



Appendix for Test report

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.

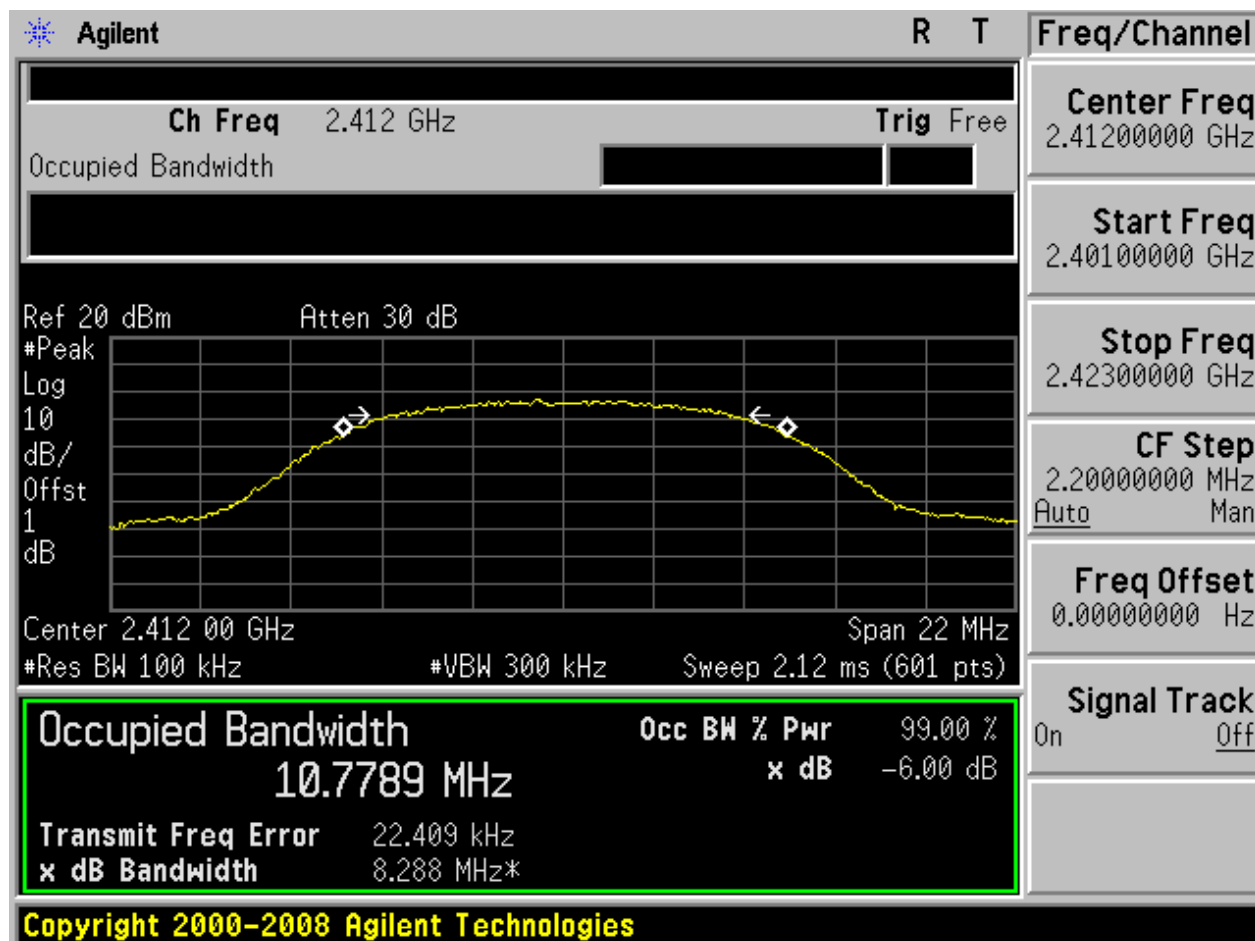
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11B	L	2412	Ant 1	8.29	pass
11B	L	2412	Ant 2	8.59	pass
11B	M	2432	Ant 1	8.53	pass
11B	M	2432	Ant 2	8.47	pass
11B	H	2442	Ant 1	7.94	pass
11B	H	2442	Ant 2	8.18	pass
11G	L	2412	Ant 1	16.42	pass
11G	L	2412	Ant 2	15.76	pass
11G	M	2432	Ant 1	16.36	pass
11G	M	2432	Ant 2	16.43	pass
11G	H	2442	Ant 1	16.41	pass
11G	H	2442	Ant 2	16.40	pass
11N20	L	2412	Ant 1	17.34	pass
11N20	L	2412	Ant 2	16.02	pass
11N20	M	2432	Ant 1	16.91	pass
11N20	M	2432	Ant 2	16.98	pass
11N20	H	2442	Ant 1	16.94	pass
11N20	H	2442	Ant 2	16.28	pass
11N20m	L	2412	Ant 1	15.78	pass
11N20m	L	2412	Ant 2	16.31	pass
11N20m	M	2432	Ant 1	16.91	pass
11N20m	M	2432	Ant 2	16.70	pass
11N20m	H	2442	Ant 1	15.44	pass
11N20m	H	2442	Ant 2	16.00	pass
11N40	L	2422	Ant 1	35.12	pass
11N40	L	2422	Ant 2	33.86	pass
11N40	M	2432	Ant 1	33.98	pass
11N40	M	2432	Ant 2	35.39	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11N40	H	2442	Ant 1	35.16	pass
11N40	H	2442	Ant 2	35.12	pass
11N40m	L	2422	Ant 1	33.85	pass
11N40m	L	2422	Ant 2	32.66	pass
11N40m	M	2432	Ant 1	33.86	pass
11N40m	M	2432	Ant 2	35.18	pass
11N40m	H	2442	Ant 1	35.13	pass
11N40m	H	2442	Ant 2	35.11	pass

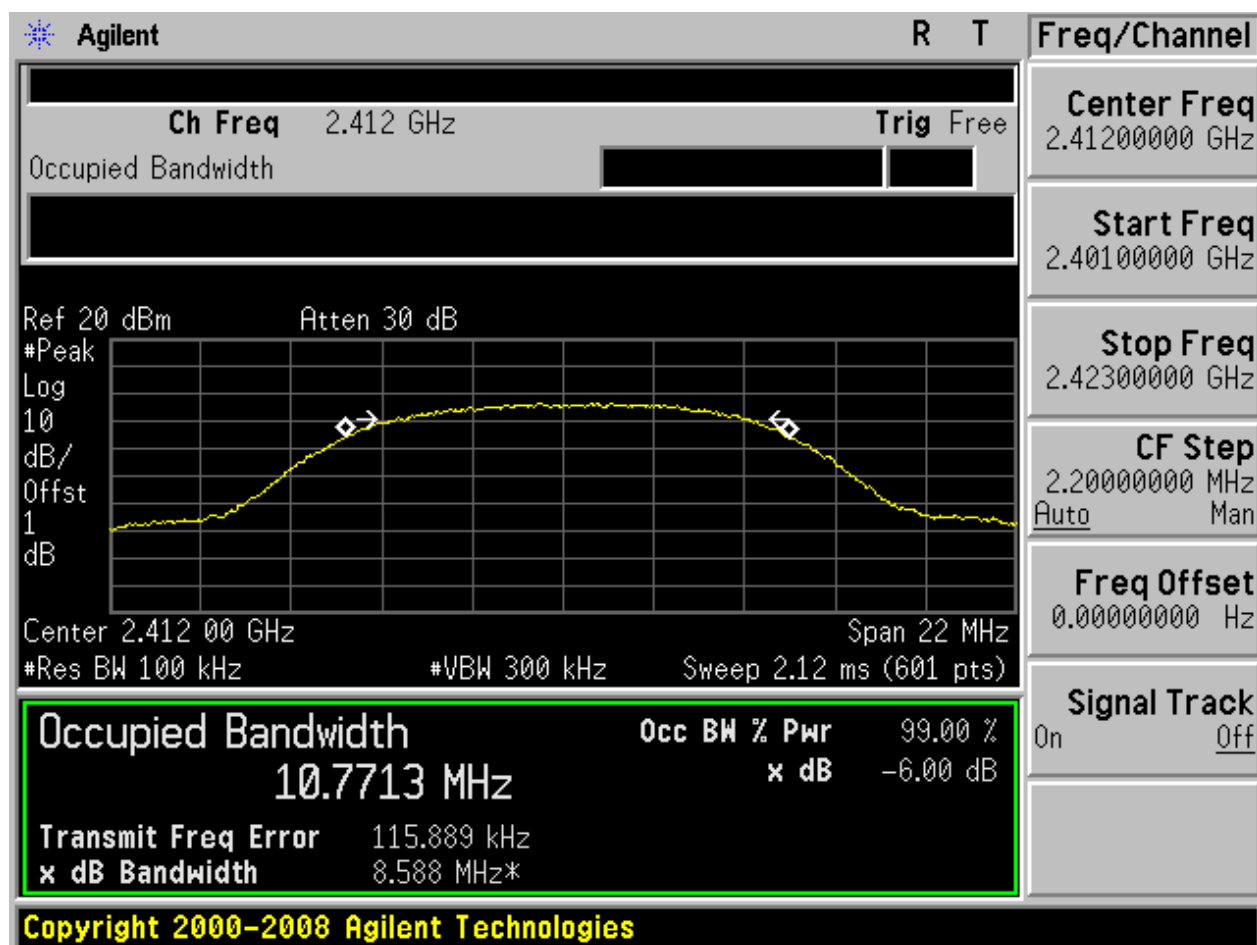
Part II - Test Plots

2.1 11B_L@Ant 1

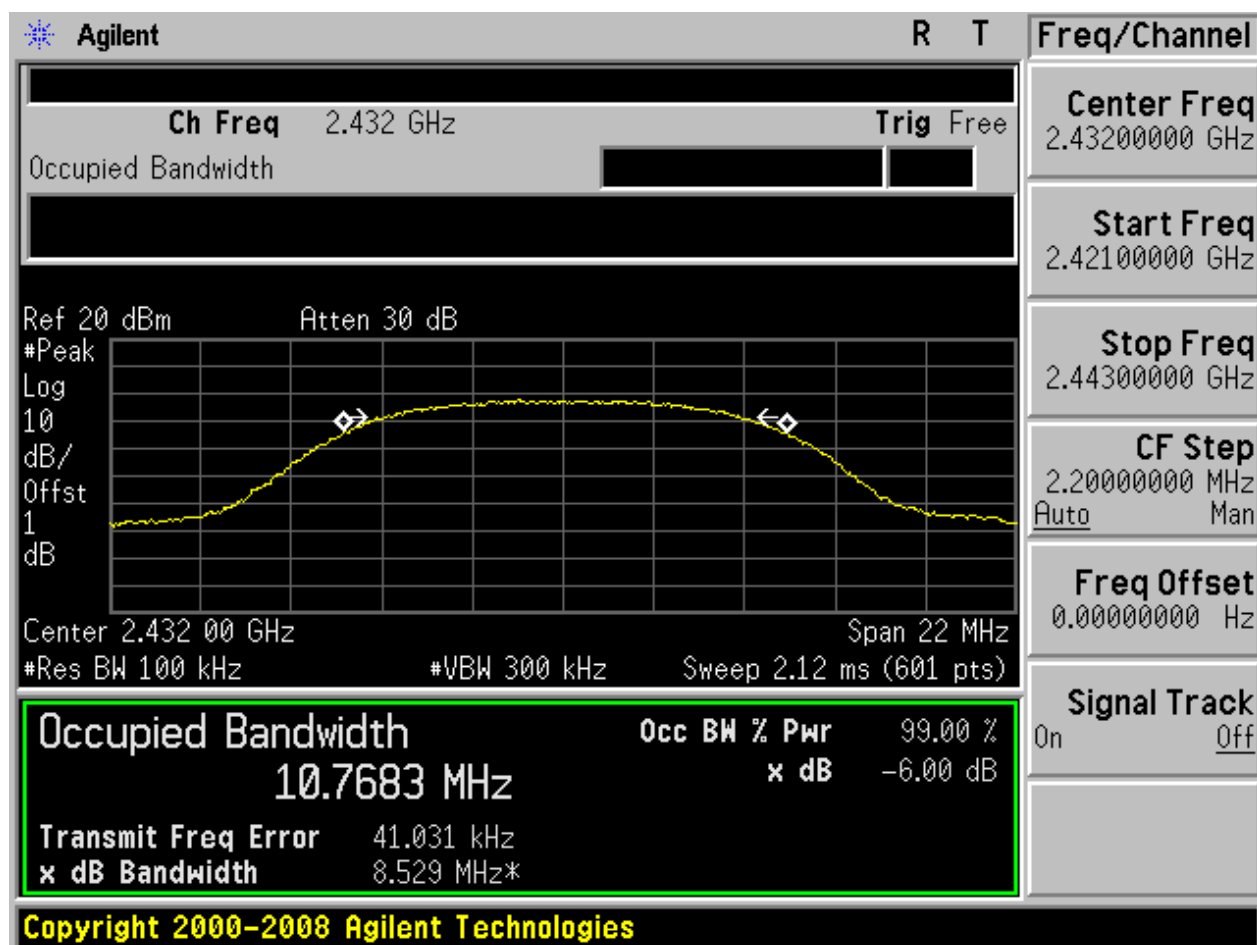




2.2 11B_L@Ant 2

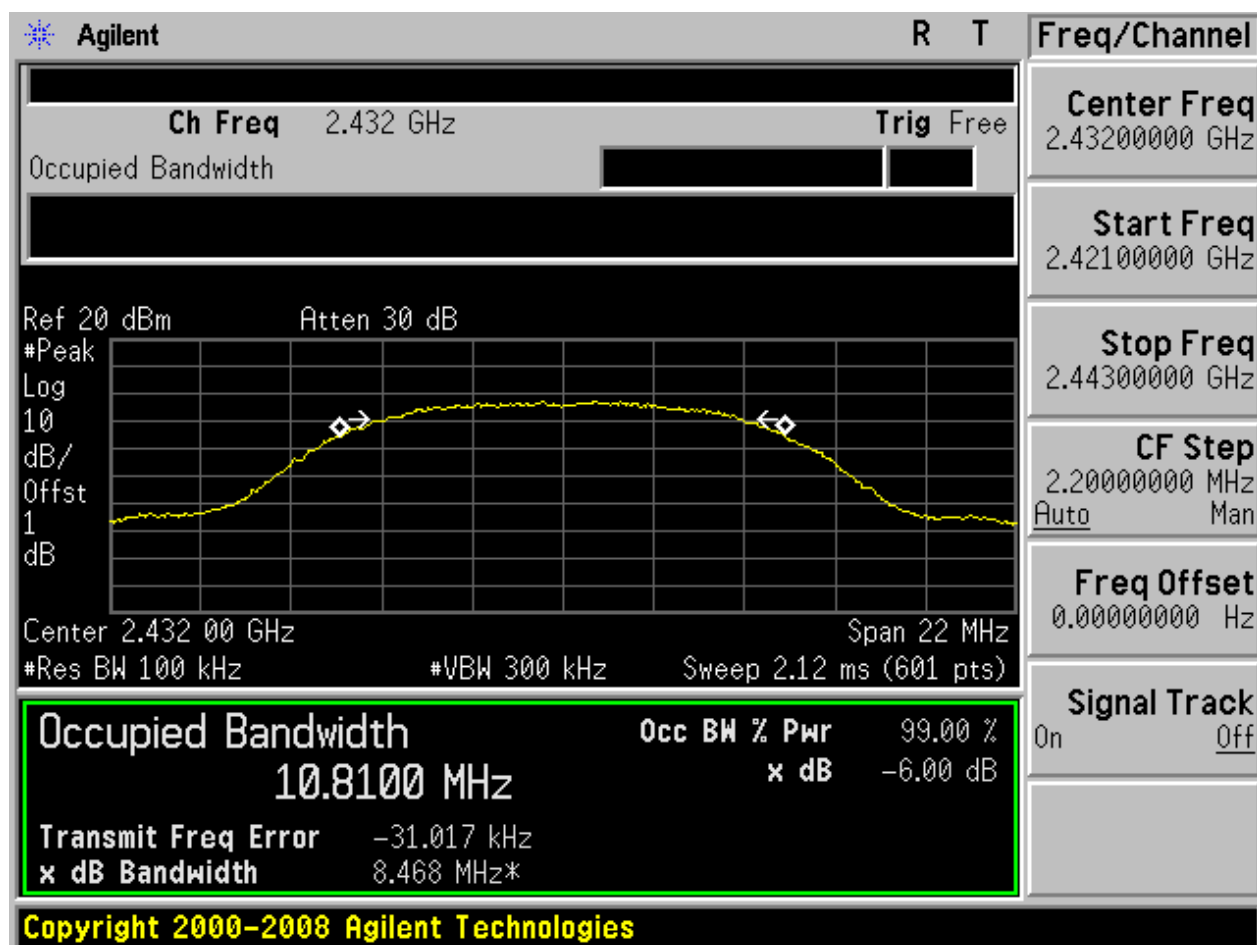


2.3 11B_M@Ant 1



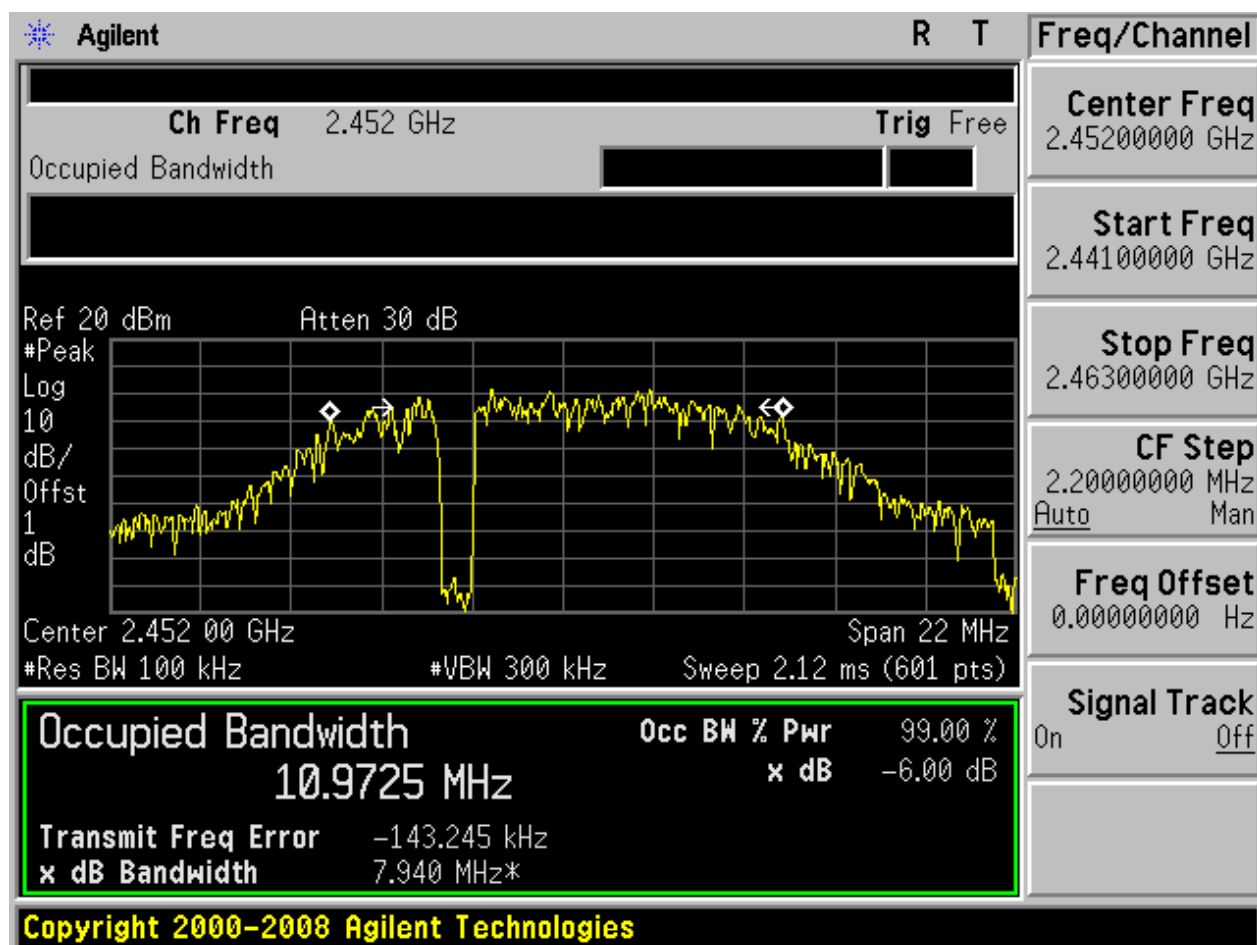


2.4 11B_M@Ant 2

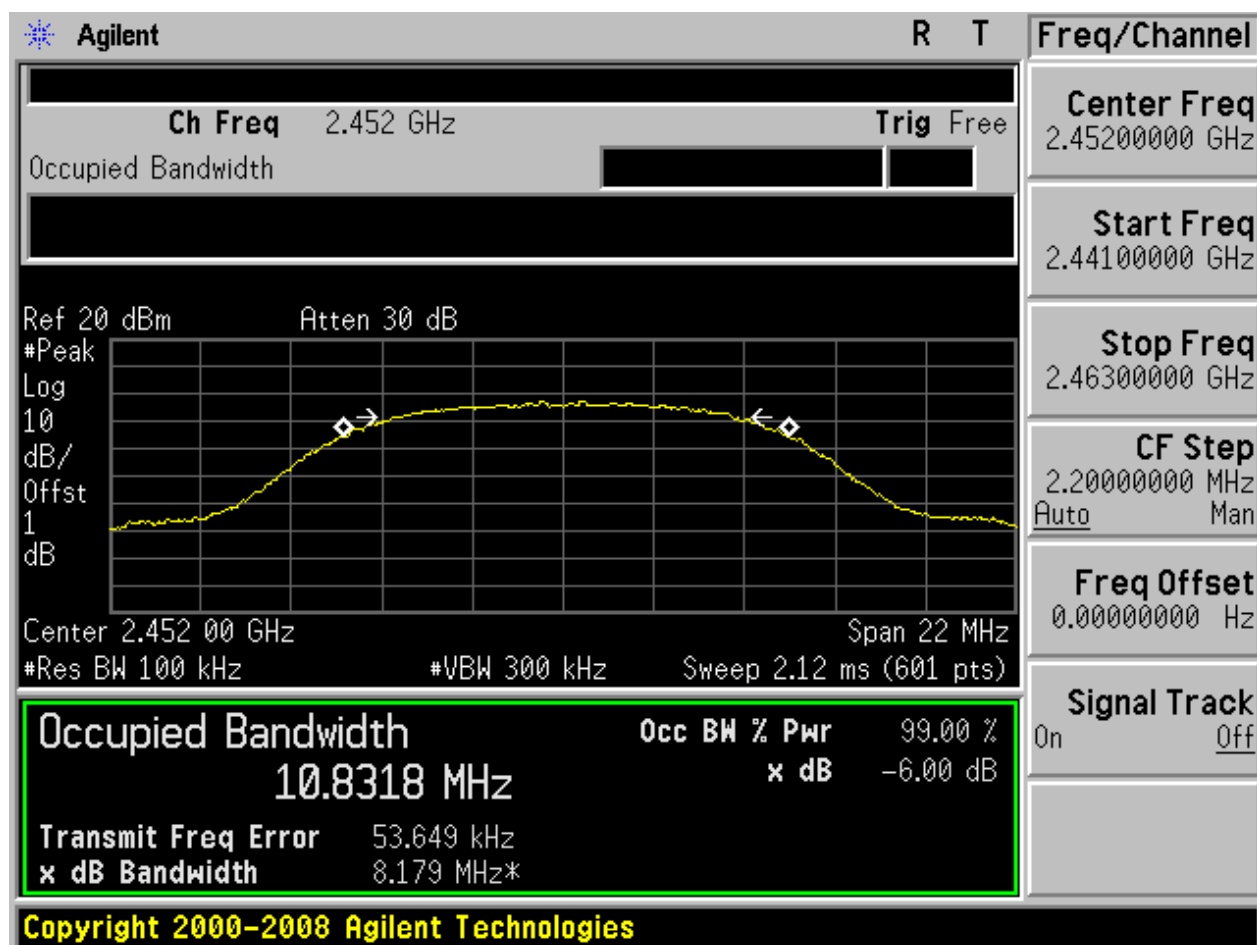




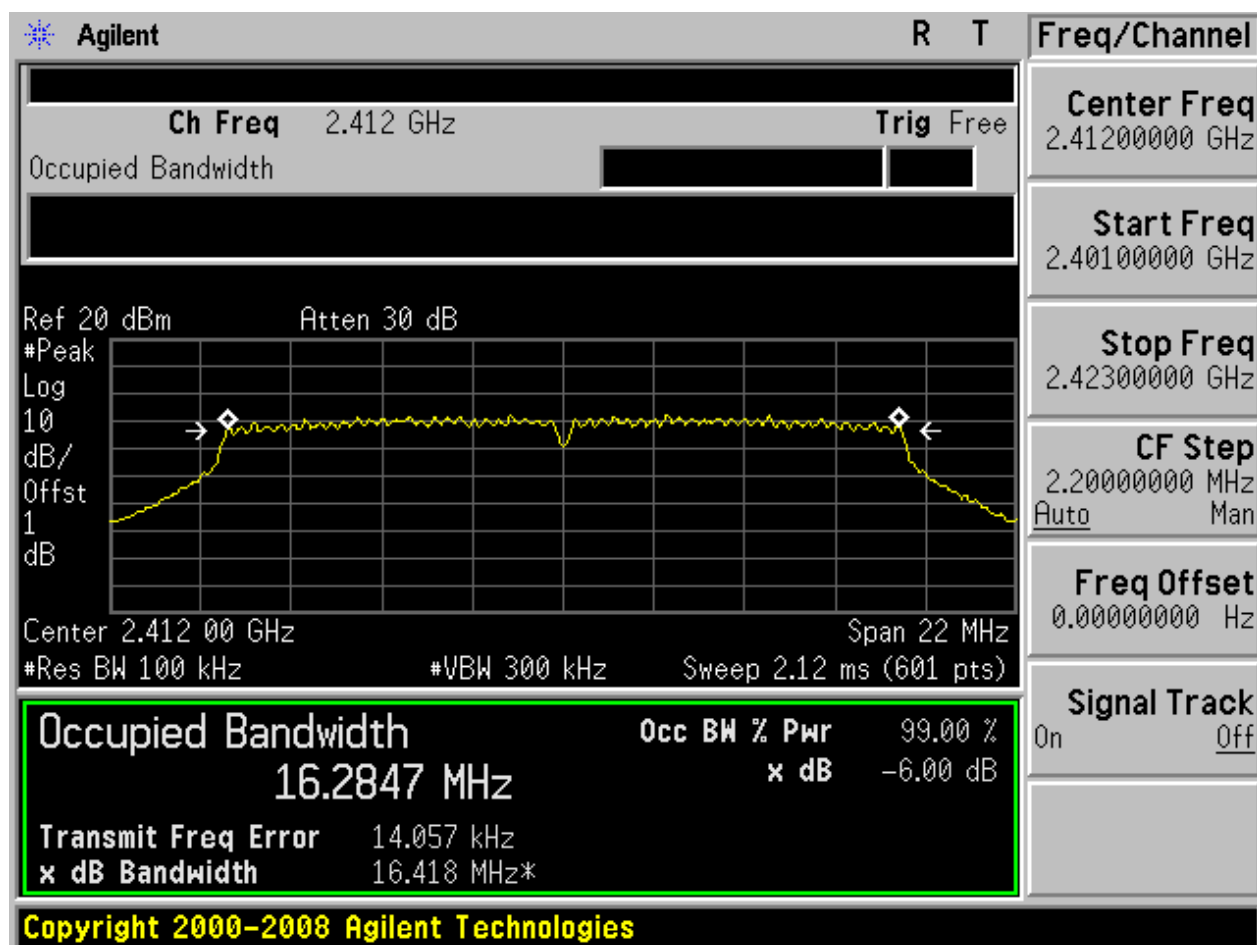
2.5 11B_H@Ant 1



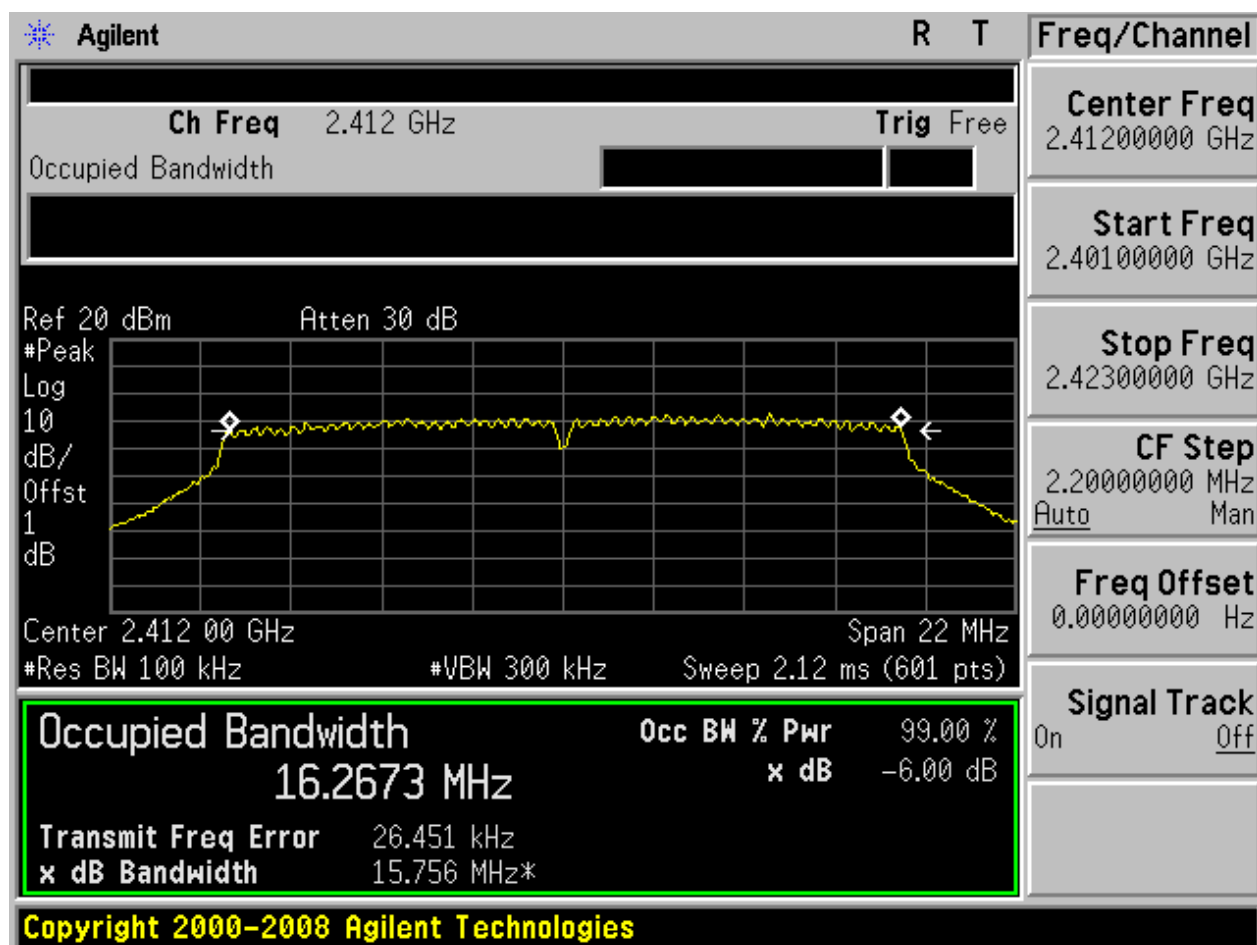
2.6 11B_H@Ant 2



2.7 11G_L@Ant 1

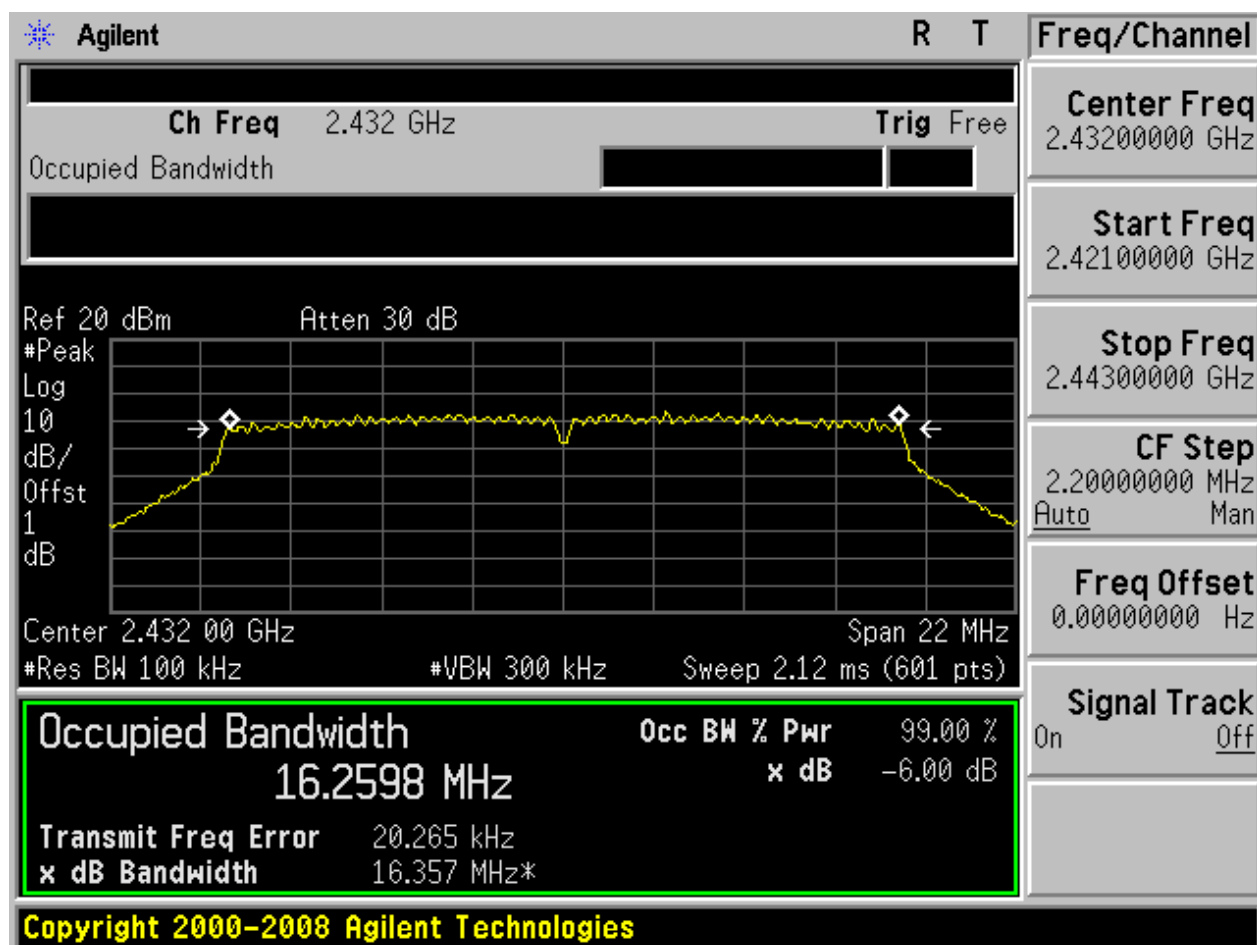


2.8 11G_L@Ant 2

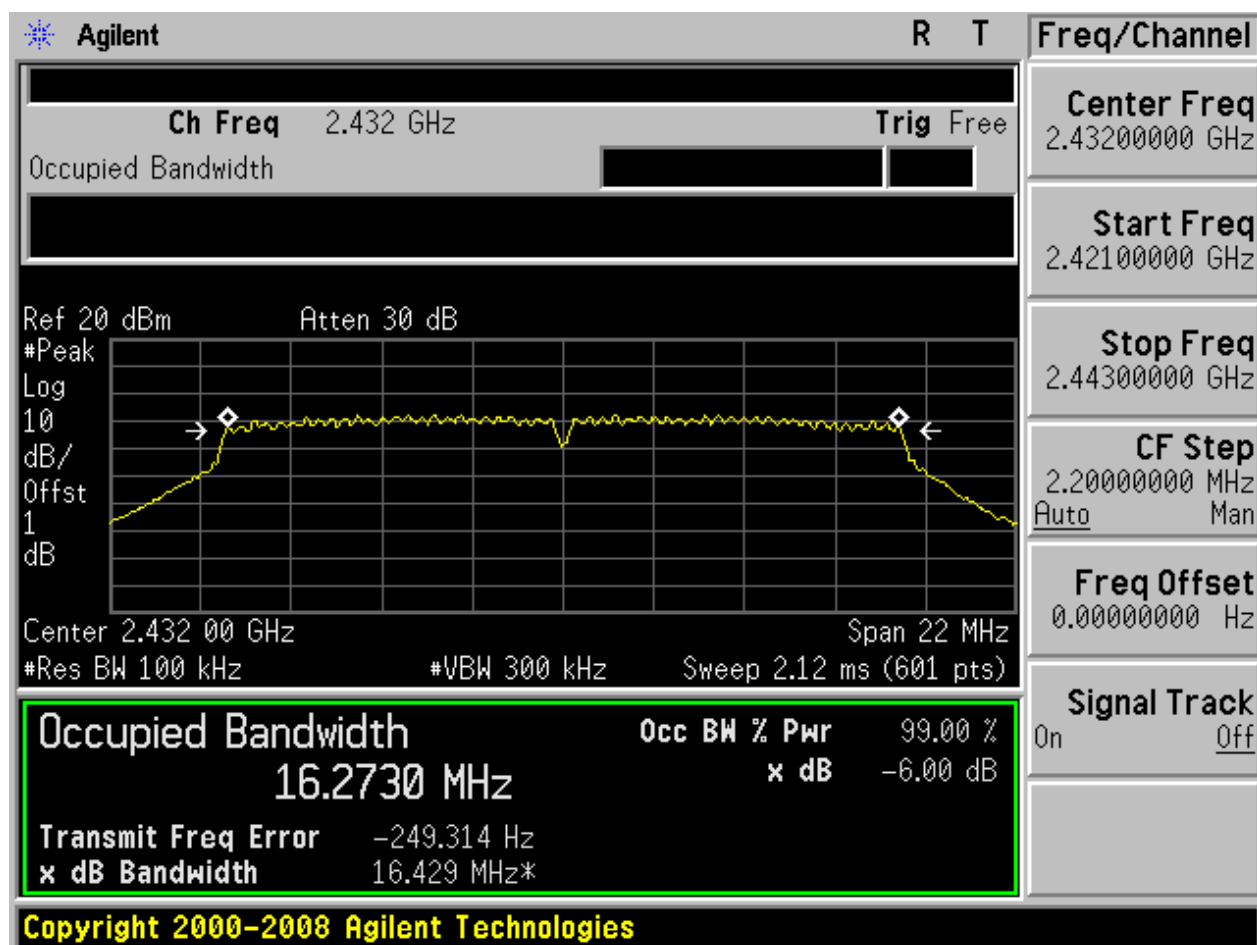




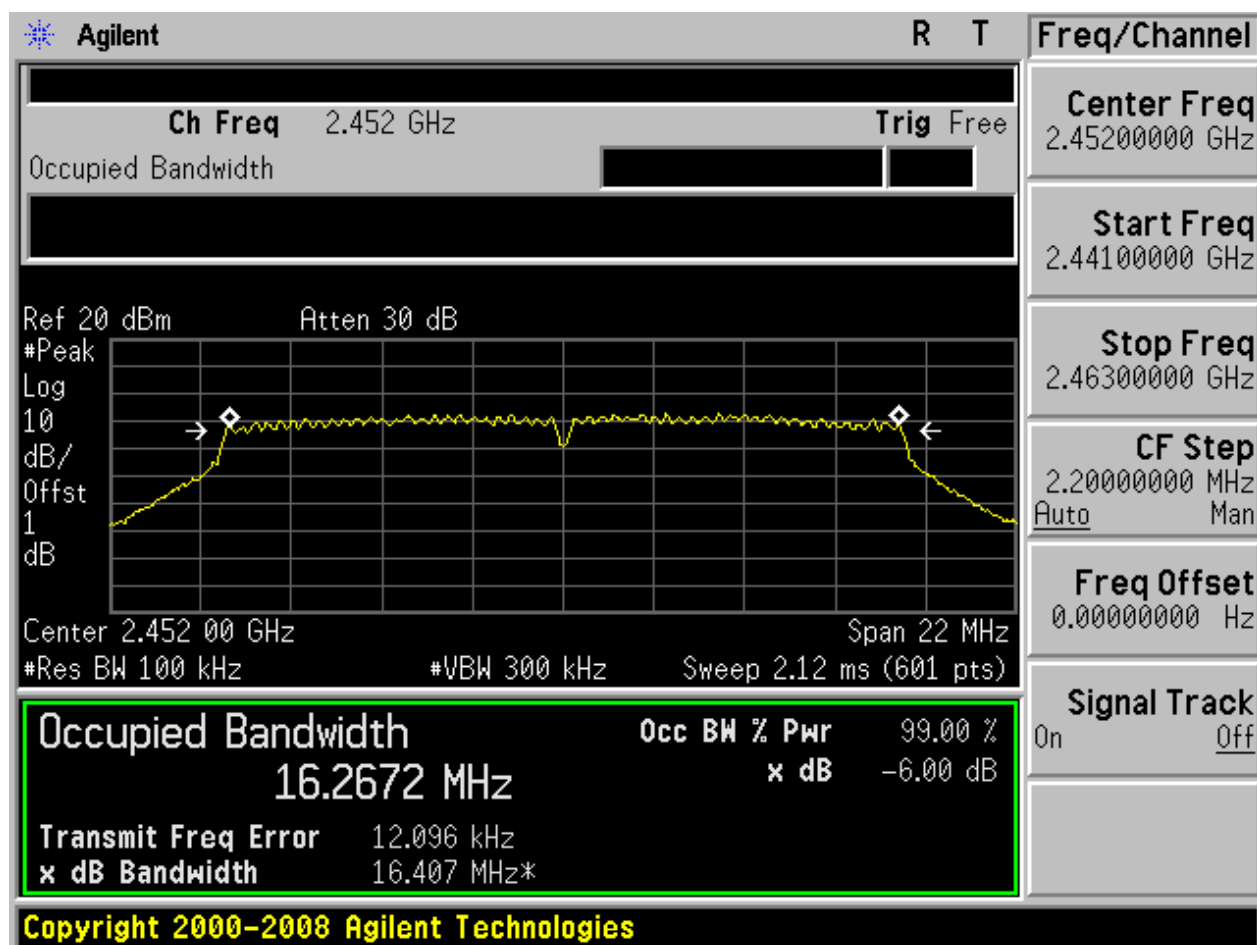
2.9 11G_M@Ant 1



2.10 11G_M@Ant 2

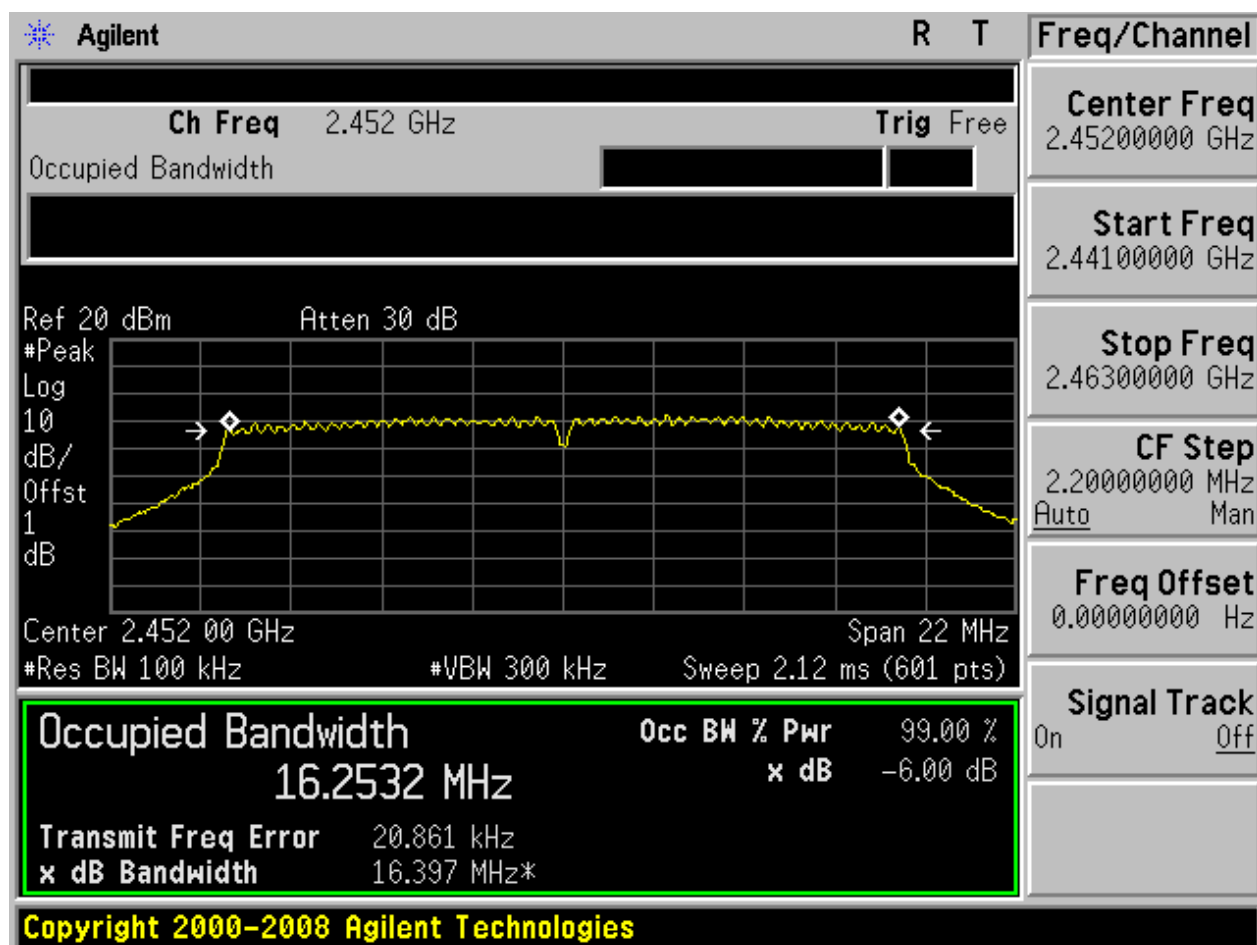


2.11 11G_H@Ant 1

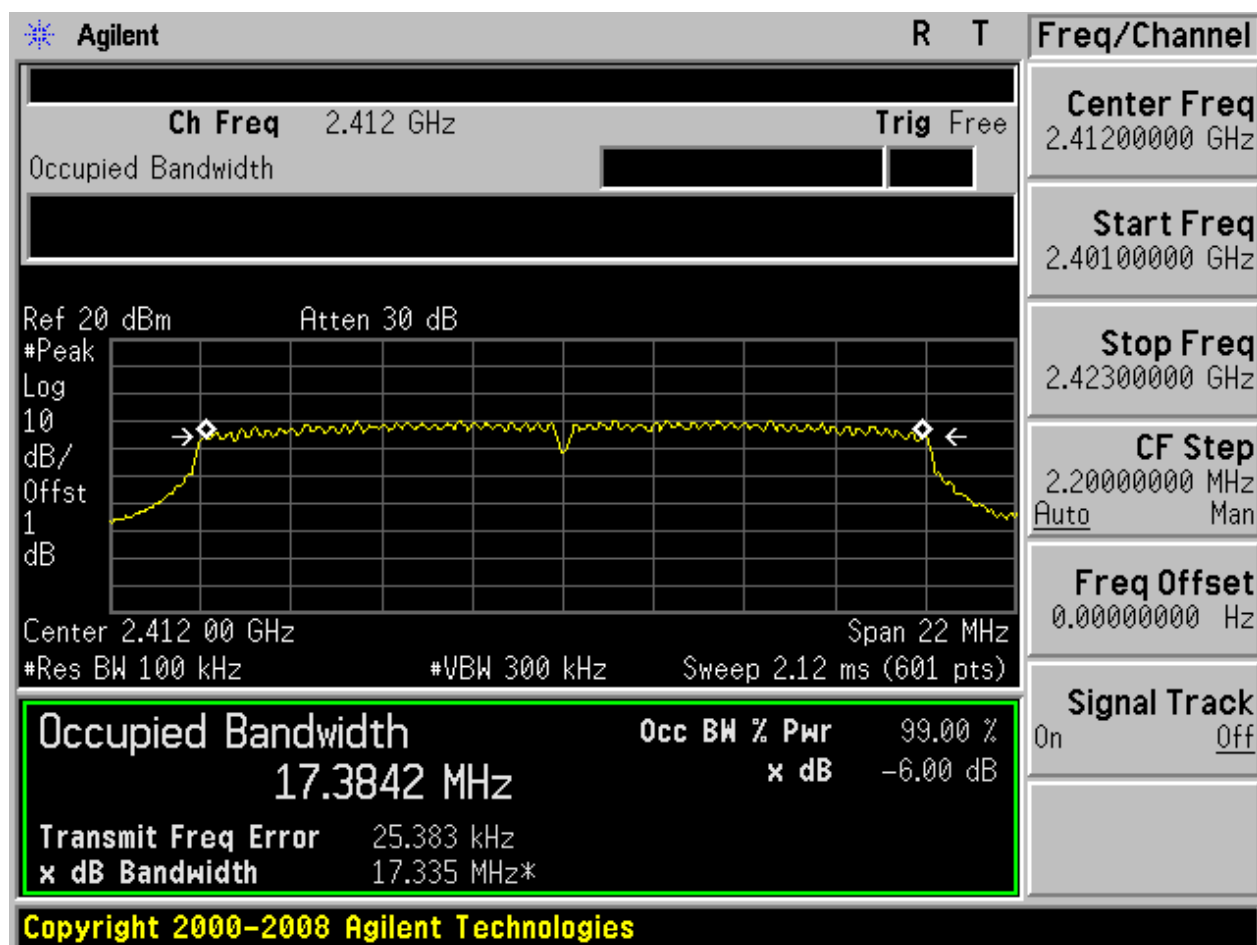




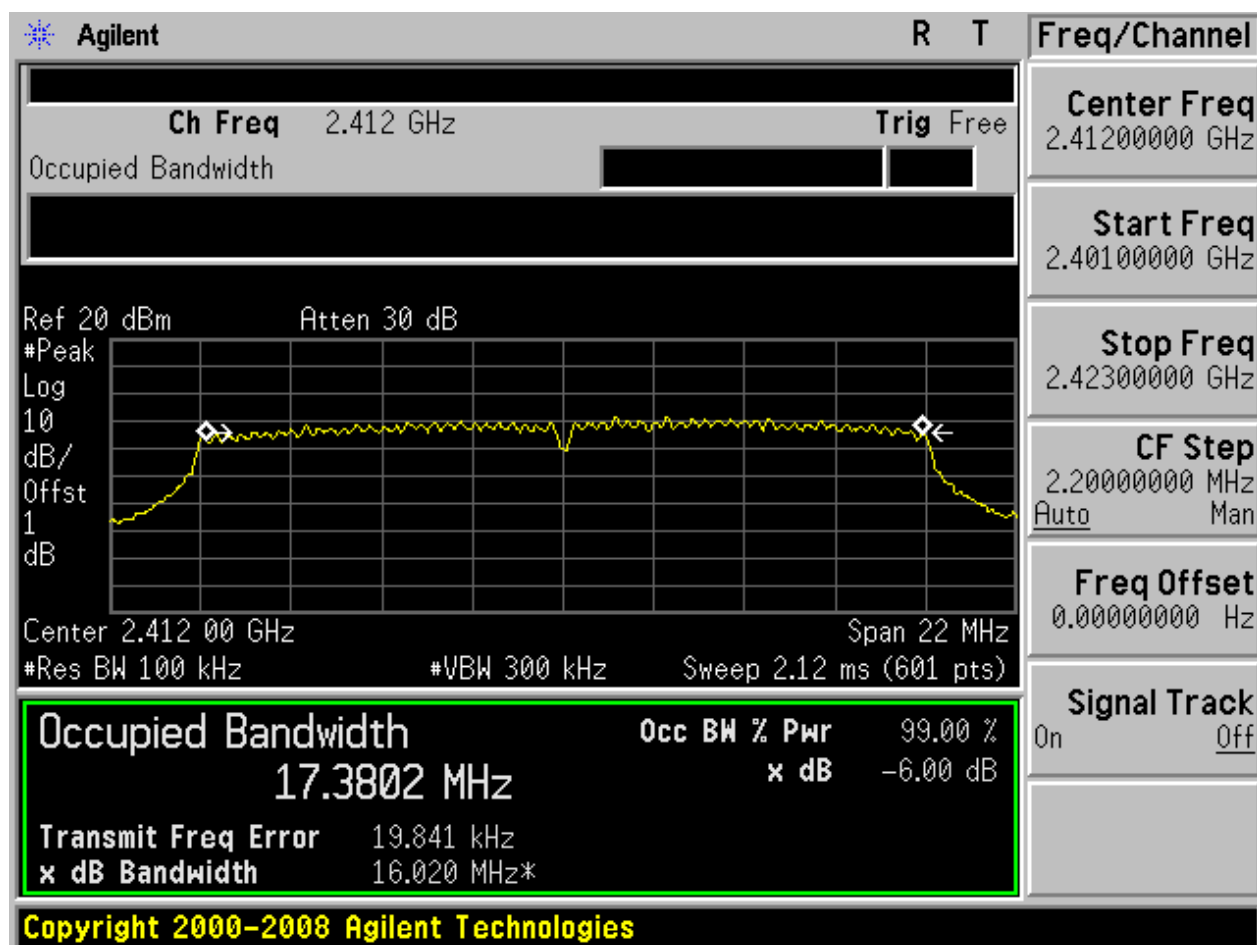
2.12 11G_H@Ant 2



2.13 11N20_L@Ant 1

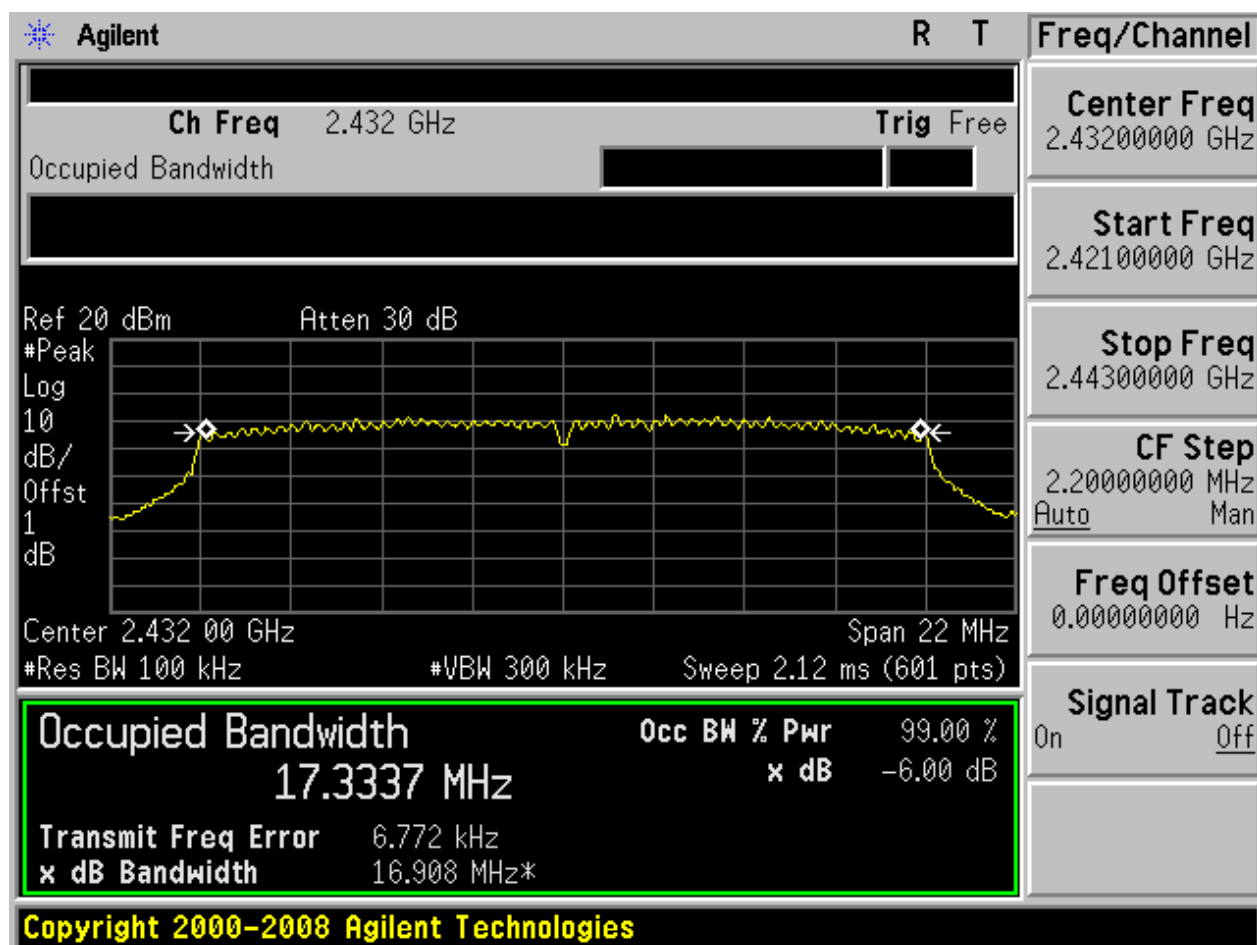


2.14 11N20_L@Ant 2

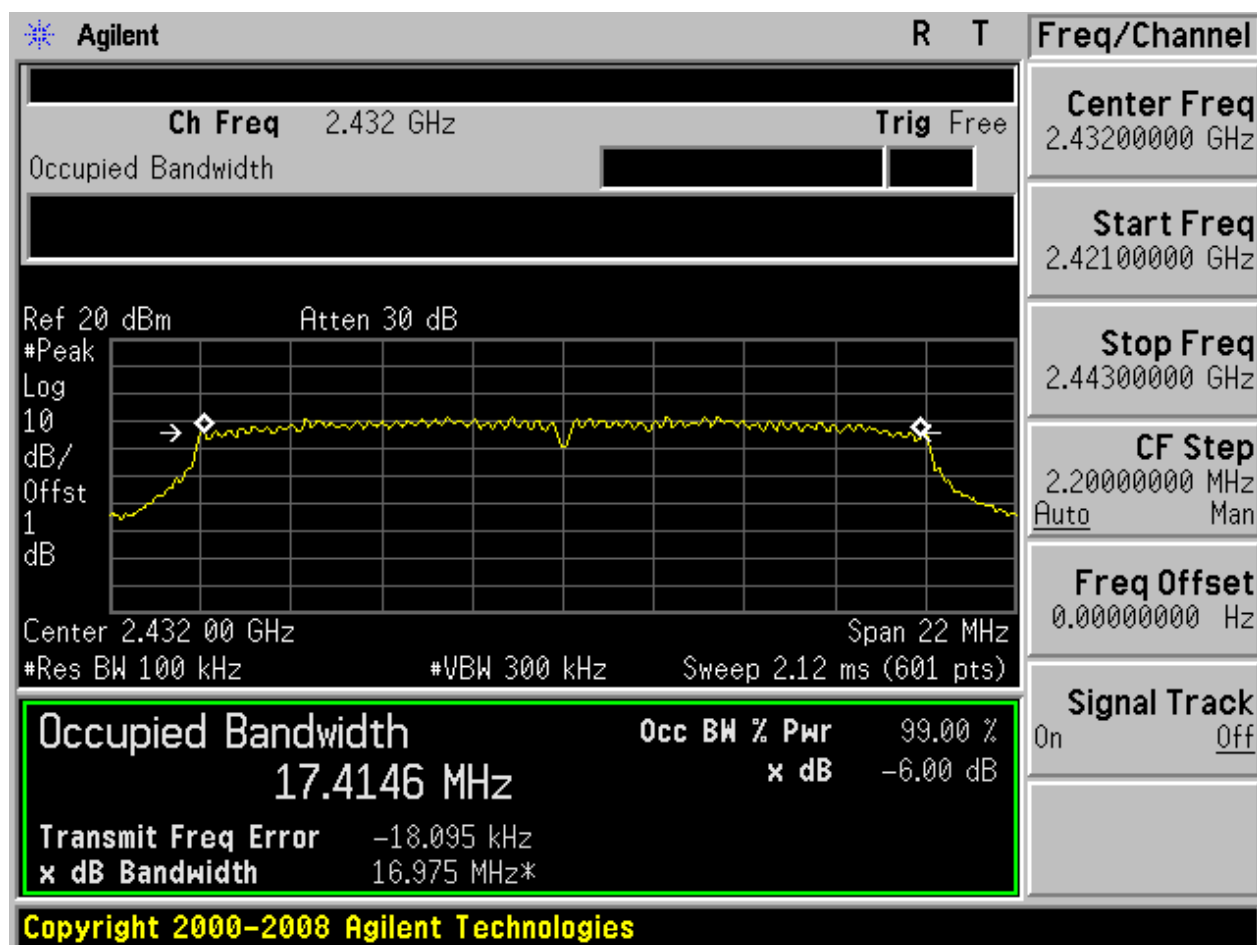




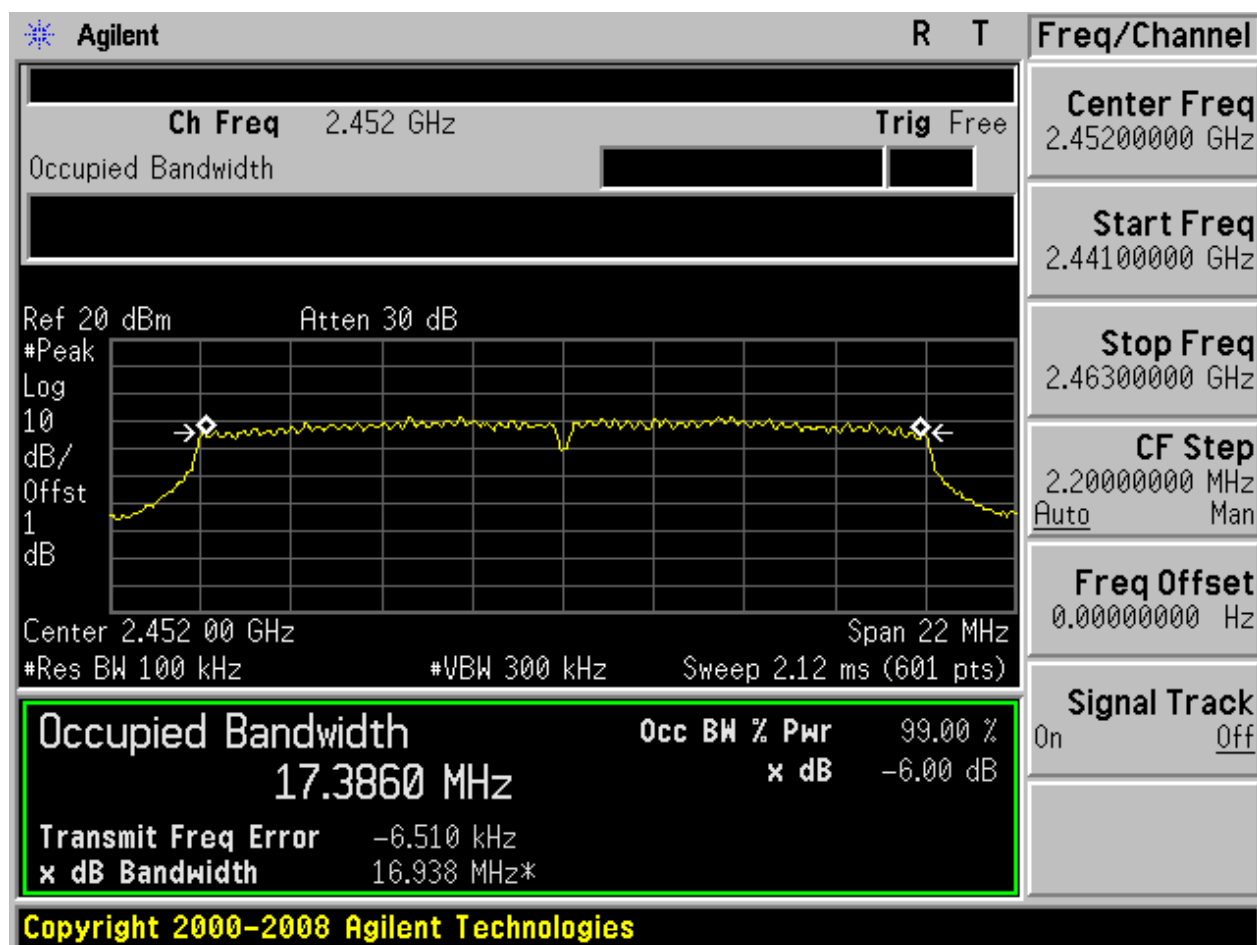
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2.16 11N20_M@Ant 2

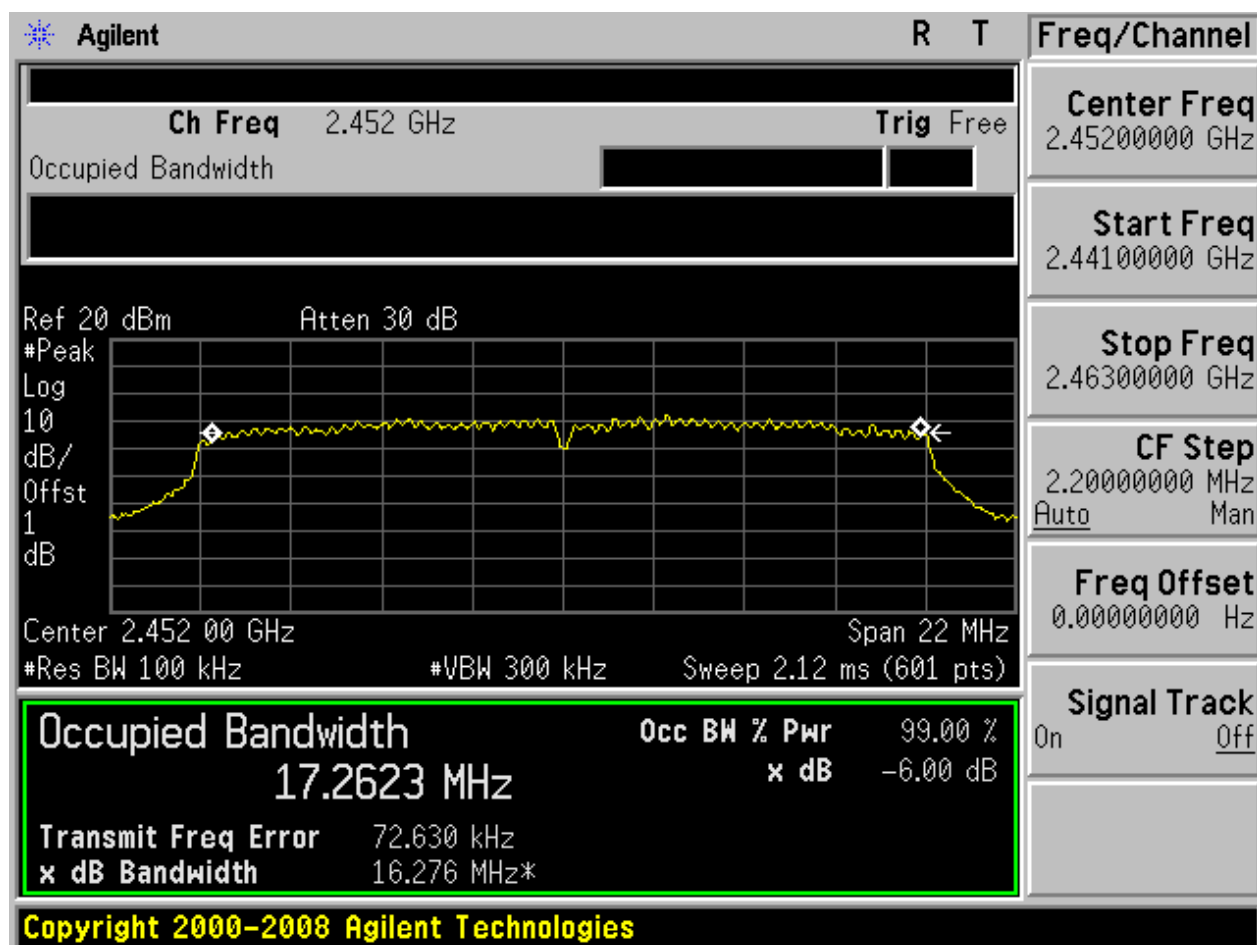


2.17 11N20_H@Ant 1



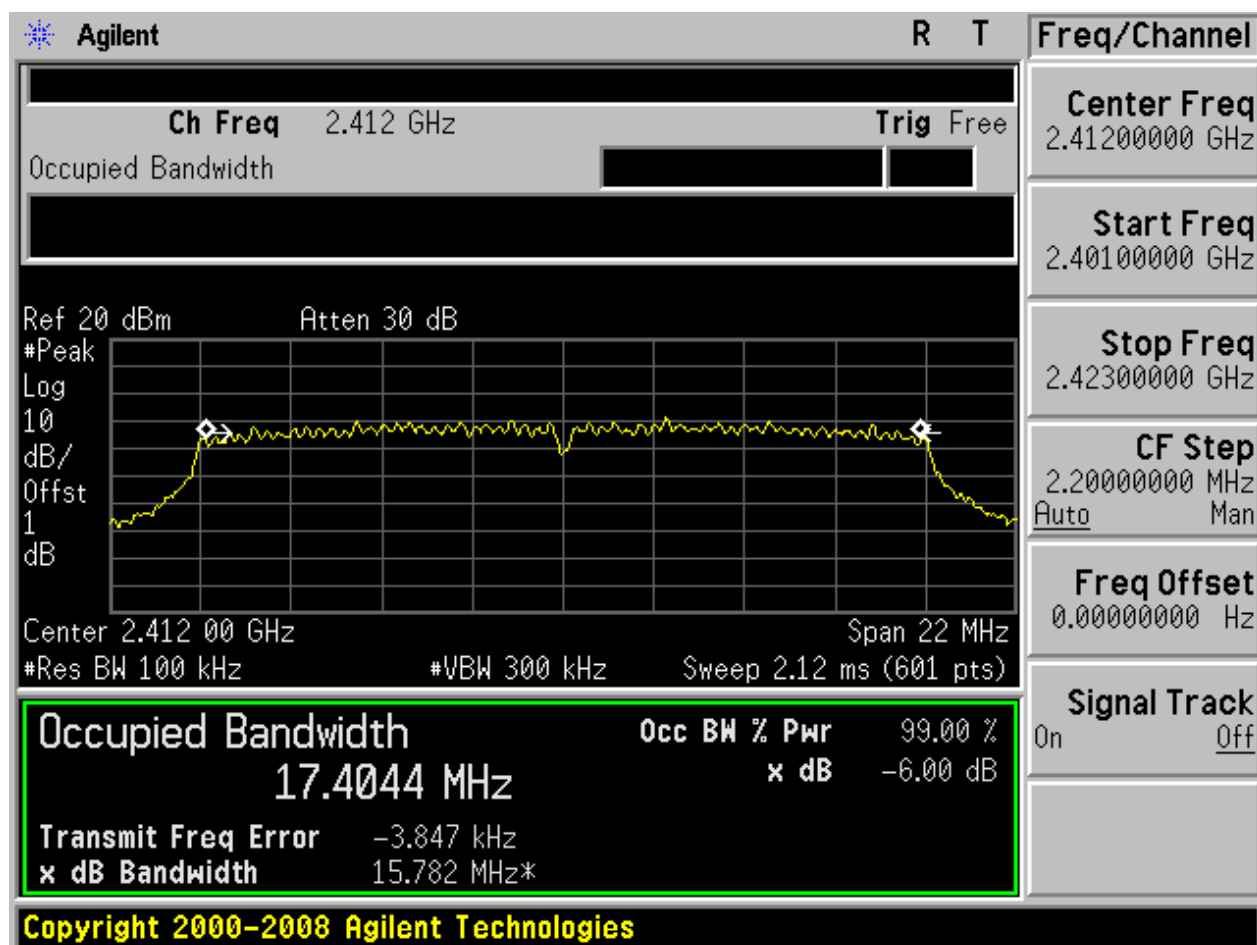


2.18 11N20_H@Ant 2

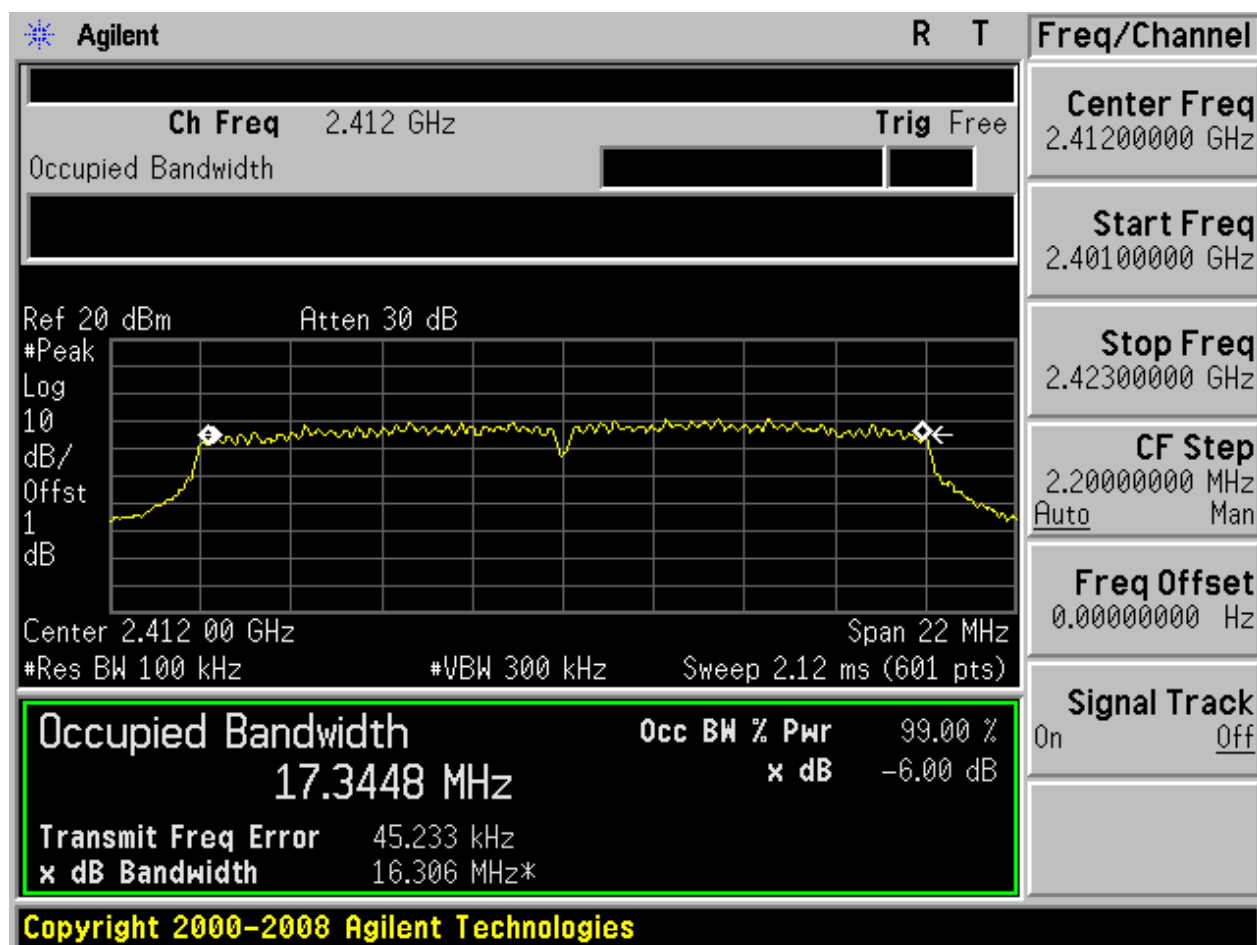




2.19 11N20m_L@Ant 1

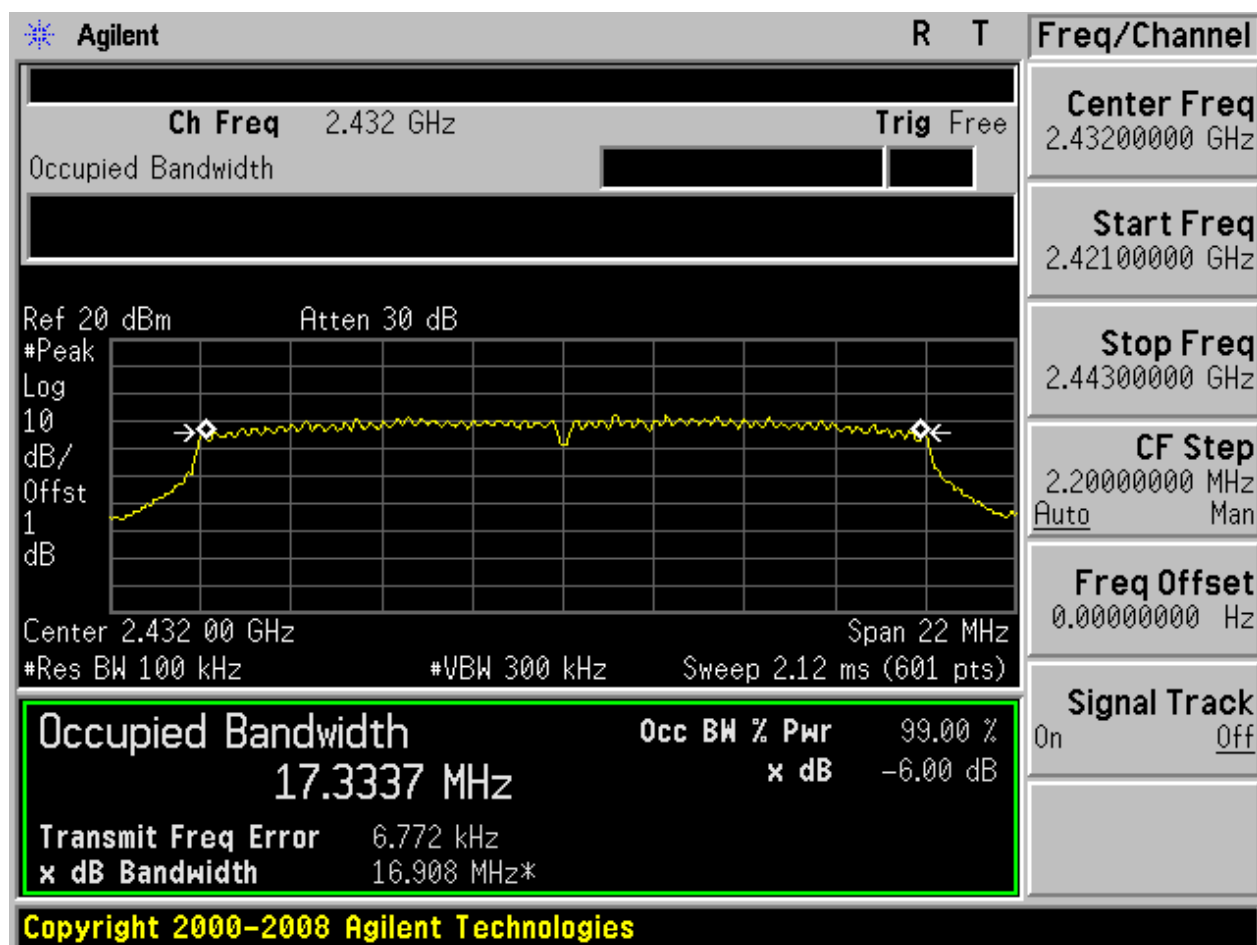


2.20 11N20m_L@Ant 2



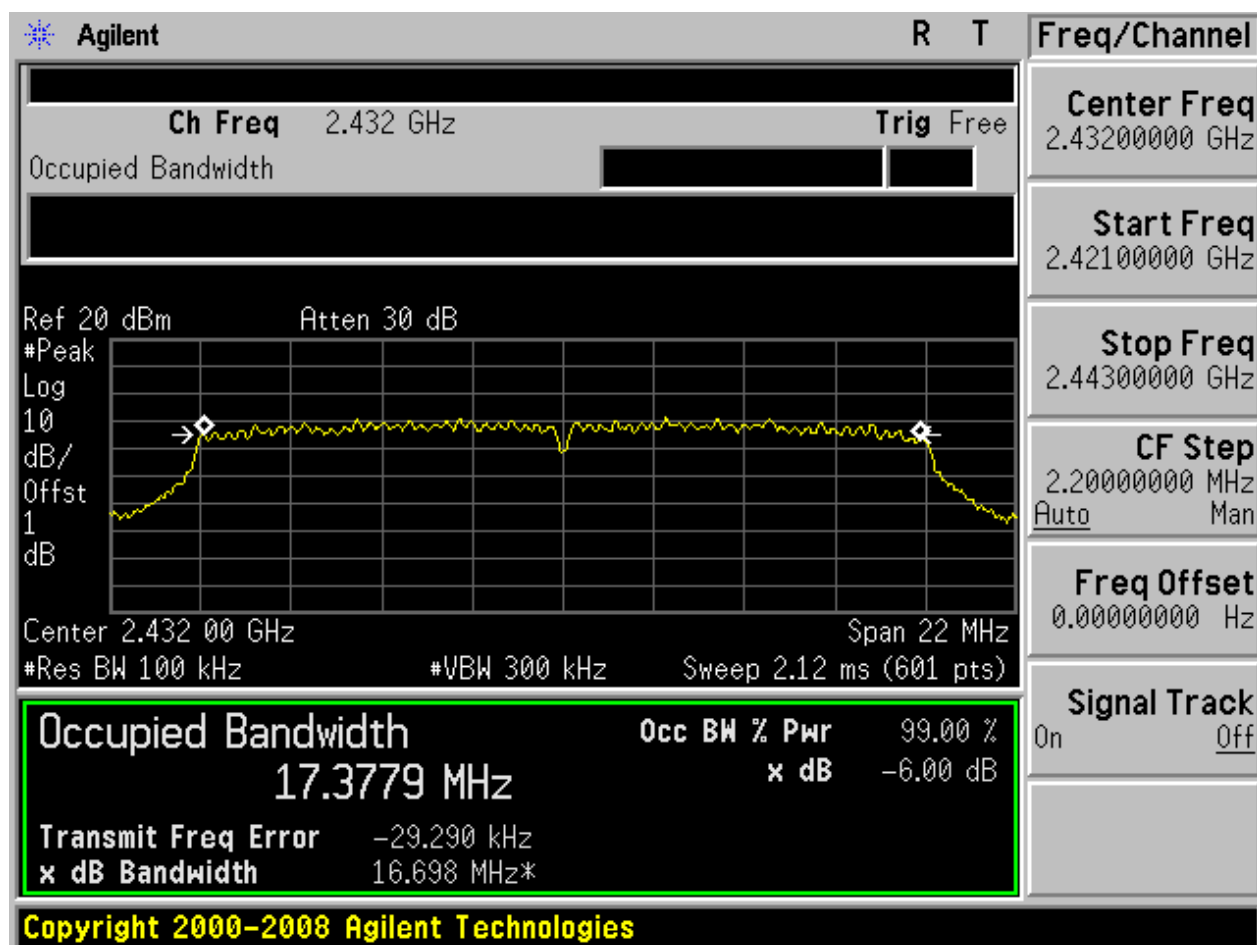


2.21 11N20m_M@Ant 1



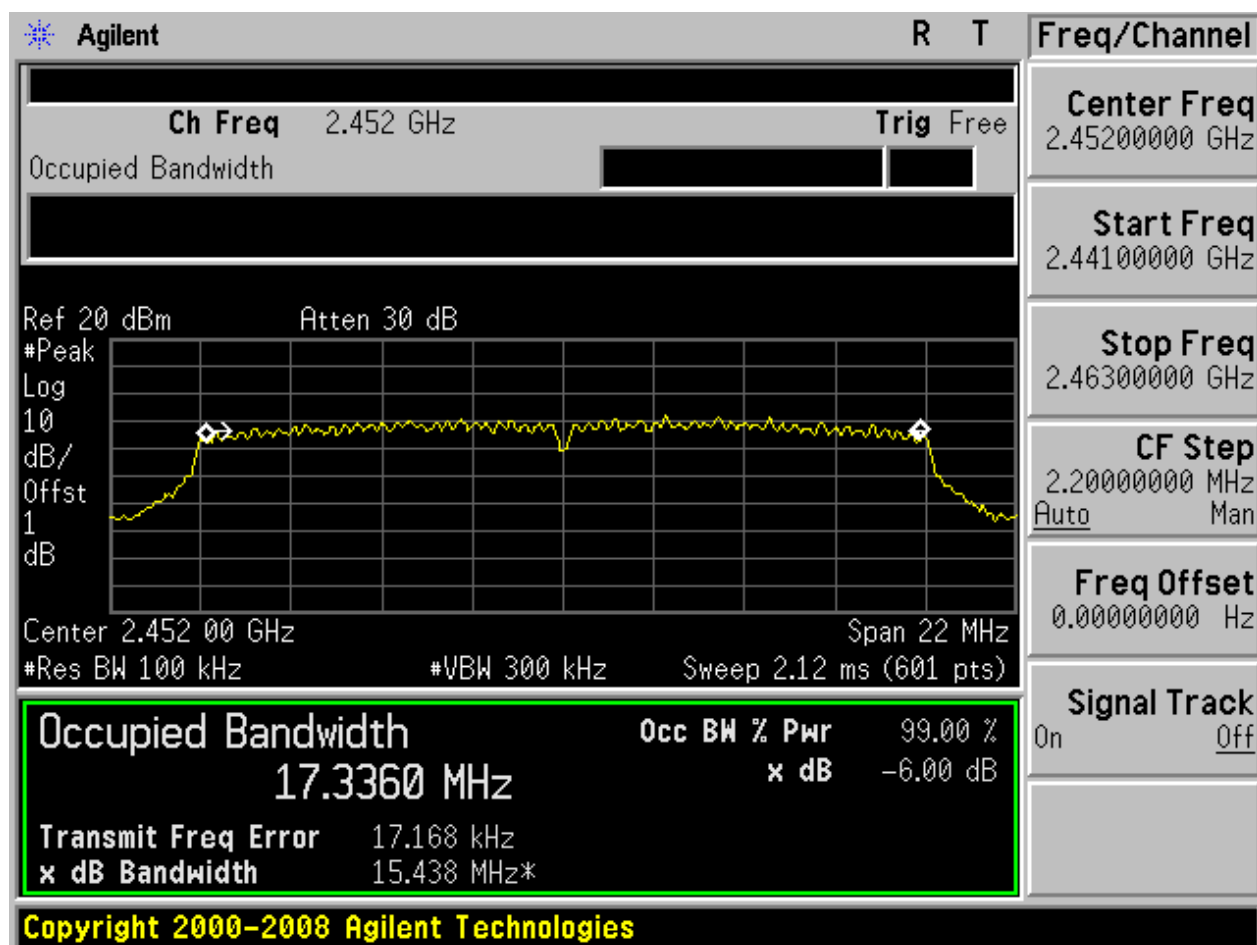


2.22 11N20m_M@Ant 2

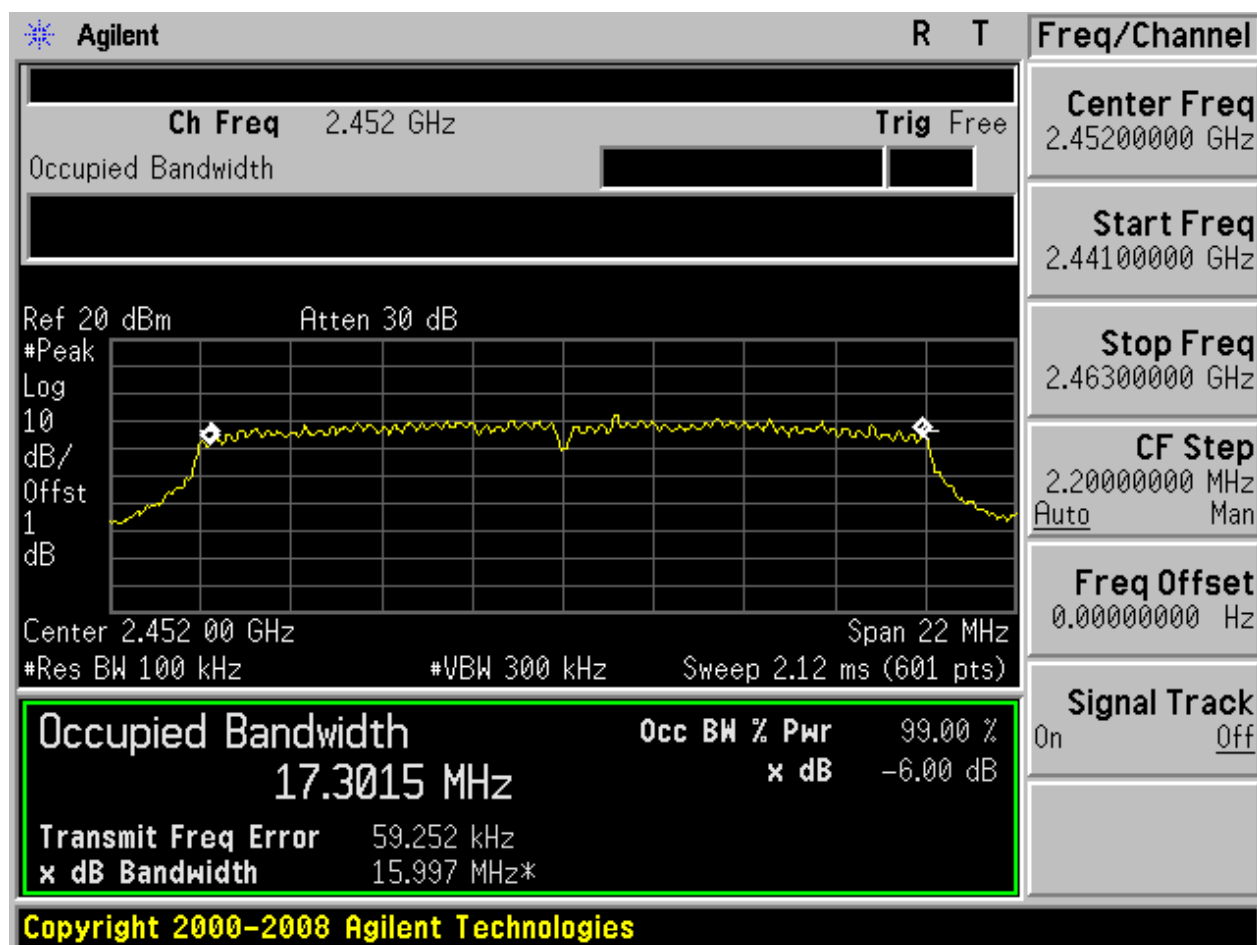




2.23 11N20m_H@Ant 1

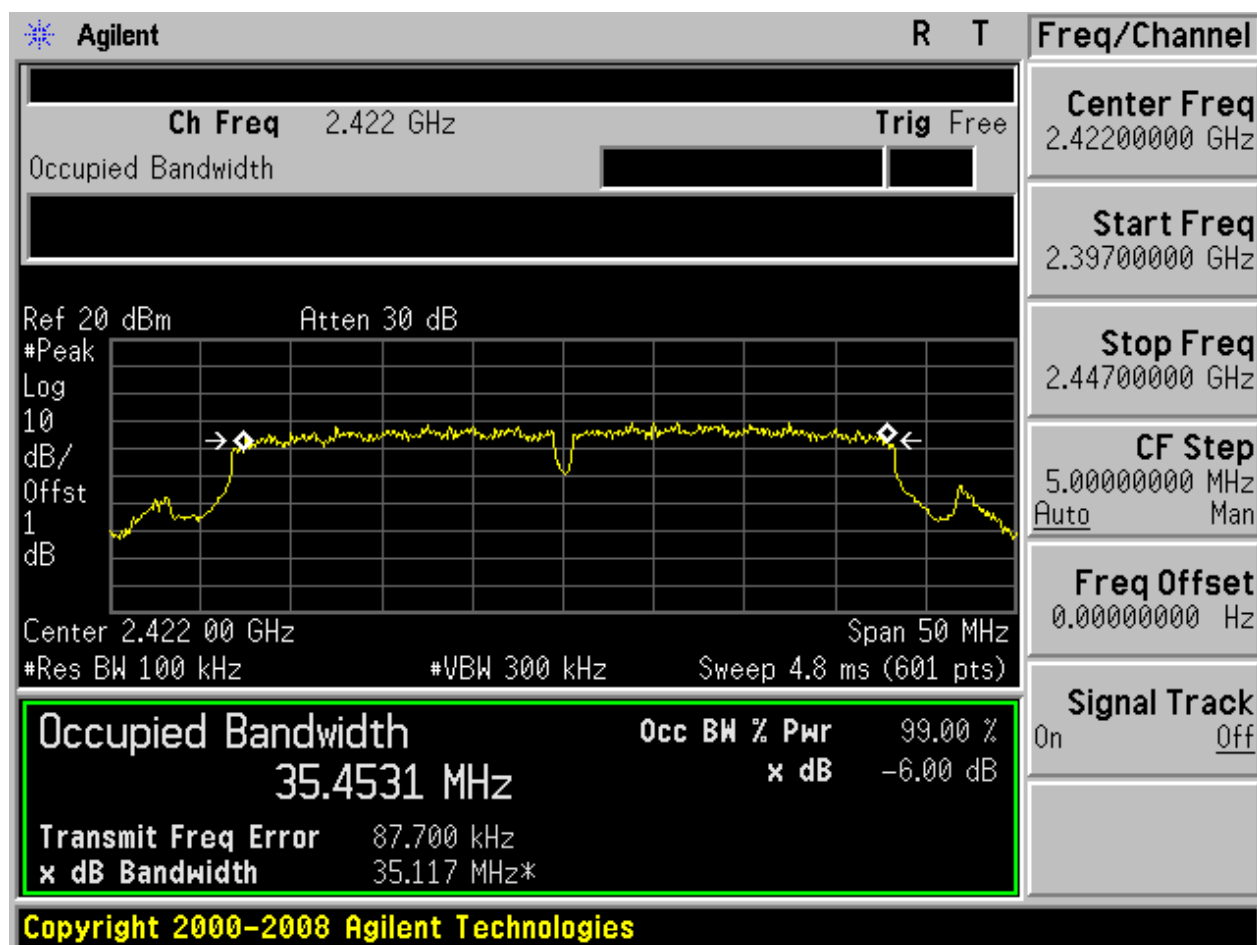


2.24 11N20m_H@Ant 2



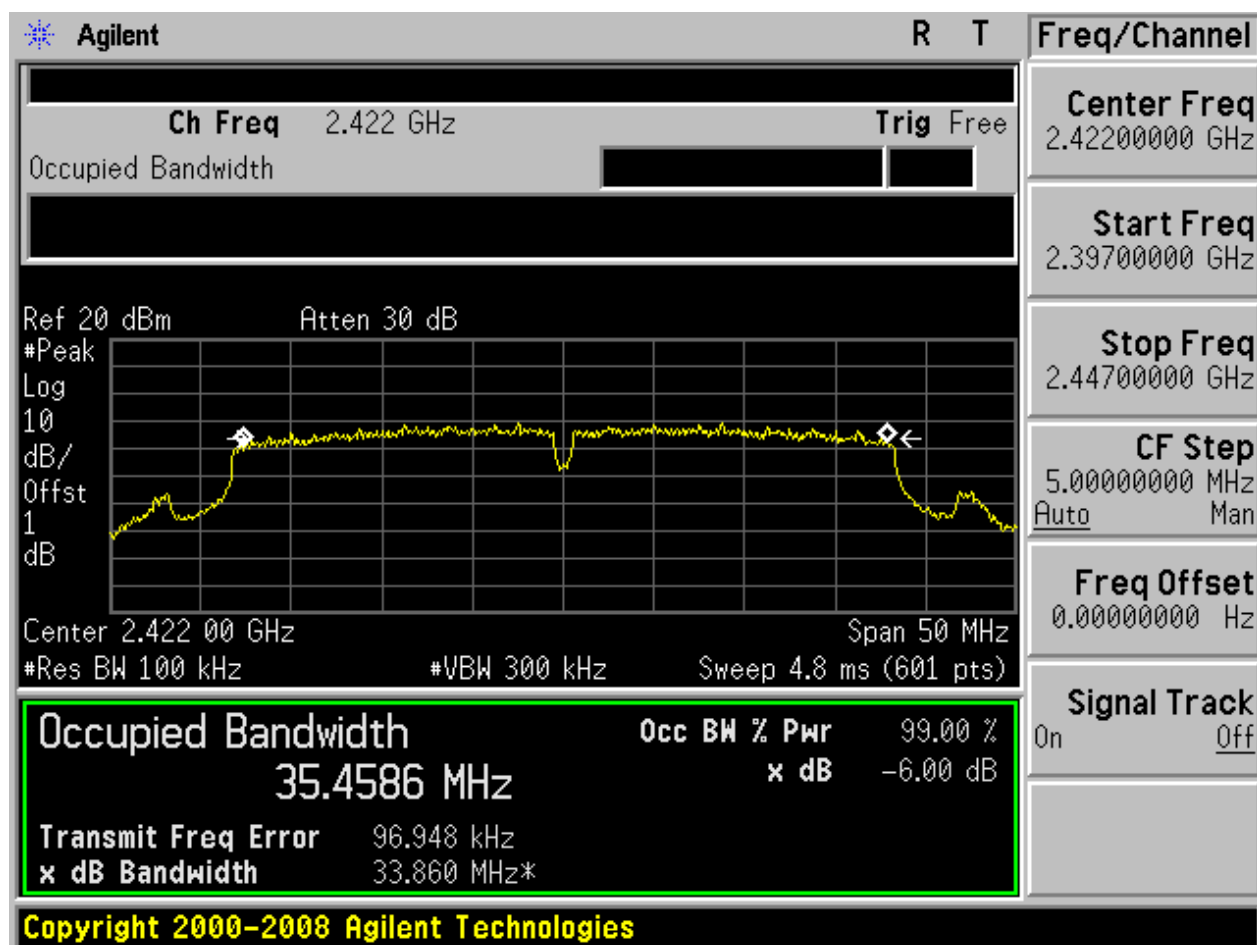


2.25 11N40_L@Ant 1

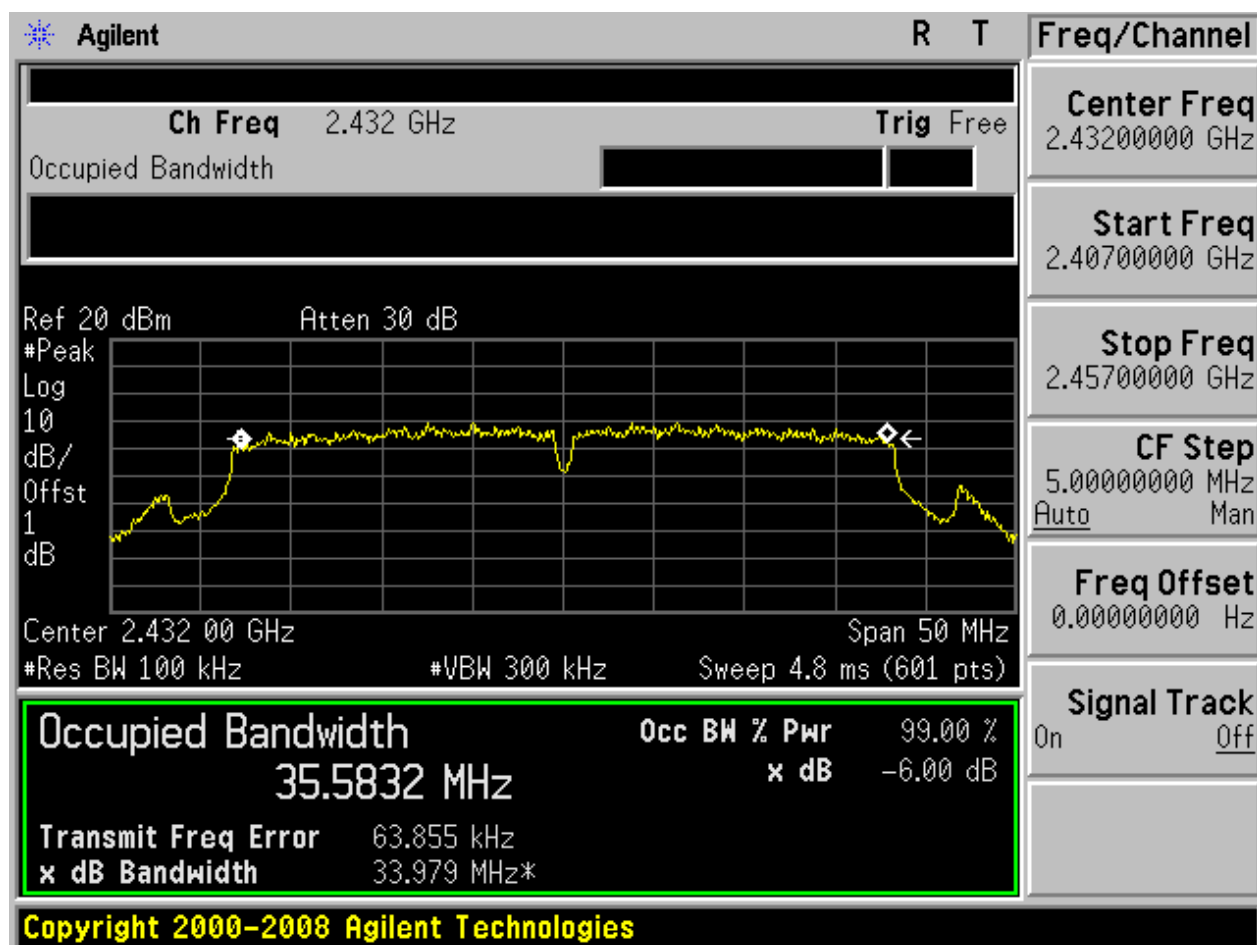




2.26 11N40_L@Ant 2

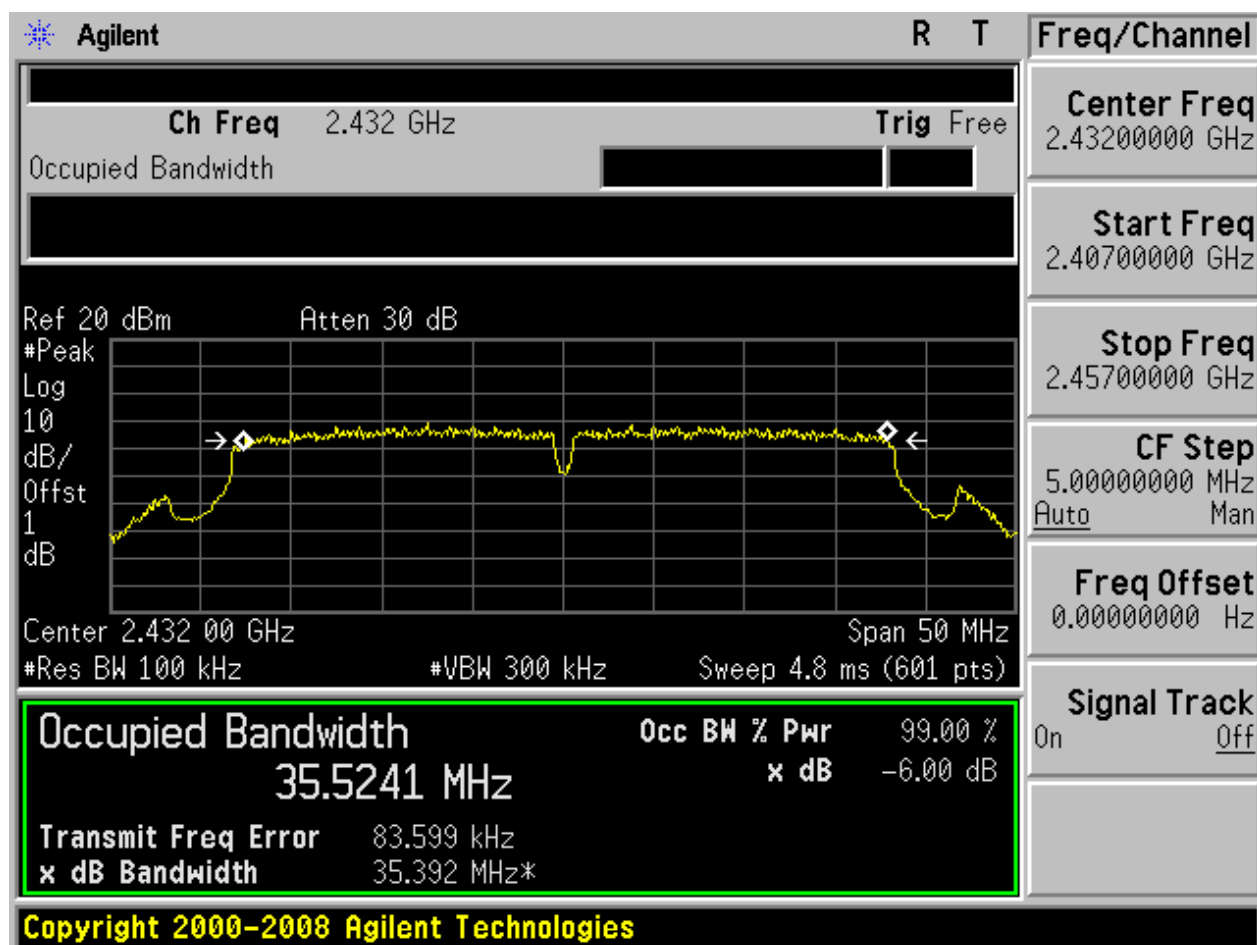


2.27 11N40_M@Ant 1



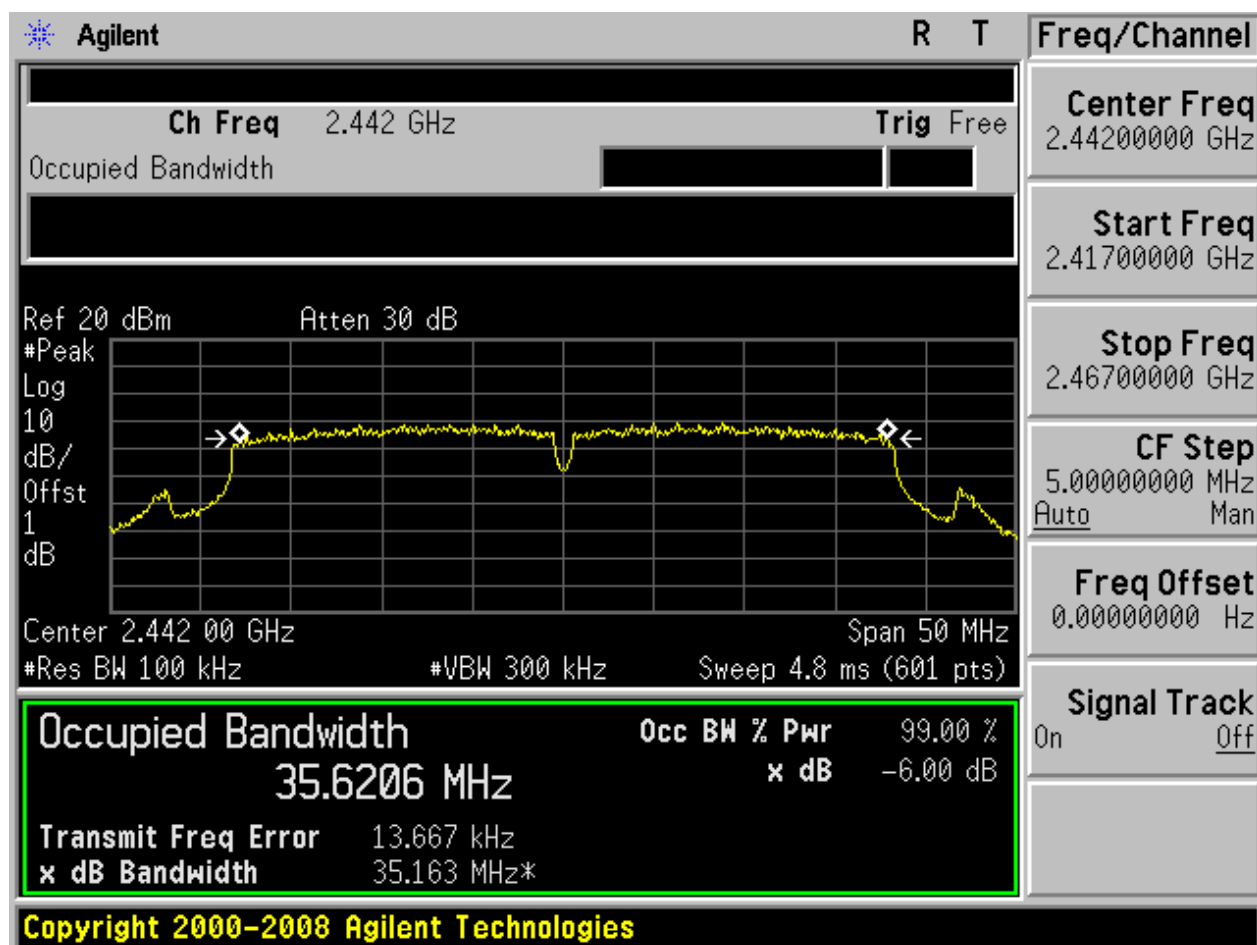


2.28 11N40_M@Ant 2

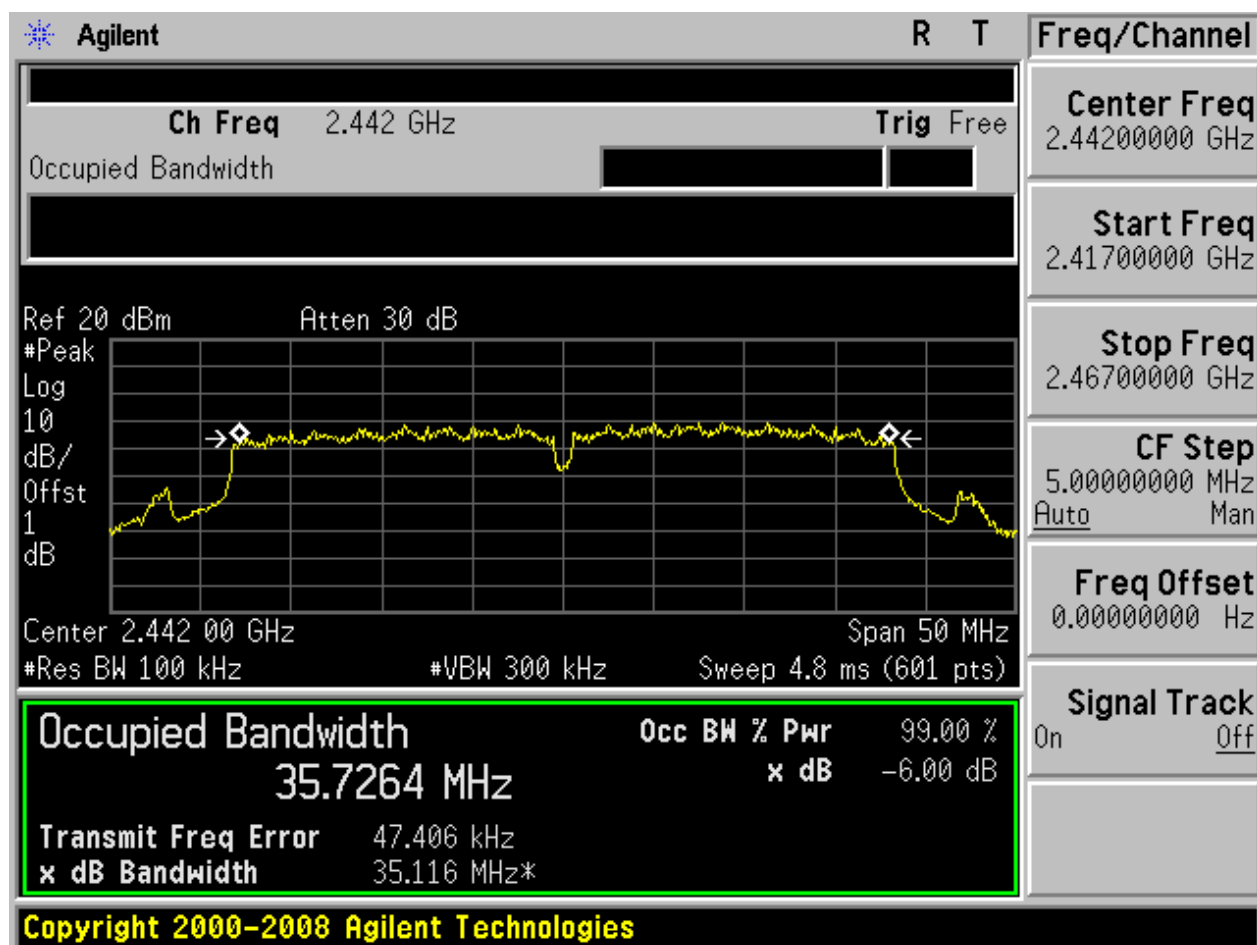




2.29 11N40_H@Ant 1

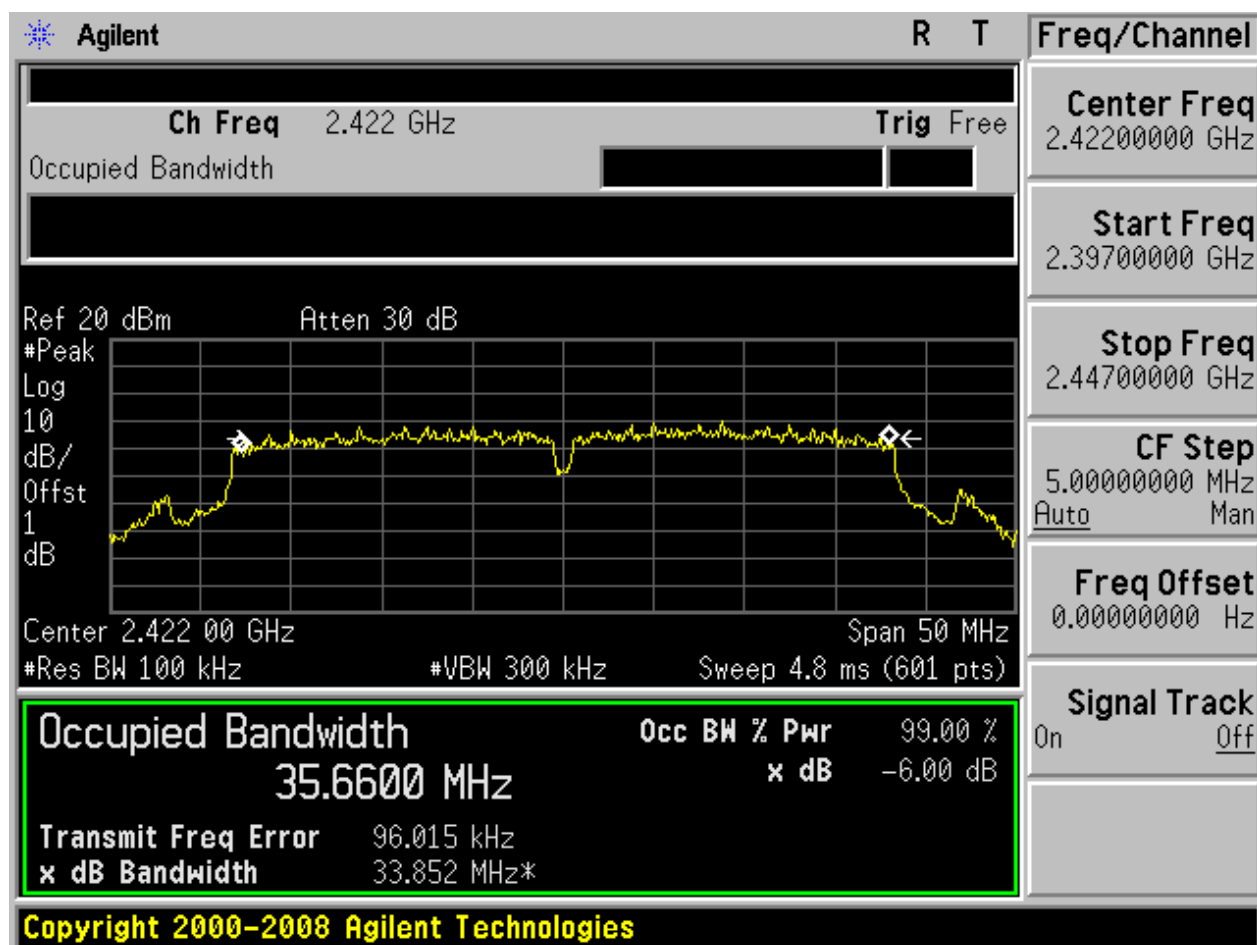


2.30 11N40_H@Ant 2

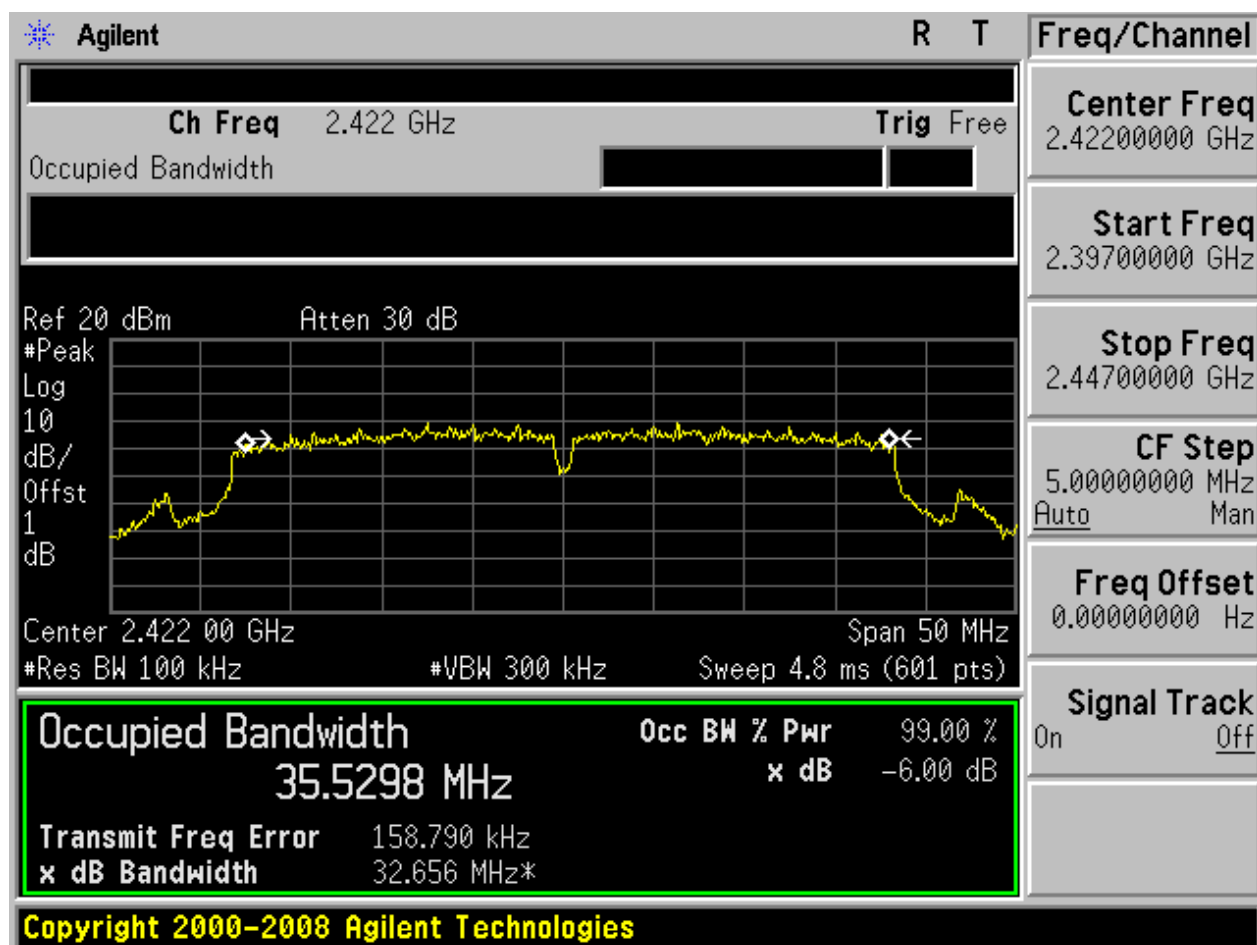




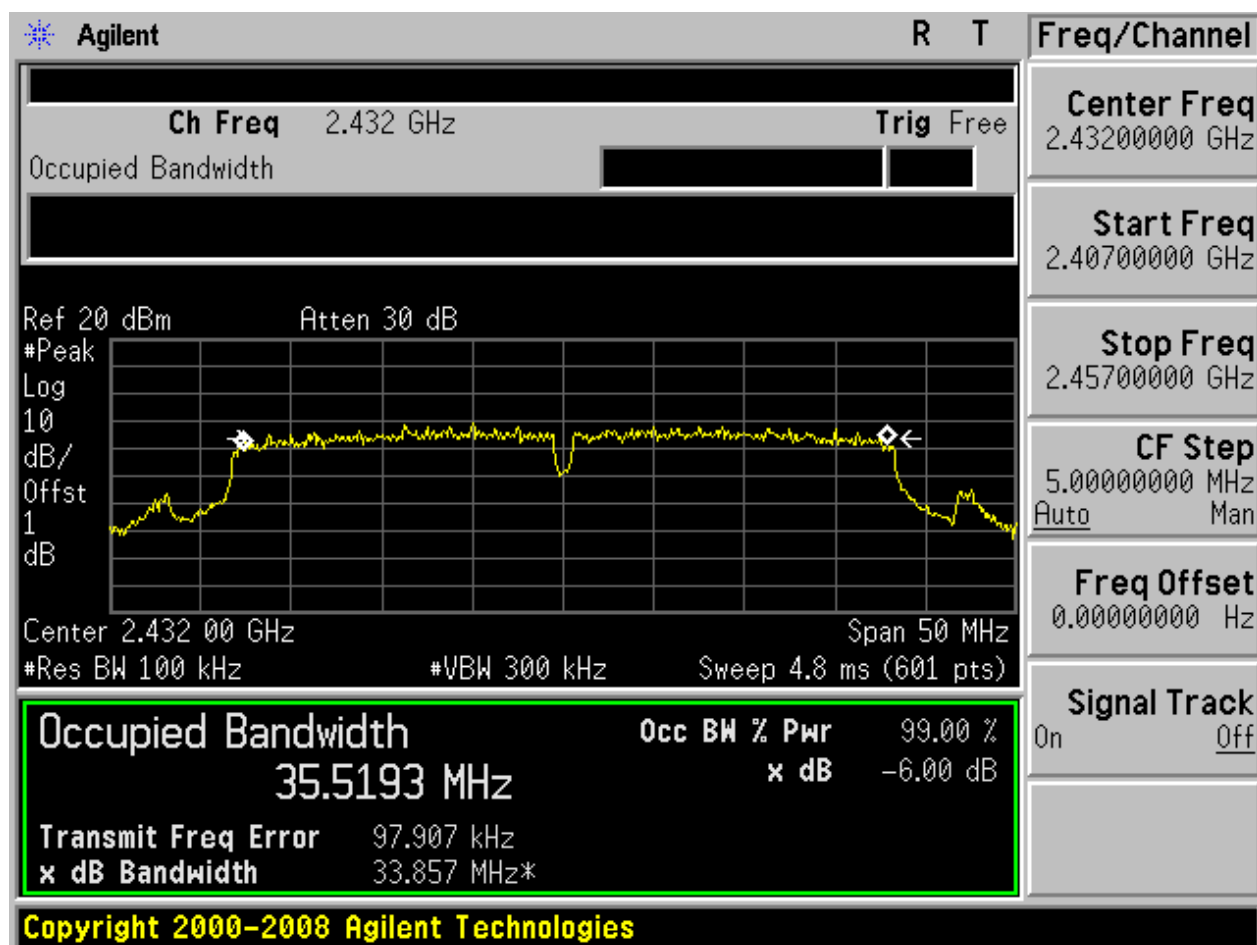
2.31 11N40m_L@Ant 1



2.32 11N40m_L@Ant 2

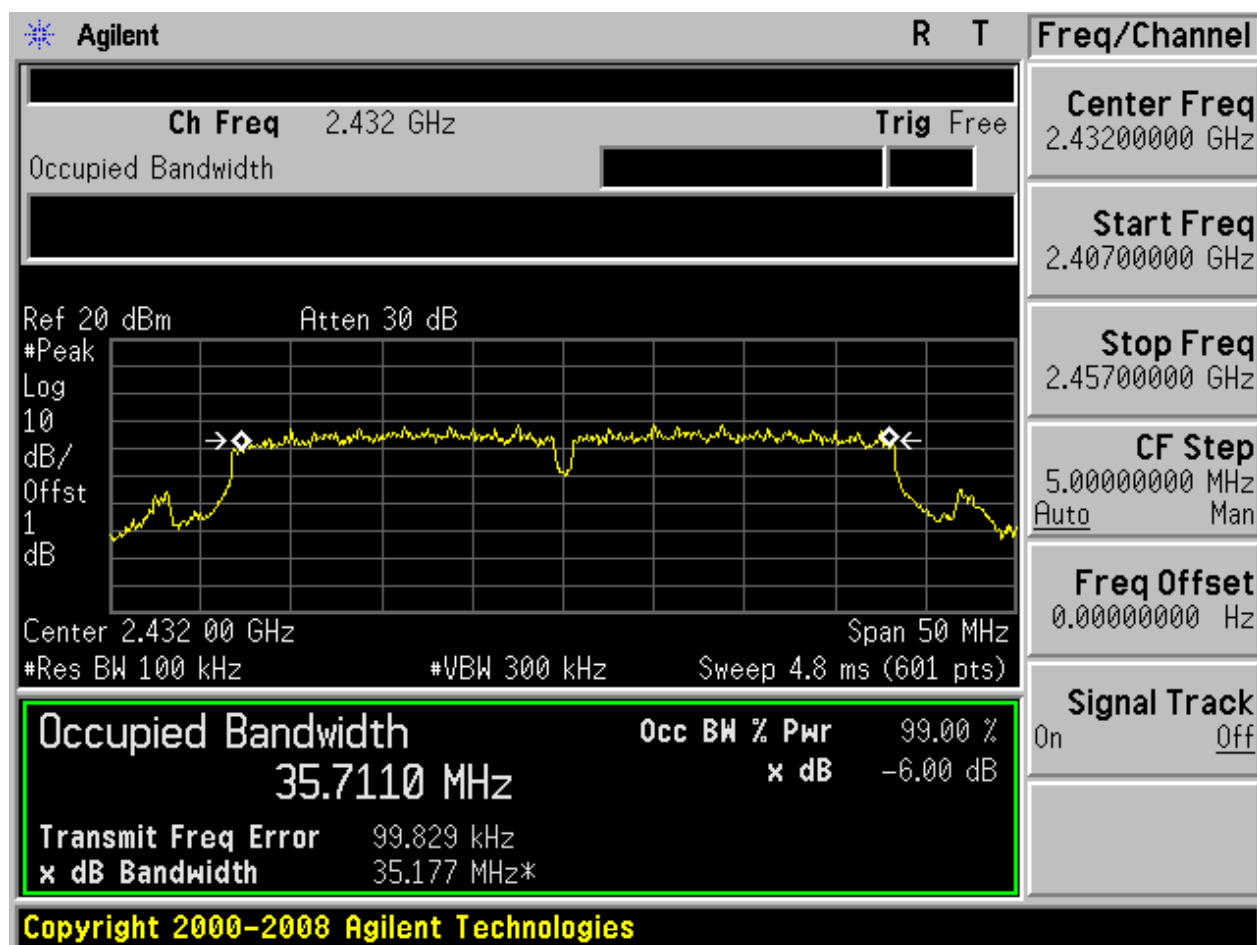


2.33 11N40m_M@Ant 1



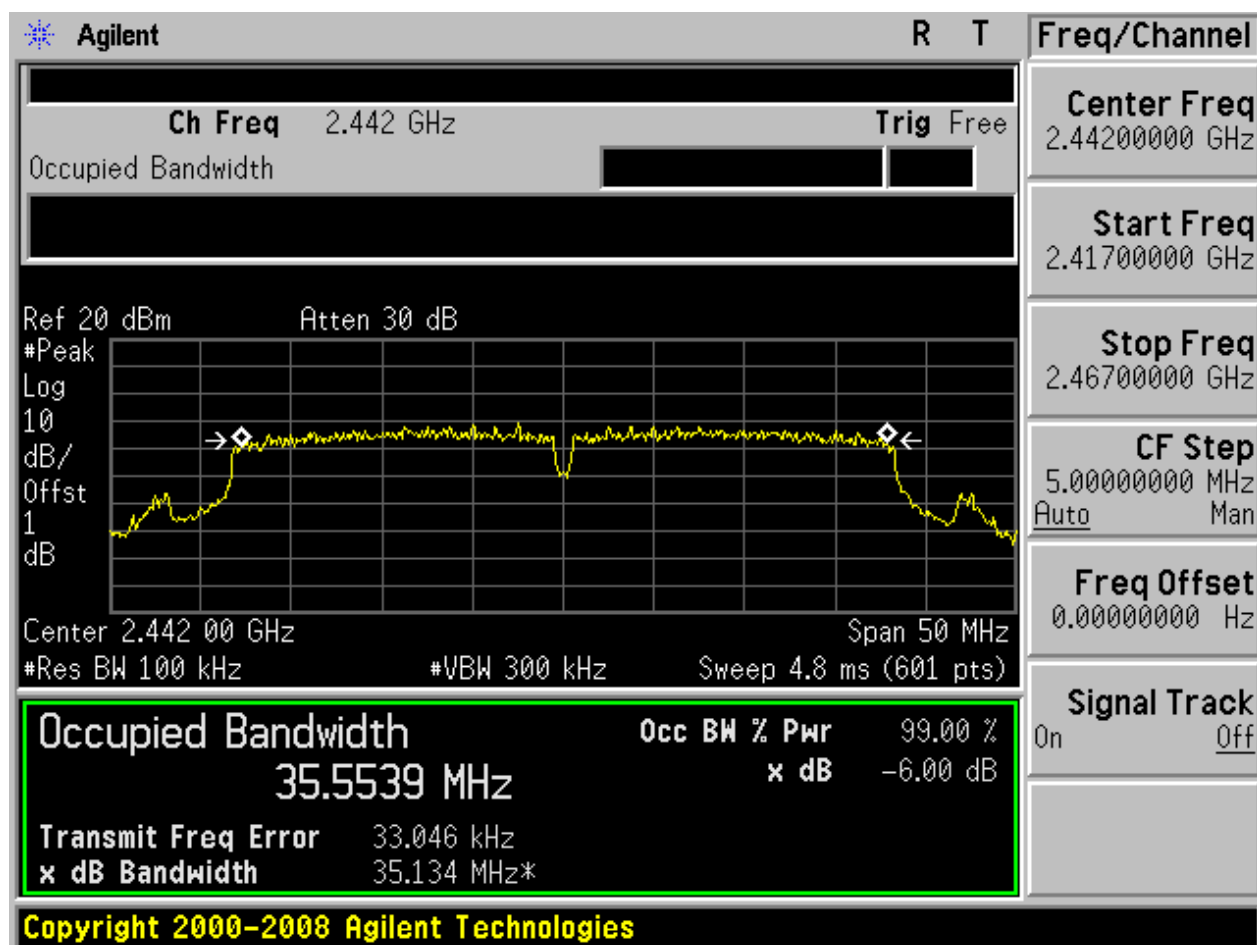


2.34 11N40m_M@Ant 2

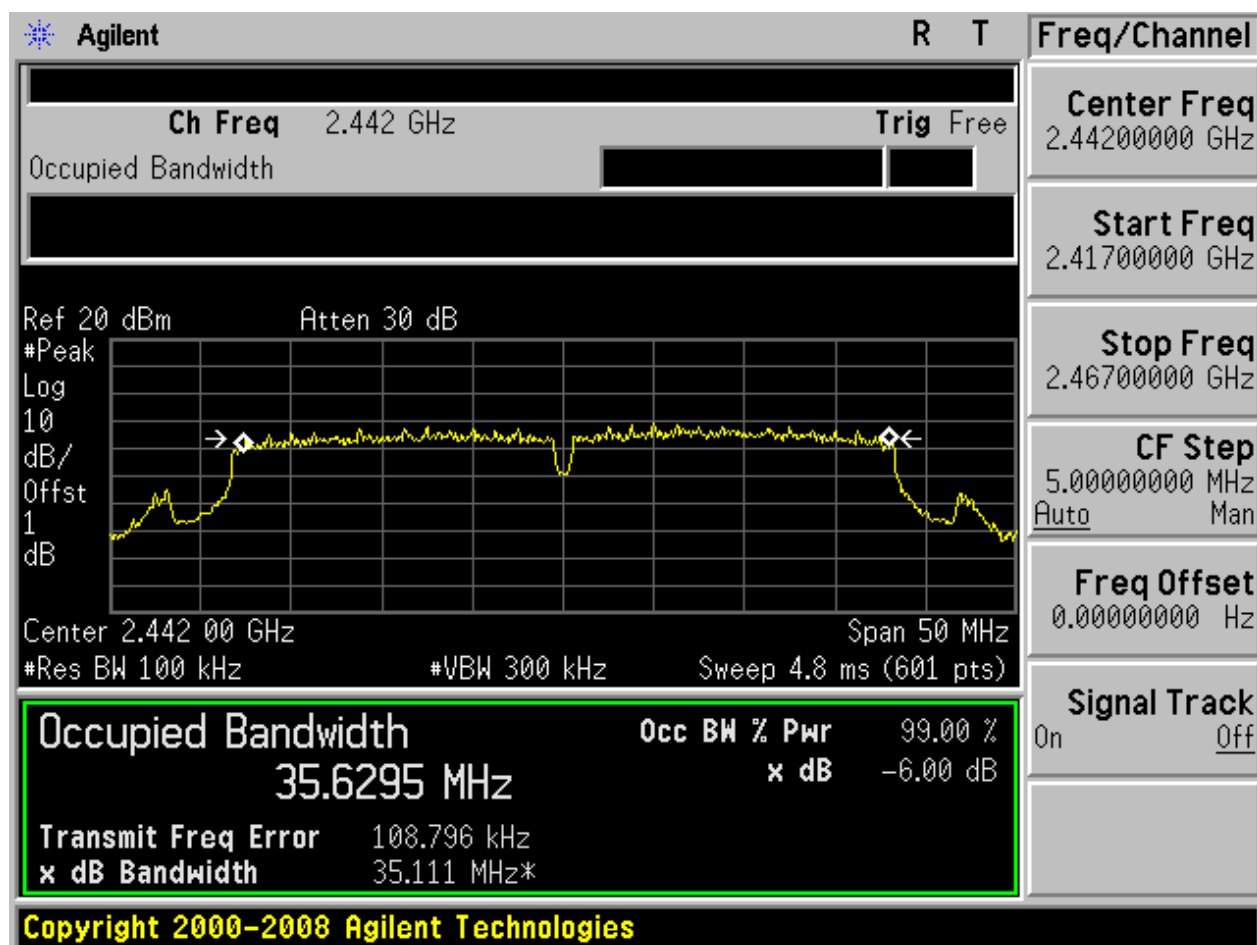




2.35 11N40m_H@Ant 1



2.36 11N40m_H@Ant 2



Appendix B: Maximum Peak Power

Test Mode	Test Channel	Frequency[MHz]	Ant	Power[MHz]	Verdict
11B	L	2412	Ant 1	19.42	pass
11B	L	2412	Ant 2	19.07	pass
11B	M	2432	Ant 1	20.01	pass
11B	M	2432	Ant 2	19.46	pass
11B	H	2452	Ant 1	20.23	pass
11B	H	2452	Ant 2	19.54	pass
11G	L	2412	Ant 1	19.45	pass
11G	L	2412	Ant 2	19.36	pass
11G	M	2432	Ant 1	20.15	pass
11G	M	2432	Ant 2	19.79	pass
11G	H	2452	Ant 1	20.04	pass
11G	H	2452	Ant 2	19.62	pass
11N20	L	2412	Ant 1	18.02	pass
11N20	L	2412	Ant 2	18.27	pass
11N20	M	2432	Ant 1	18.72	pass
11N20	M	2432	Ant 2	18.76	pass
11N20	H	2452	Ant 1	19.12	pass
11N20	H	2452	Ant 2	18.76	pass
11N20m	L	2412	Ant 1	18.14	pass
11N20m	L	2412	Ant 2	18.07	pass
11N20m	L	2412	Sum	21.12	pass
11N20m	M	2432	Ant 1	18.95	pass
11N20m	M	2432	Ant 2	18.46	pass
11N20m	M	2432	Sum	21.72	pass
11N20m	H	2452	Ant 1	18.63	pass
11N20m	H	2452	Ant 2	18.66	pass
11N20m	H	2452	Sum	21.66	pass
11N40	L	2422	Ant 1	18.72	pass
11N40	L	2422	Ant 2	18.86	pass
11N40	M	2432	Ant 1	18.87	pass
11N40	M	2432	Ant 2	18.83	pass
11N40	H	2442	Ant 1	18.77	pass
11N40	H	2442	Ant 2	18.72	pass
11N40m	L	2422	Ant 1	18.56	pass
11N40m	L	2422	Ant 2	18.62	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	Power[MHz]	Verdict
11N40m	L	2422	Sum	21.60	pass
11N40m	M	2432	Ant 1	18.88	pass
11N40m	M	2432	Ant 2	18.57	pass
11N40m	M	2432	Sum	21.74	pass
11N40m	H	2442	Ant 1	18.74	pass
11N40m	H	2442	Ant 2	18.56	pass
11N40m	H	2442	Sum	21.66	pass

Appendix C: Maximum Power Spectral Density Level

Part I - Test Results

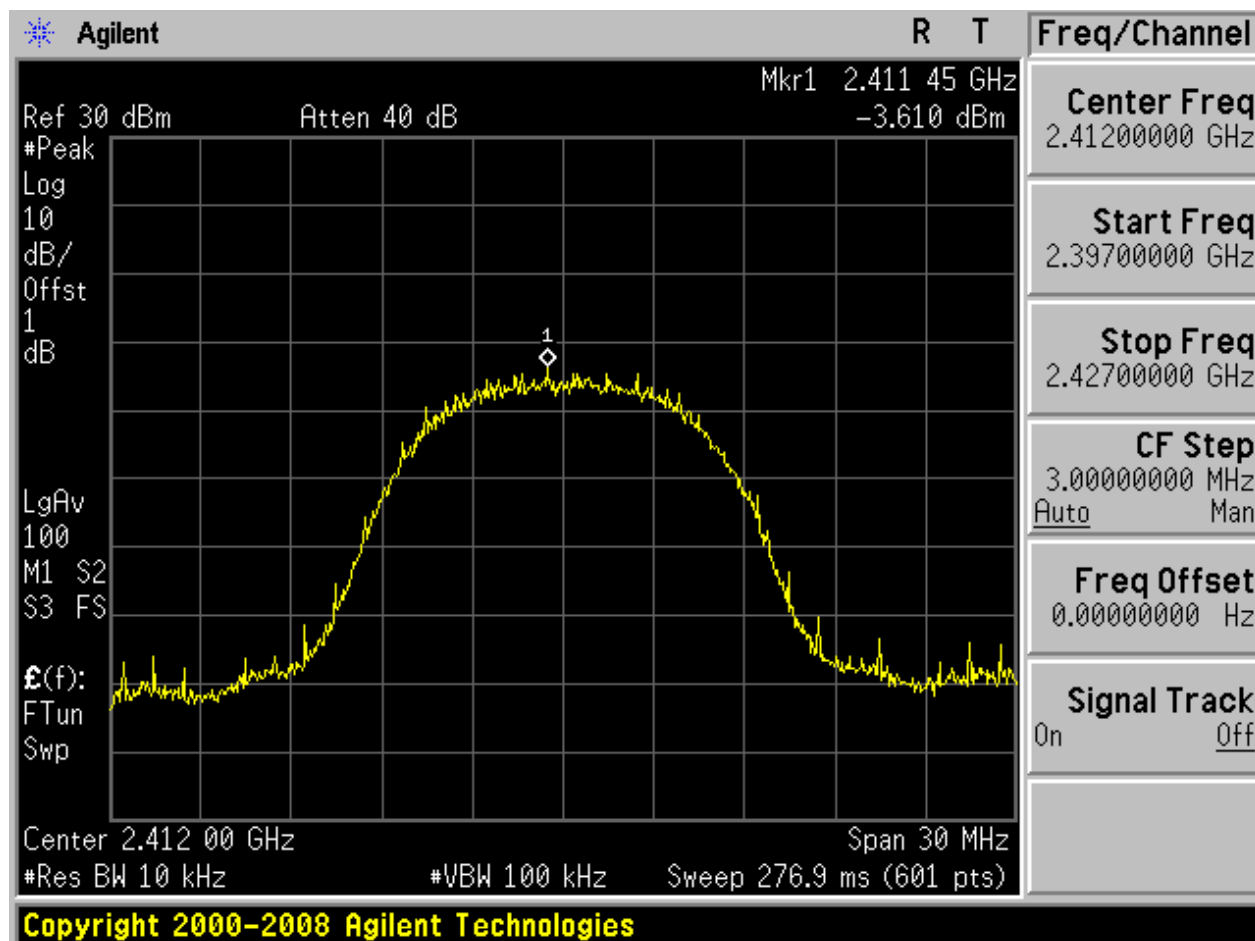
Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11B	L	2412	Ant 1	-3.61	pass
11B	L	2412	Ant 2	-3.86	pass
11B	M	2432	Ant 1	-2.55	pass
11B	M	2432	Ant 2	-3.73	pass
11B	H	2442	Ant 1	-2.70	pass
11B	H	2442	Ant 2	-3.55	pass
11G	L	2412	Ant 1	-8.16	pass
11G	L	2412	Ant 2	-8.55	pass
11G	M	2432	Ant 1	-7.83	pass
11G	M	2432	Ant 2	-8.24	pass
11G	H	2442	Ant 1	-7.19	pass
11G	H	2442	Ant 2	-8.21	pass
11N20	L	2412	Ant 1	-10.00	pass
11N20	L	2412	Ant 2	-8.88	pass
11N20	M	2432	Ant 1	-8.00	pass
11N20	M	2432	Ant 2	-9.18	pass
11N20	H	2442	Ant 1	-9.69	pass
11N20	H	2442	Ant 2	-8.14	pass
11N20m	L	2412	Ant 1	-10.13	pass
11N20m	L	2412	Ant 2	-9.47	pass
11N20m	M	2432	Ant 1	-8.61	pass
11N20m	M	2432	Ant 2	-9.21	pass
11N20m	H	2442	Ant 1	-9.14	pass
11N20m	H	2442	Ant 2	-9.94	pass
11N40	L	2422	Ant 1	-11.30	pass
11N40	L	2422	Ant 2	-11.68	pass
11N40	M	2432	Ant 1	-11.72	pass
11N40	M	2432	Ant 2	-11.63	pass
11N40	H	2442	Ant 1	-11.47	pass
11N40	H	2442	Ant 2	-10.60	pass
11N40m	L	2422	Ant 1	-11.11	pass
11N40m	L	2422	Ant 2	-11.46	pass
11N40m	M	2432	Ant 1	-11.55	pass
11N40m	M	2432	Ant 2	-12.62	pass
11N40m	H	2442	Ant 1	-12.53	pass



Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11N40m	H	2442	Ant 2	-11.62	pass

