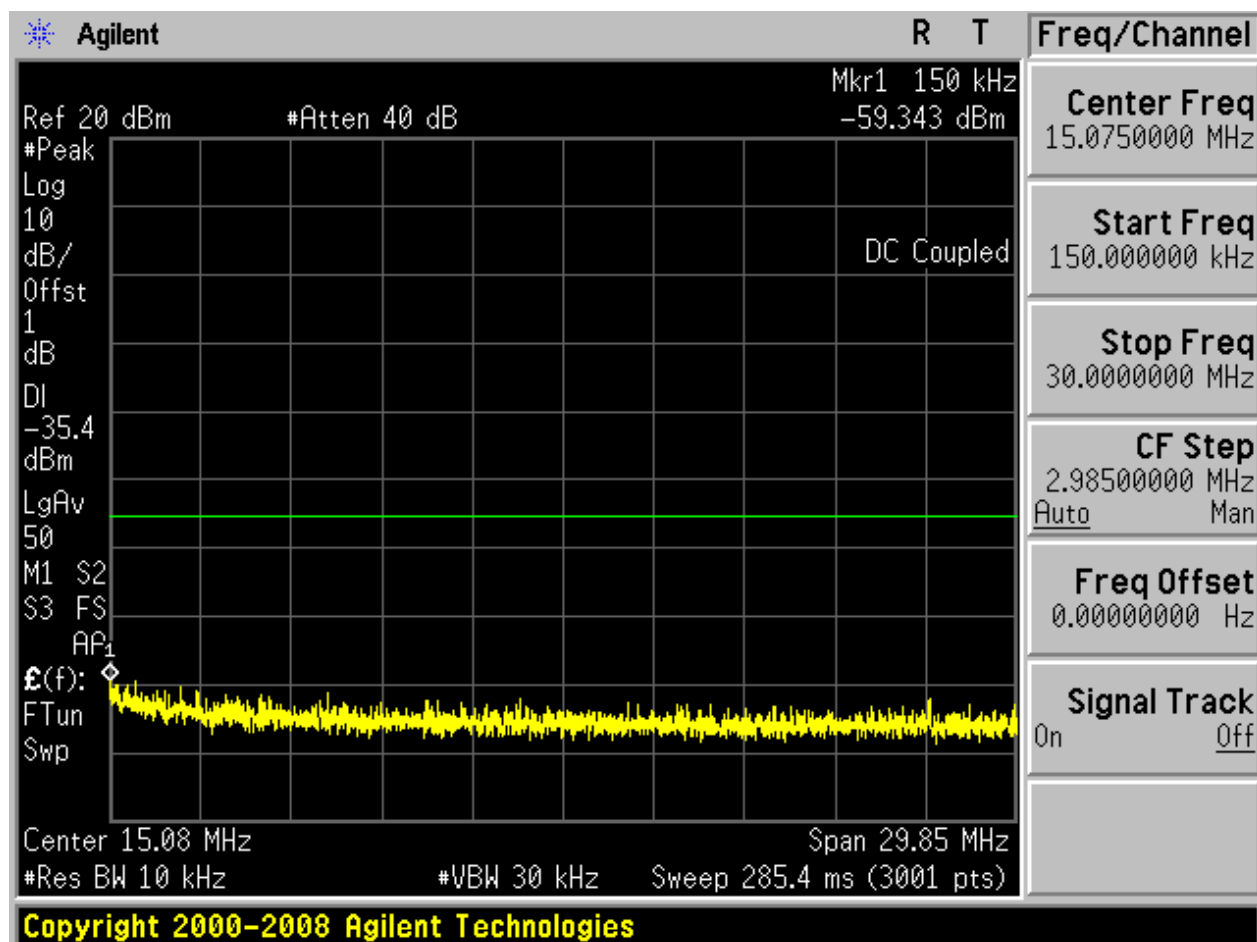
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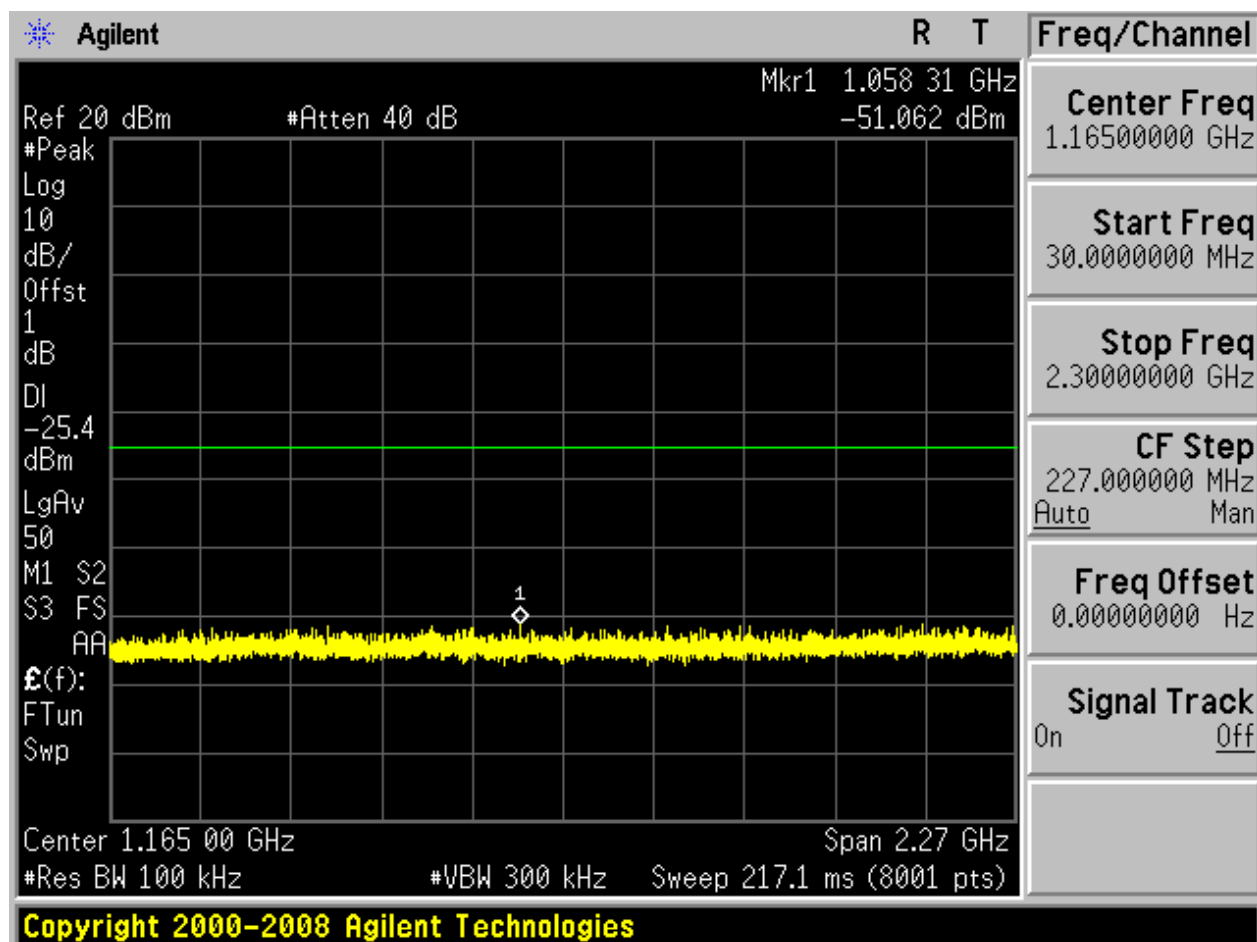


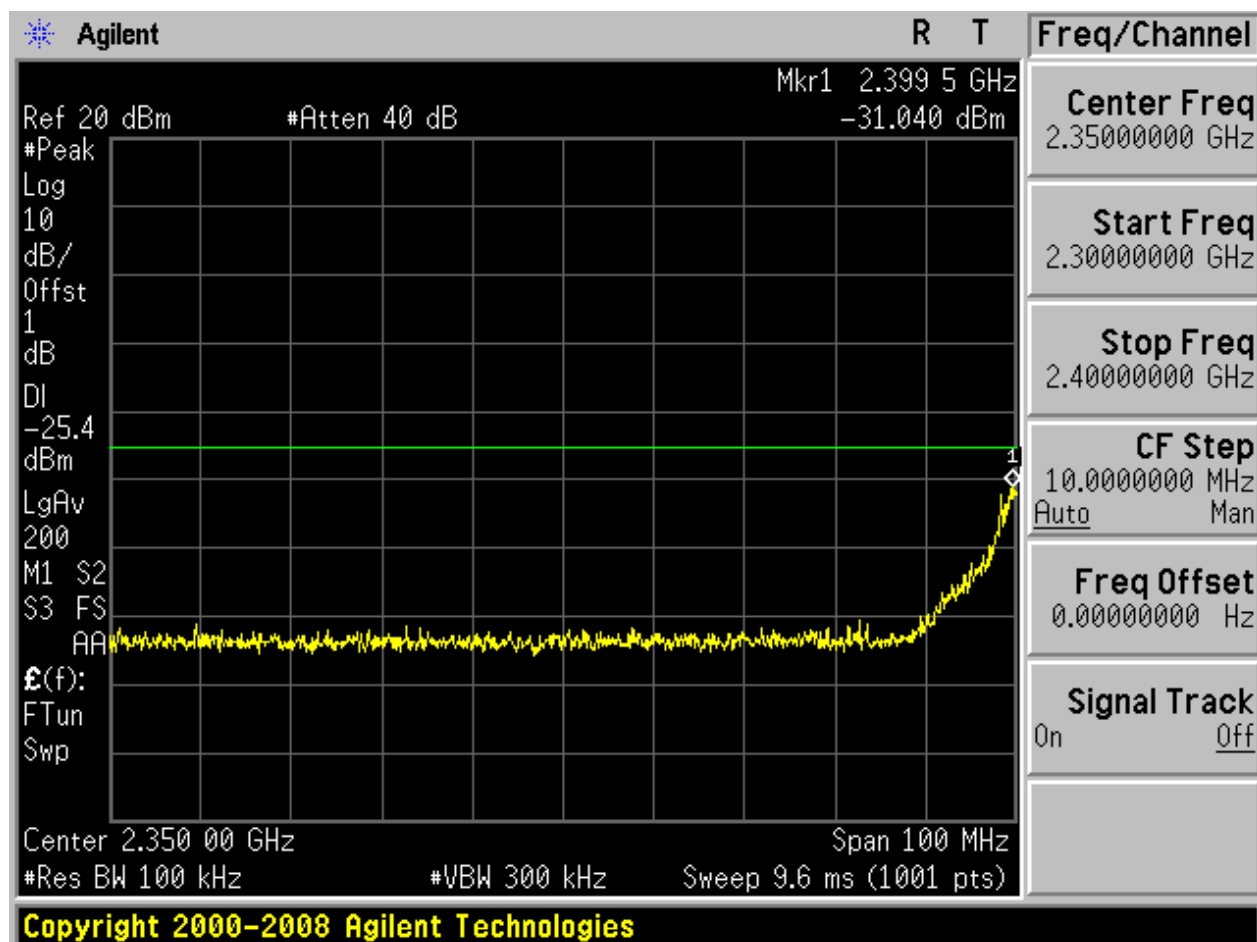


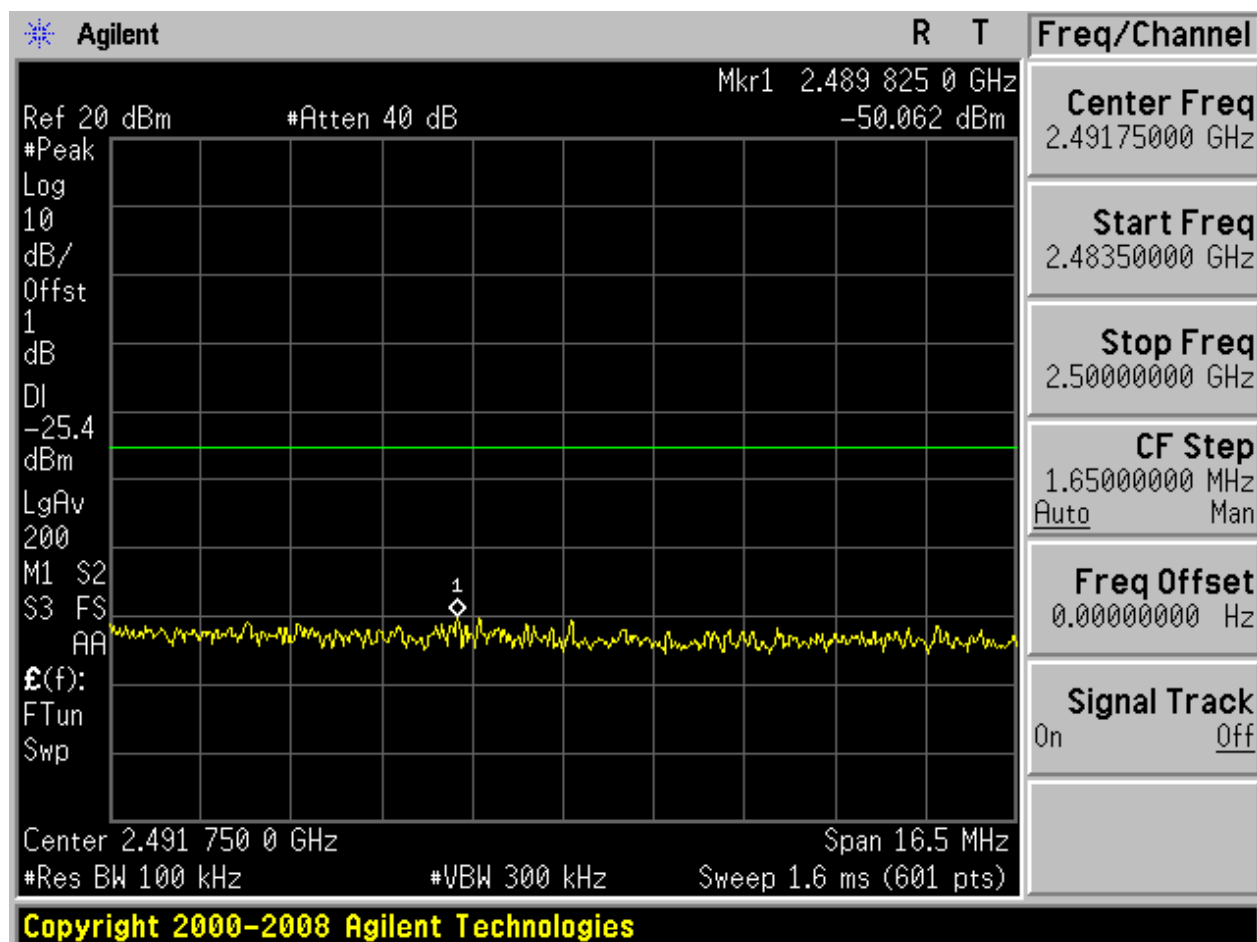
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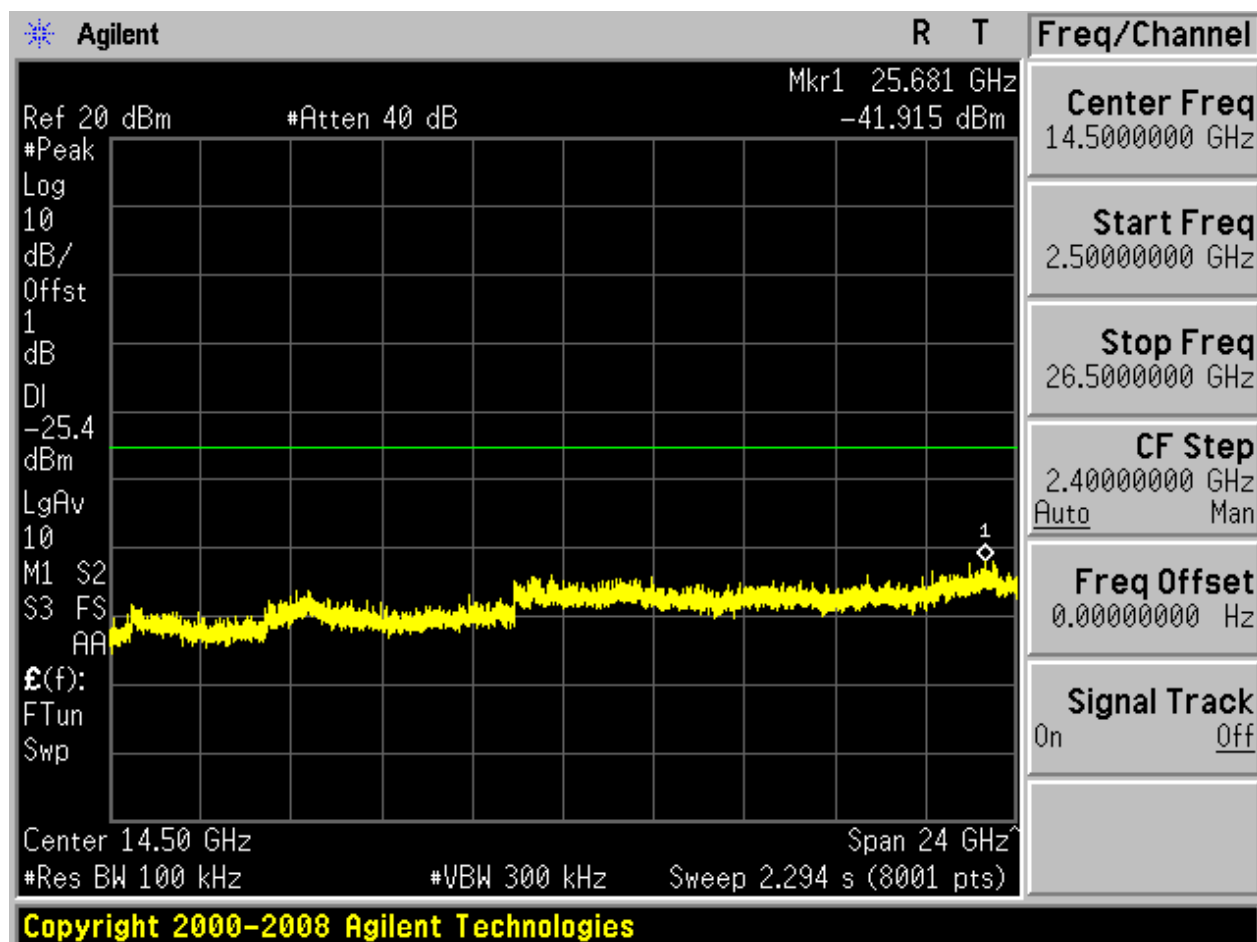








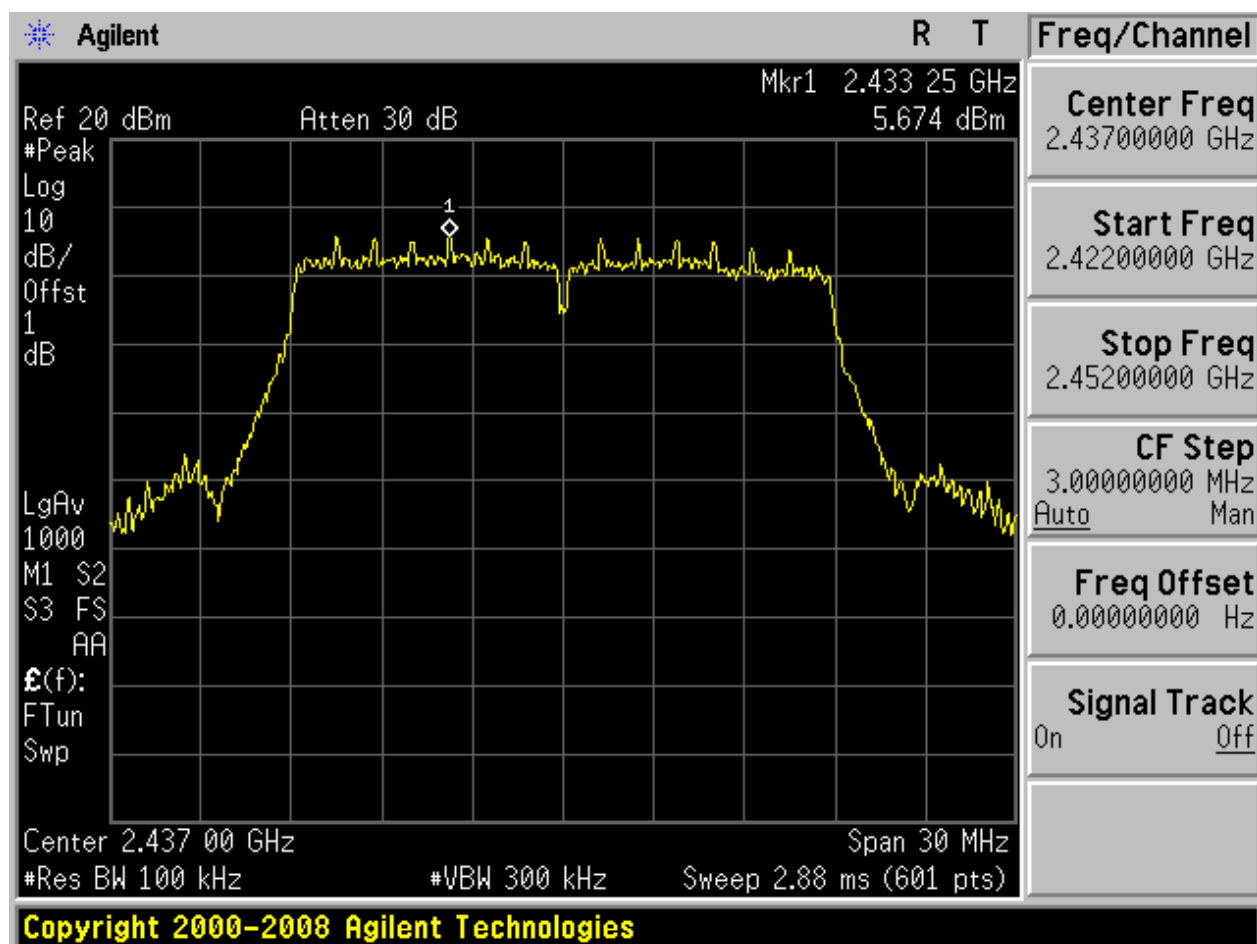






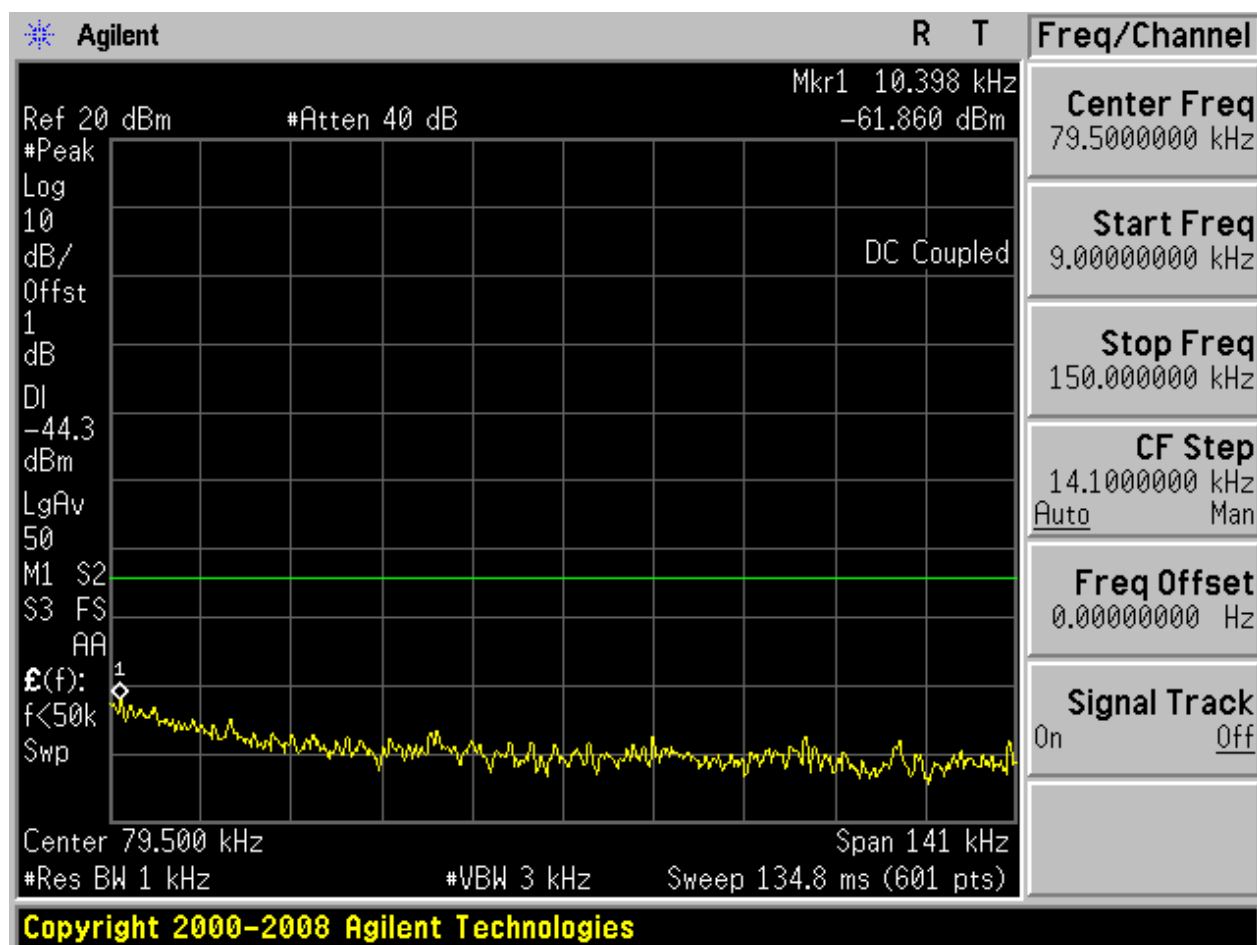
2.15 11N20_M@Ant 1

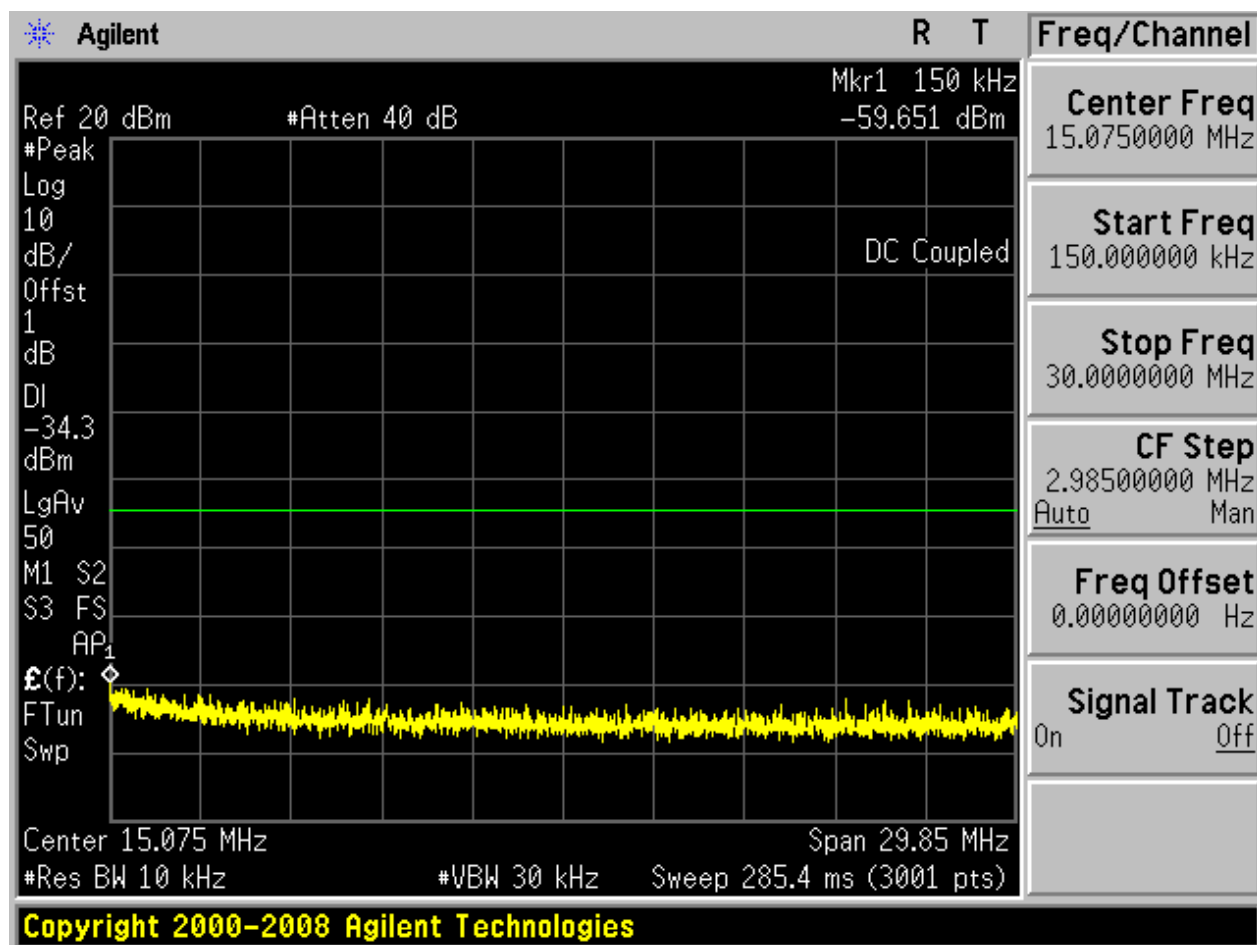
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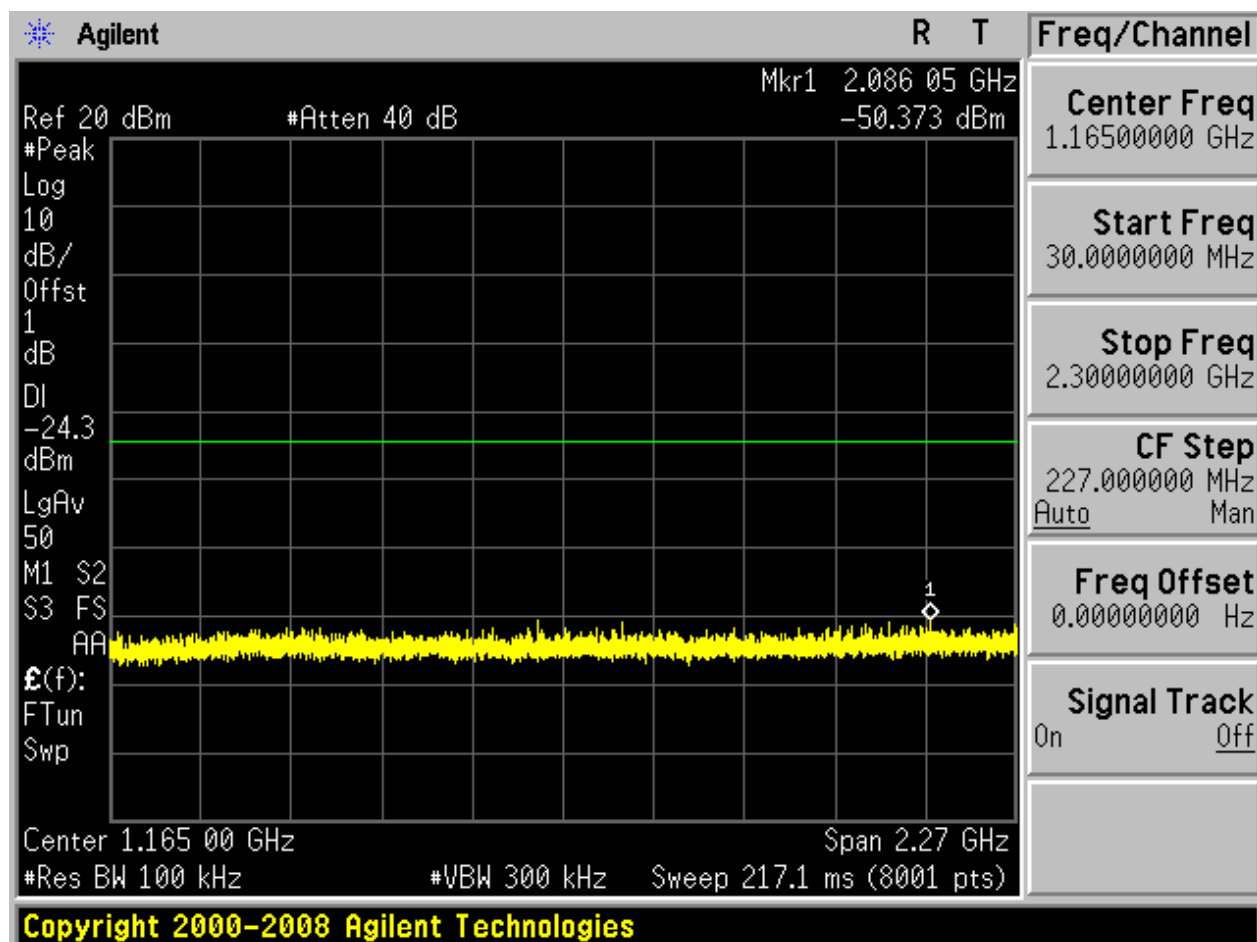


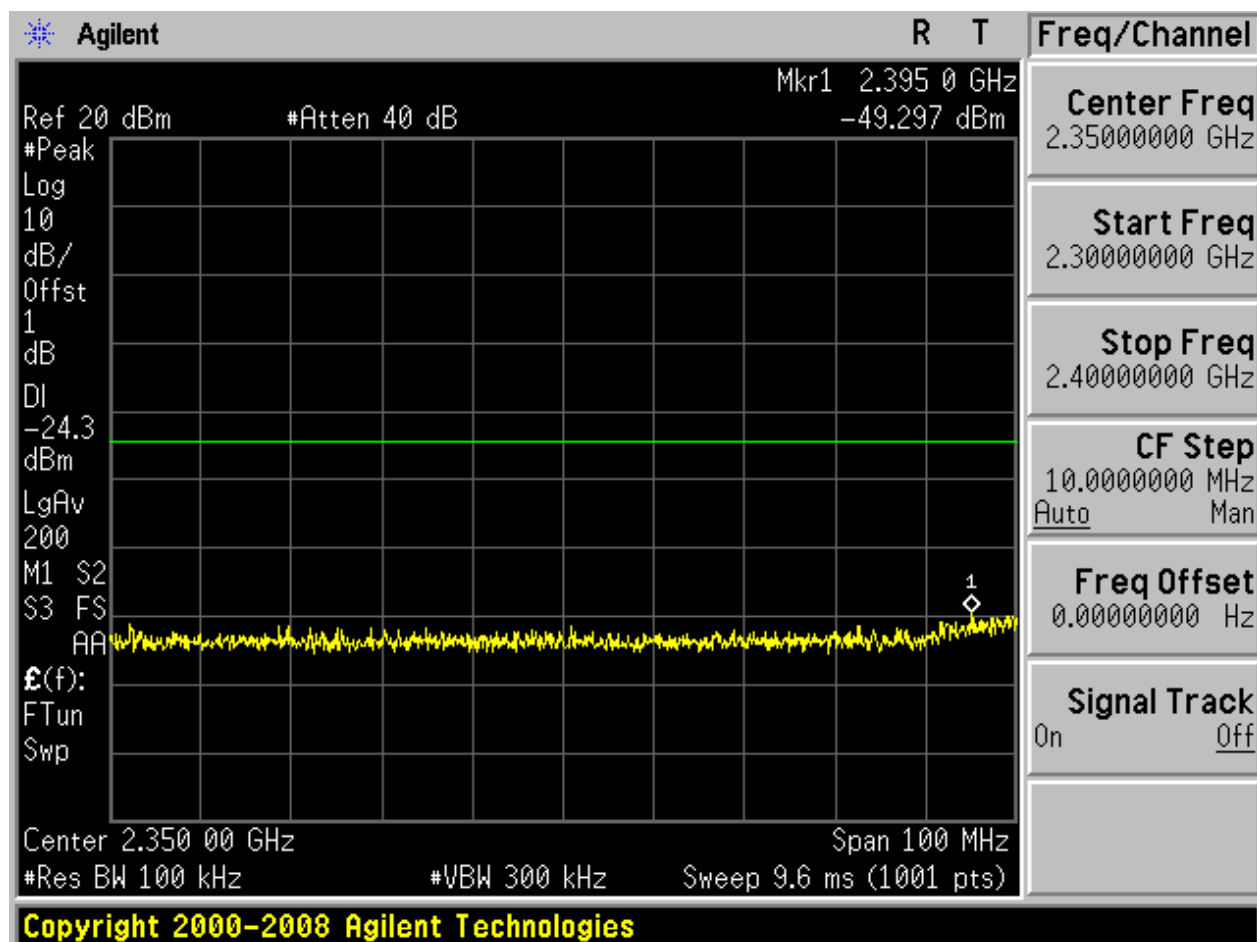


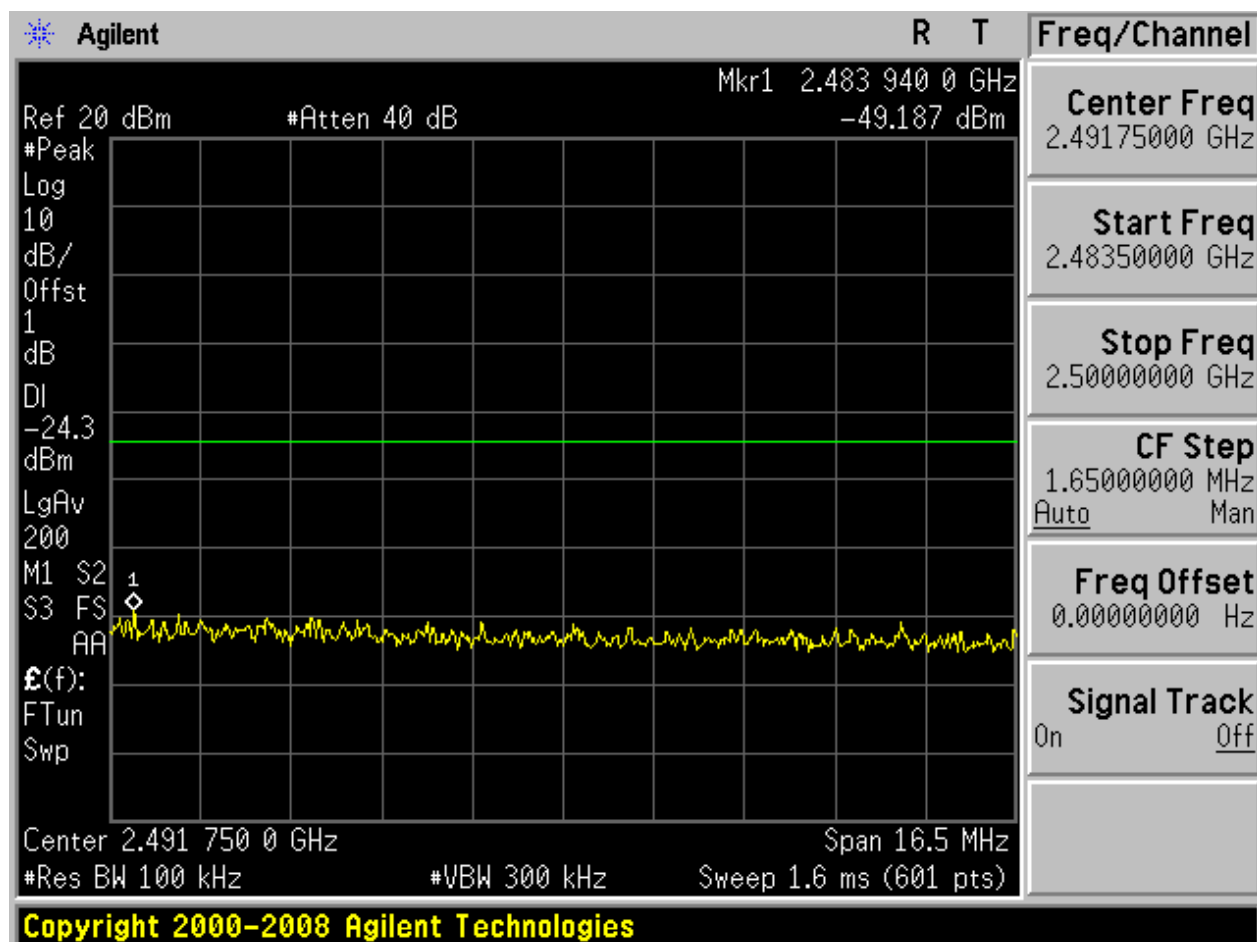
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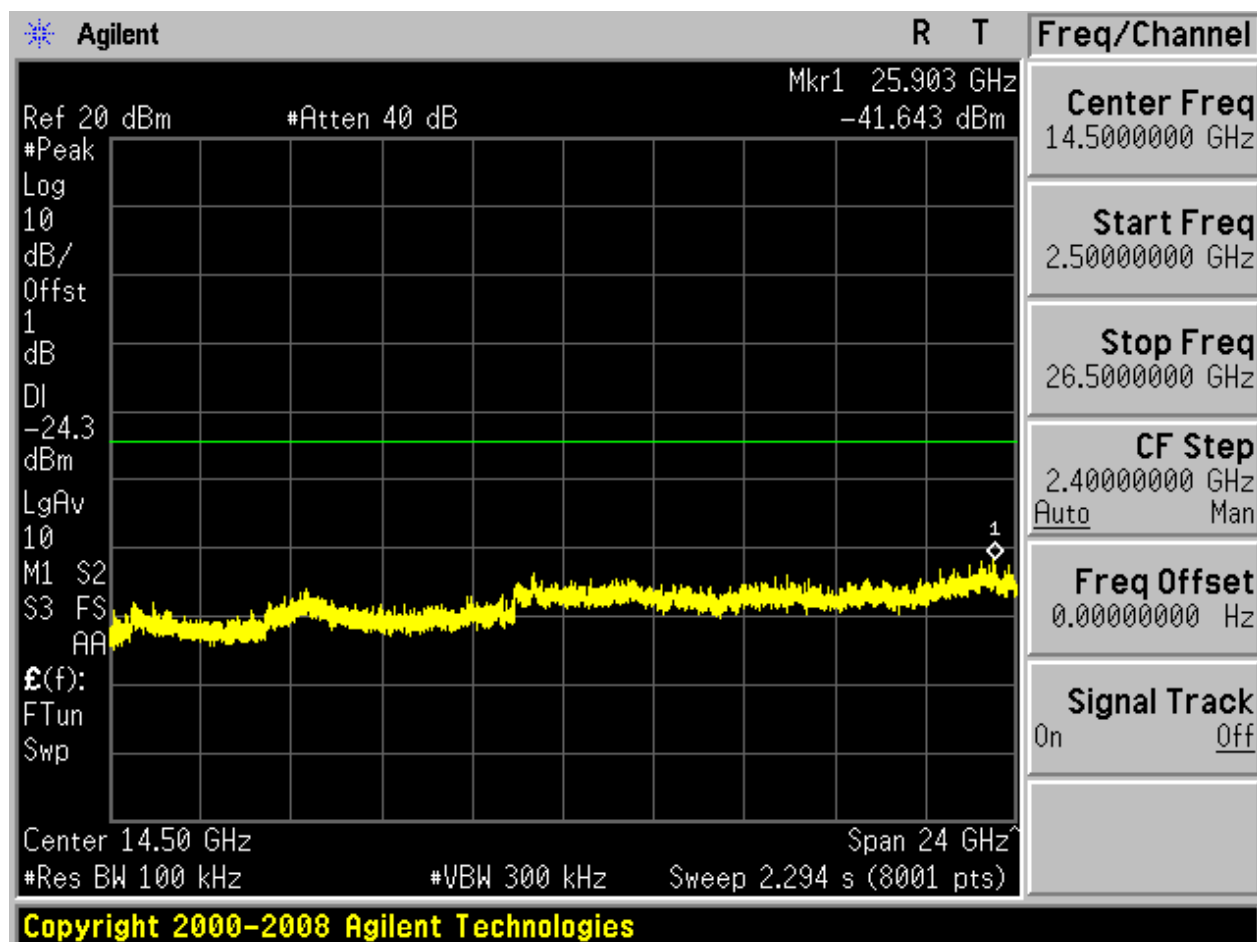








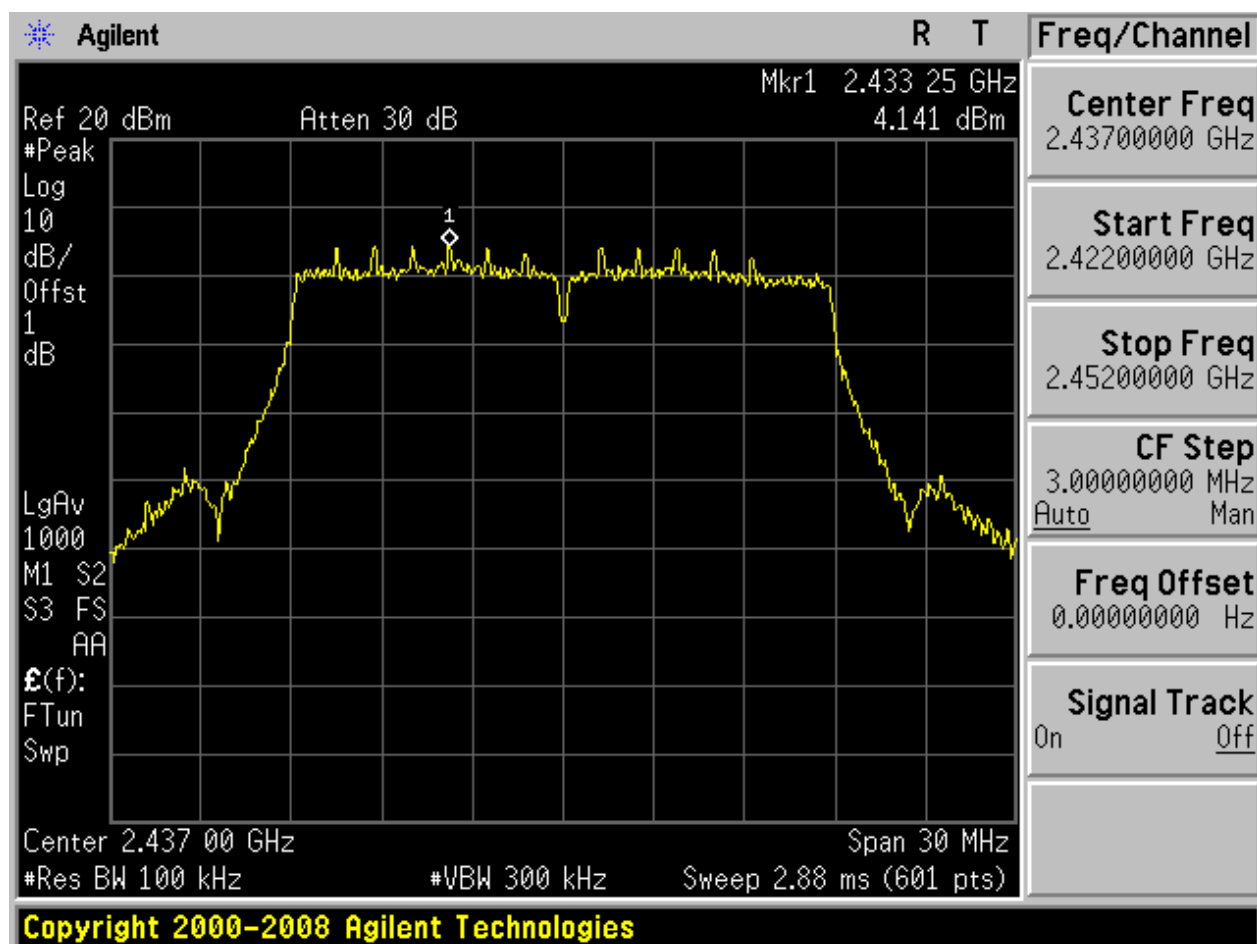






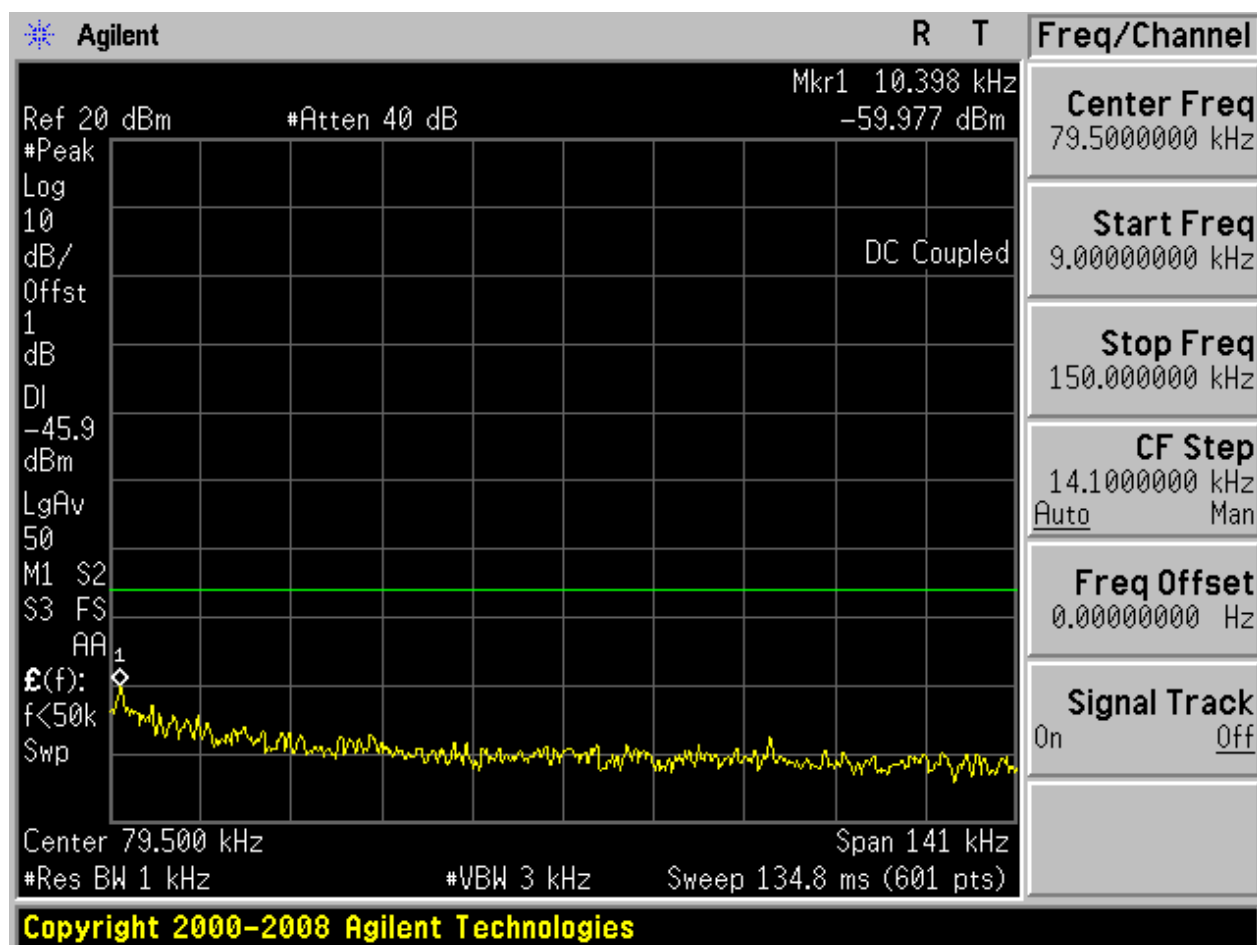
2.16 11N20_M@Ant 2

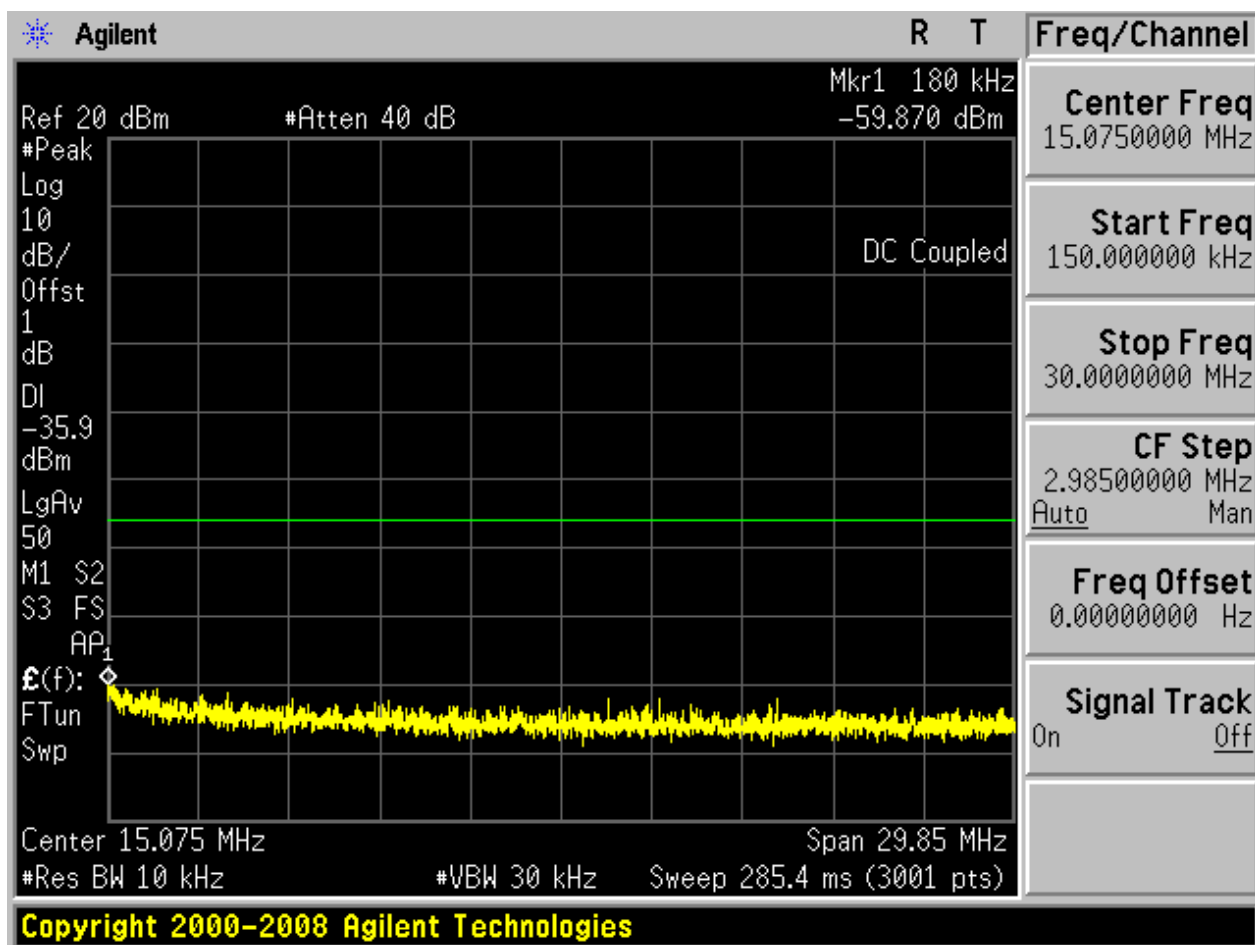
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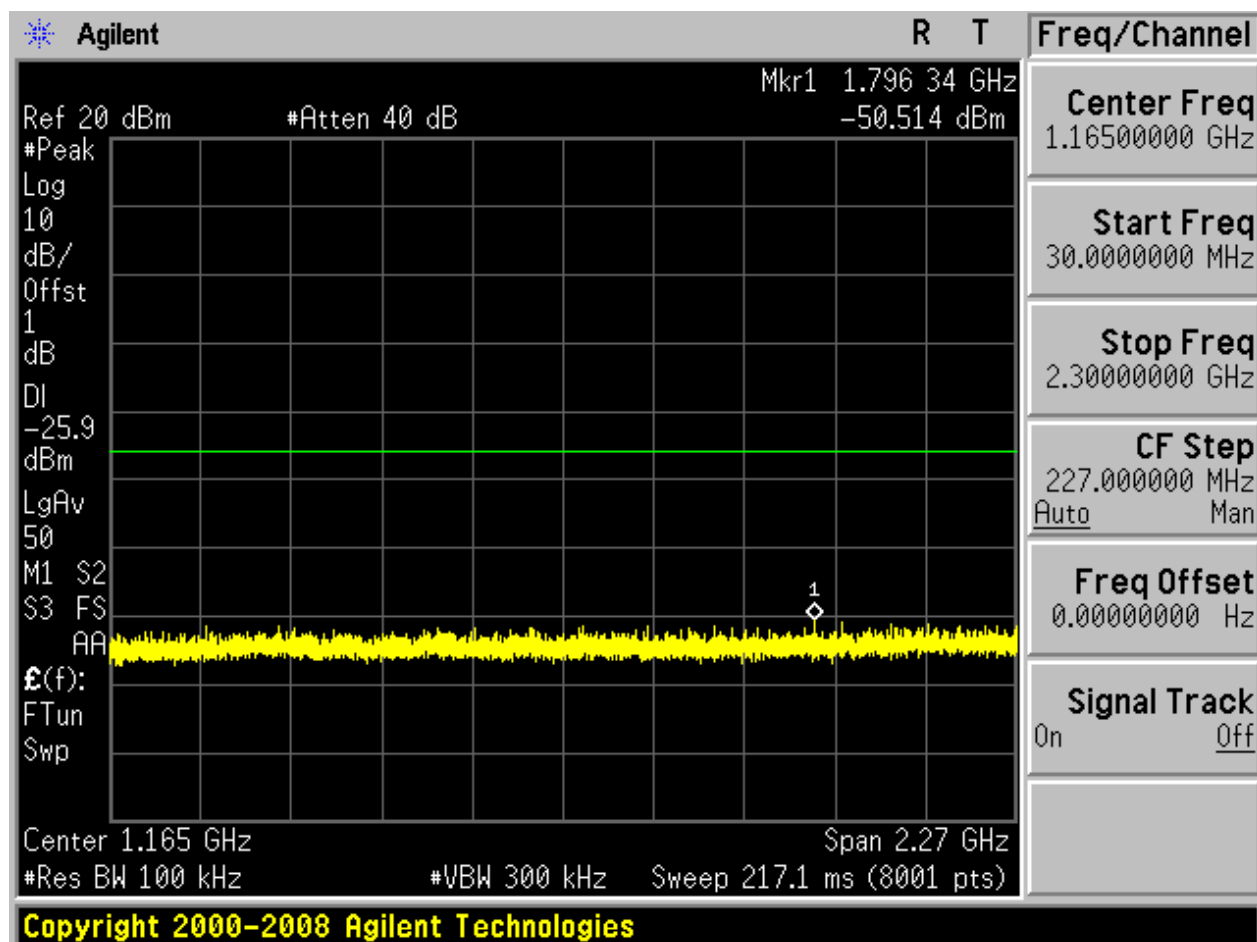