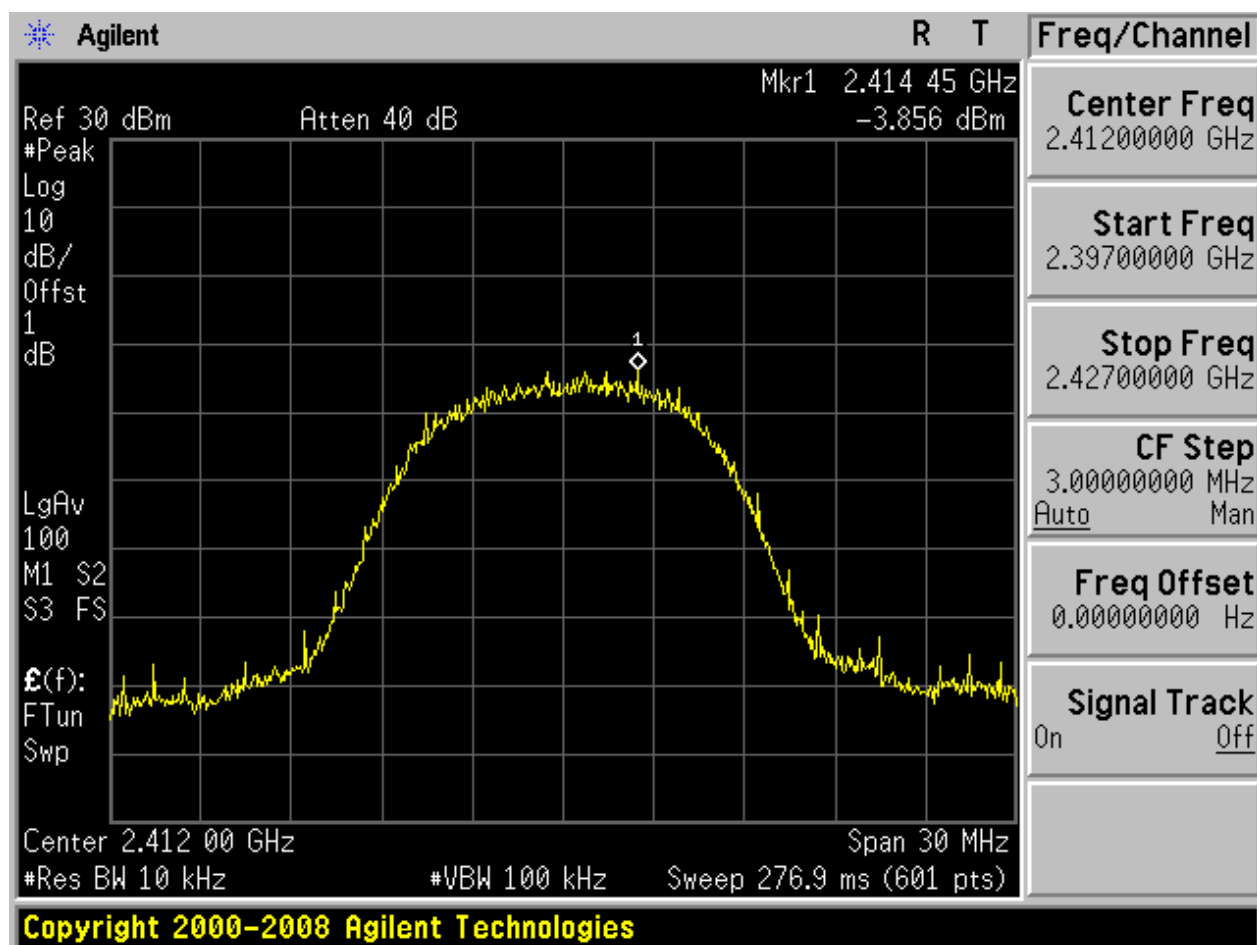
Part II - Test Plots

2.1 11B_L@Ant 1

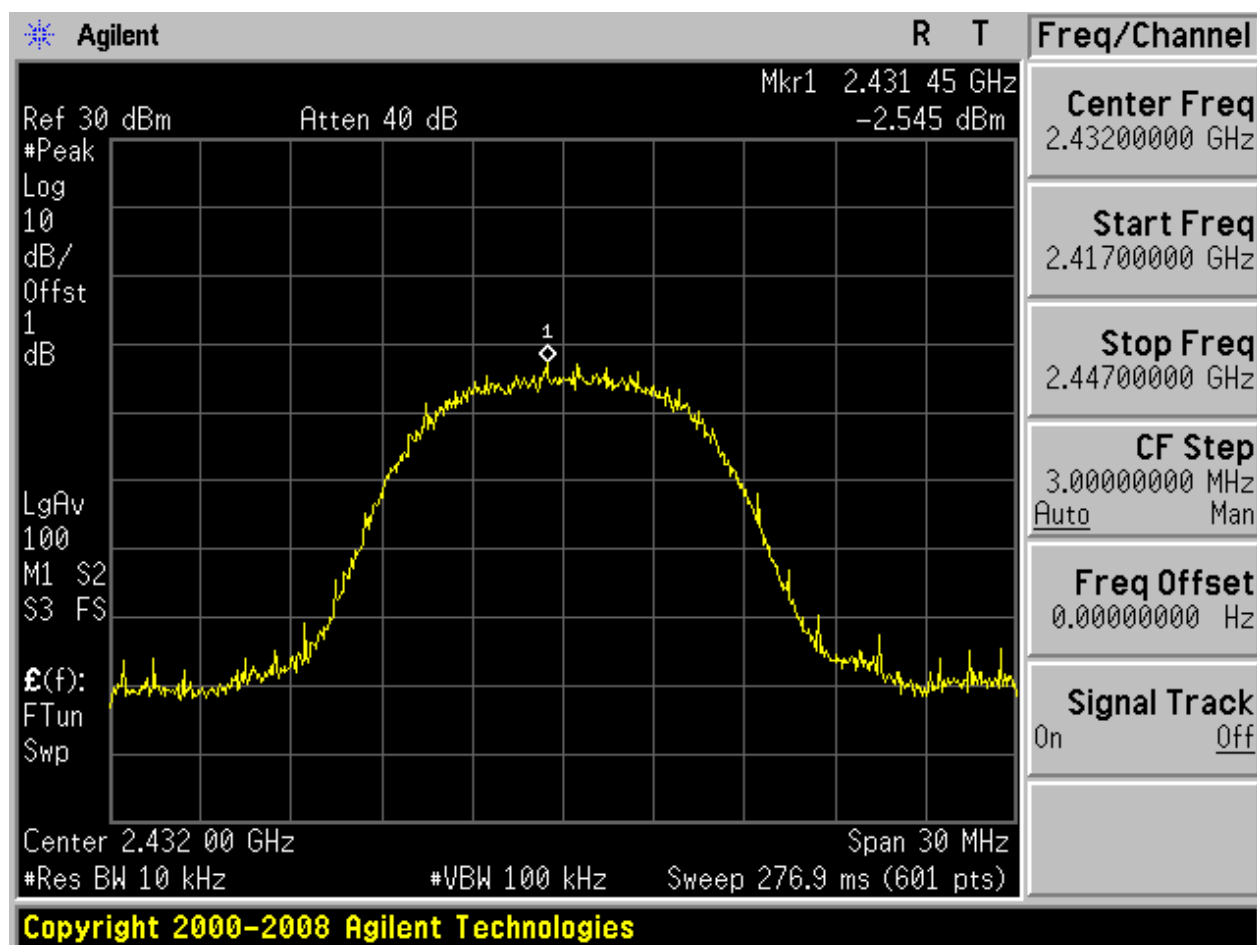




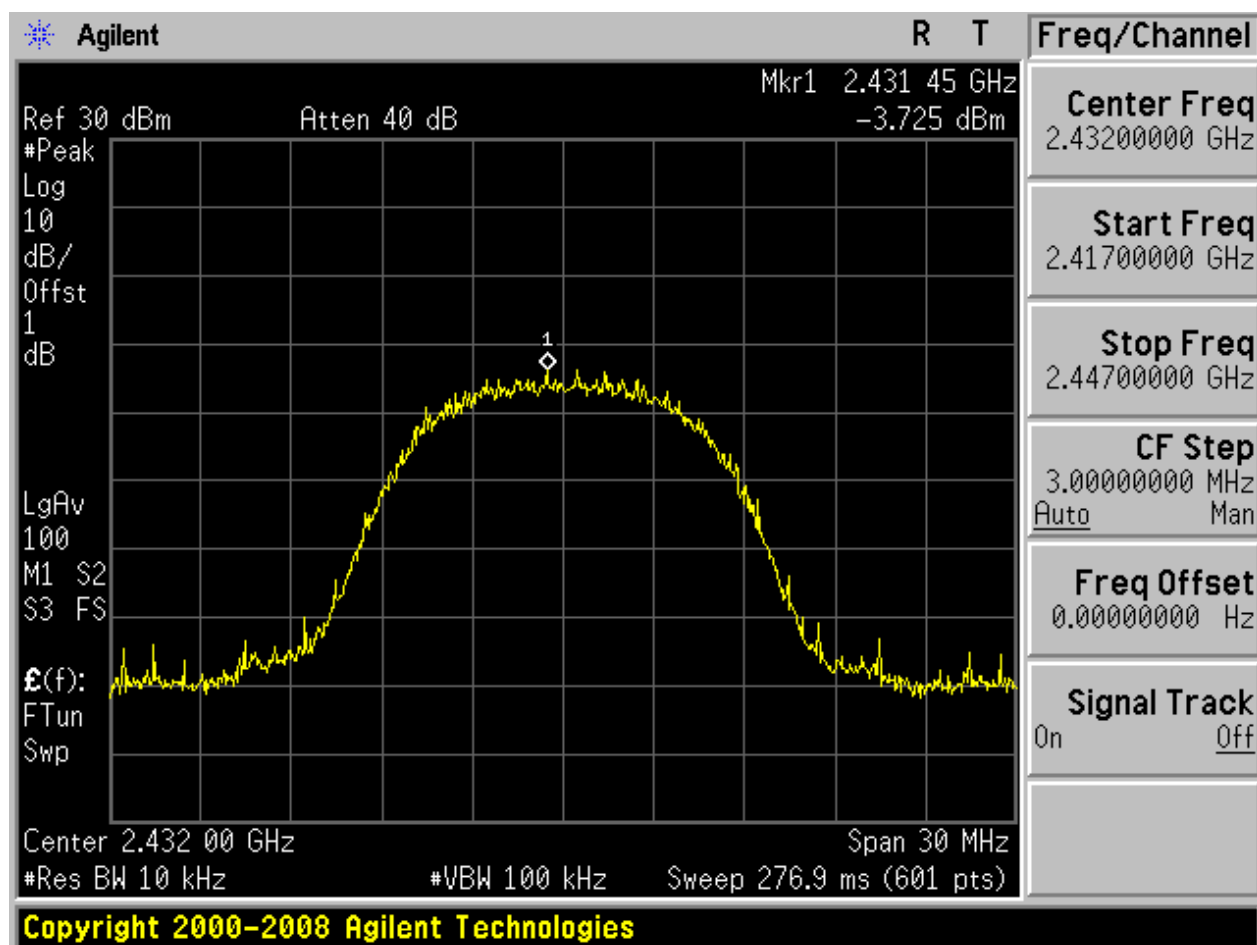
2.2 11B_L@Ant 2



2.3 11B_M@Ant 1

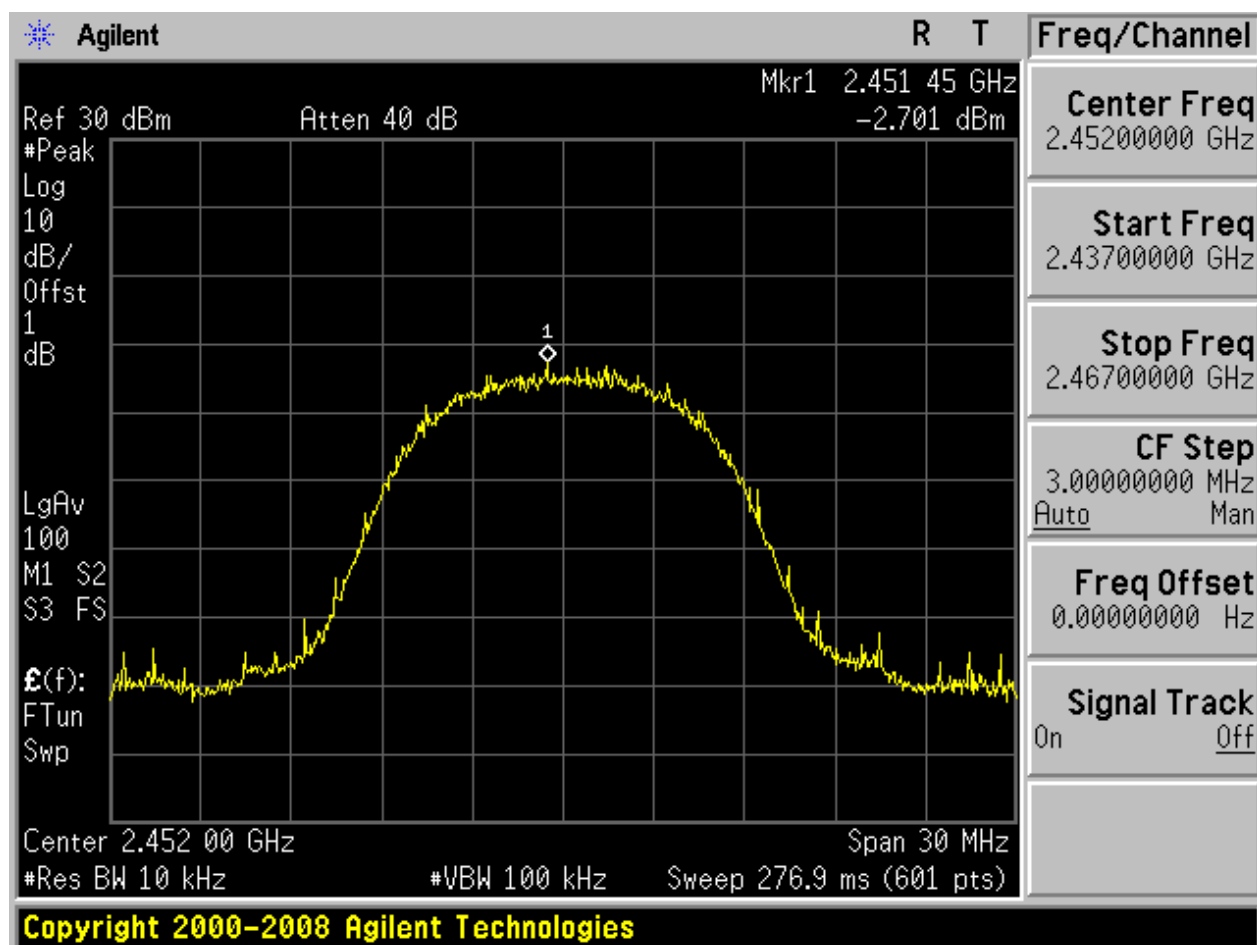


2.4 11B_M@Ant 2



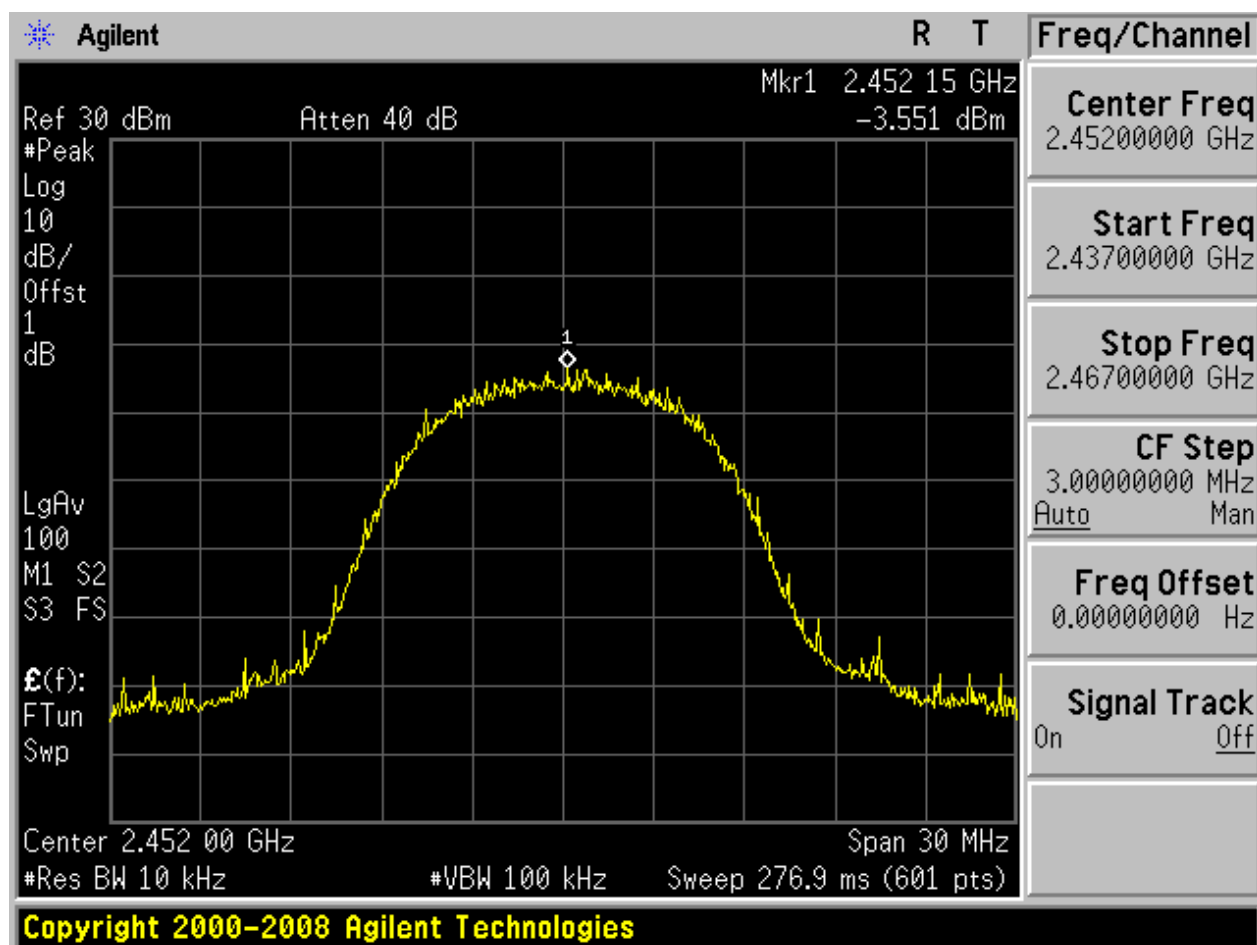


2.5 11B_H@Ant 1

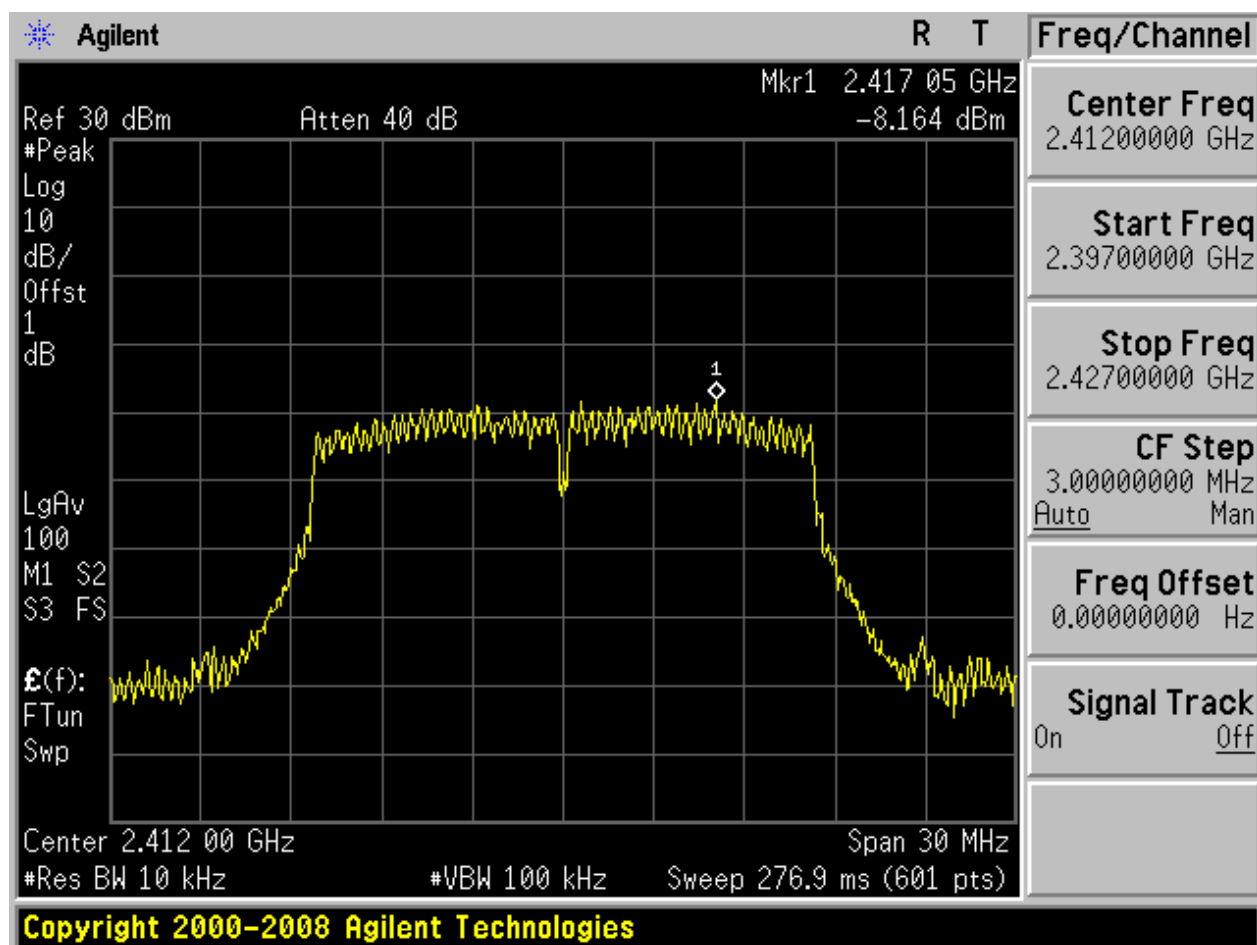




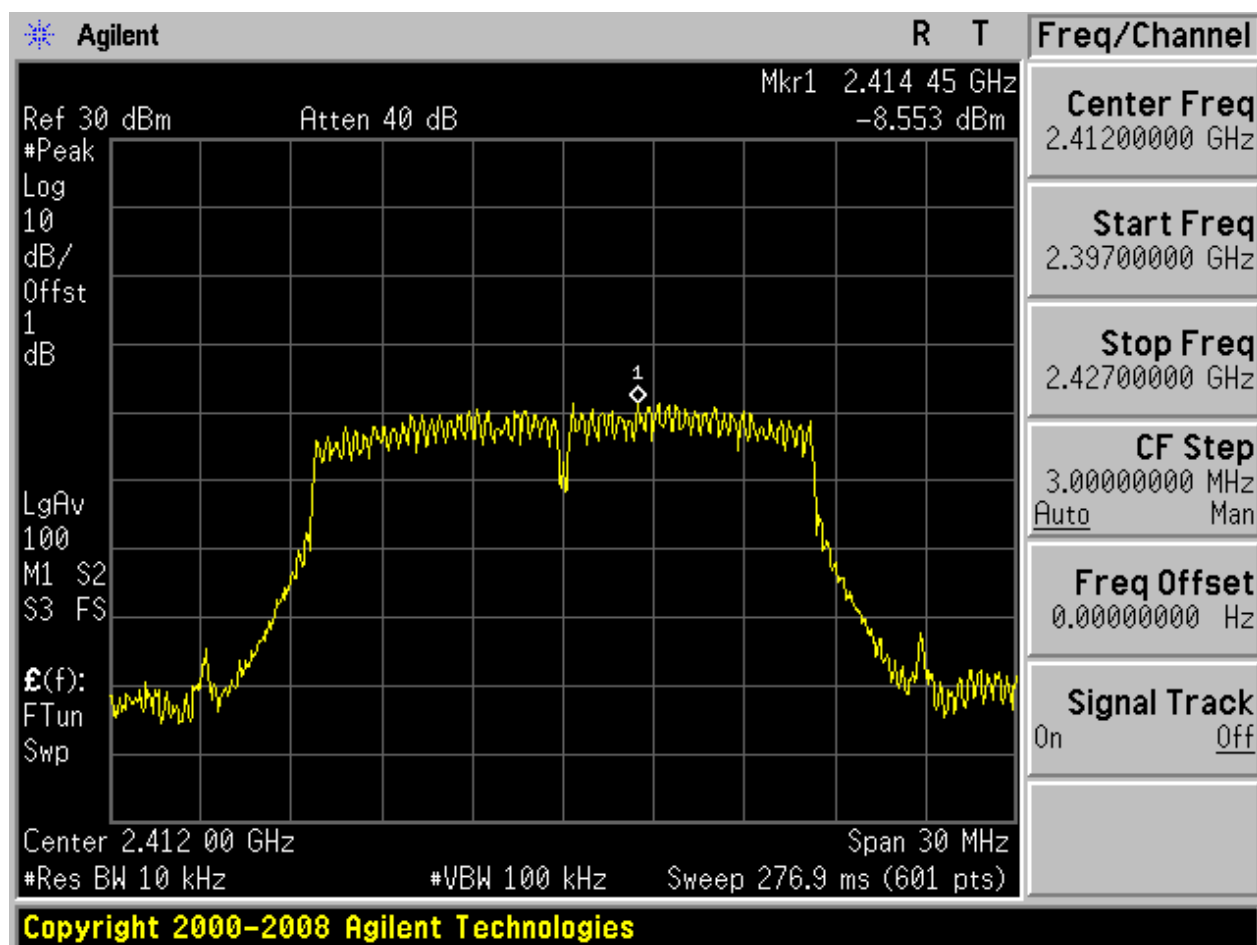
2.6 11B_H@Ant 2



2.7 11G_L@Ant 1

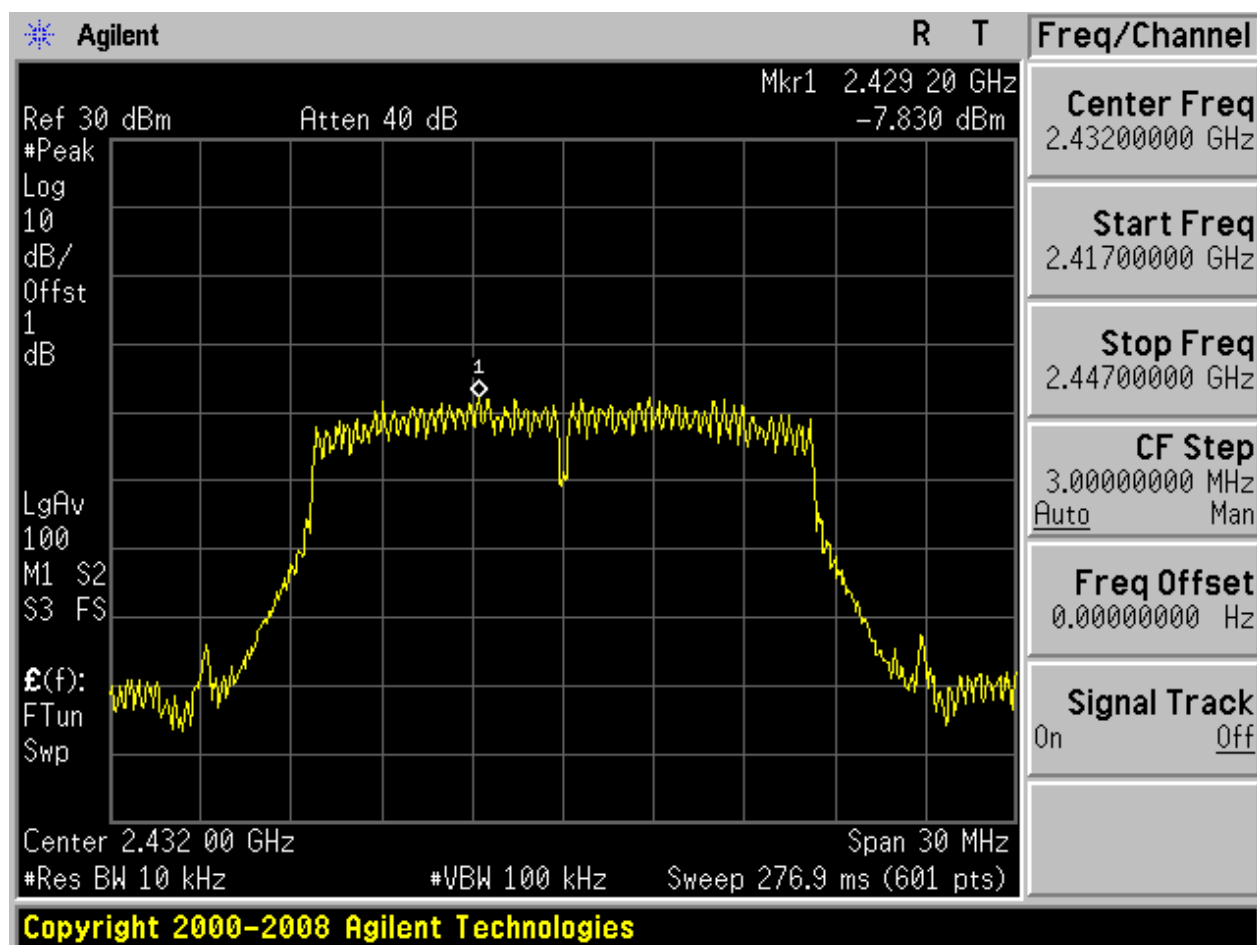


2.8 11G_L@Ant 2

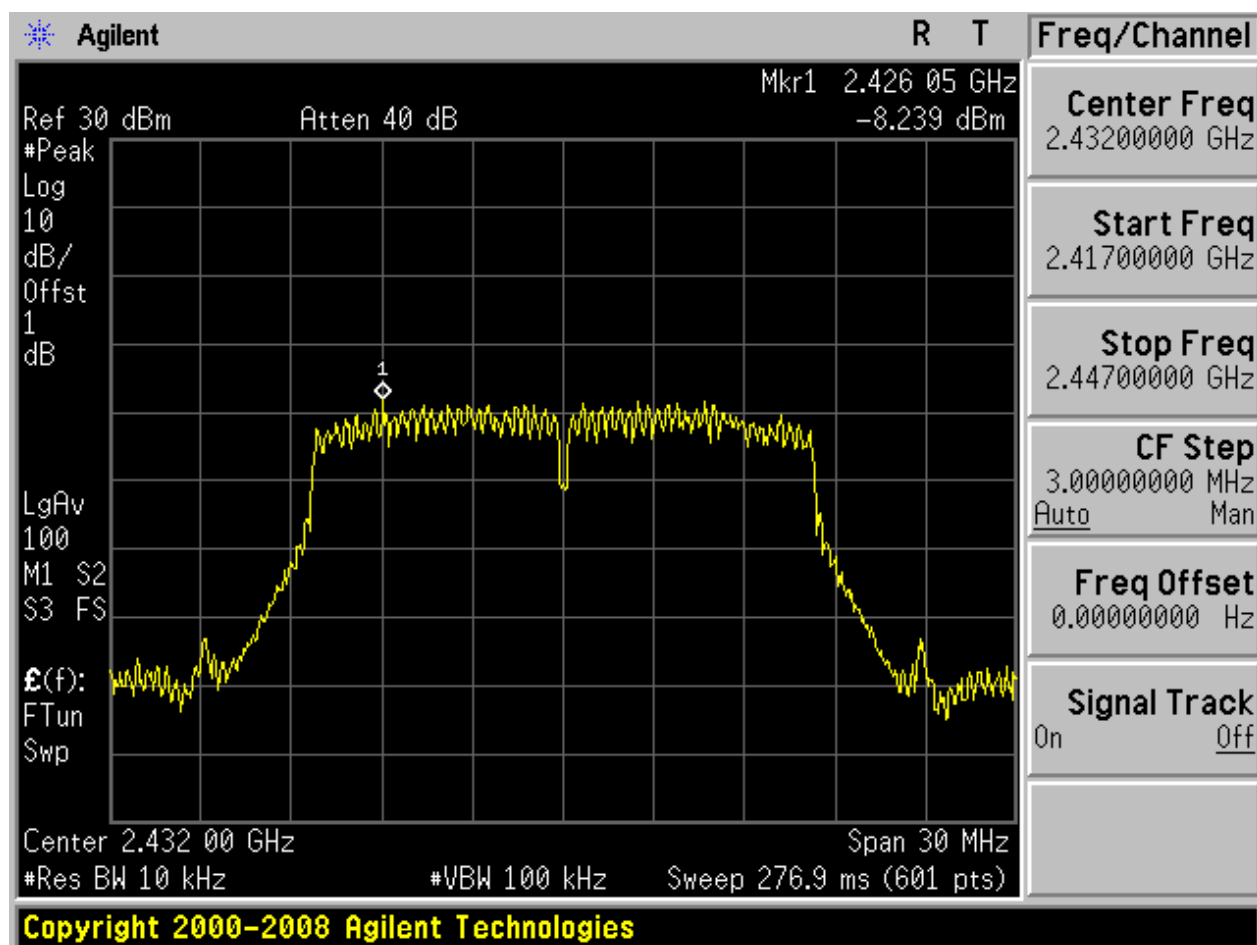




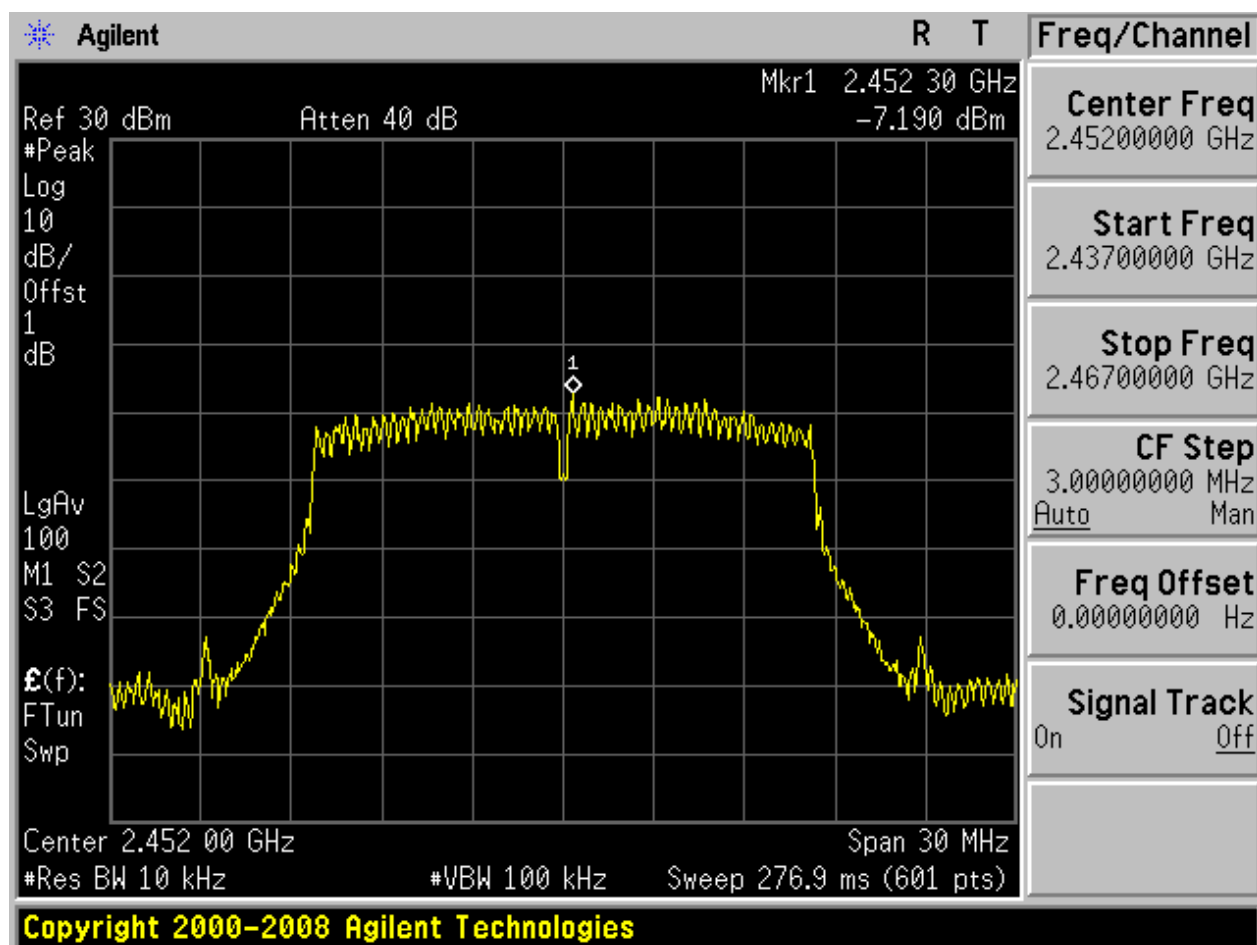
2.9 11G_M@Ant 1



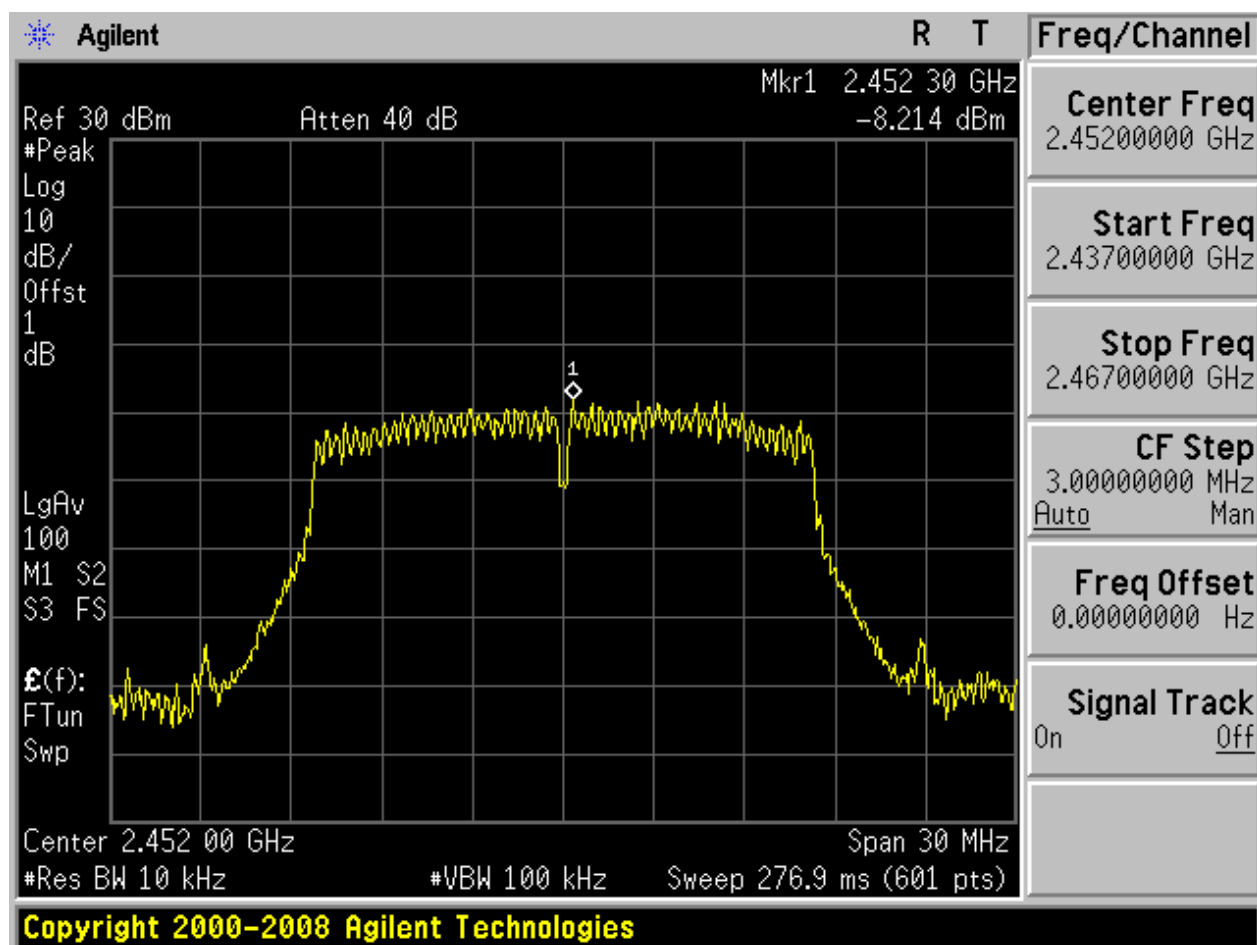
2.10 11G_M@Ant 2



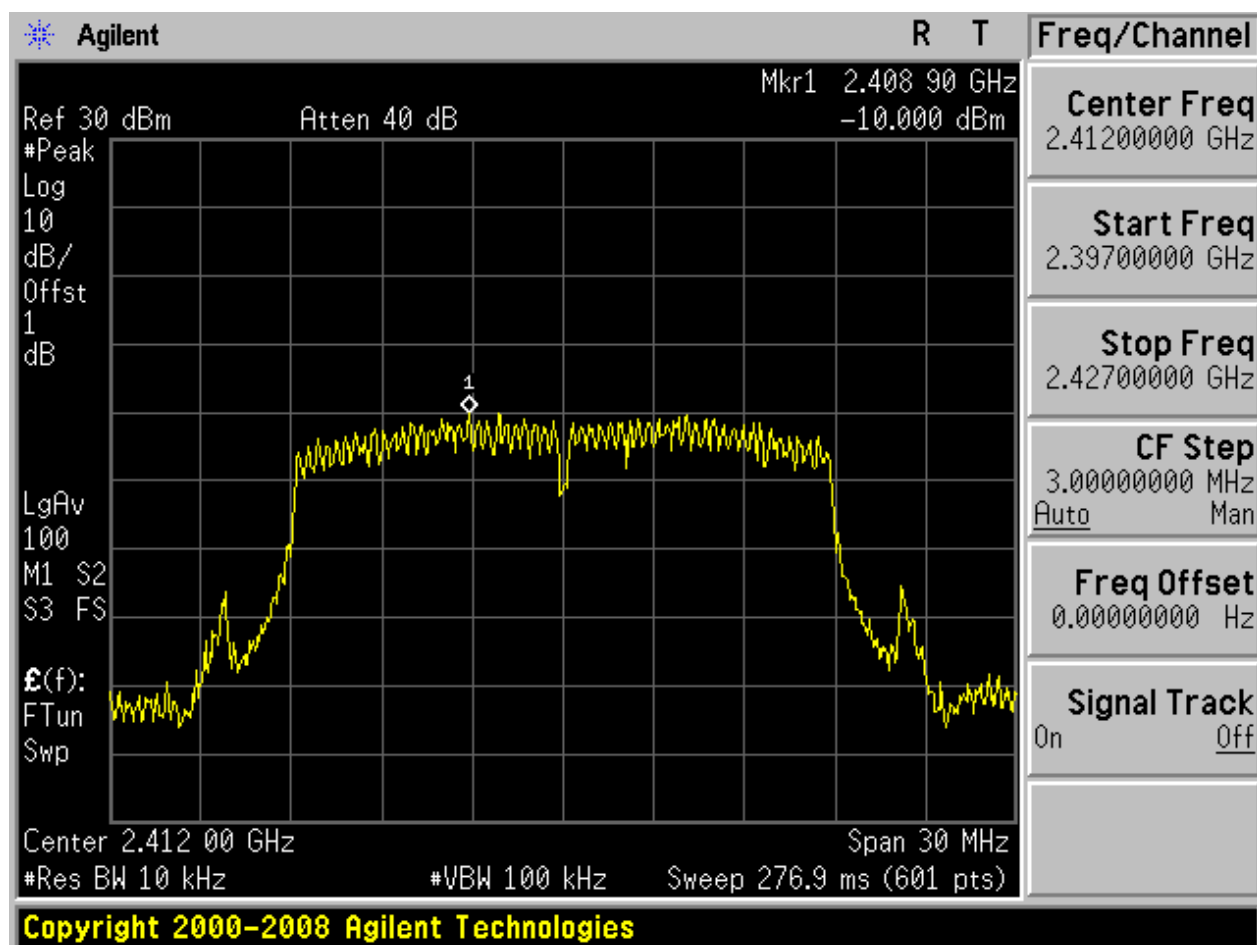
2.11 11G_H@Ant 1



2.12 11G_H@Ant 2

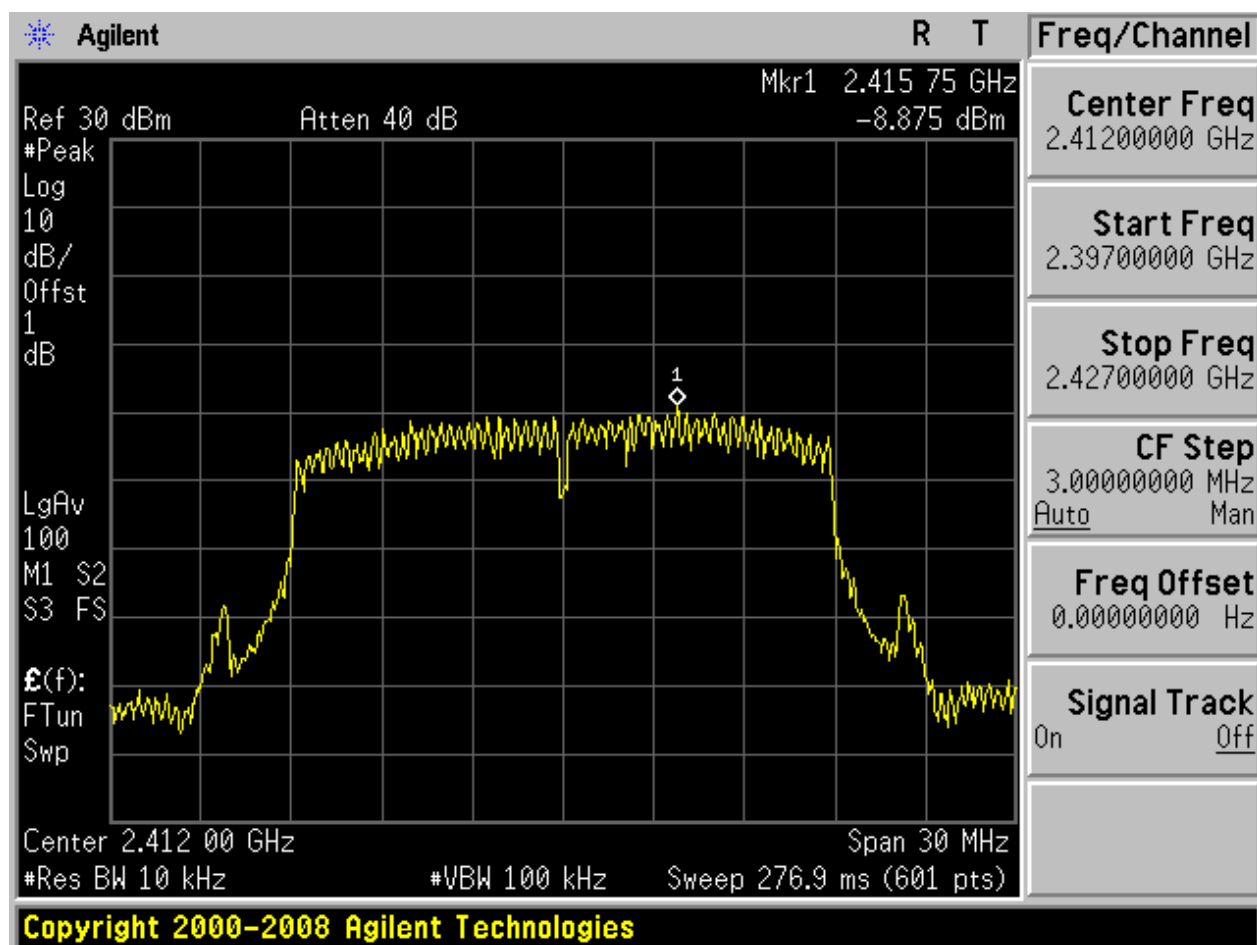


2.13 11N20_L@Ant 1

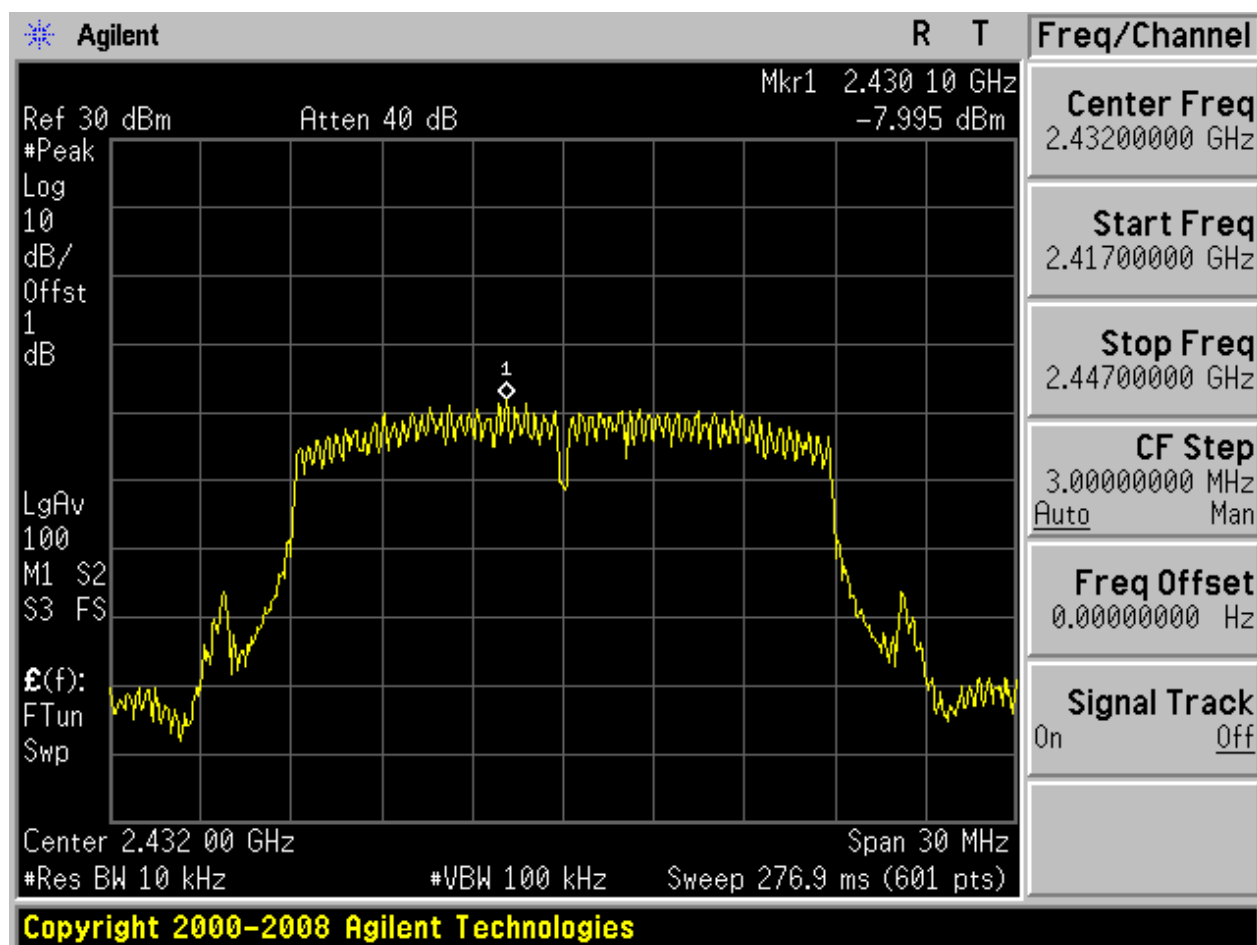




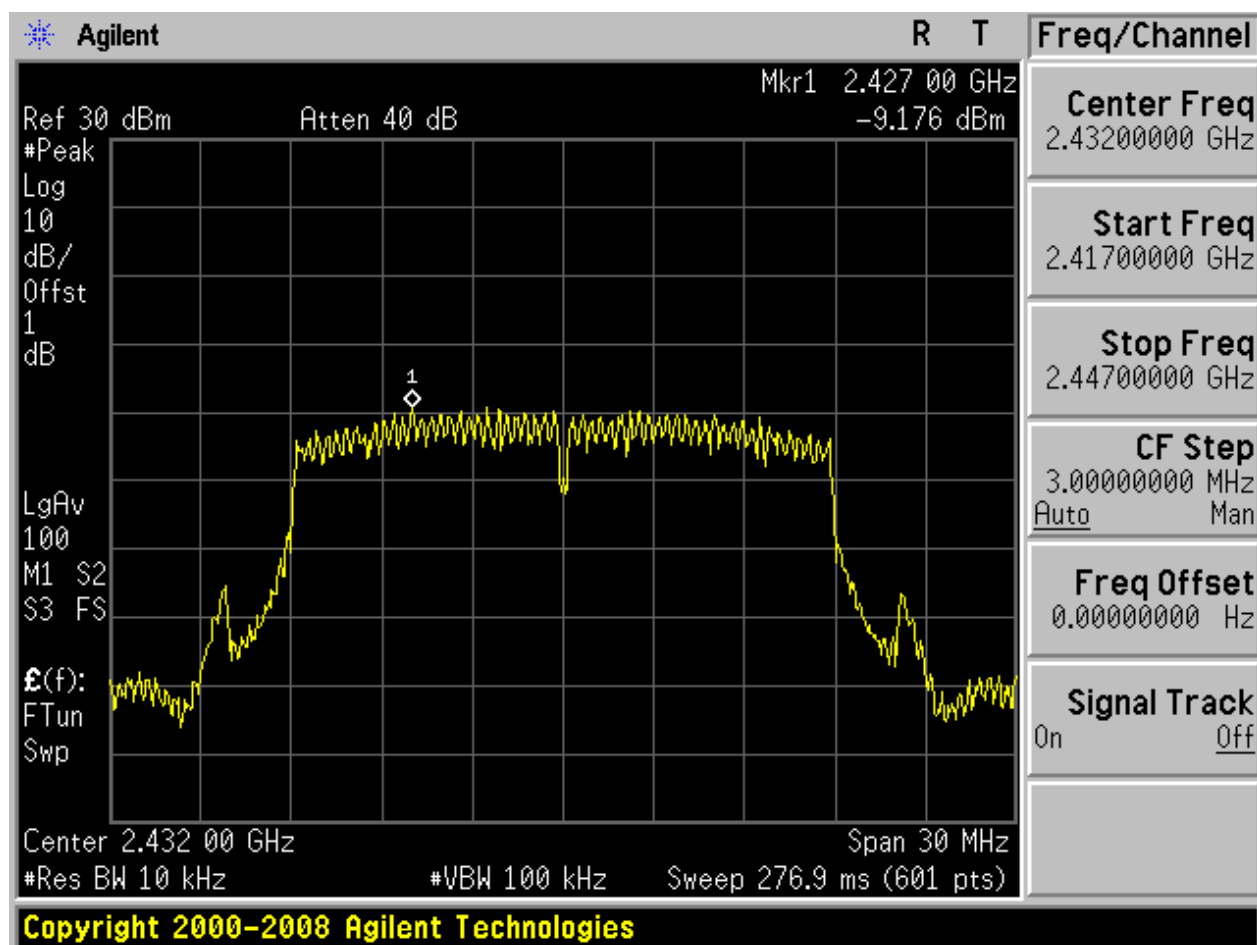
2.14 11N20_L@Ant 2



2.15 11N20_M@Ant 1

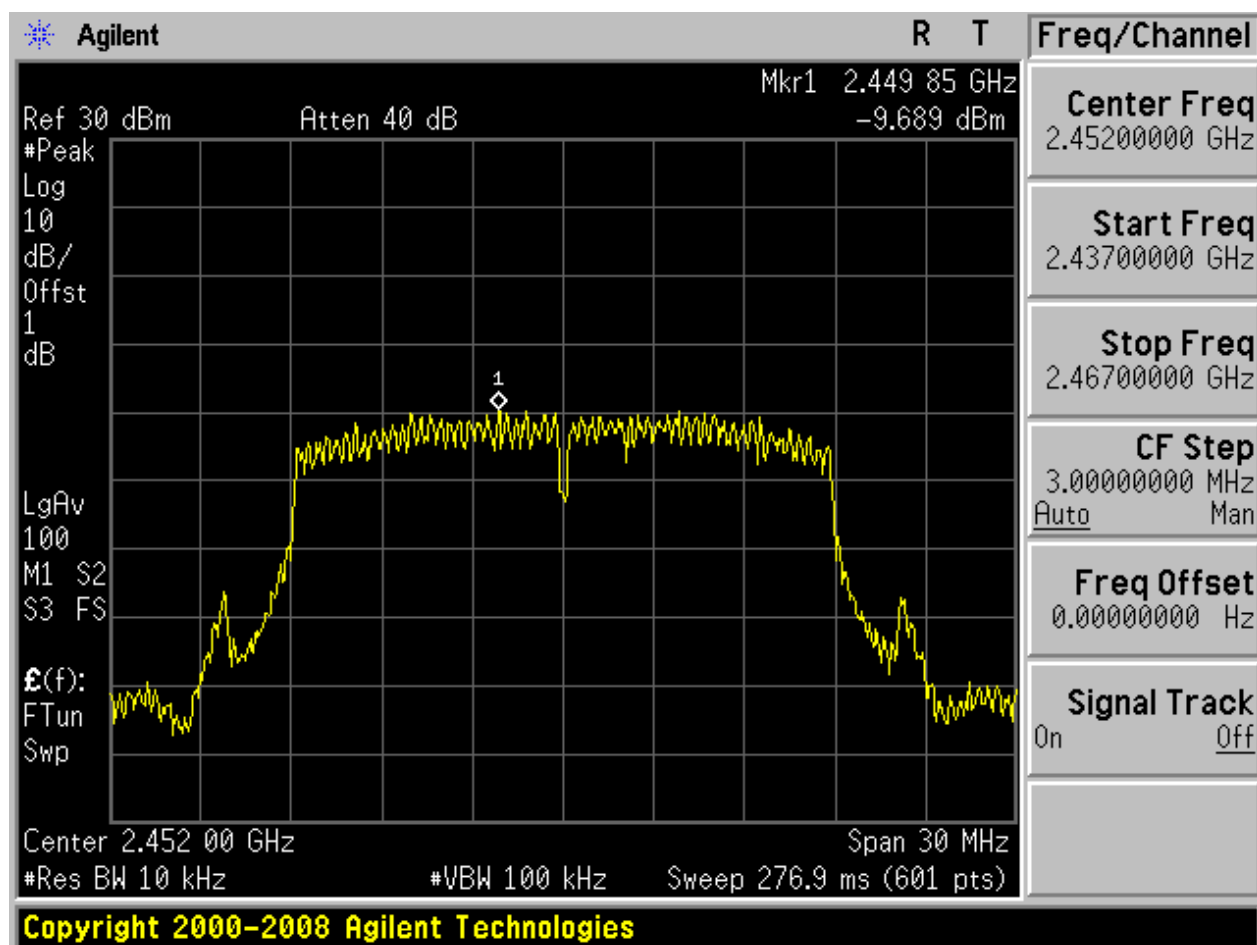


2.16 11N20_M@Ant 2



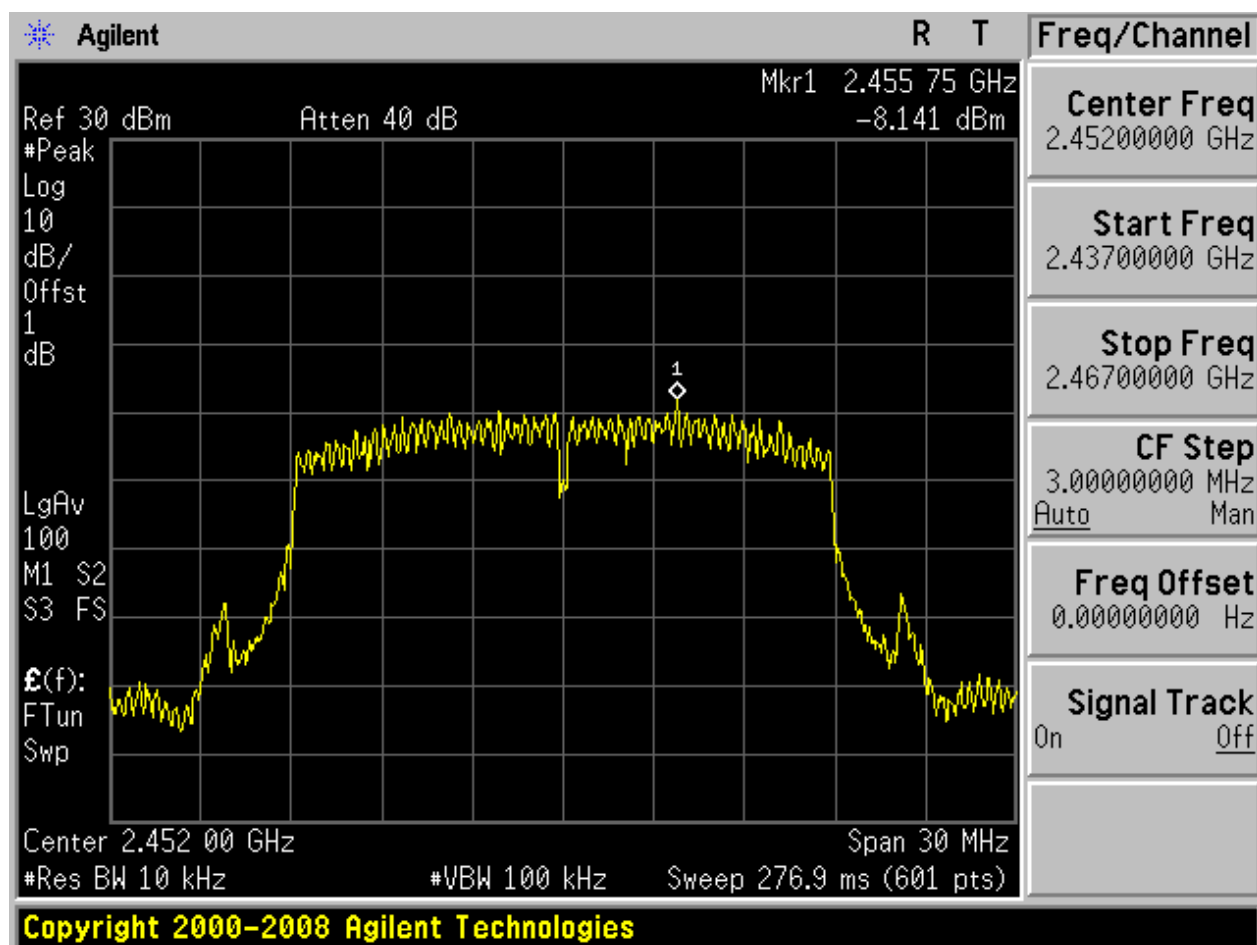


2.17 11N20_H@Ant 1

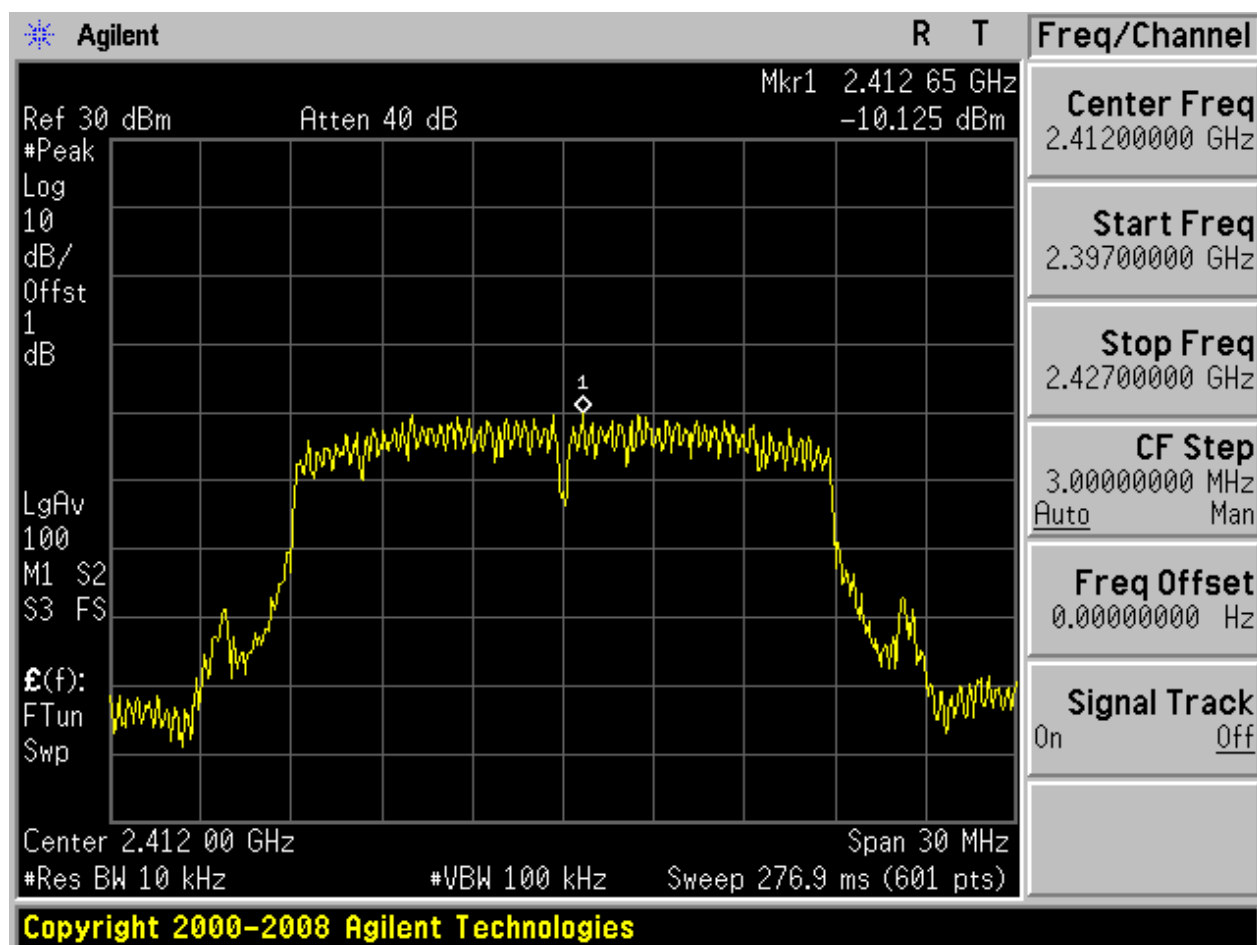




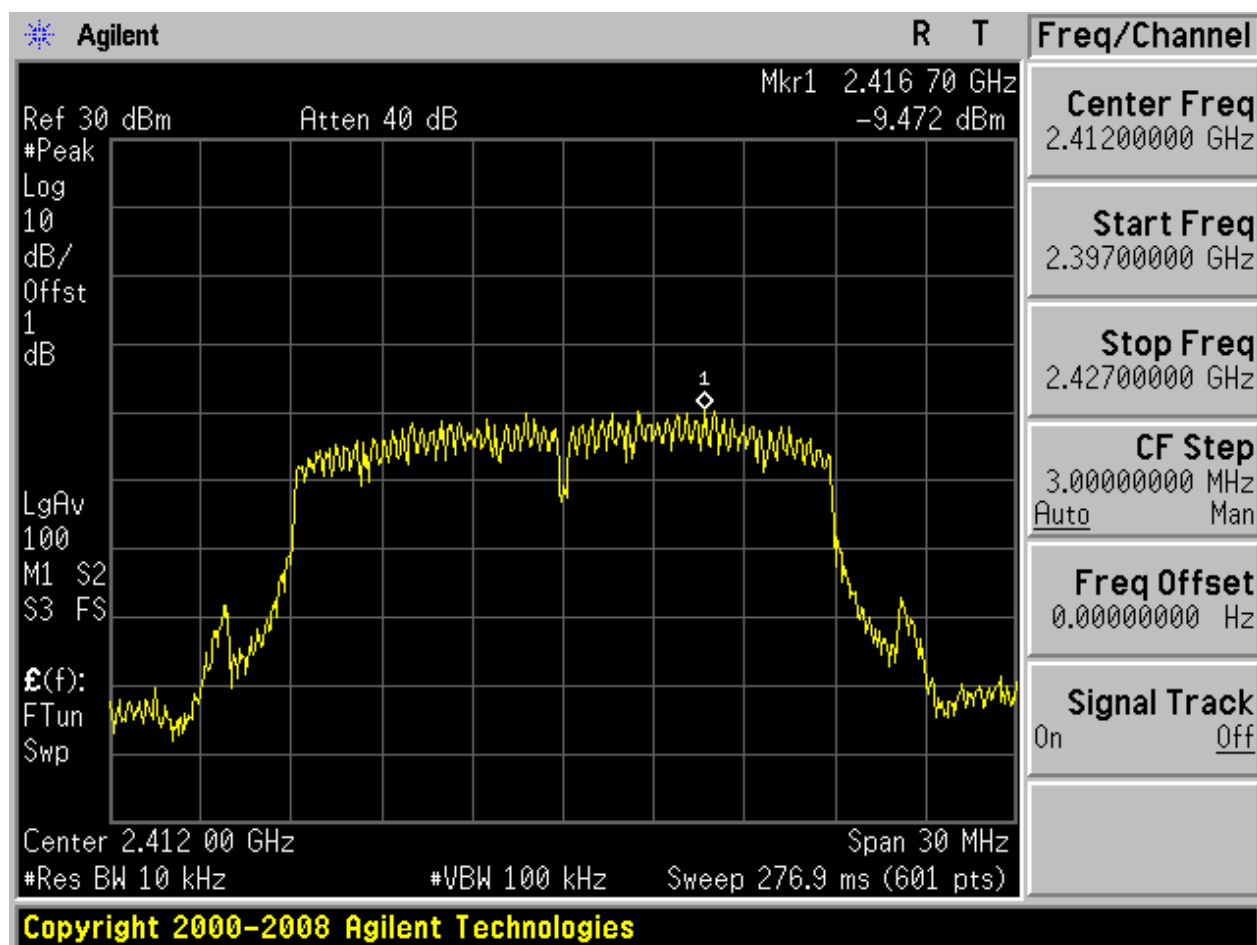
2.18 11N20_H@Ant 2



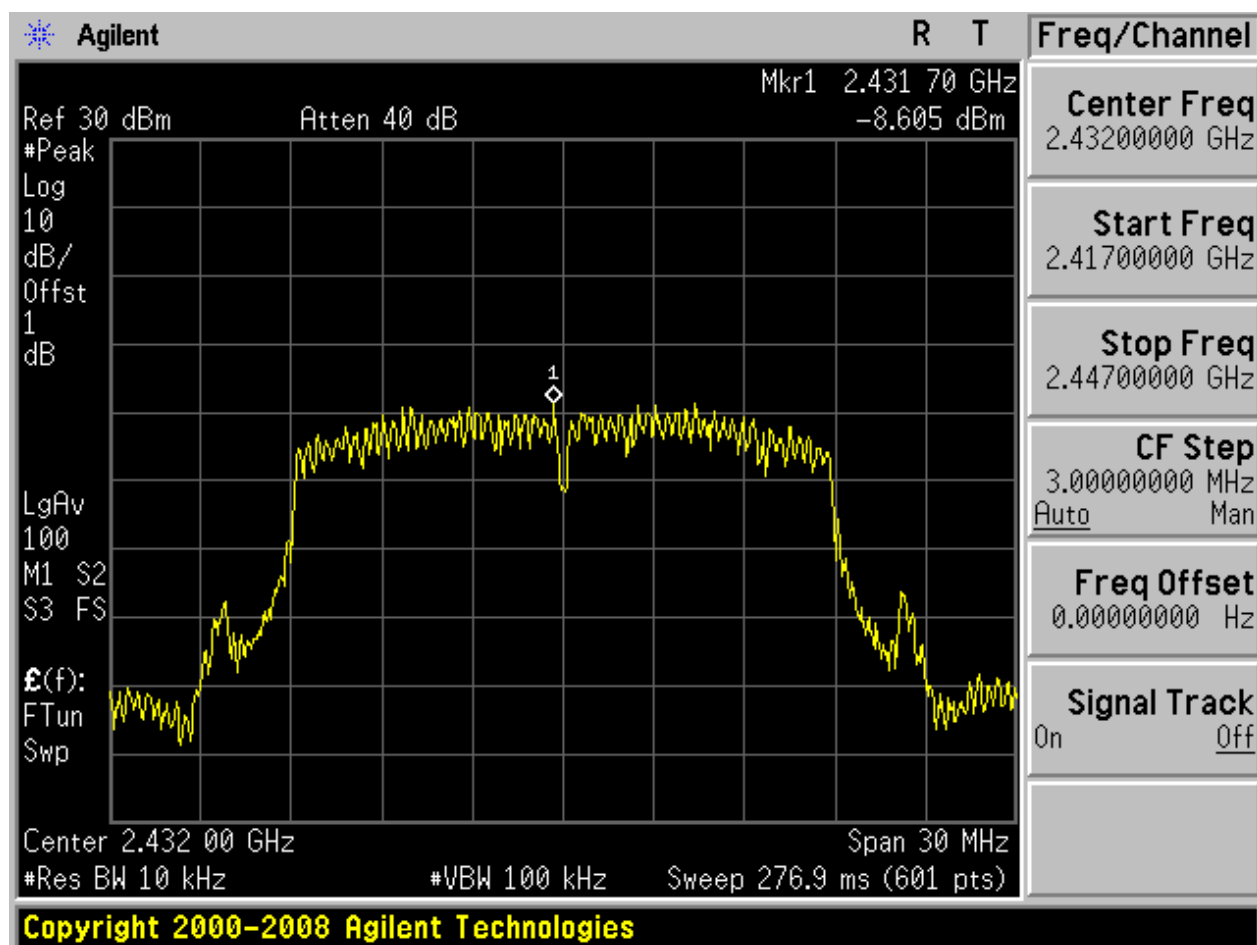
2.19 11N20m_L@Ant 1



2.20 11N20m_L@Ant 2

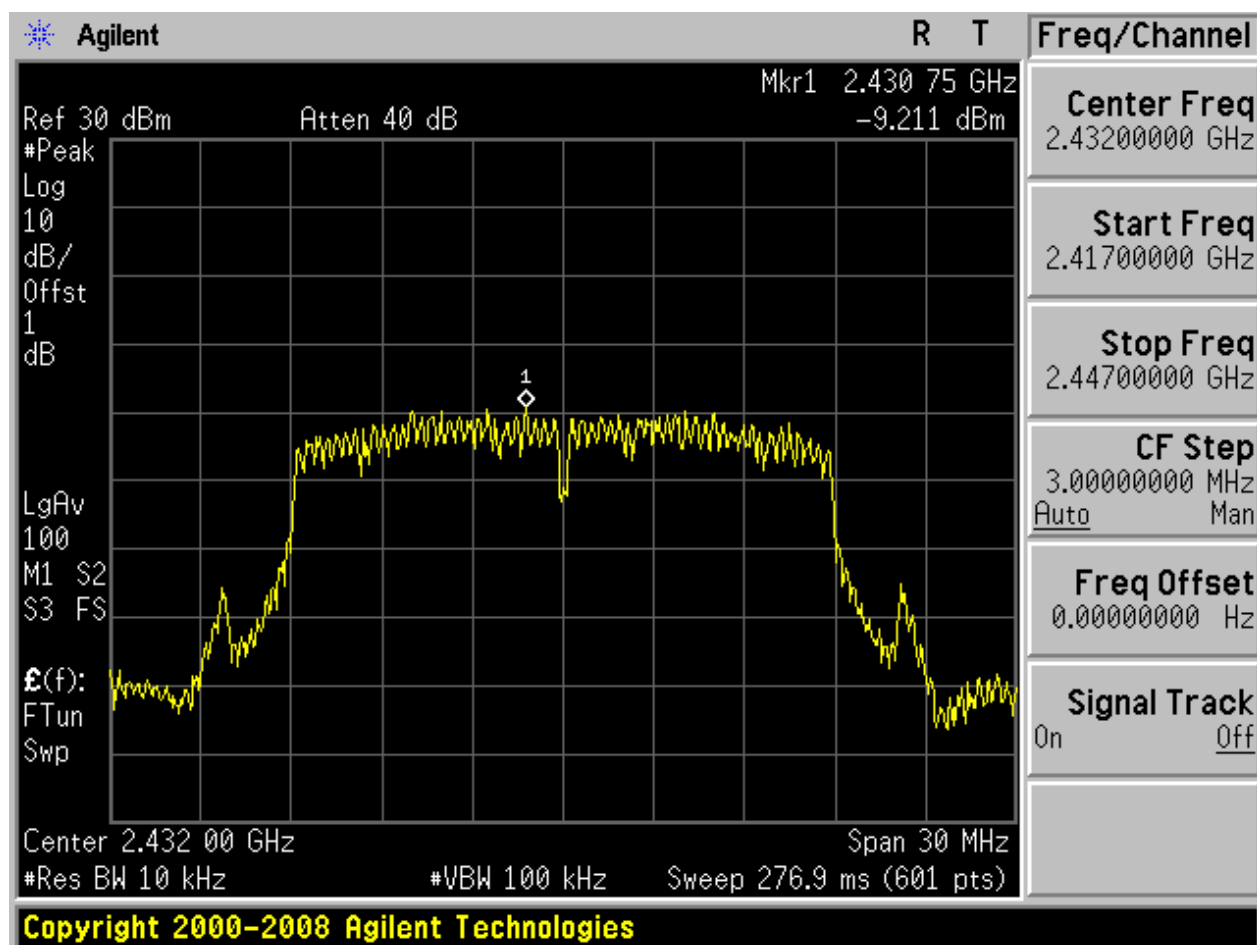


2.21 11N20m_M@Ant 1

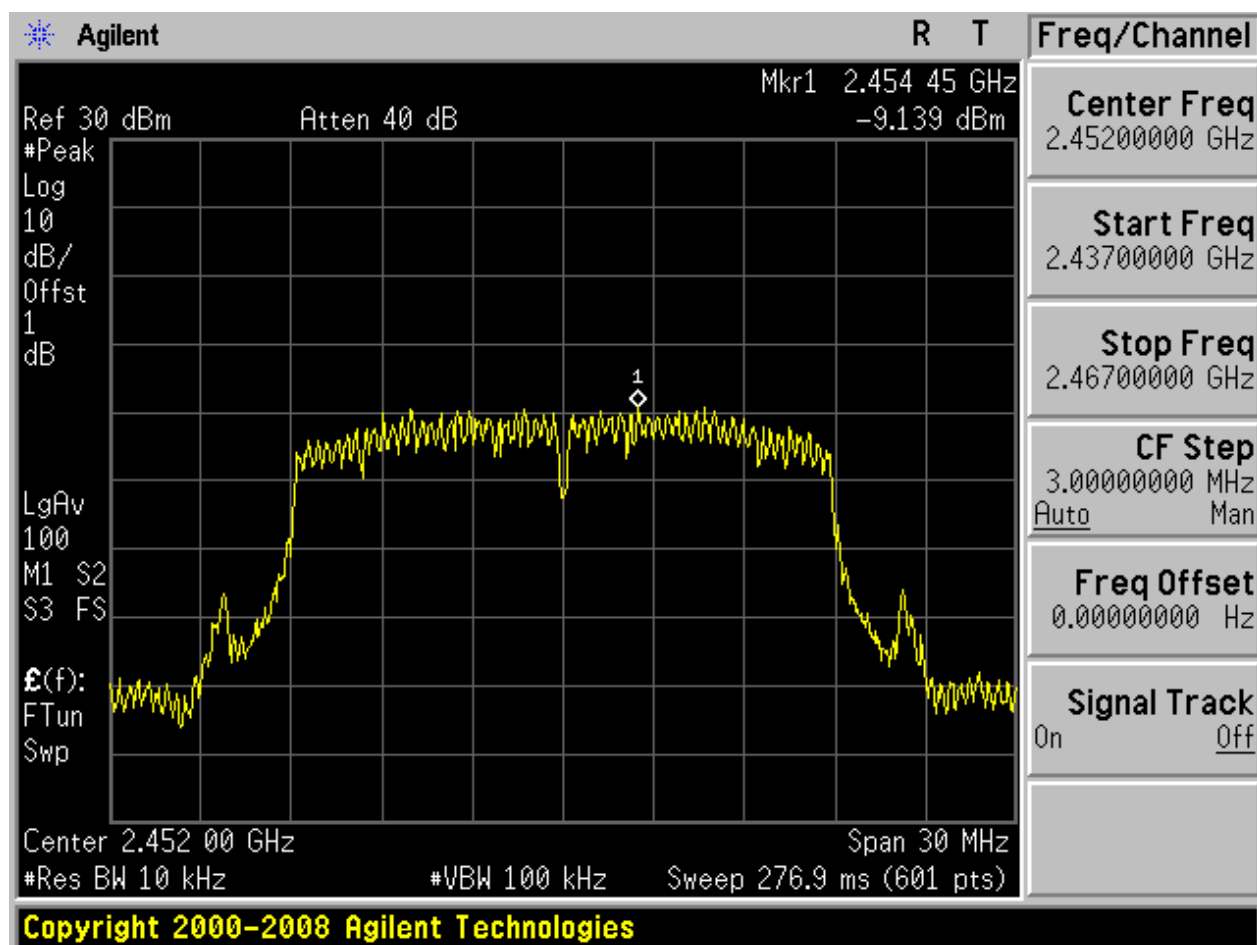




2.22 11N20m_M@Ant 2

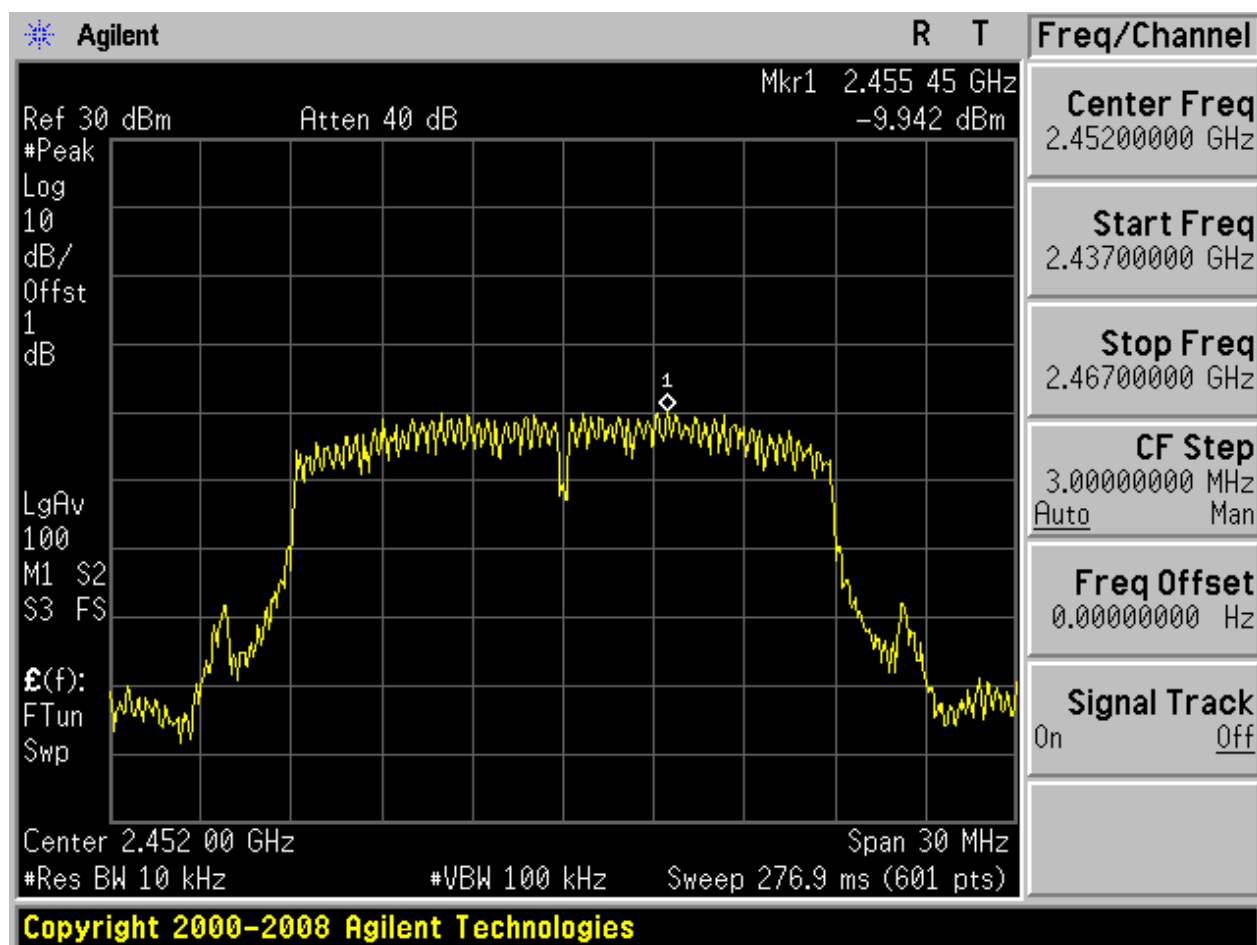


2.23 11N20m_H@Ant 1

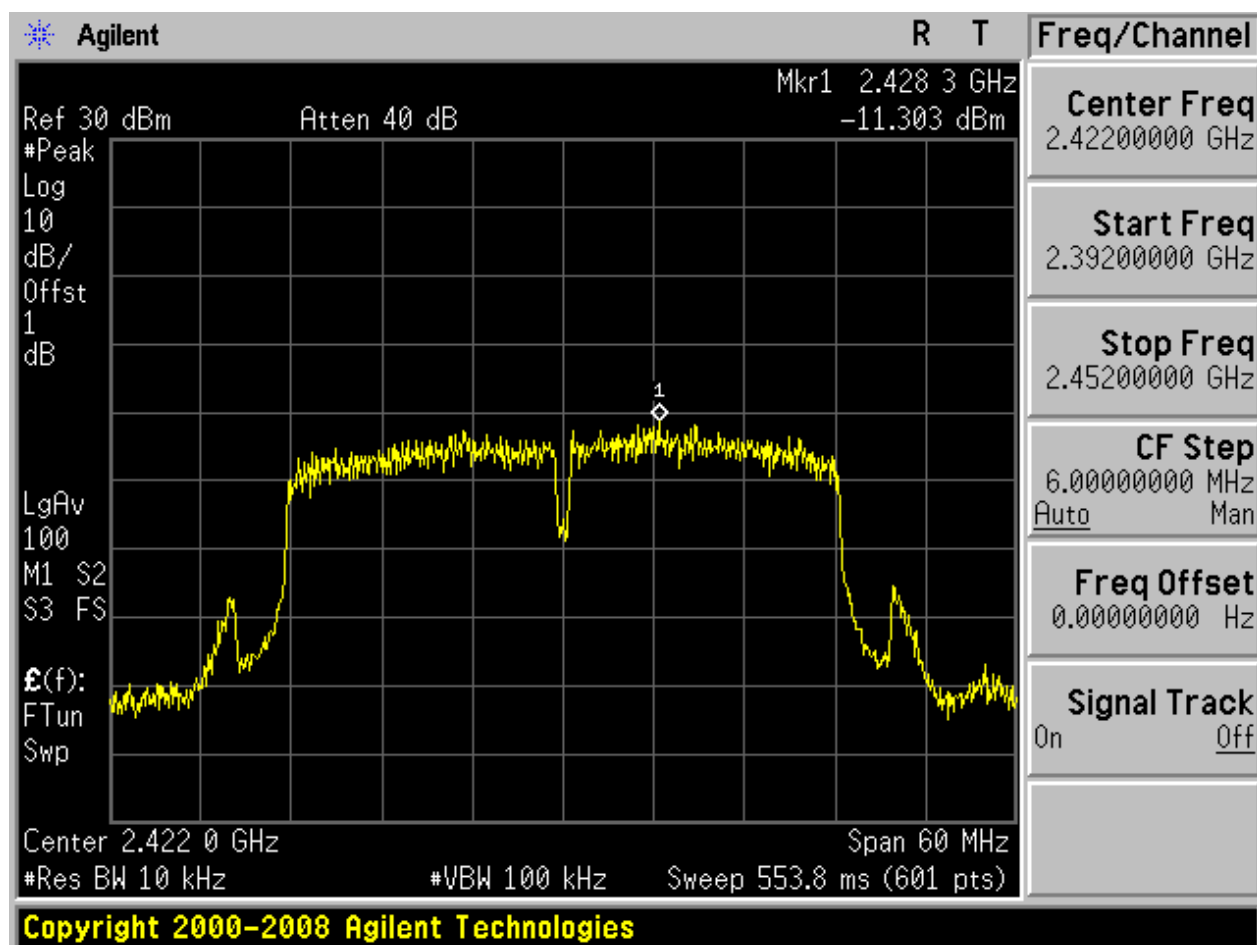




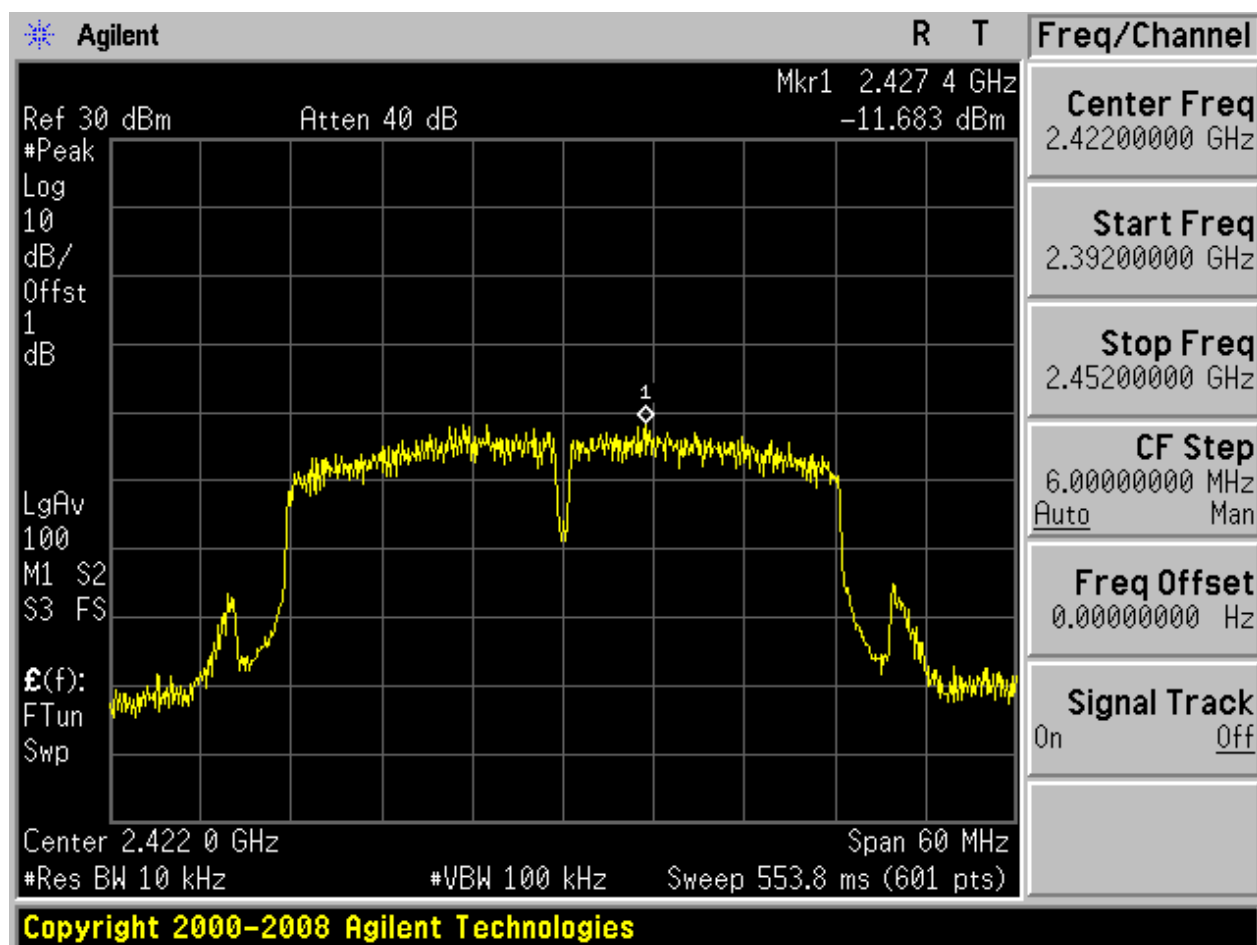
2.24 11N20m_H@Ant 2



2.25 11N40_L@Ant 1

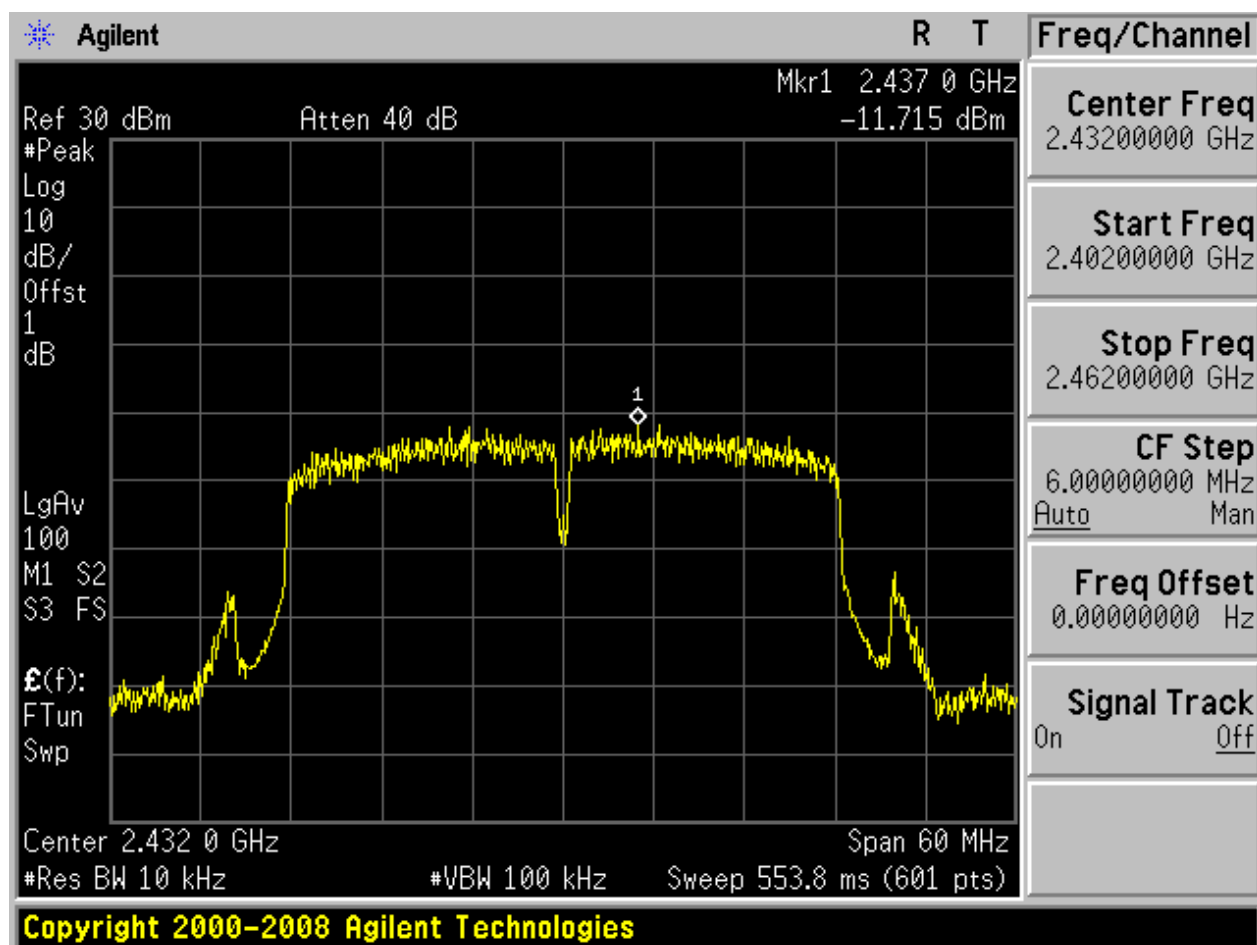


2.26 11N40_L@Ant 2



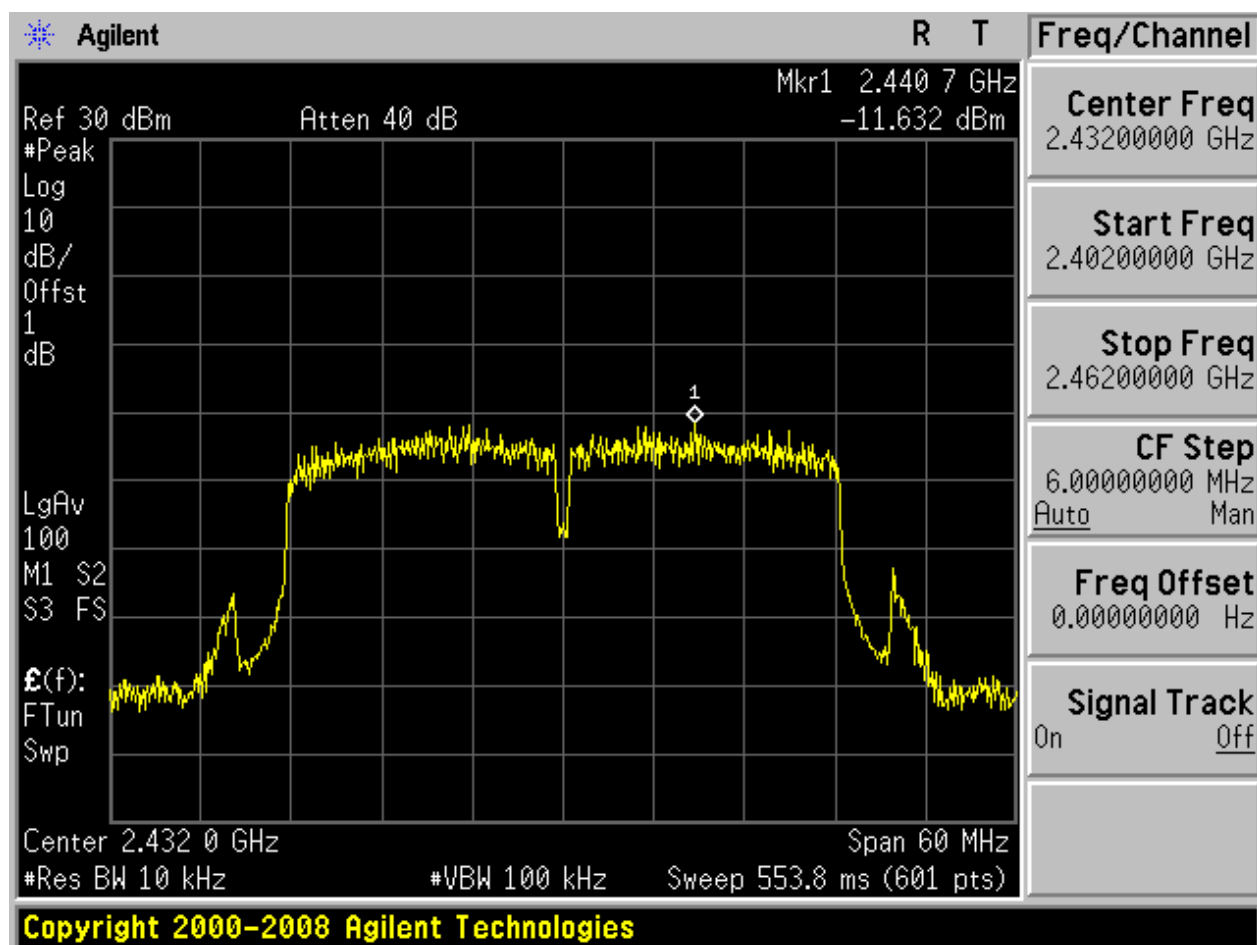


2.27 11N40_M@Ant 1

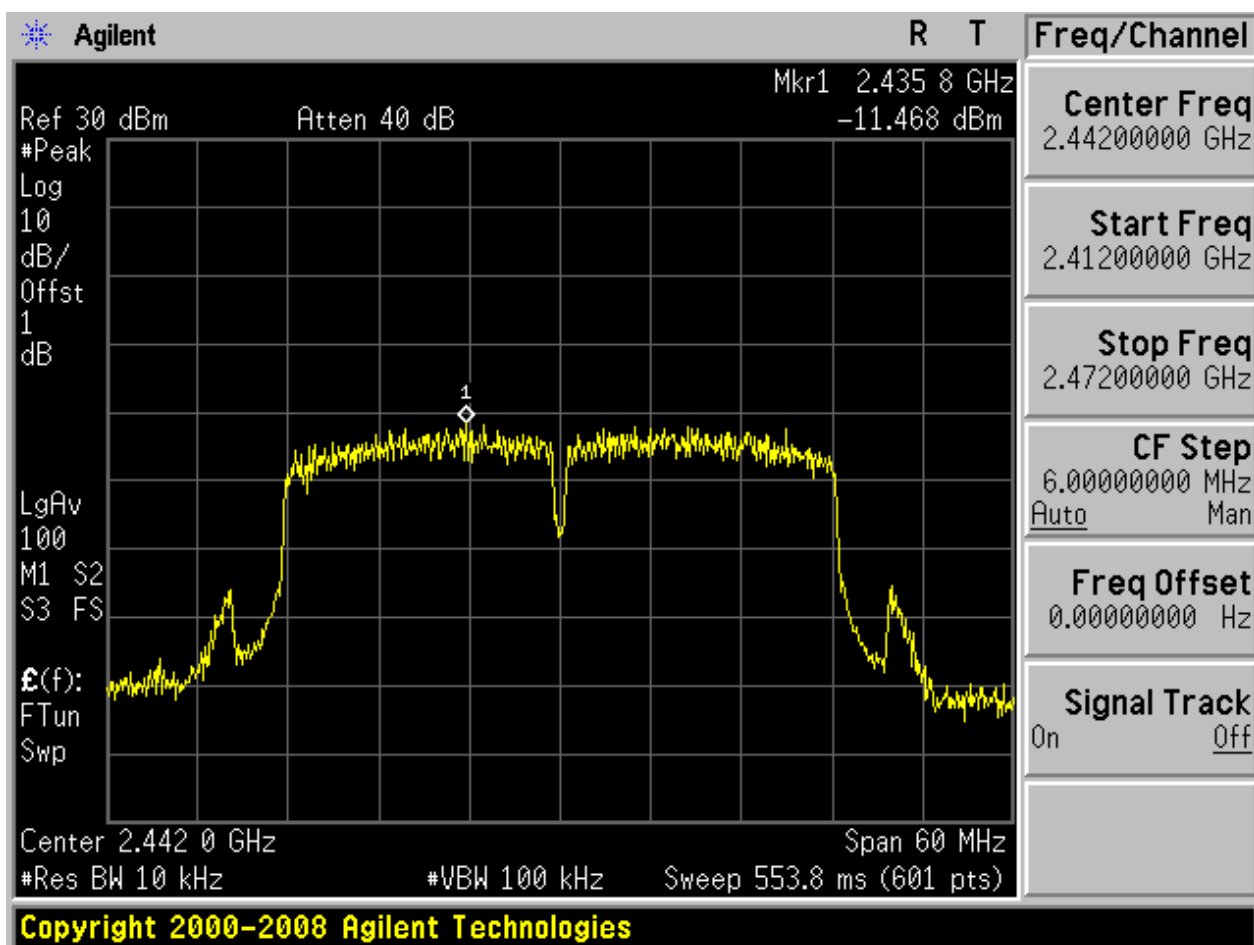




2.28 11N40_M@Ant 2

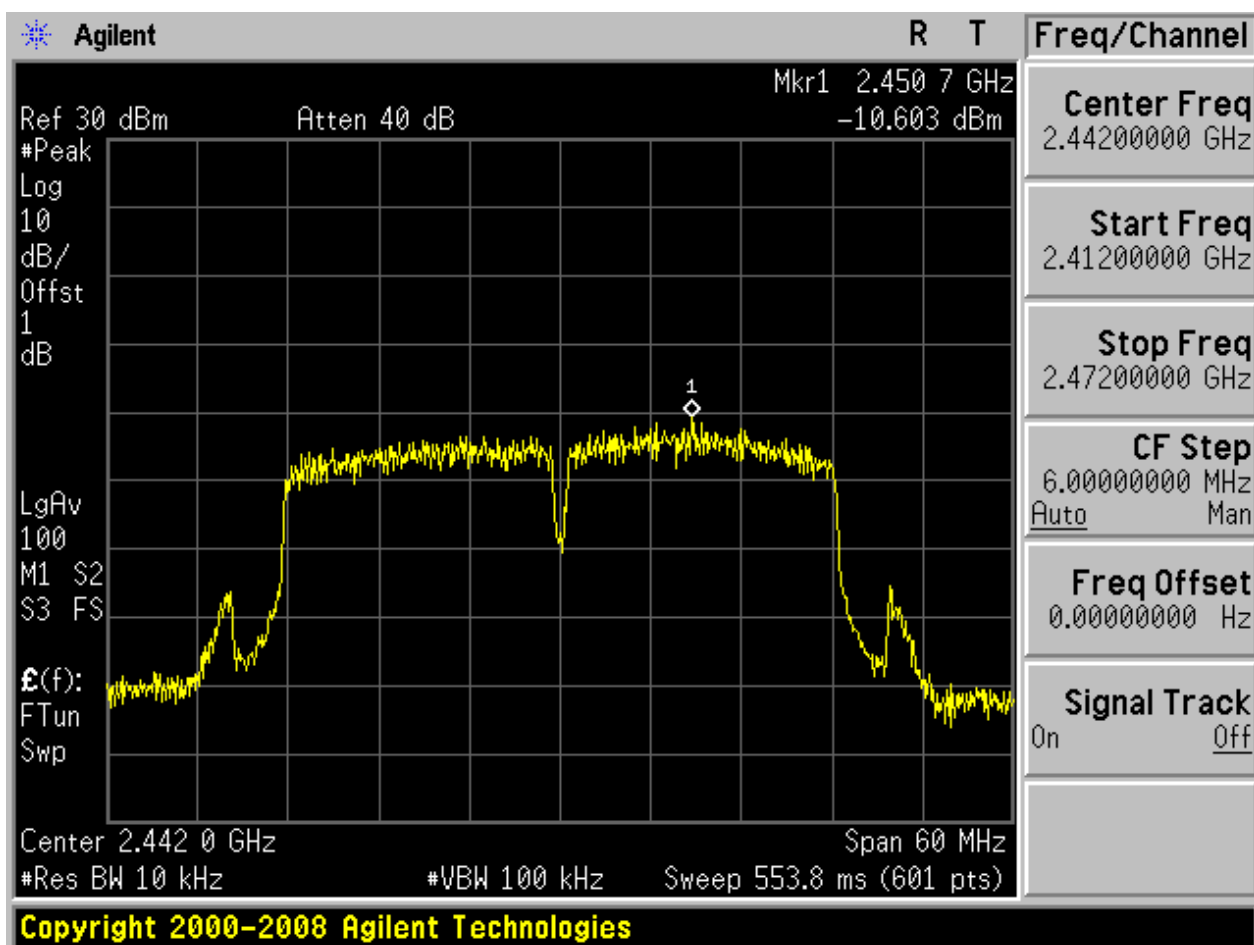


2.29 11N40_H@Ant 1

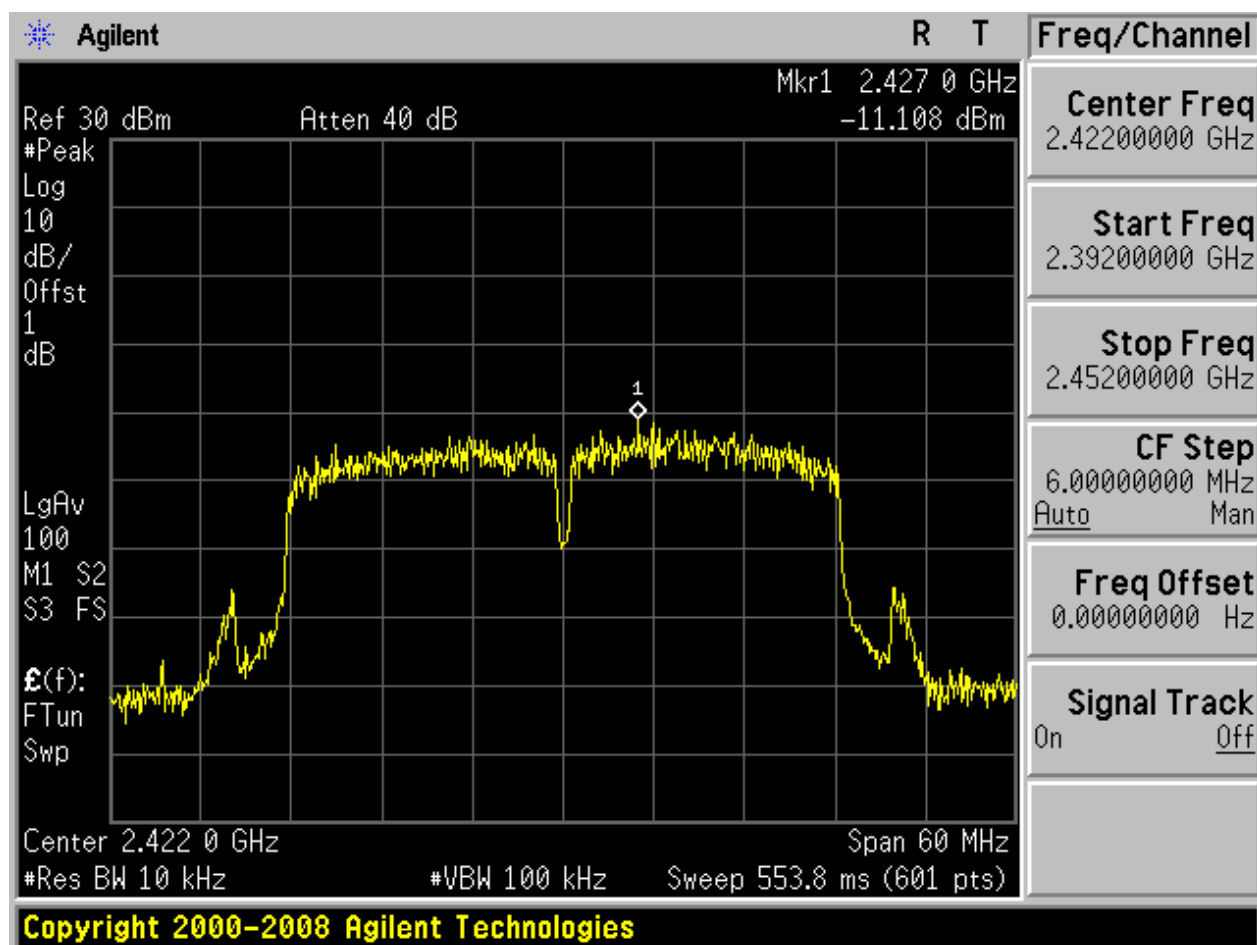




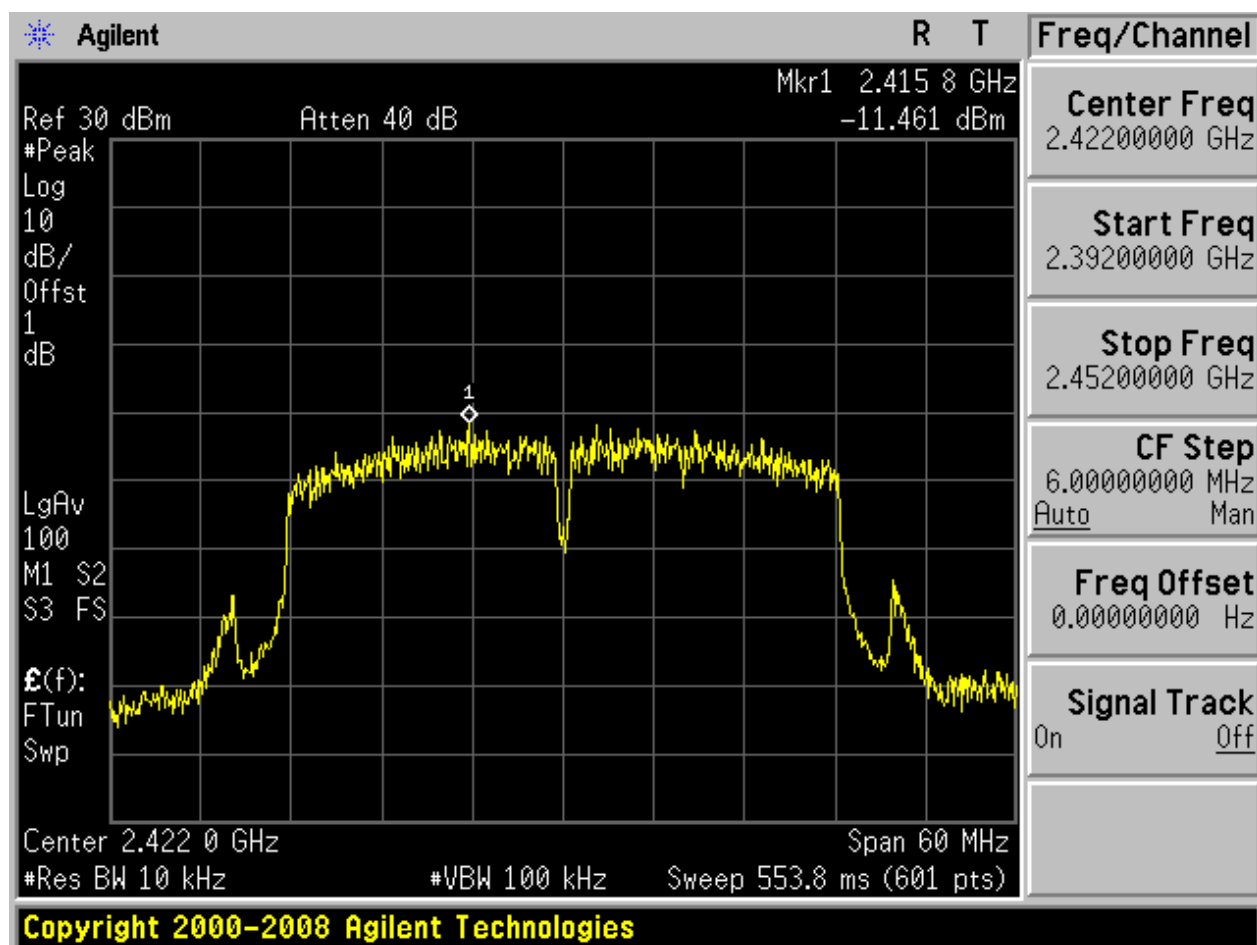
2.30 11N40_H@Ant 2



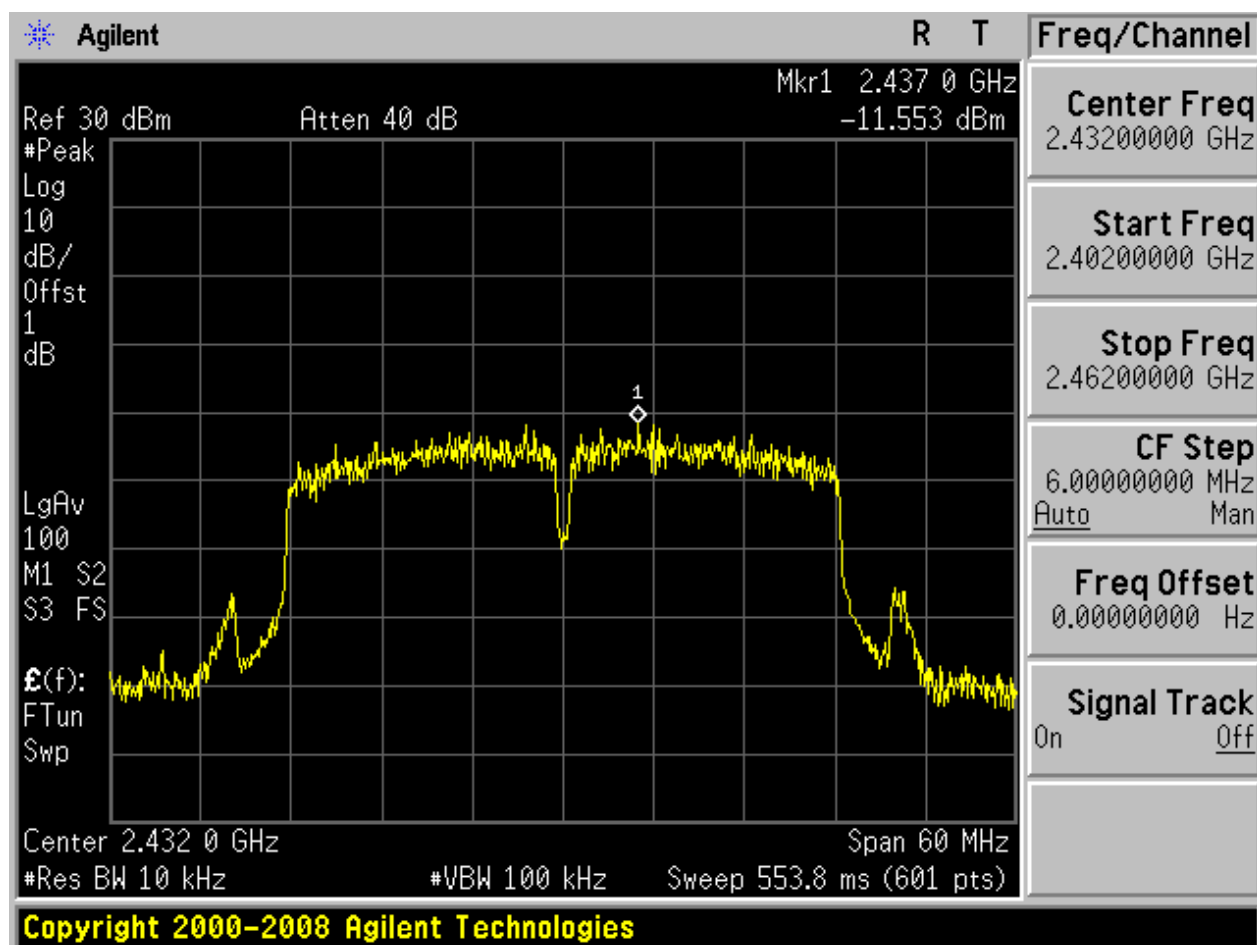
2.31 11N40m_L@Ant 1



2.32 11N40m_L@Ant 2

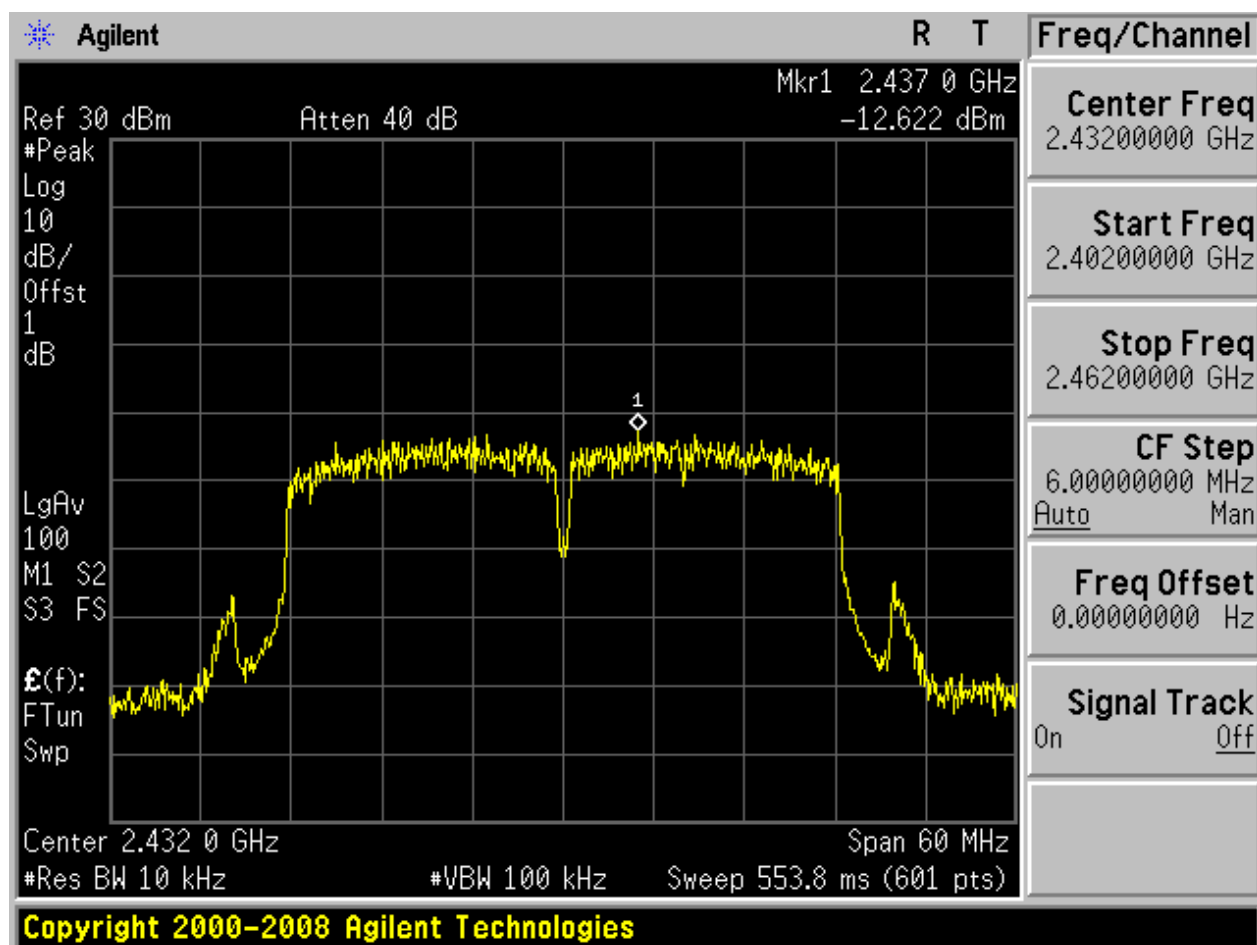


2.33 11N40m_M@Ant 1



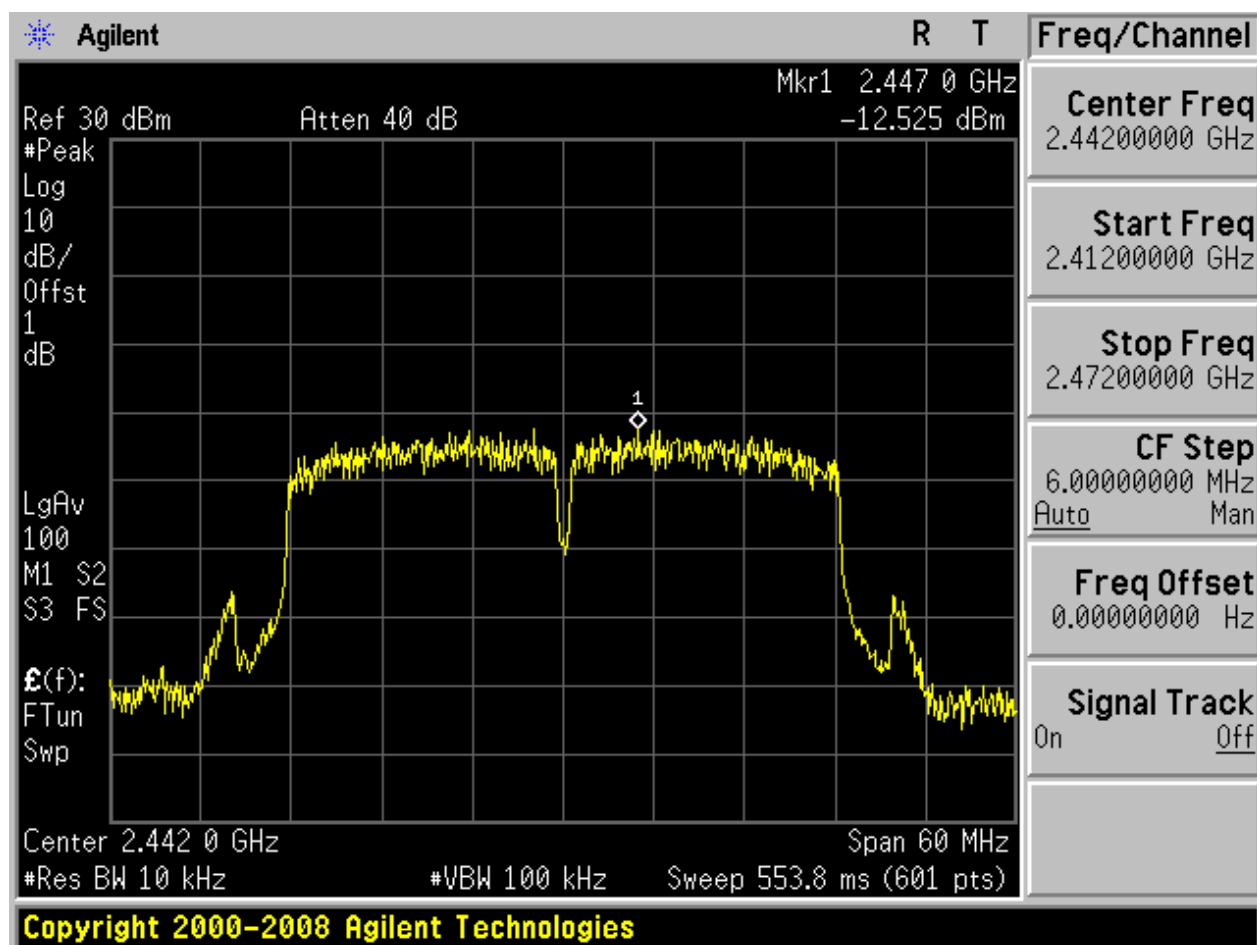


2.34 11N40m_M@Ant 2

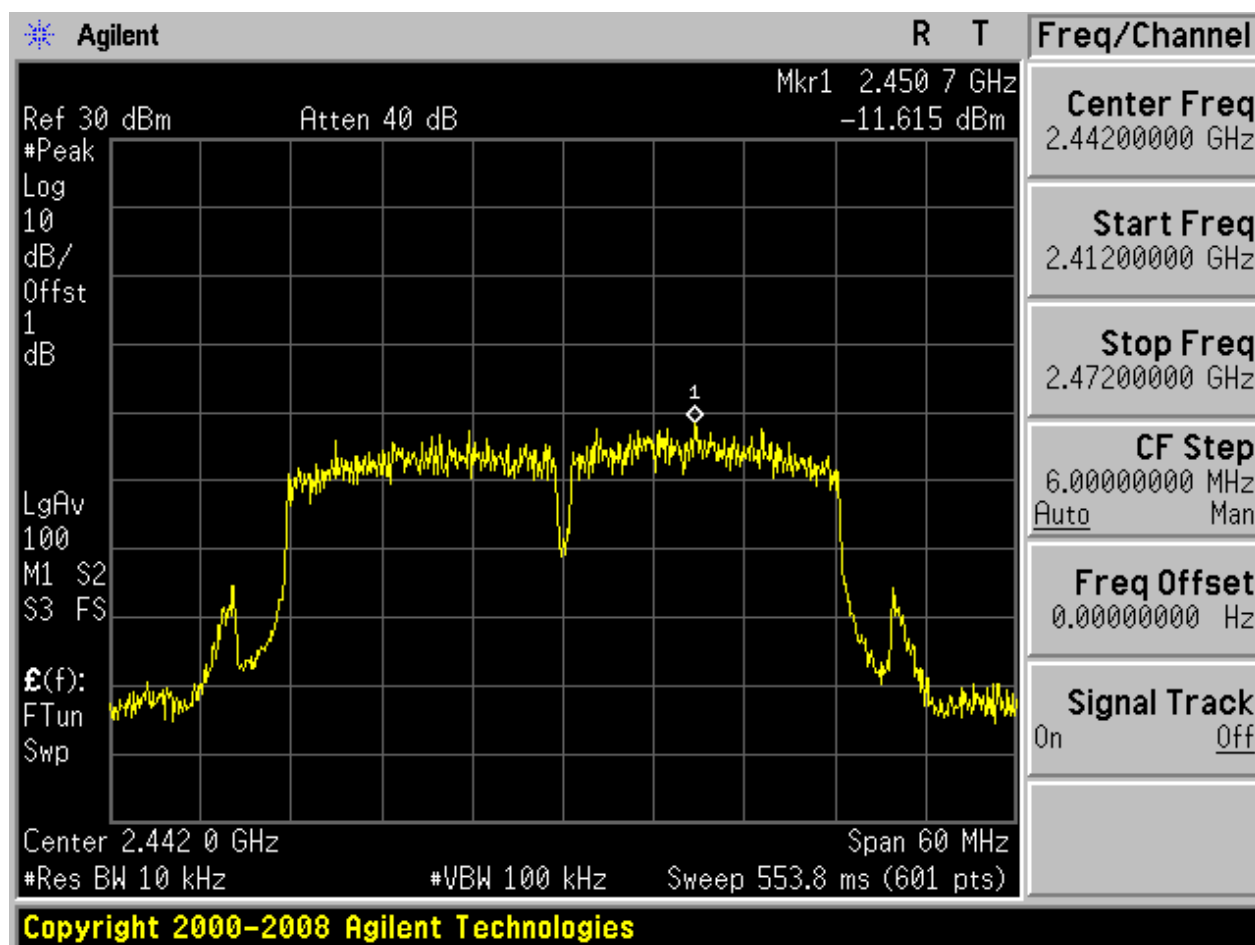




2.35 11N40m_H@Ant 1



2.36 11N40m_H@Ant 2



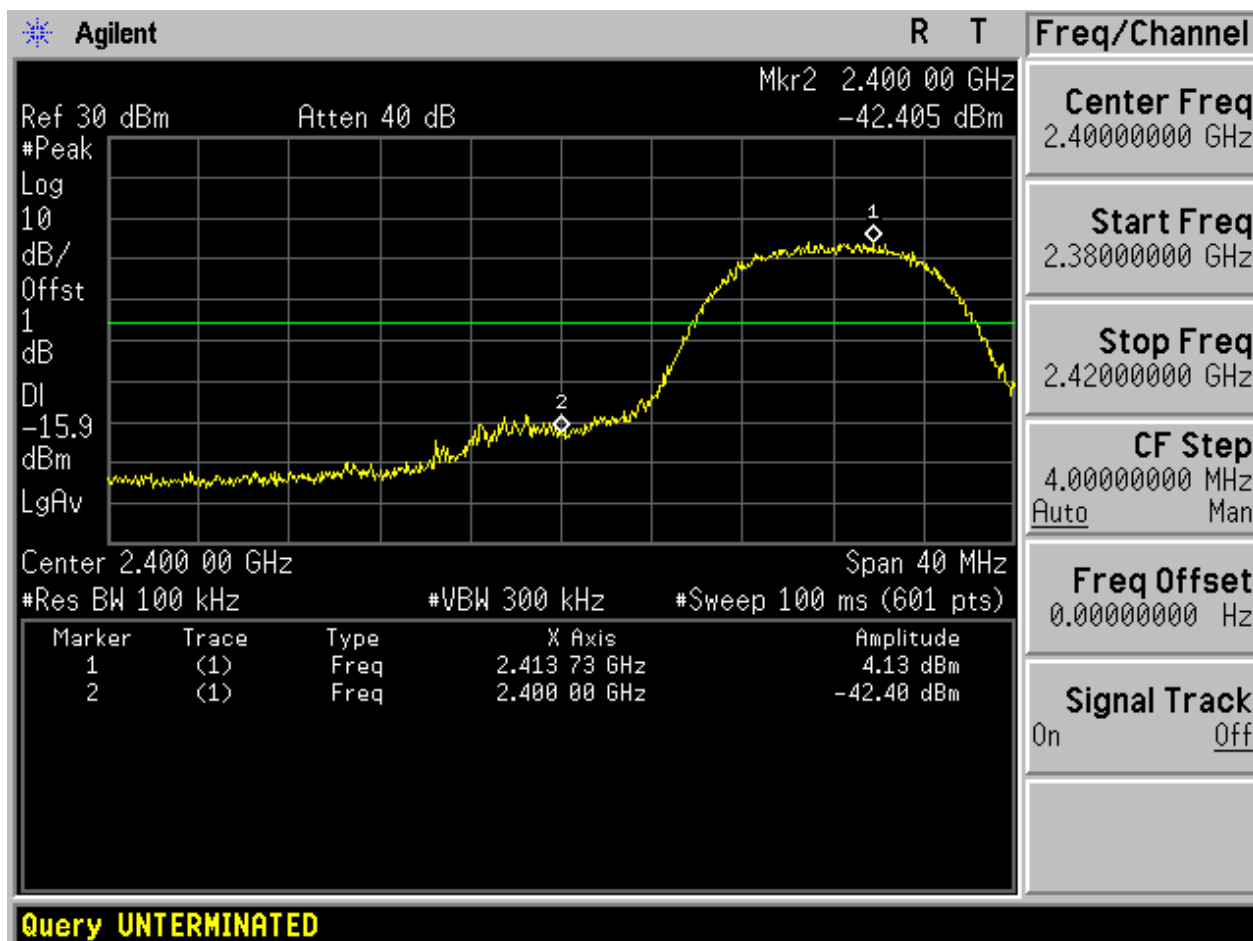
Appendix D: Band Edges Compliance

Part I - Test Results

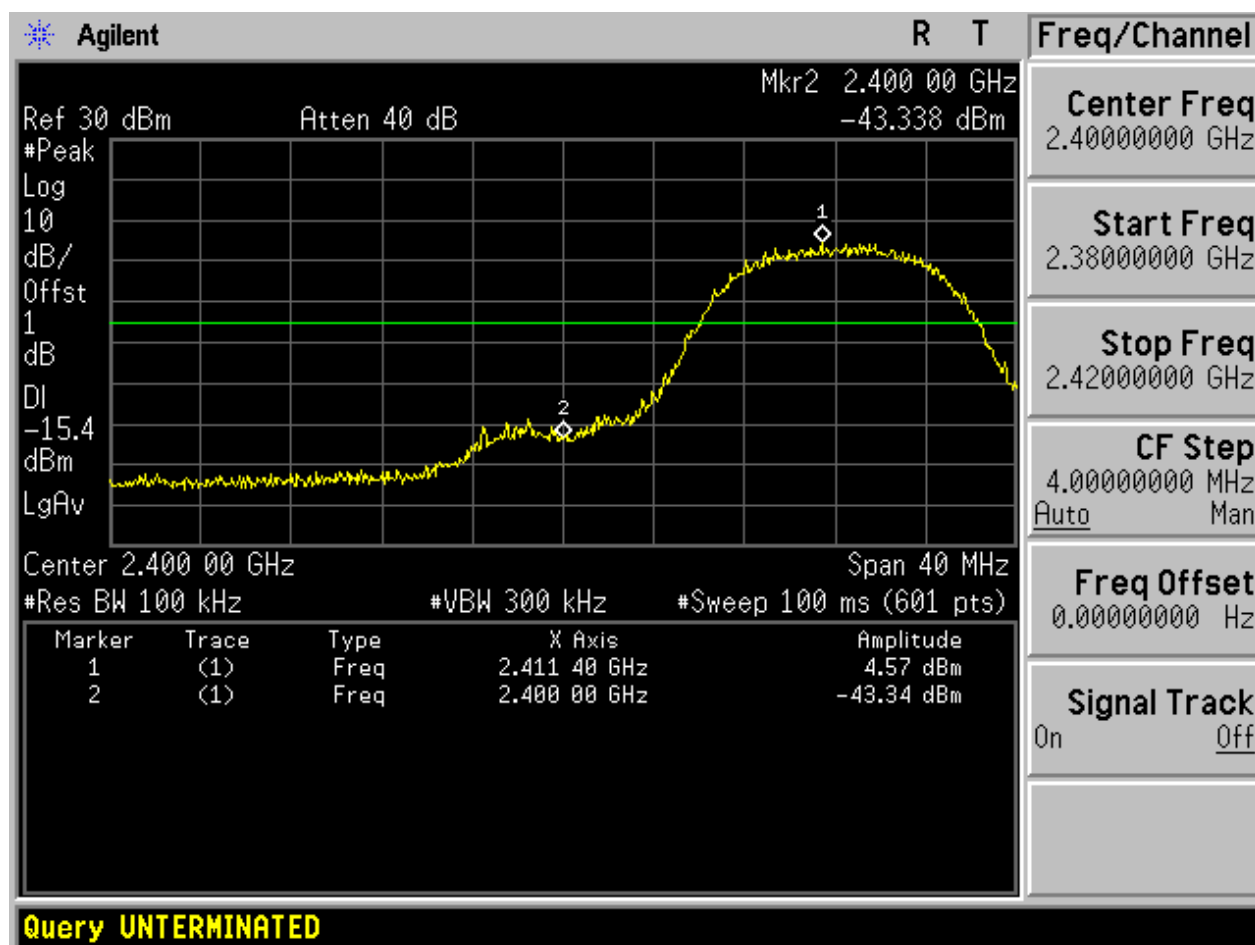
Test Mode	Test Channel	Frequency[MHz]	Ant	Carrier Power[dBm]	Max.Spurious Level[dBm]	Verdict
11B	L	2412	Ant 1	4.13	-42.40	pass
11B	L	2412	Ant 2	4.57	-43.34	pass
11B	H	2442	Ant 1	4	-52.50	pass
11B	H	2442	Ant 2	3.26	-53.33	pass
11G	L	2412	Ant 1	-0.12	-34.51	pass
11G	L	2412	Ant 2	0.15	-38.92	pass
11G	H	2442	Ant 1	0.77	-52.00	pass
11G	H	2442	Ant 2	0.19	-50.66	pass
11N20	L	2412	Ant 1	-1.23	-38.43	pass
11N20	L	2412	Ant 2	-0.75	-39.39	pass
11N20	H	2442	Ant 1	-0.28	-52.28	pass
11N20	H	2442	Ant 2	-0.54	-52.19	pass
11N20m	L	2412	Ant 1	-1.09	-40.34	pass
11N20m	L	2412	Ant 2	-0.64	-44.59	pass
11N20m	H	2442	Ant 1	-0.3	-52.91	pass
11N20m	H	2442	Ant 2	-0.68	-52.77	pass
11N40	L	2422	Ant 1	-4.26	-38.16	pass
11N40	L	2422	Ant 2	-3.21	-37.98	pass
11N40	H	2442	Ant 1	-3.69	-47.29	pass
11N40	H	2442	Ant 2	-3.7	-48.08	pass
11N40m	L	2422	Ant 1	-4.21	-35.11	pass
11N40m	L	2422	Ant 2	-2.84	-36.28	pass
11N40m	H	2442	Ant 1	-4.01	-48.98	pass
11N40m	H	2442	Ant 2	-4.05	-47.26	pass

Part II - Test Plots

2.1 11B_L@Ant 1

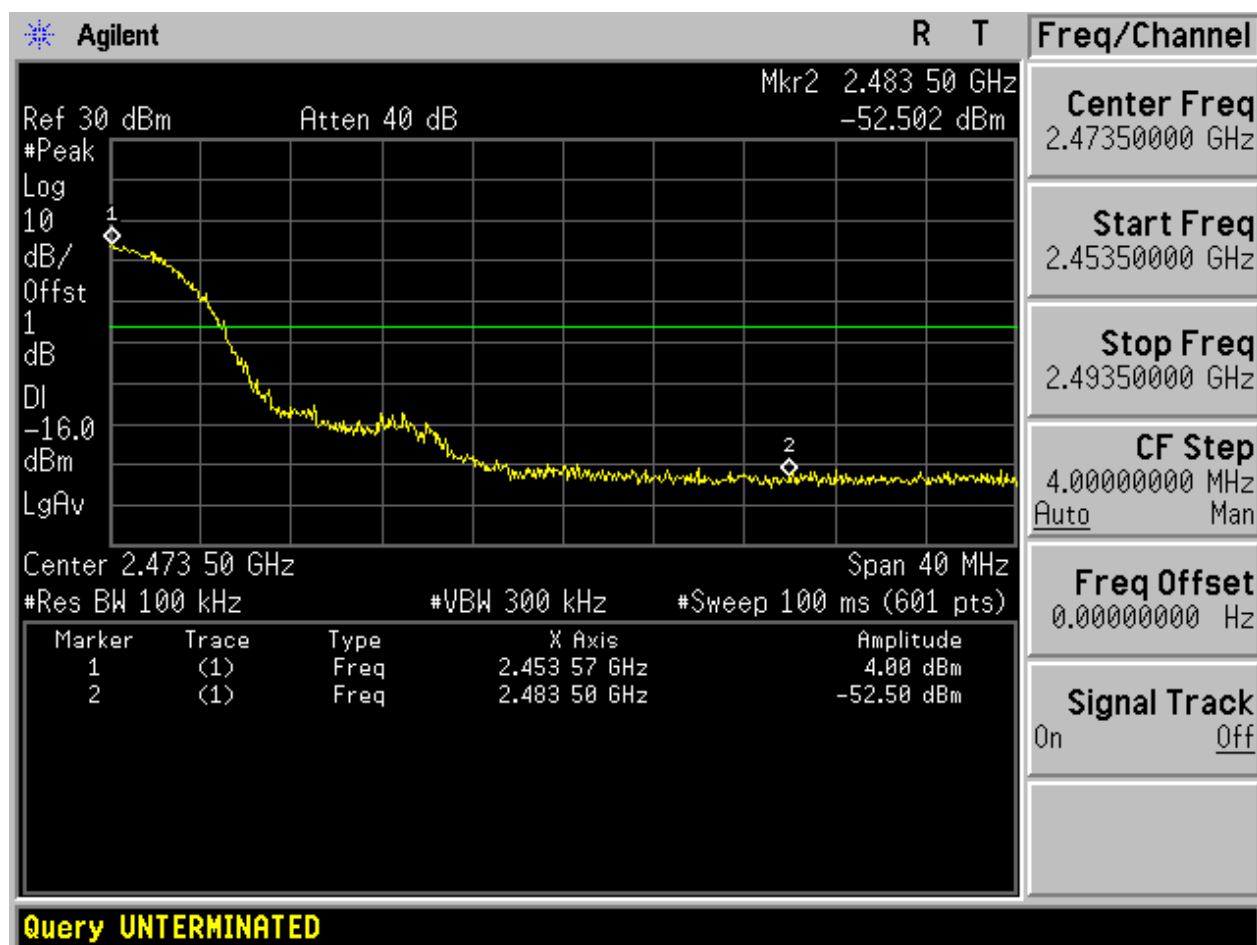


2.2 11B_L@Ant 2



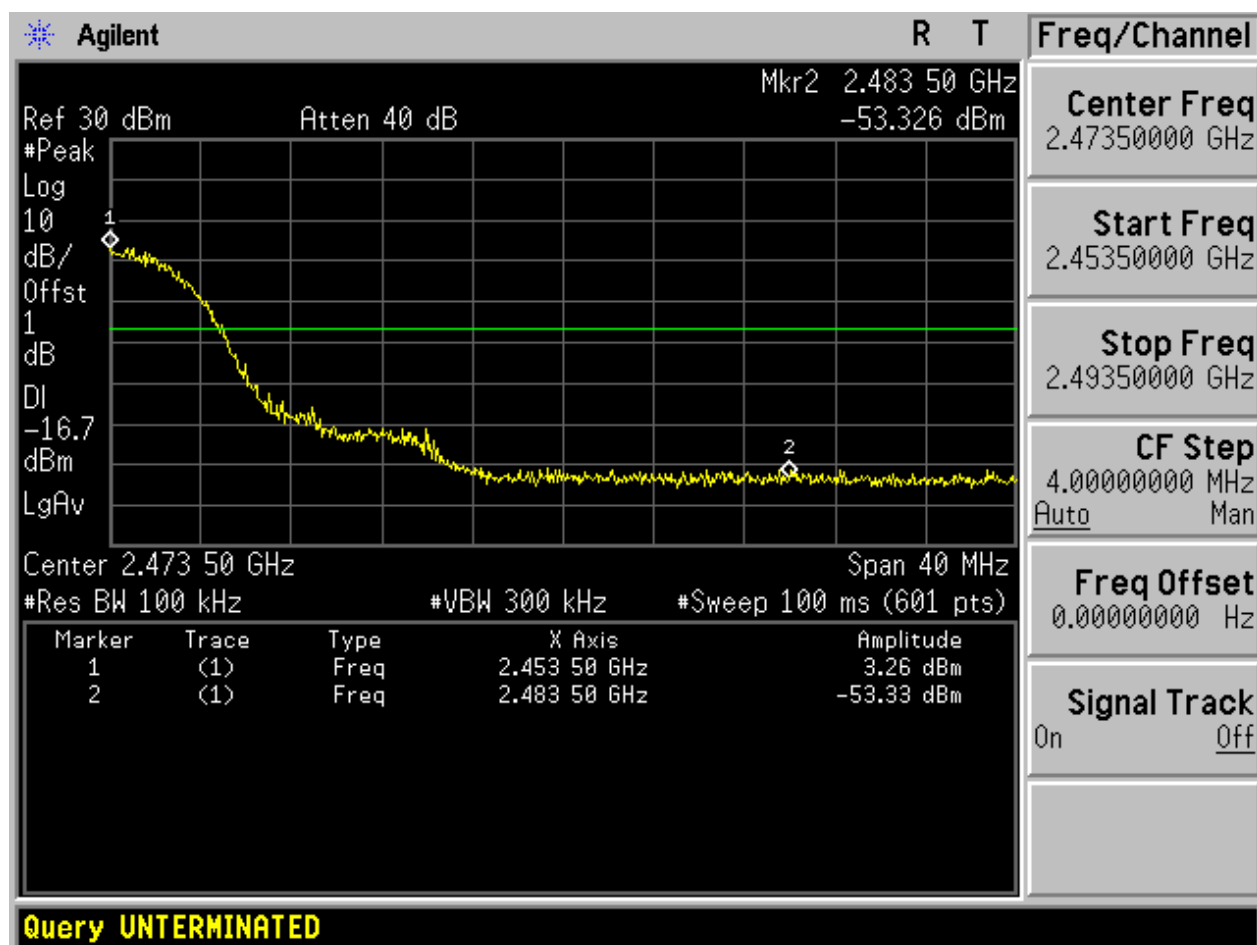


2.3 11B_H@Ant 1



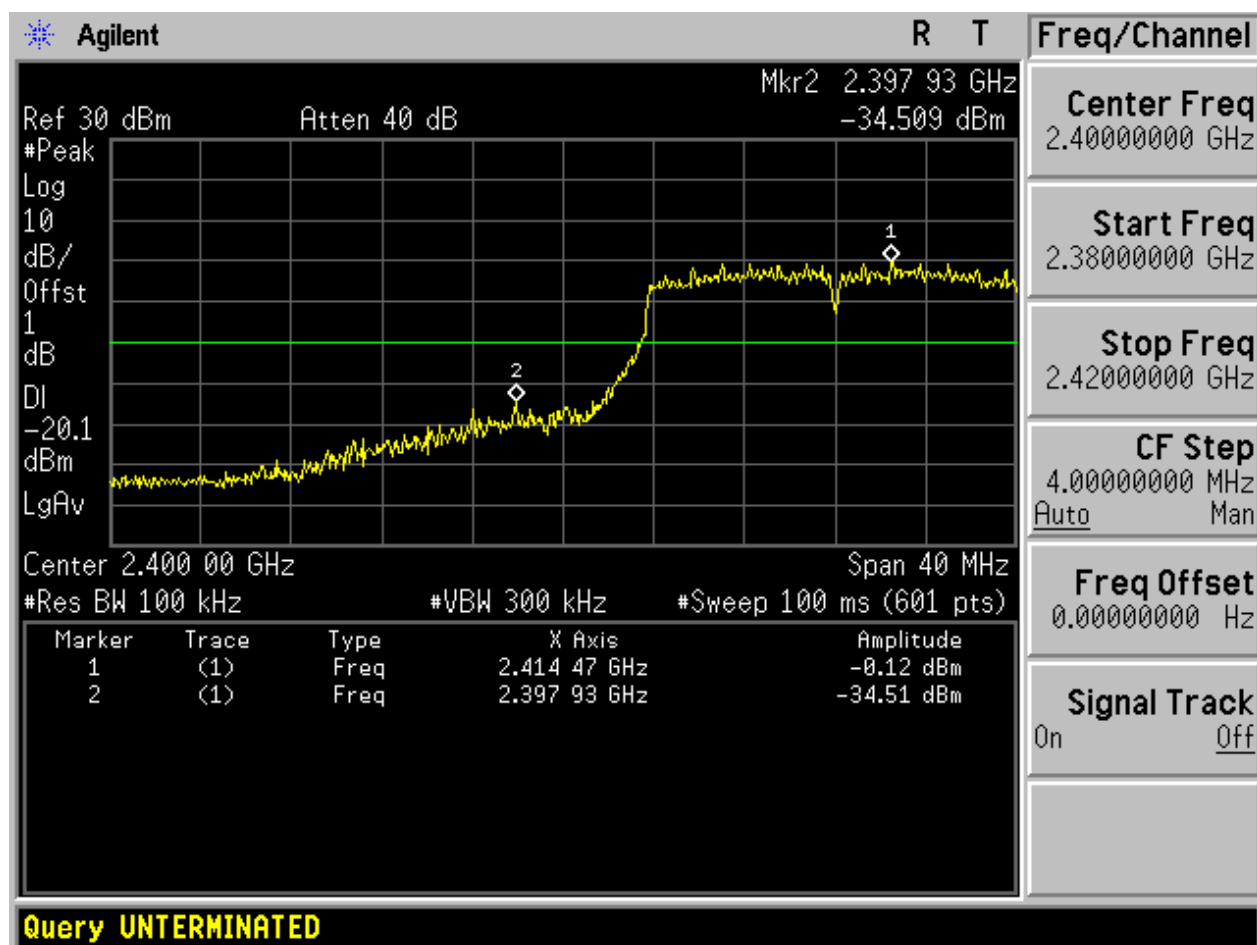


2.4 11B_H@Ant 2



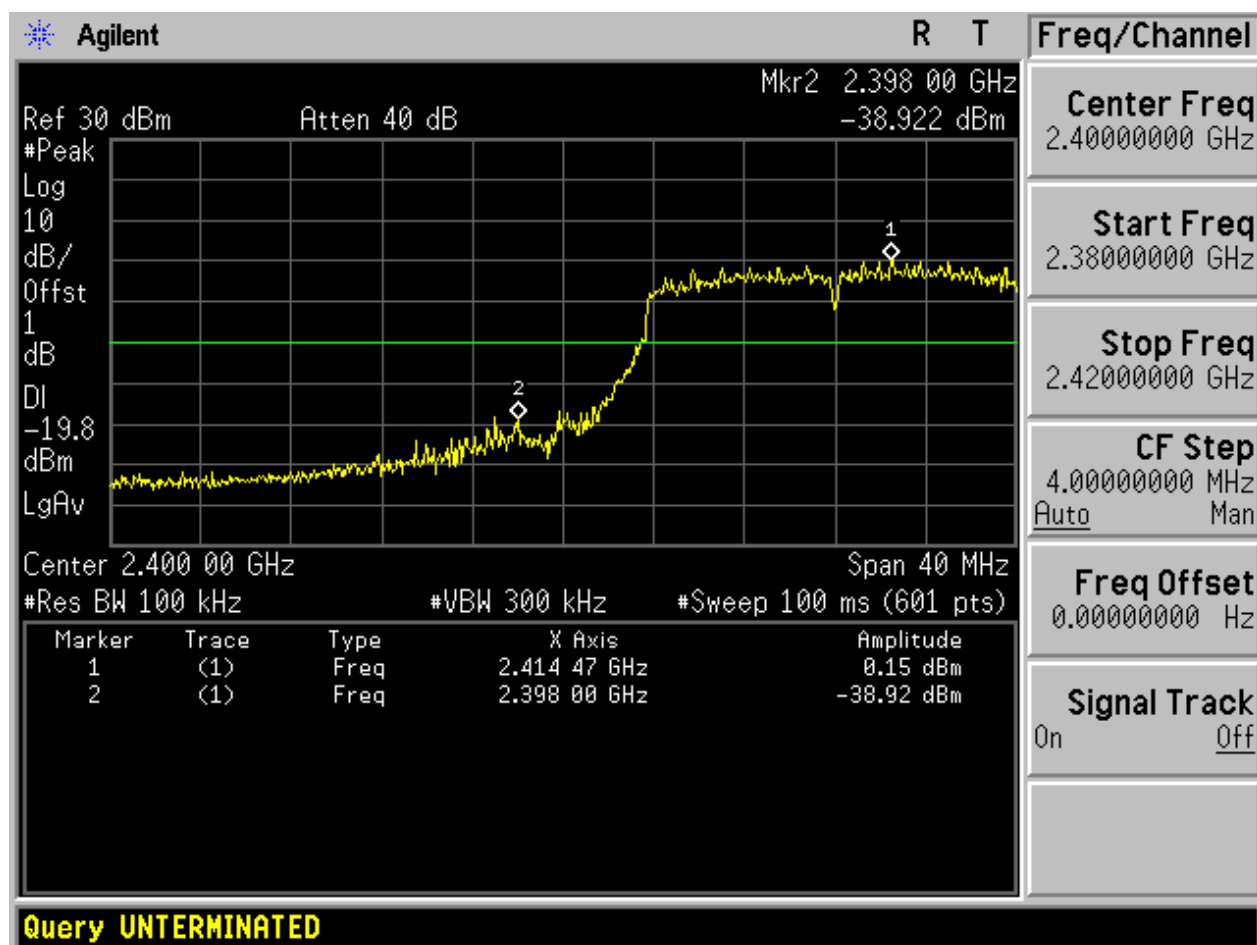


2.5 11G_L@Ant 1



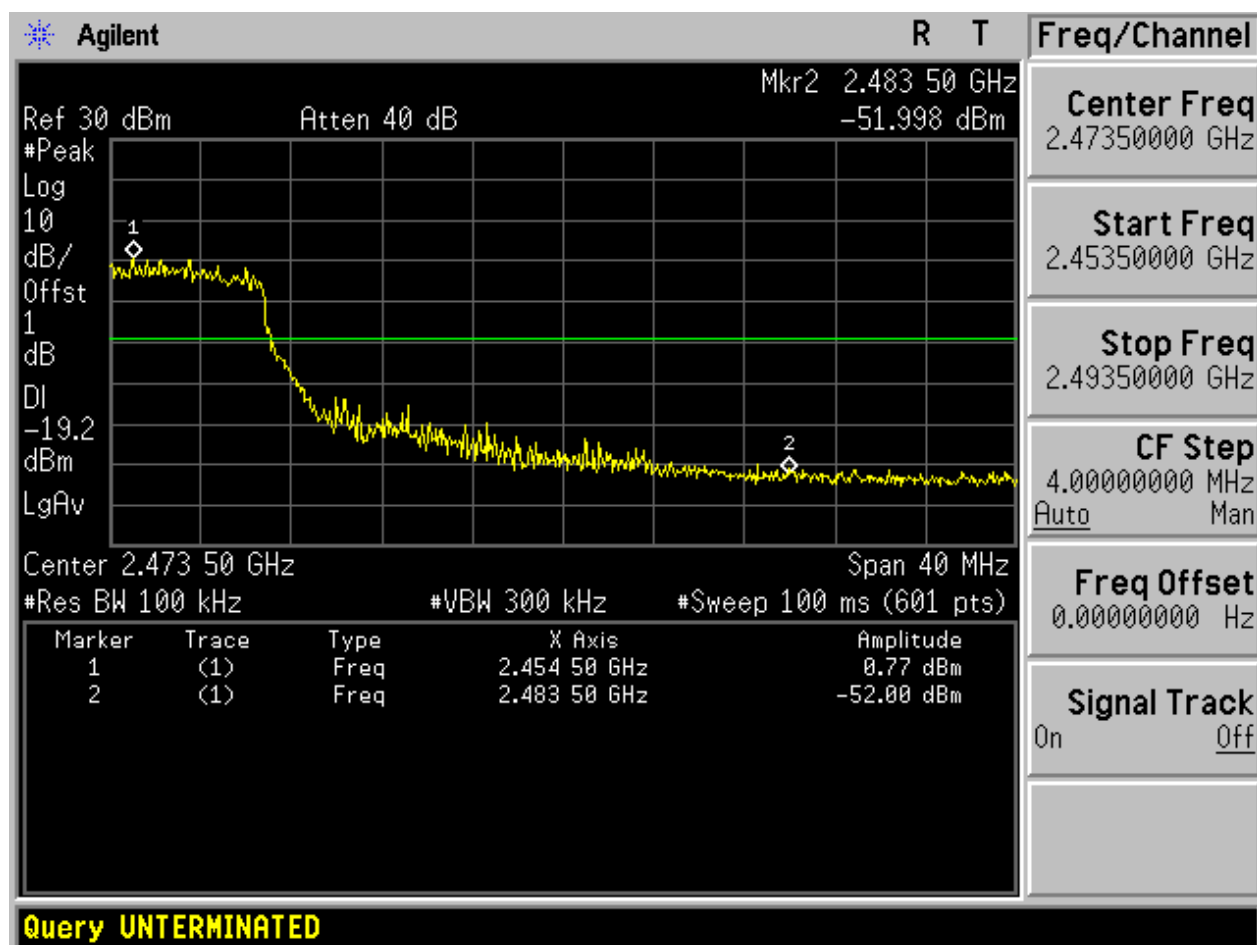


2.6 11G_L@Ant 2



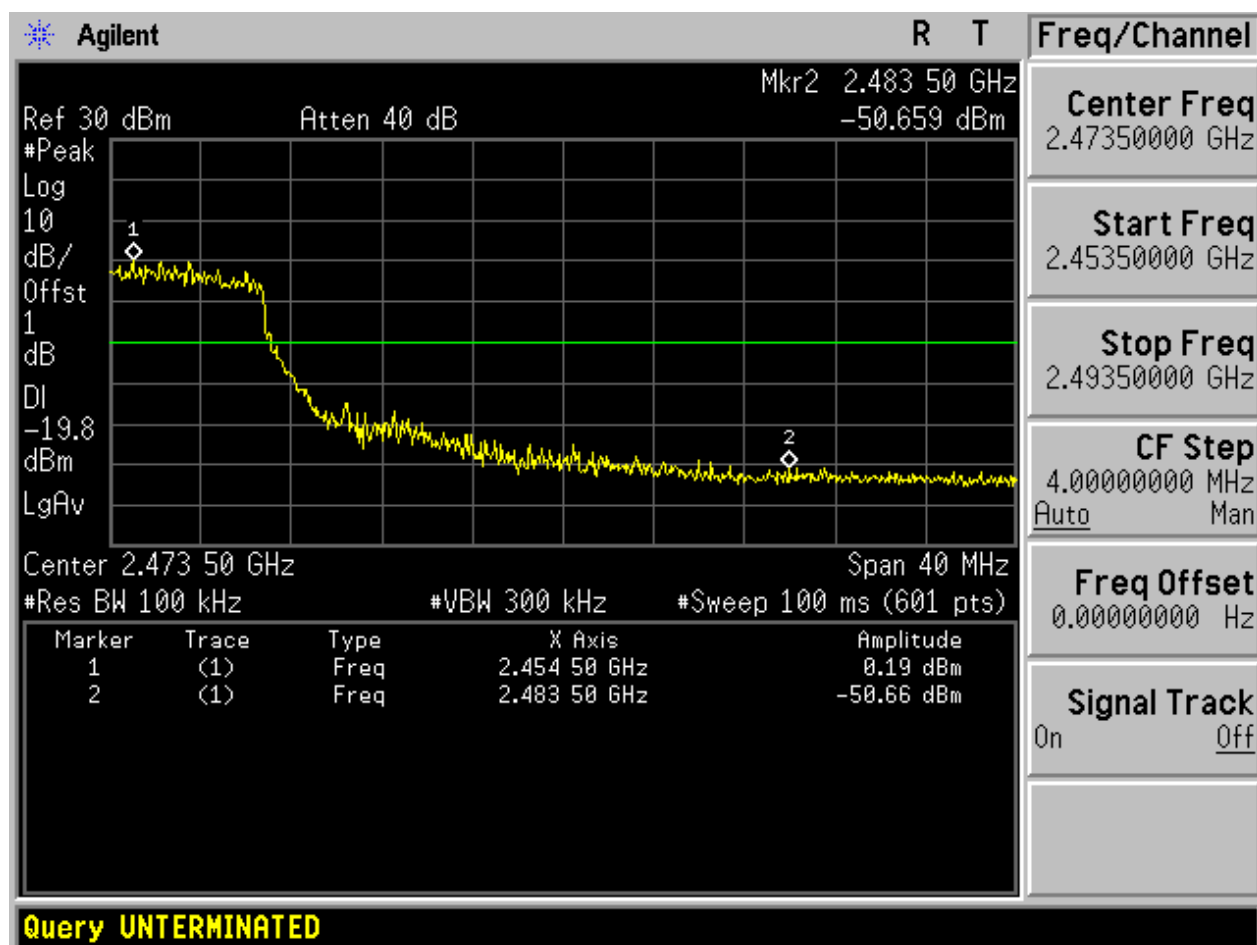


2.7 11G_H@Ant 1



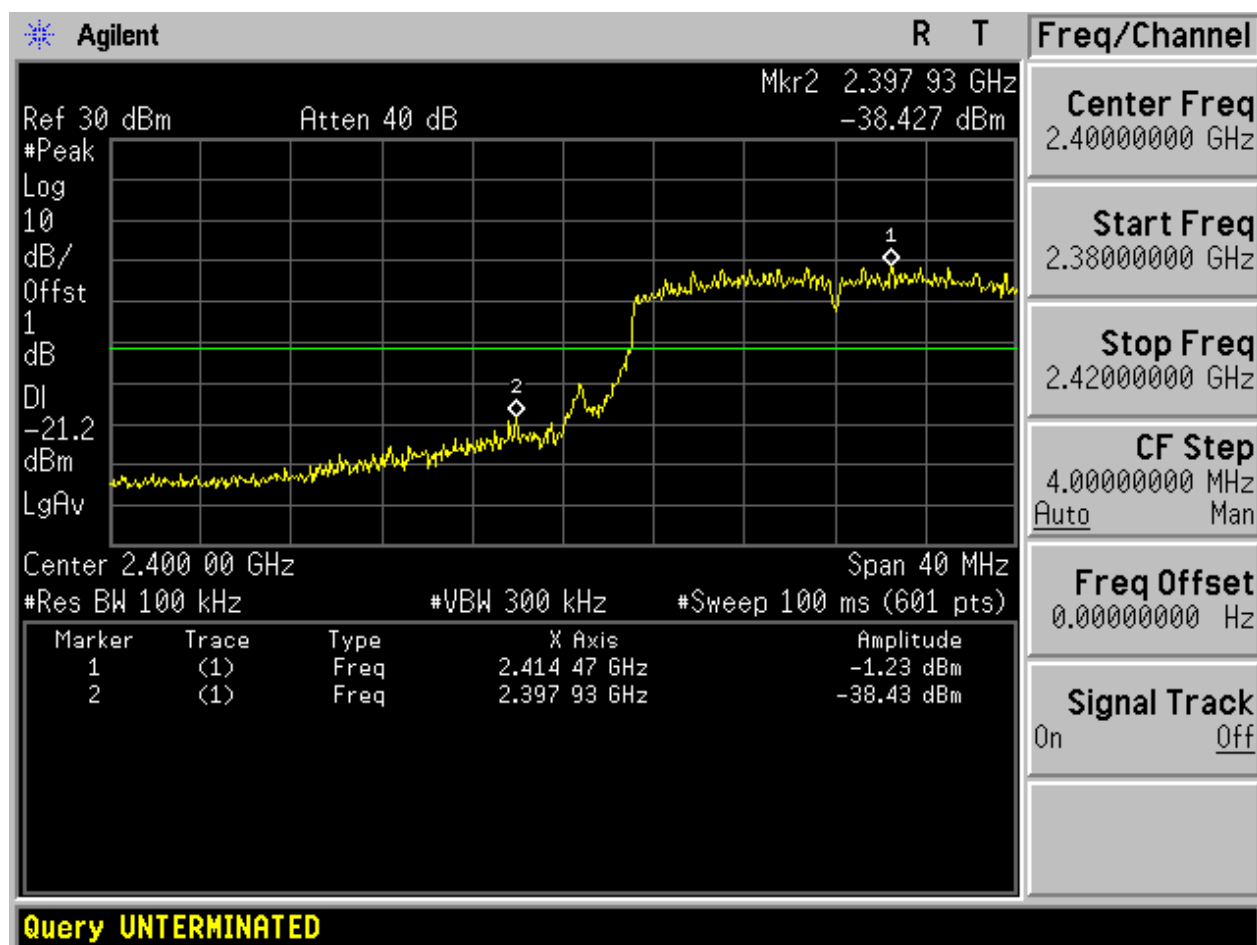


2.8 11G_H@Ant 2



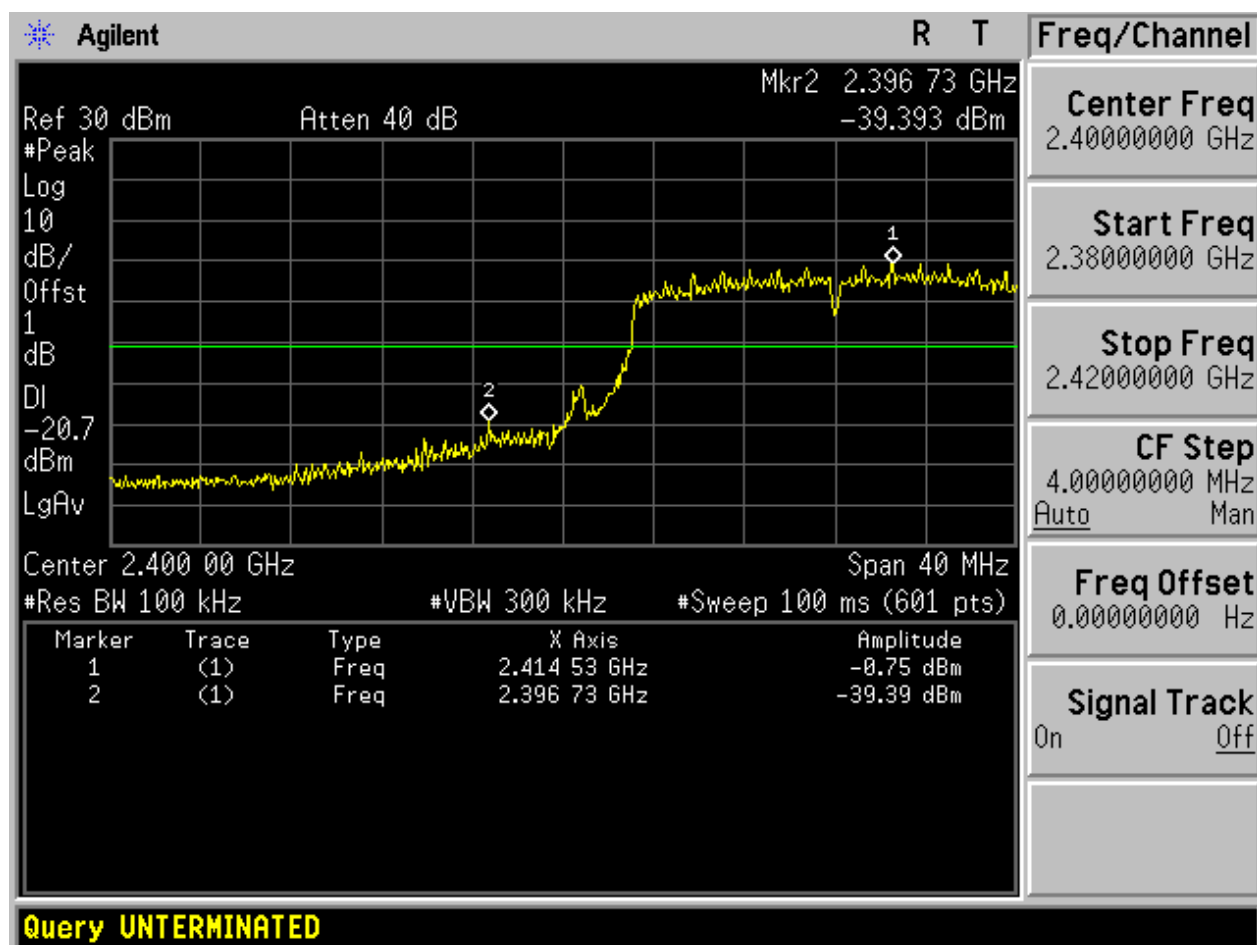


2.9 11N20_L@Ant 1



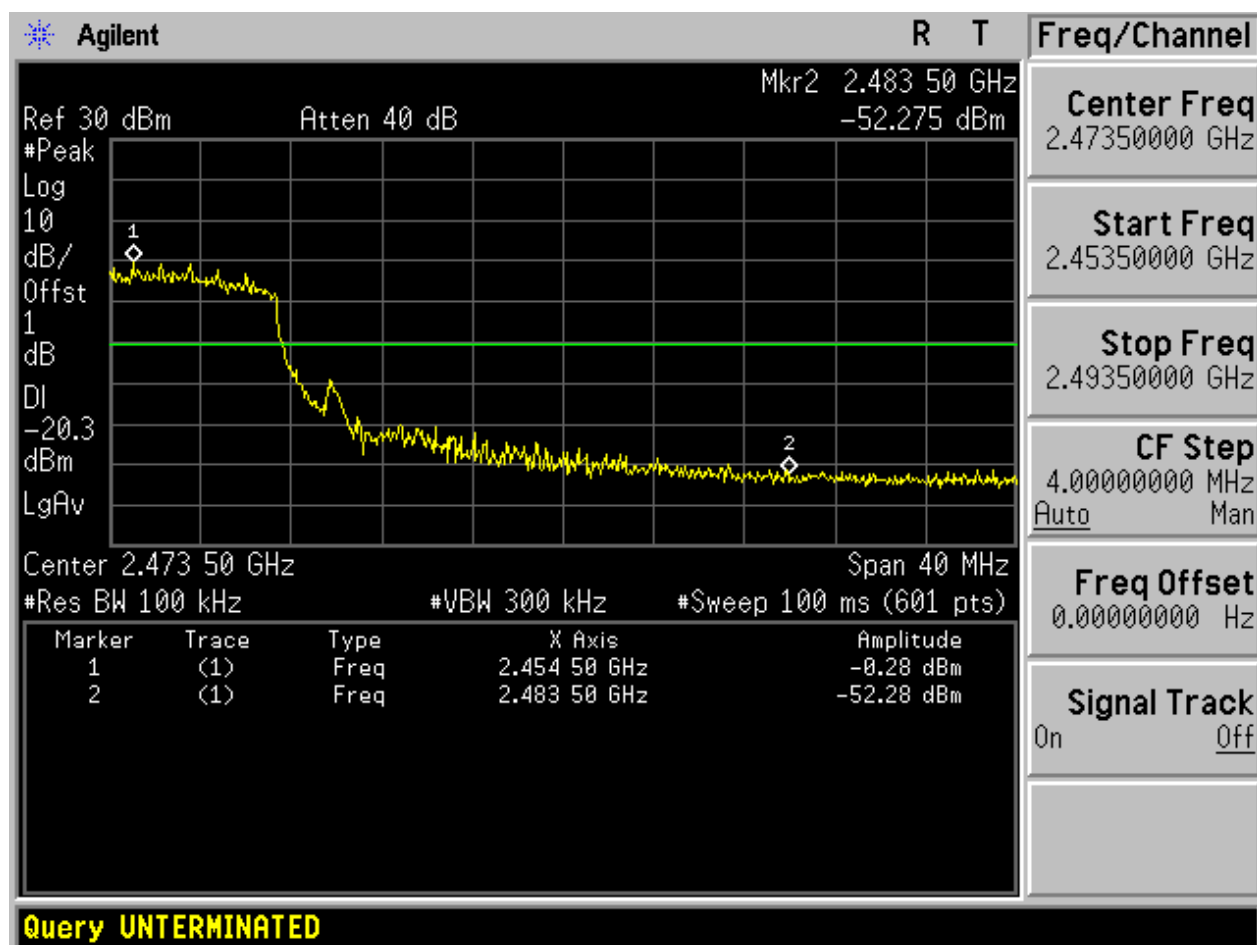


2.10 11N20_L@Ant 2



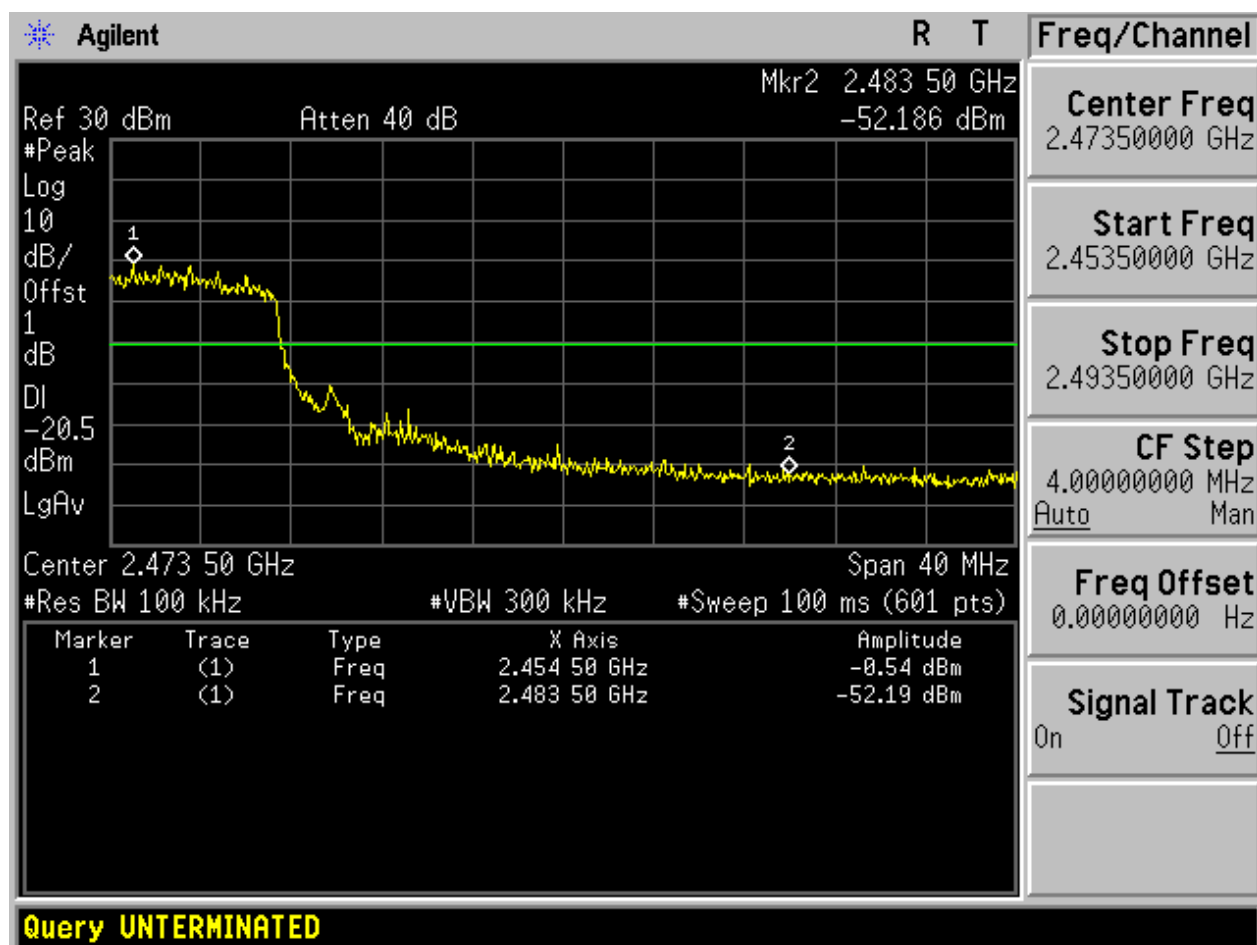


2.11 11N20_H@Ant 1



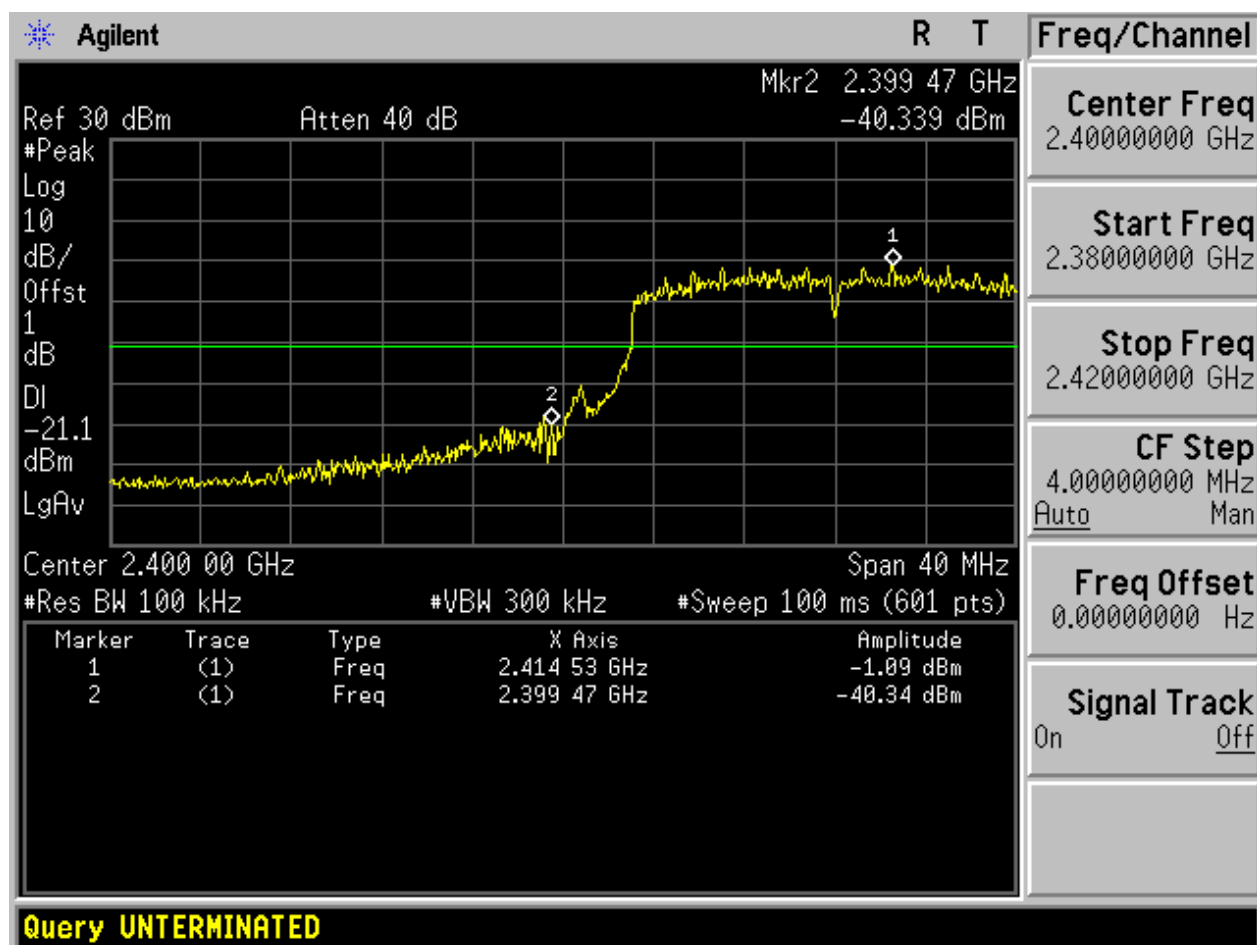


2.12 11N20_H@Ant 2



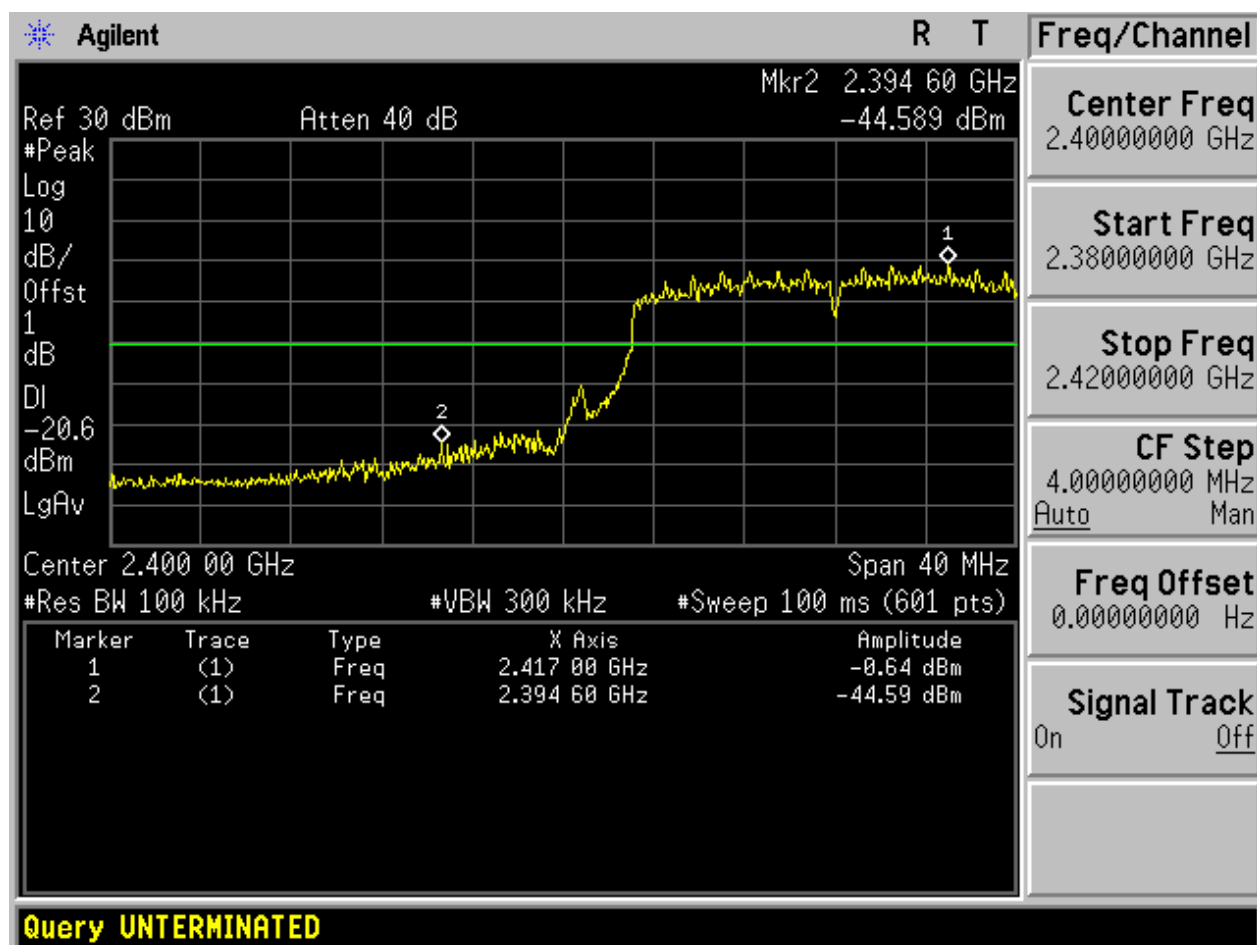


2.13 11N20m_L@Ant 1



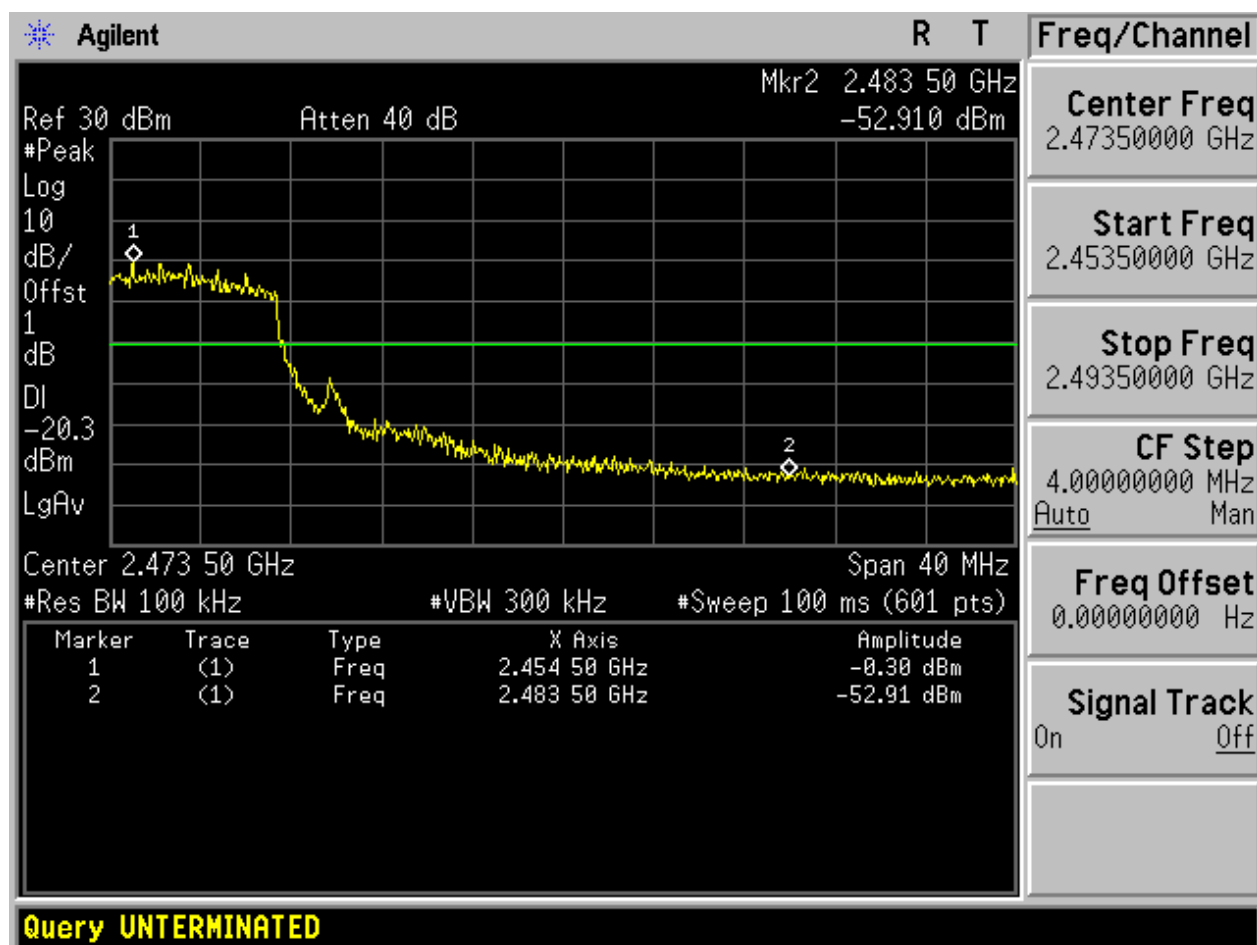


2.14 11N20m_L@Ant 2

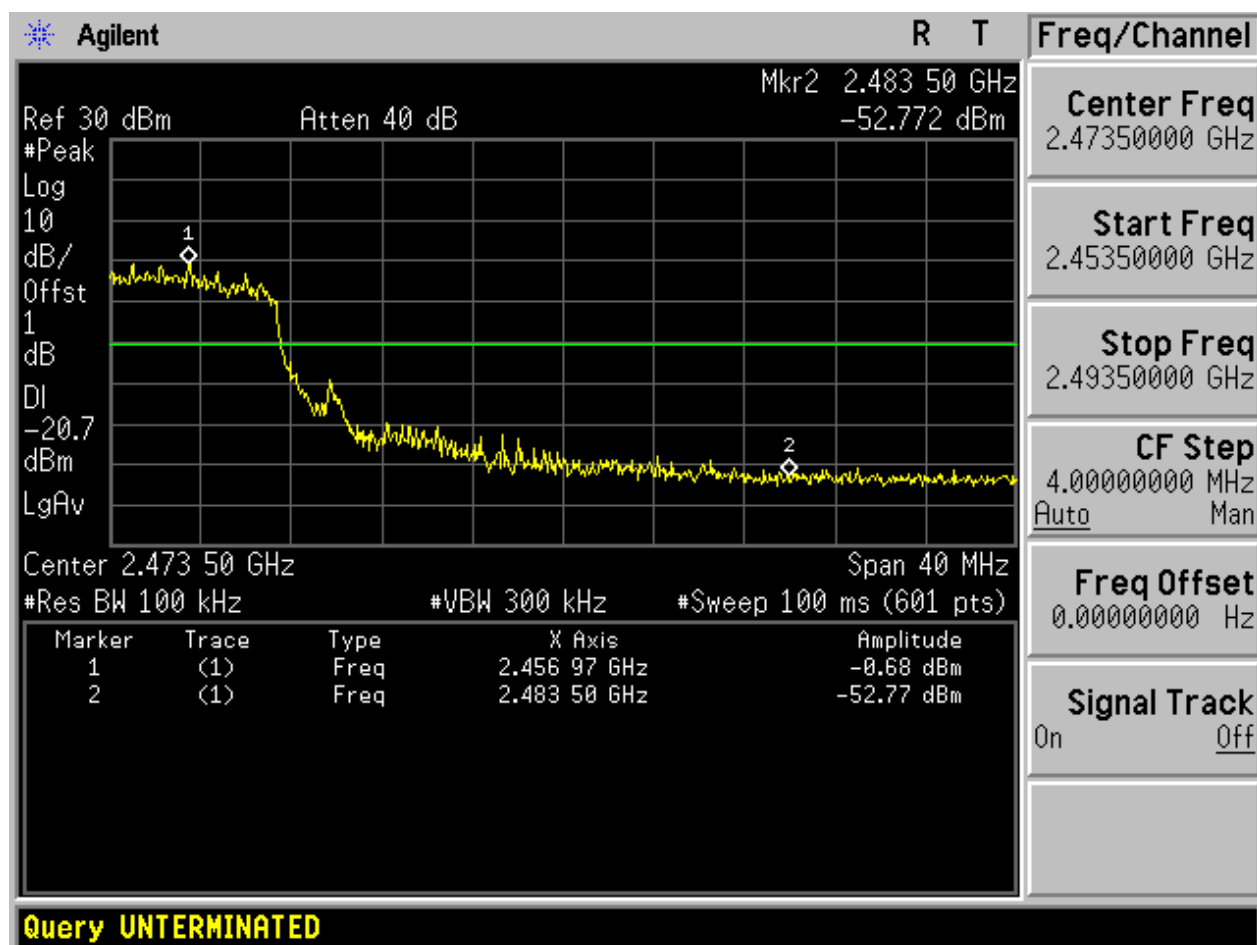




2.15 11N20m_H@Ant 1

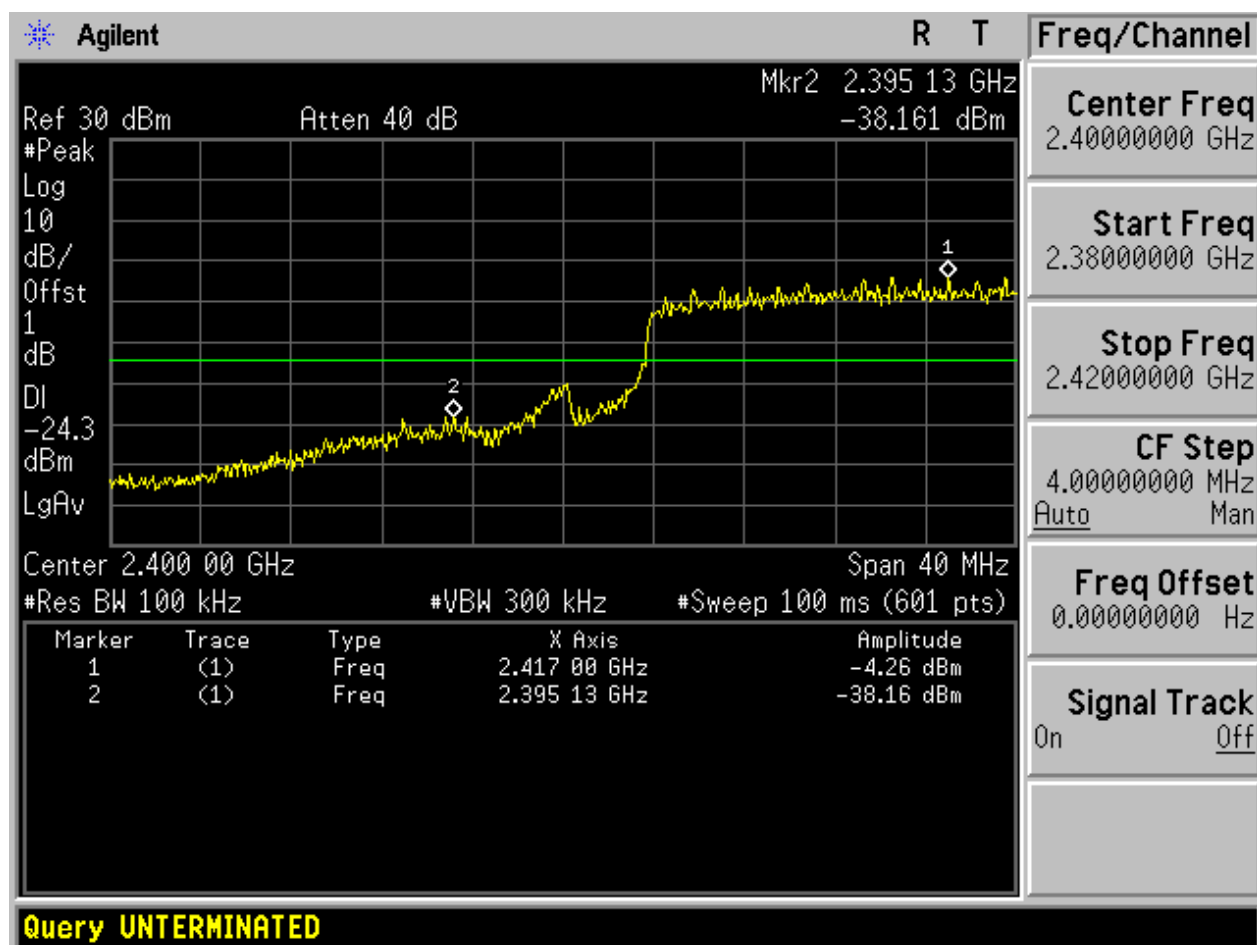


2.16 11N20m_H@Ant 2



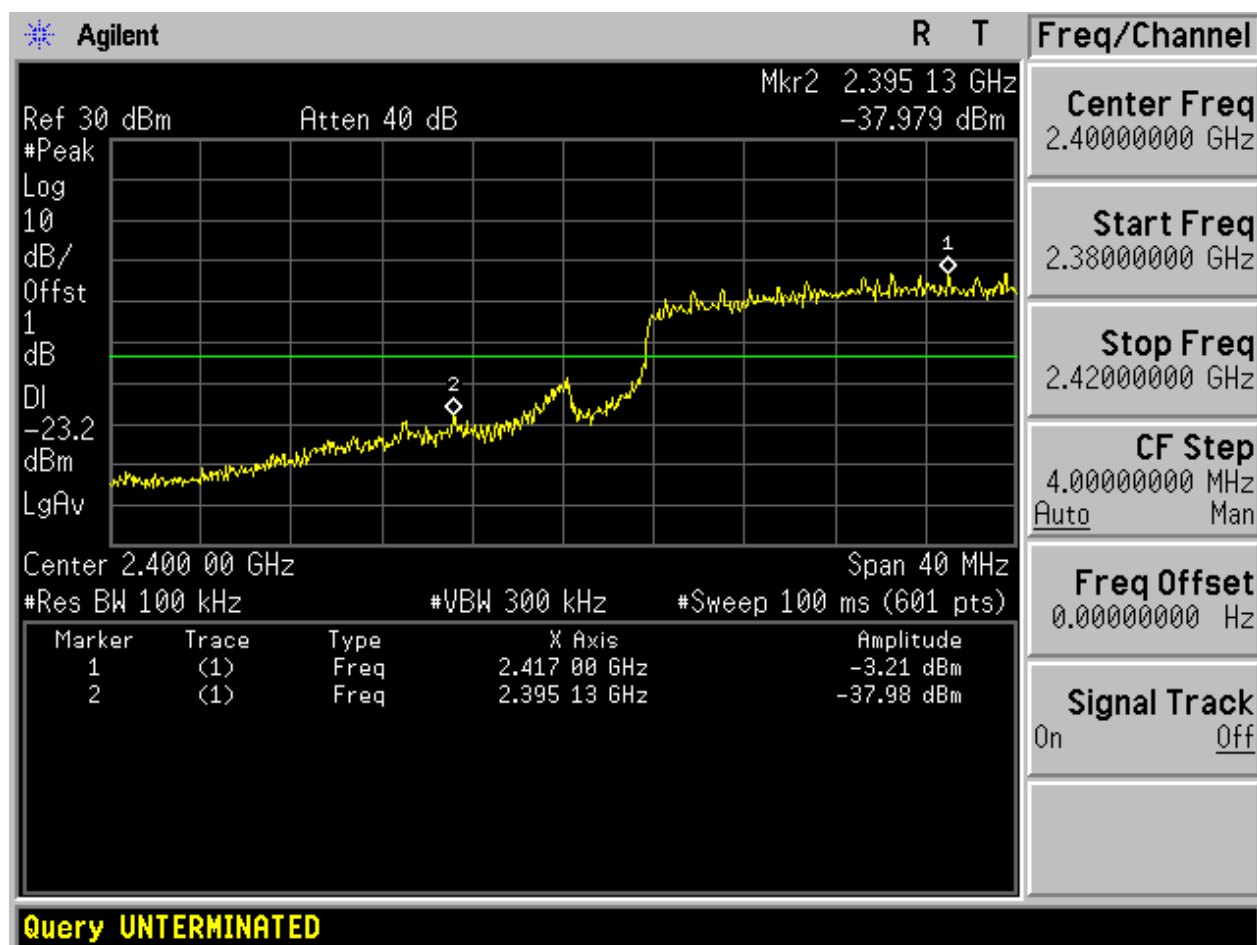


2.17 11N40_L@Ant 1



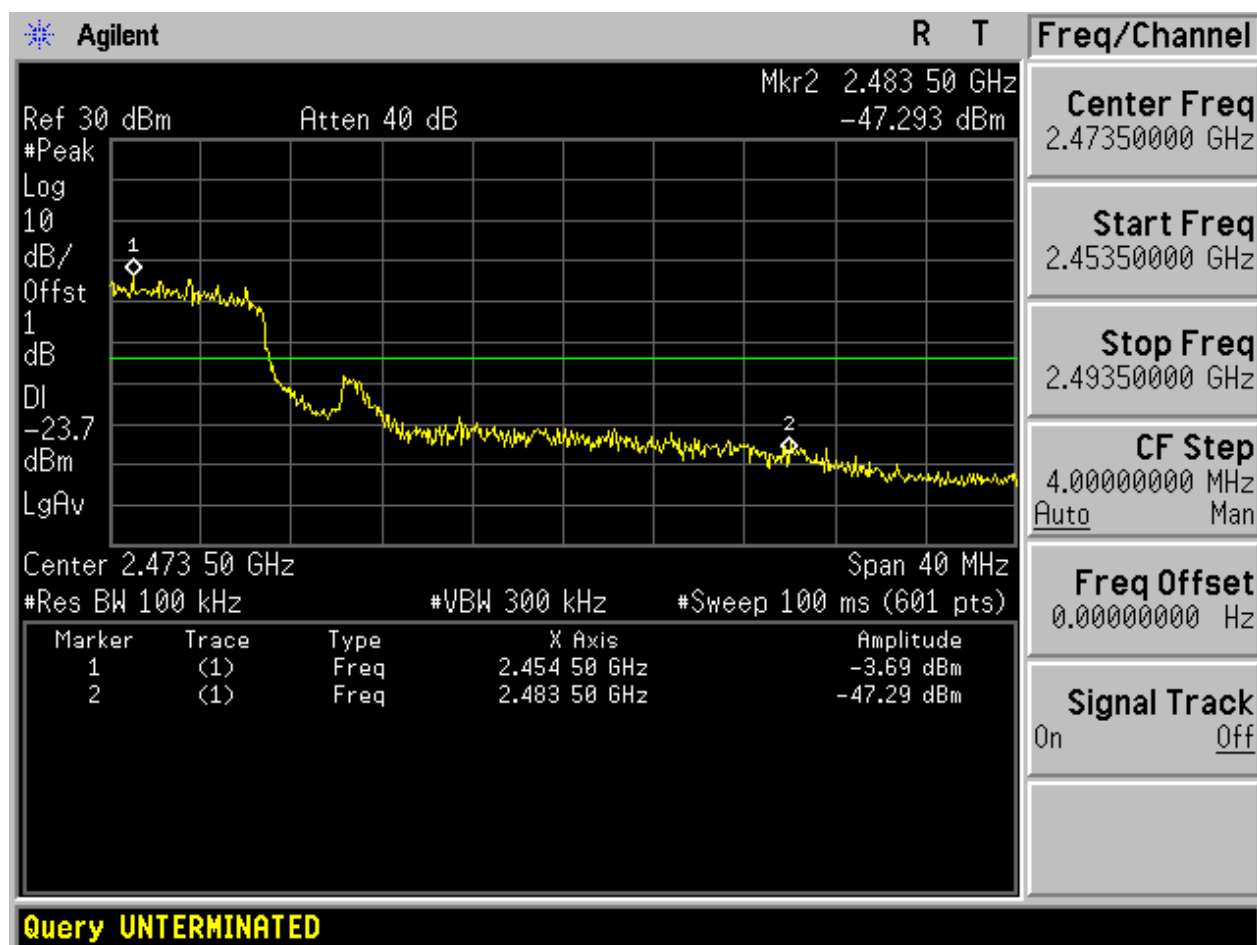


2.18 11N40_L@Ant 2



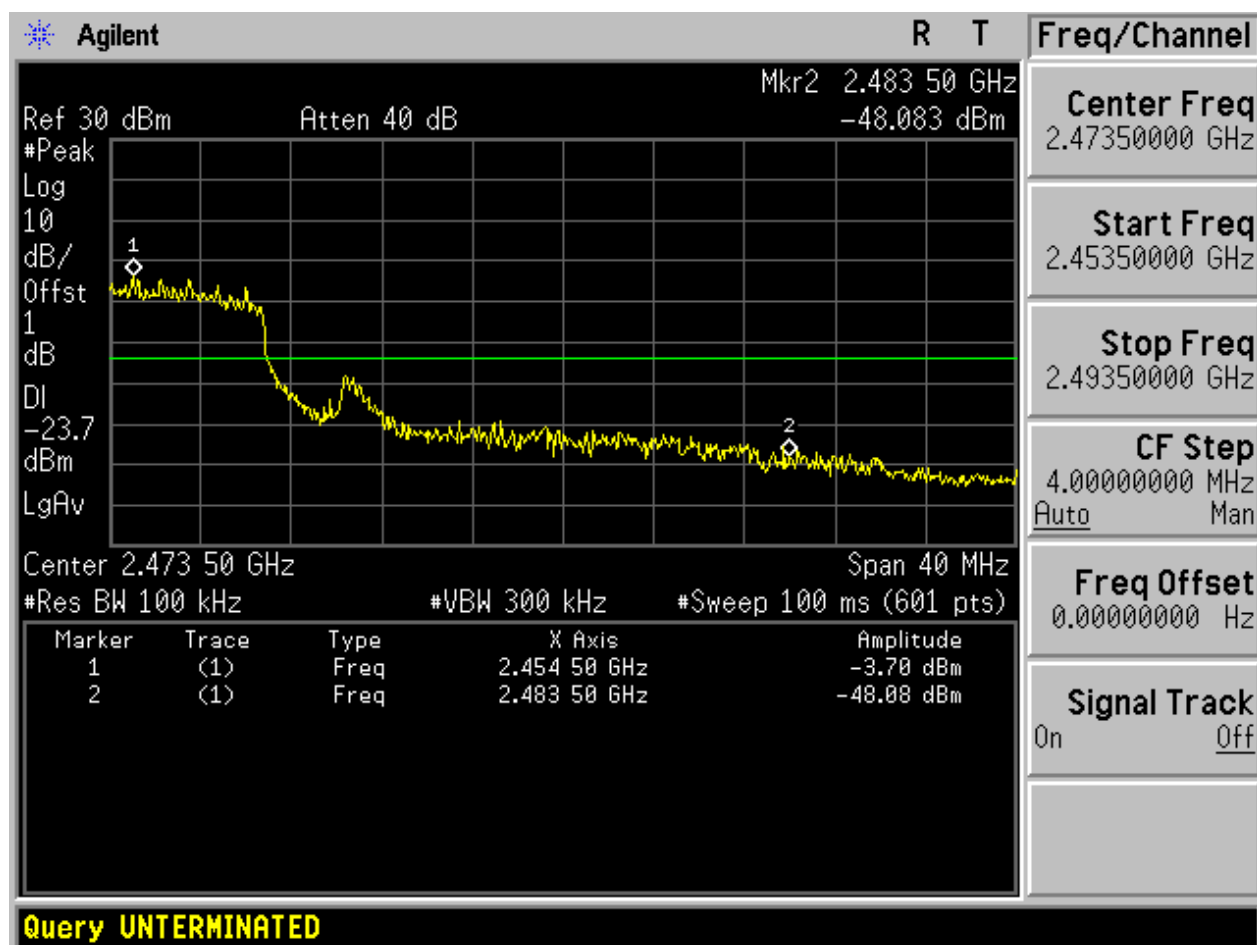


2.19 11N40_H@Ant 1



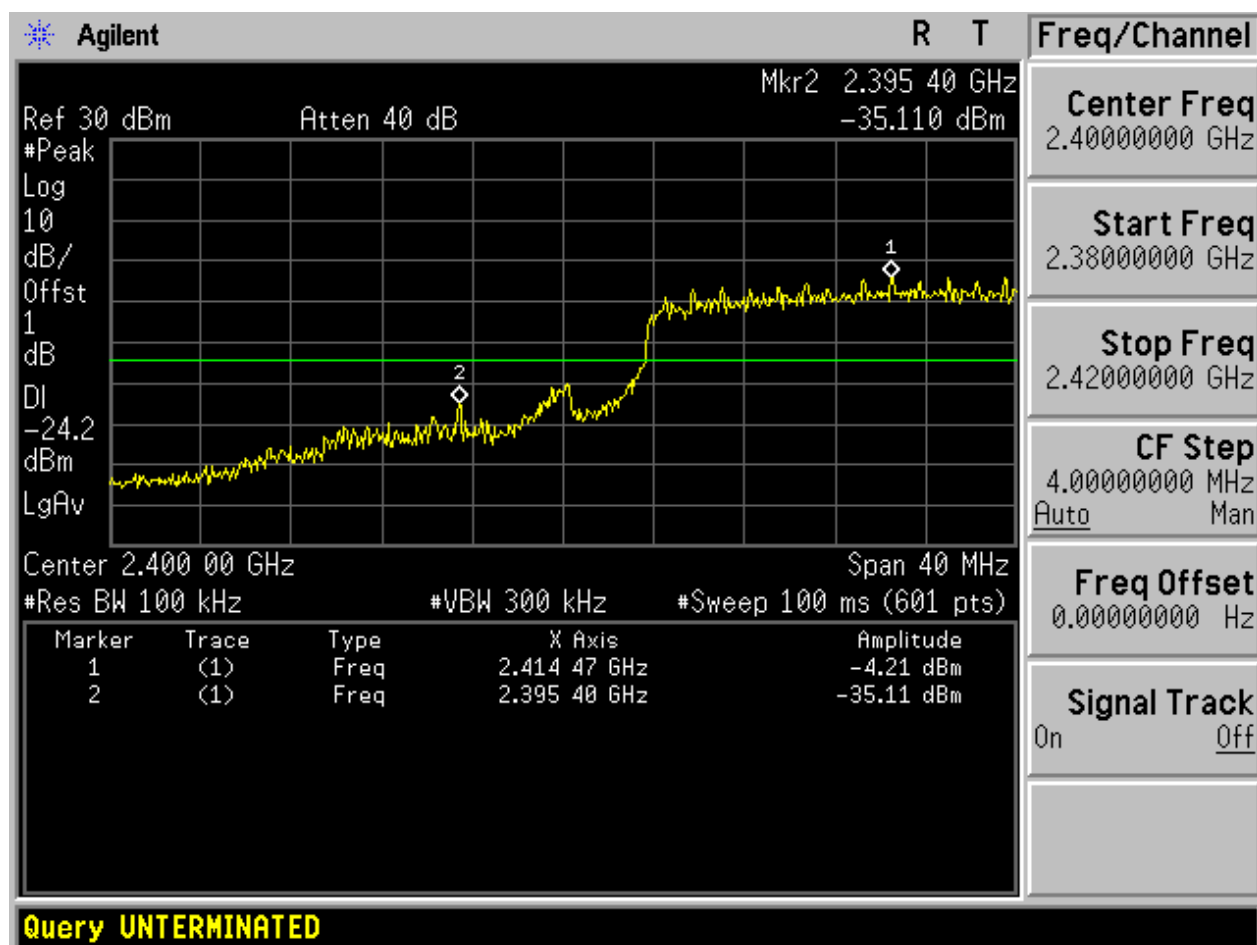


2.20 11N40_H@Ant 2



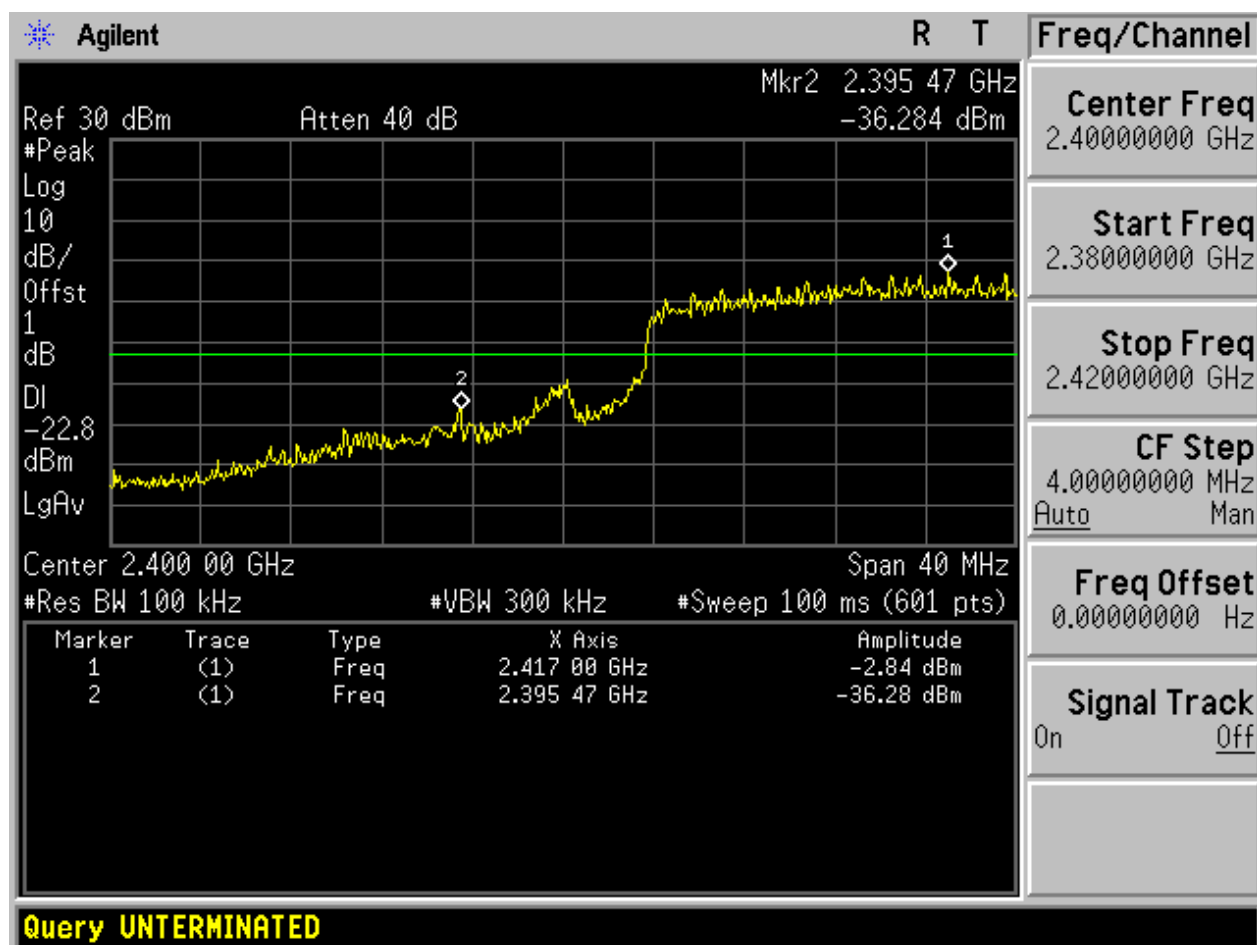


2.21 11N40m_L@Ant 1



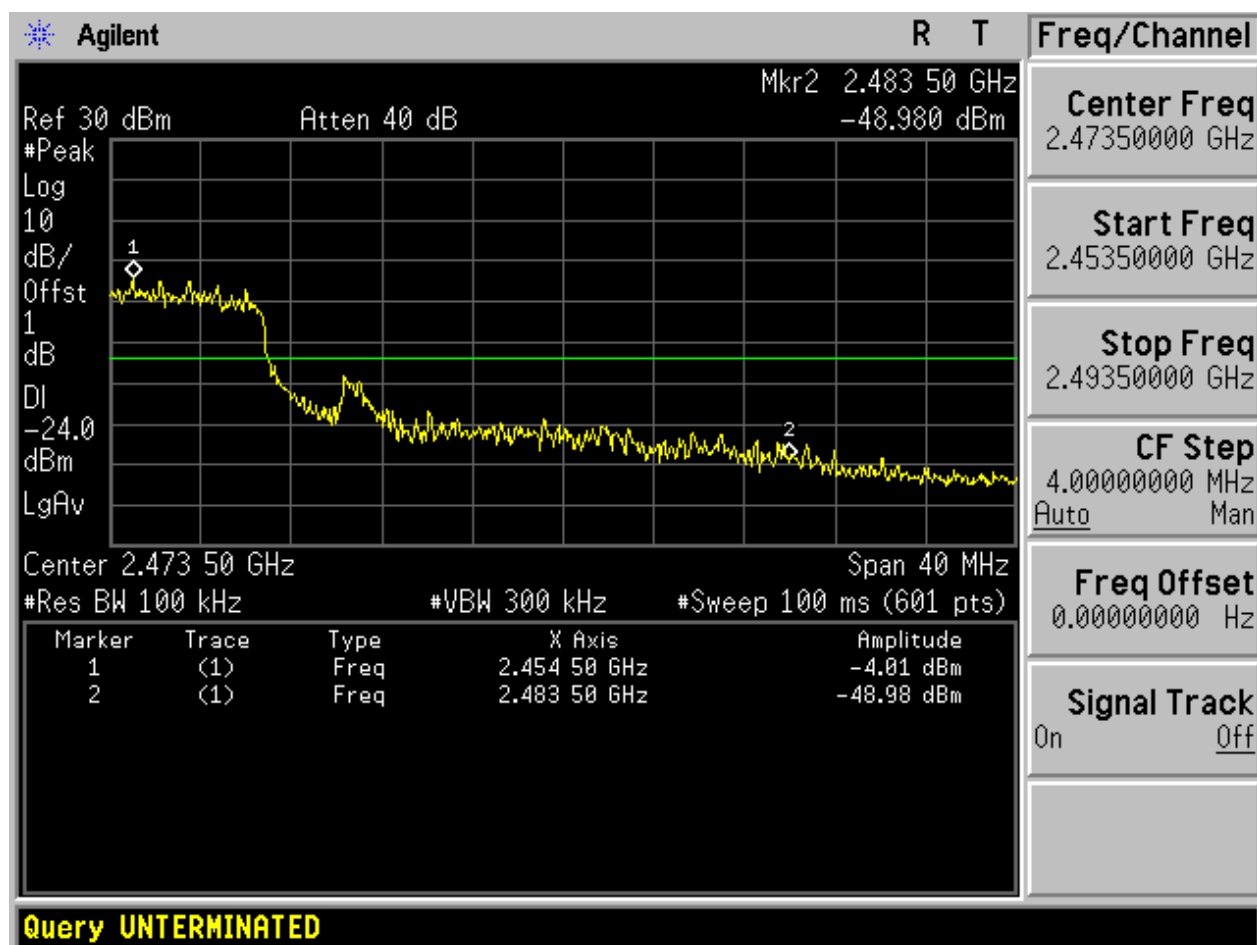


2.22 11N40m_L@Ant 2



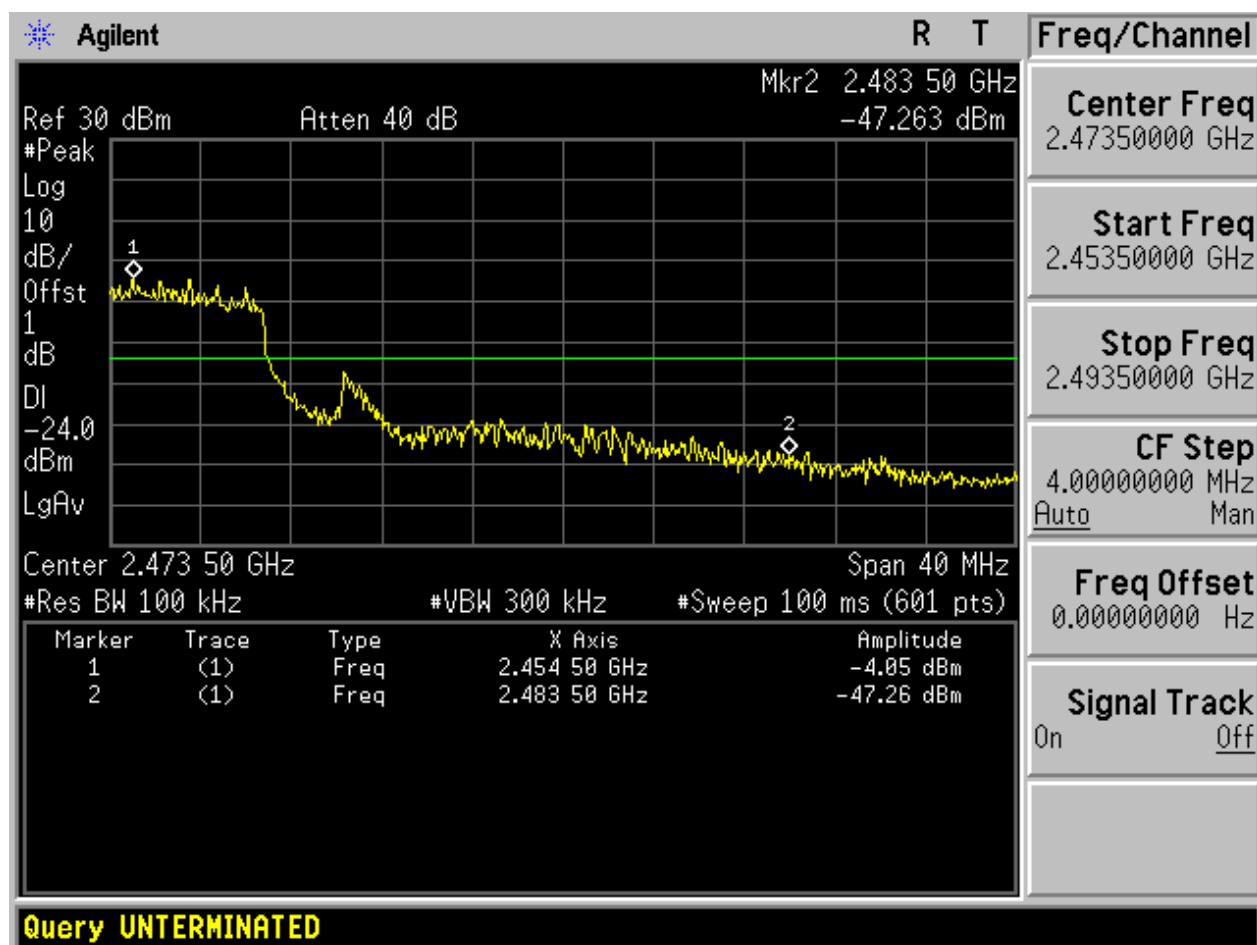


2.23 11N40m_H@Ant 1





2.24 11N40m_H@Ant 2



Appendix E: 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

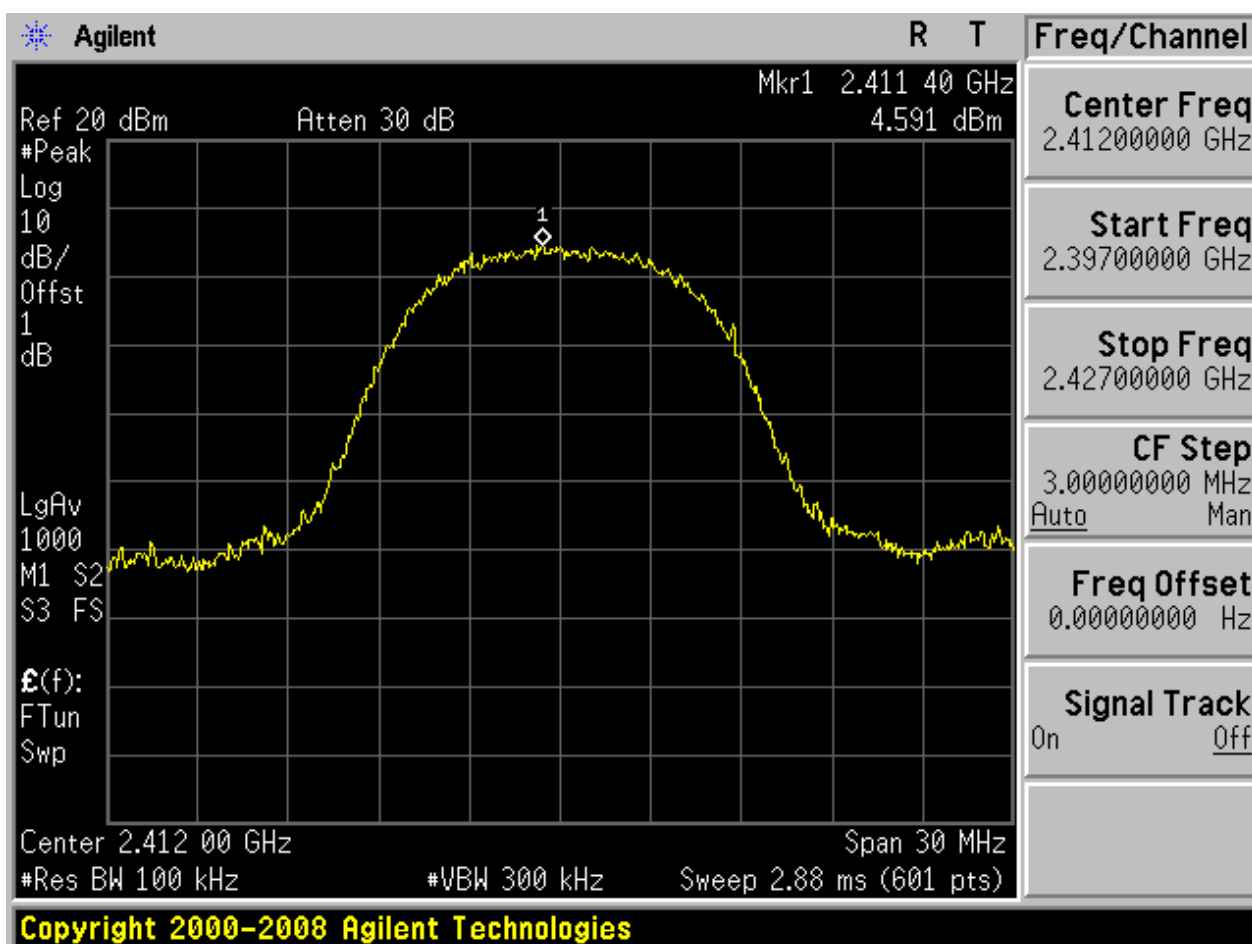
Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11B	L	2412	Ant 1	4.59	<limit	pass
11B	L	2412	Ant 2	5.21	<limit	pass
11B	M	2432	Ant 1	5.16	<limit	pass
11B	M	2432	Ant 2	5.22	<limit	pass
11B	H	2442	Ant 1	6.29	<limit	pass
11B	H	2442	Ant 2	4.95	<limit	pass
11G	L	2412	Ant 1	0.05	<limit	pass
11G	L	2412	Ant 2	0.38	<limit	pass
11G	M	2432	Ant 1	1.05	<limit	pass
11G	M	2432	Ant 2	0.56	<limit	pass
11G	H	2442	Ant 1	1	<limit	pass
11G	H	2442	Ant 2	0.61	<limit	pass
11N20	L	2412	Ant 1	-1.19	<limit	pass
11N20	L	2412	Ant 2	-0.42	<limit	pass
11N20	M	2432	Ant 1	0.14	<limit	pass
11N20	M	2432	Ant 2	-0.3	<limit	pass
11N20	H	2442	Ant 1	-0.31	<limit	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11N20	H	2442	Ant 2	-0.23	<limit	pass
11N20m	L	2412	Ant 1	-1.06	<limit	pass
11N20m	L	2412	Ant 2	-0.39	<limit	pass
11N20m	M	2432	Ant 1	0.18	<limit	pass
11N20m	M	2432	Ant 2	-0.39	<limit	pass
11N20m	H	2442	Ant 1	0.06	<limit	pass
11N20m	H	2442	Ant 2	-0.48	<limit	pass
11N40	L	2422	Ant 1	-3.04	<limit	pass
11N40	L	2422	Ant 2	-2.97	<limit	pass
11N40	M	2432	Ant 1	-2.98	<limit	pass
11N40	M	2432	Ant 2	-2.96	<limit	pass
11N40	H	2442	Ant 1	-2.47	<limit	pass
11N40	H	2442	Ant 2	-2.74	<limit	pass
11N40m	L	2422	Ant 1	-2.98	<limit	pass
11N40m	L	2422	Ant 2	-2.79	<limit	pass
11N40m	M	2432	Ant 1	-3.11	<limit	pass
11N40m	M	2432	Ant 2	-3.48	<limit	pass
11N40m	H	2442	Ant 1	-2.74	<limit	pass
11N40m	H	2442	Ant 2	-2.87	<limit	pass

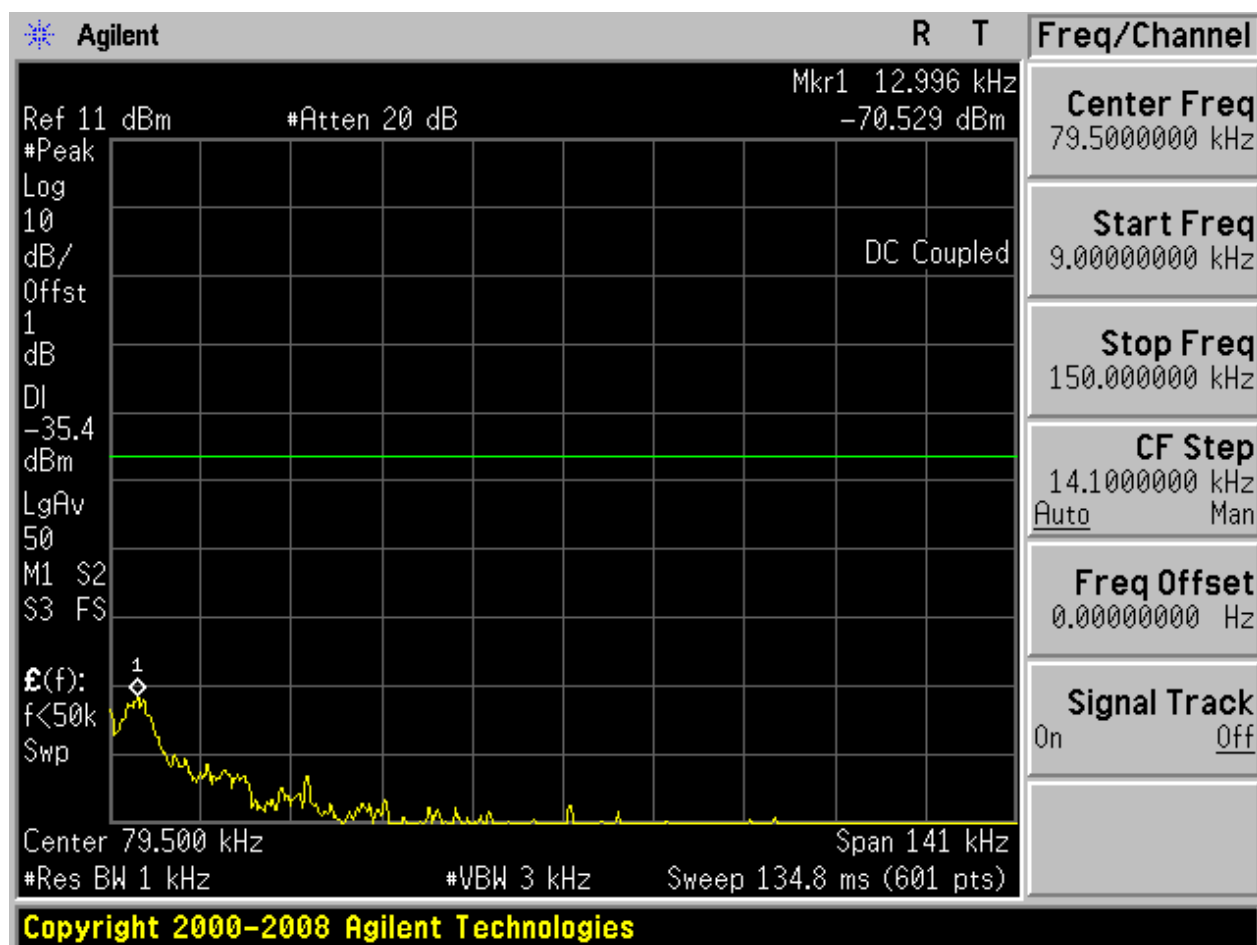
Part II - Test Plots

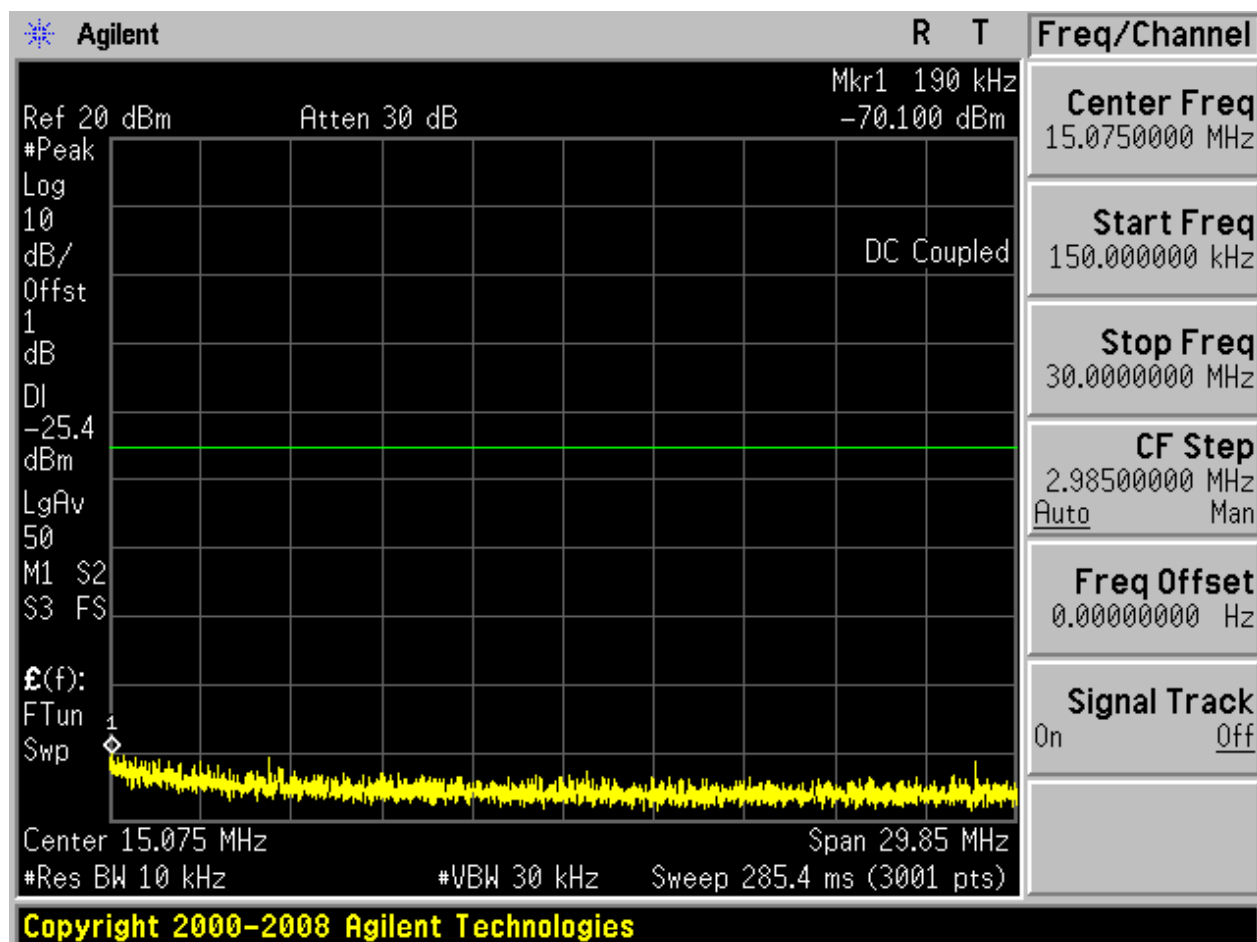
2.1 11B_L@Ant 1

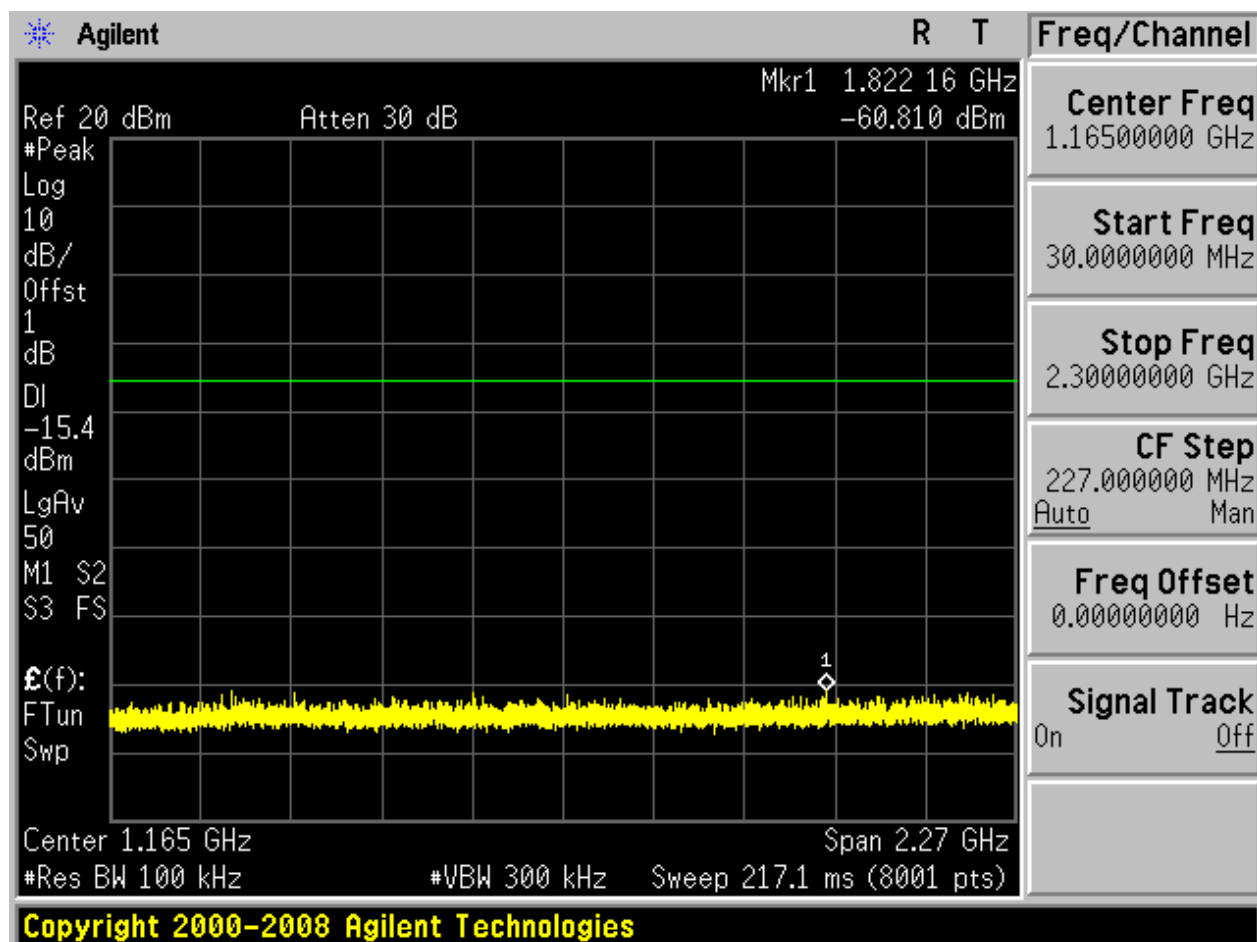
Pref:

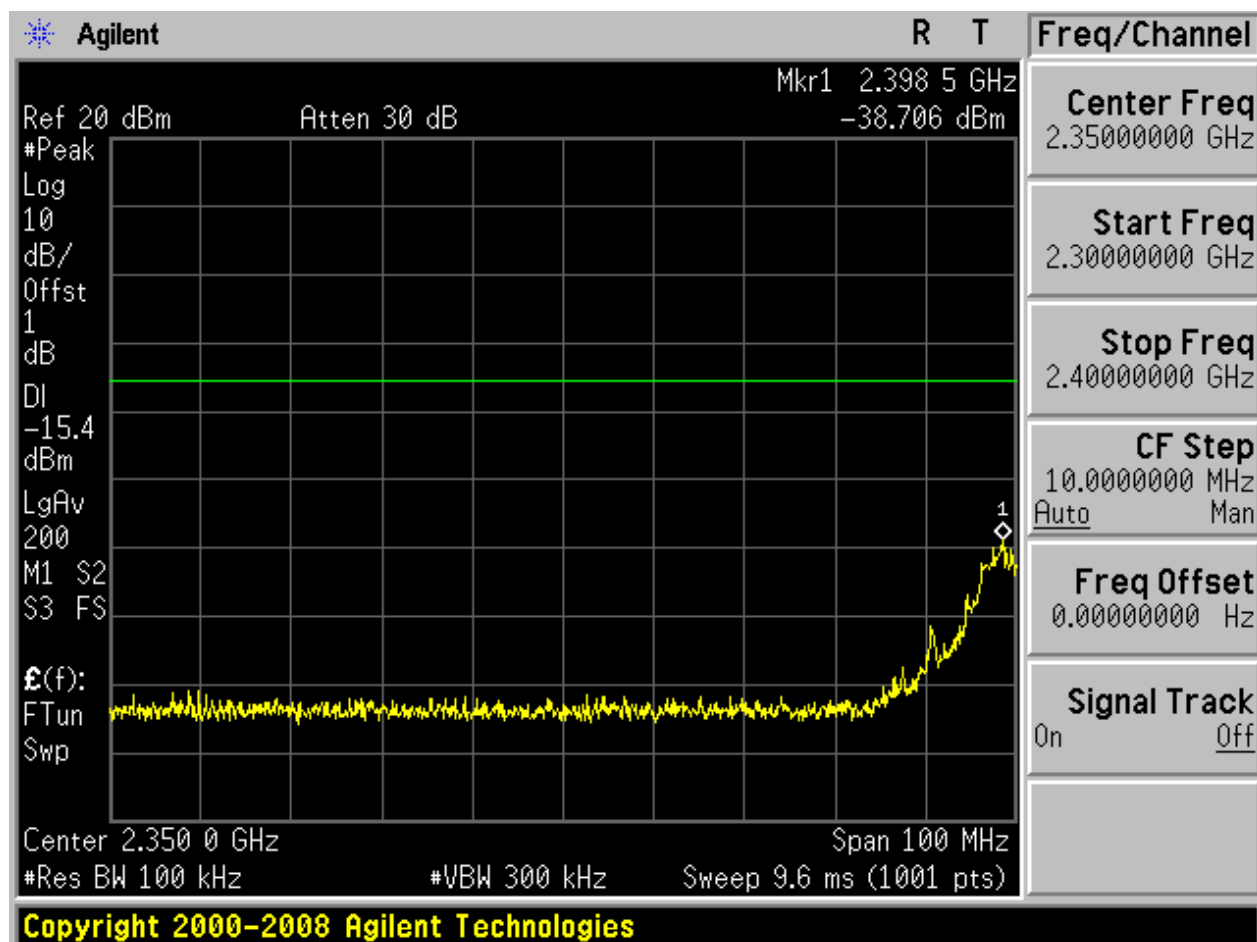


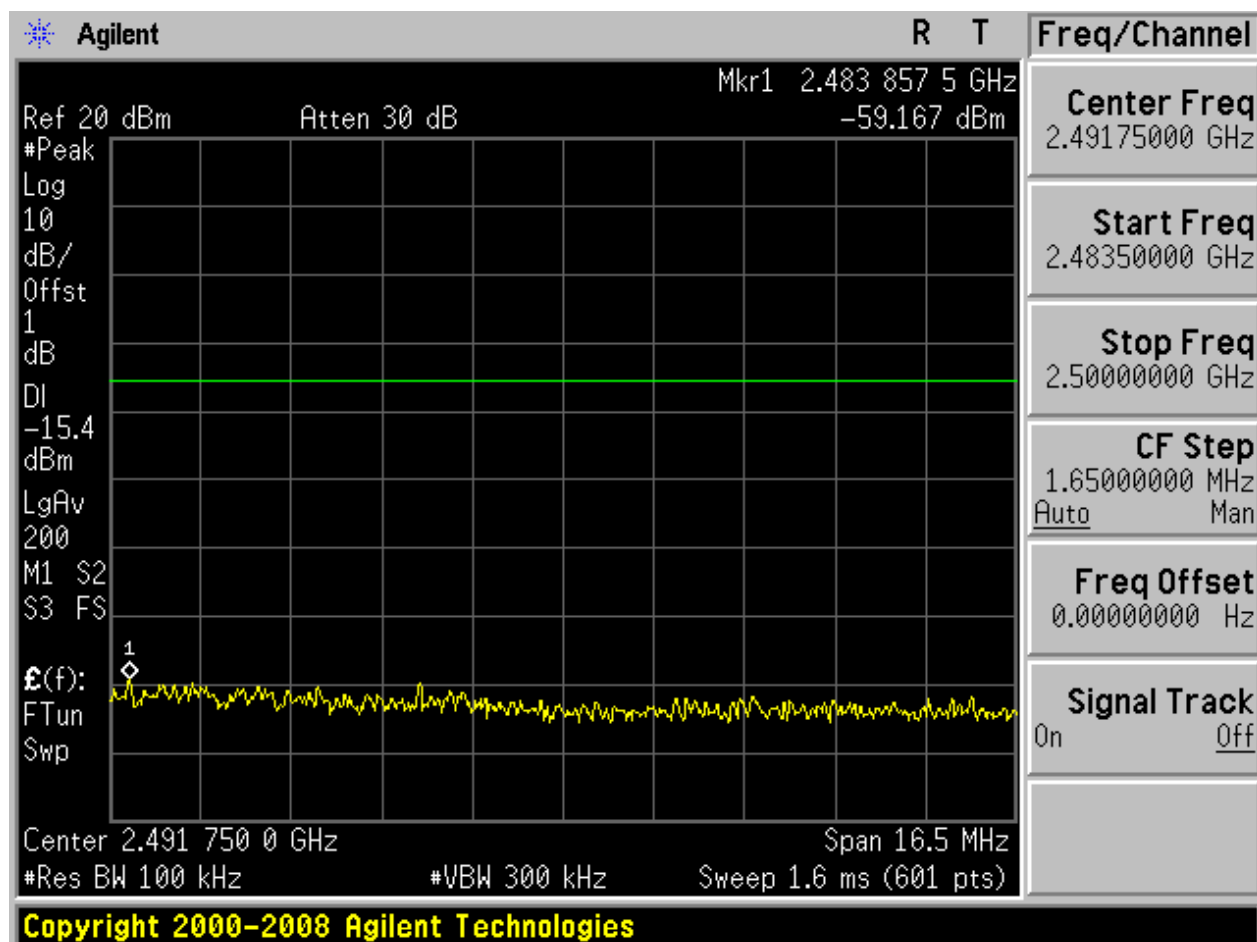
Puw:

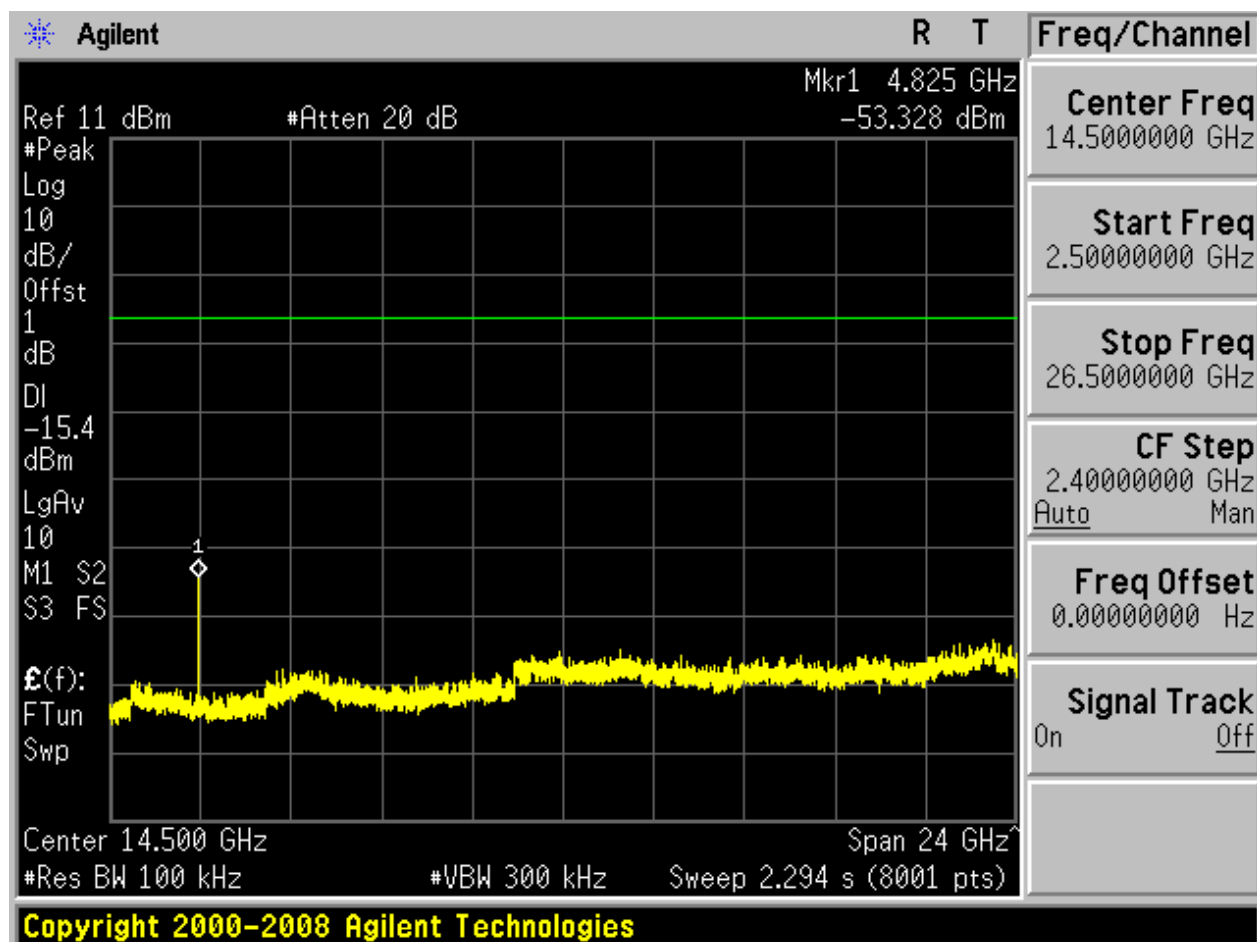






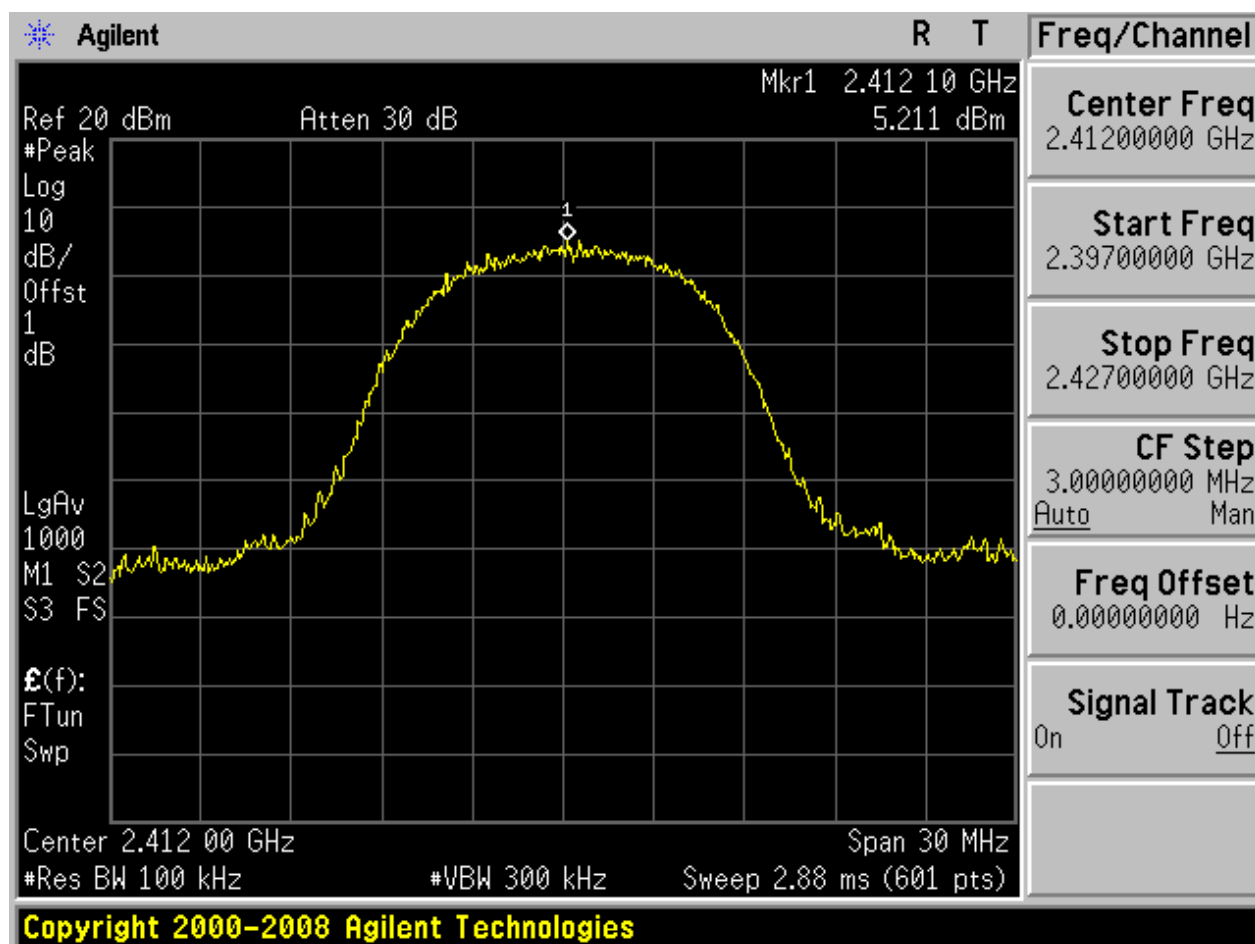






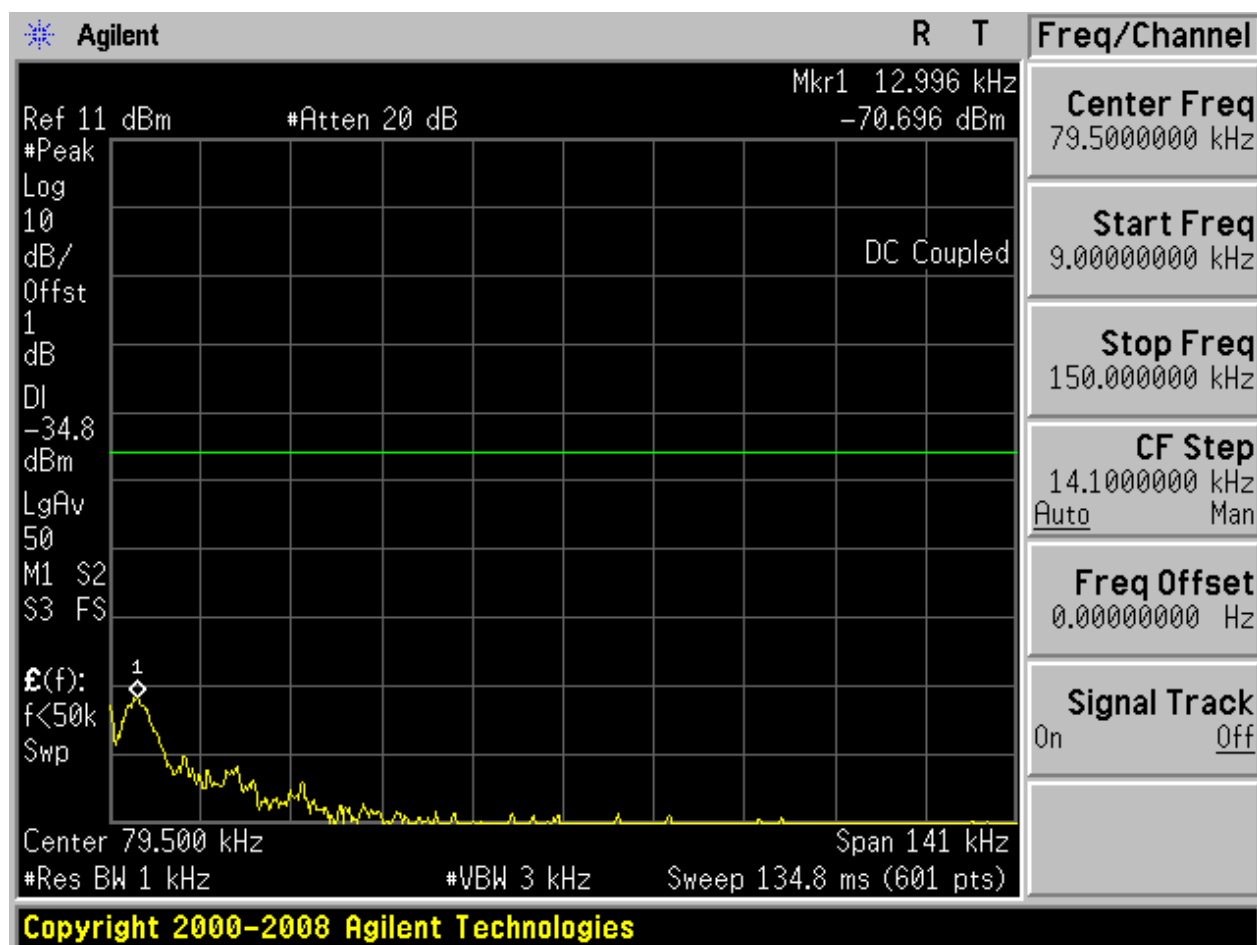
2.2 11B_L@Ant 2

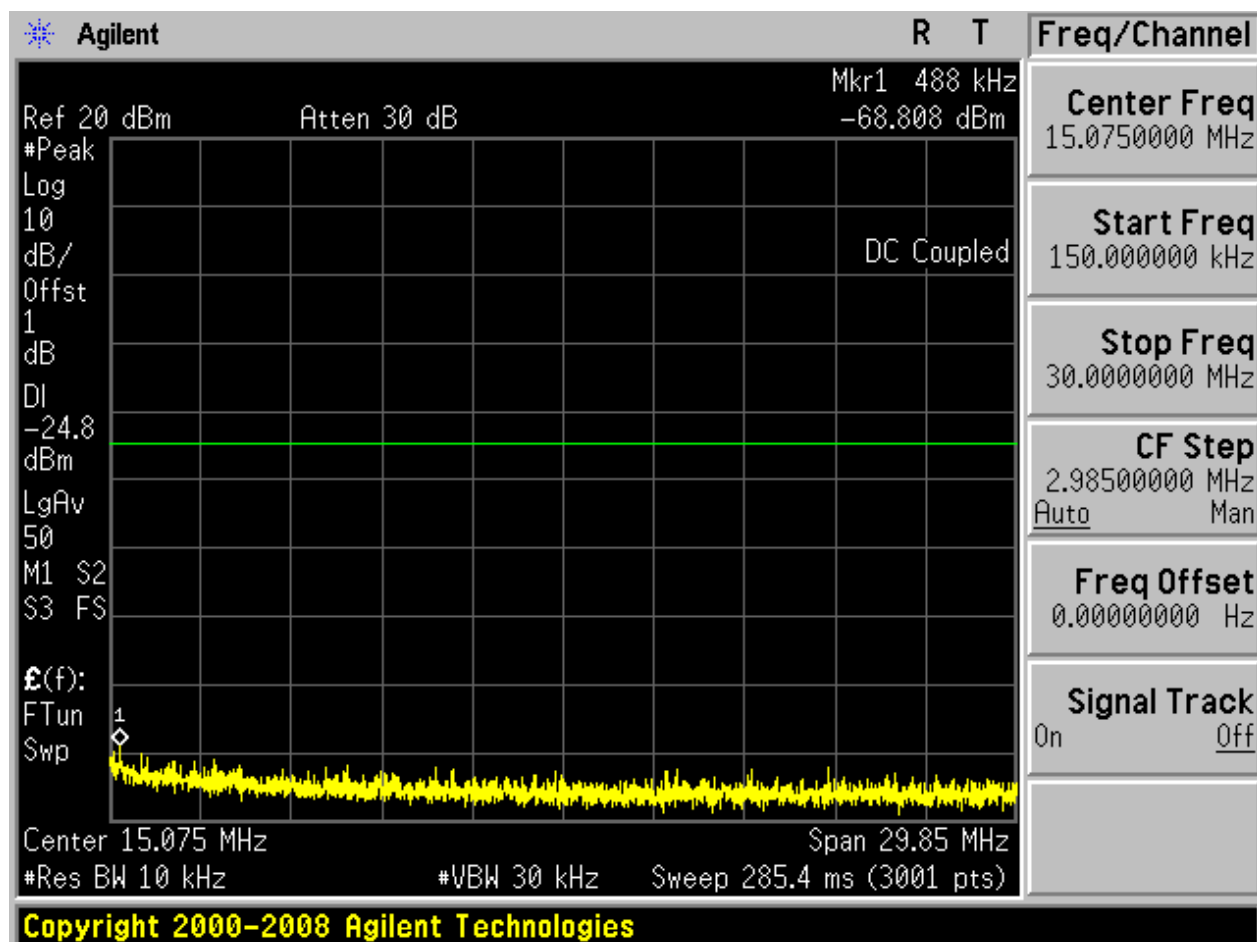
Pref:

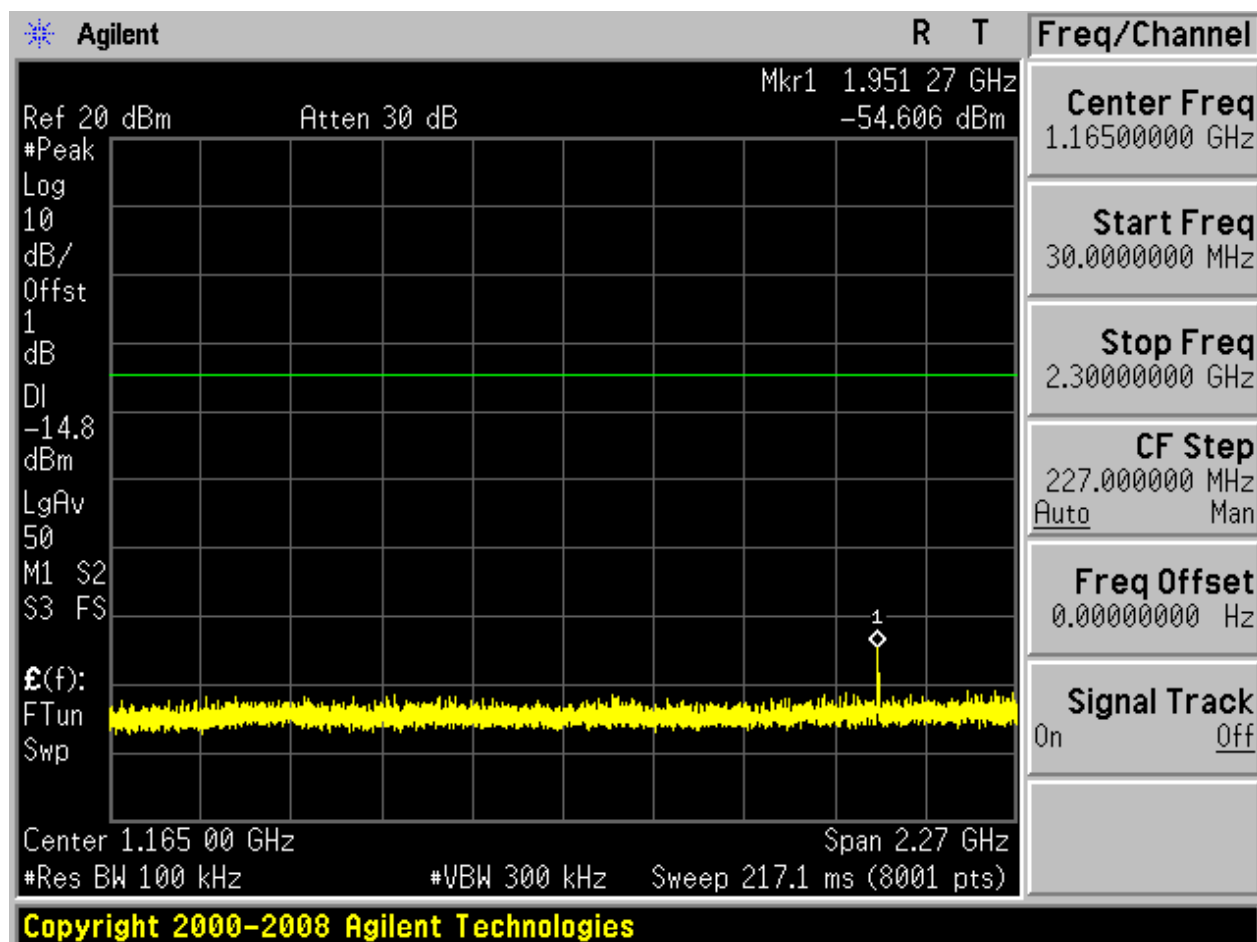


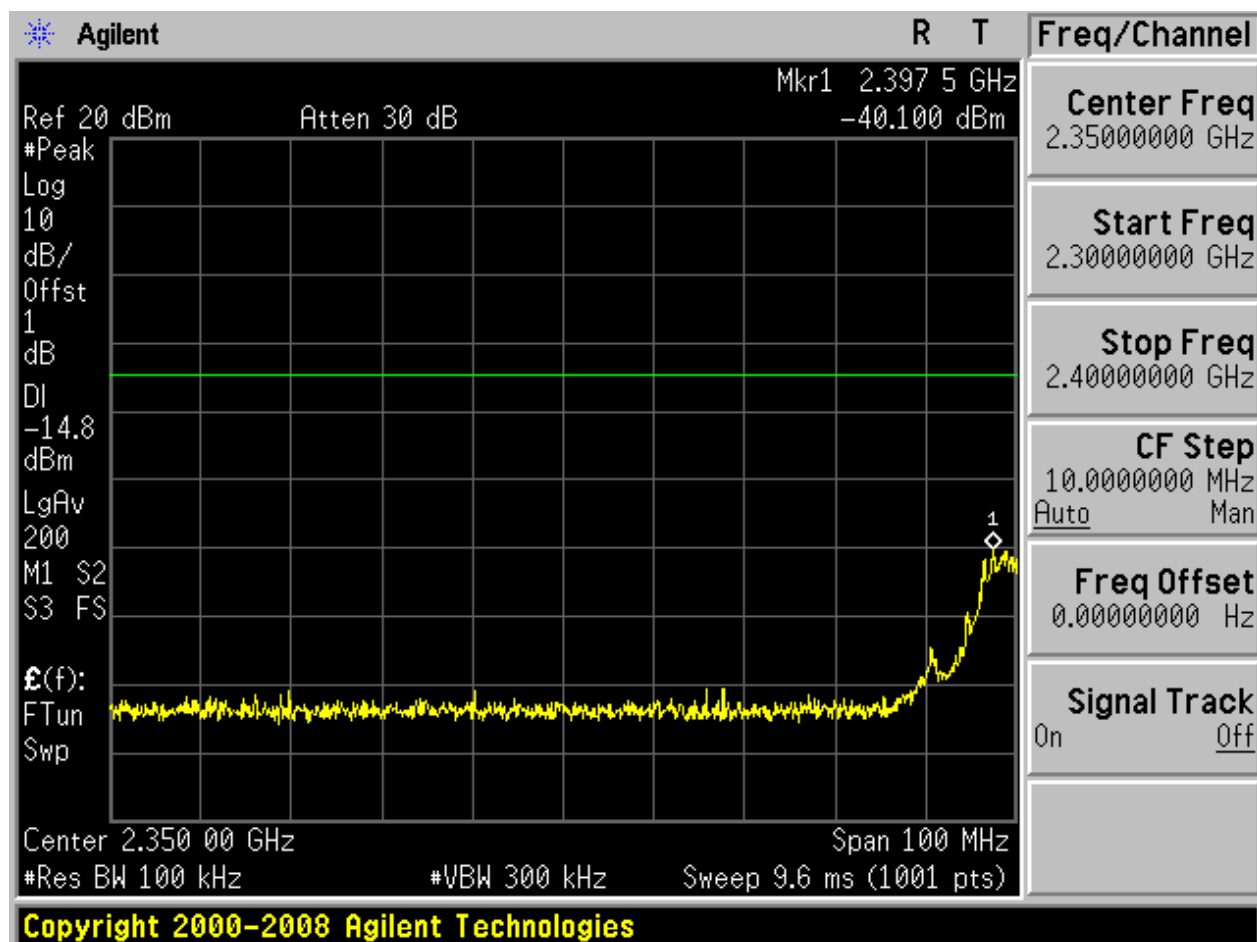


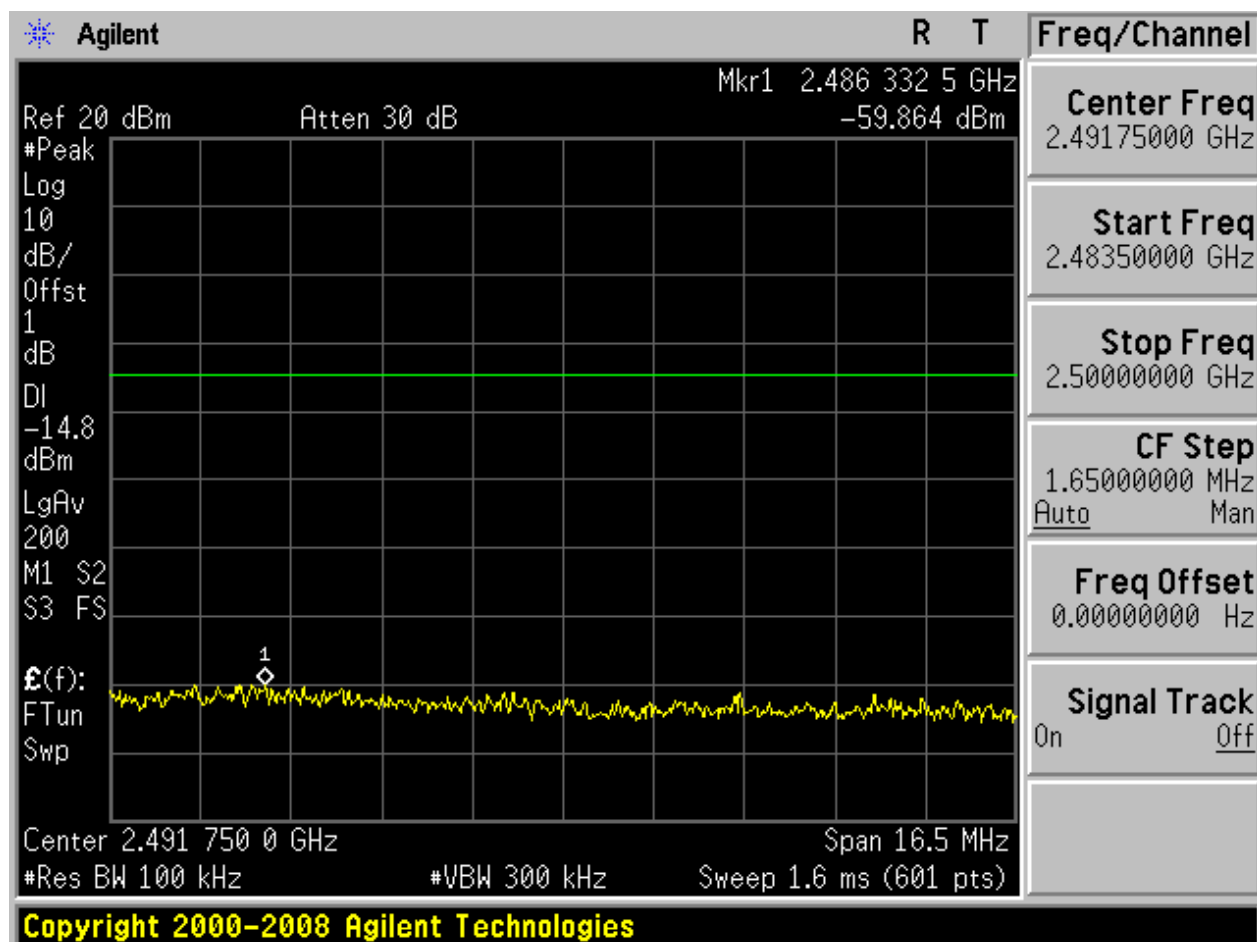
Puw:

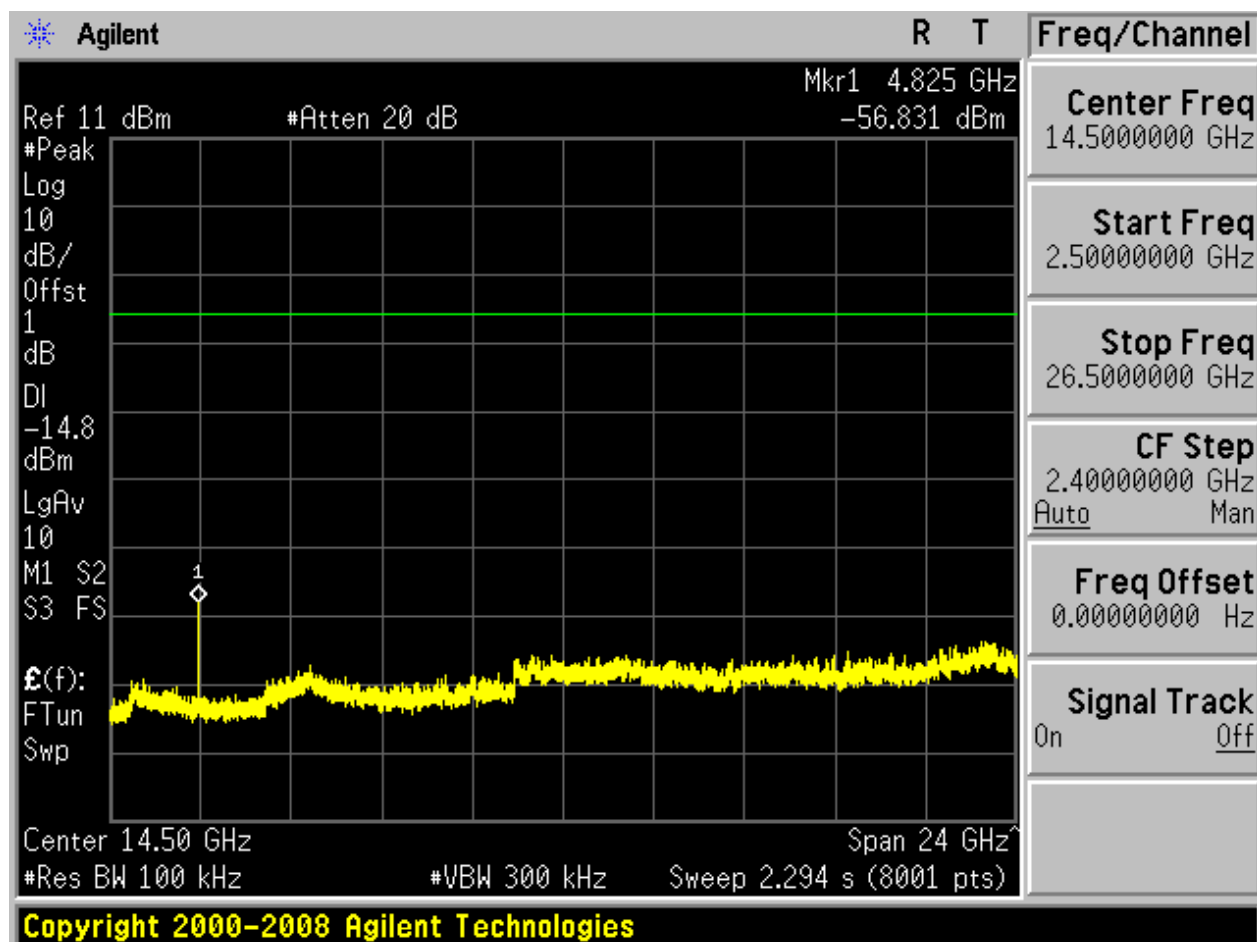






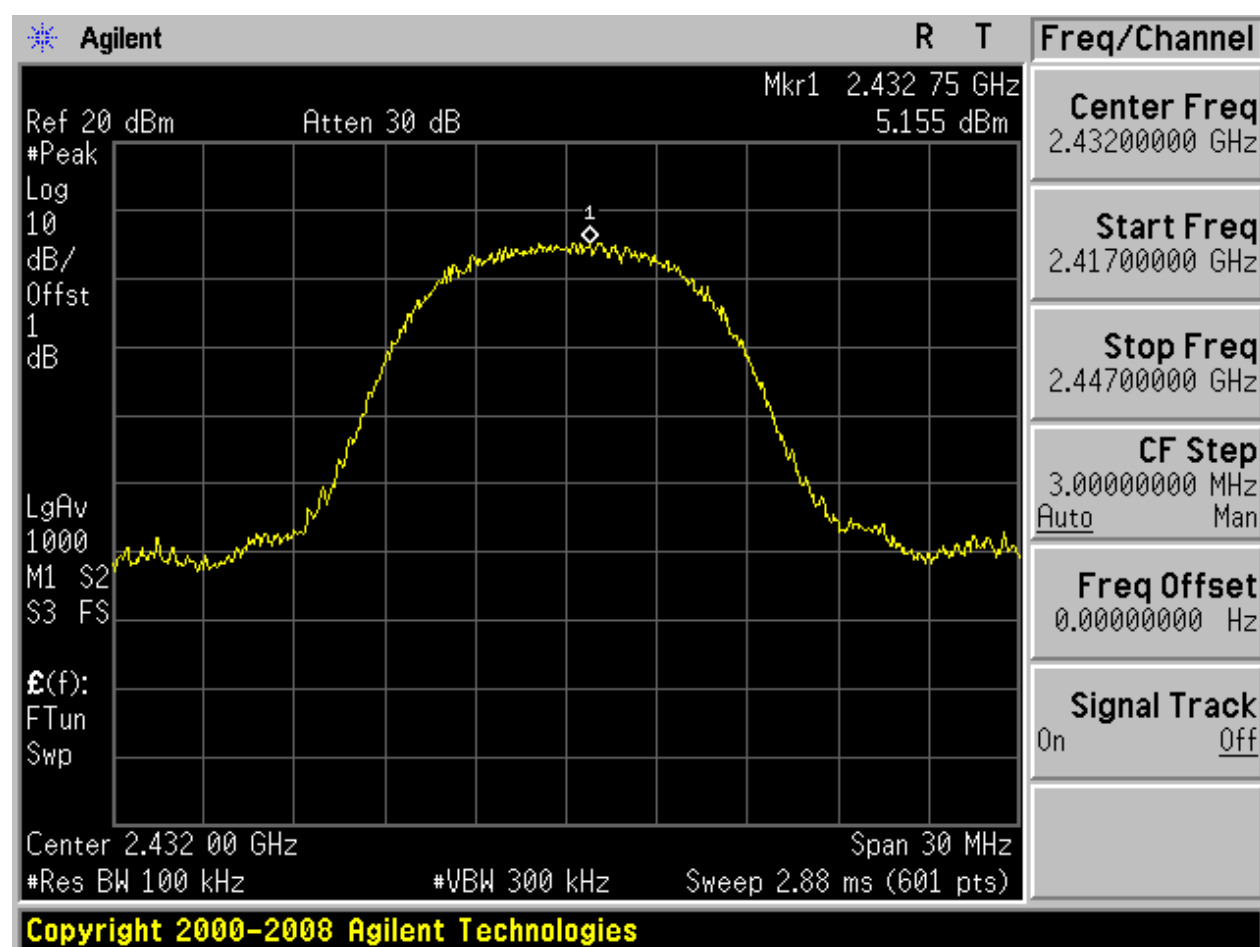






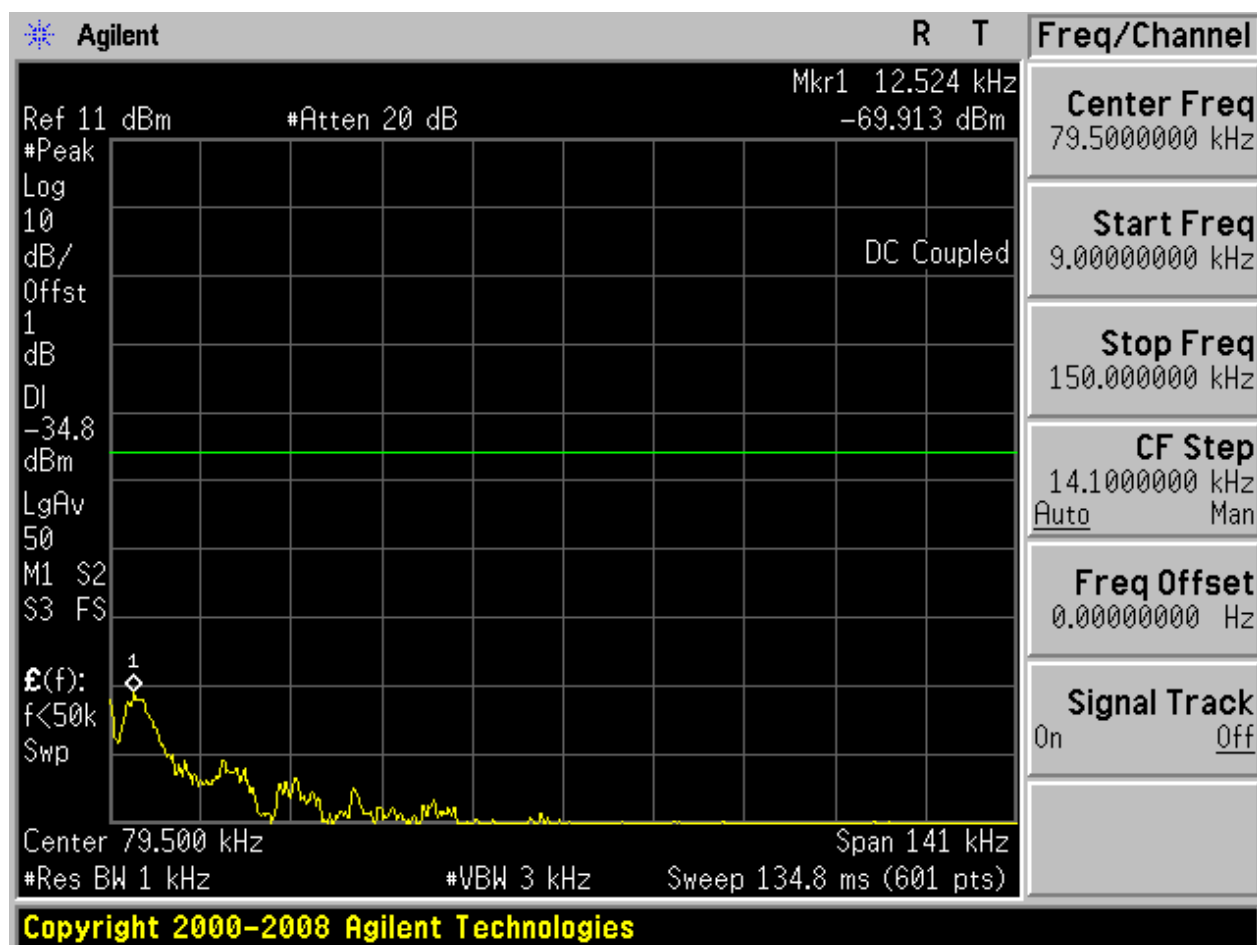
2.3 11B_M@Ant 1

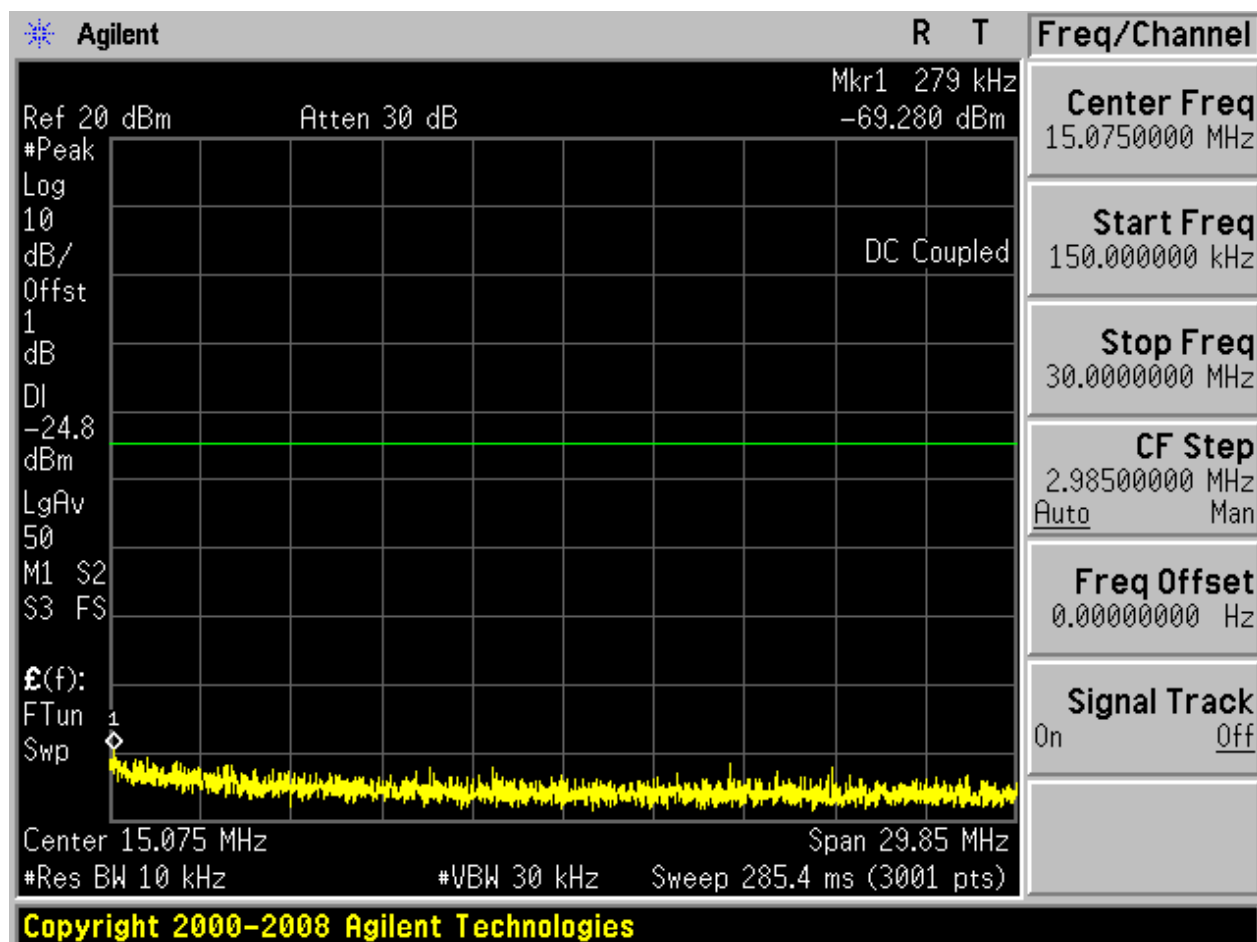
Pref:

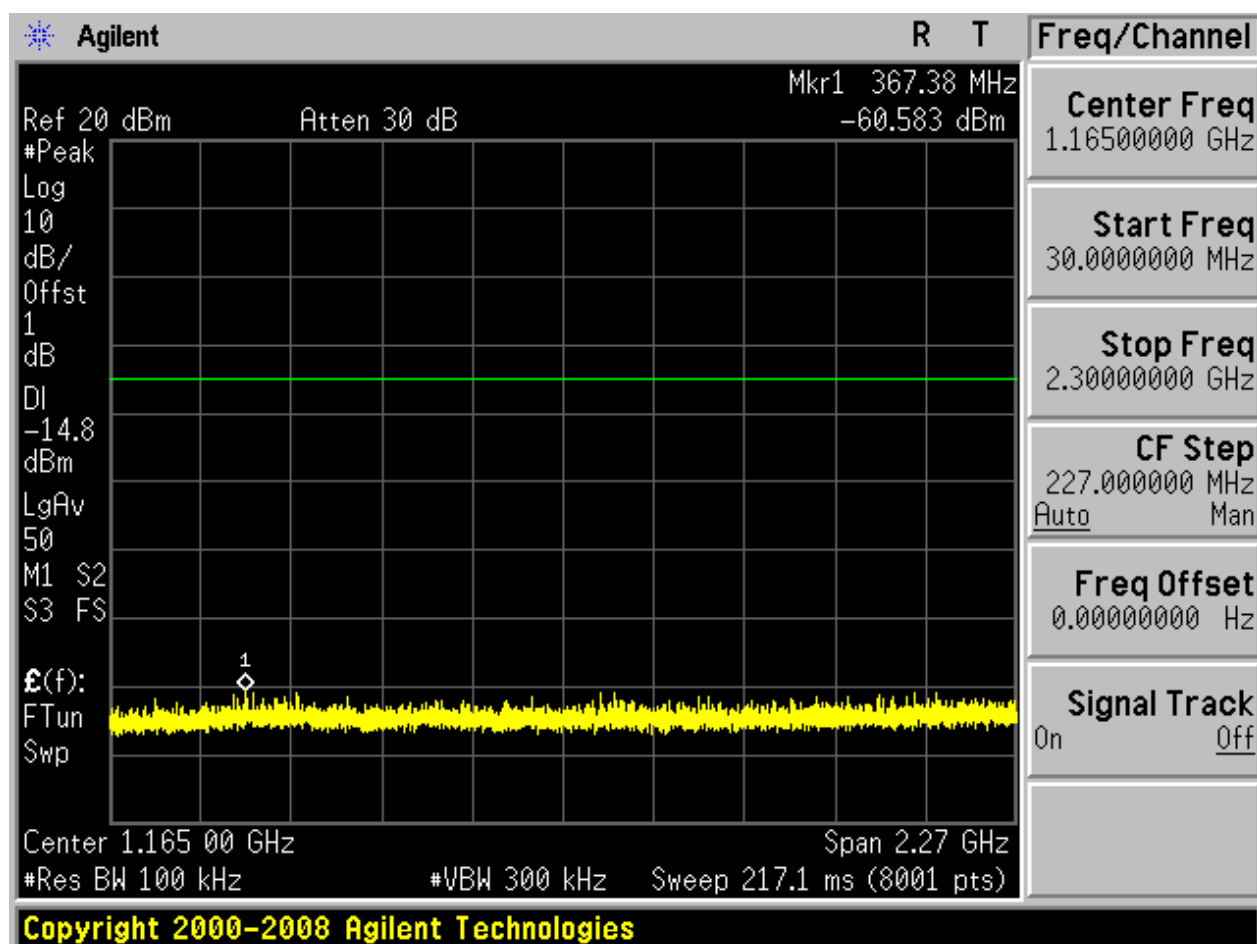


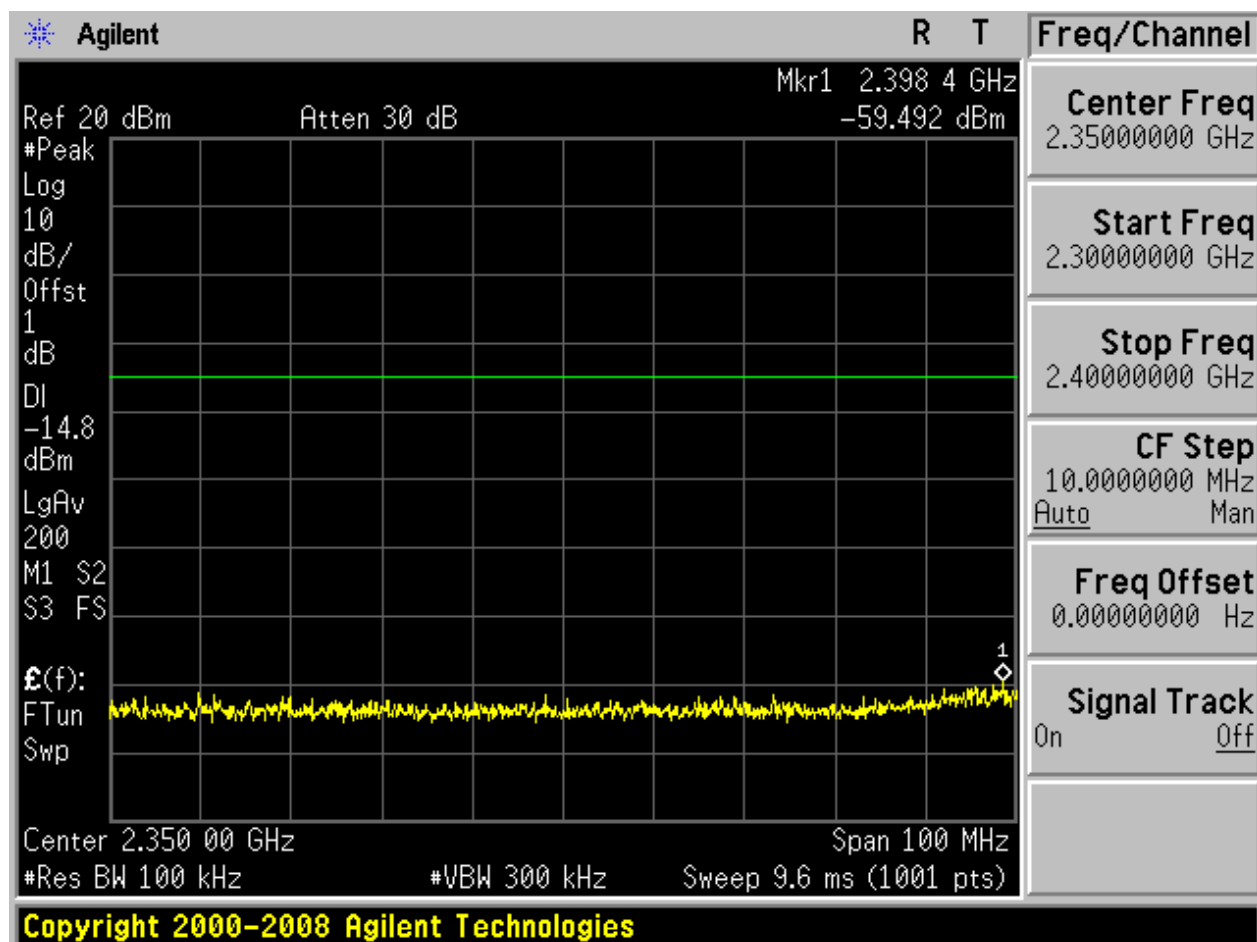


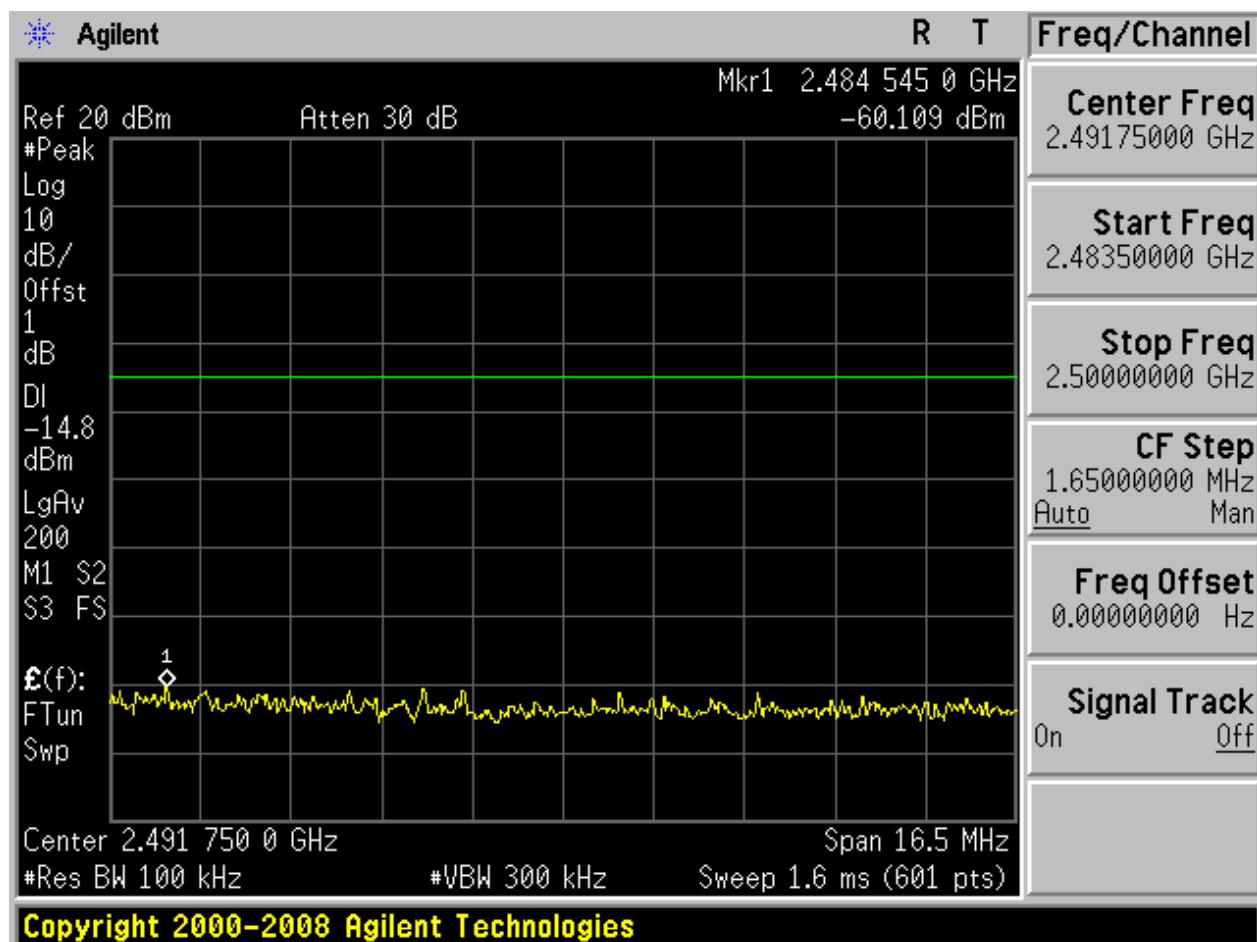
Puw:

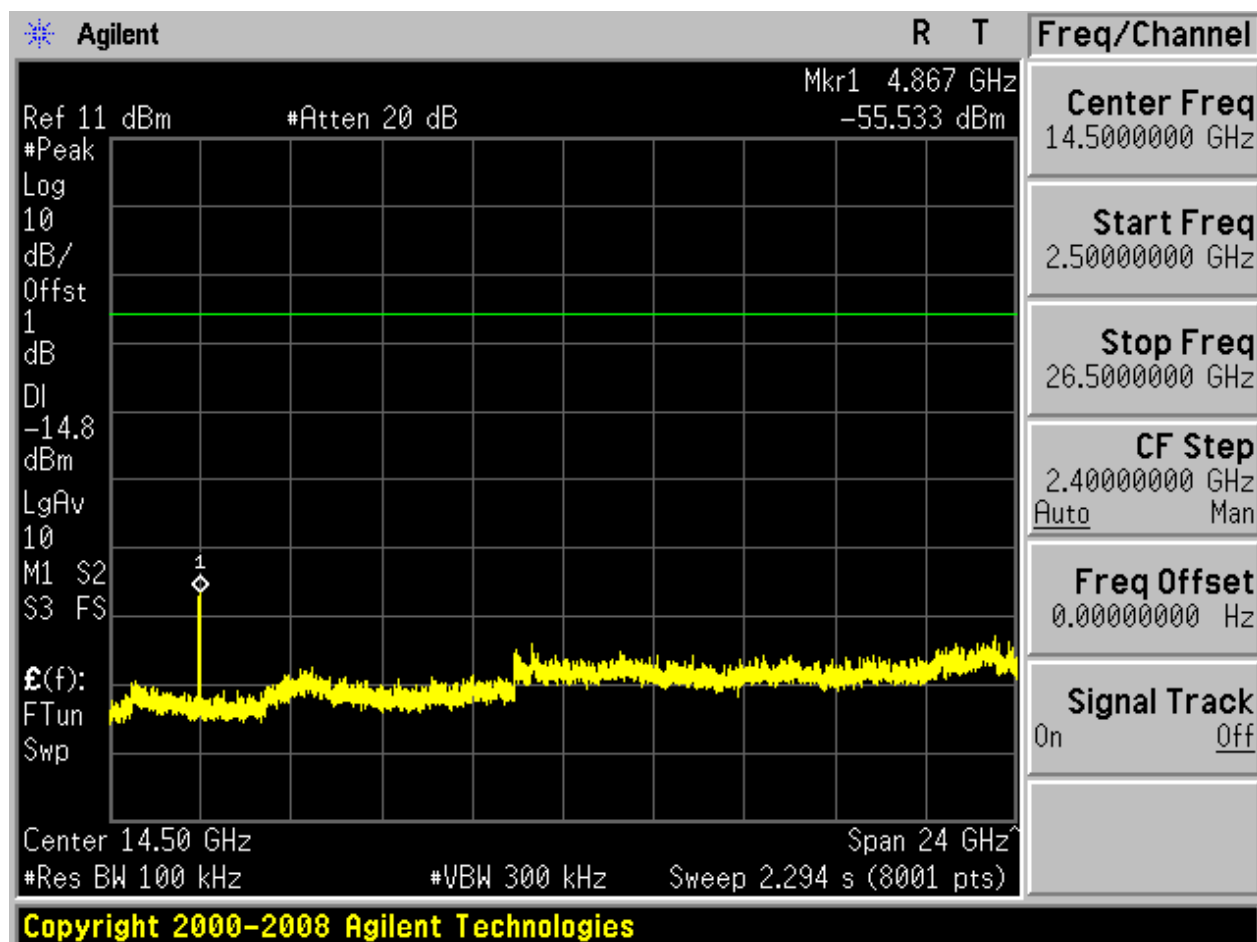






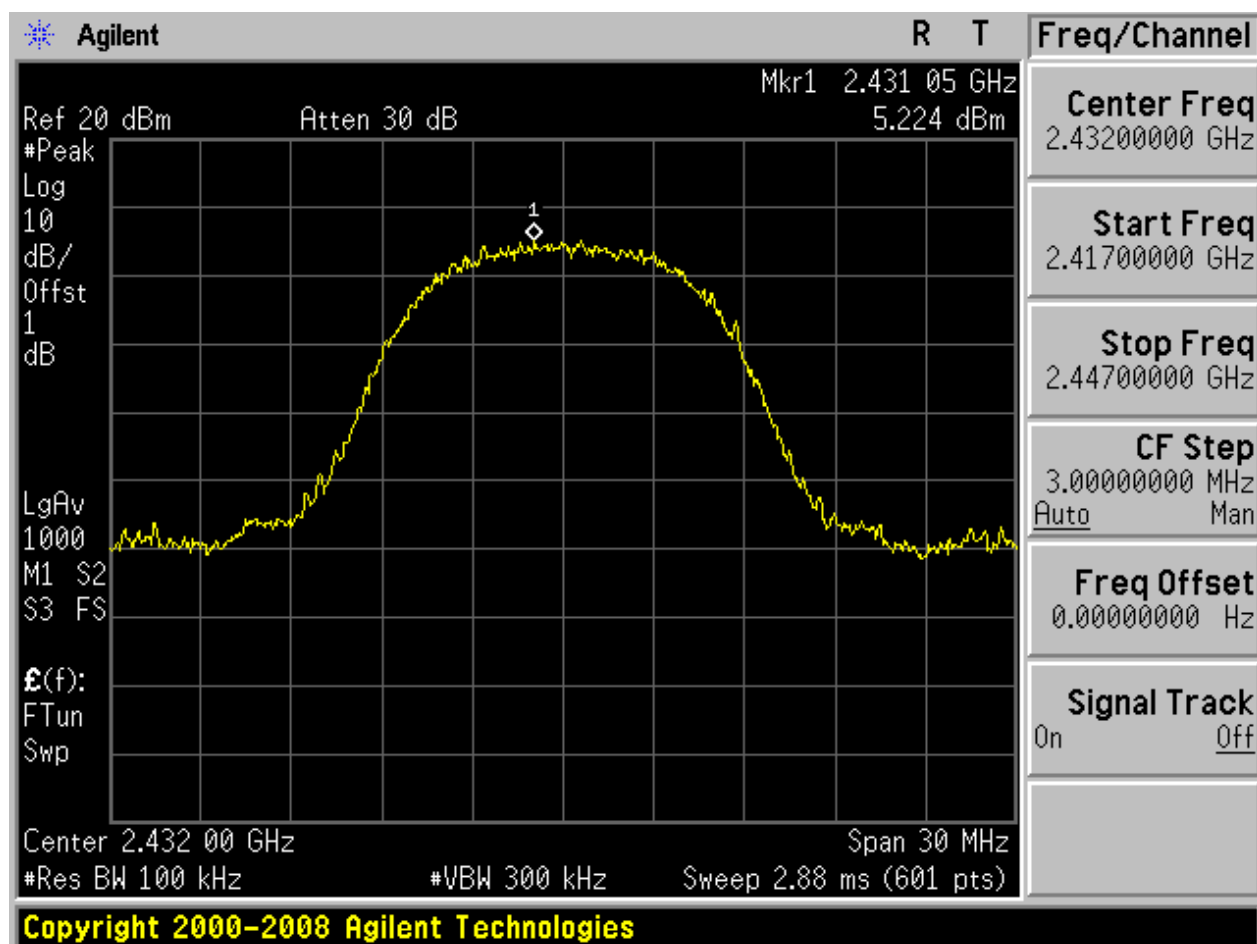




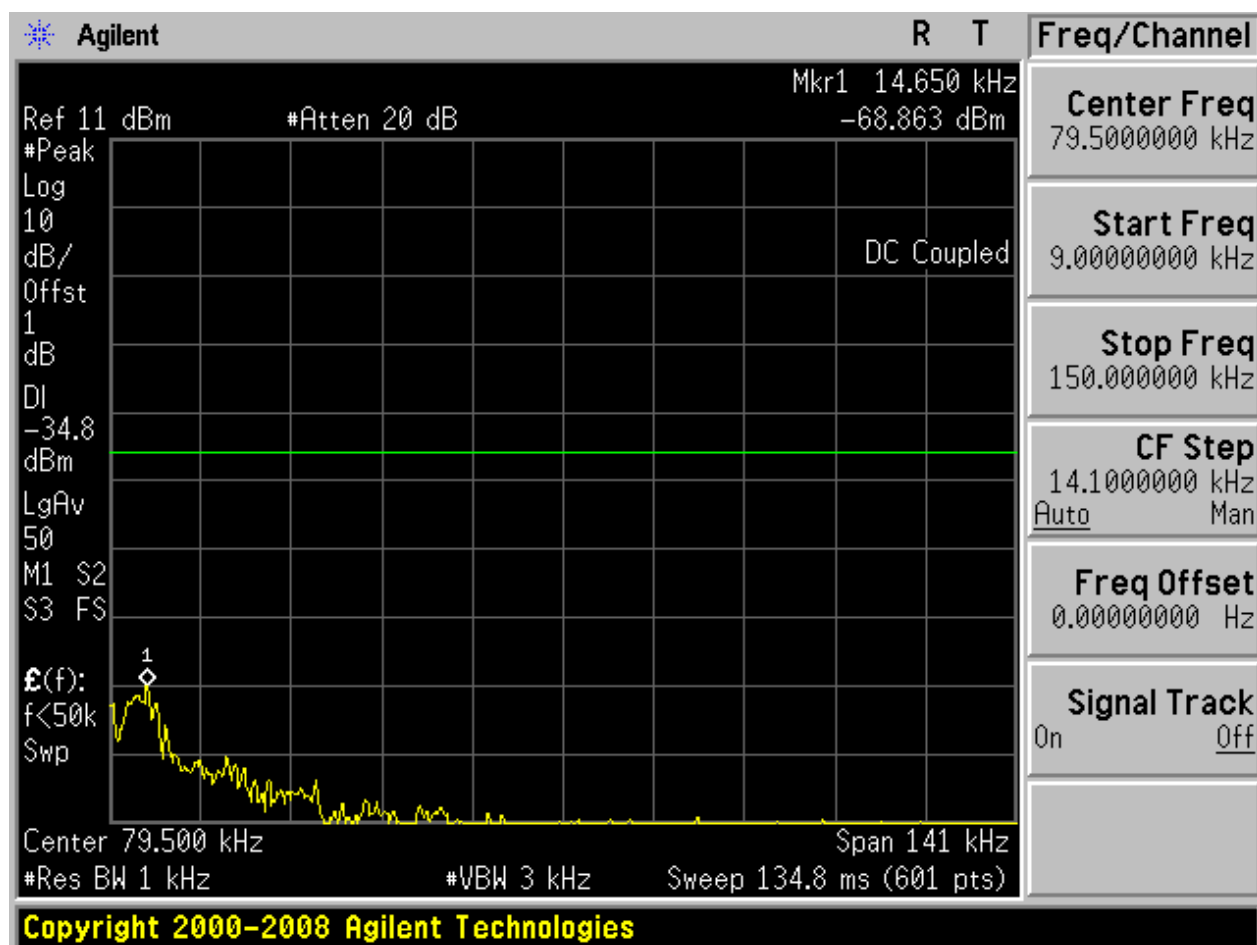


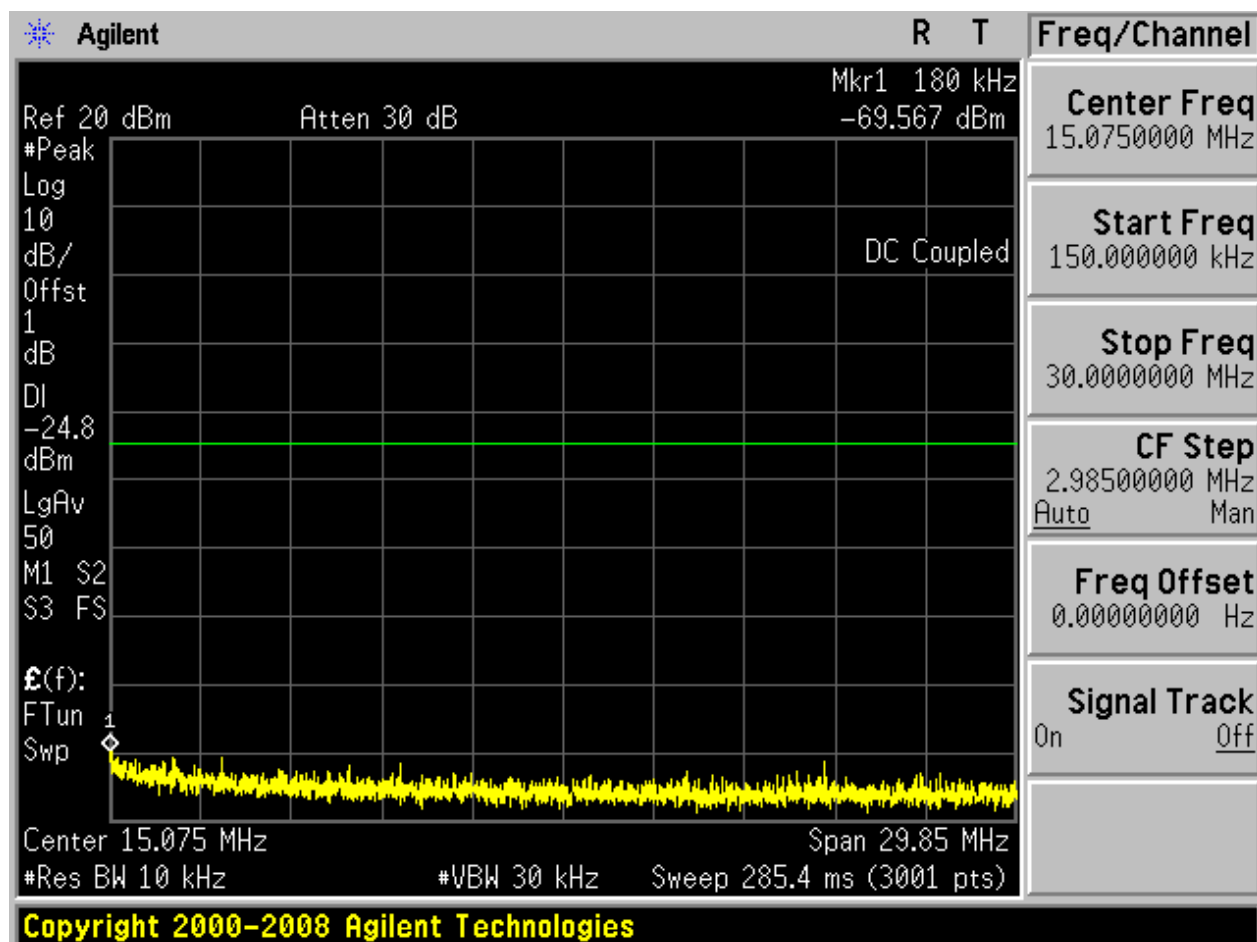
2.4 11B_M@Ant 2

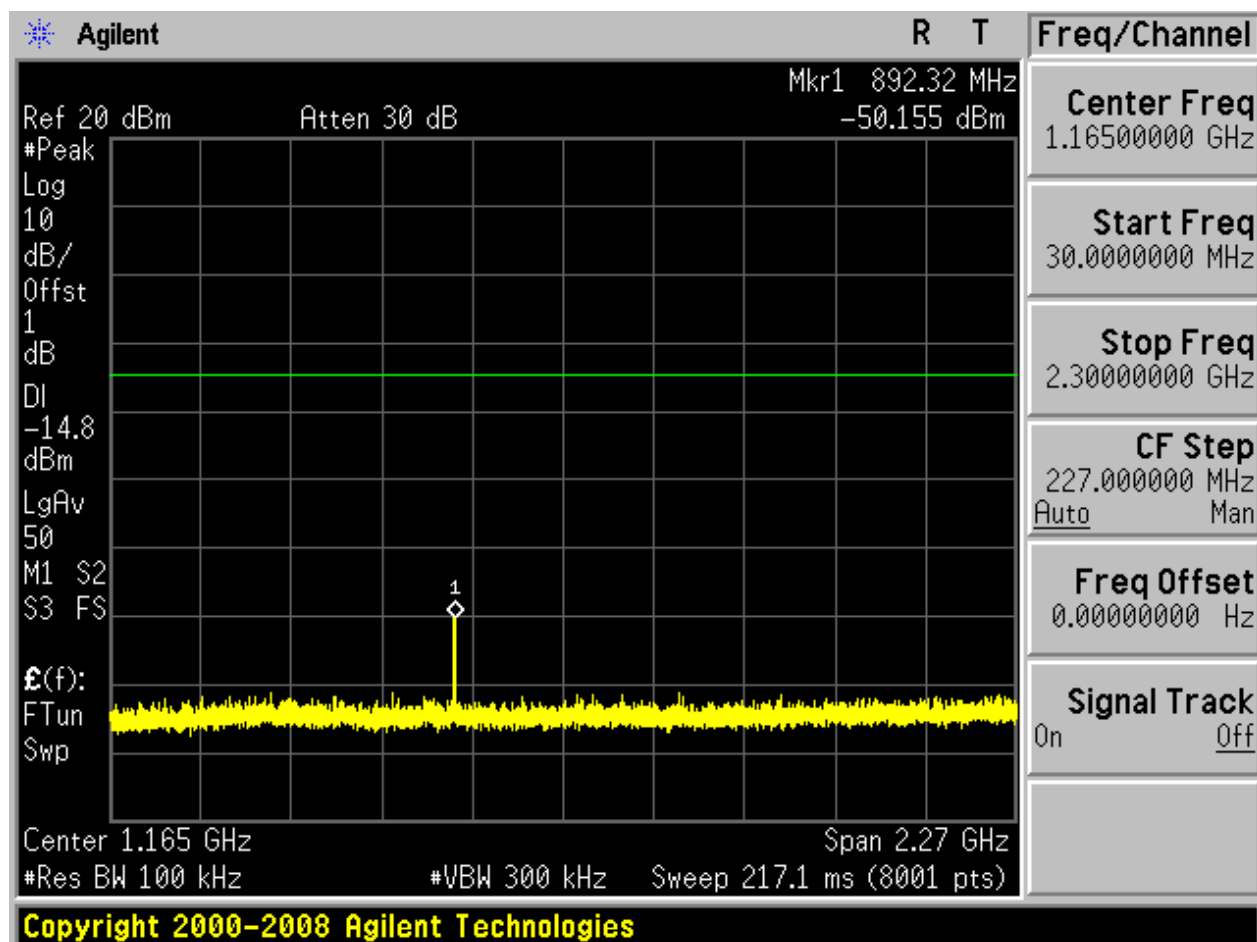
Pref:

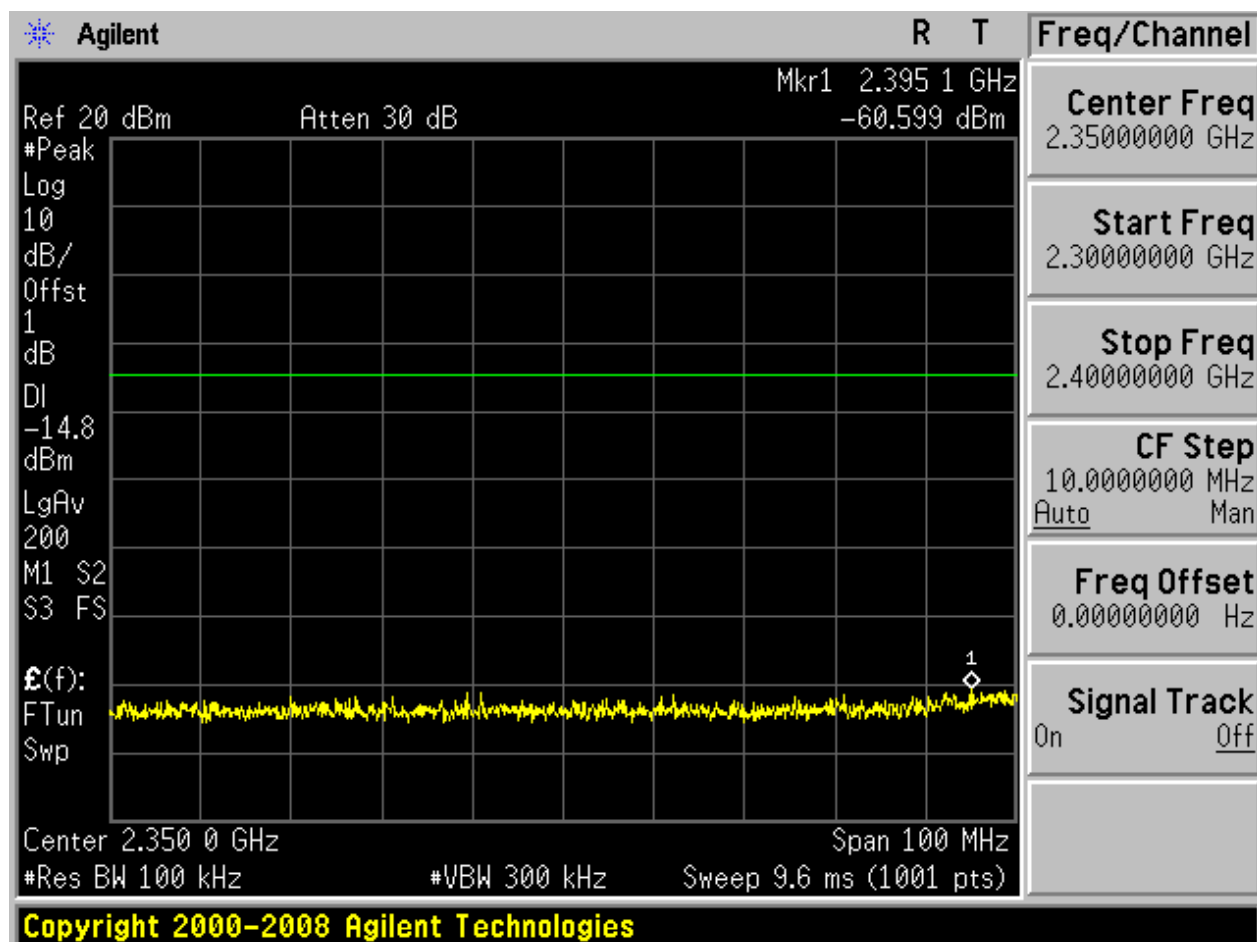


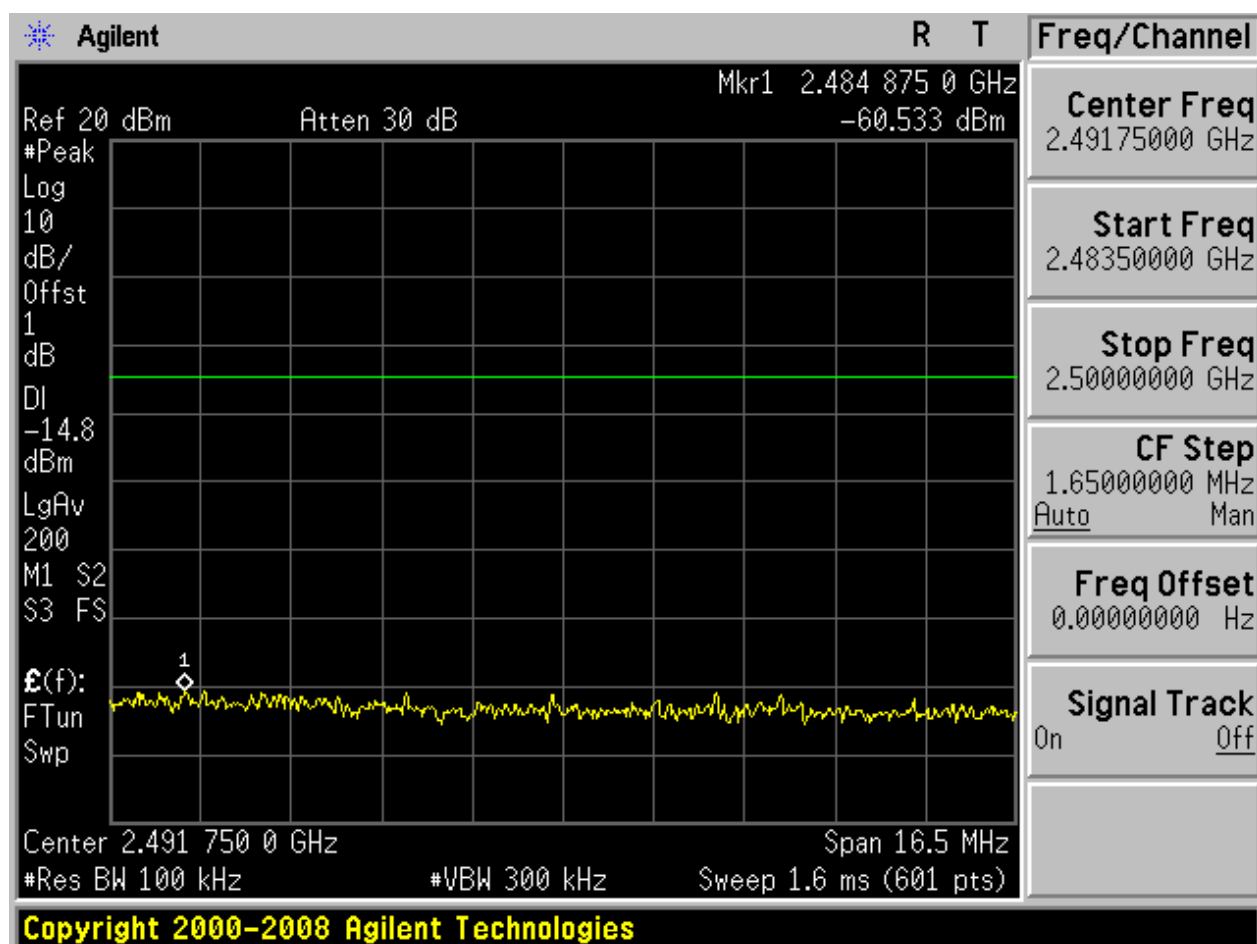
Puw:

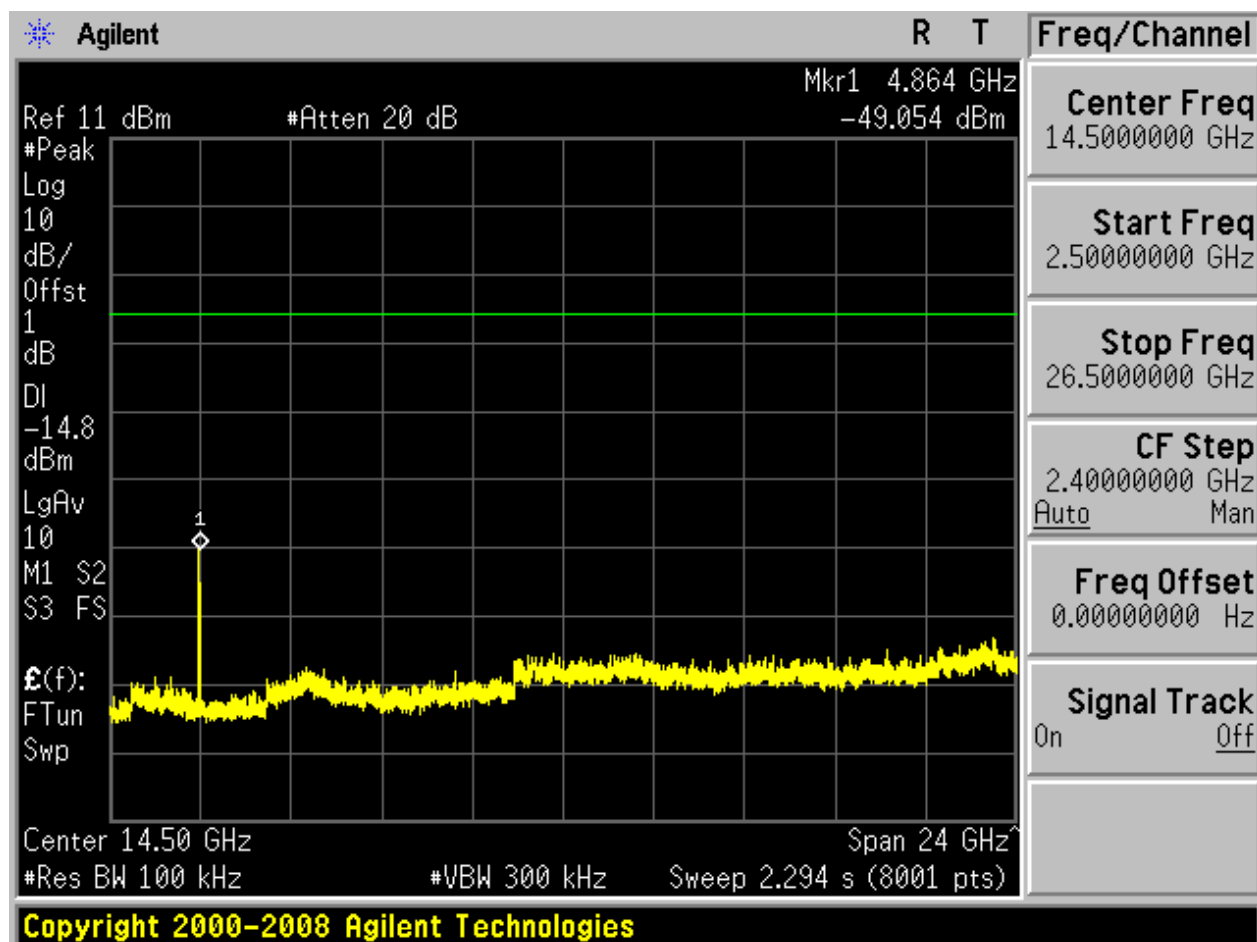






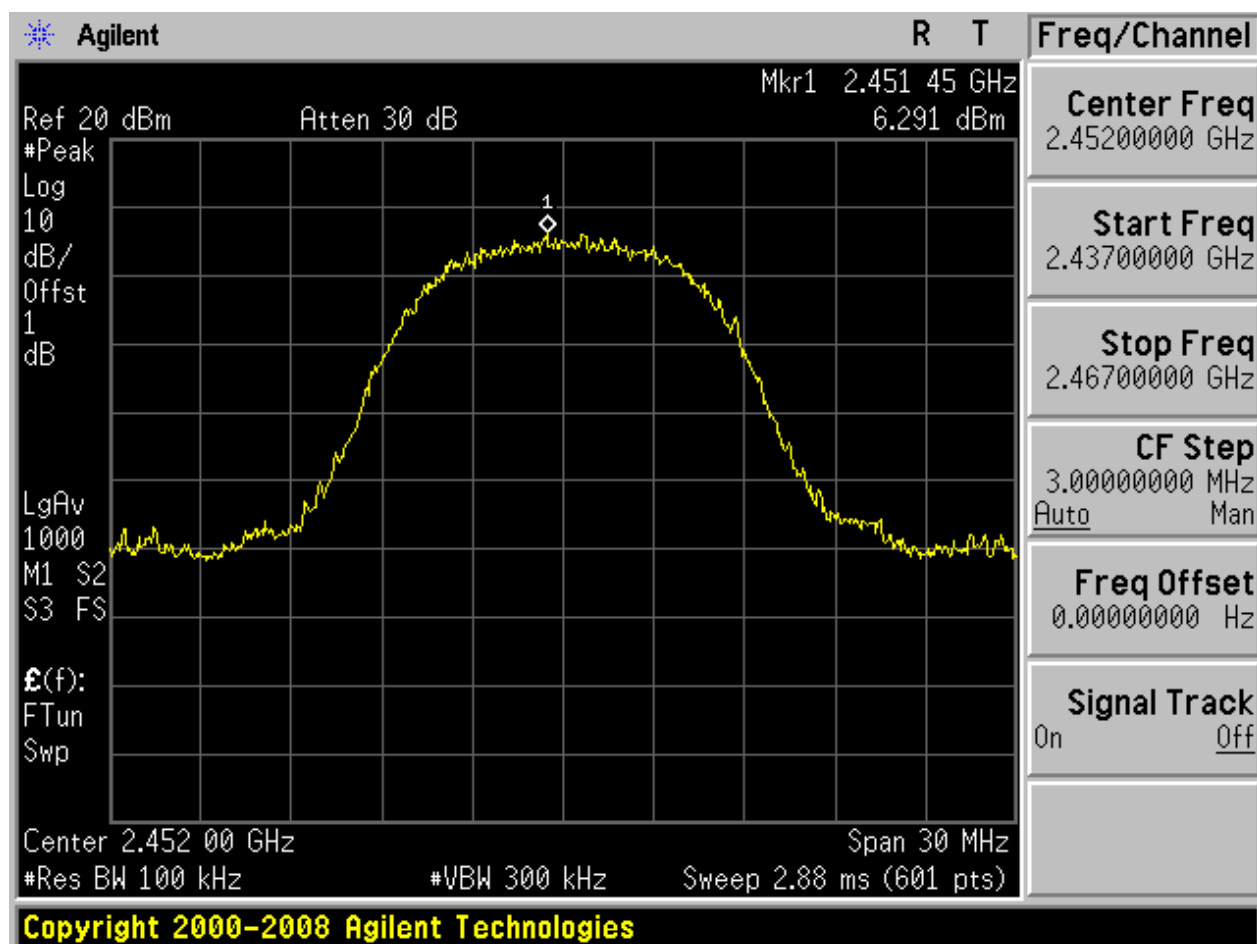






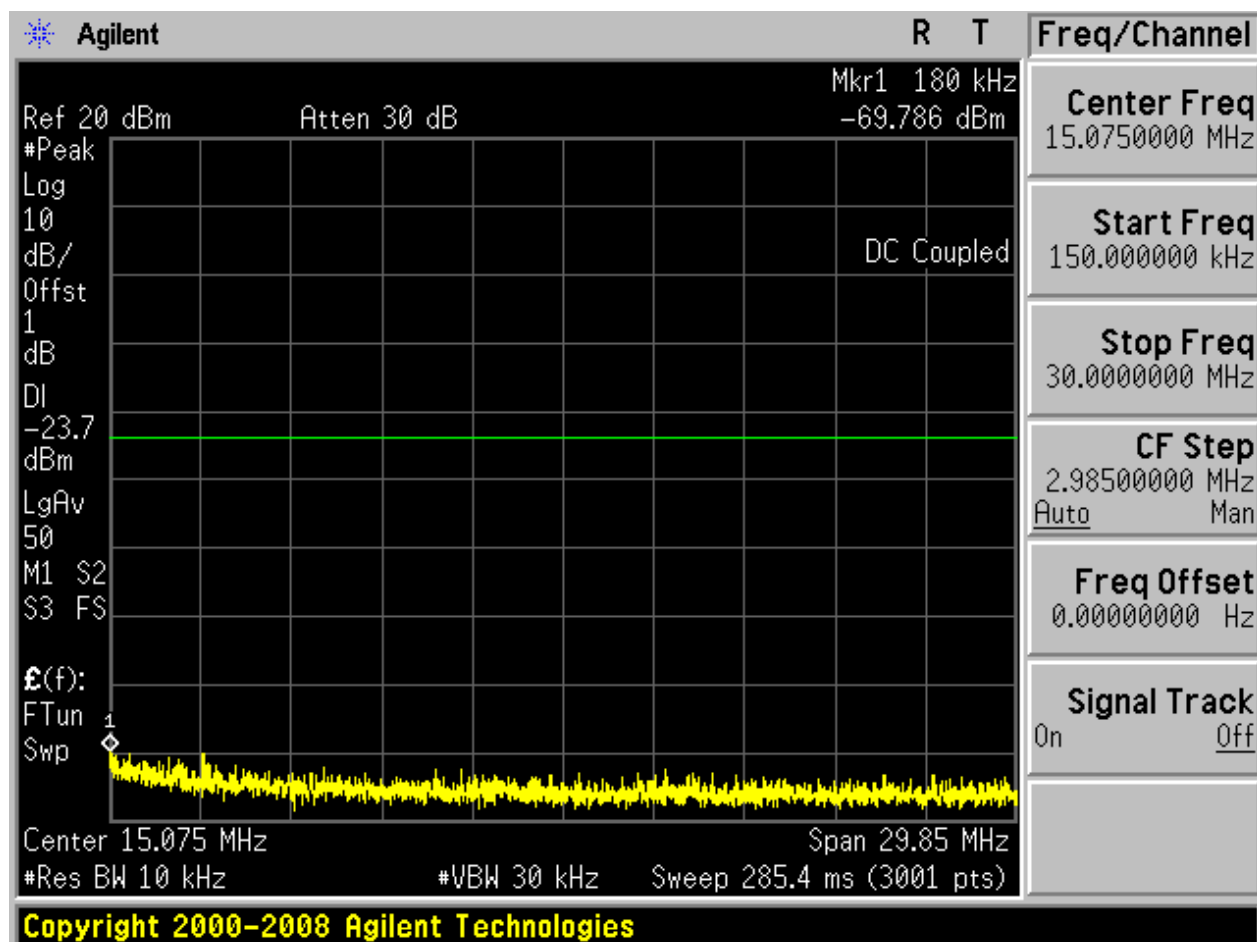
2.5 11B_H@Ant 1

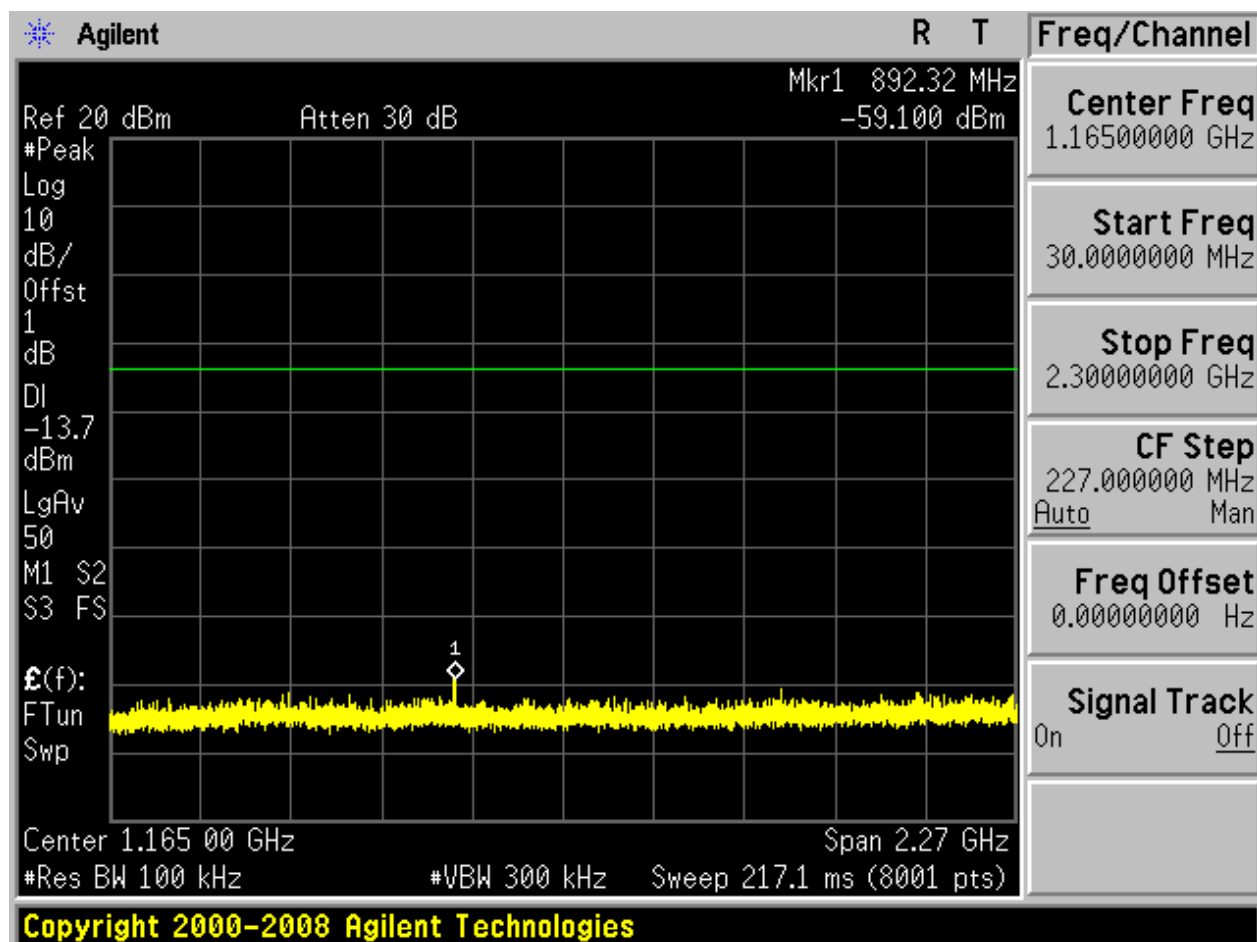
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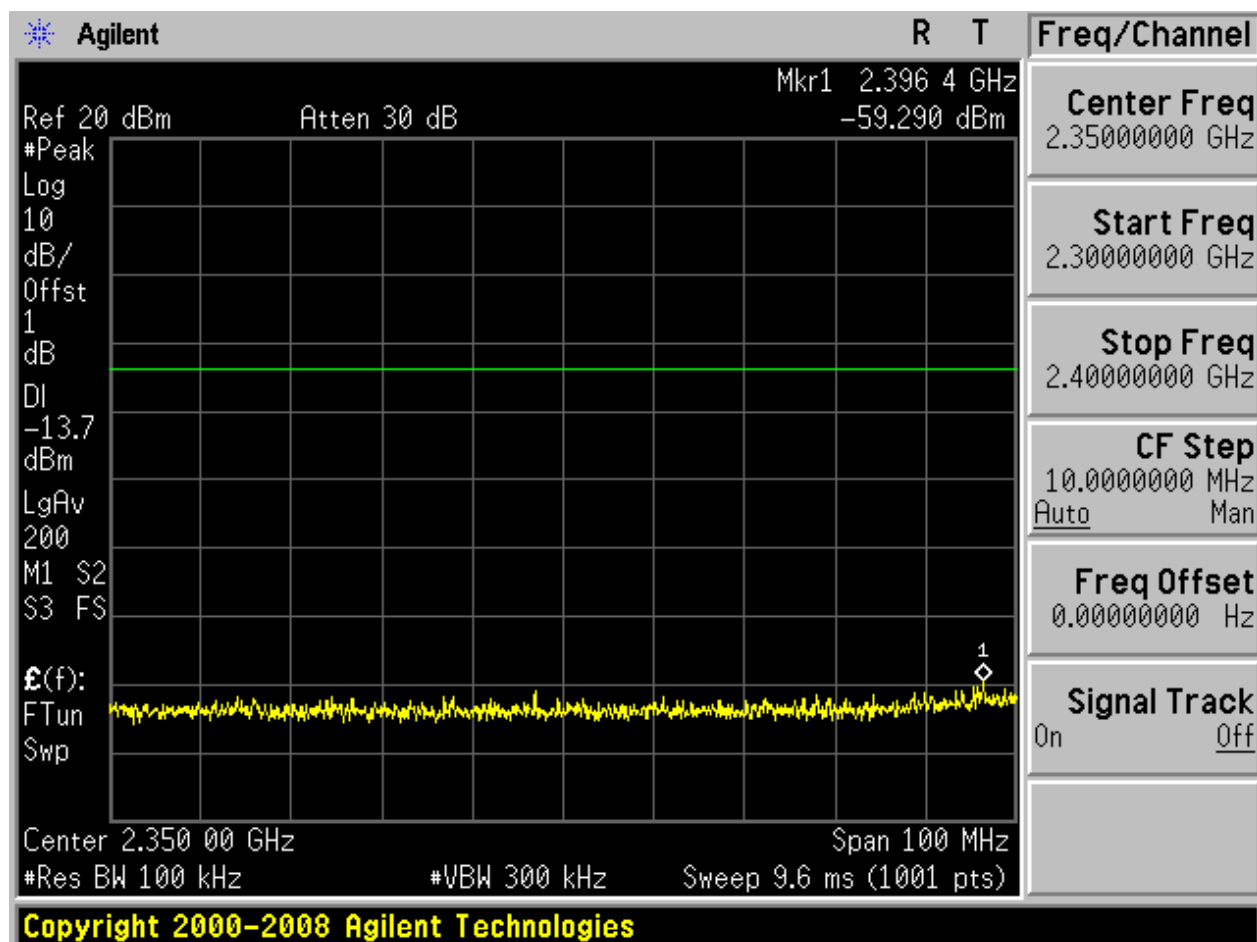


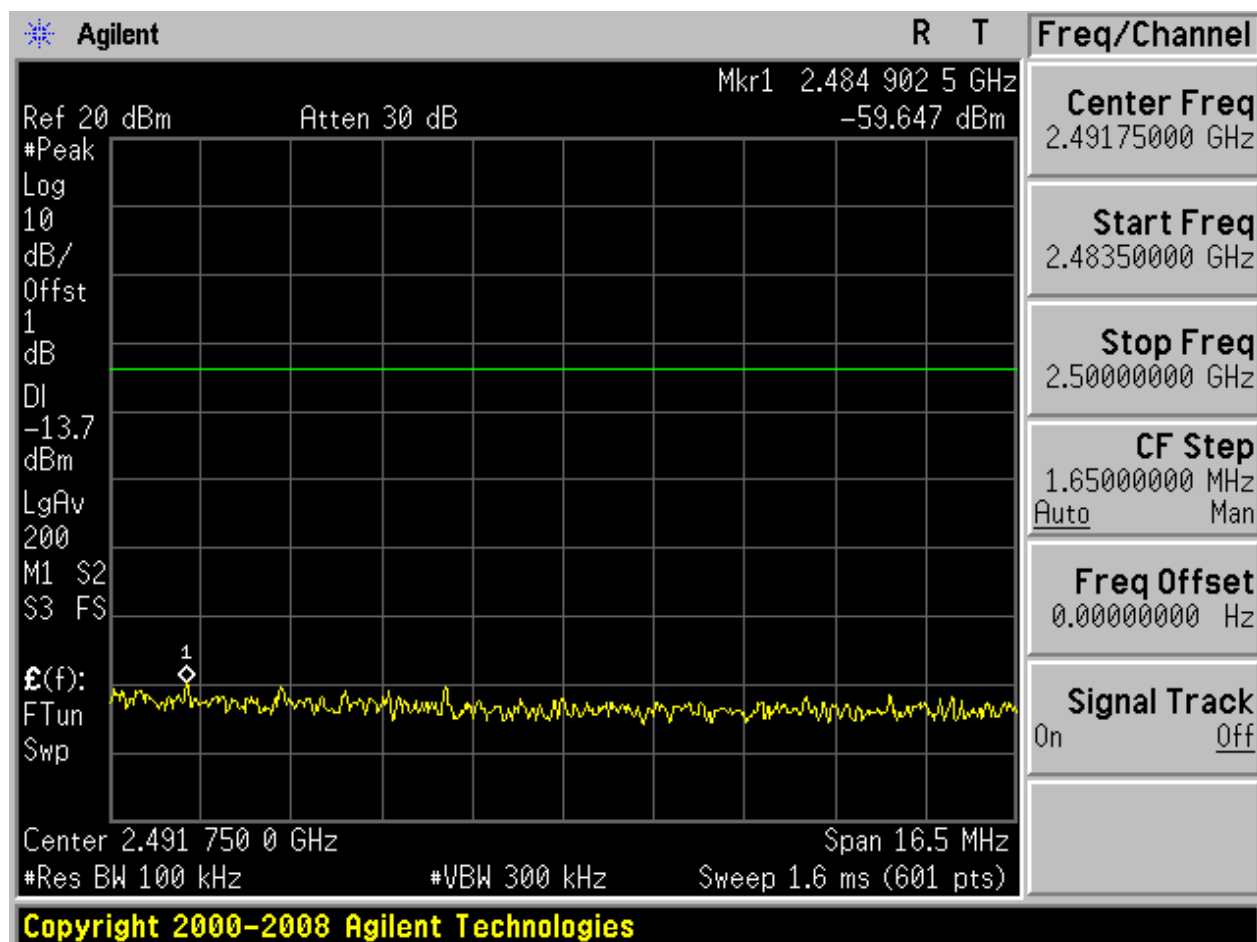
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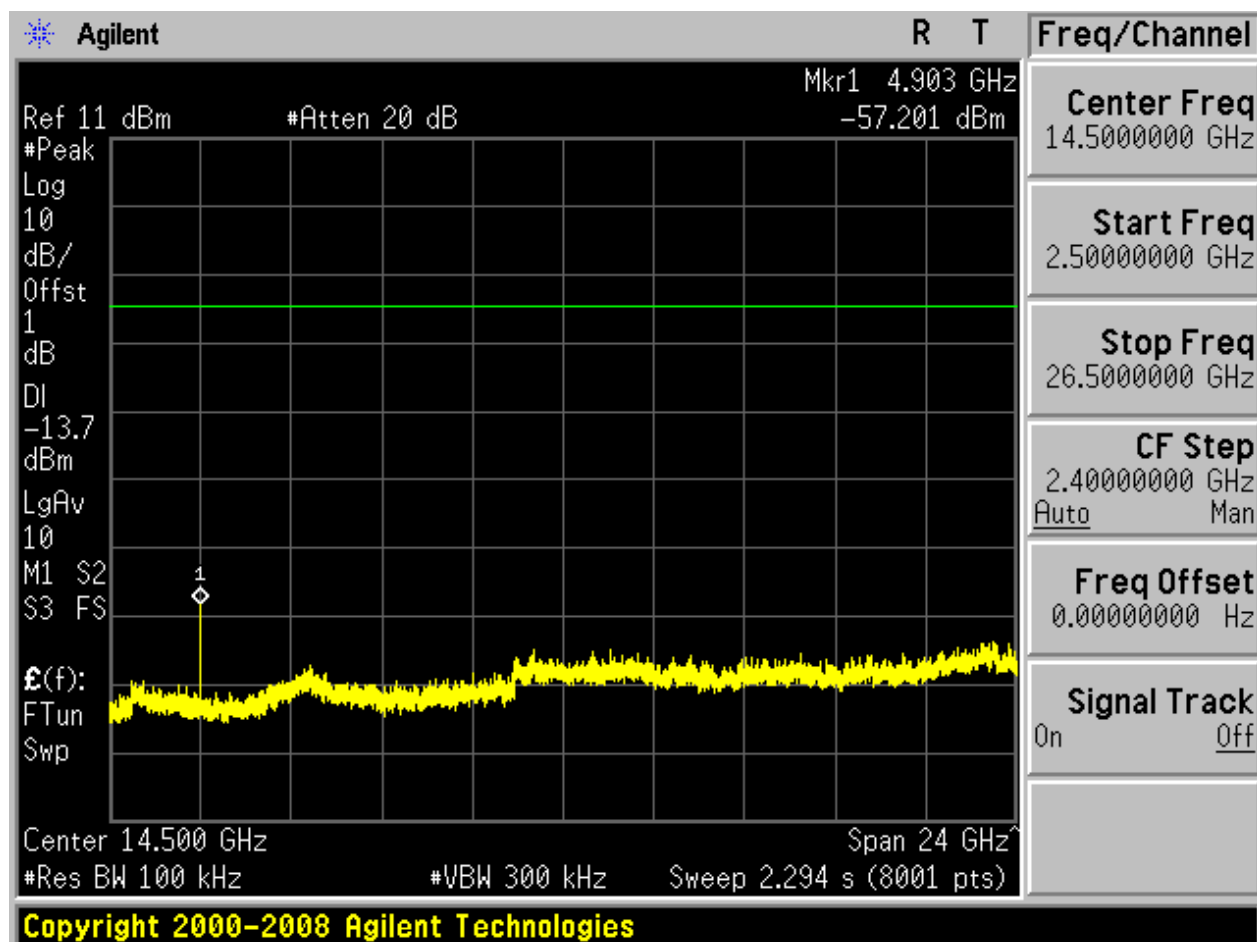