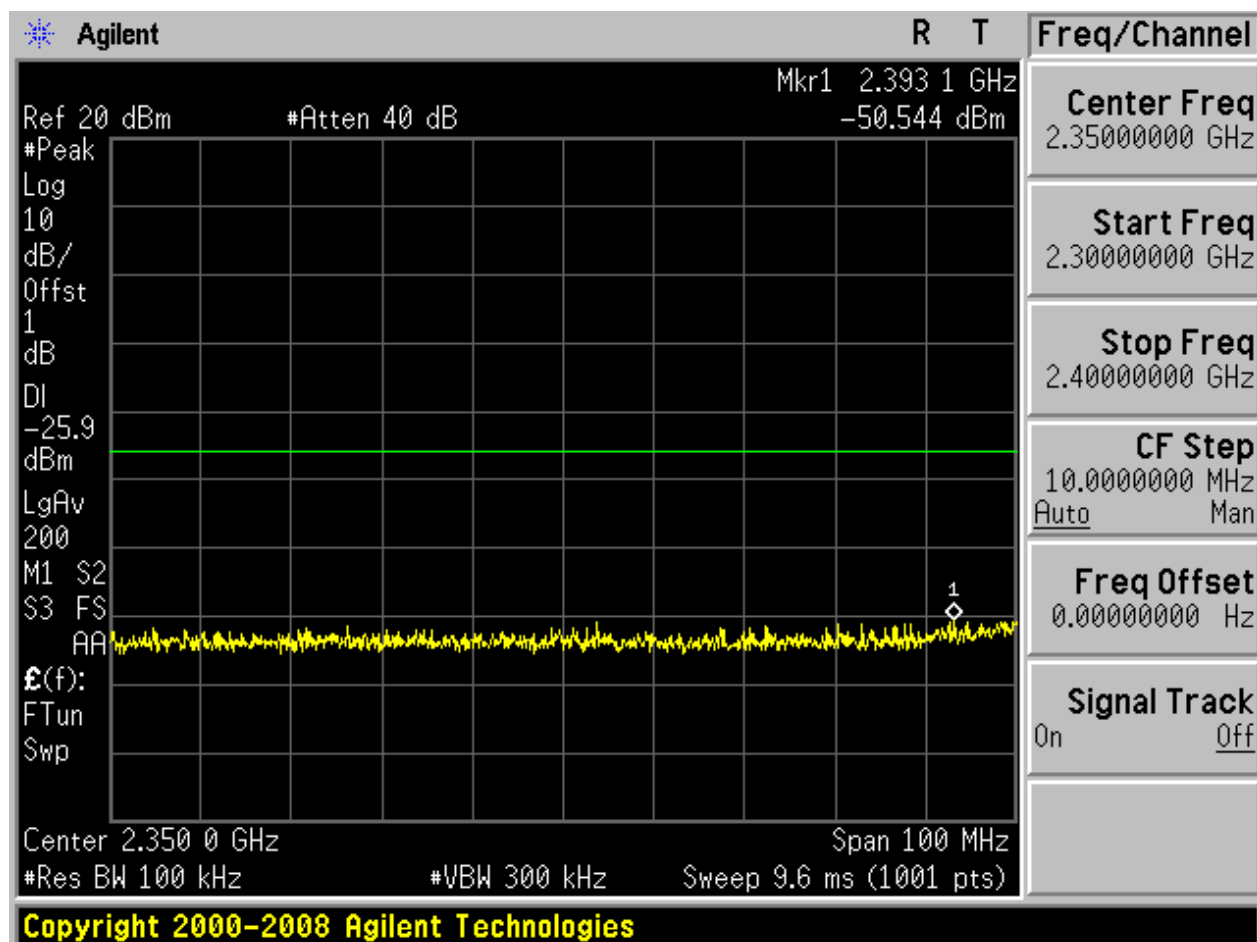


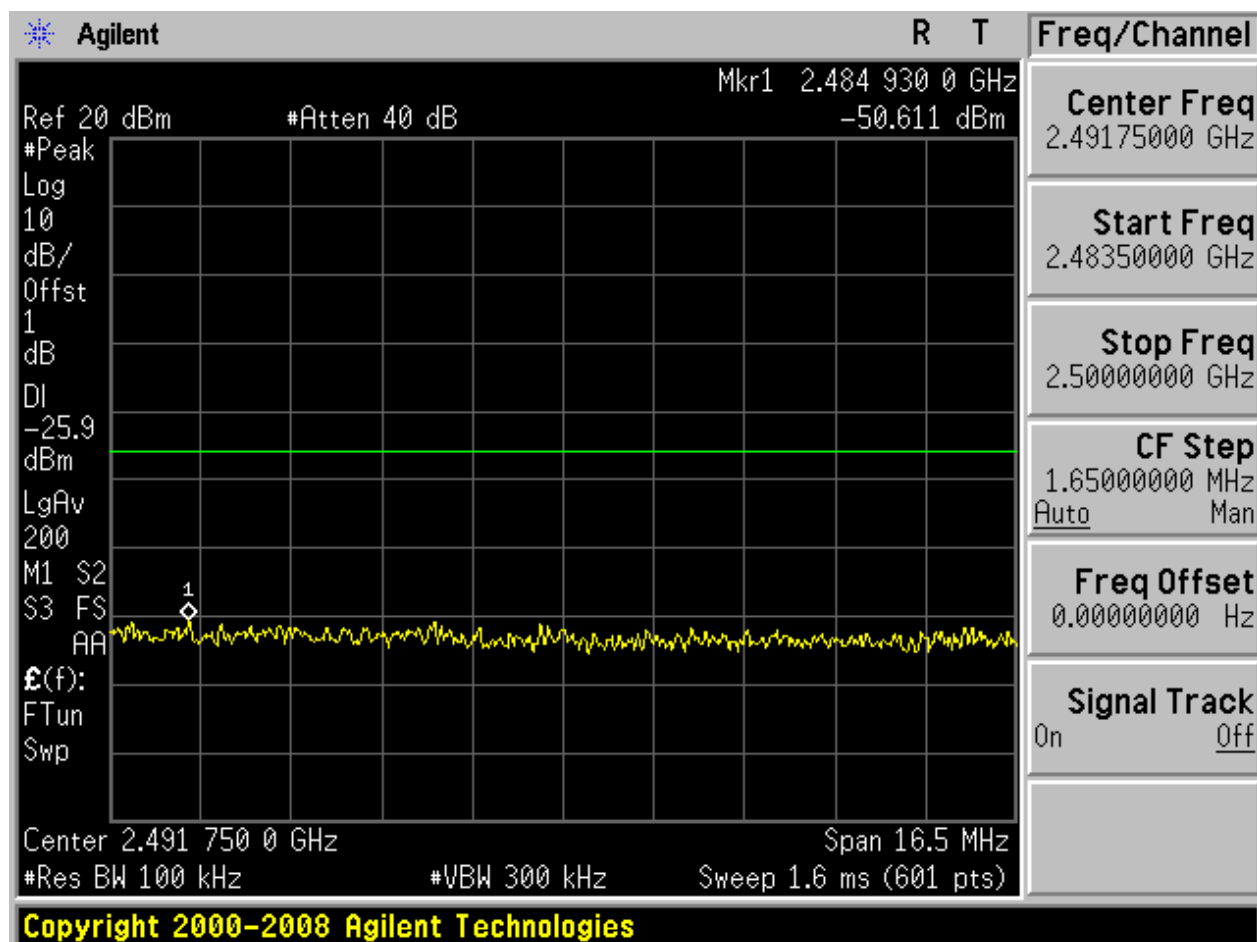
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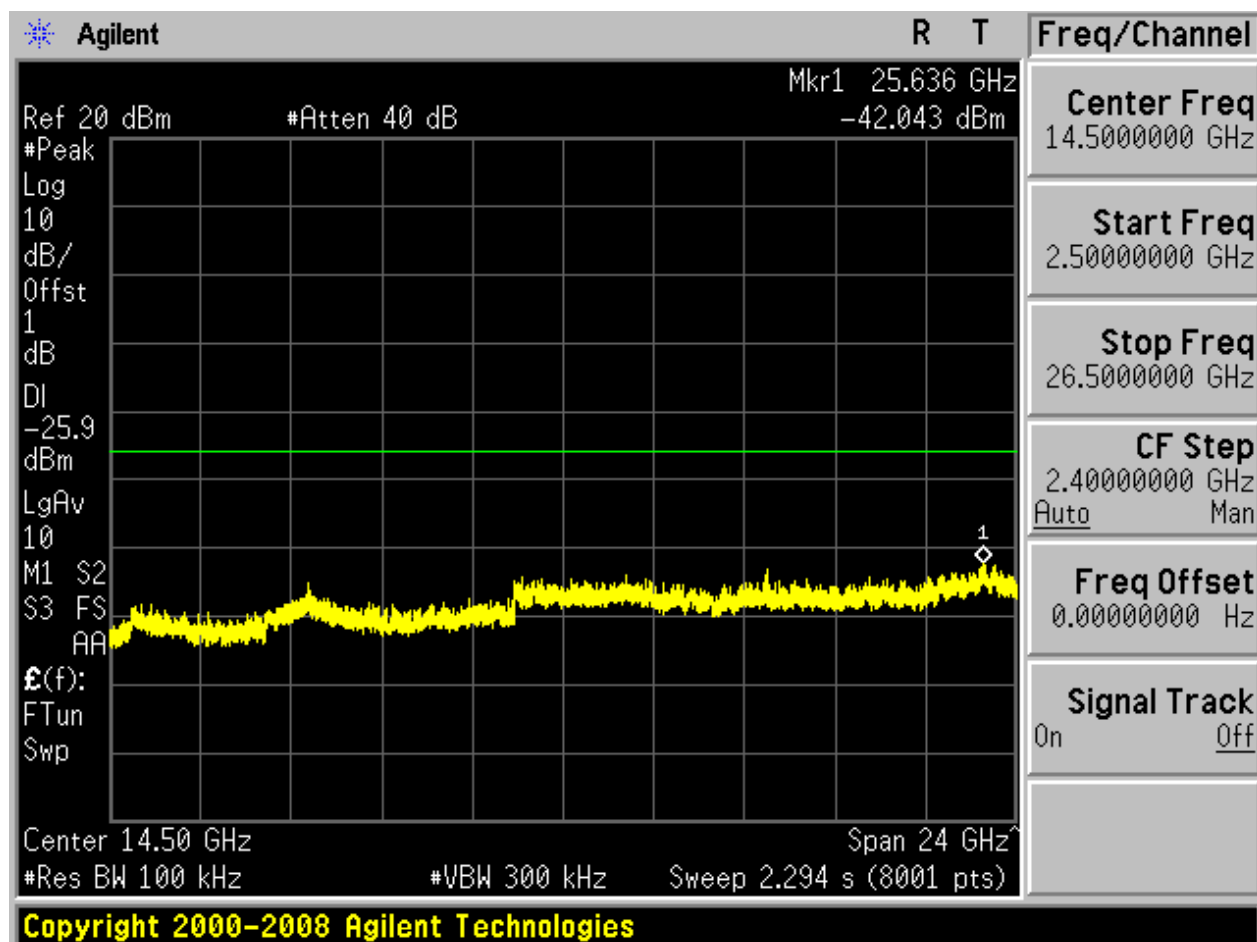








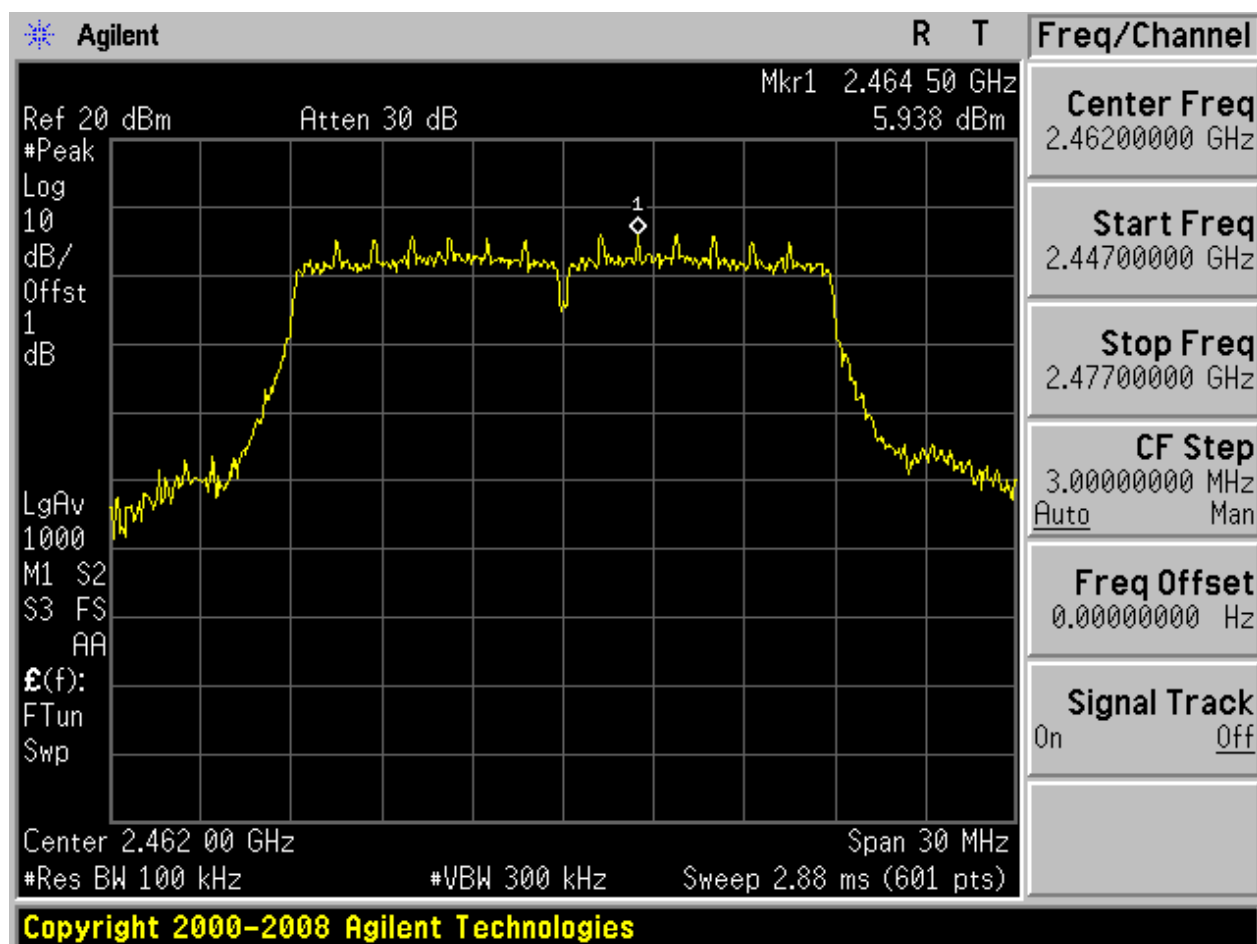






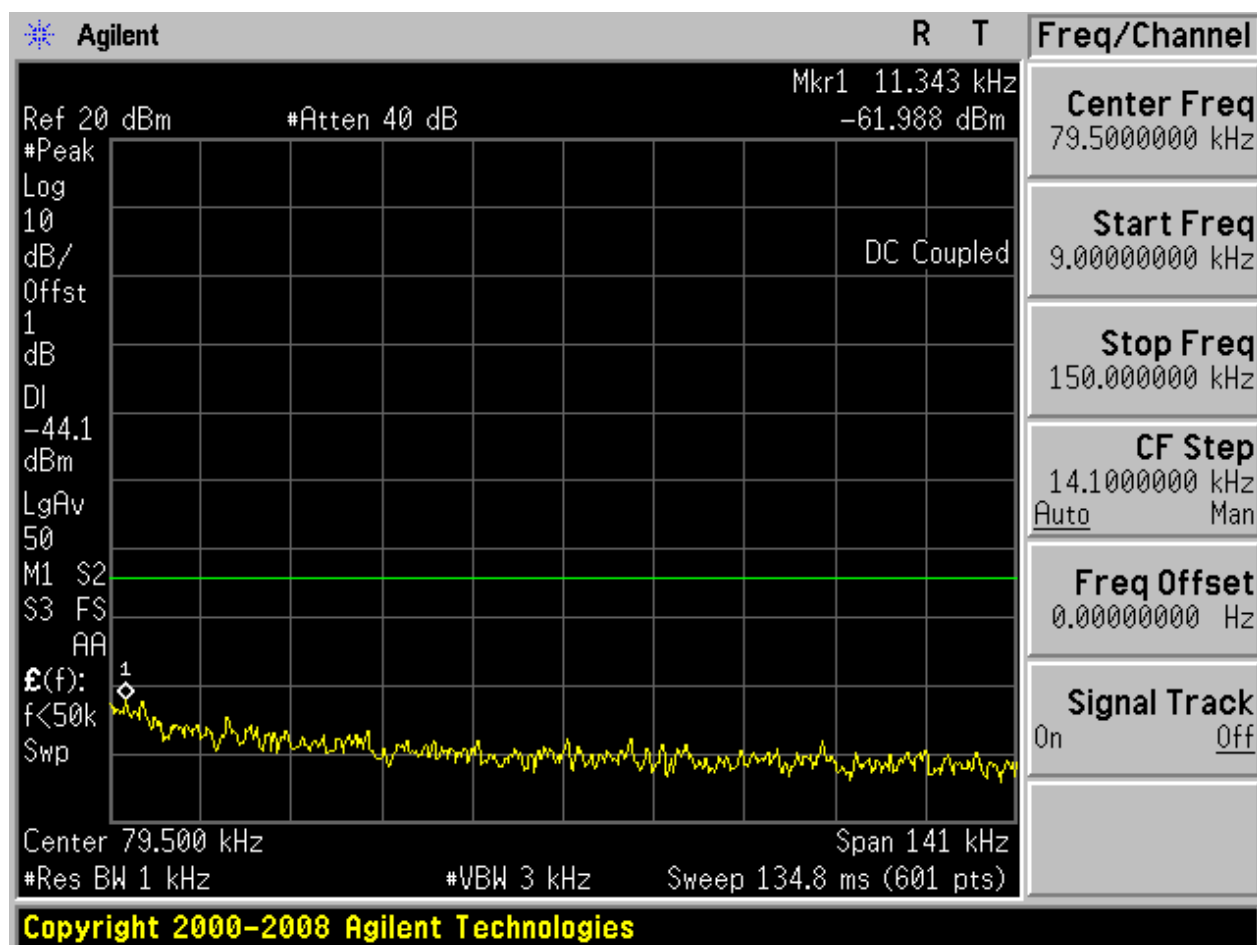
2.17 11N20_H@Ant 1

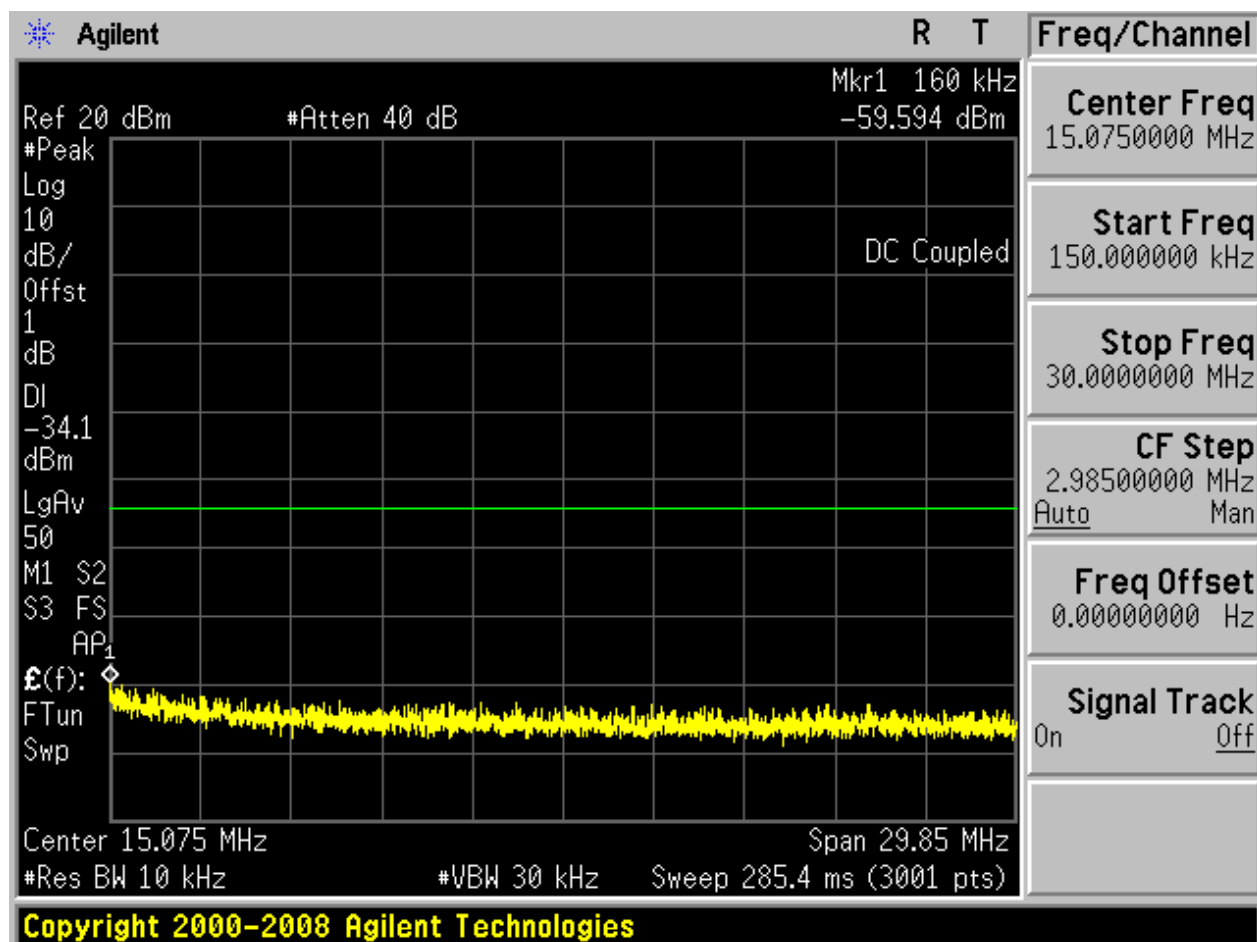
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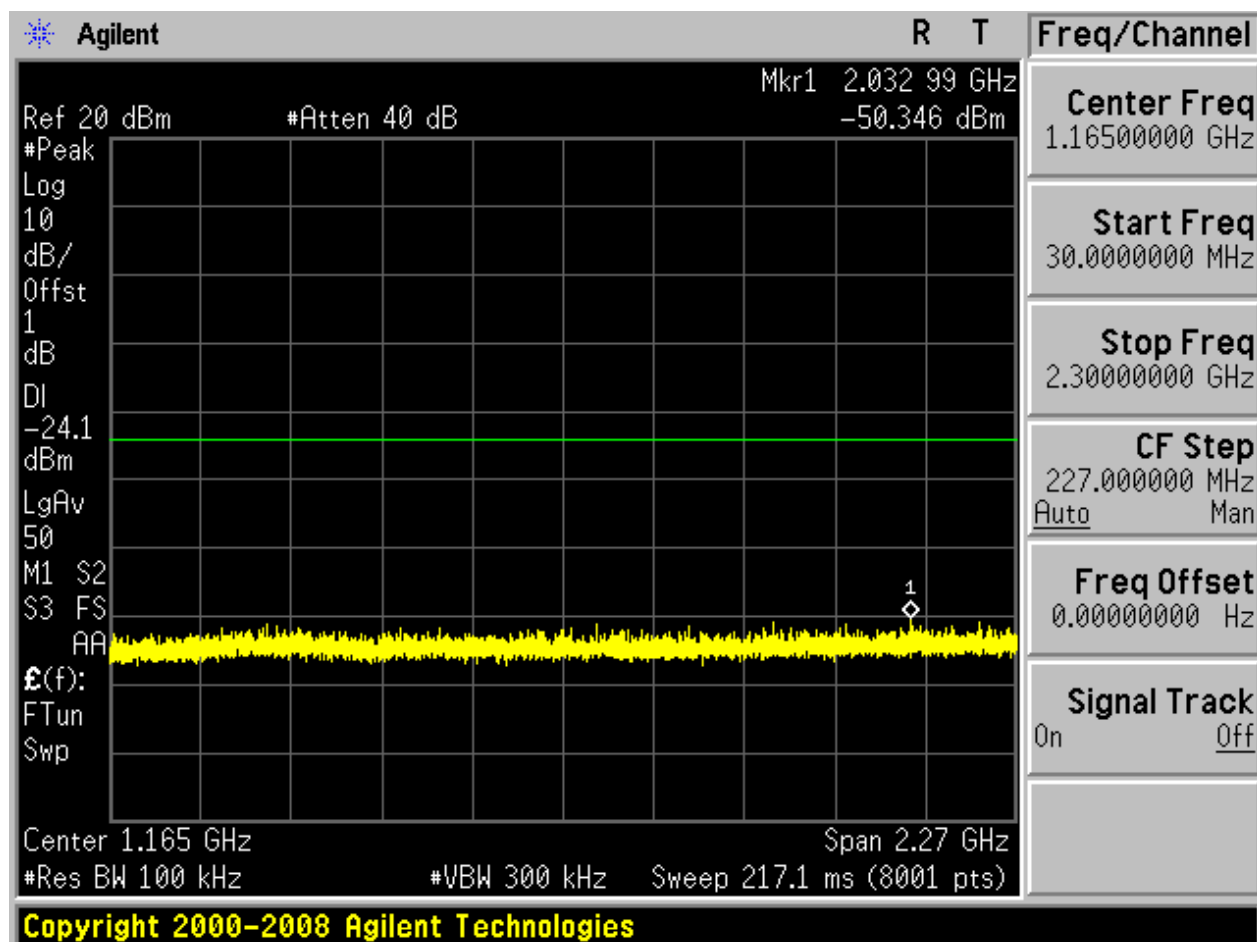


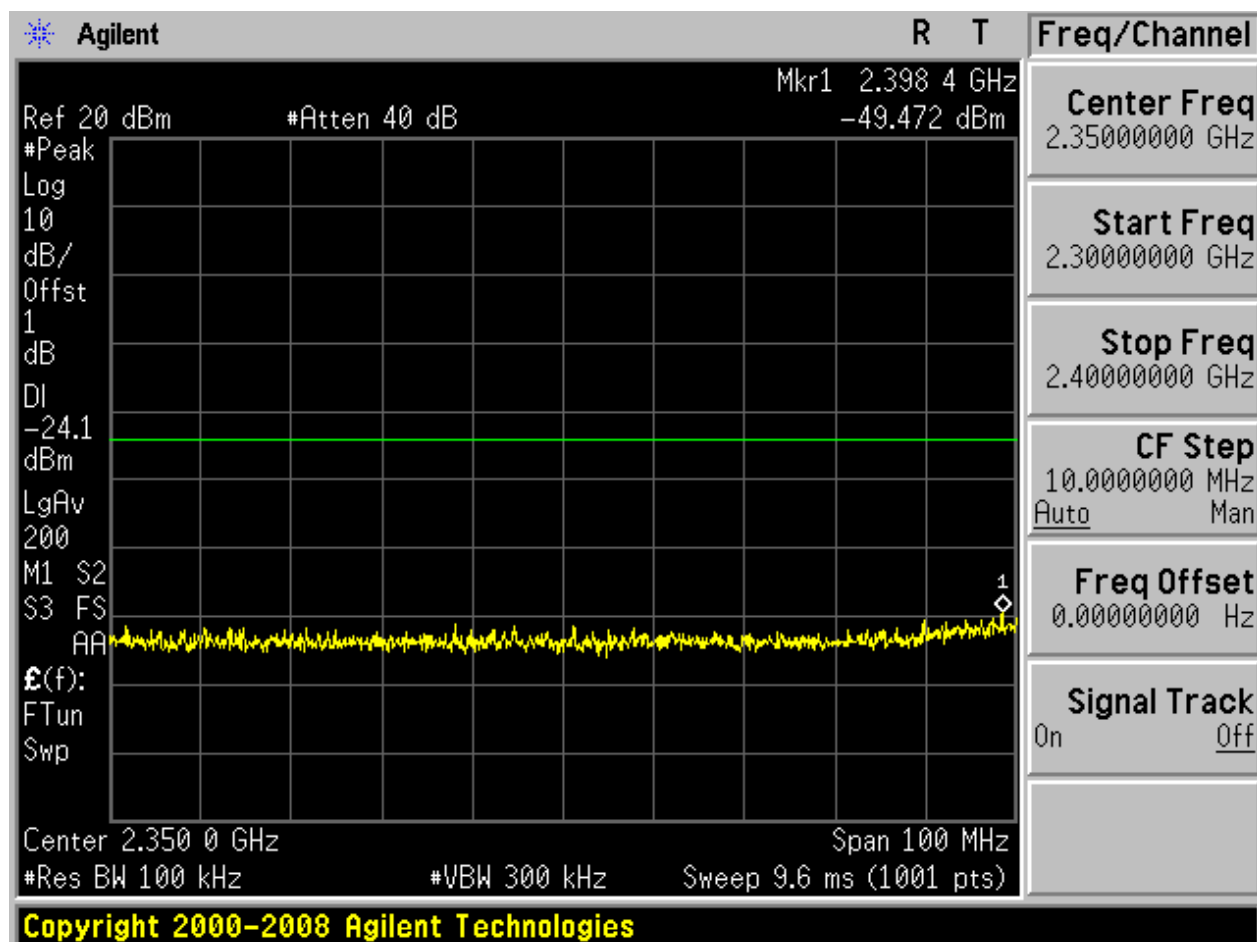


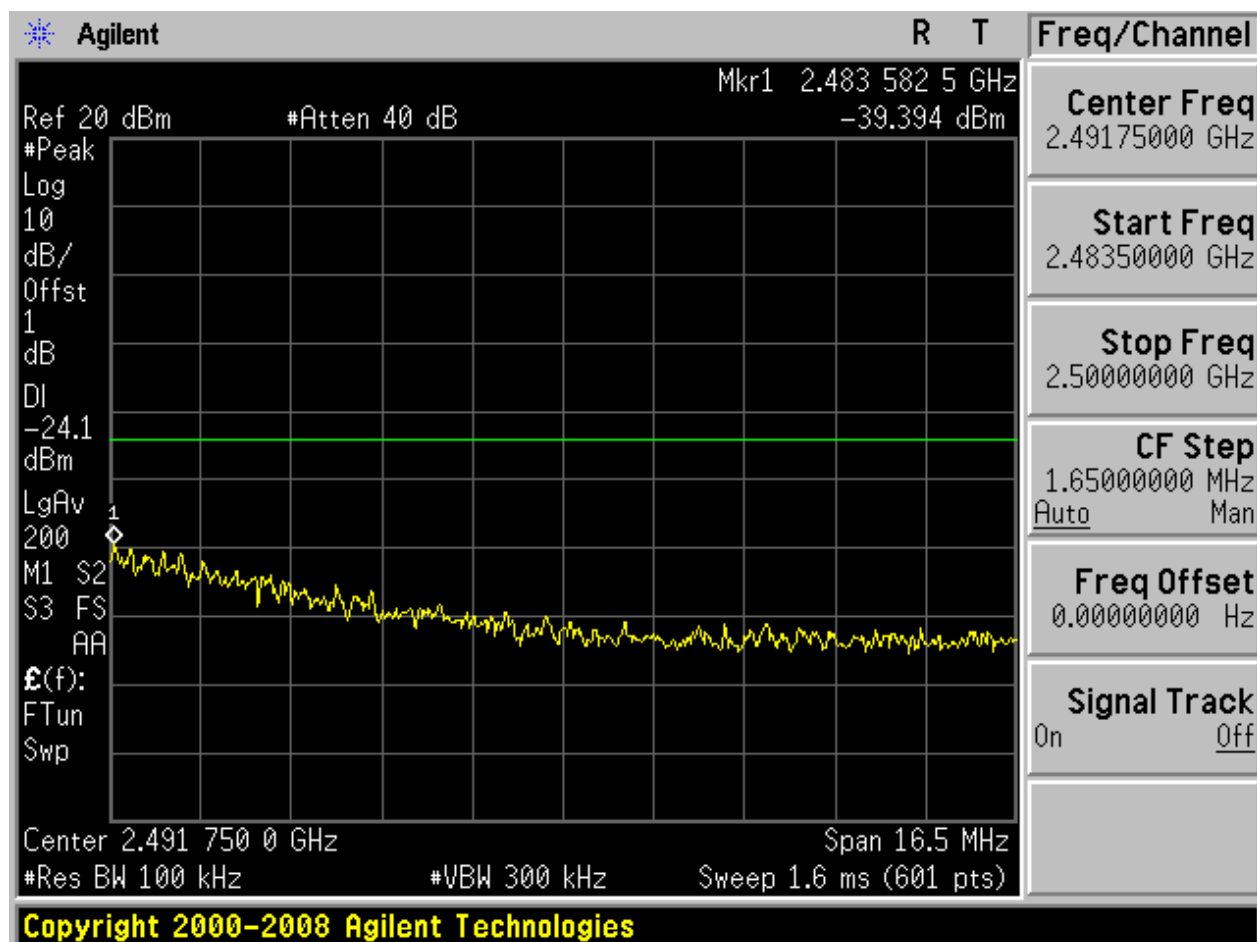
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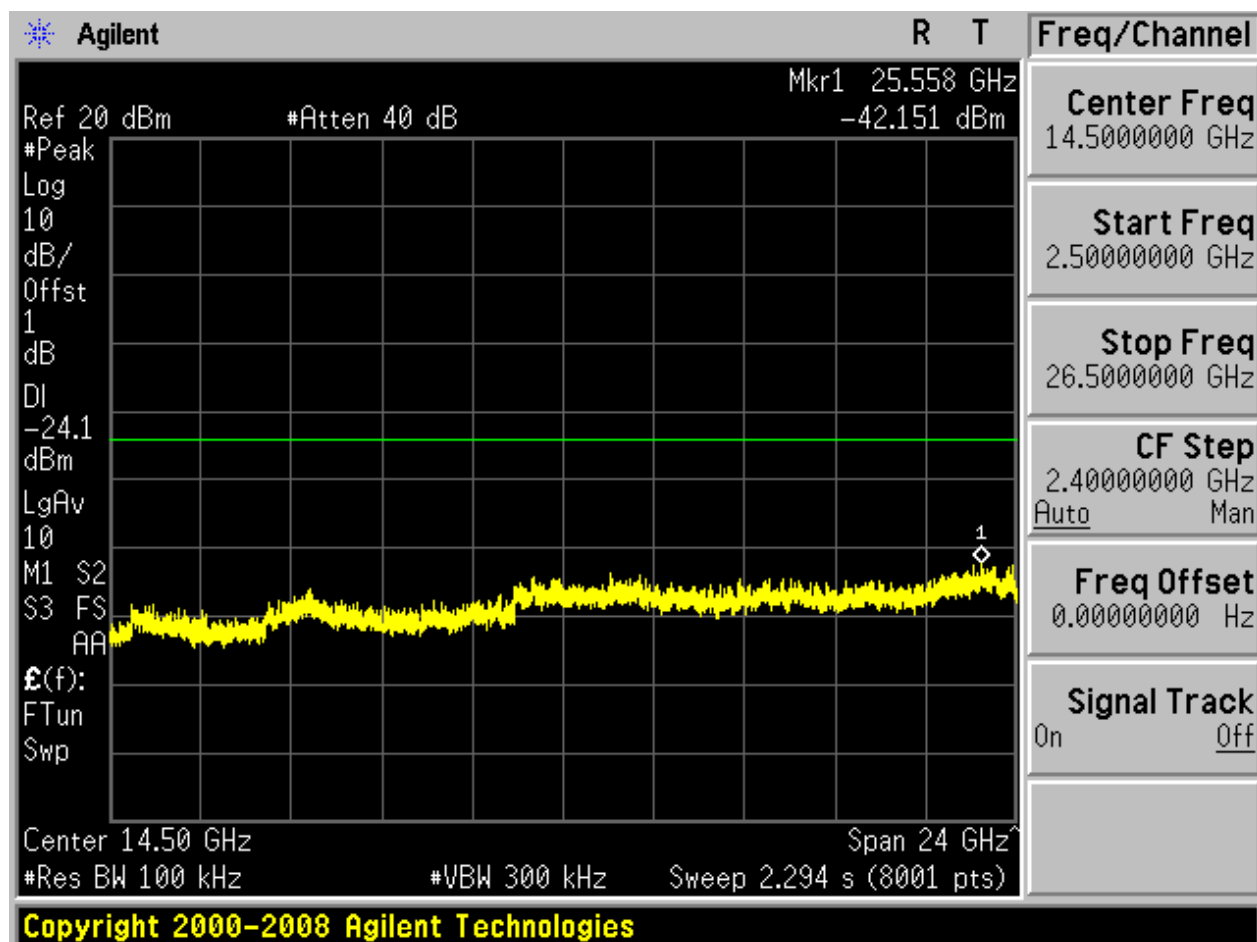








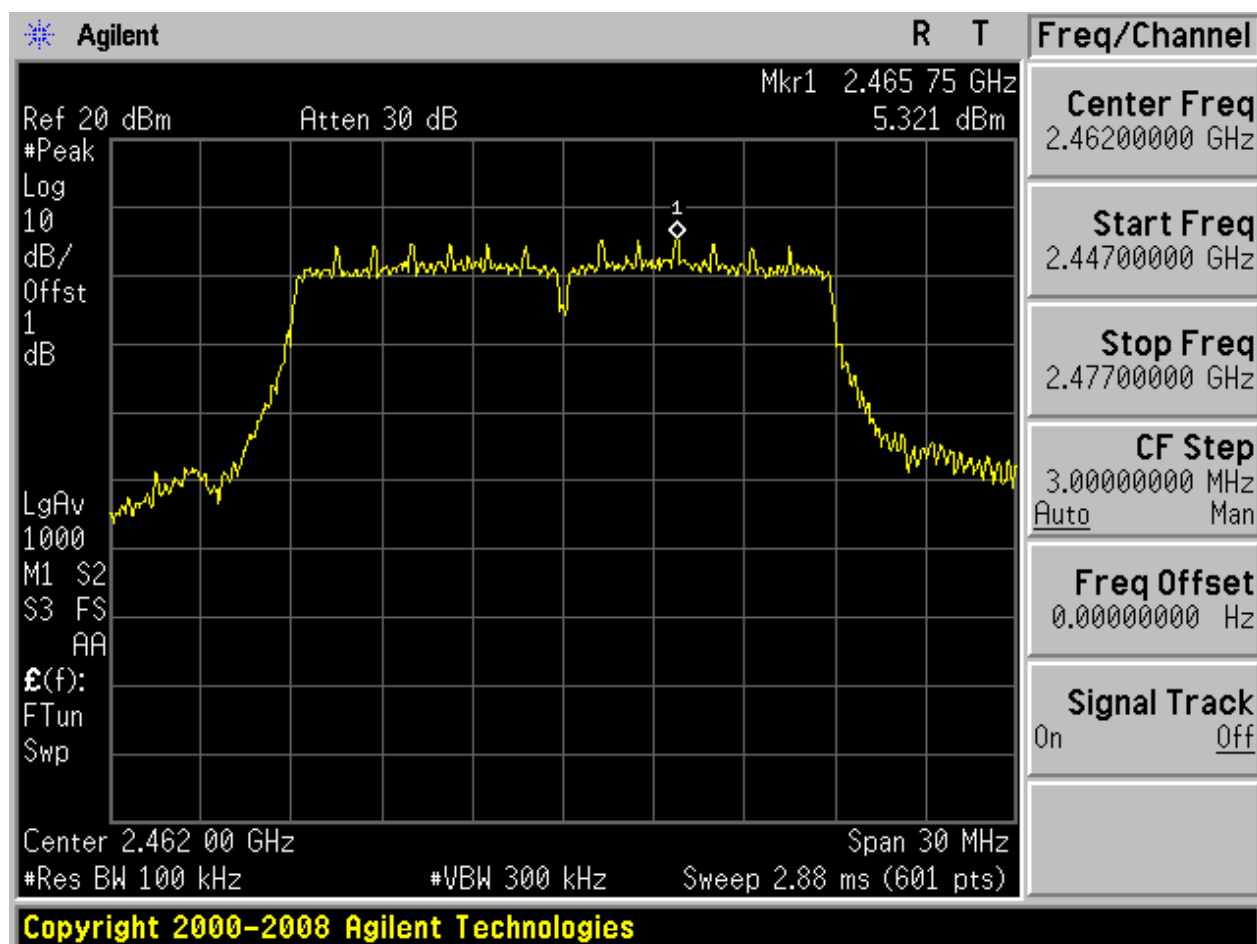






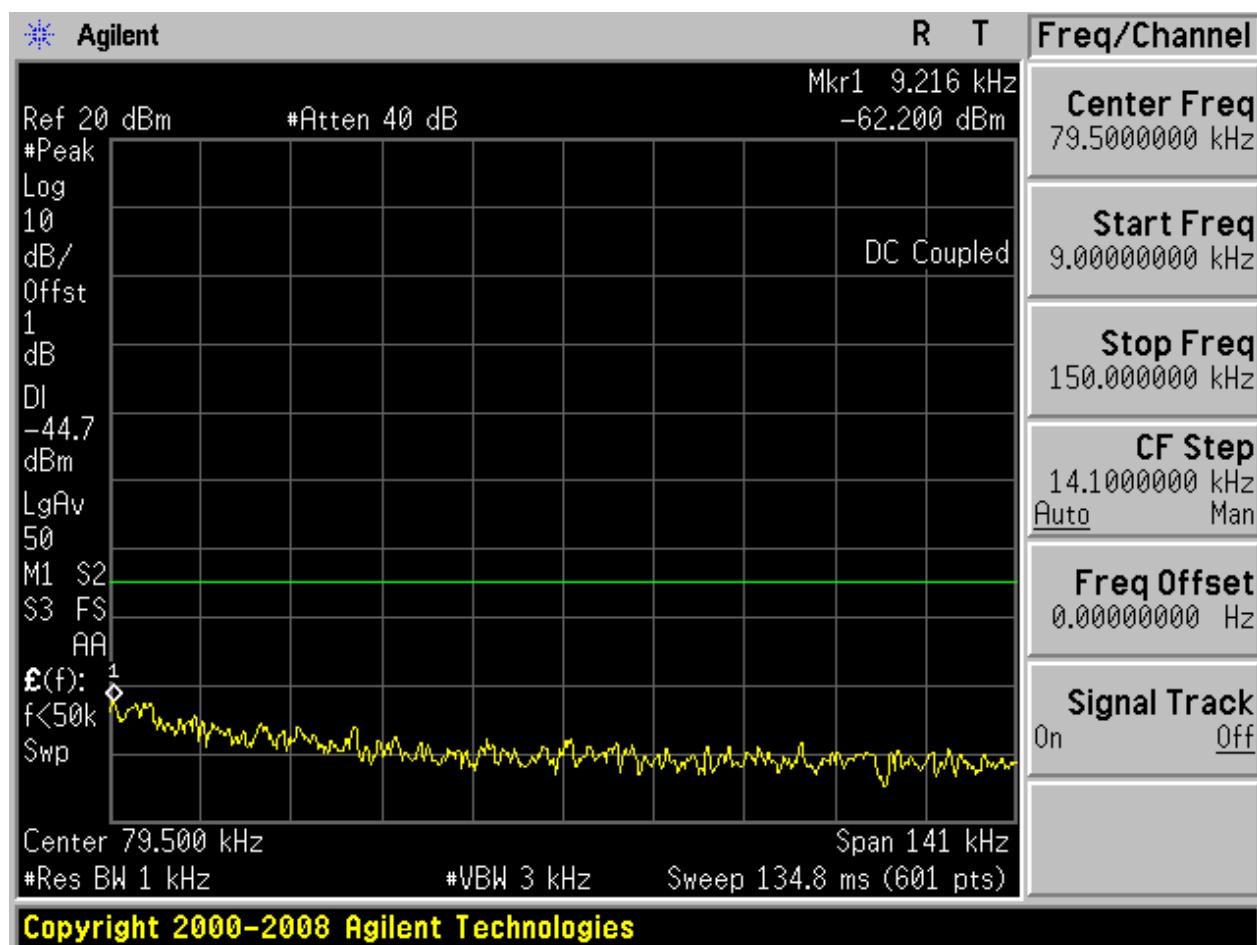
2.18 11N20_H@Ant 2

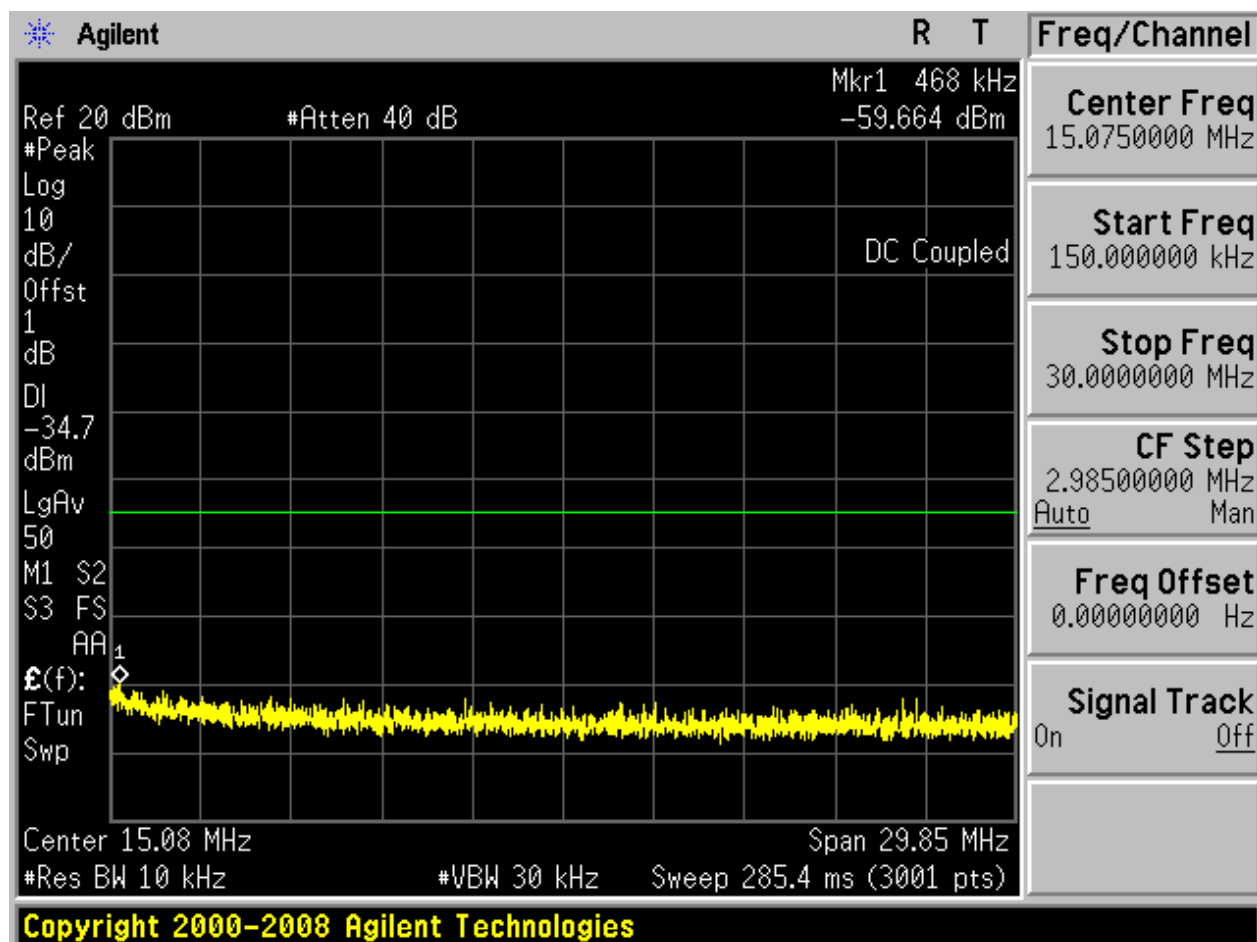
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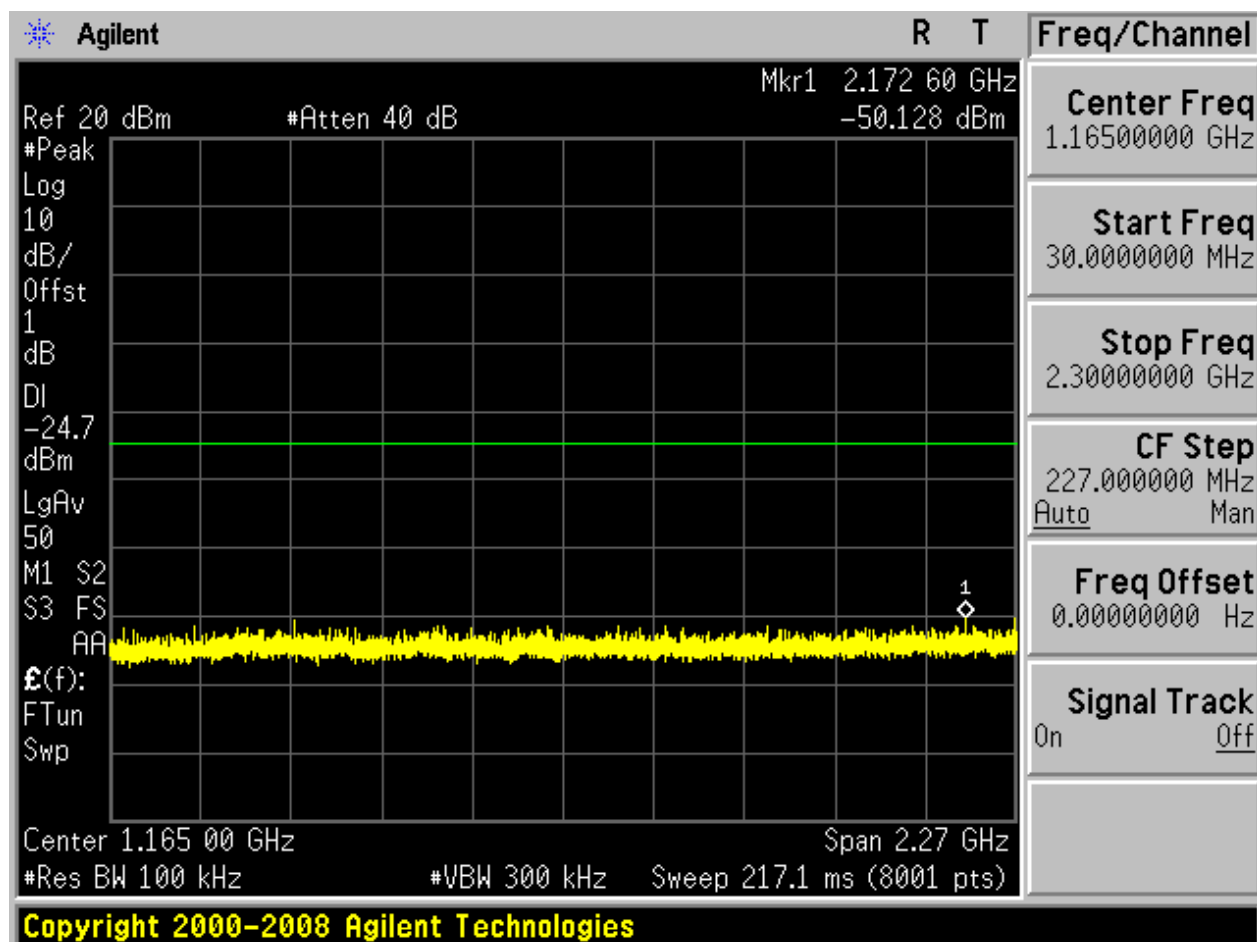