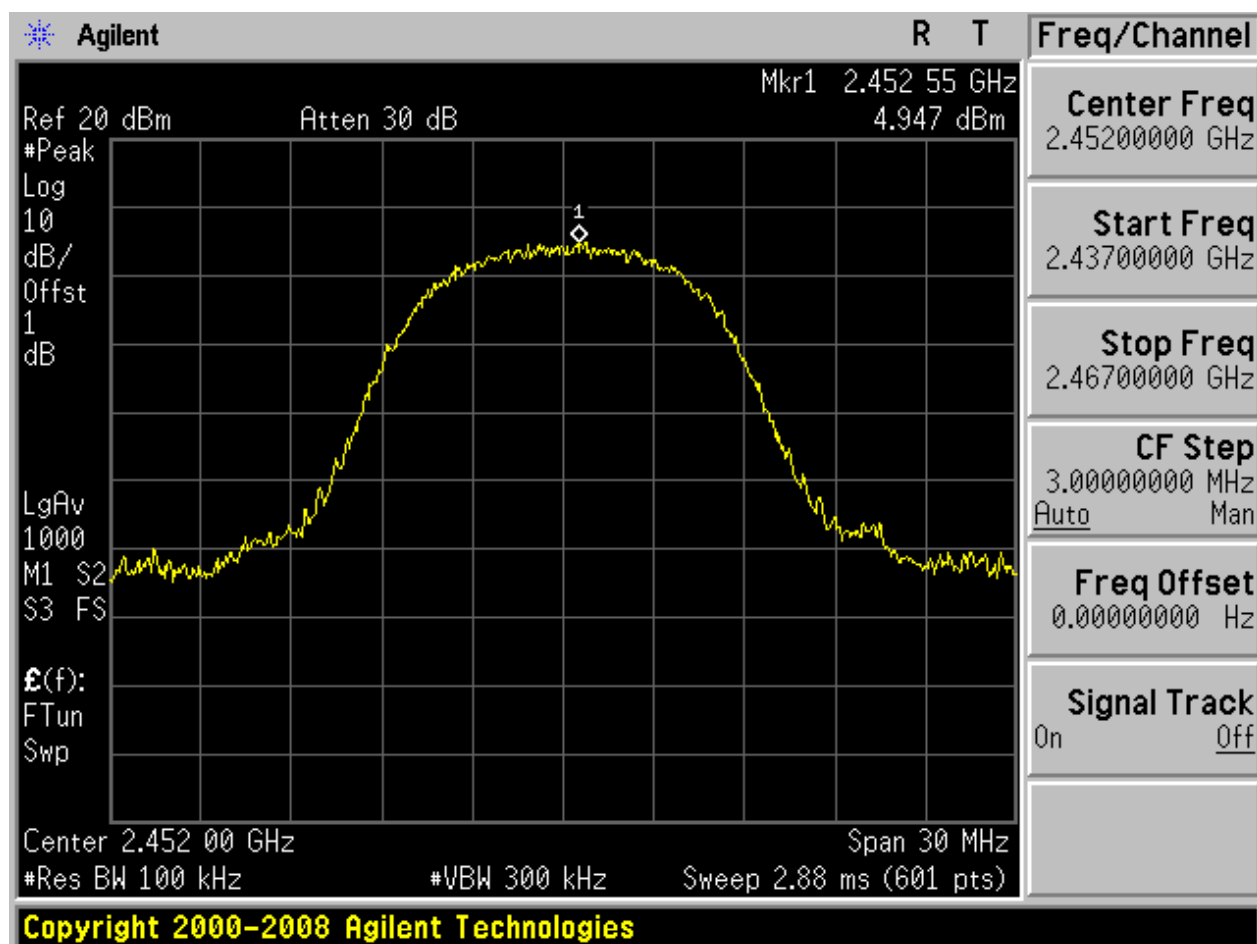






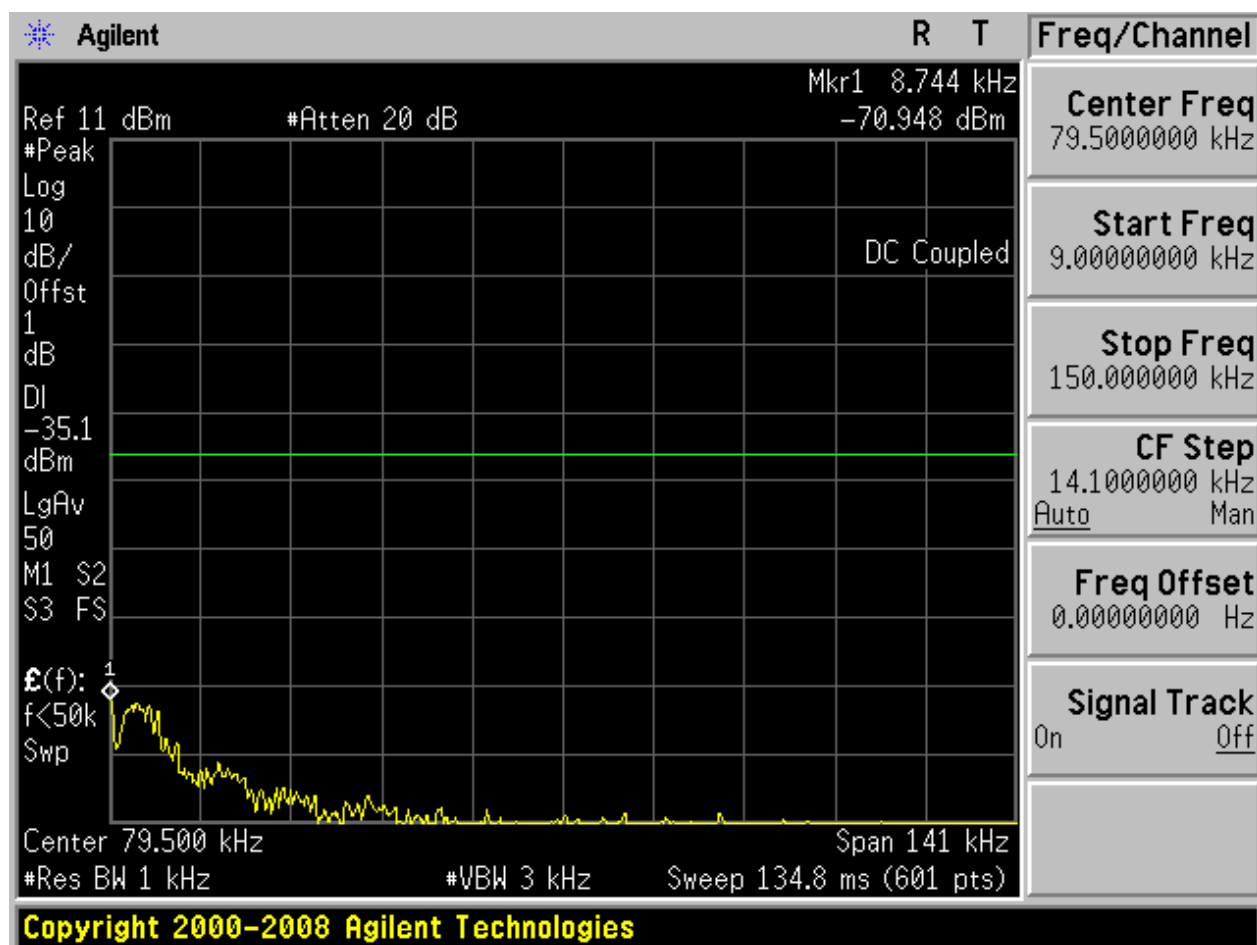
2.6 11B_H@Ant 2

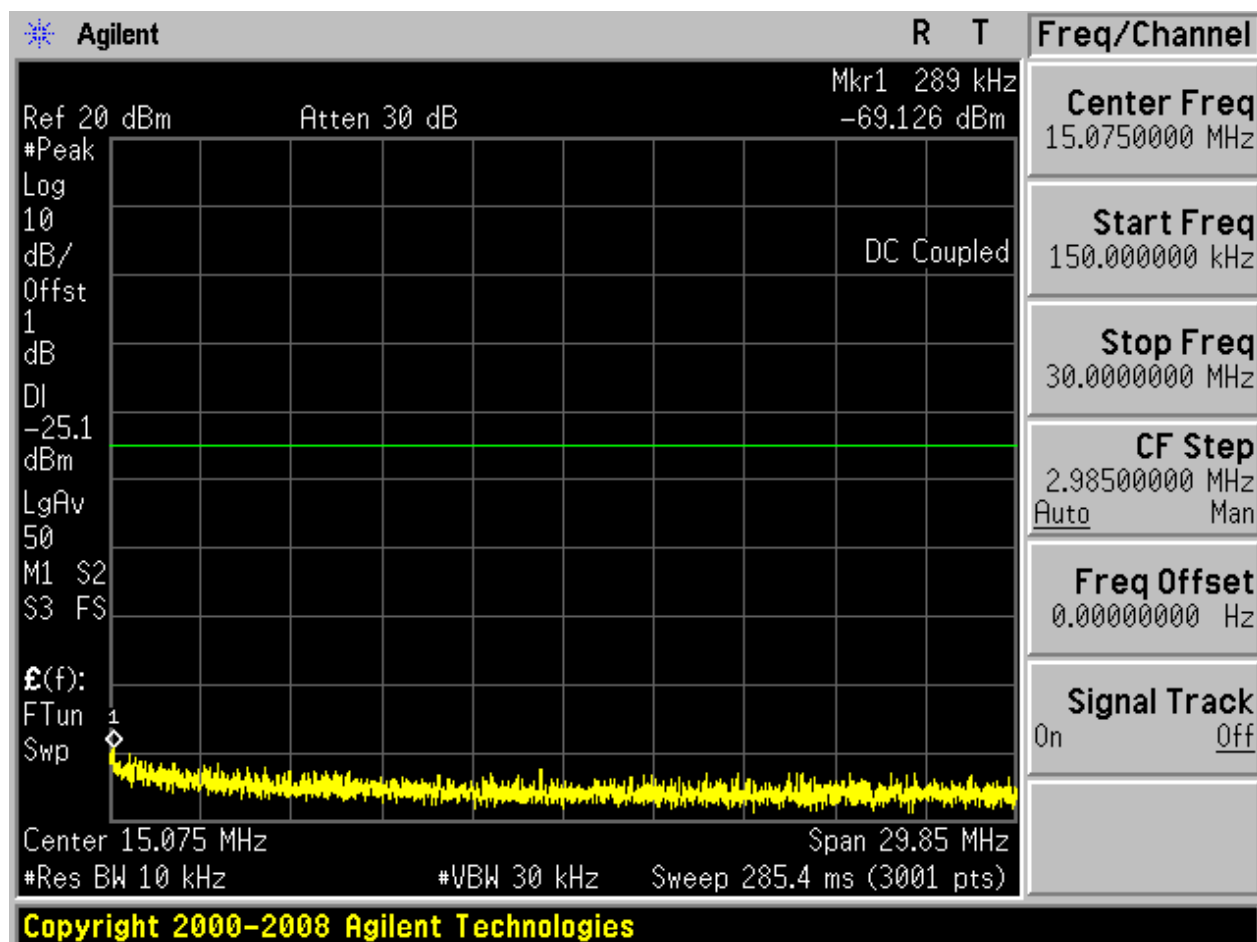
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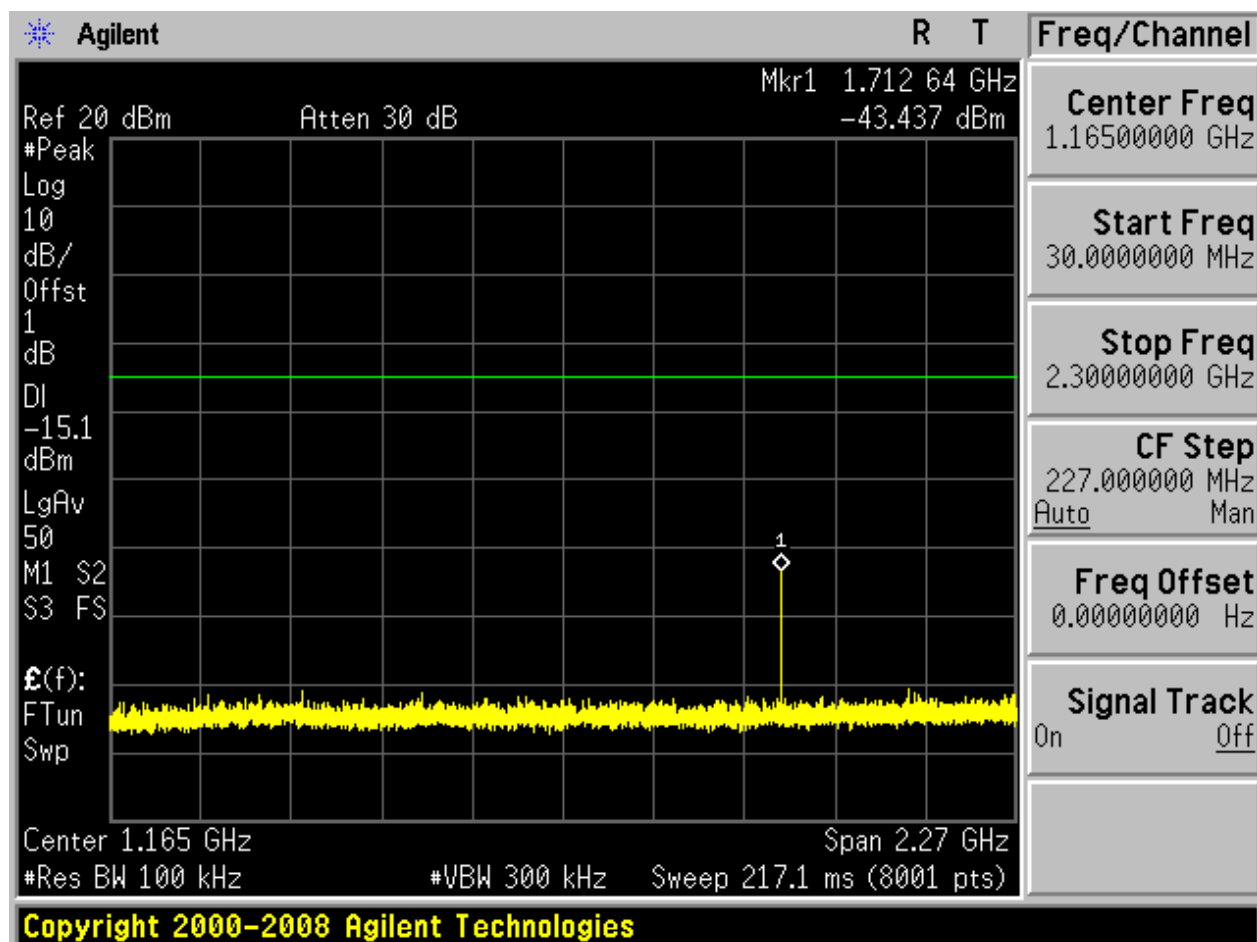


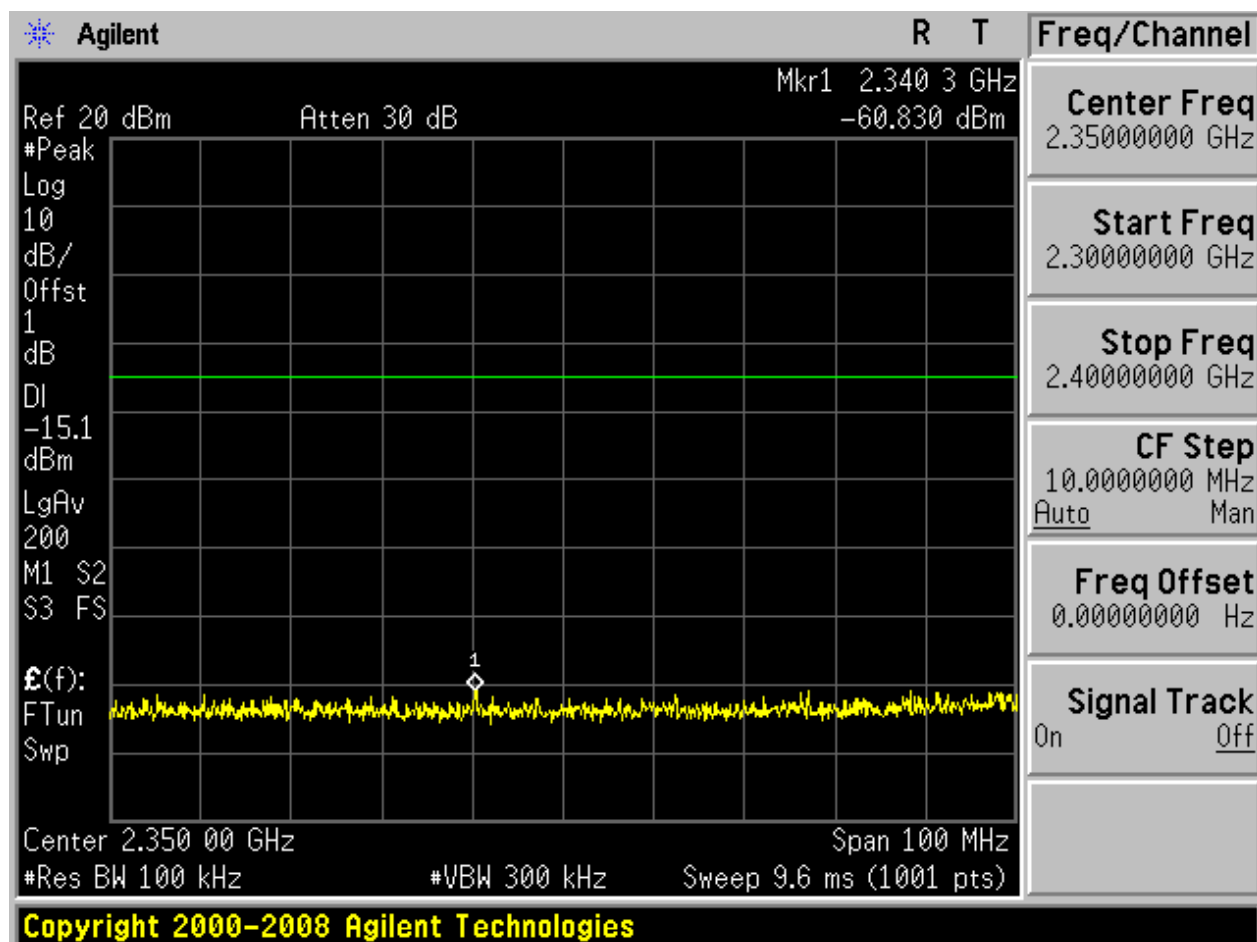


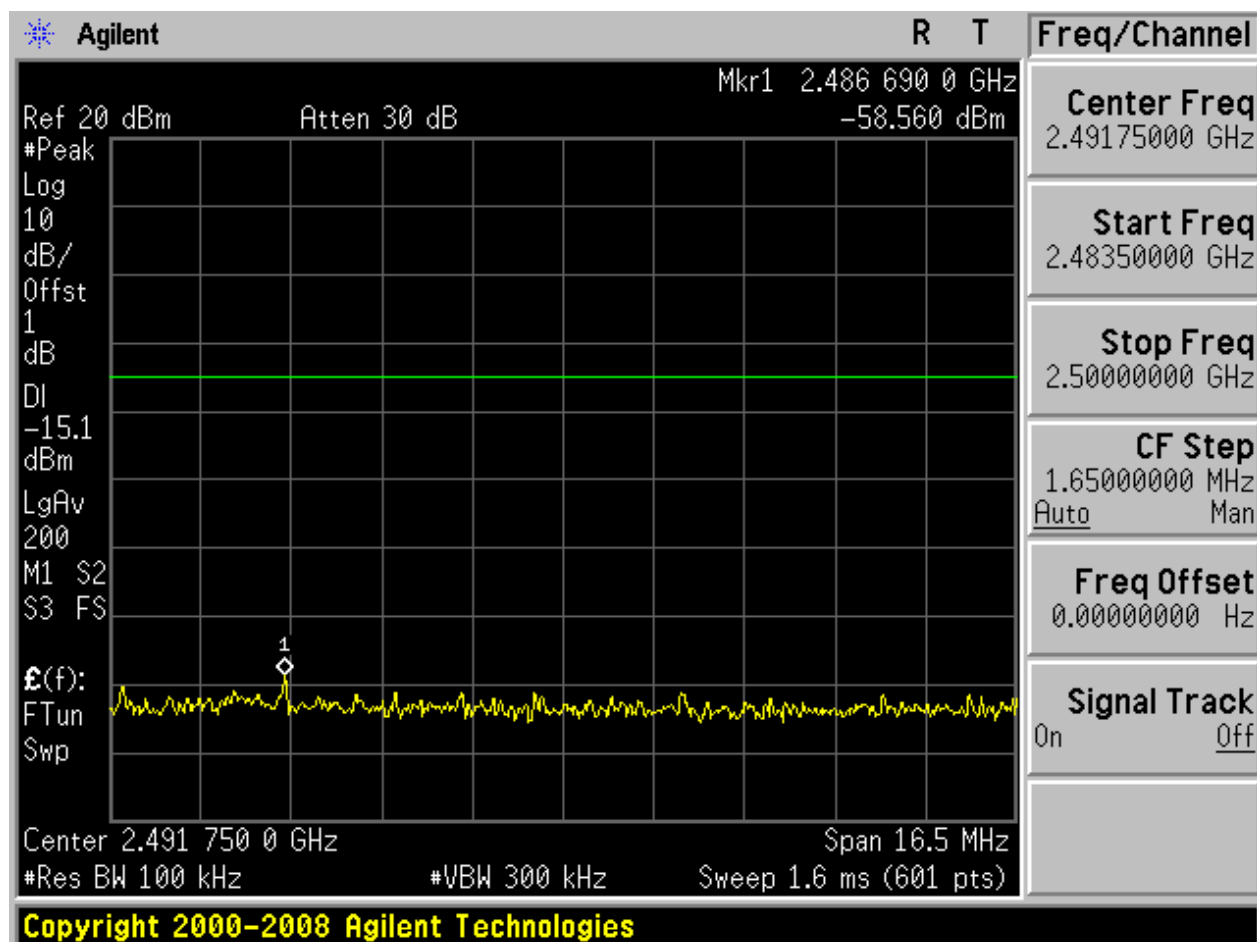
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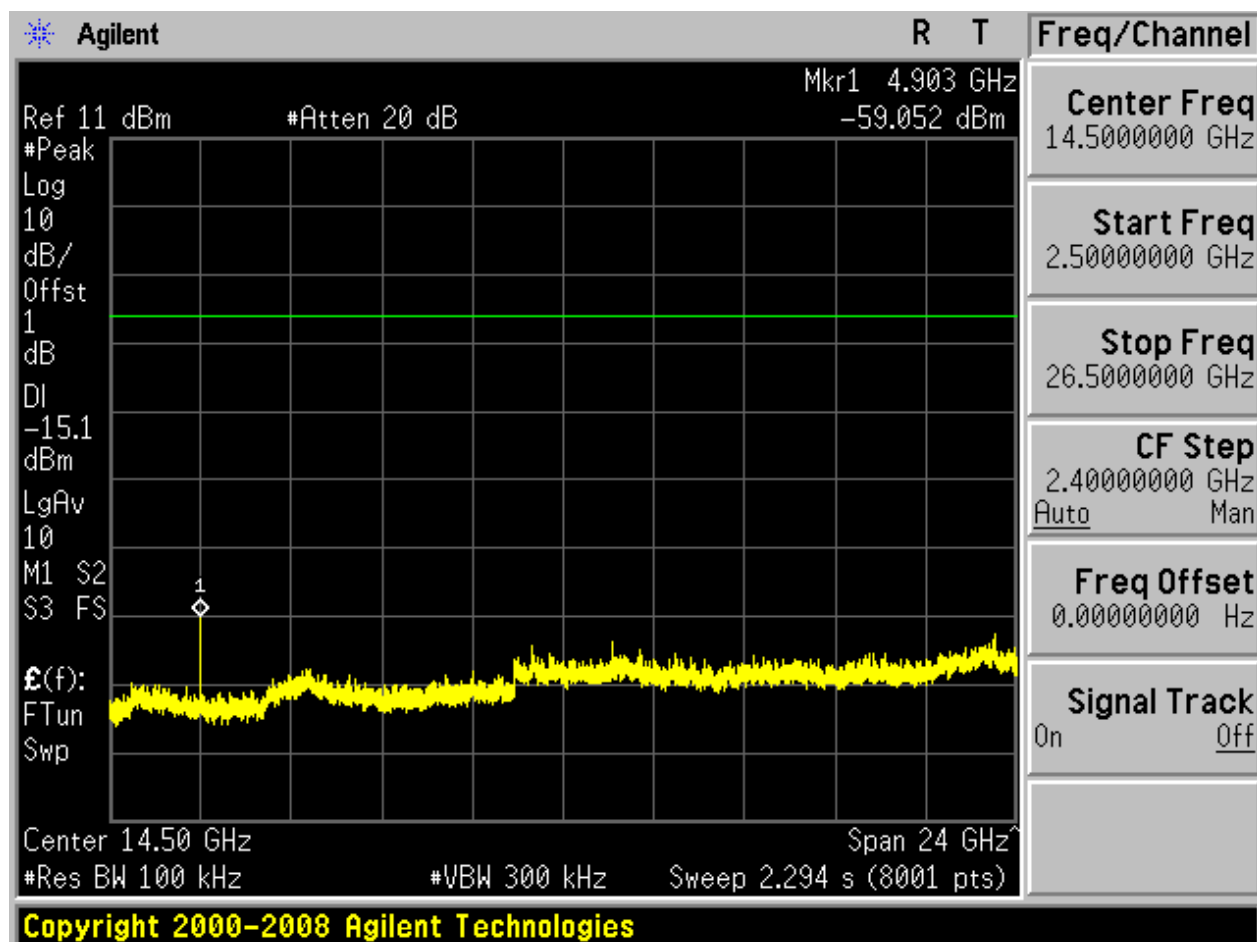






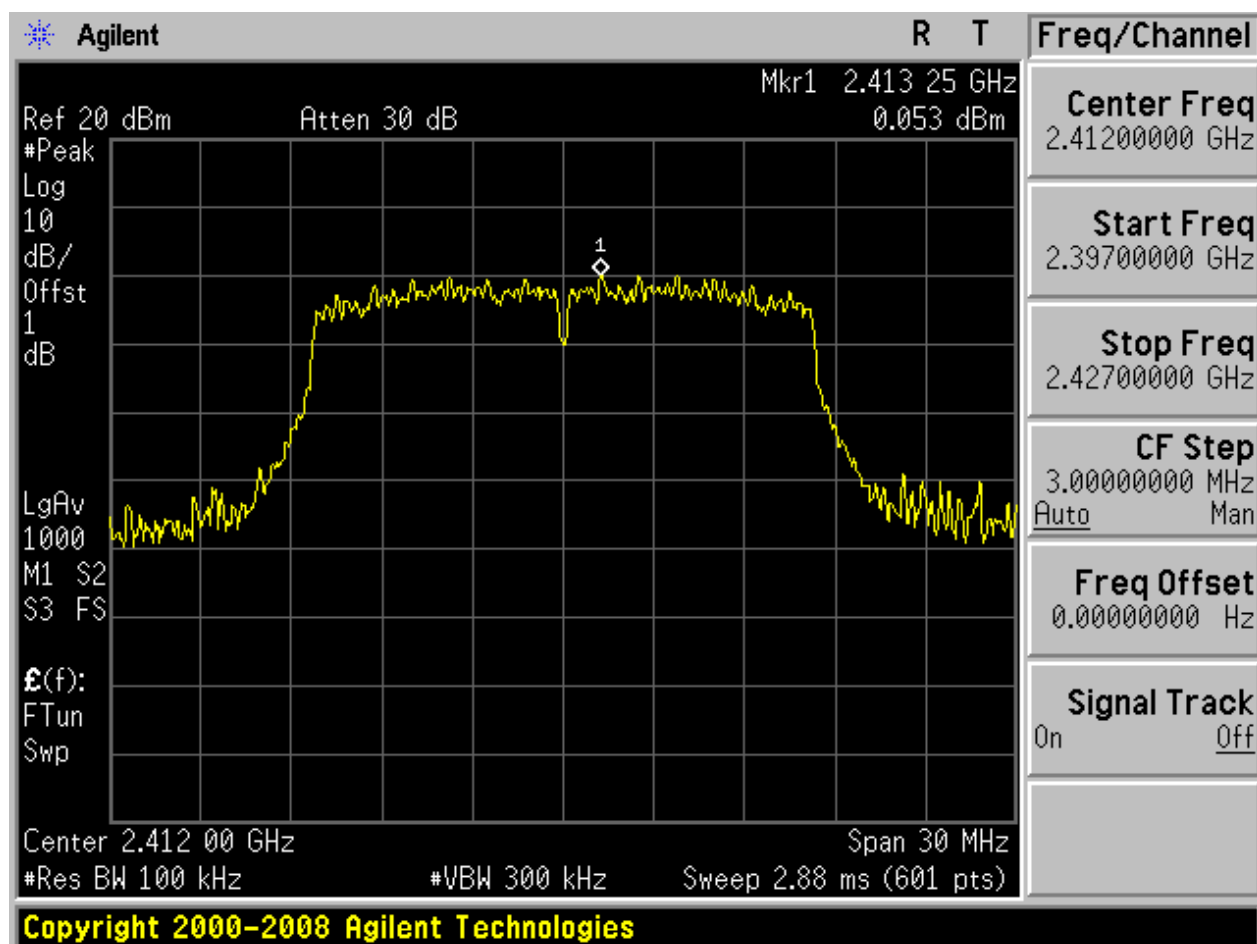




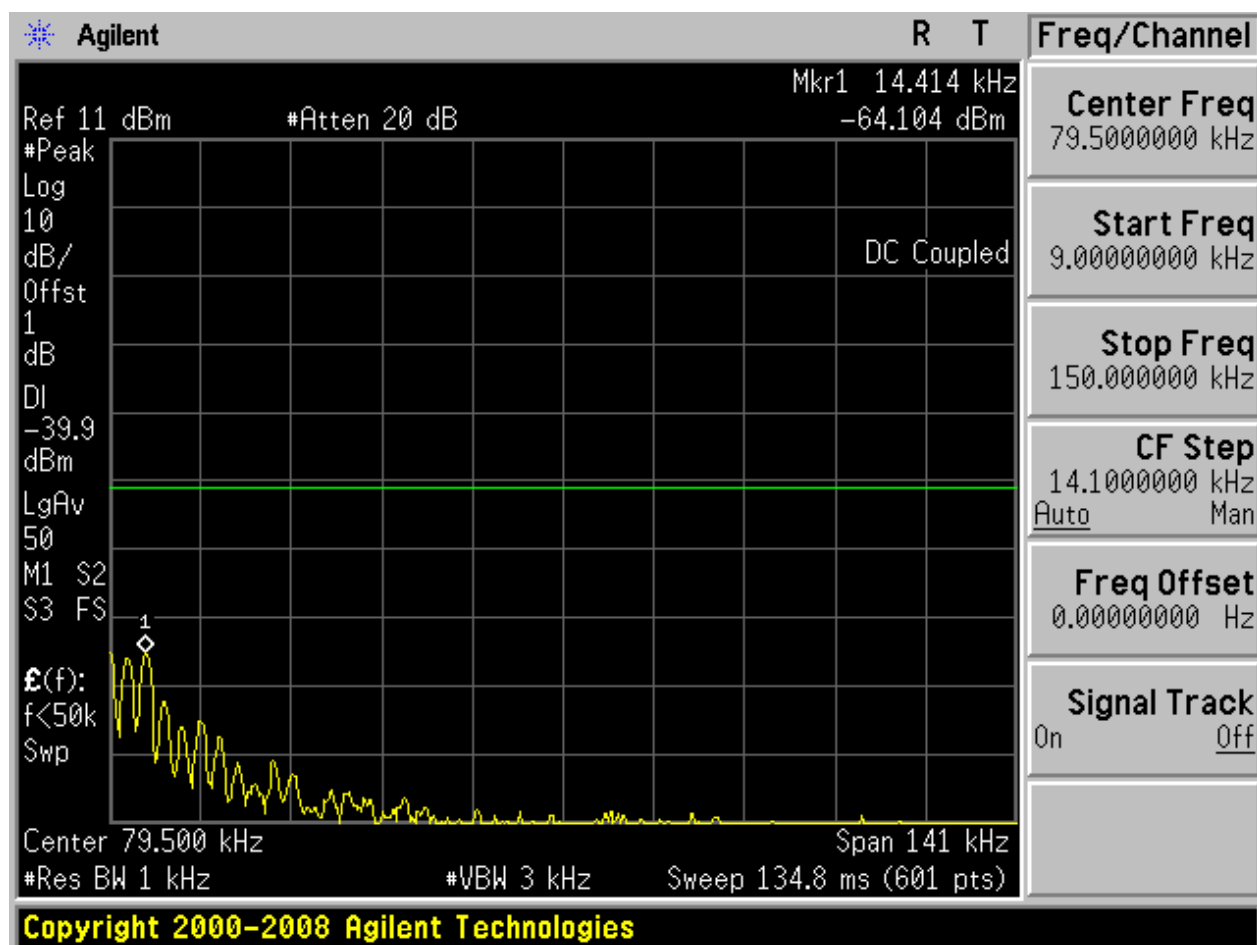


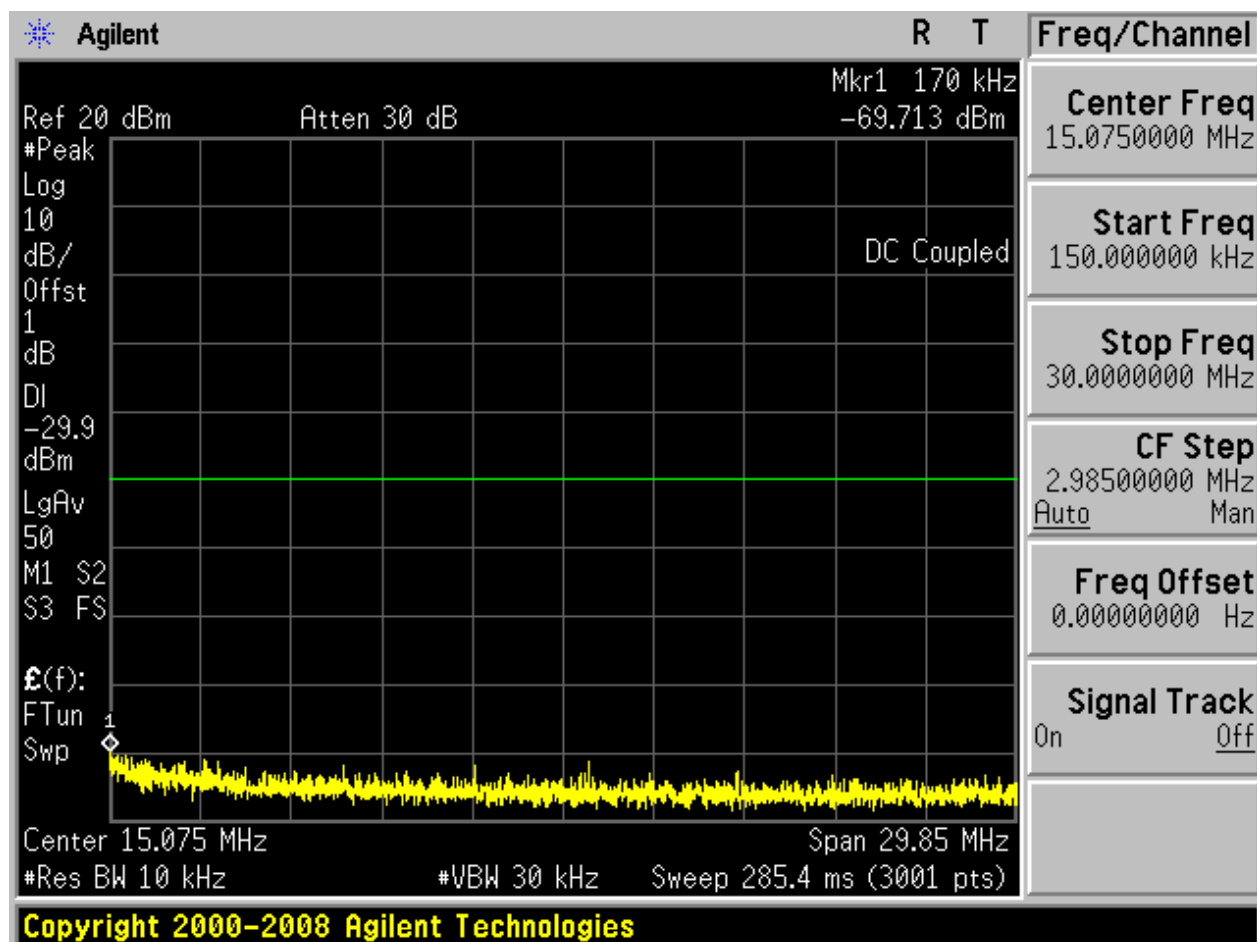
2.7 11G_L@Ant 1

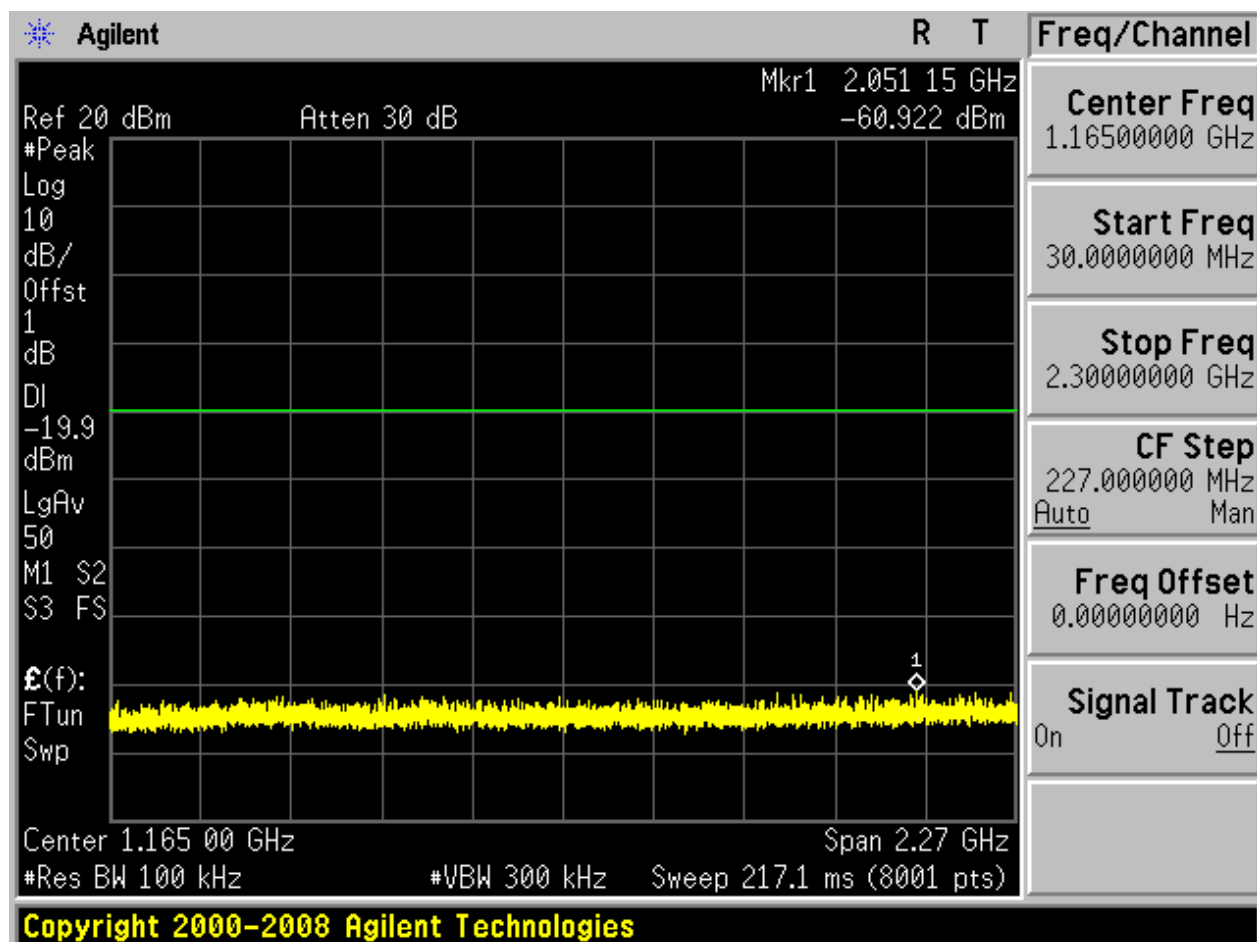
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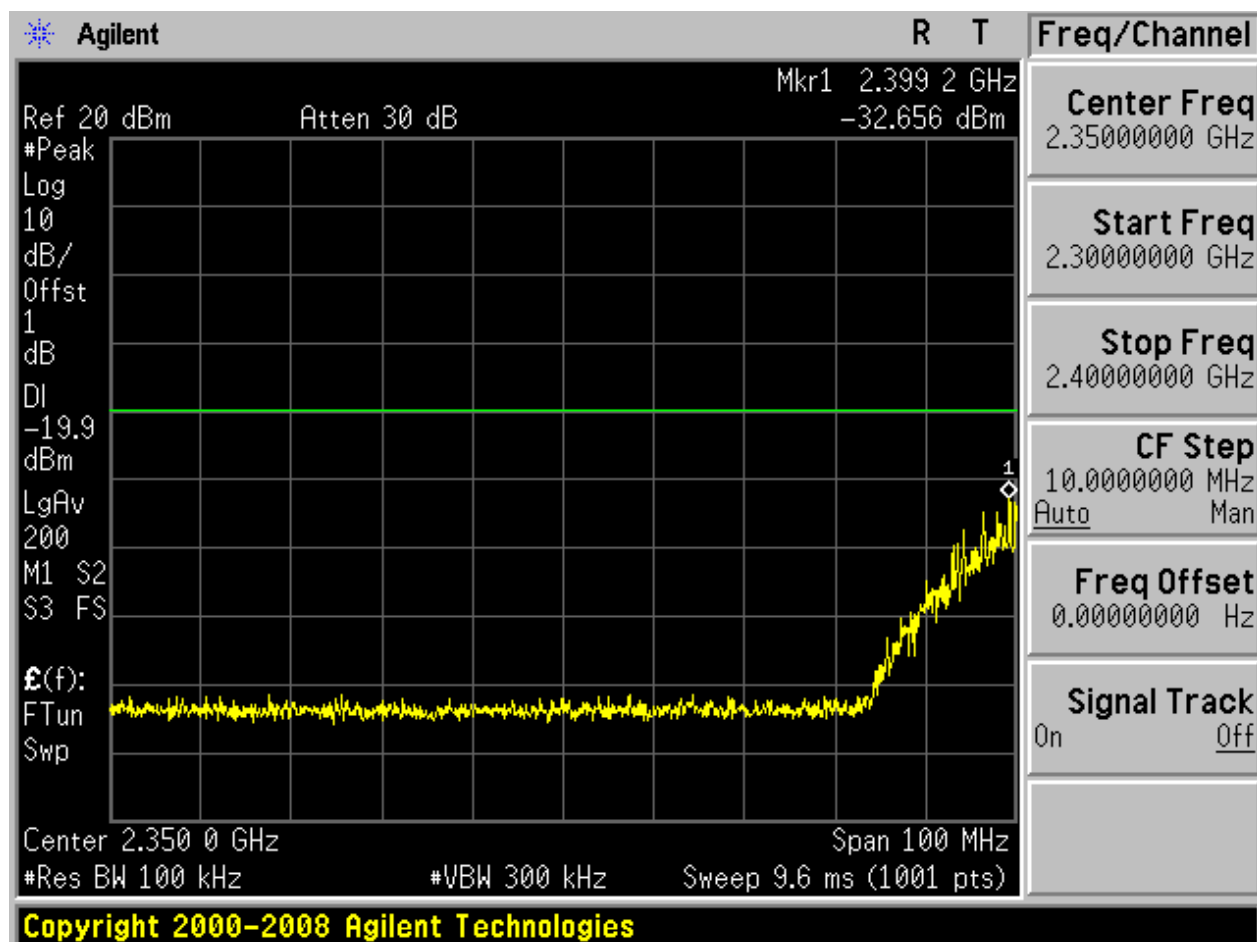


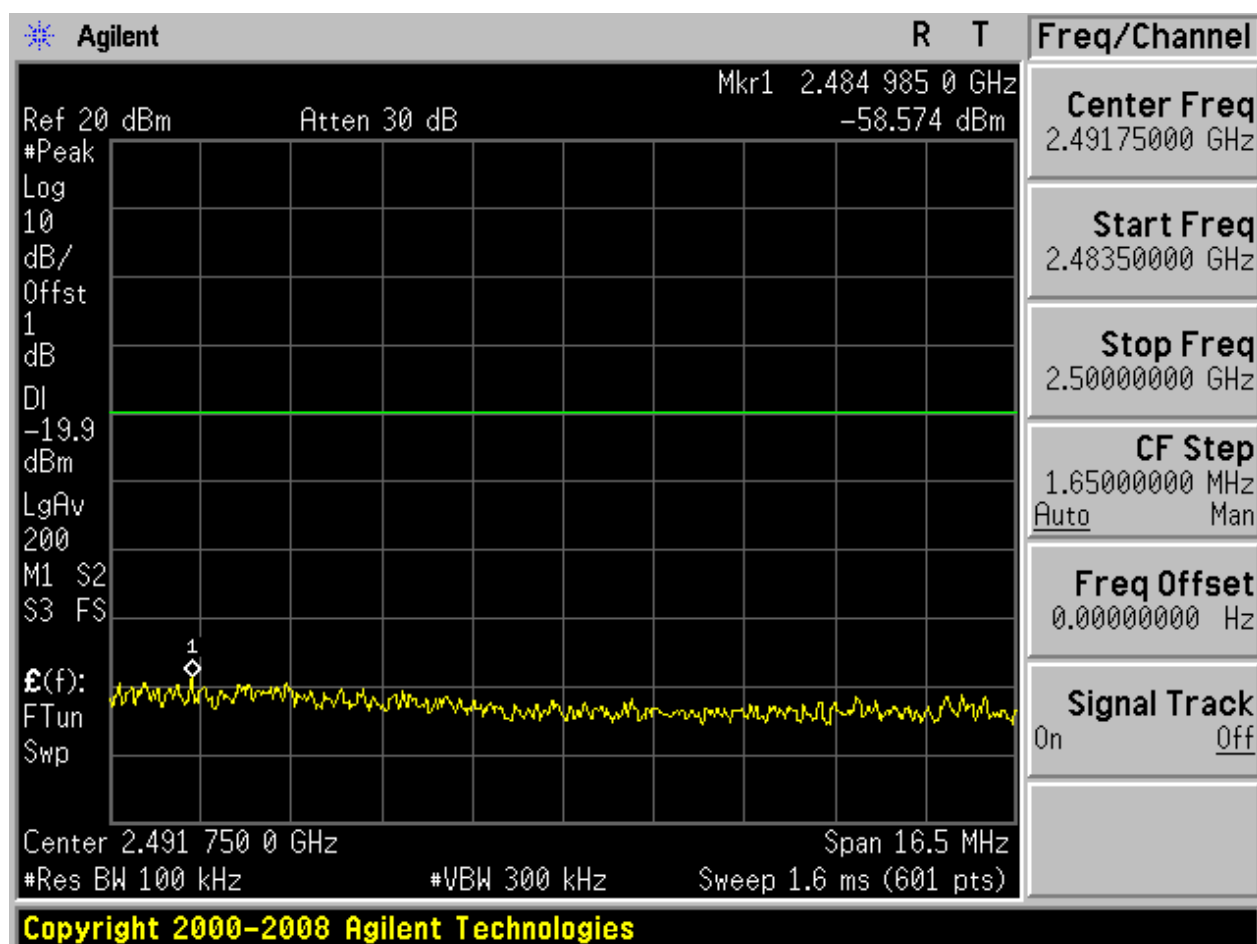
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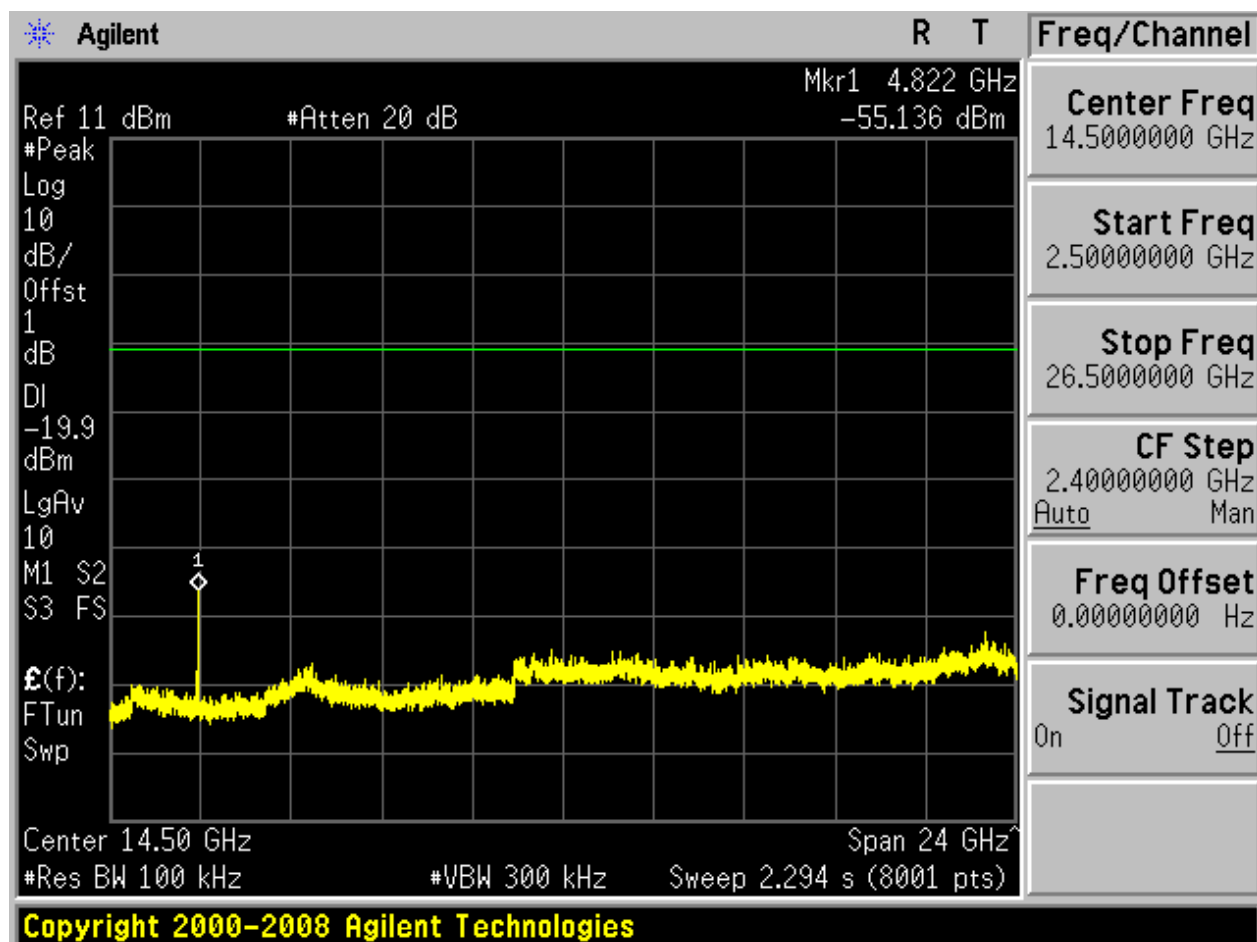








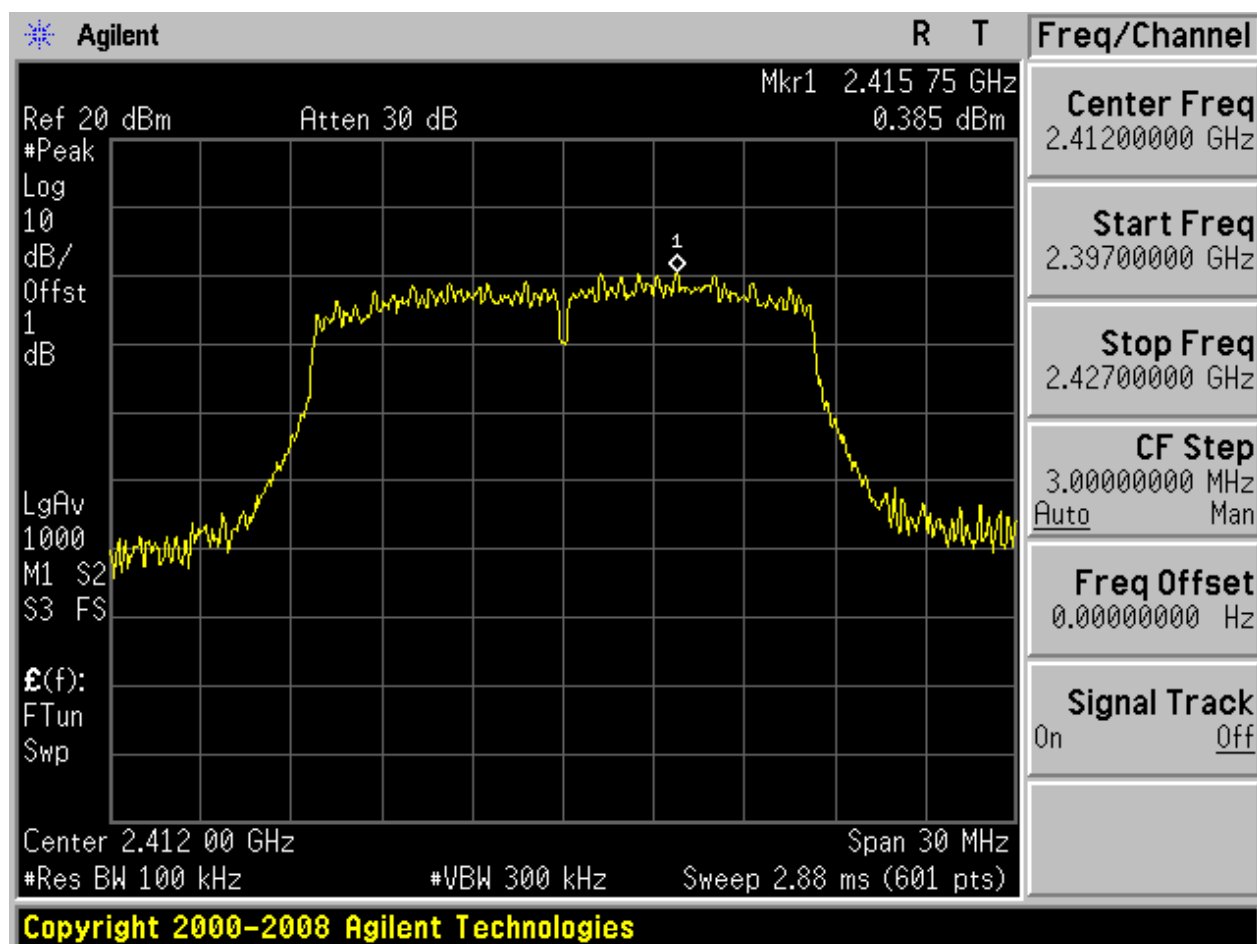




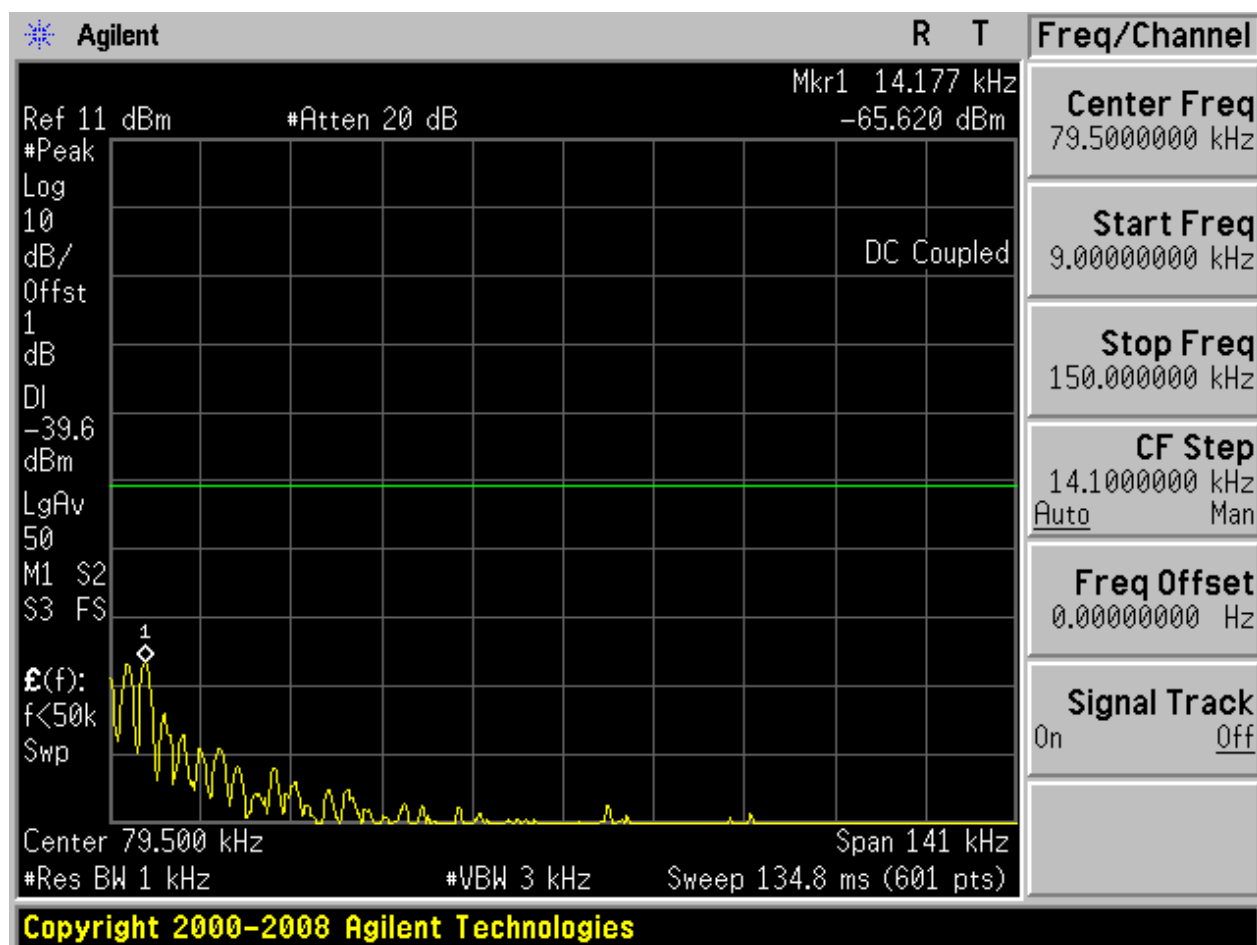


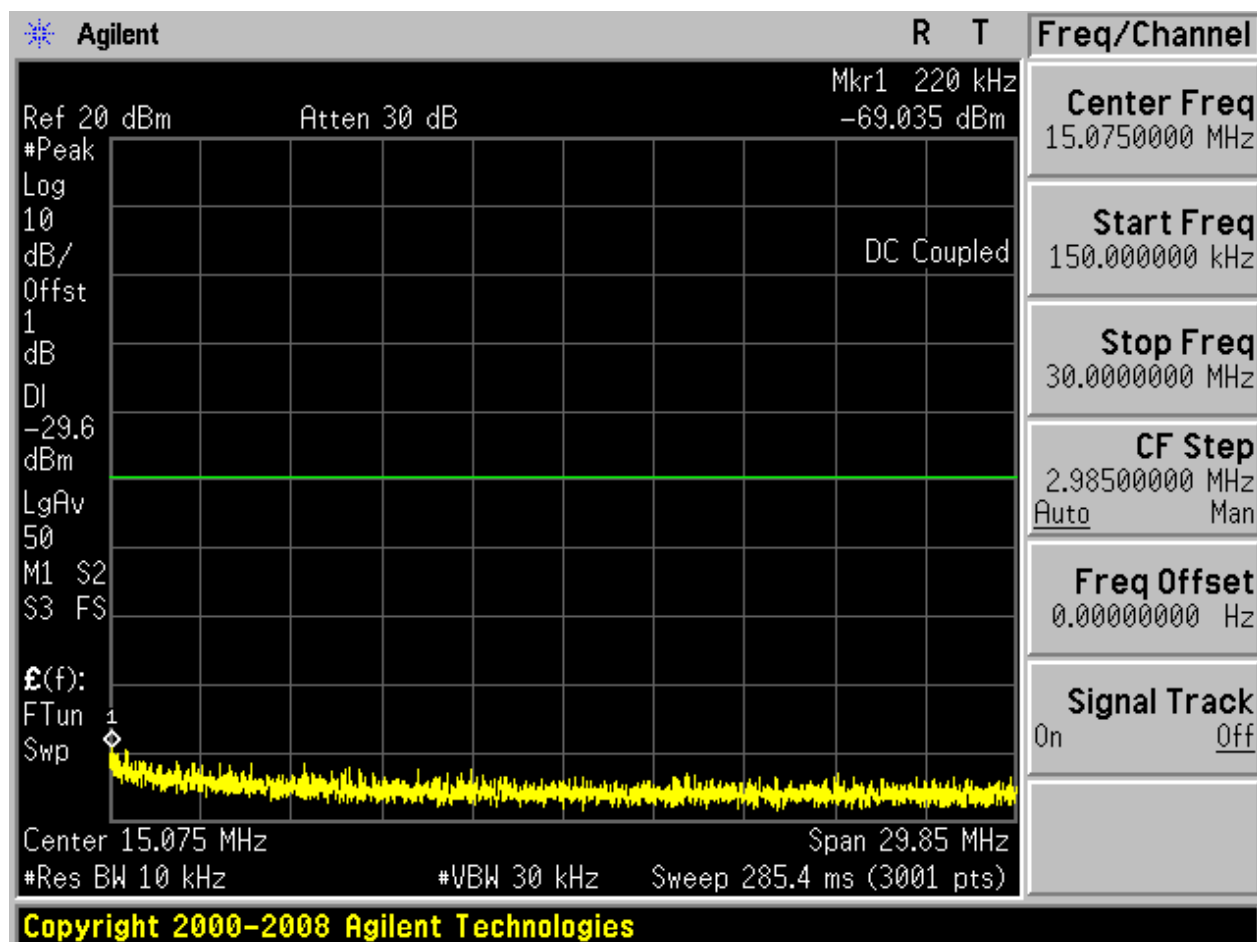
2.8 11G_L@Ant 2

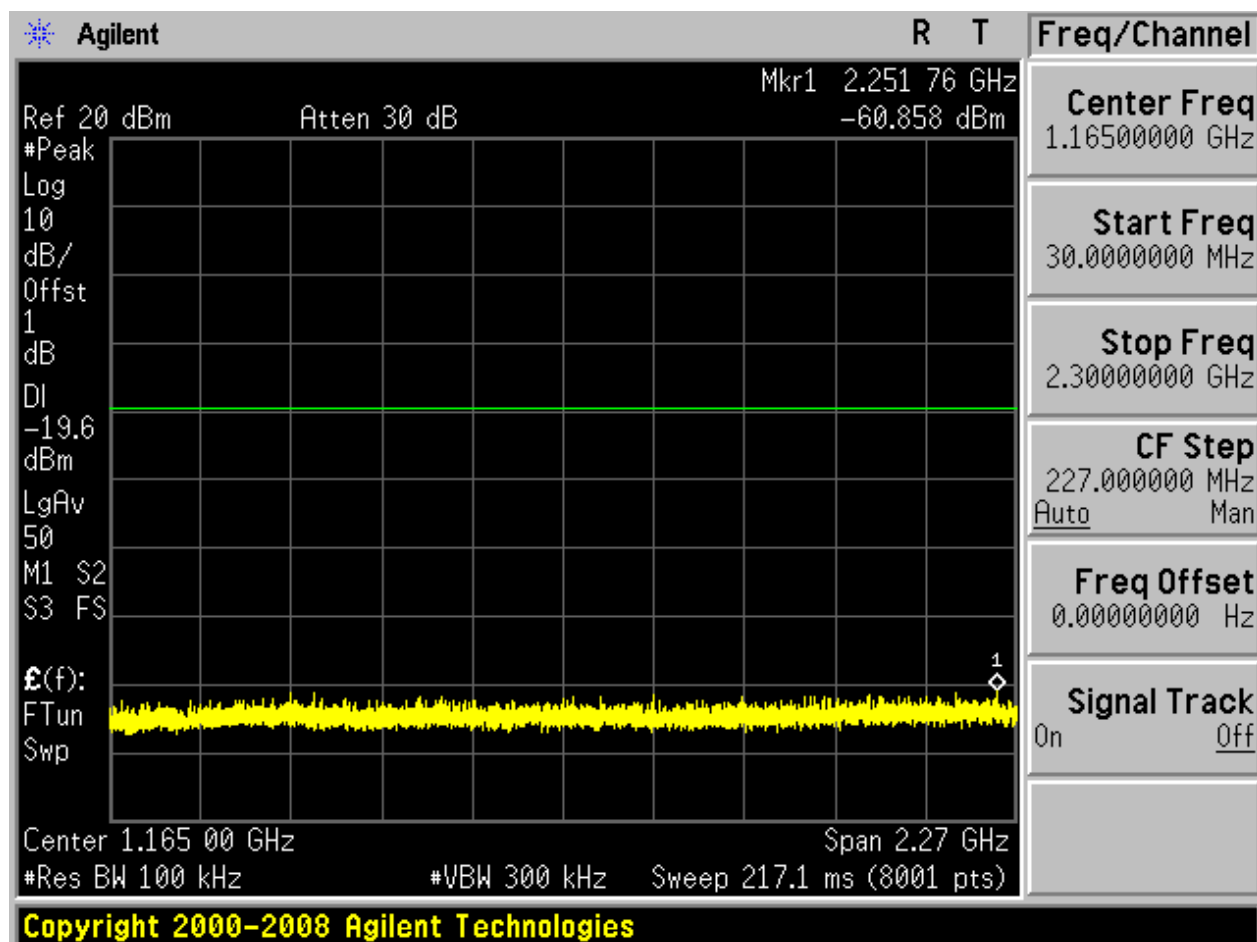
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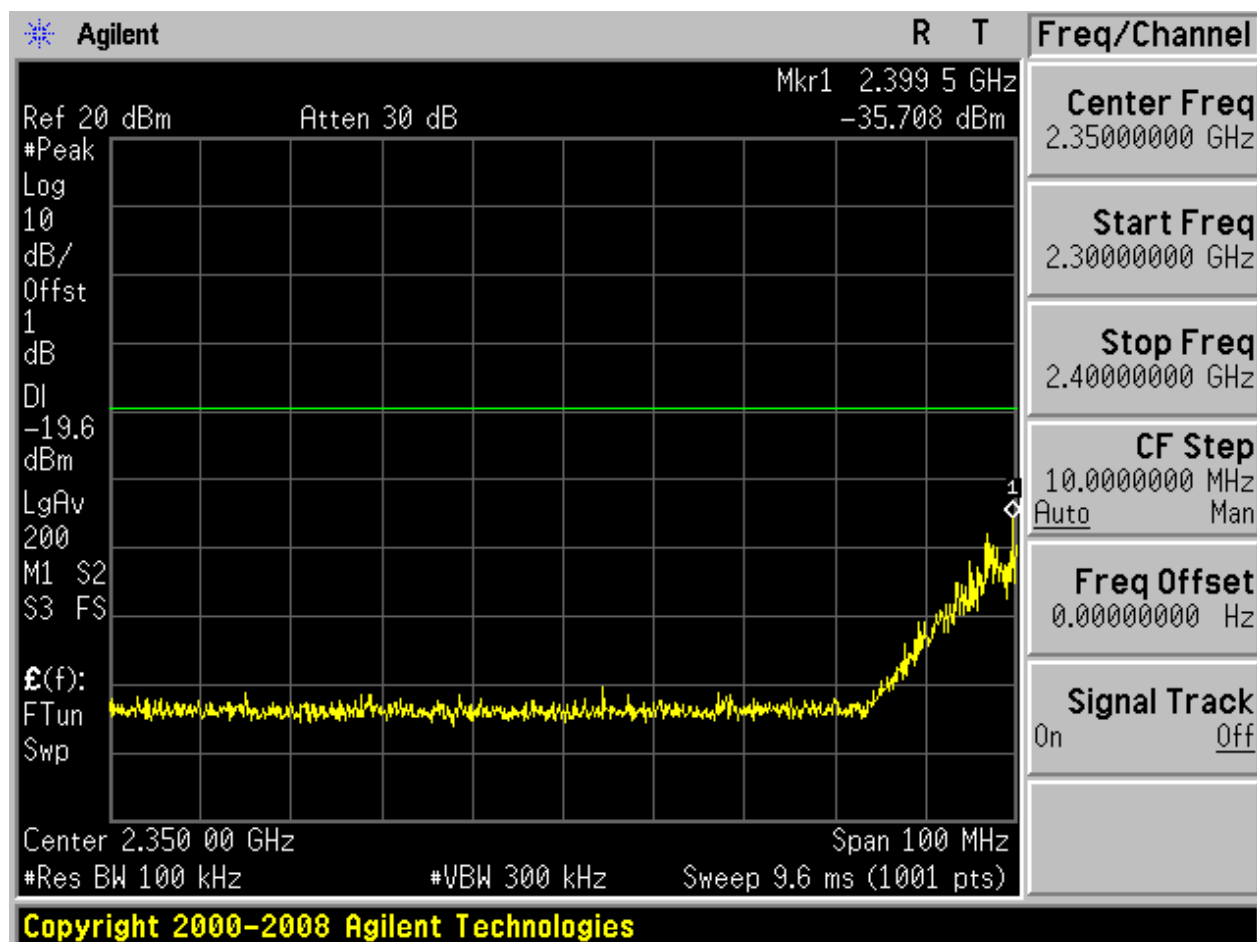


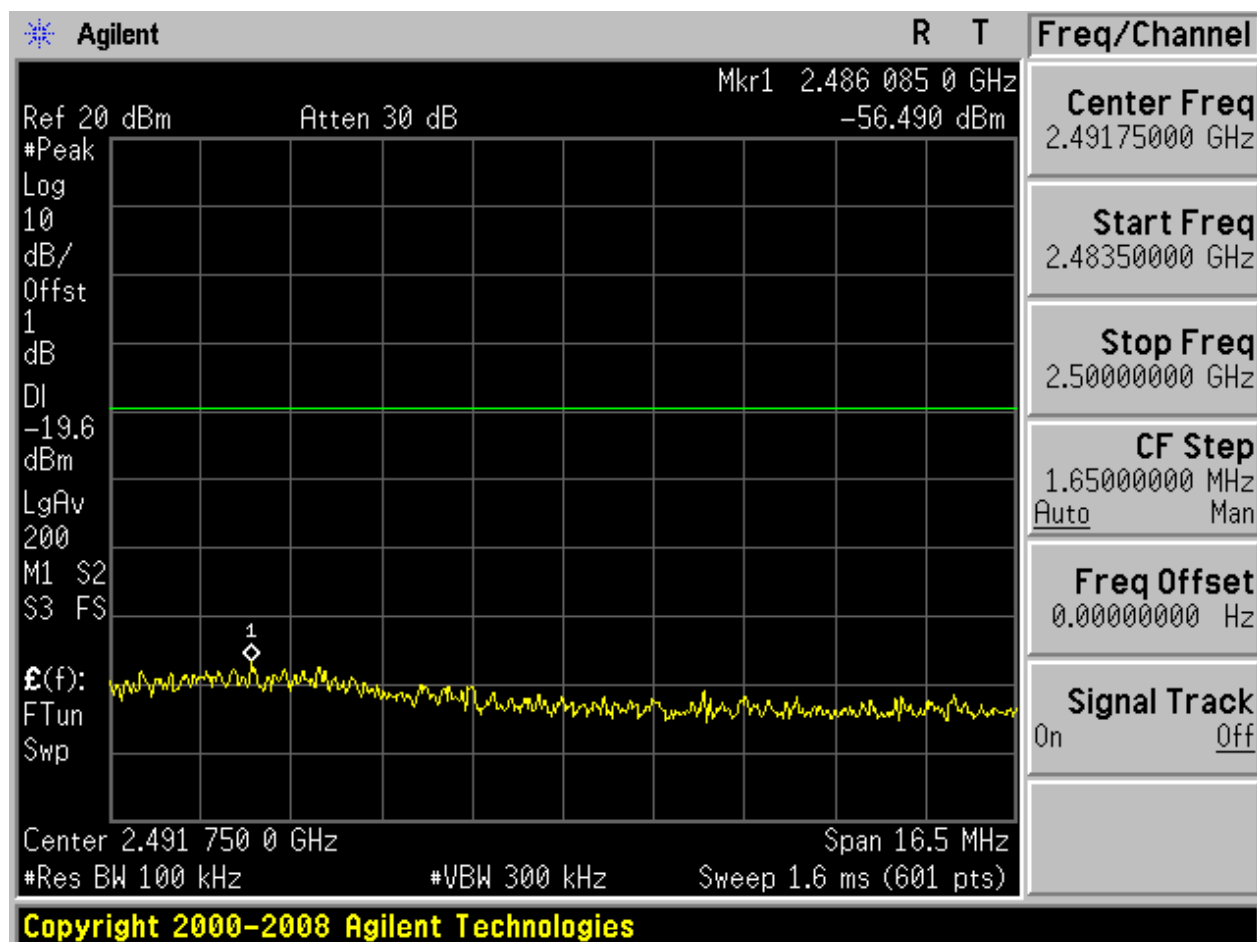
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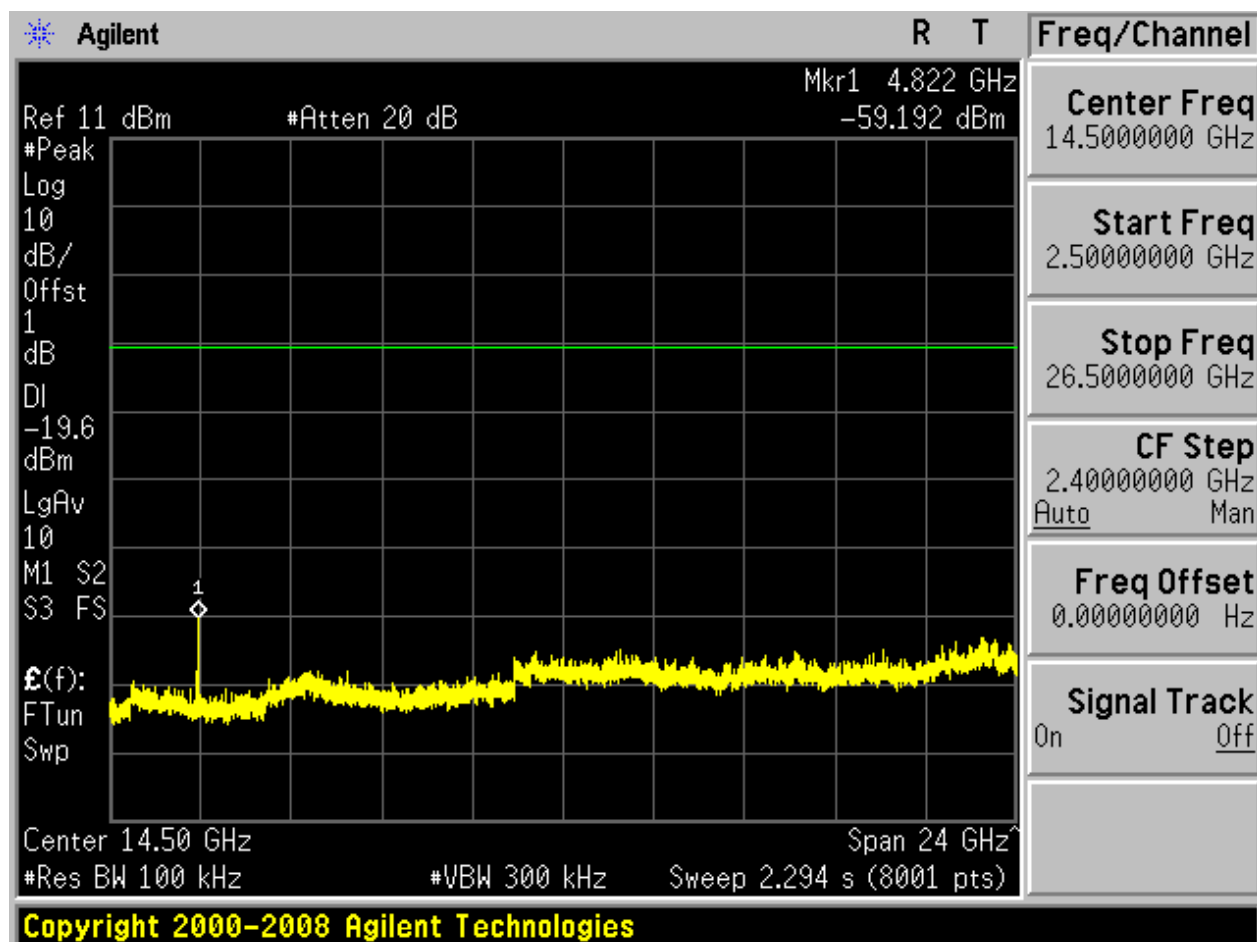






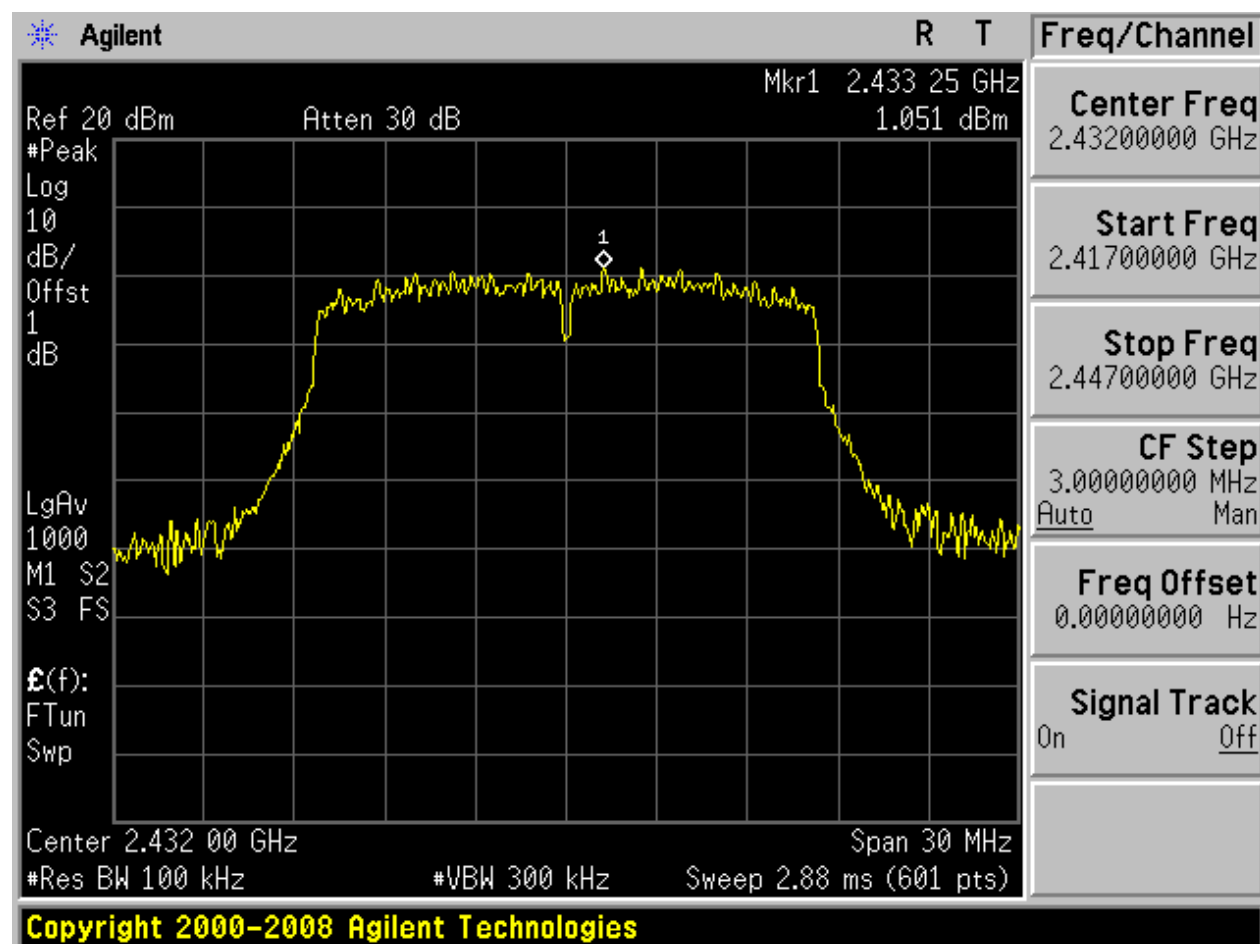






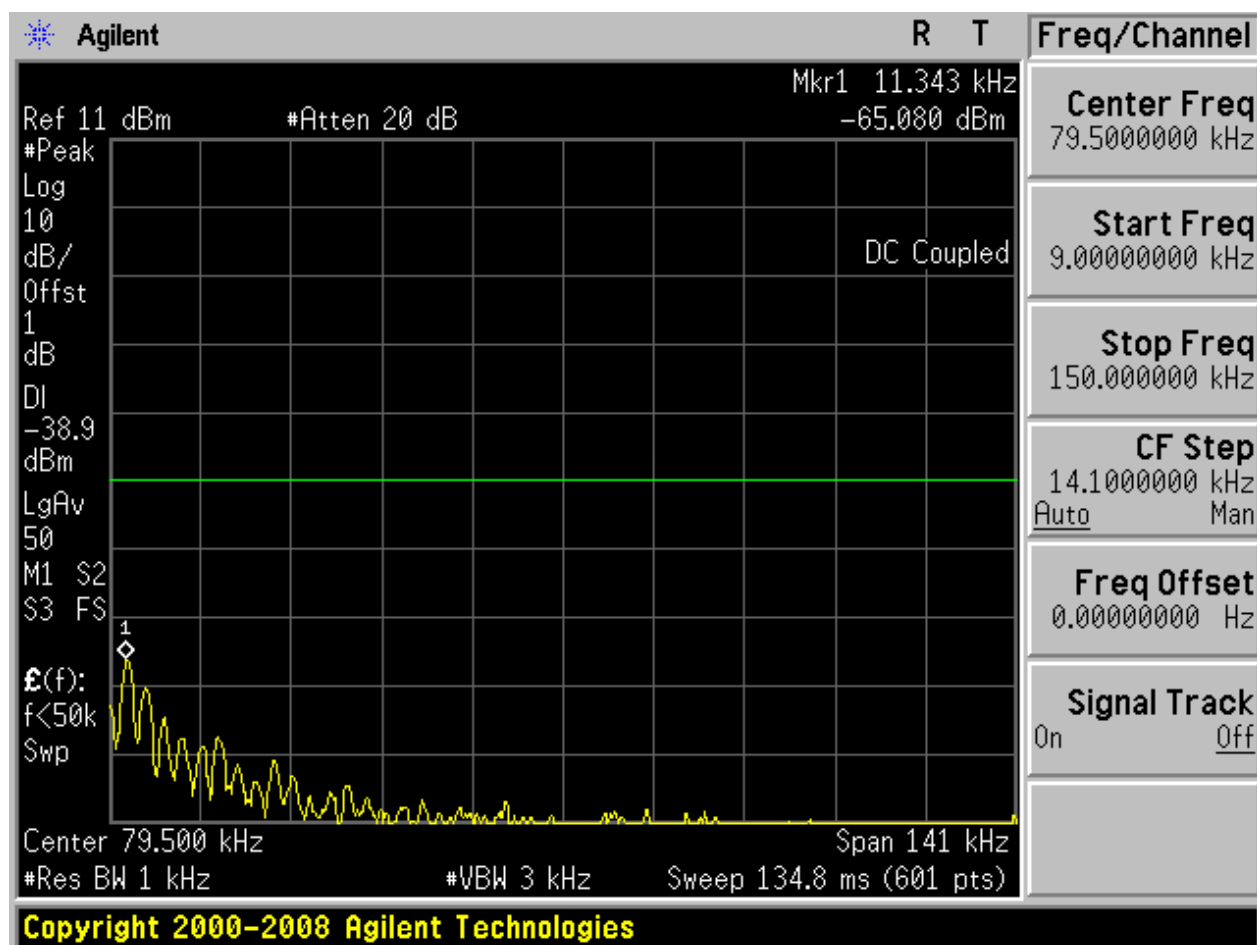
2.9 11G_M@Ant 1

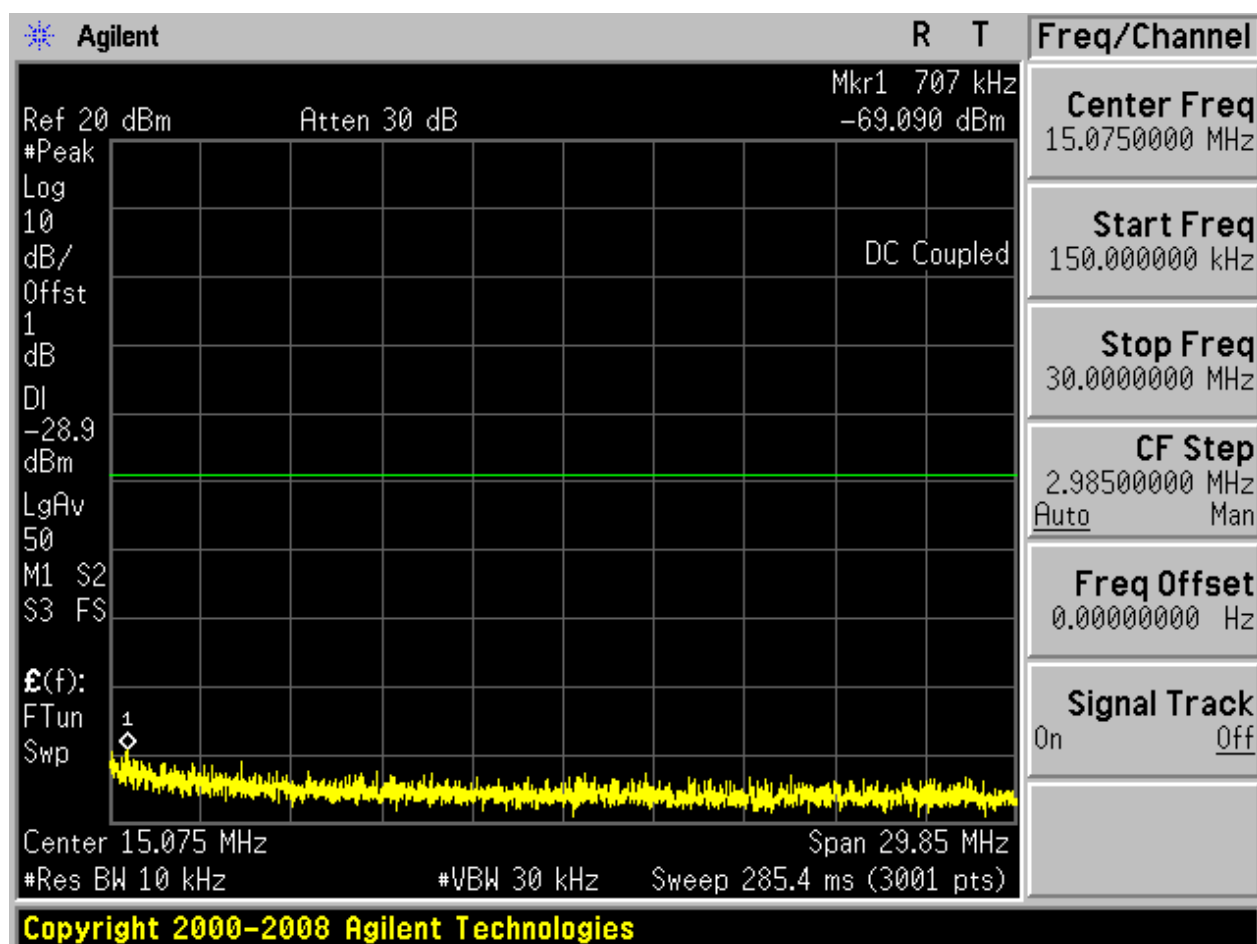
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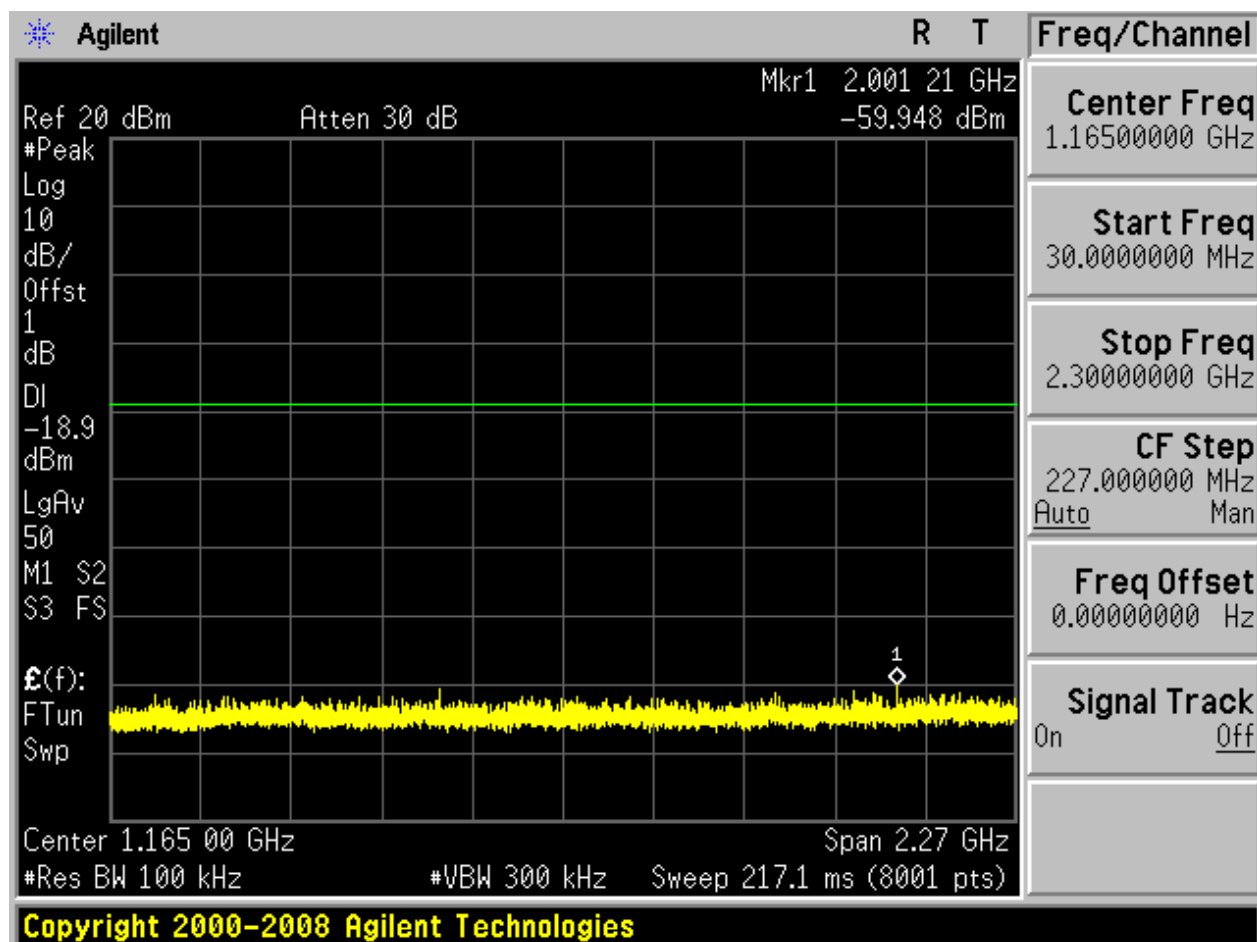


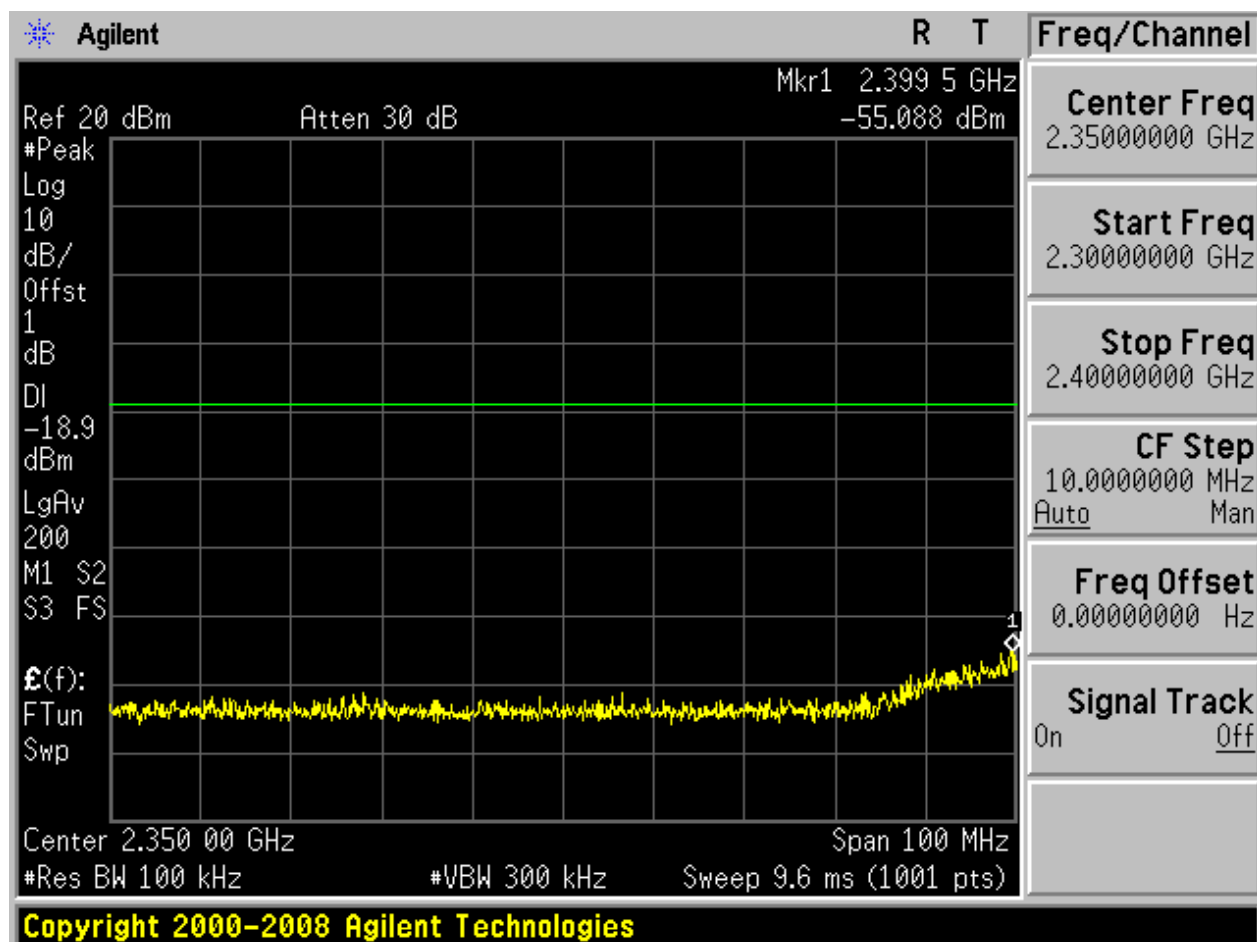


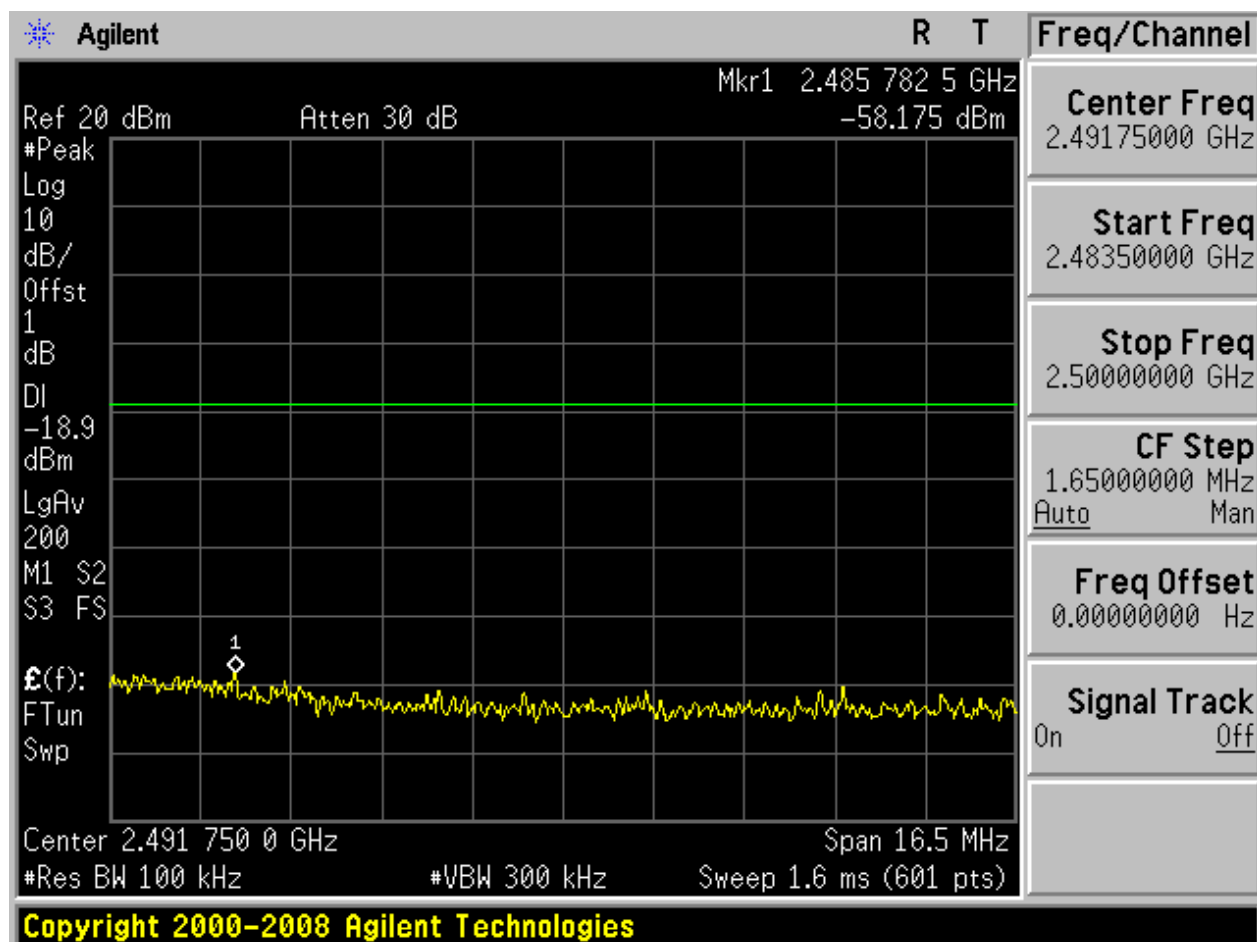
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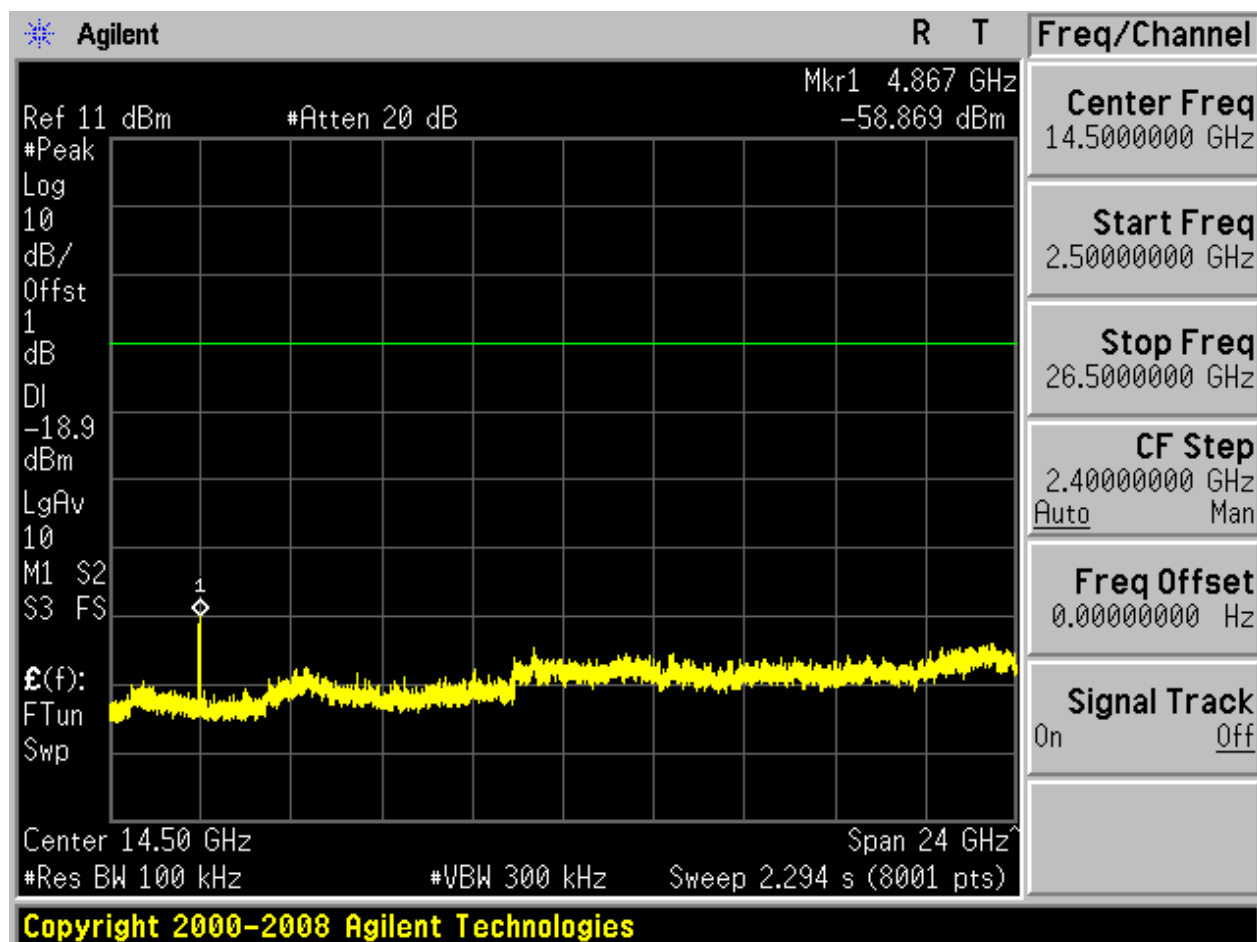








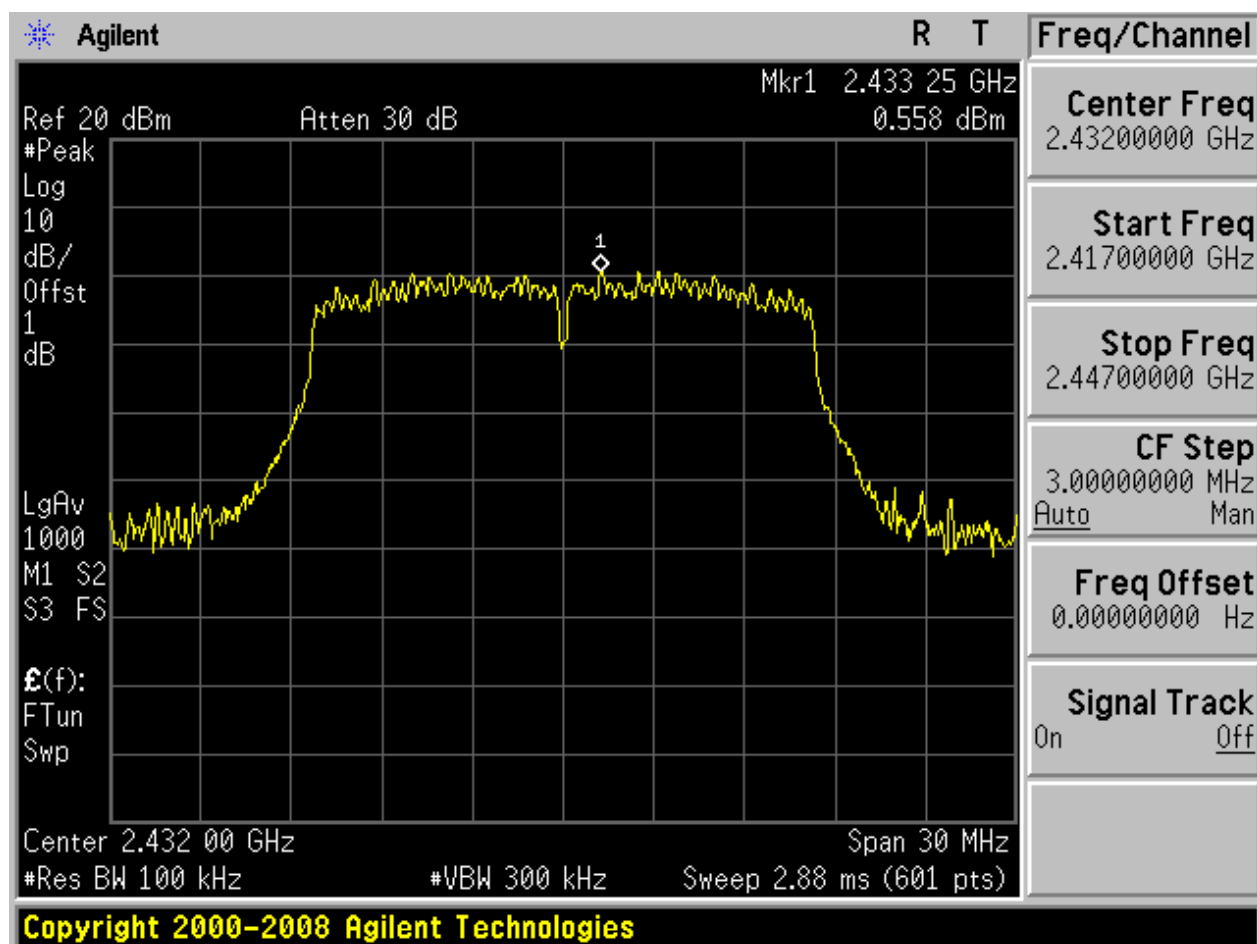




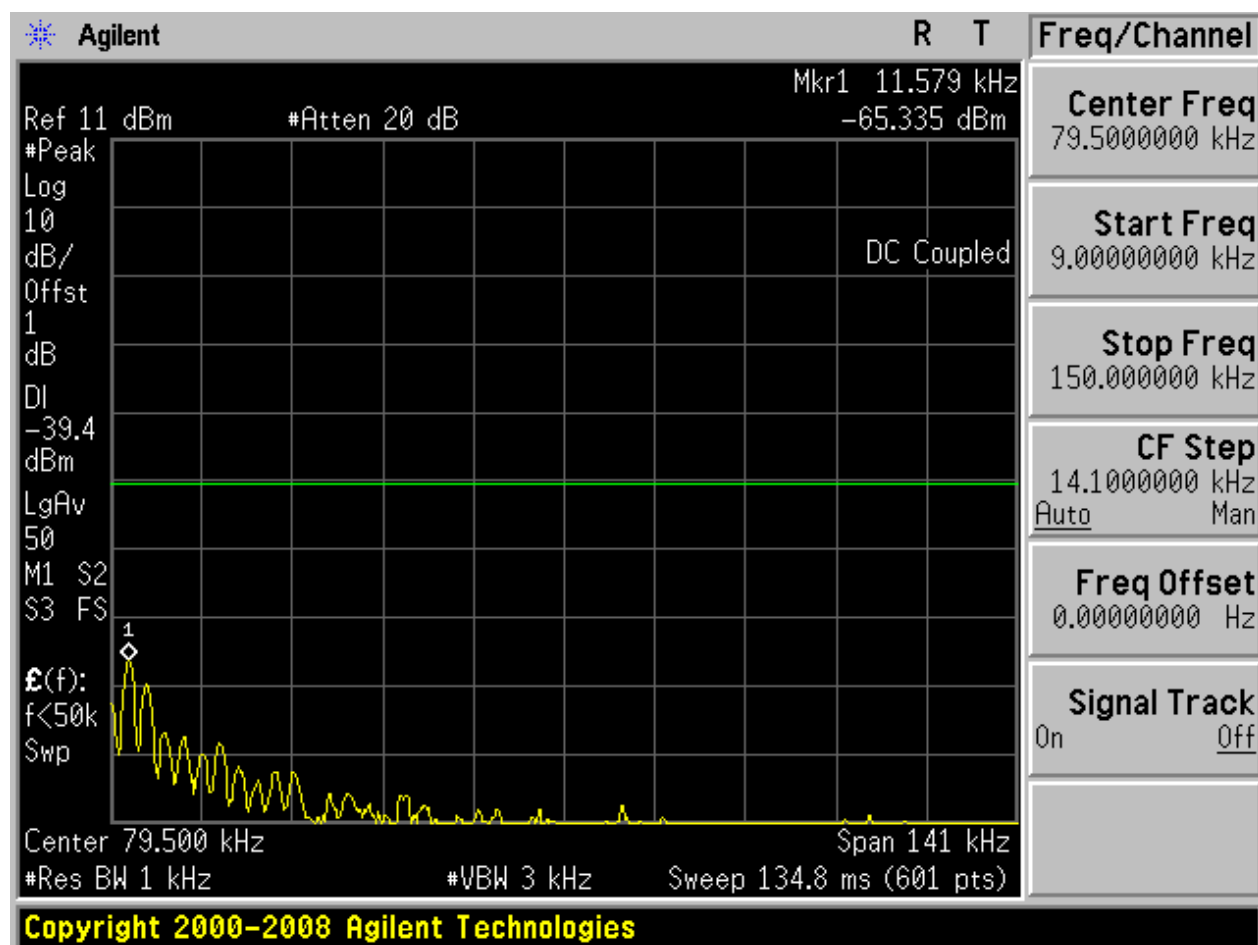


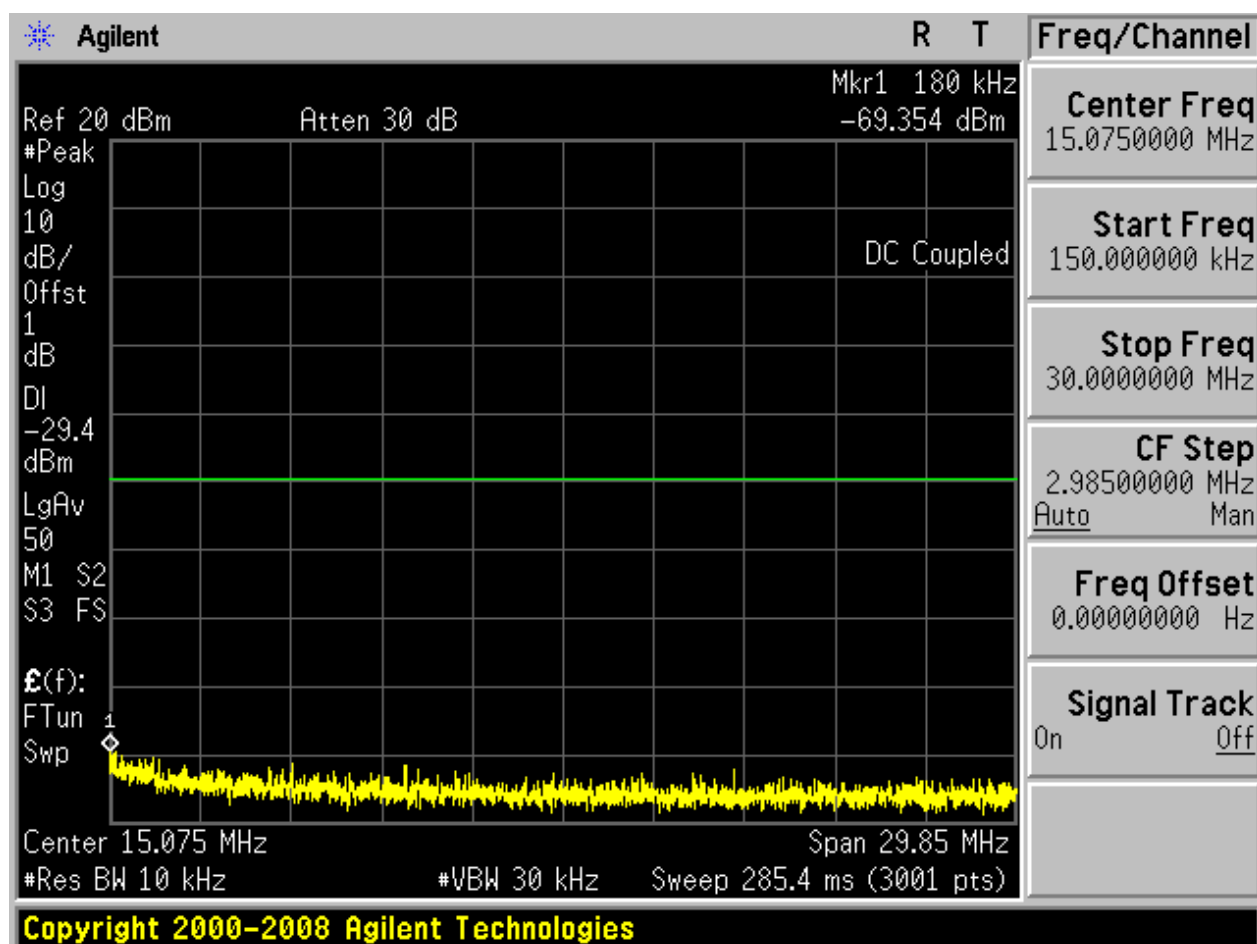
2.10 11G_M@Ant 2

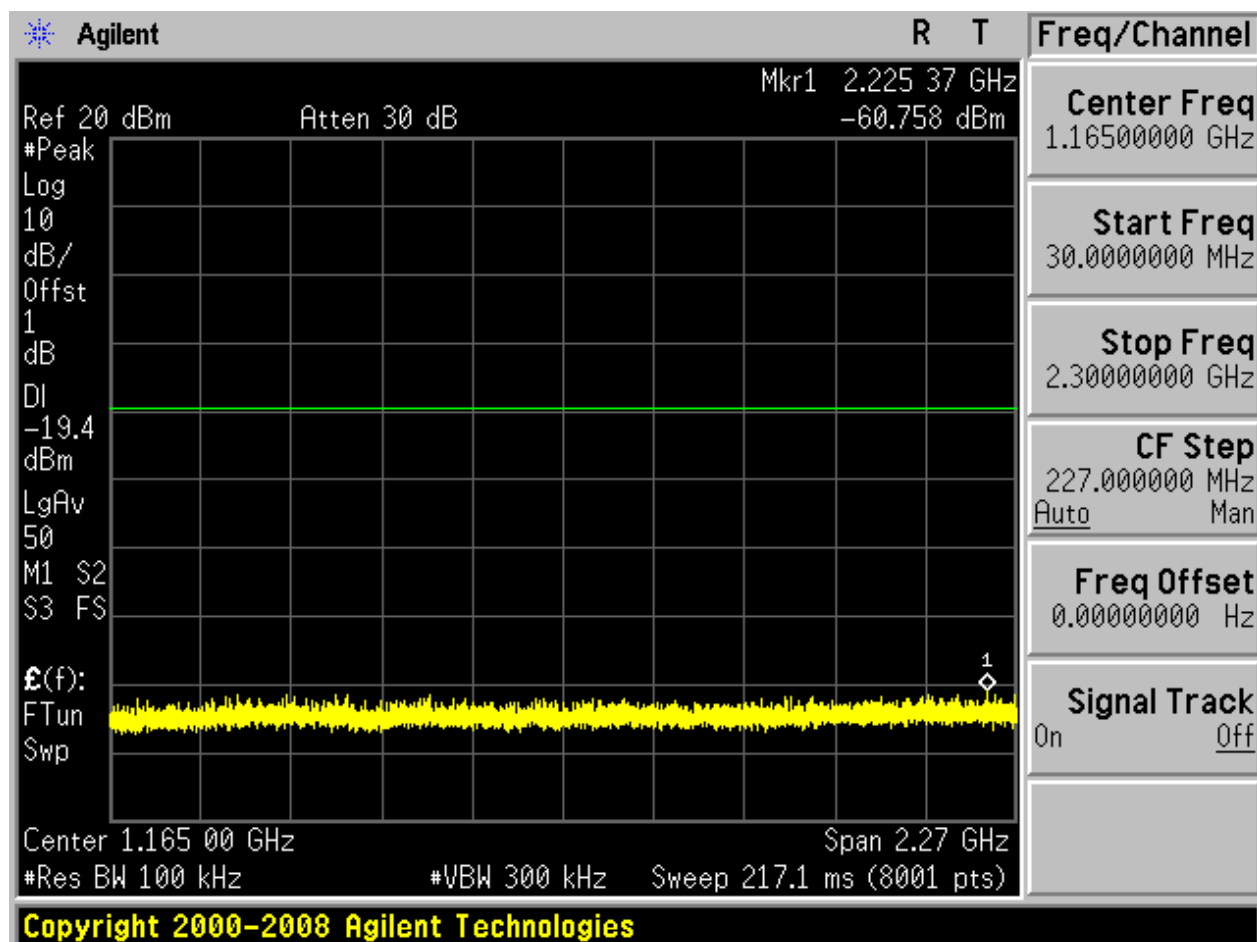
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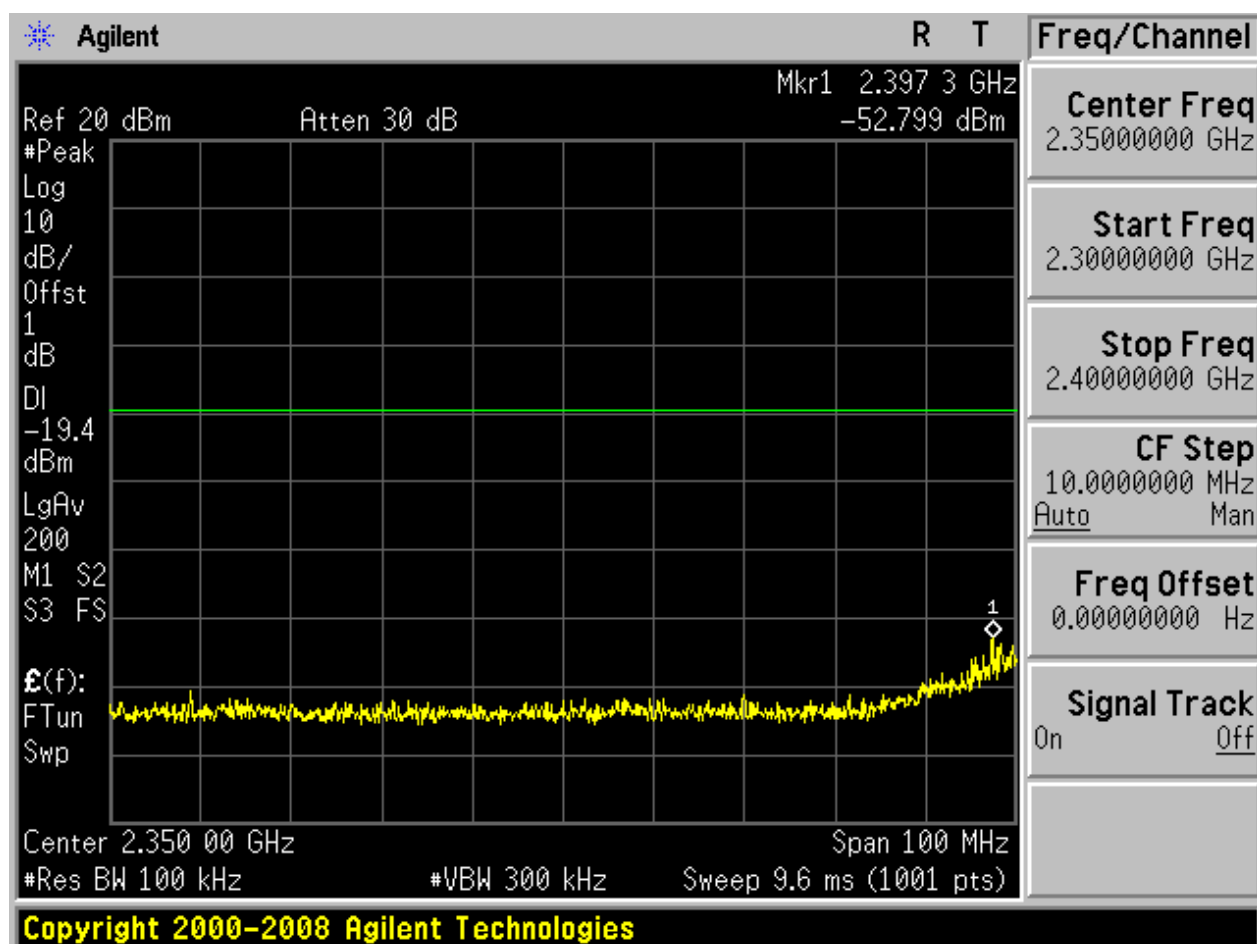


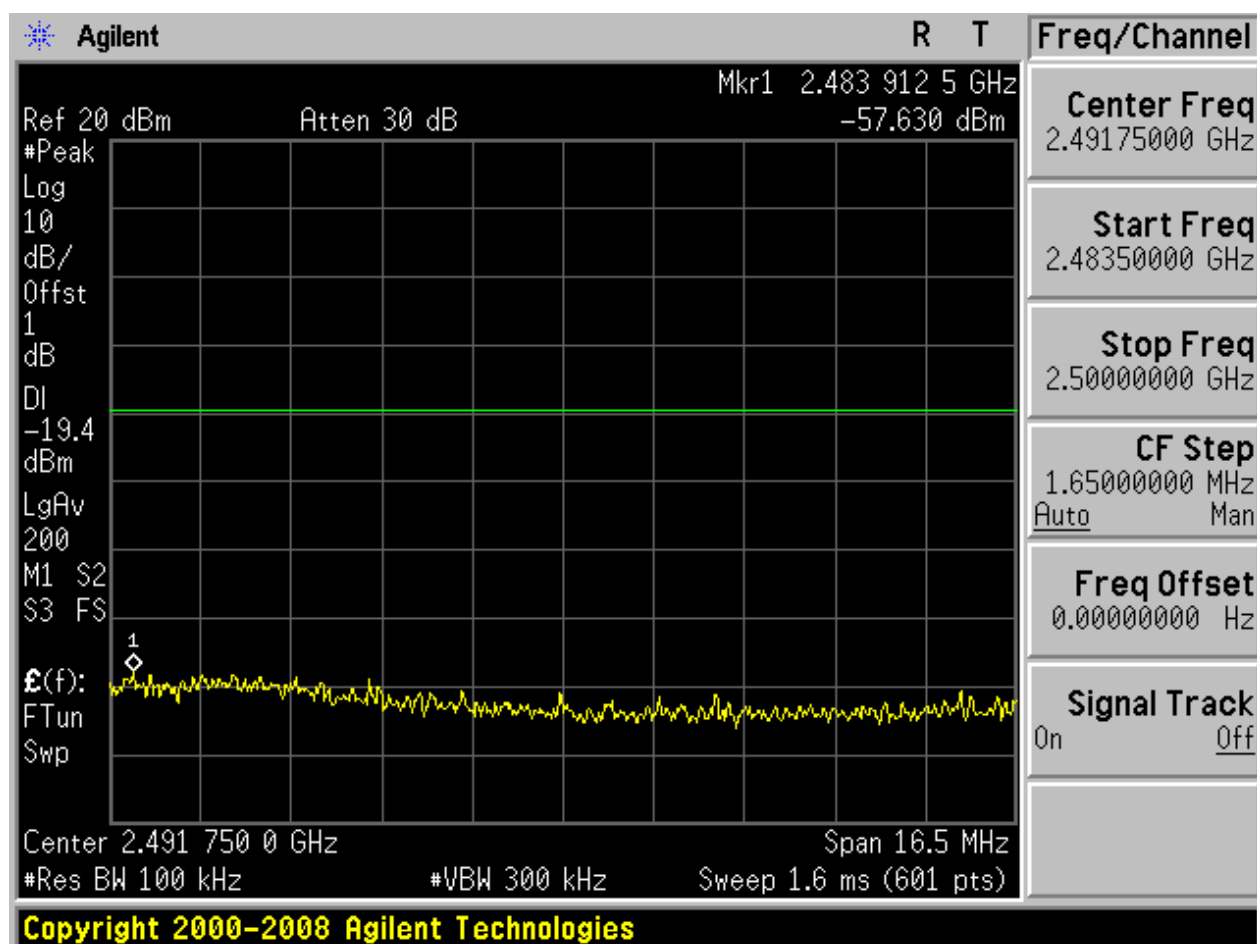
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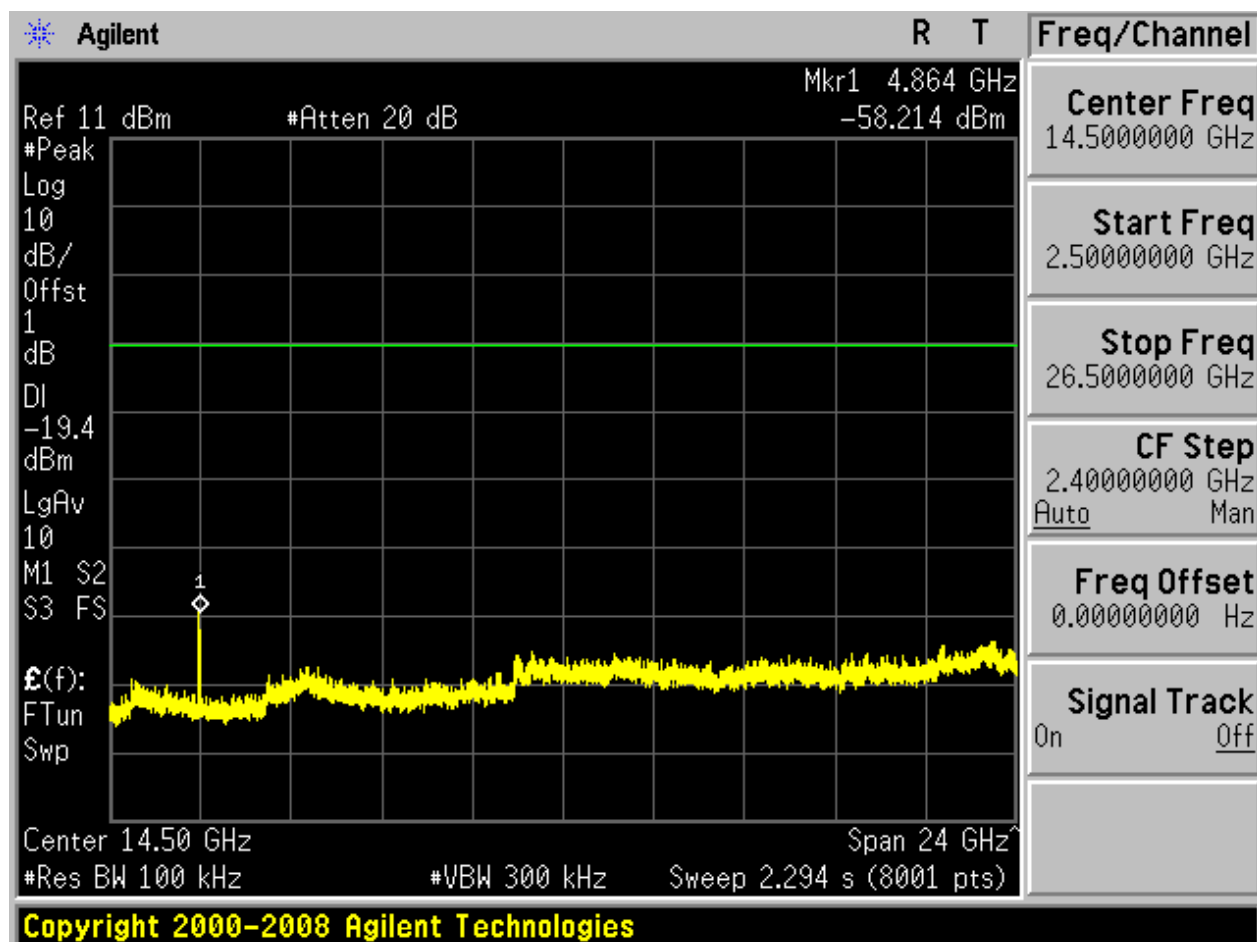








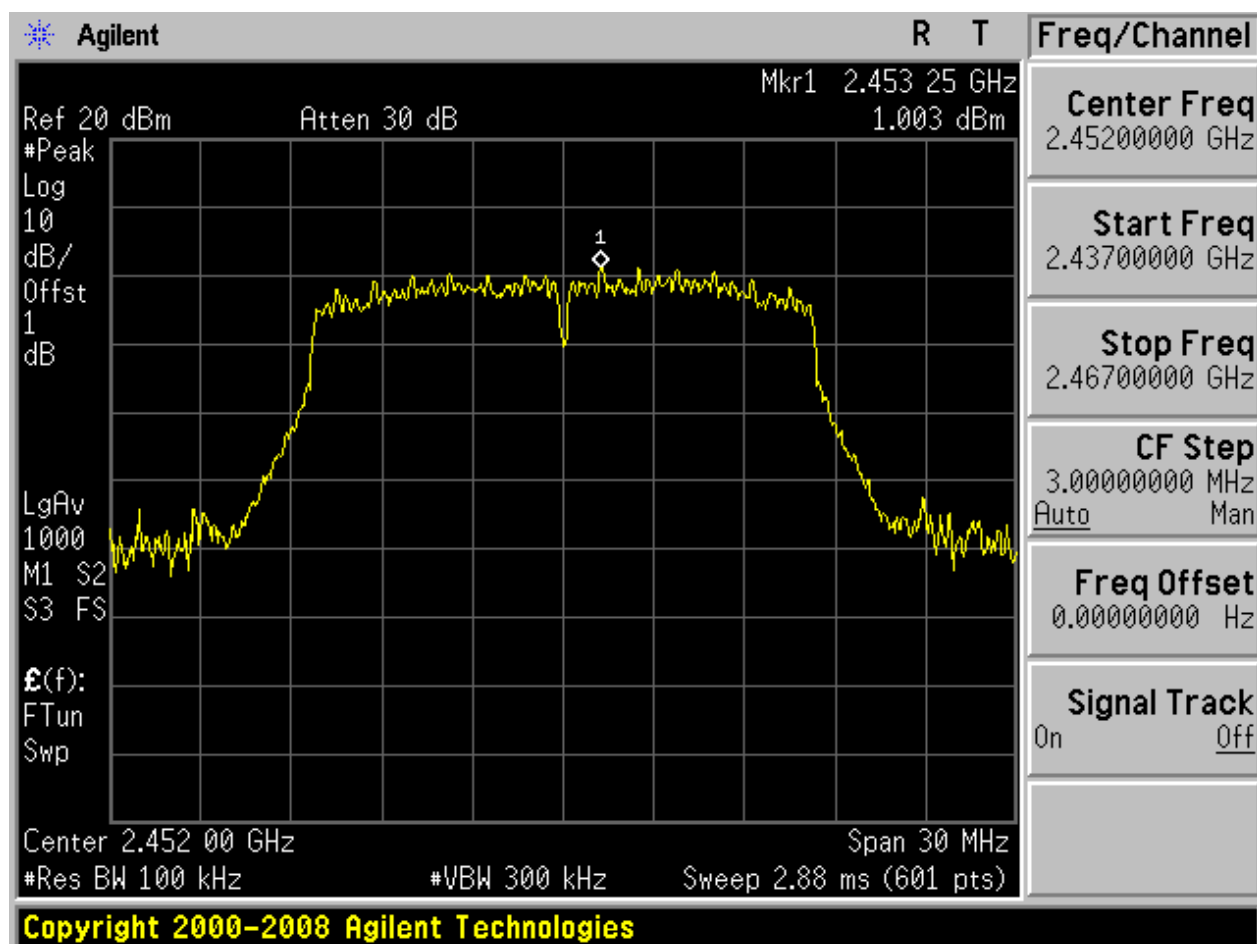




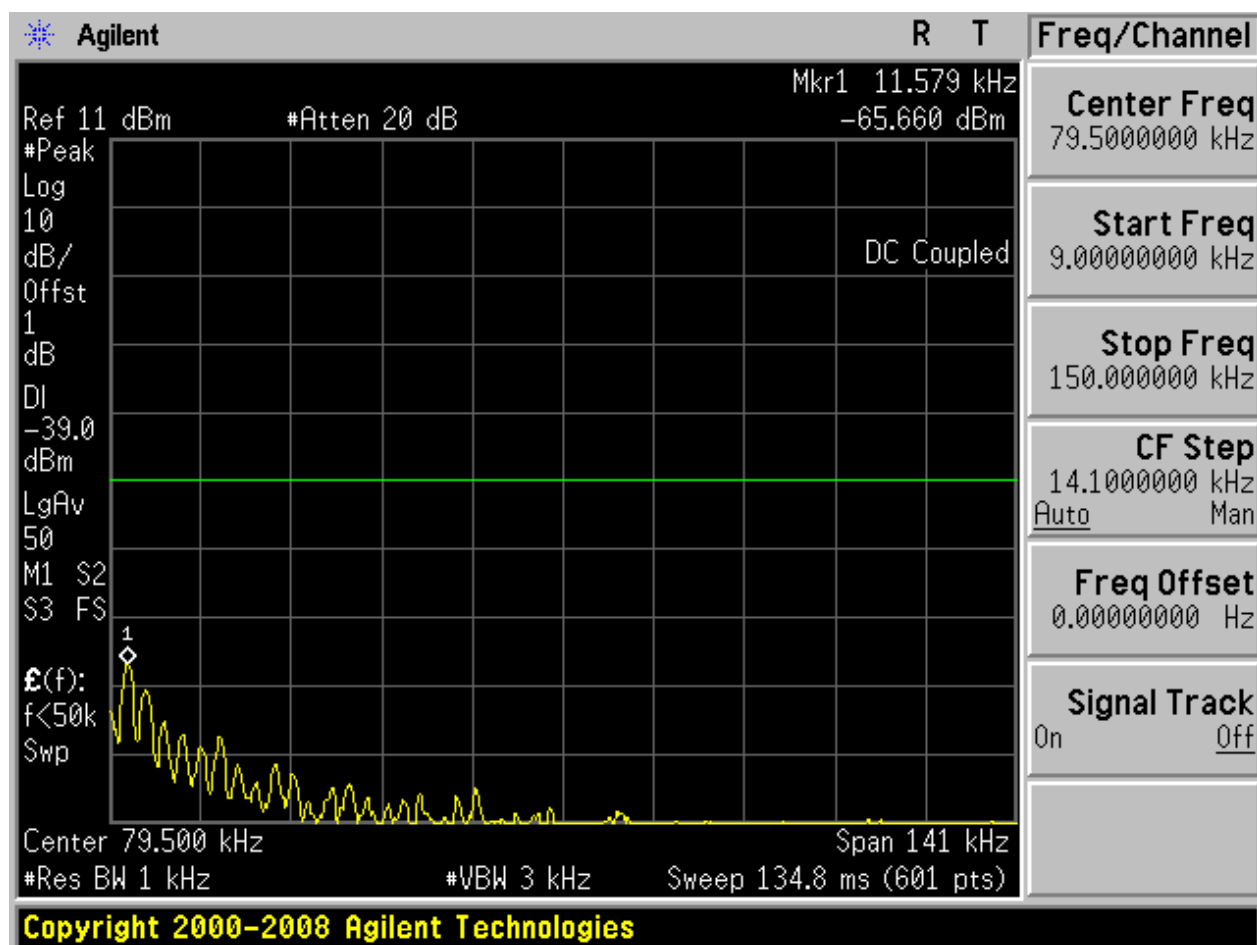


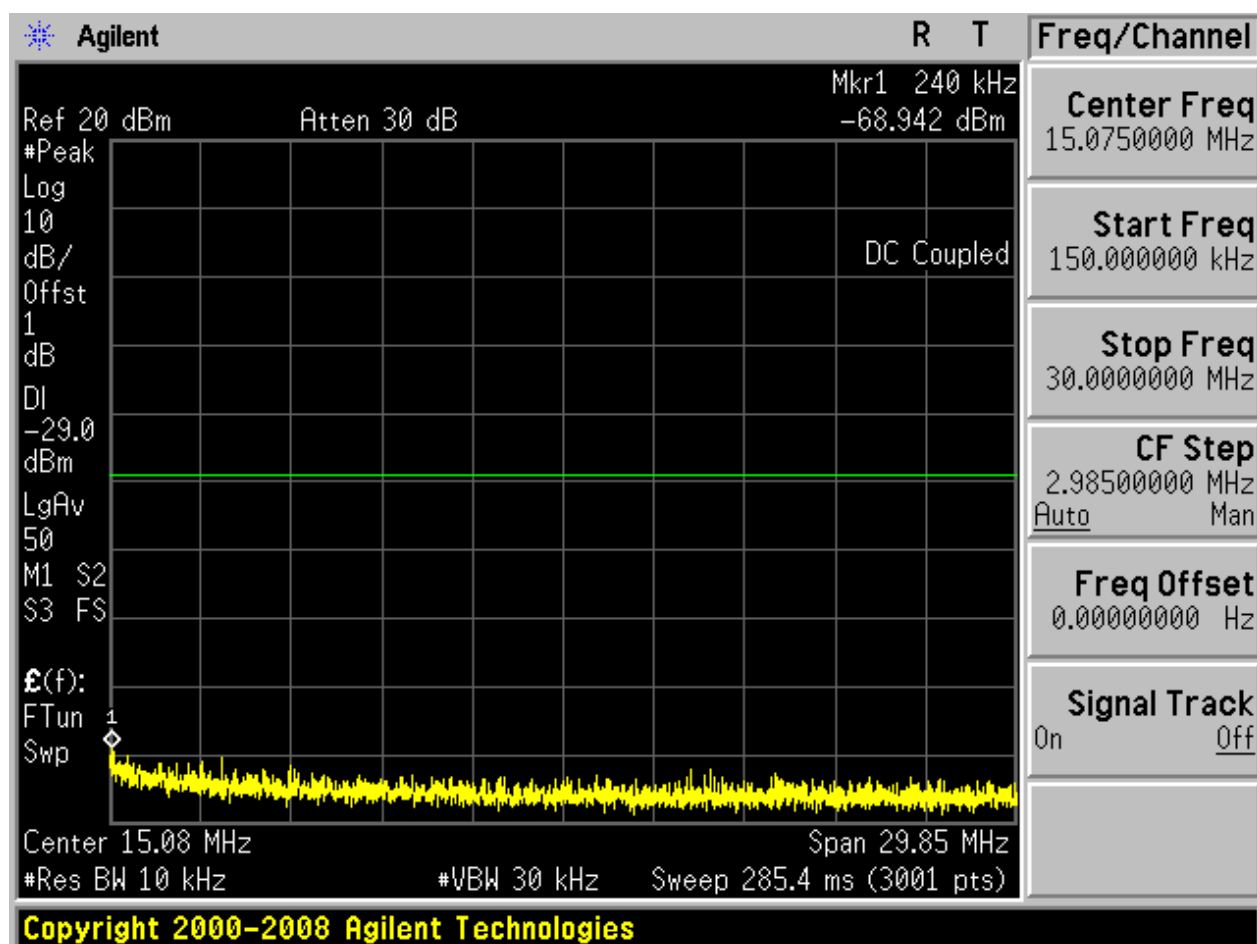
2.11 11G_H@Ant 1

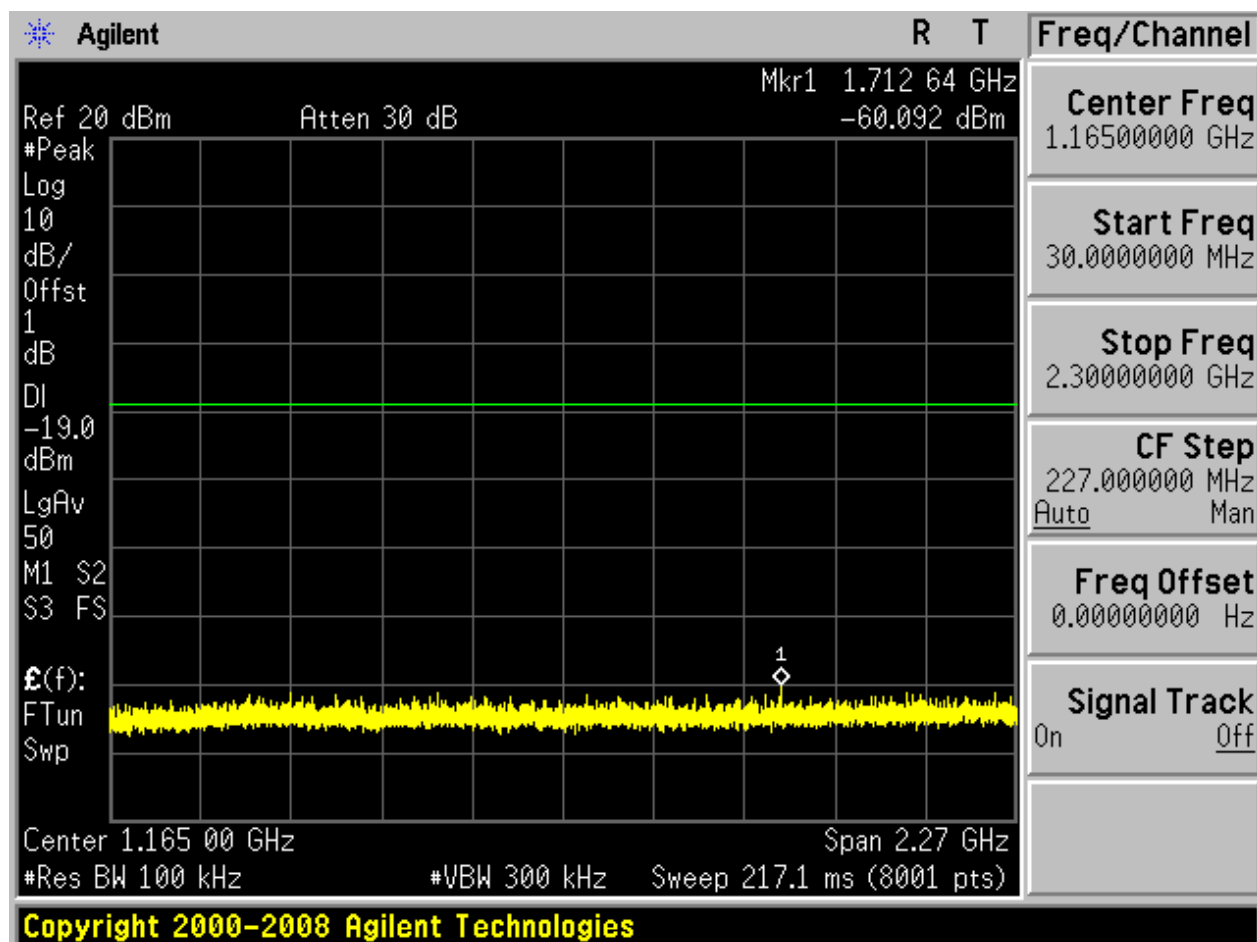
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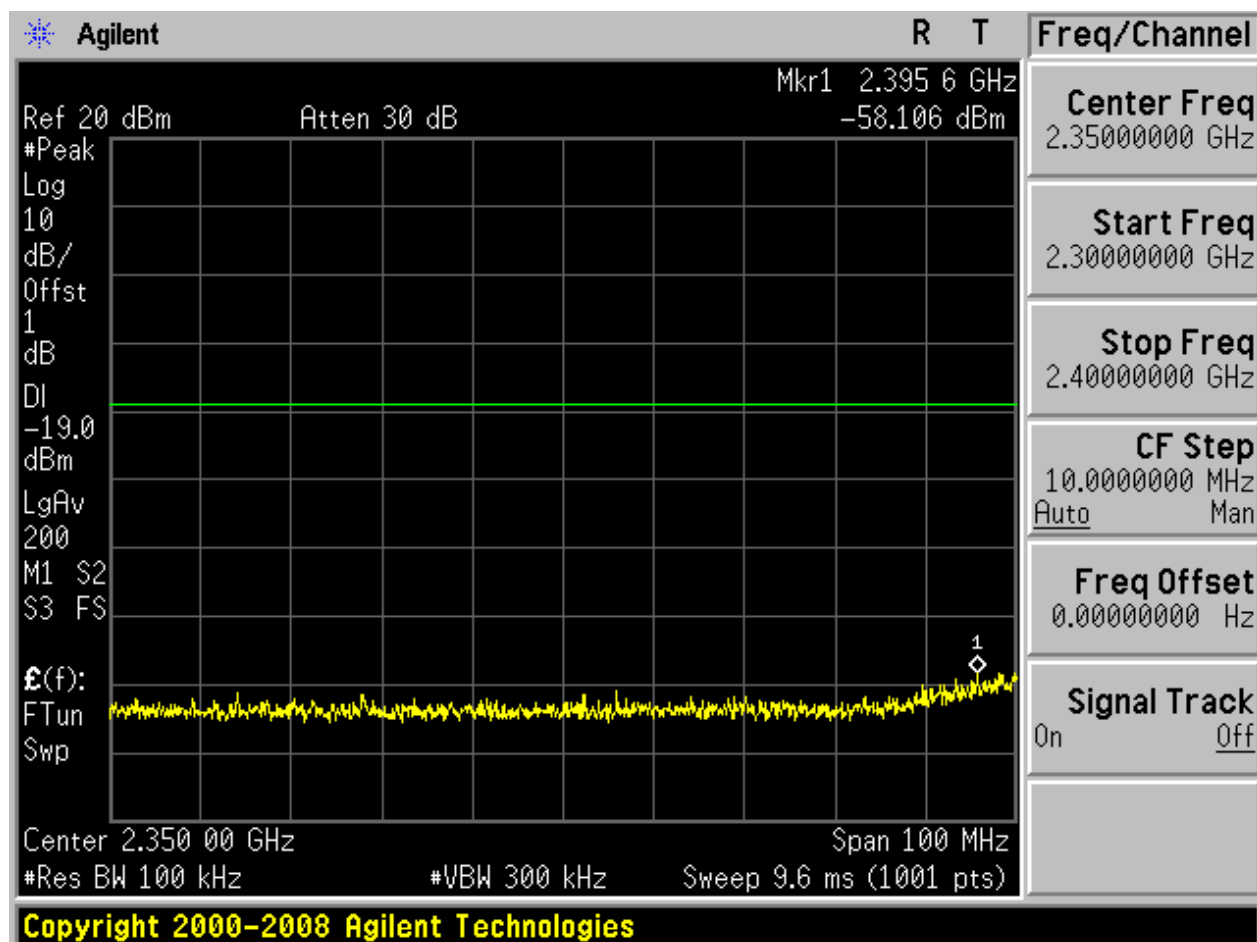


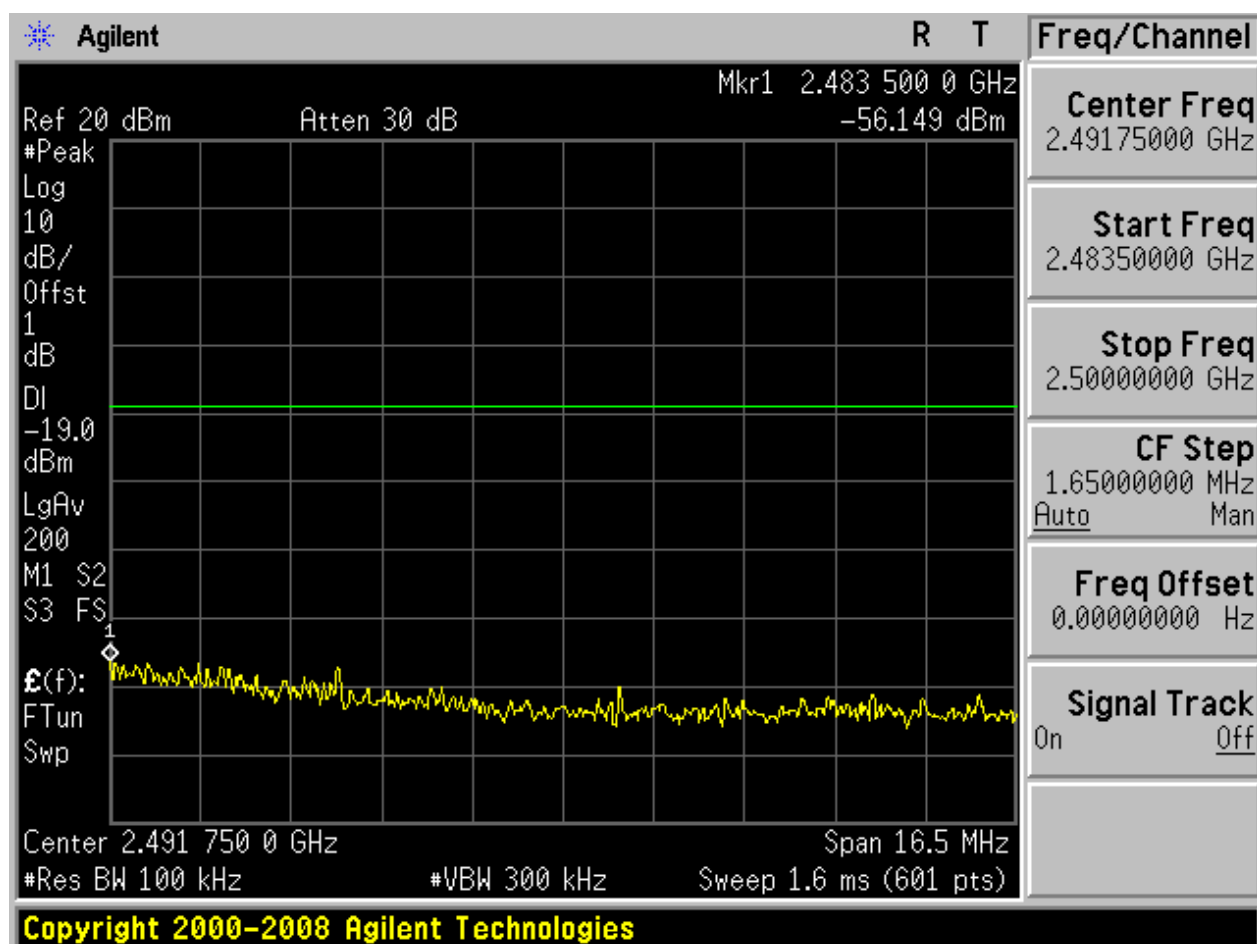
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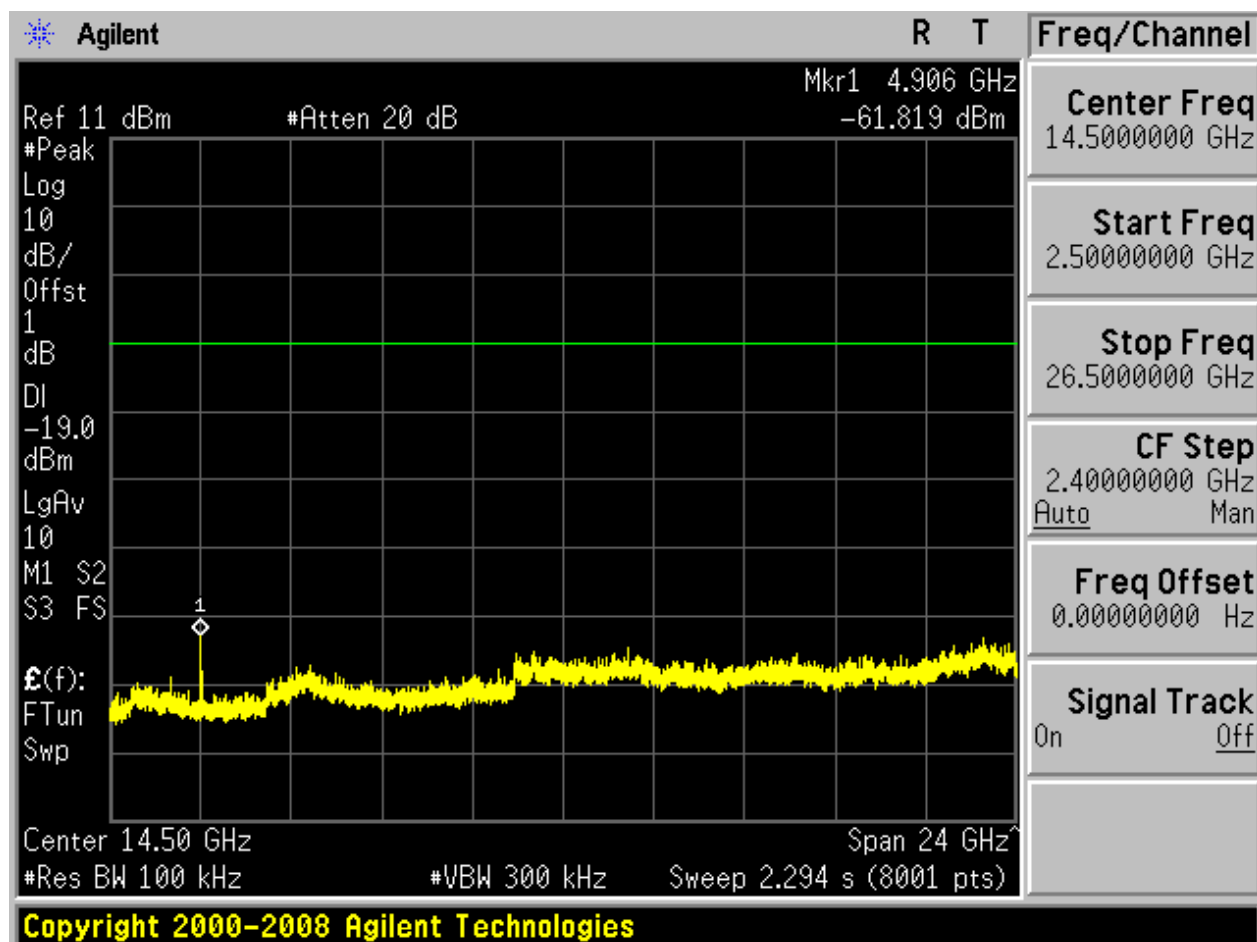






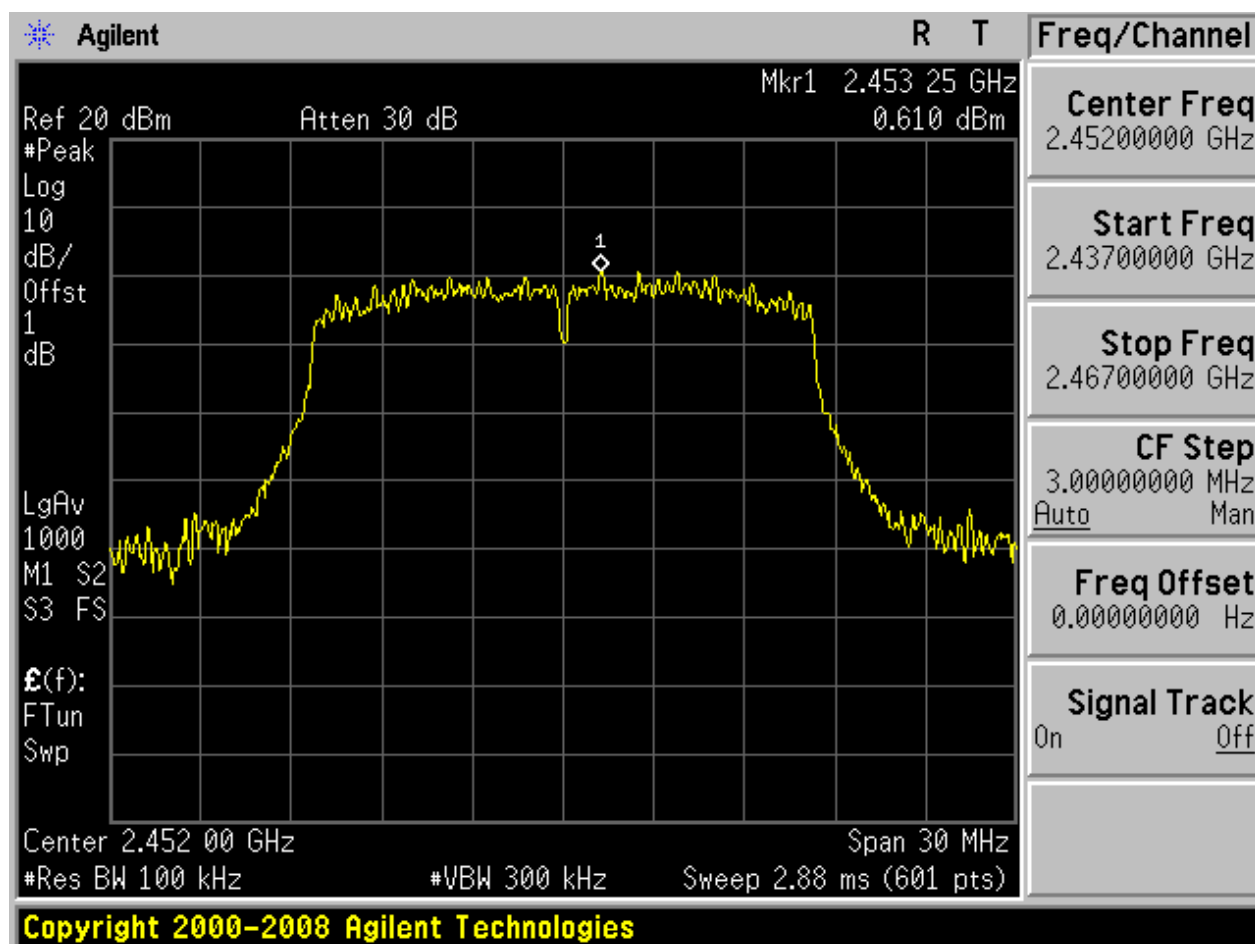




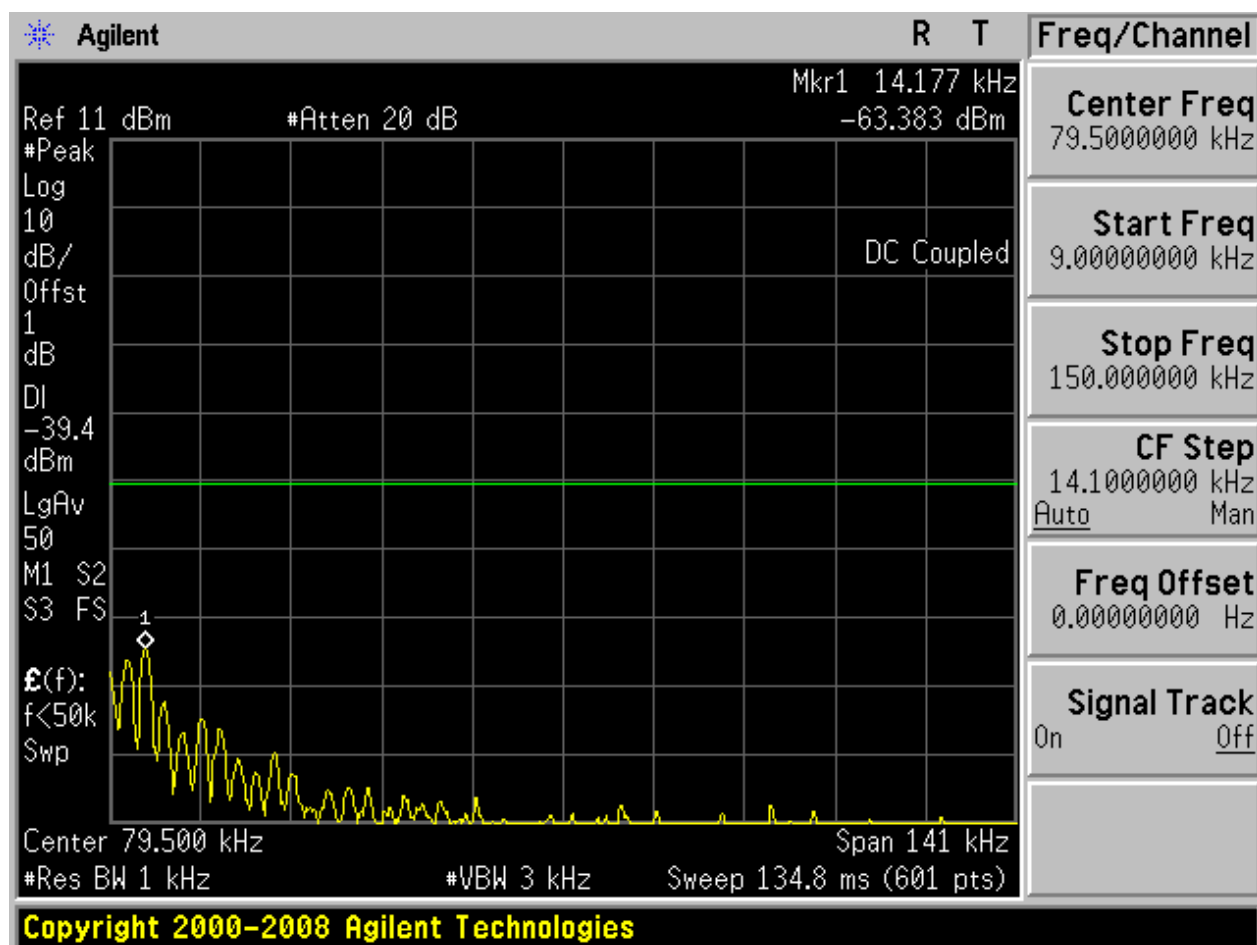


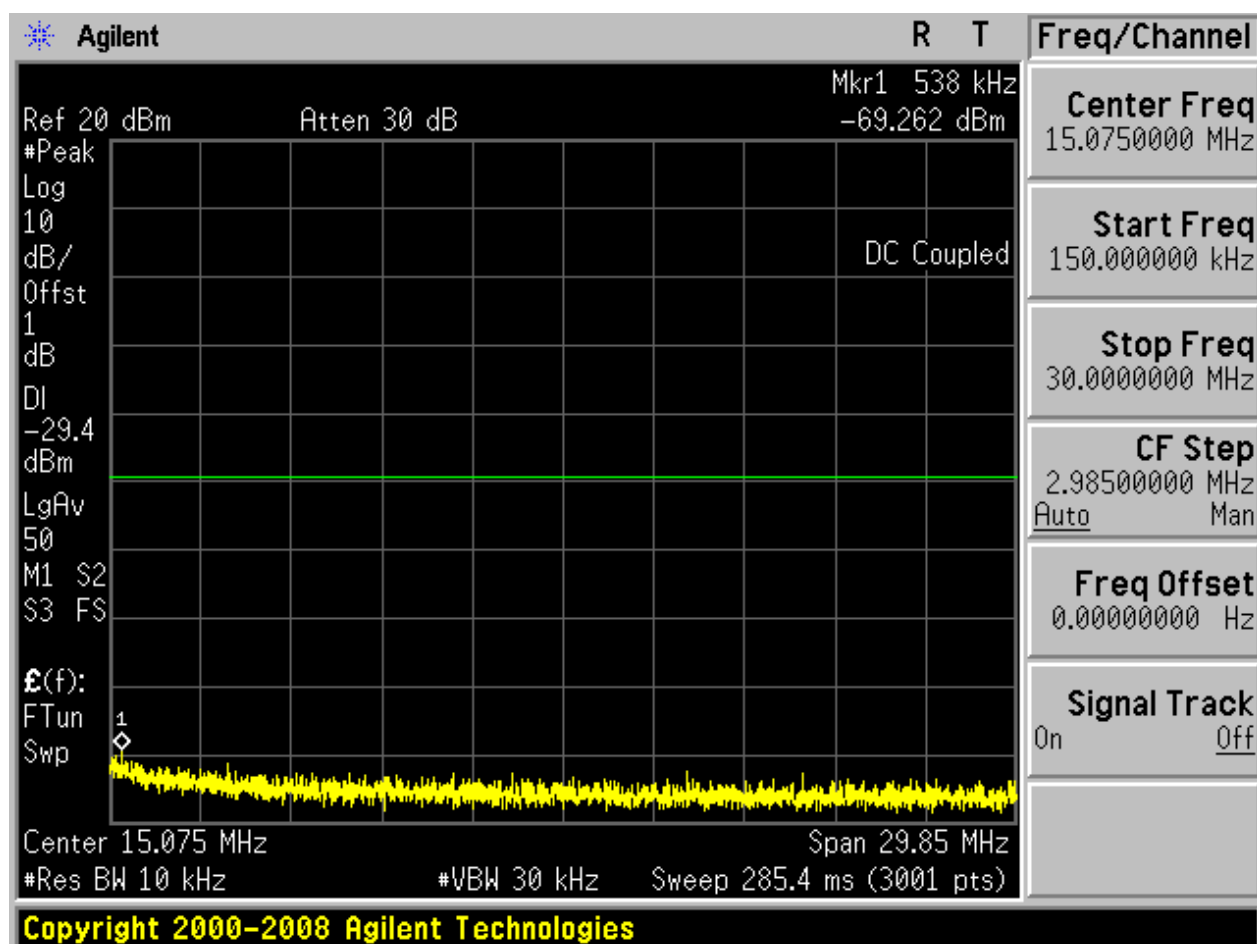
2.12 11G_H@Ant 2

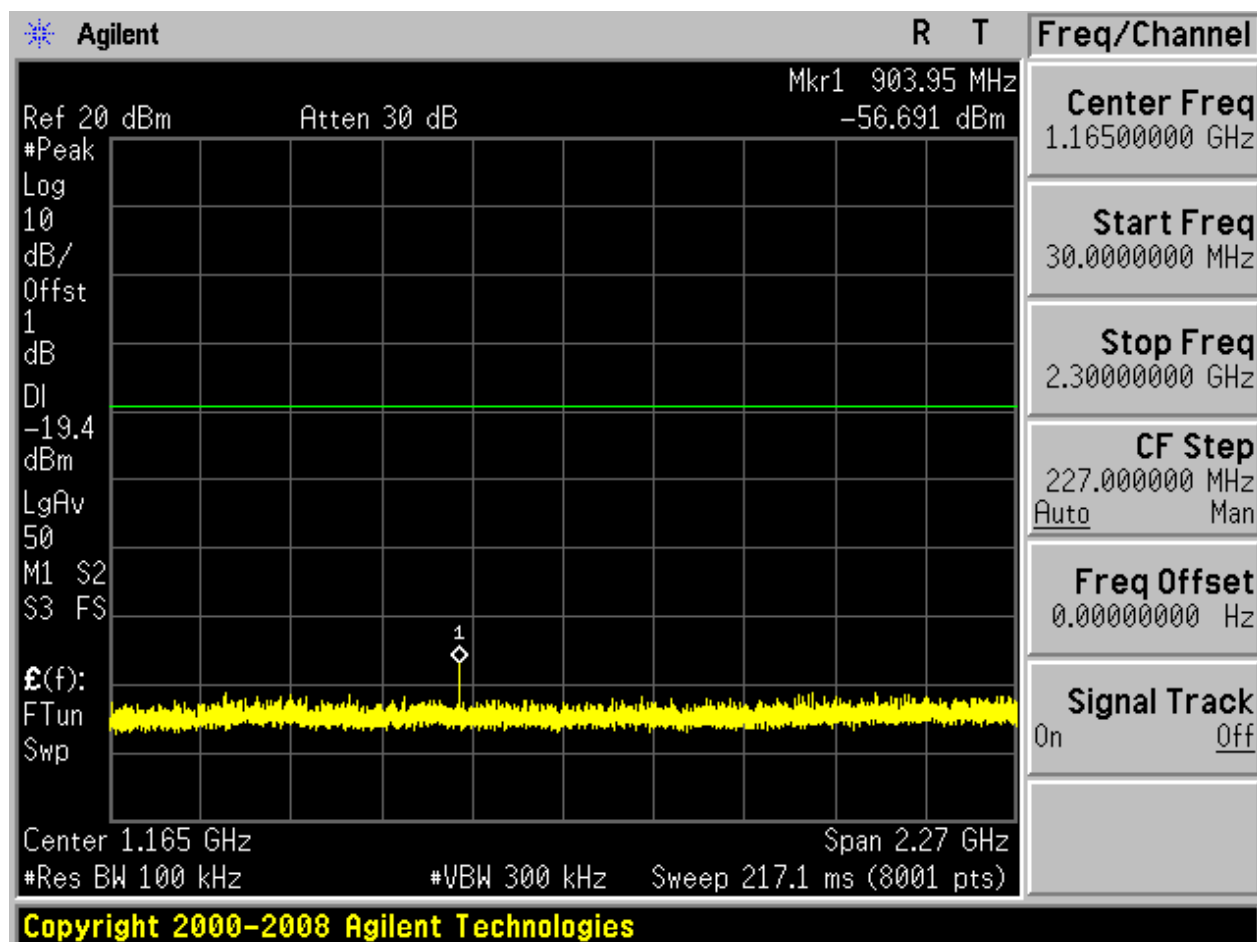
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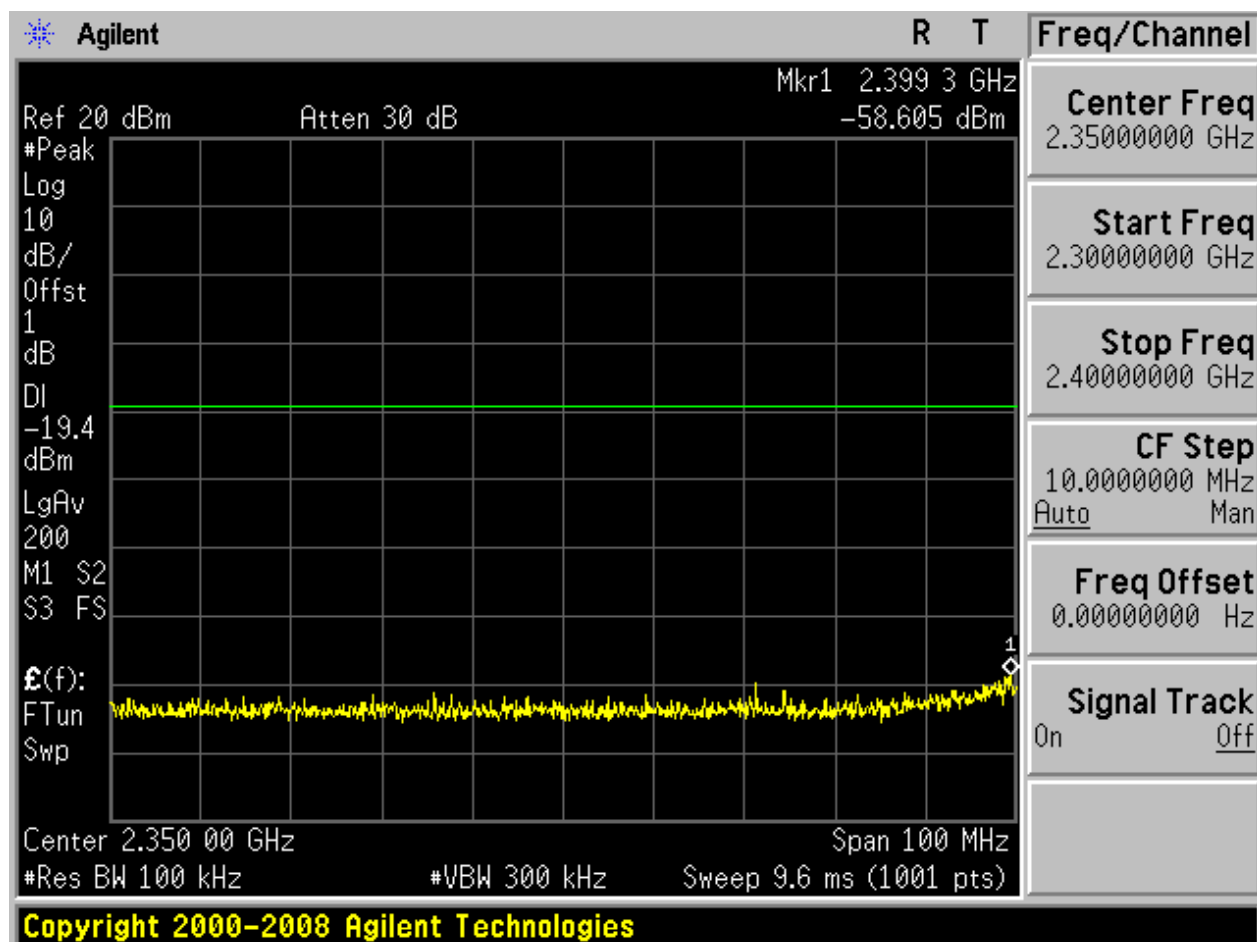


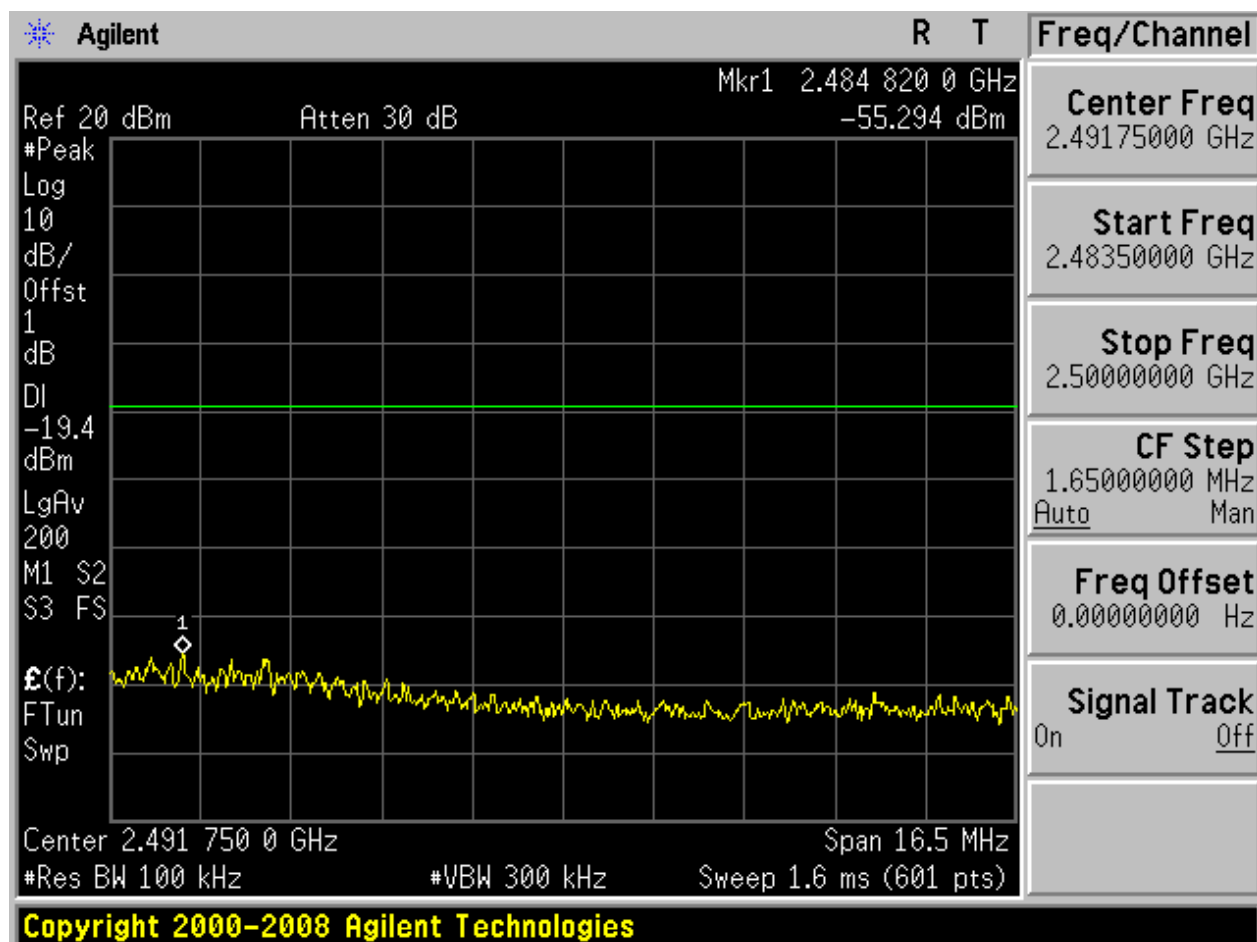
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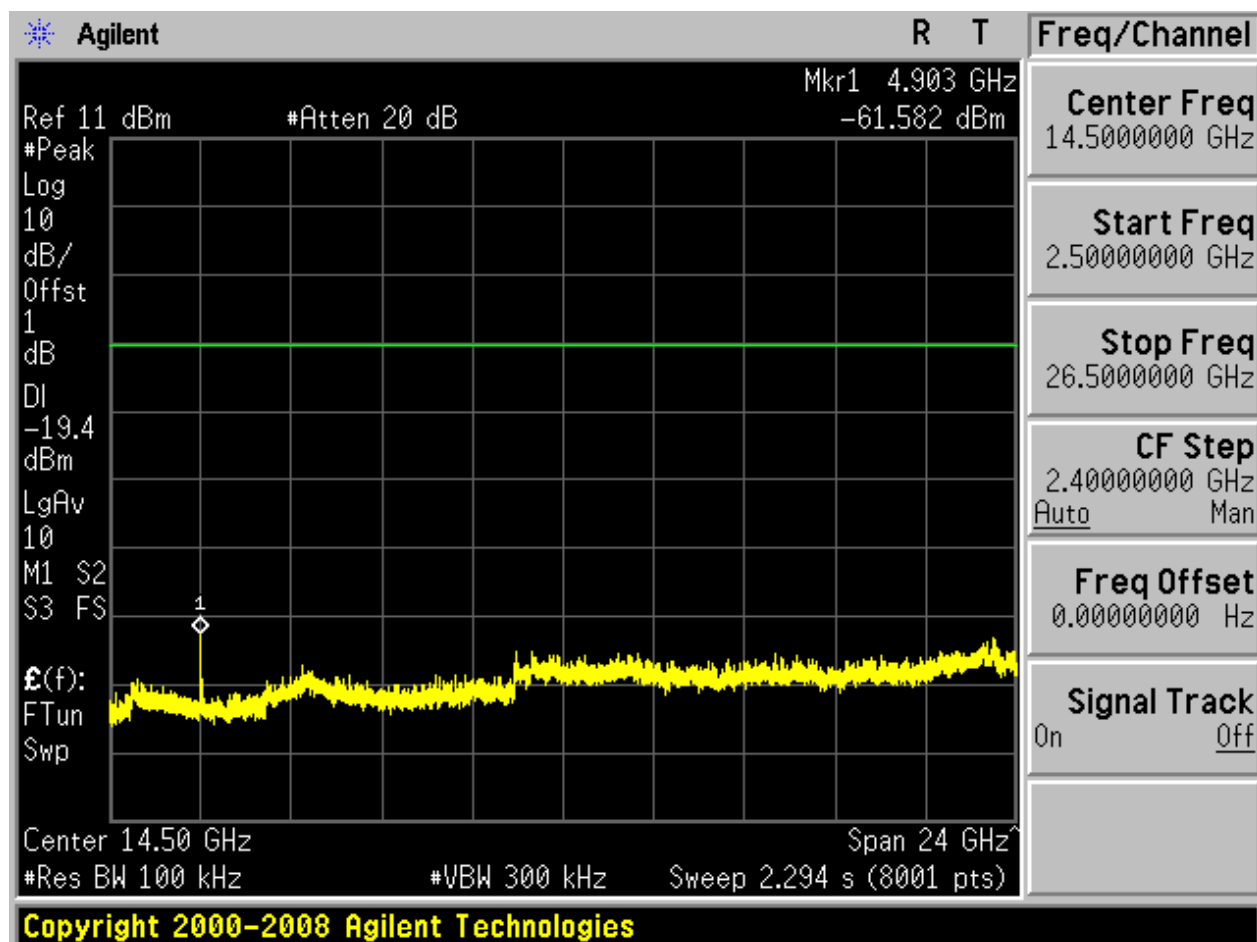






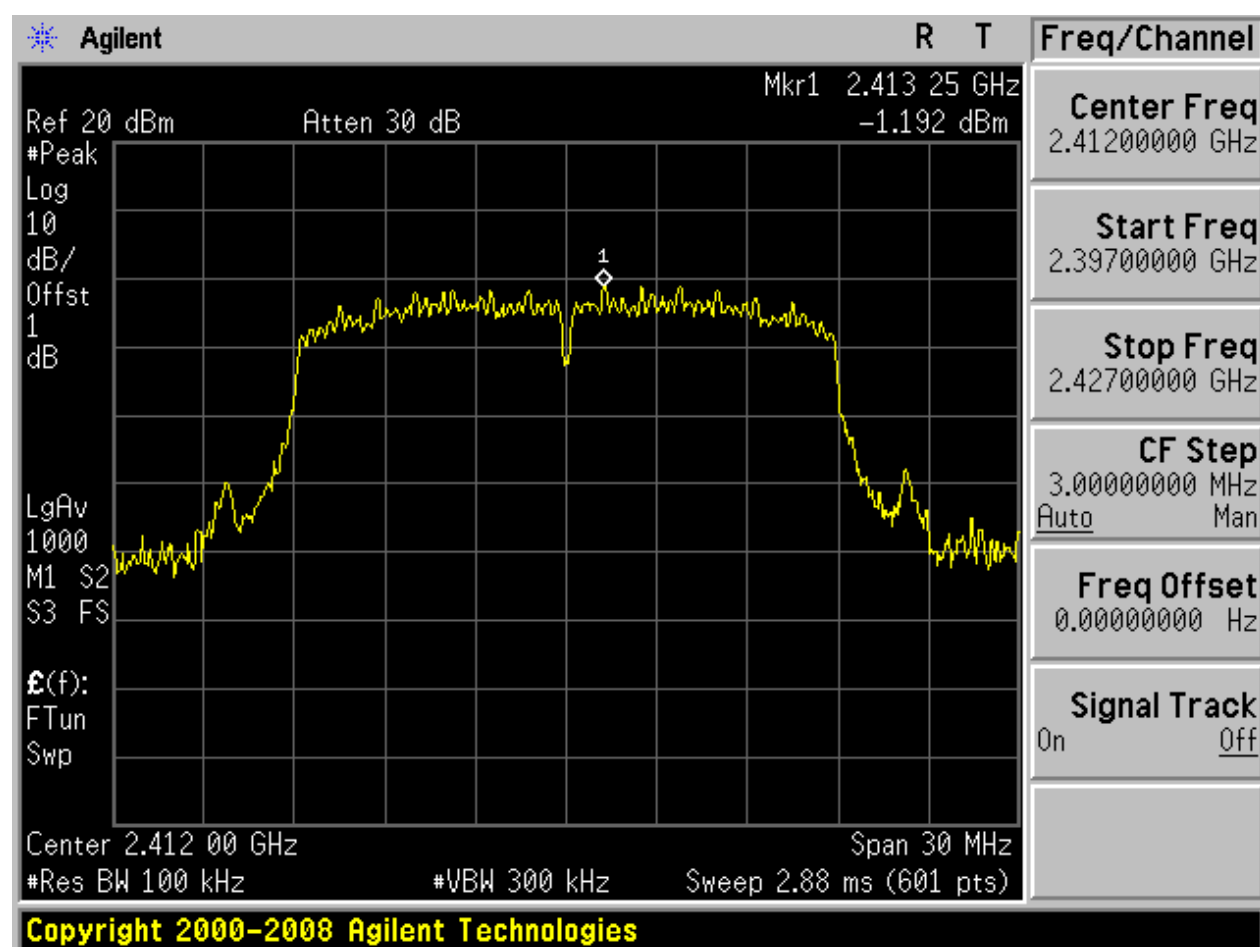






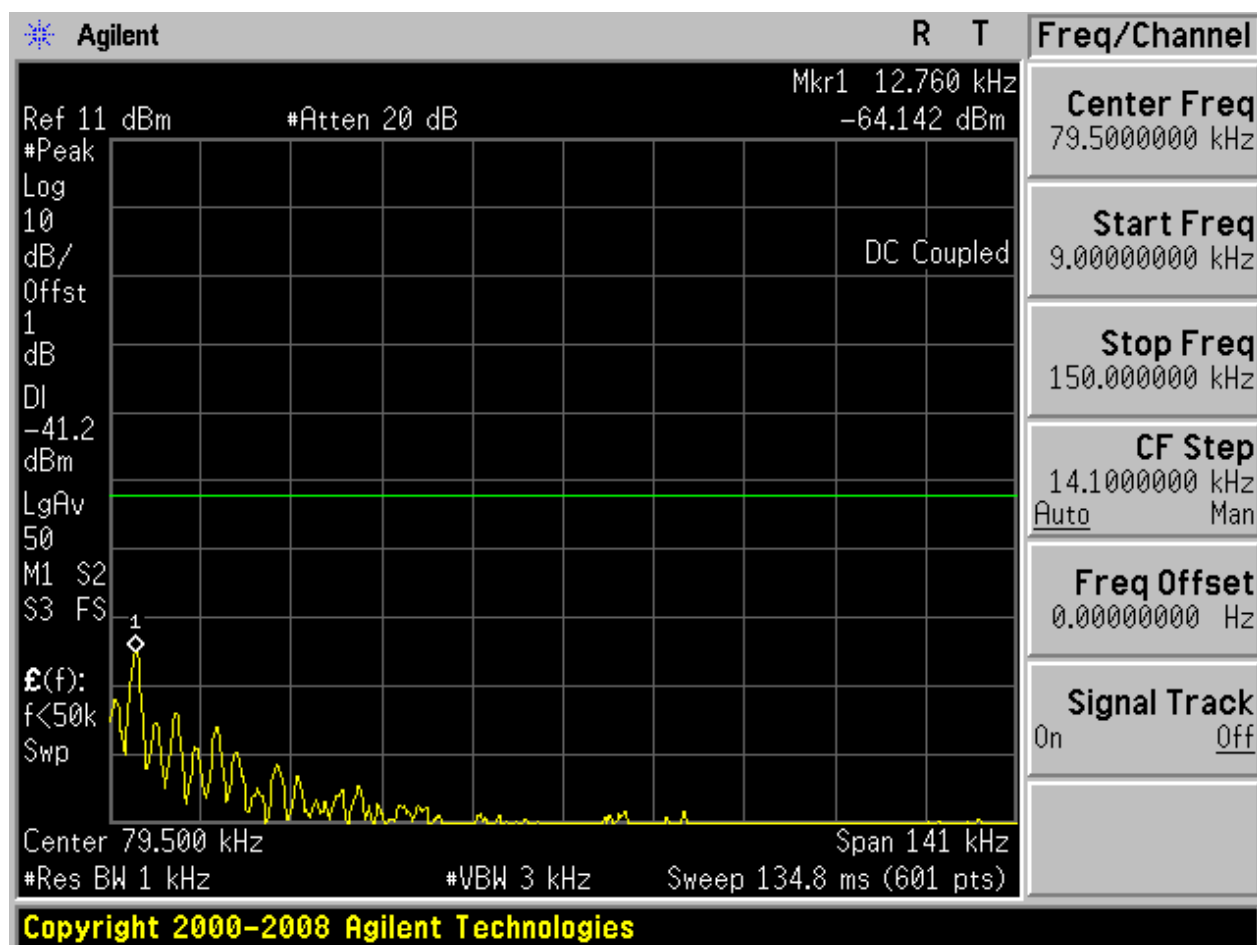
2.13 11N20_L@Ant 1

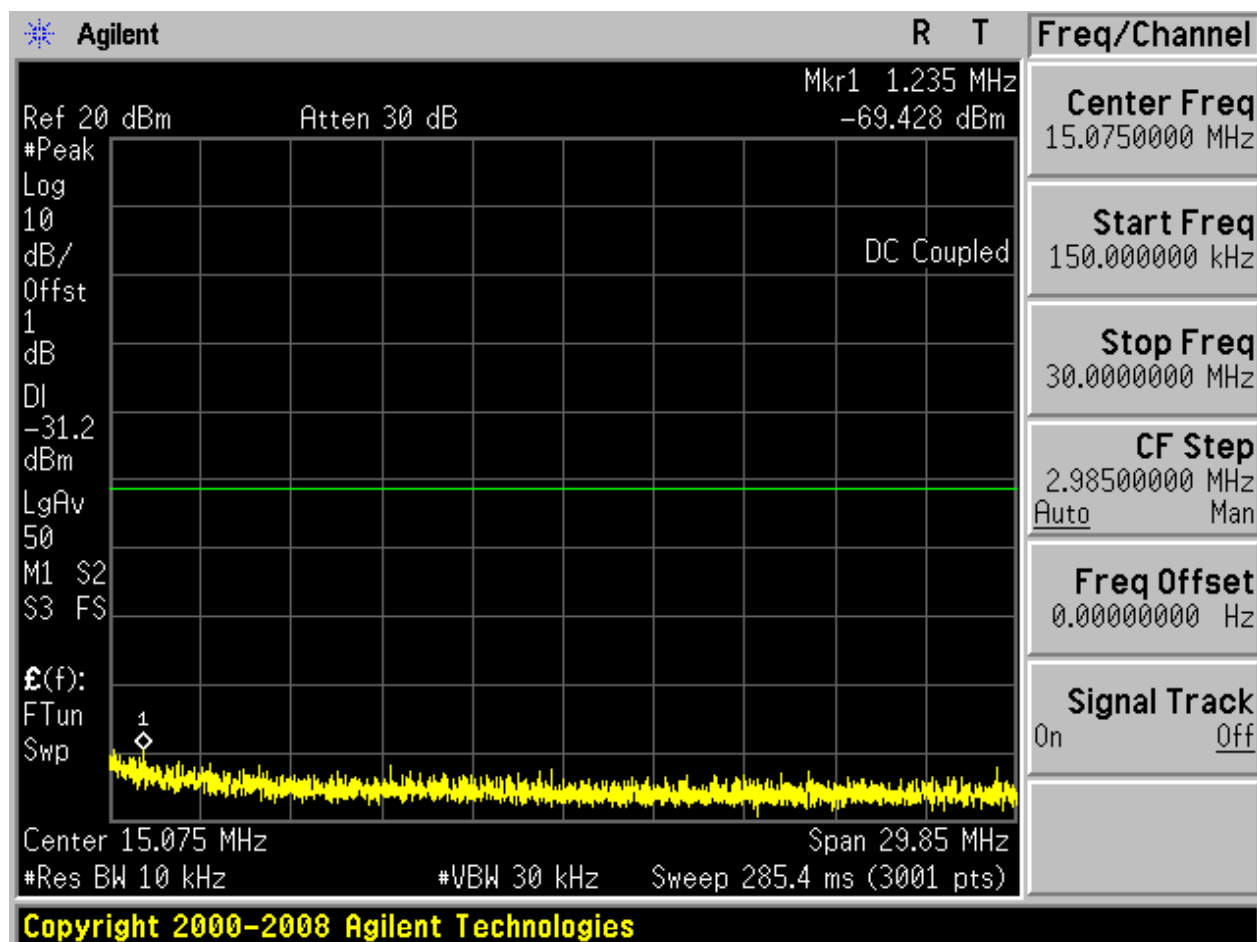
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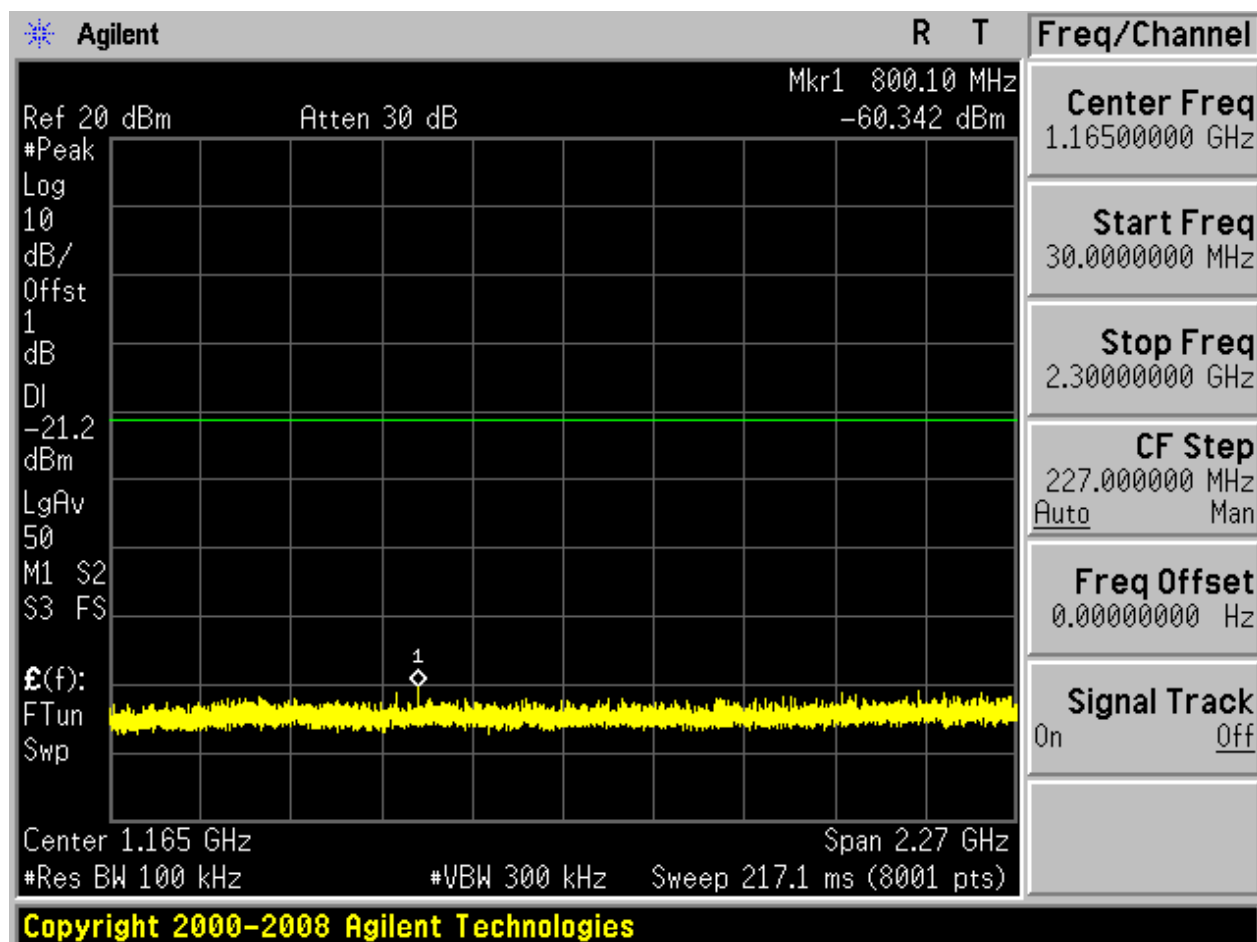


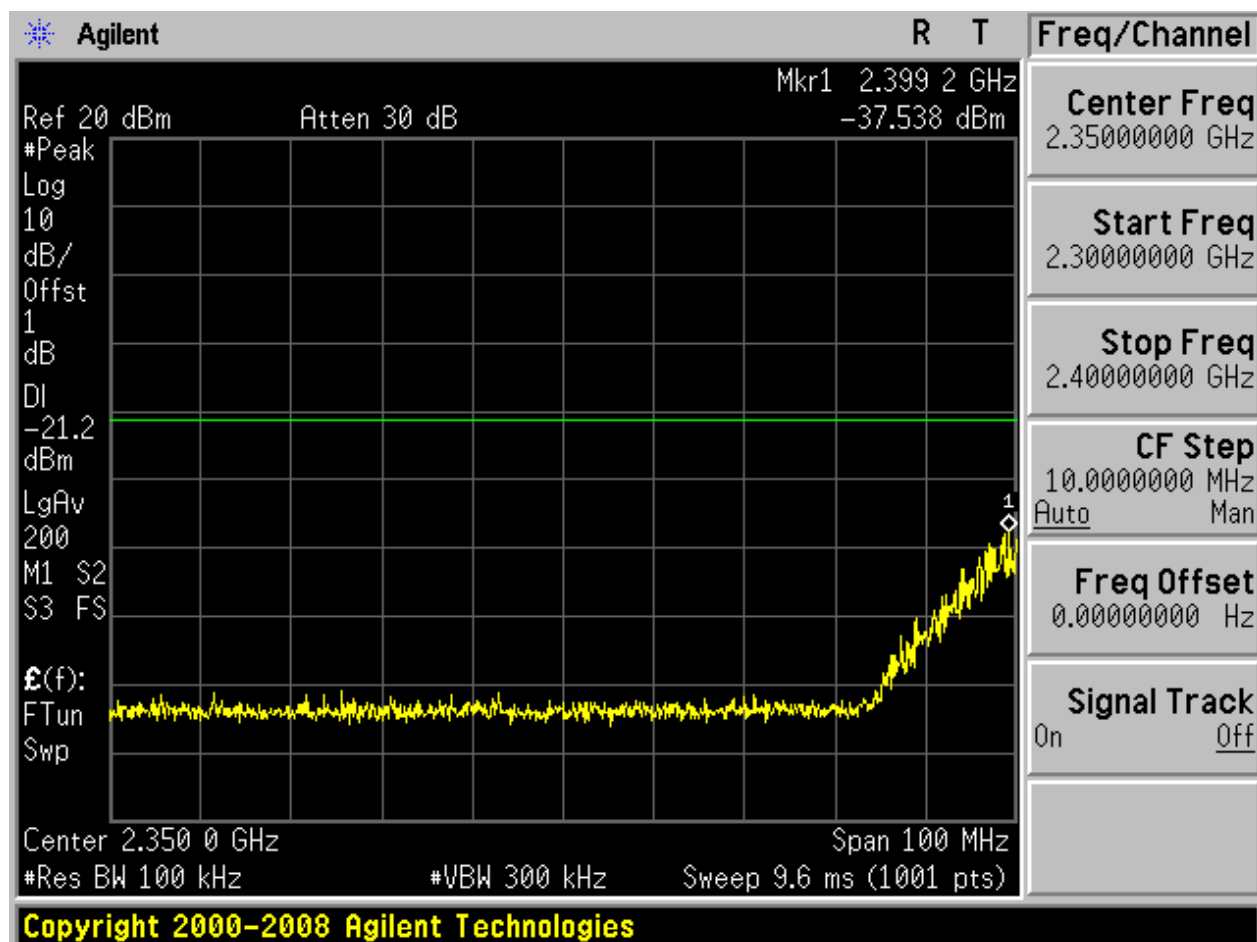


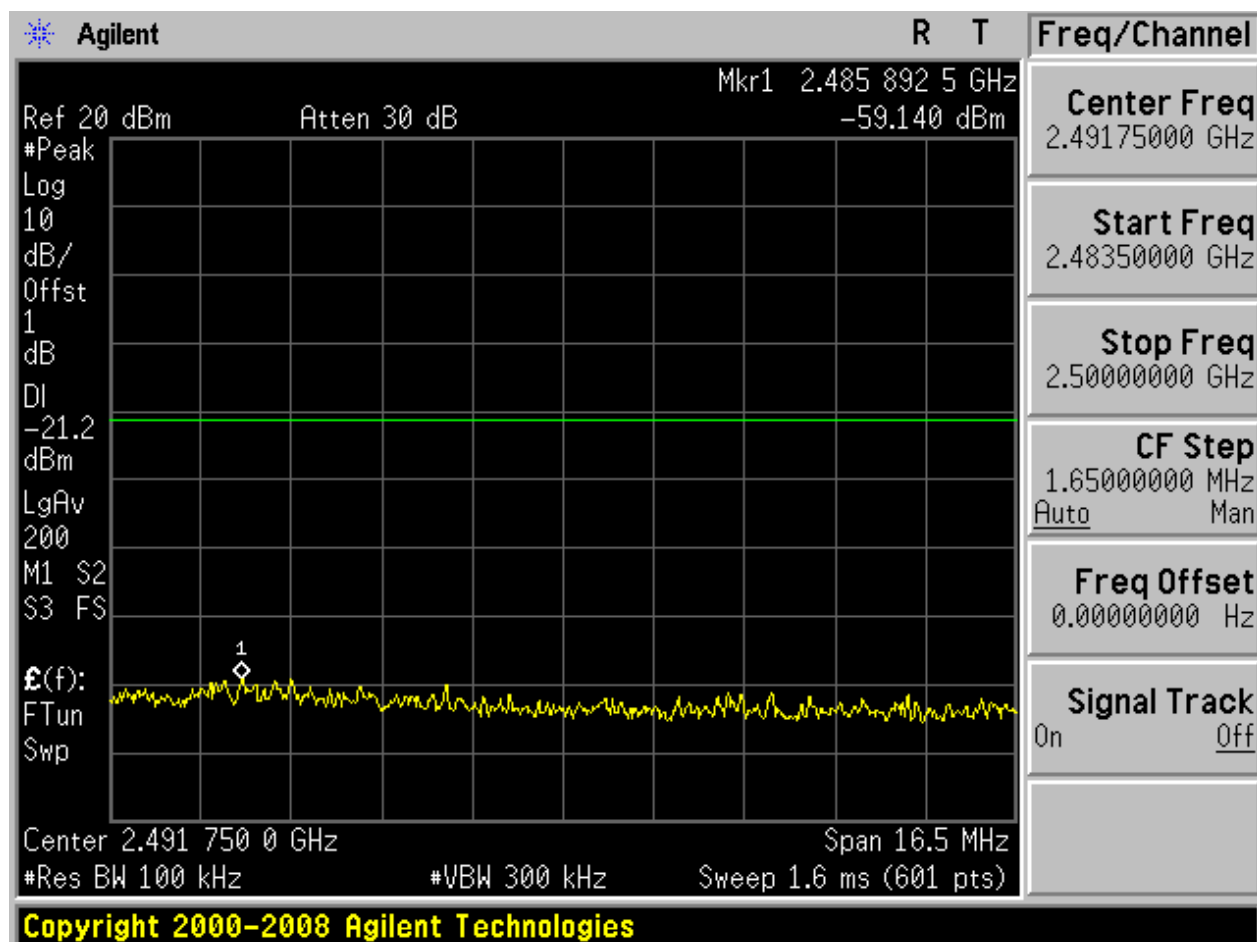
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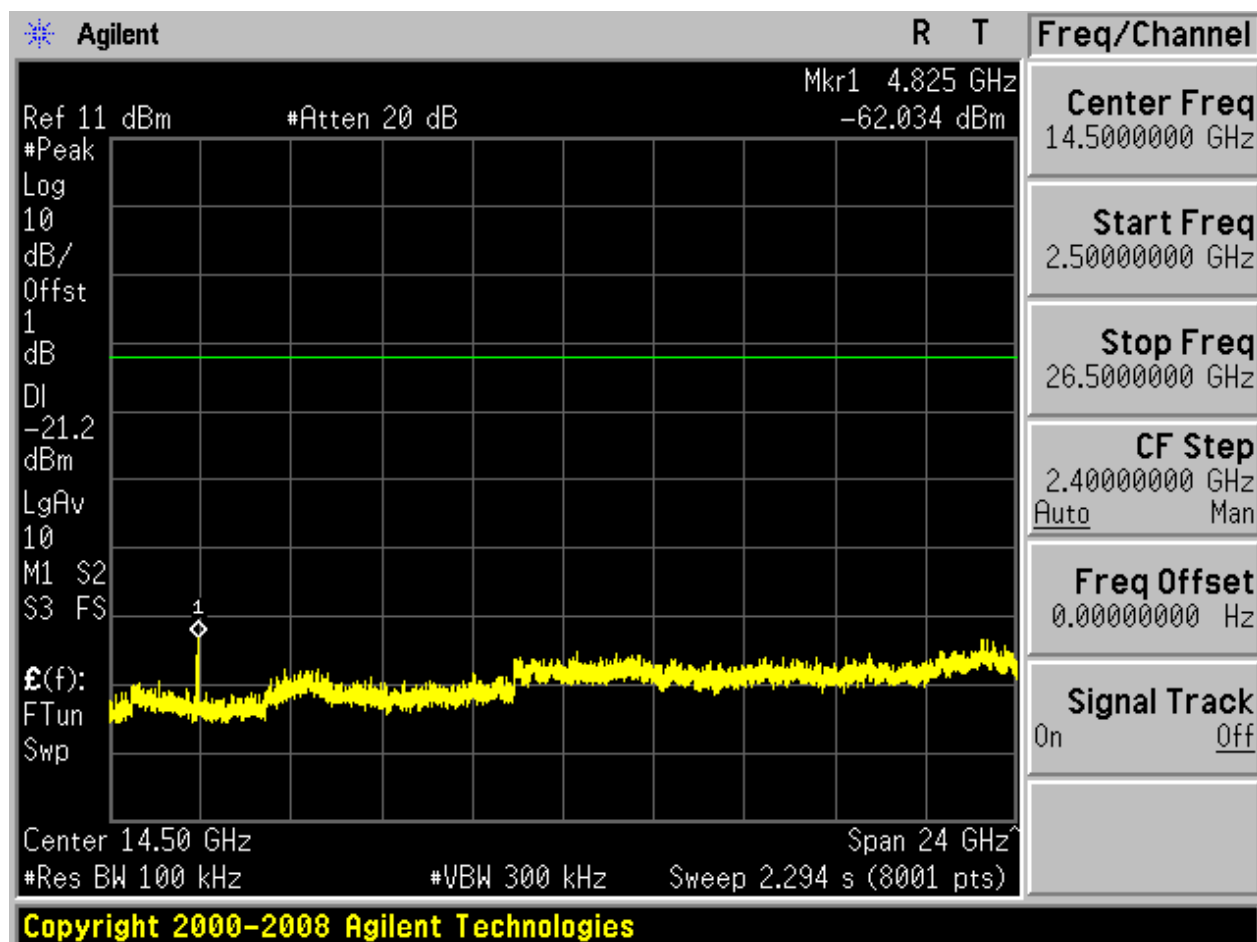






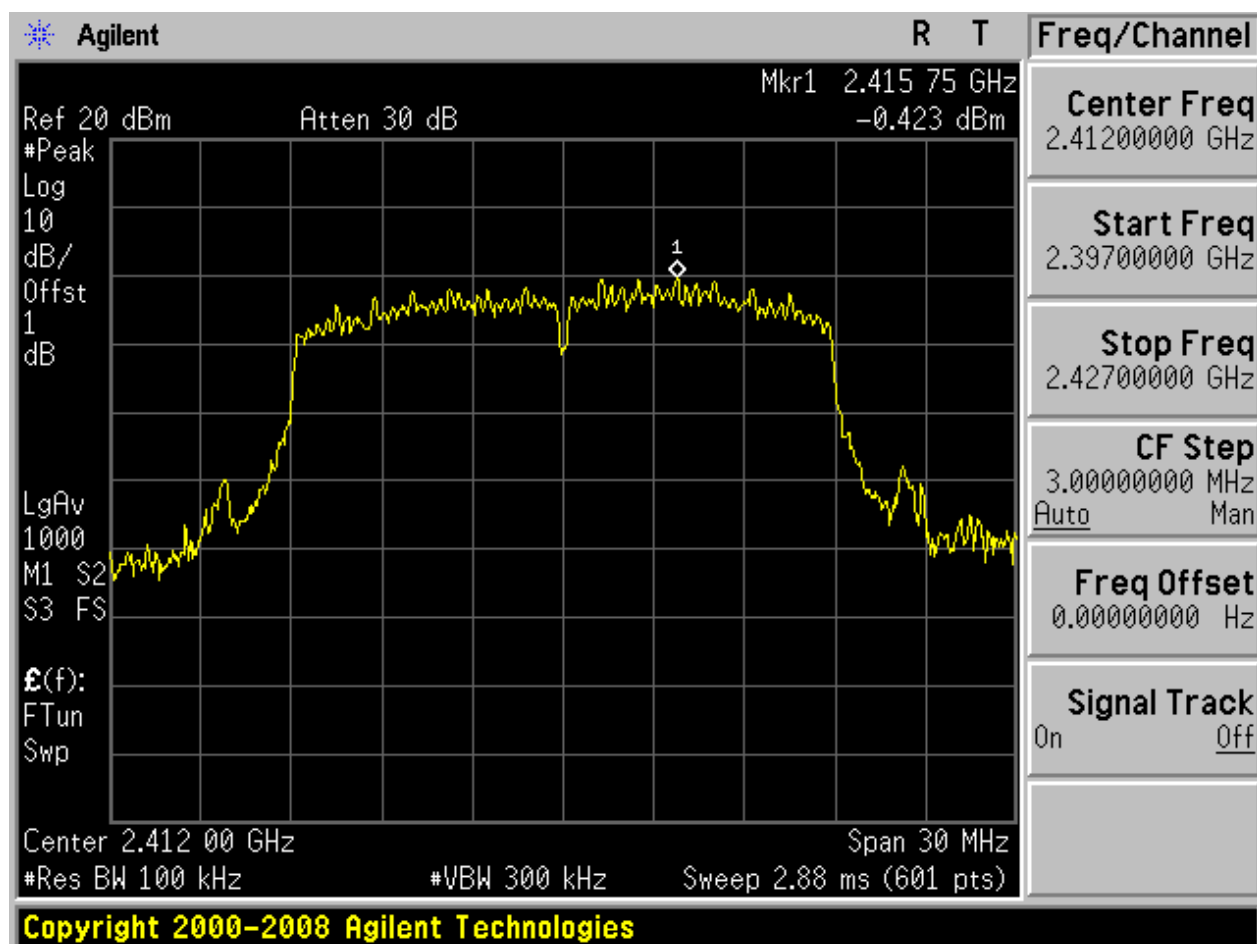






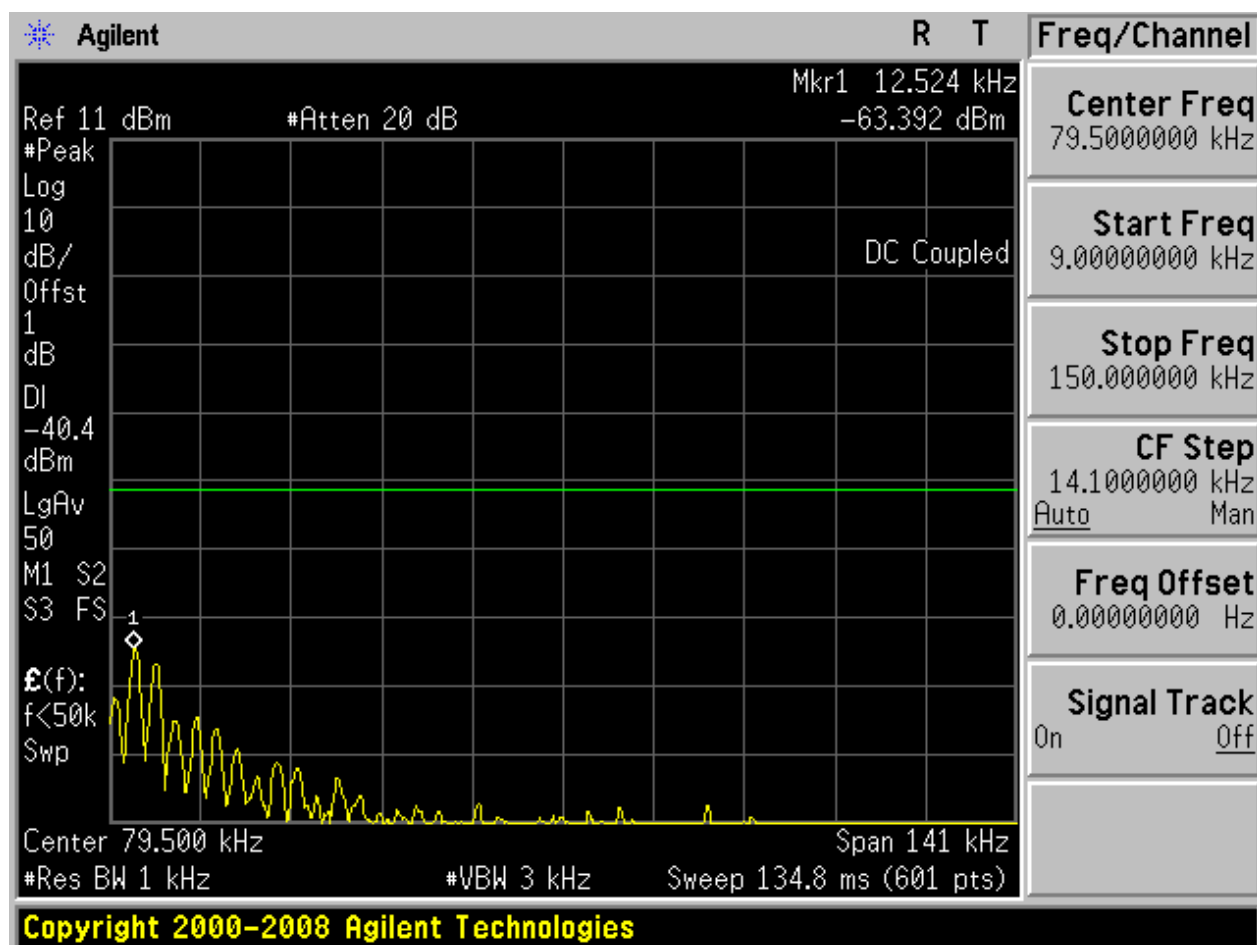
2.14 11N20_L@Ant 2

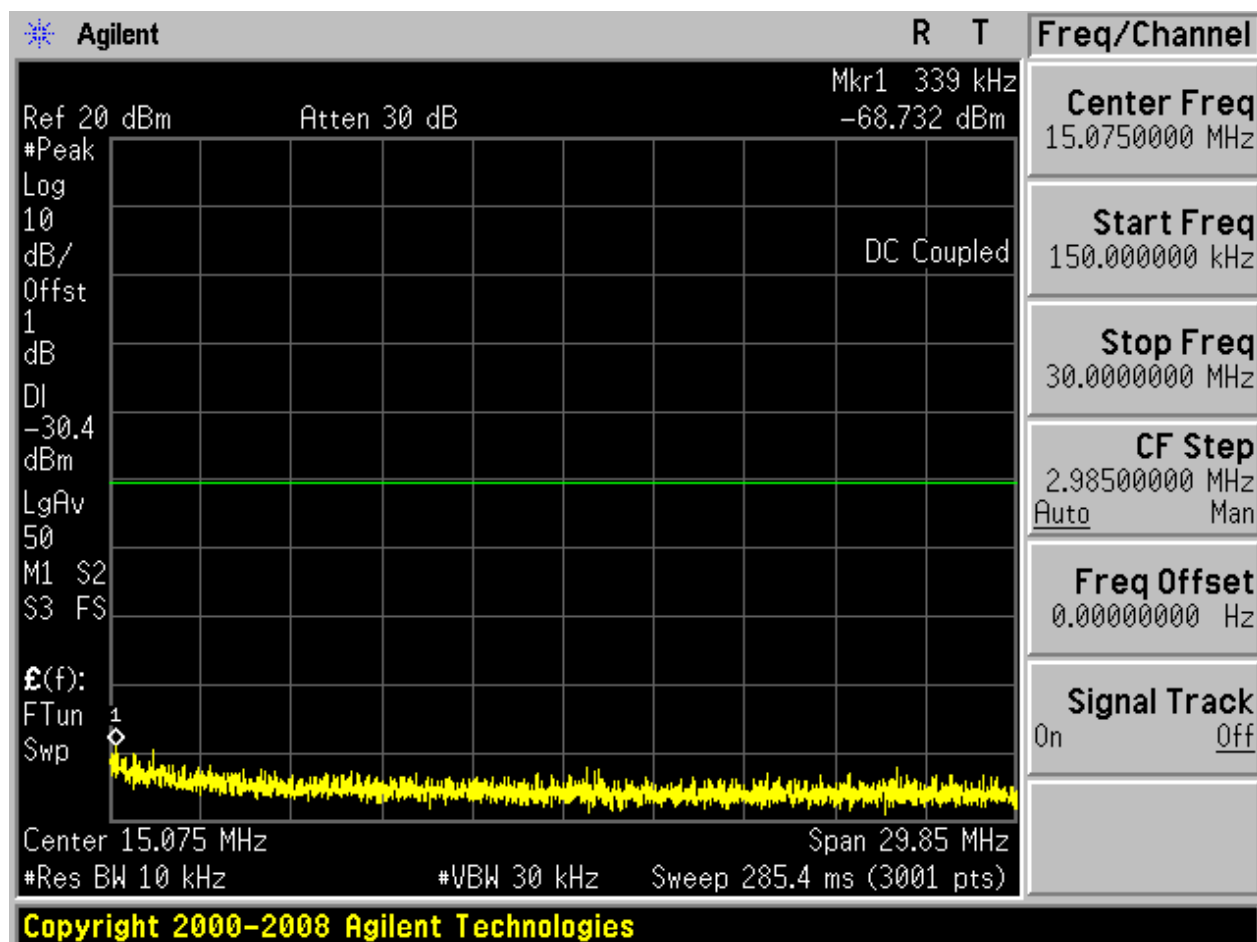
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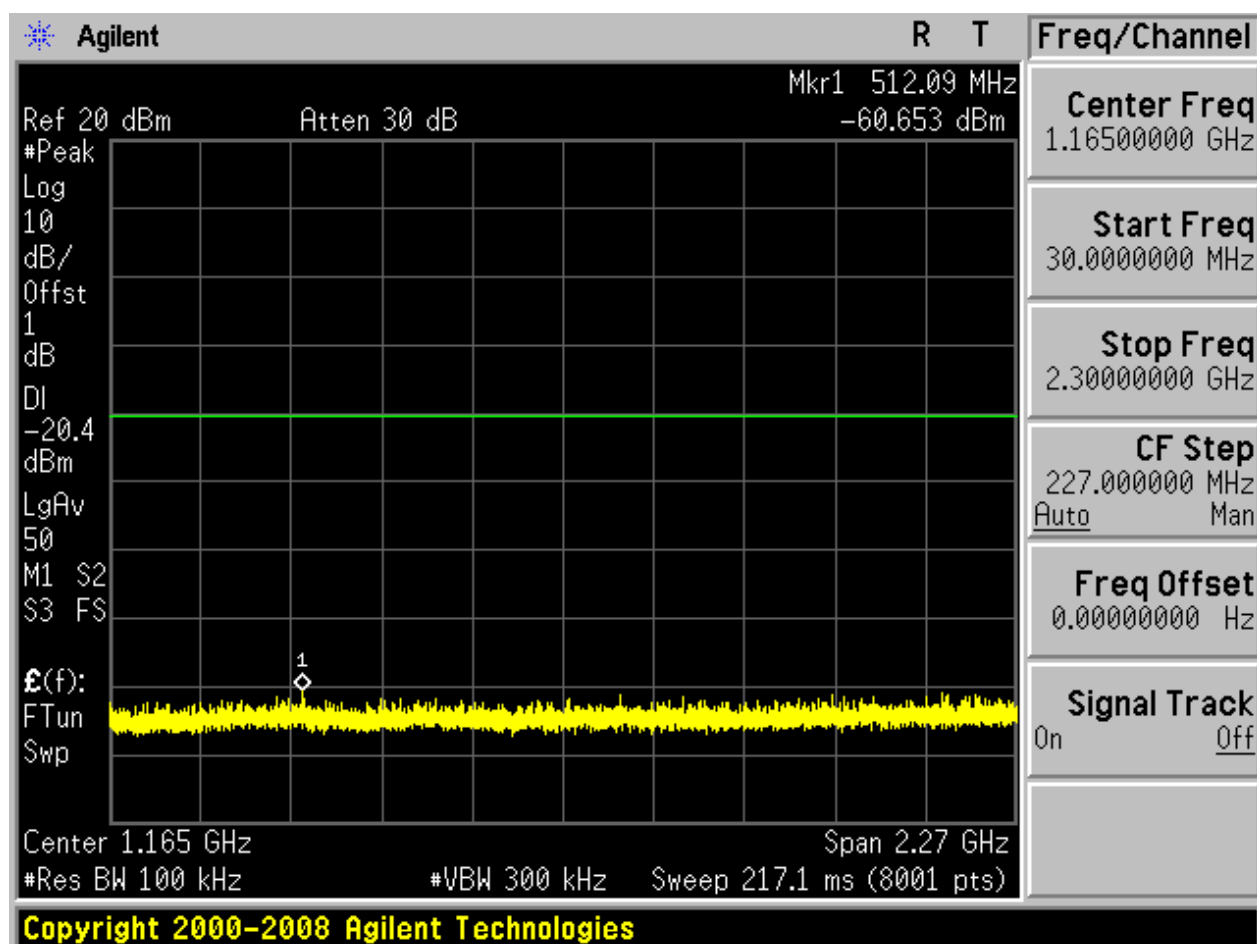


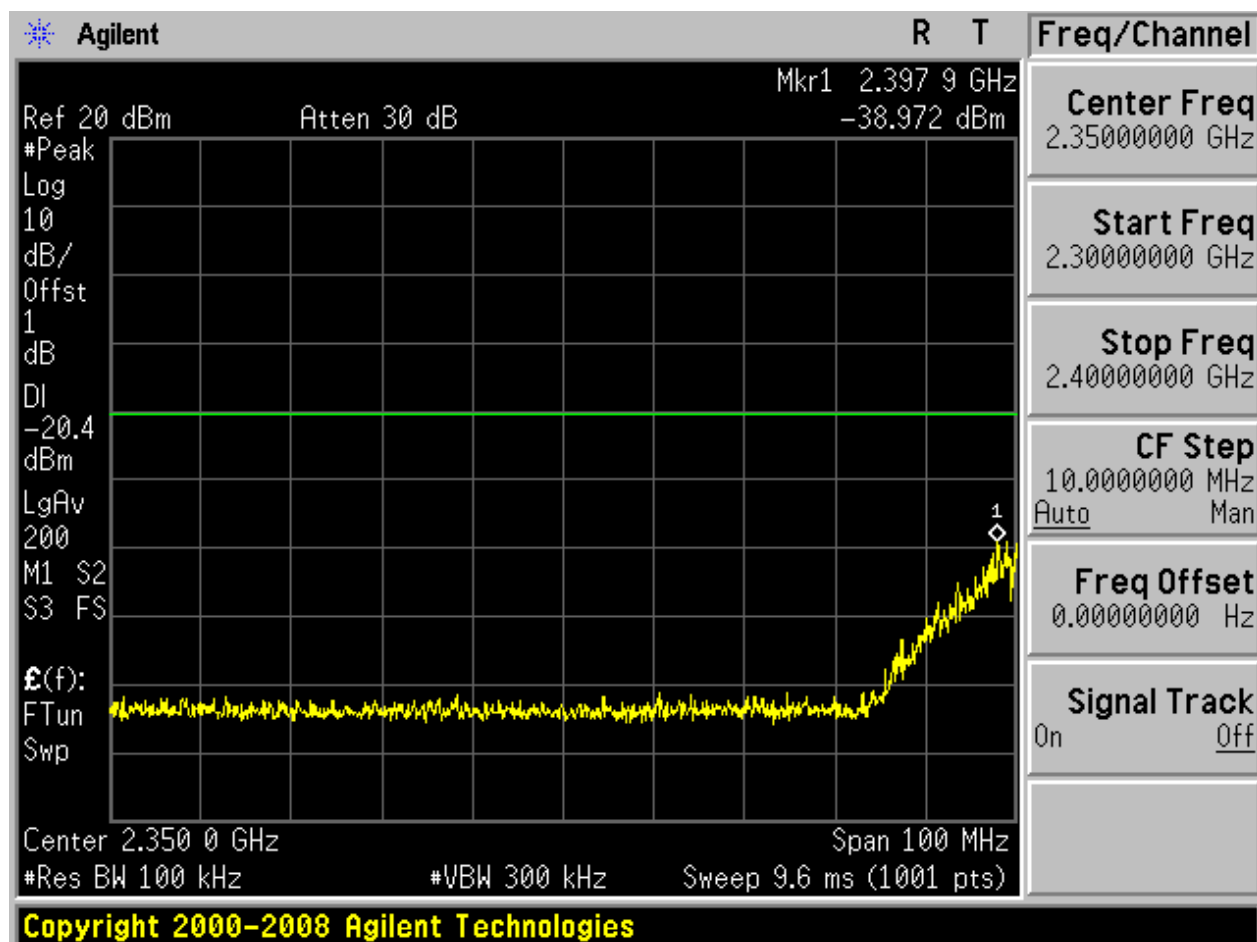


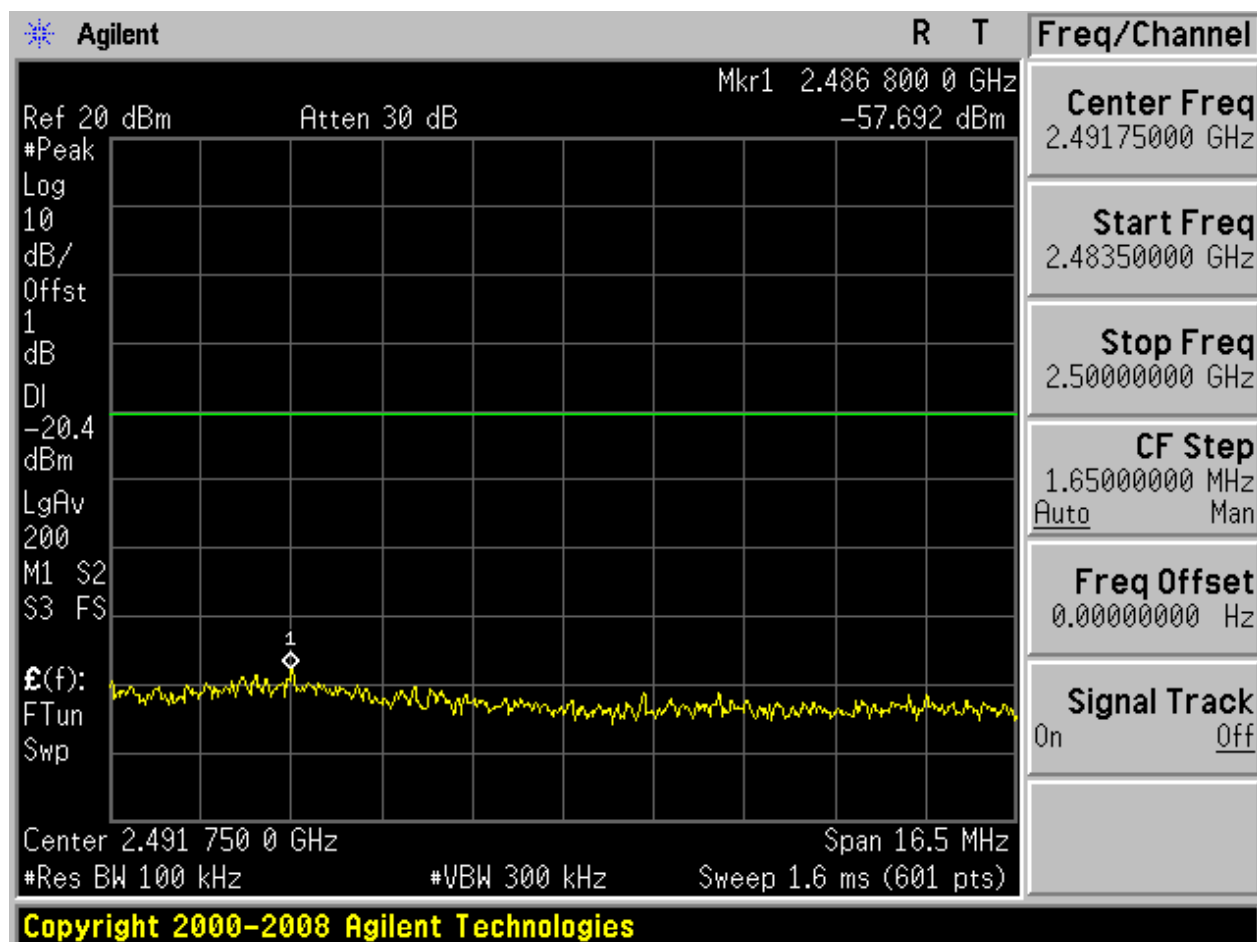
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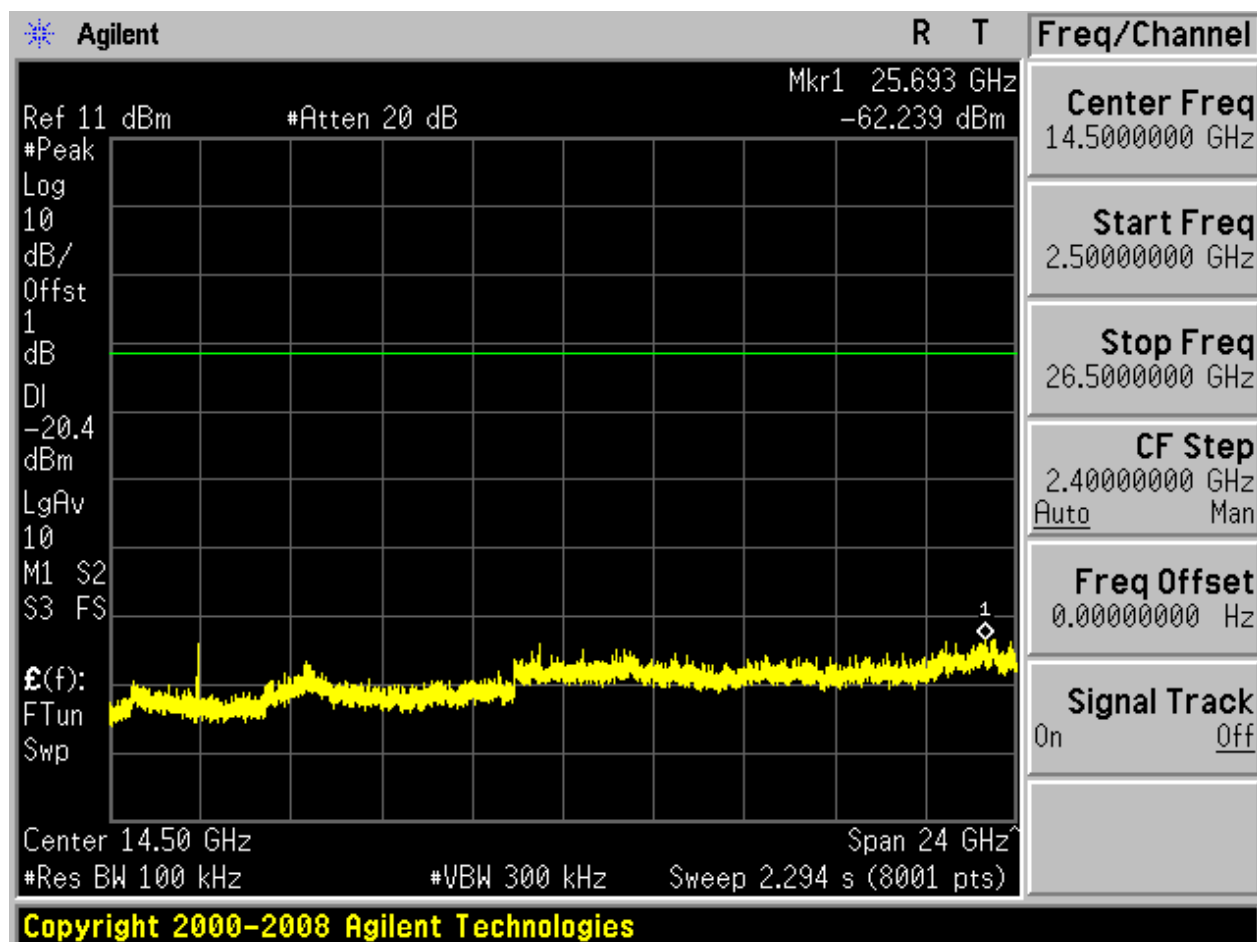






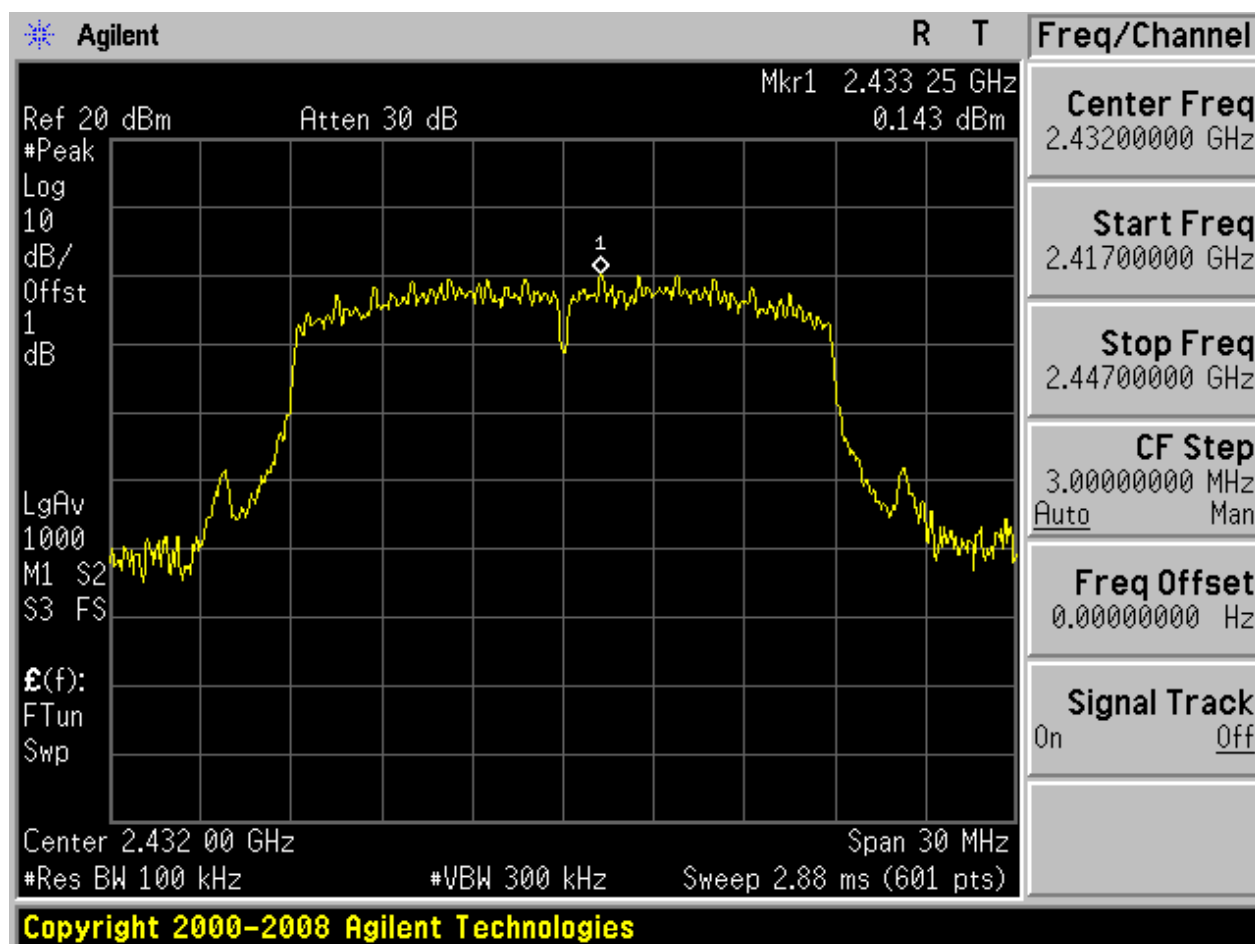






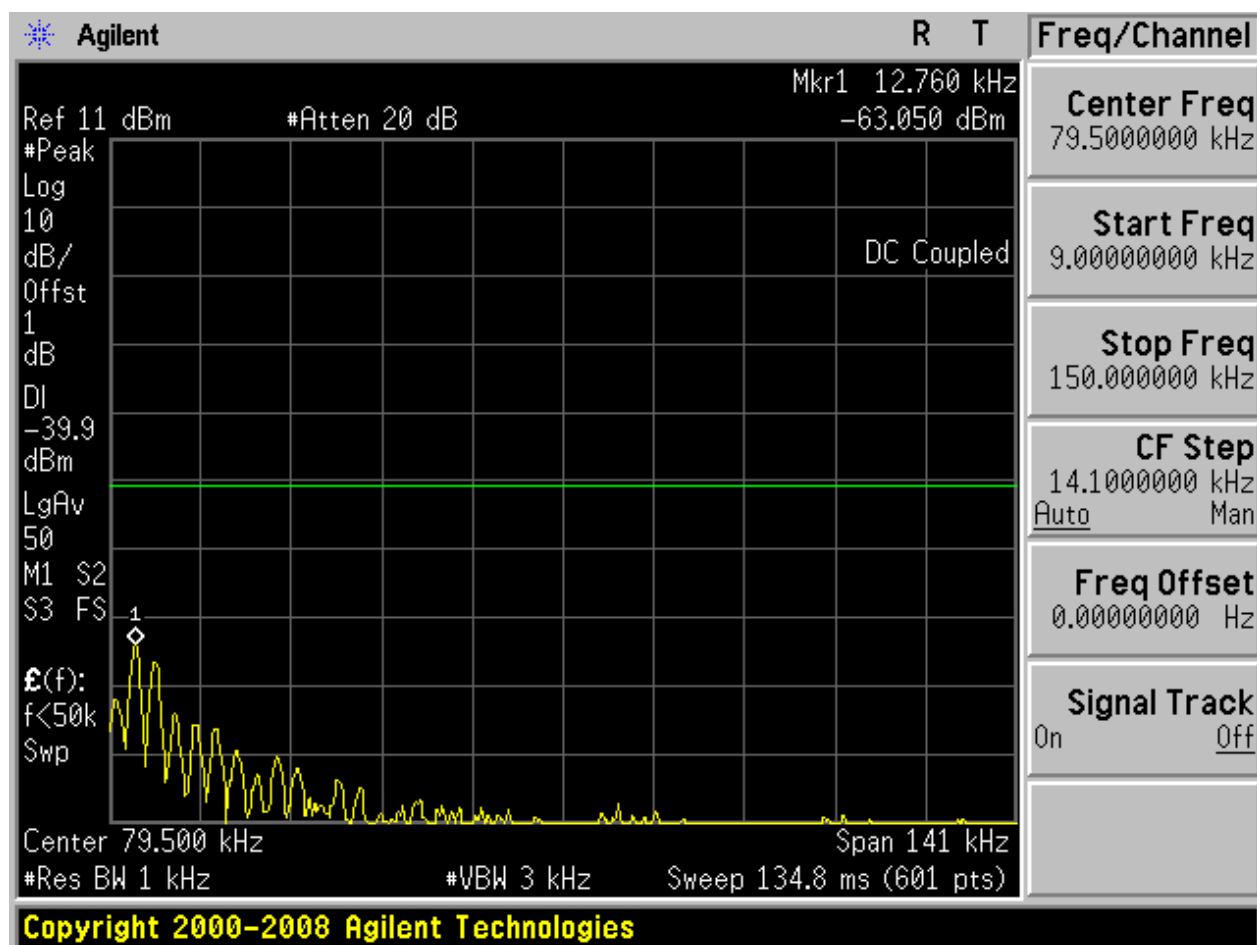
2.15 11N20_M@Ant 1

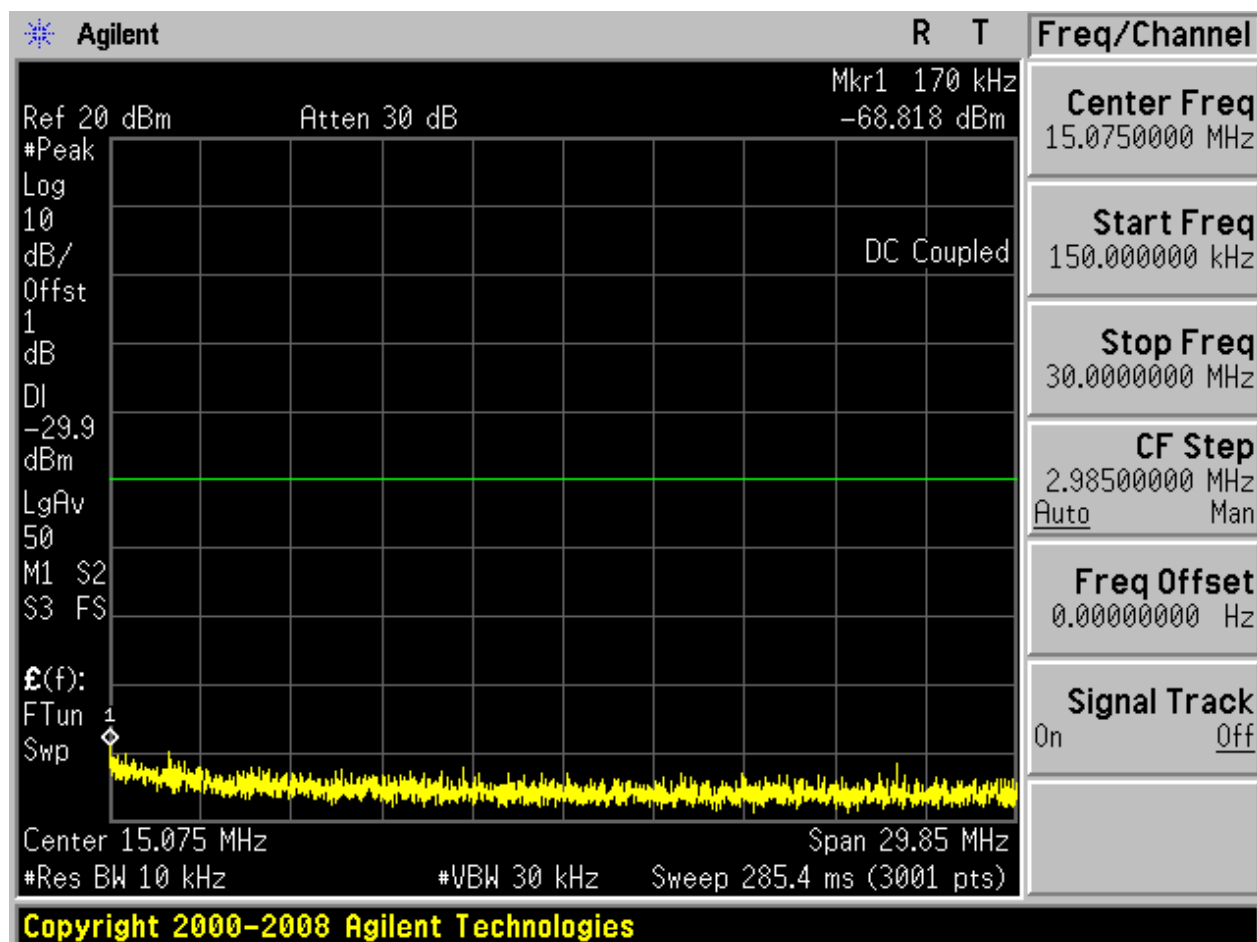
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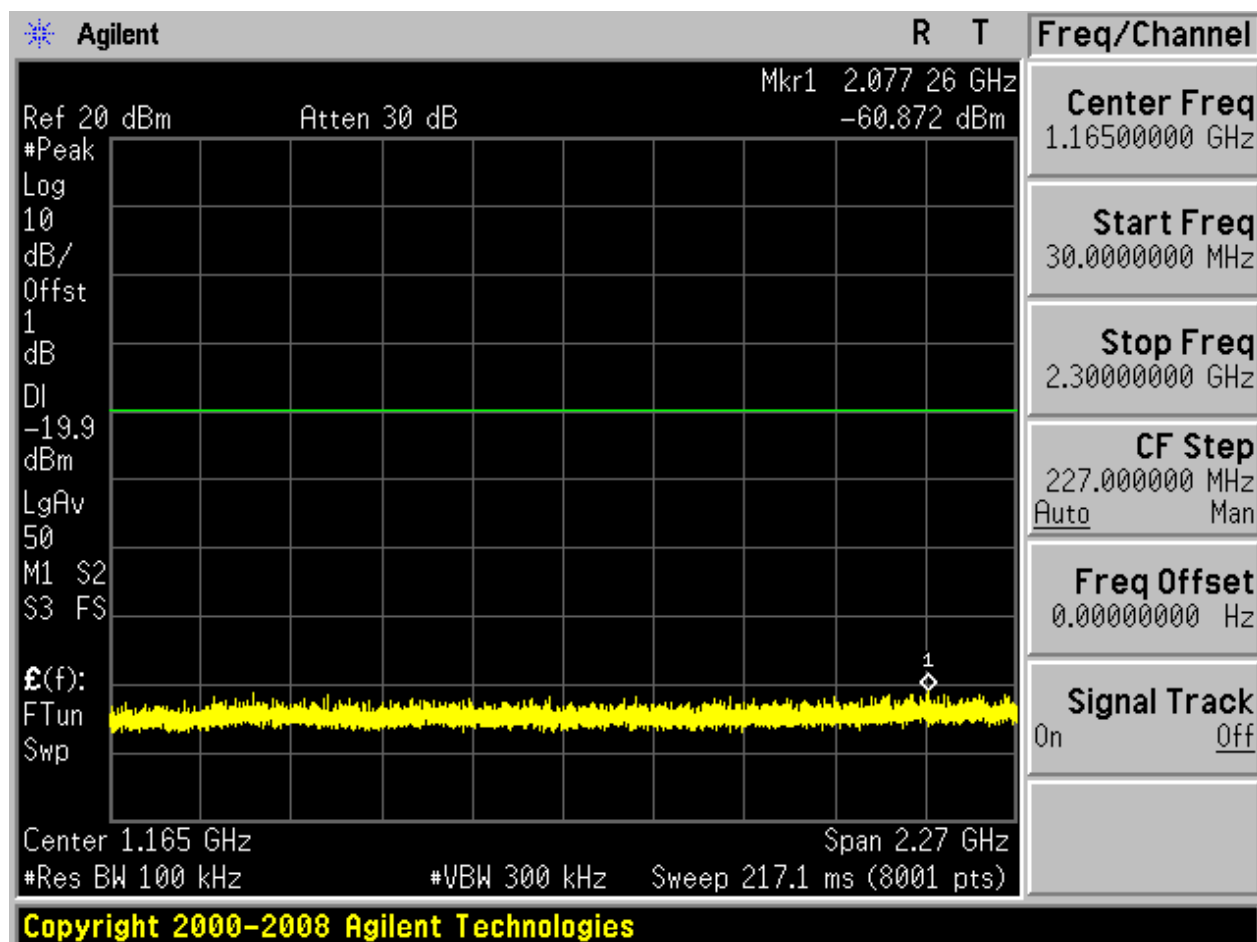


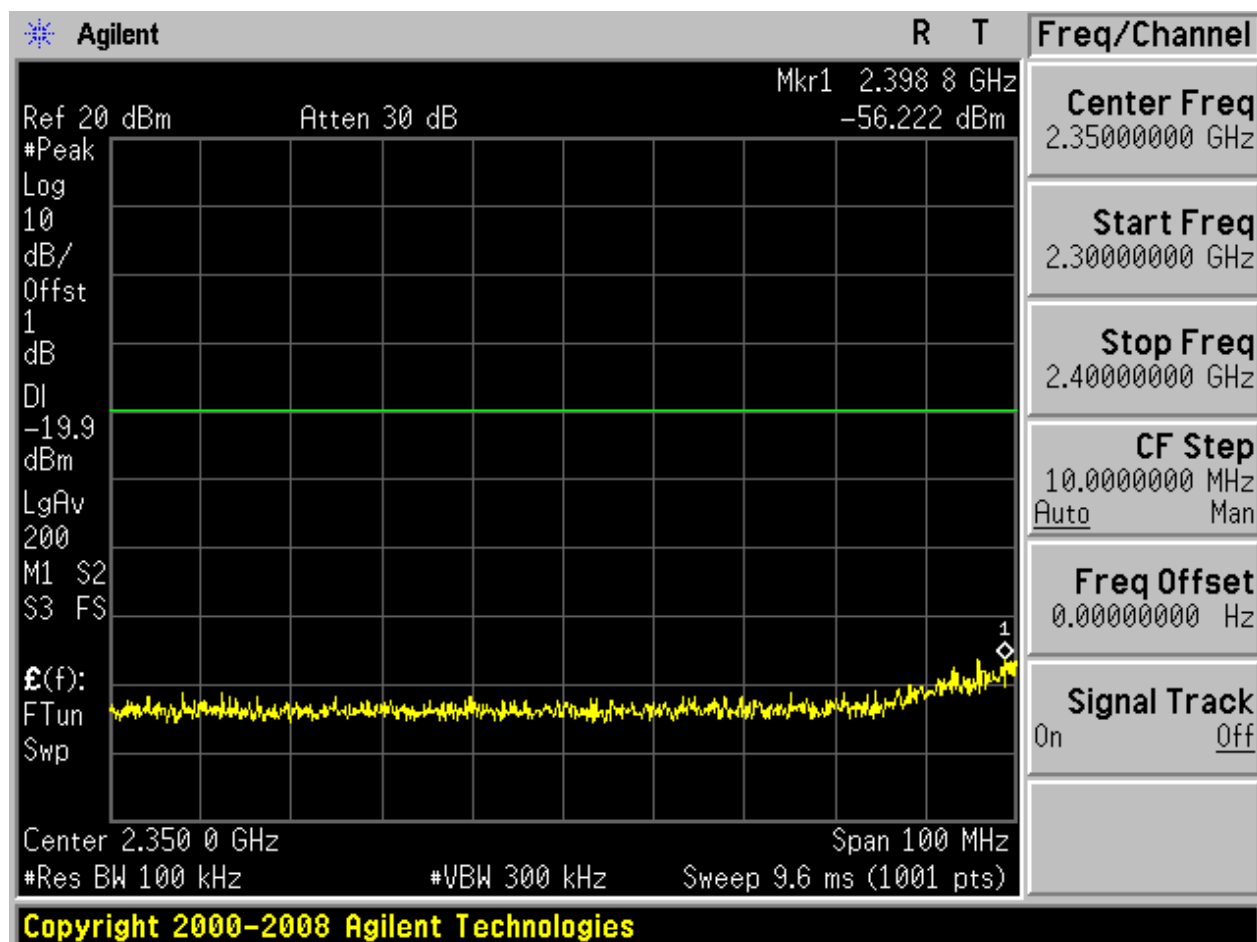


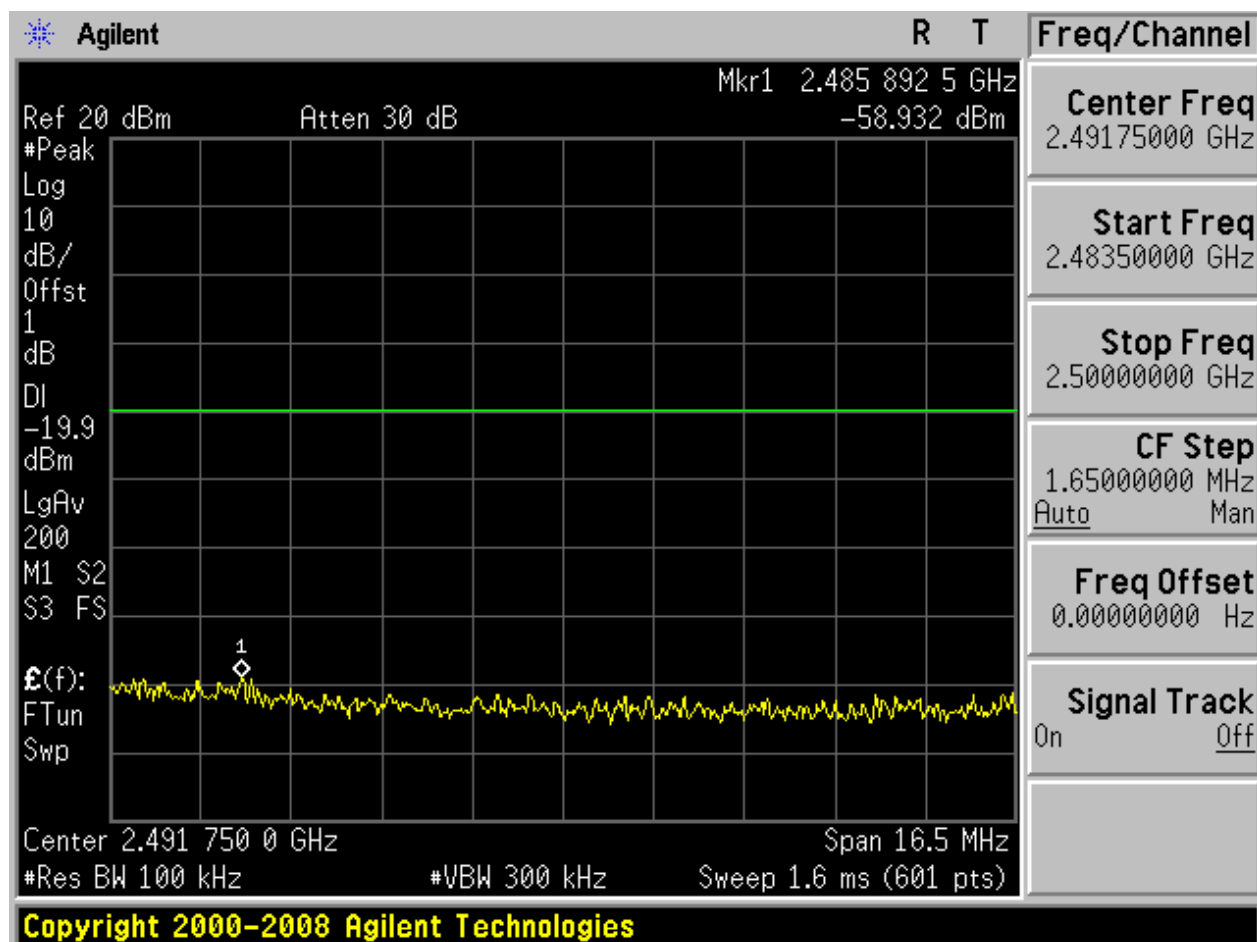
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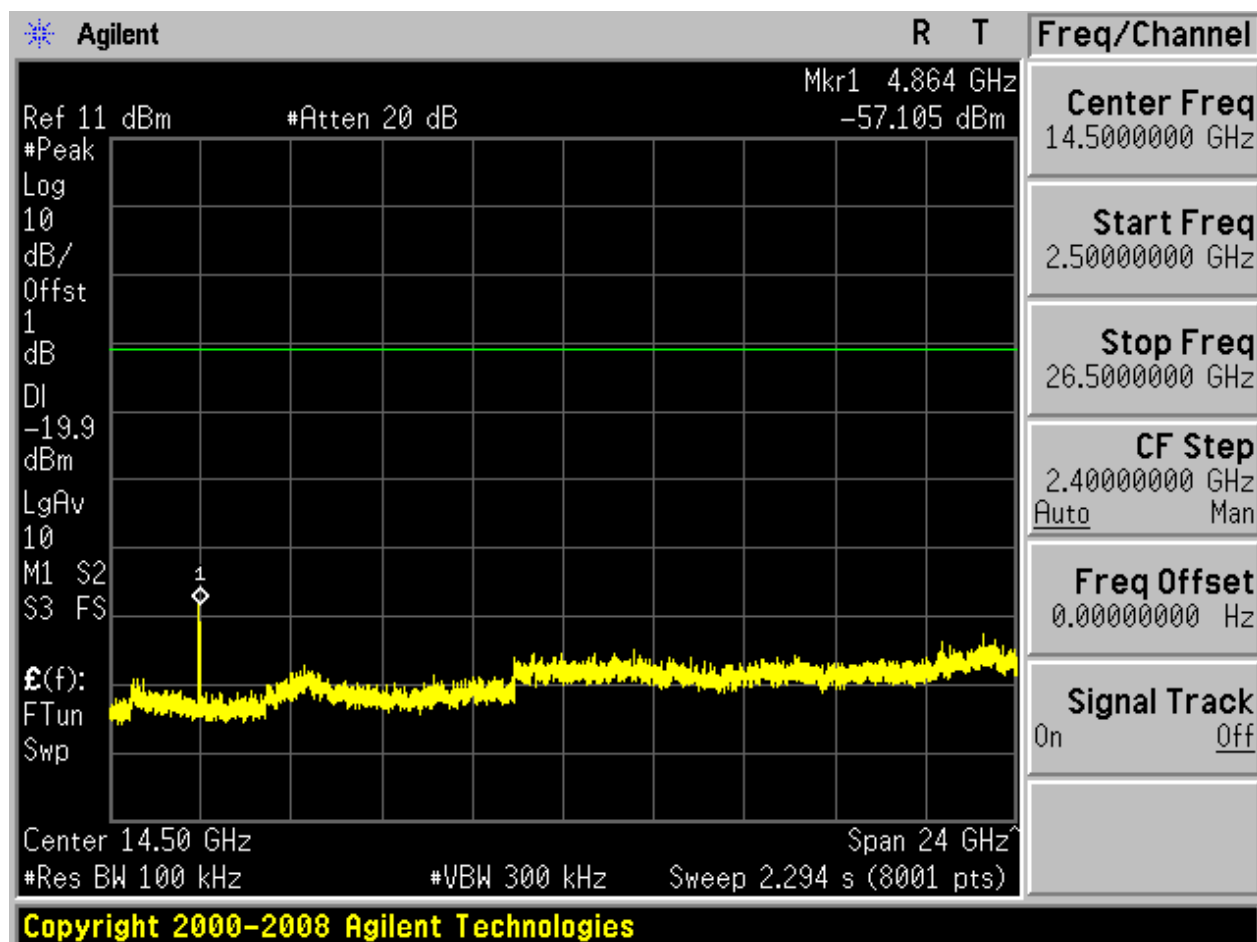






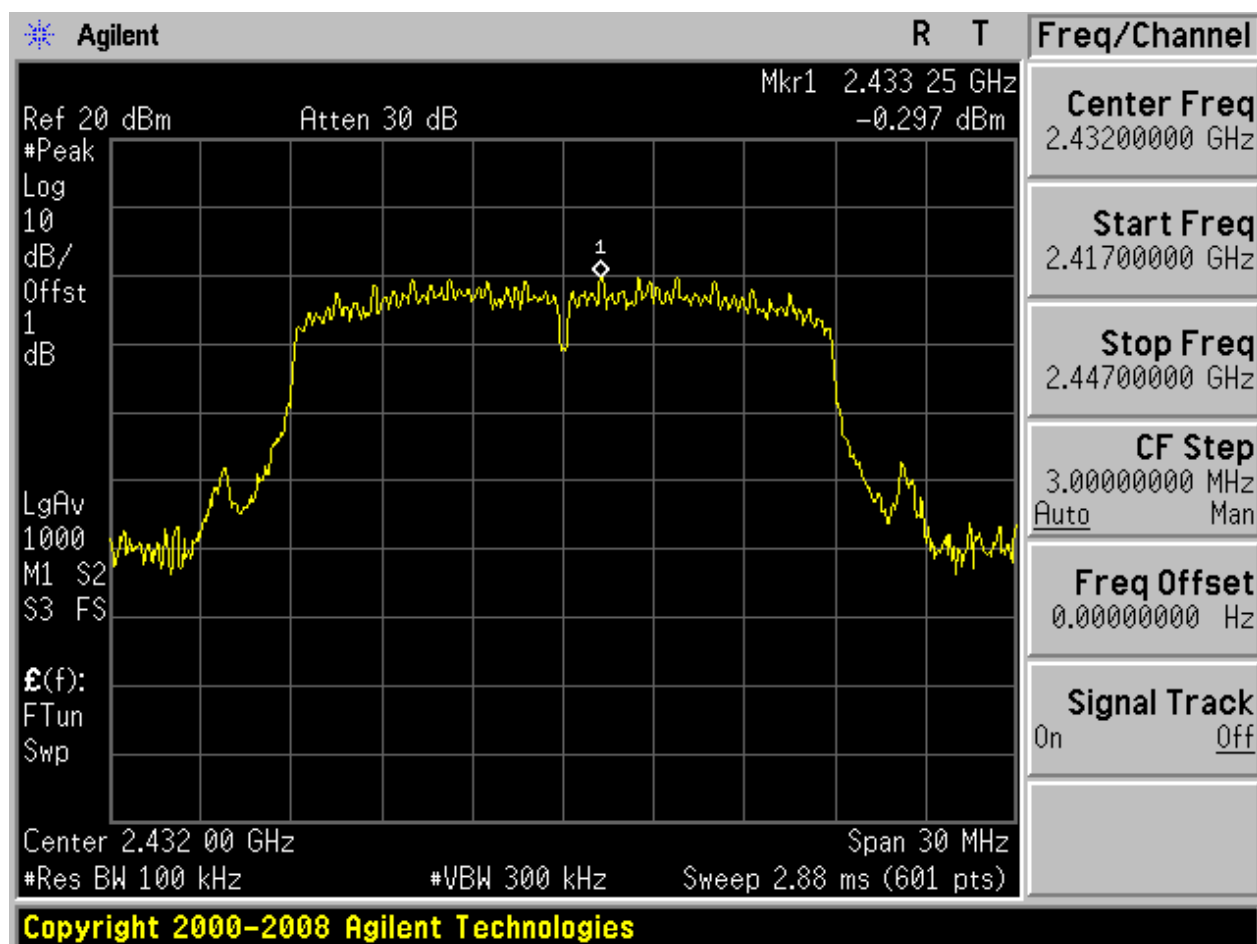






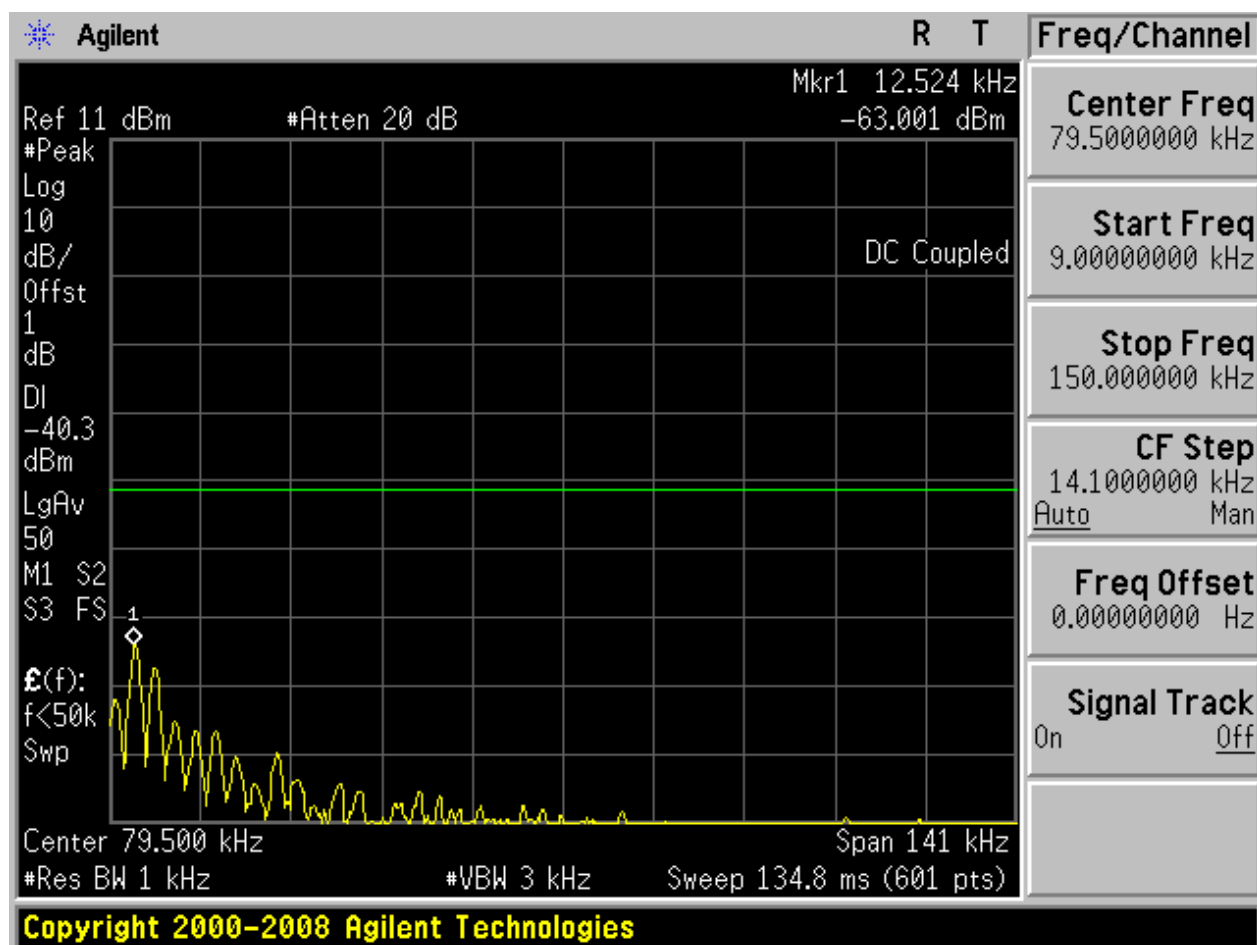
2.16 11N20_M@Ant 2

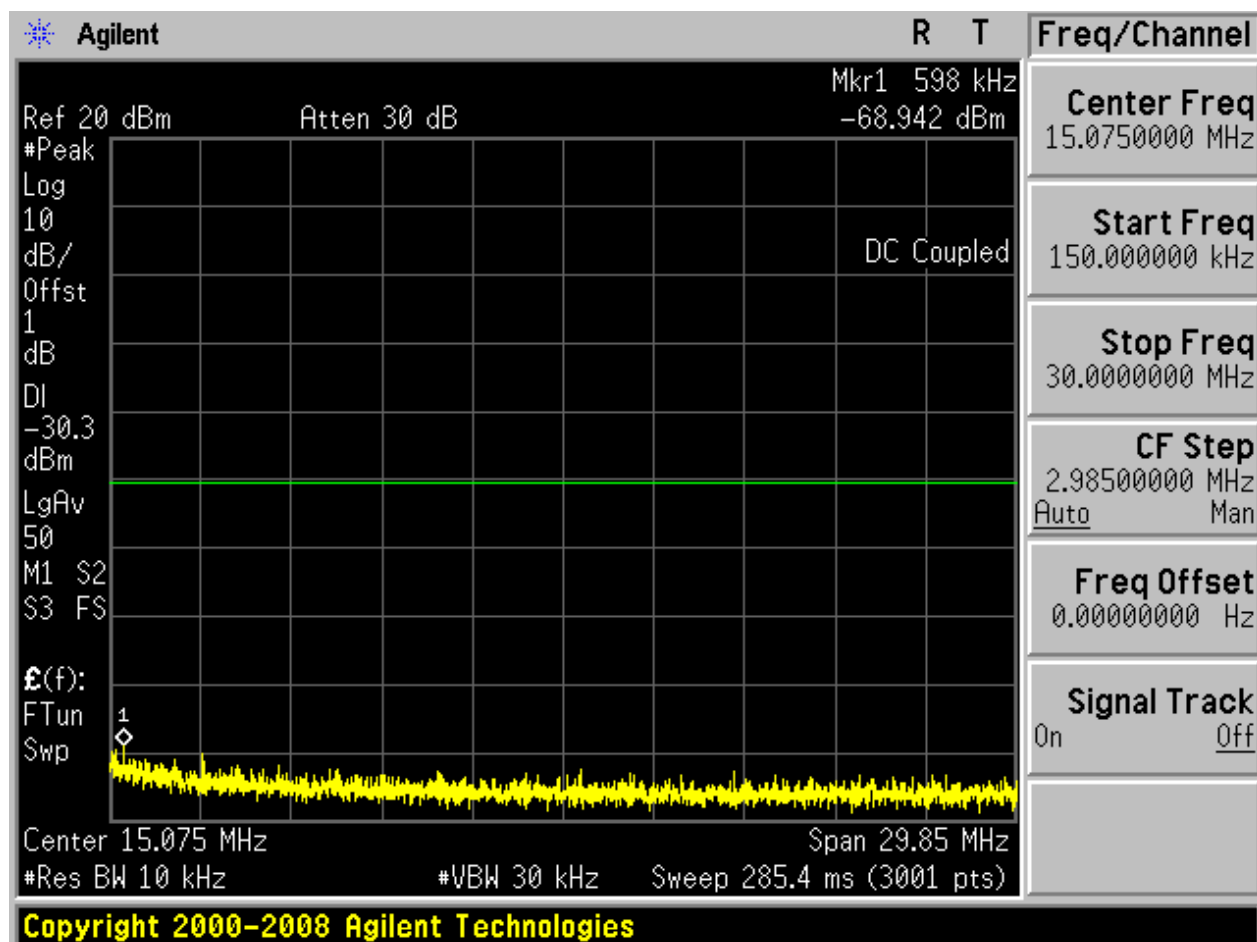
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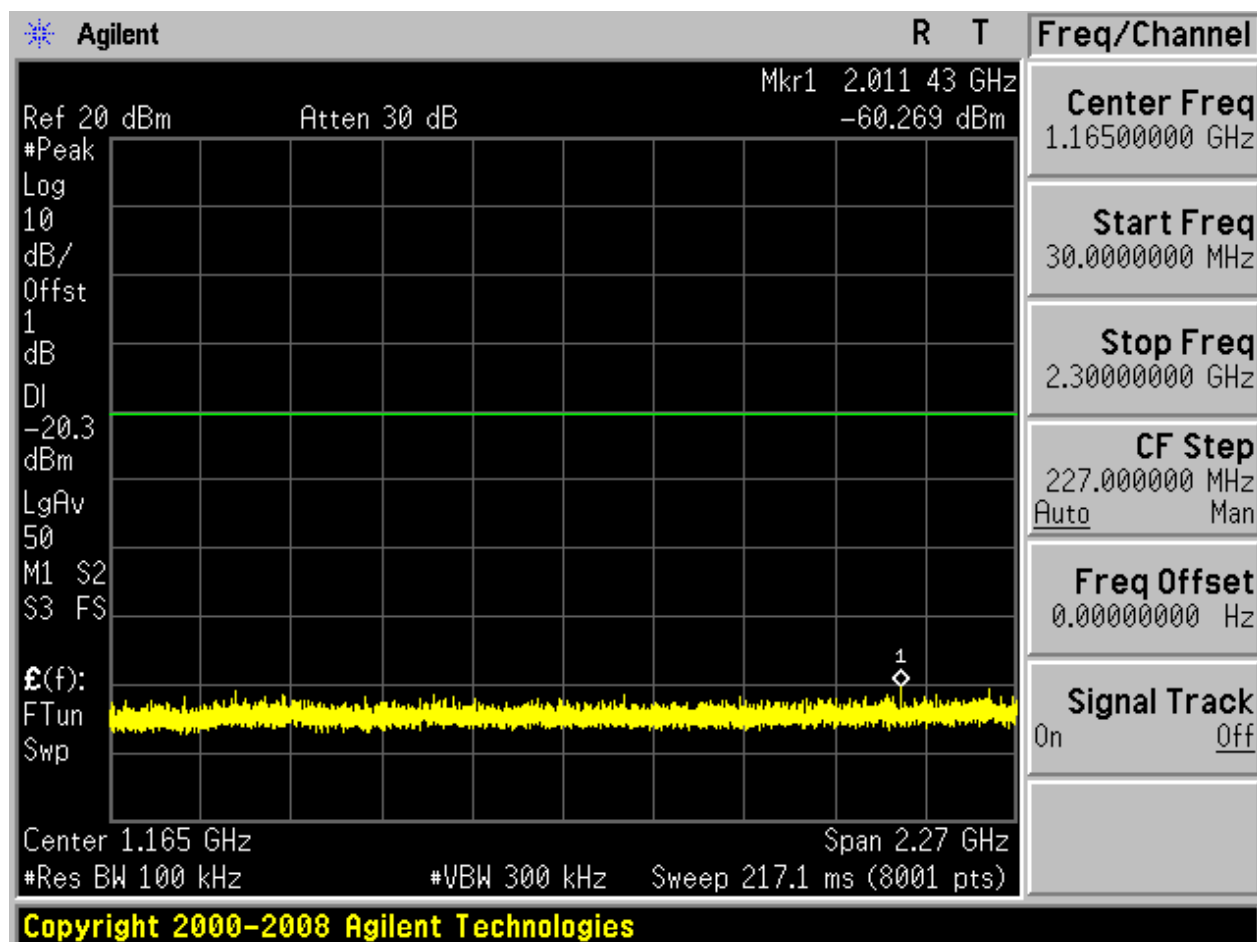


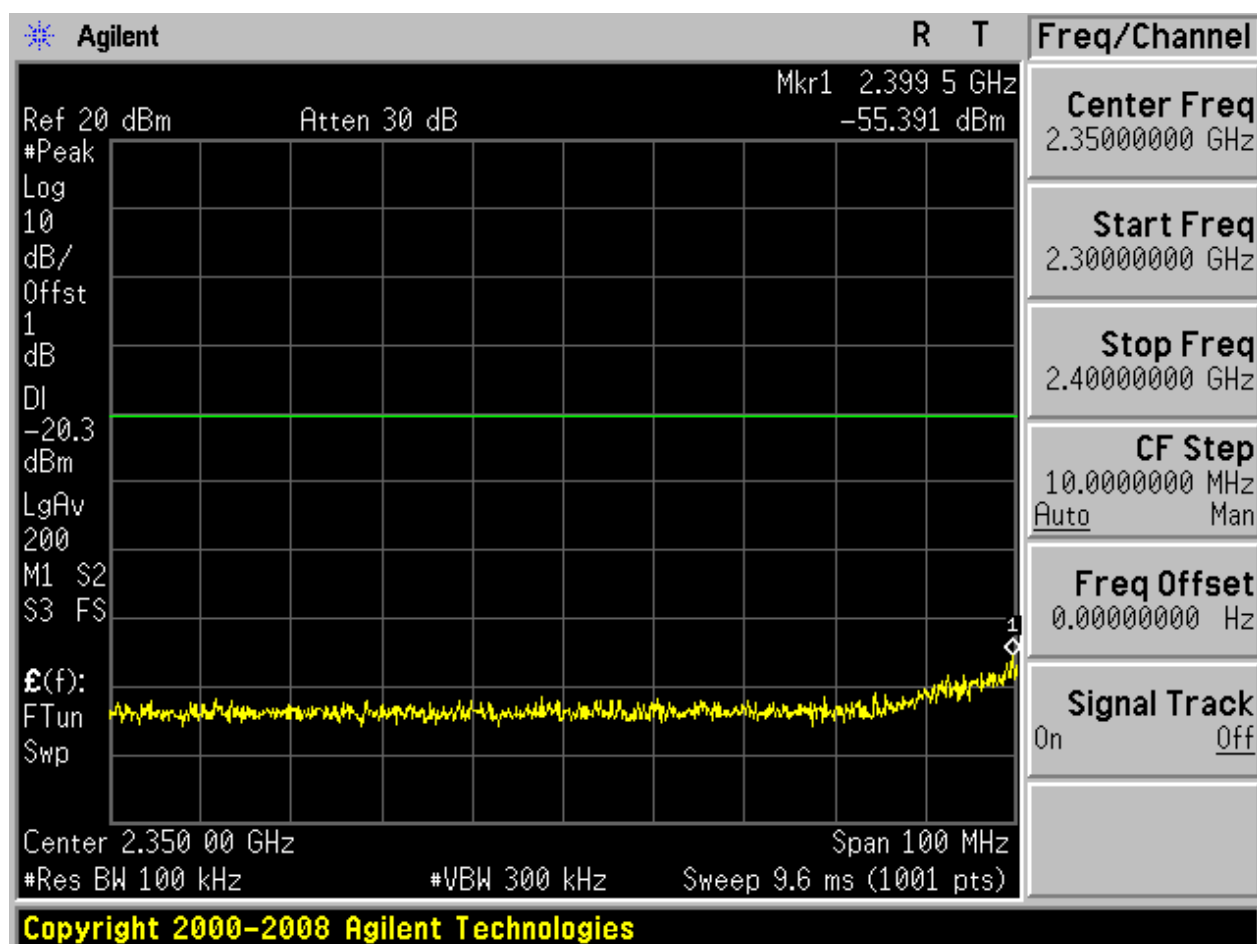


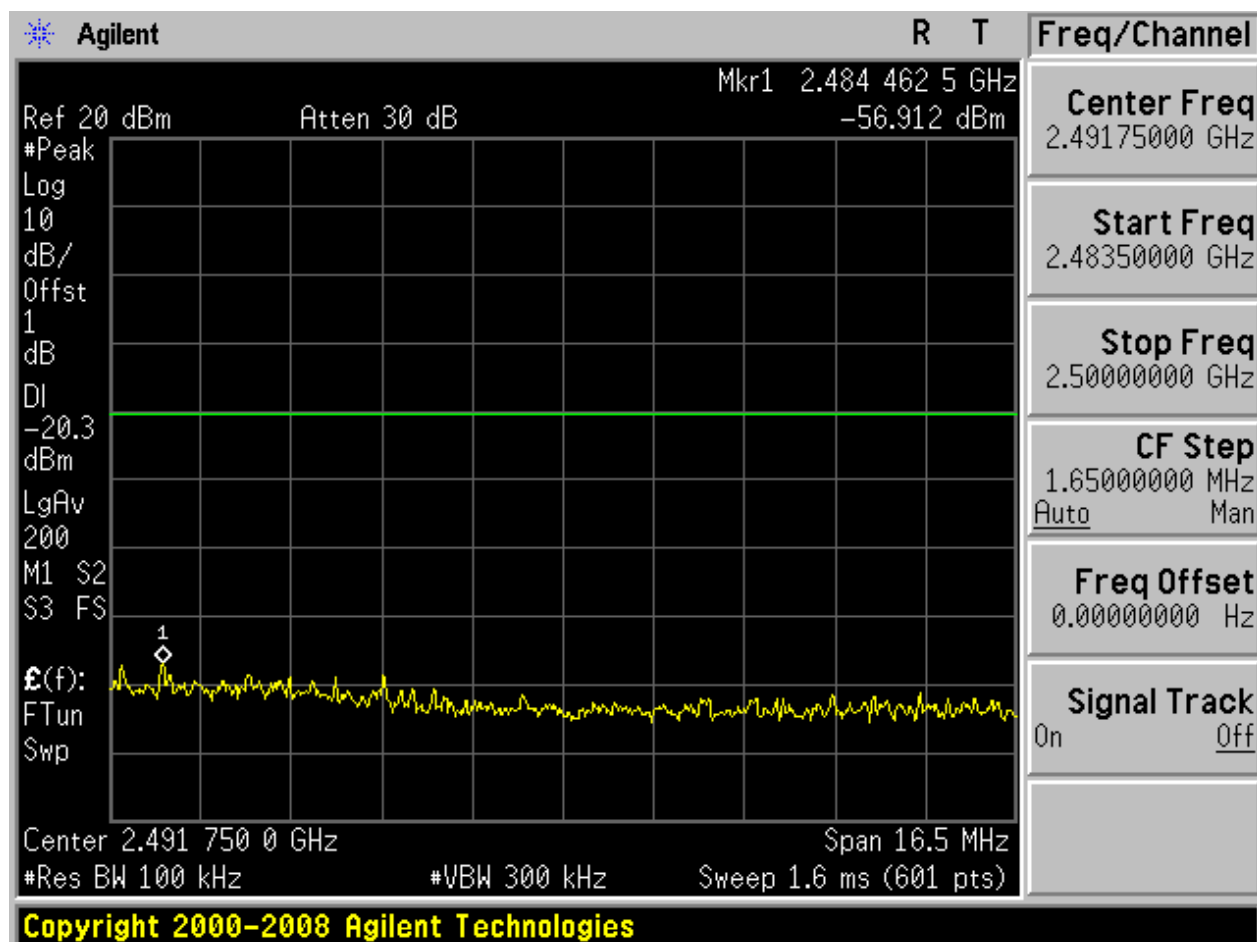
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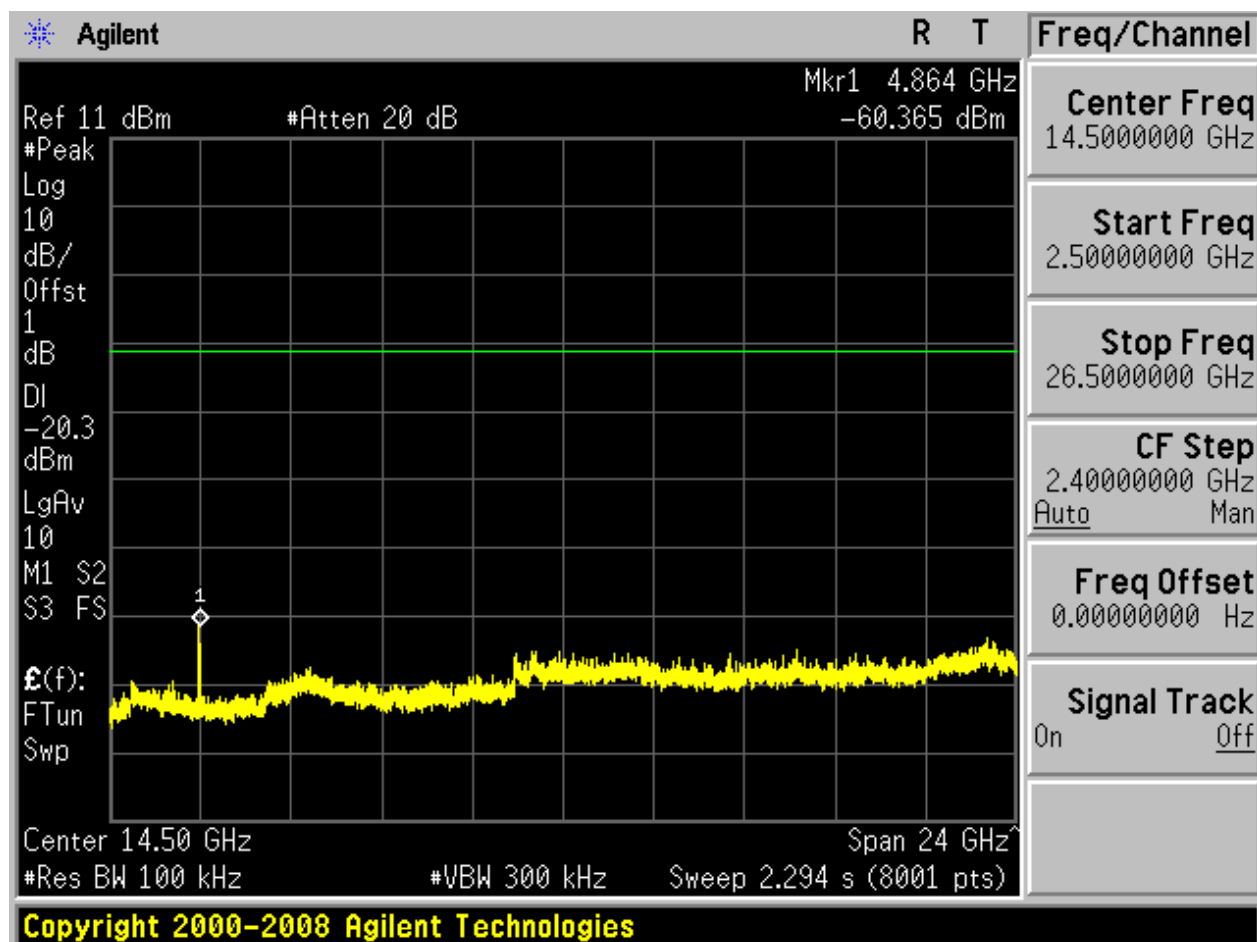






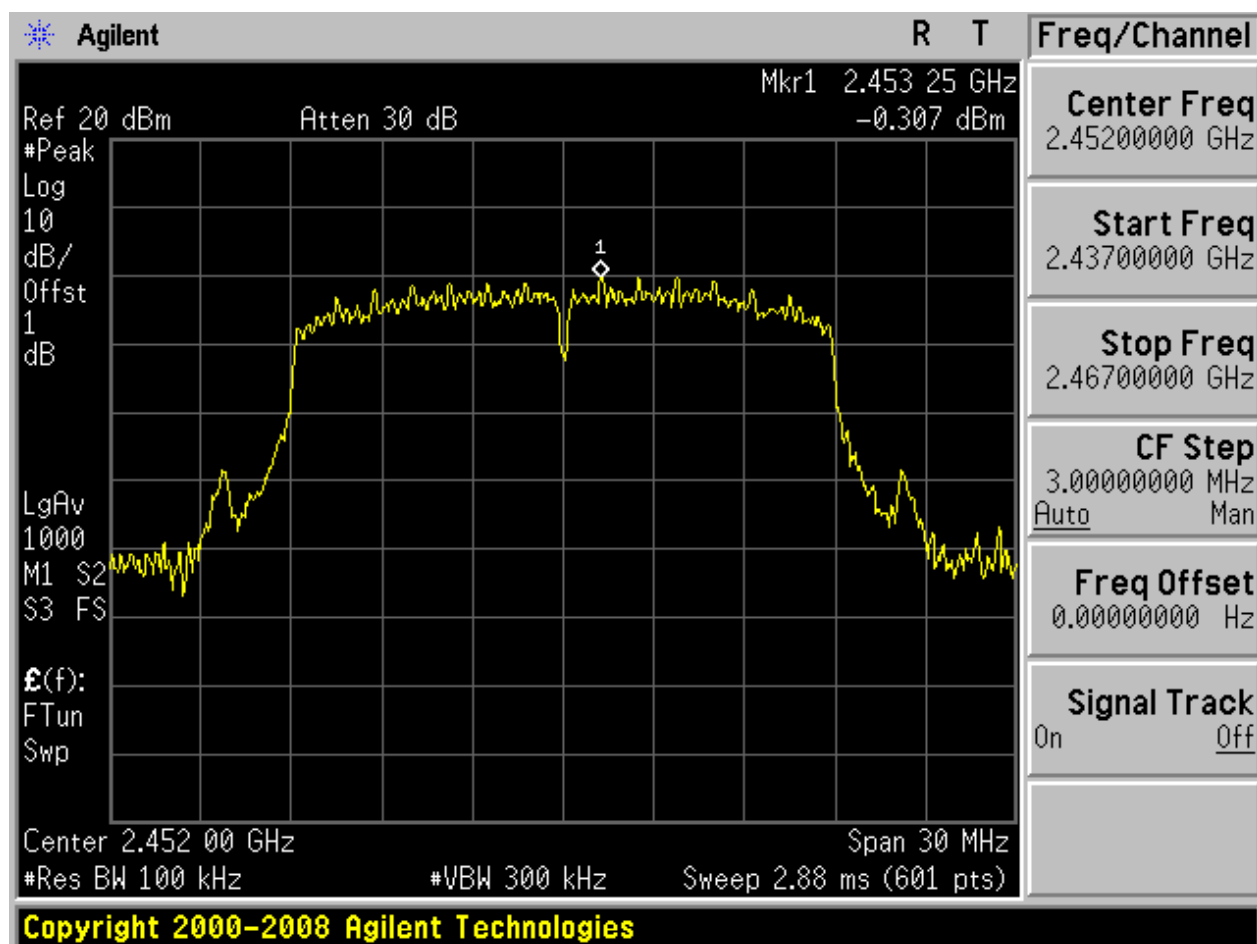




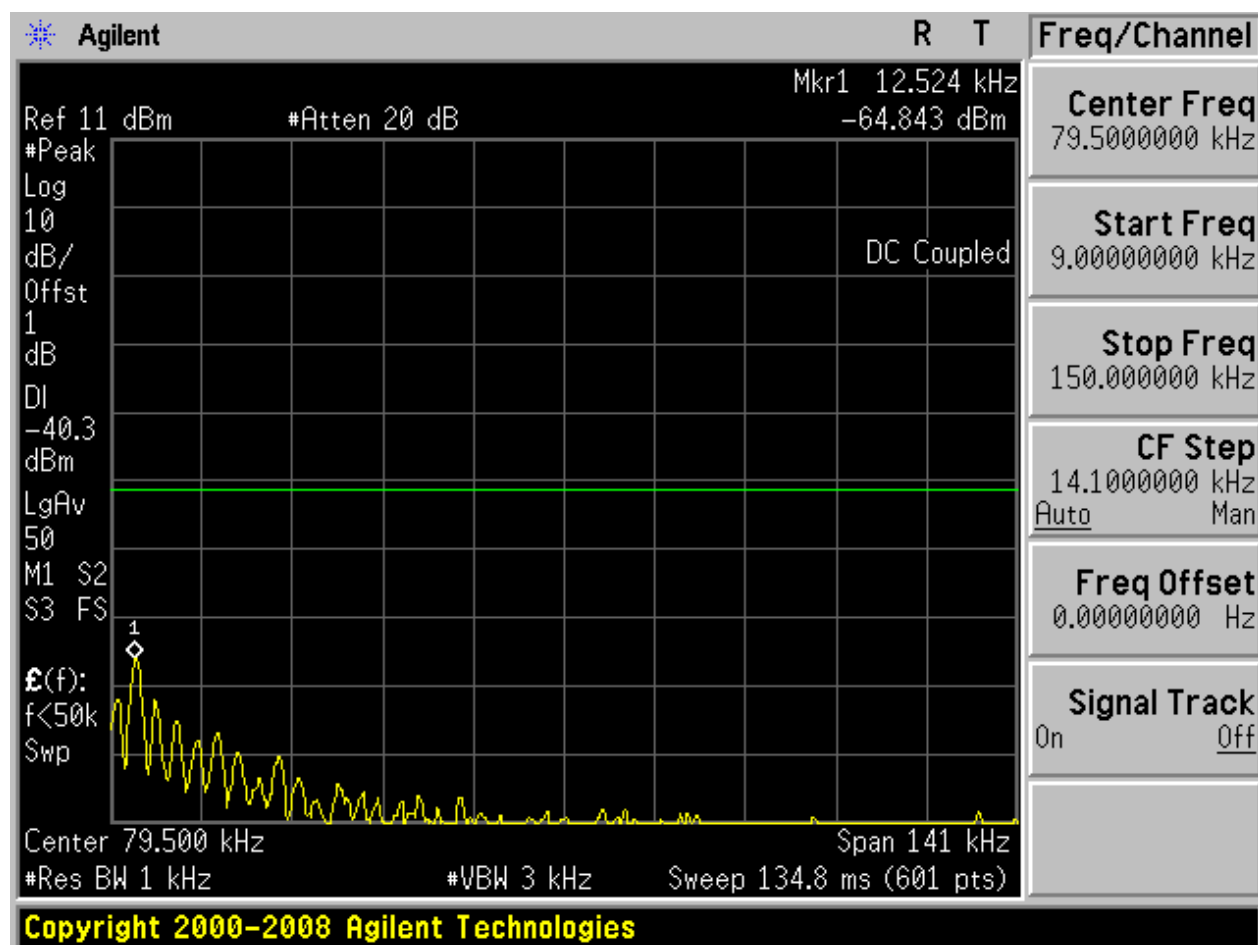


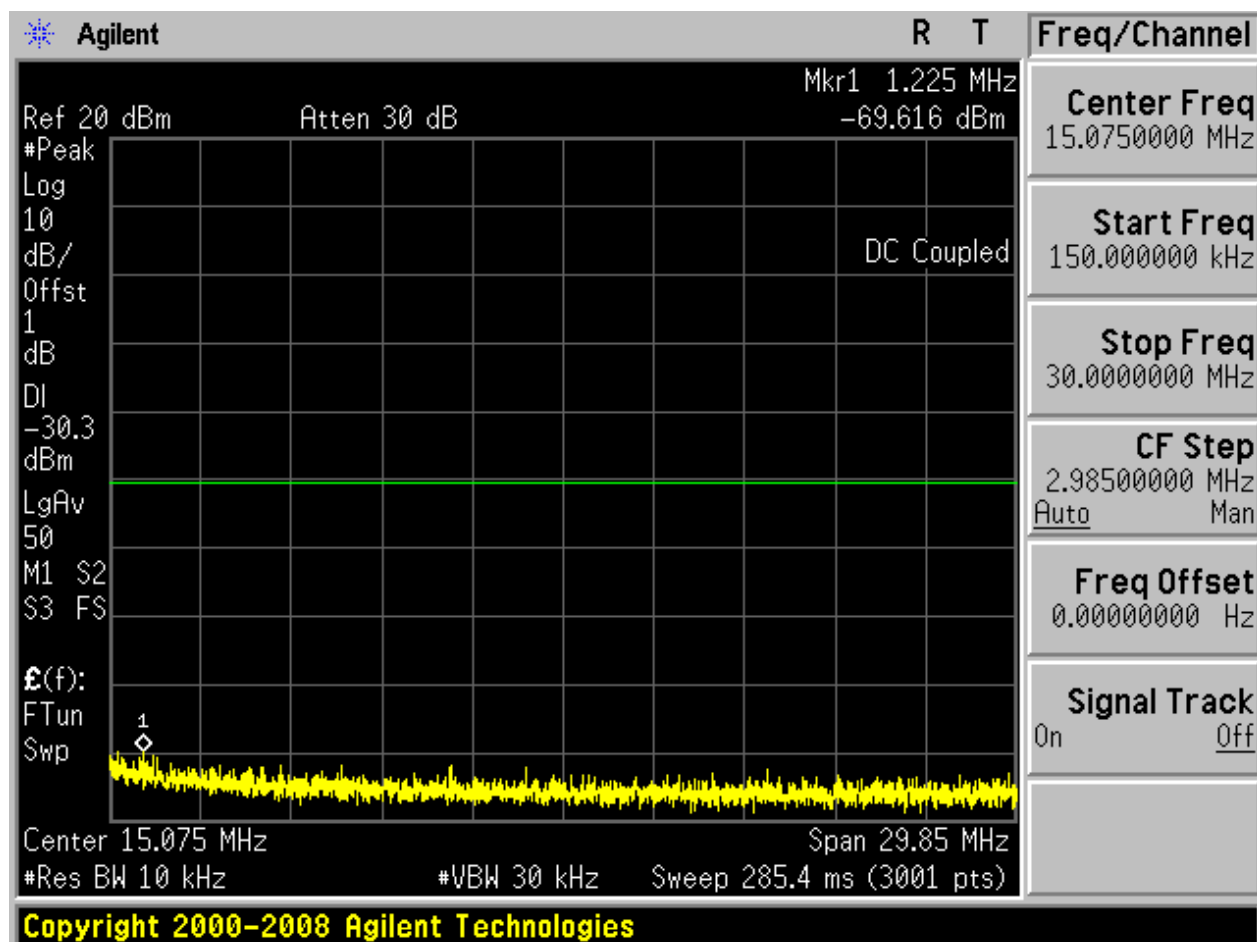
2.17 11N20_H@Ant 1

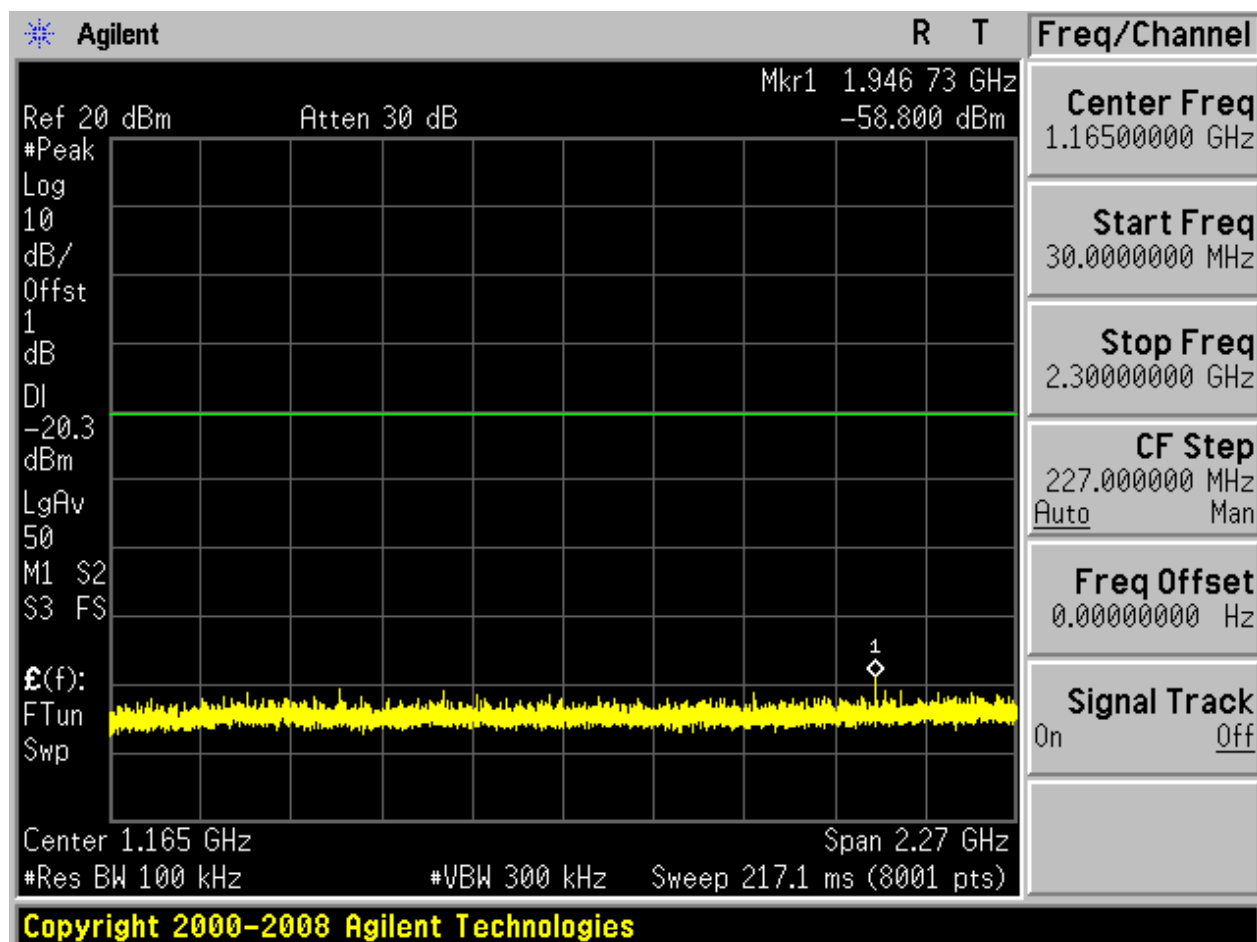
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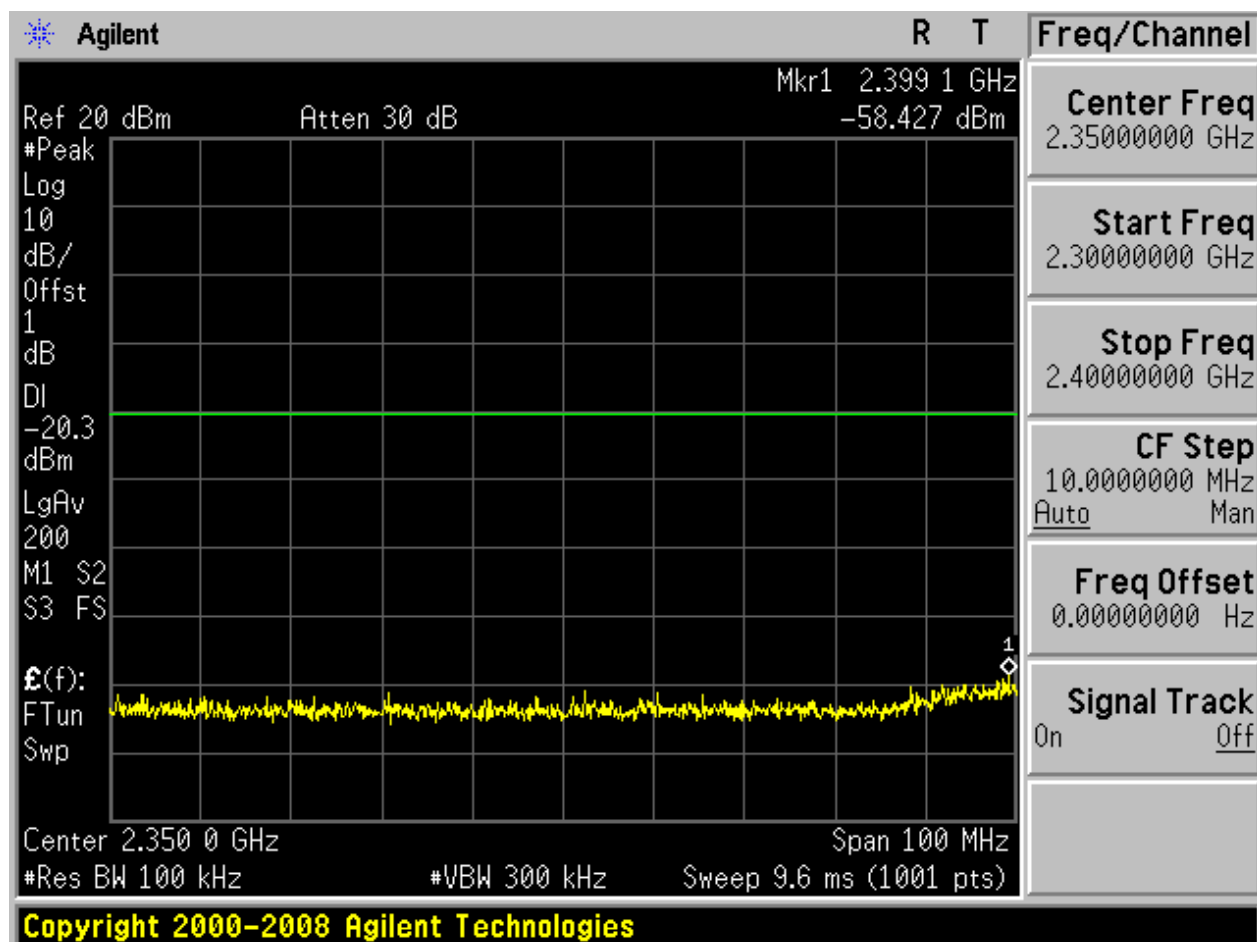


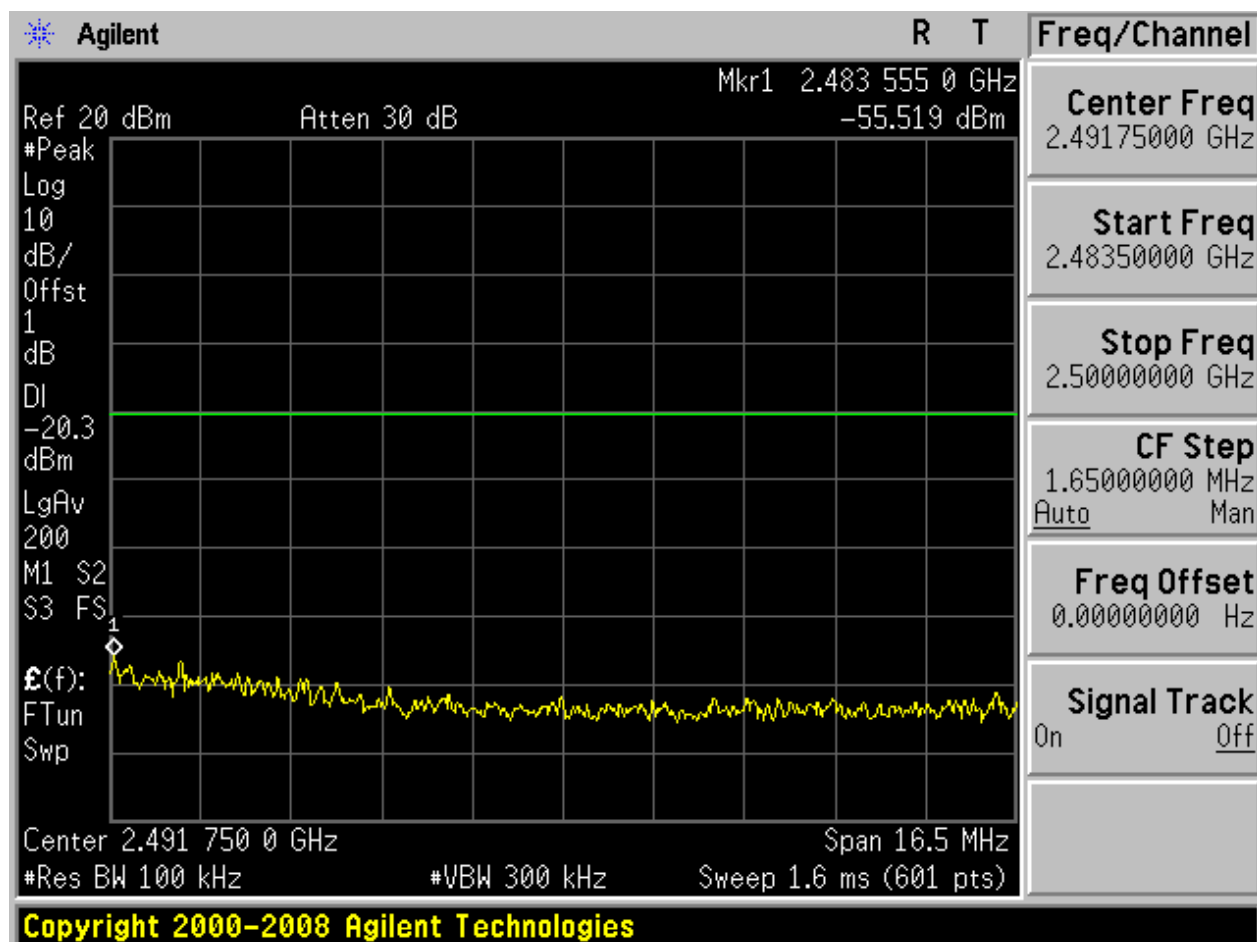
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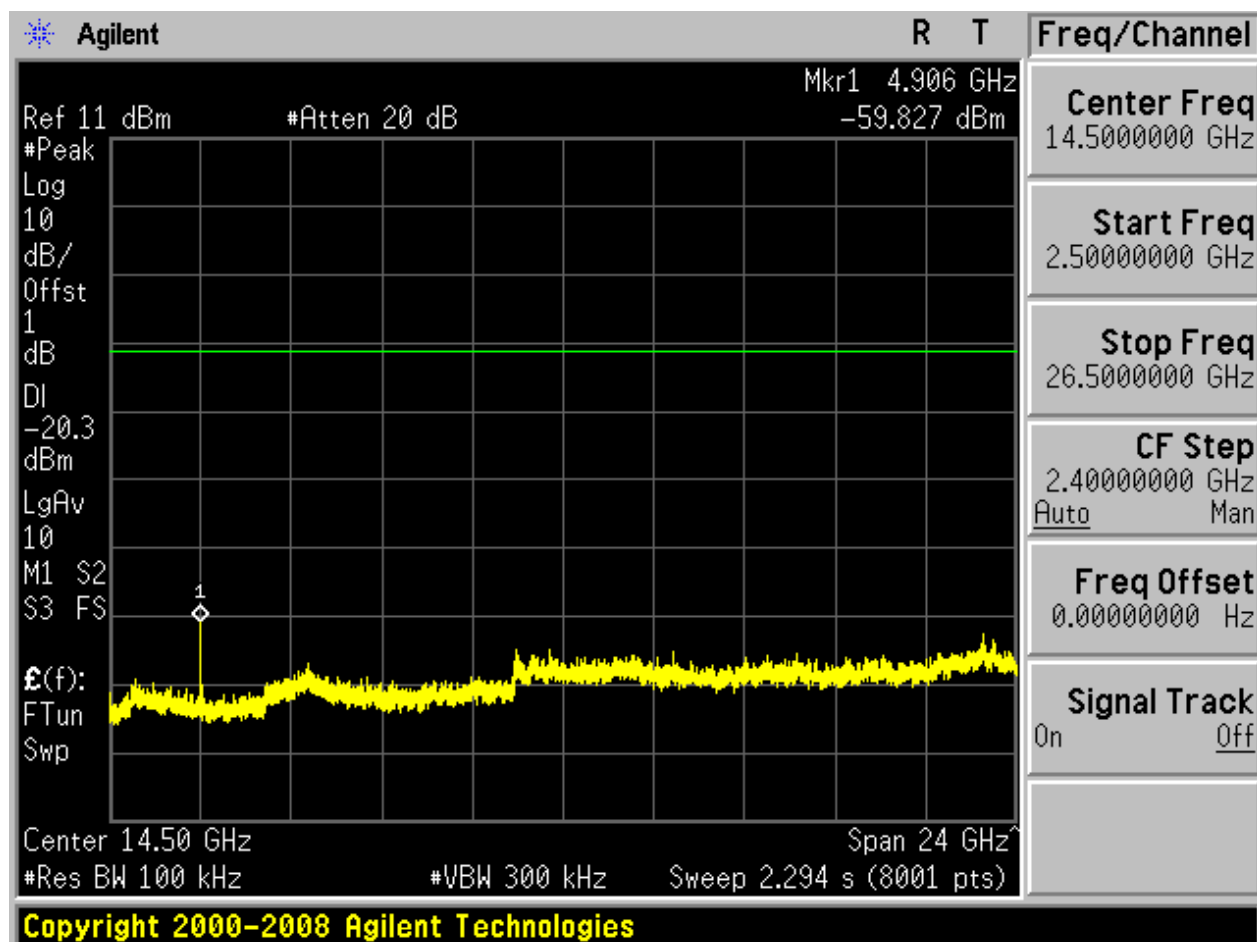






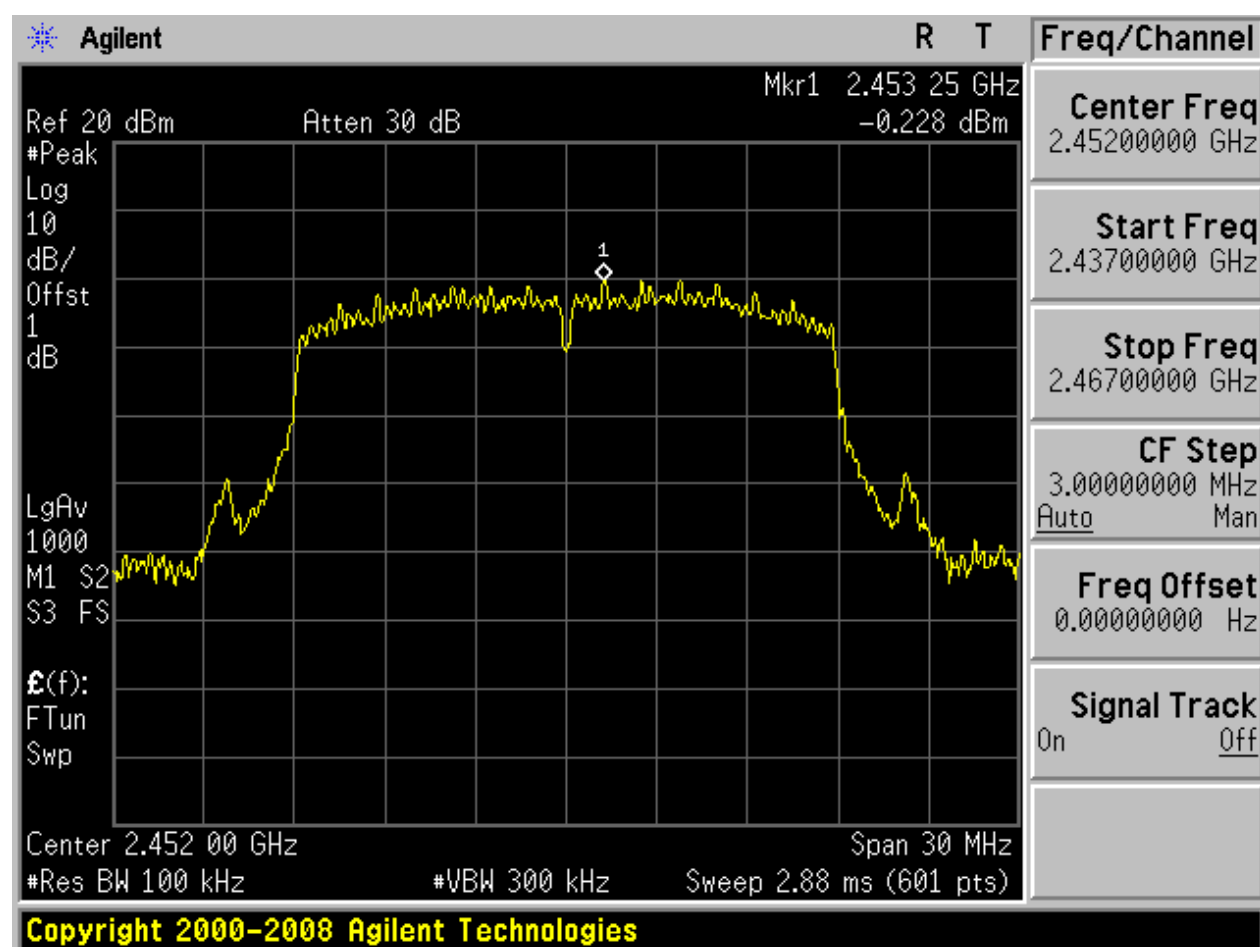




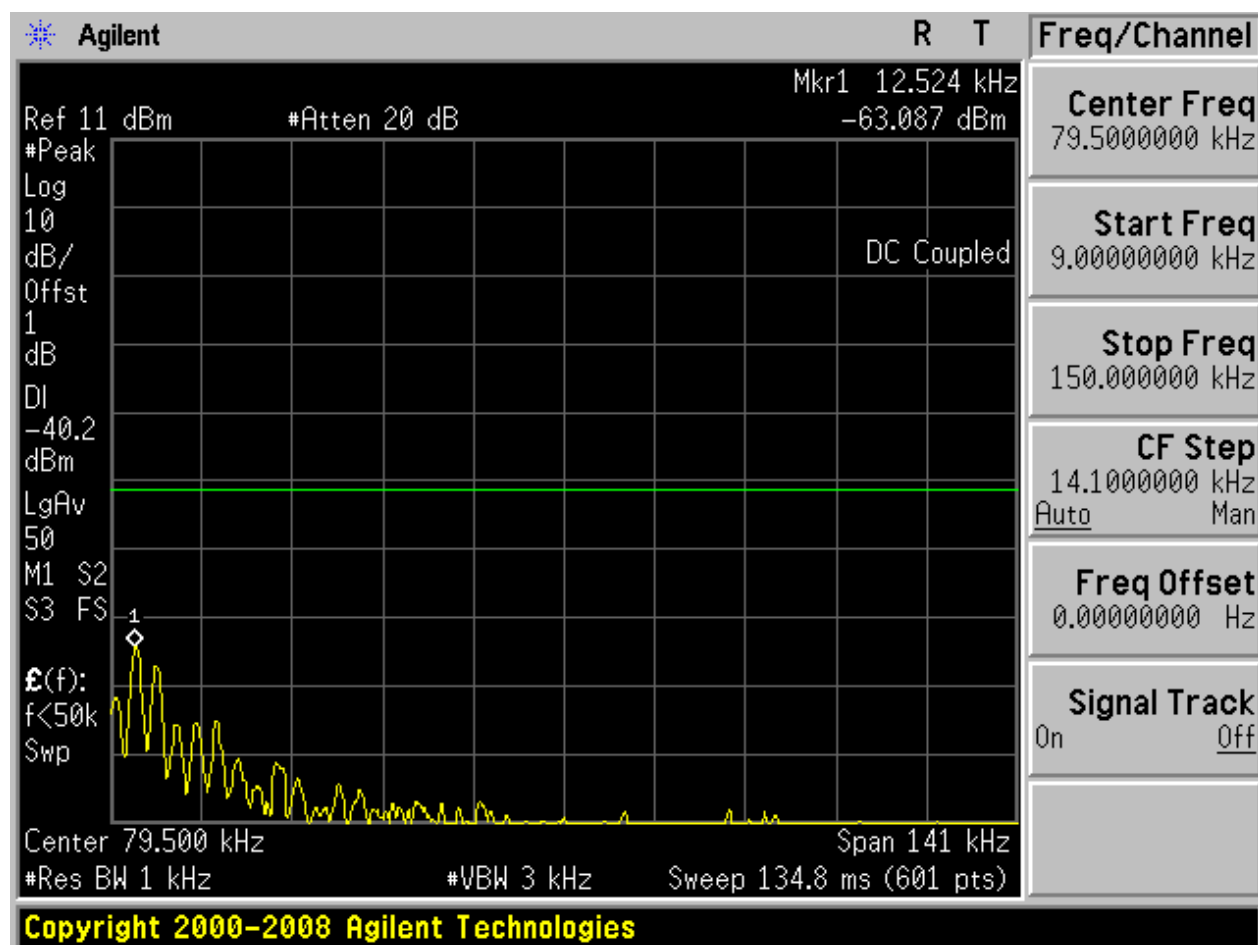


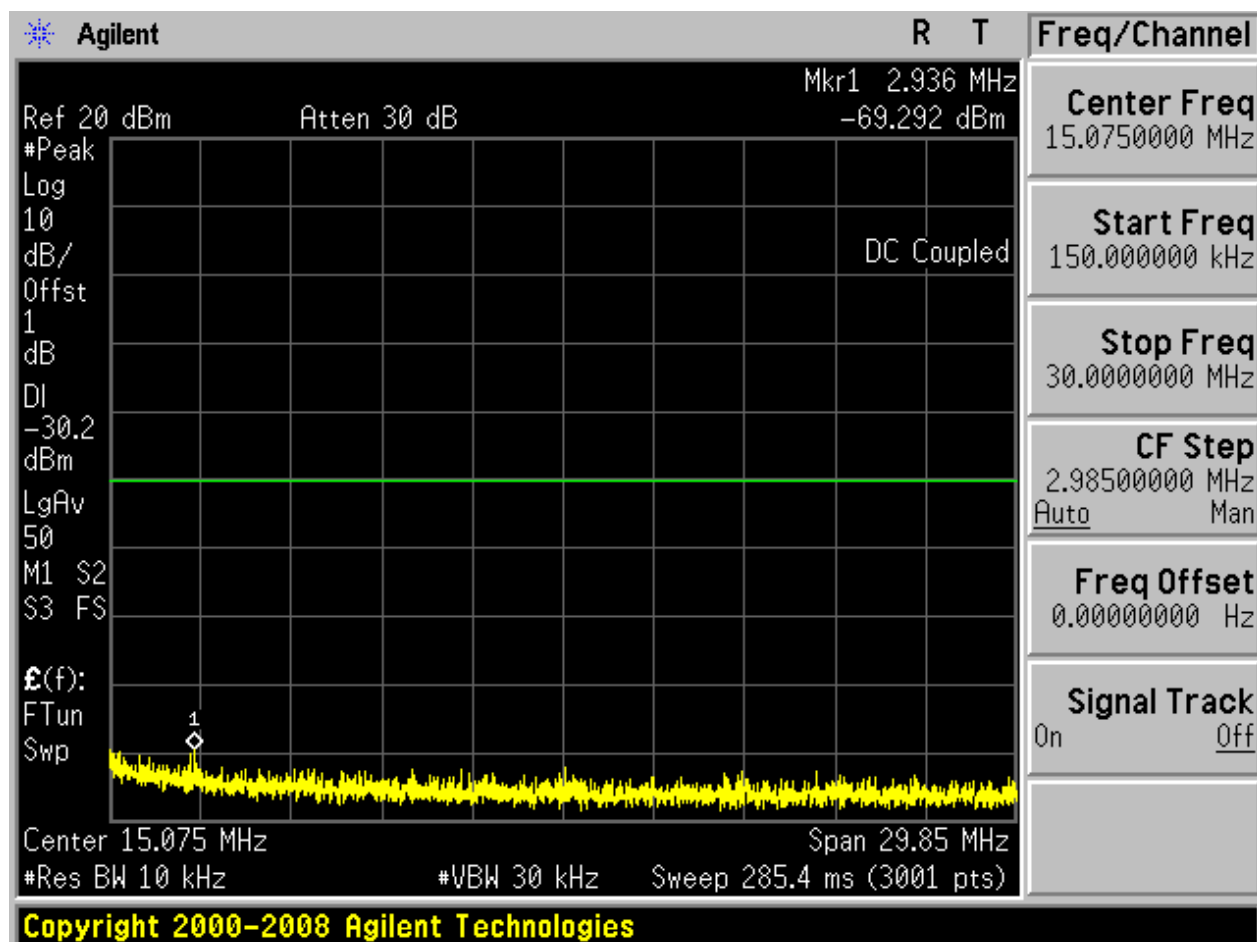
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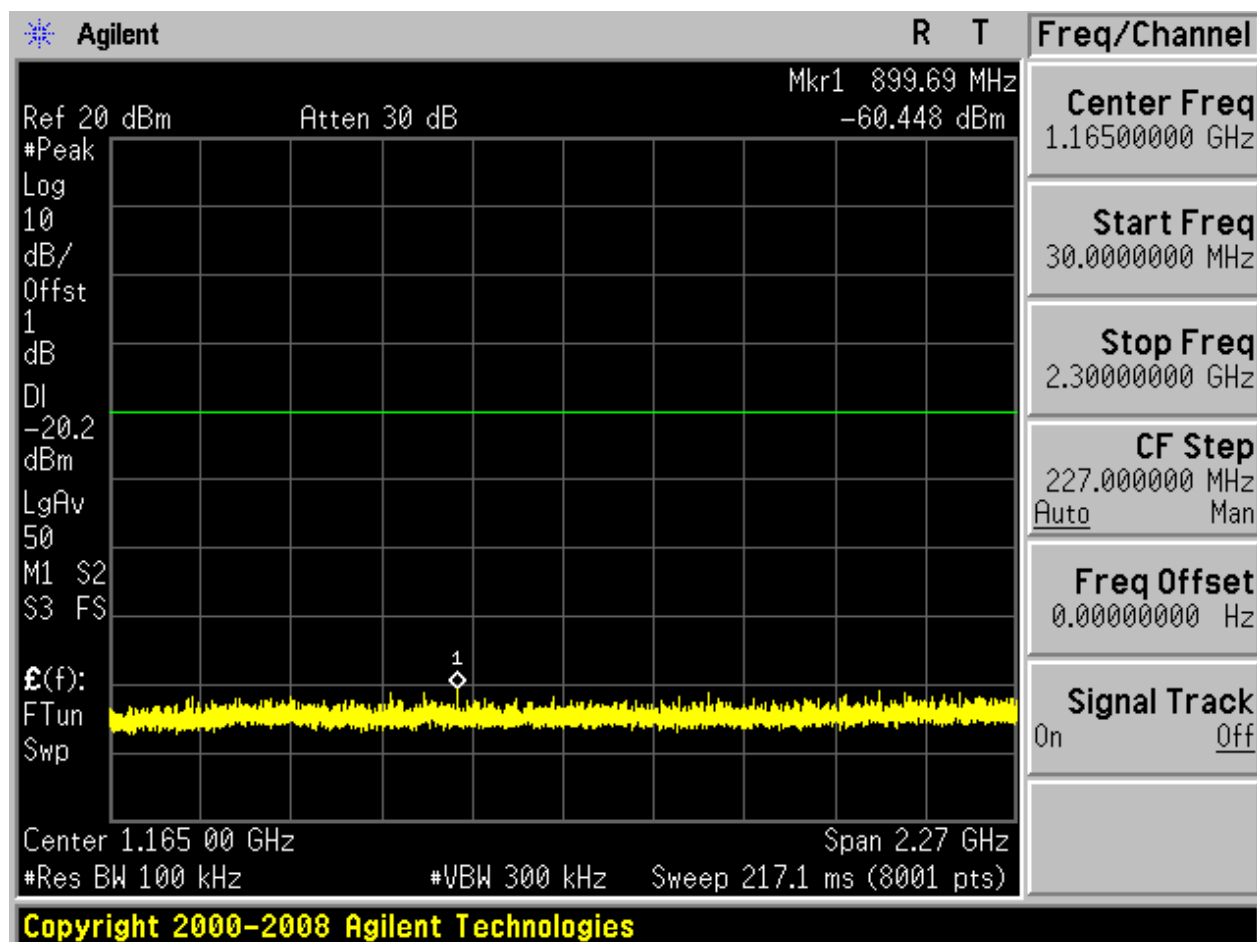
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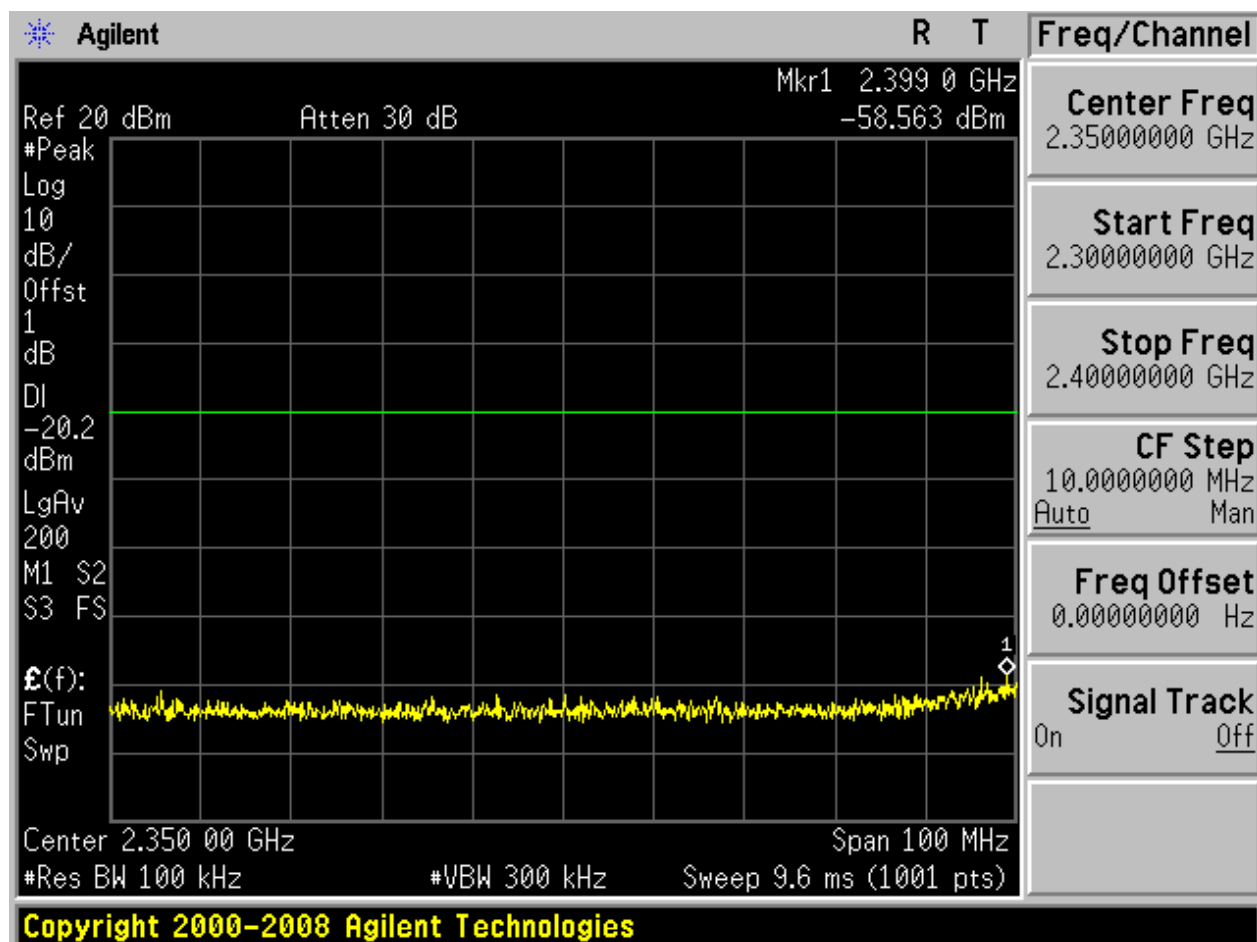


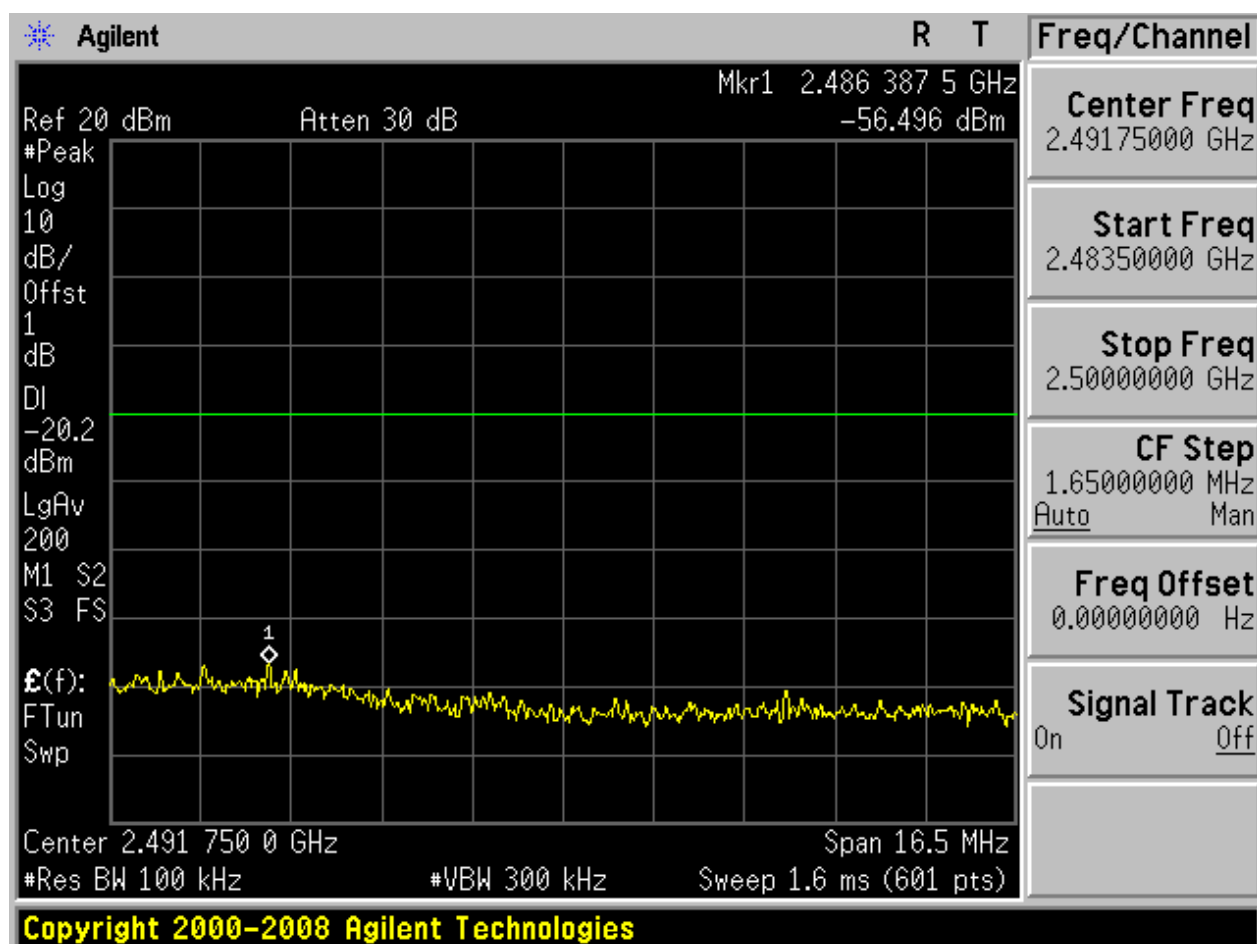
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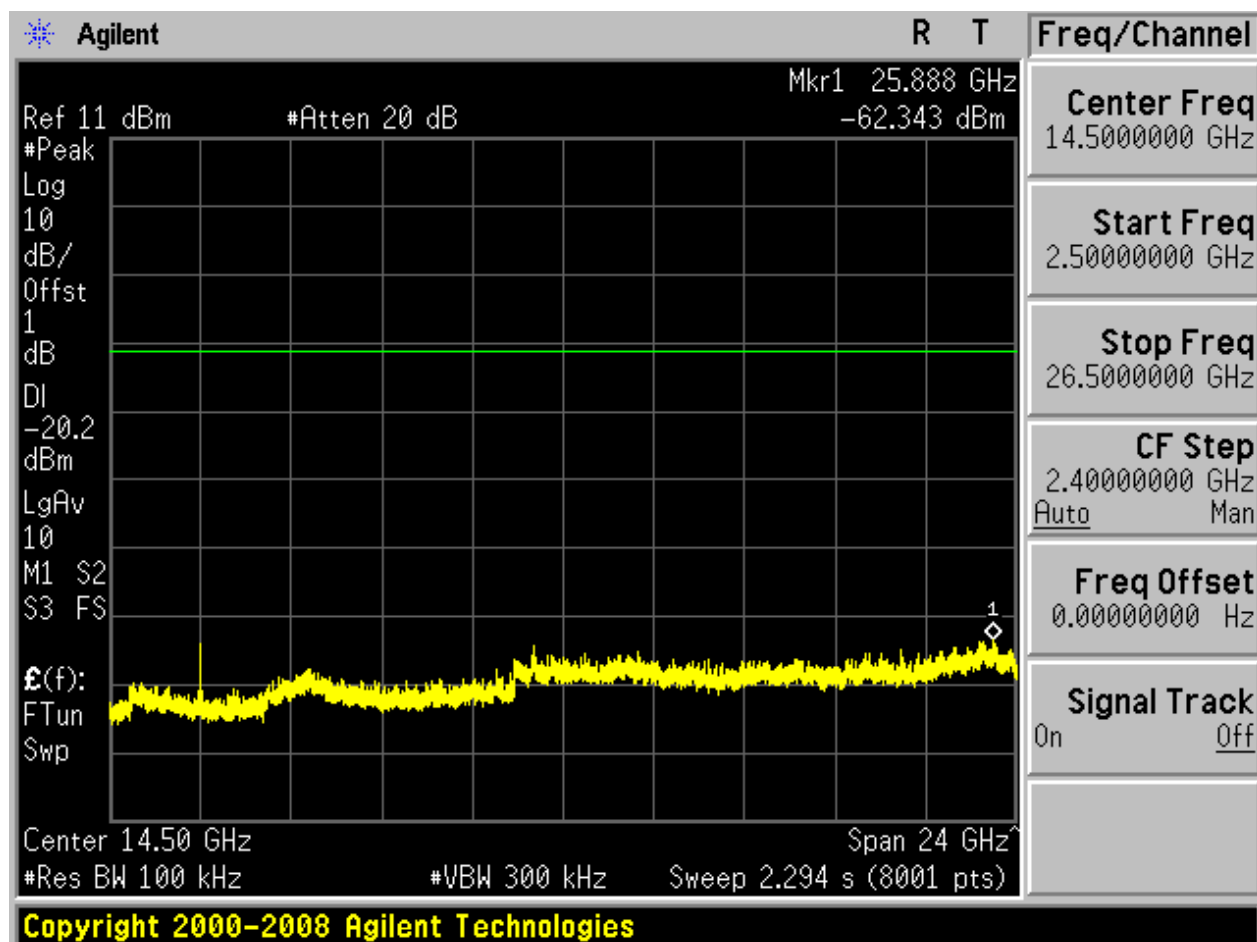