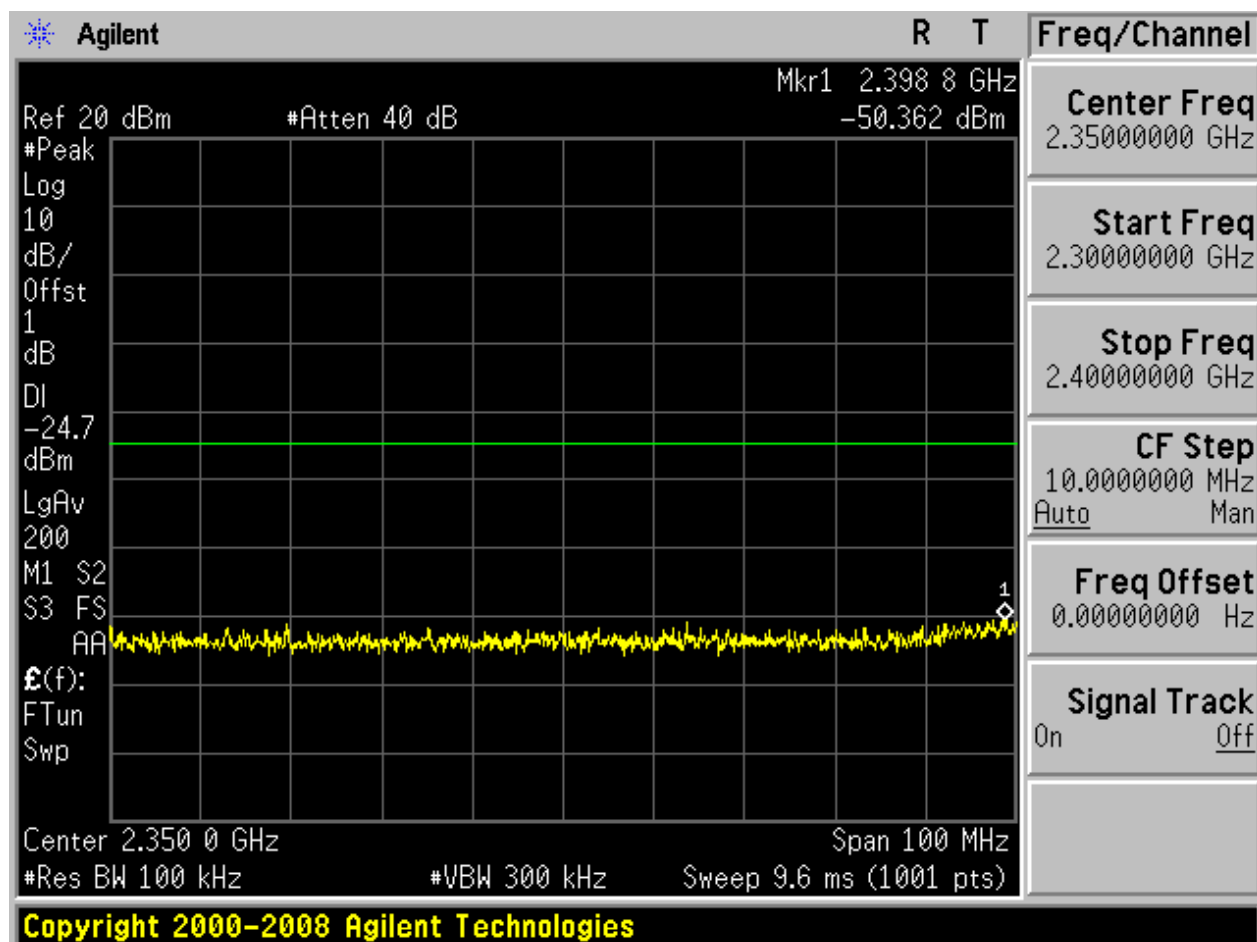


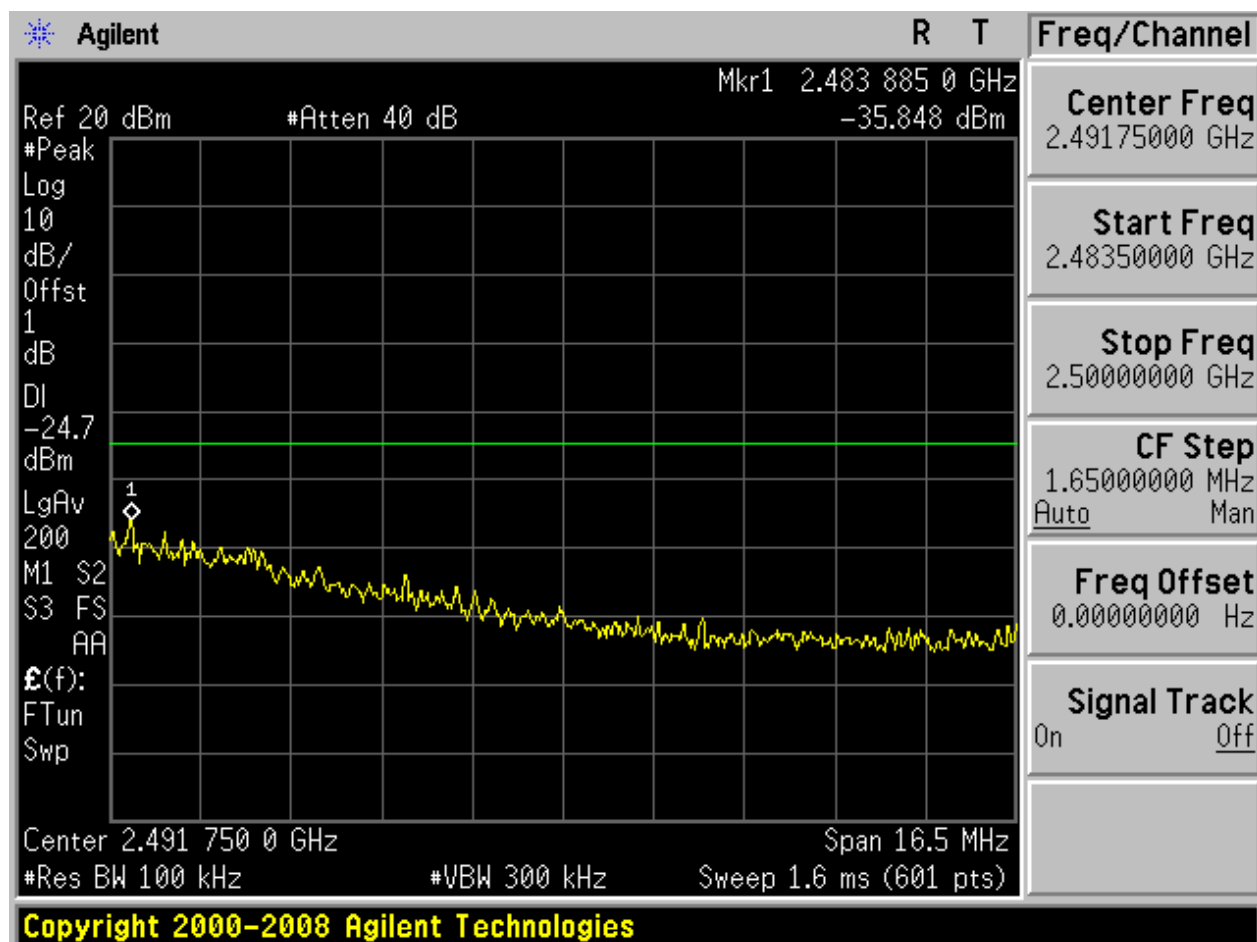
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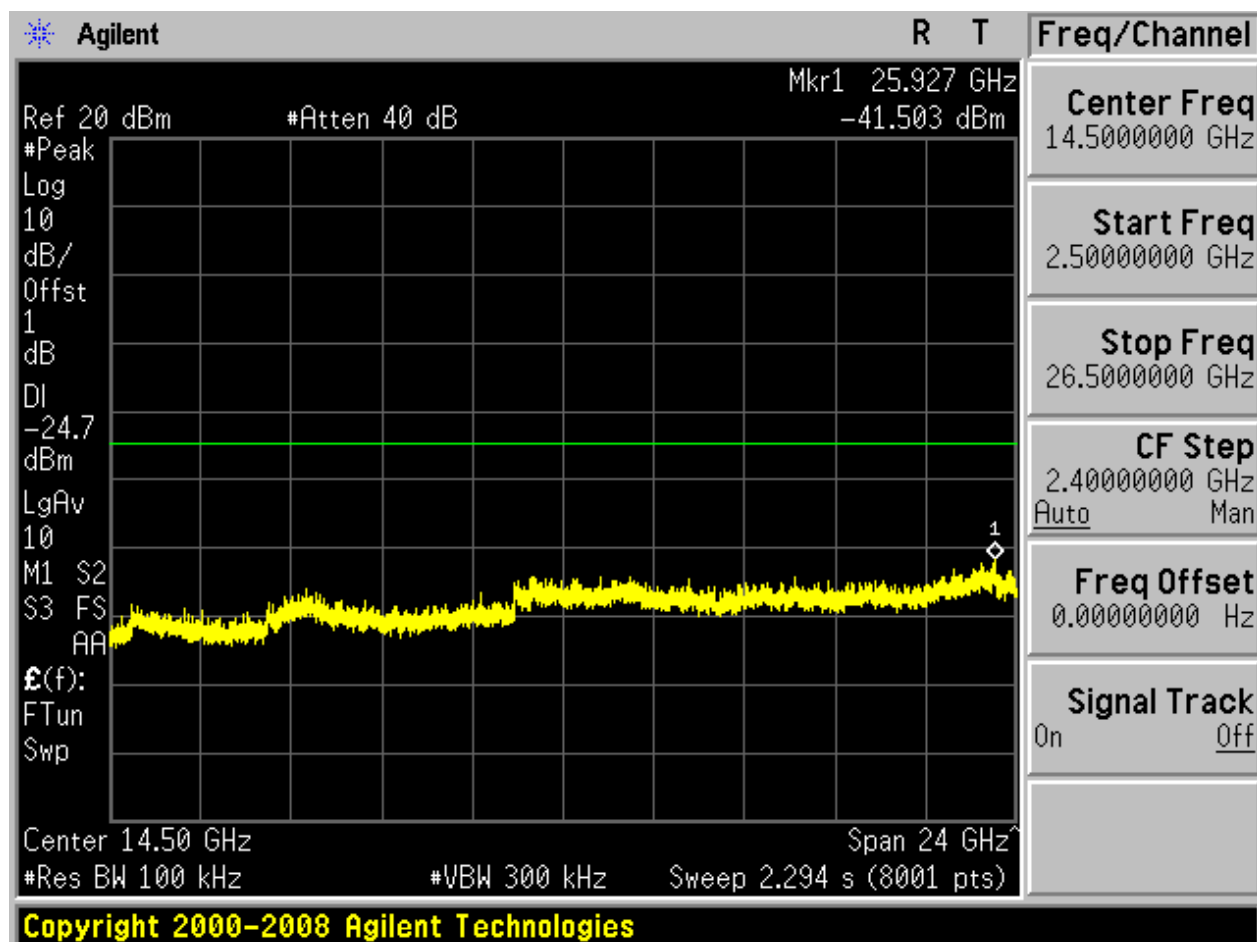








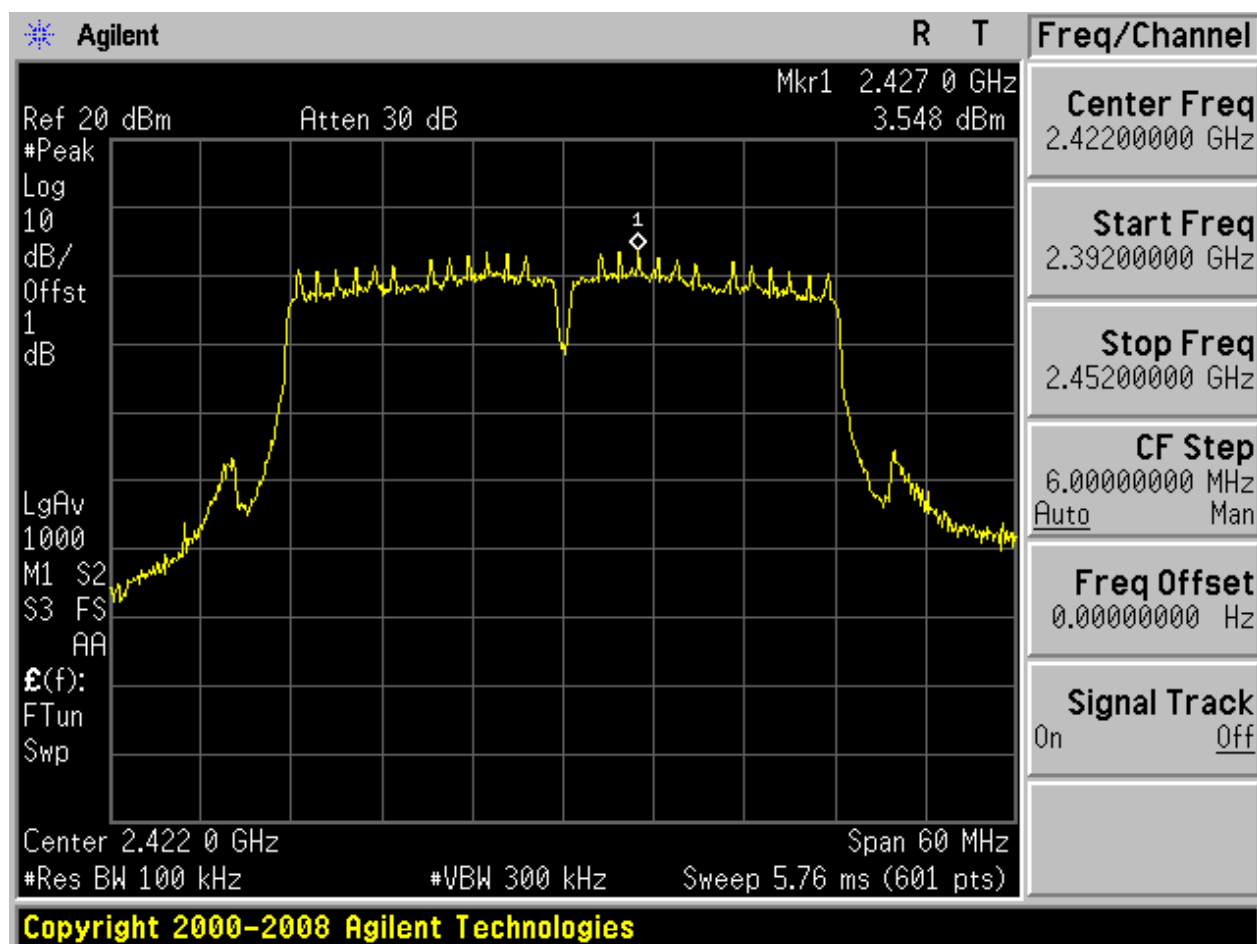






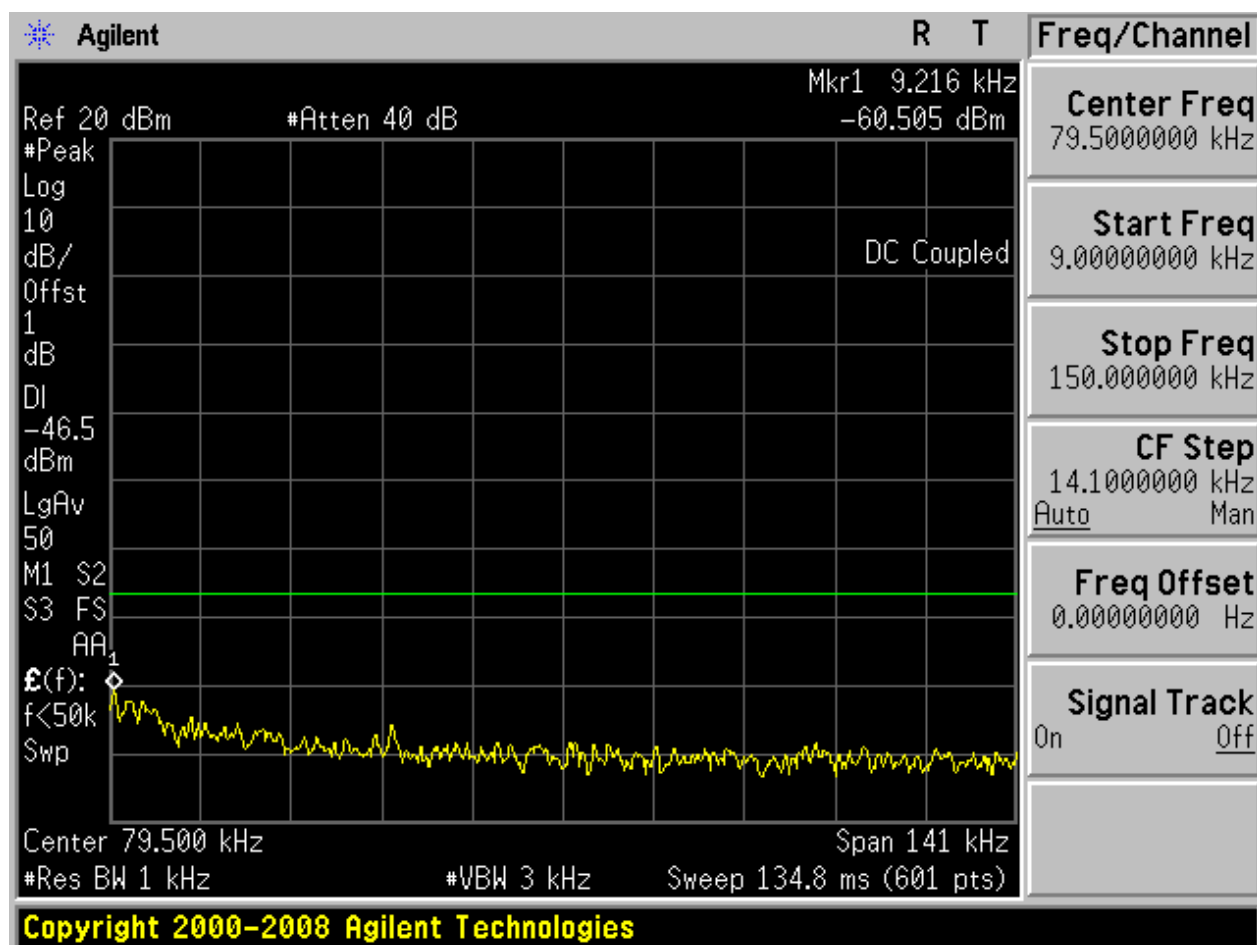
2.19 11N40_L@Ant 1

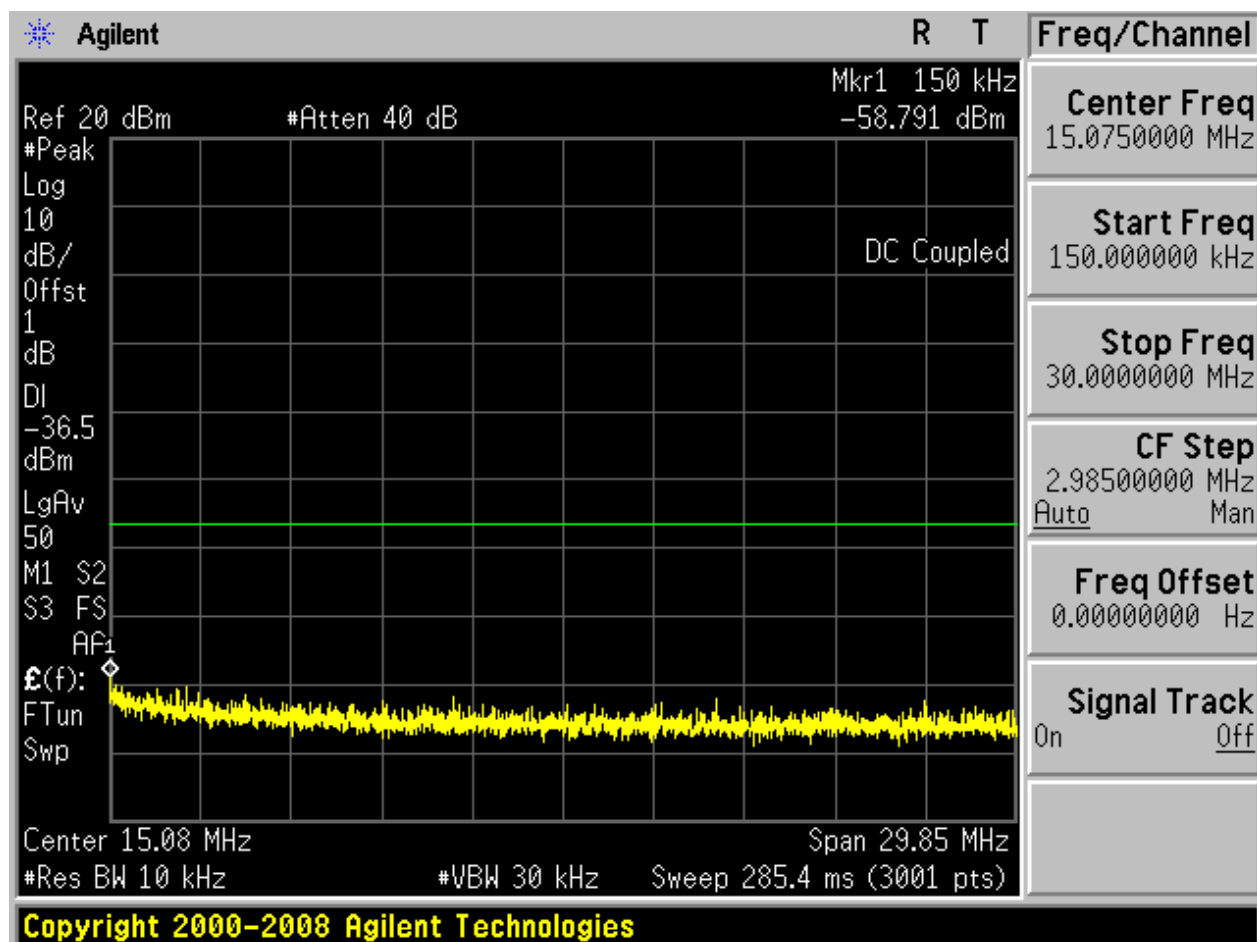
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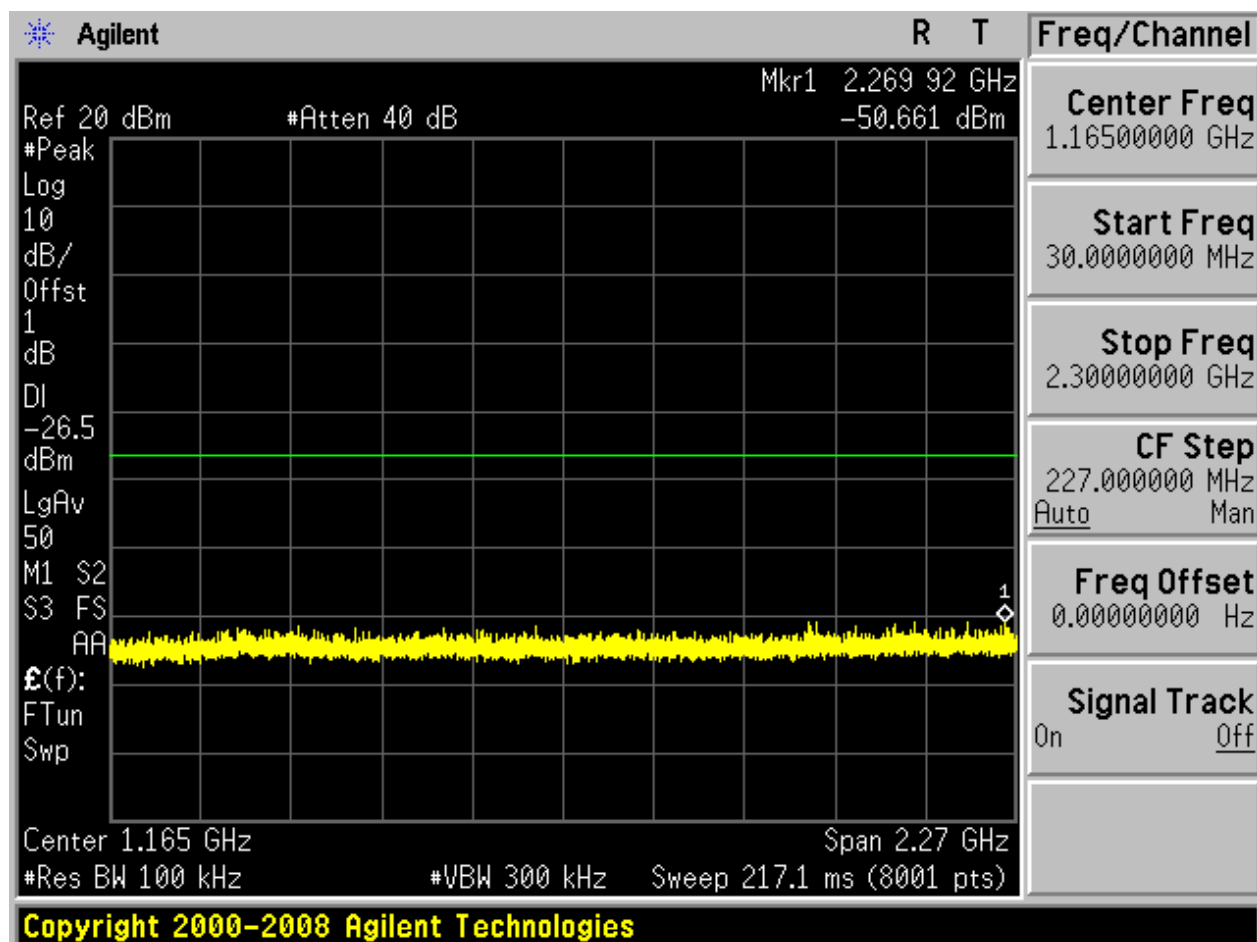


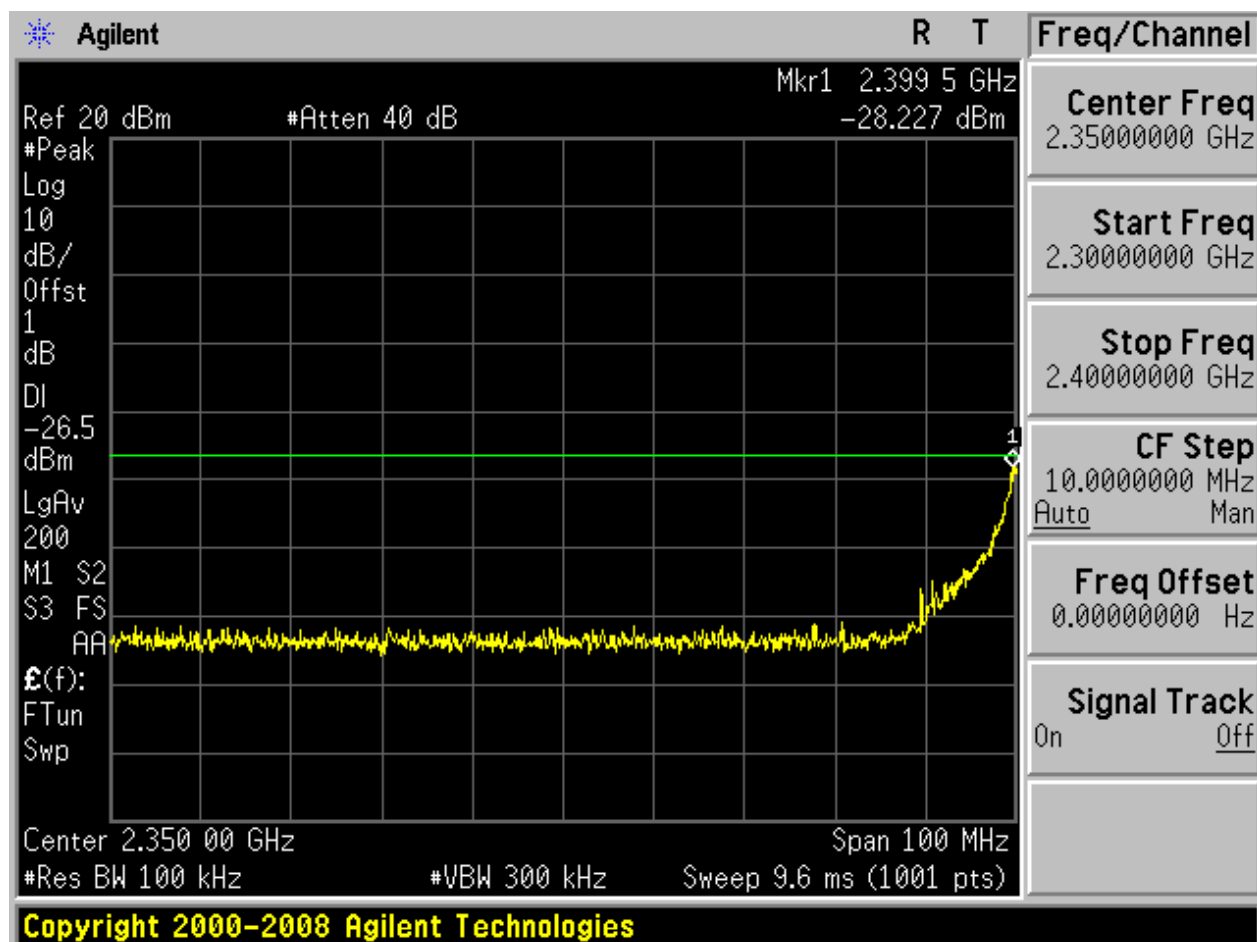


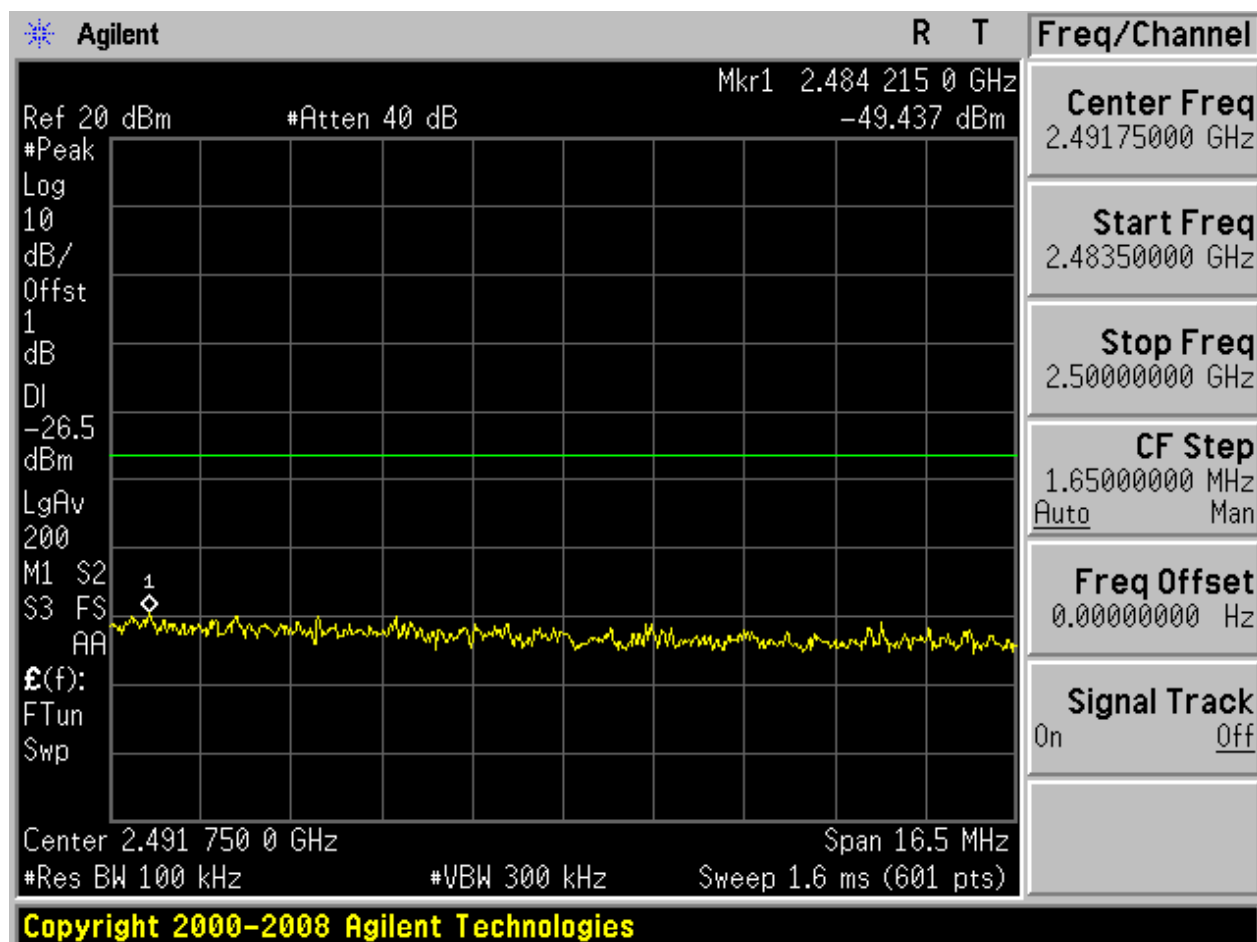
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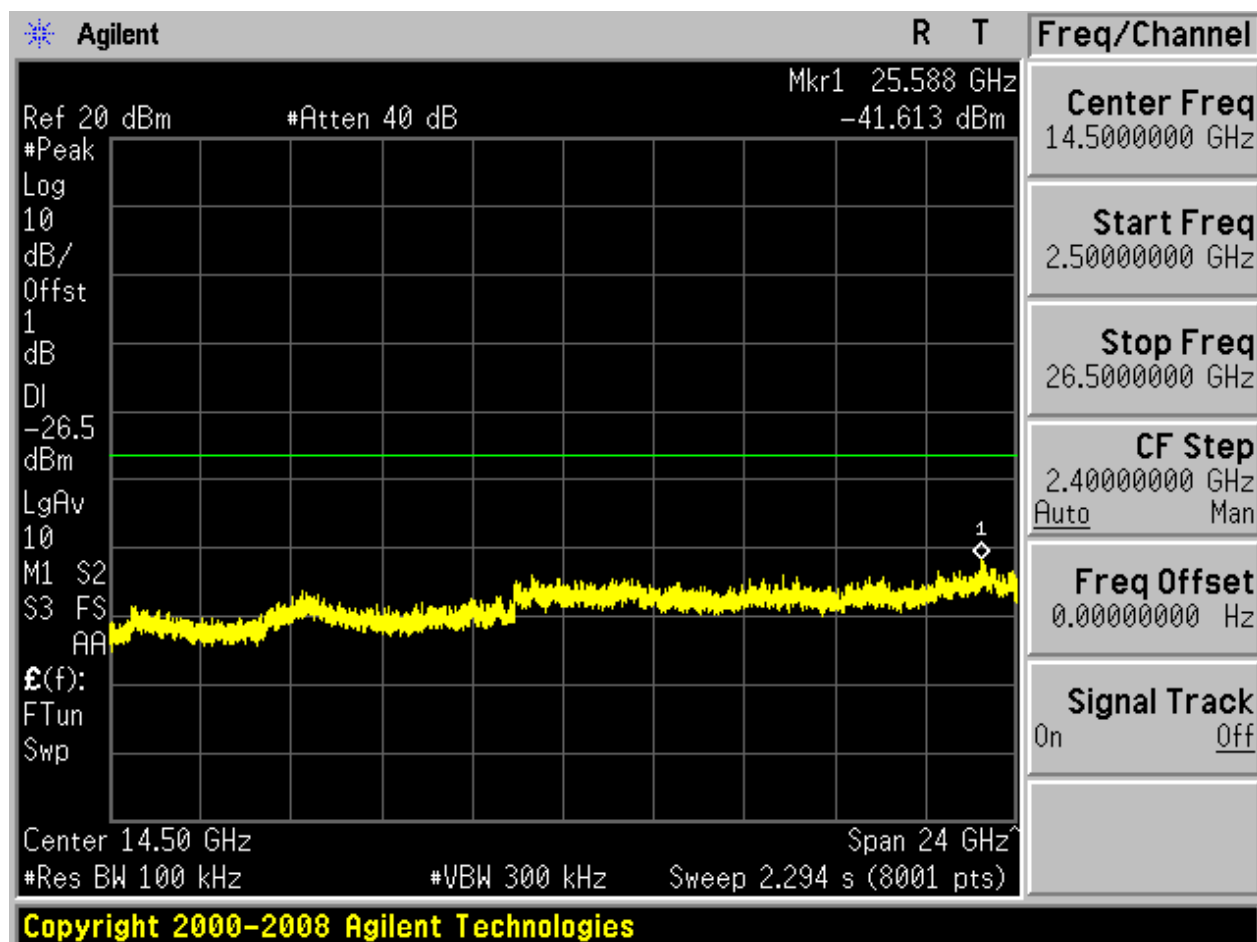








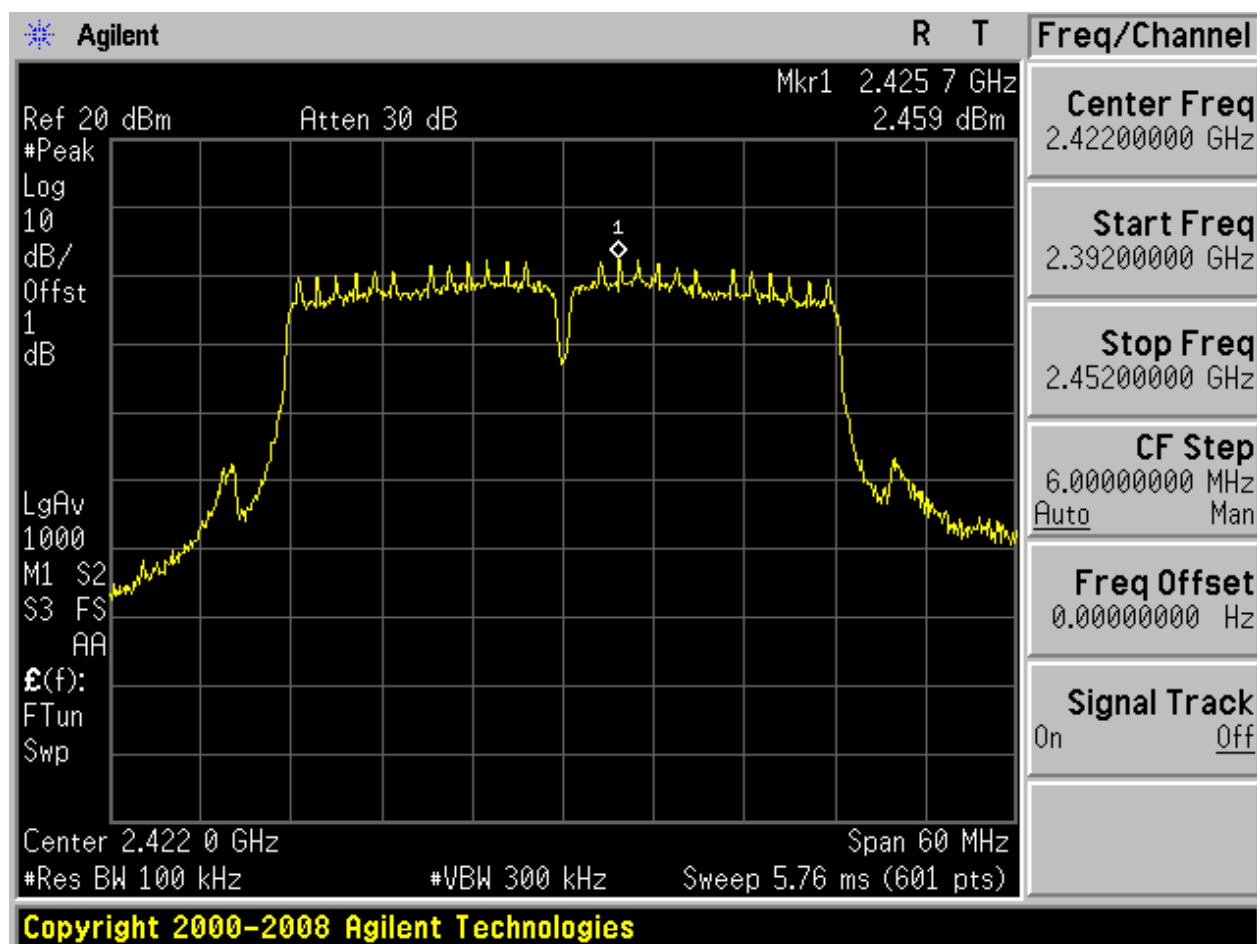






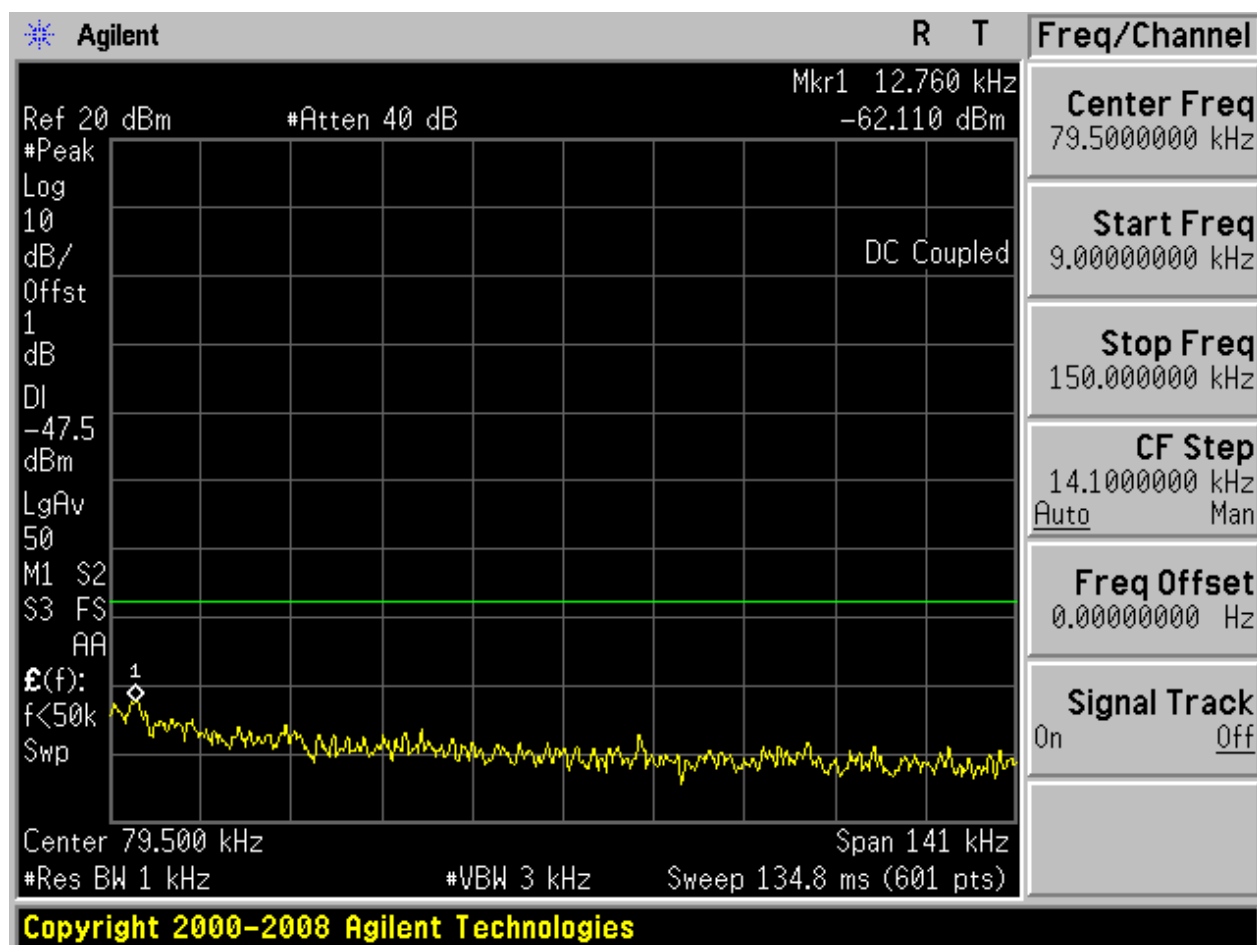
2.20 11N40_L@Ant 2

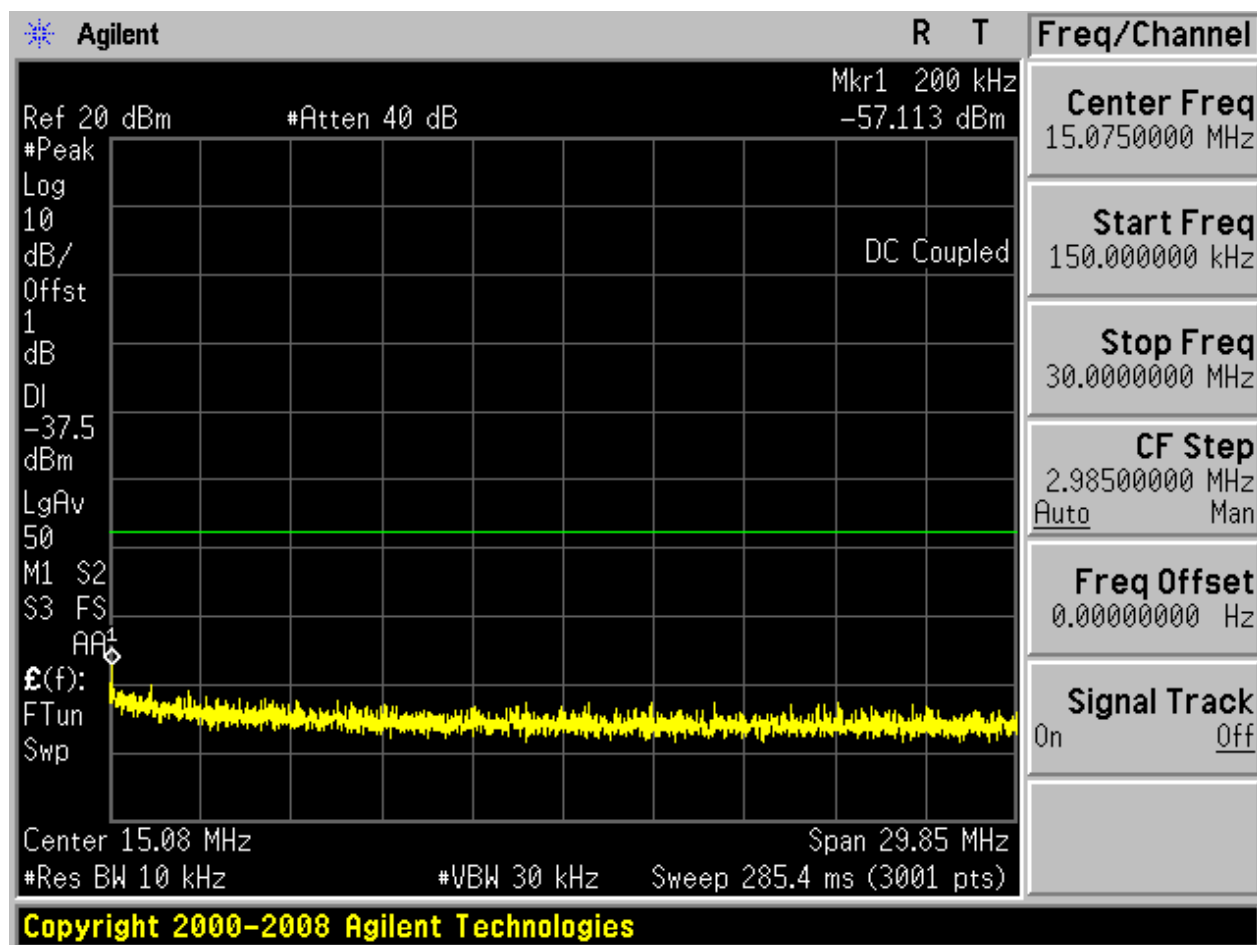
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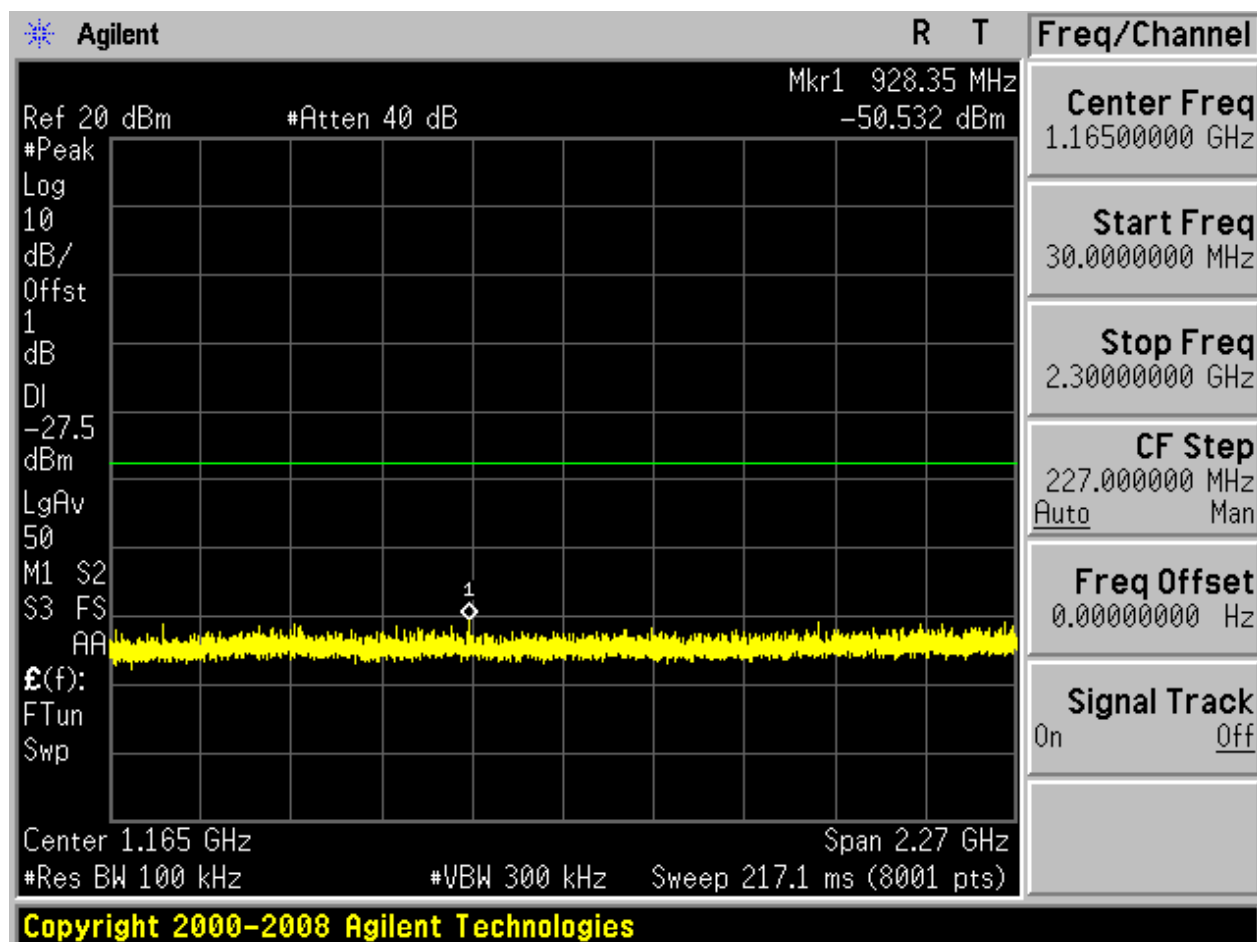