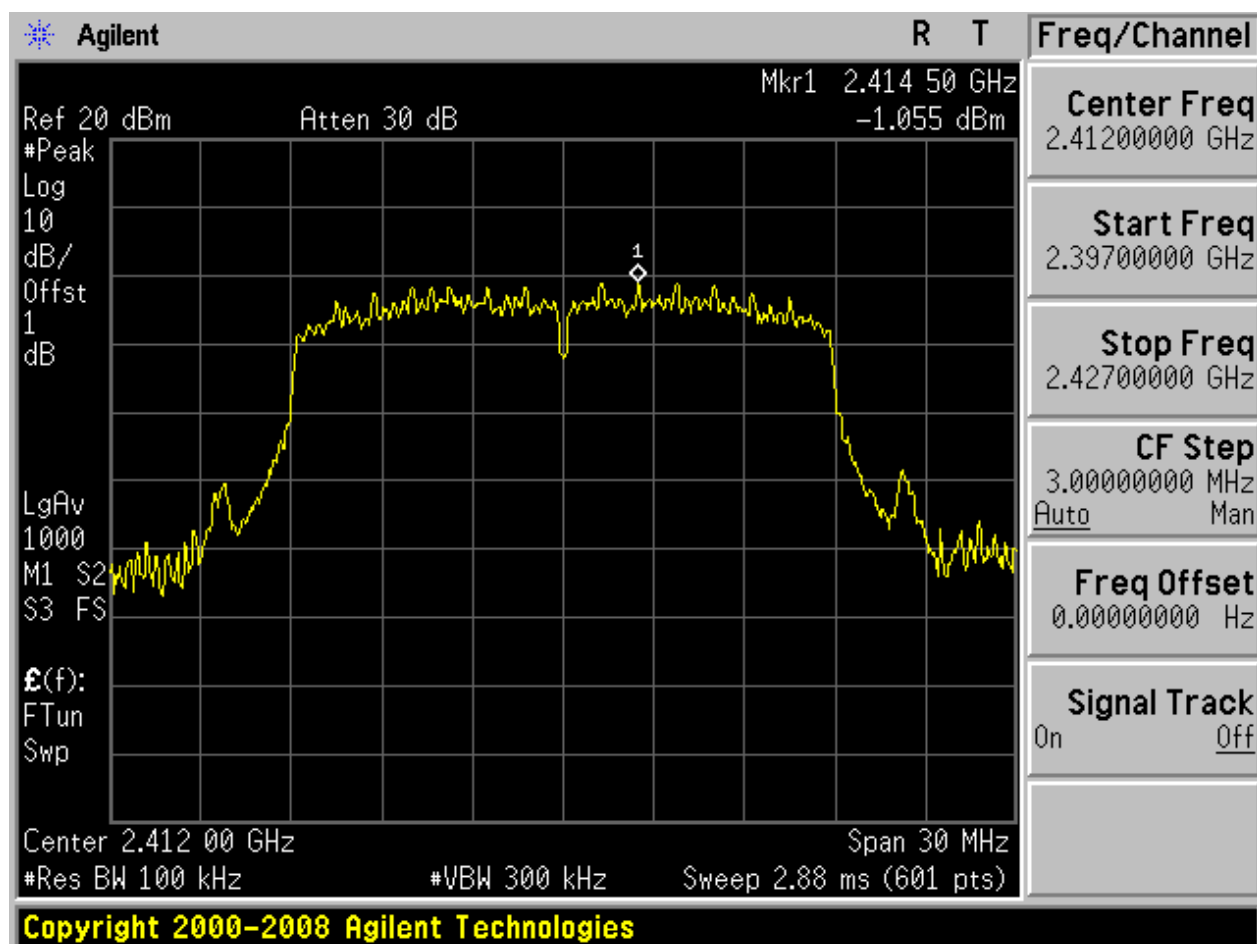




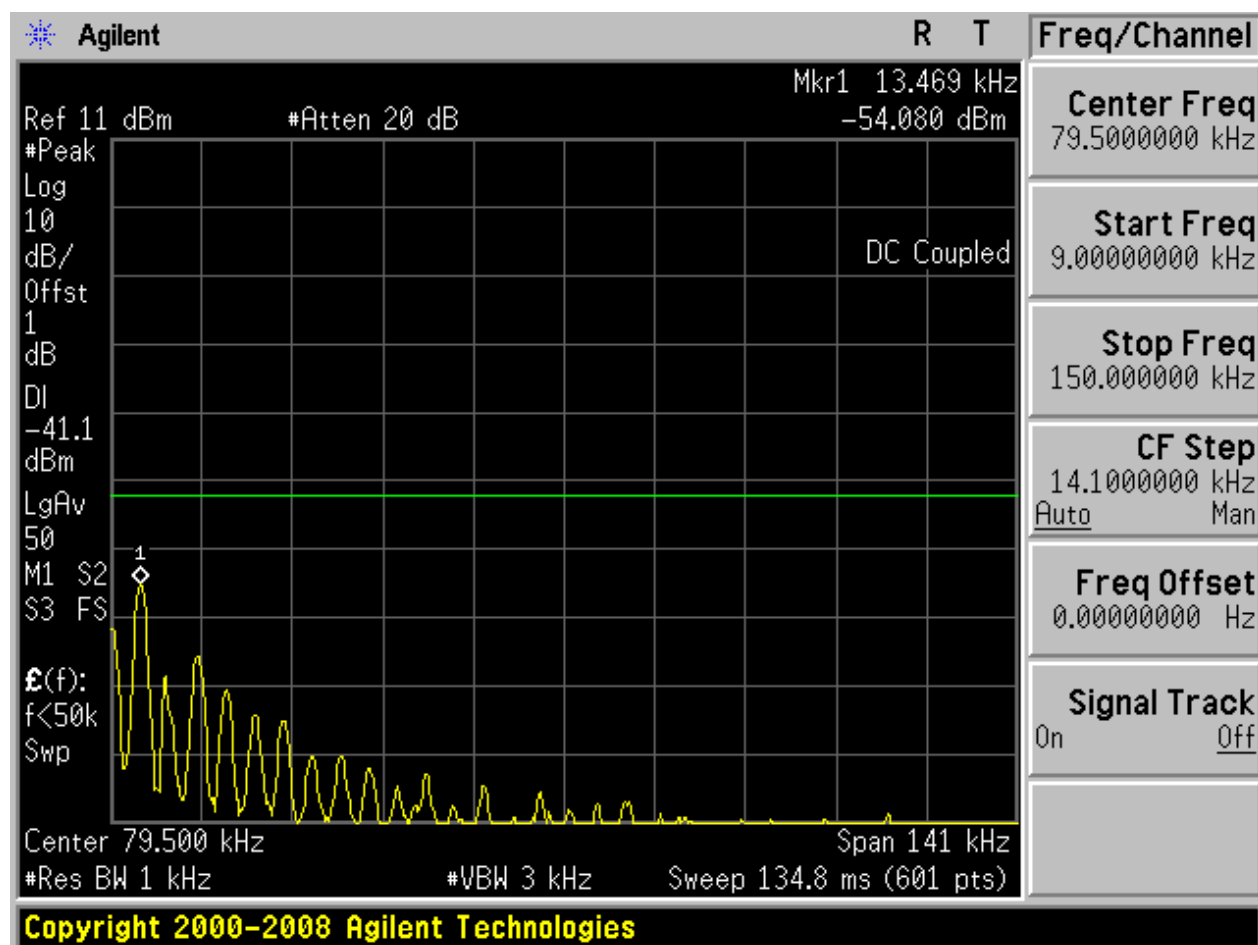


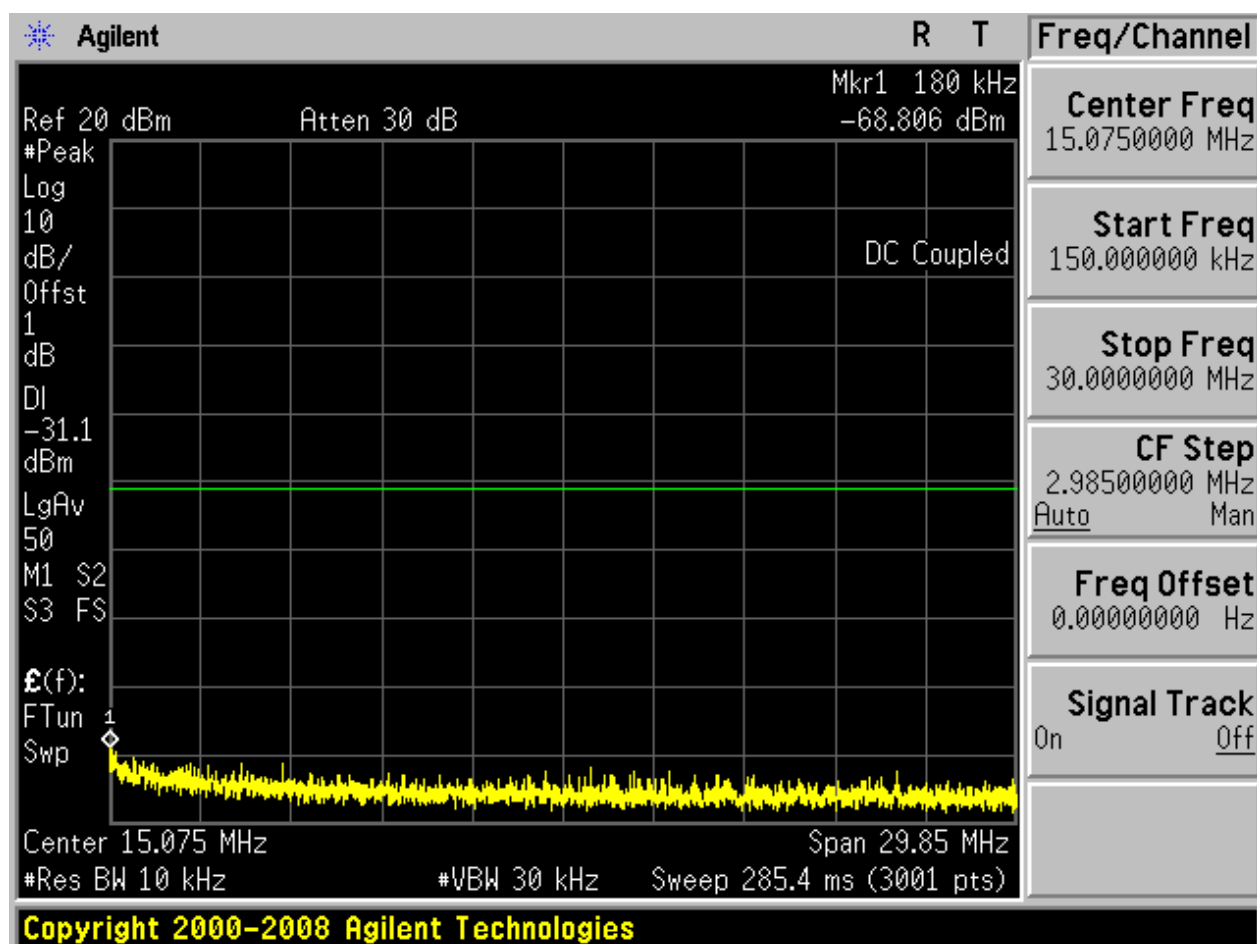
2.19 11N20m_L@Ant 1

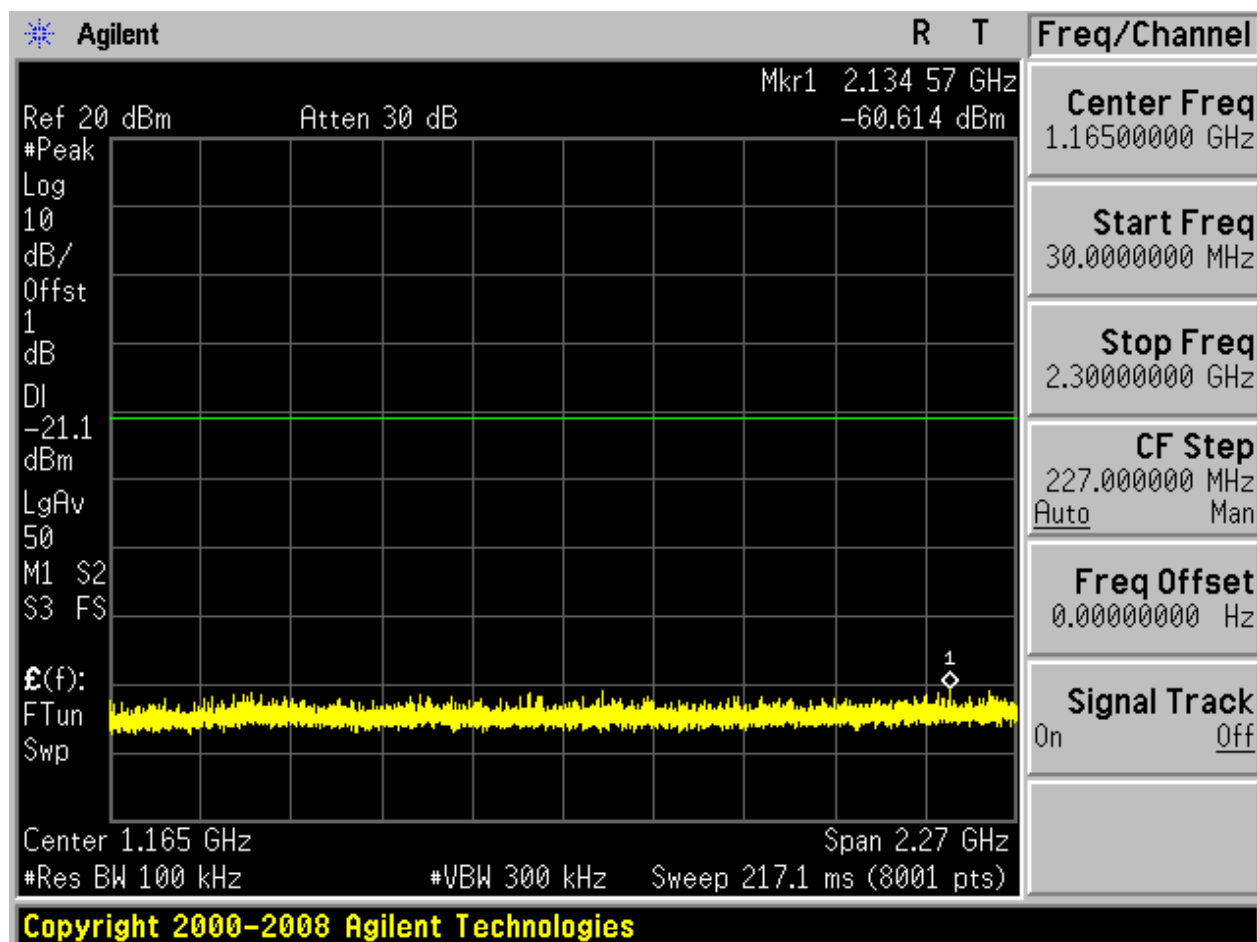
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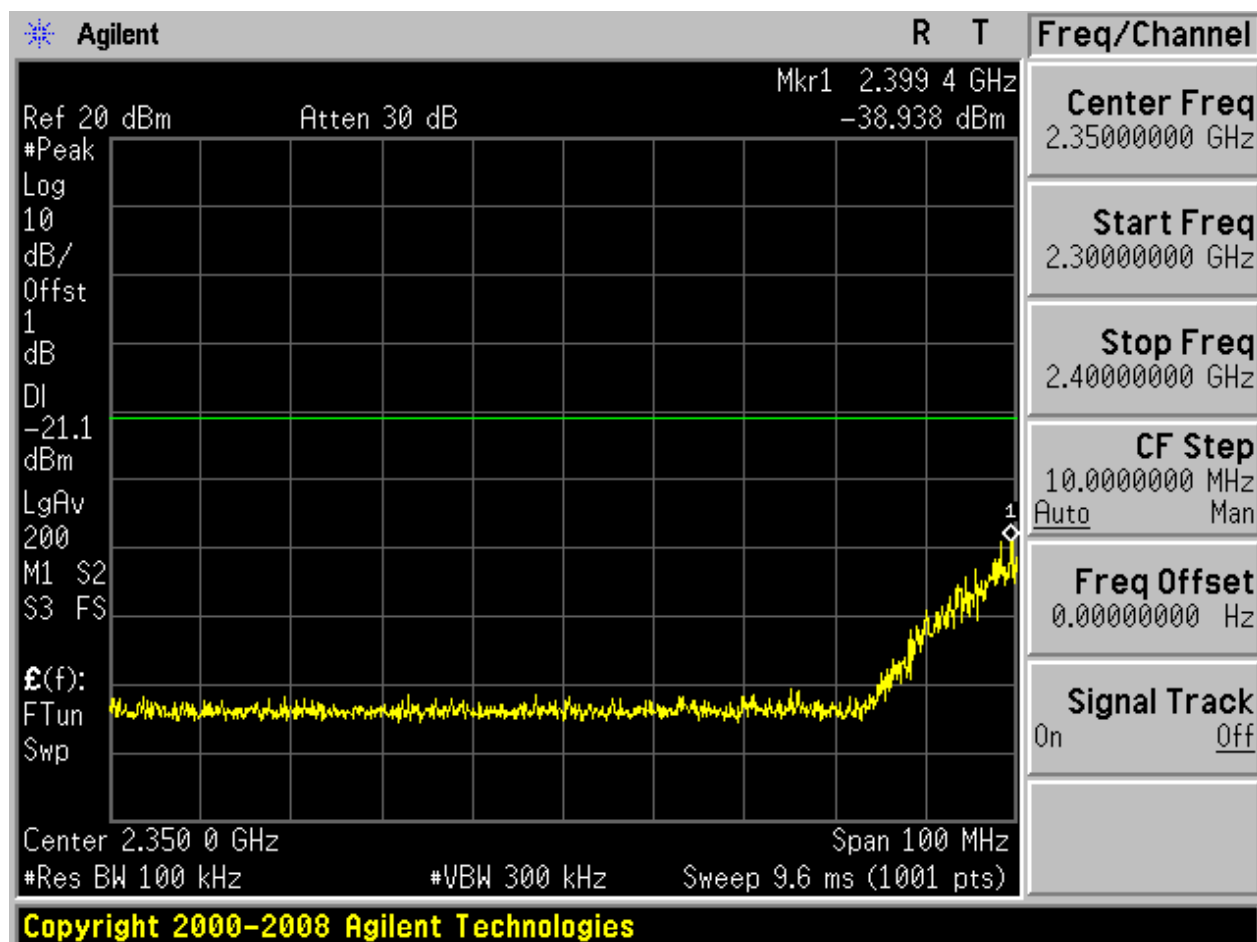


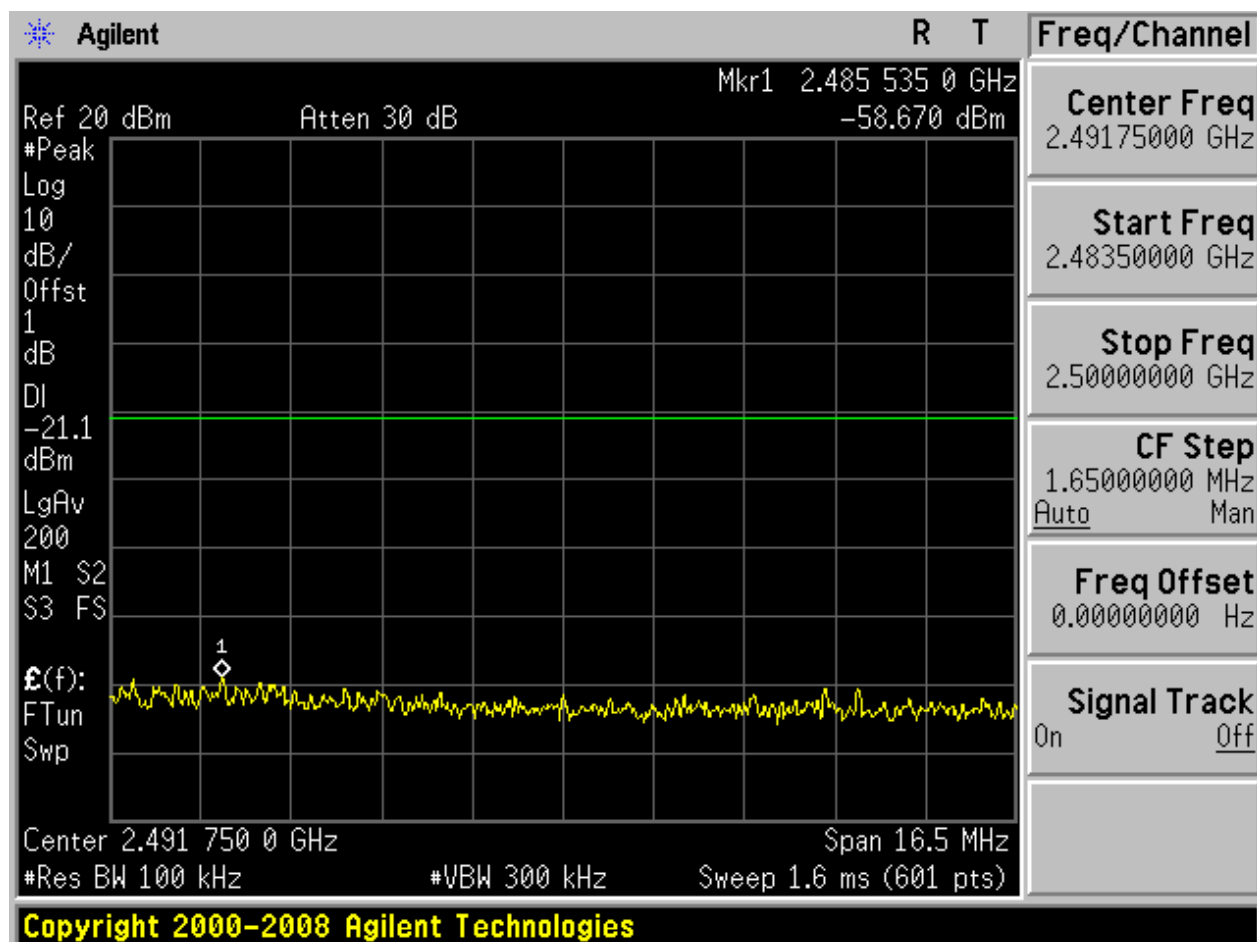
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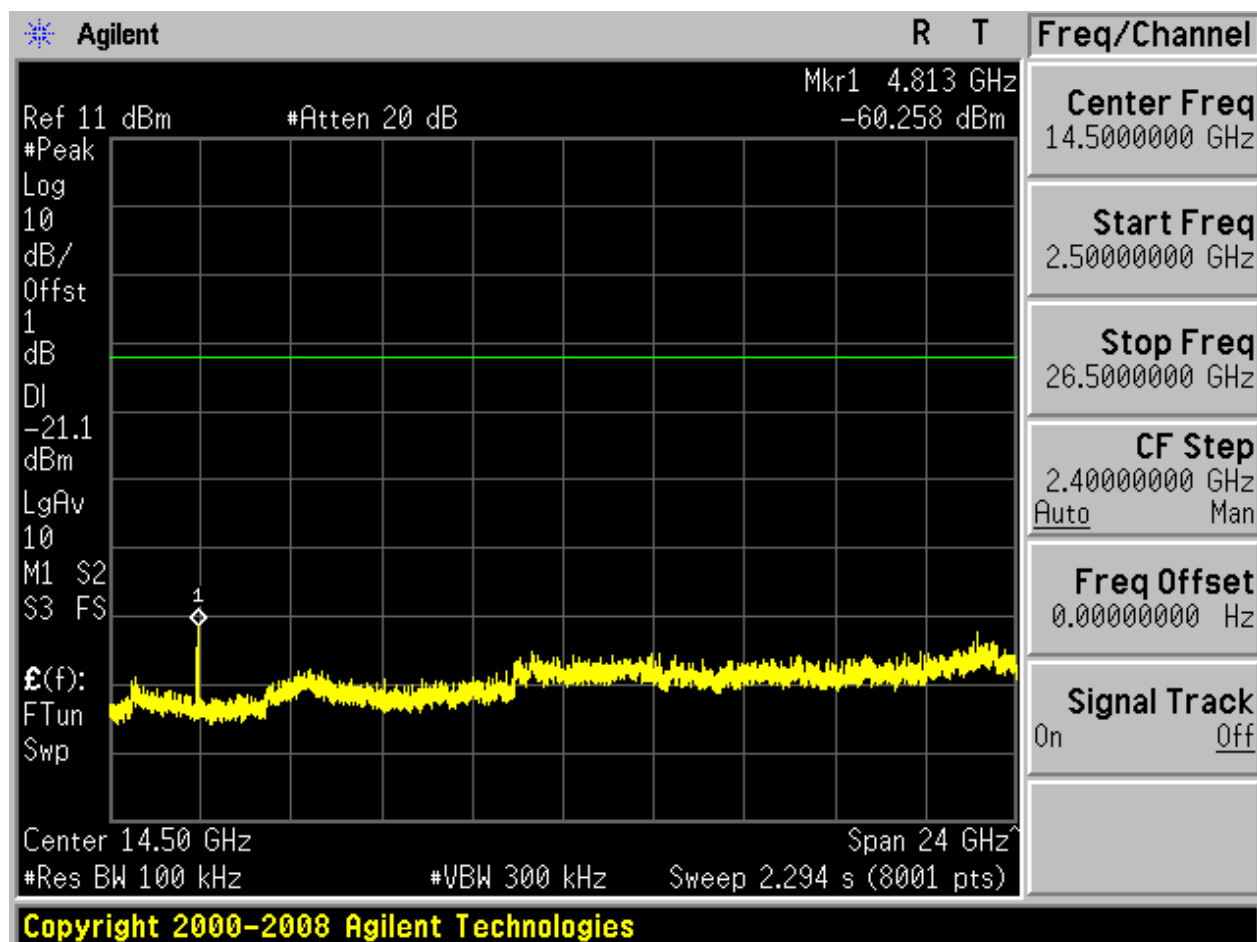








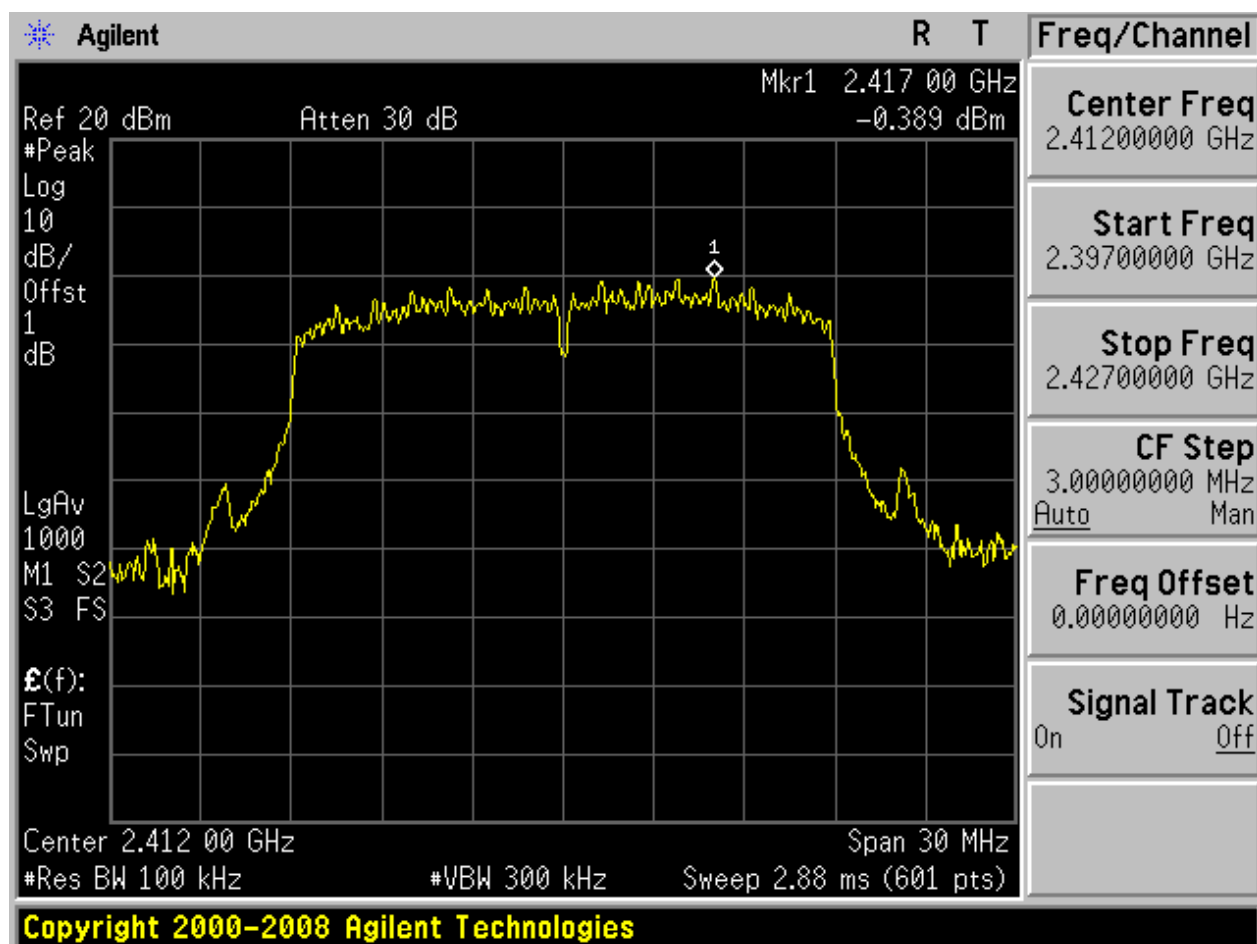




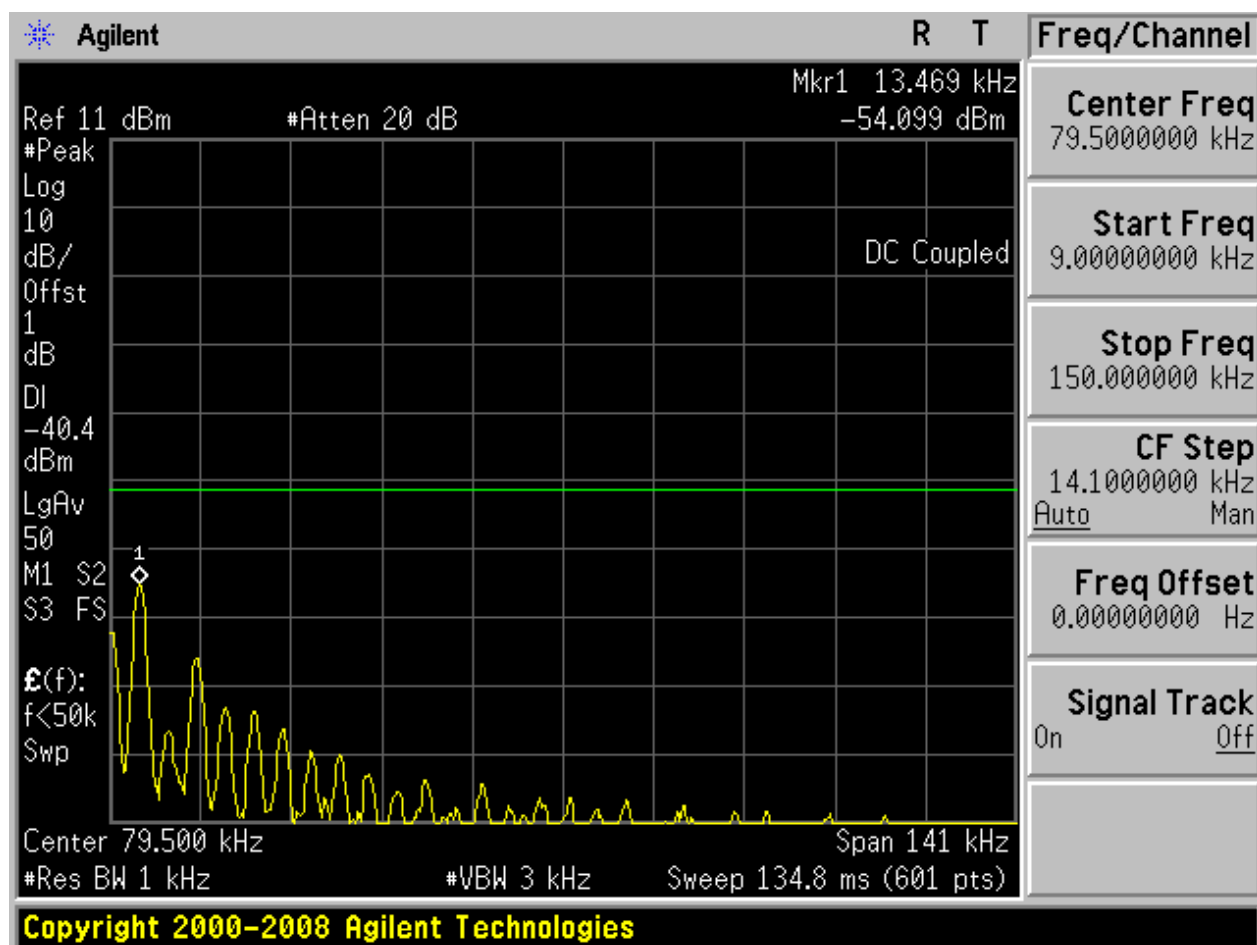


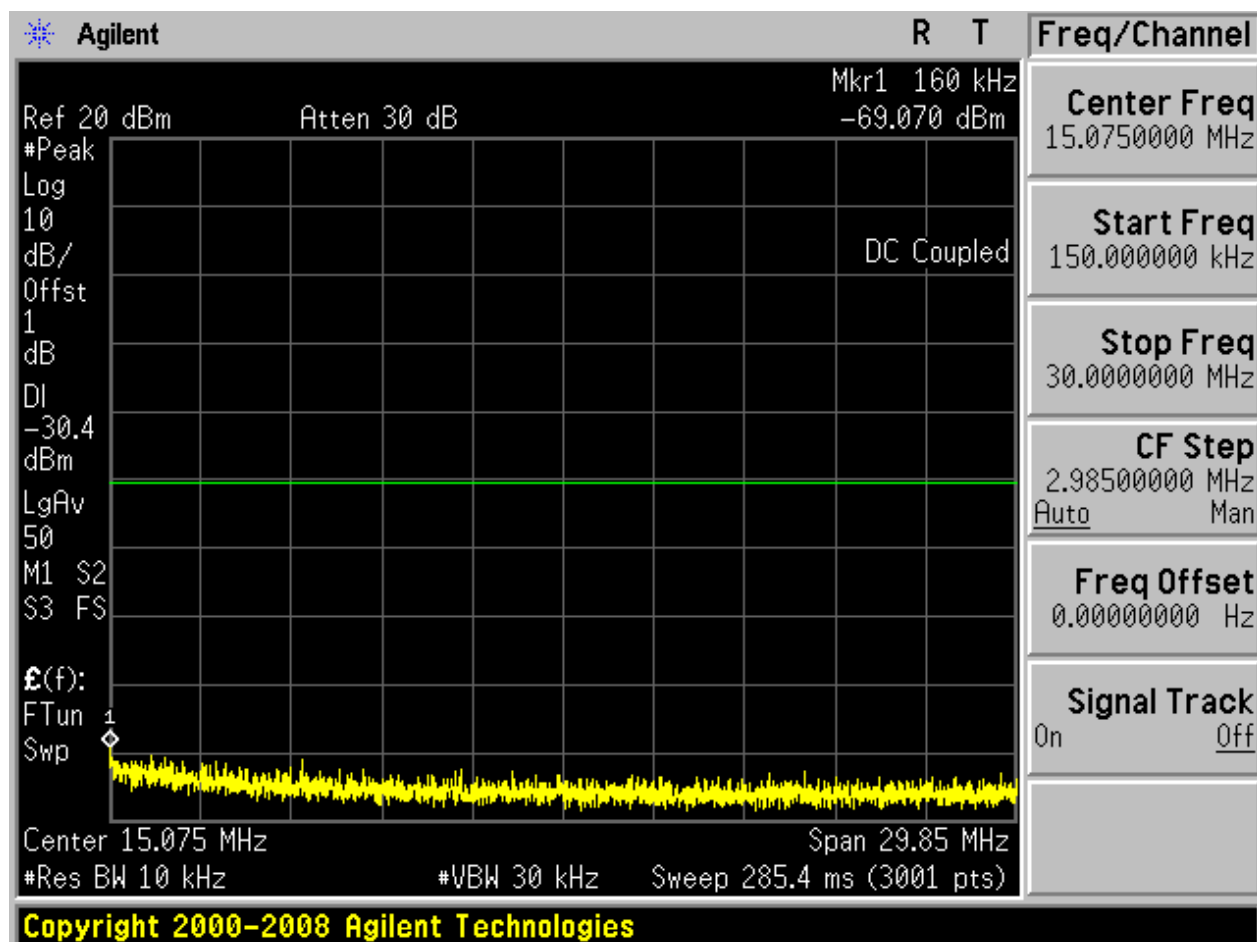
2.20 11N20m_L@Ant 2

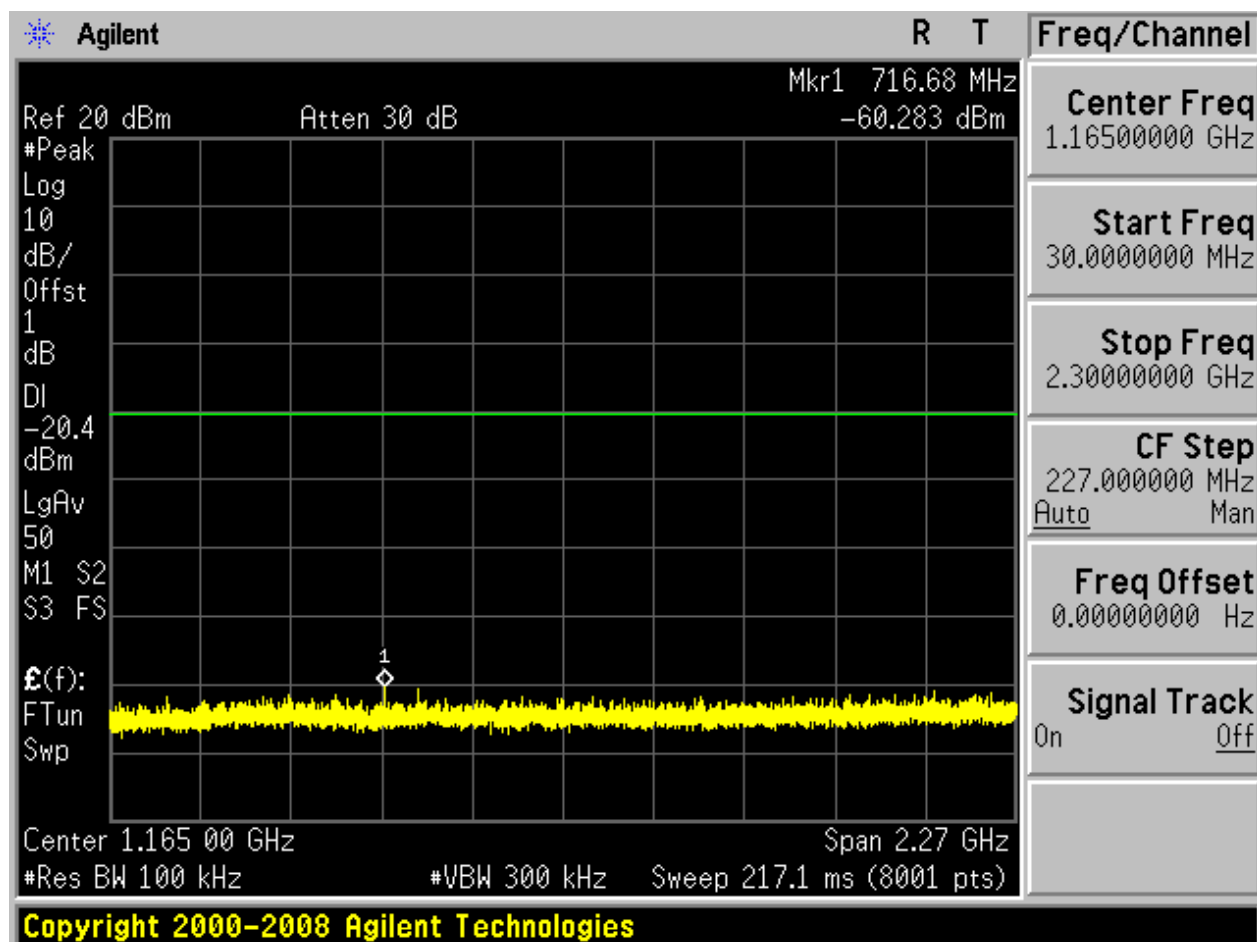
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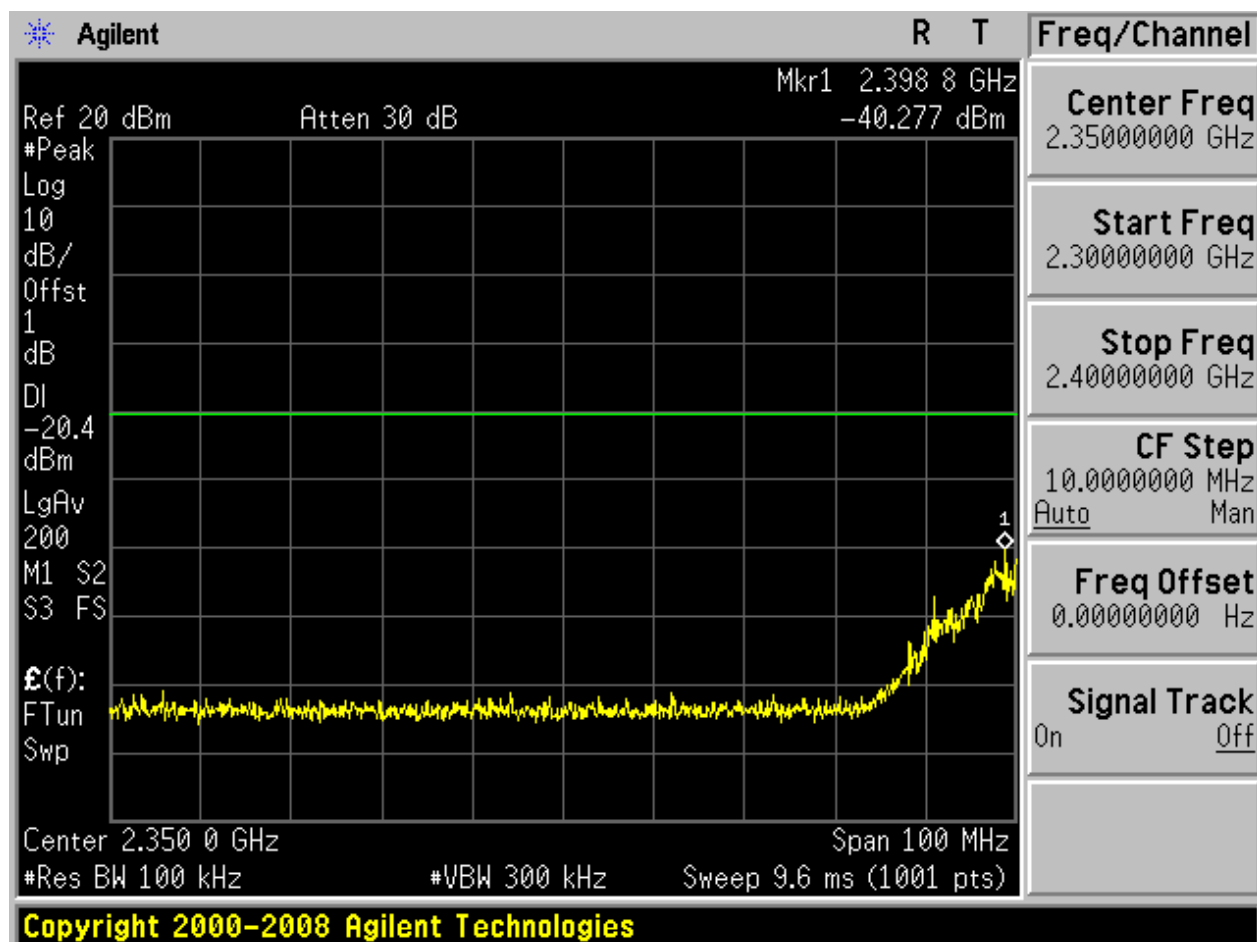


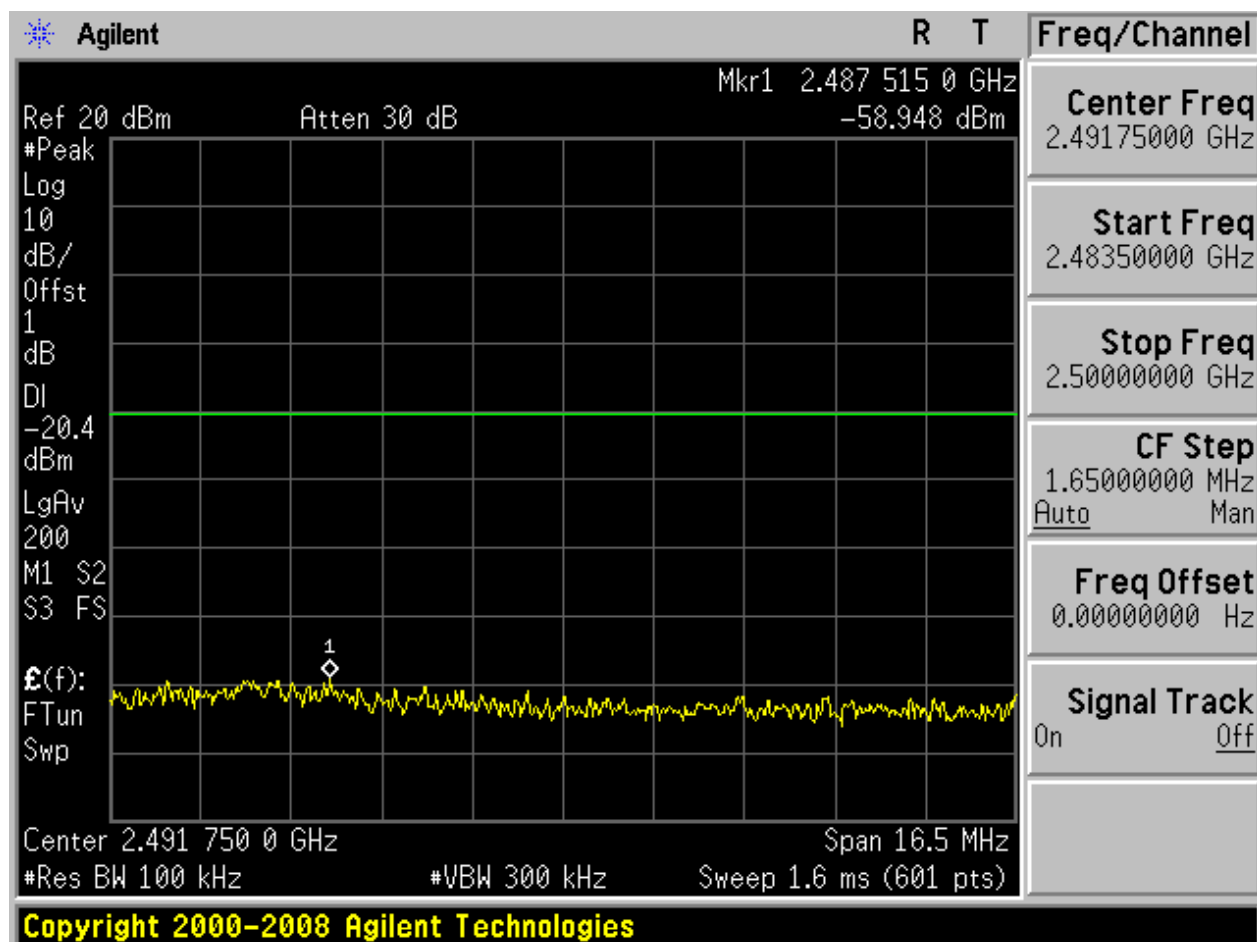
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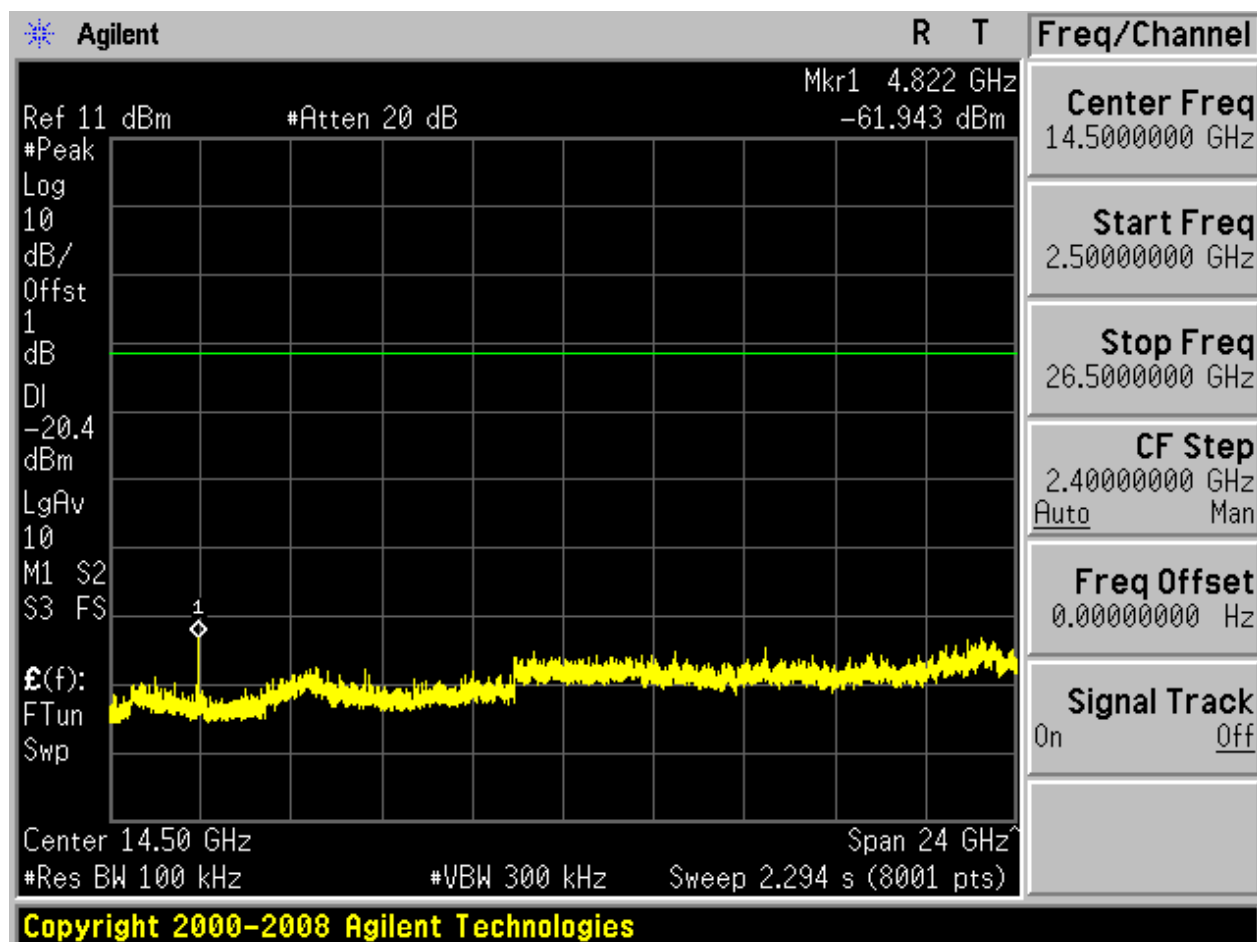






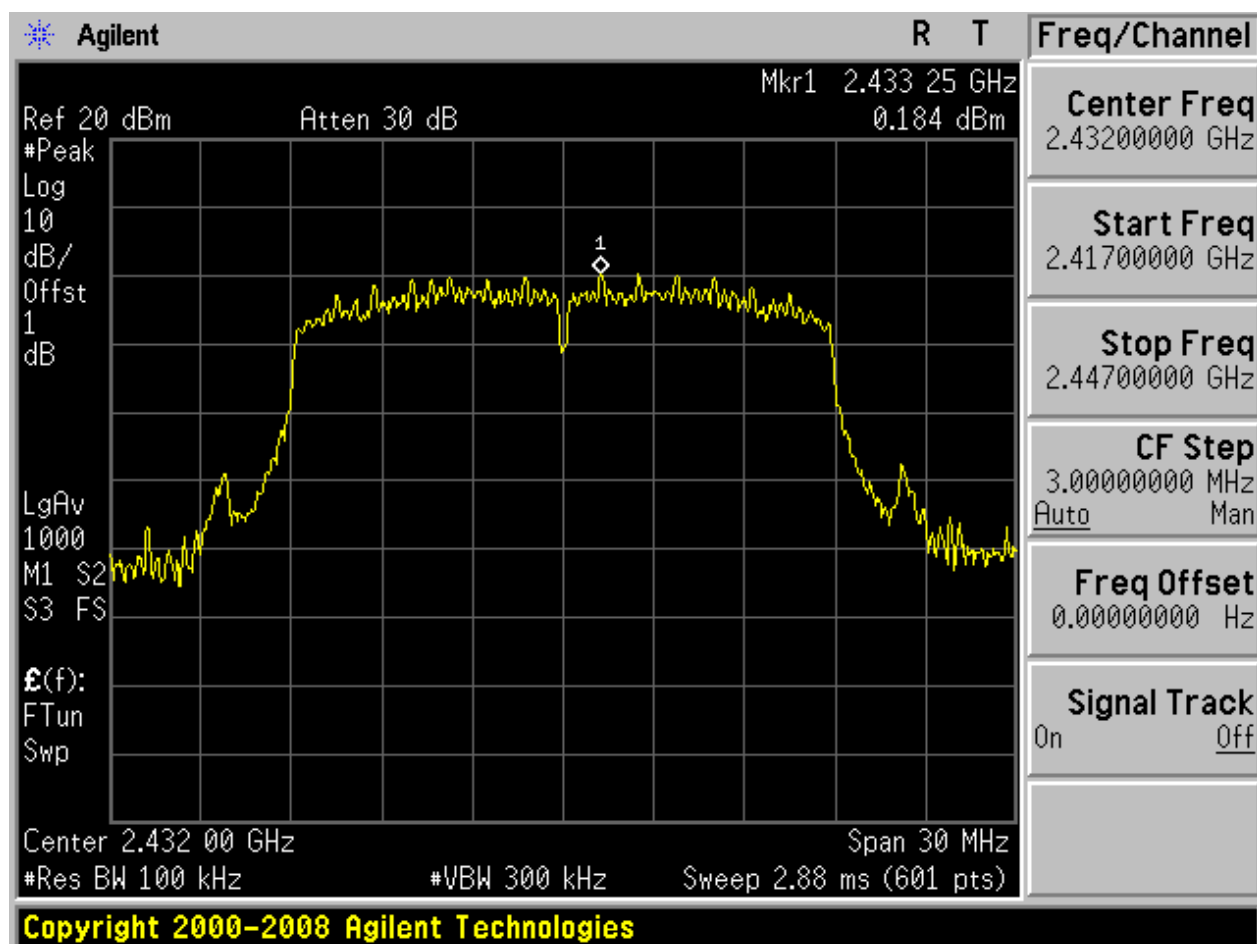




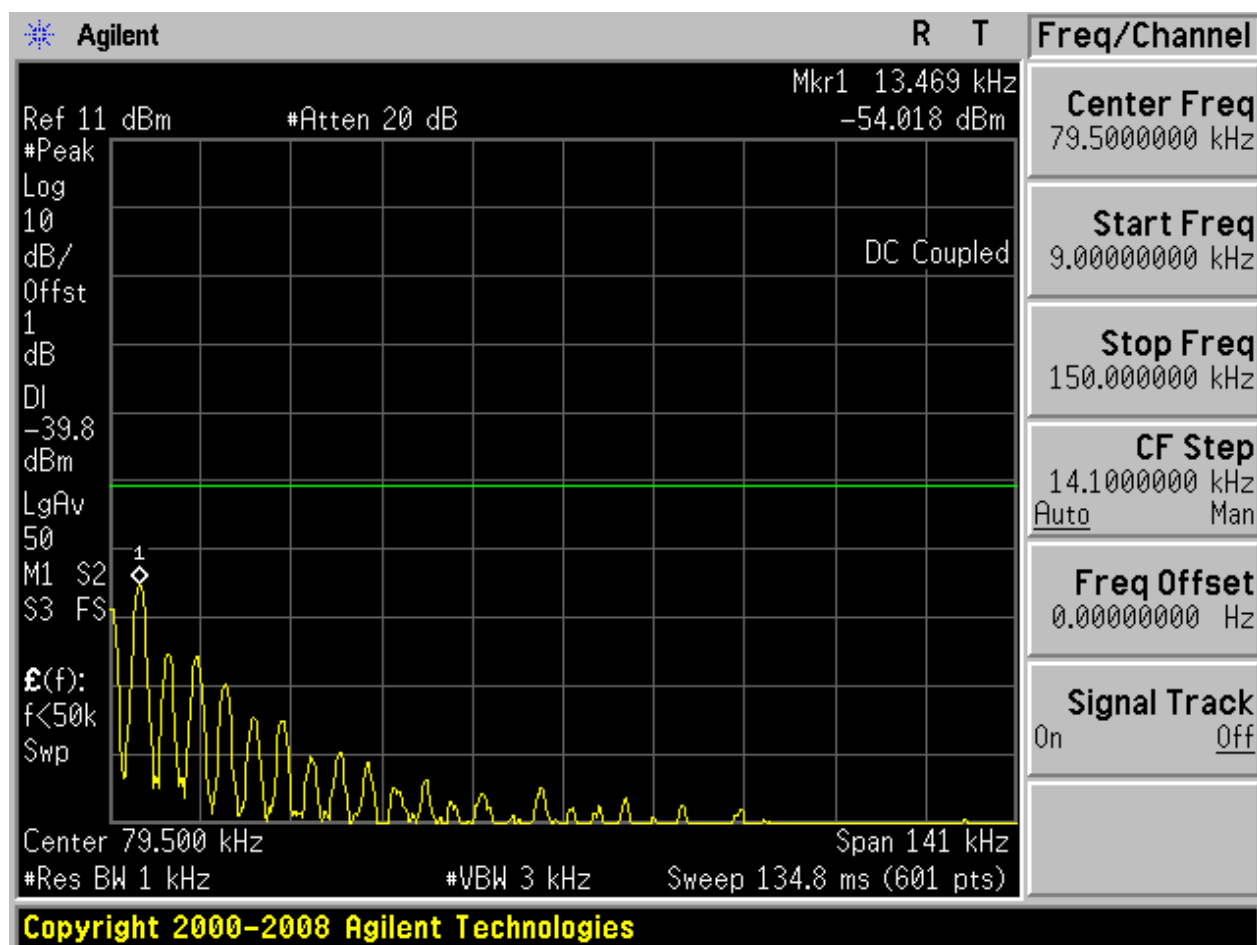


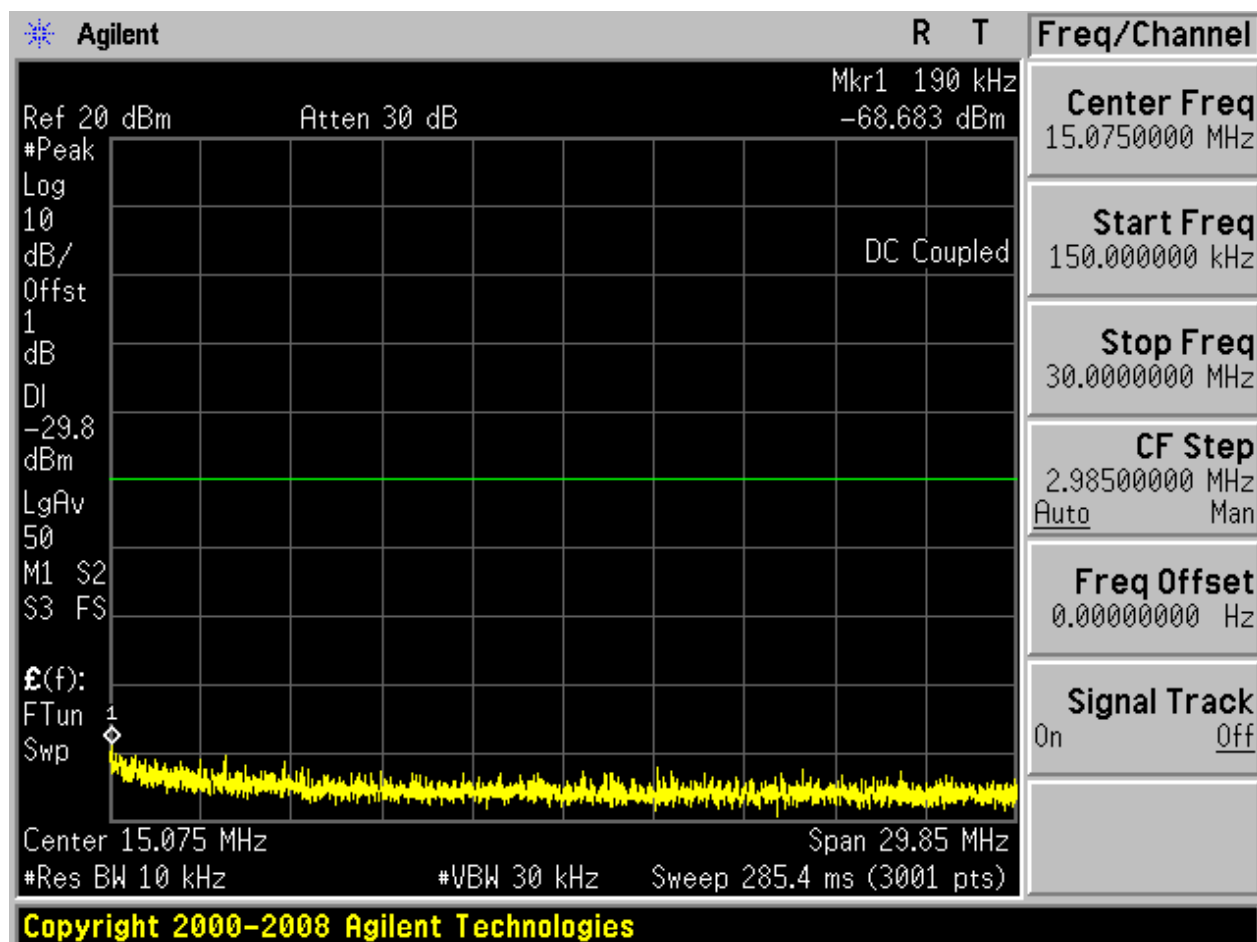
2.21 11N20m_M@Ant 1

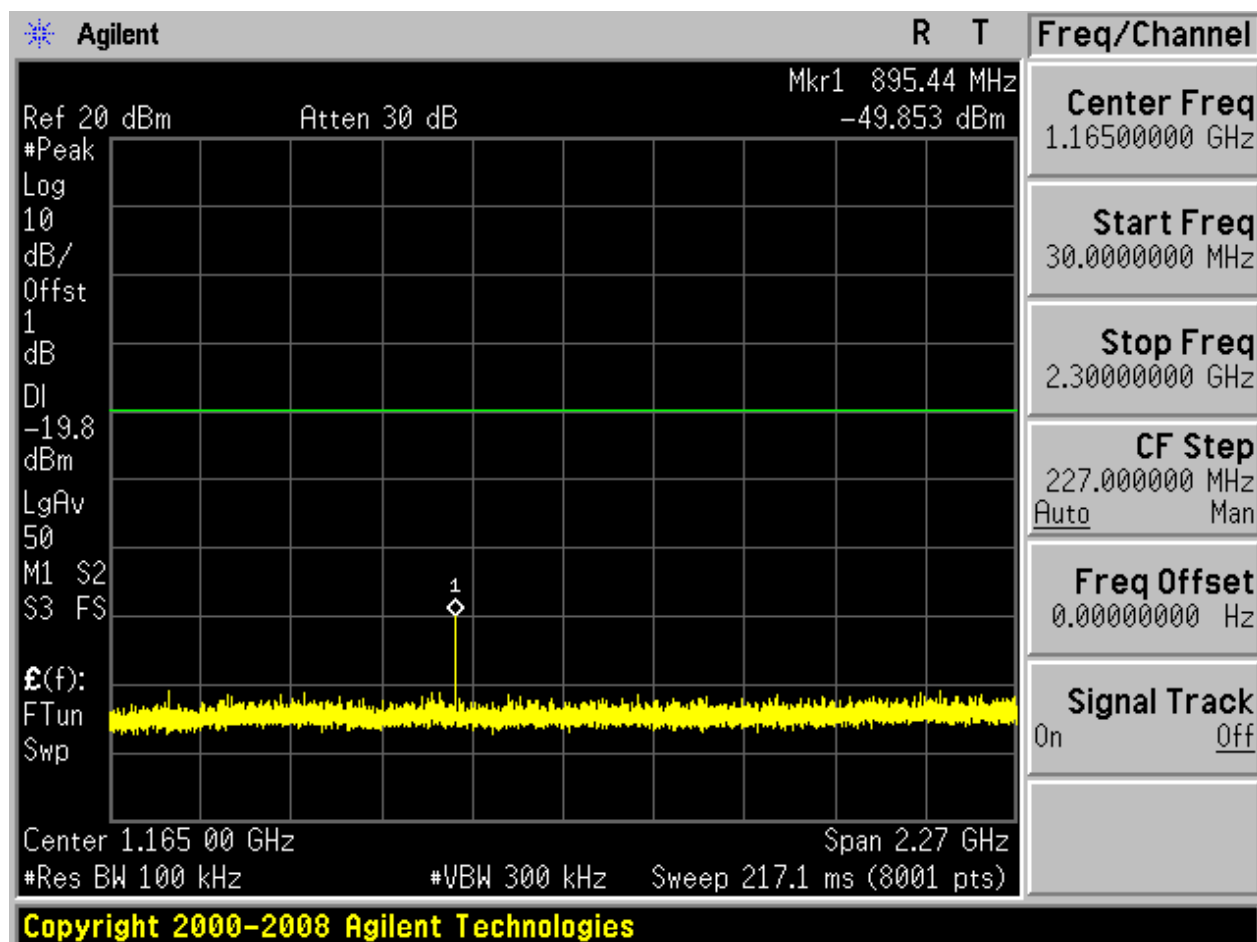
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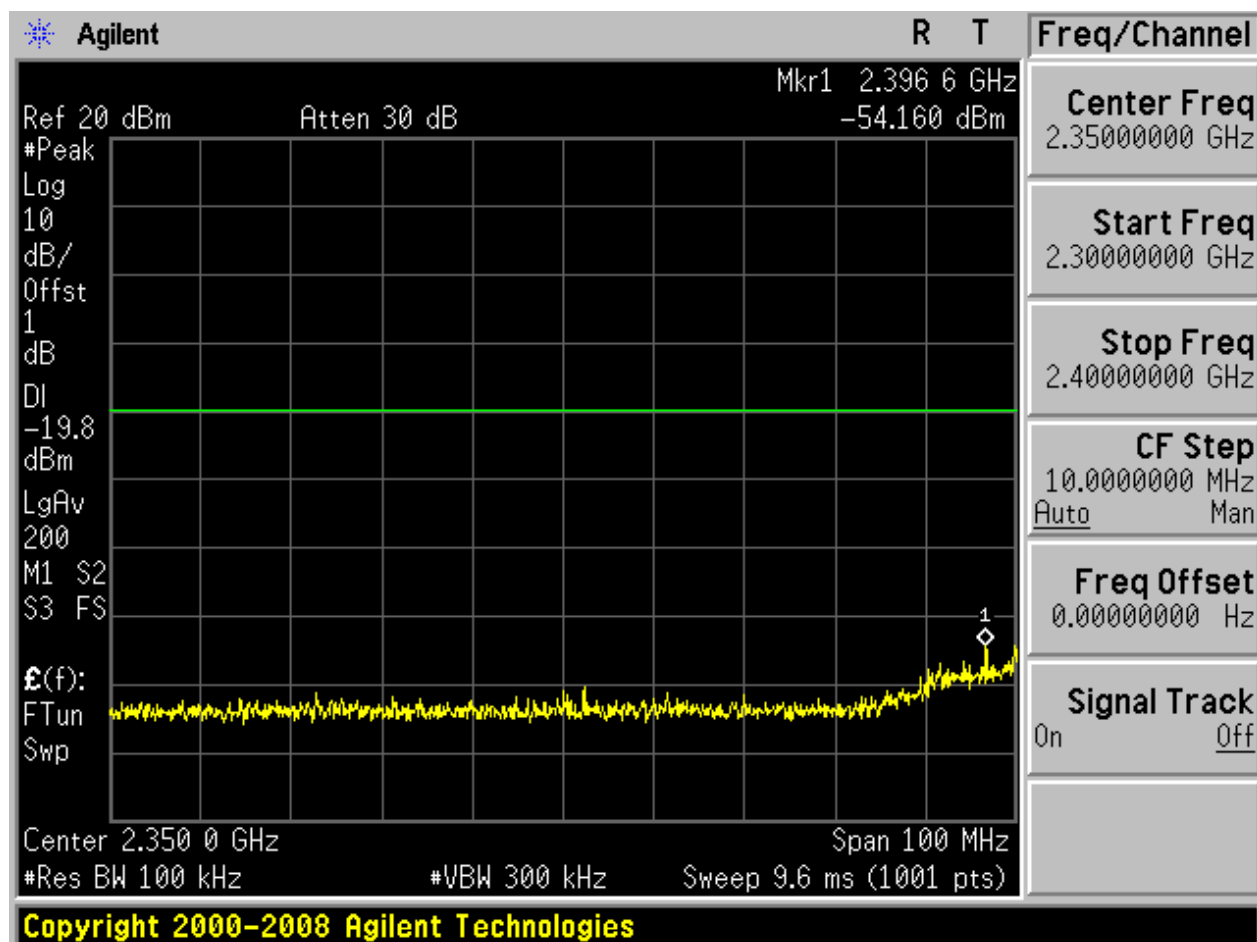


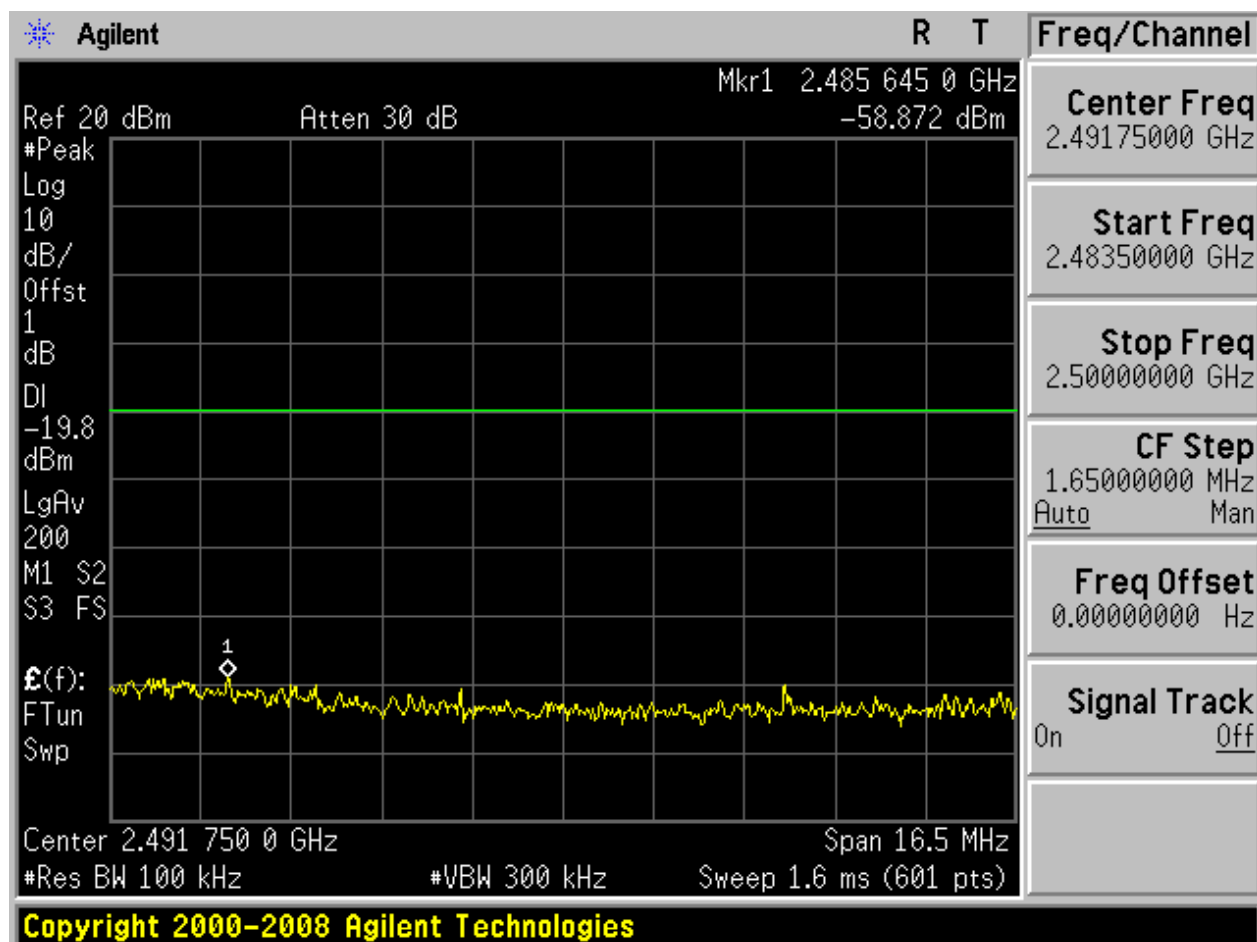
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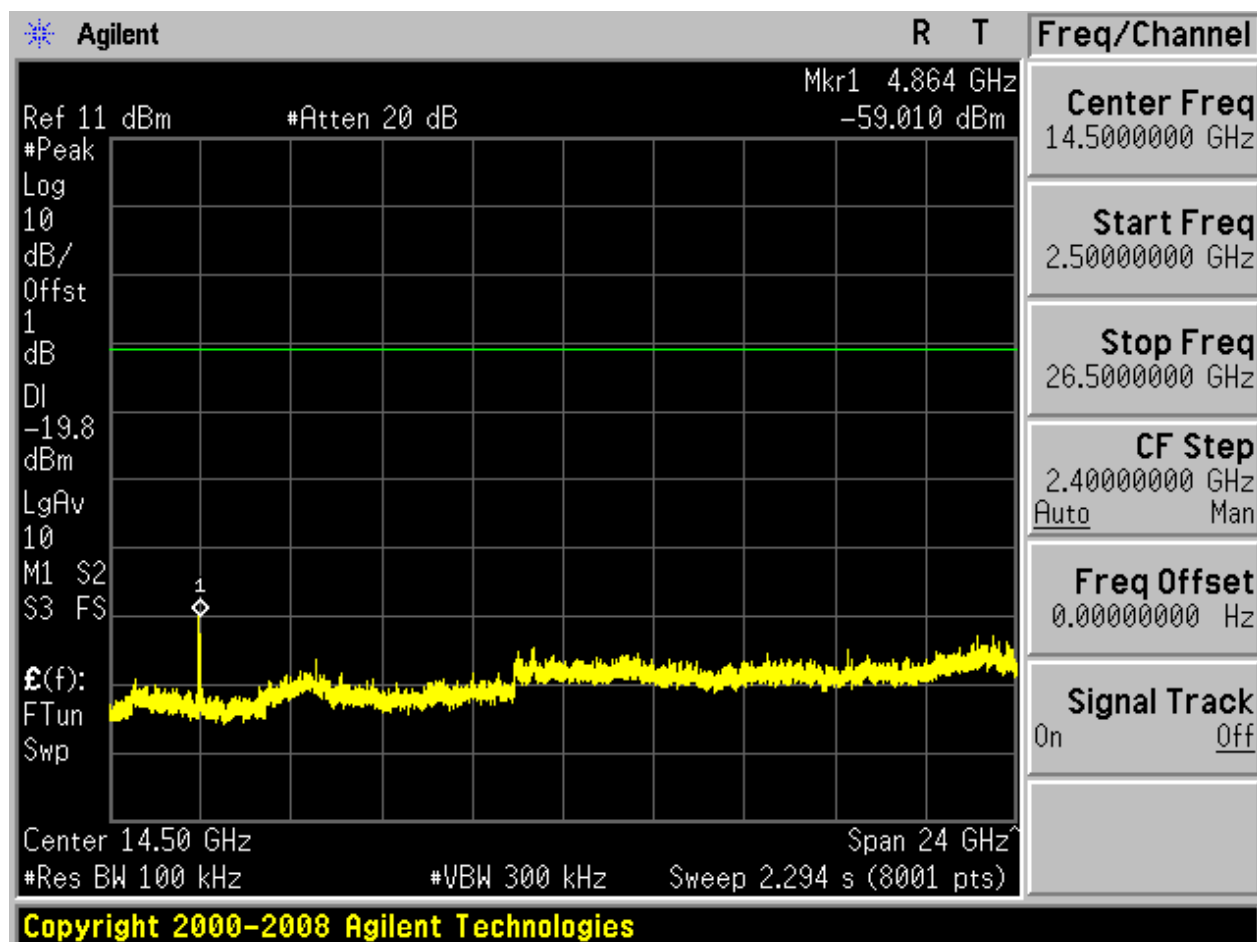








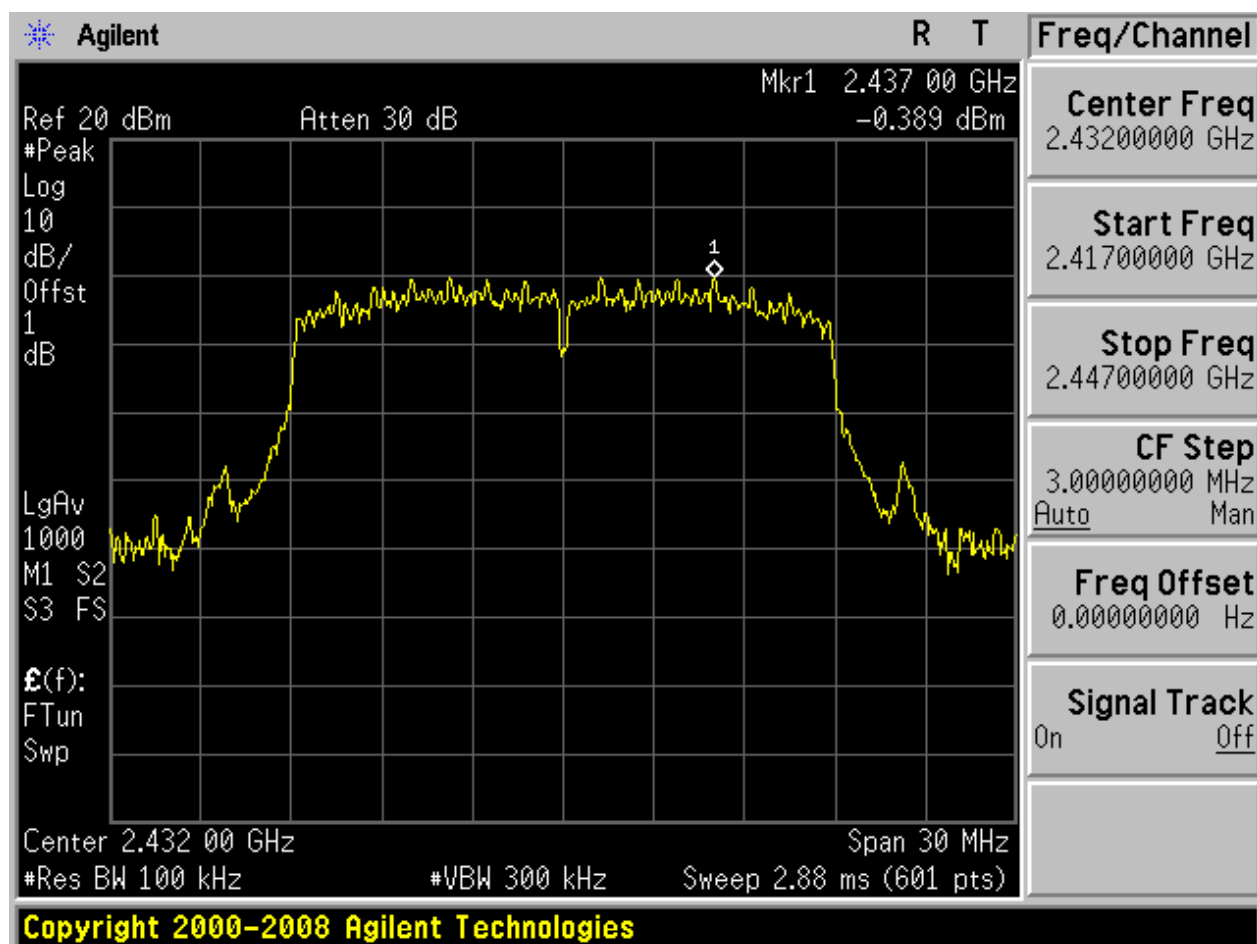






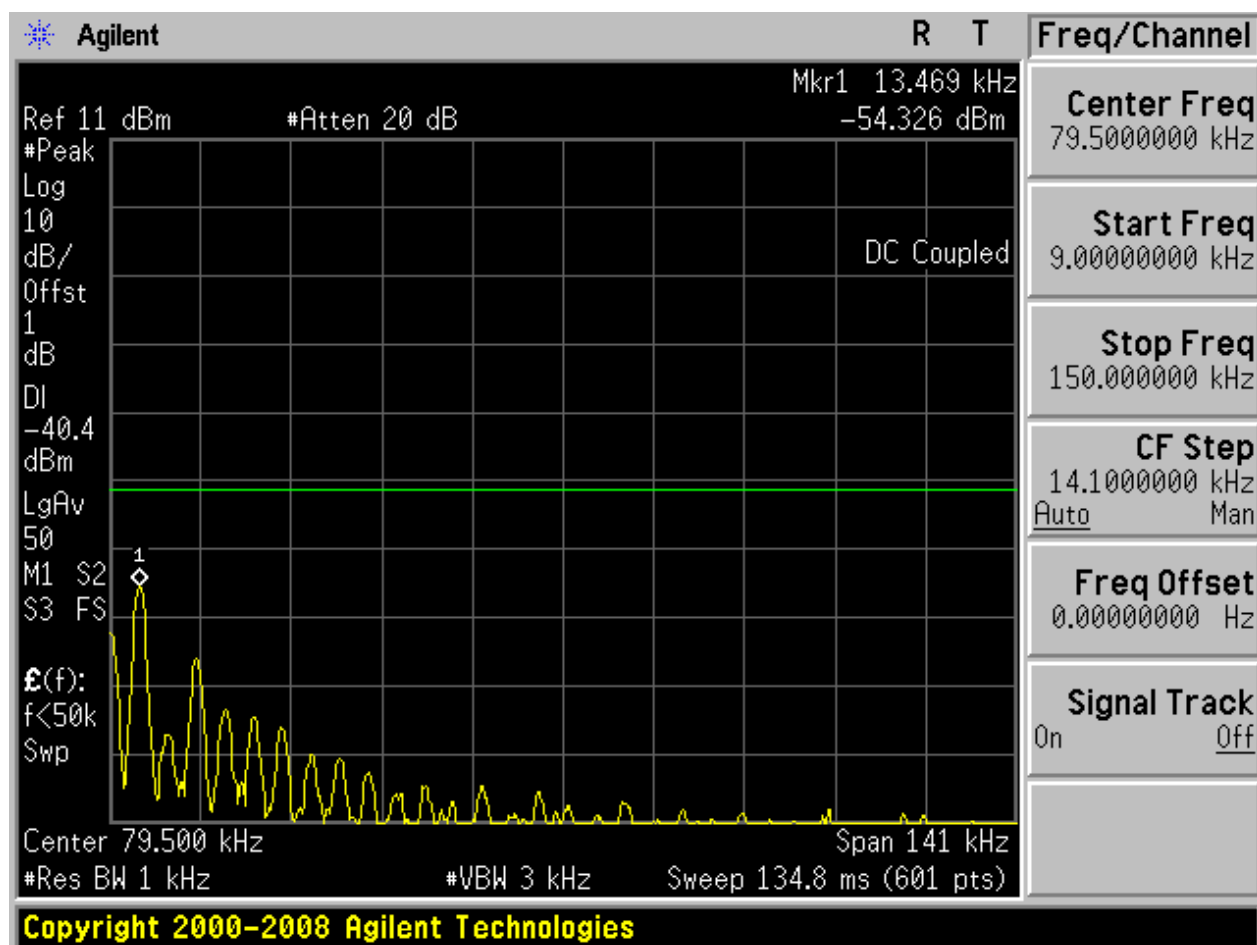
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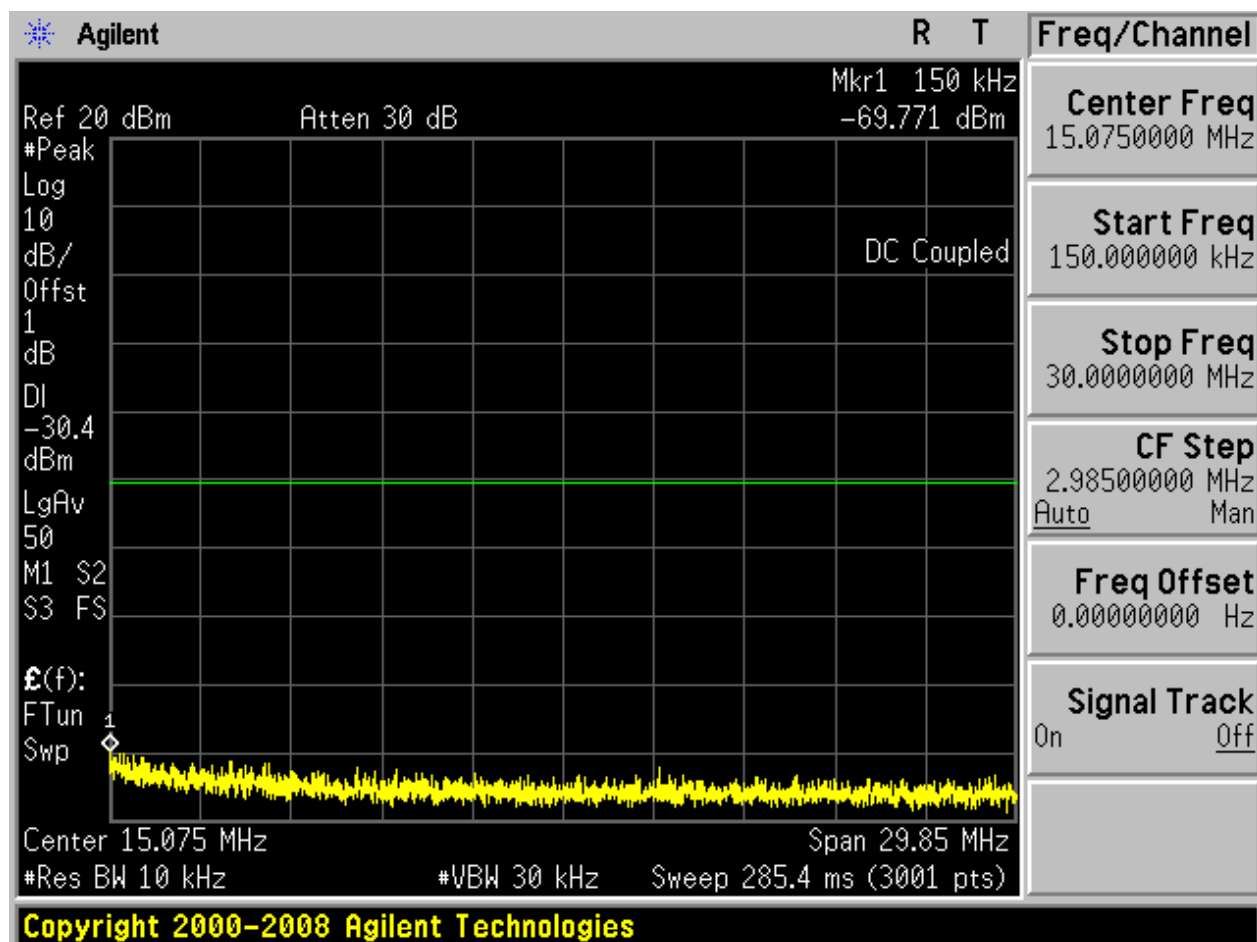
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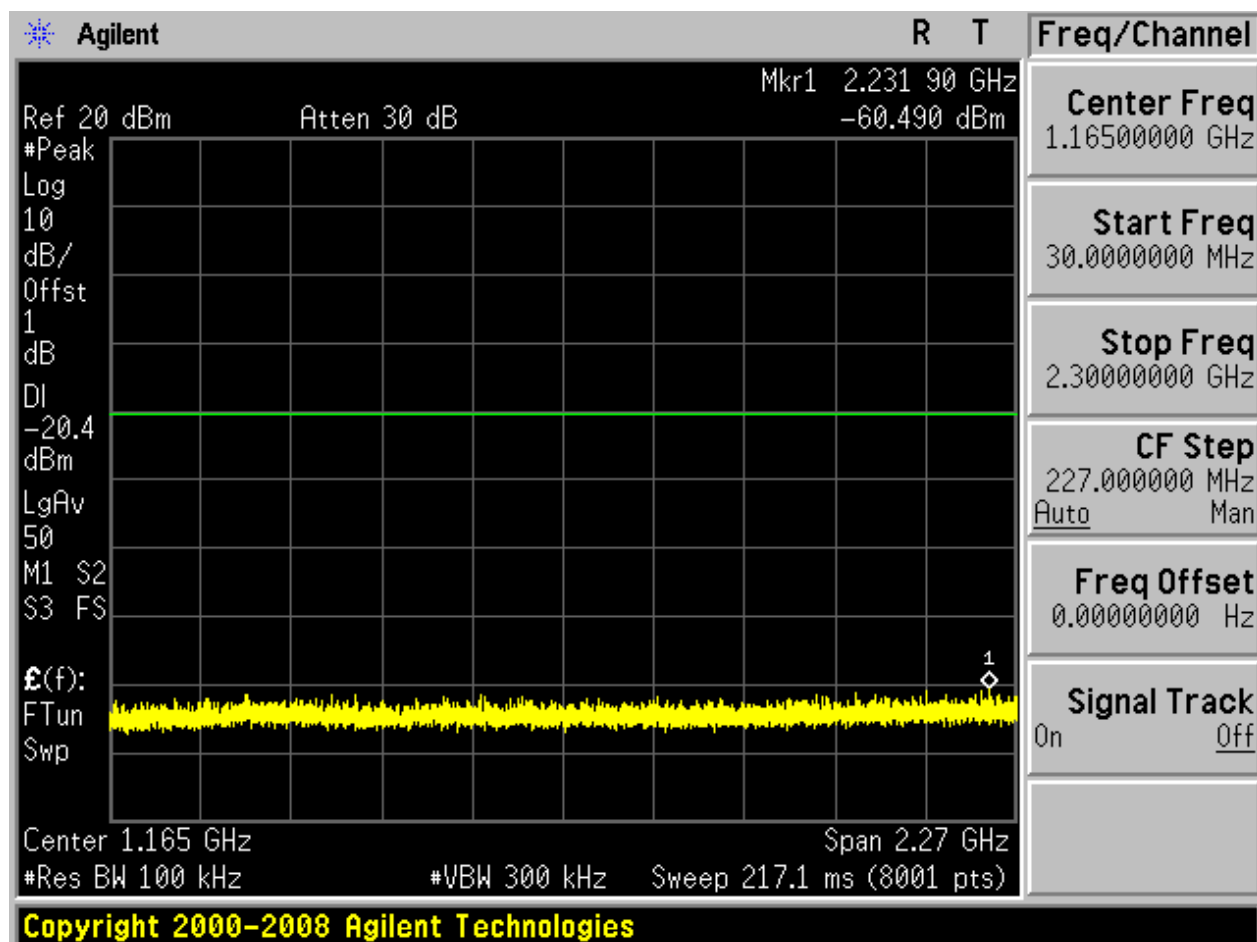


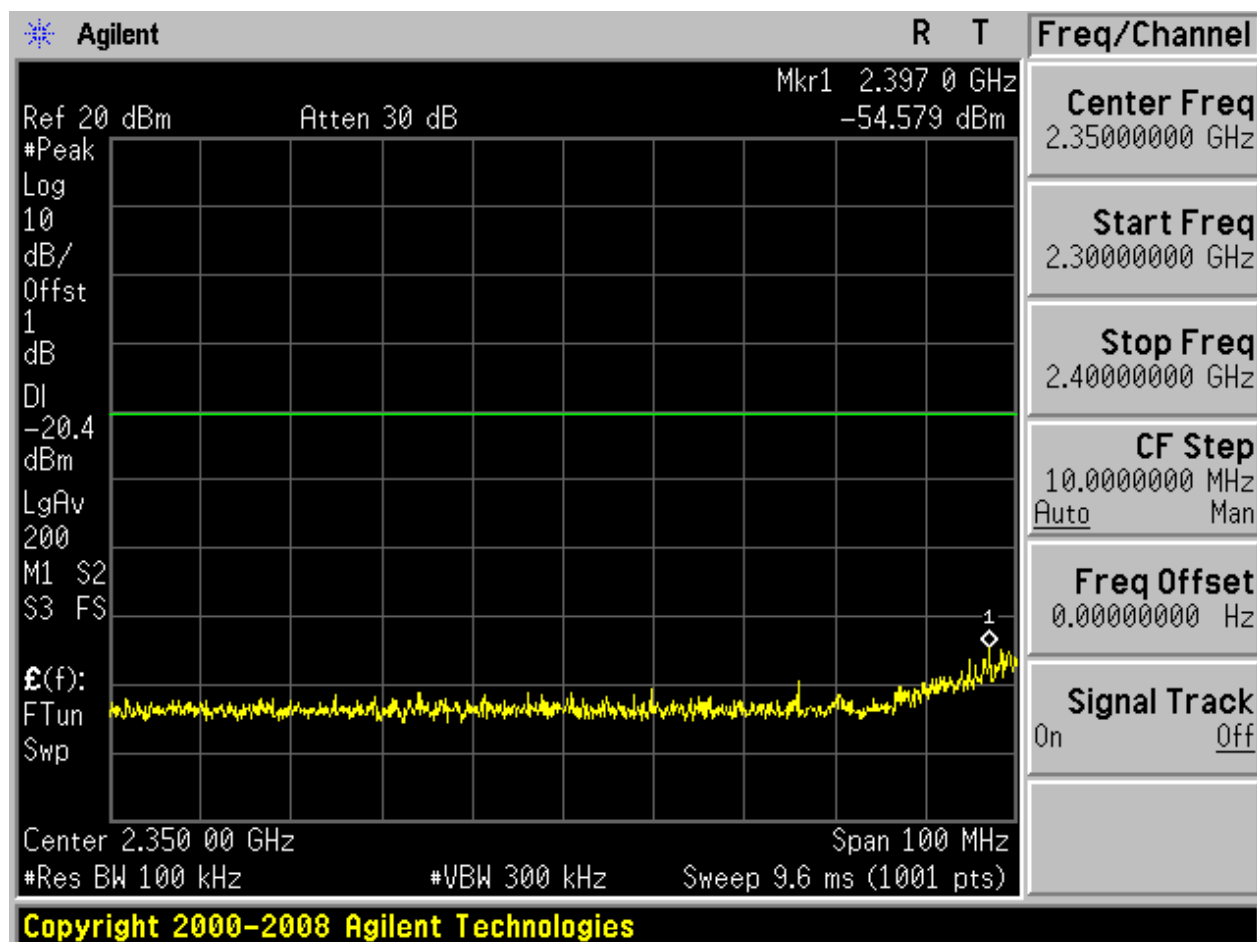


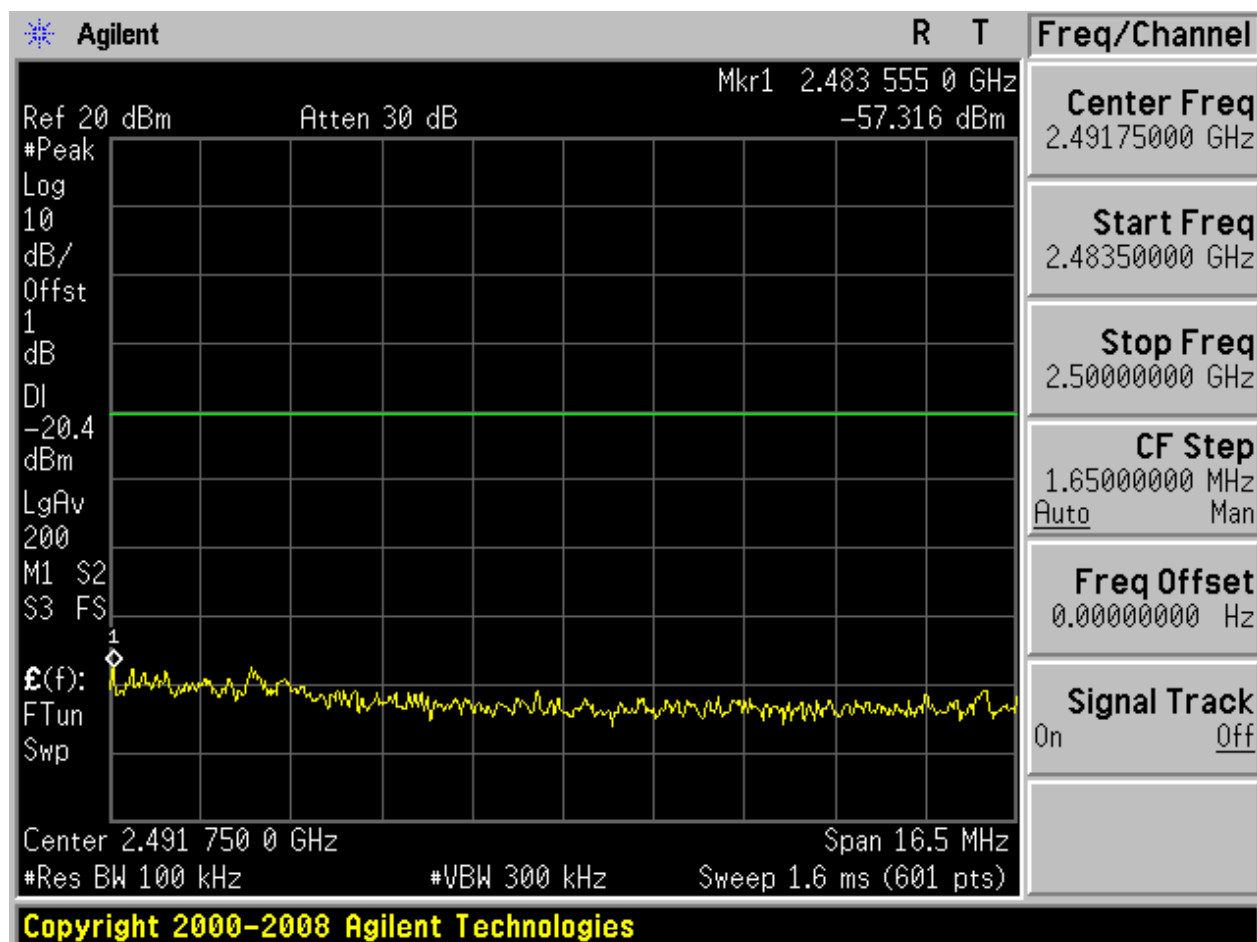
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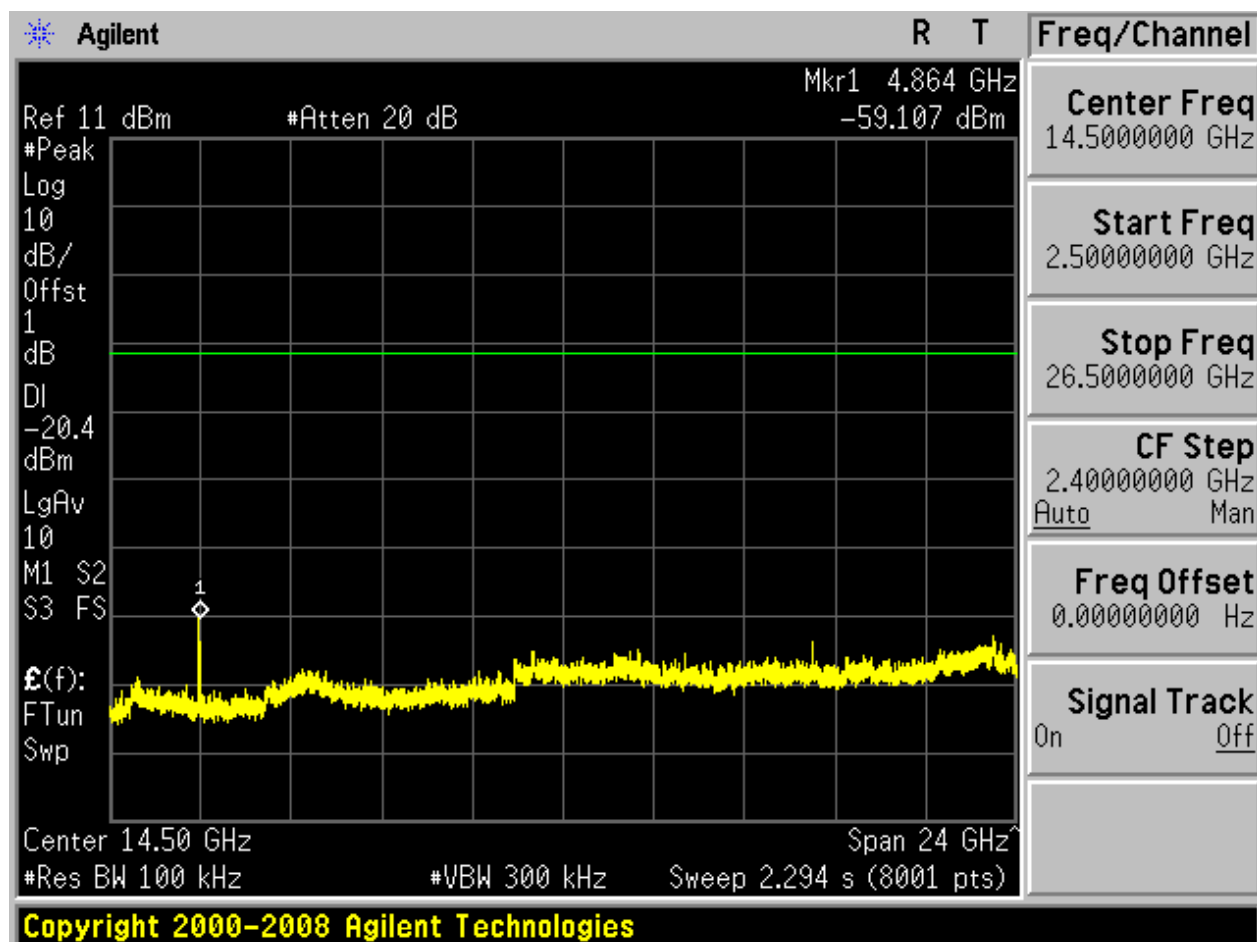






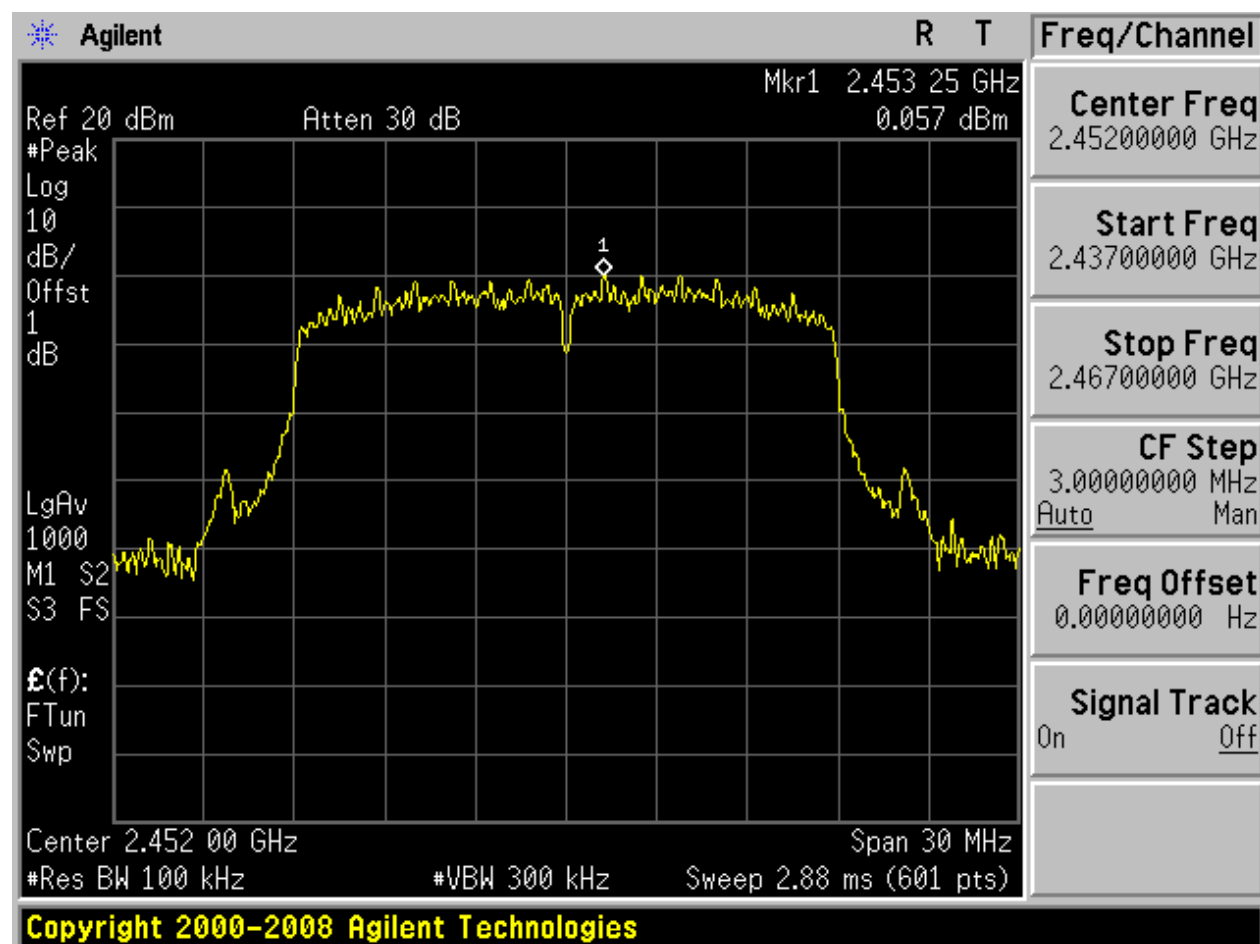




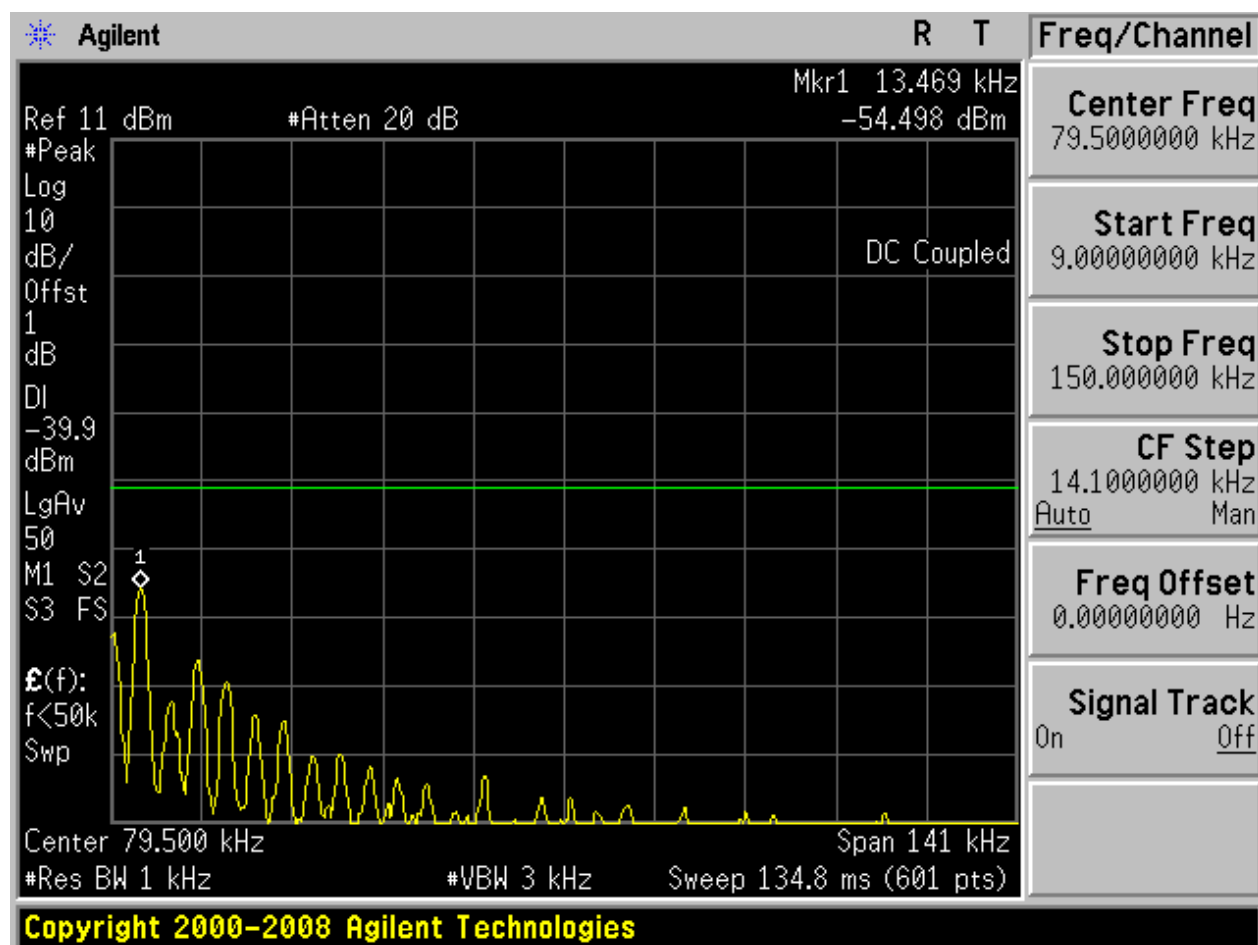


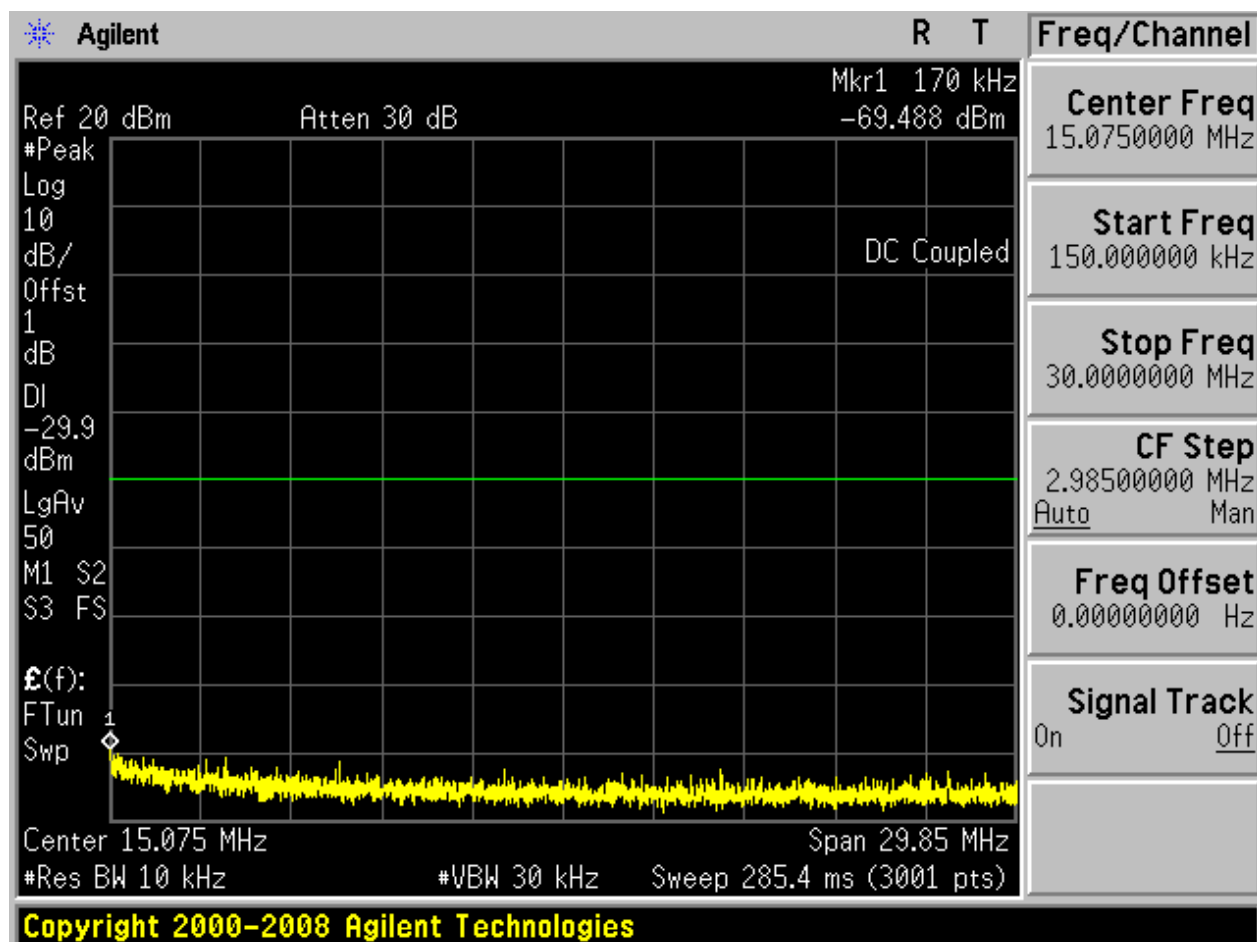
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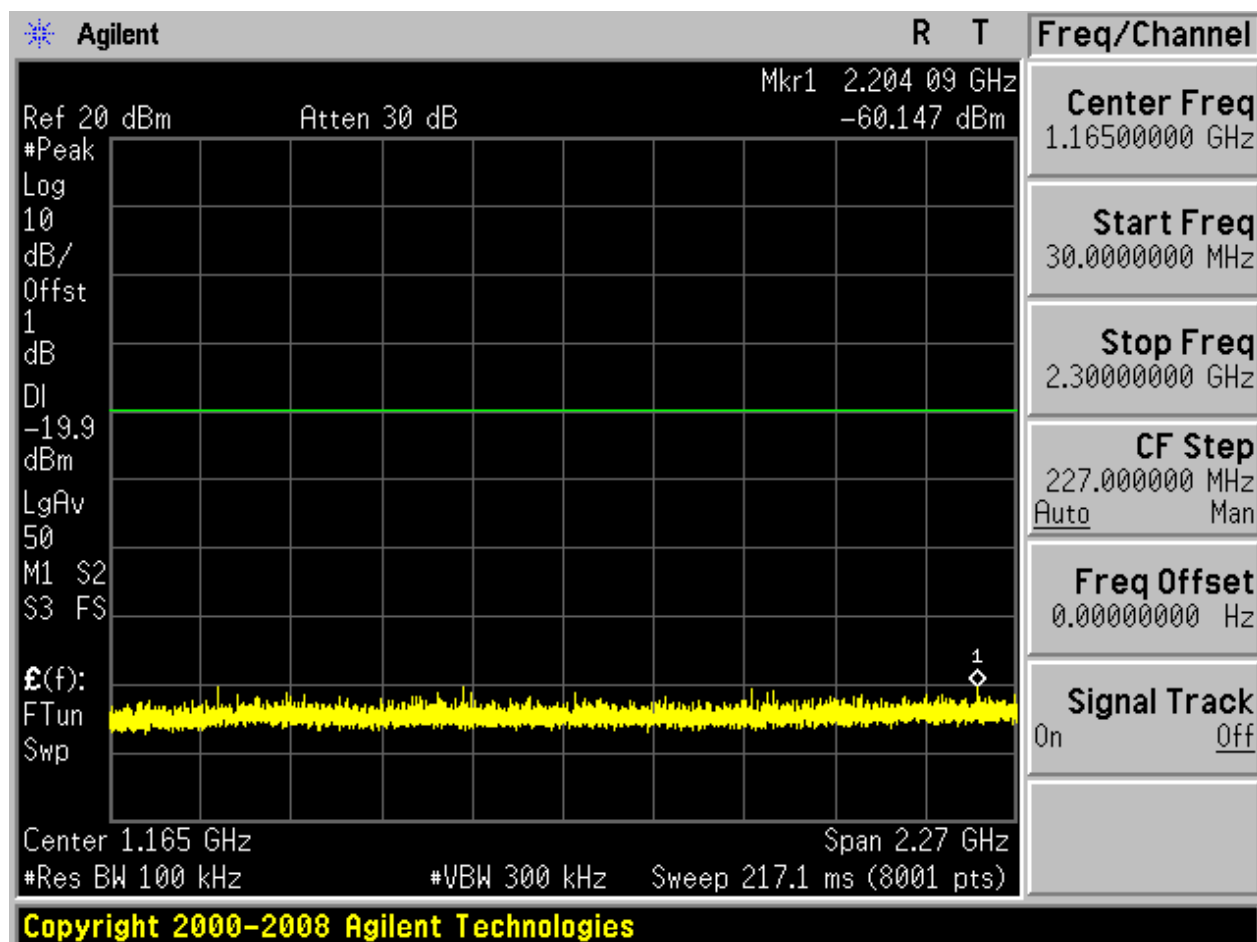
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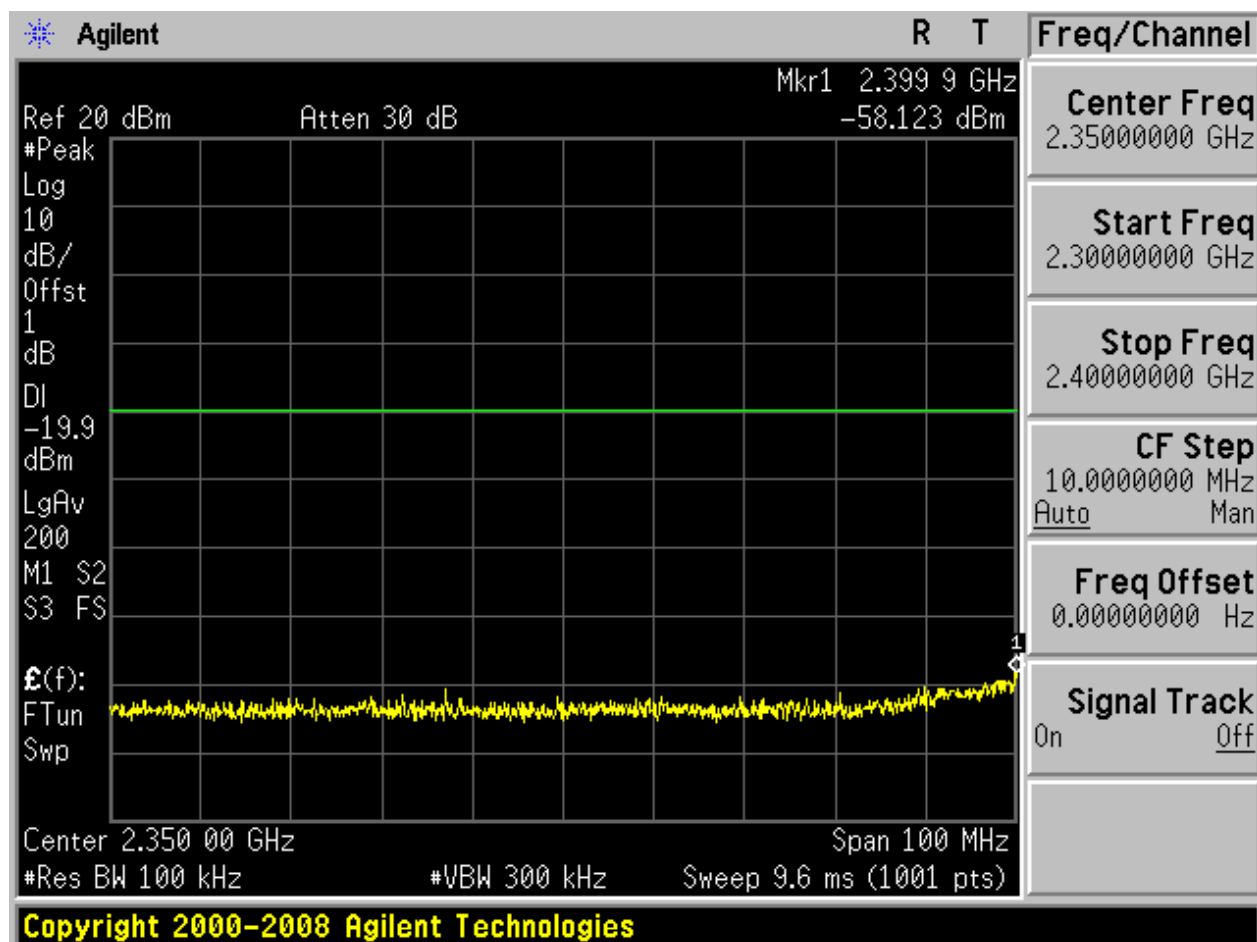


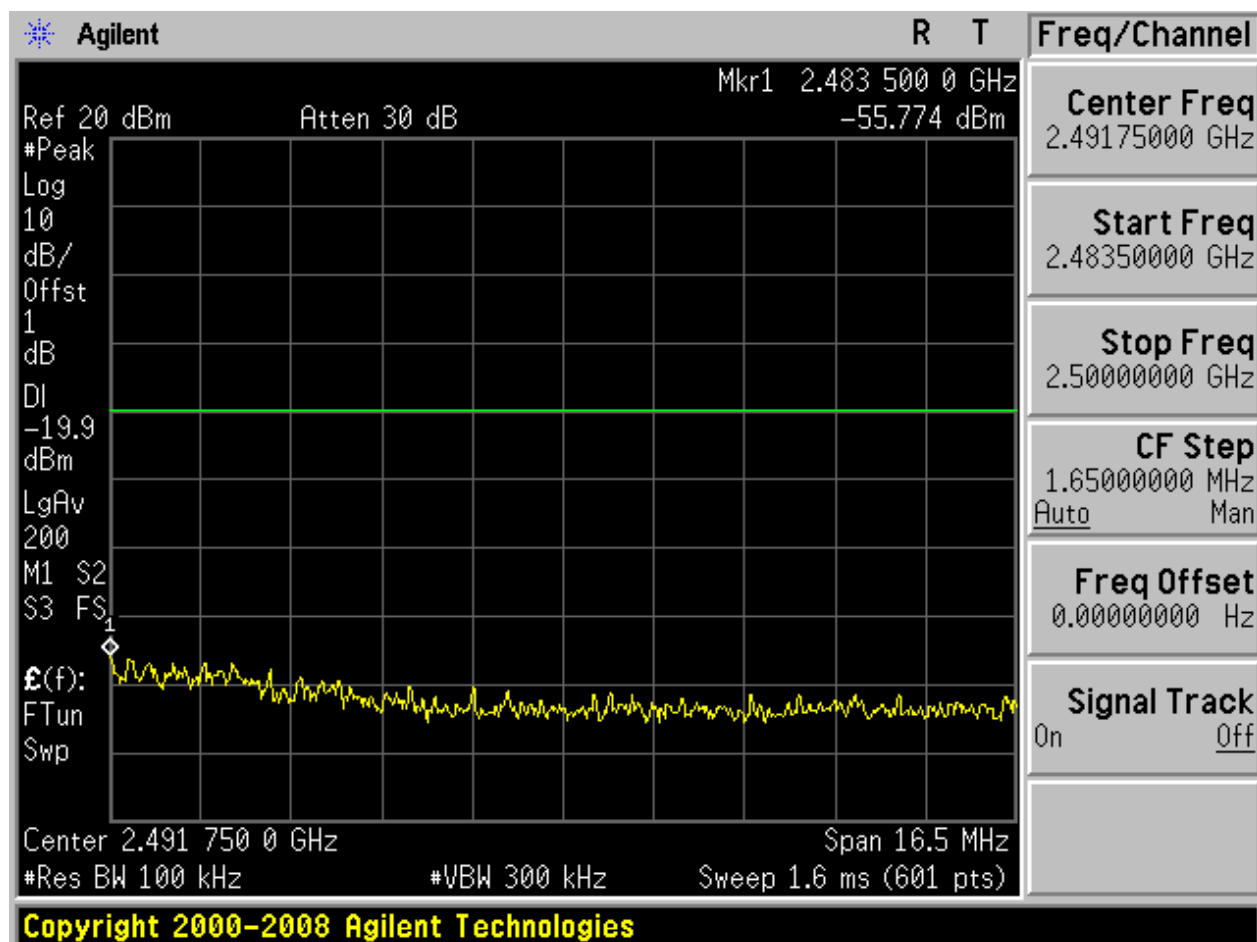
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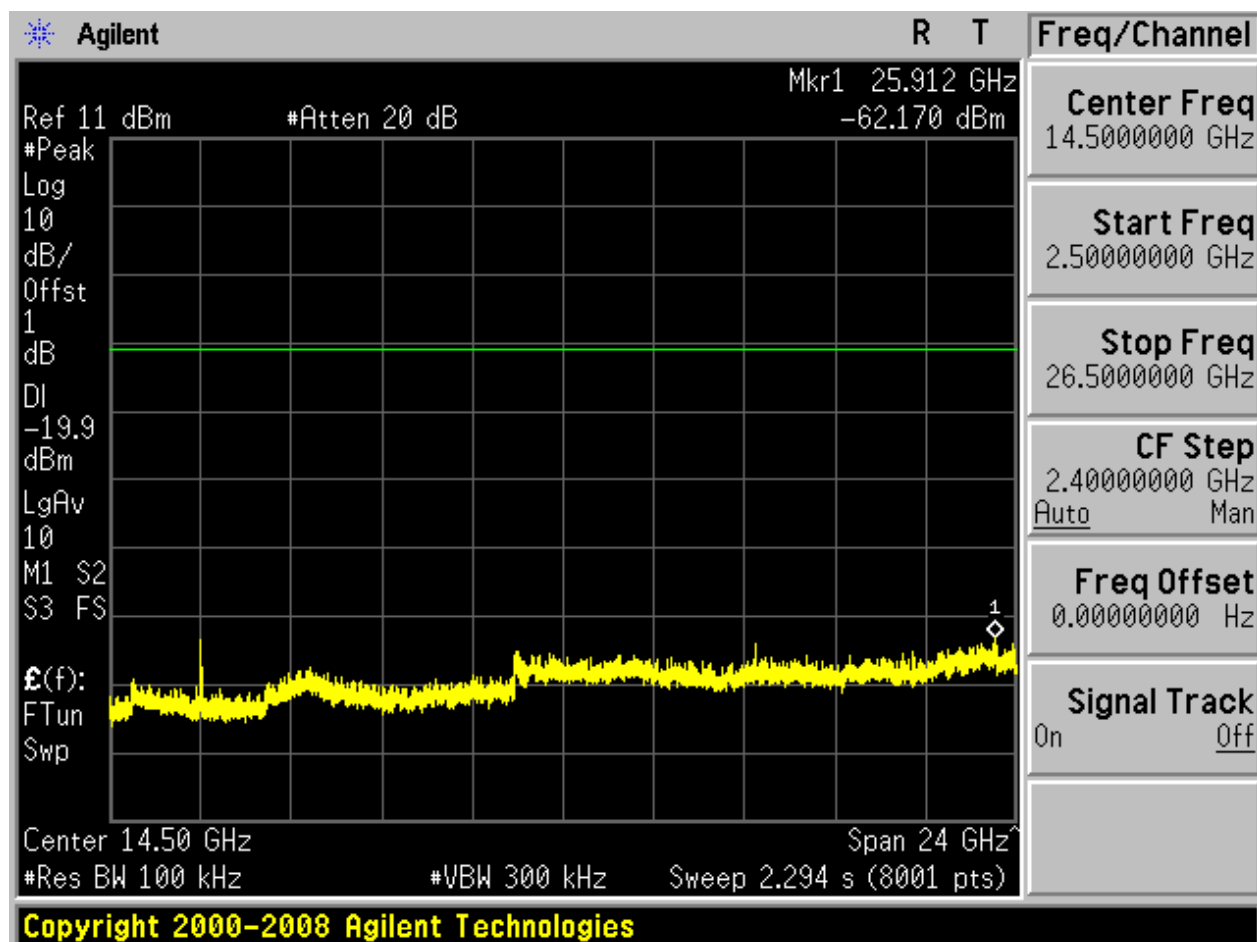






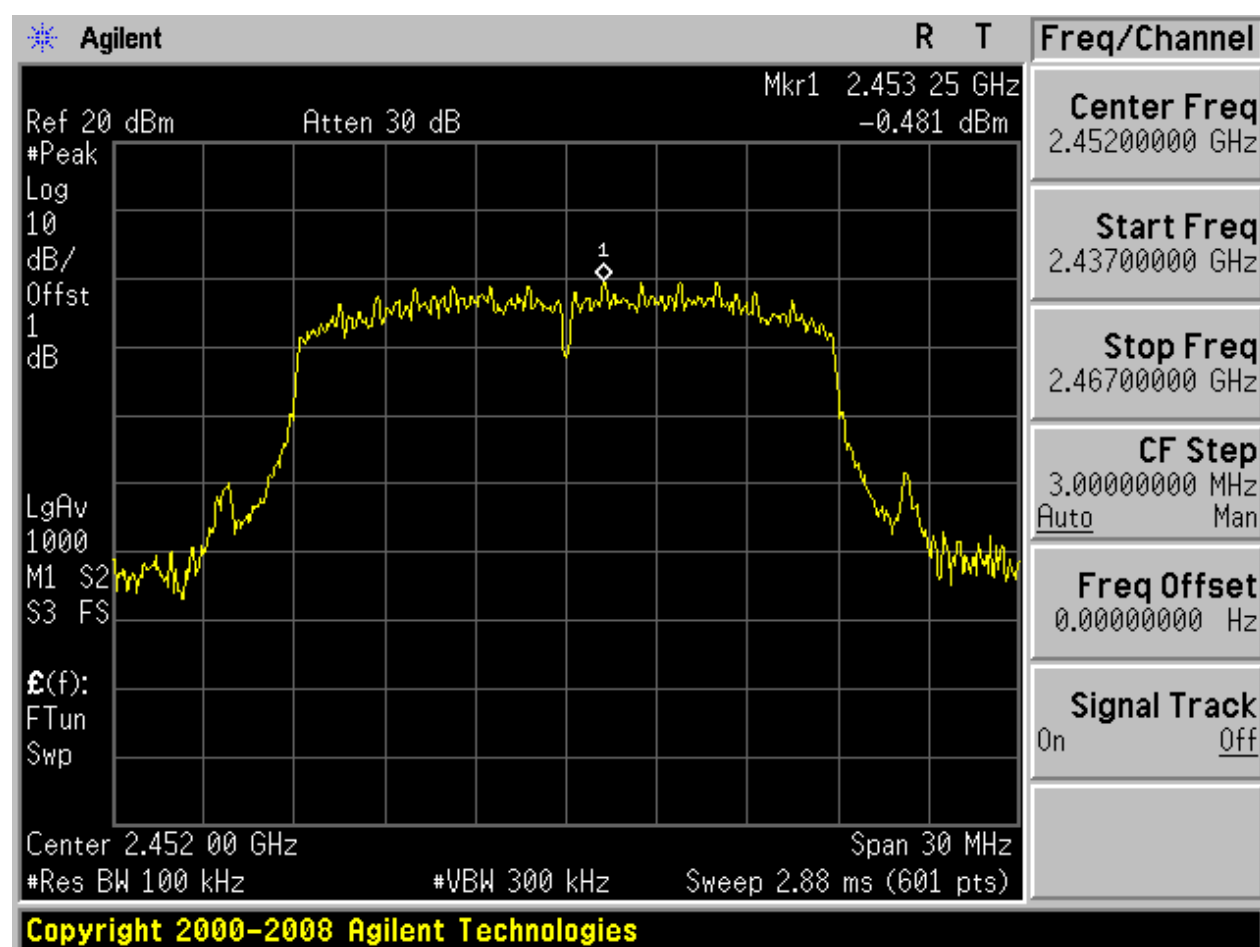




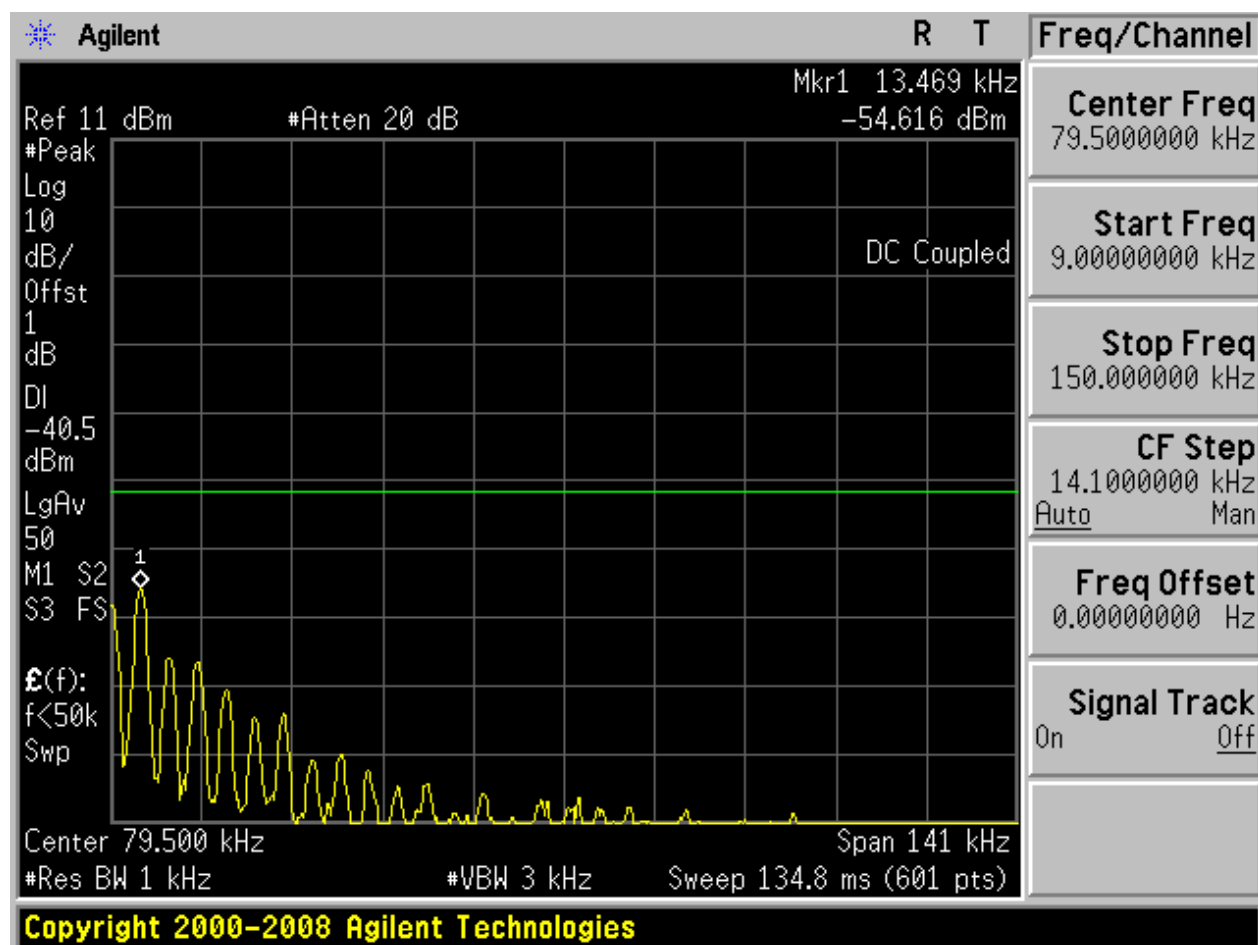


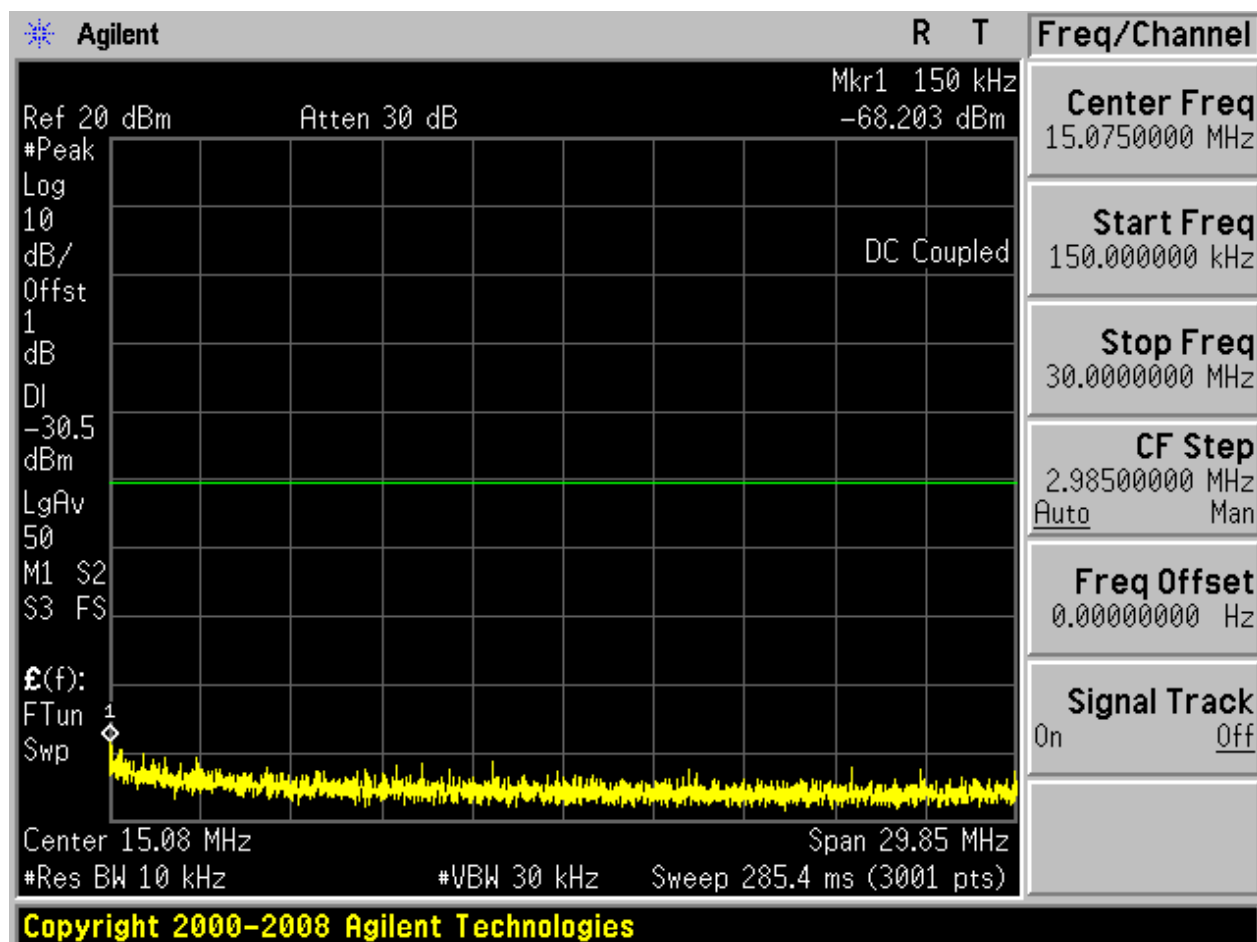
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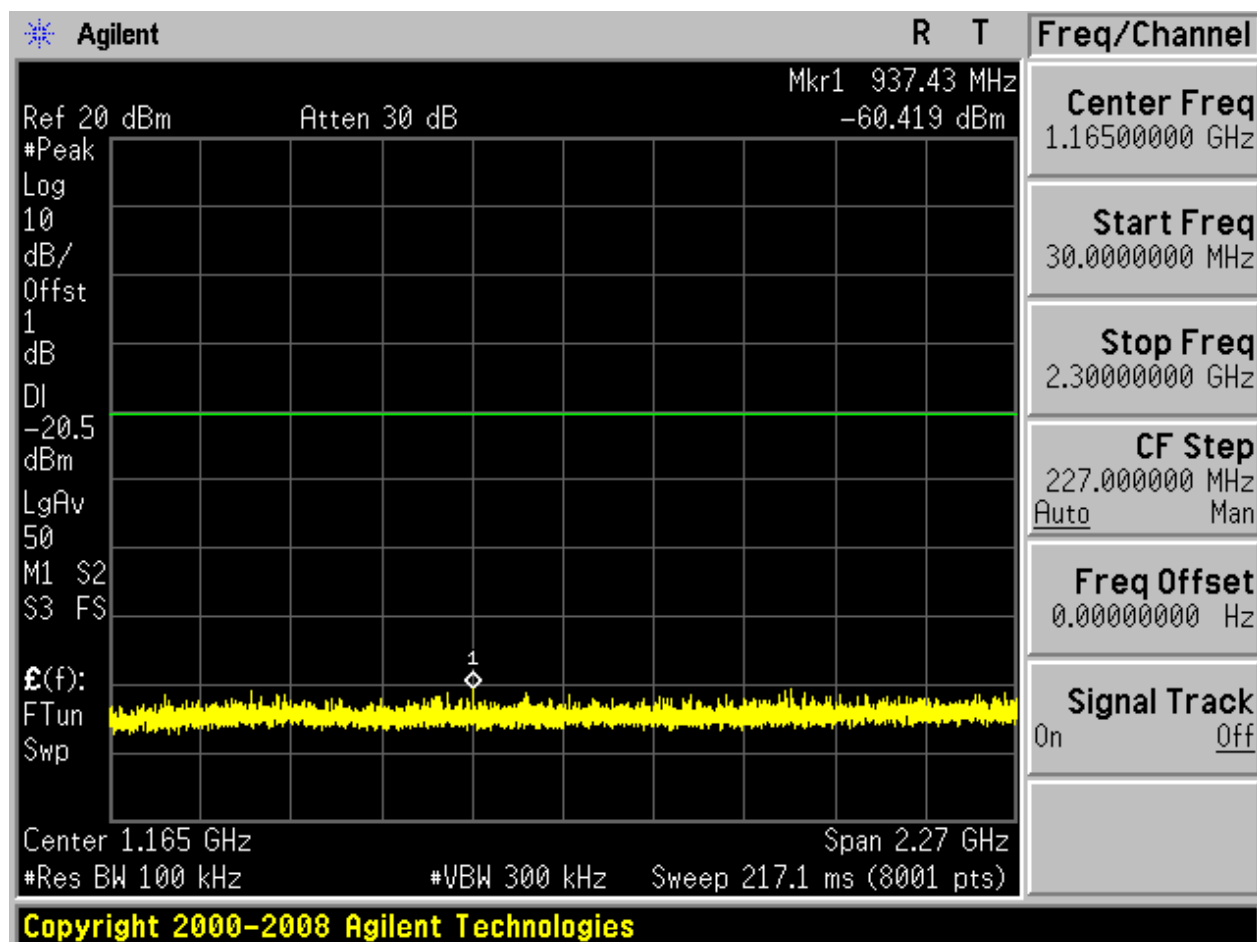
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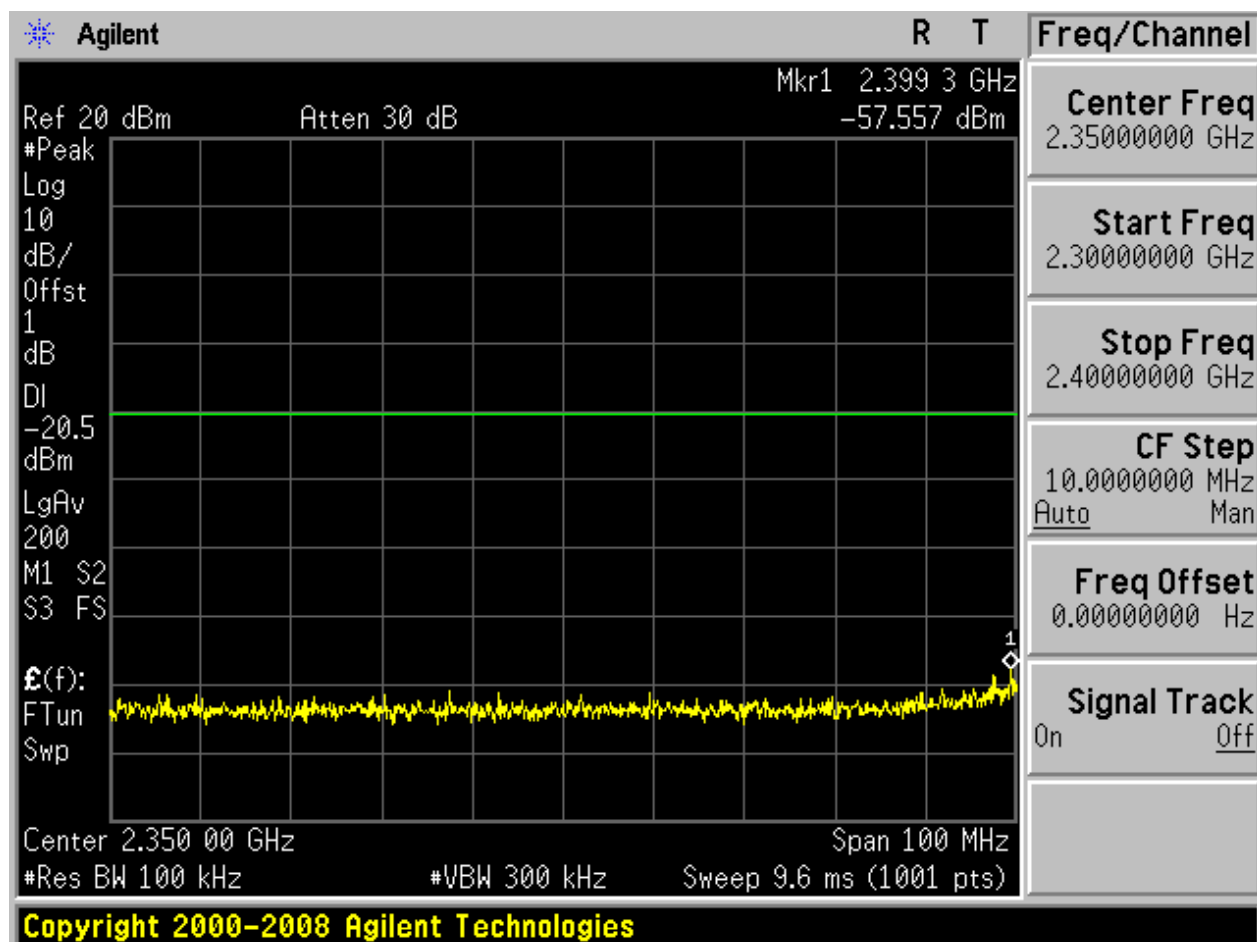


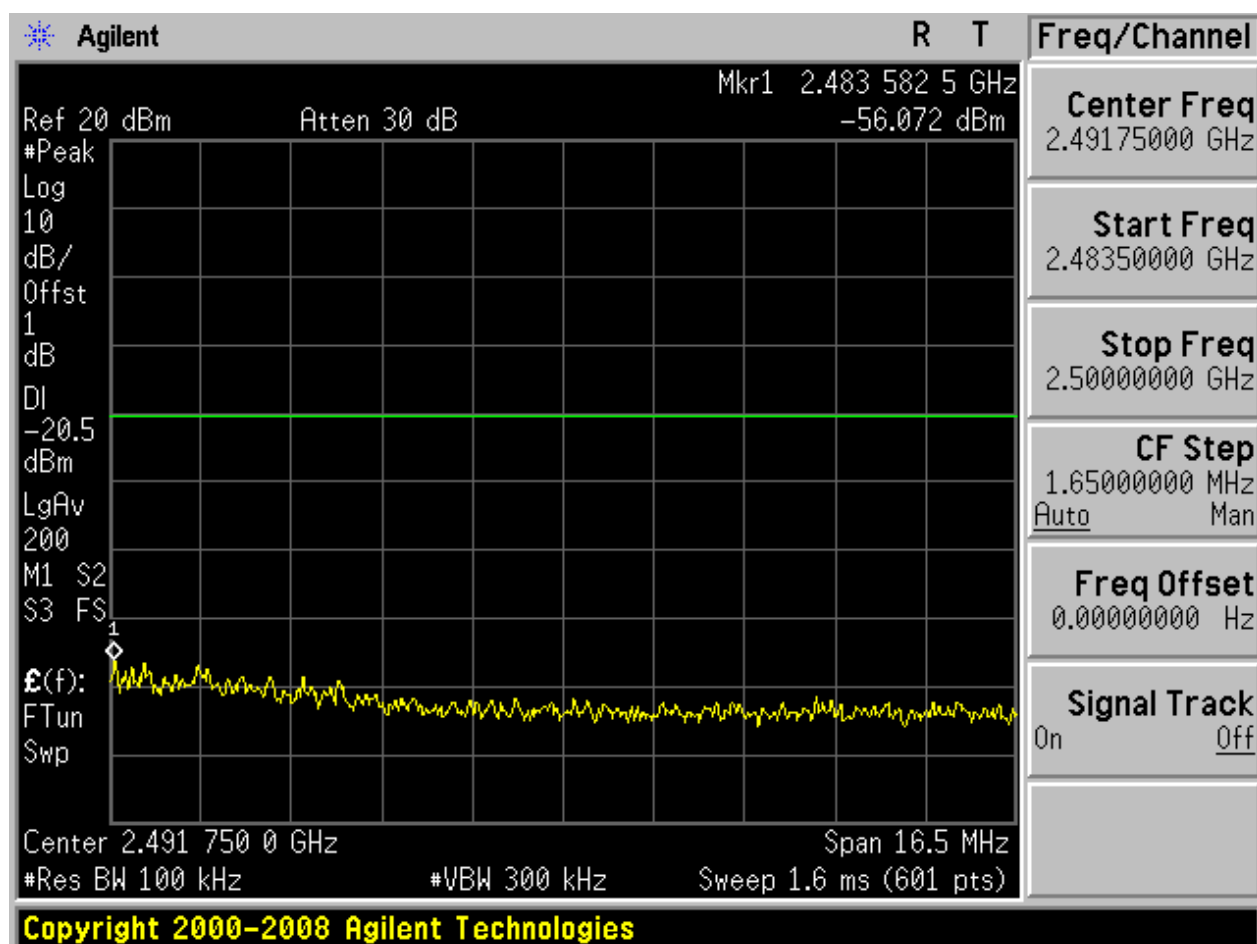
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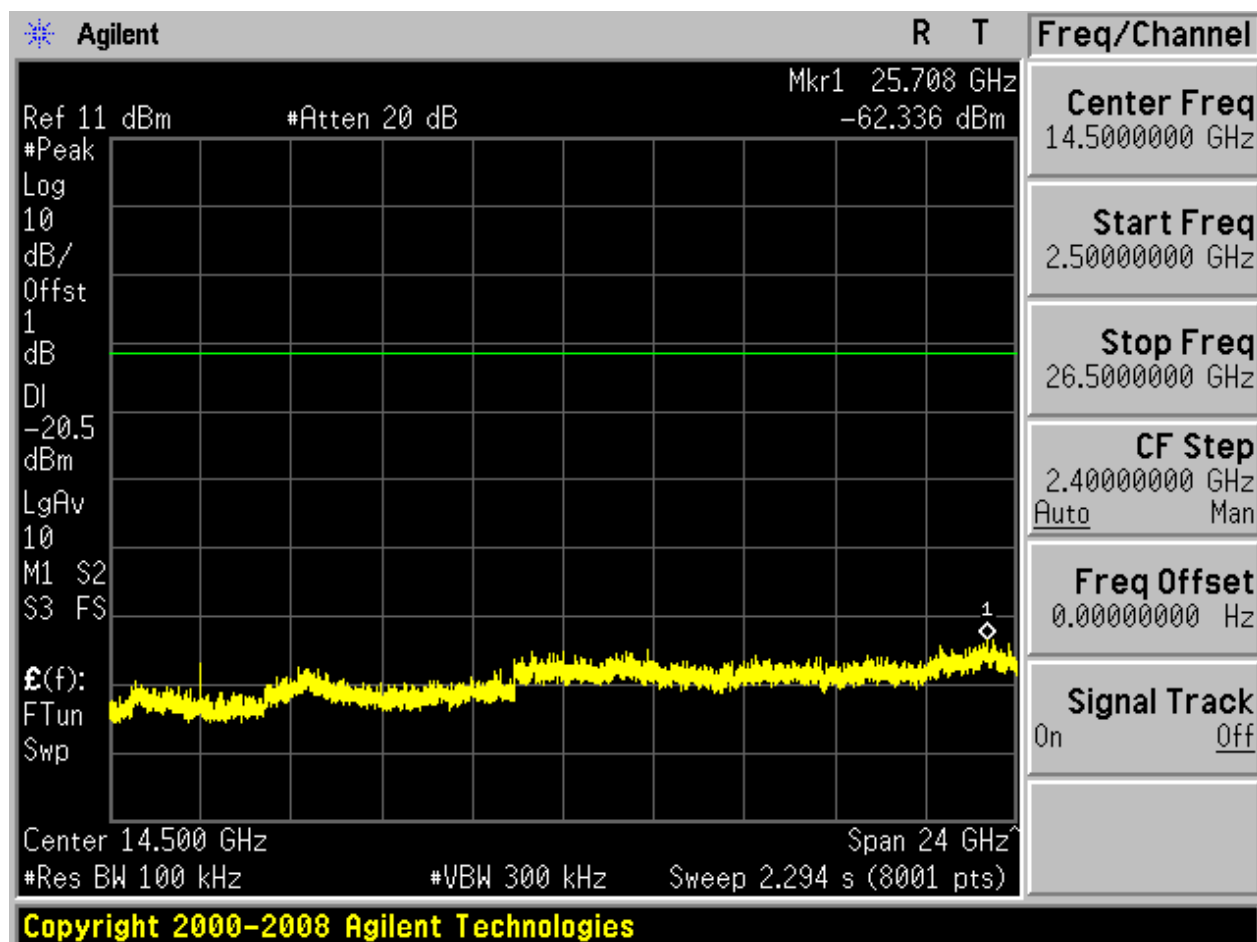








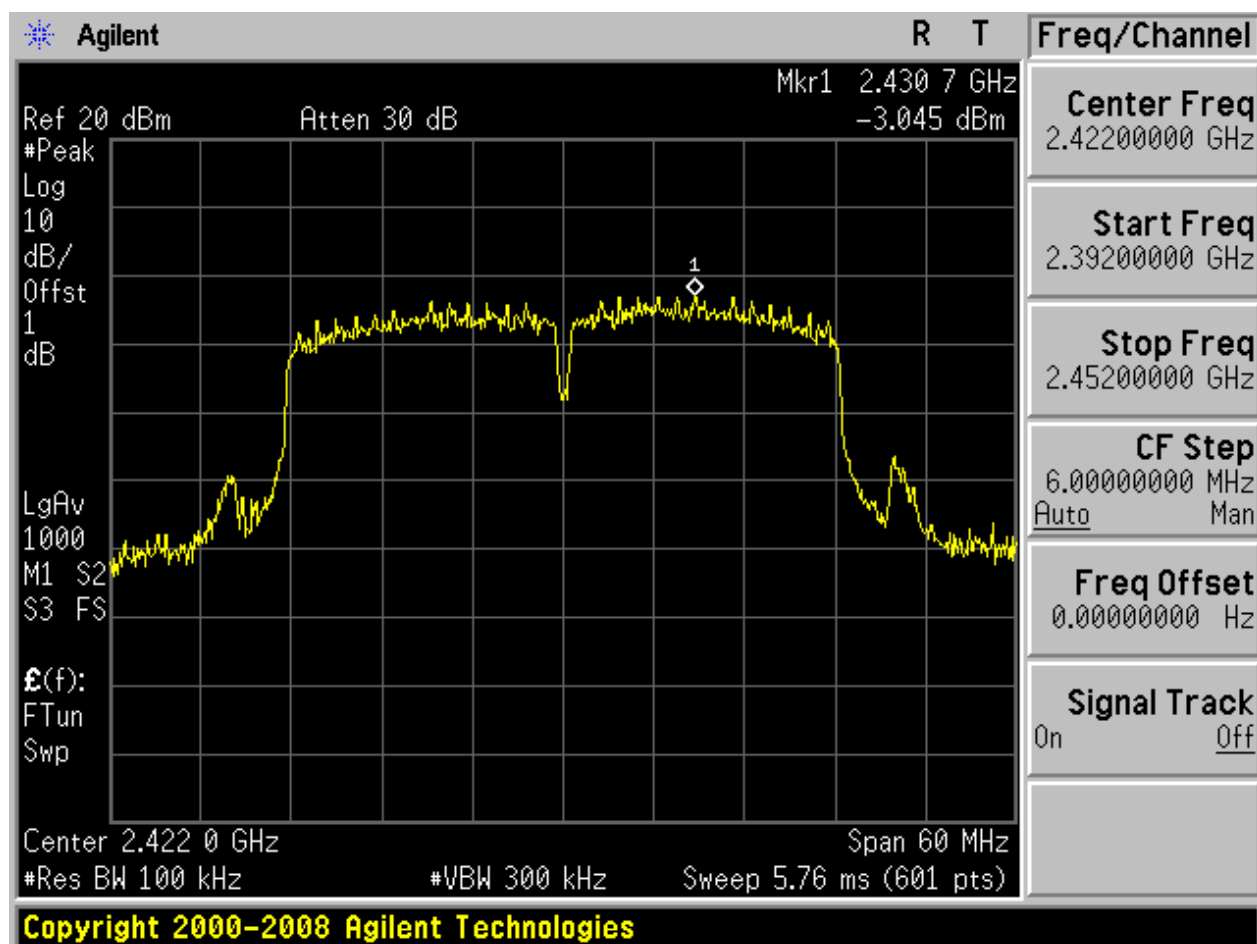




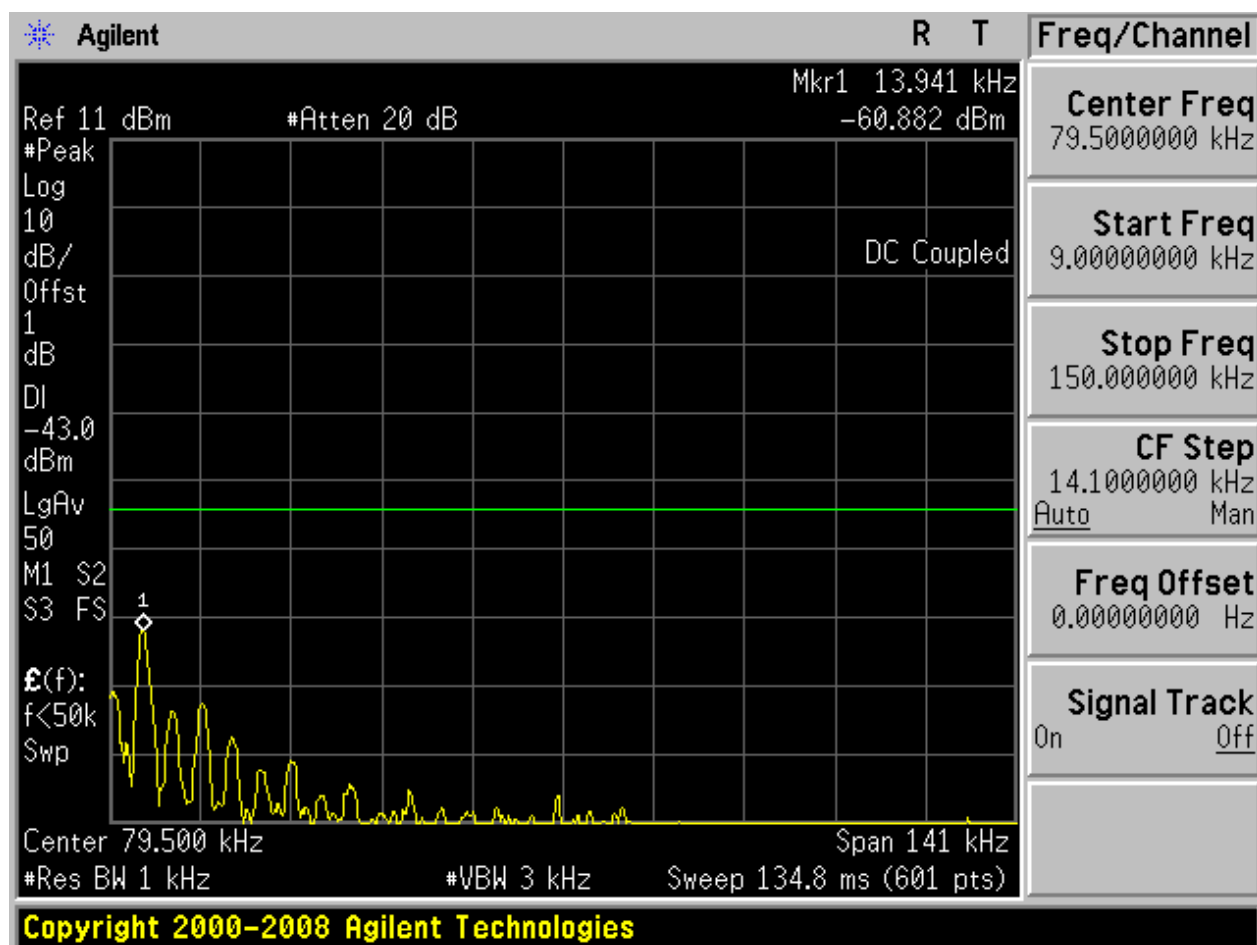


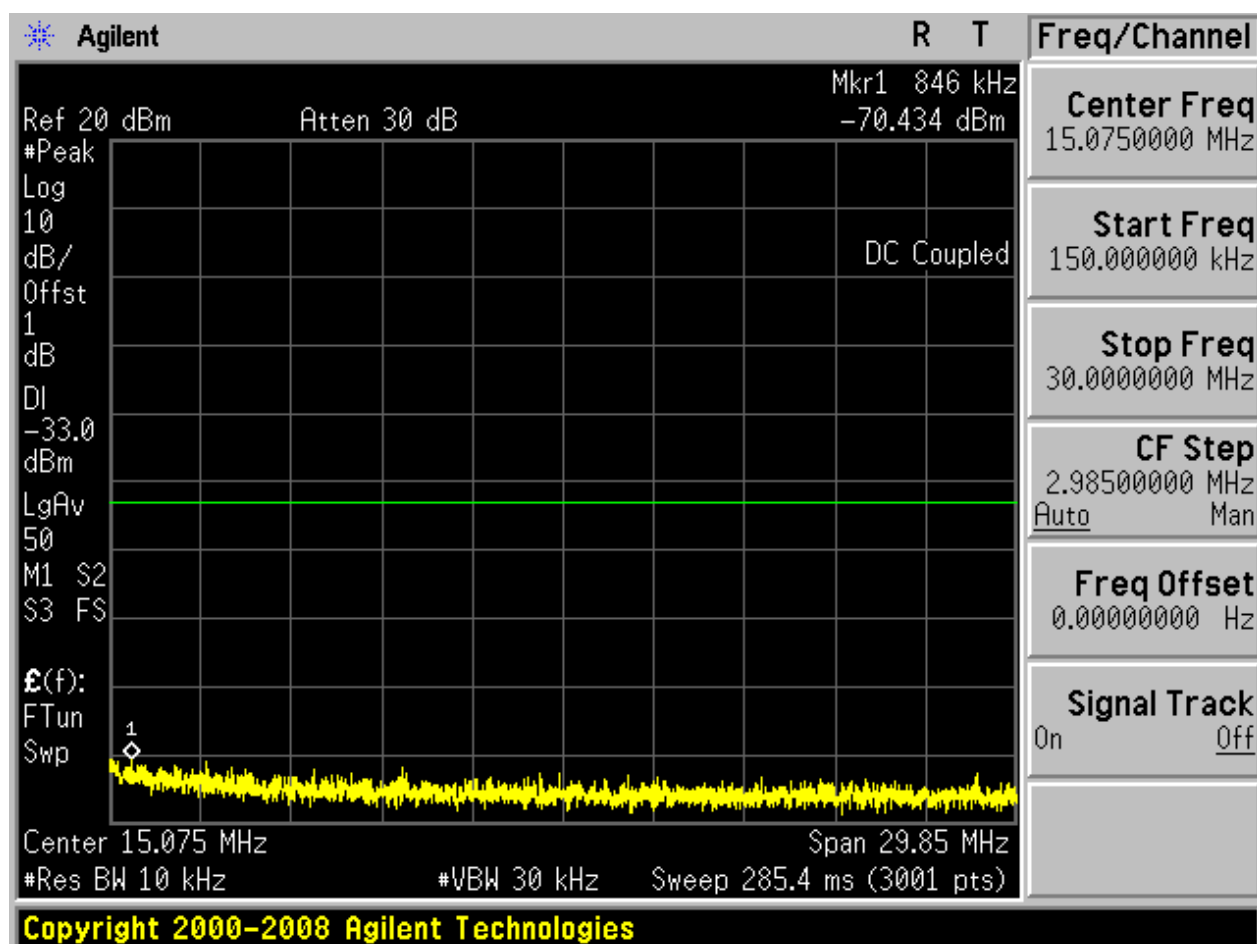
2.25 11N40_L@Ant 1

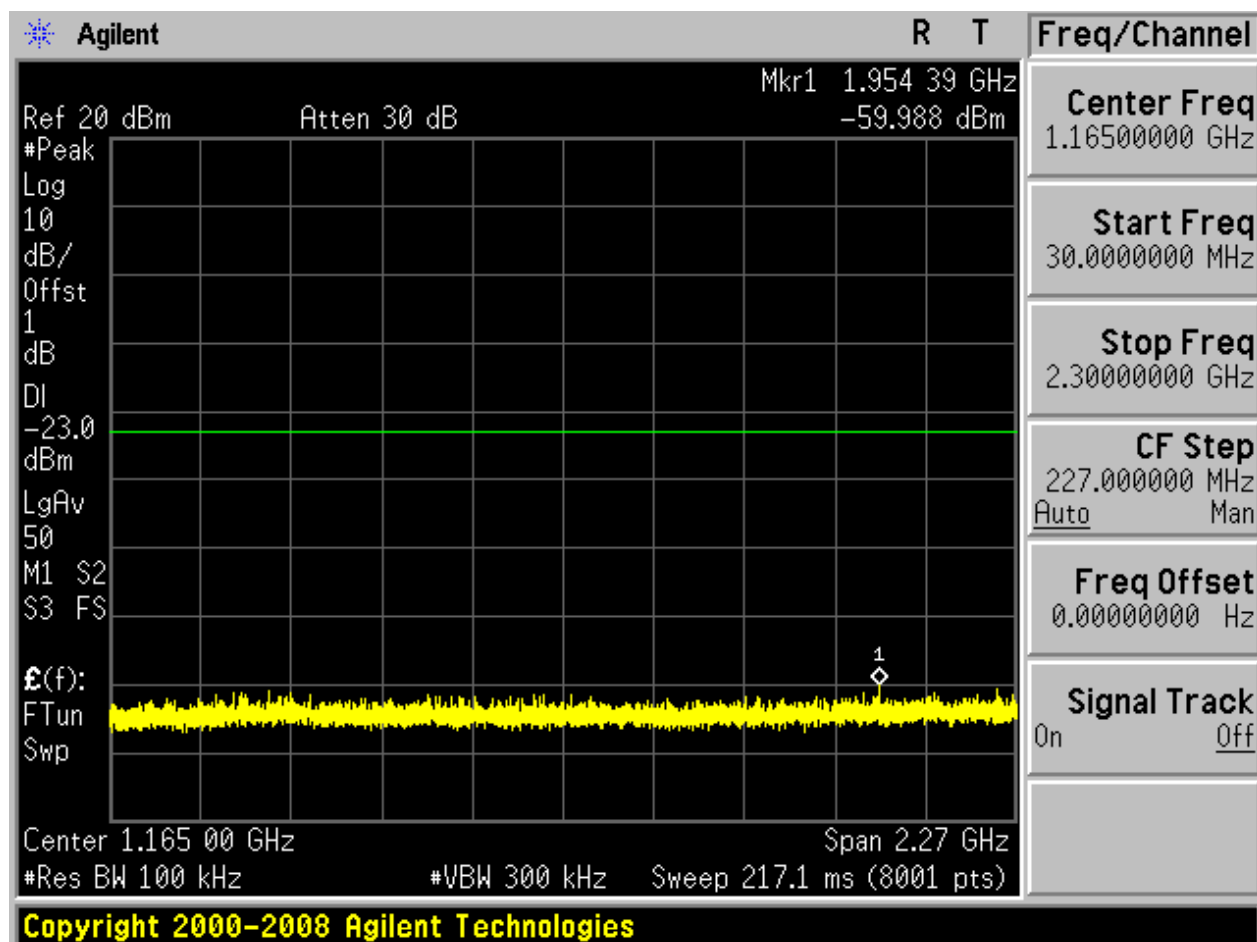
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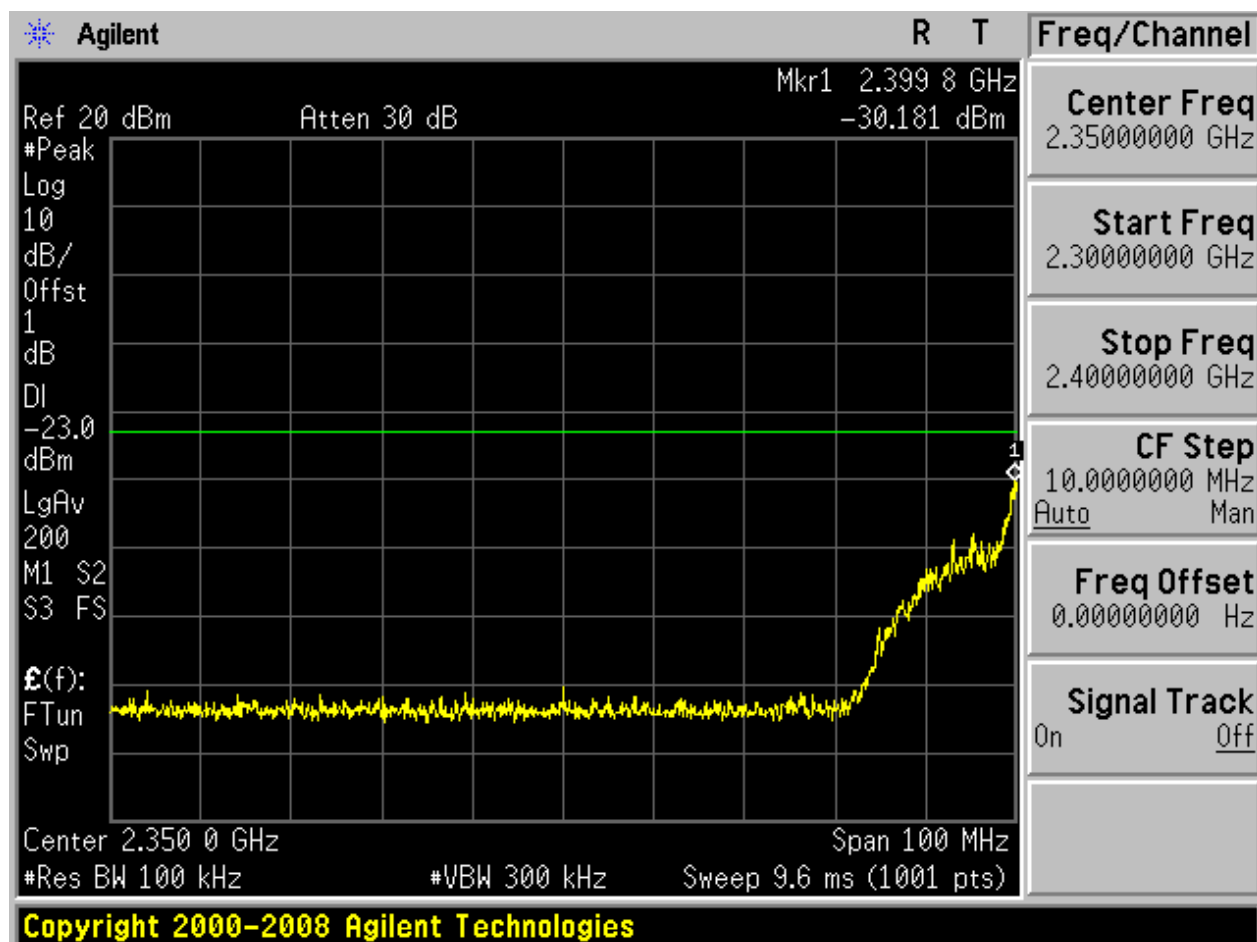


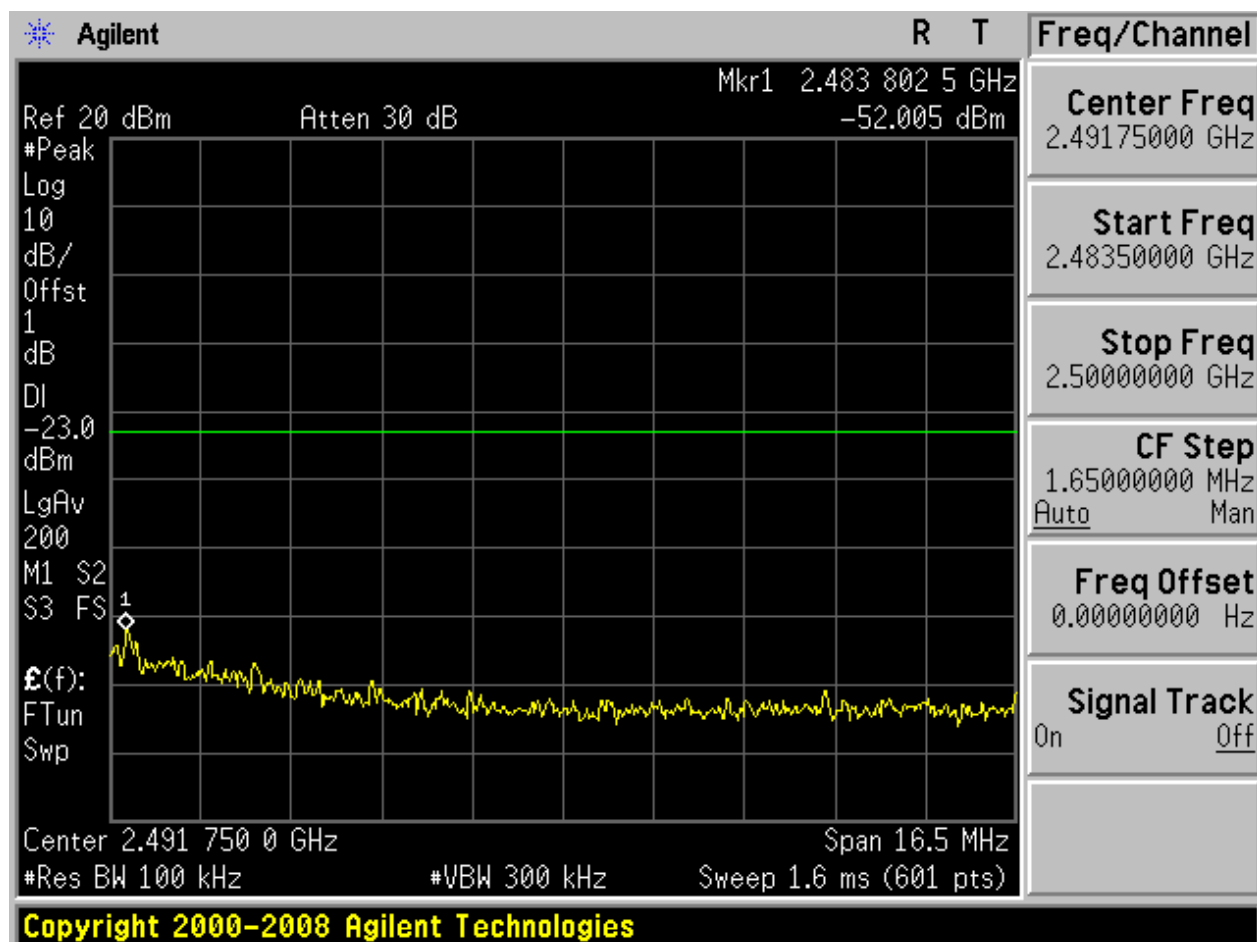
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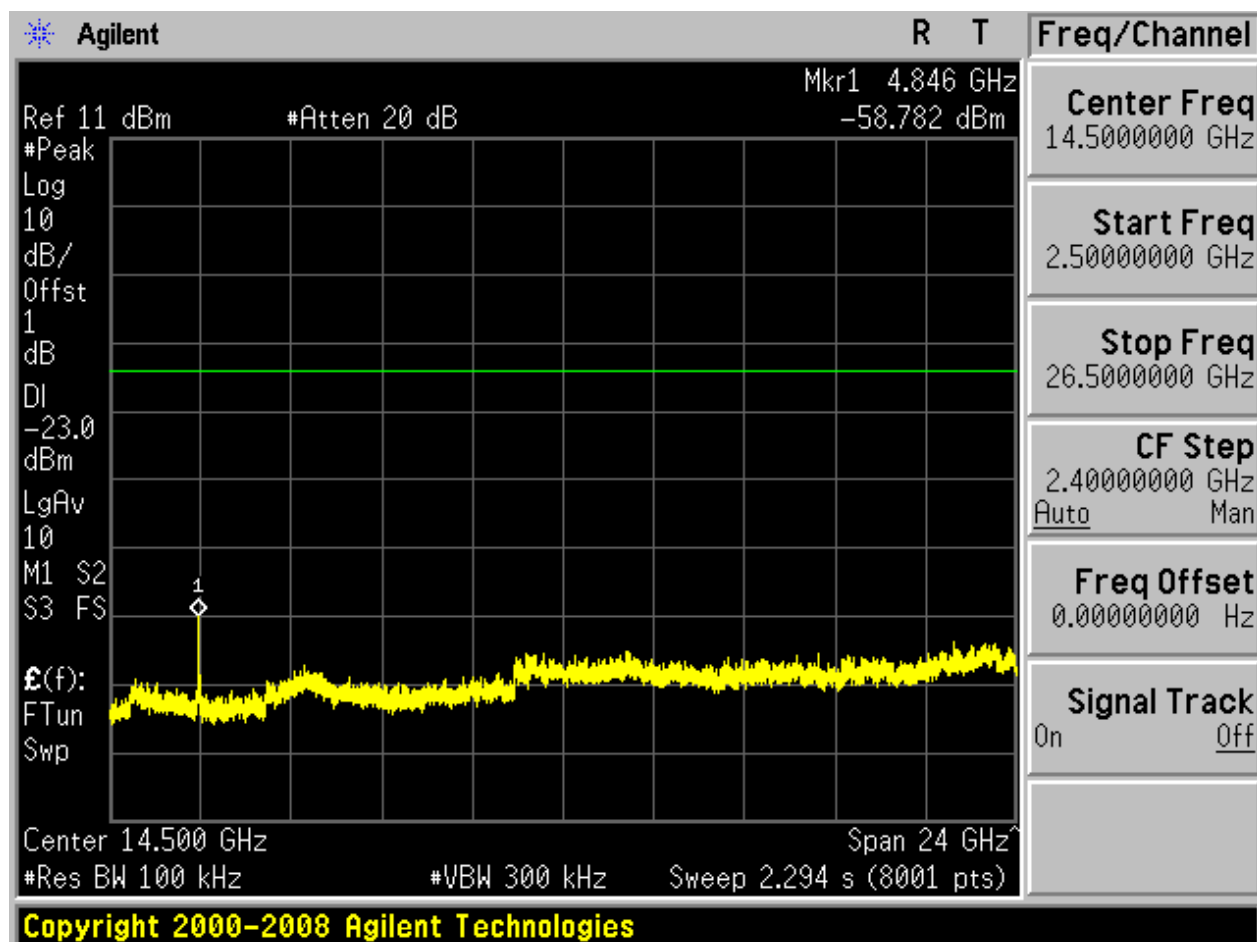






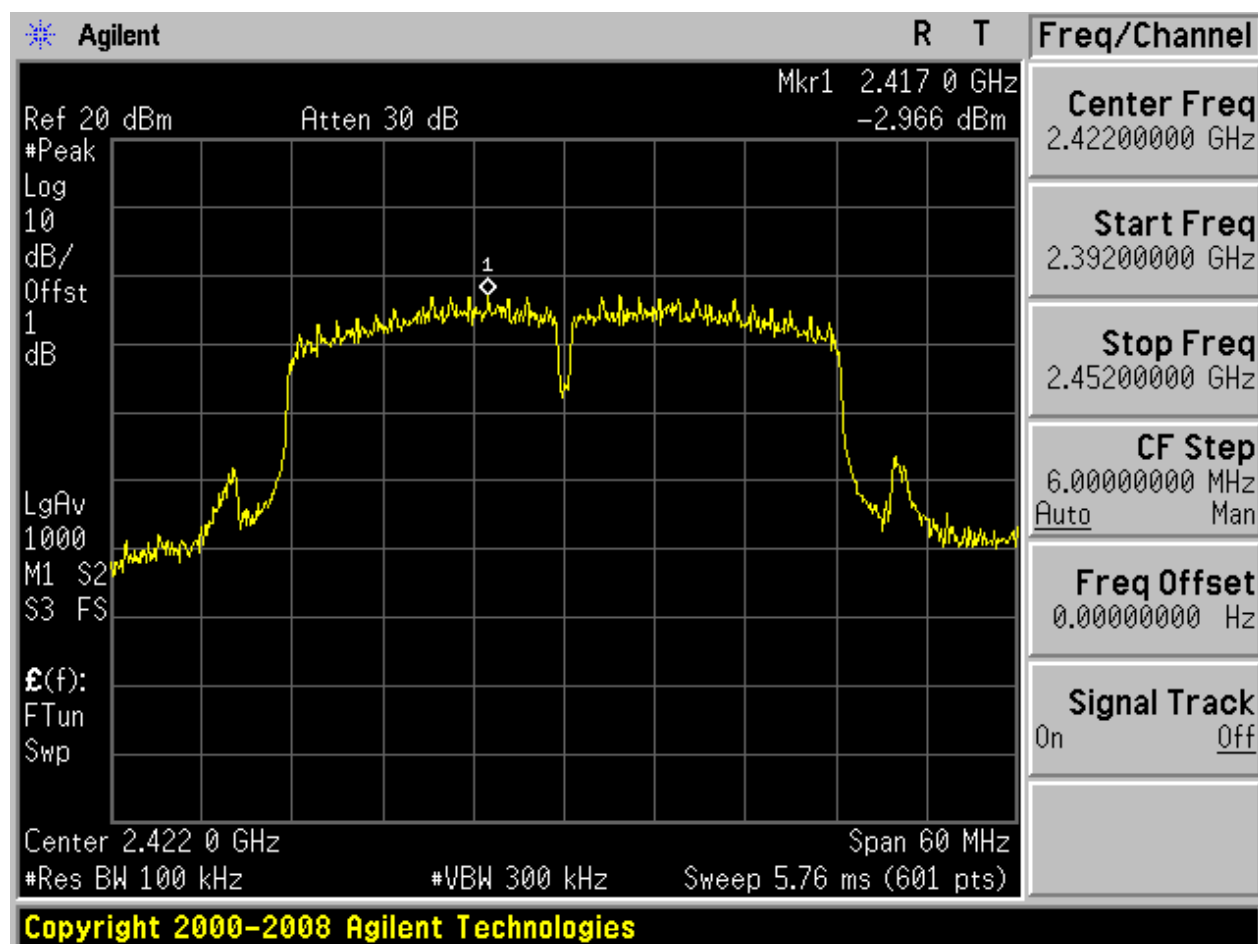




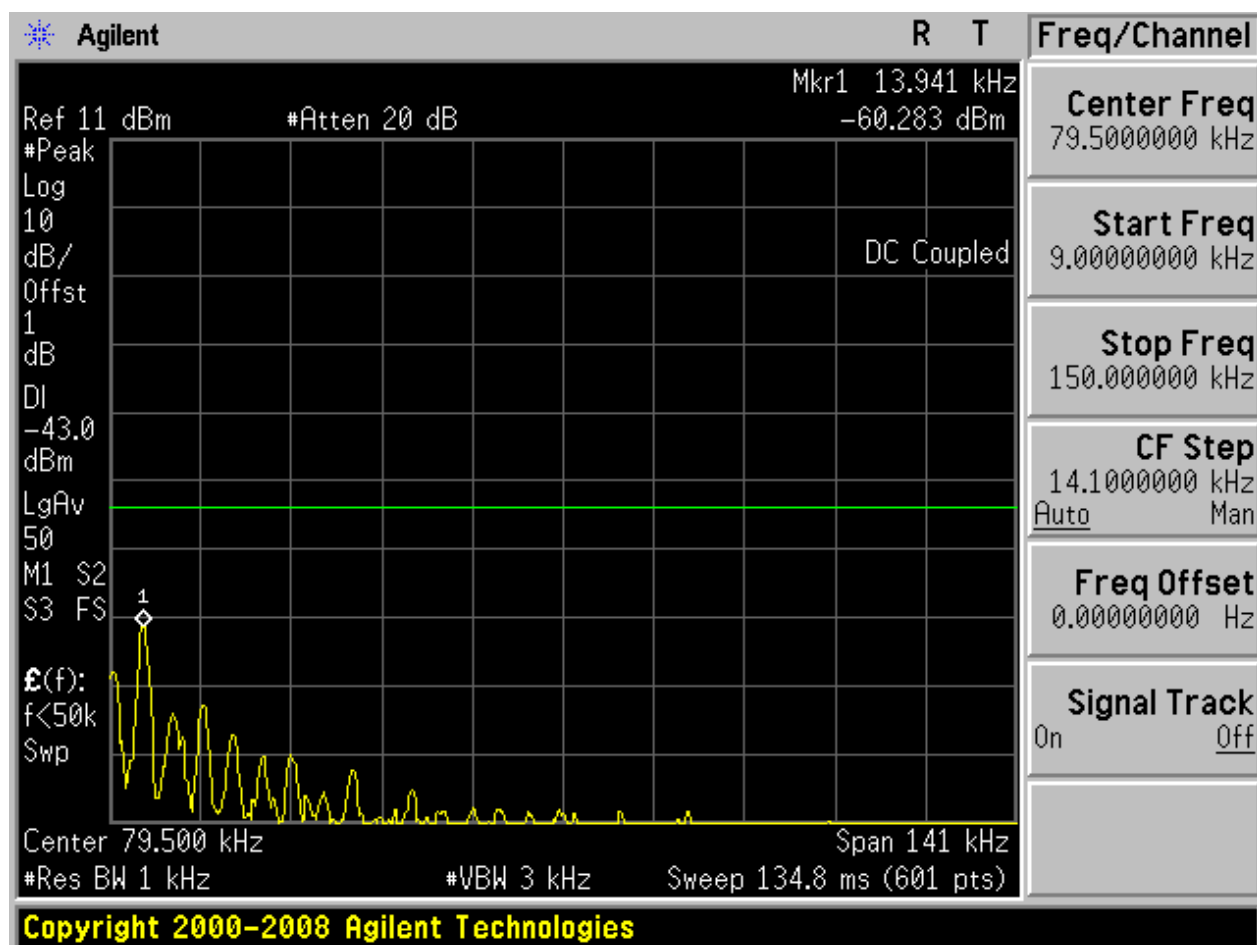


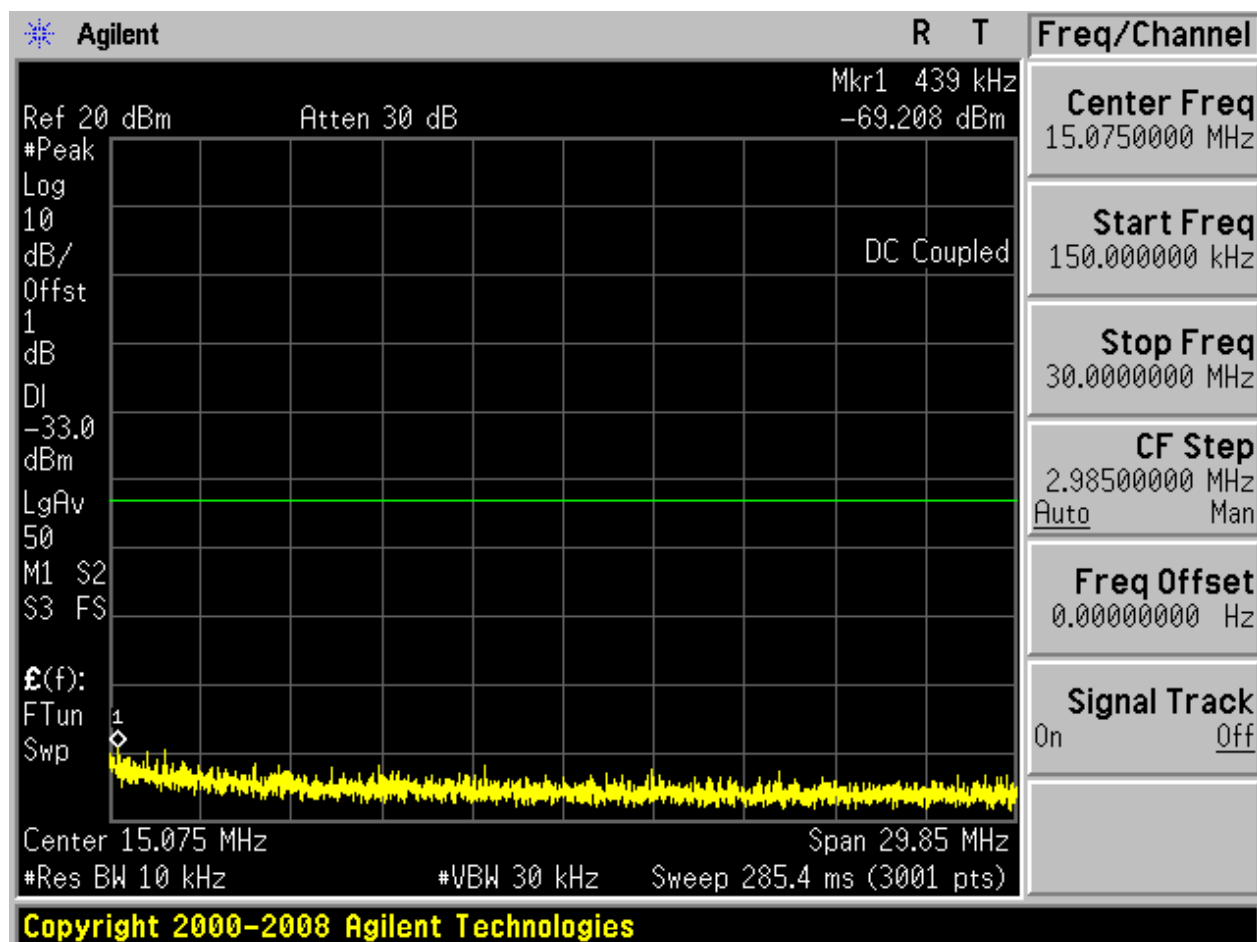
2.26 11N40_L@Ant 2

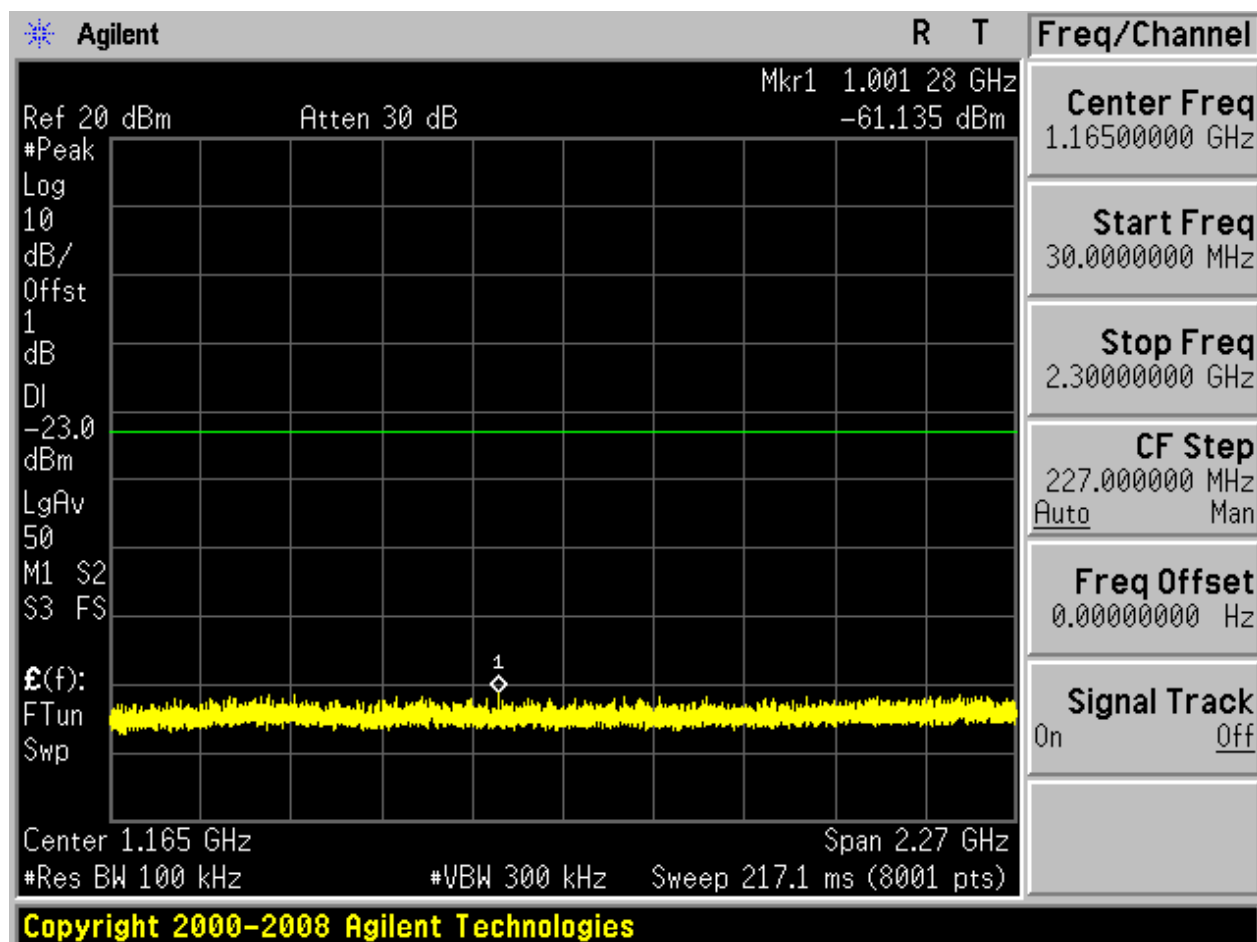
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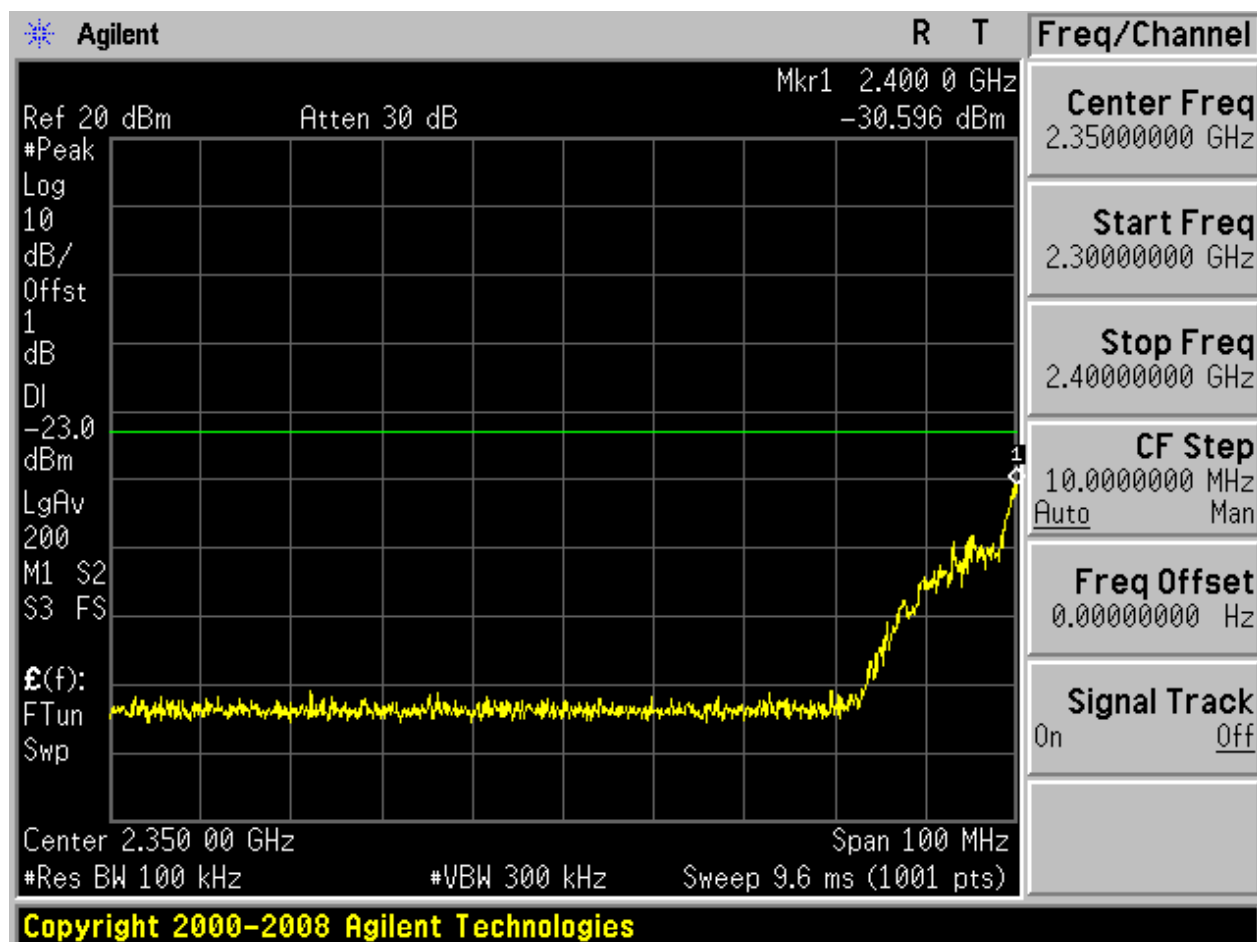


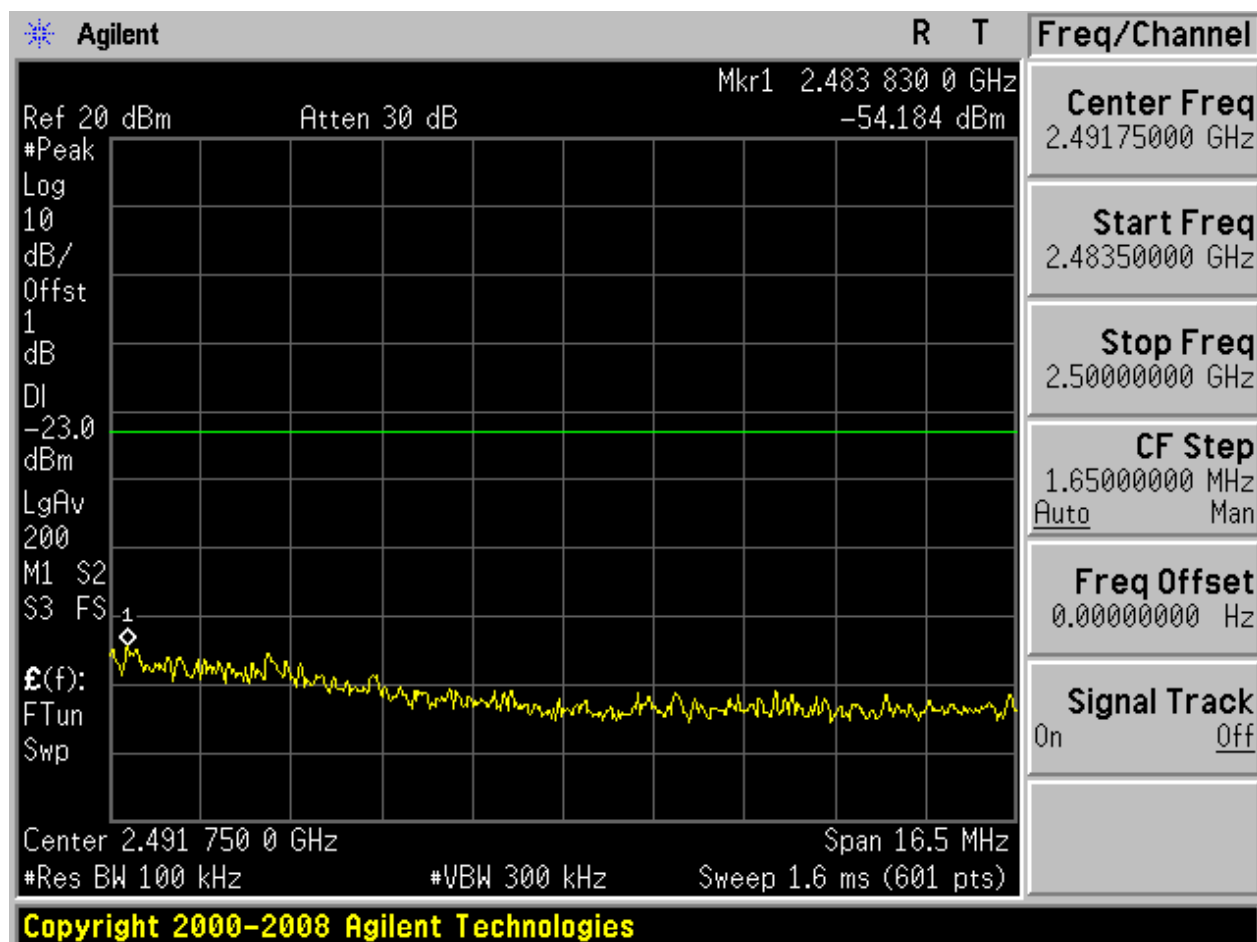
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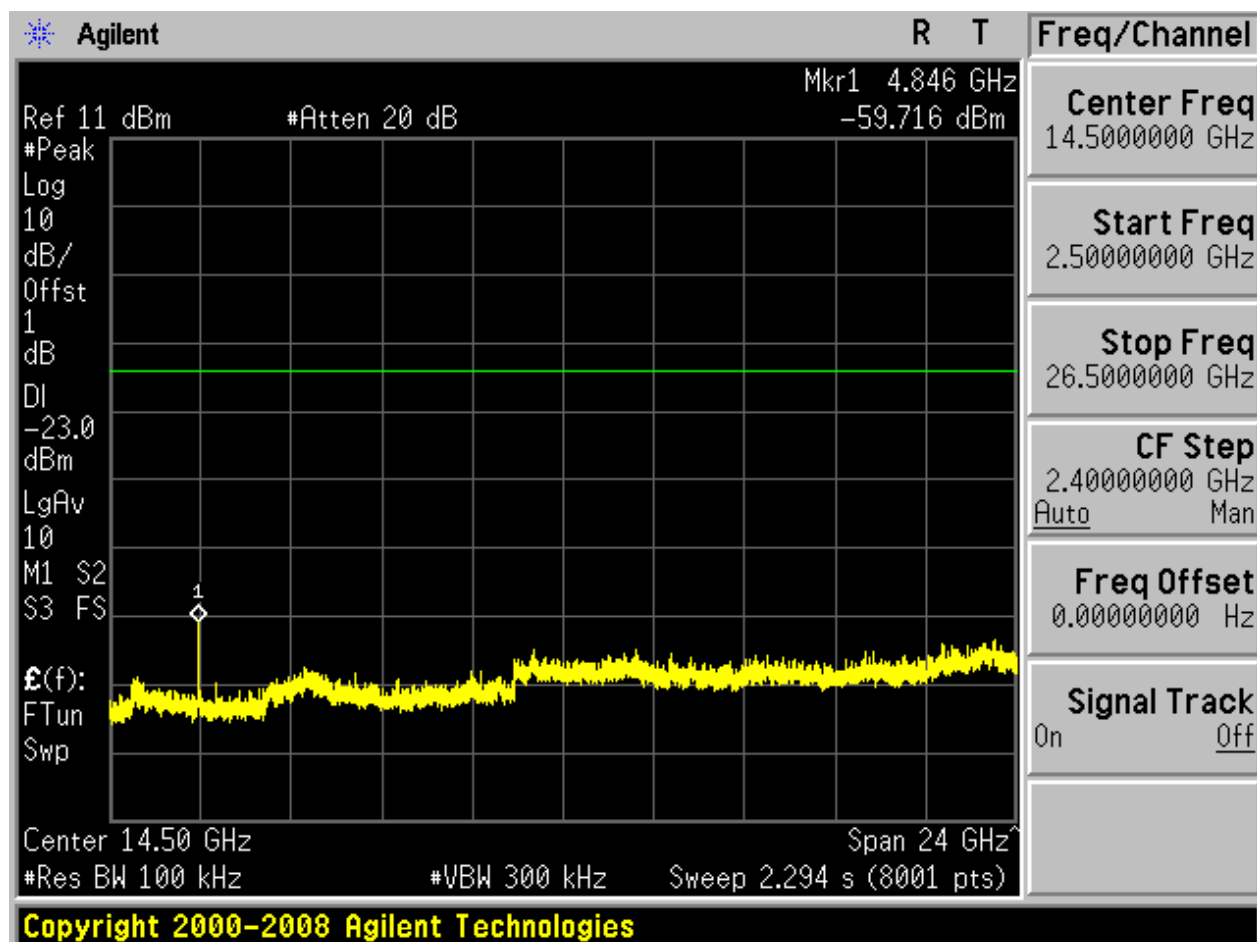






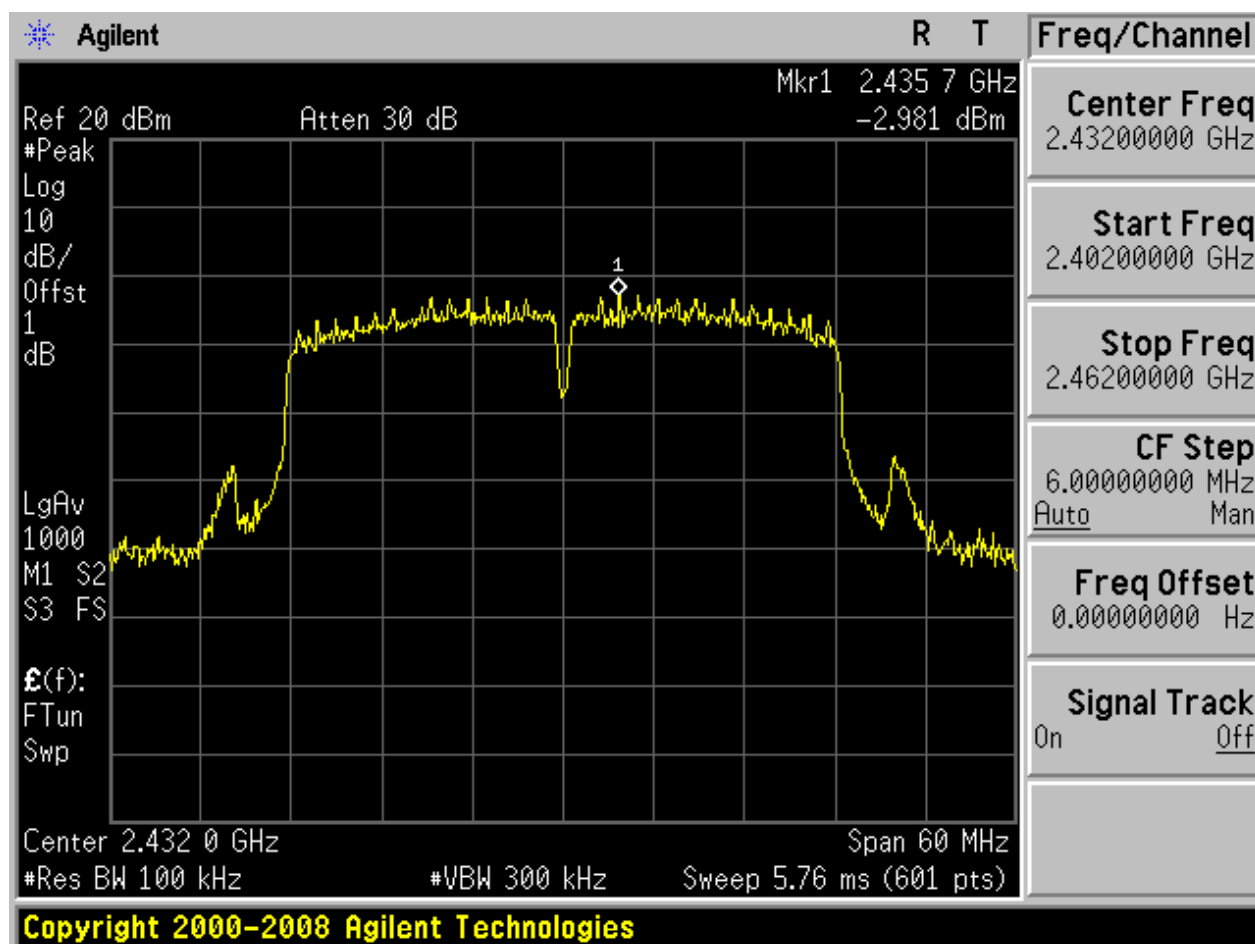




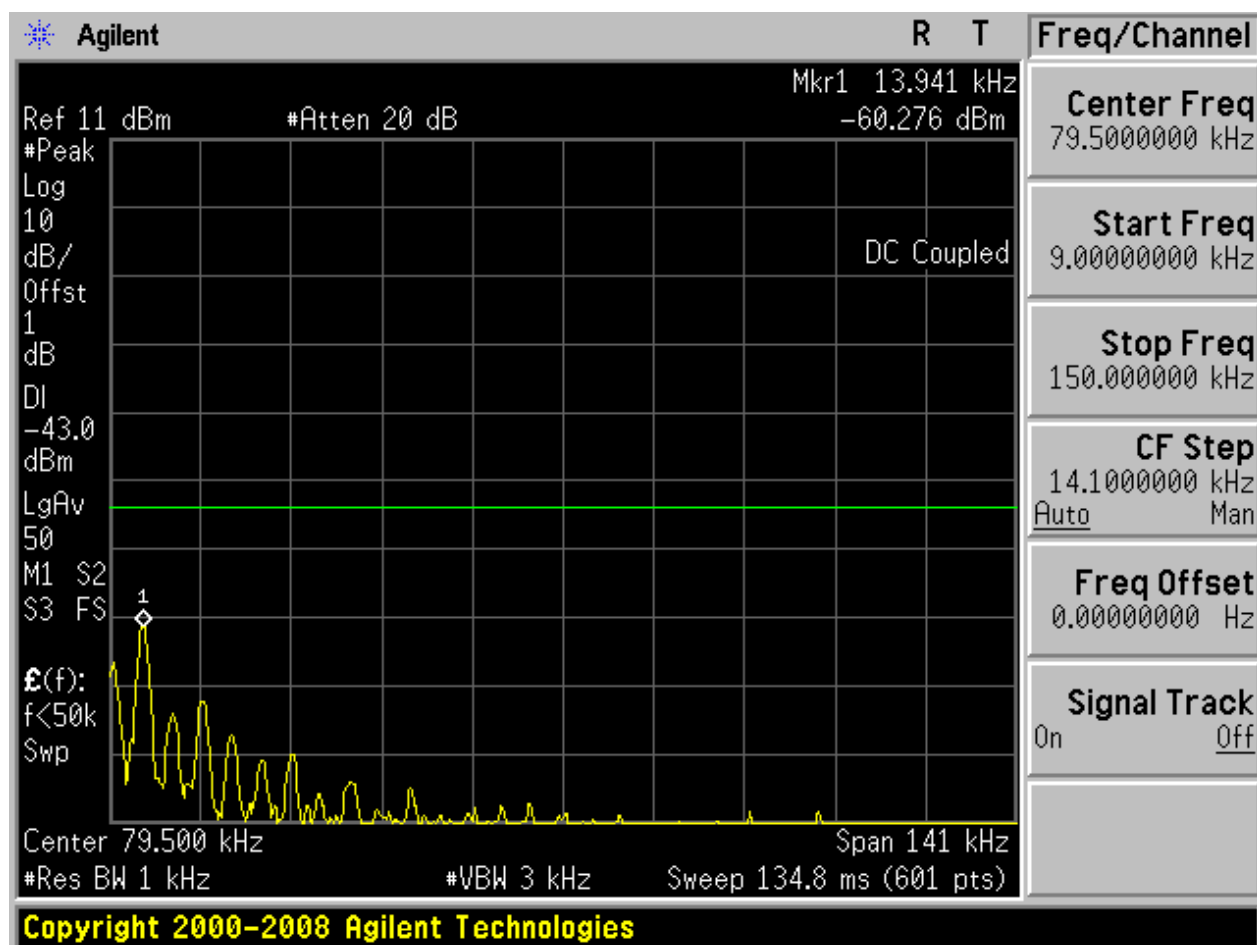


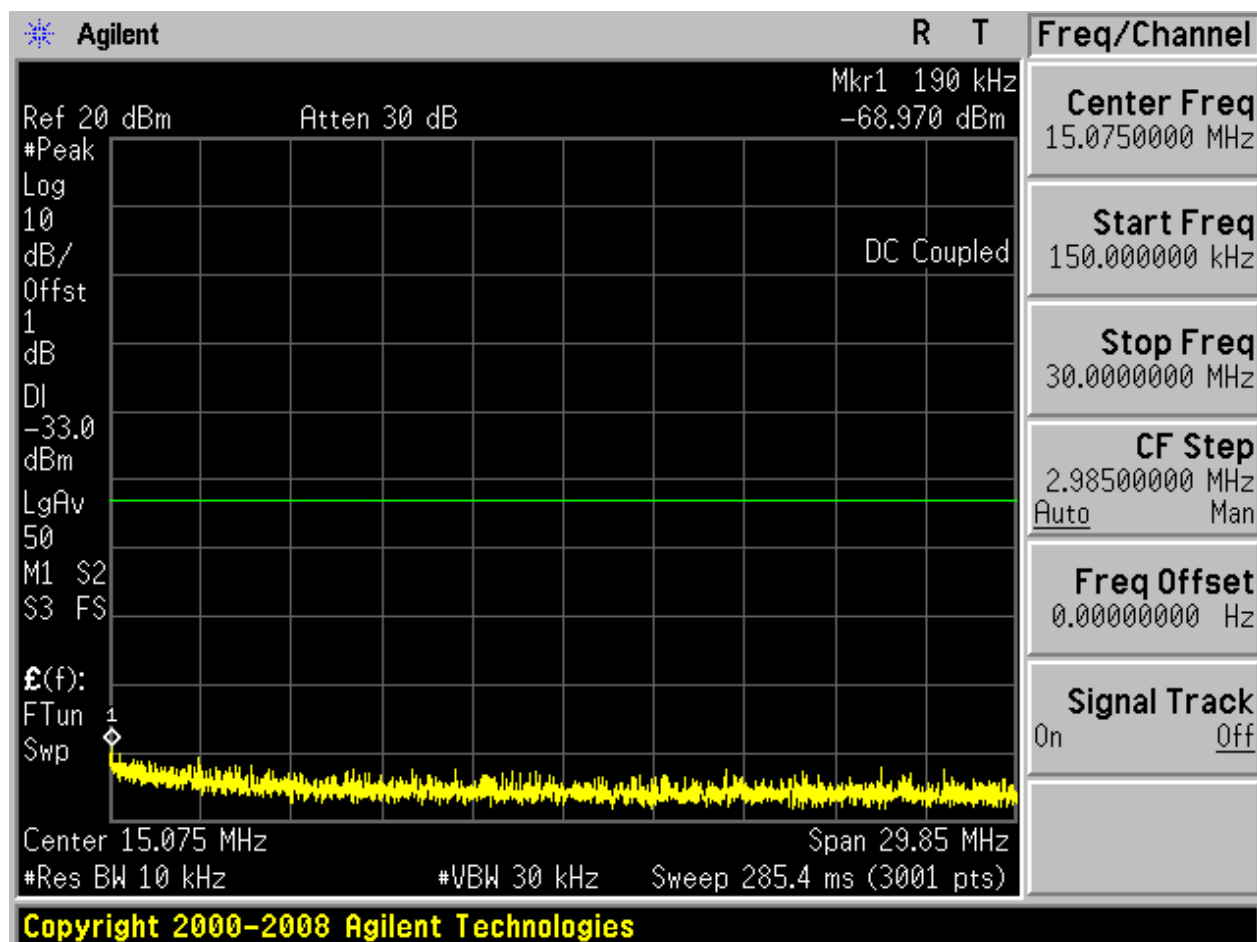
2.27 11N40_M@Ant 1

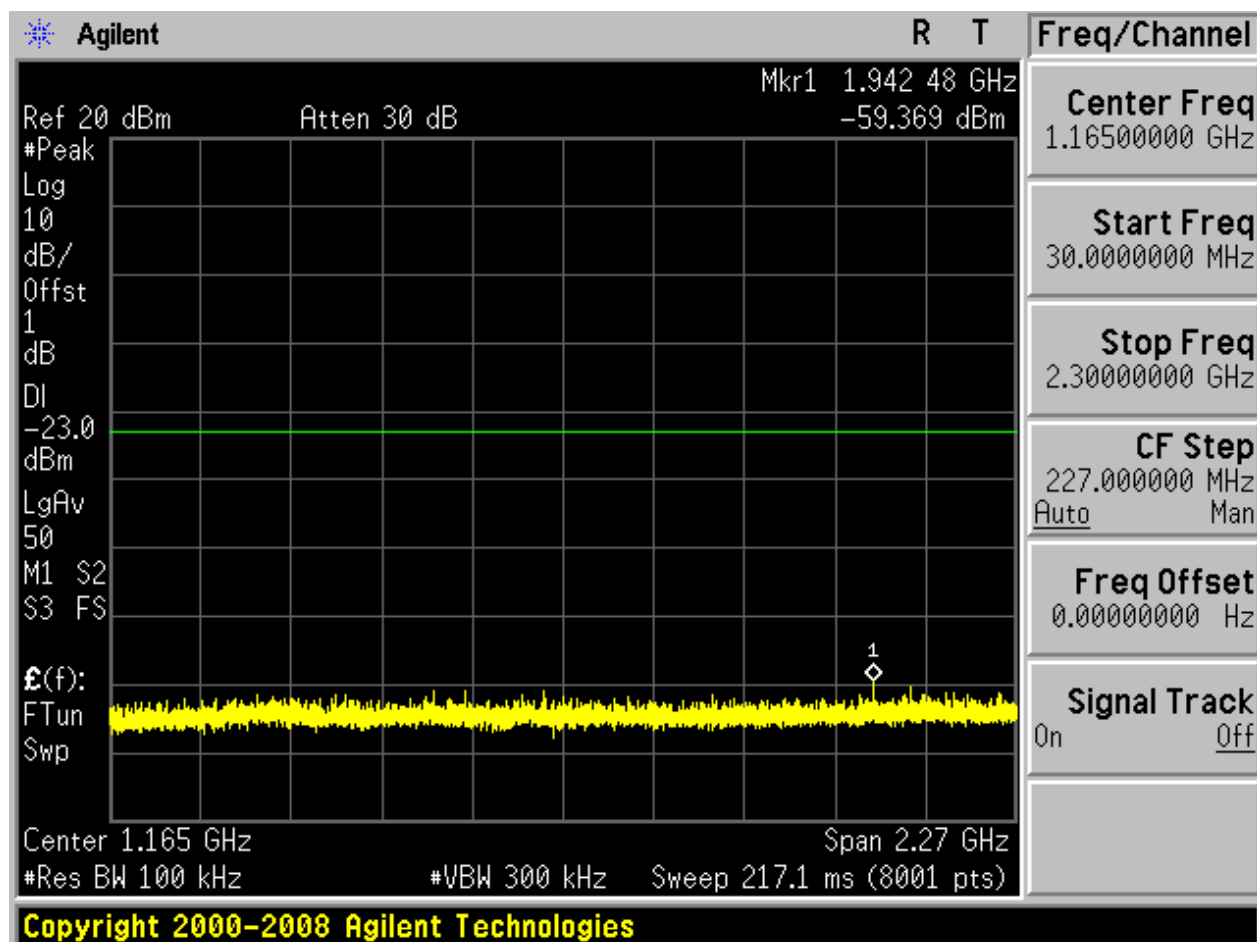
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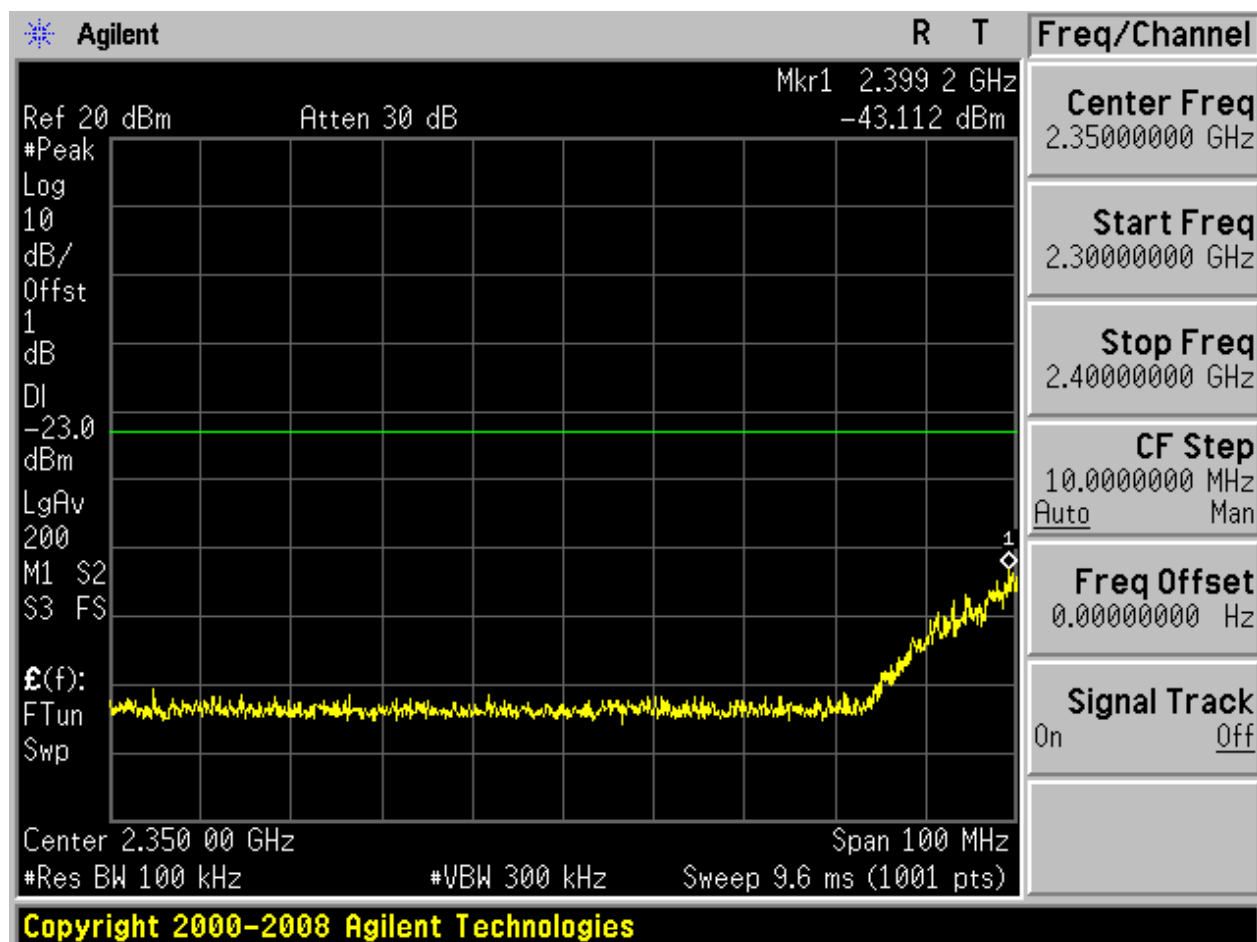


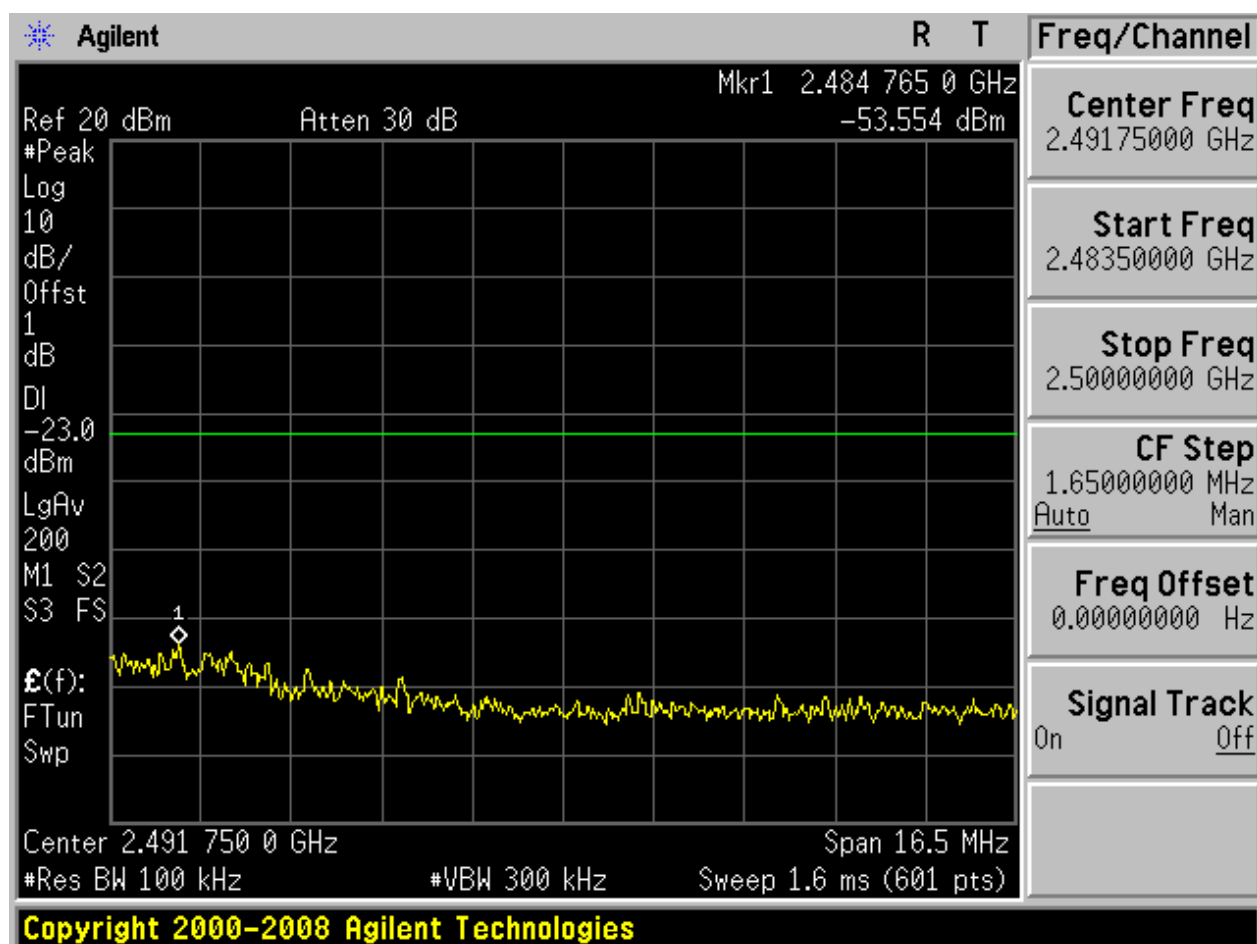
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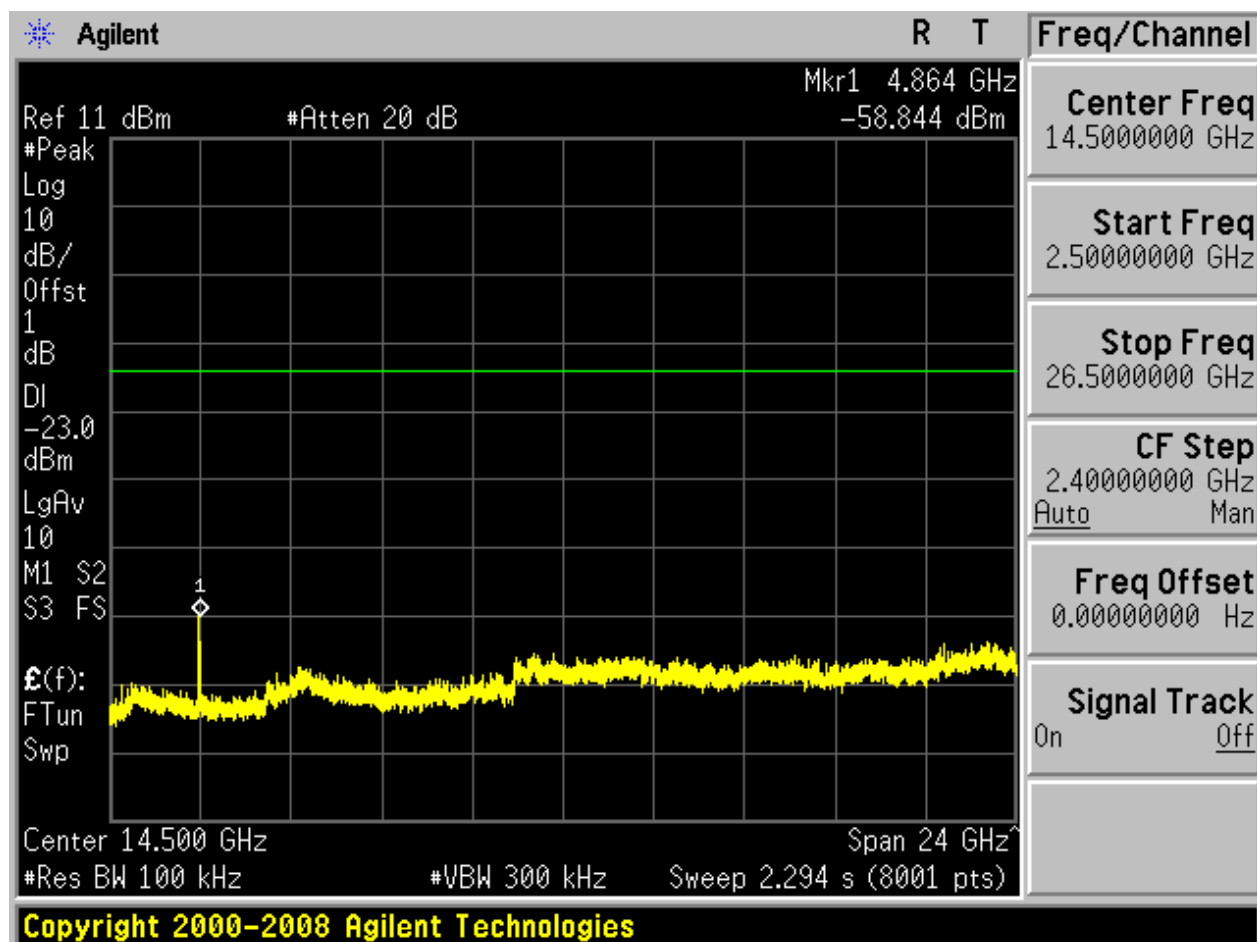






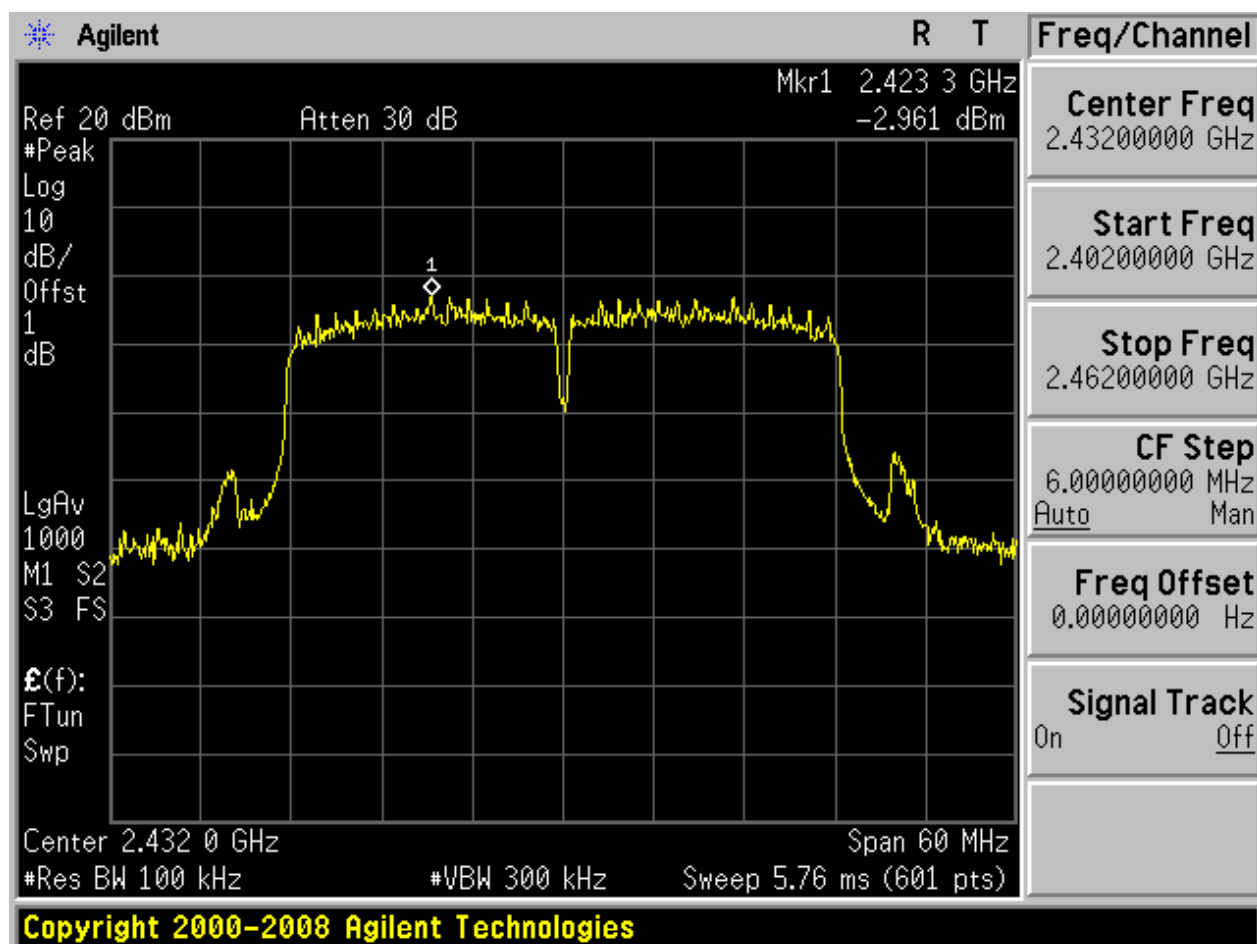




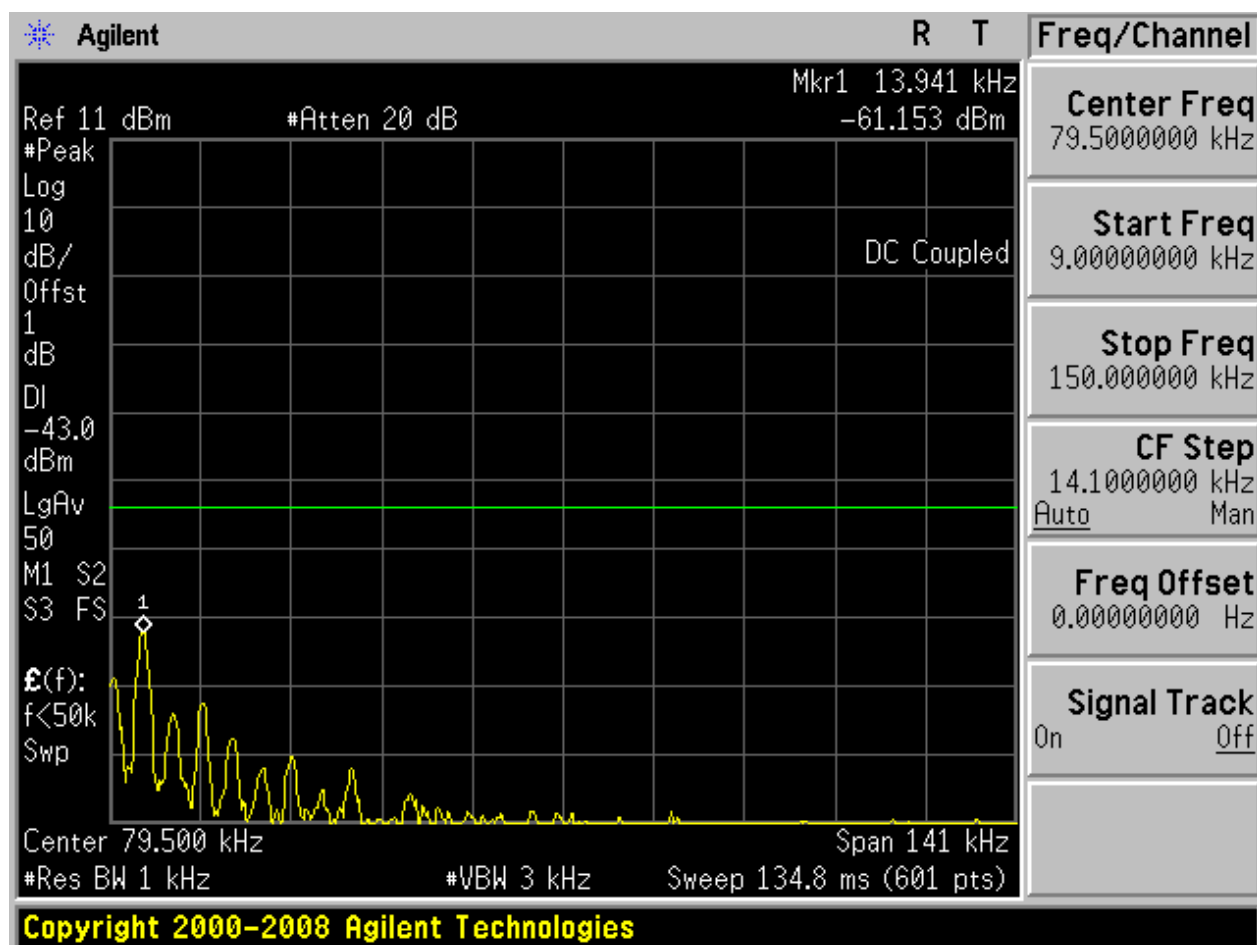


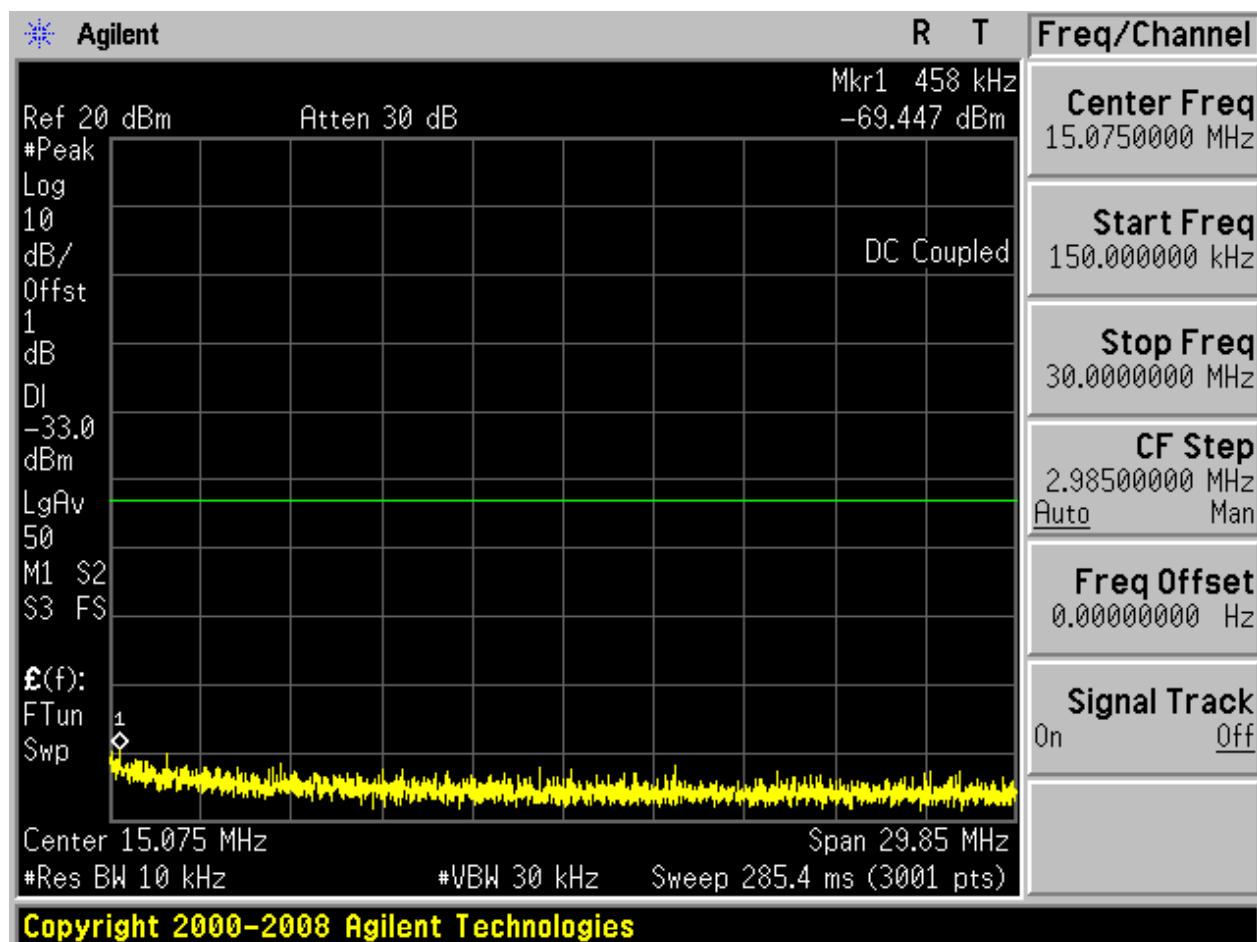
2.28 11N40_M@Ant 2

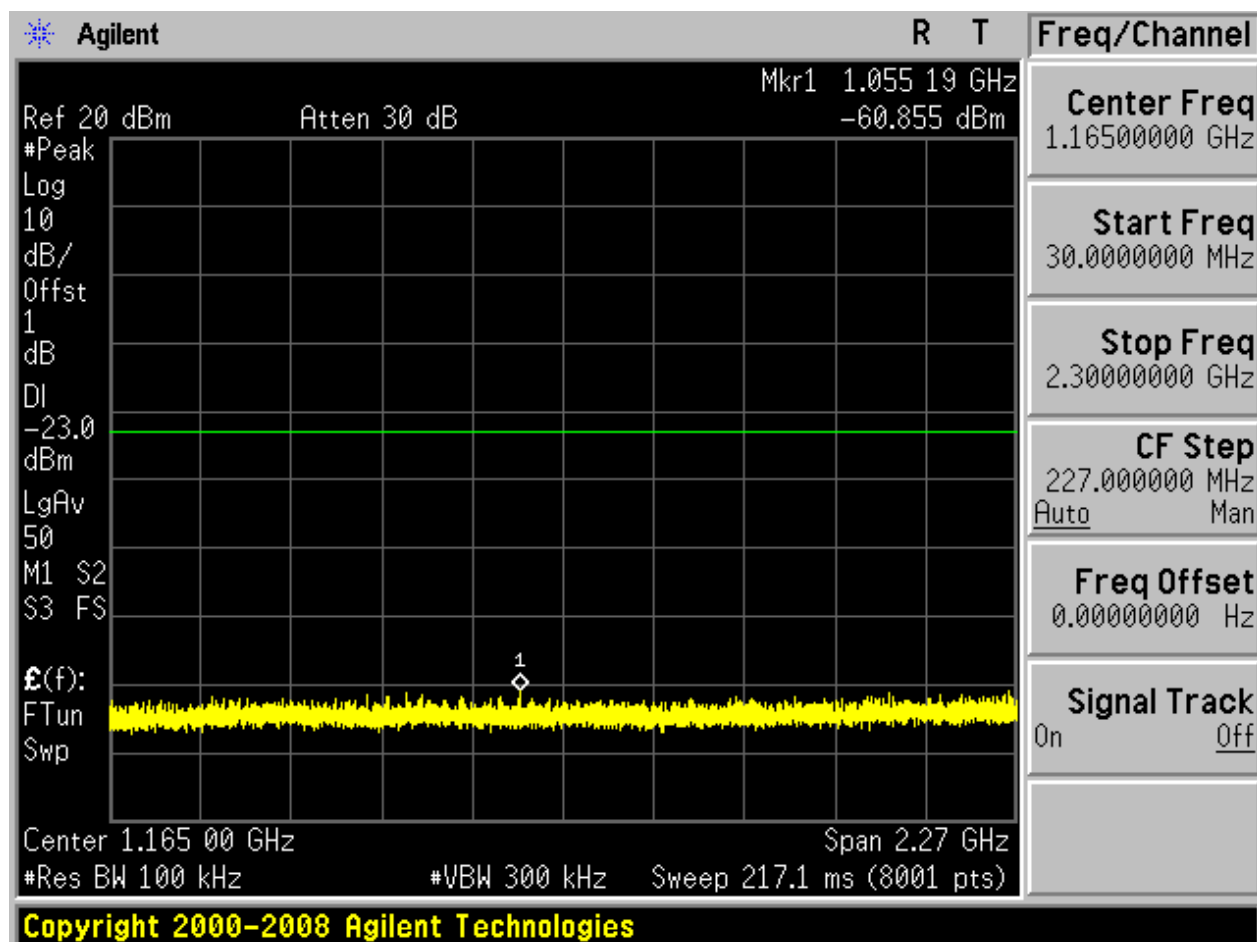
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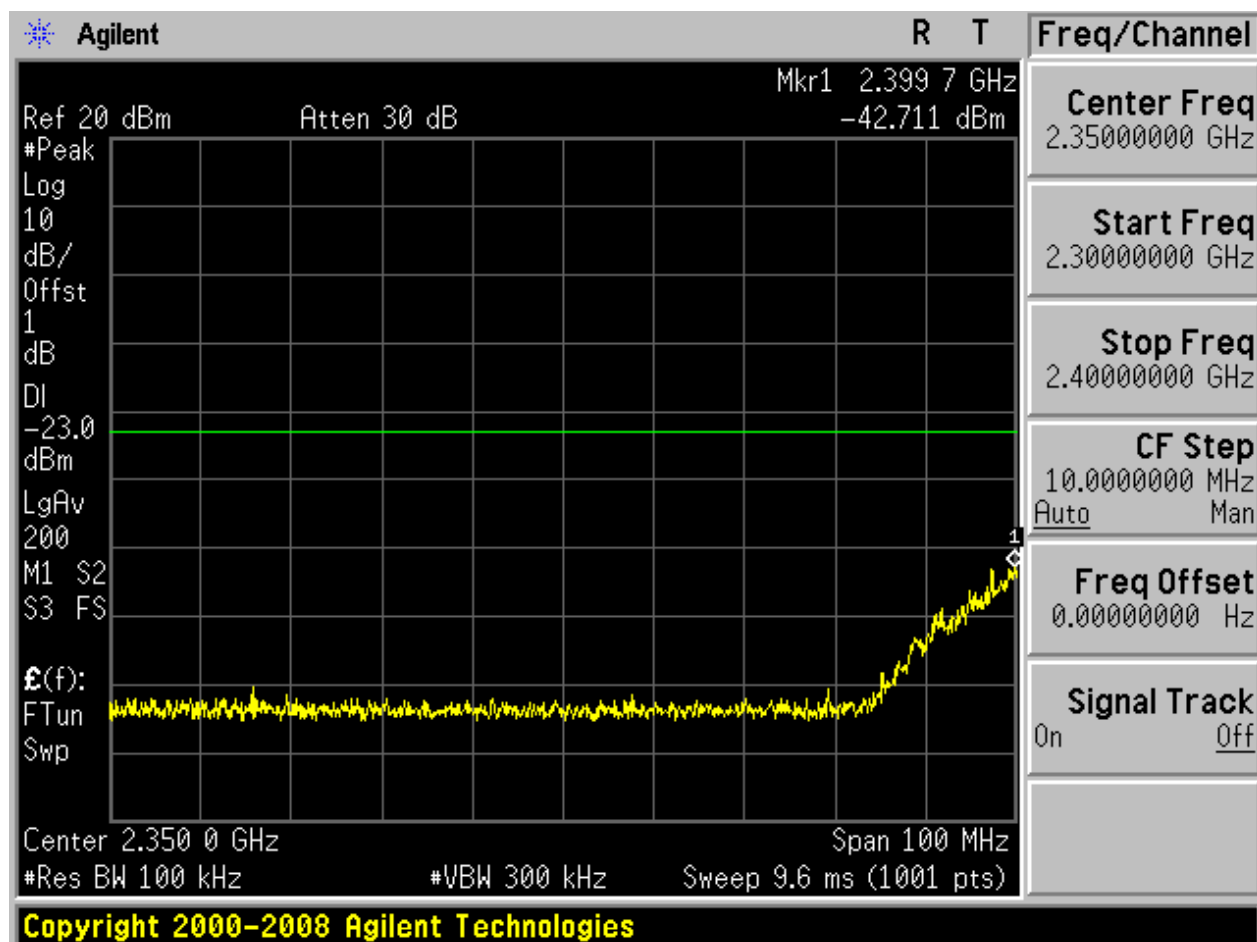


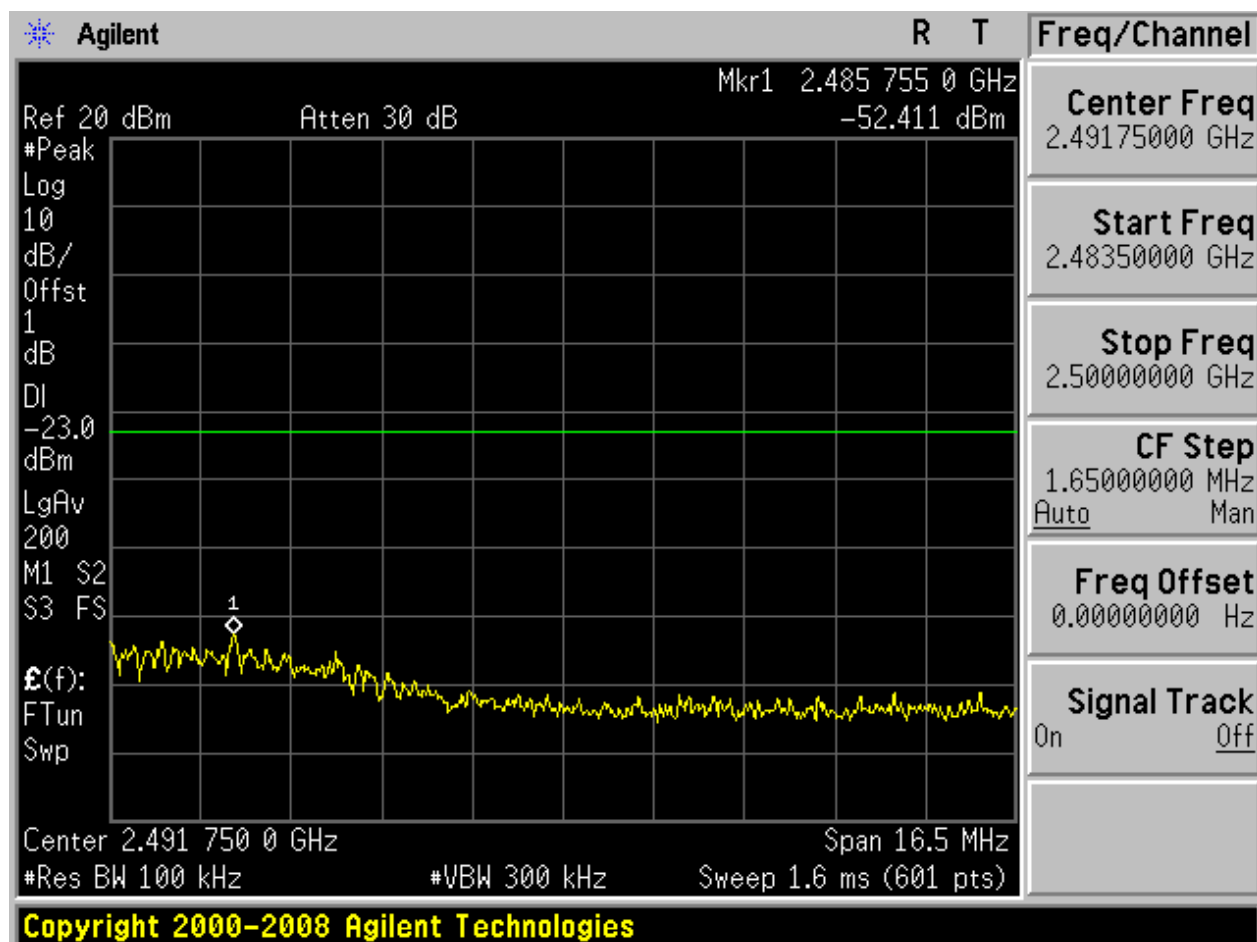
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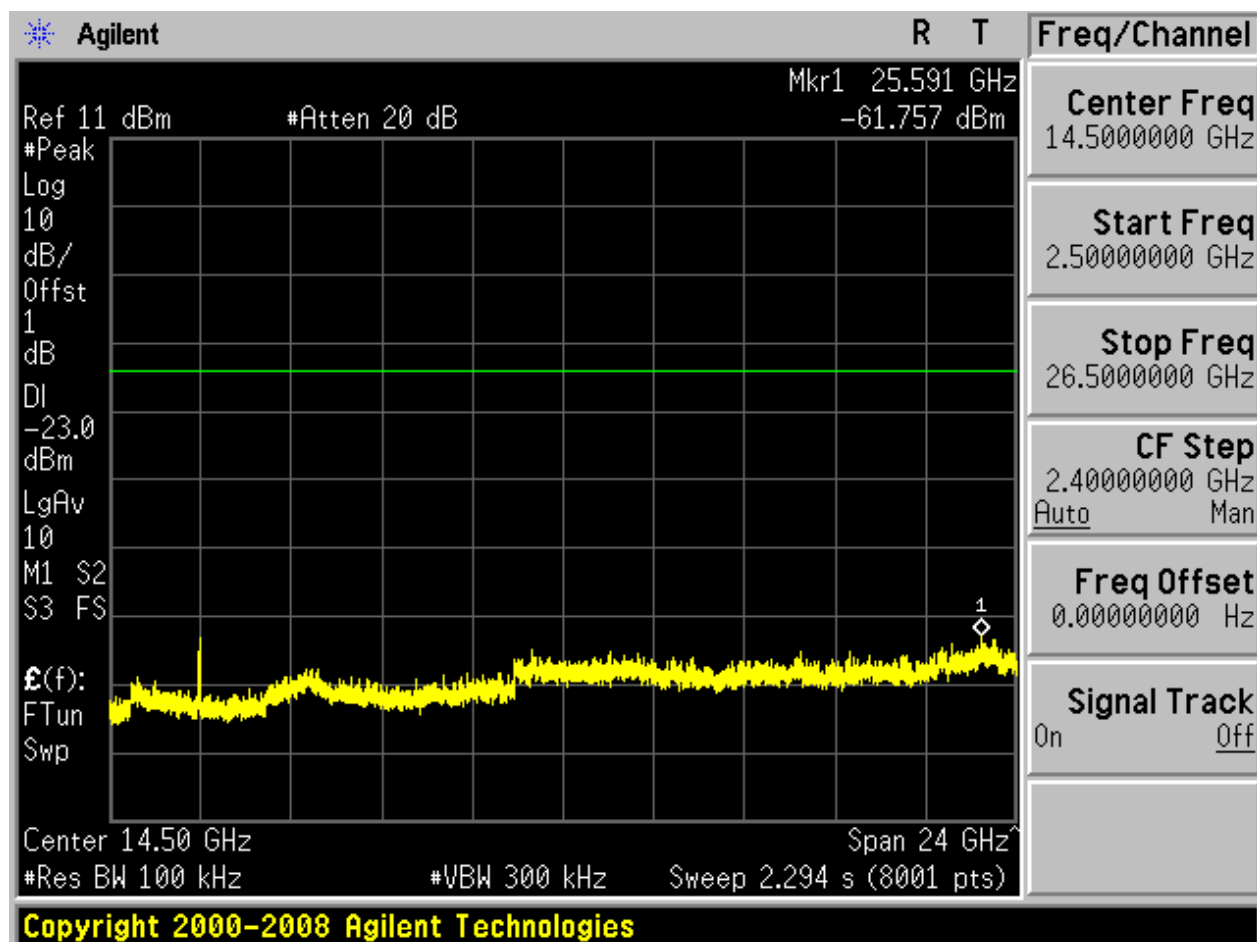






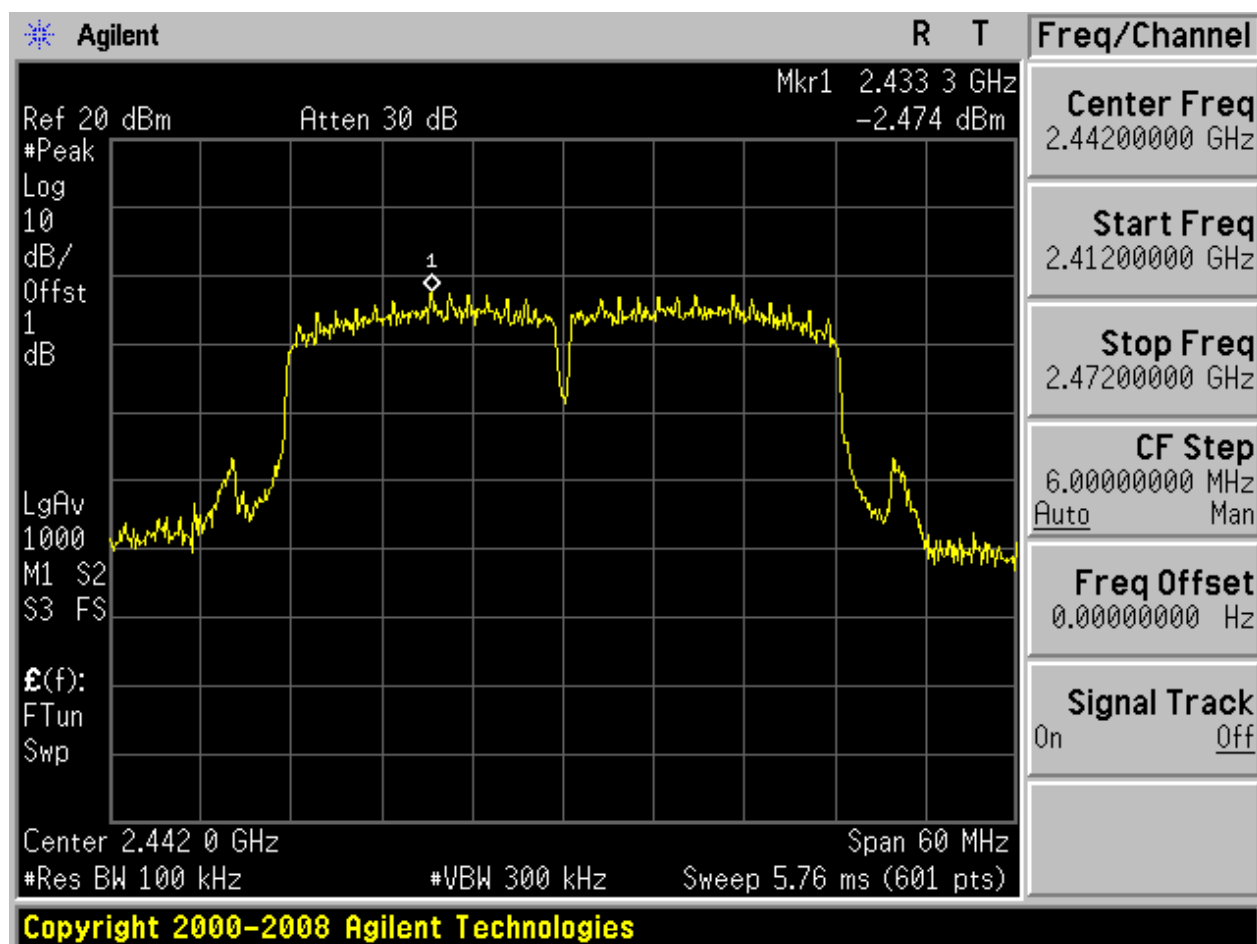




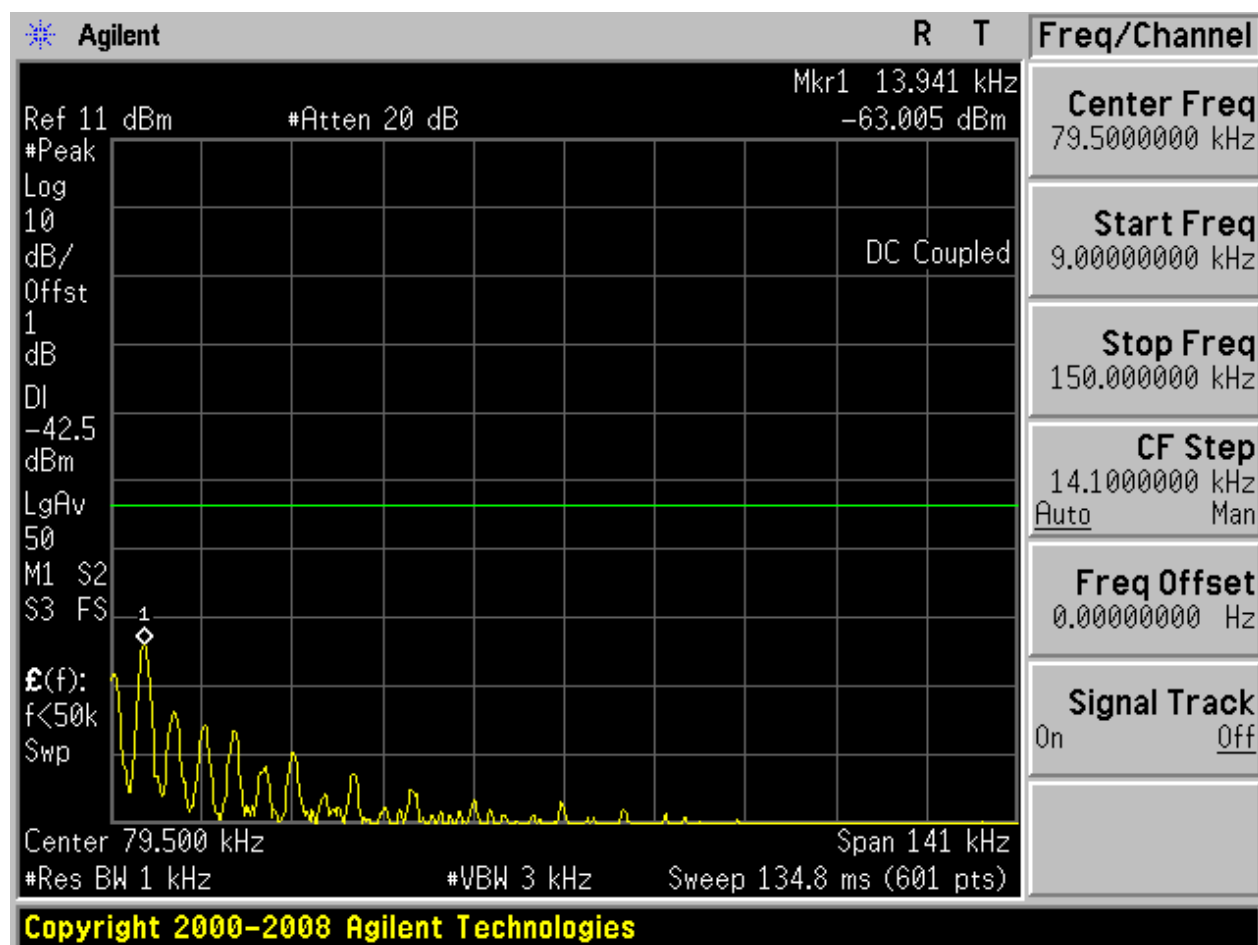


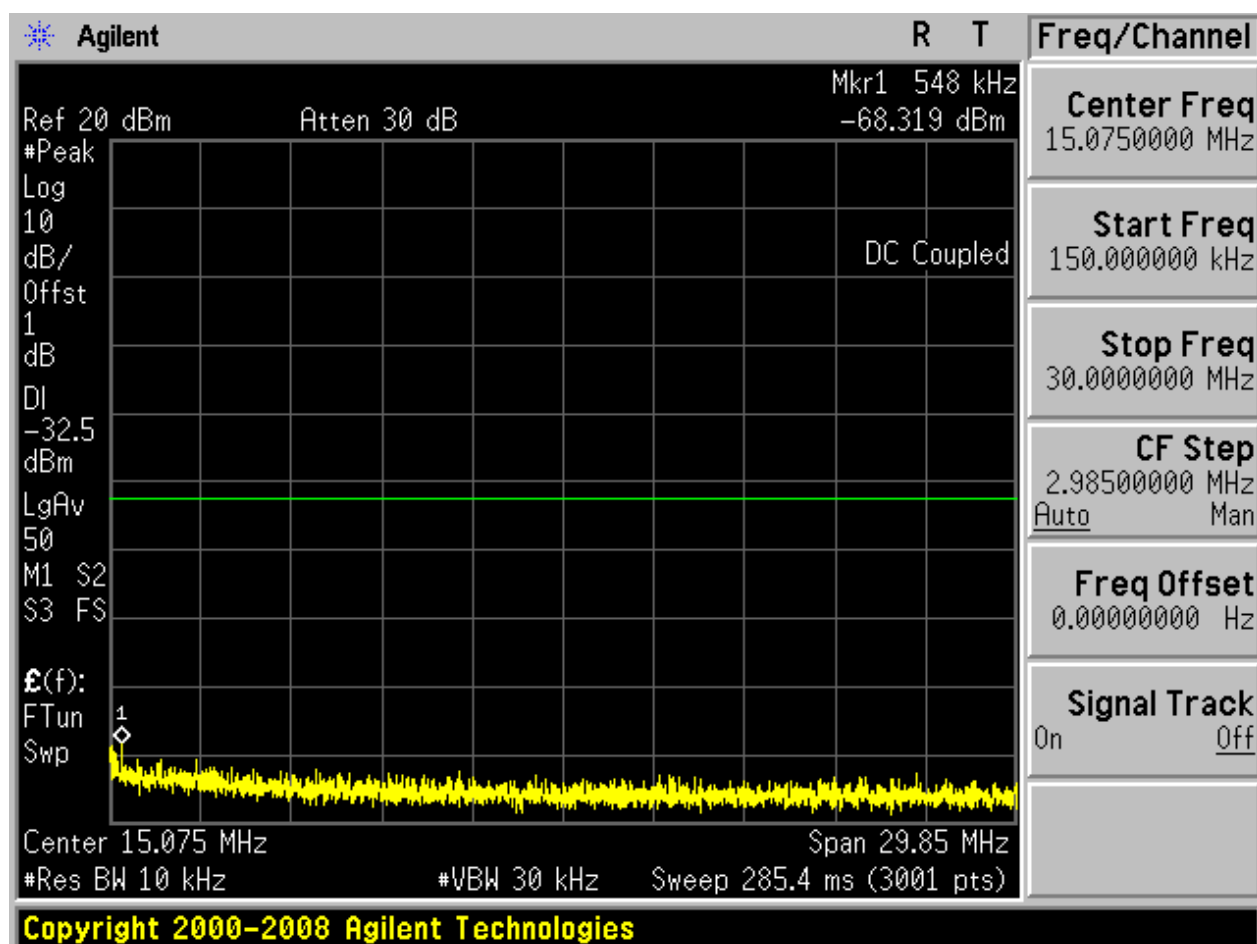
2.29 11N40_H@Ant 1

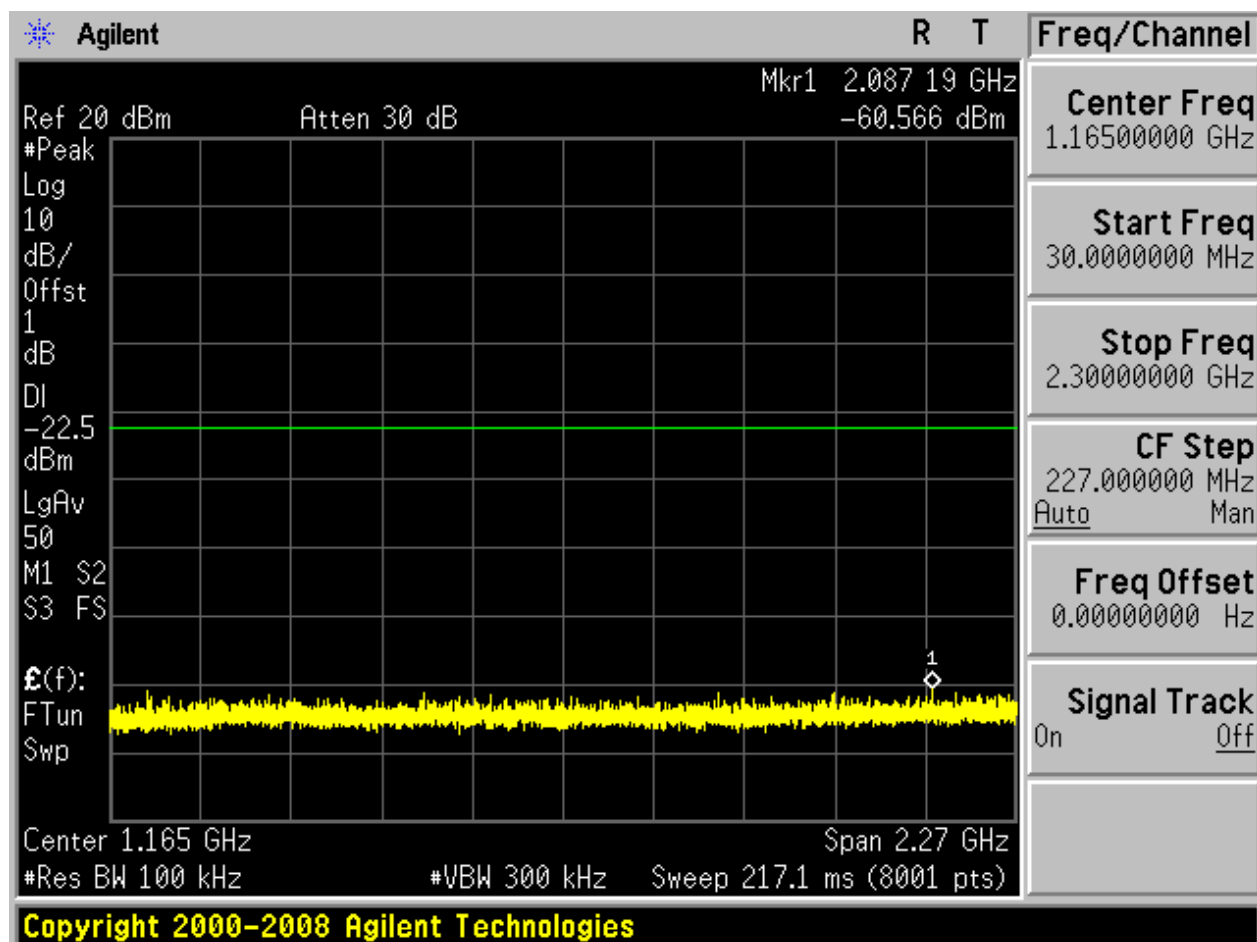
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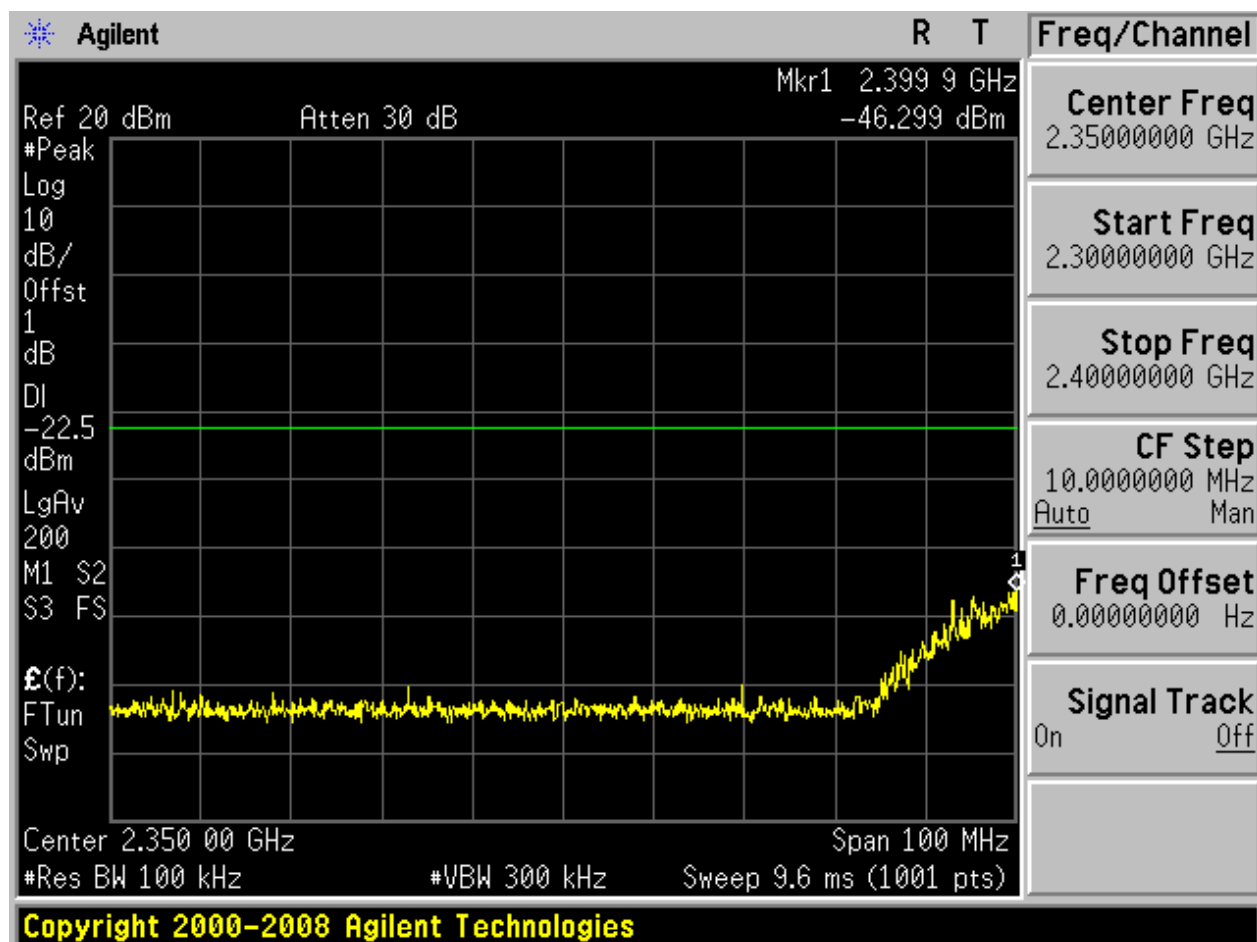


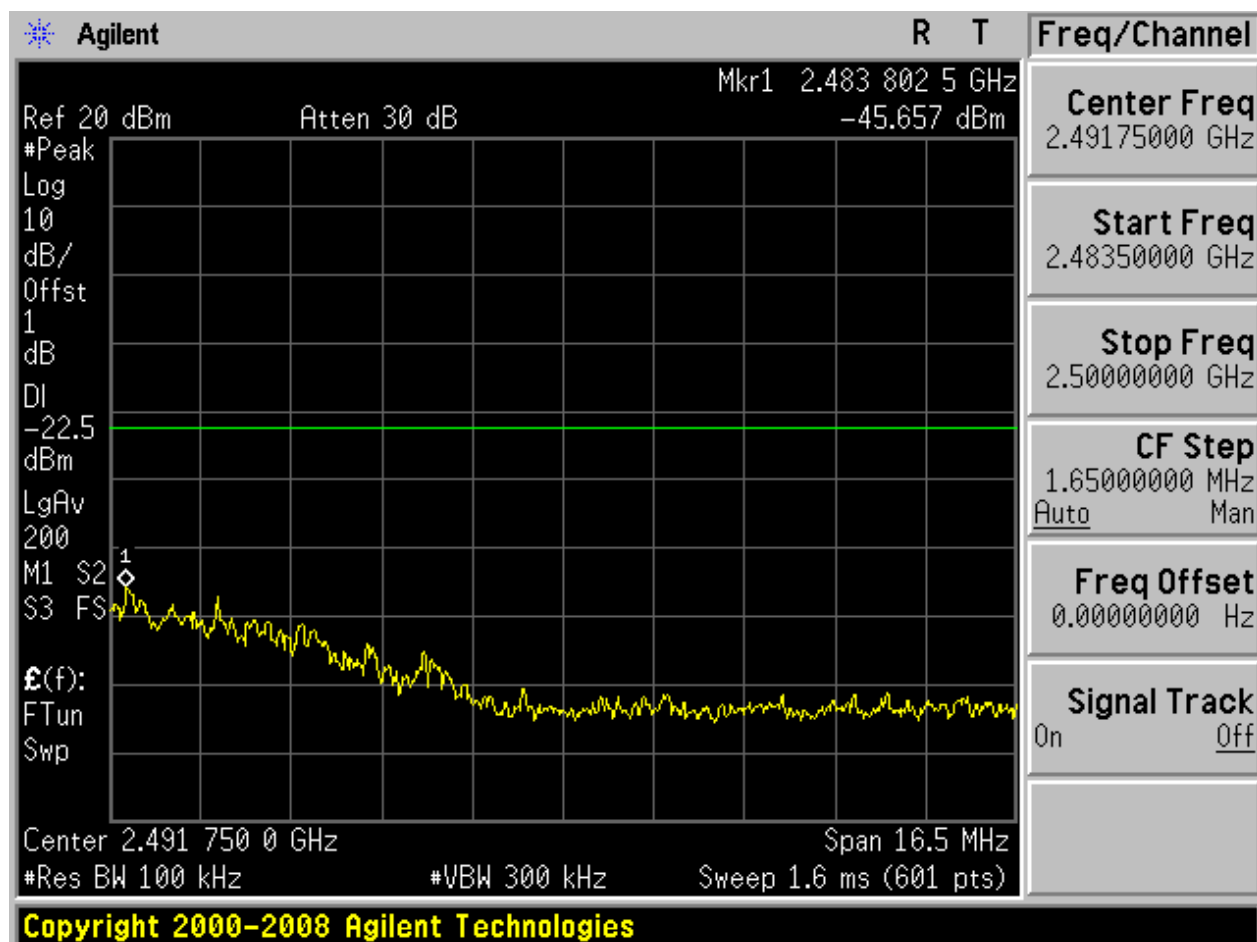
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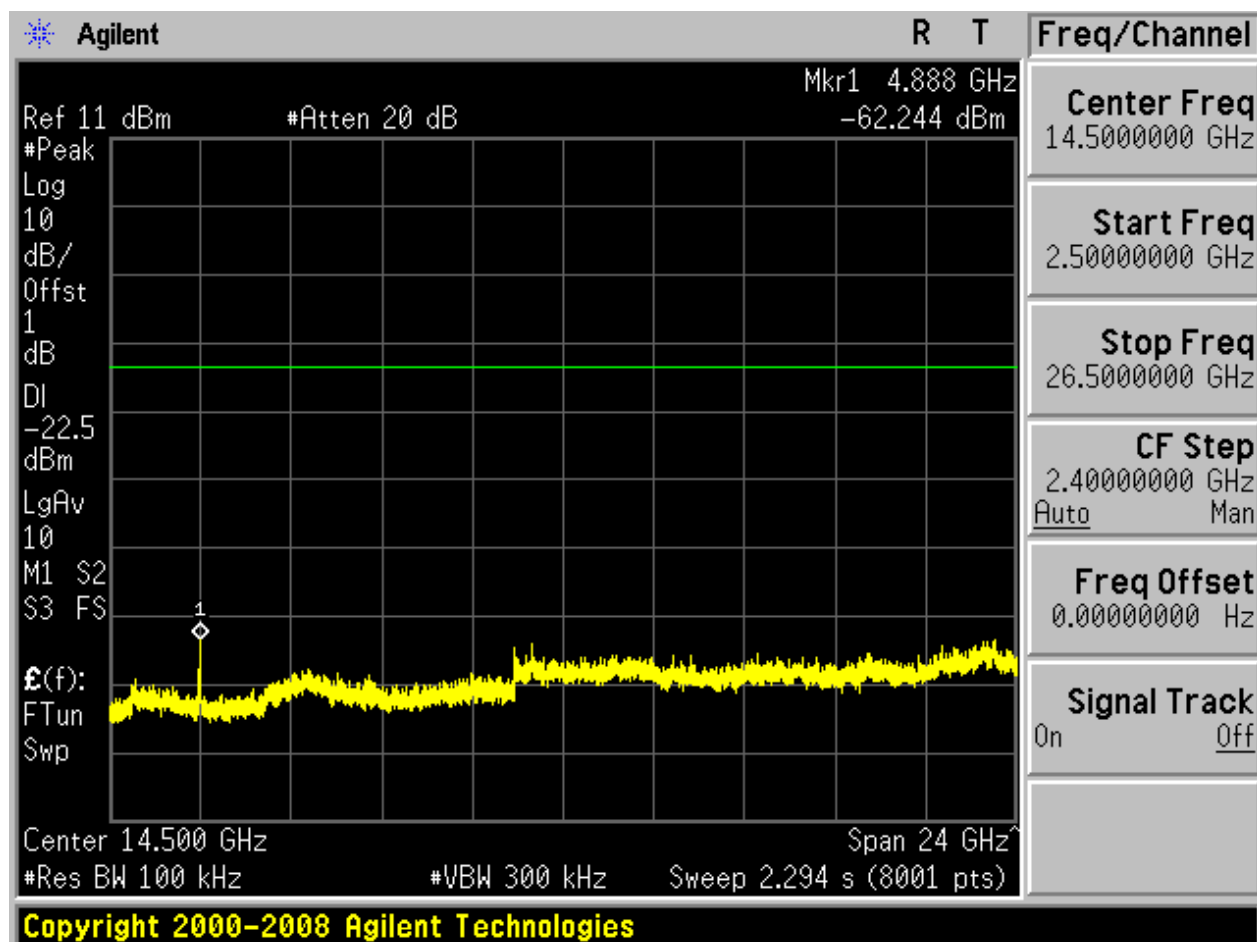








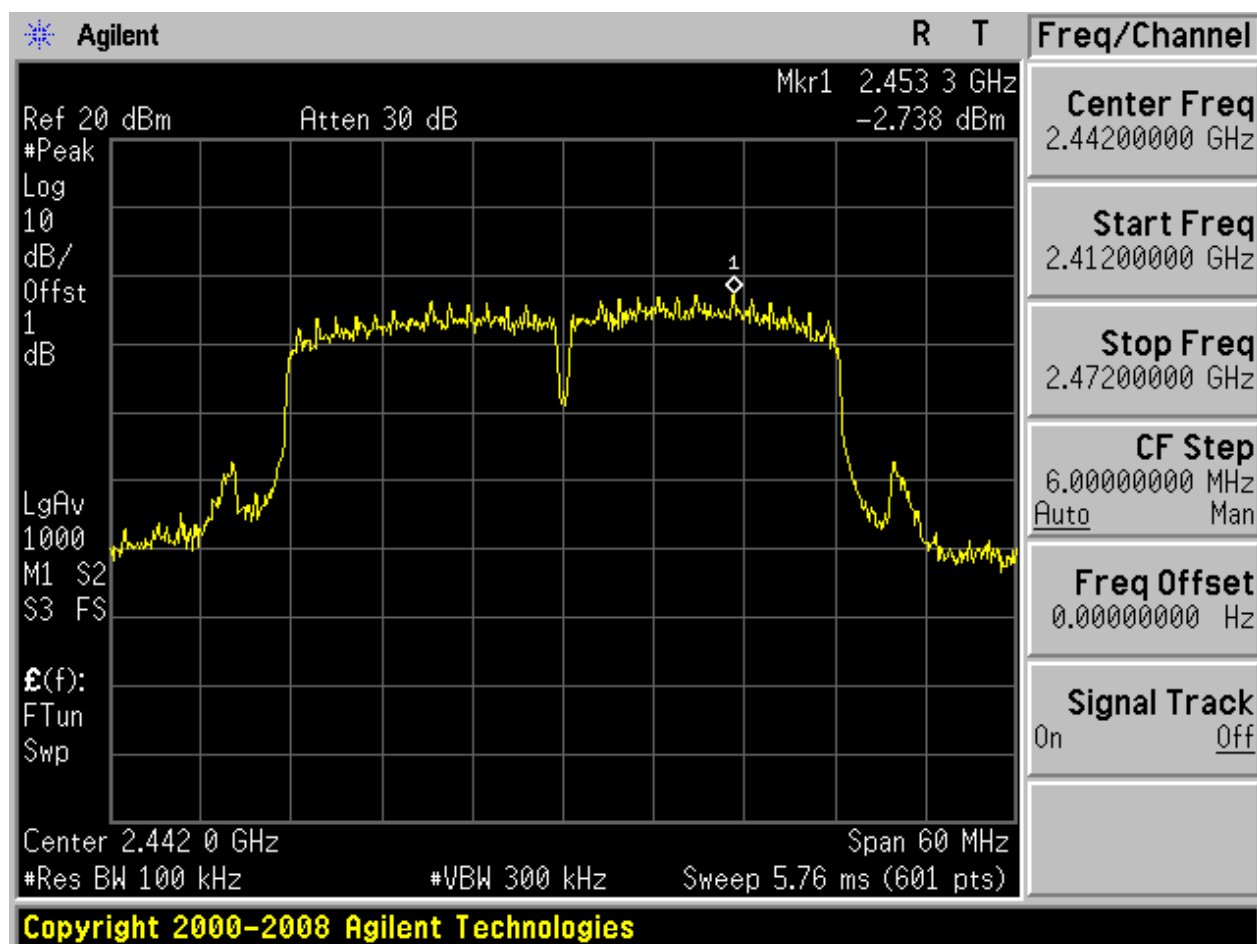




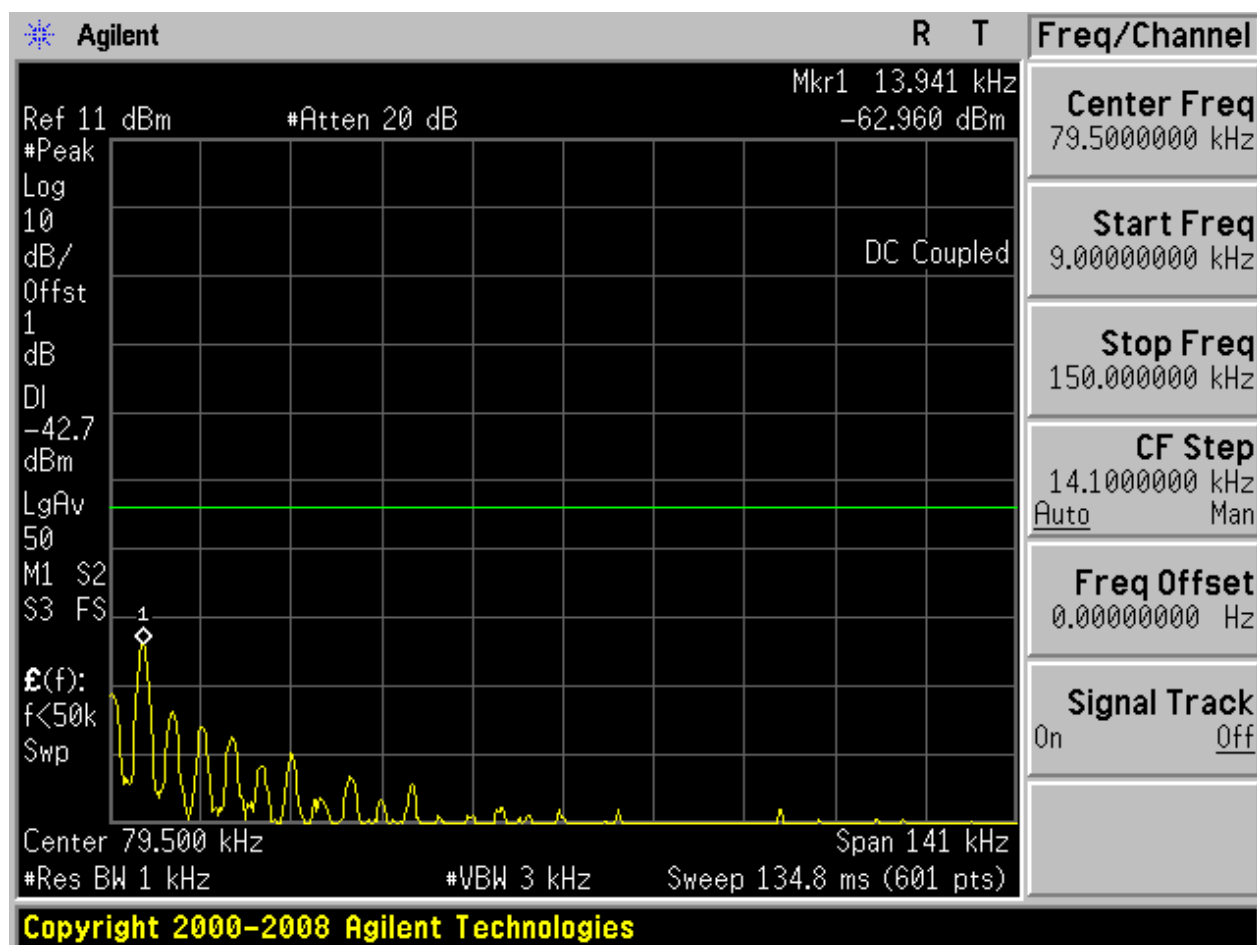


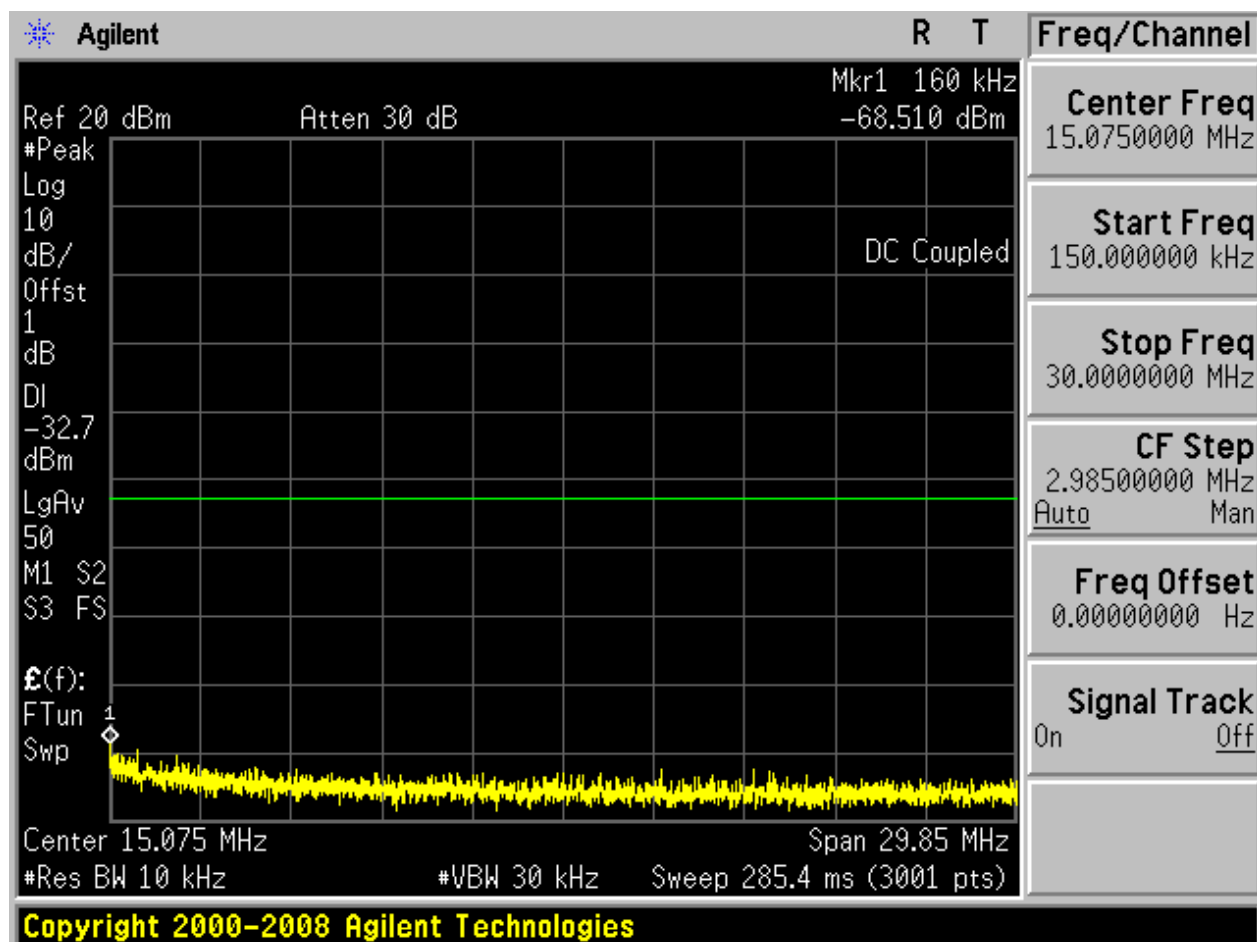
2.30 11N40_H@Ant 2

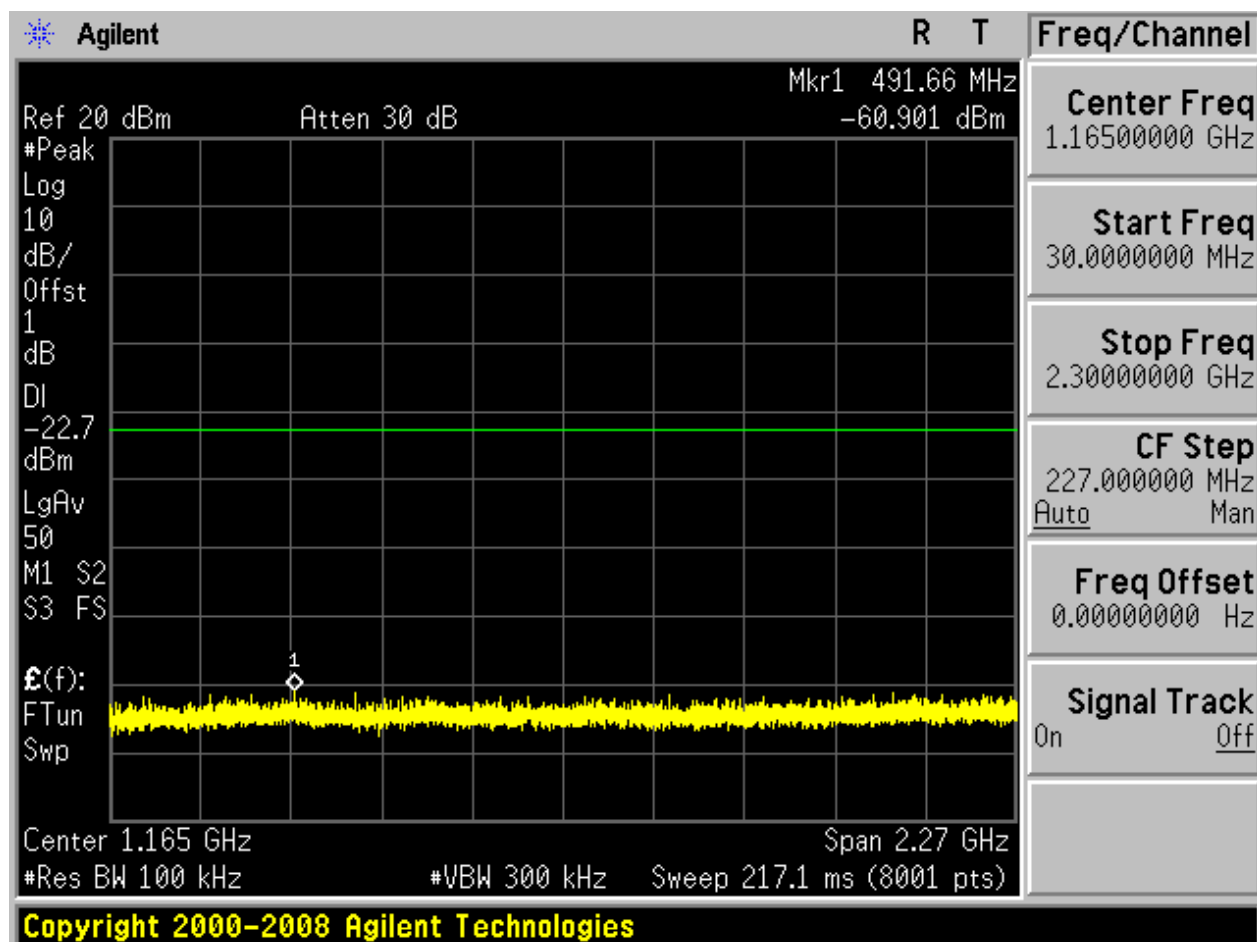
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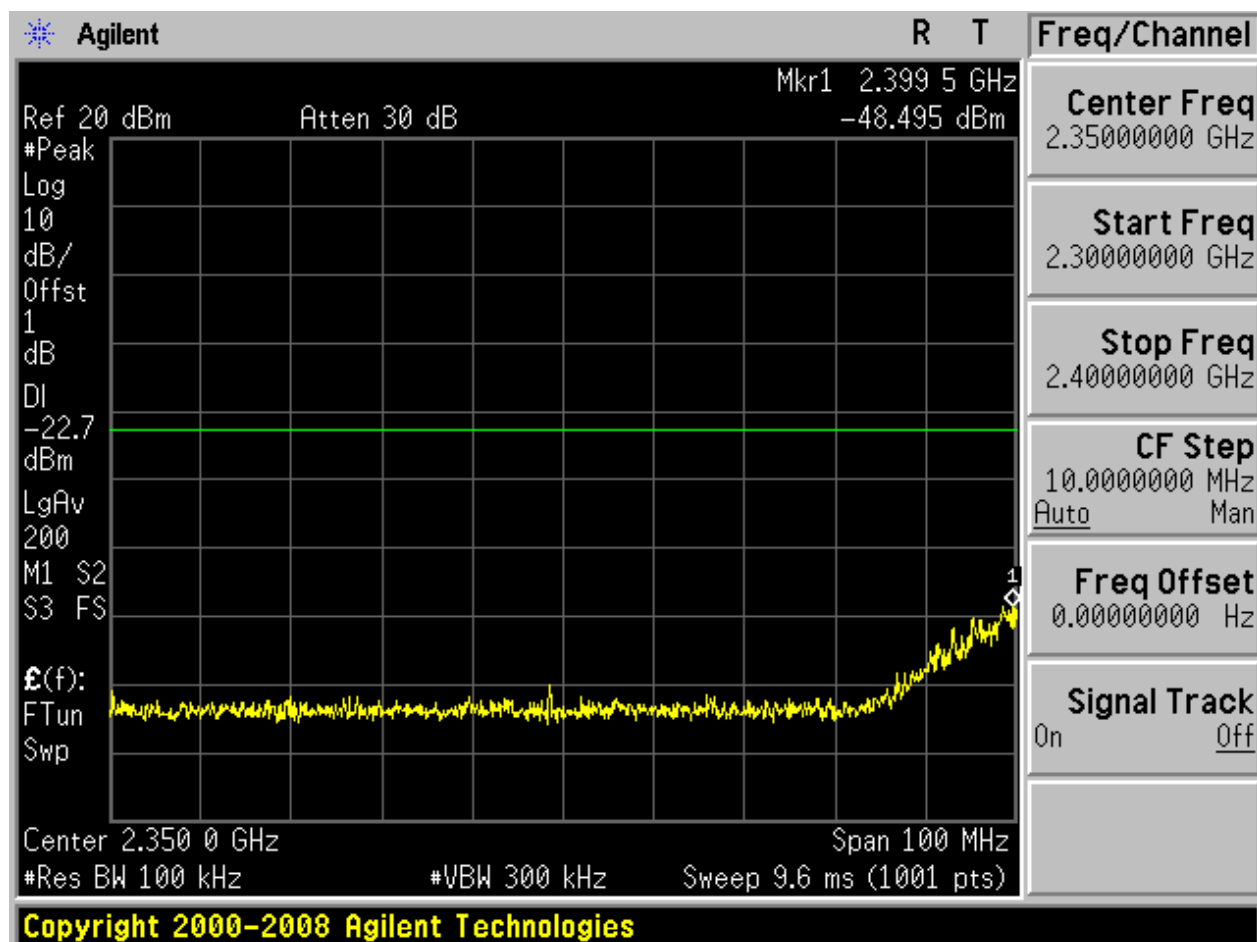


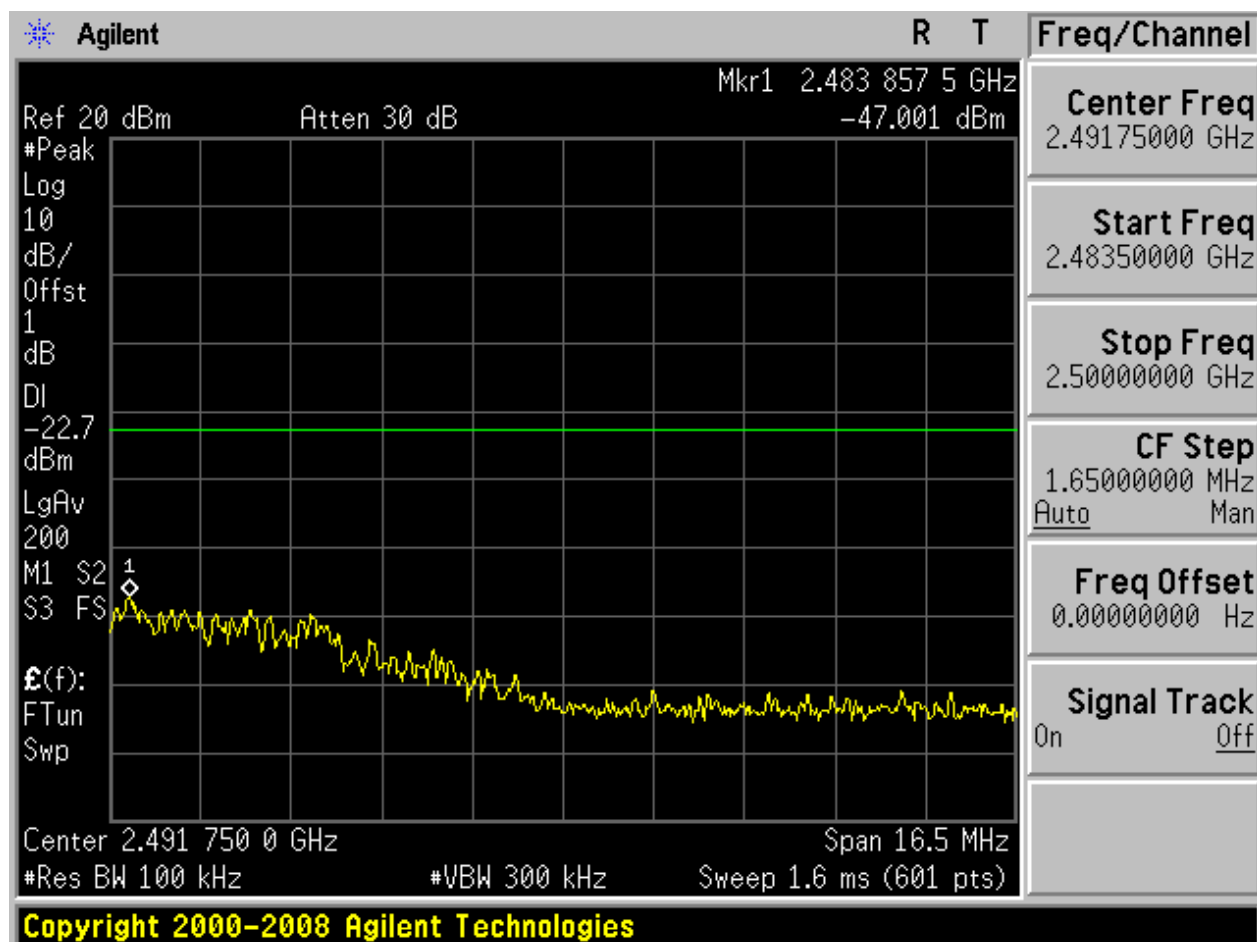
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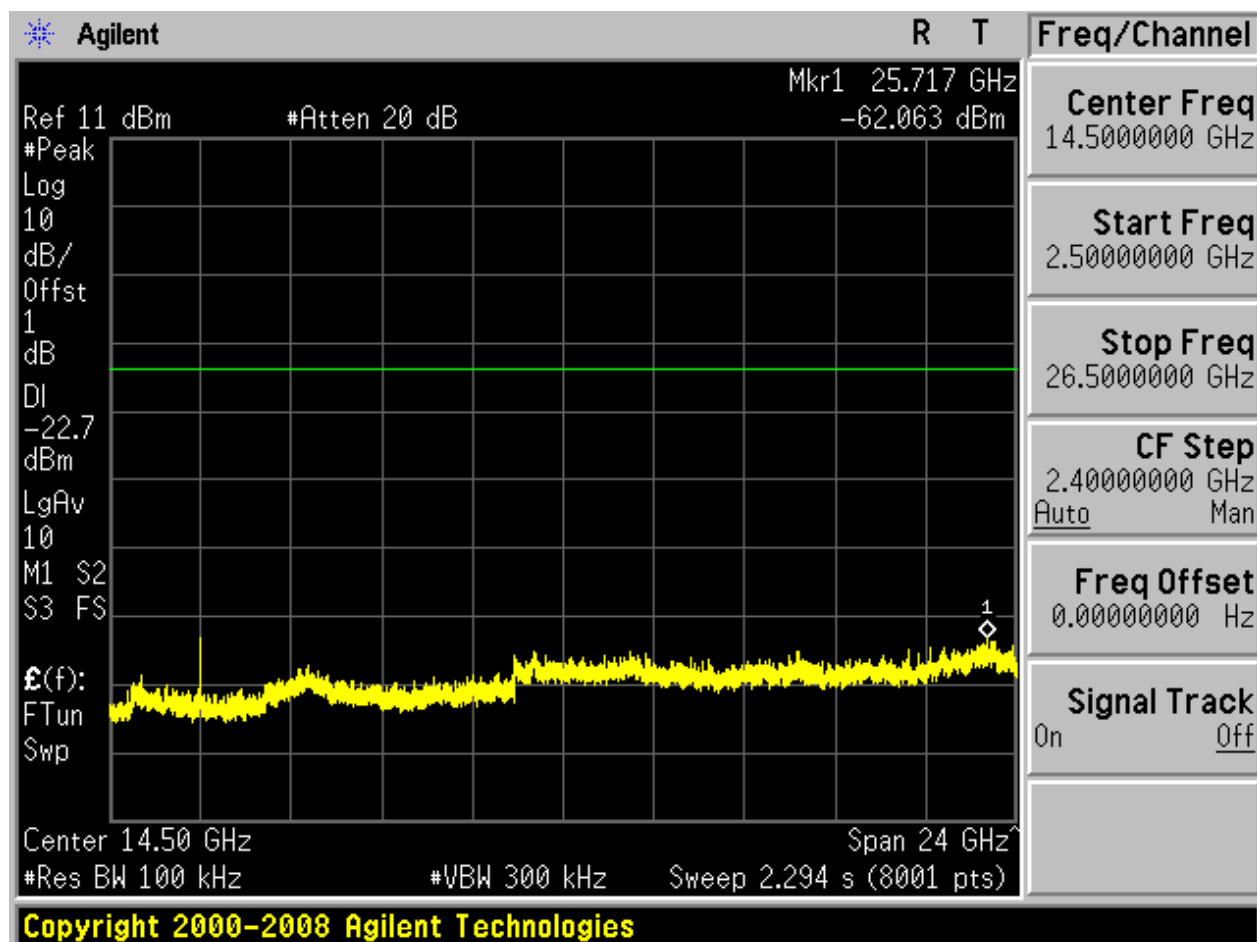






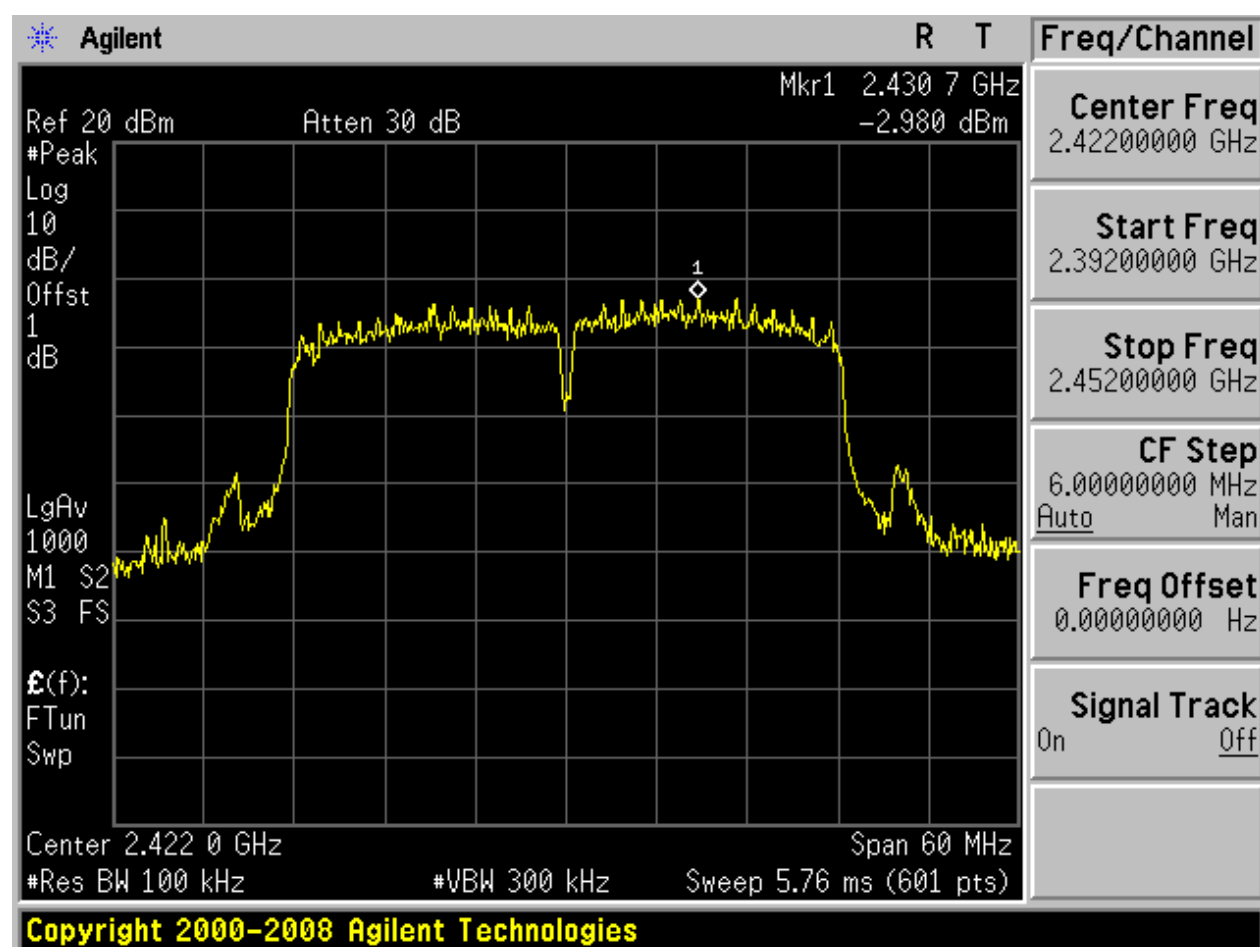




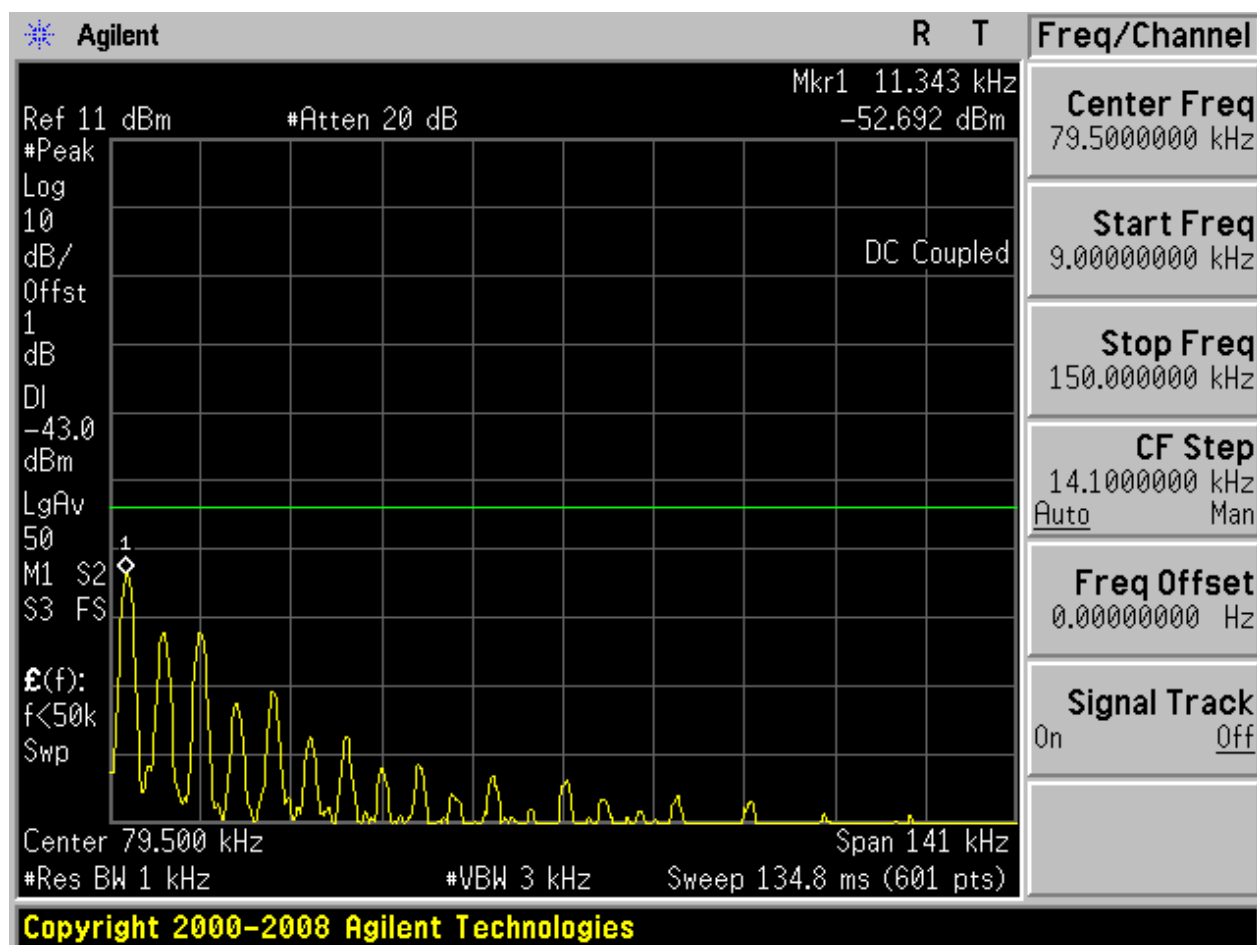


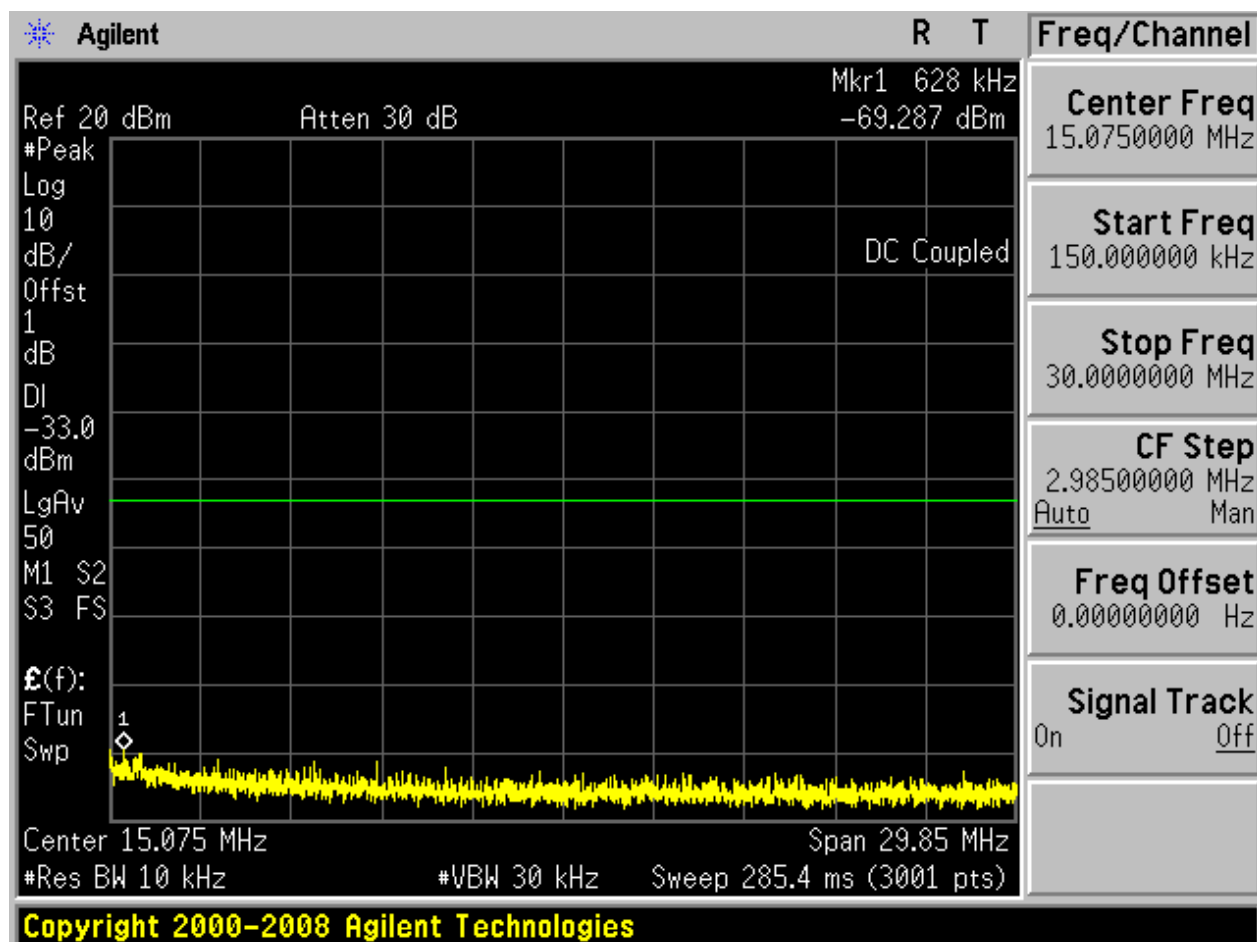
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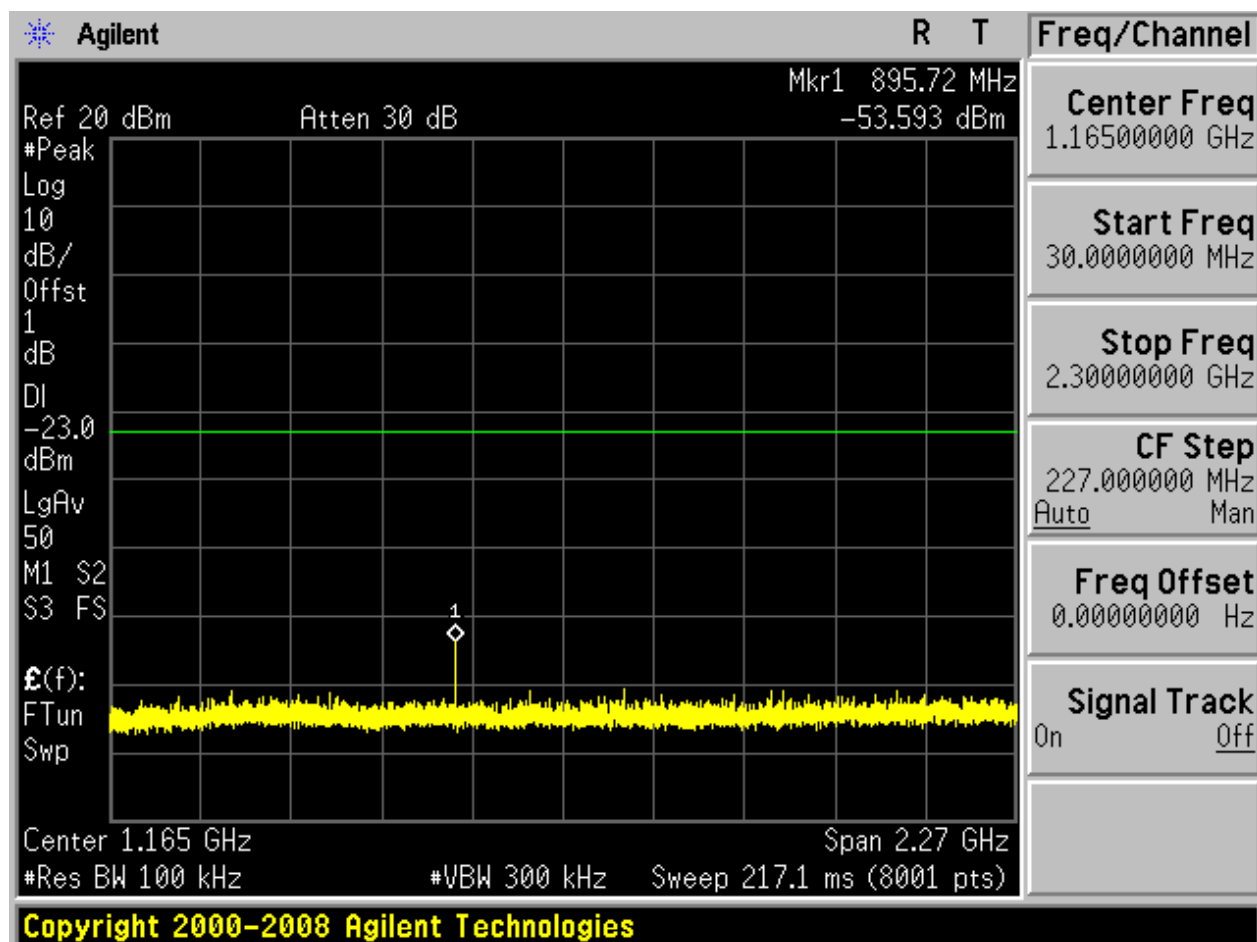
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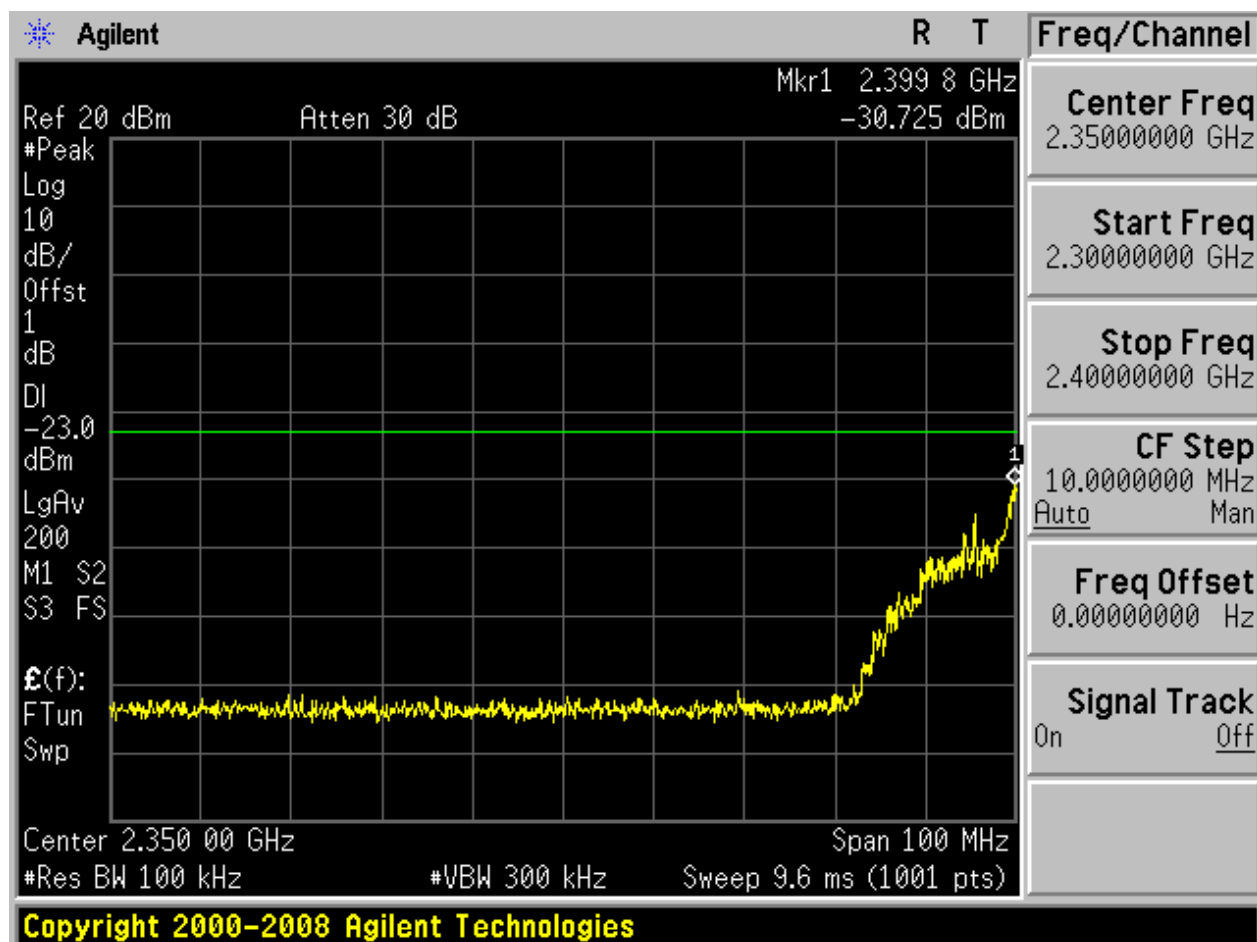


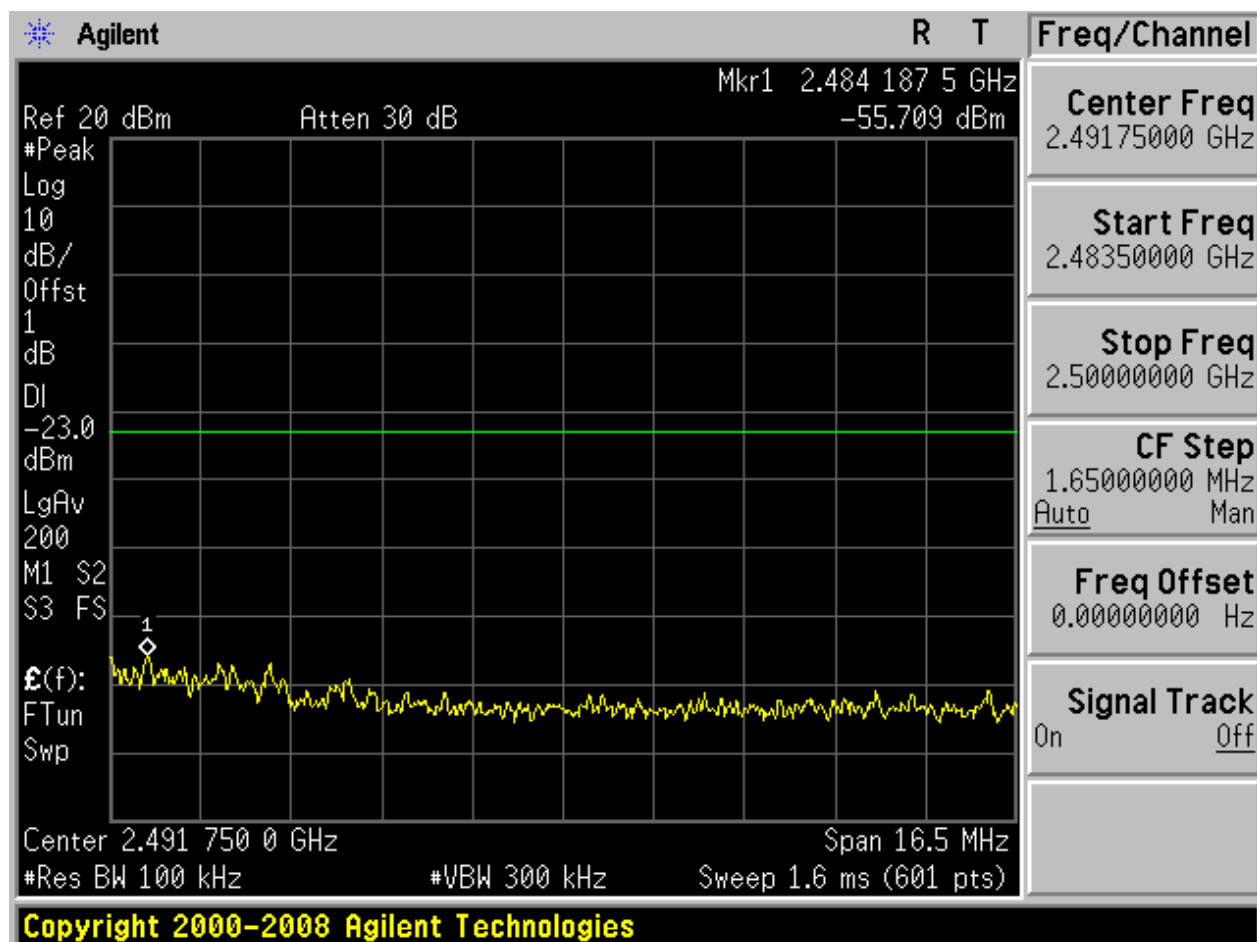
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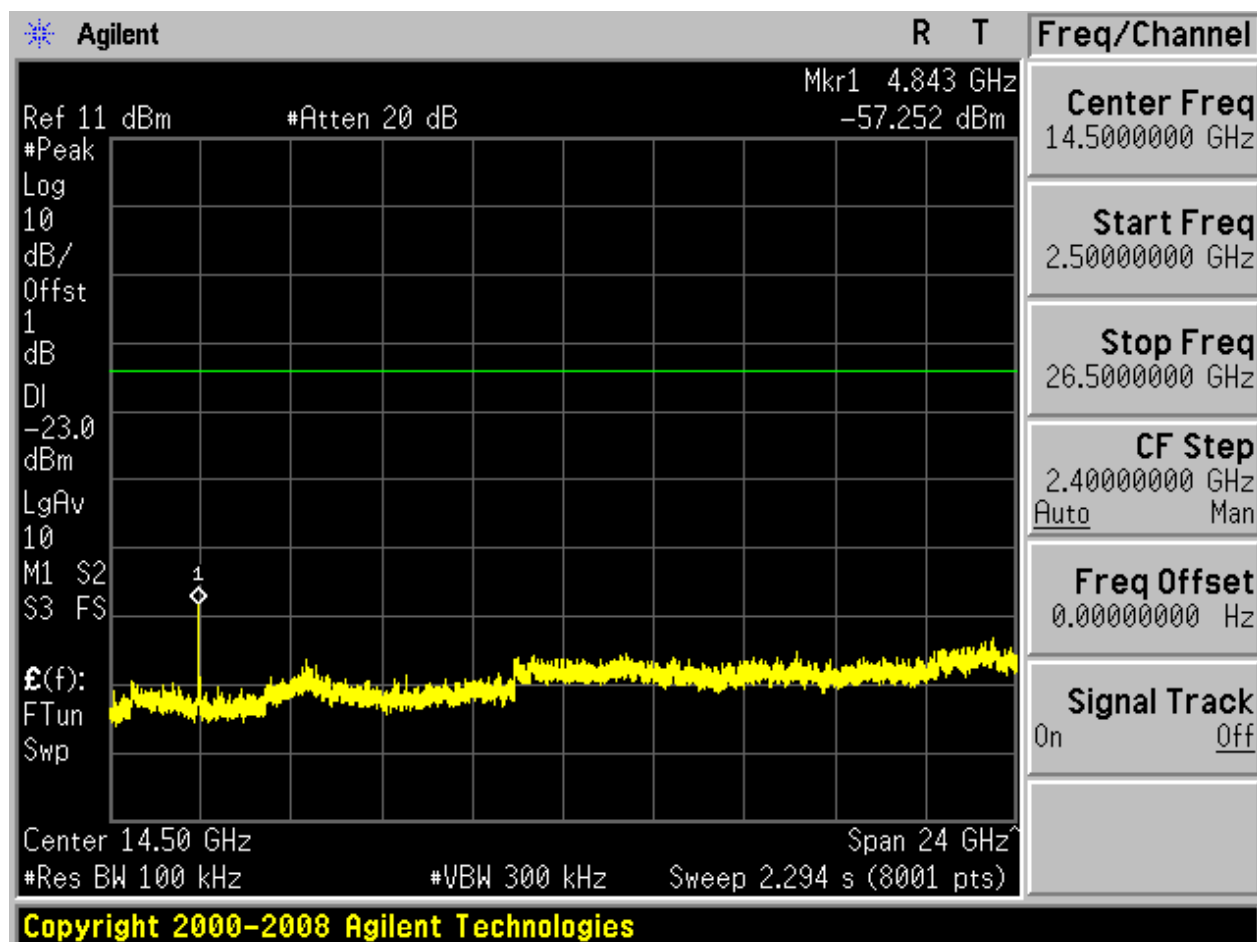