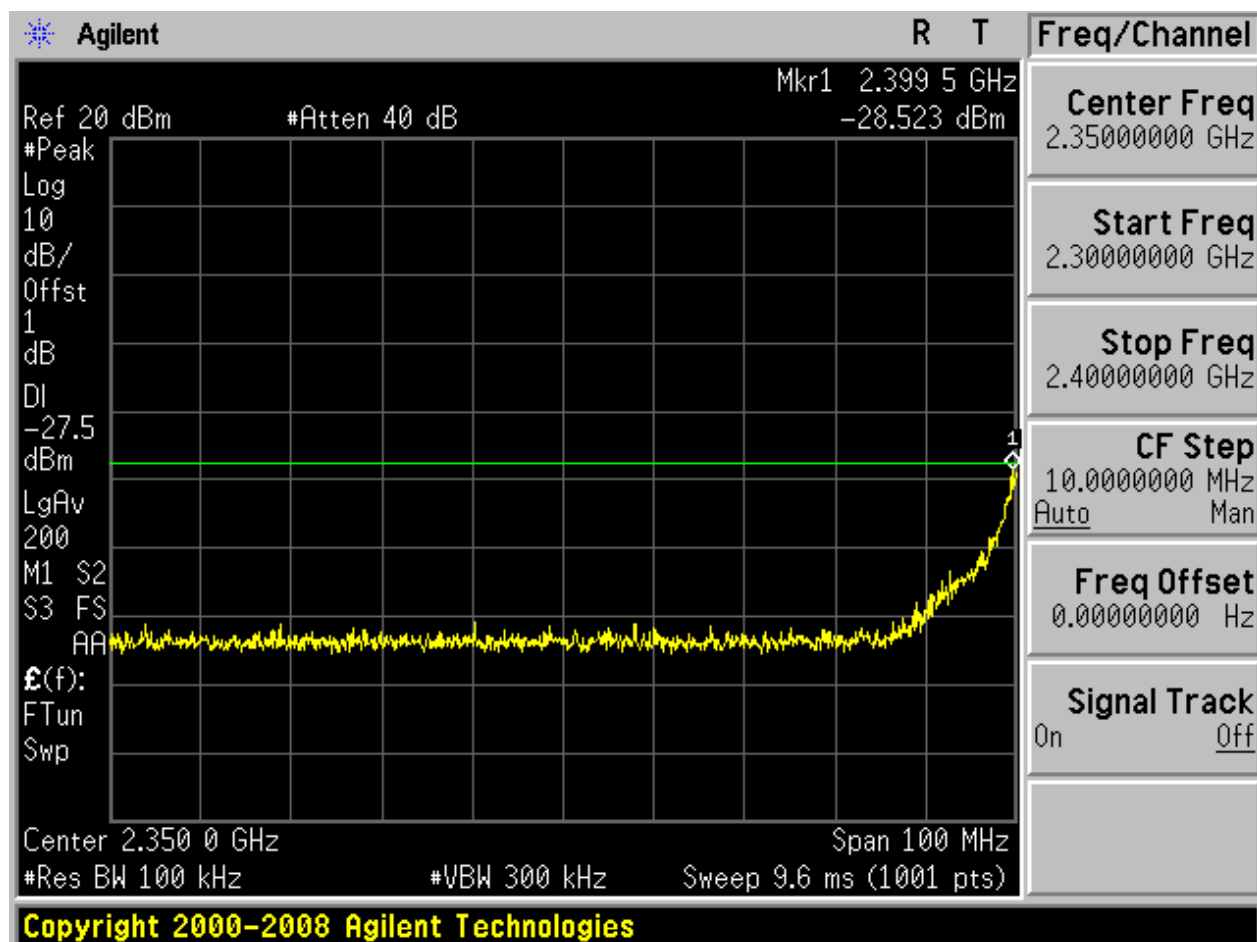


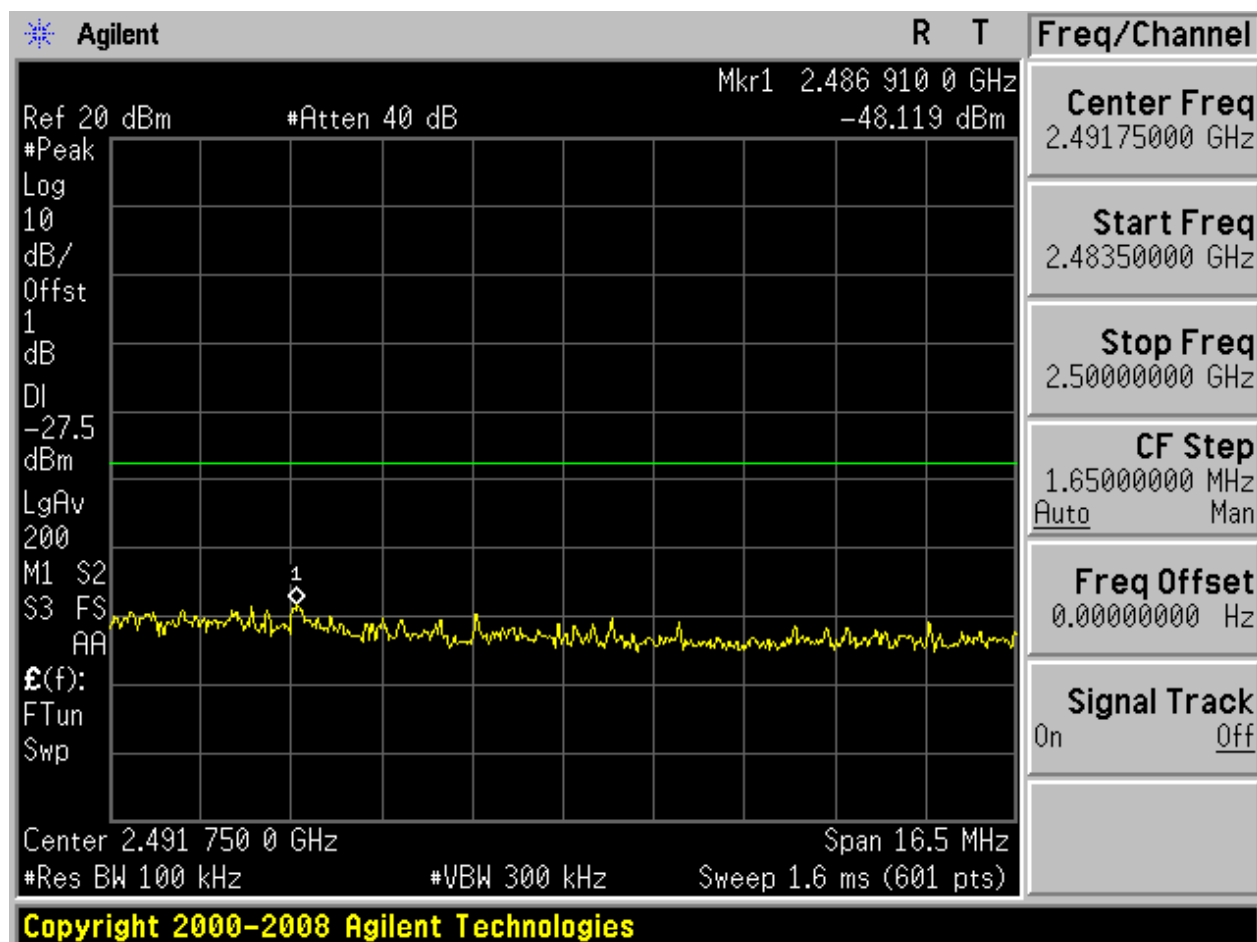
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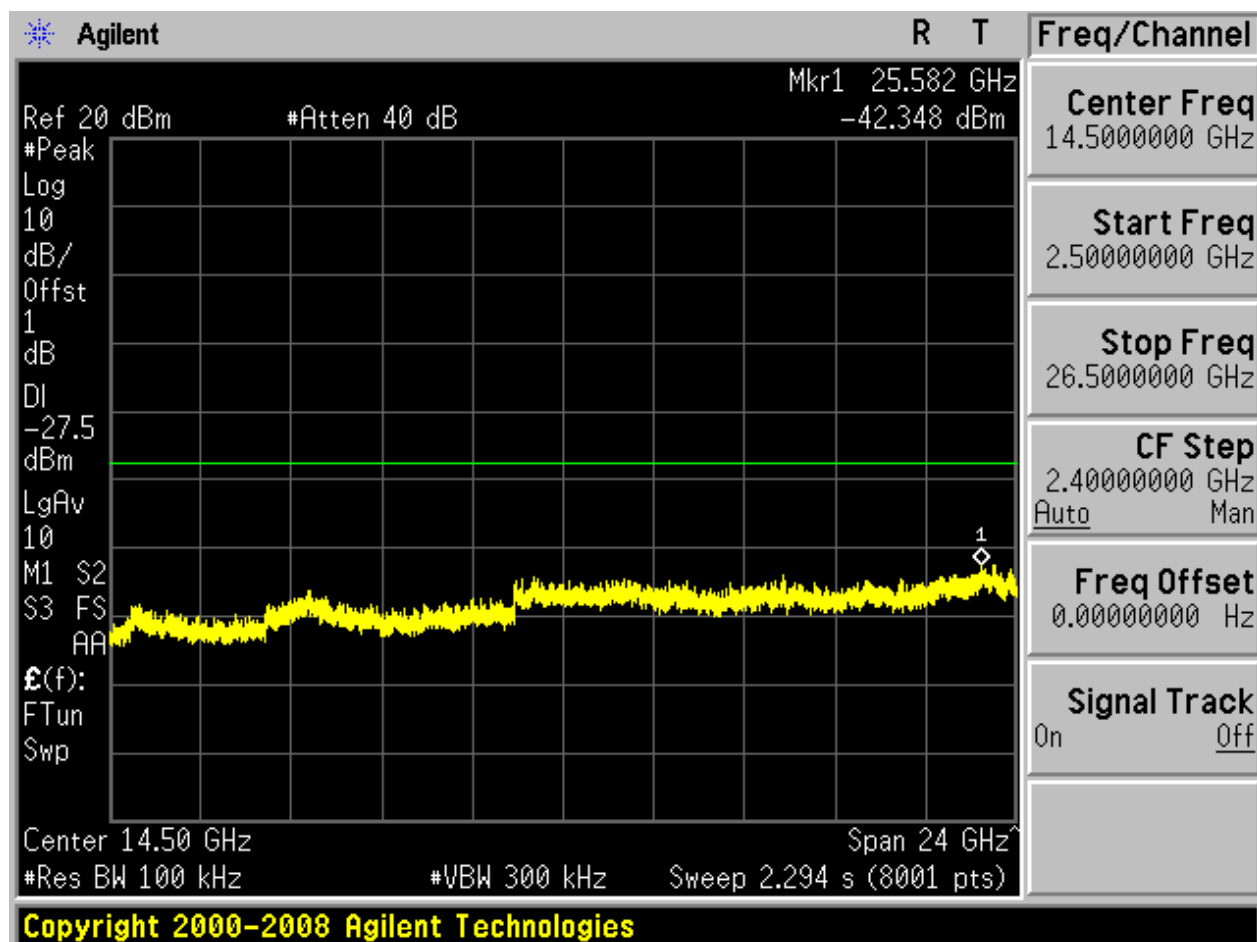








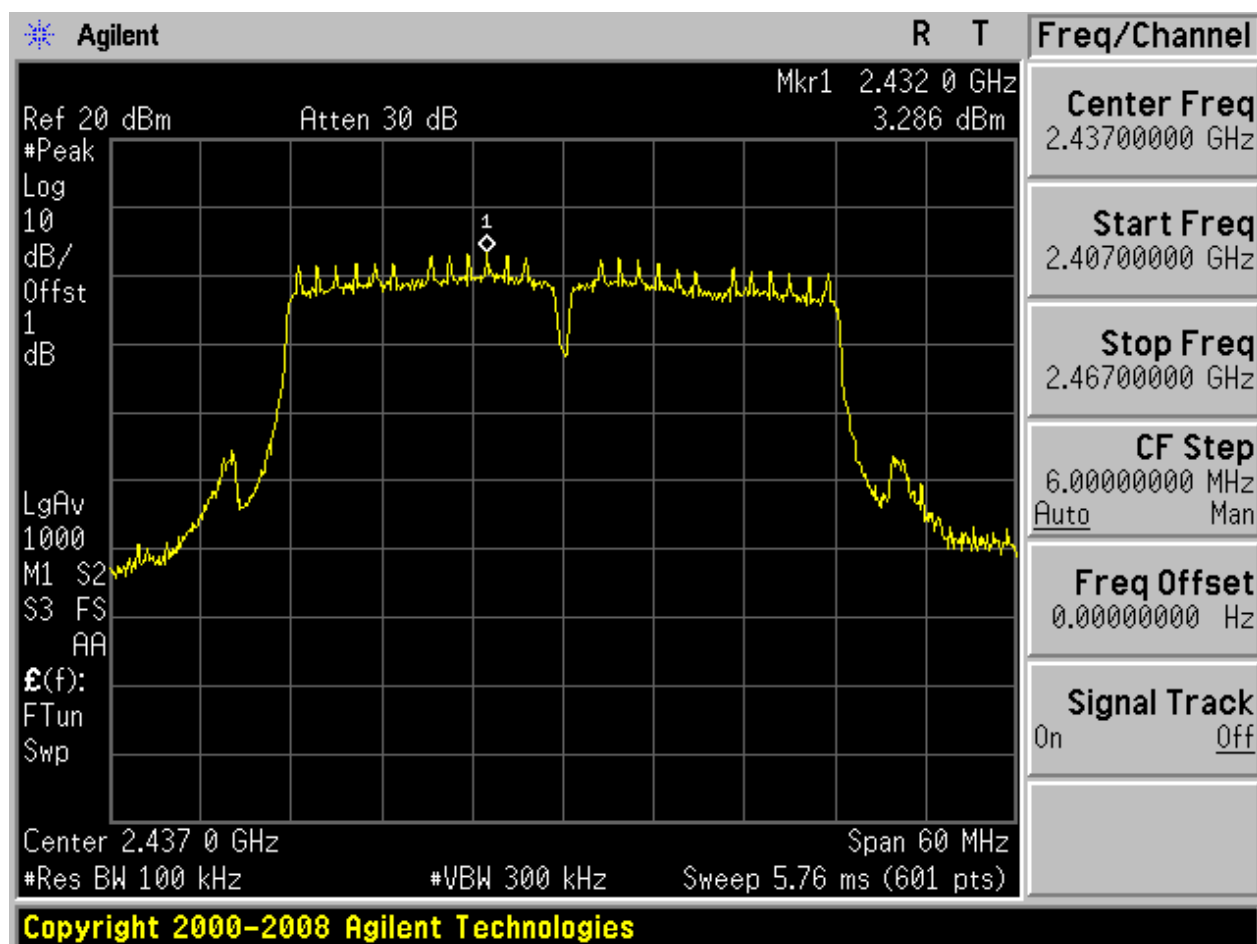






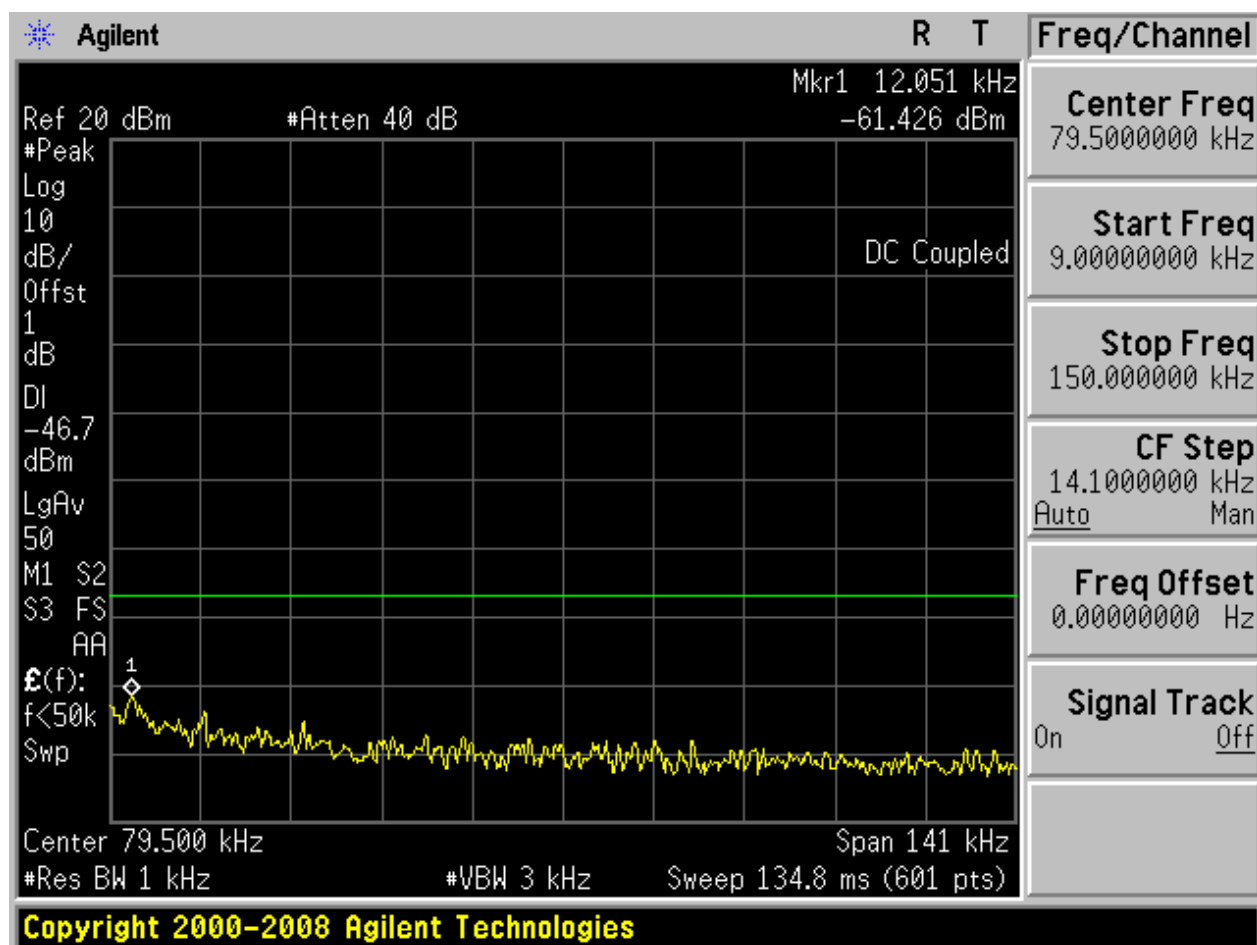
2.21 11N40_M@Ant 1

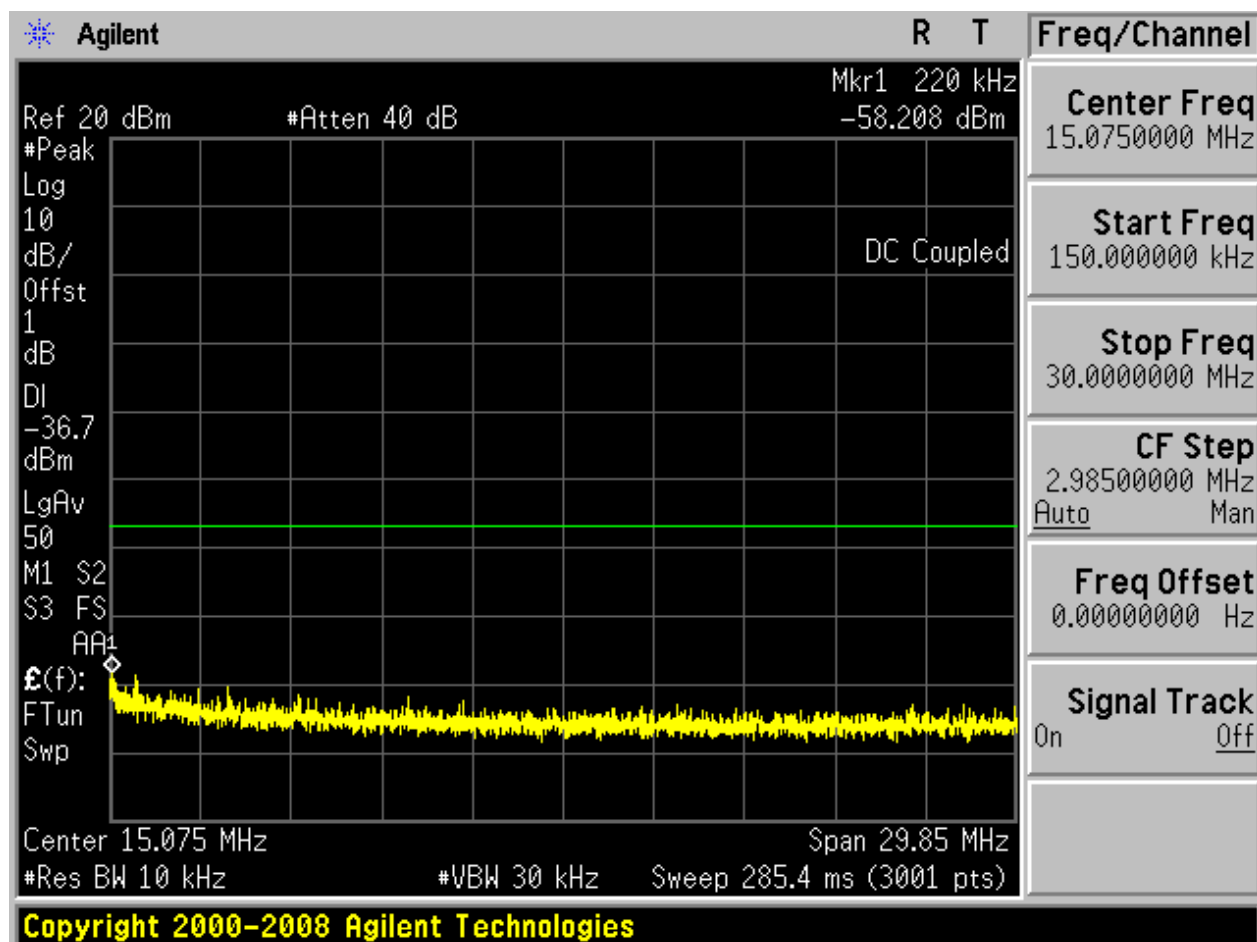
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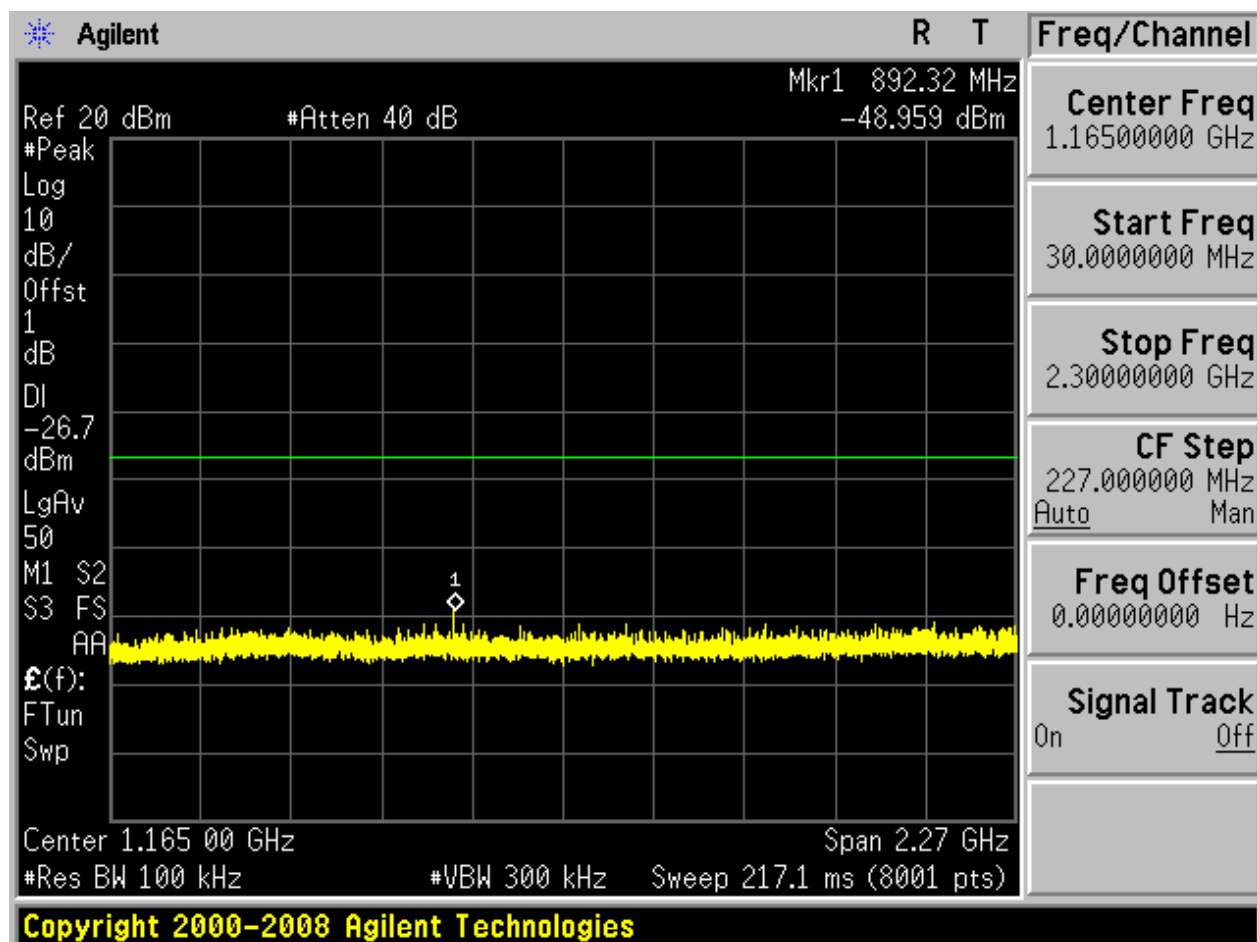


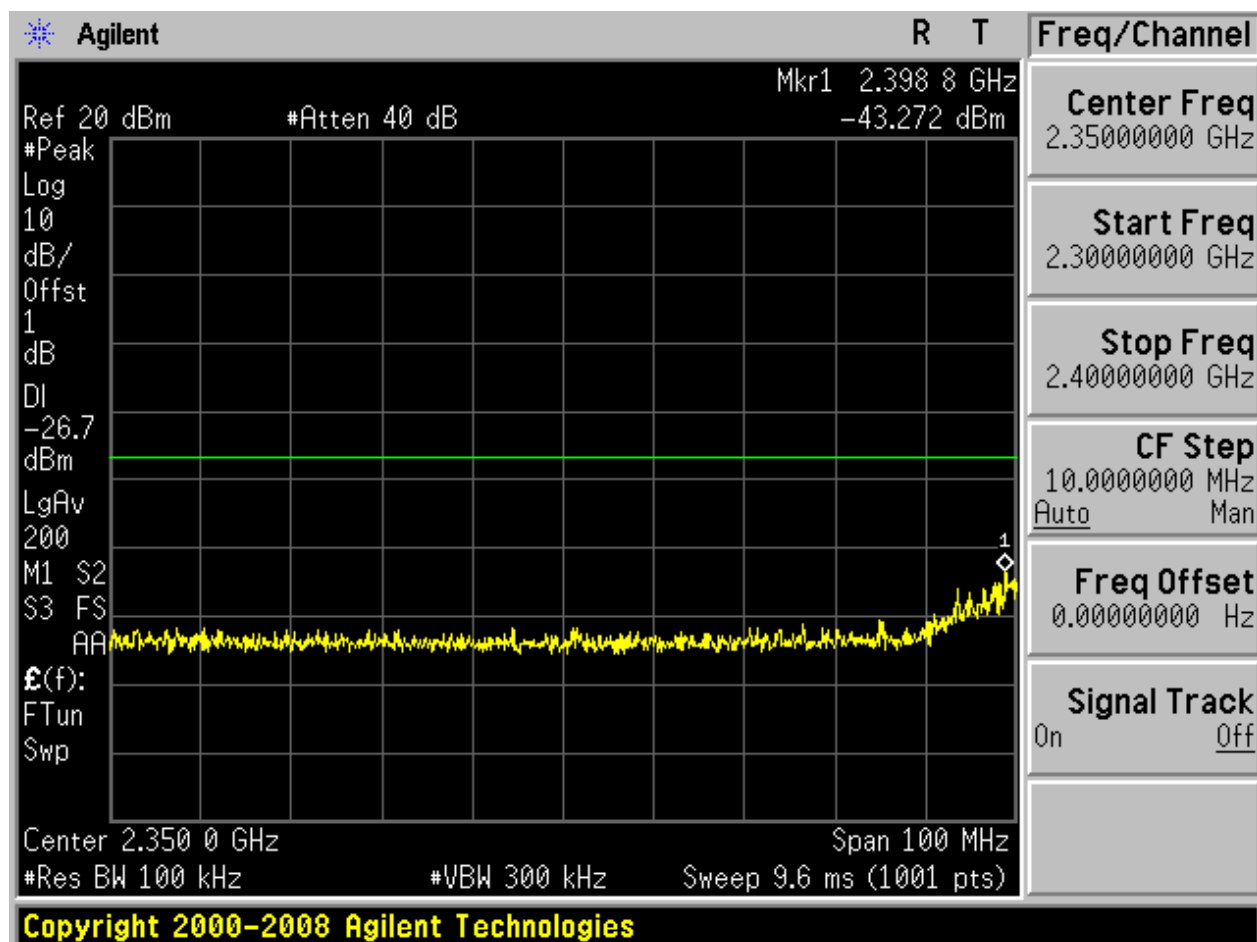


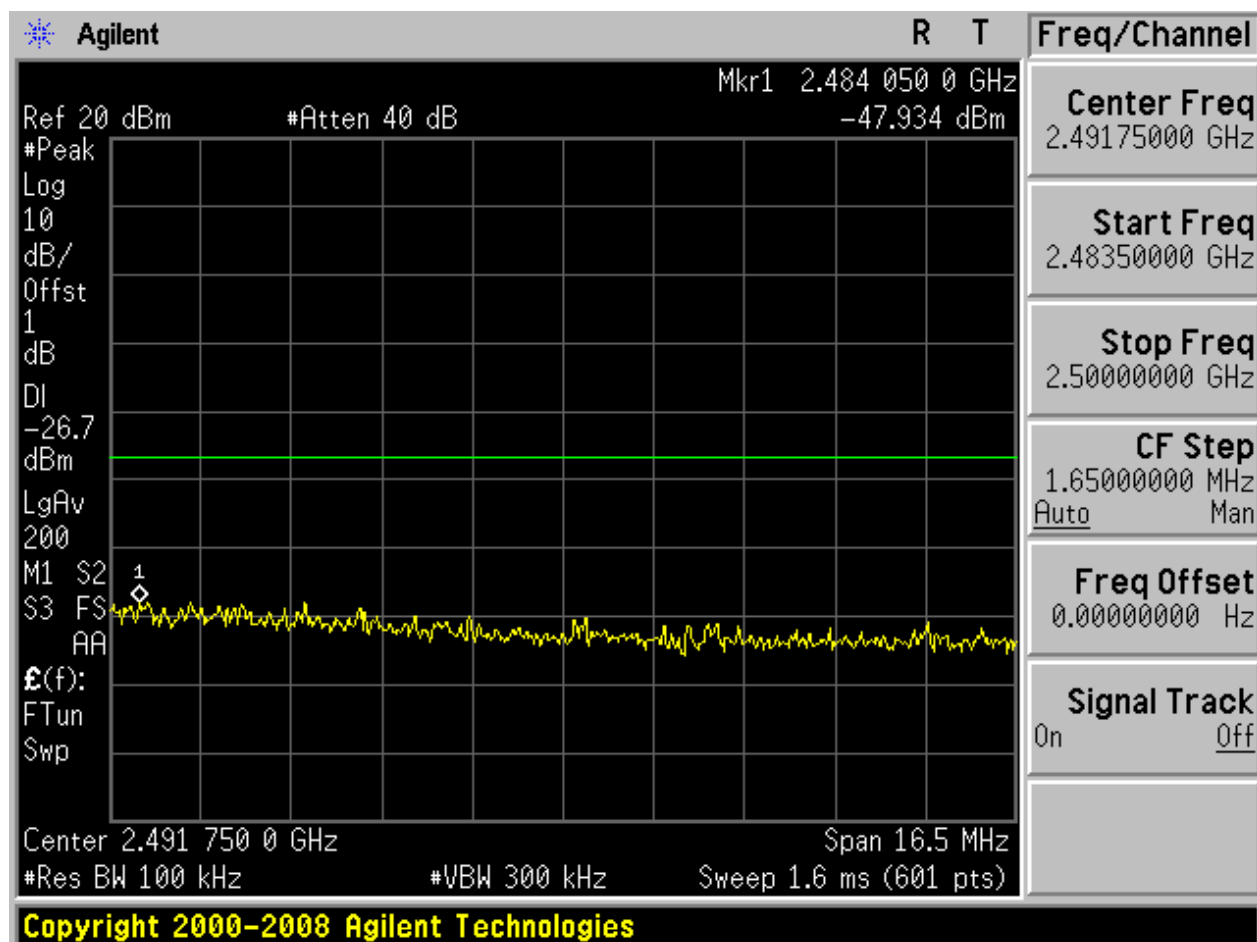
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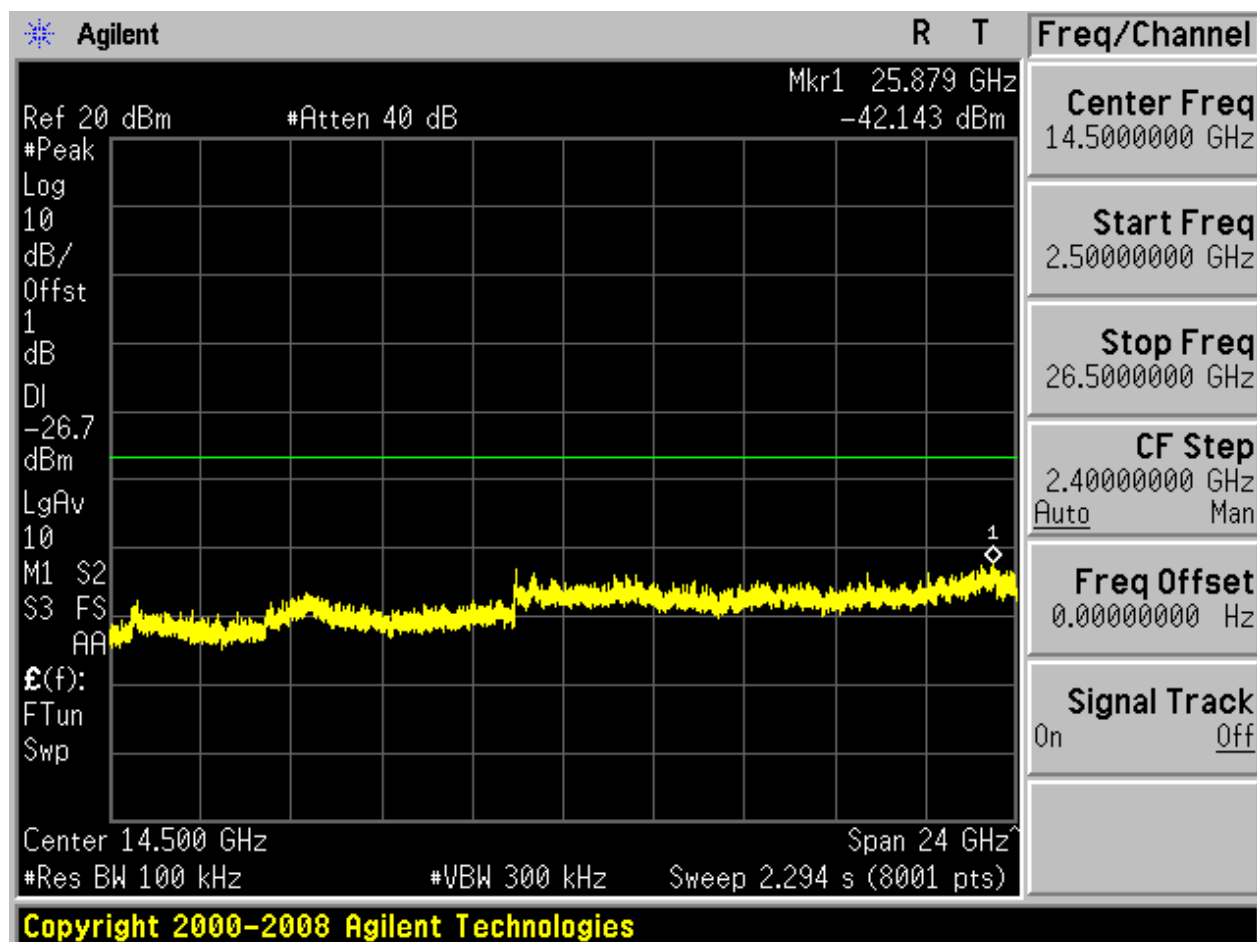








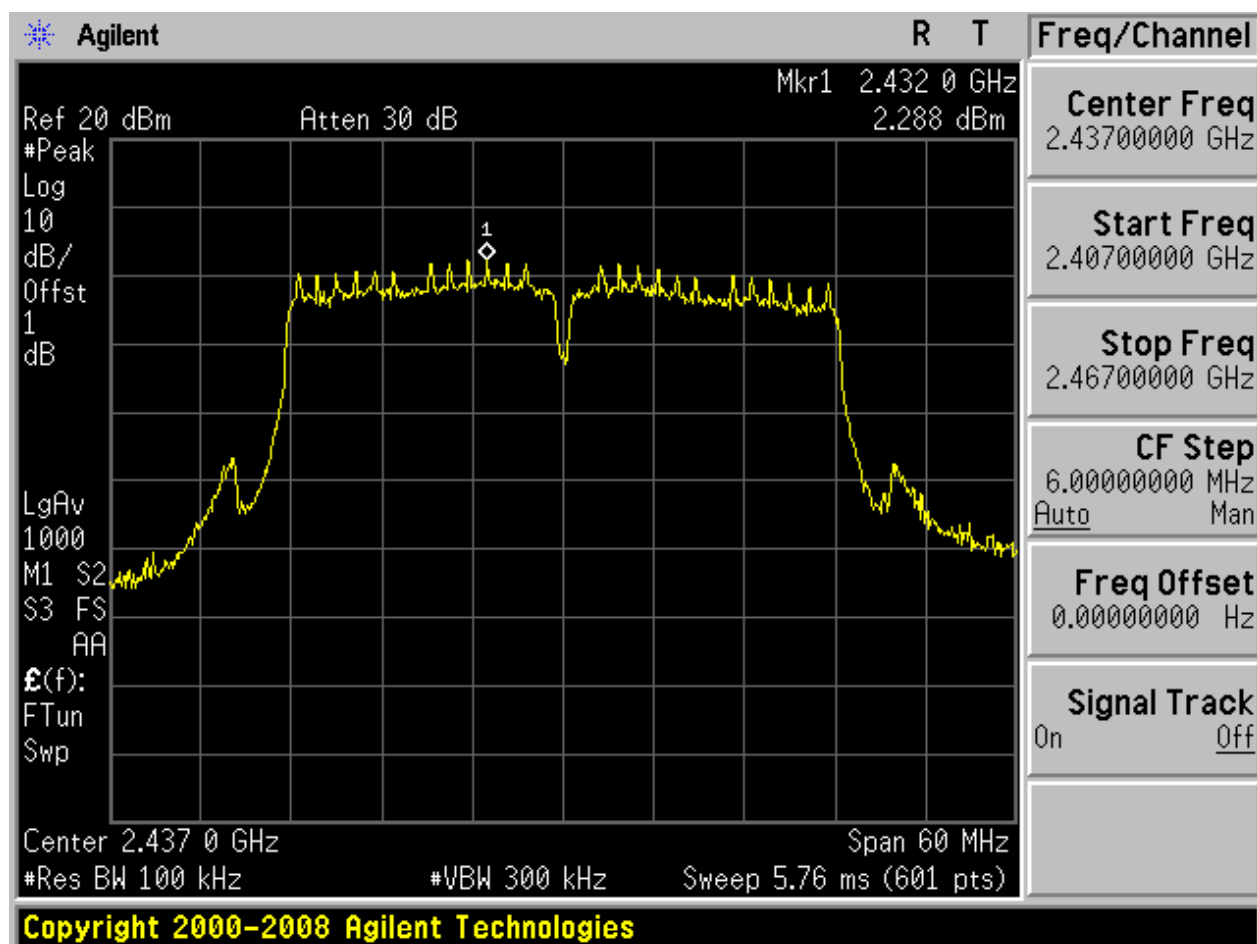






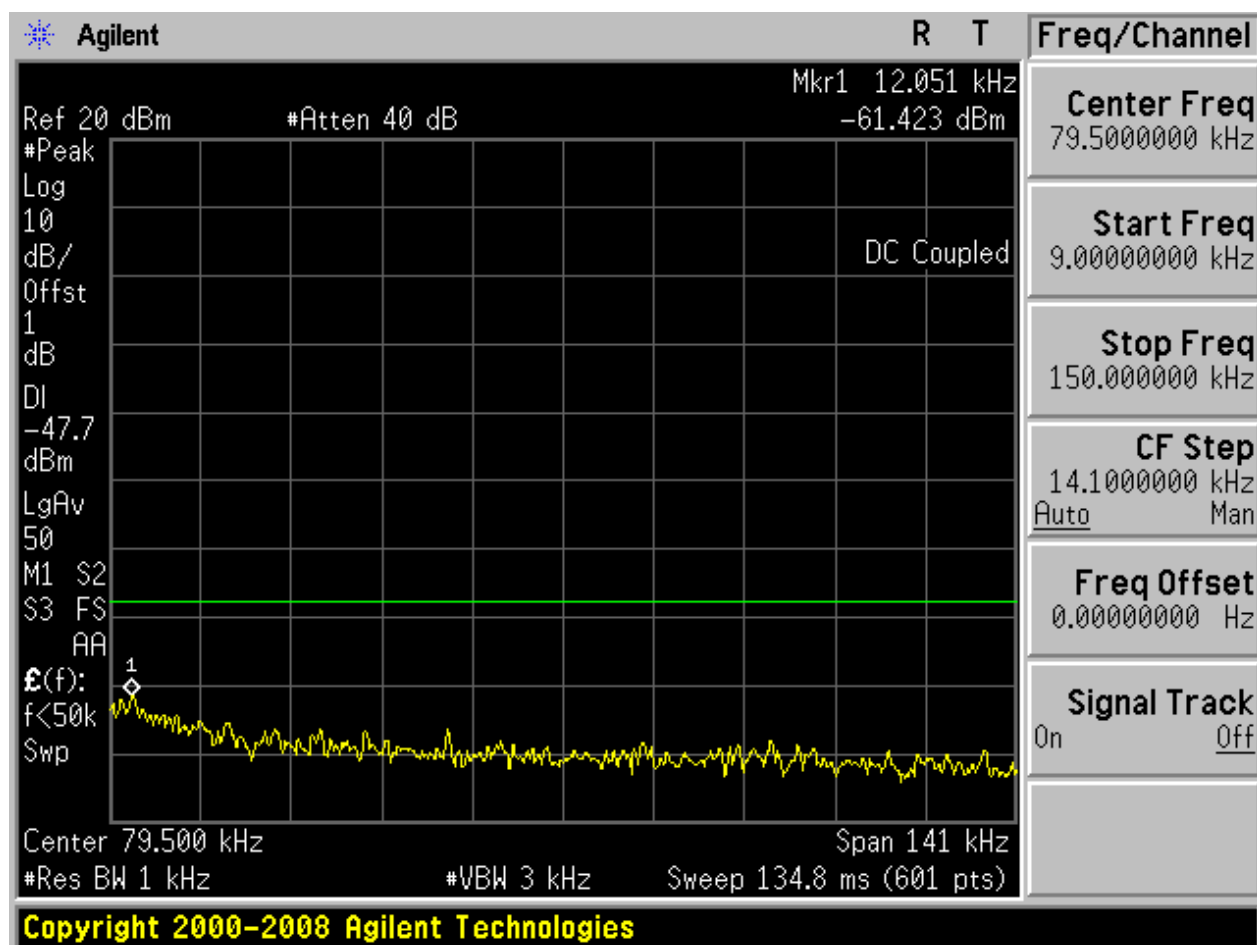
2.22 11N40_M@Ant 2

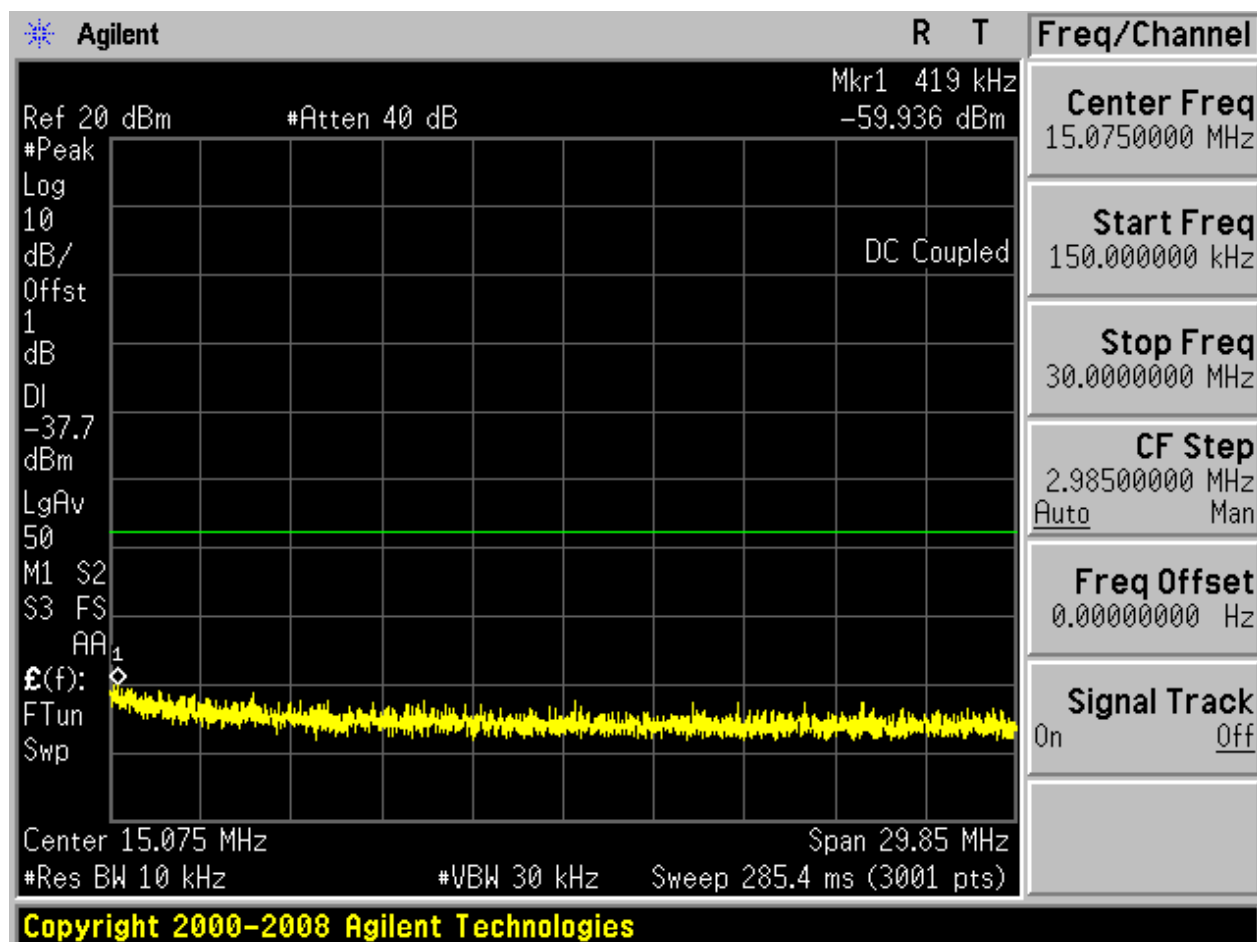
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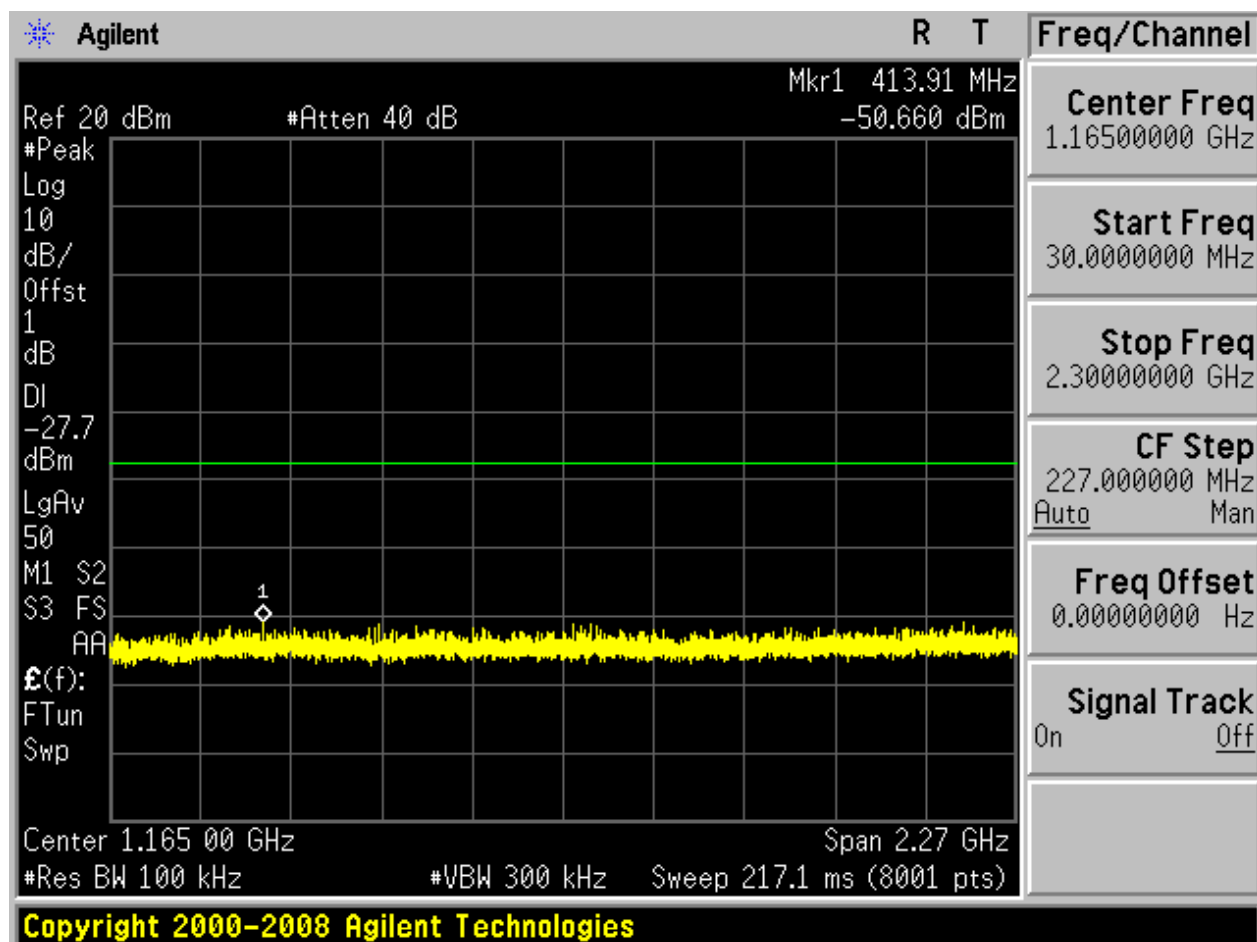


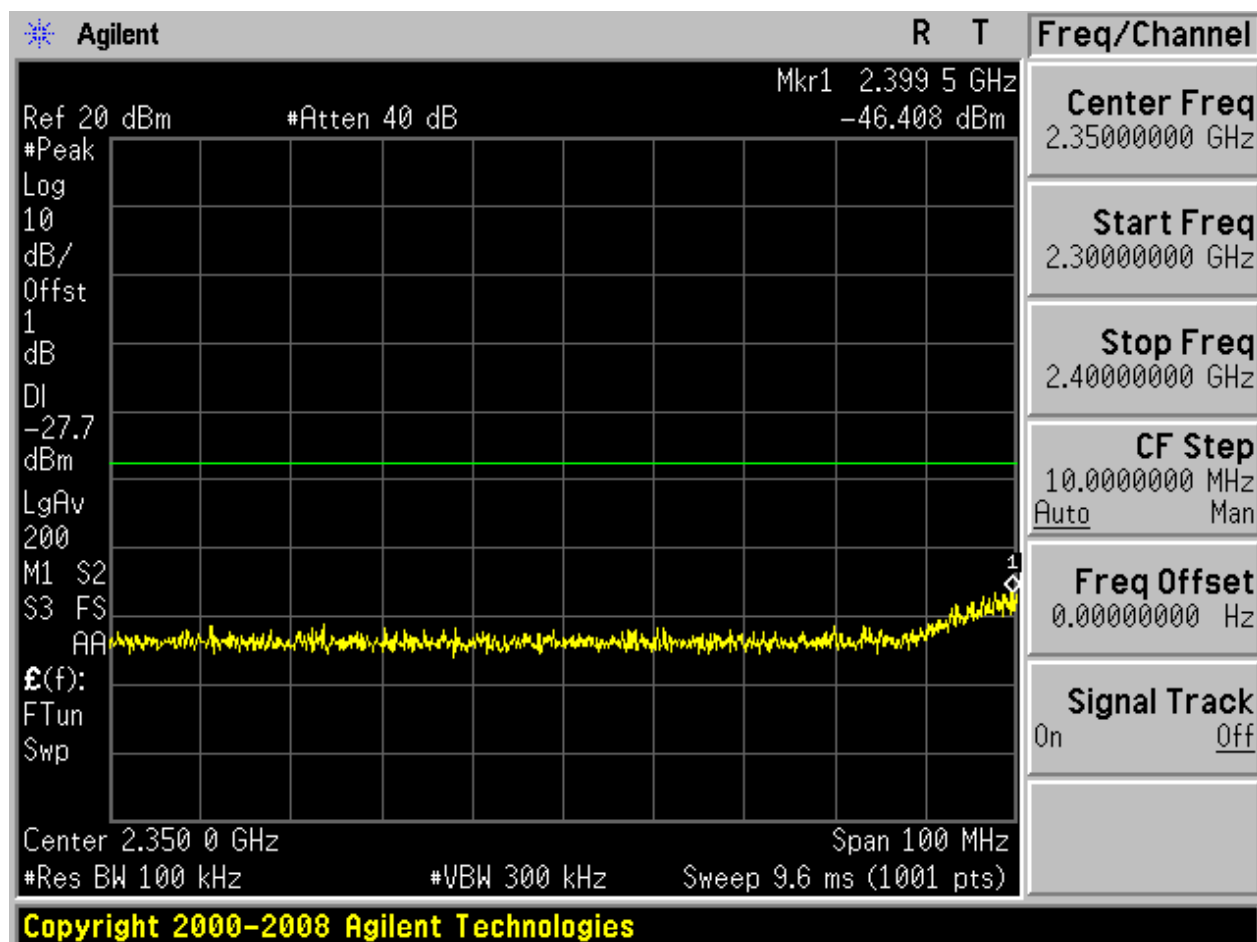


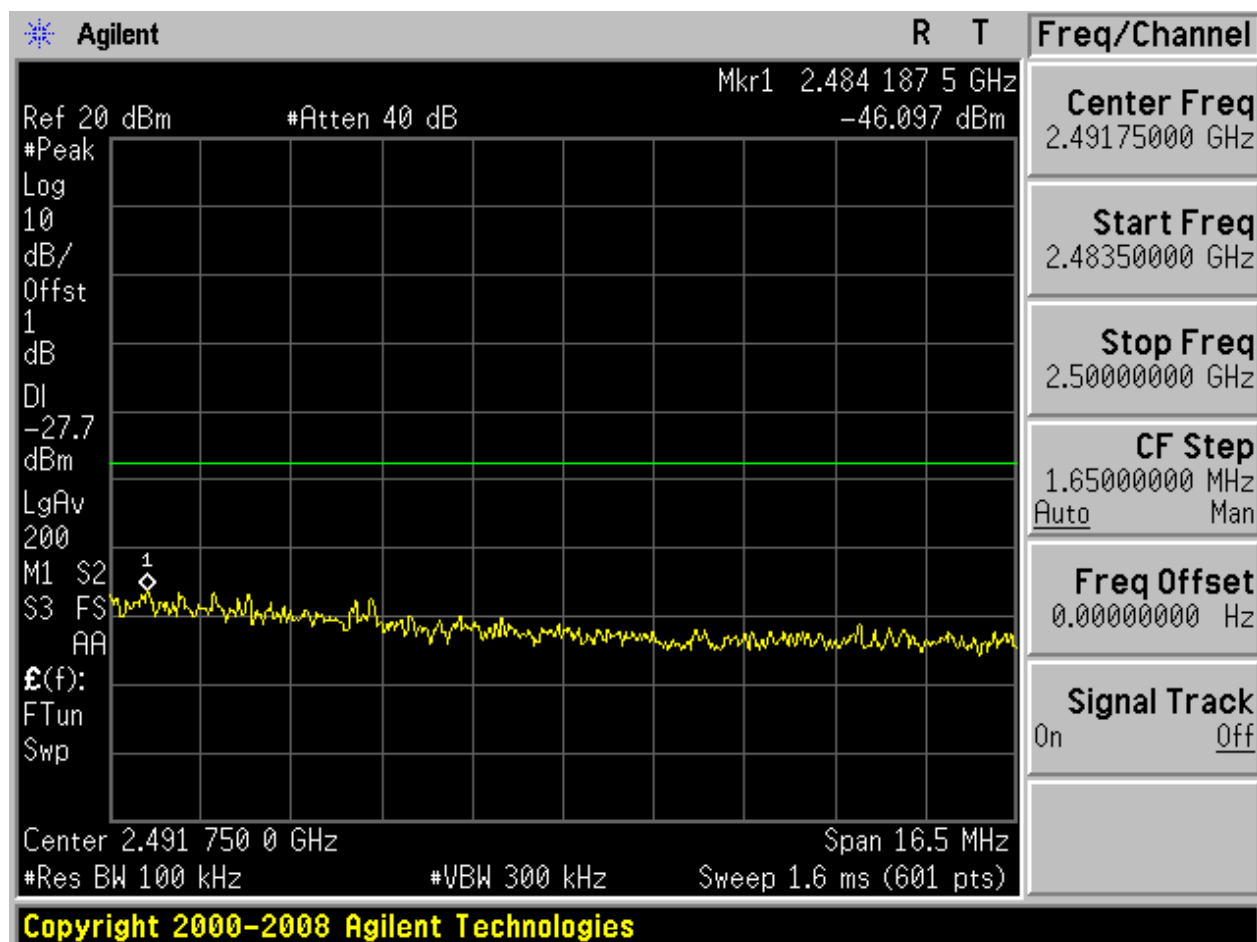
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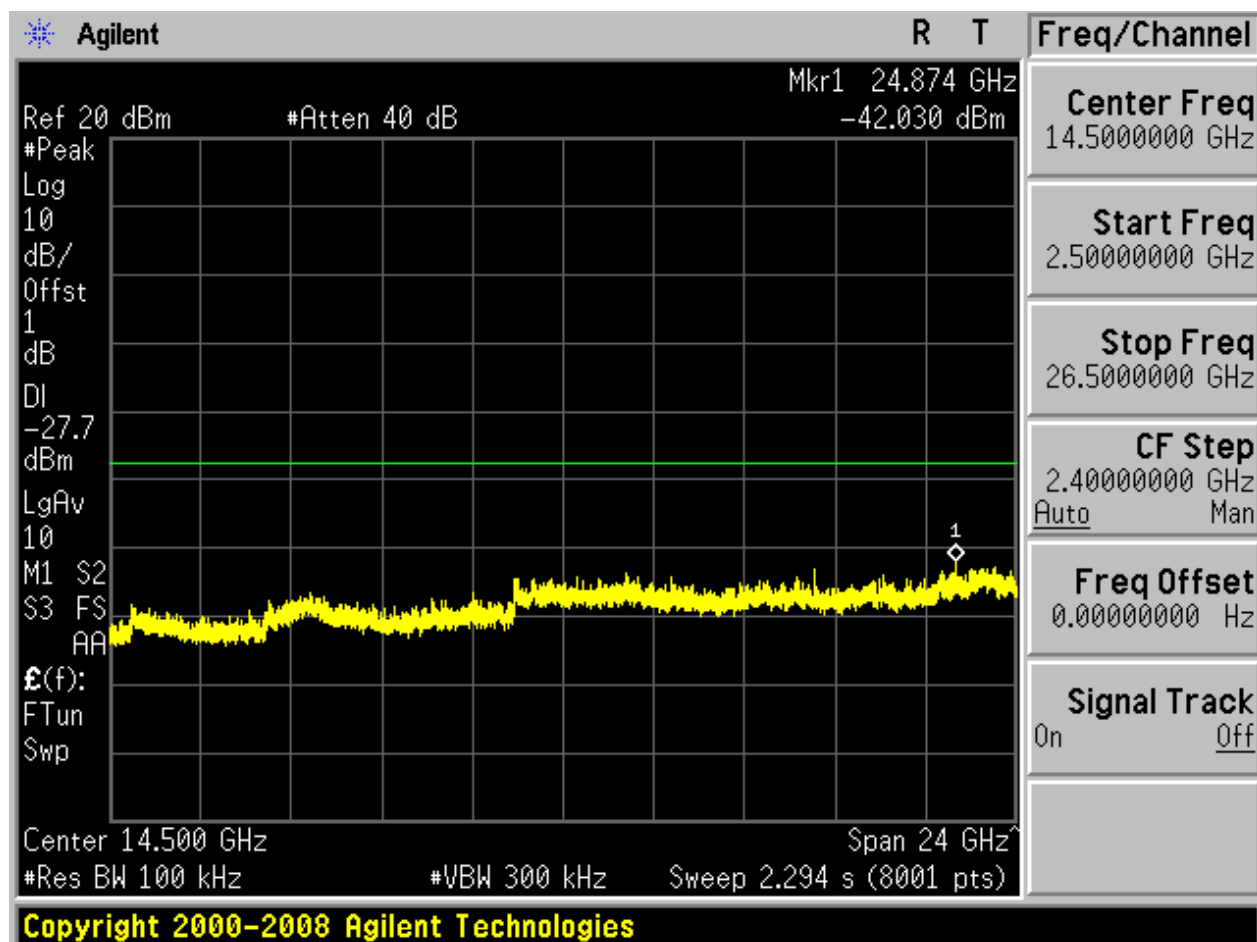








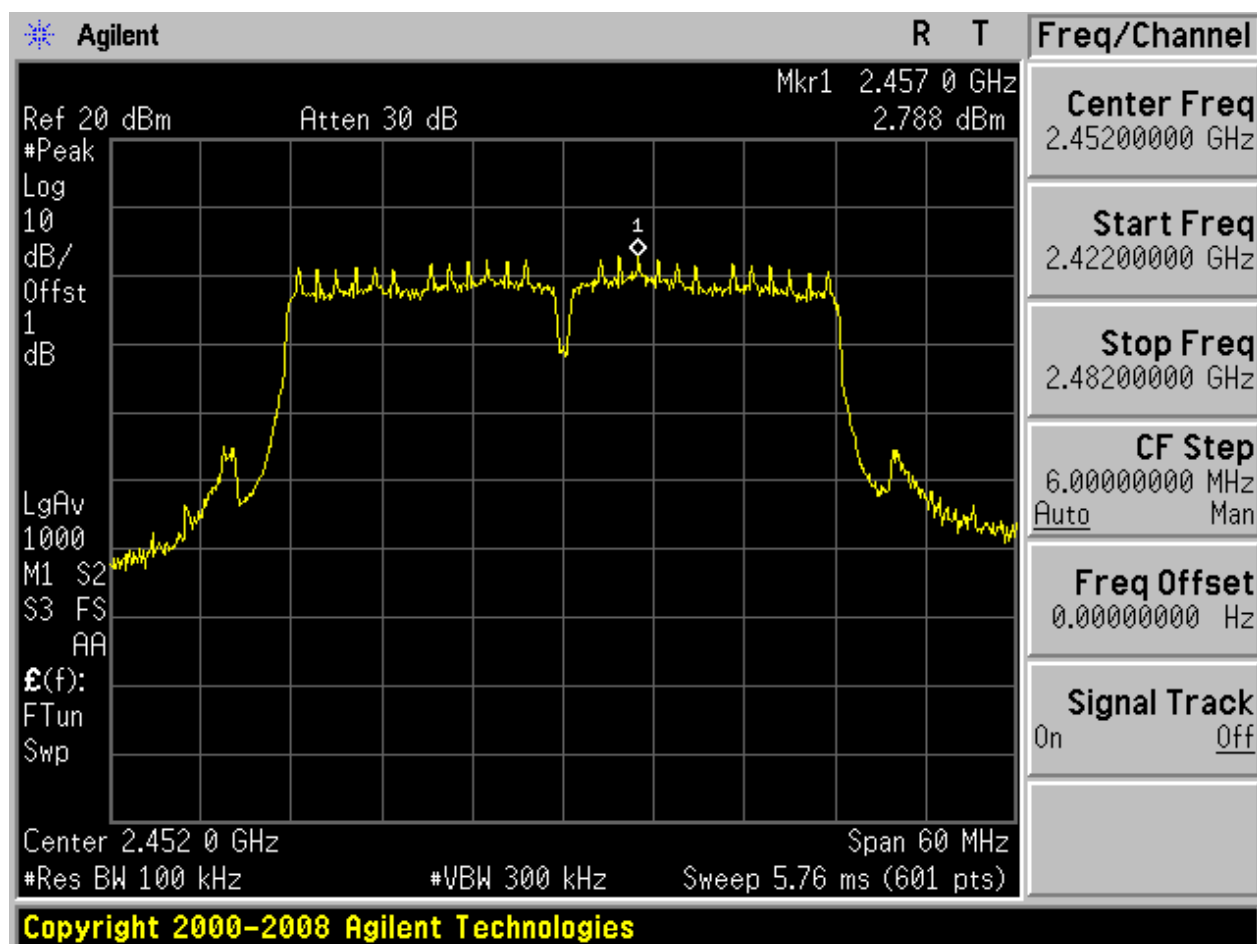






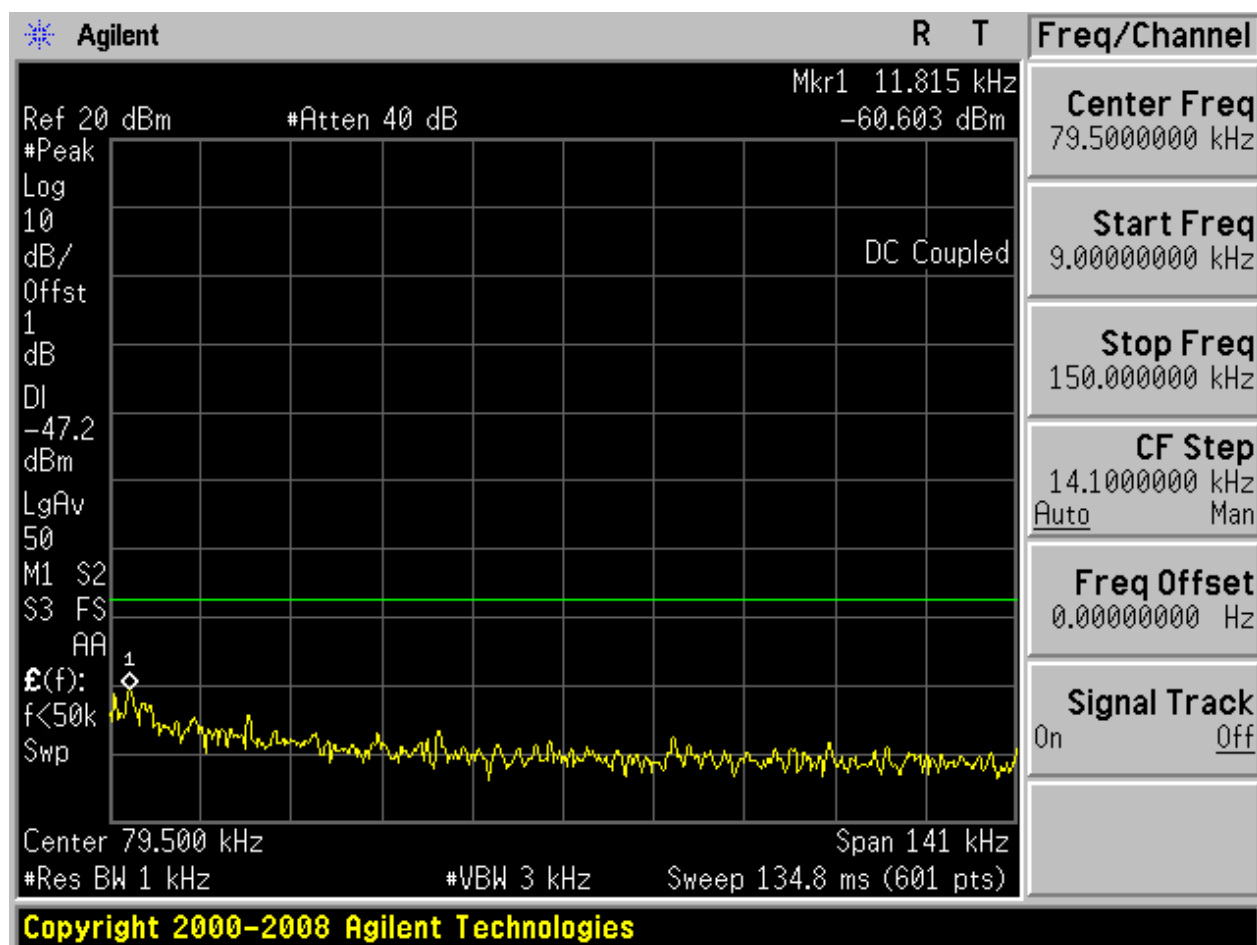
2.23 11N40_H@Ant 1

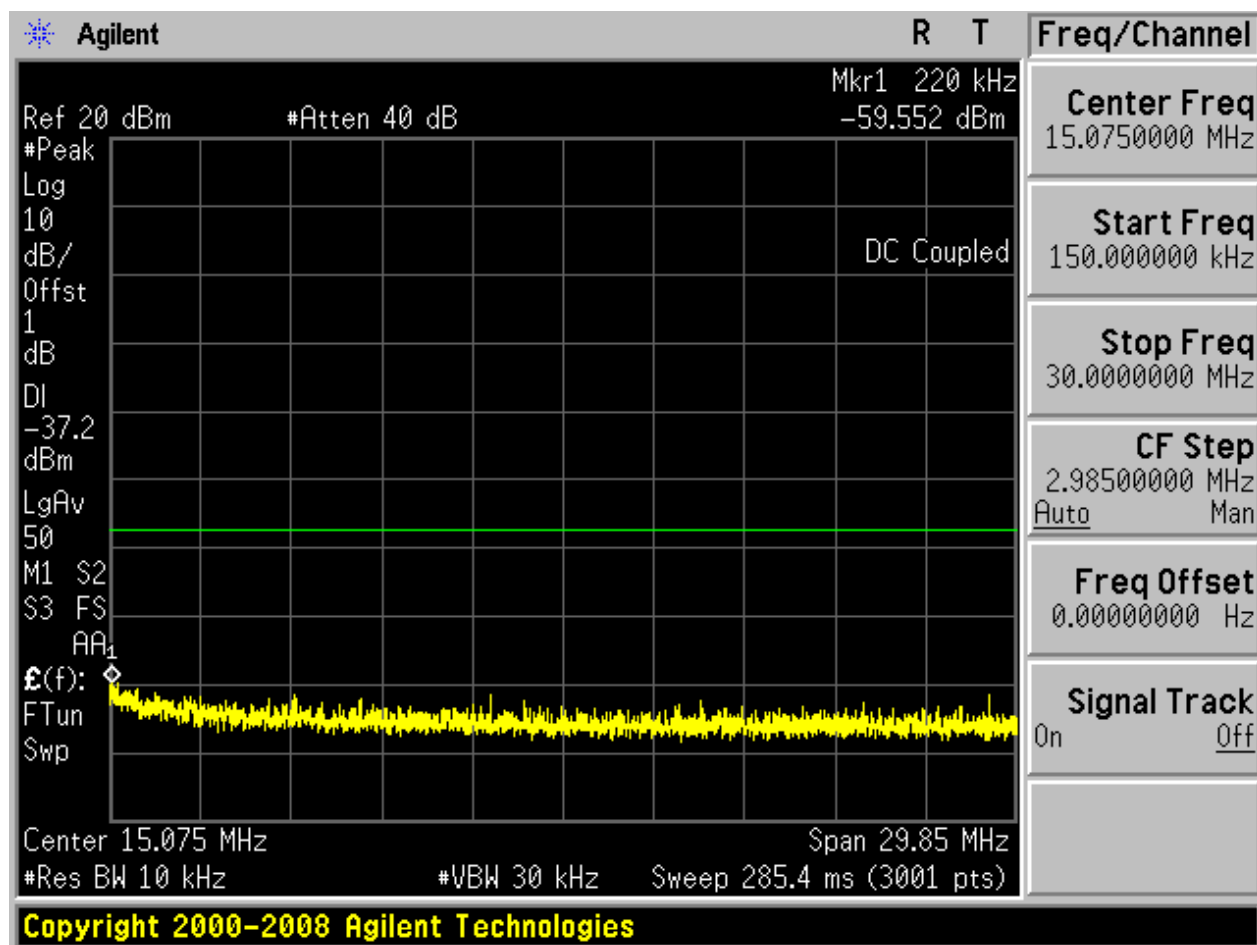
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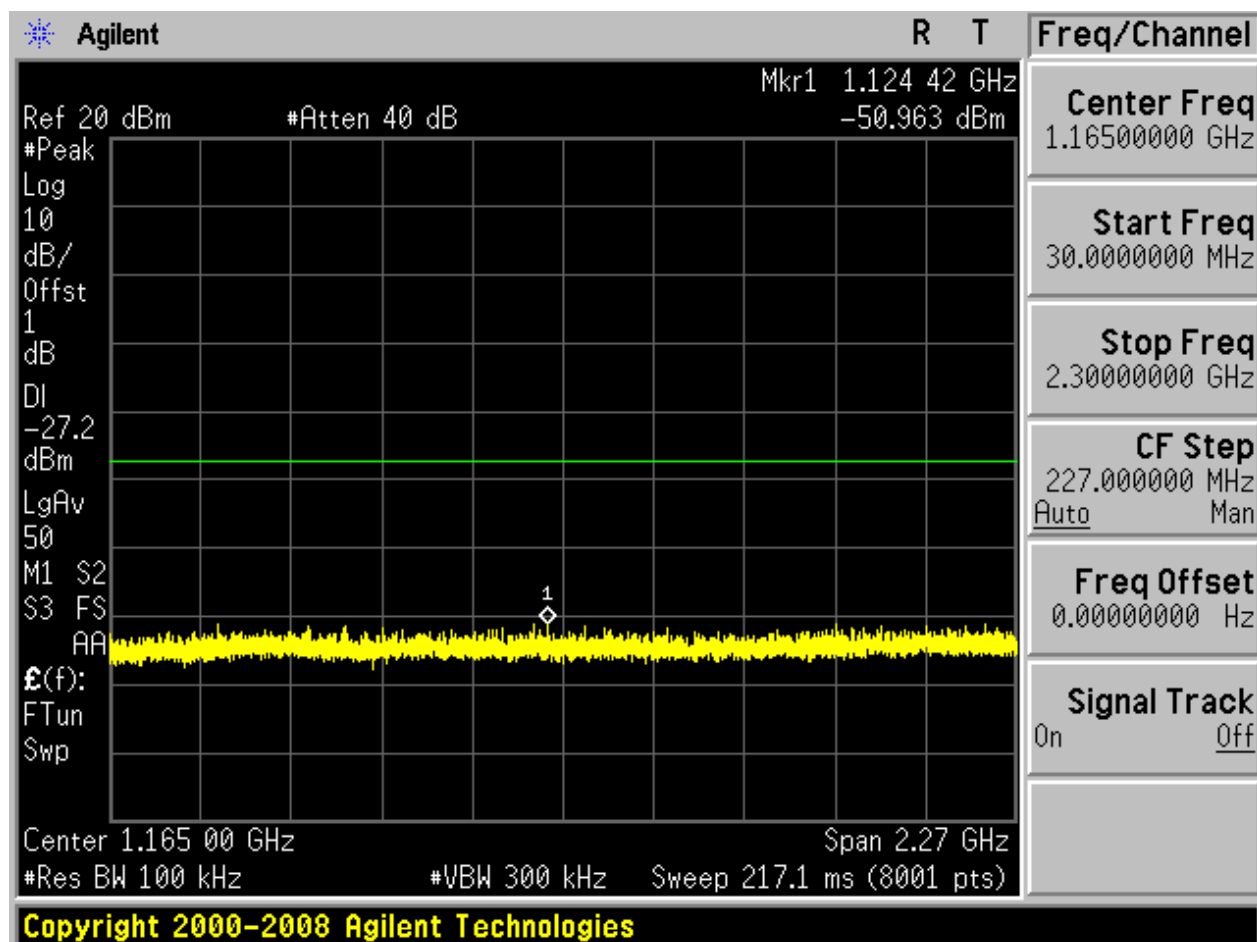


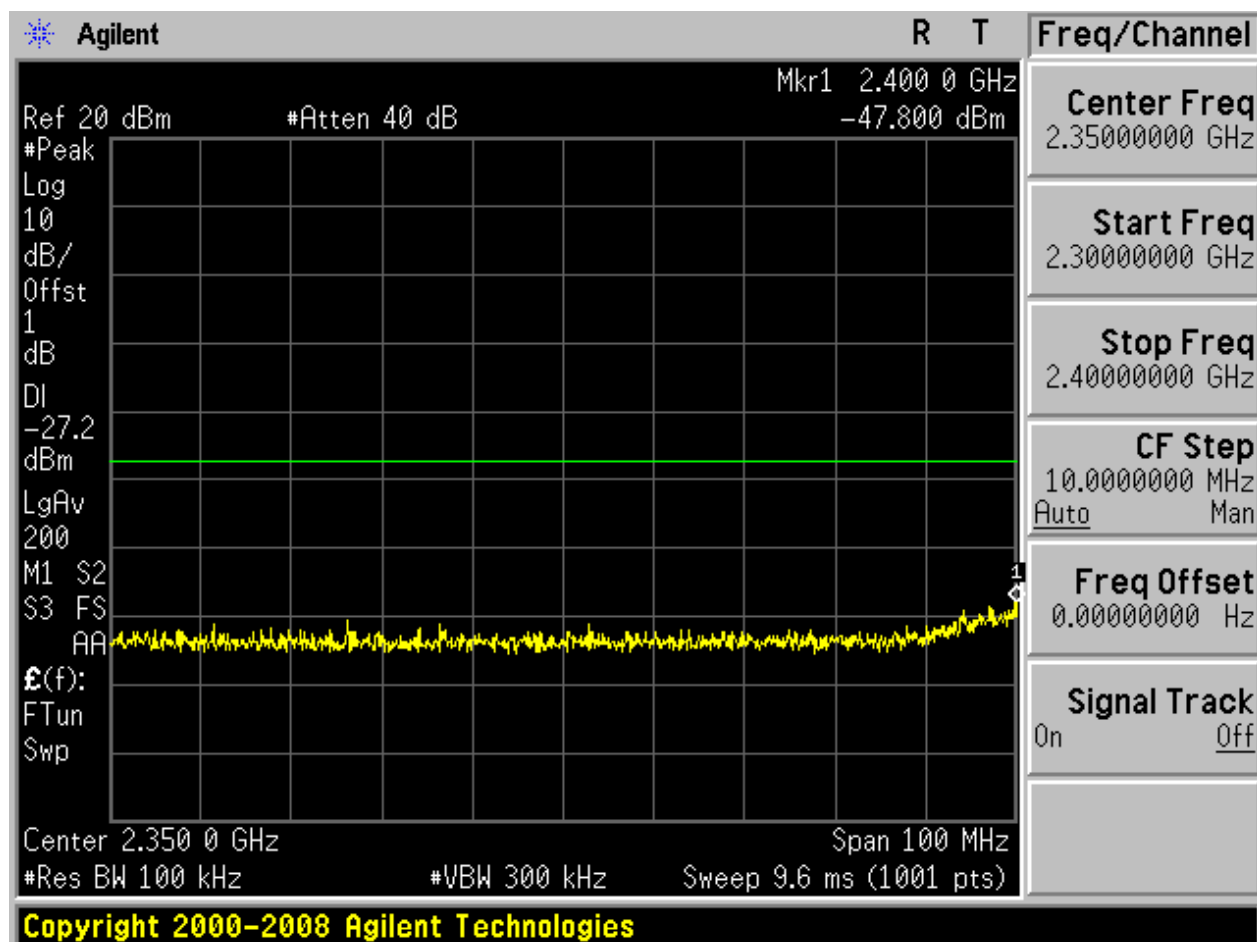


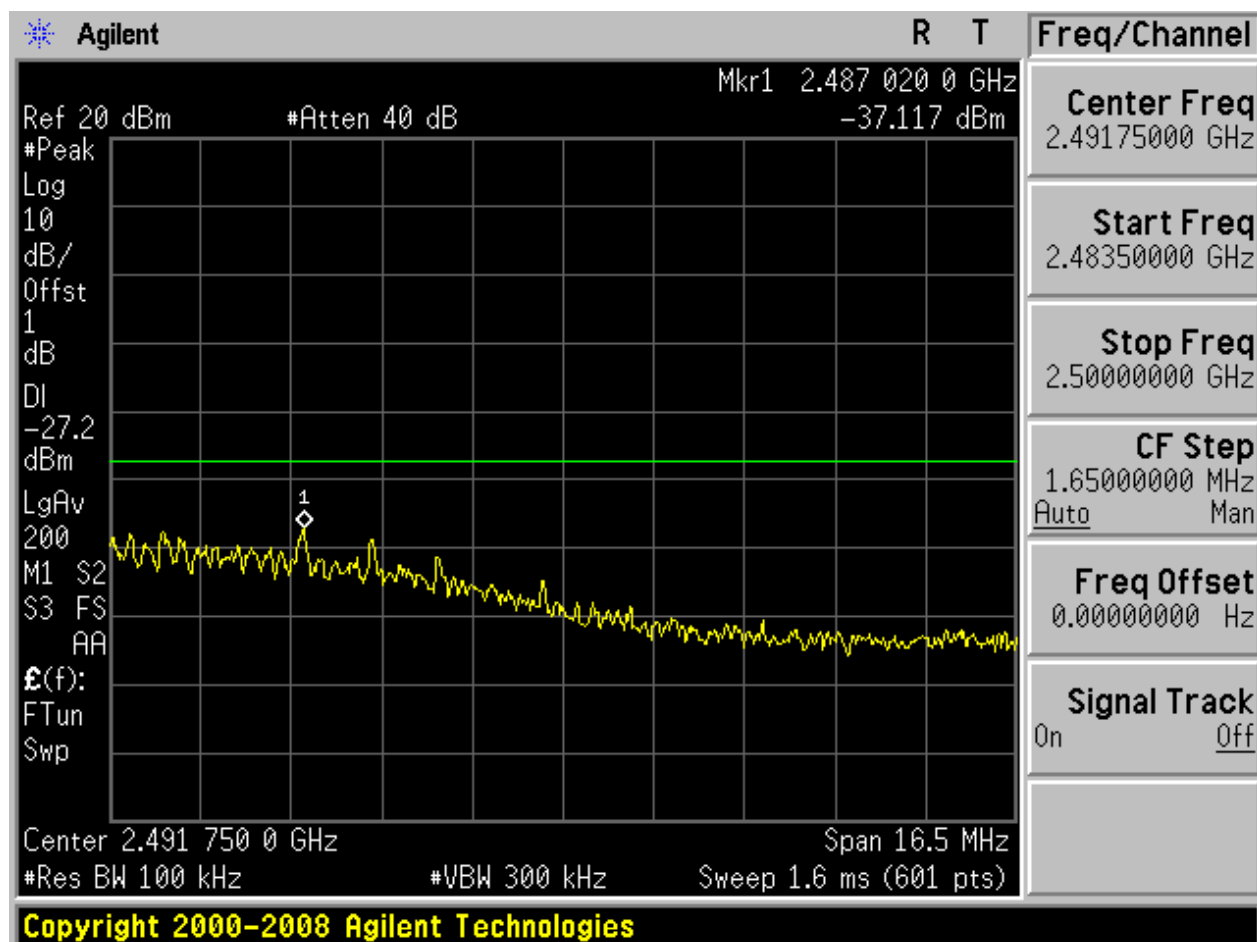
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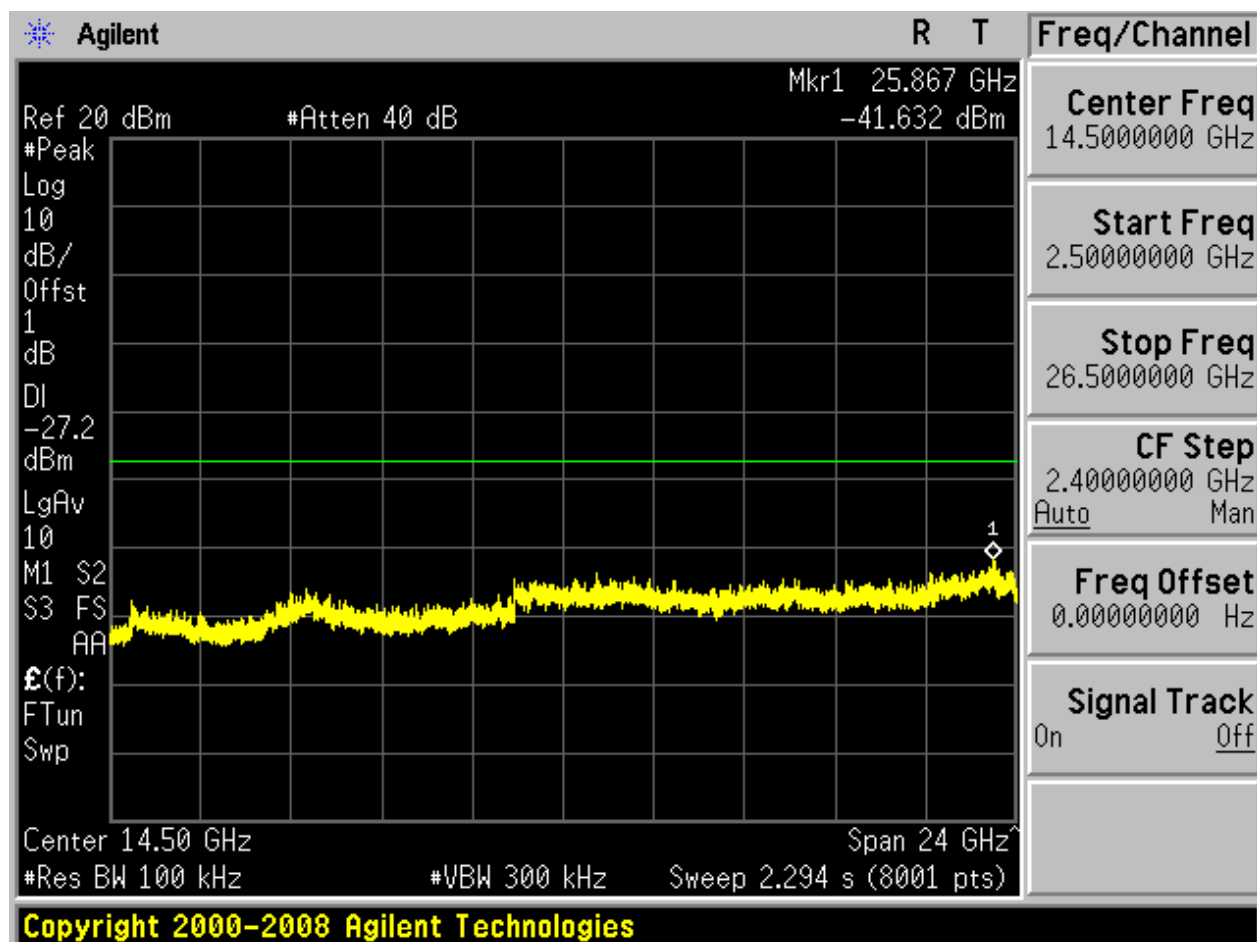








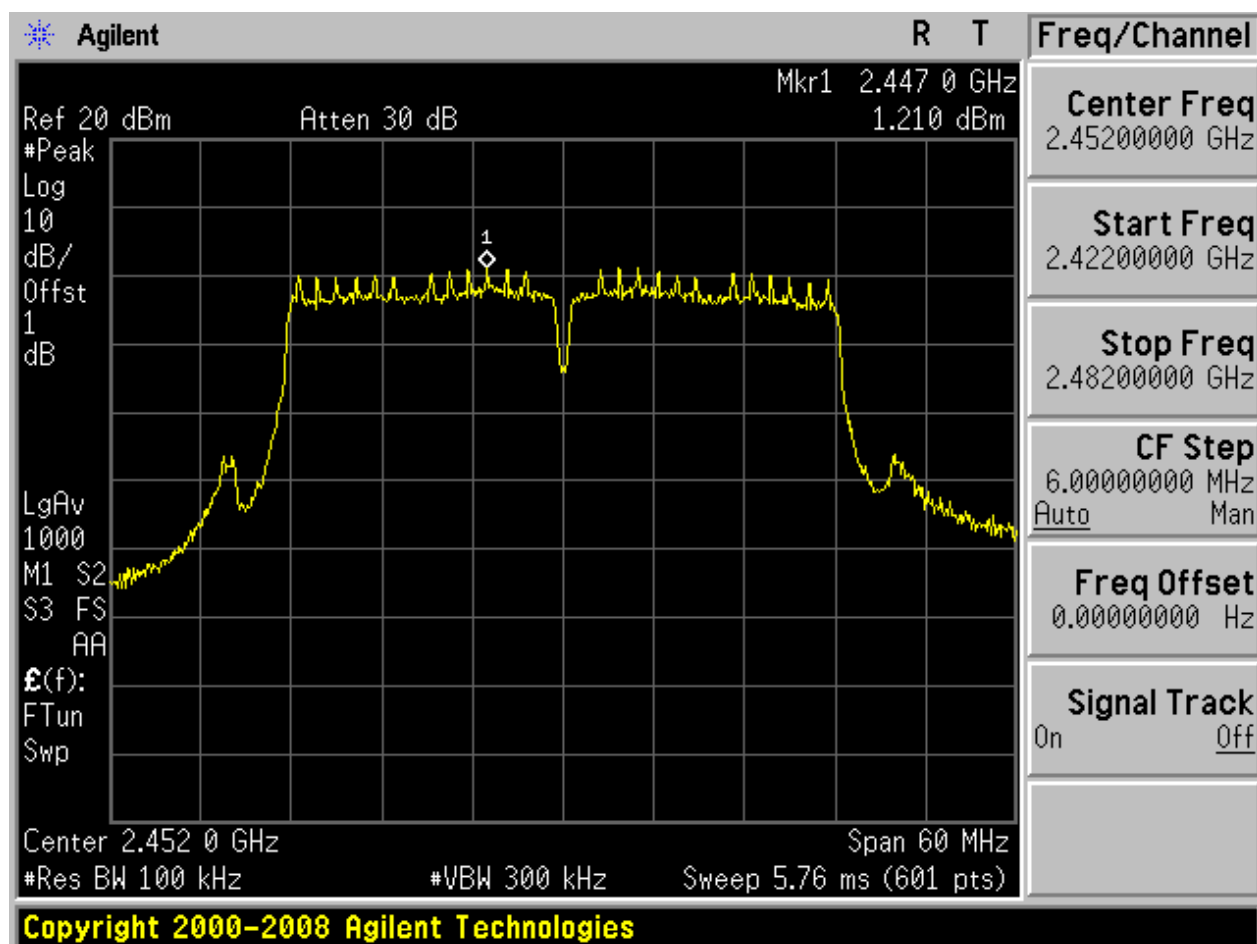






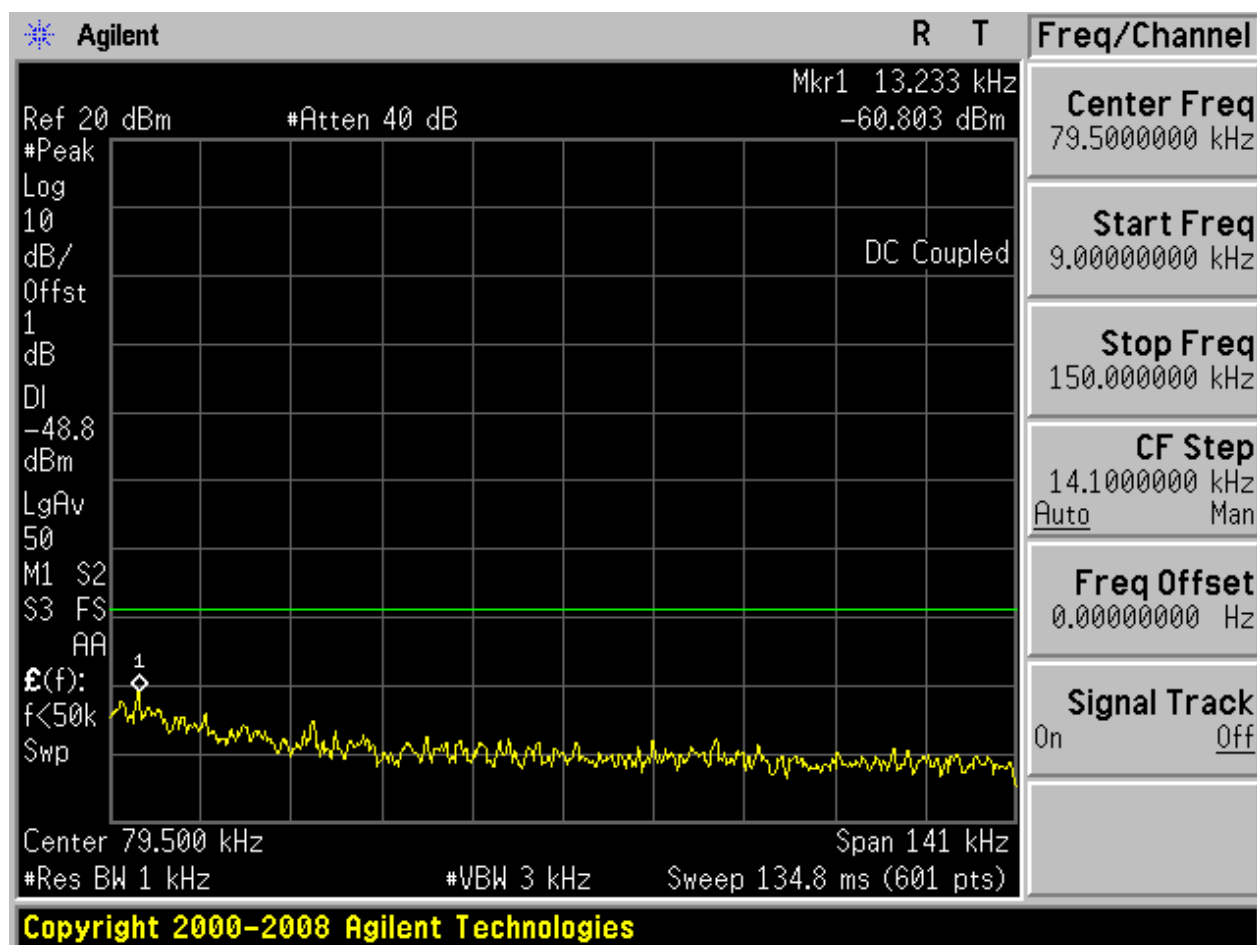
2.24 11N40_H@Ant 2

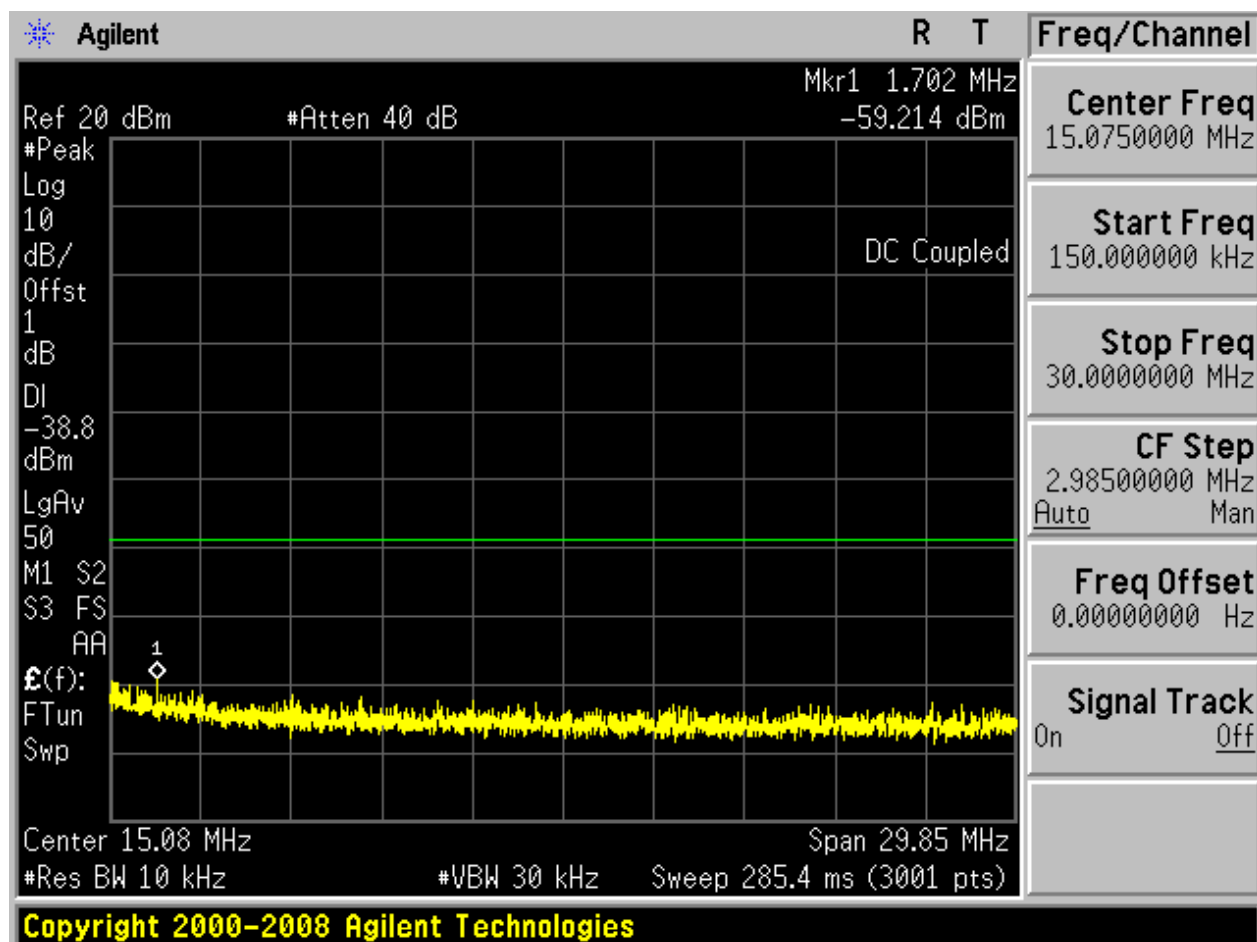
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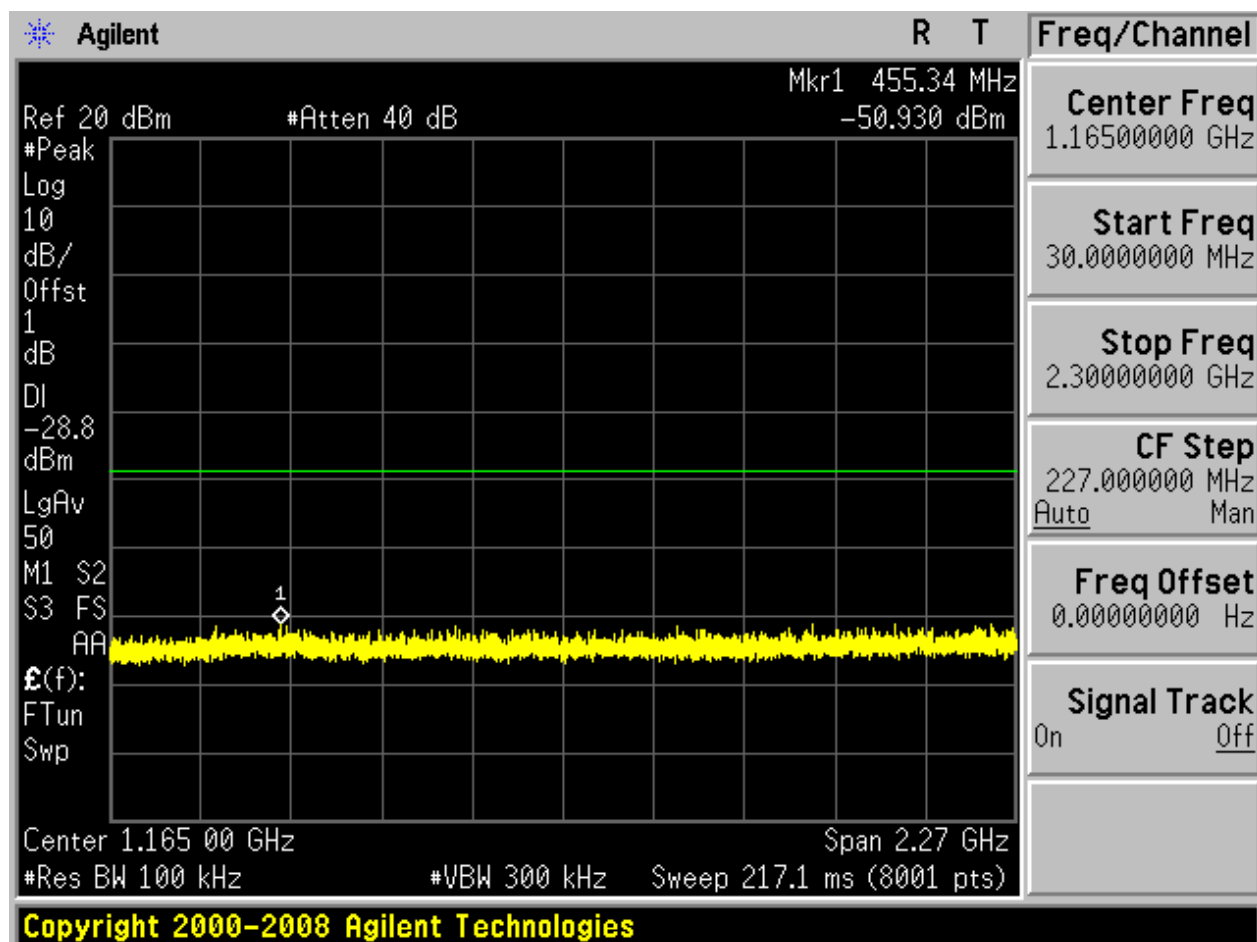