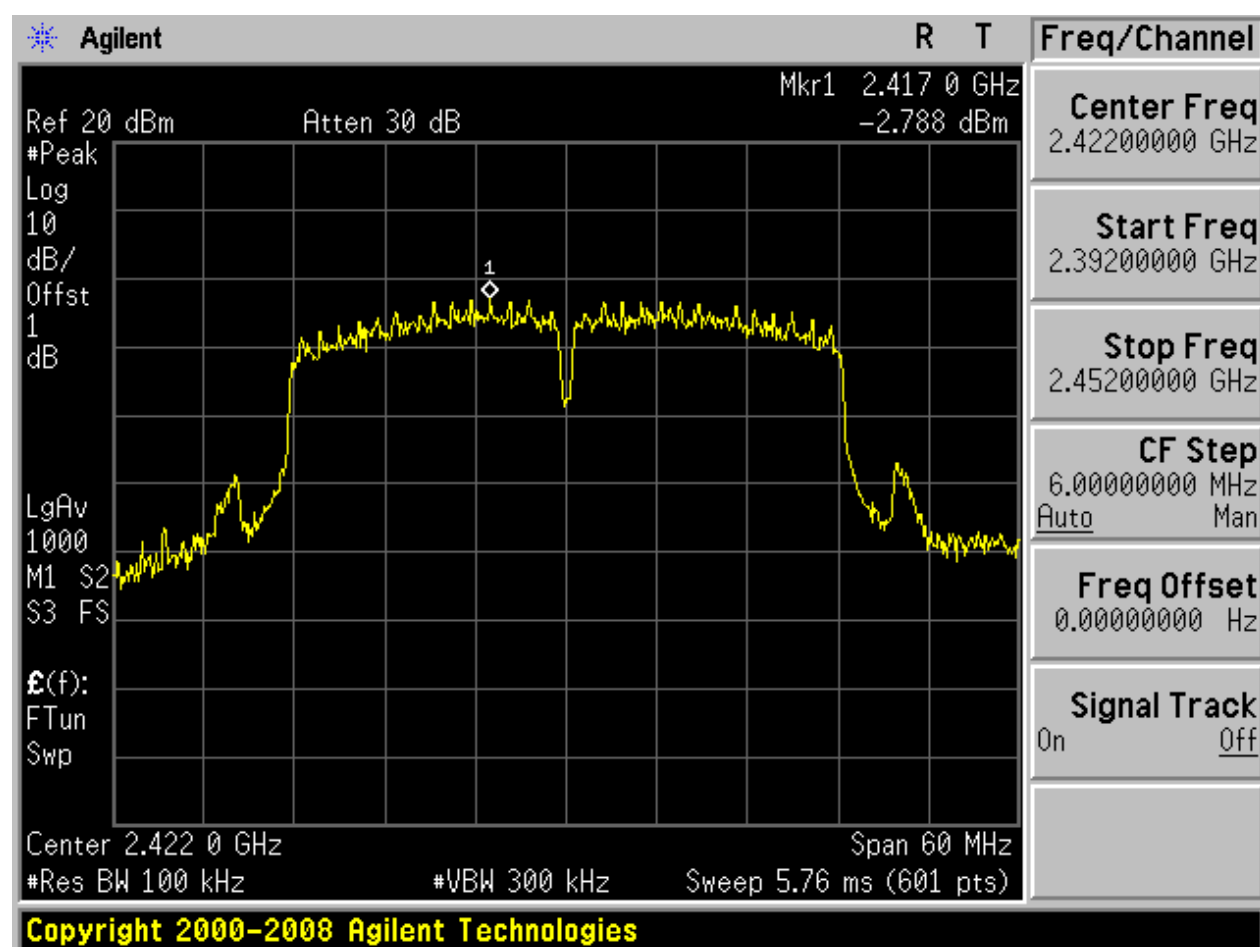






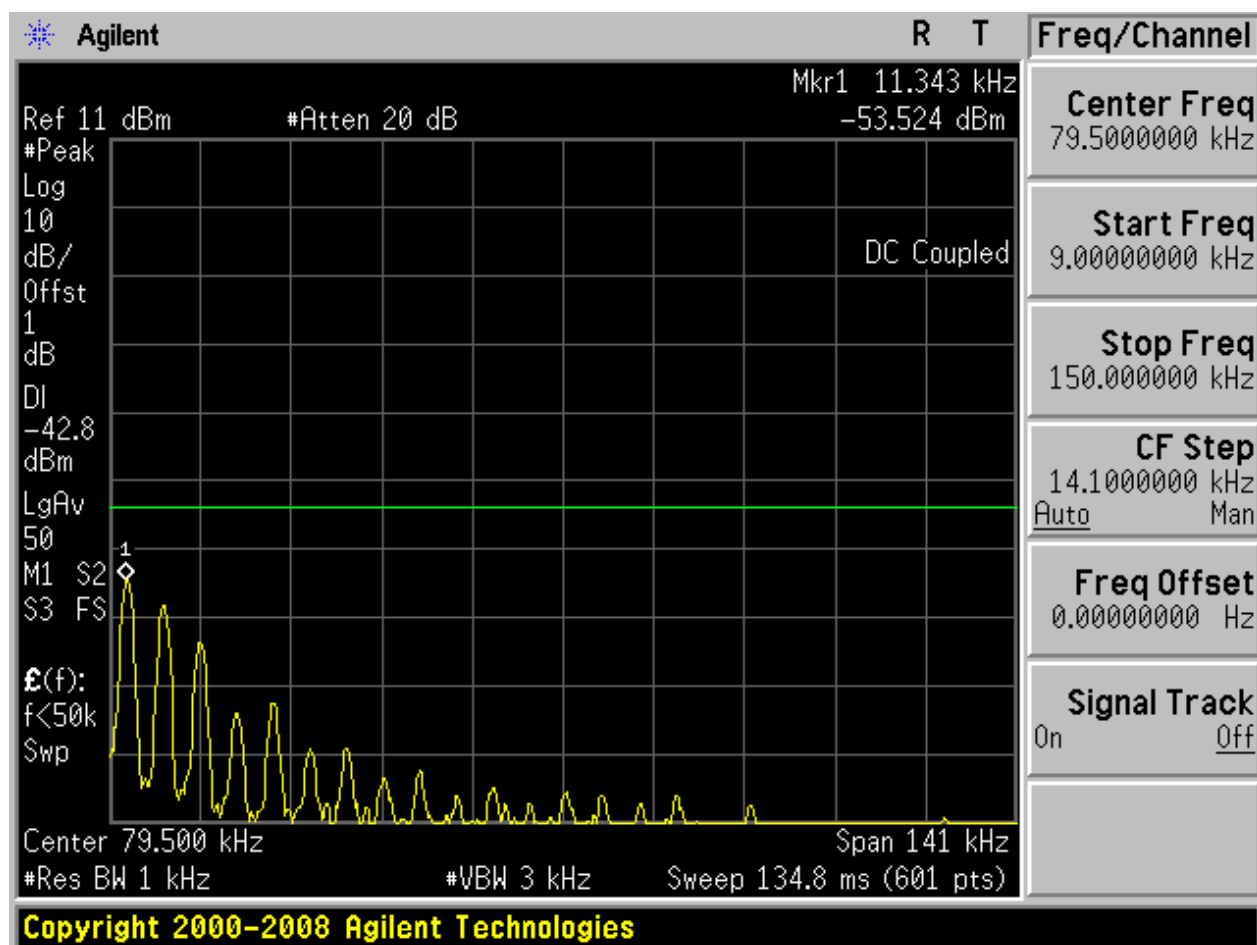
2.32 11N40m_L@Ant 2

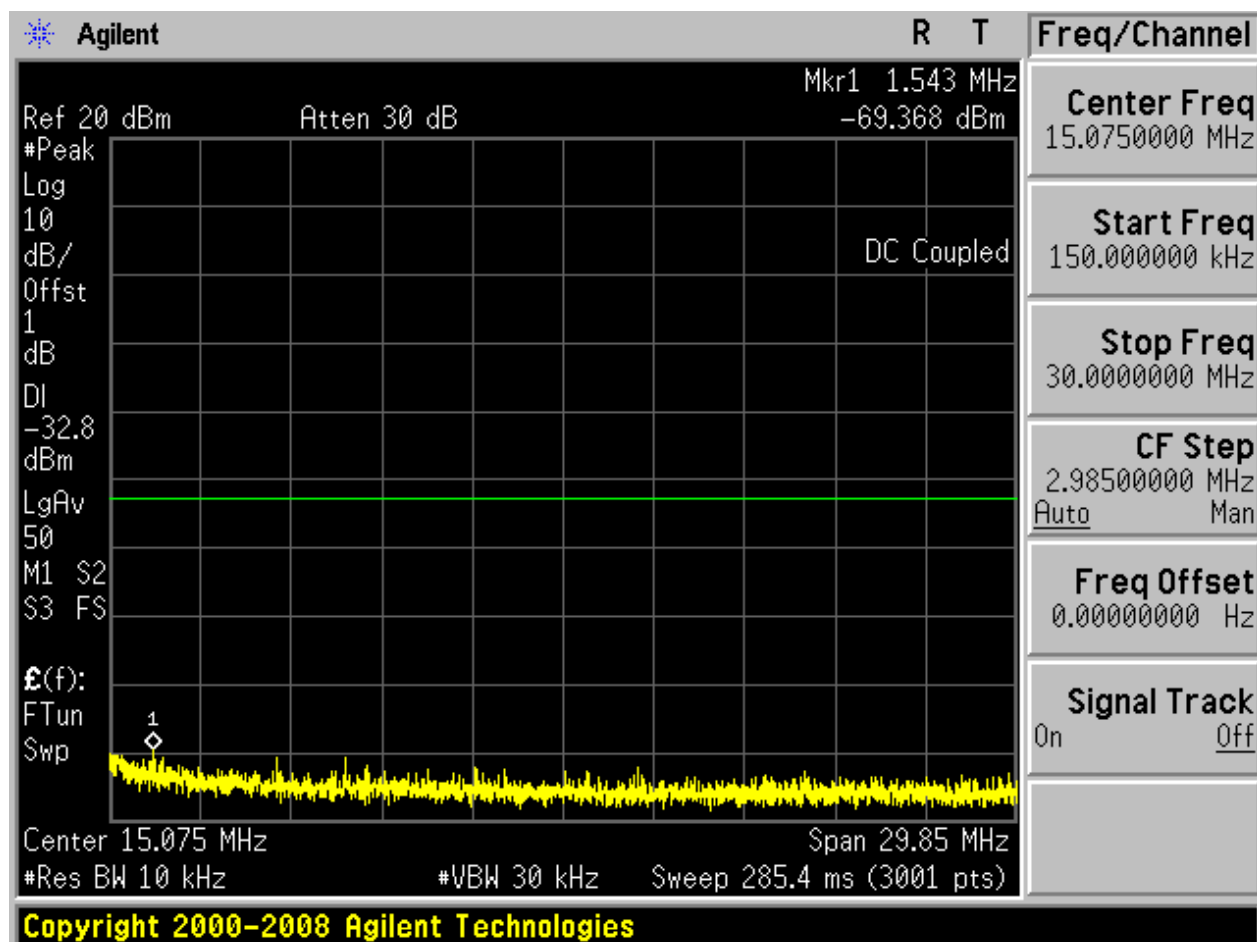
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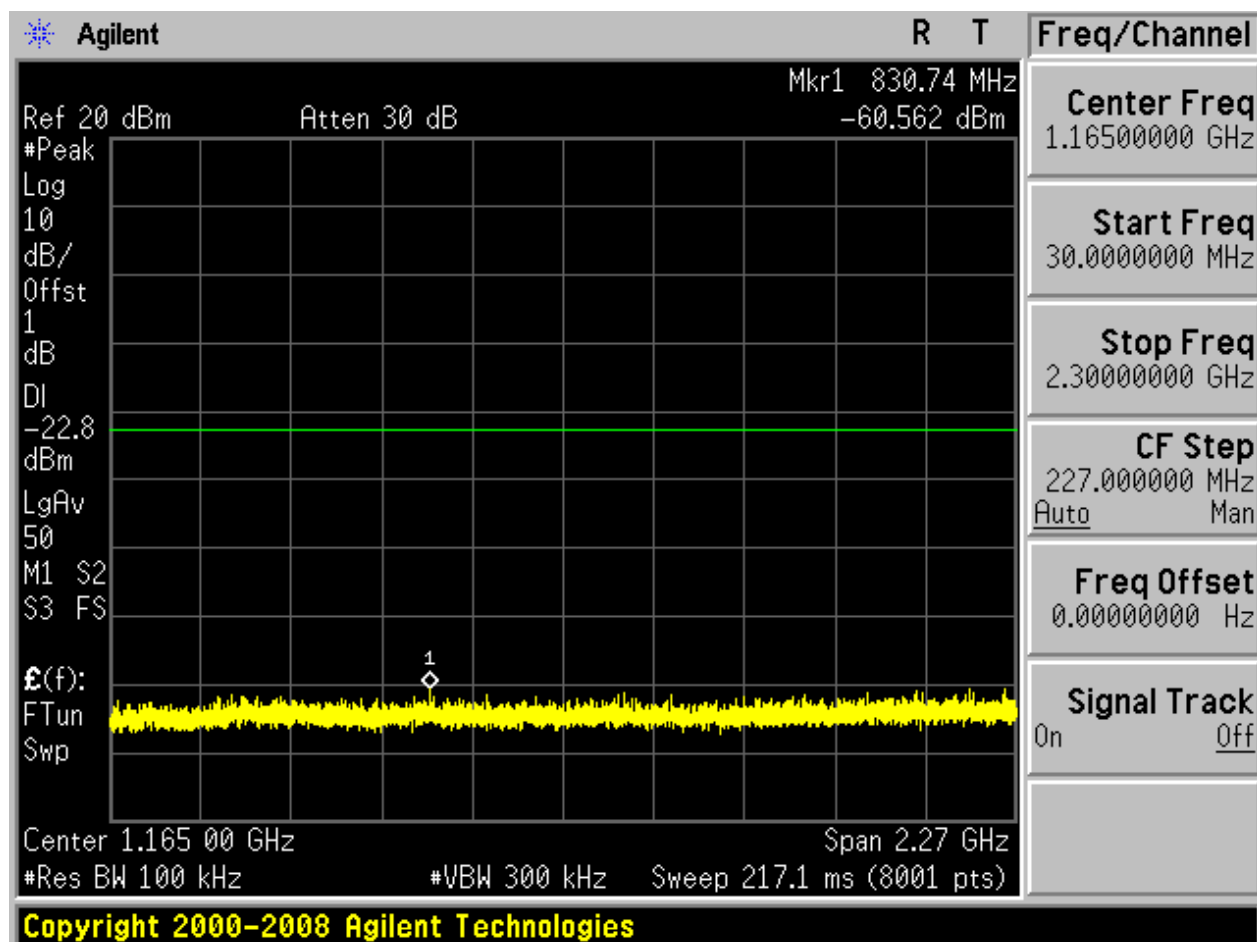


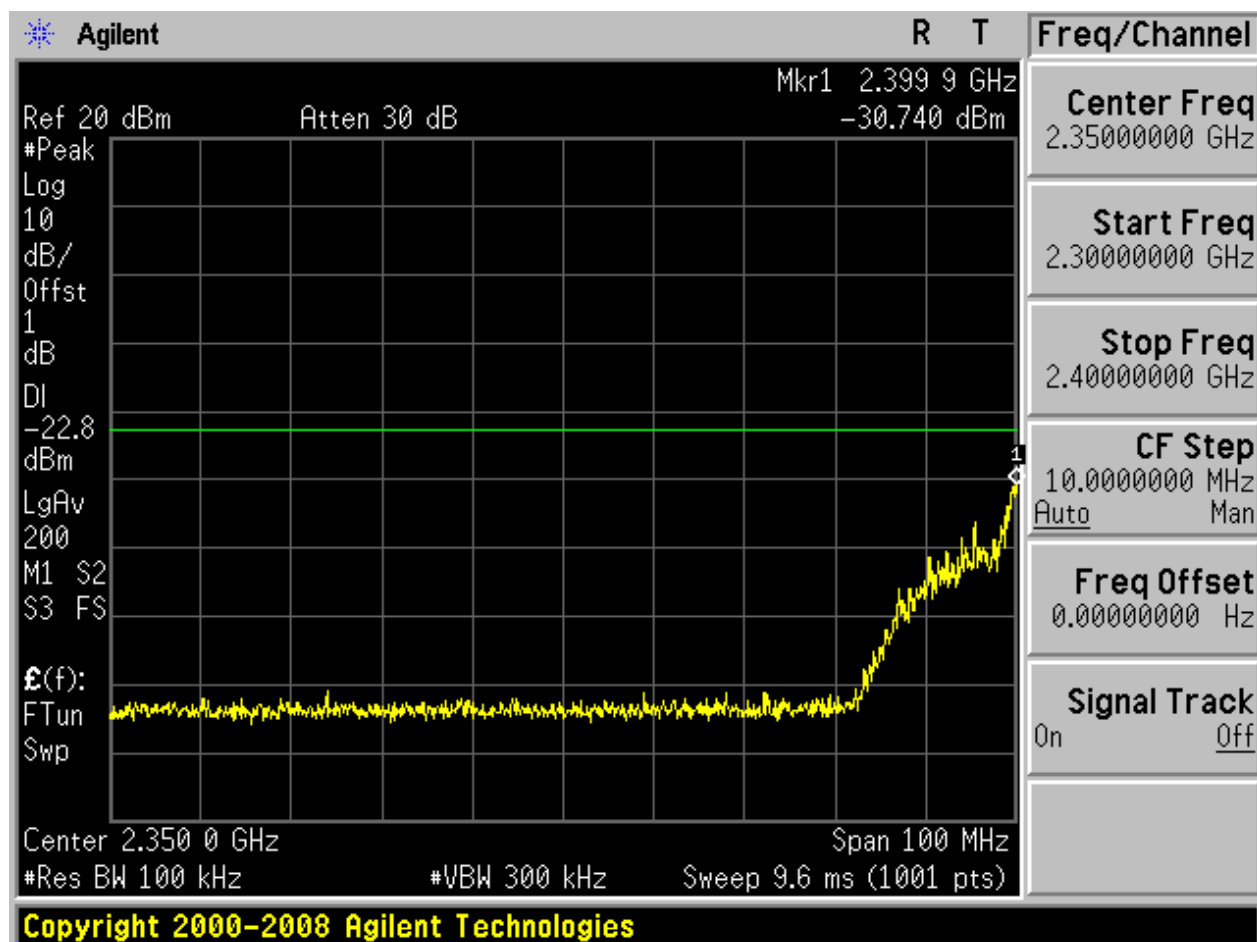


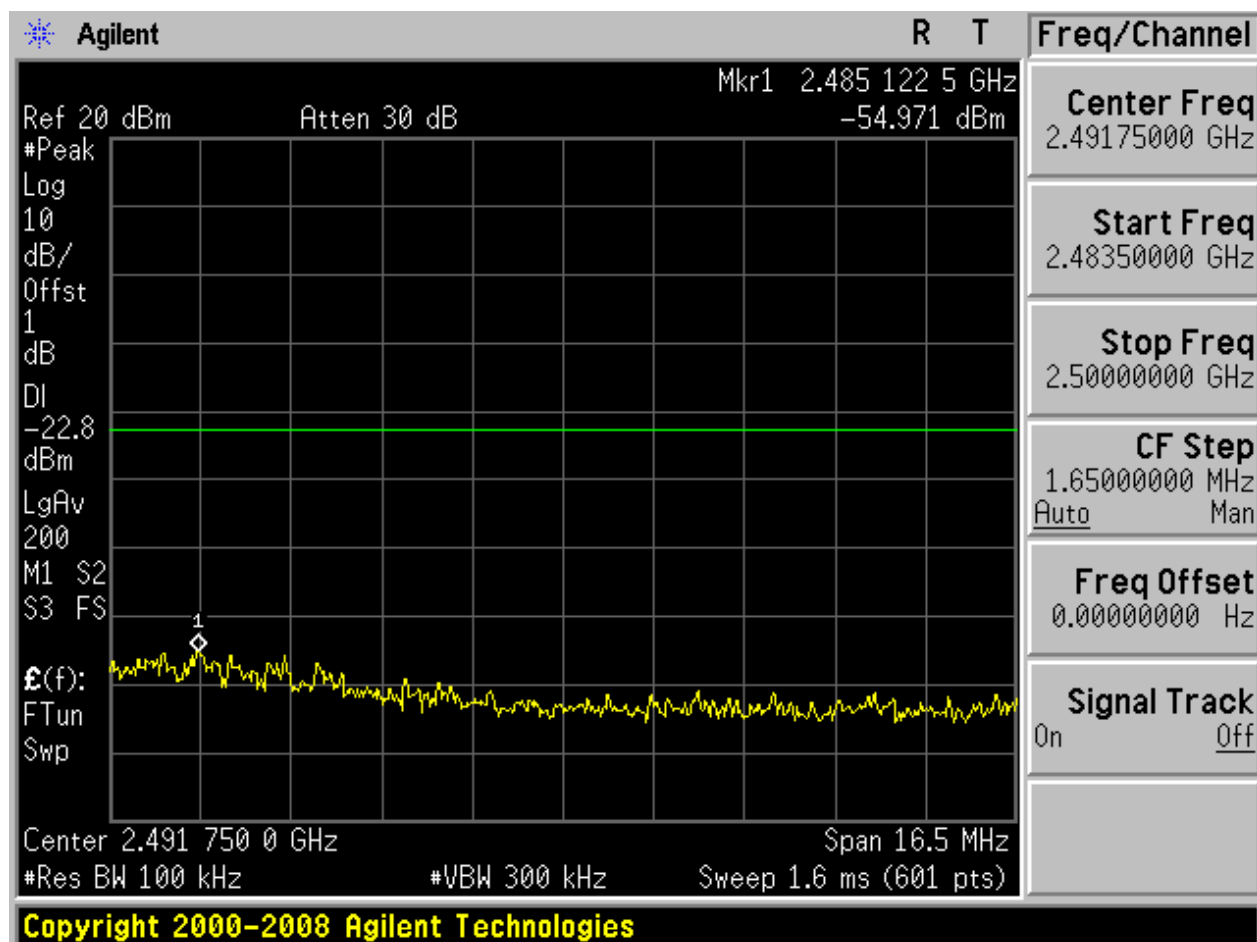
Puw:

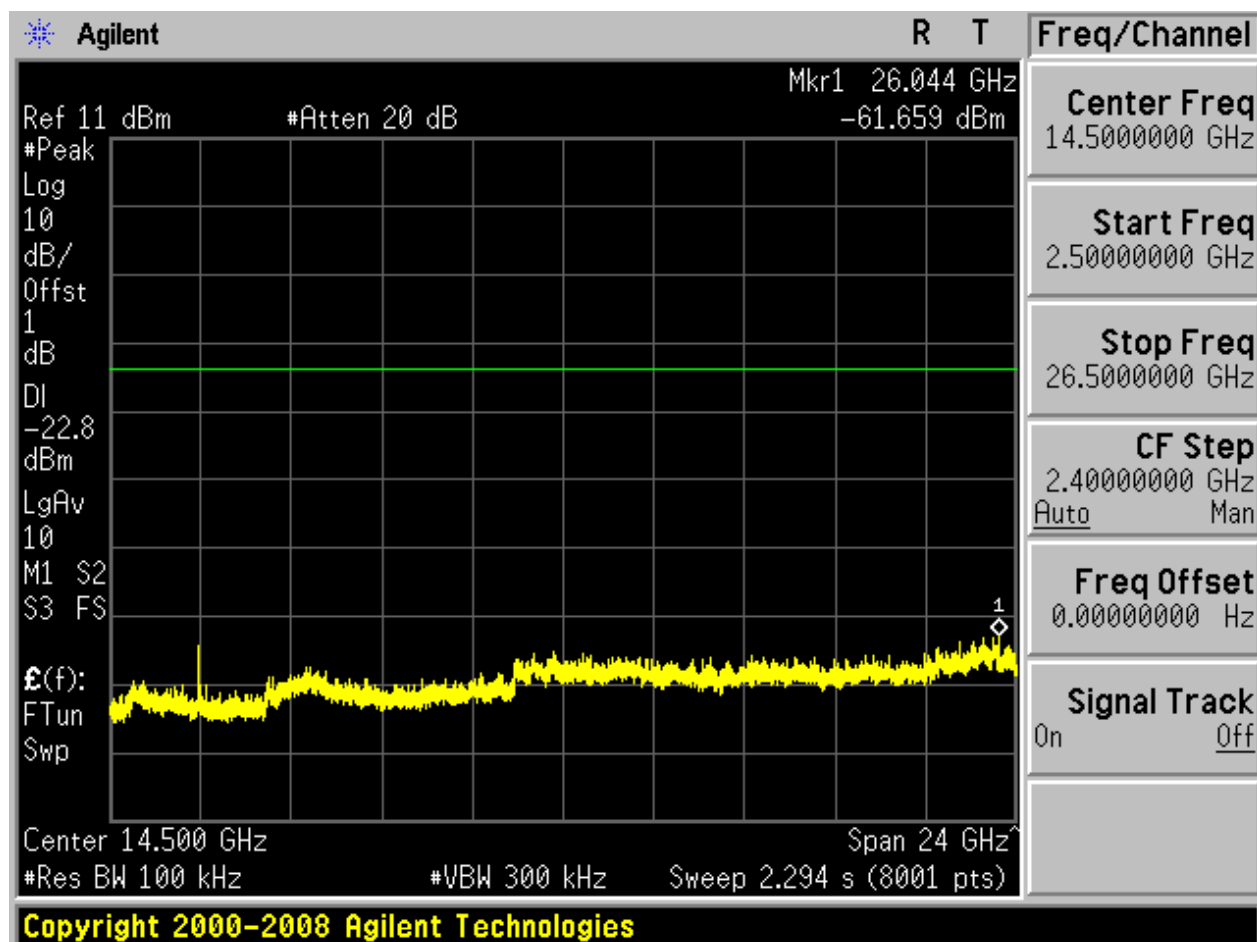






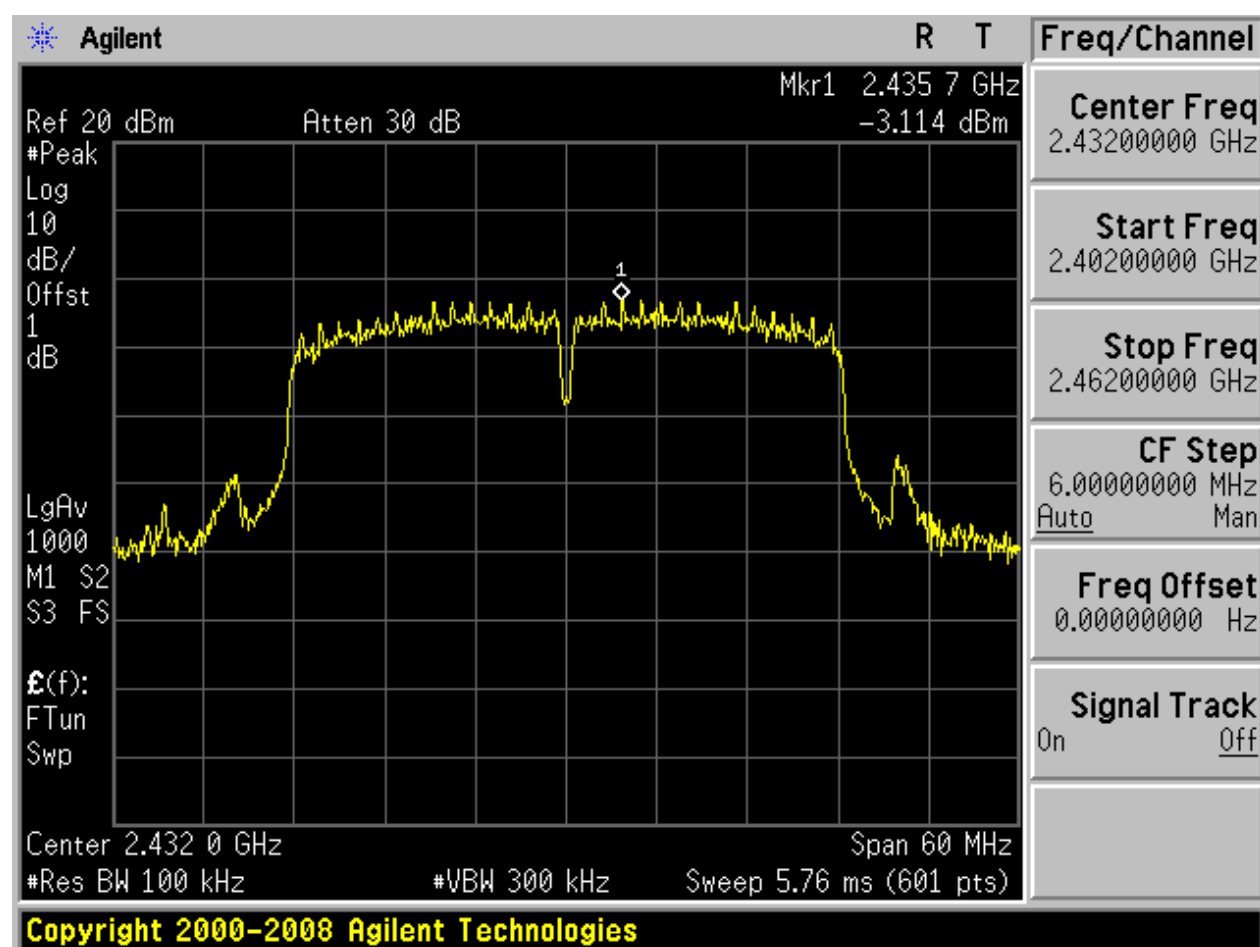




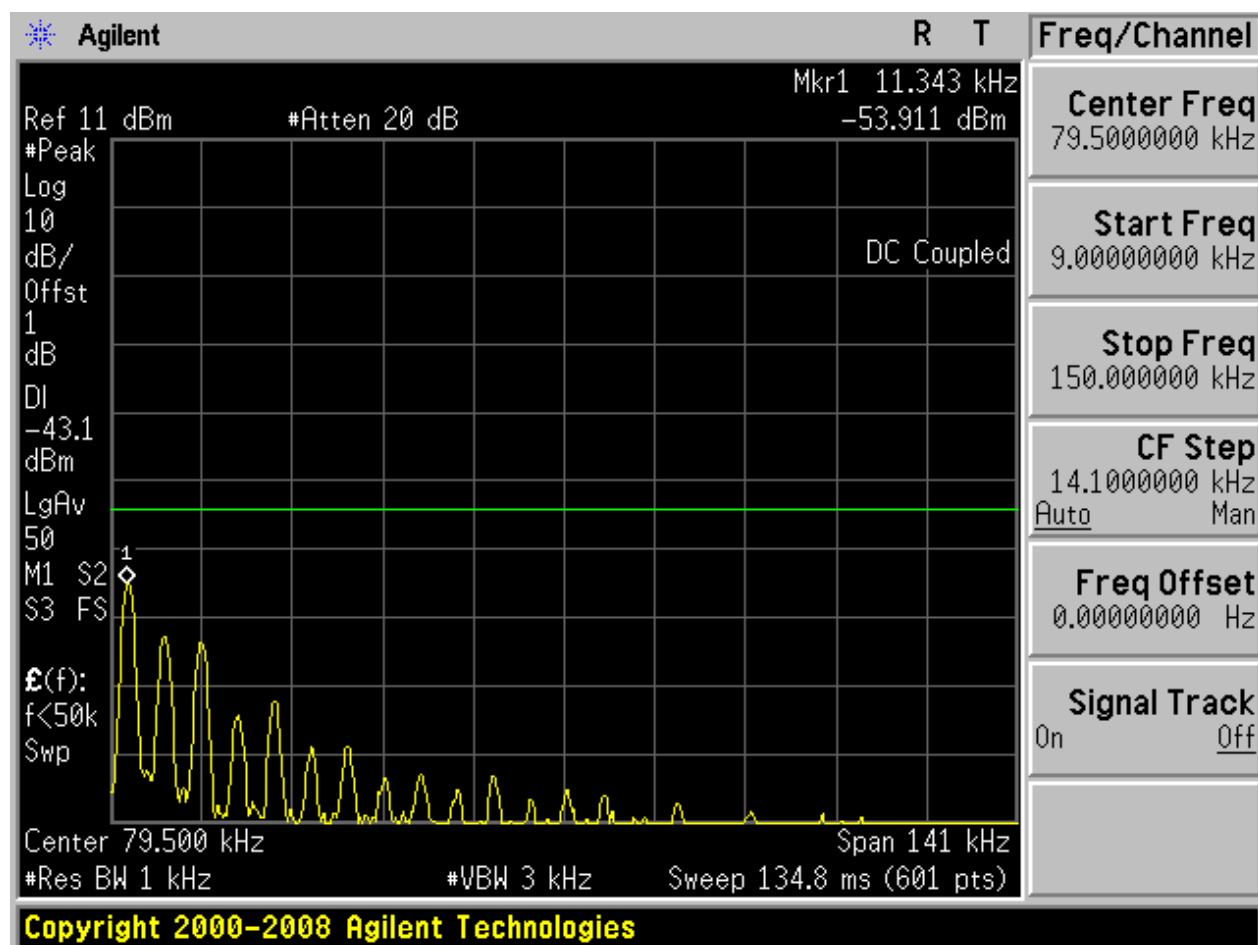


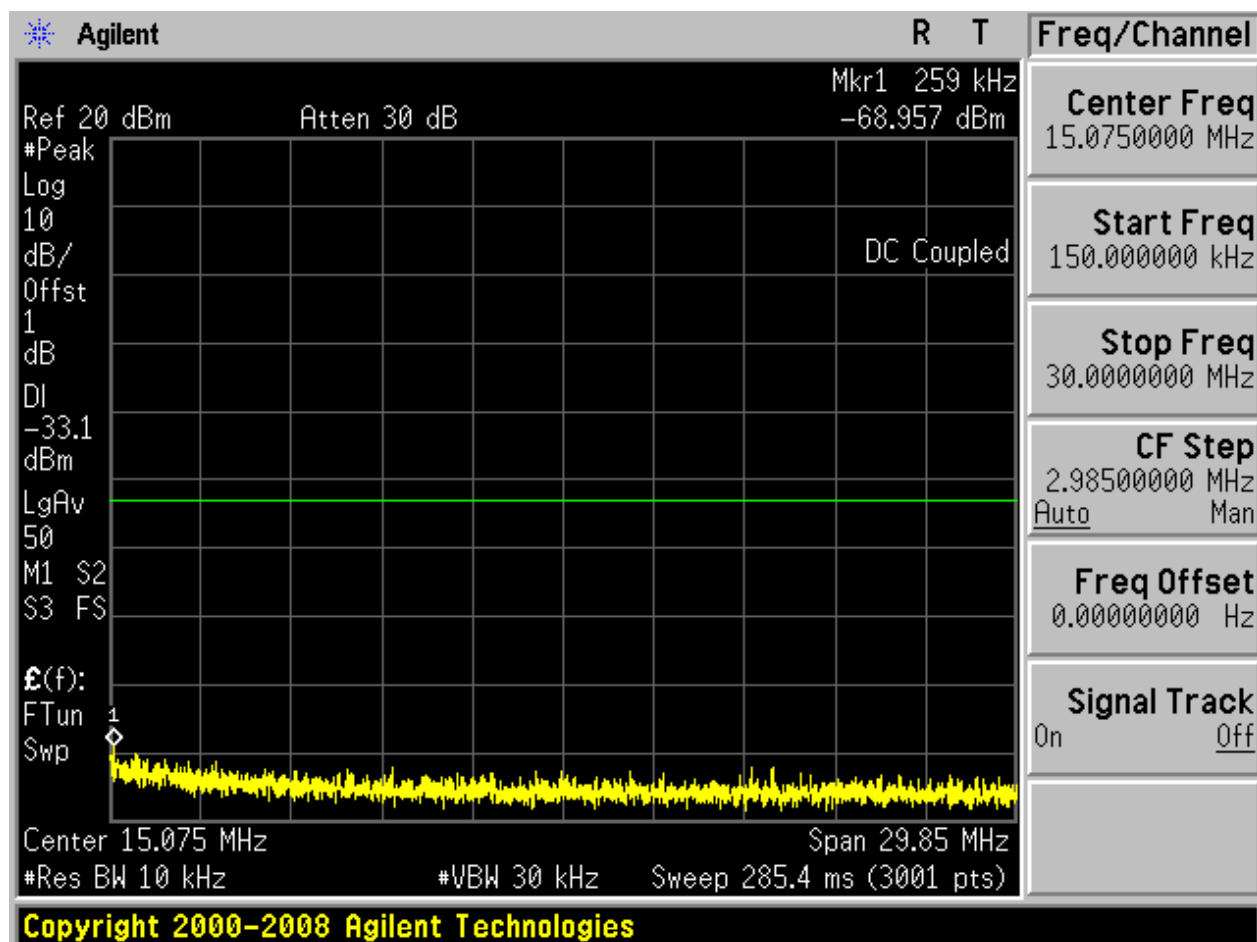
2.33 11N40m_M@Ant 1

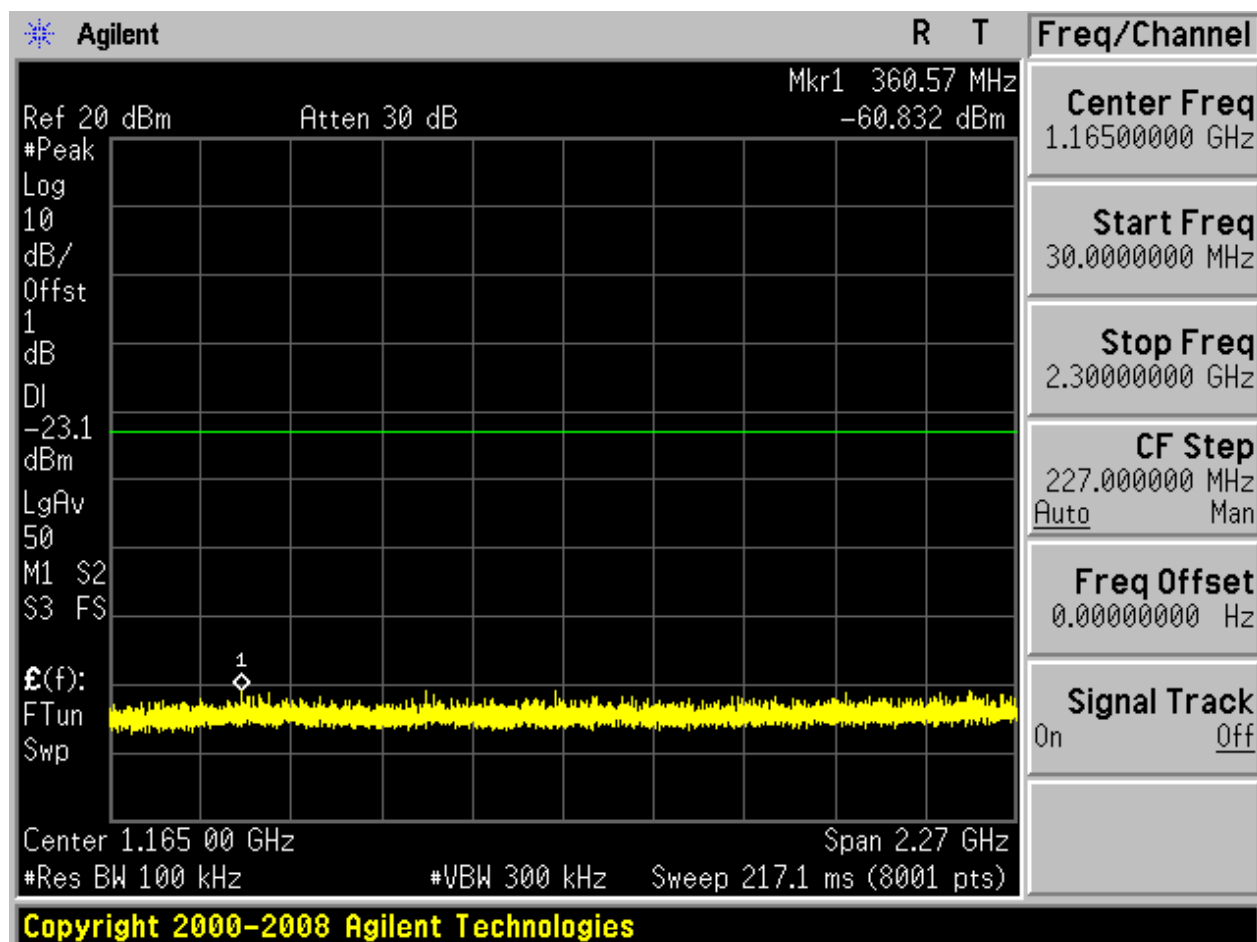
Pref:

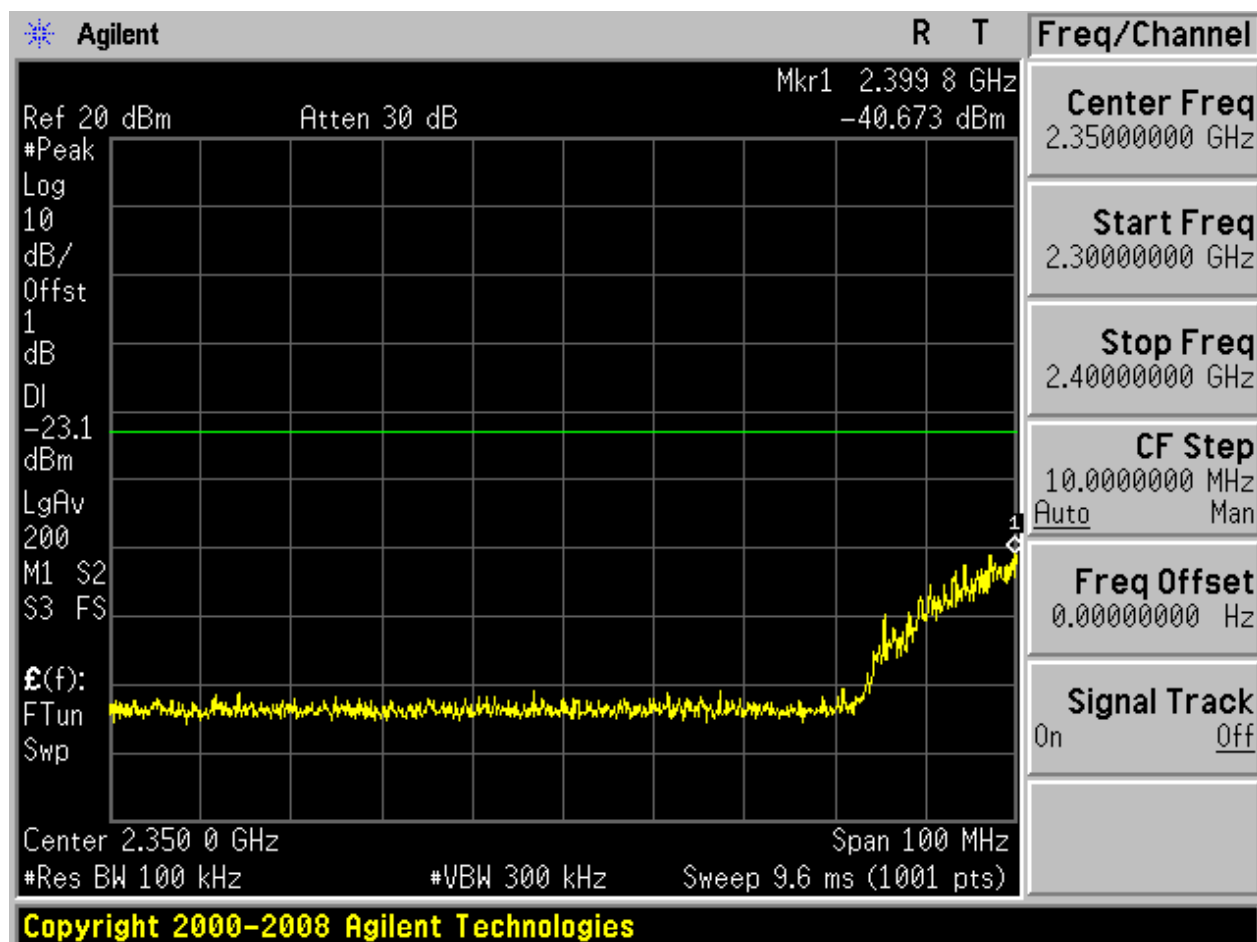


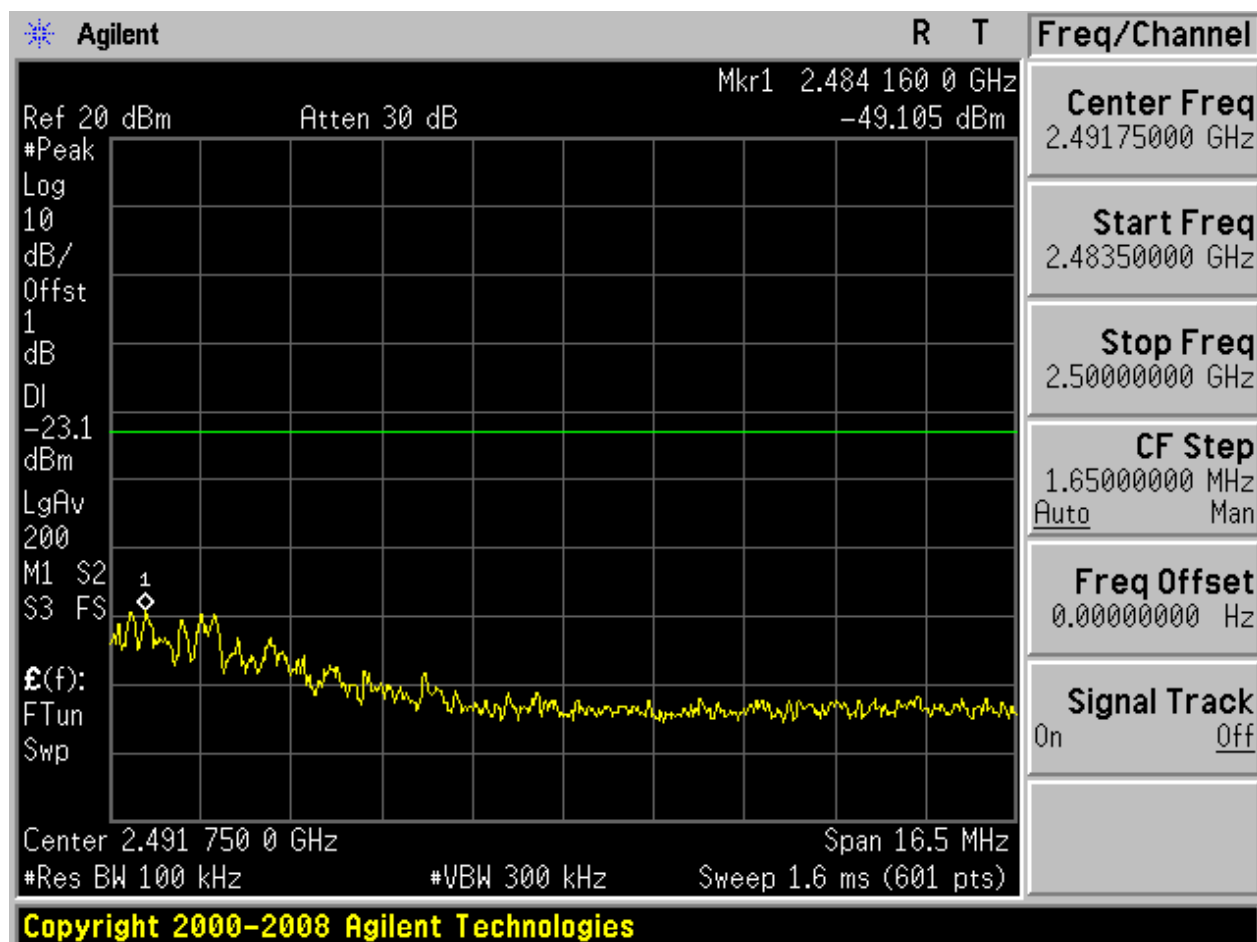
Puw:

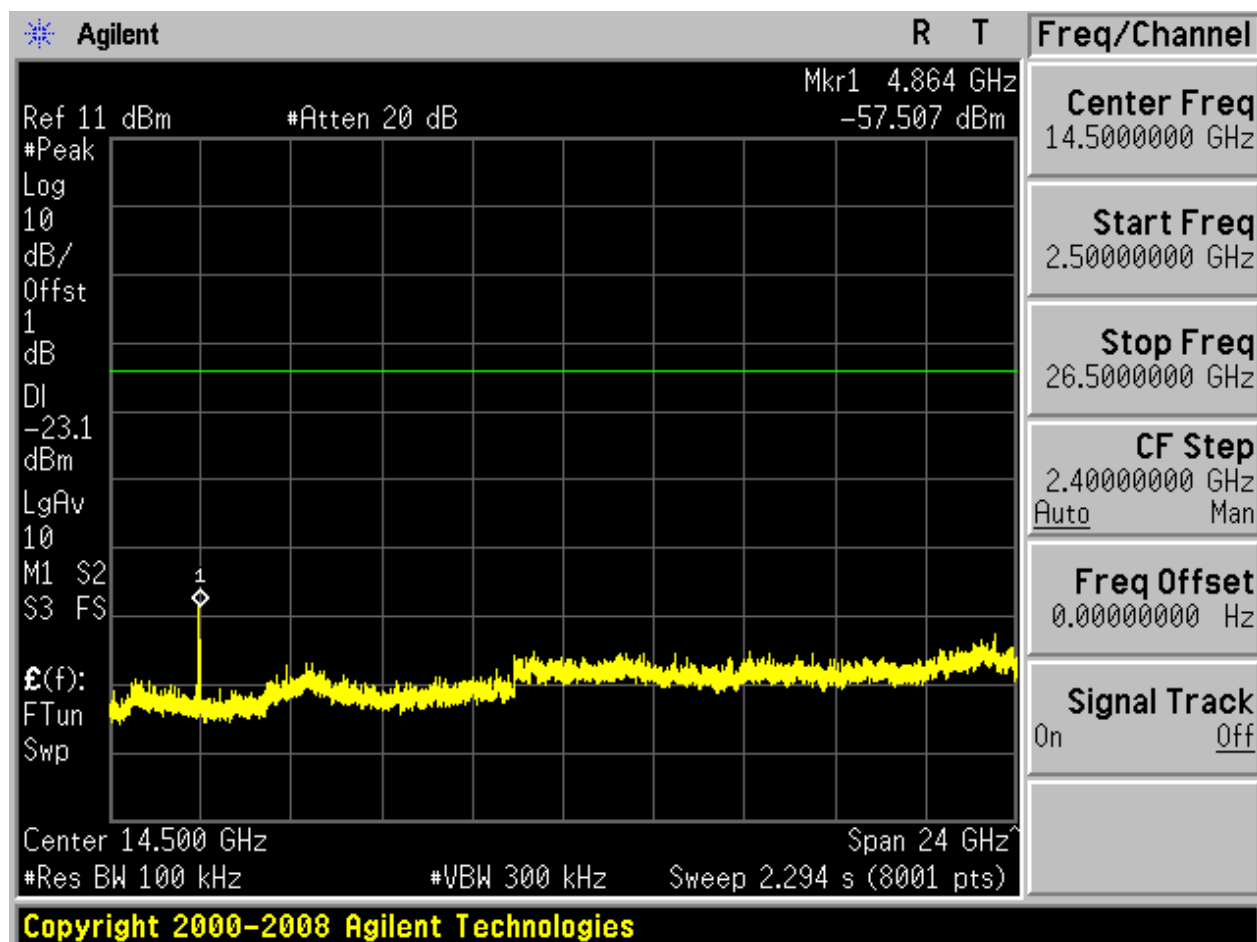








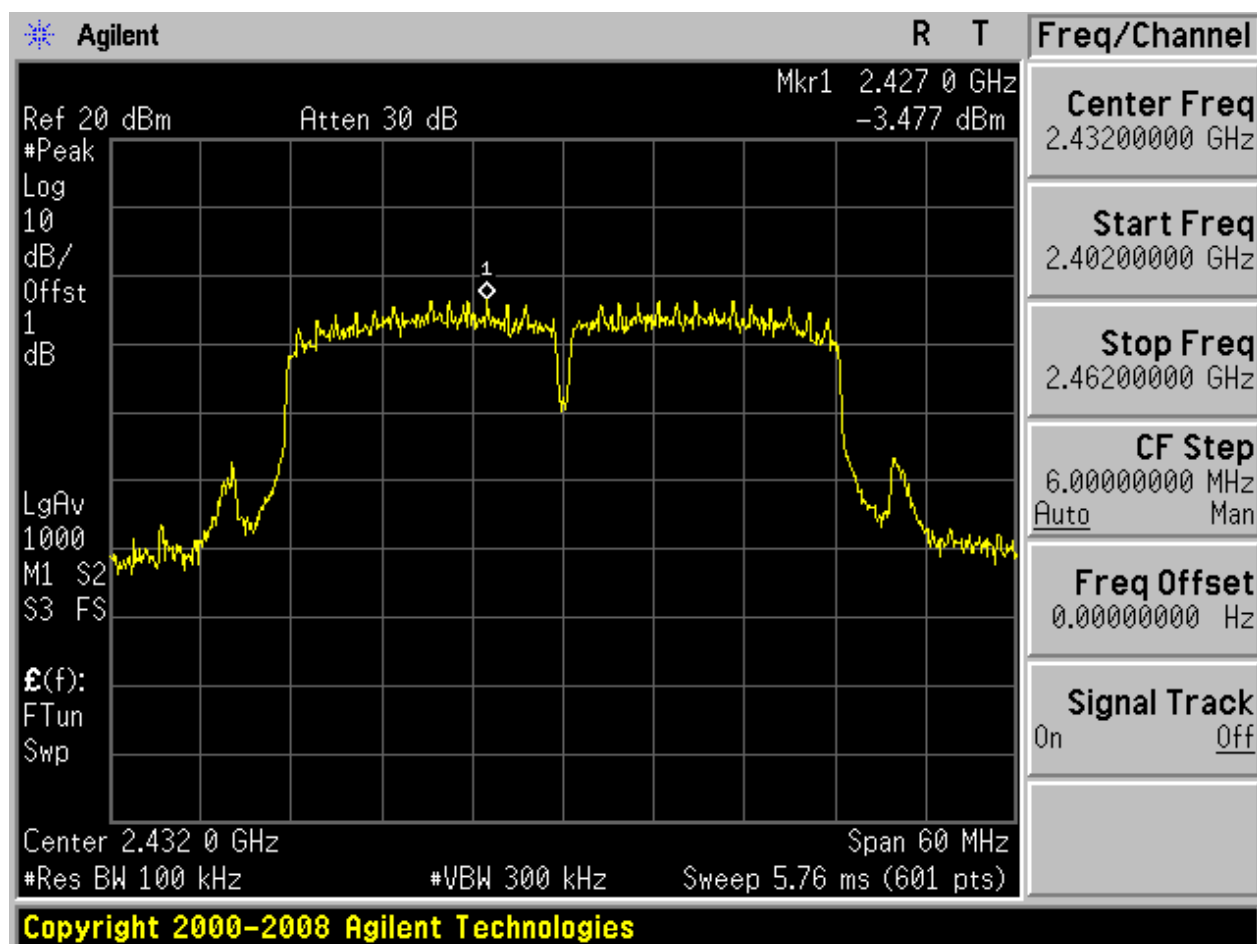






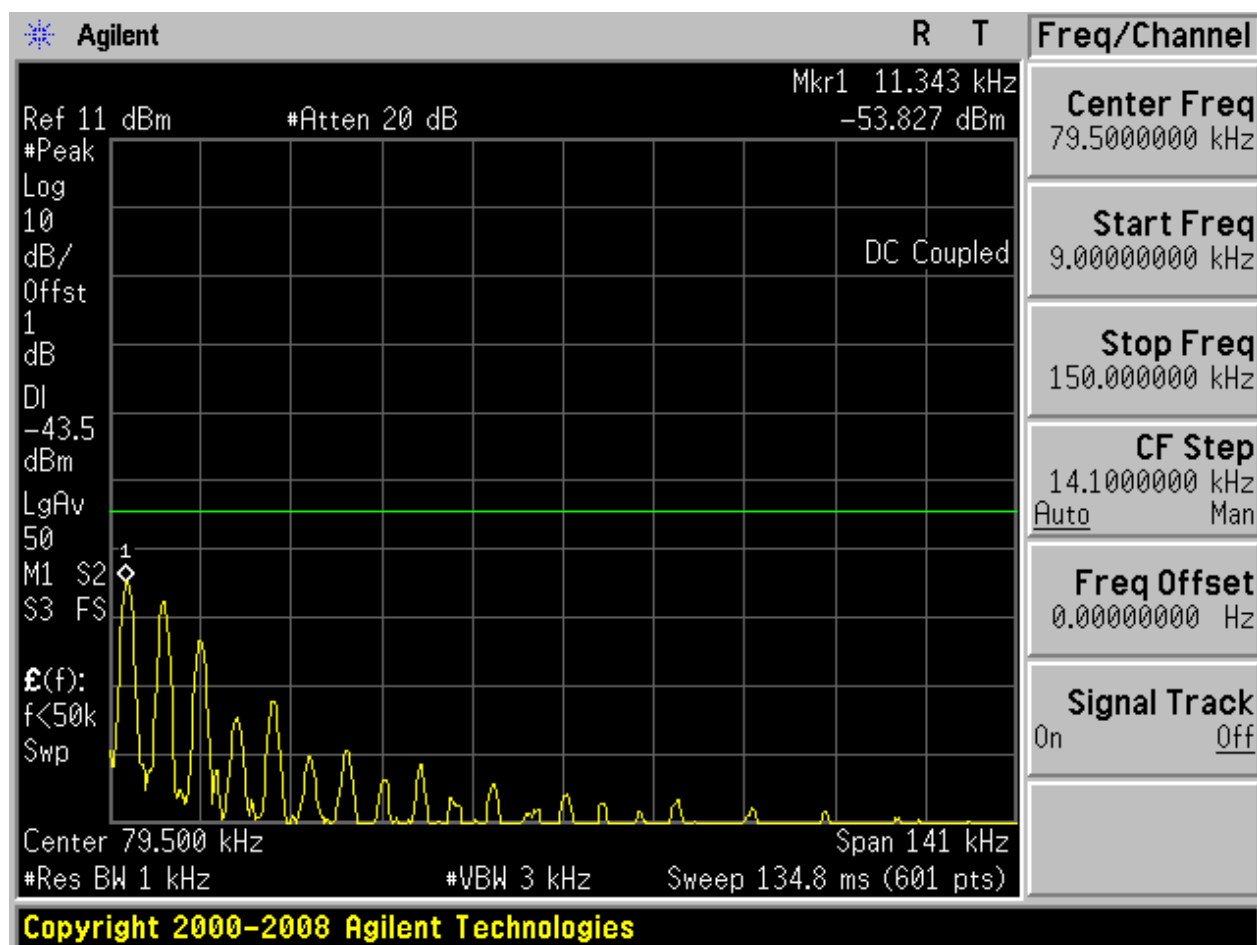
2.34 11N40m_M@Ant 2

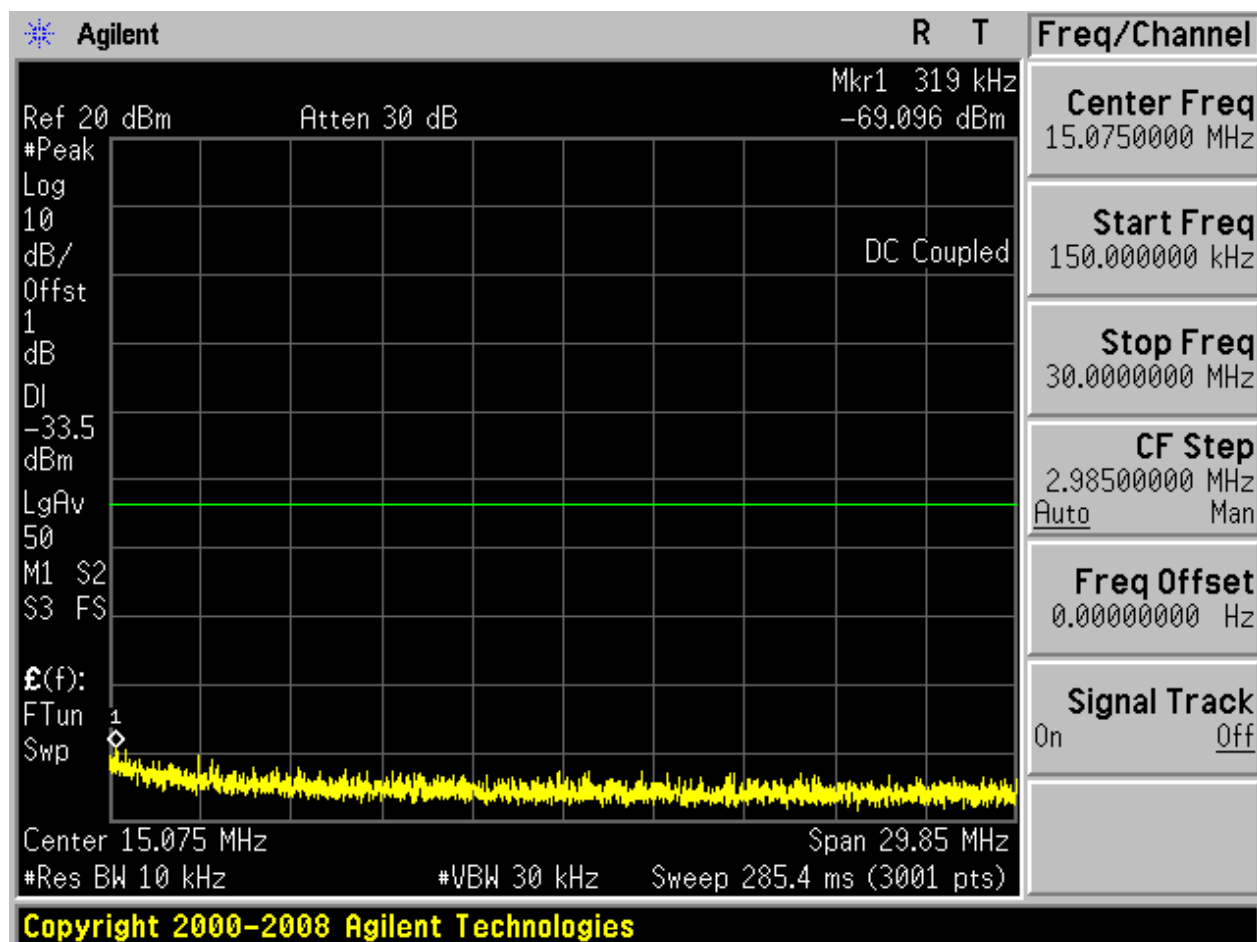
Pref:

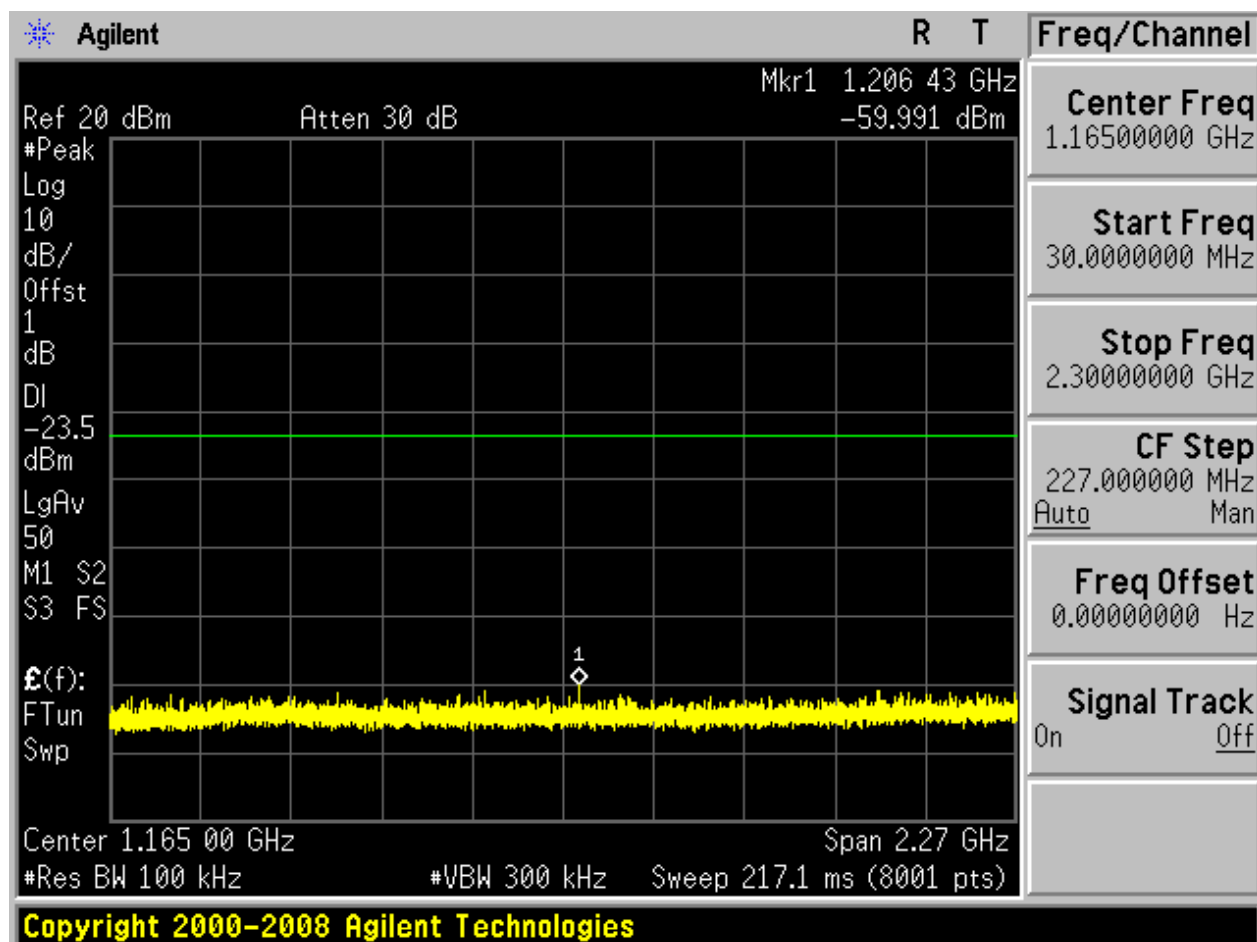


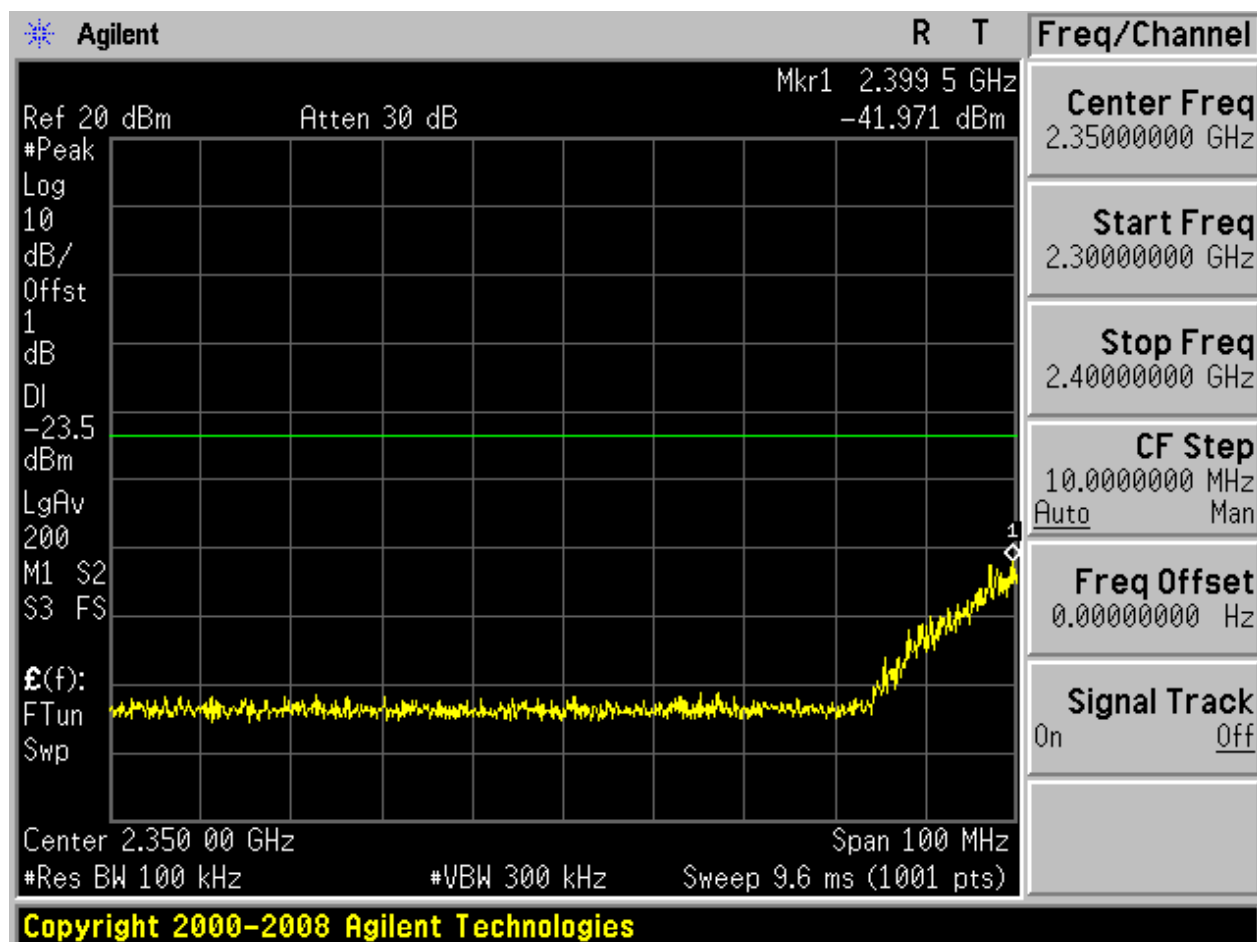


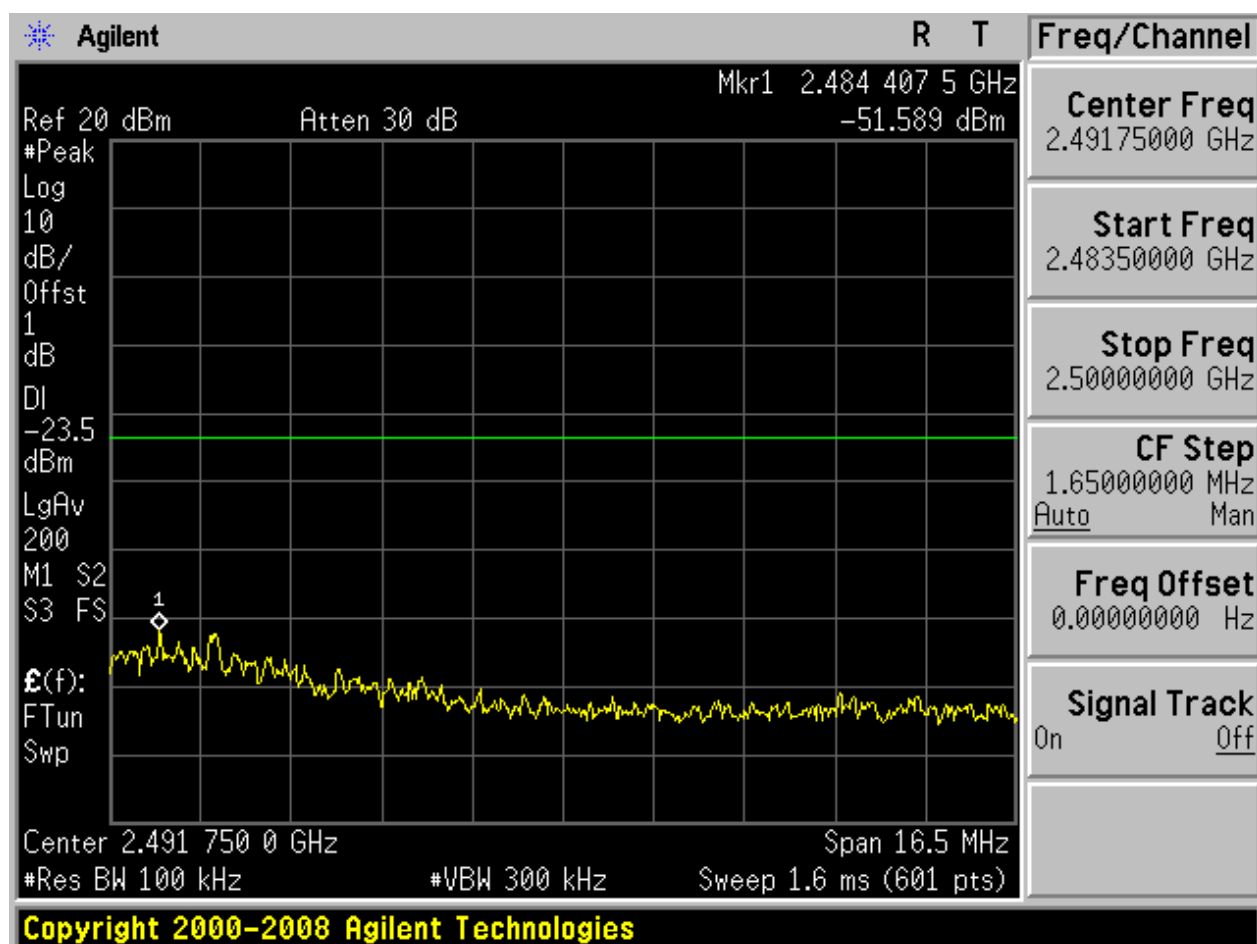
Puw:

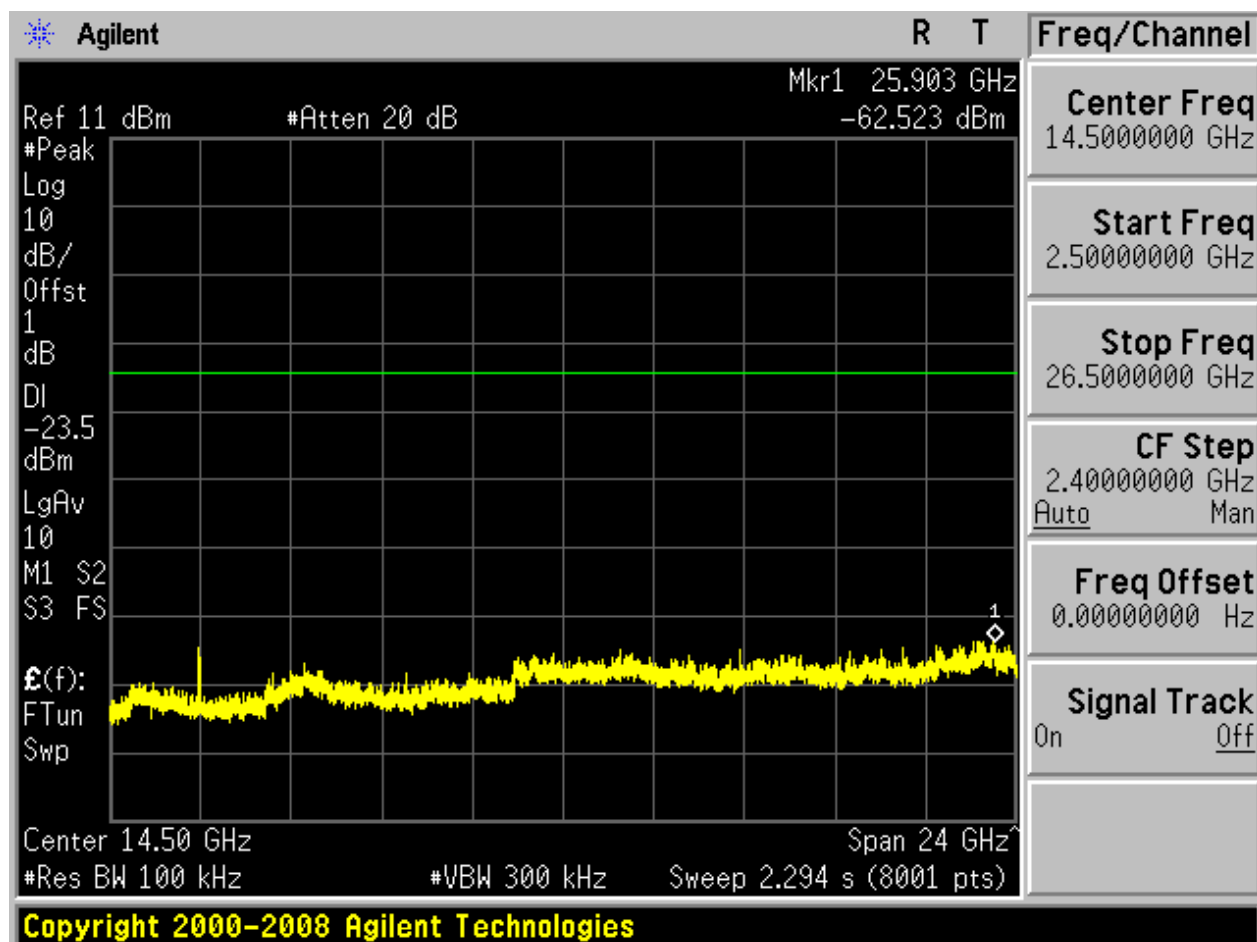








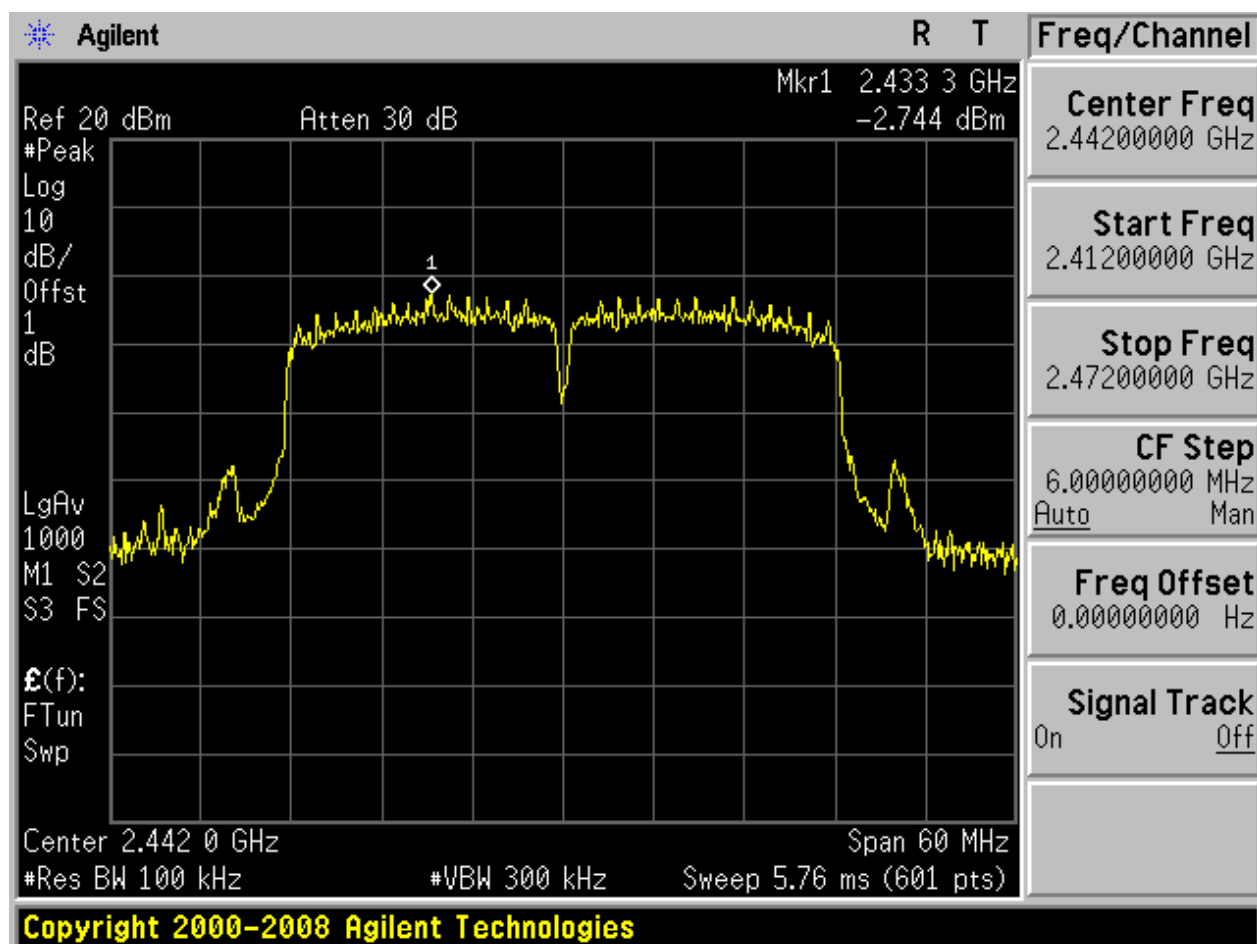




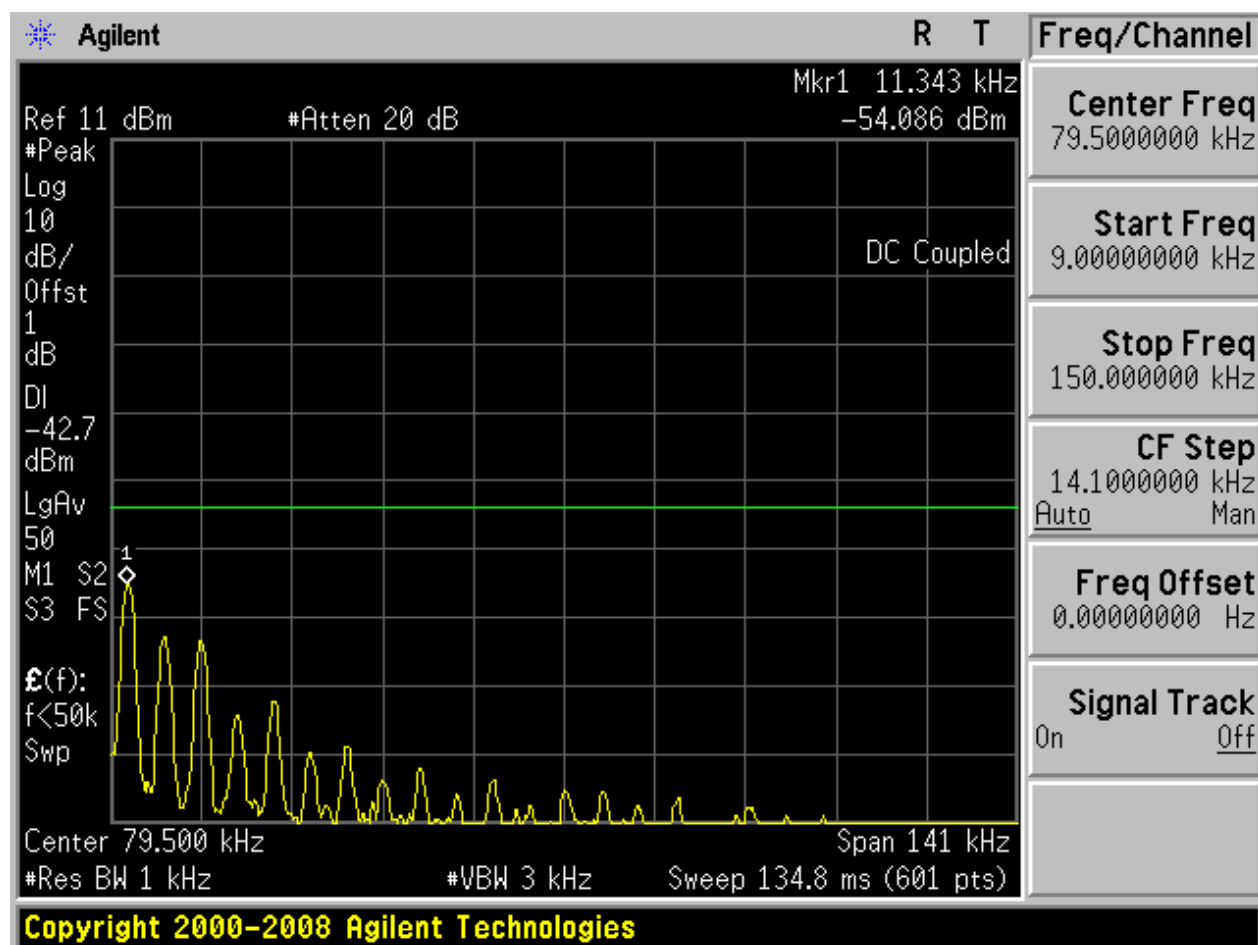


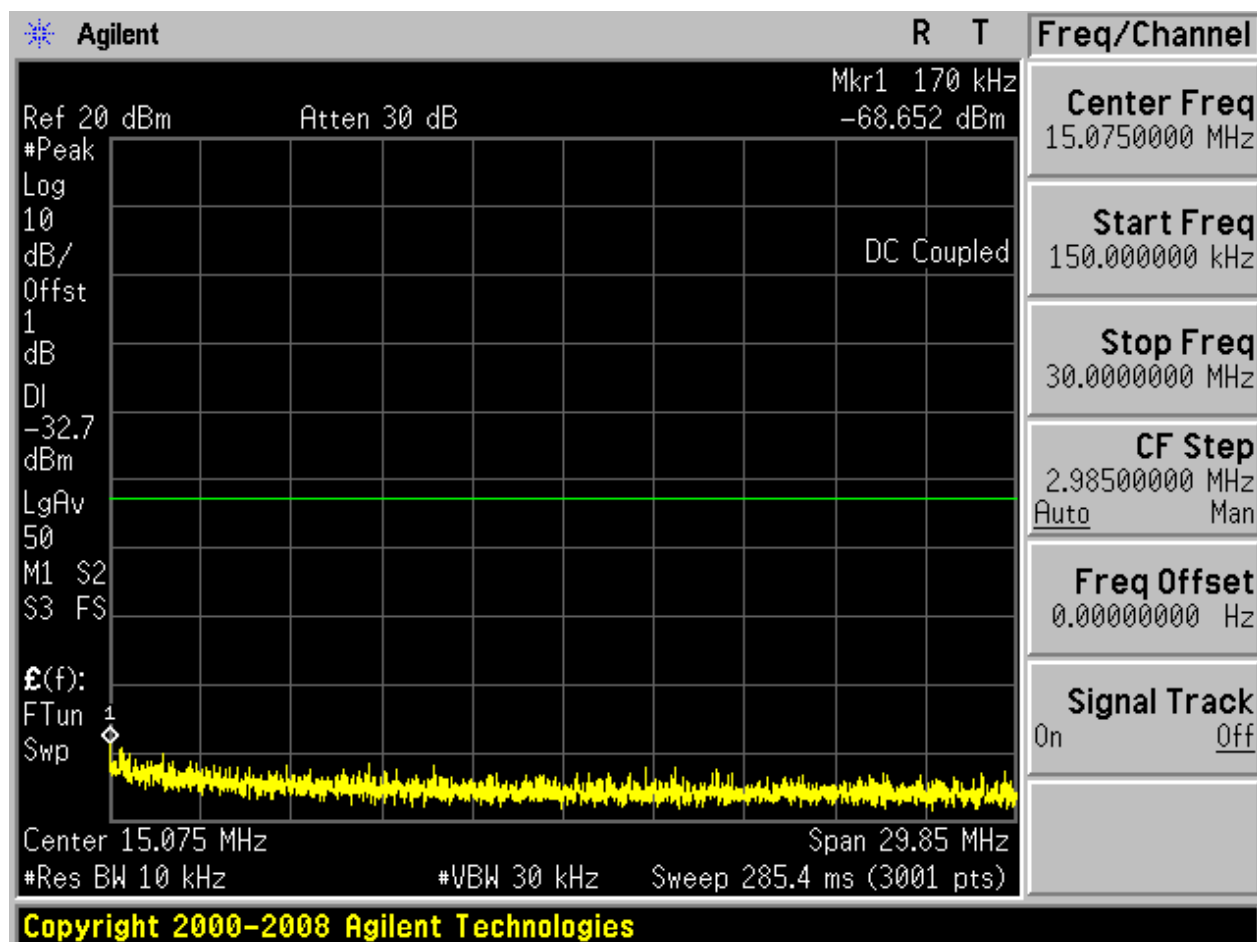
2.35 11N40m_H@Ant 1

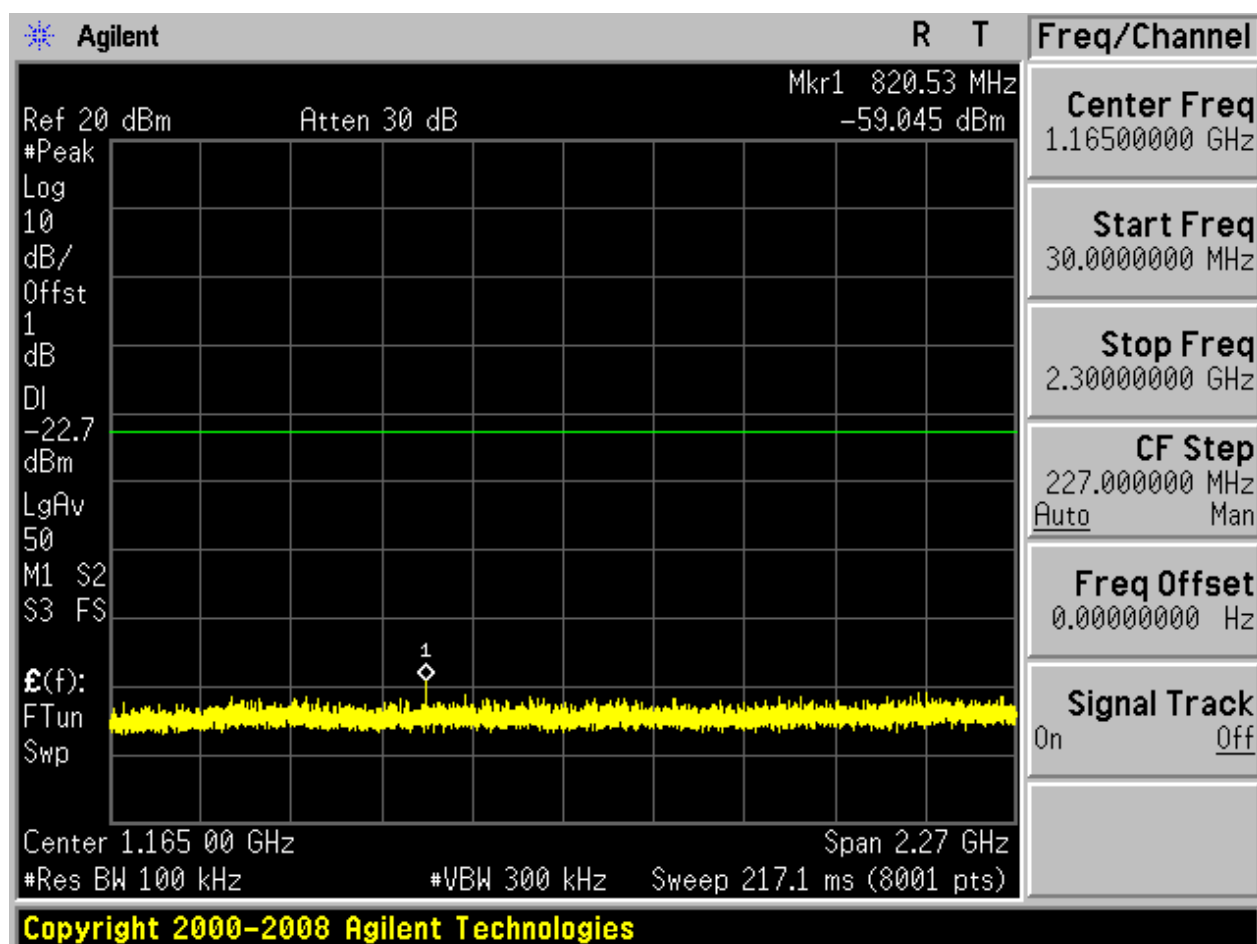
Pref:

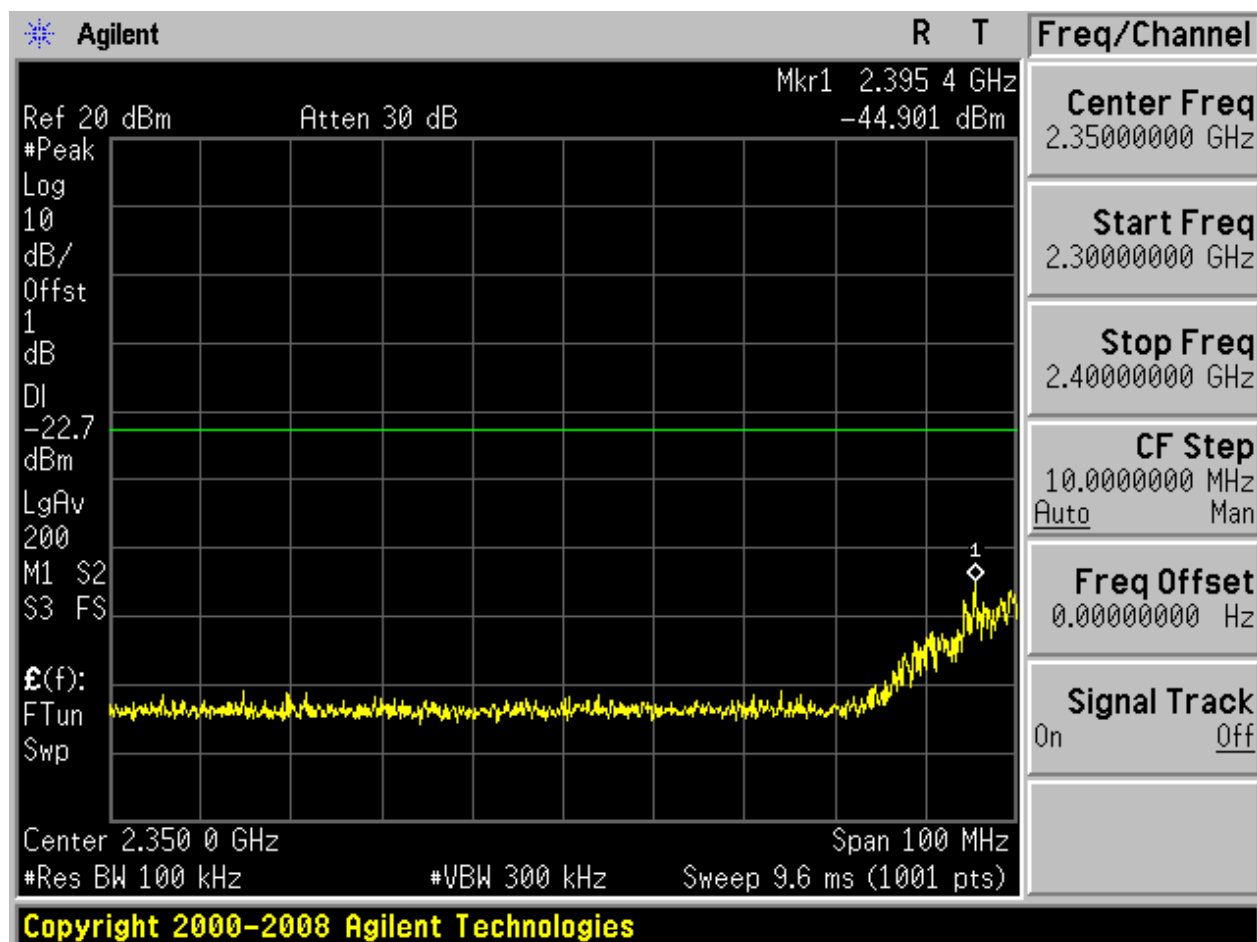


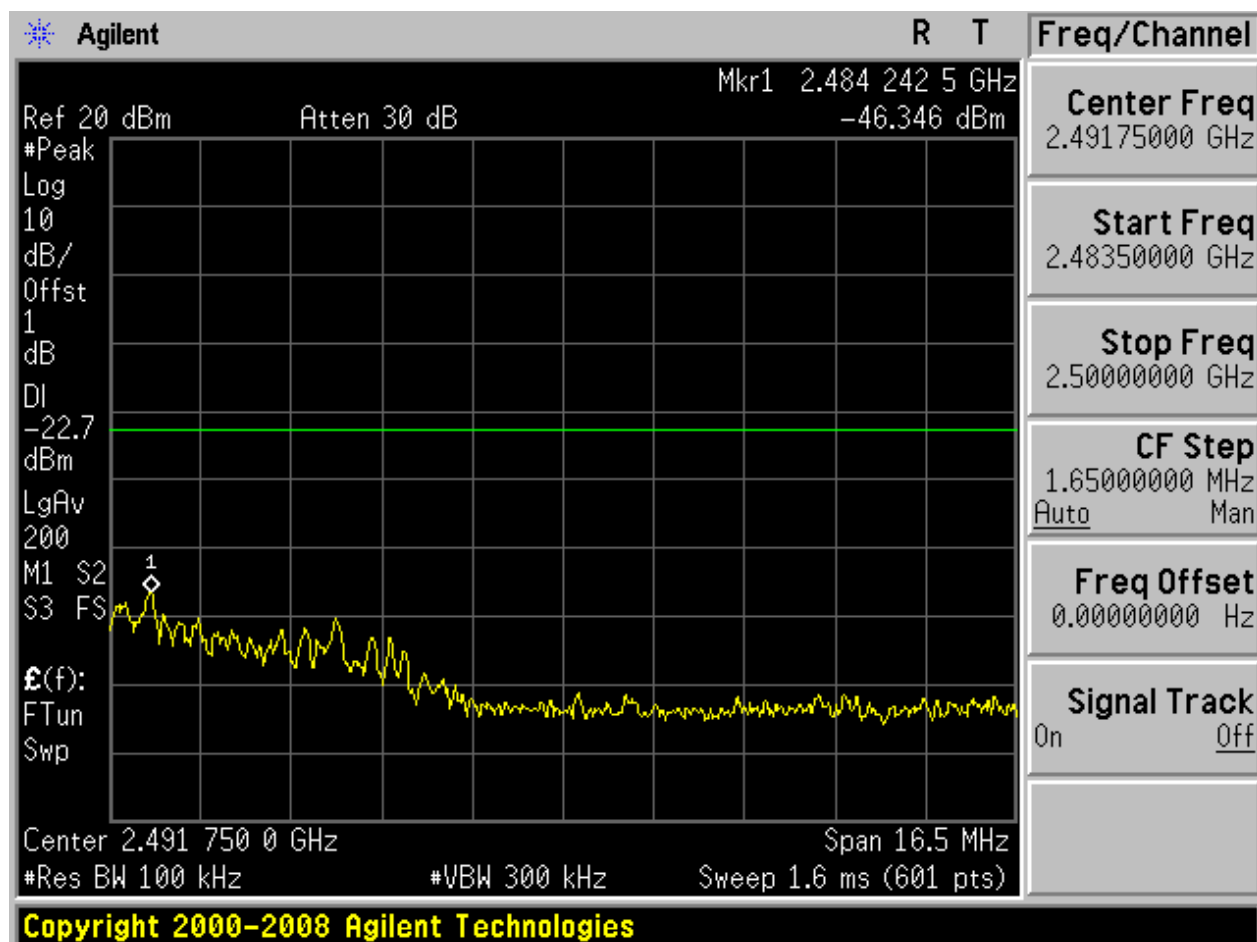
Puw:

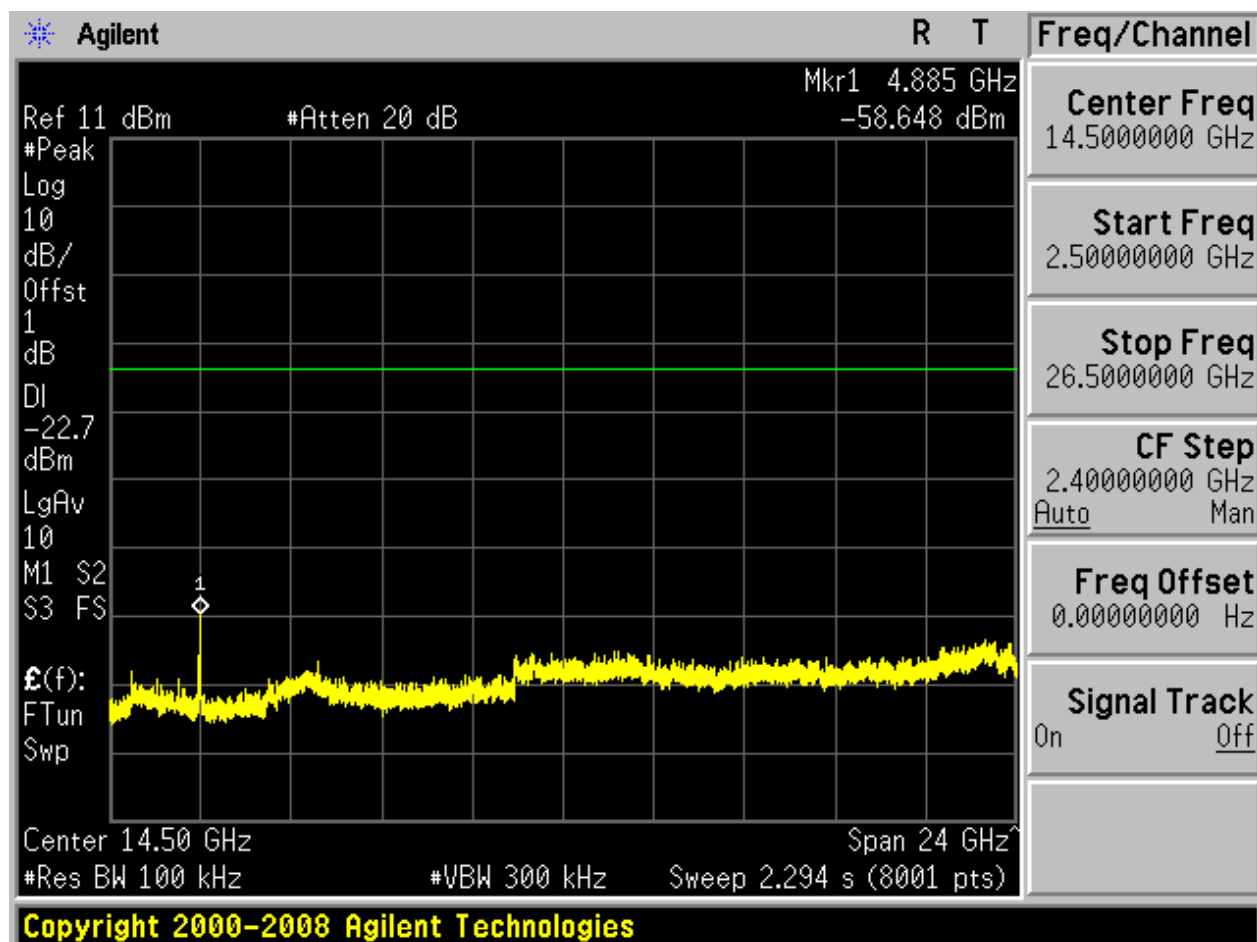








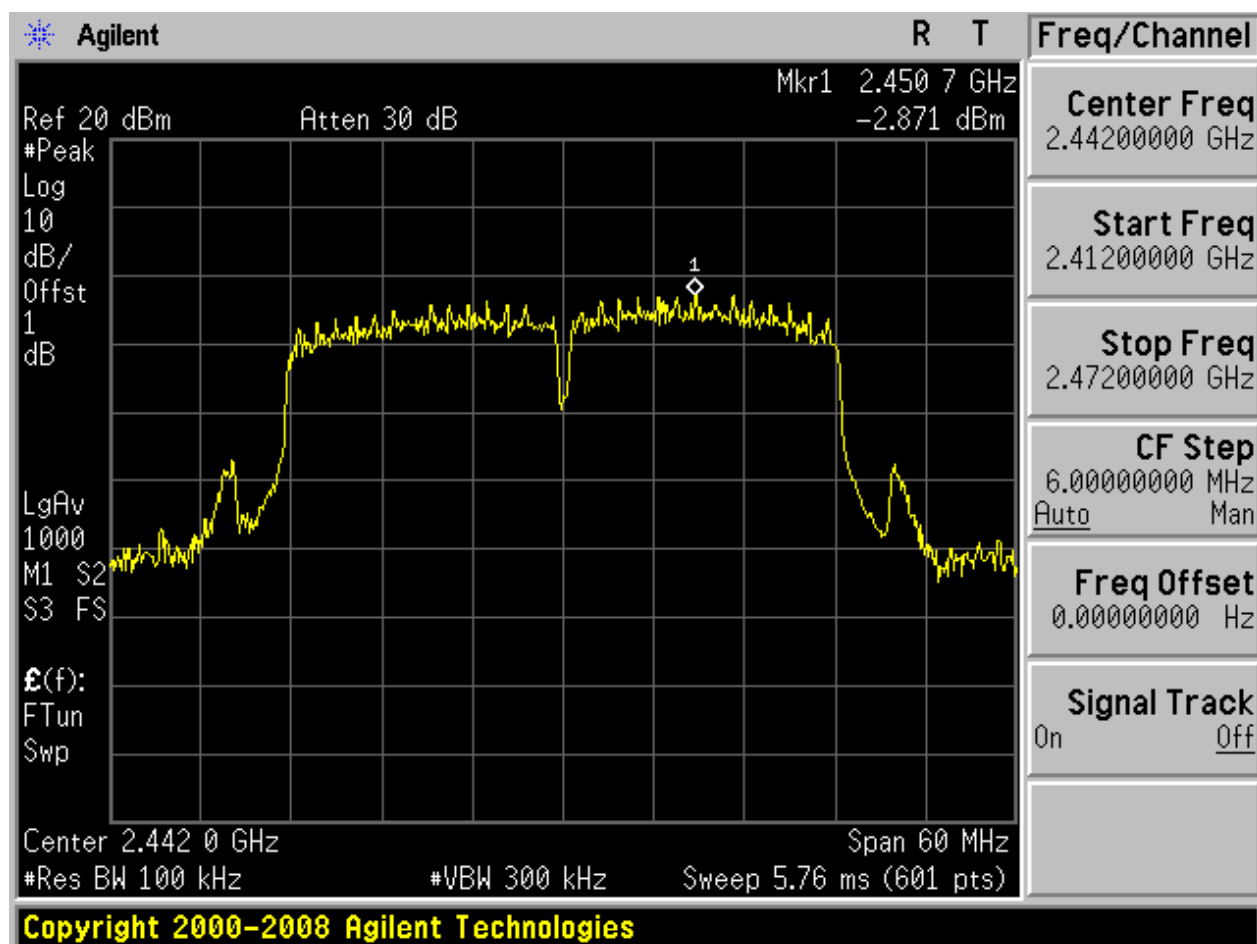






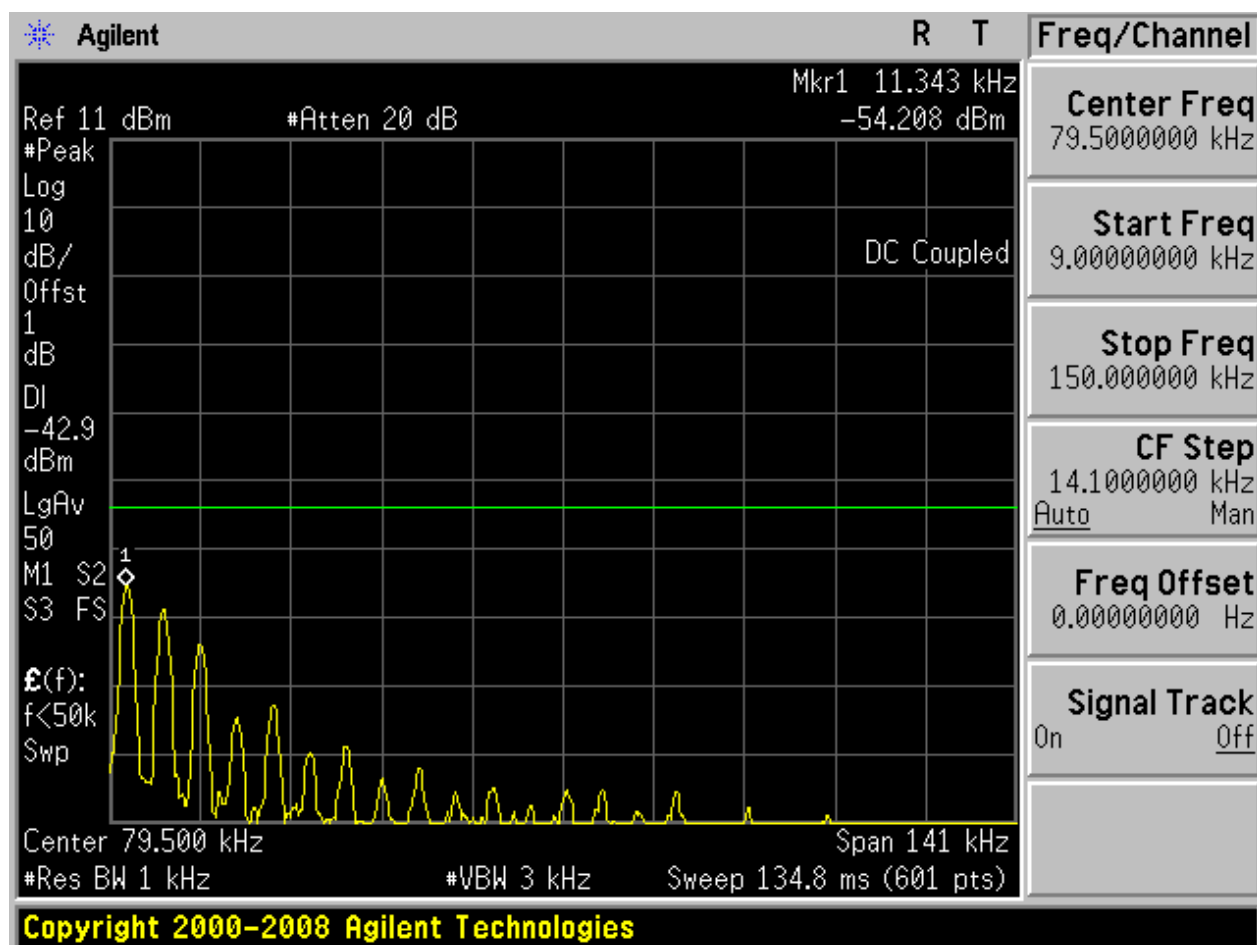
2.36 11N40m_H@Ant 2

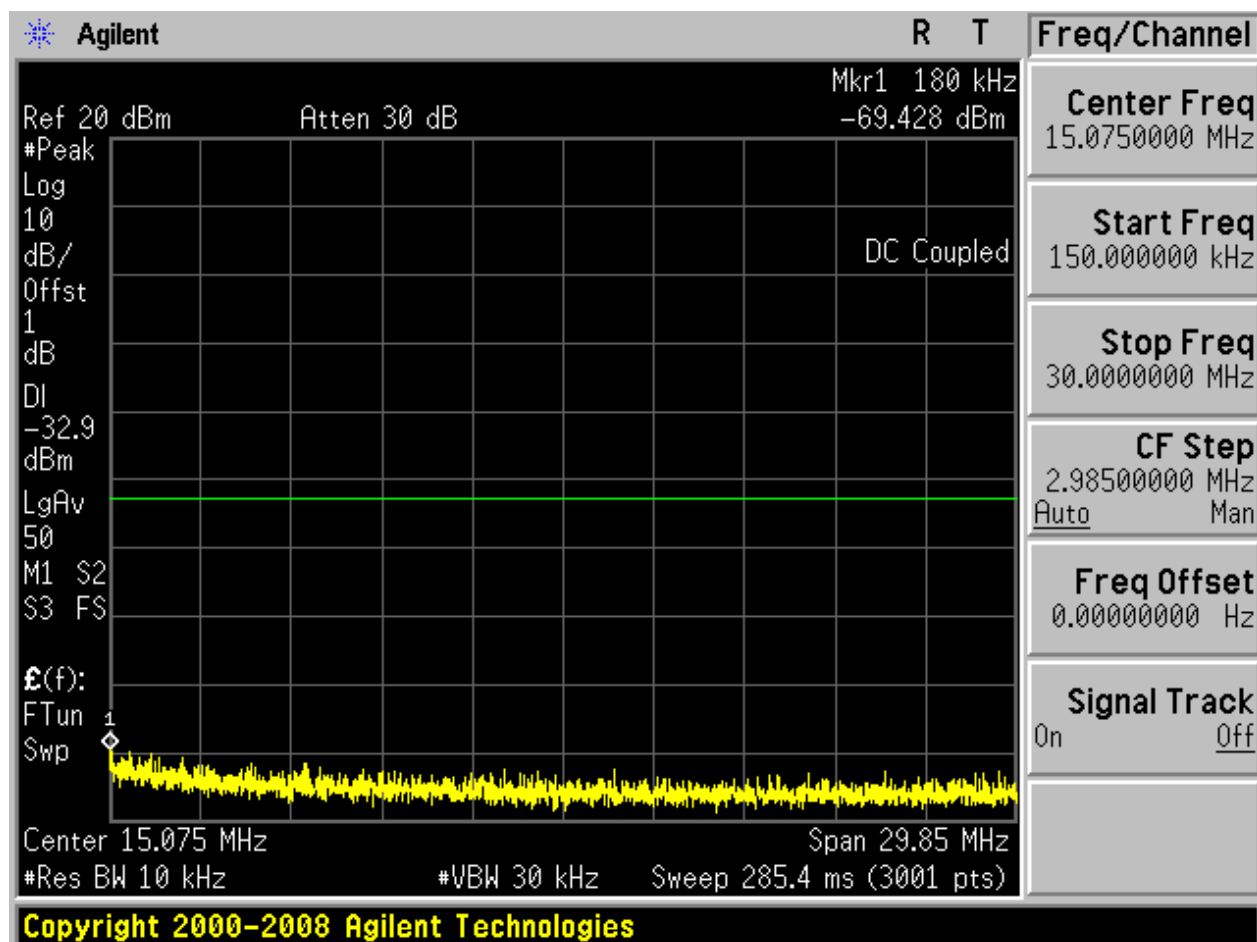
Pref:

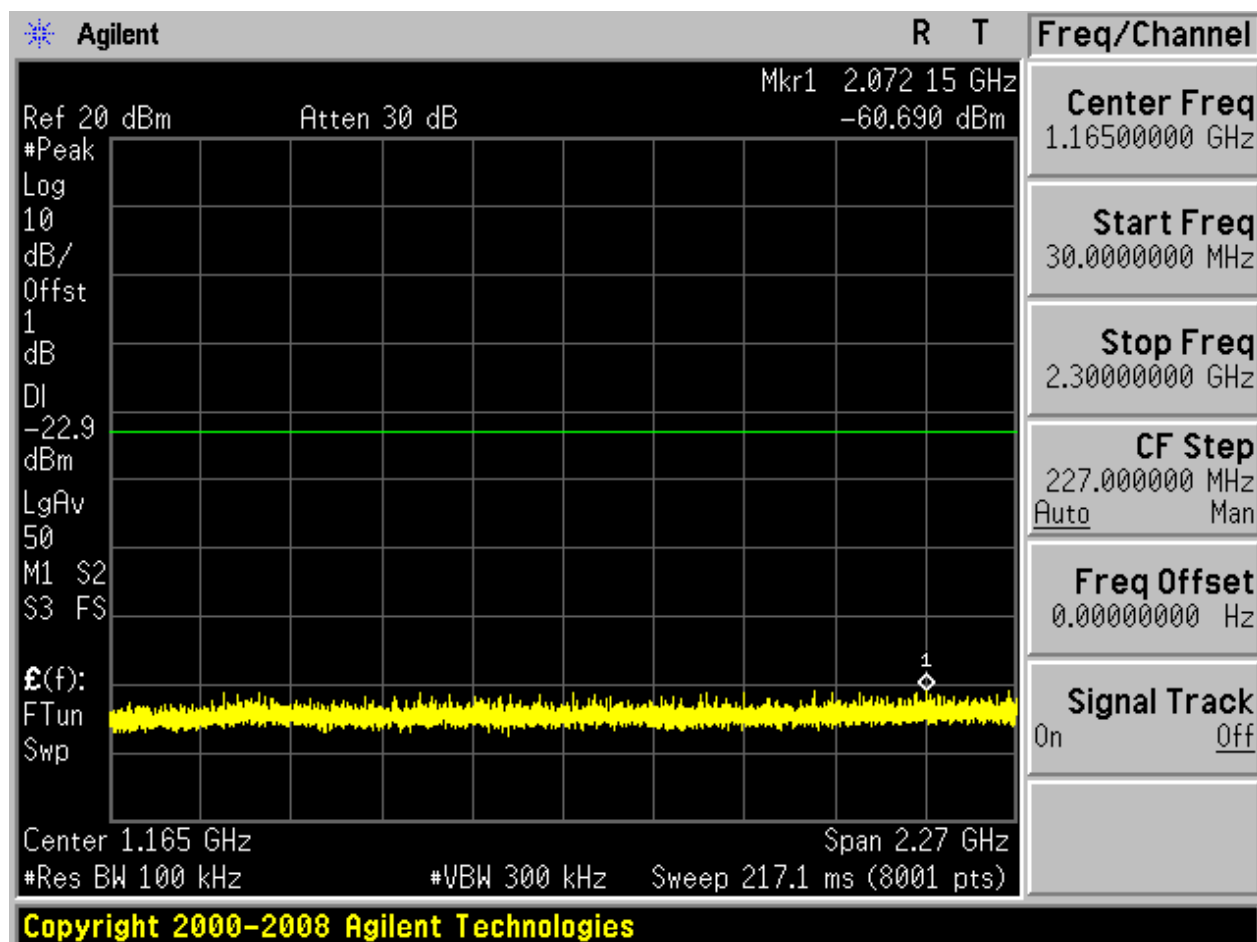


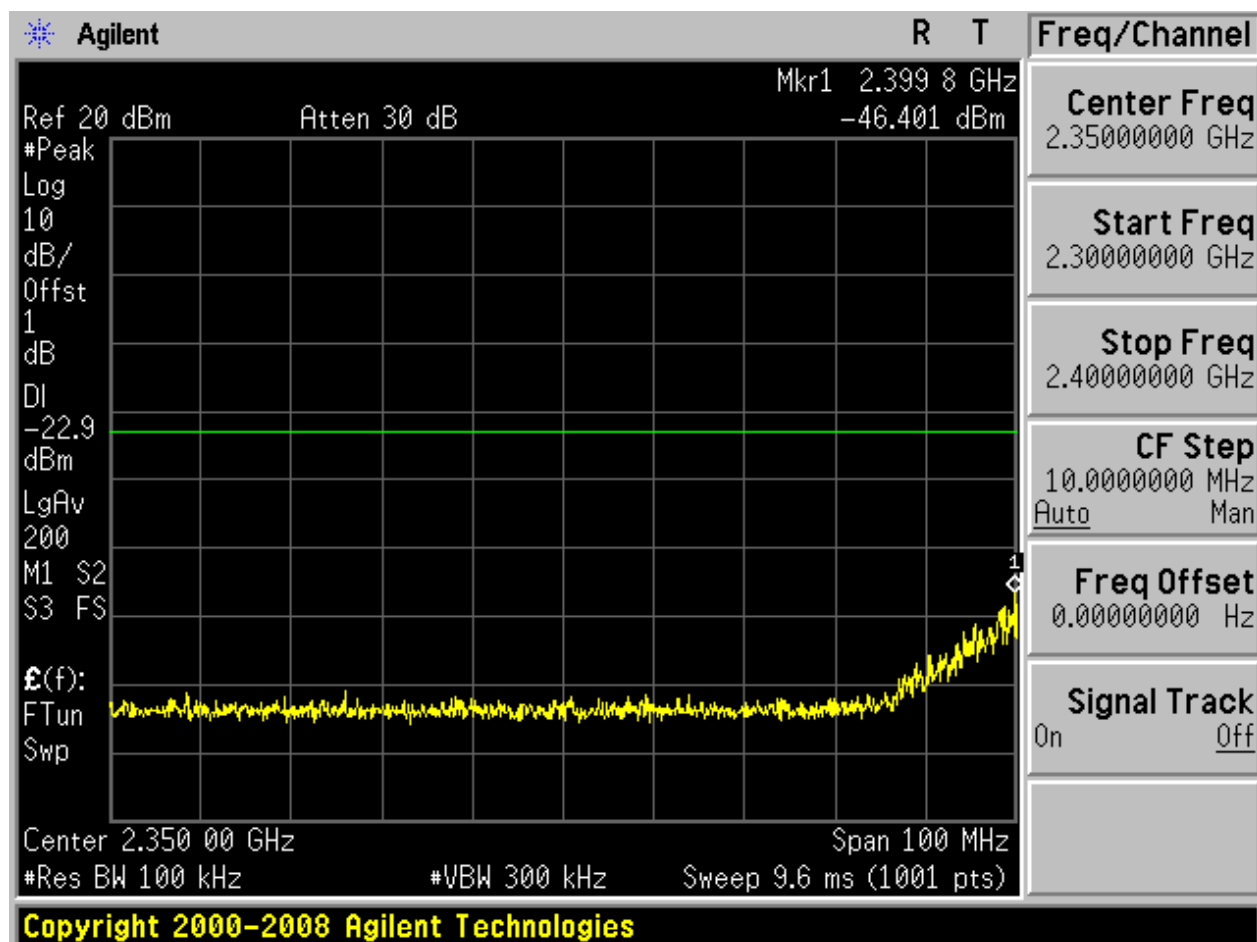


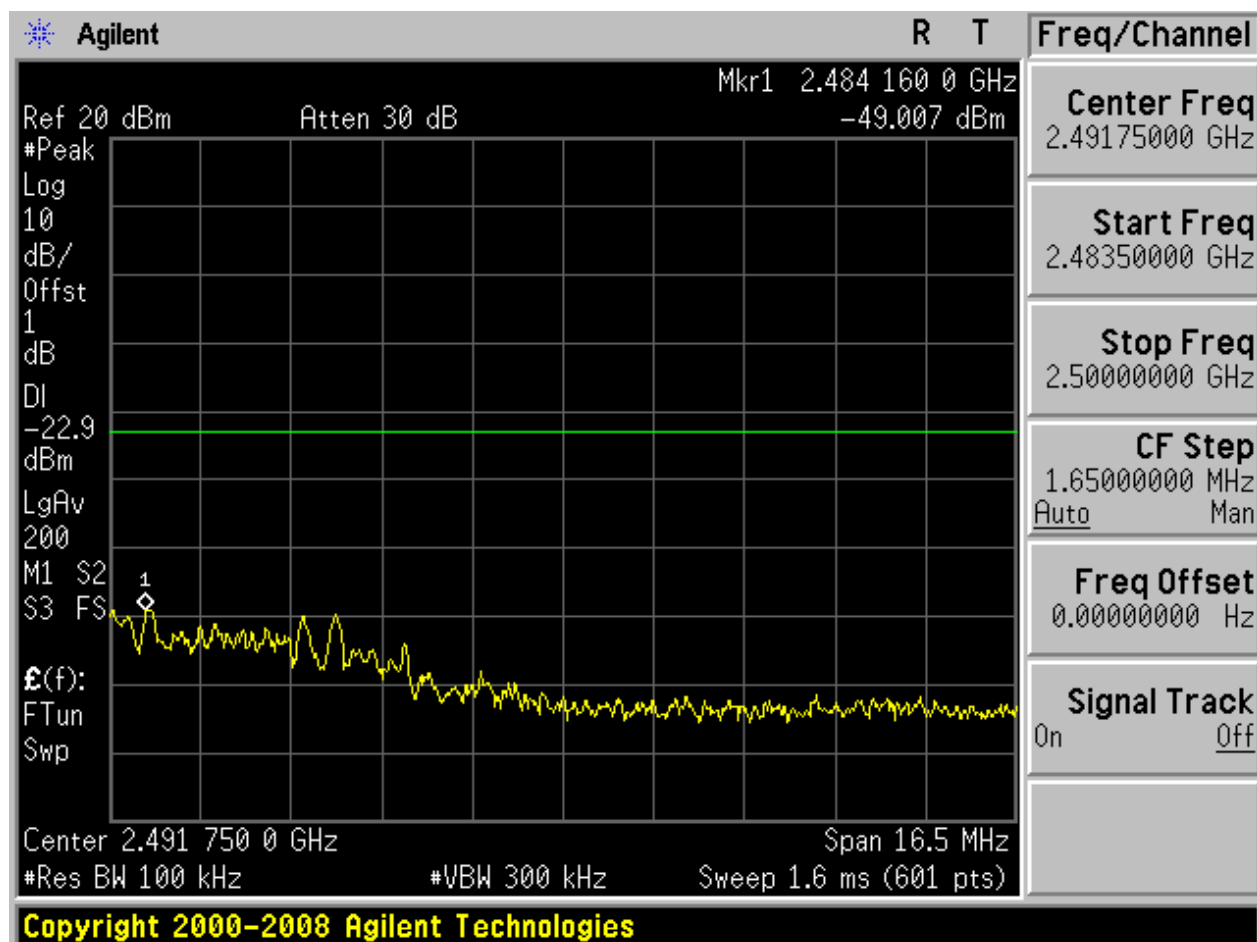
Puw:

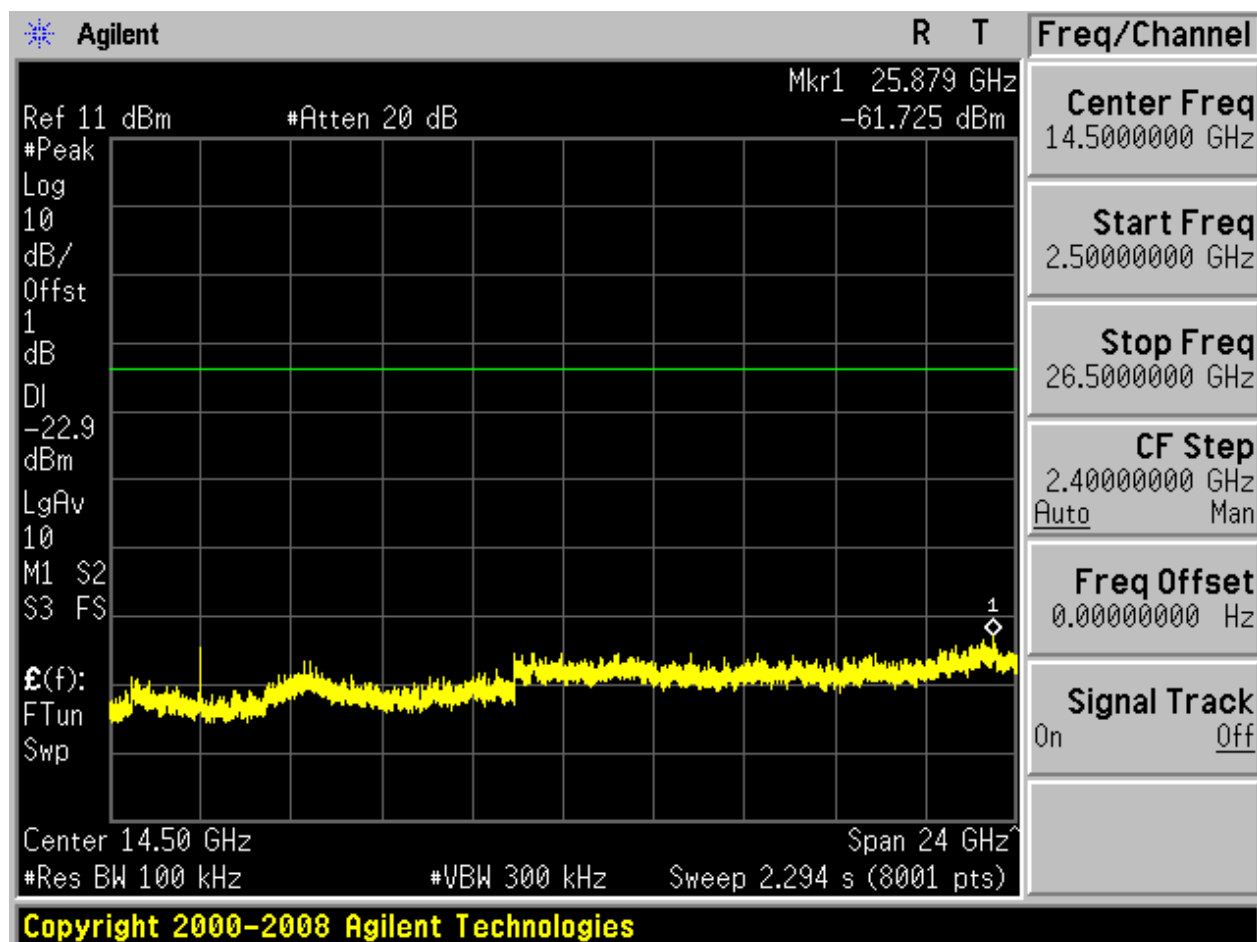












Appendix F: Radiated Spurious Emission & Spurious in Restricted Band

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

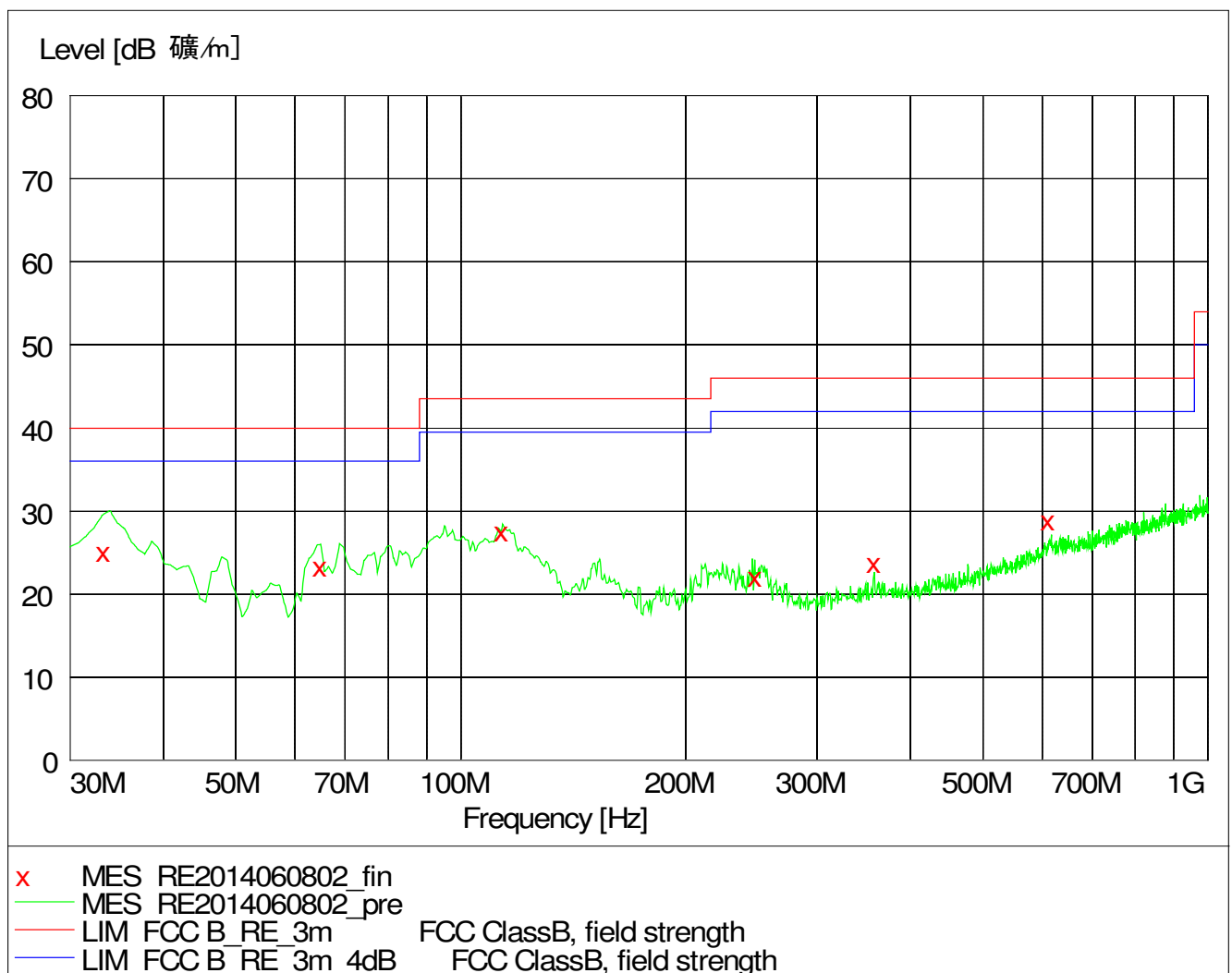
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.

The simultaneous transmission has been considered

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

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).**



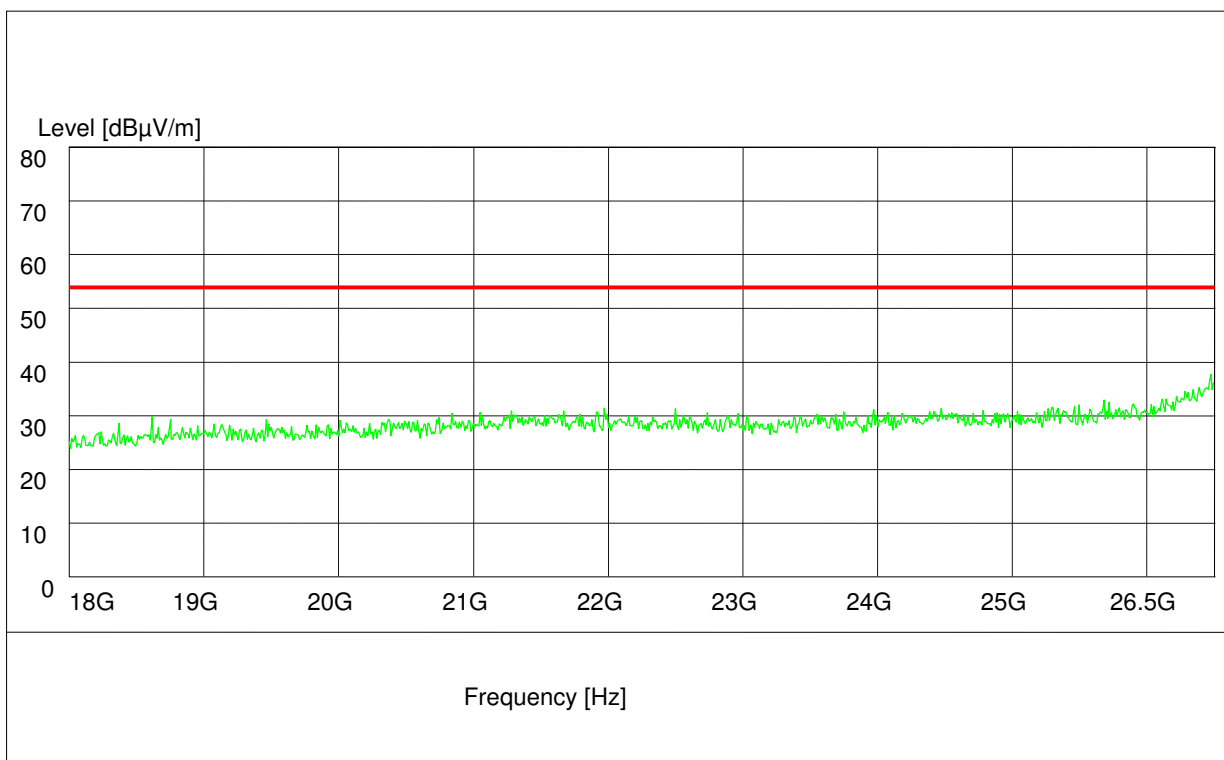
Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Plarization
33.240000	25.40	14.2	40.0	14.6	100.0	360.0	VERTICAL
64.740000	23.60	11.7	40.0	16.4	199.0	83.0	VERTICAL
113.400000	27.80	12.4	43.5	15.7	200.0	0.00	HORIZONTAL
247.620000	22.40	13.9	43.5	23.6	103.0	30.50	HORIZONTAL
357.360000	24.00	16.7	46.0	22.0	100.0	339.0	HORIZONTAL



611.280000	29.20	21.6	46.0	16.8	195.0	281.0	HORIZONTAL
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Part 2: Testing Range of “18 GHz to 26.5 GHz”

Note: No peak found in pre- test.

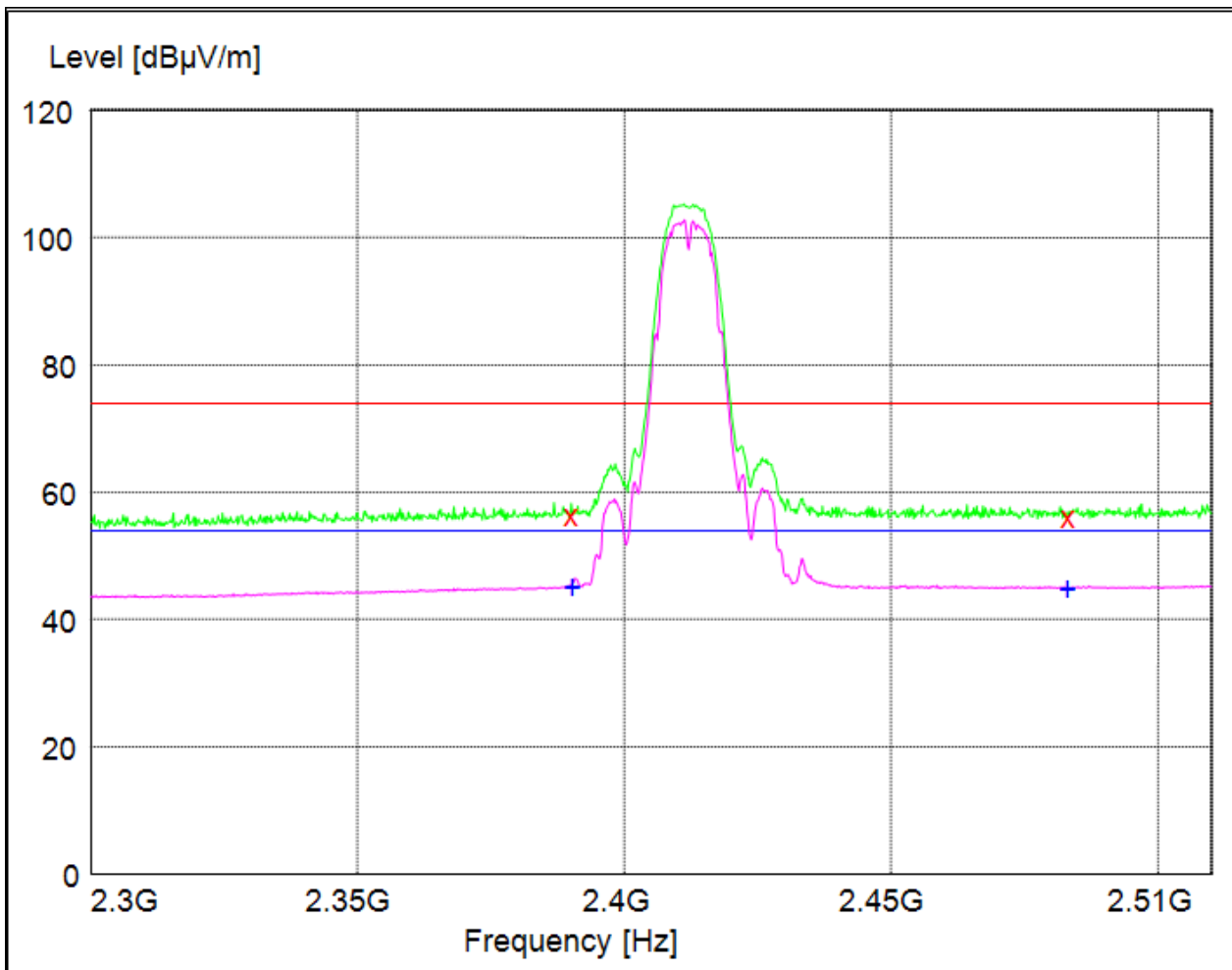


Part 3: Testing Range of “2.3GHz to 2.5GHz”

- Note 1: The testing range of “2.3 GHz to 2.5 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 dB μ V/m) and Average Limit (54 dB μ V/m).
- Note 3: The peak spike exceeds the limit line is EUT’s operating frequency.

Test Mode: 11b

Channel 01



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

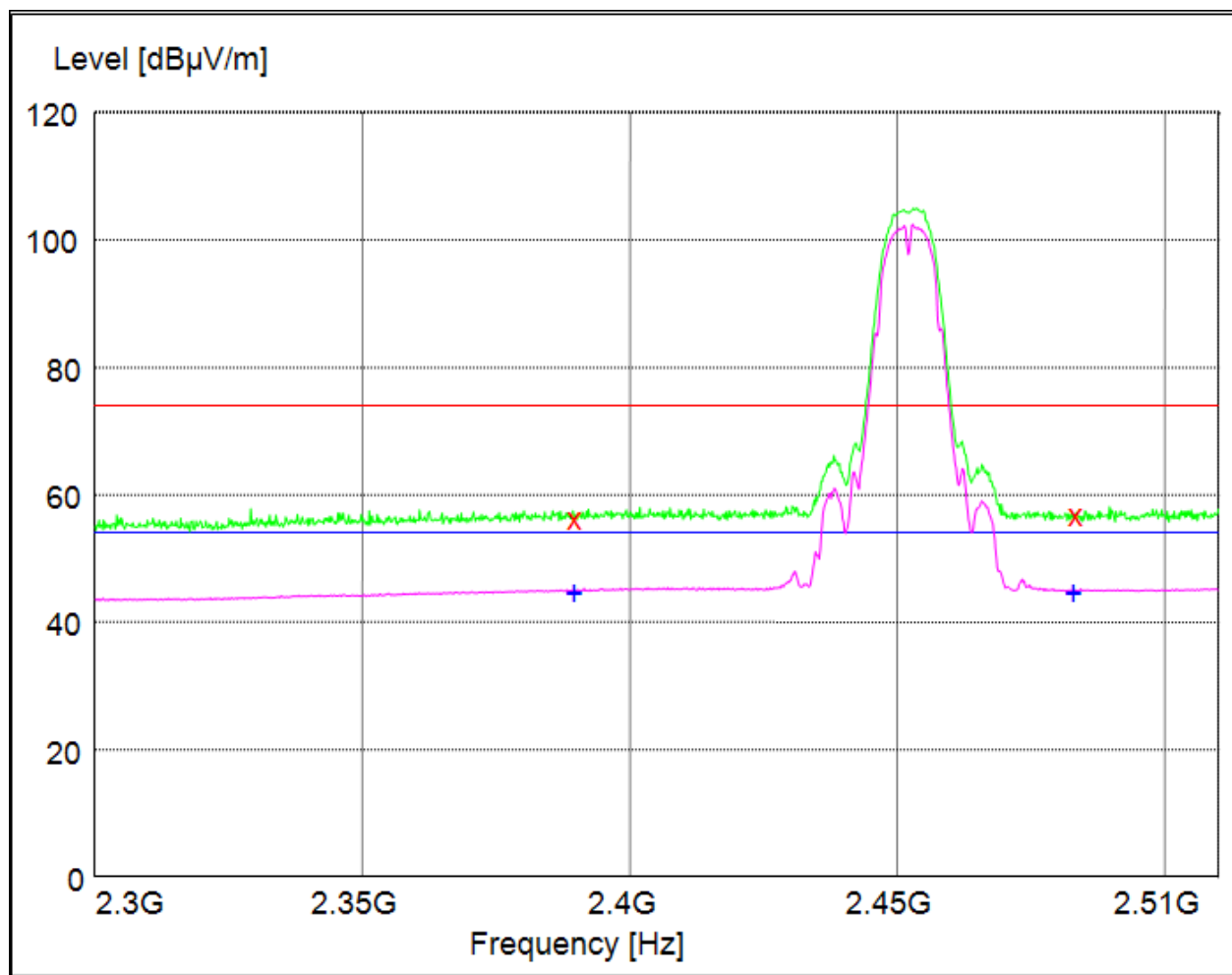
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	56.50	34.7	74.0	17.5	101.0	262.00	HORIZONTAL
2483.500000	56.30	35.0	74.0	17.3	105.0	194.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	45.40	34.7	54.0	8.6	172.0	347.00	HORIZONTAL
2483.500000	45.20	35.0	54.0	8.8	193.0	249.00	HORIZONTAL

Channel 09



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

MEASUREMENT RESULT: PK Detector

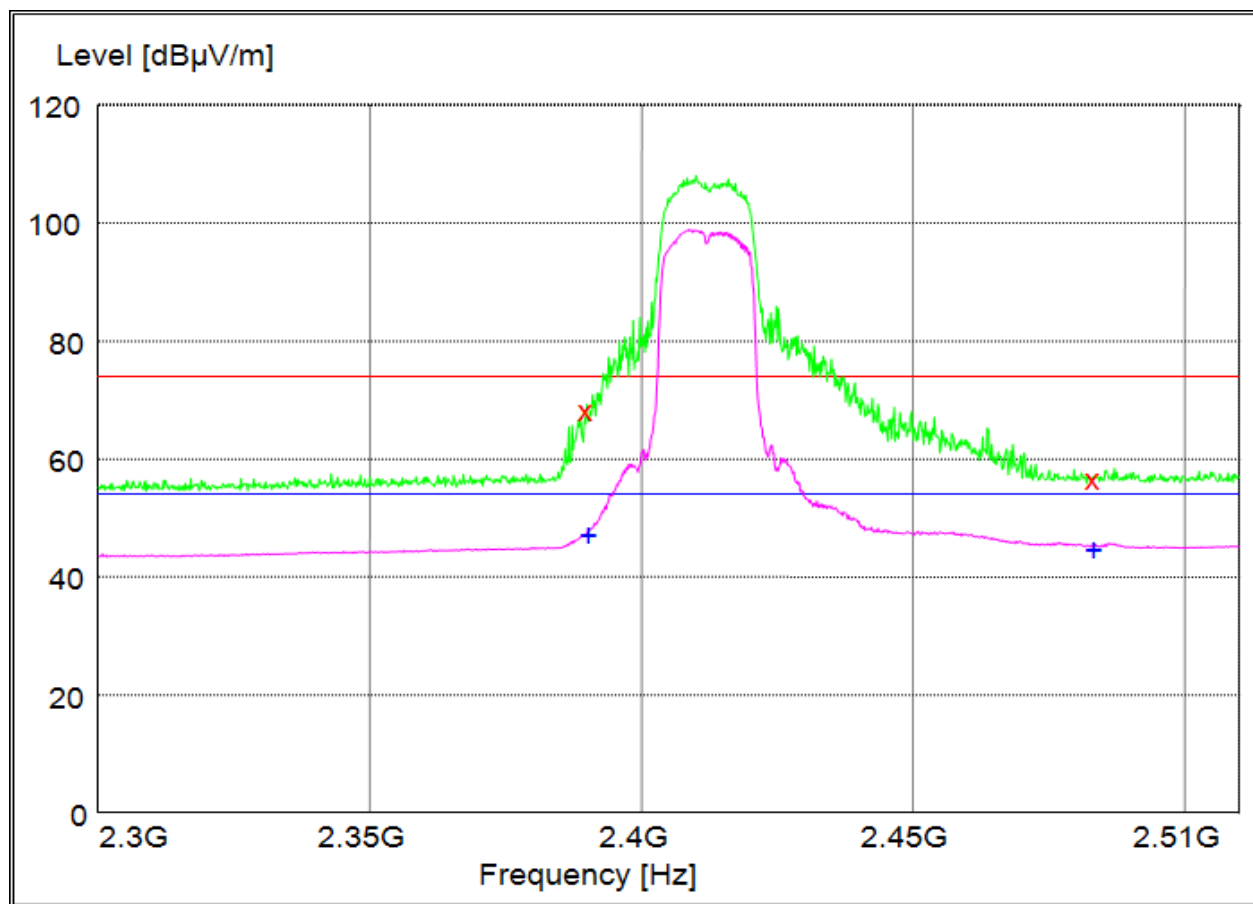
Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	56.10	34.7	74.0	17.9	100.0	323.00	HORIZONTAL
2483.500000	56.30	35.0	74.0	17.7	129.0	128.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	45.60	34.7	54.0	8.4	100.0	268.00	HORIZONTAL
2483.500000	45.90	35.0	54.0	8.1	100.0	202.00	HORIZONTAL

Test Mode: 11g

Channel 01



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

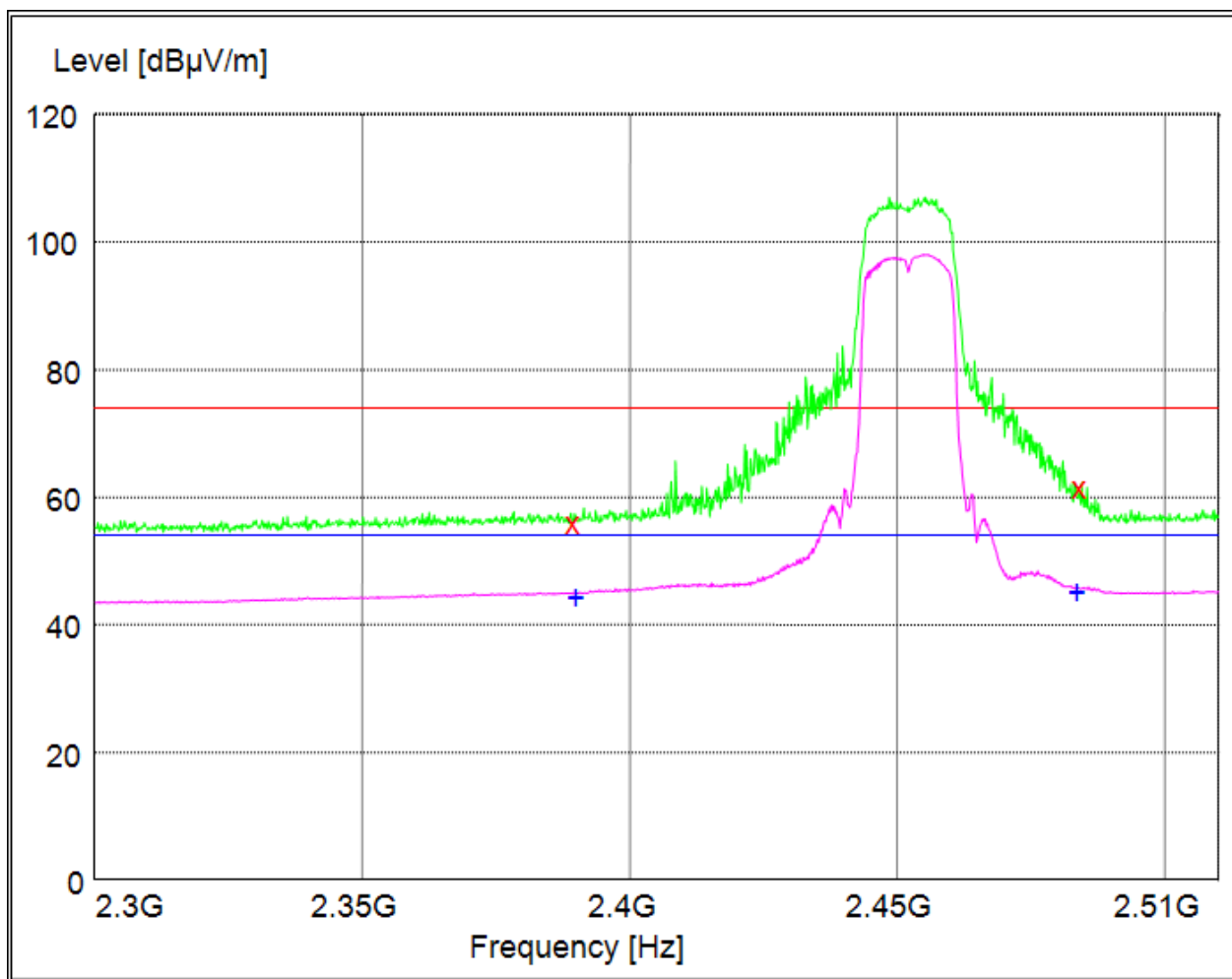
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	68.50	34.7	74.0	5.5	100.0	217.00	HORIZONTAL
2483.500000	56.30	35.0	74.0	17.7	100.0	249.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.80	34.7	54.0	7.2	100.0	267.00	HORIZONTAL
2483.500000	45.00	35.0	54.0	9.0	100.0	269.00	HORIZONTAL

Channel 09



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

MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
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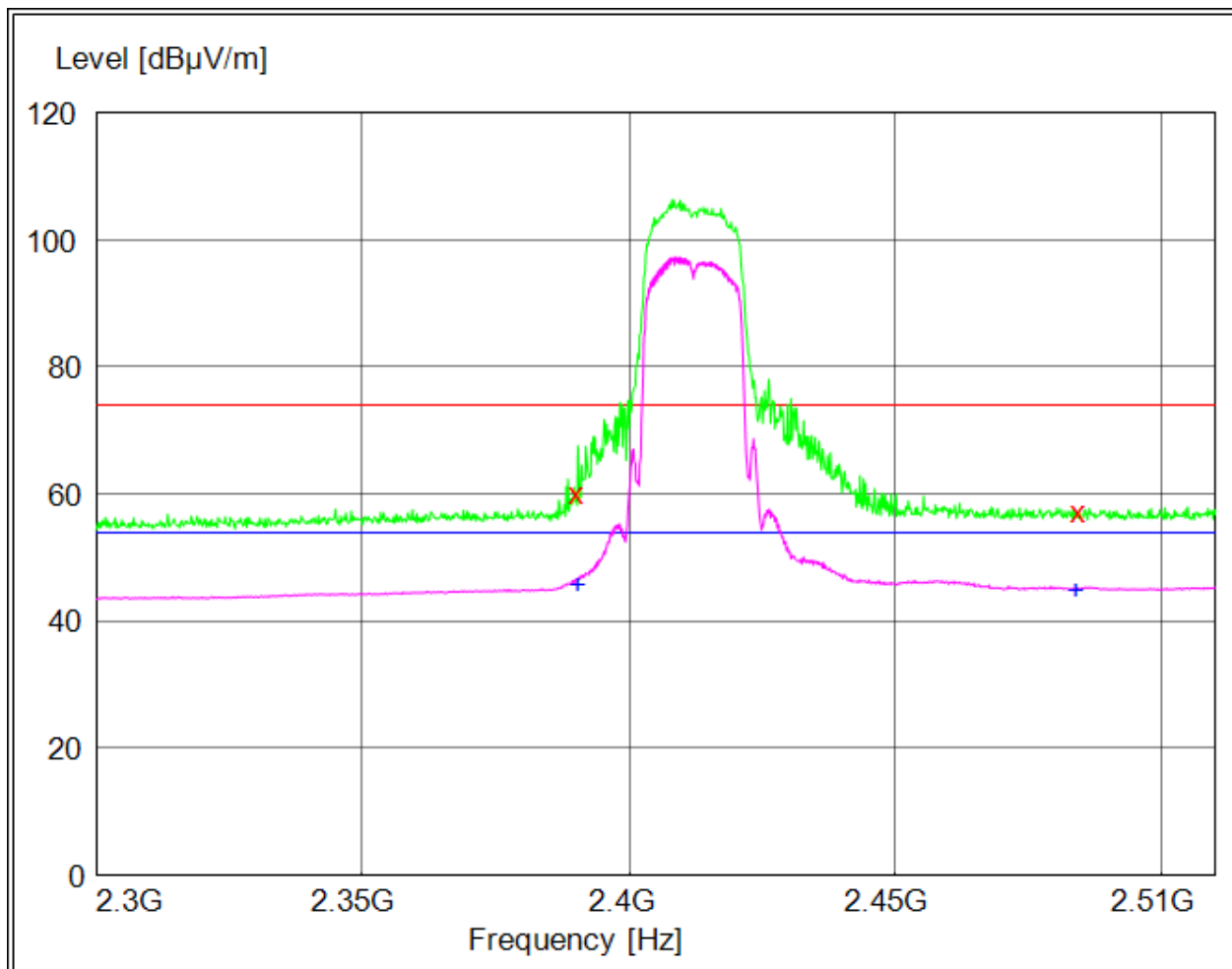
2390.000000	55.90	34.7	74.0	18.1	154.0	0.00	VERTICAL
2483.500000	60.40	35.0	74.0	13.6	100.0	199.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	45.40	34.7	54.0	8.6	100.0	45.00	HORIZONTAL
2483.500000	45.60	35.0	54.0	8.4	121.0	201.00	HORIZONTAL

Test Mode: 11n

Channel 01



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

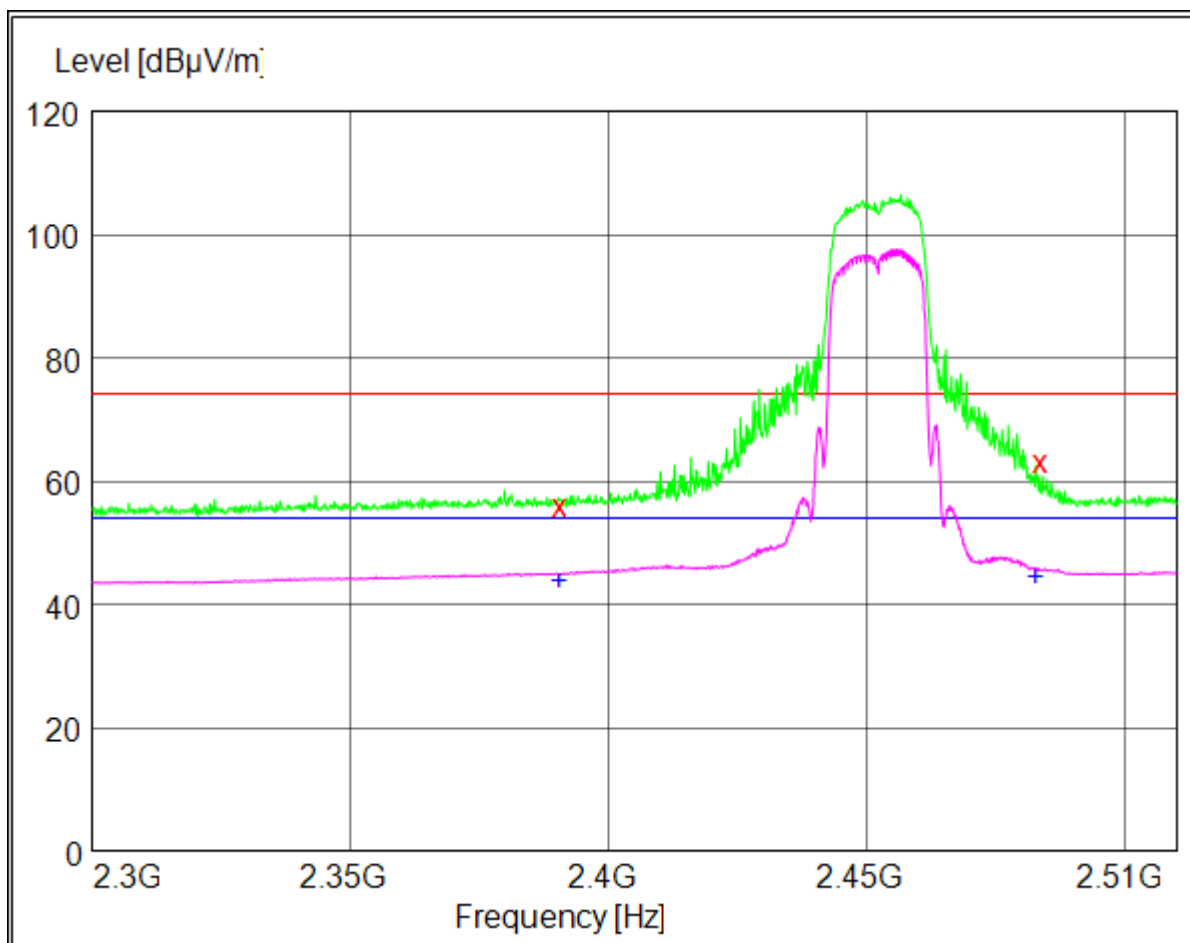
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	60.10	34.7	74.0	14.0	200.0	77.00	HORIZONTAL
2483.500000	57.10	35.0	74.0	17.9	101.0	206.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	34.7	54.0	7.6	101.0	218.00	HORIZONTAL
2483.500000	46.10	35.0	54.0	7.9	101.0	219.00	HORIZONTAL

Channel 09



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

MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	56.20	34.7	74.0	17.8	164.0	240.00	VERTICAL



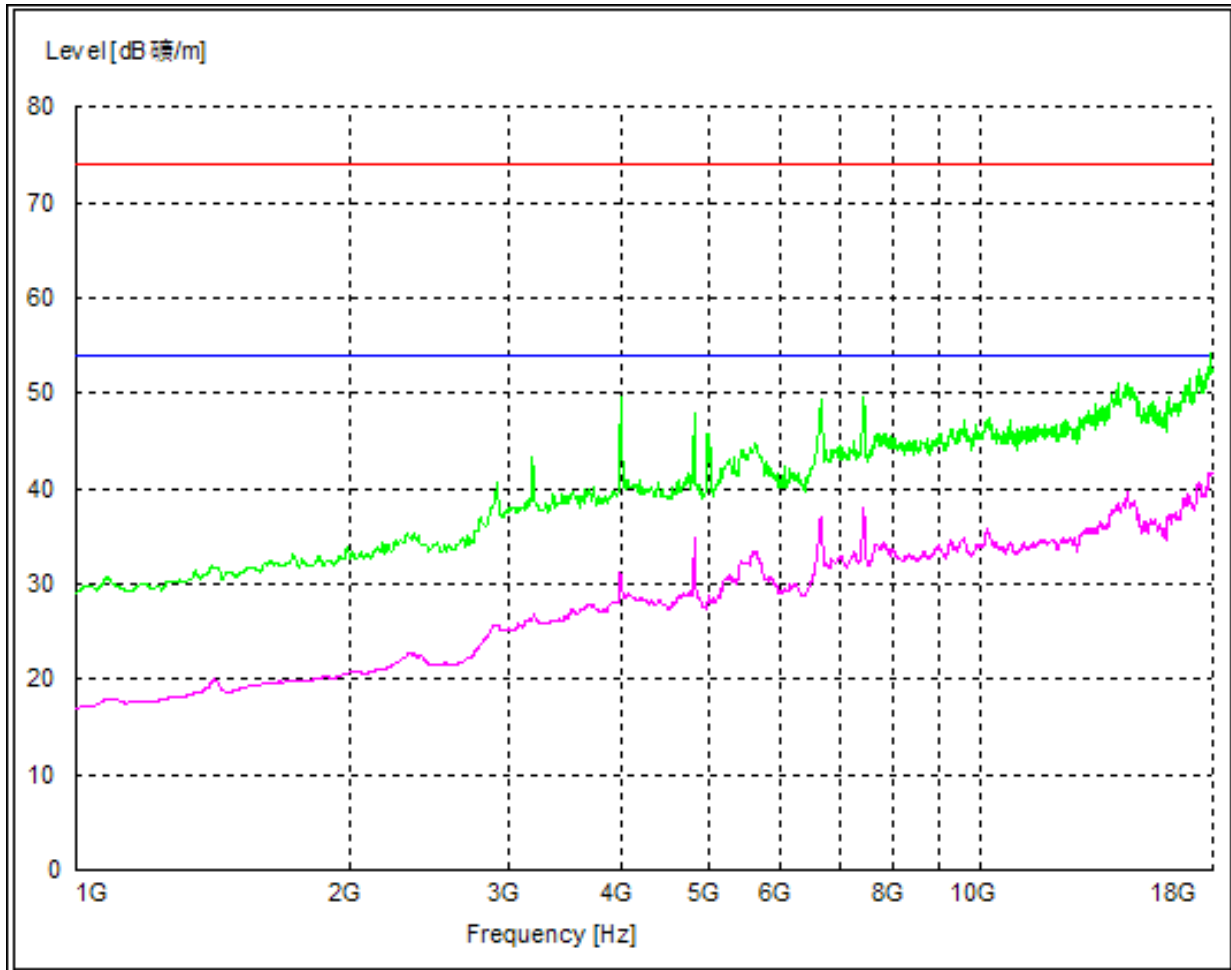
2483.500000	63.80	35.0	74.0	10.2	101.0	227.00	HORIZONTAL
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MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	45.40	34.7	54.0	8.6	102.0	123.00	HORIZONTAL
2483.500000	46.00	35.0	54.0	8.0	102.0	223.00	HORIZONTAL

Part 4: Testing Range of “1 GHz to 18 GHz”

- Note 1: The test results and plot for testing range of “1 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 “1 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 dB μ V/m) and Average Limit (54 dB μ V/m).

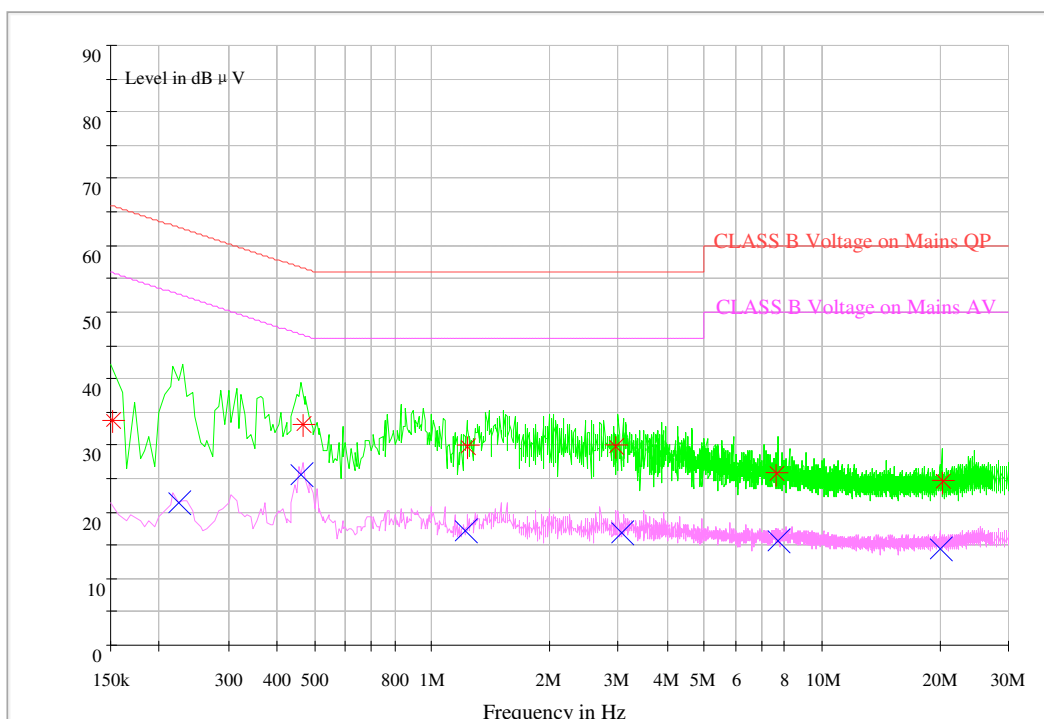


Appendix G: Conducted Emission at Power Port

Note: RBW =9 kHz, VBW = 30 kHz

Channel 6

CLASS B Voltage with ENV216



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.151705	33.7	9.7	65.9	32.2	N	FLO
0.466462	33.1	9.7	56.6	23.5	N	FLO
1.231530	30.2	9.7	56.0	25.8	N	FLO
2.962376	30.1	9.7	56.0	25.9	N	FLO
7.627068	25.5	9.9	60.0	34.5	N	FLO
20.269204	24.5	10.1	60.0	35.5	N	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.25362	21.5	9.7	52.7	31.2	N	FLO
0.834308	25.6	9.7	46.7	21.1	N	FLO
1.170142	17.2	9.7	46.0	28.8	N	FLO
3.709016	16.8	9.7	46.0	29.2	N	FLO
5.516468	15.7	9.9	50.0	34.3	N	FLO
12.00689	14.5	10.1	50.0	35.5	N	FLO

END