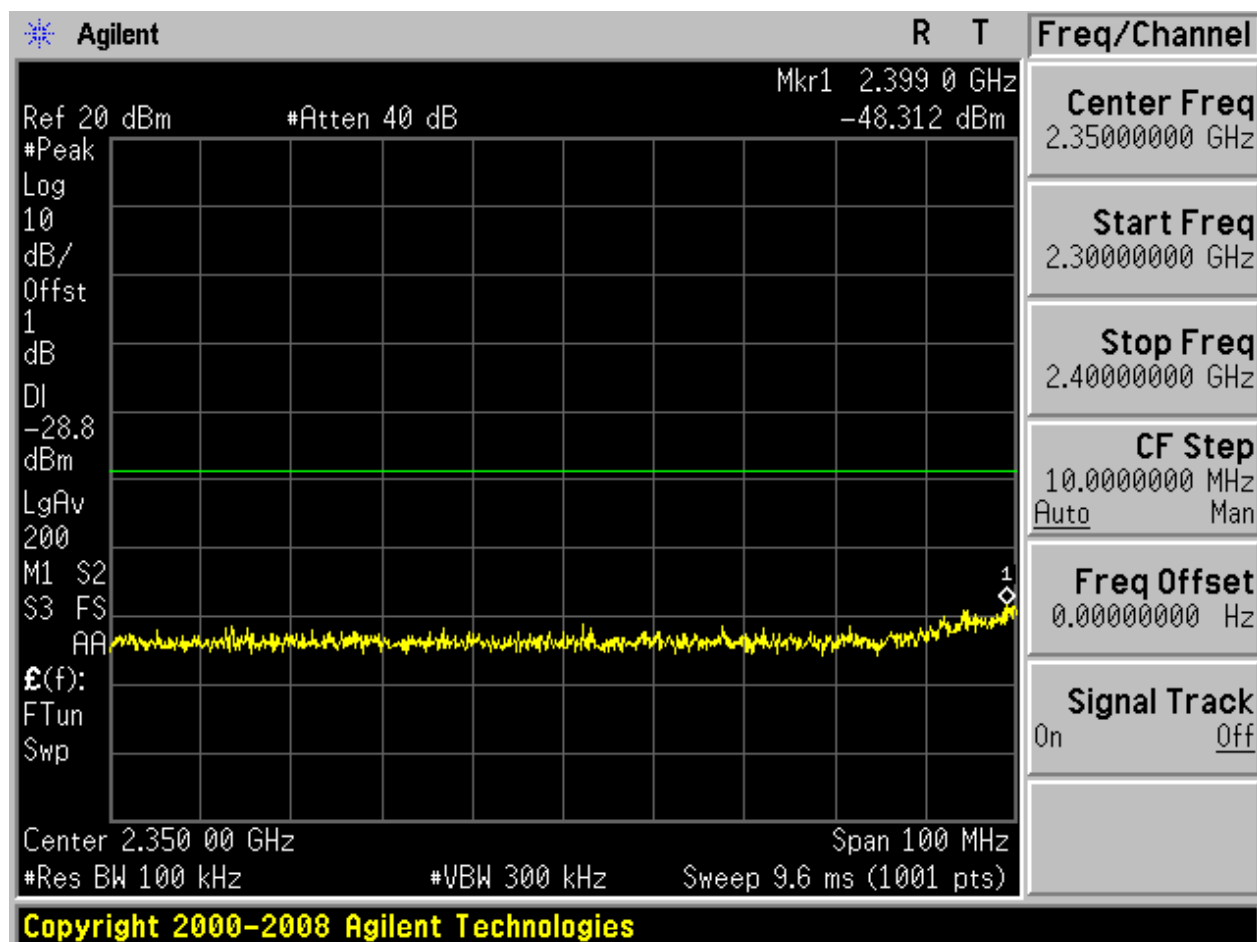


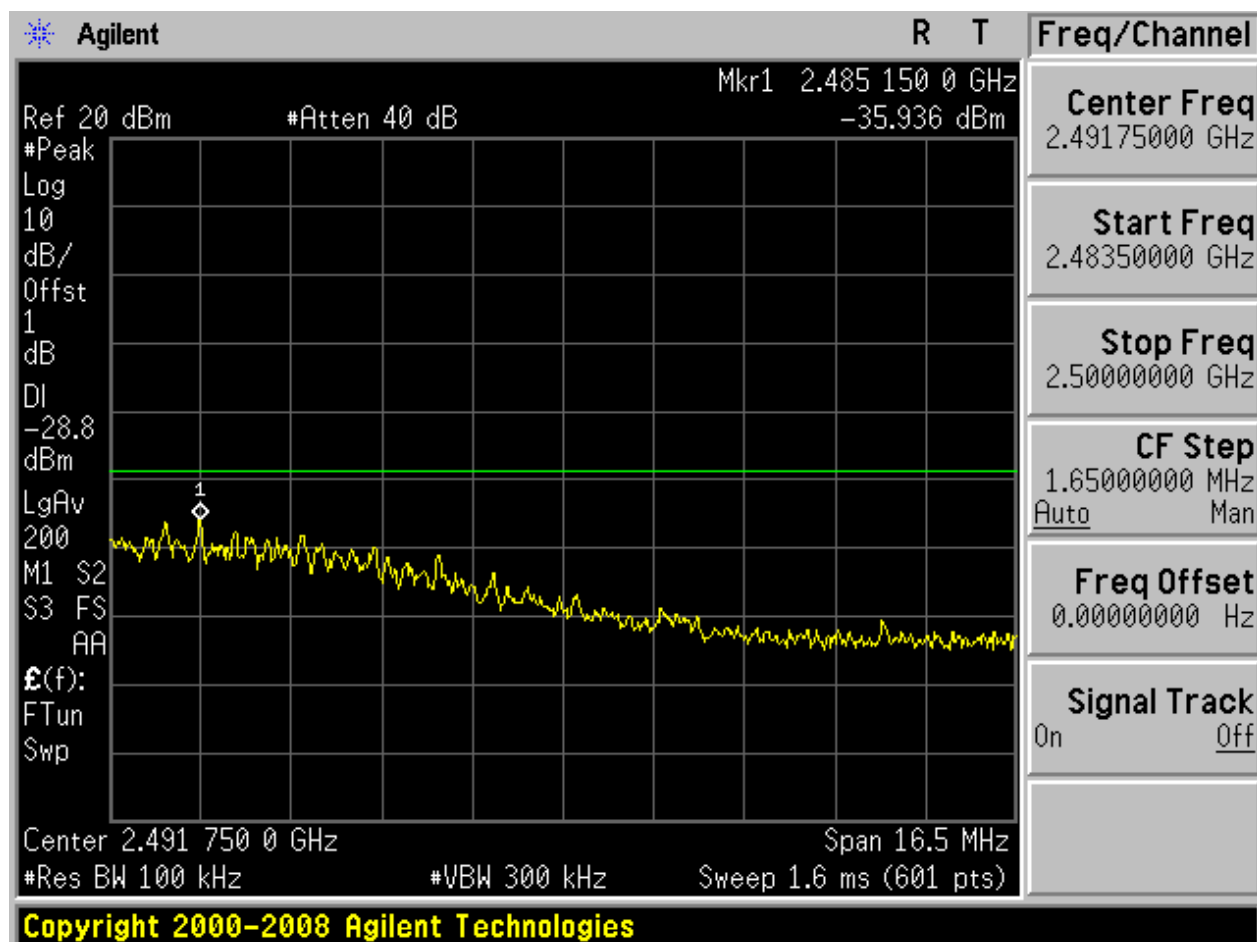
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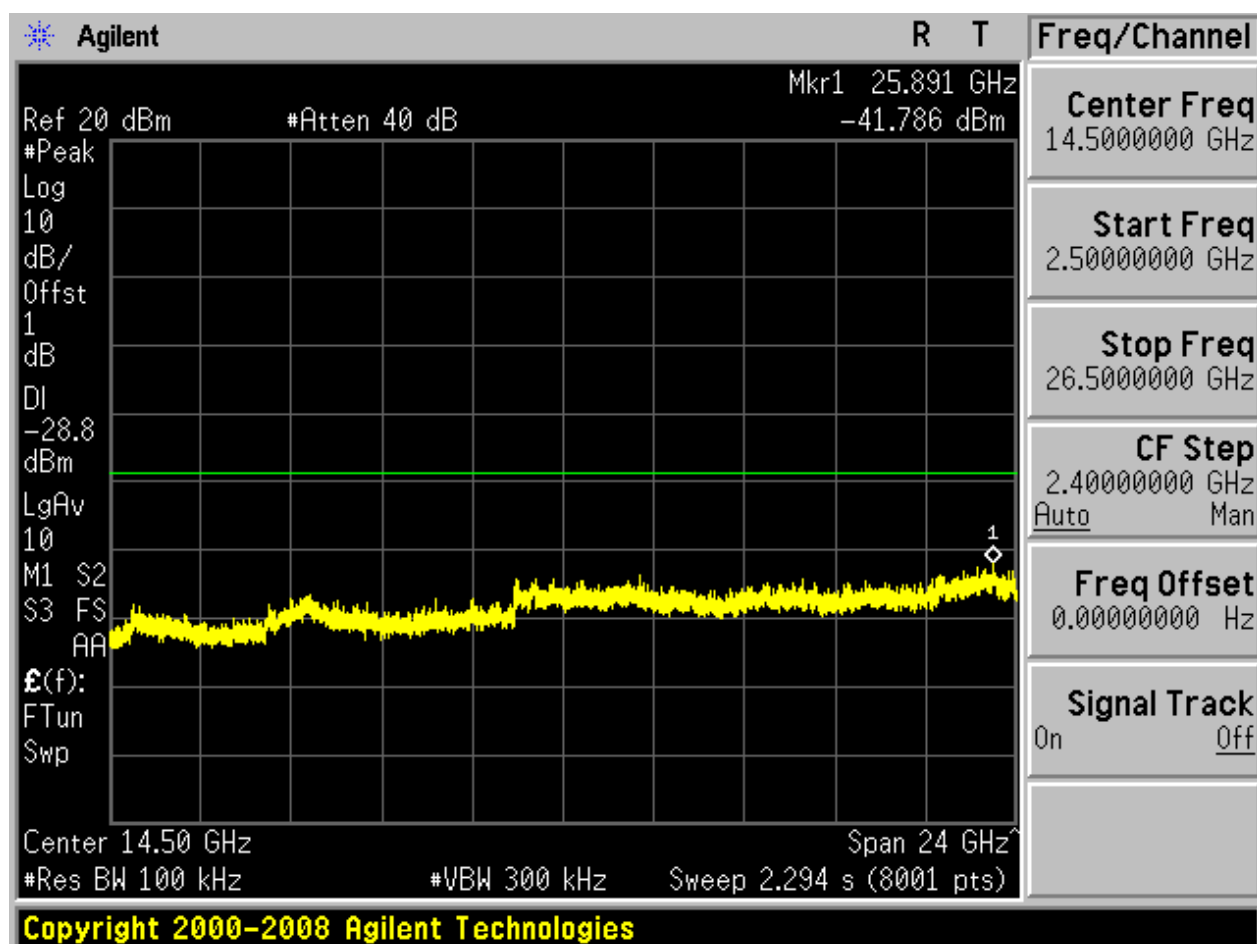








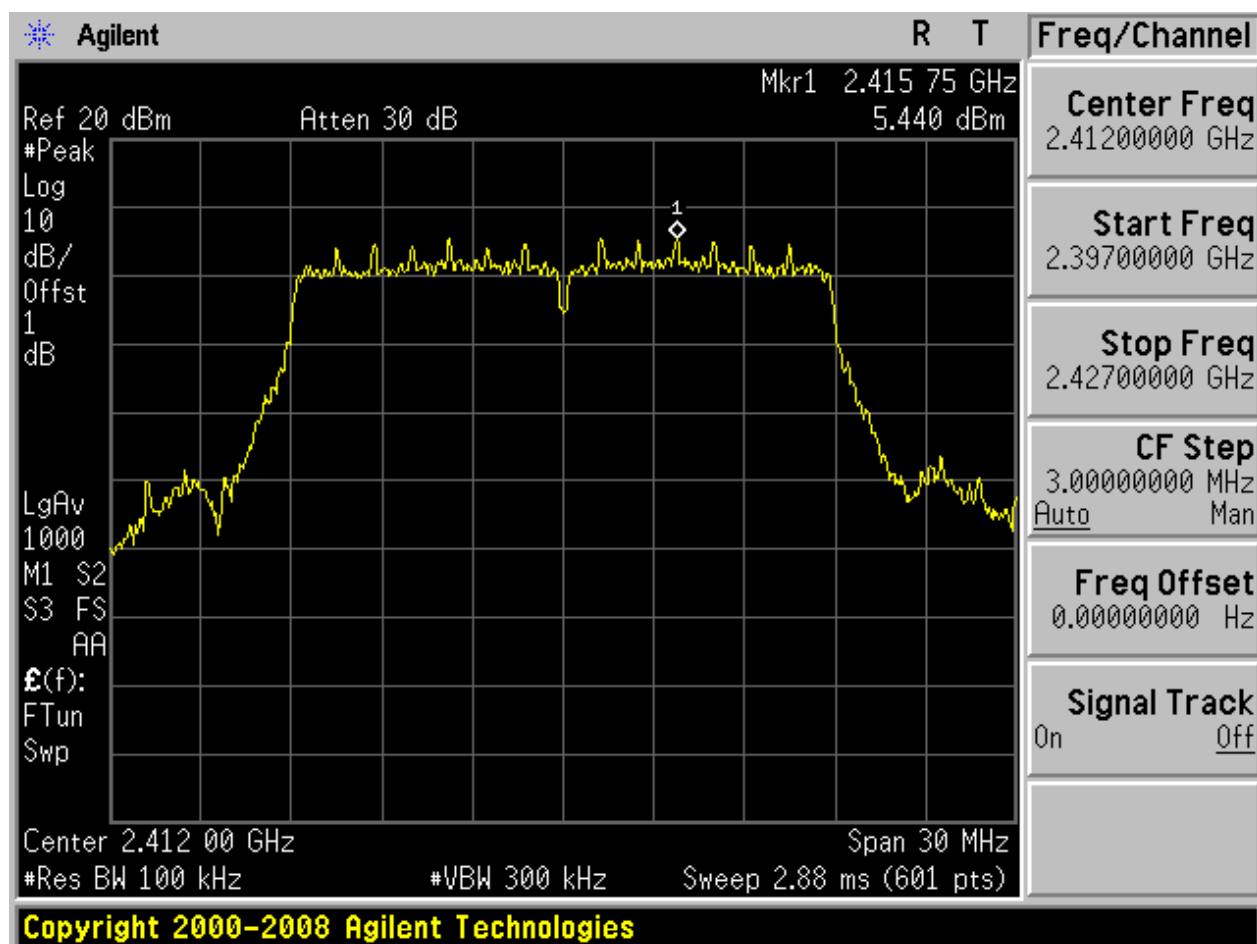






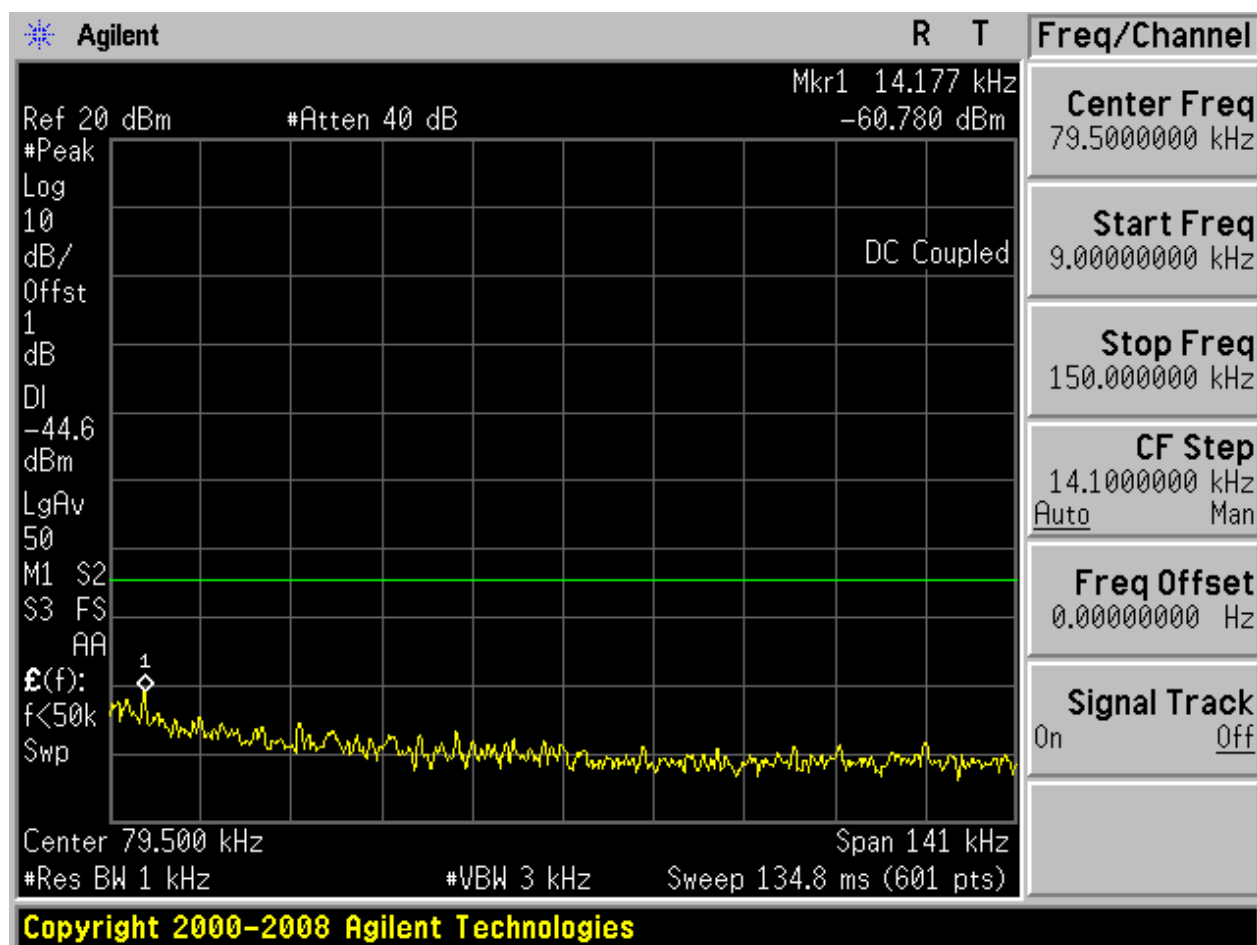
2.25 11N20m_L@Ant 1

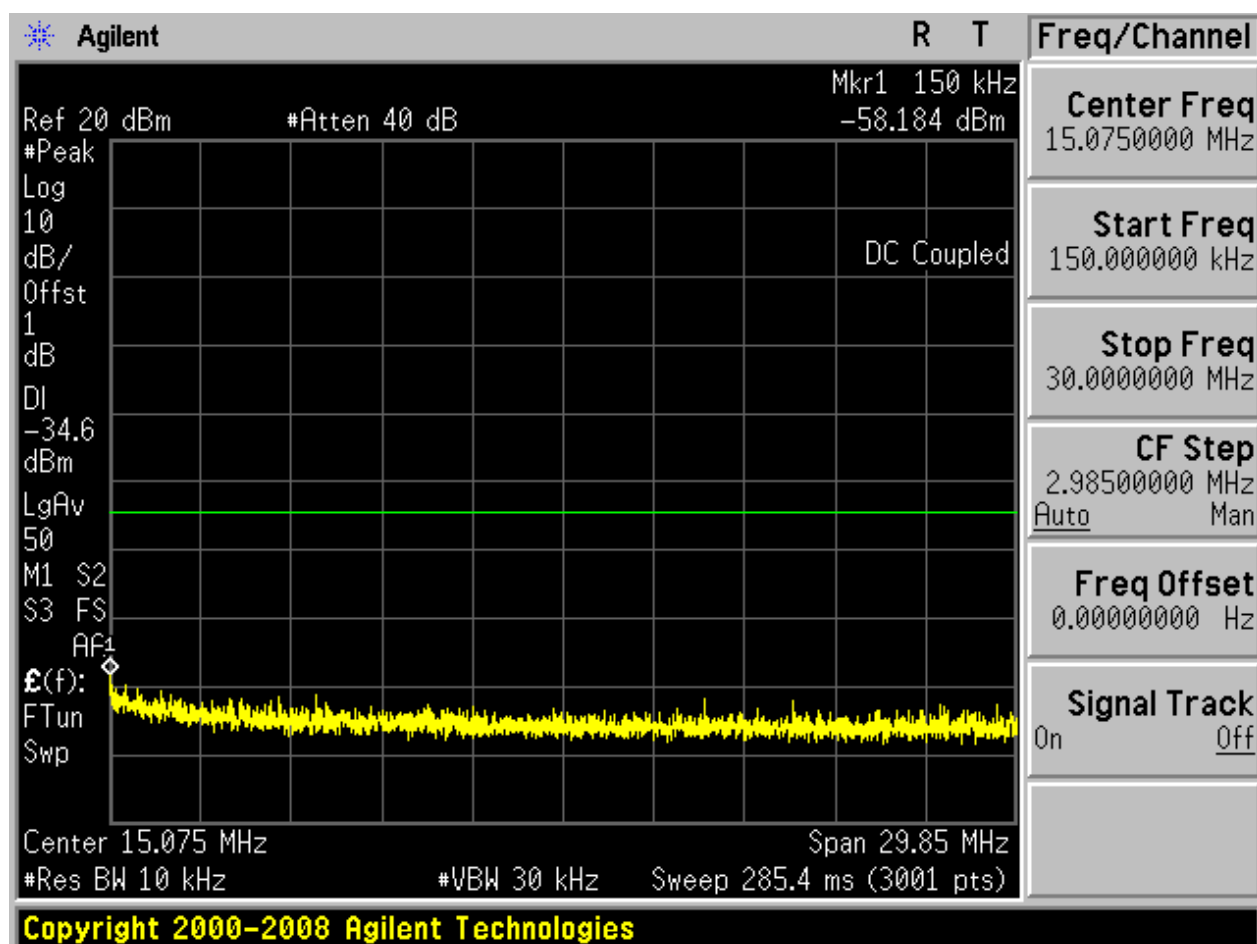
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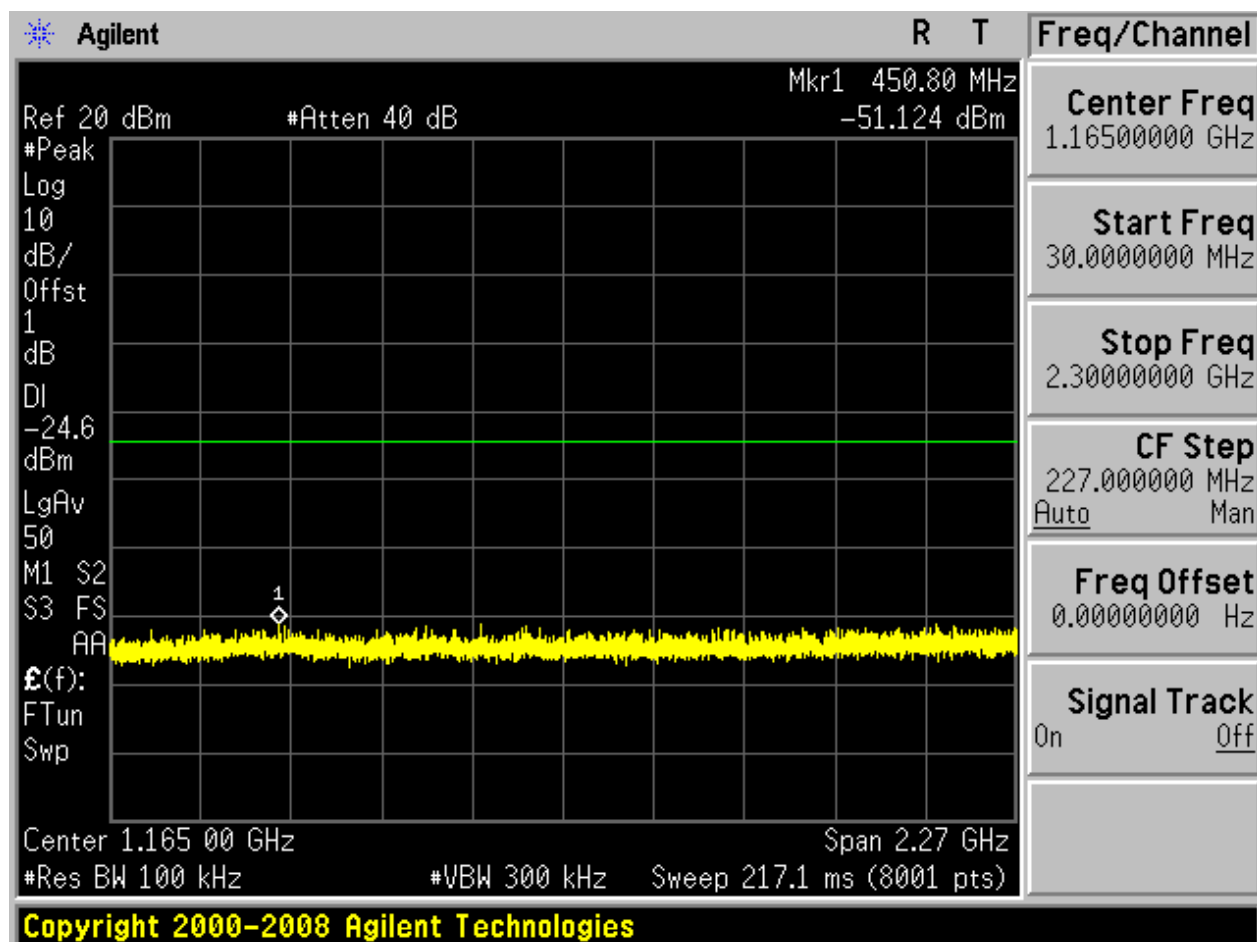


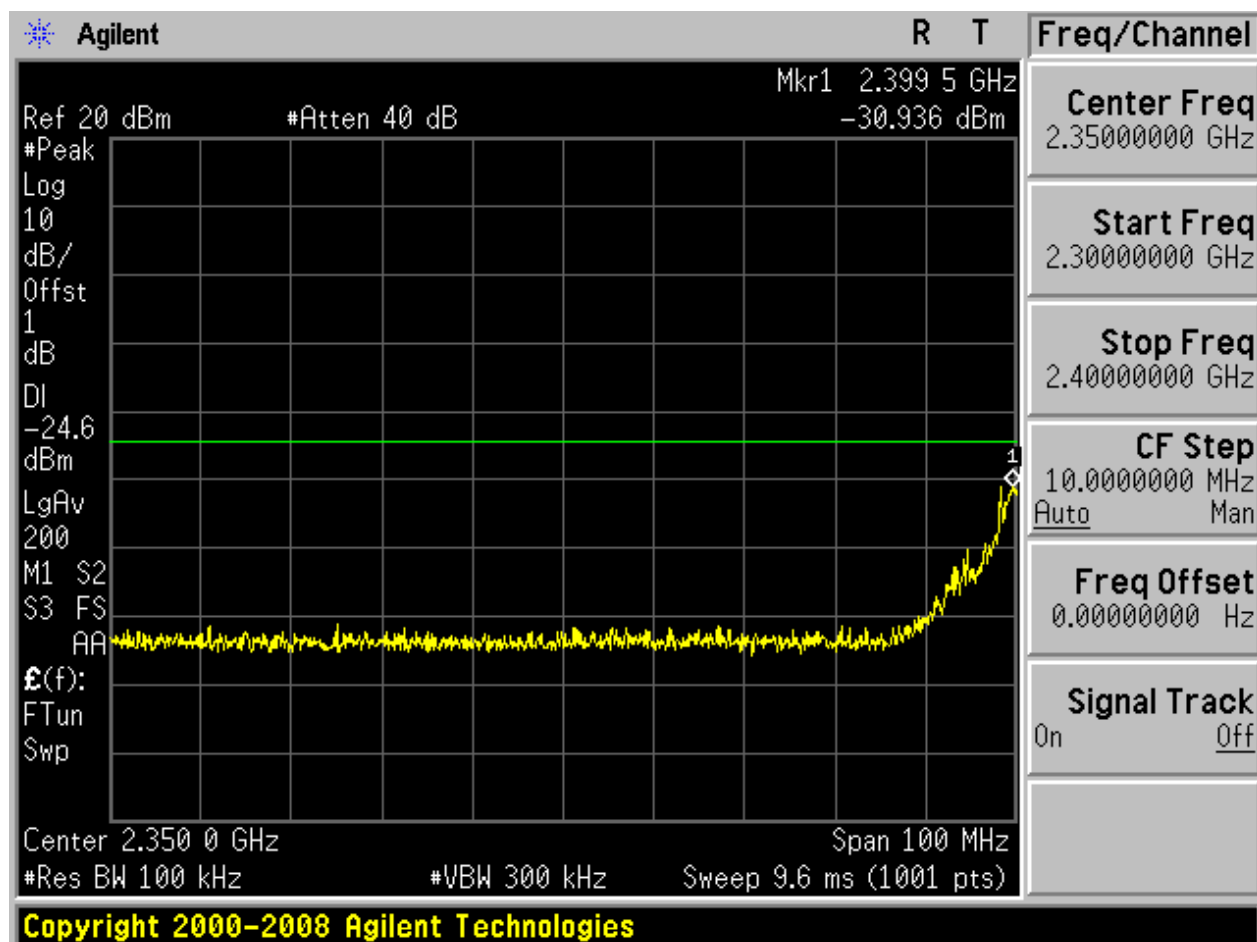


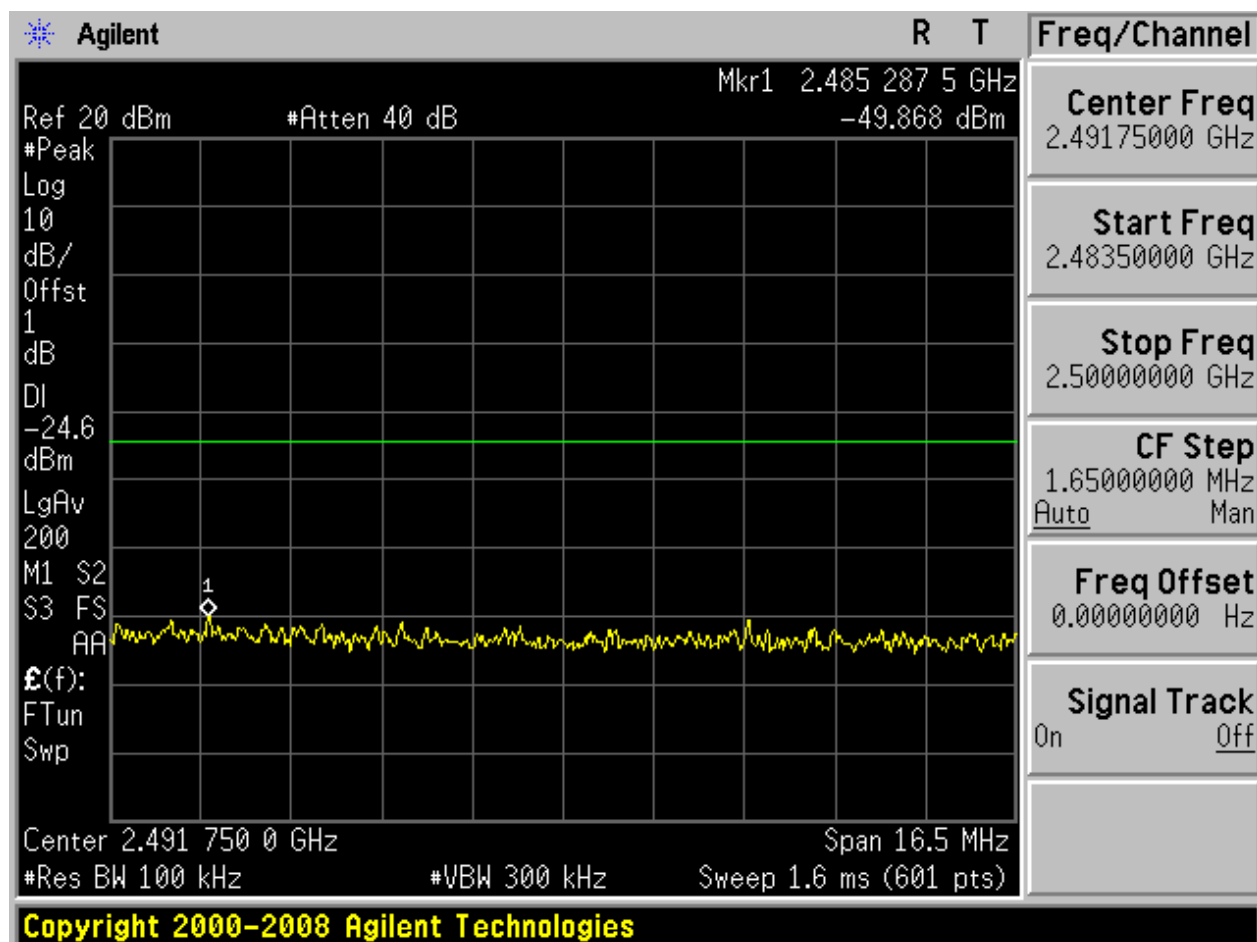
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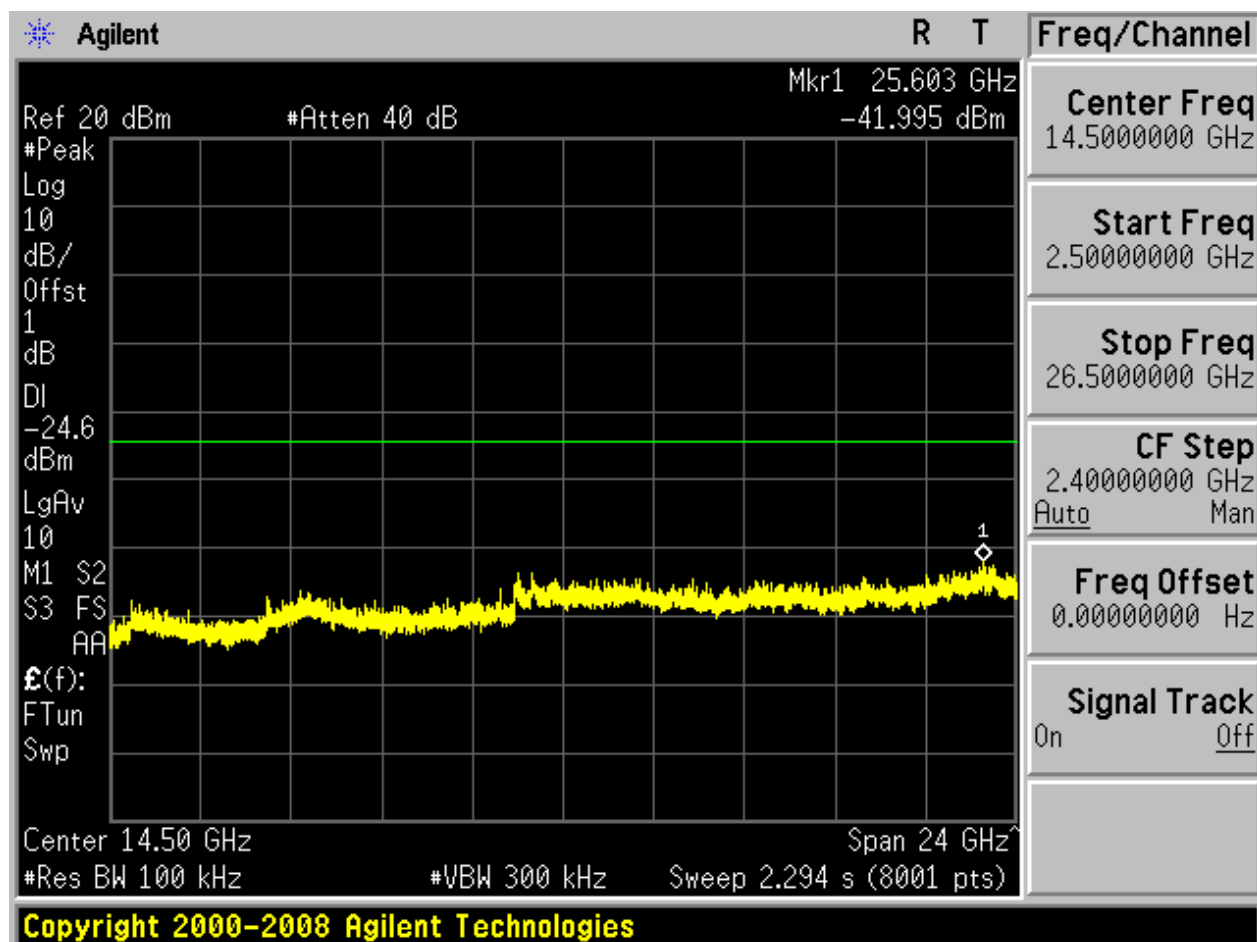








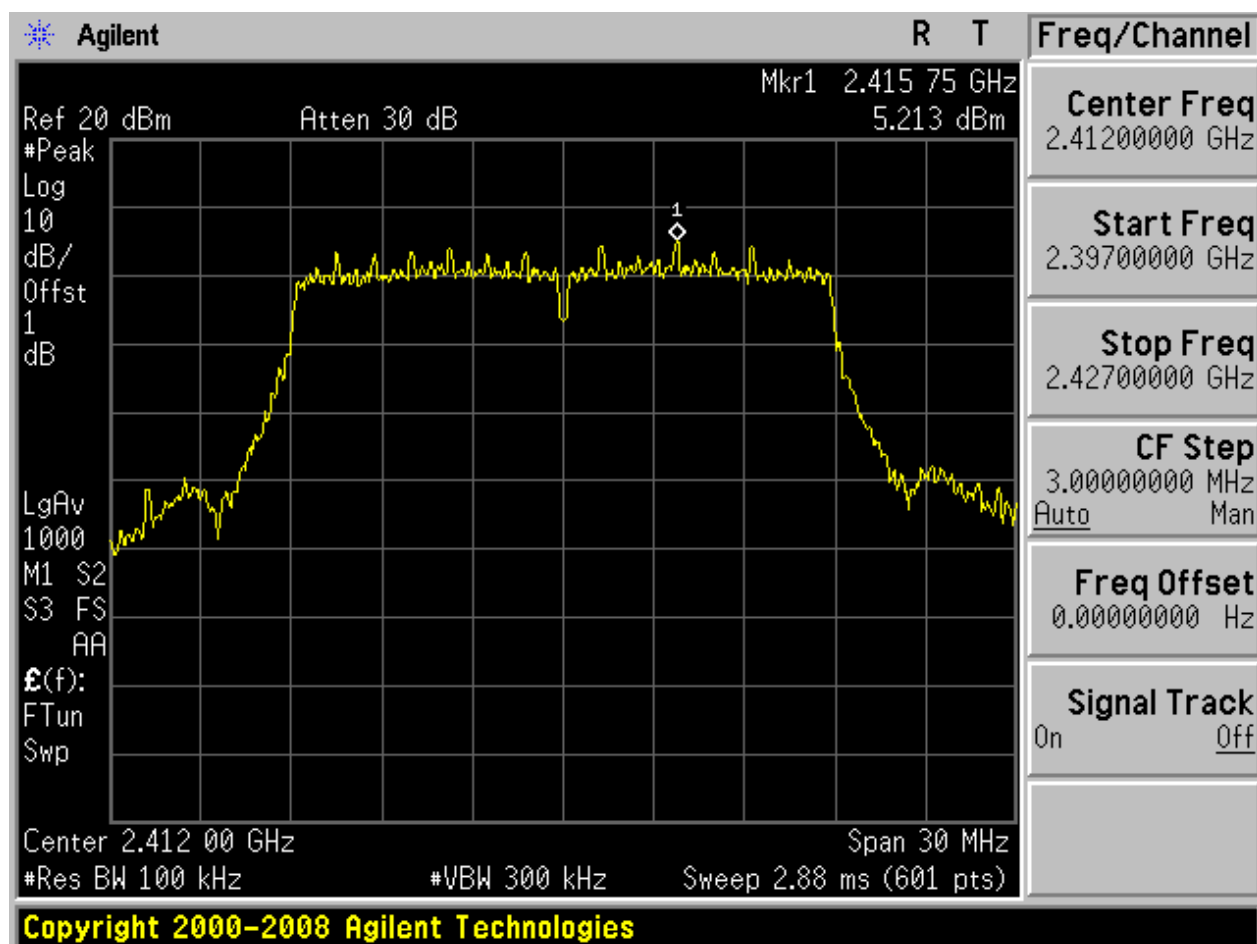






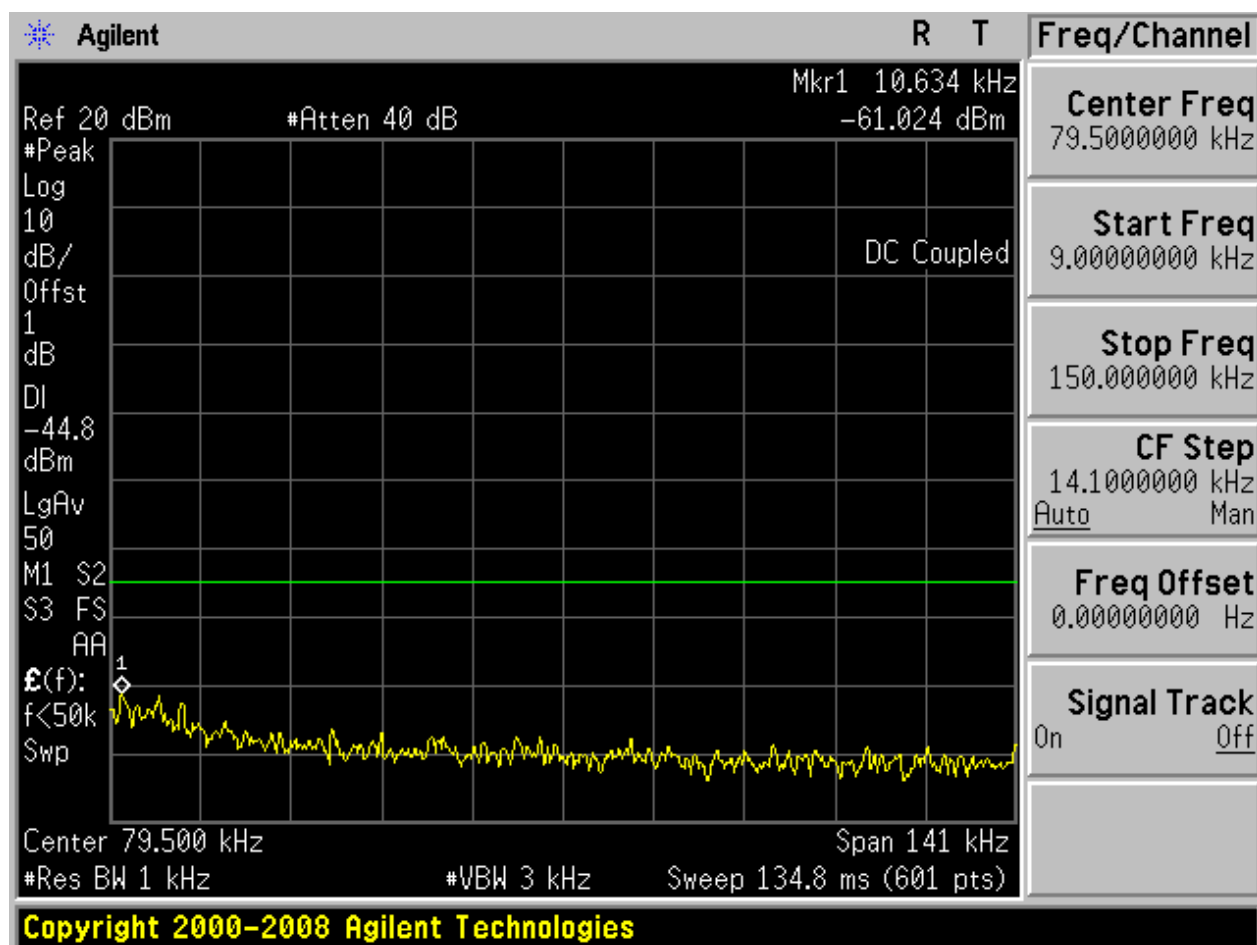
2.26 11N20m_L@Ant 2

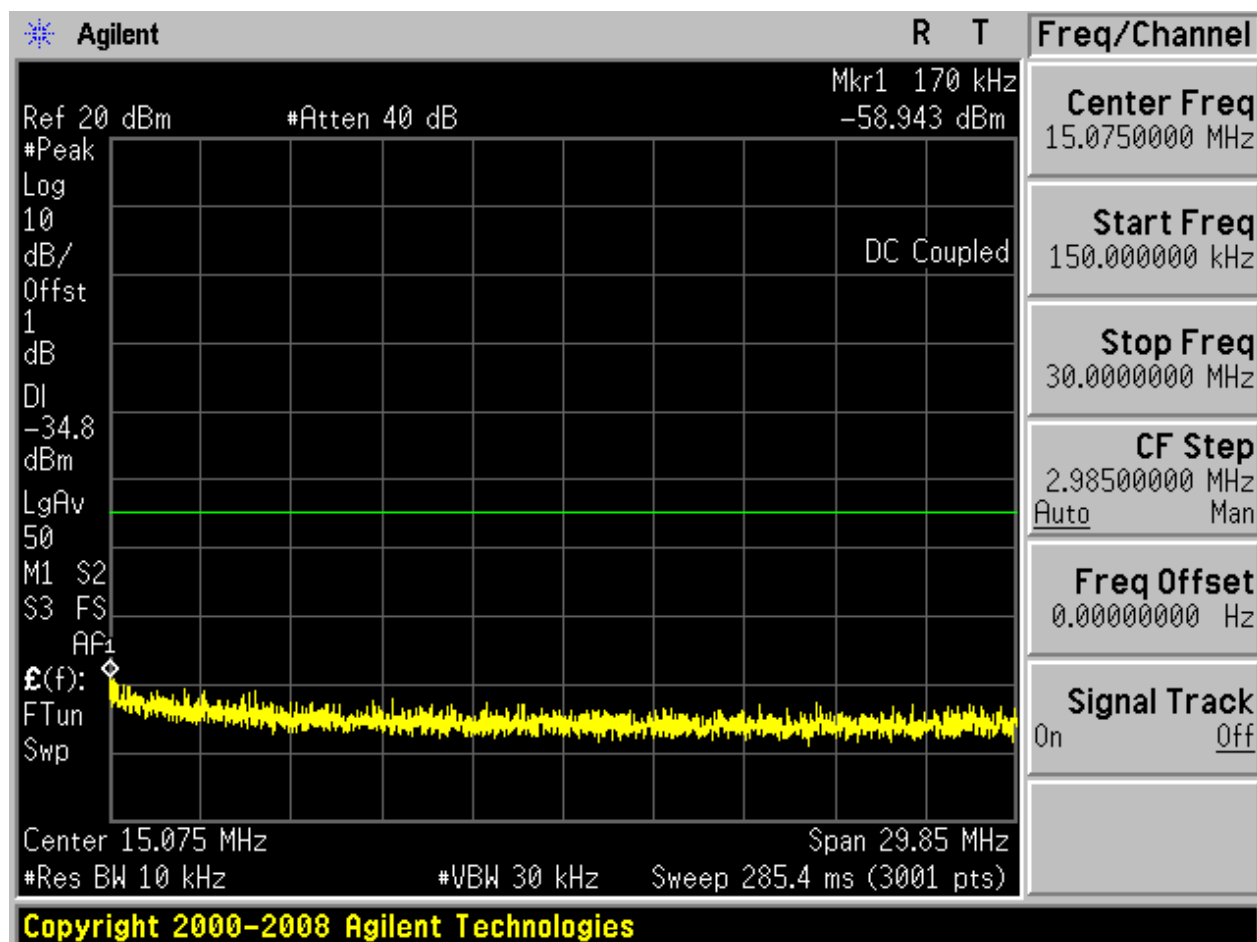
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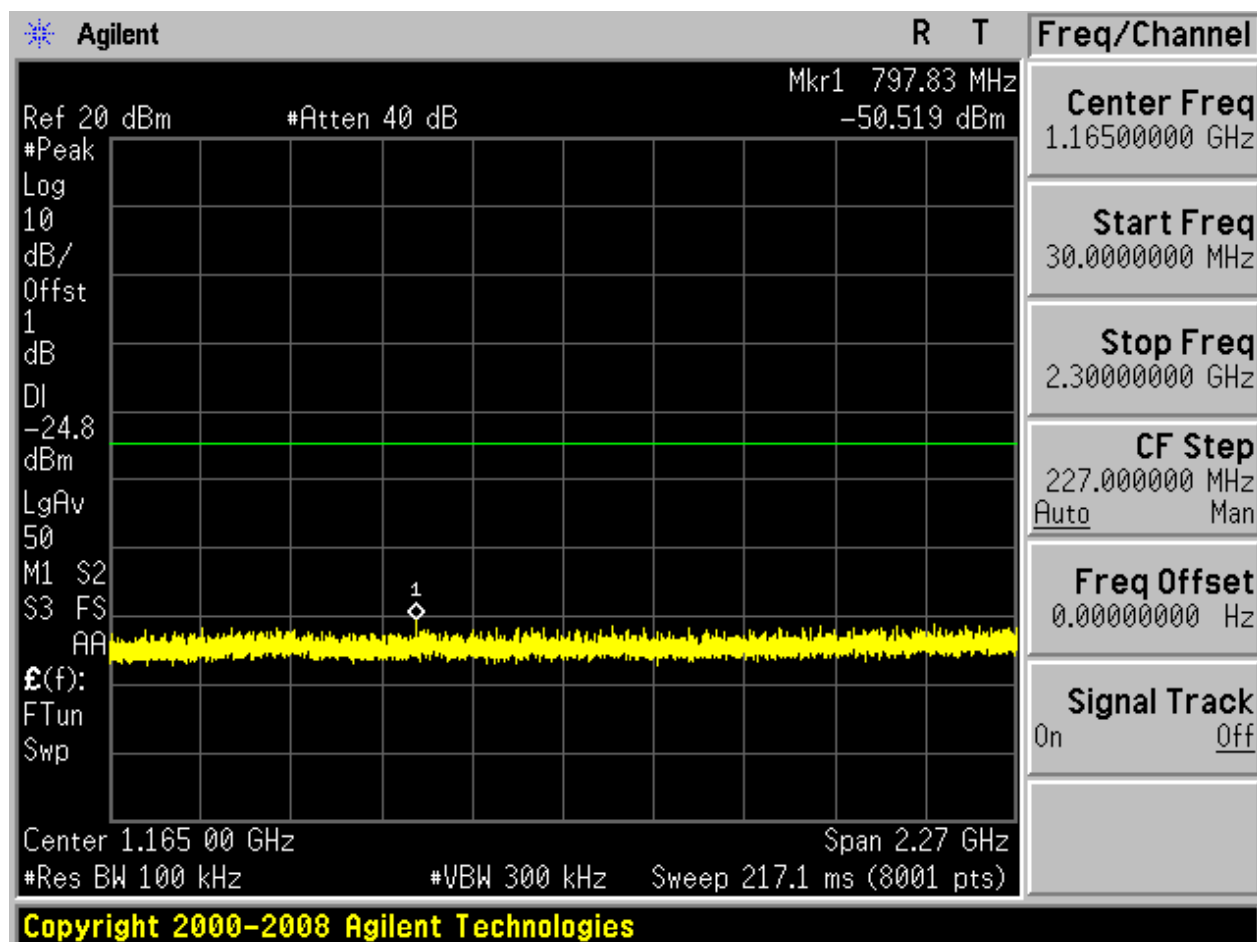


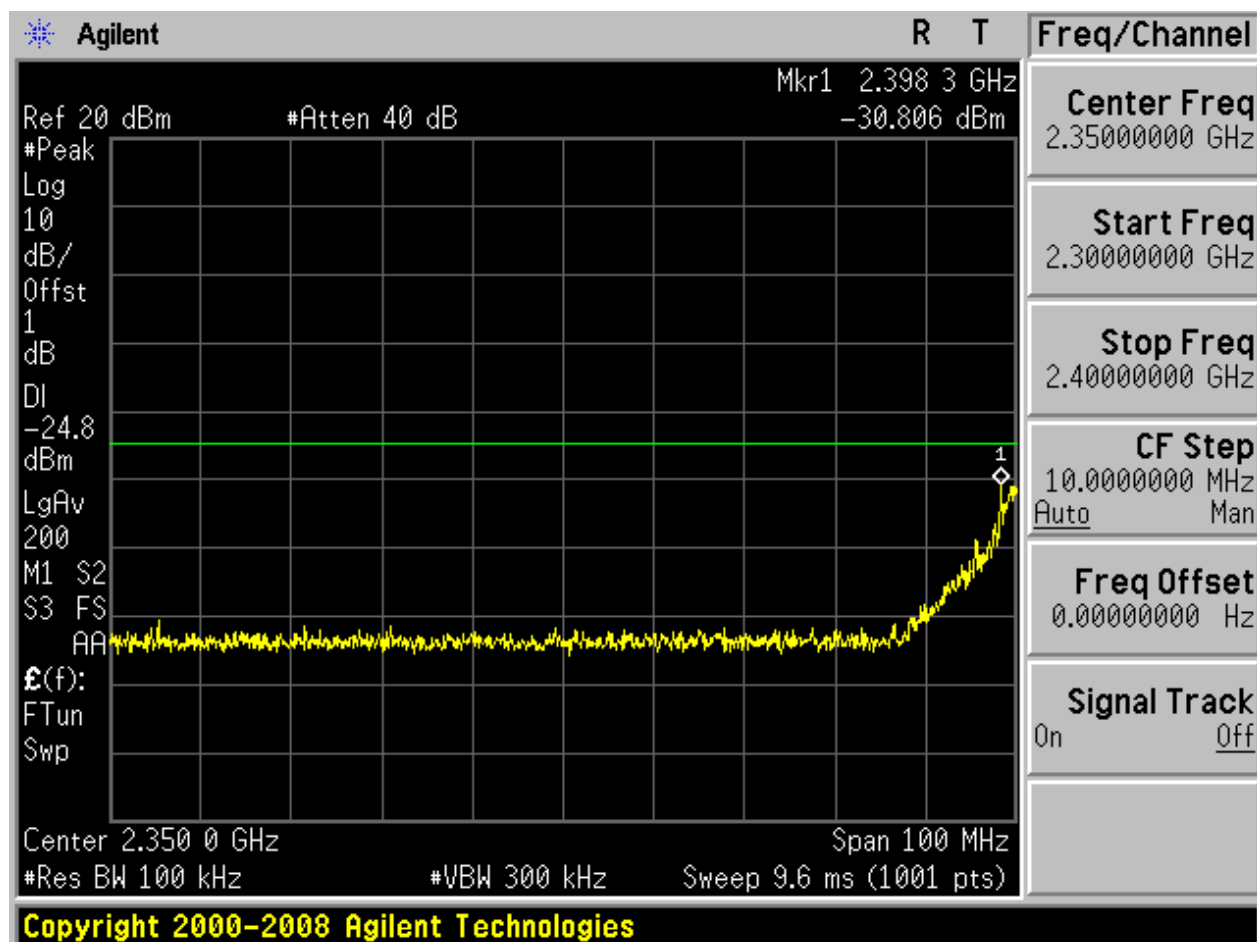


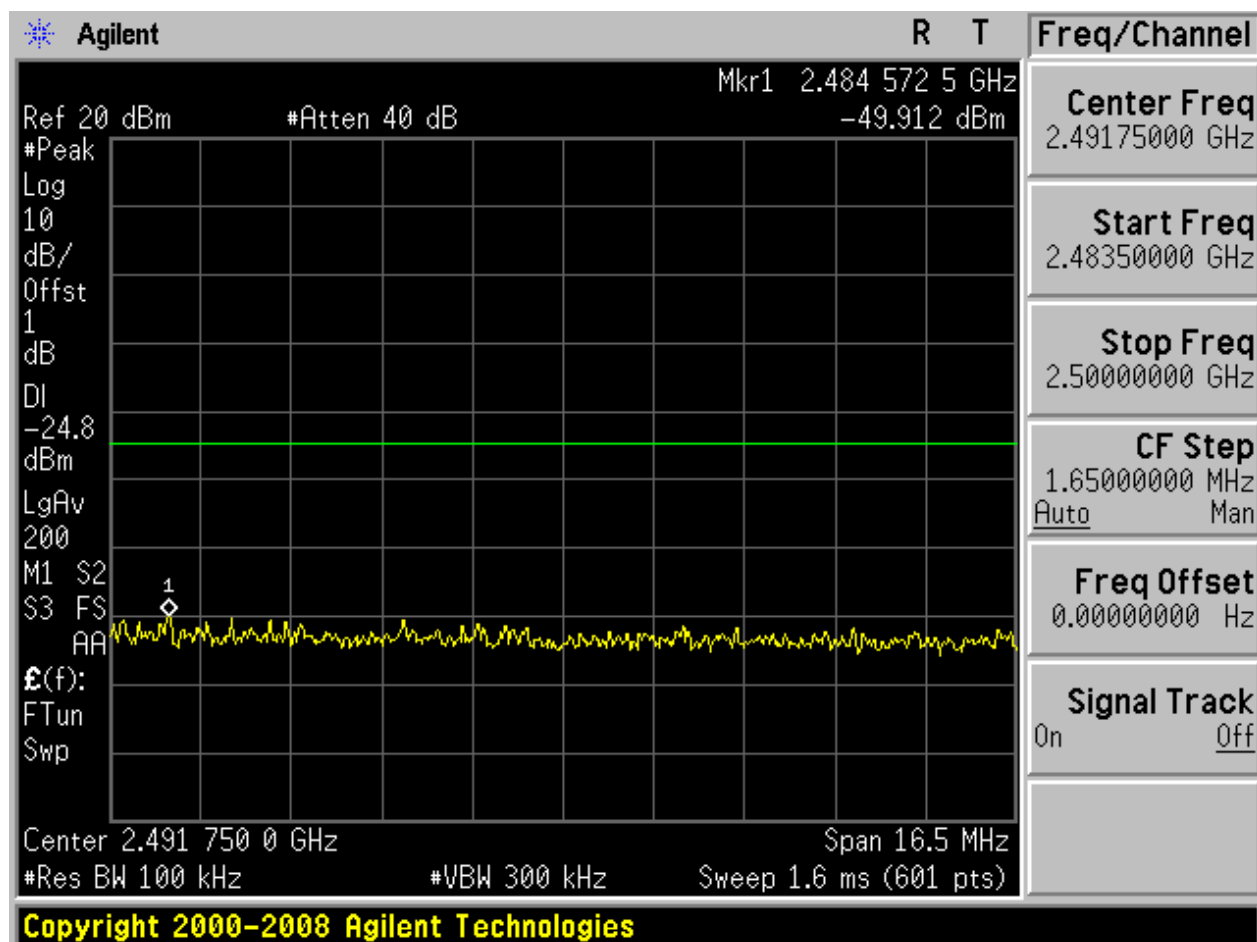
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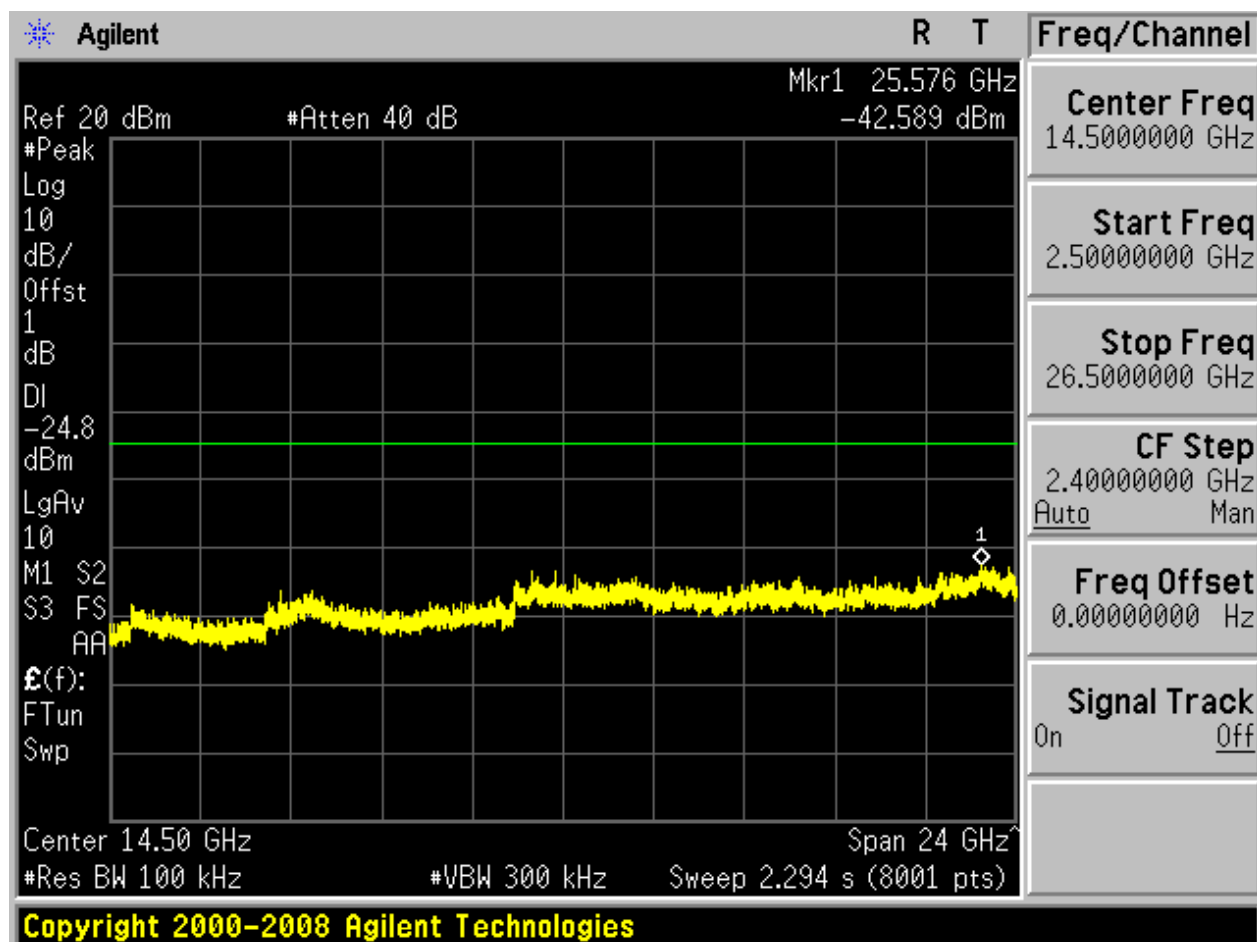








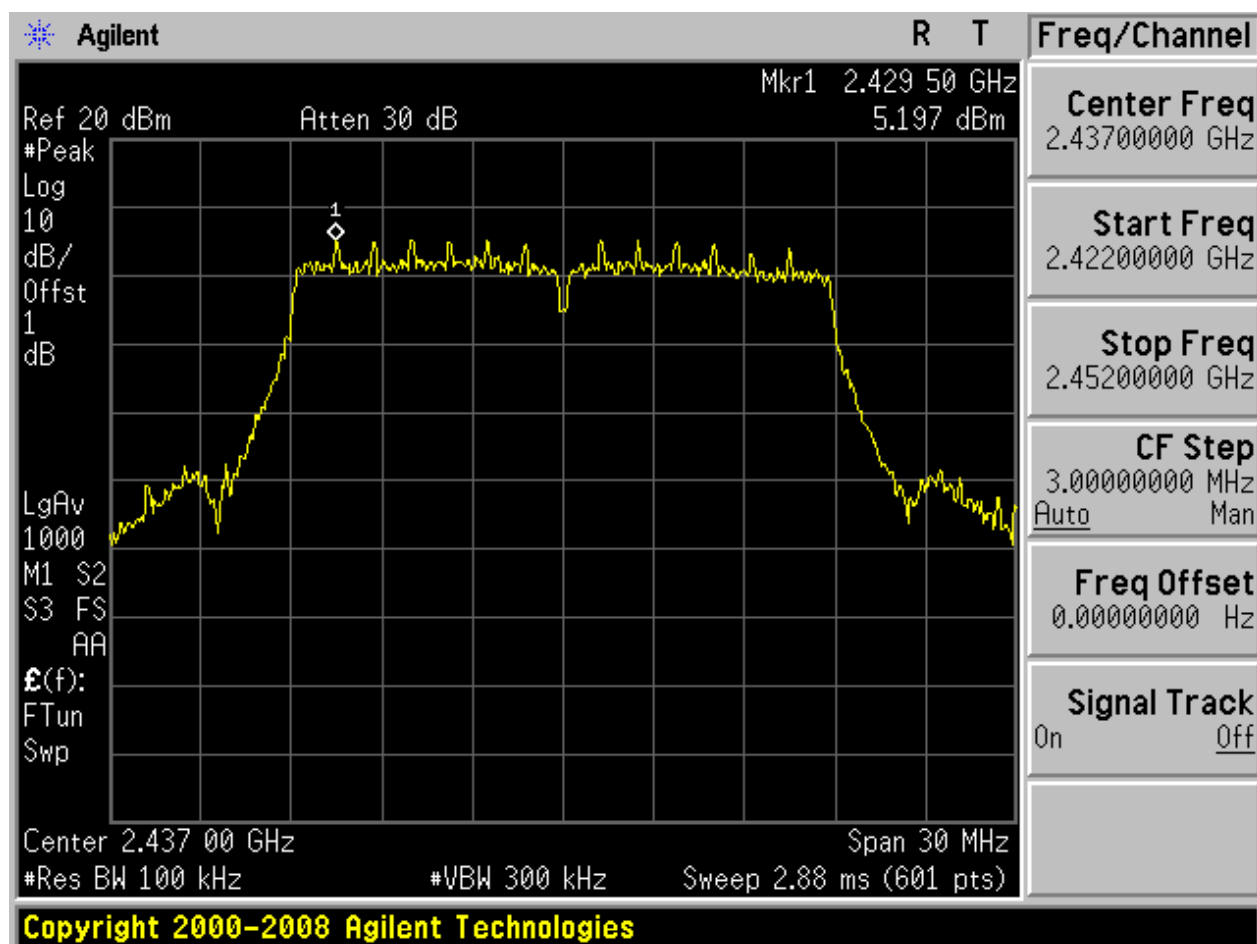






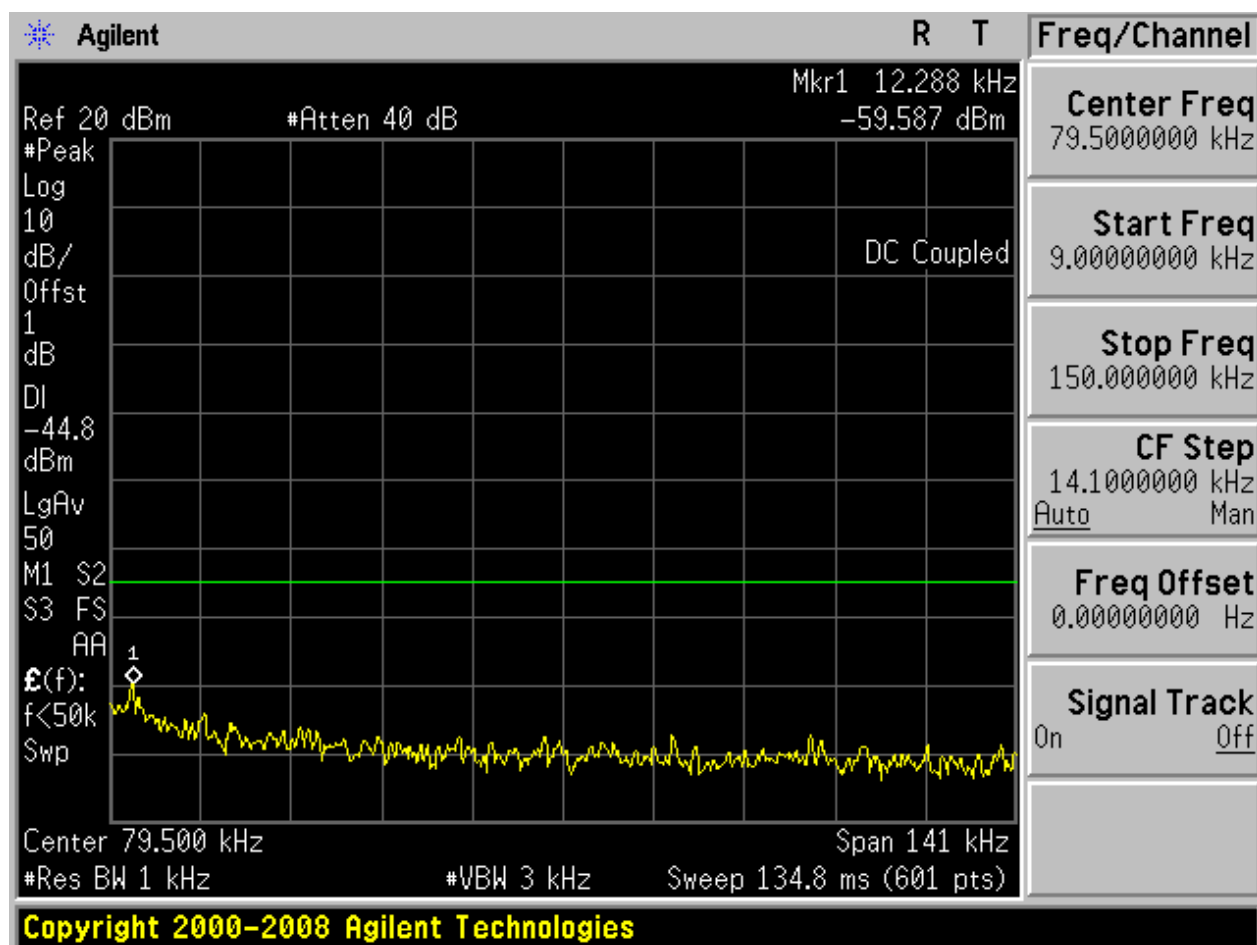
2.27 11N20m_M@Ant 1

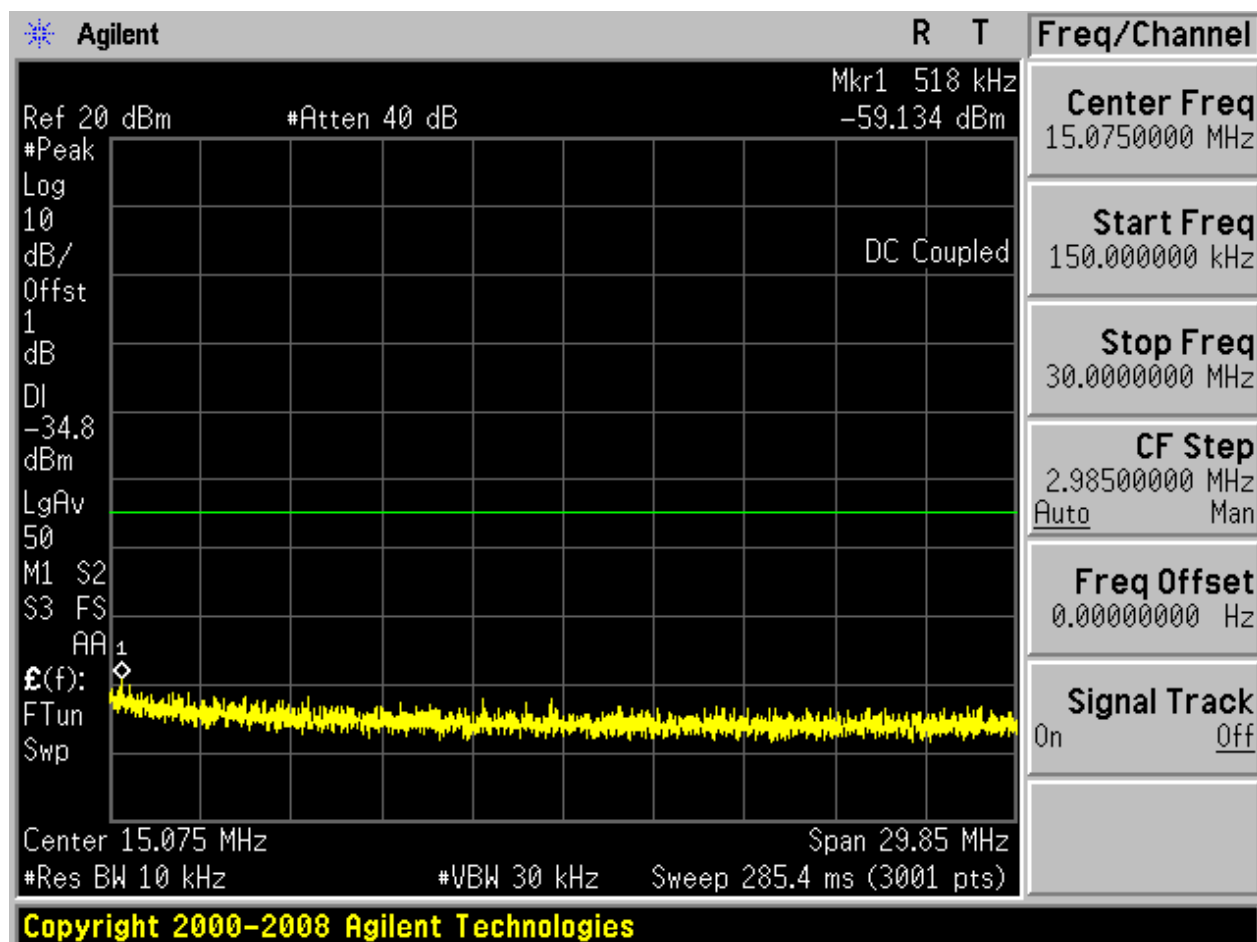
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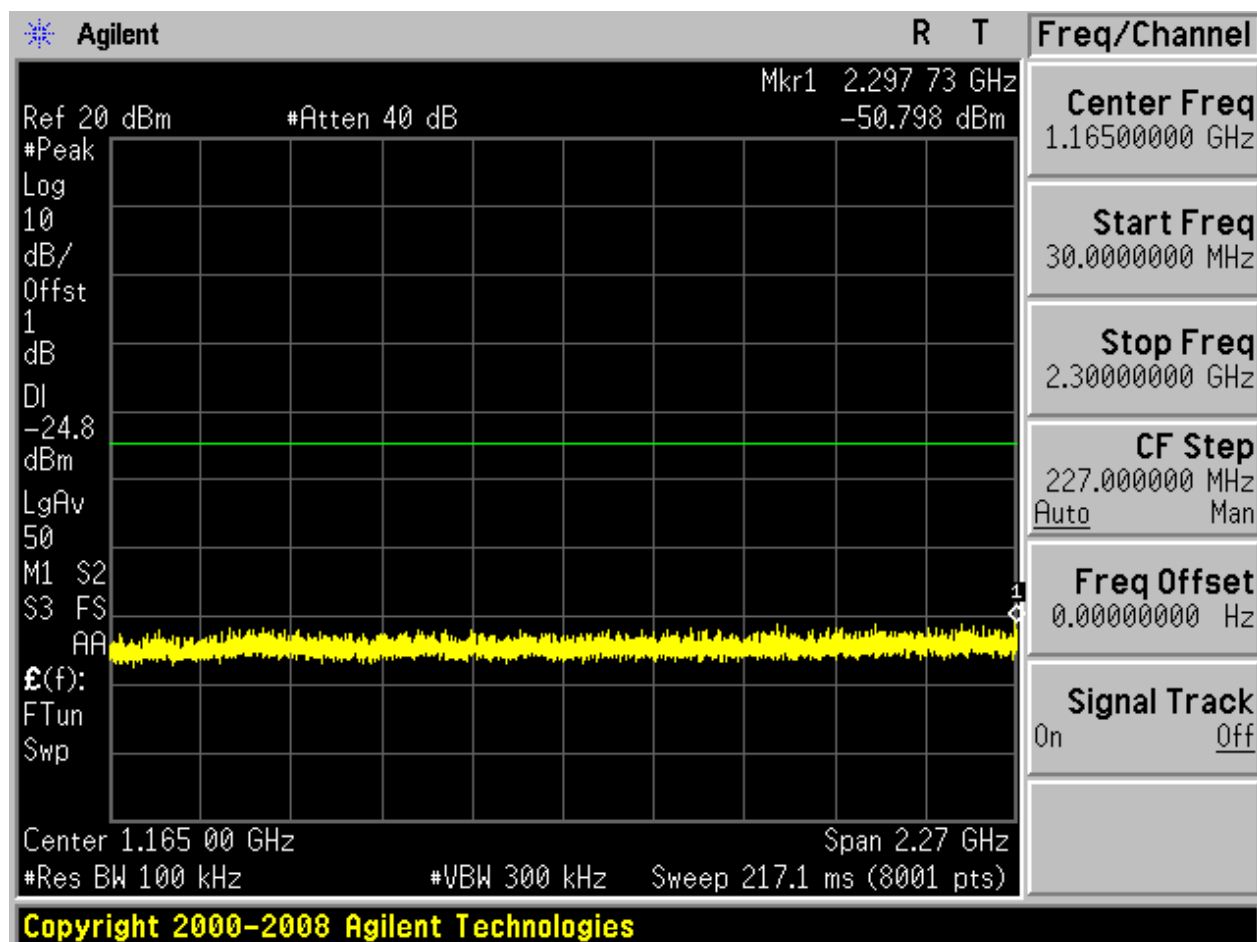


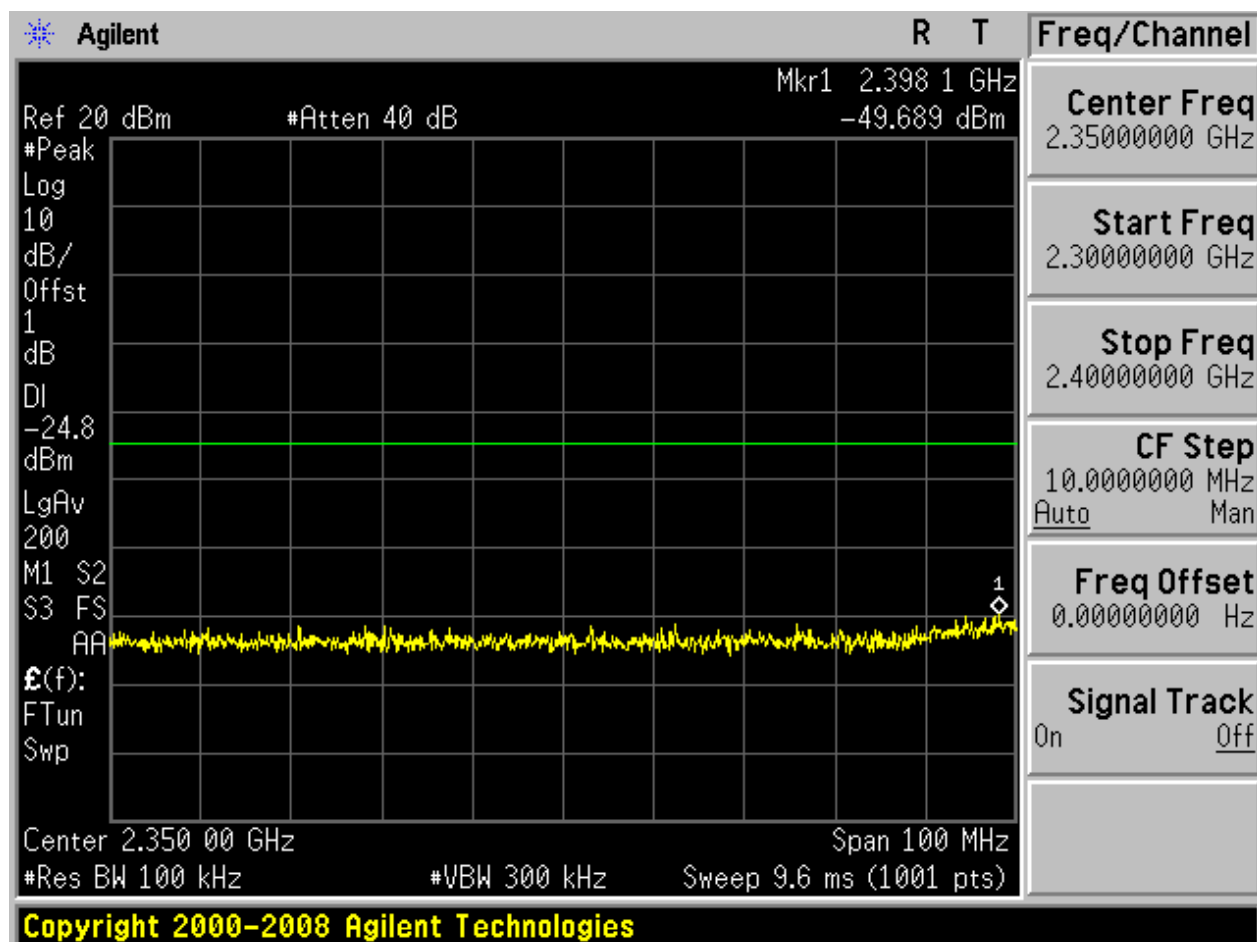


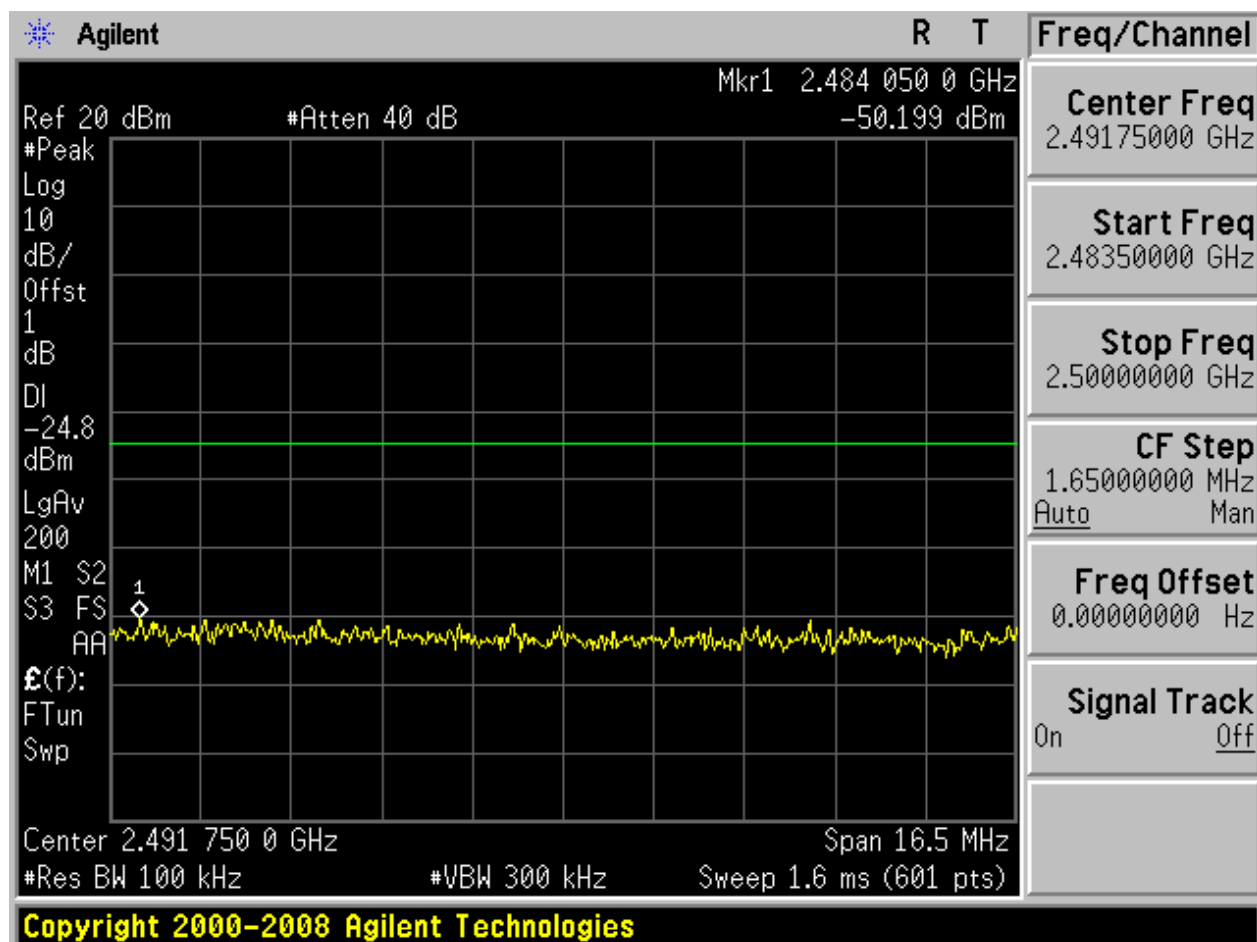
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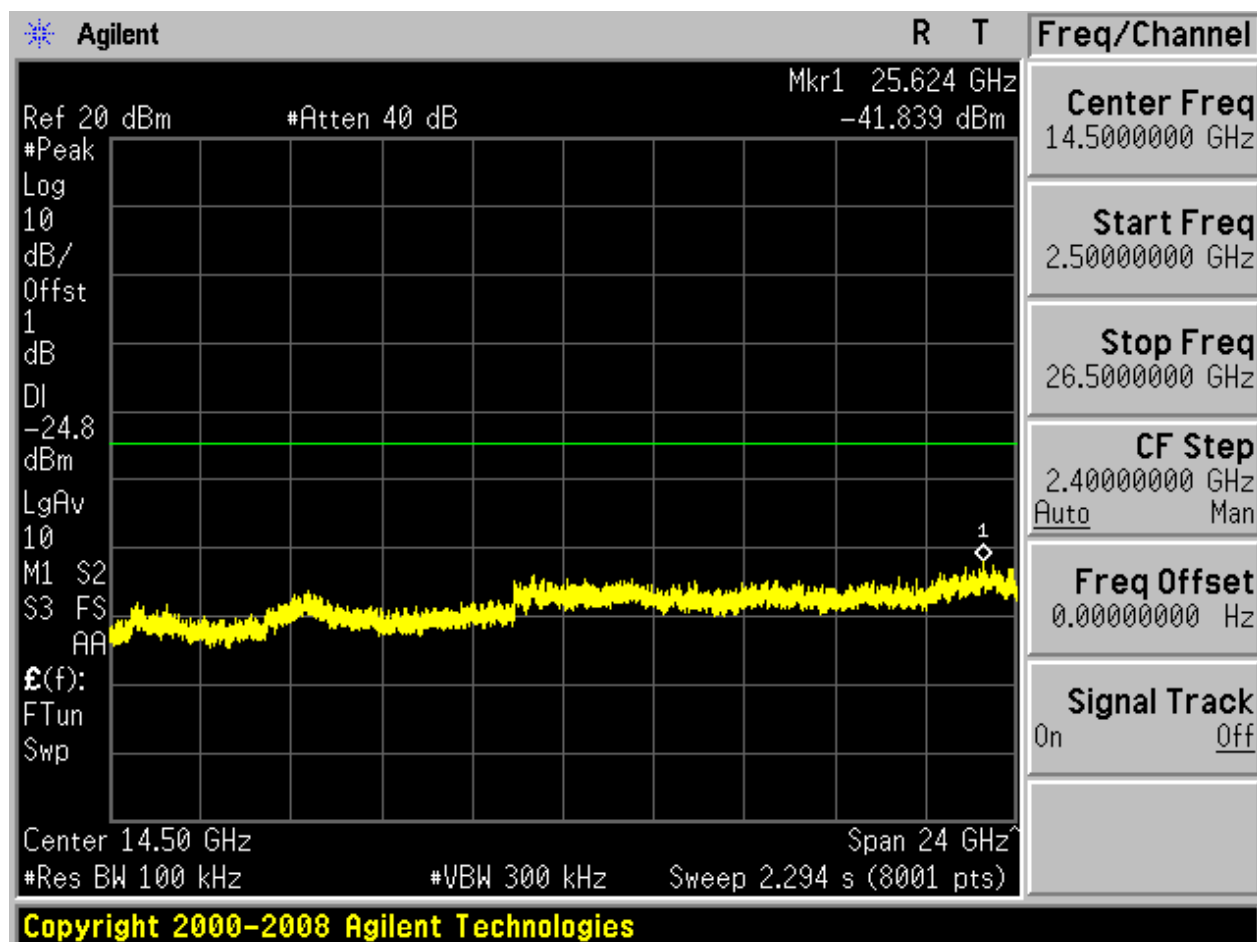








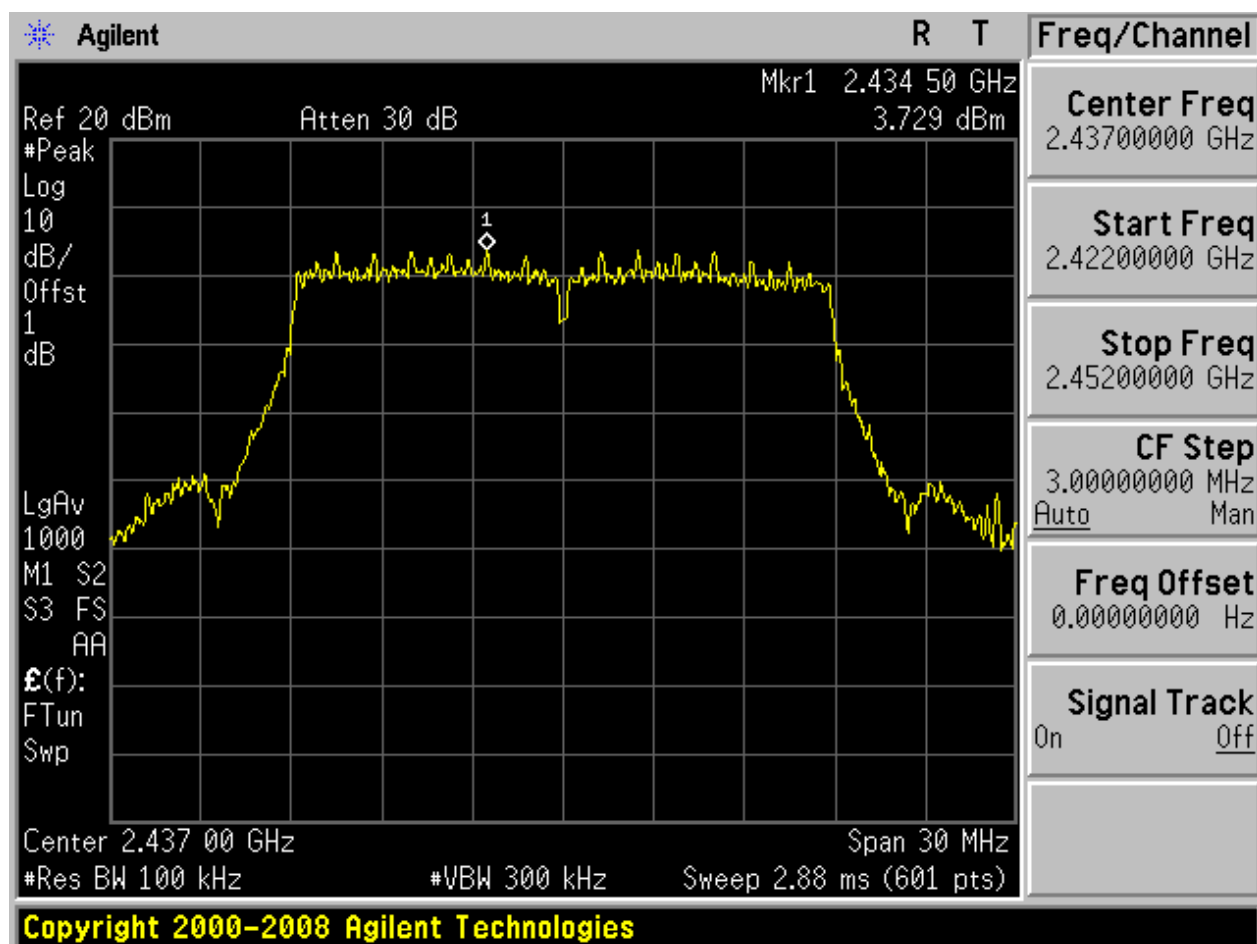






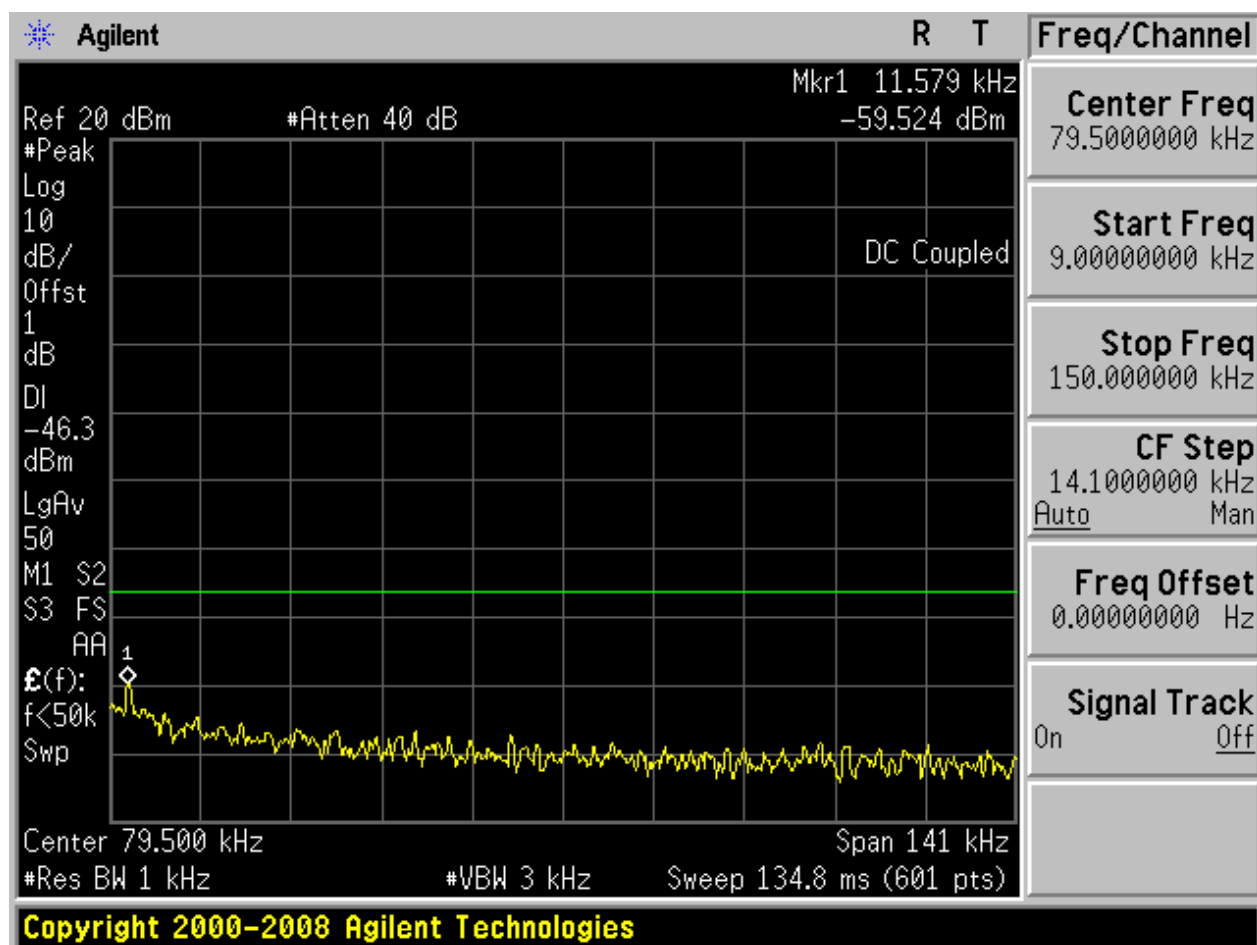
2.28 11N20m_M@Ant 2

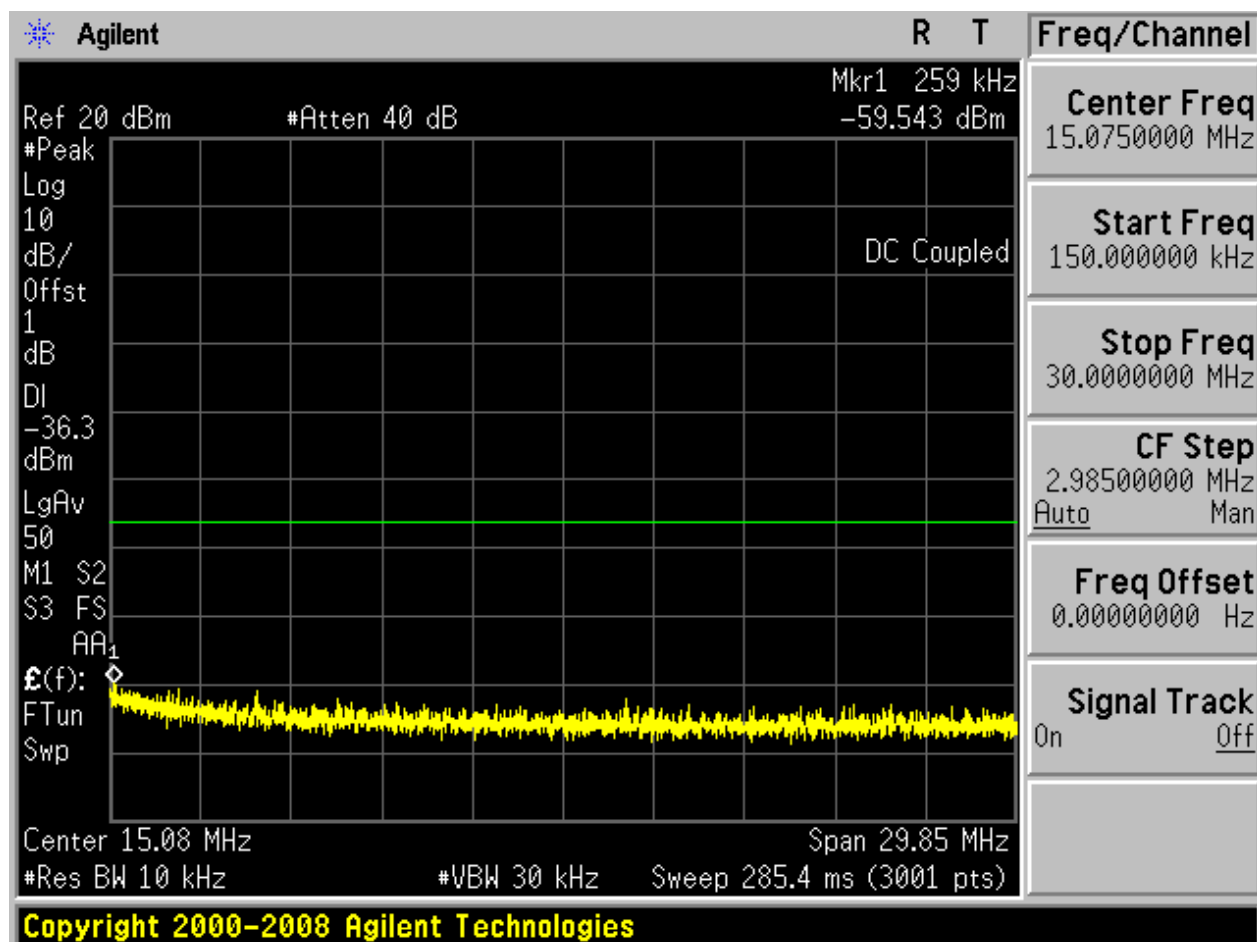
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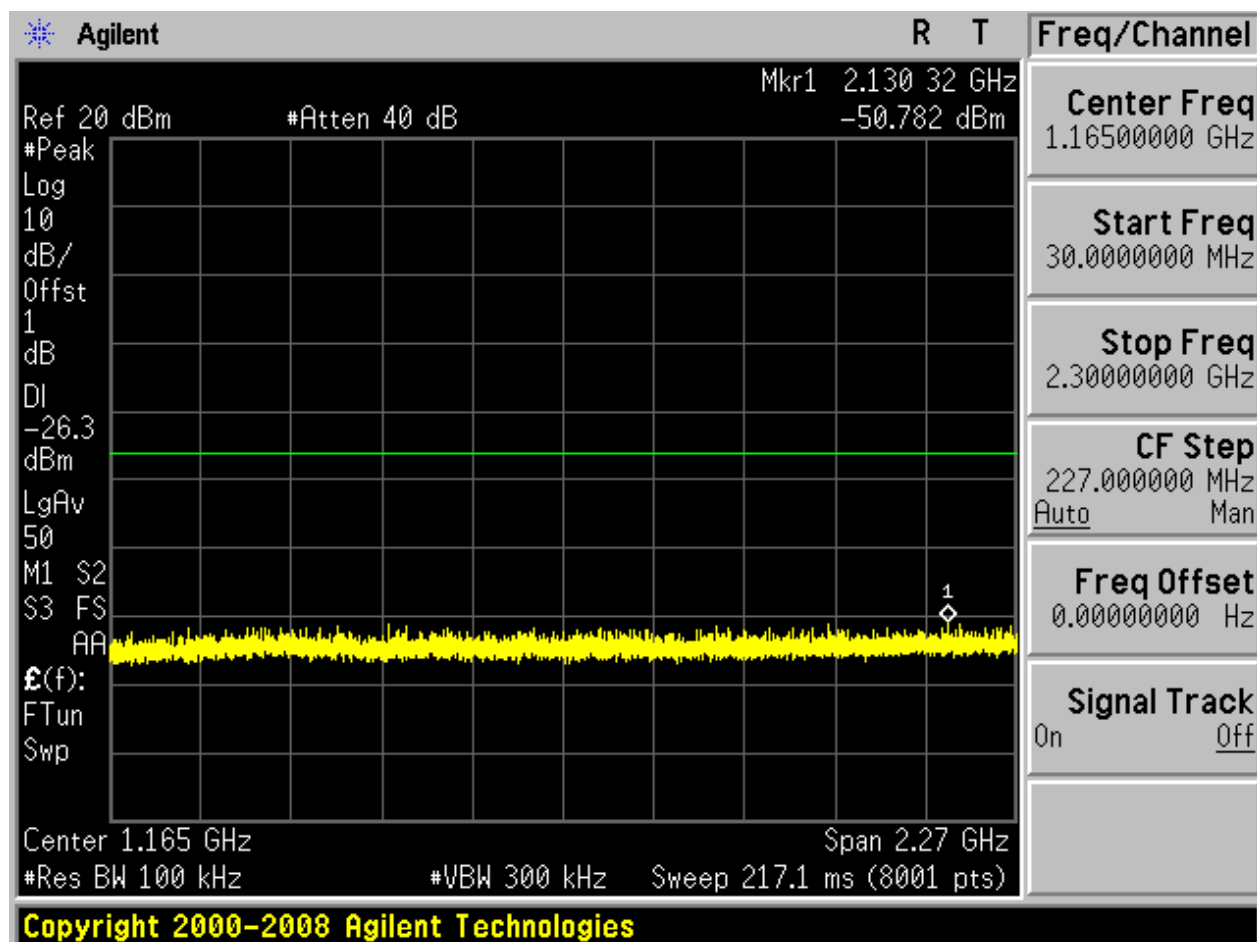


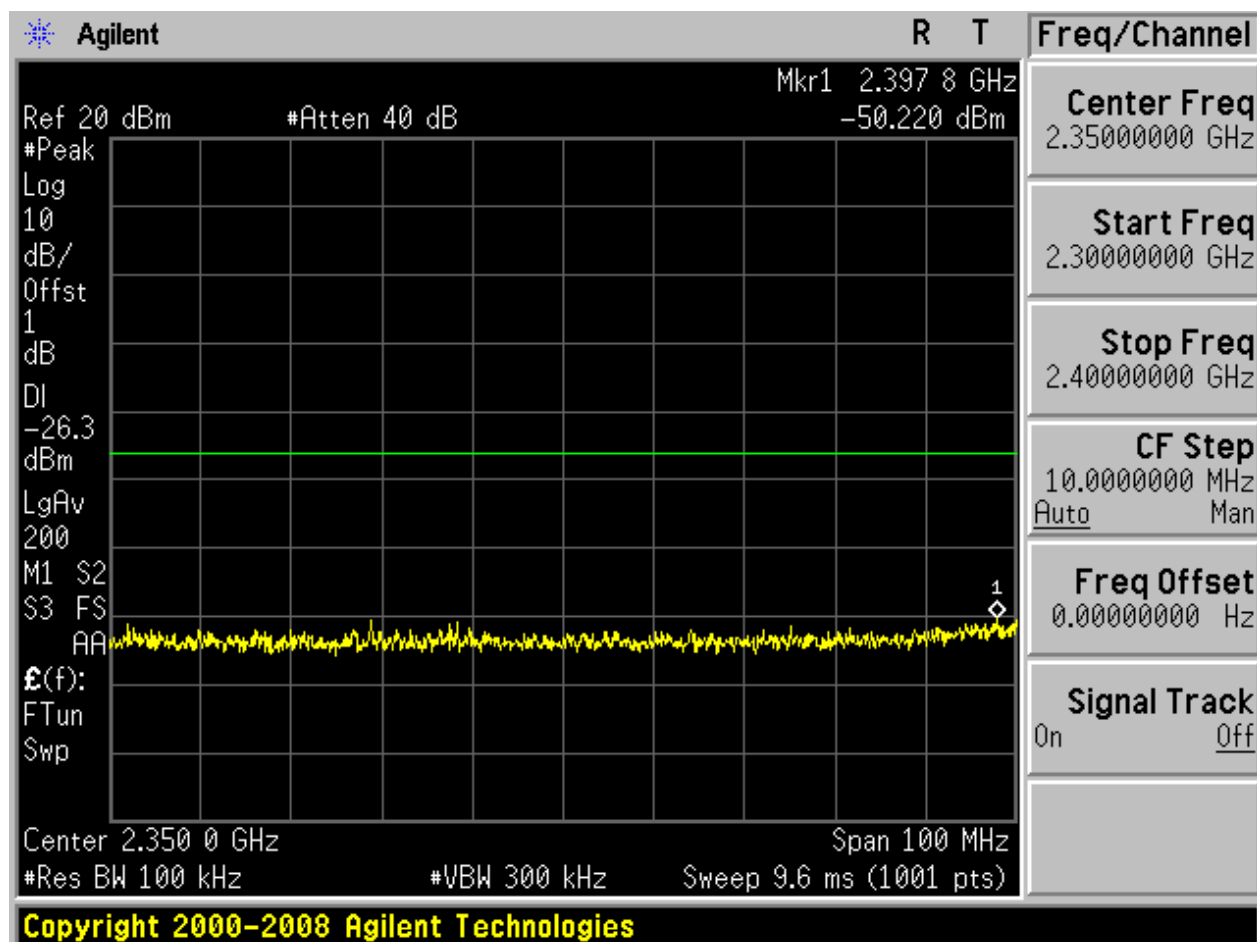


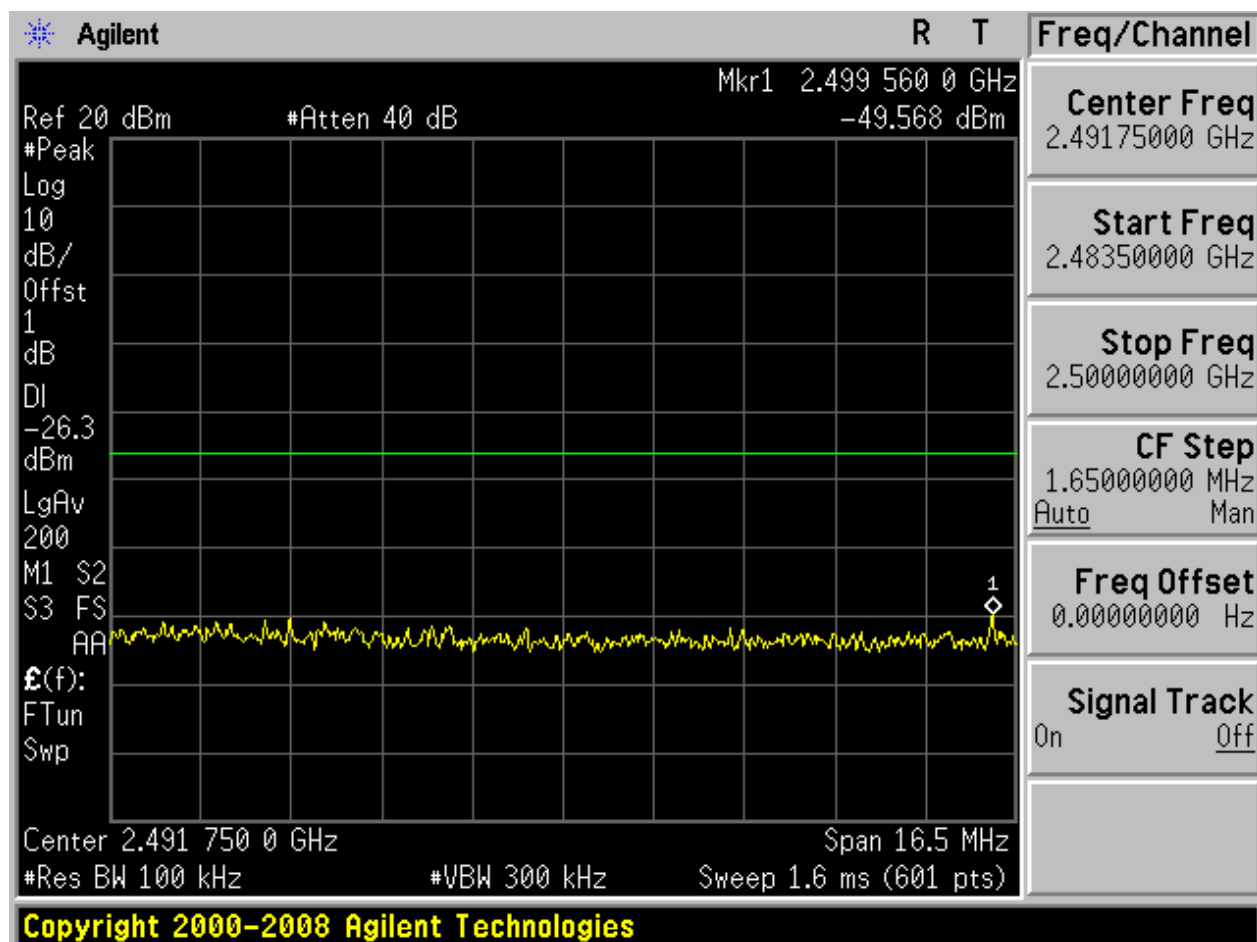
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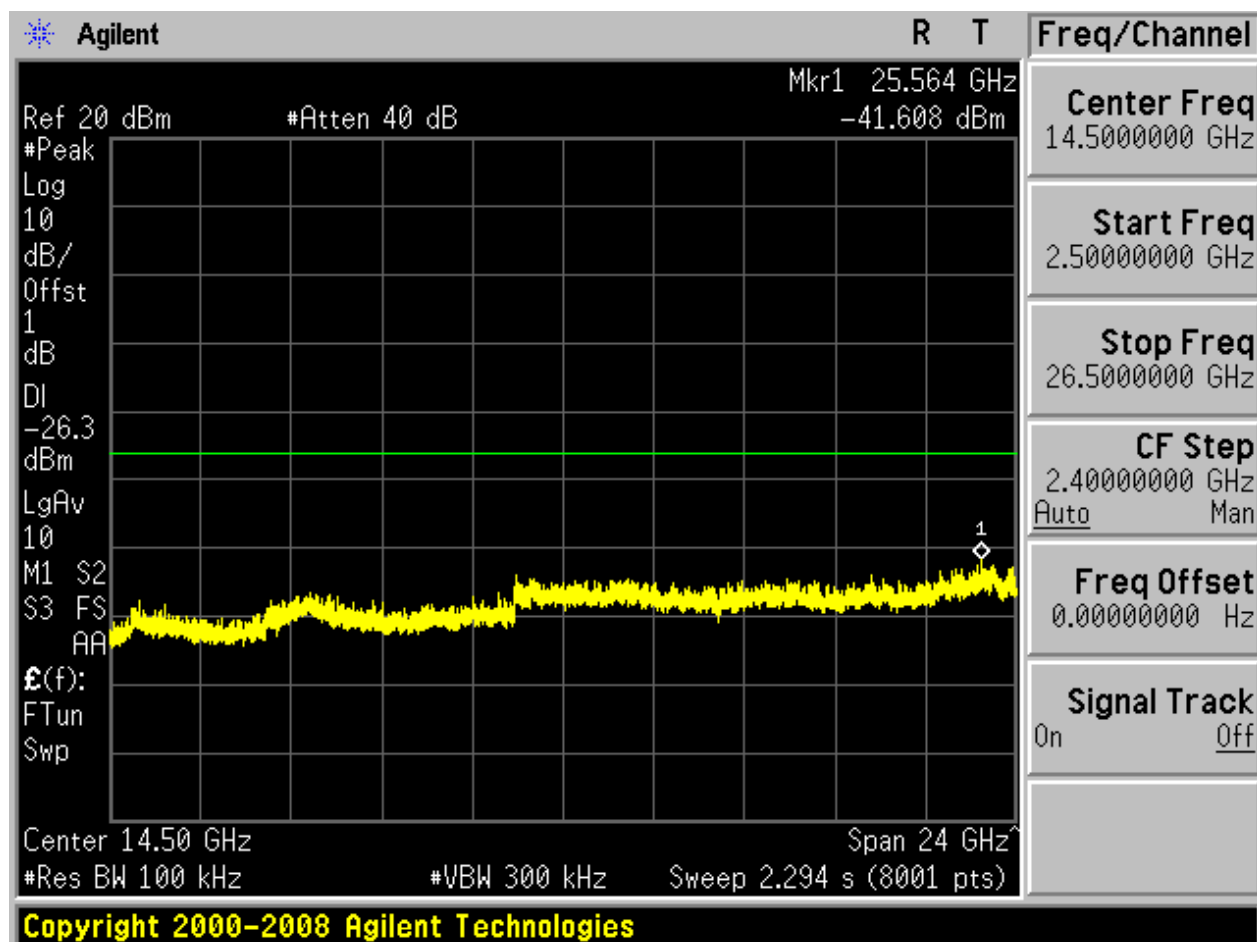








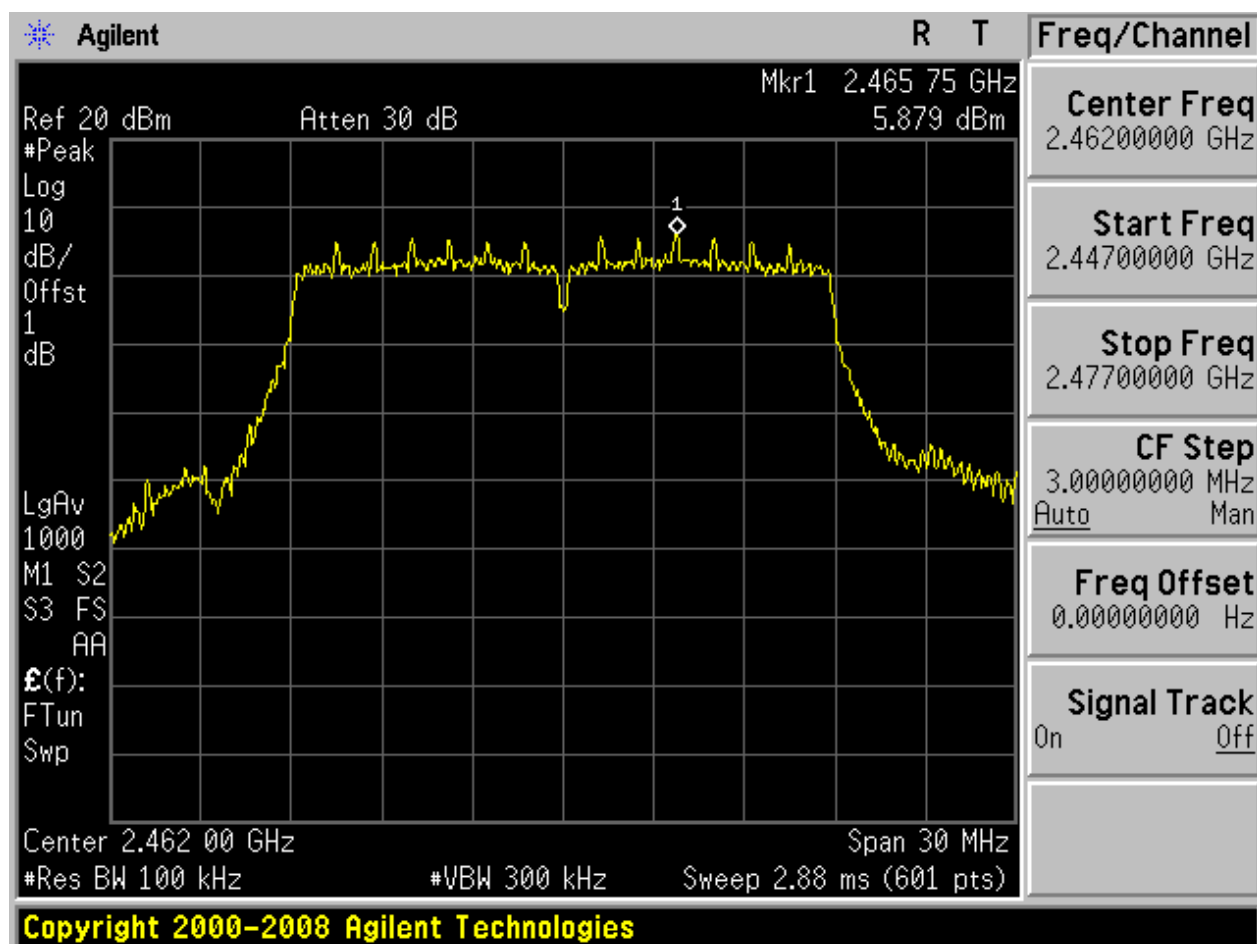






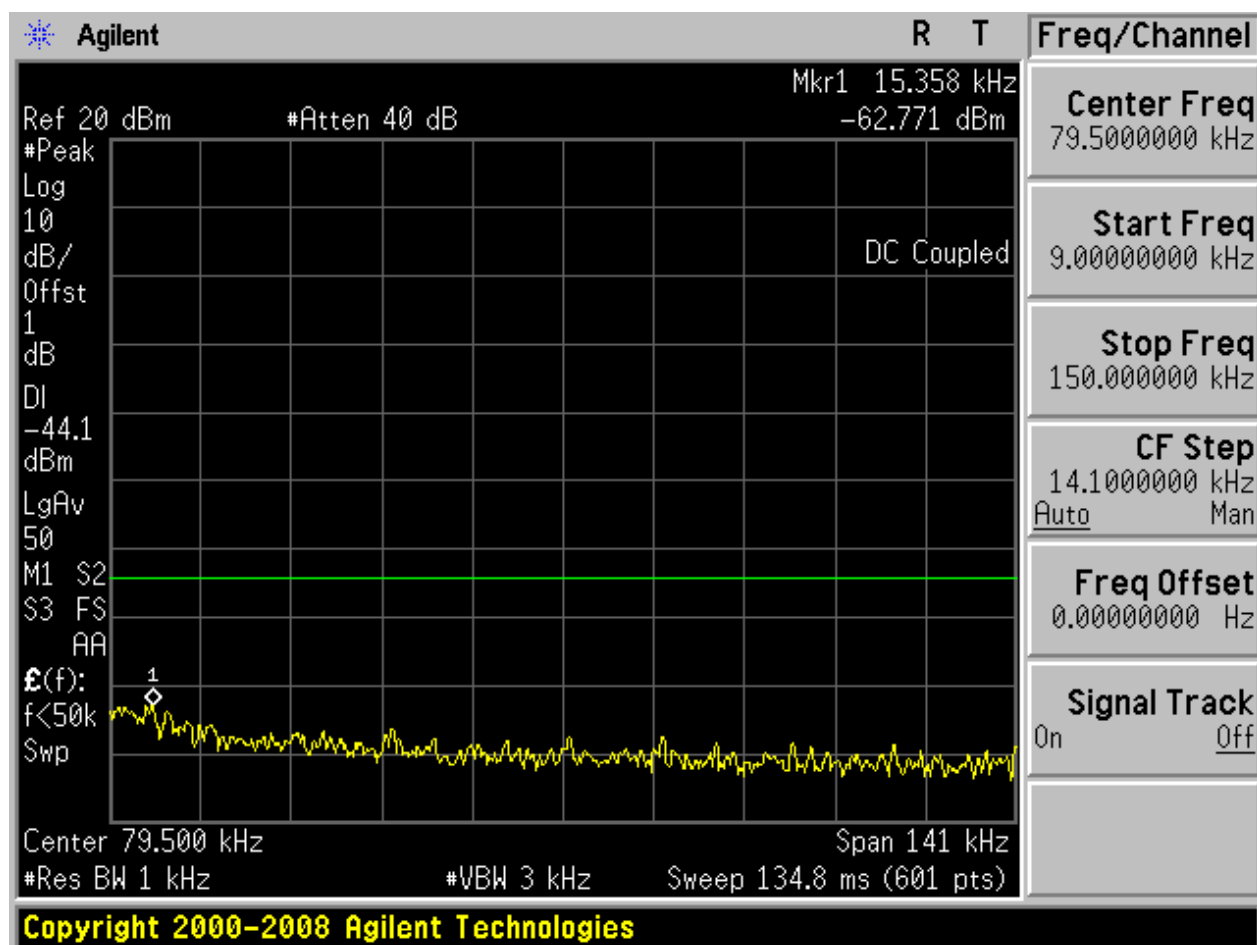
2.29 11N20m_H@Ant 1

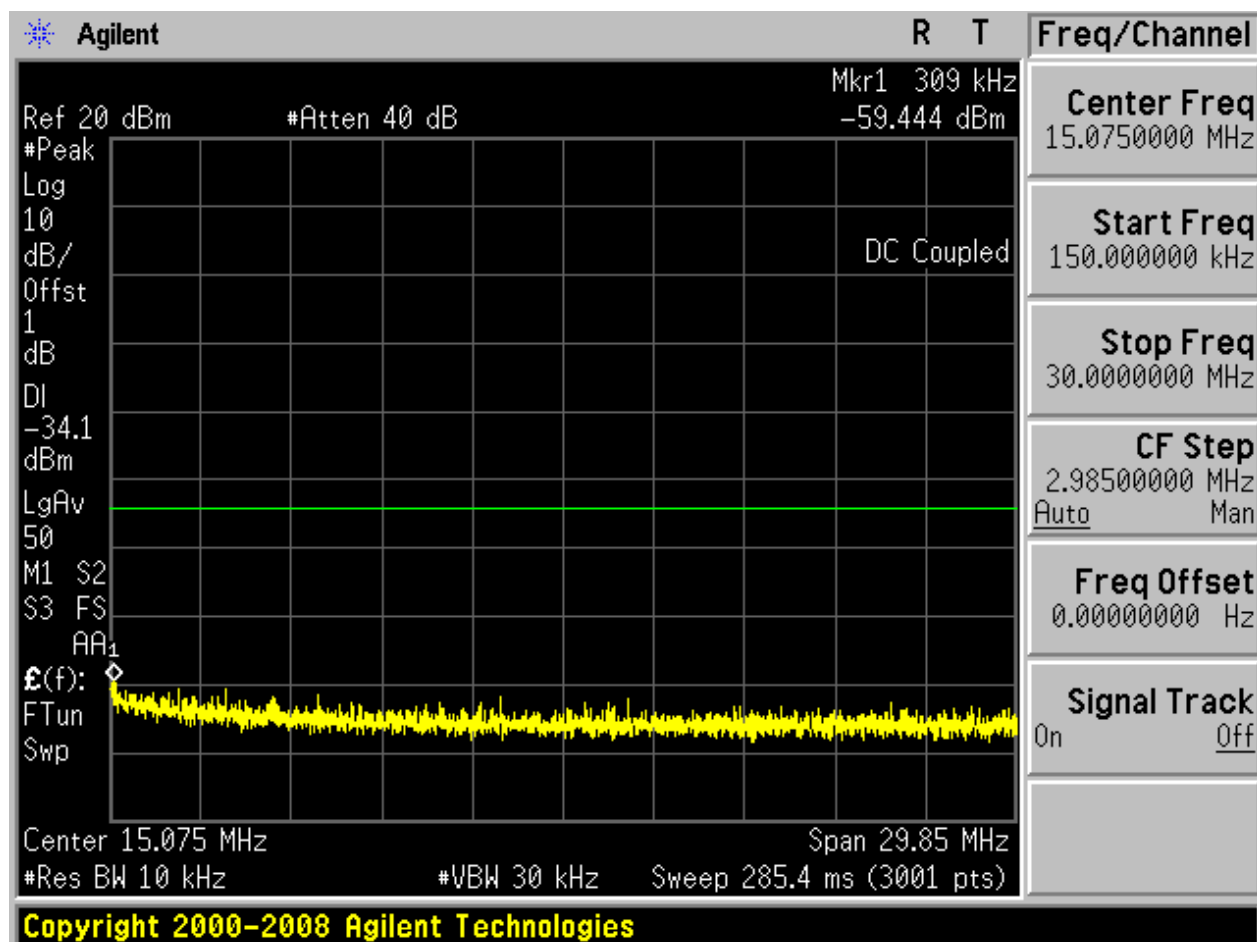
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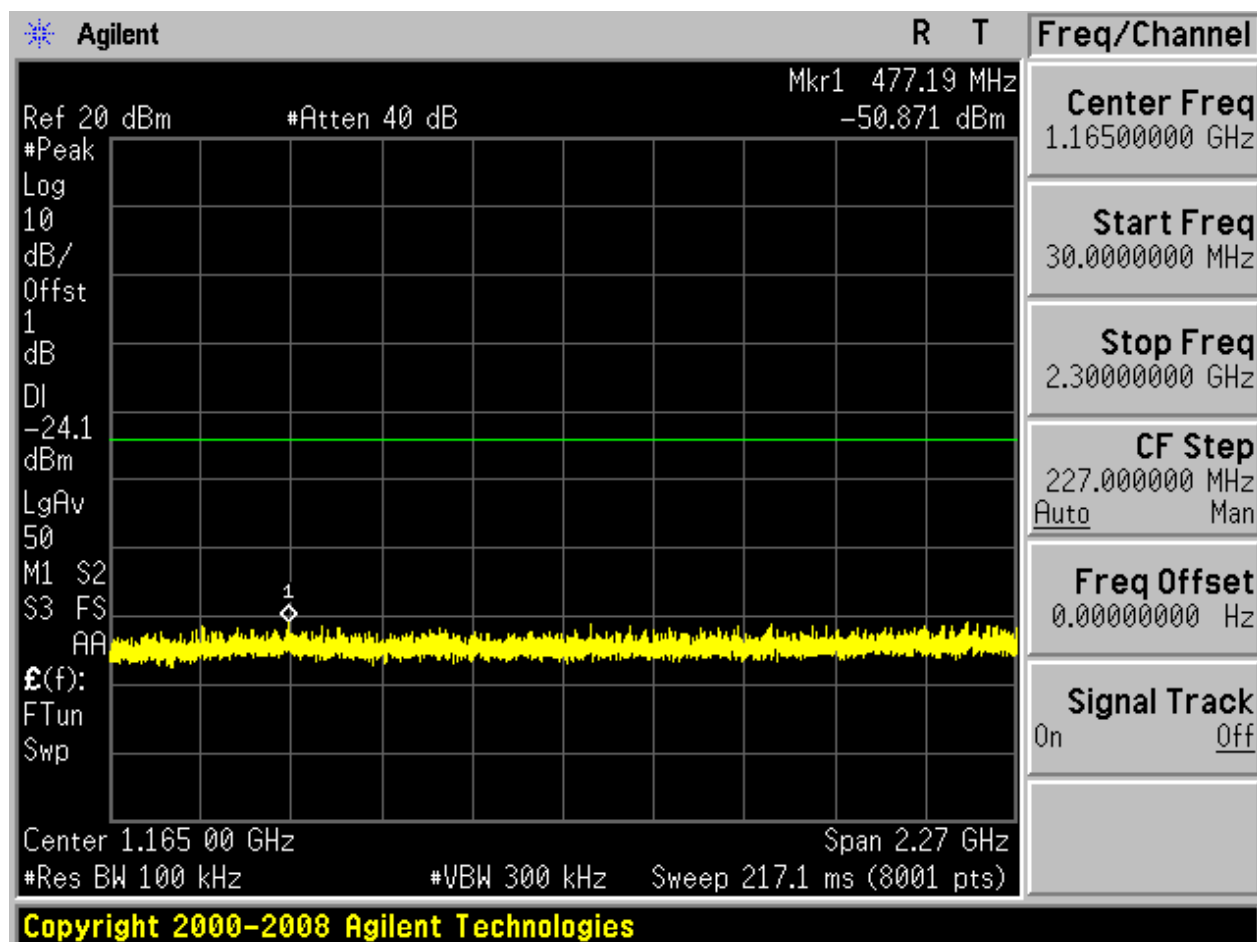


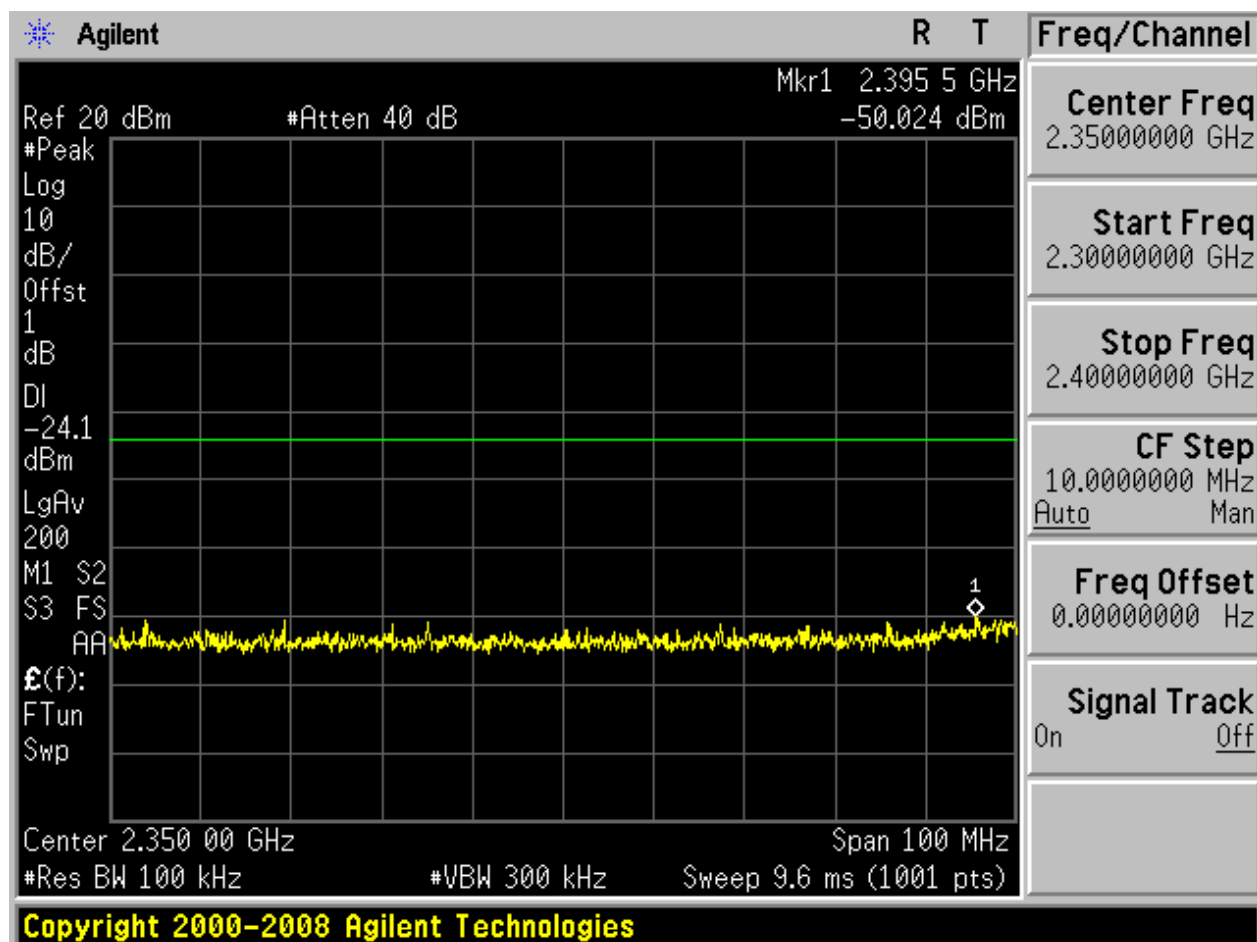


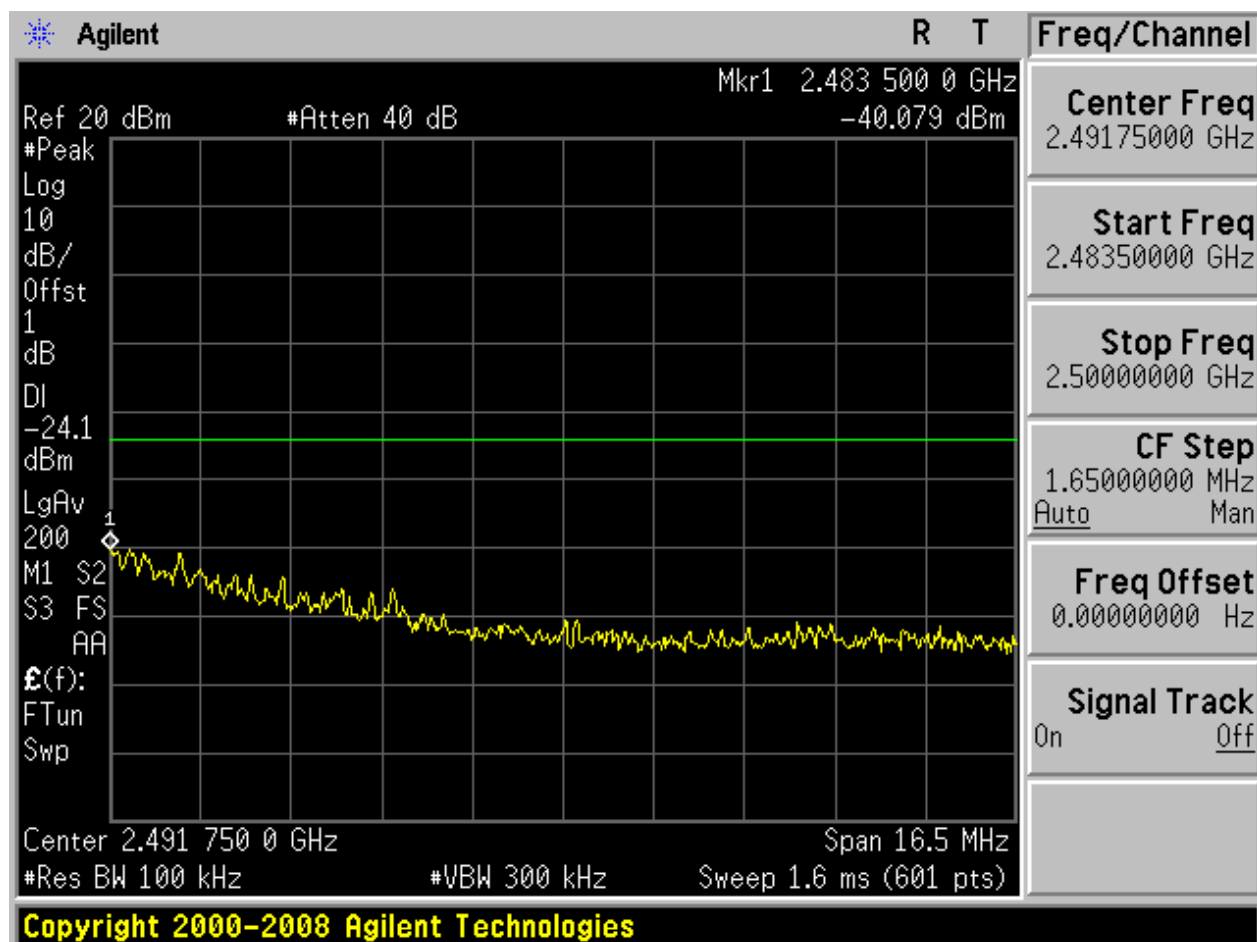
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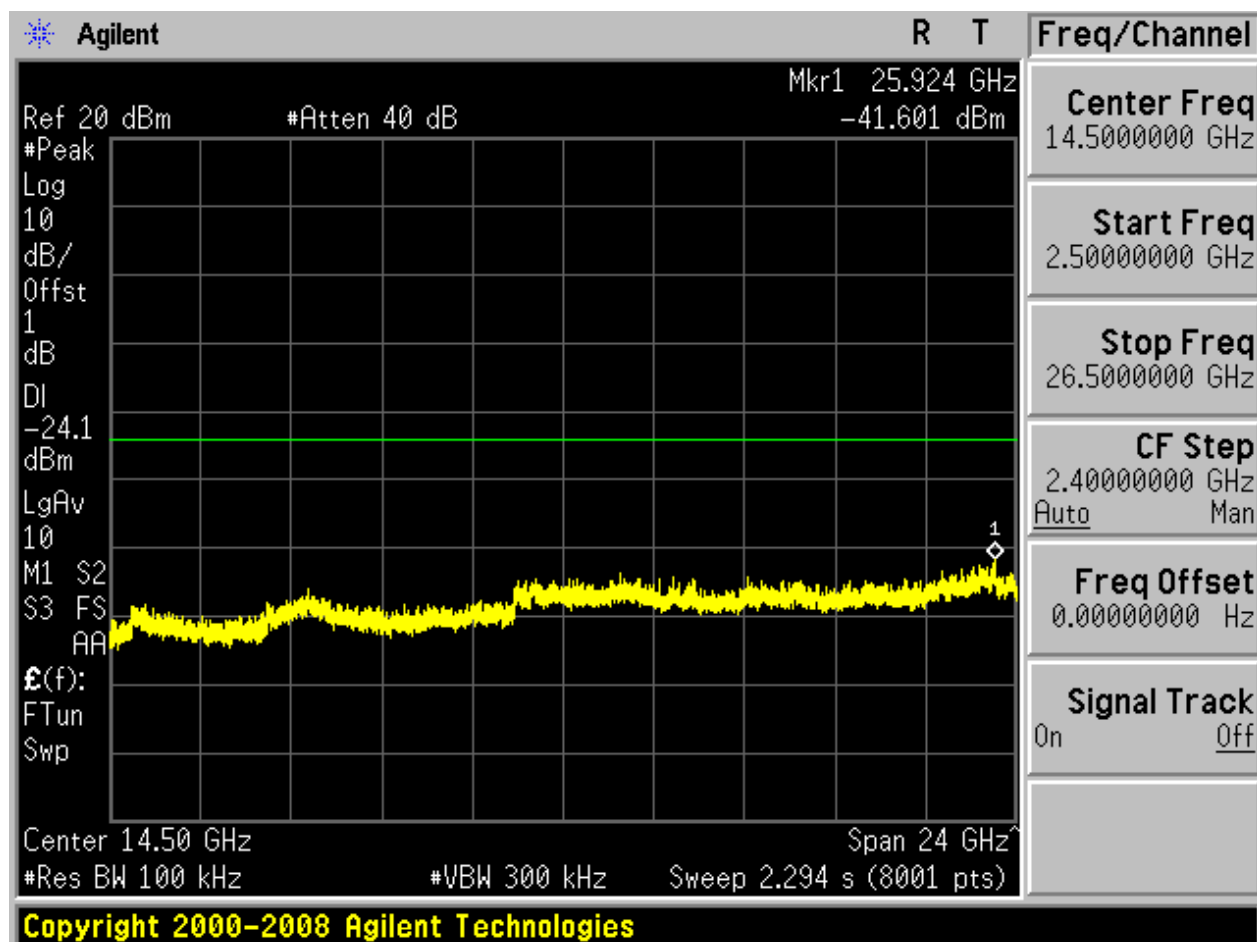








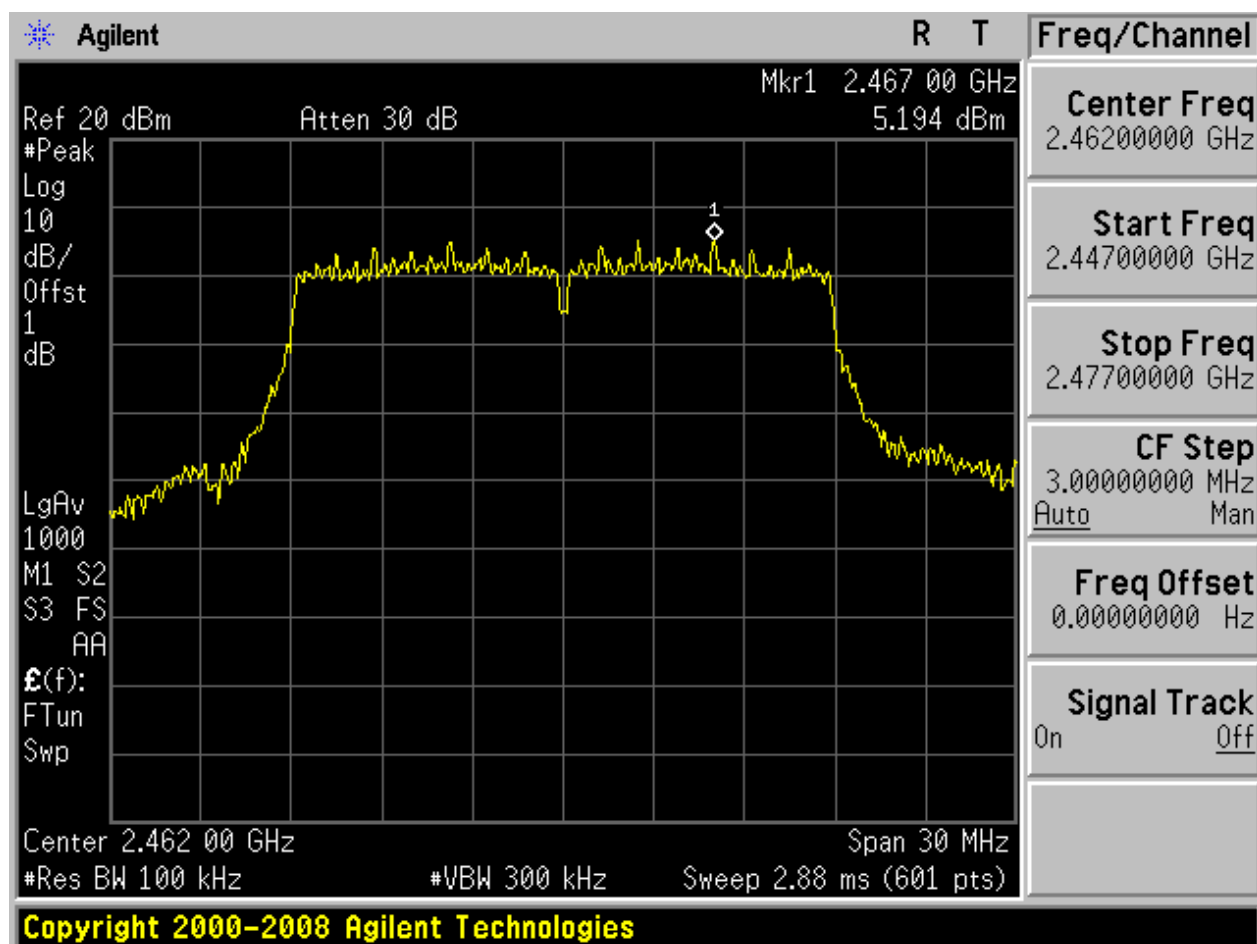






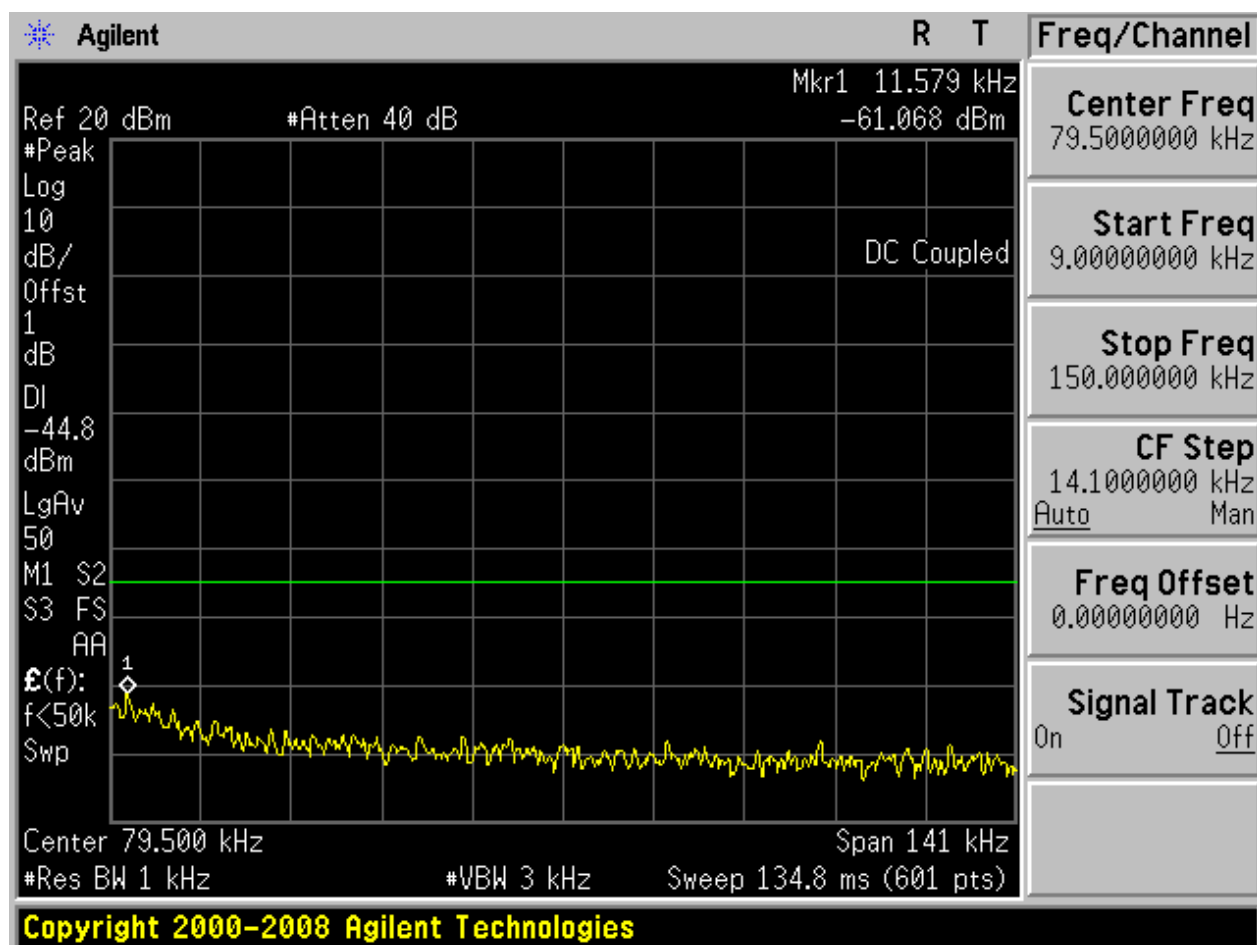
2.30 11N20m_H@Ant 2

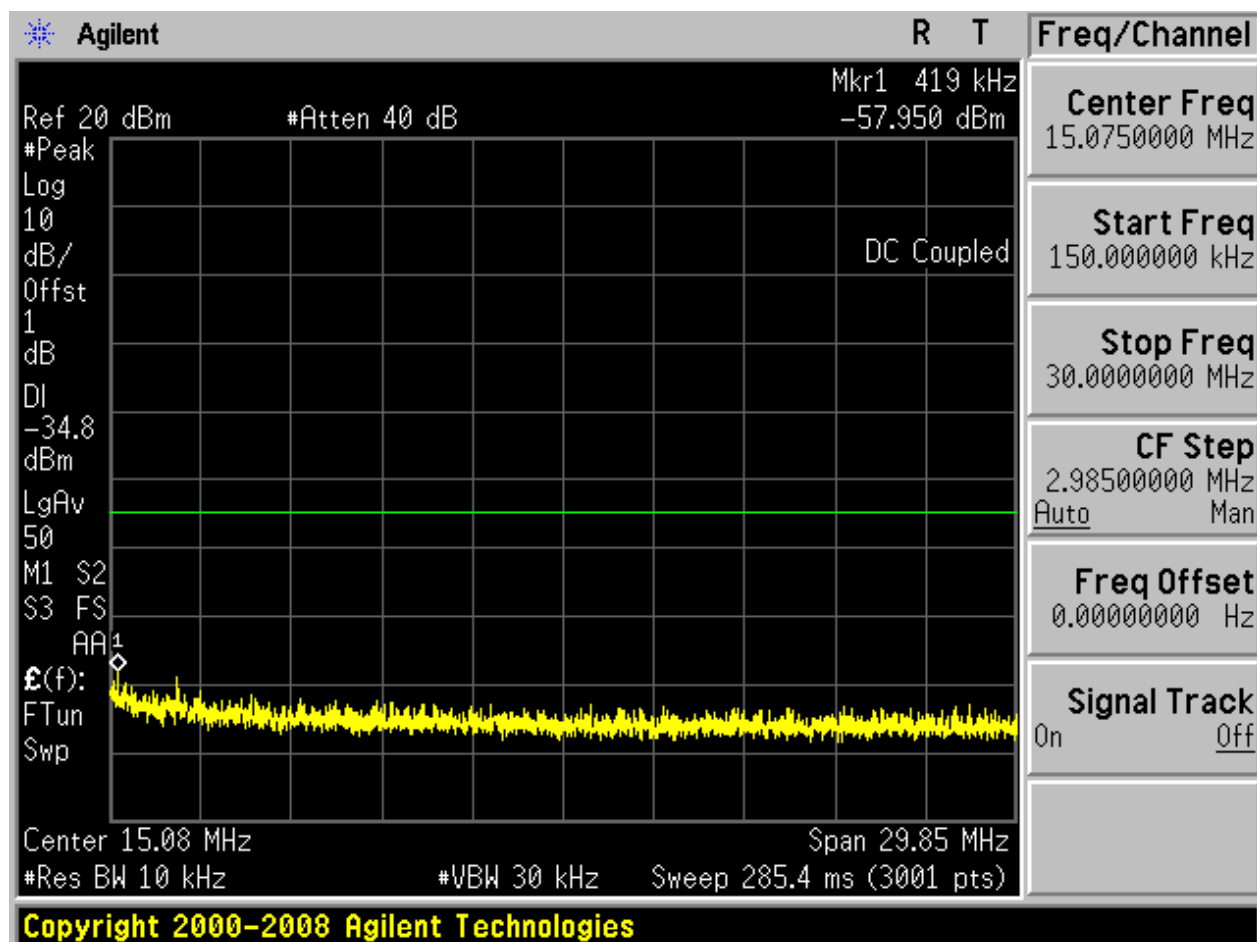
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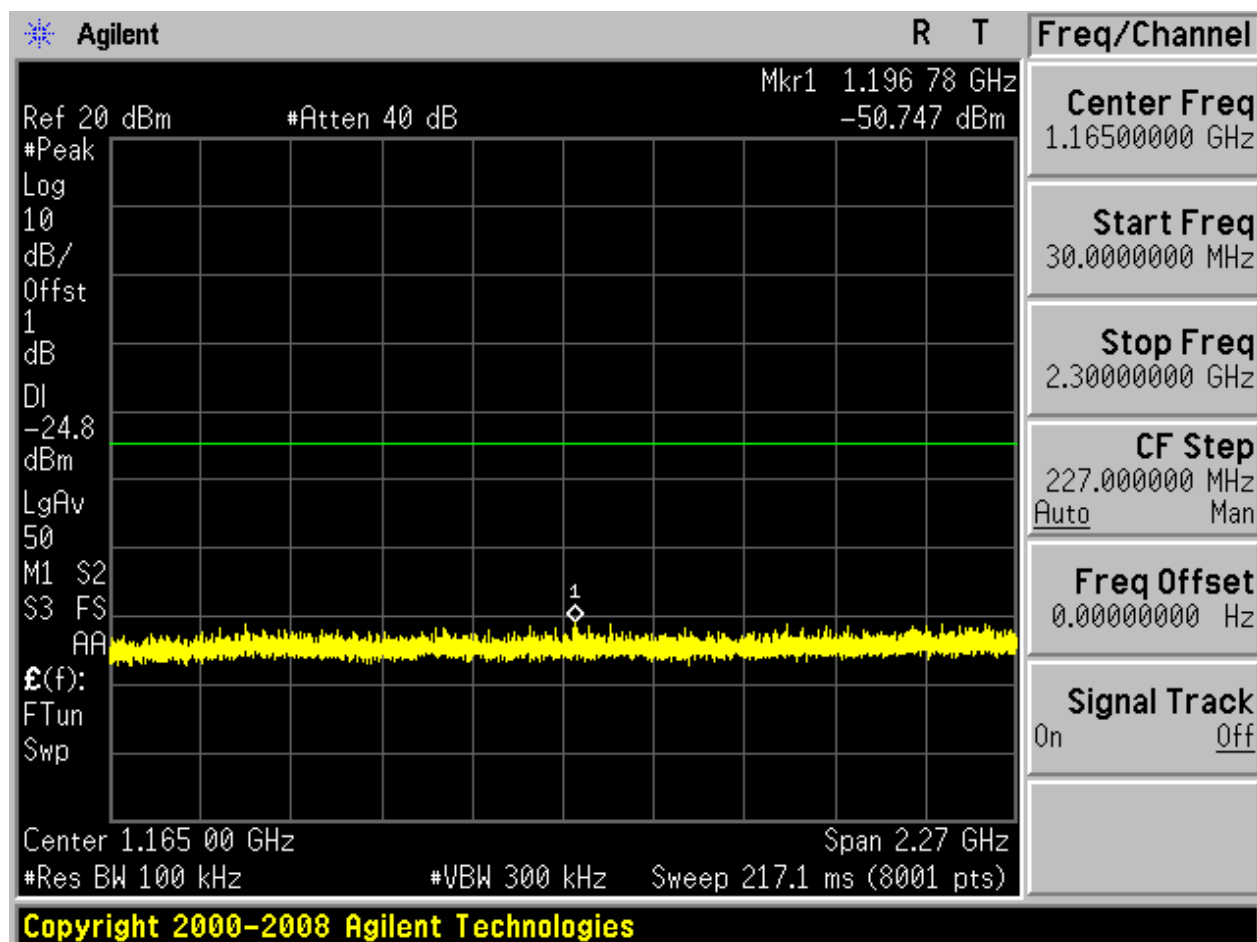


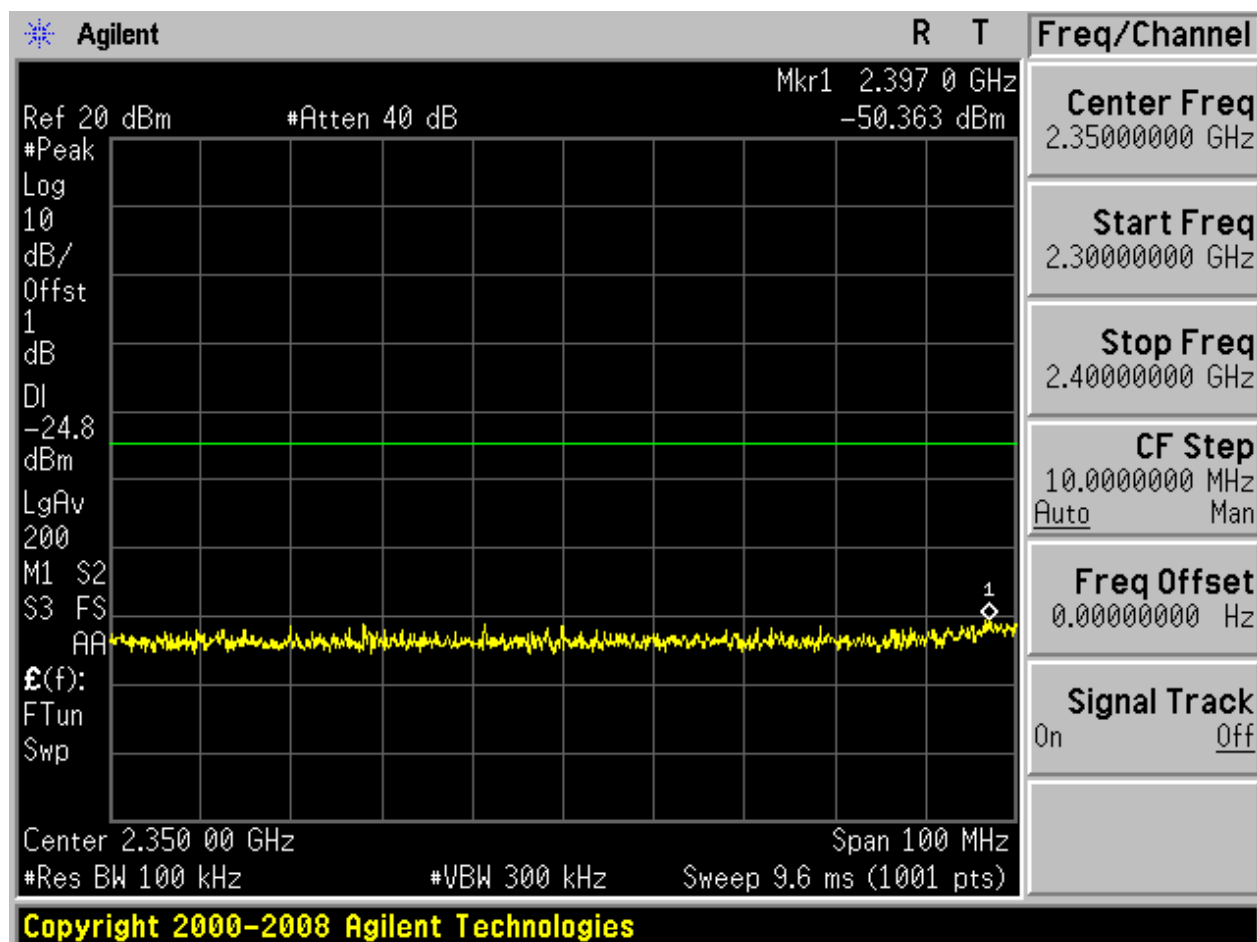


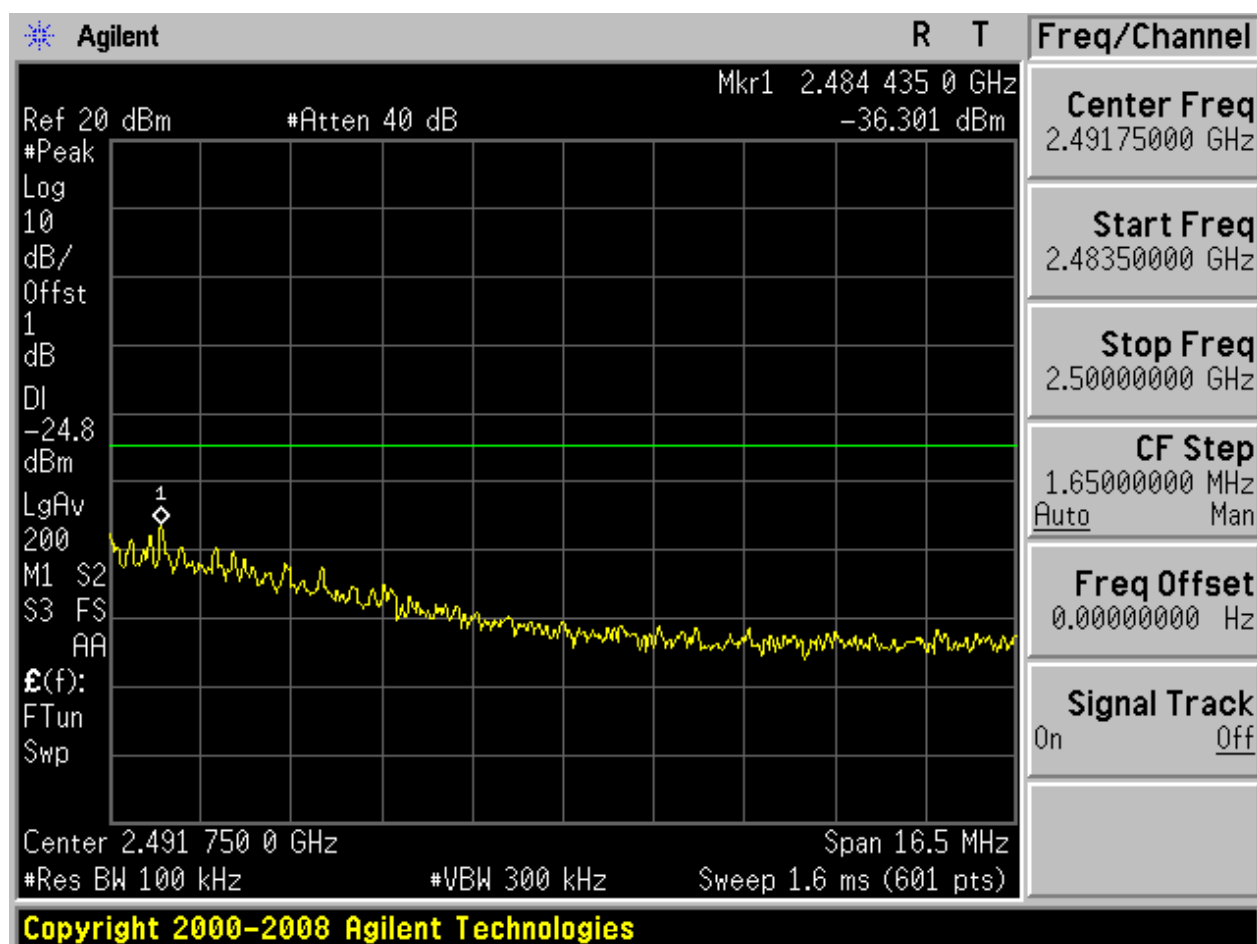
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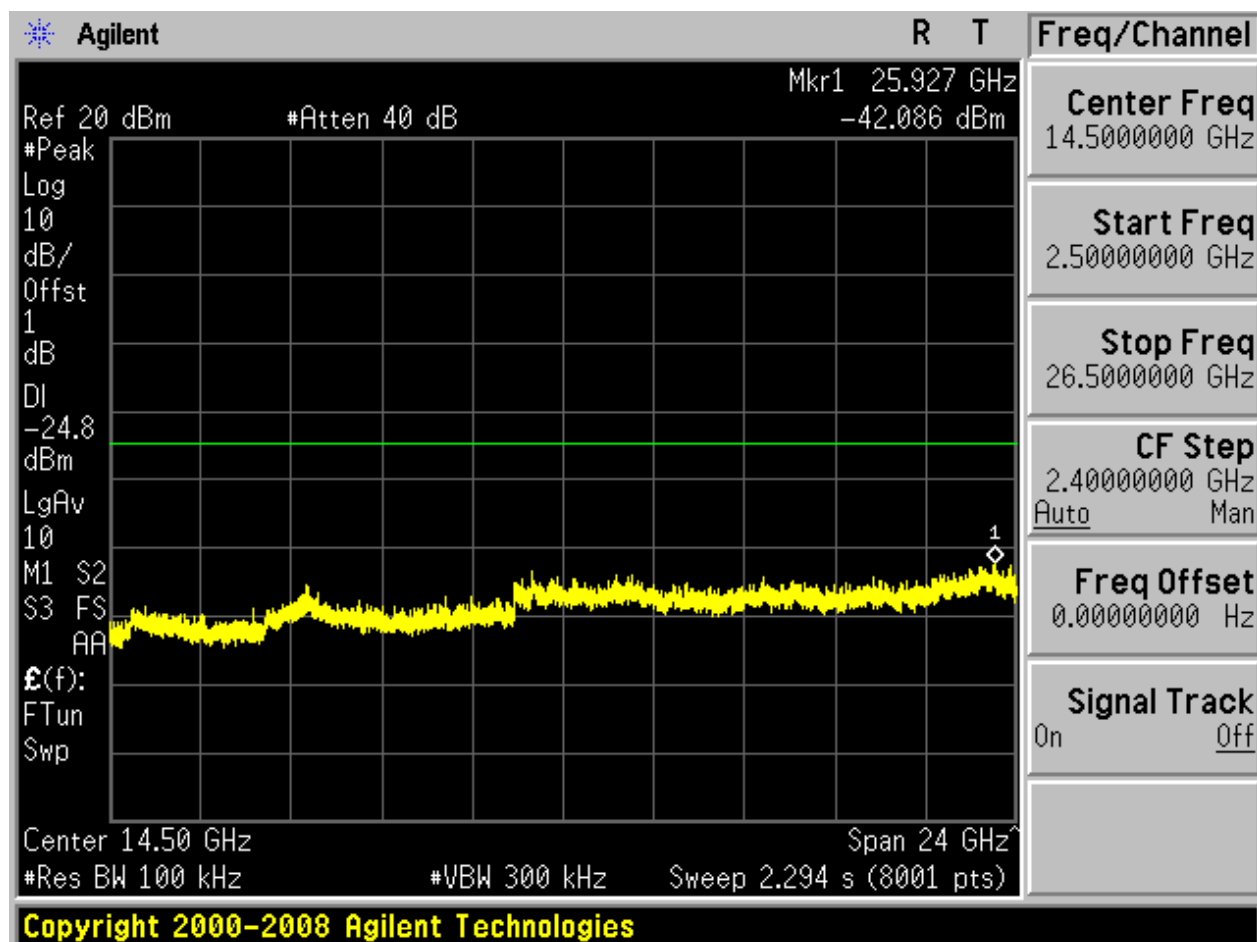














2.32 11N40m_L@Ant 2

Pref:

