Appendix for Test report

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Appendix A: DTS (6 dB) Bandwidth

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

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

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11B	L	2412	Ant 1	9.76	pass
11B	L	2412	Ant 2	9.83	pass
11B	M	2427	Ant 1	10.00	pass
11B	M	2427	Ant 2	9.95	pass
11B	H	2442	Ant 1	9.92	pass
11B	H	2442	Ant 2	9.97	pass
11G	L	2412	Ant 1	16.59	pass
11G	L	2412	Ant 2	16.59	pass
11G	M	2427	Ant 1	16.59	pass
11G	M	2427	Ant 2	16.60	pass
11G	H	2442	Ant 1	16.58	pass
11G	H	2442	Ant 2	16.58	pass
11N20	L	2412	Ant 1	17.81	pass
11N20	L	2412	Ant 2	17.80	pass
11N20	M	2427	Ant 1	17.84	pass
11N20	M	2427	Ant 2	17.82	pass
11N20	H	2442	Ant 1	17.84	pass
11N20	H	2442	Ant 2	17.49	pass
11N20m	L	2412	Ant 1	17.79	pass
11N20m	L	2412	Ant 2	17.82	pass
11N20m	M	2427	Ant 1	17.81	pass
11N20m	M	2427	Ant 2	17.80	pass
11N20m	H	2442	Ant 1	17.81	pass
11N20m	H	2442	Ant 2	17.80	pass
11N40	L	2422	Ant 1	36.50	pass
11N40	L	2422	Ant 2	36.53	pass
11N40	M	2427	Ant 1	36.52	pass
11N40	M	2427	Ant 2	36.55	pass

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Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11N40	H	2432	Ant 1	36.53	pass
11N40	H	2432	Ant 2	36.60	pass
11N40m	L	2422	Ant 1	36.50	pass
11N40m	L	2422	Ant 2	36.53	pass
11N40m	M	2427	Ant 1	36.53	pass
11N40m	M	2427	Ant 2	36.54	pass
11N40m	H	2432	Ant 1	36.51	pass
11N40m	H	2432	Ant 2	36.56	pass

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Part II - Test Plots

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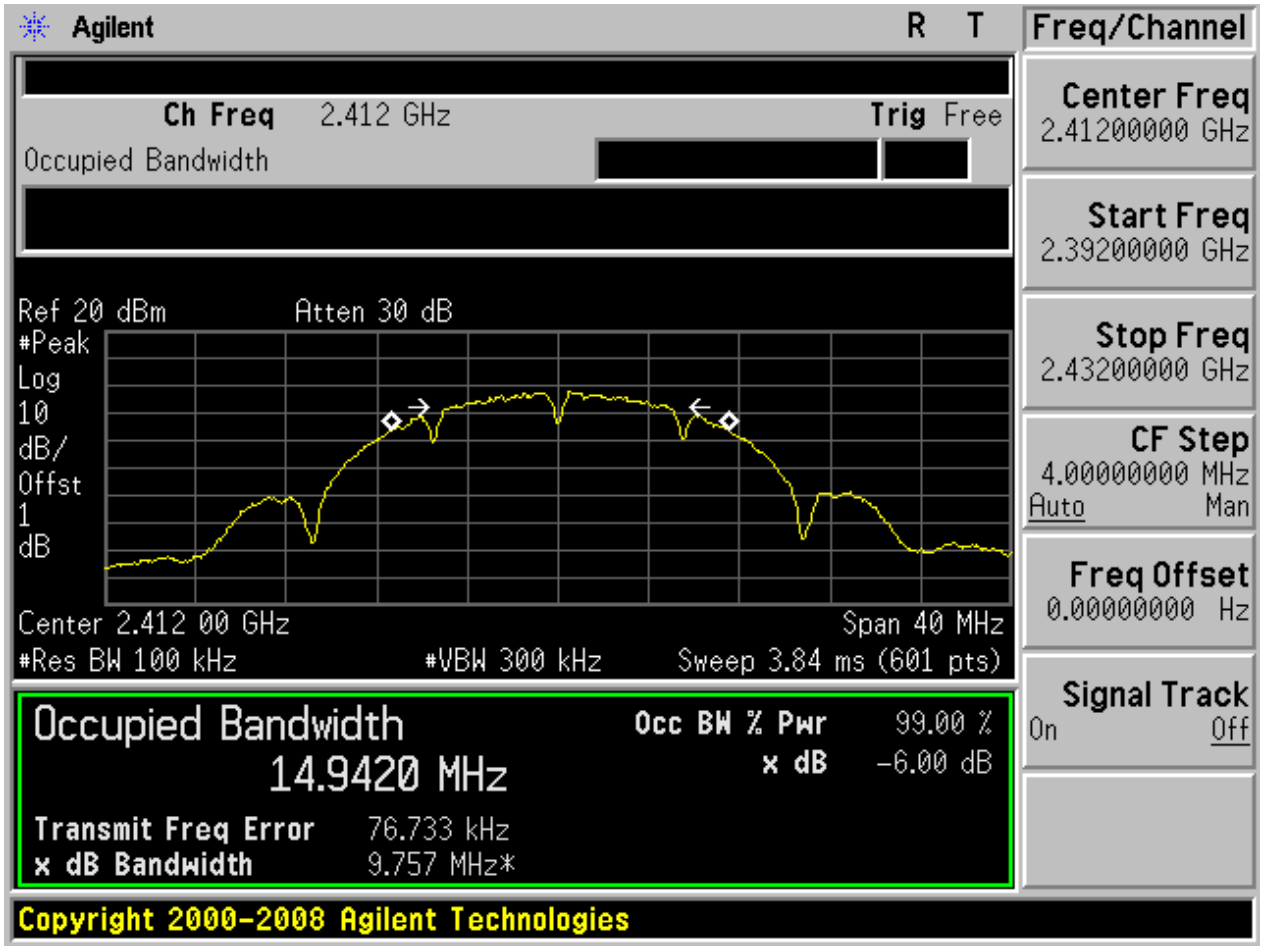

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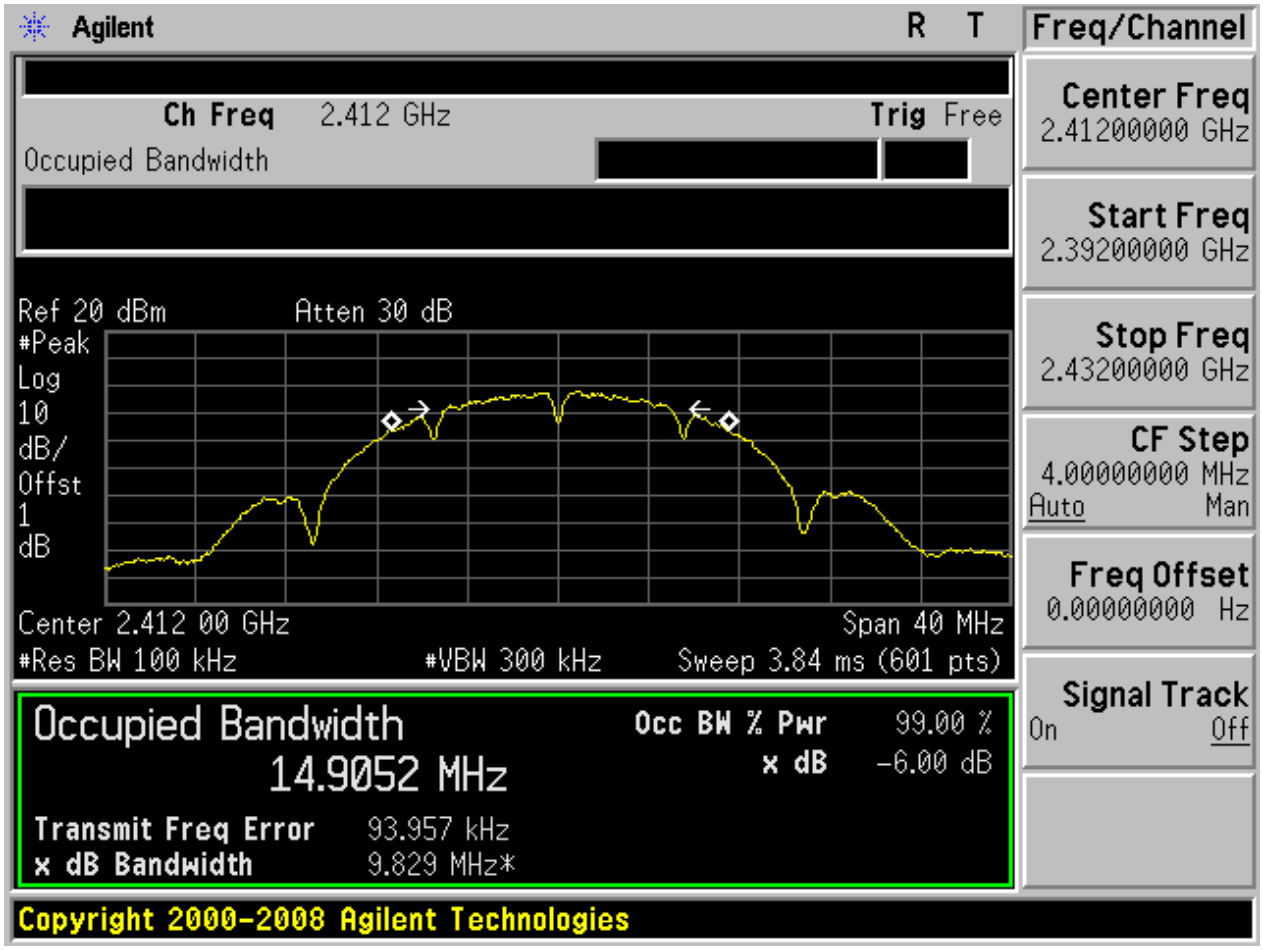

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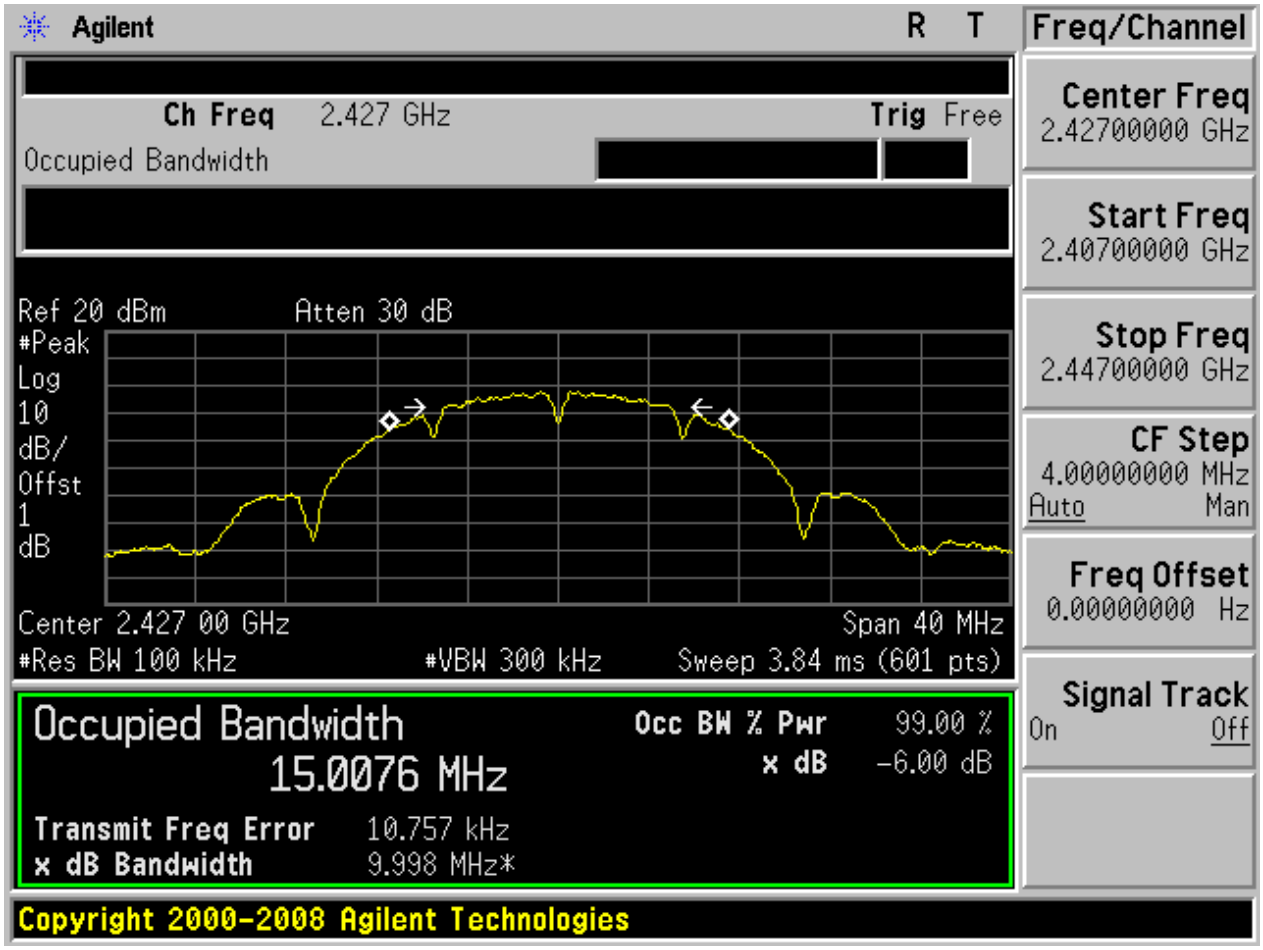

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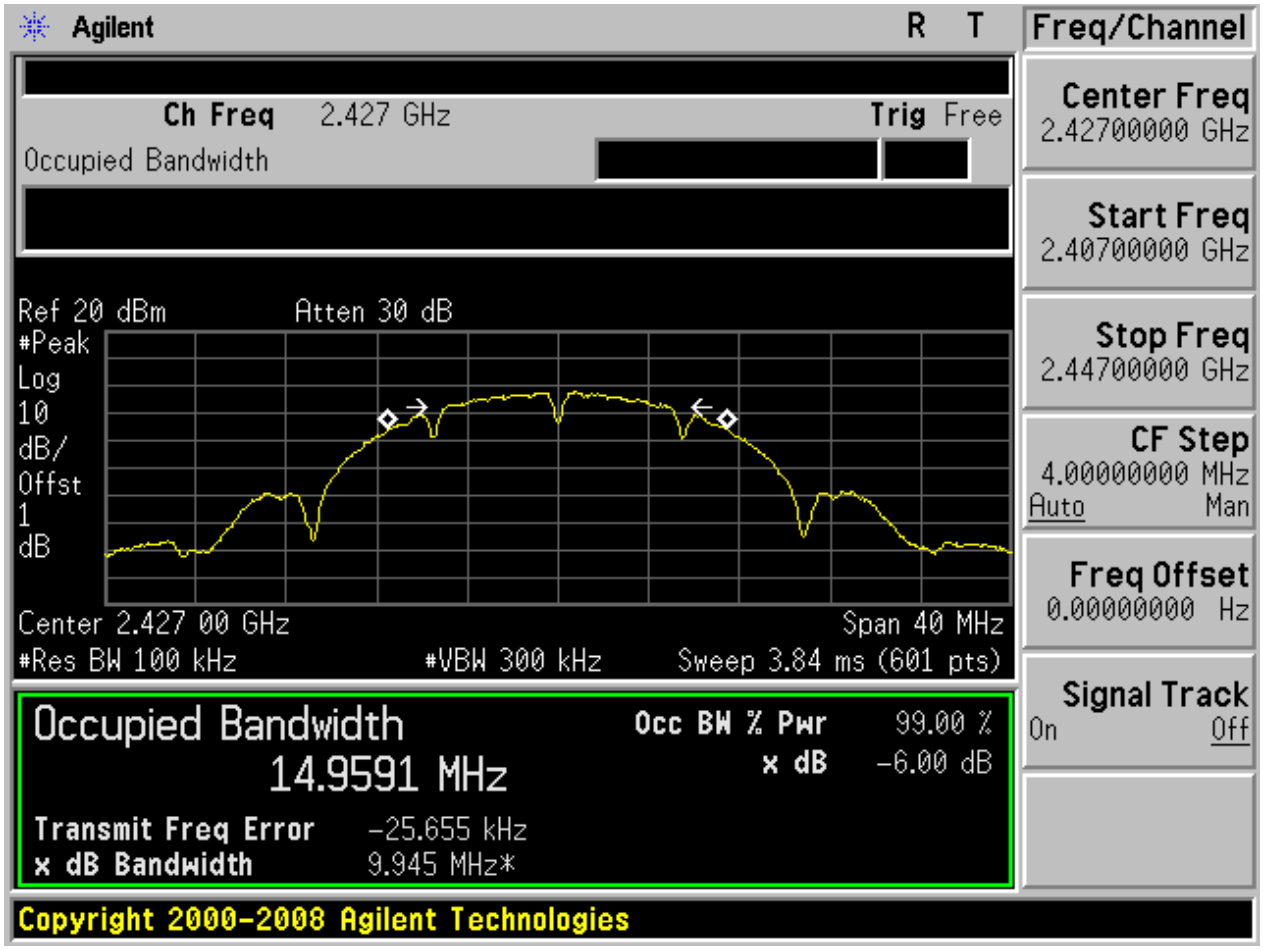

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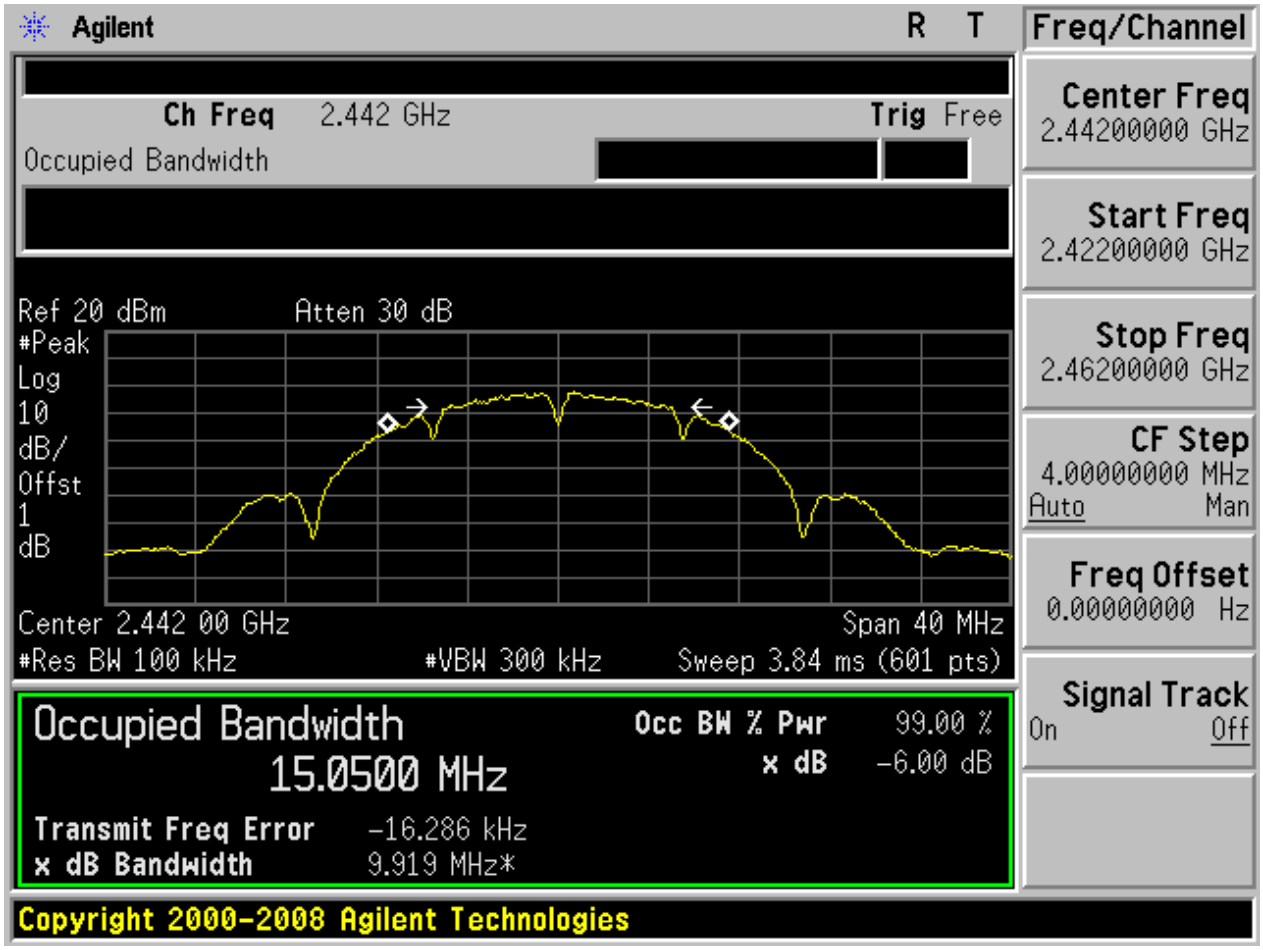

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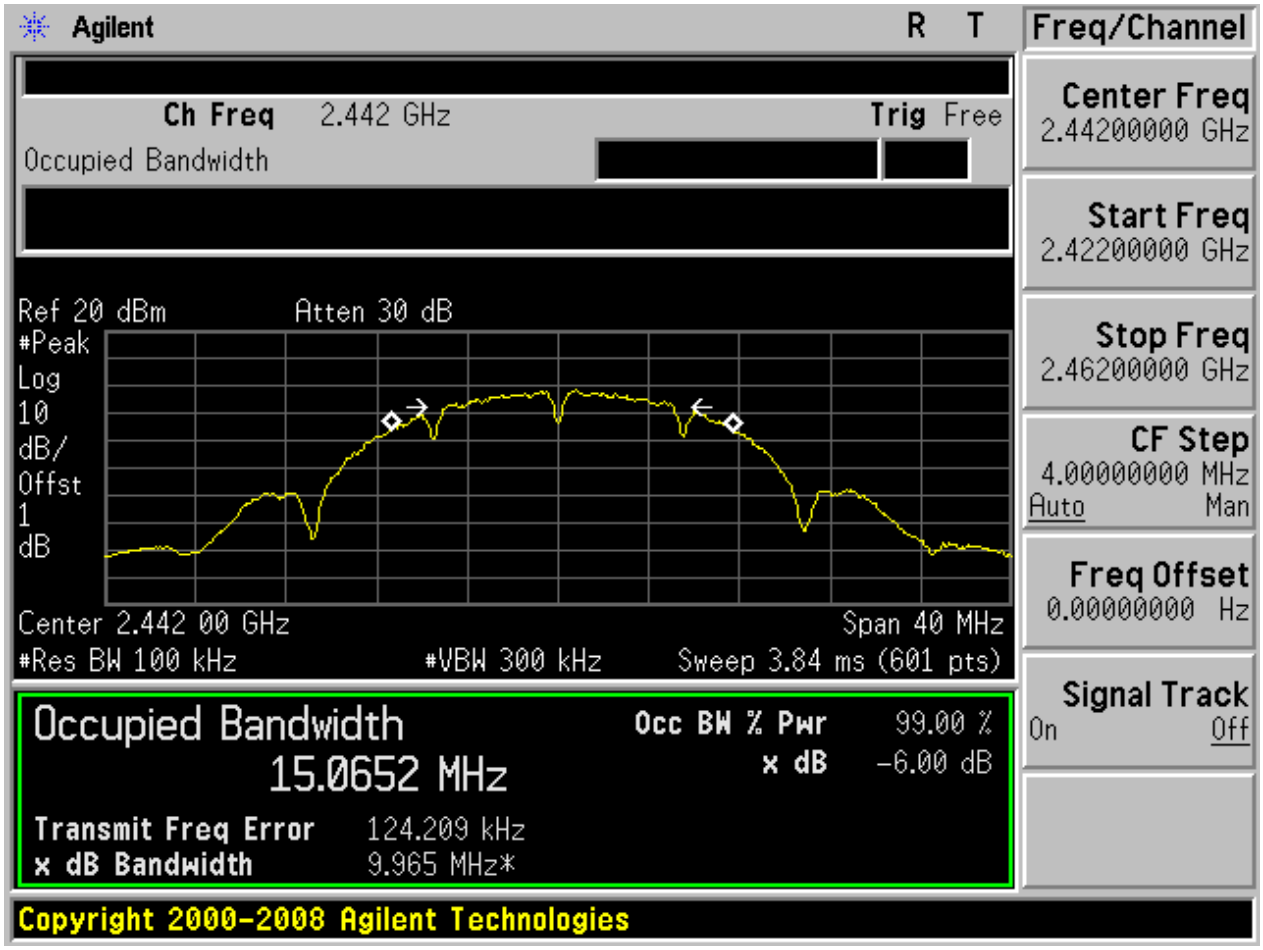

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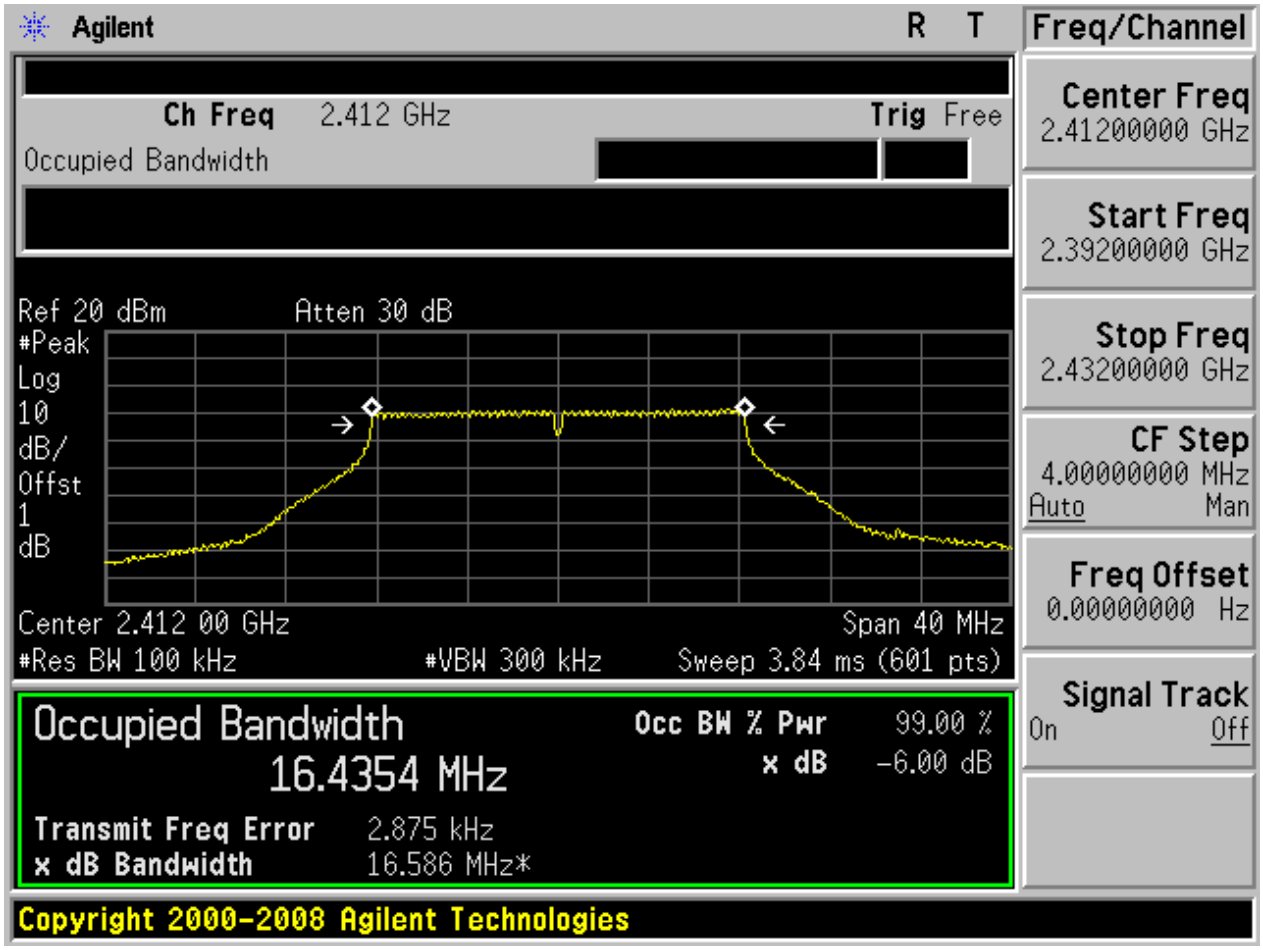

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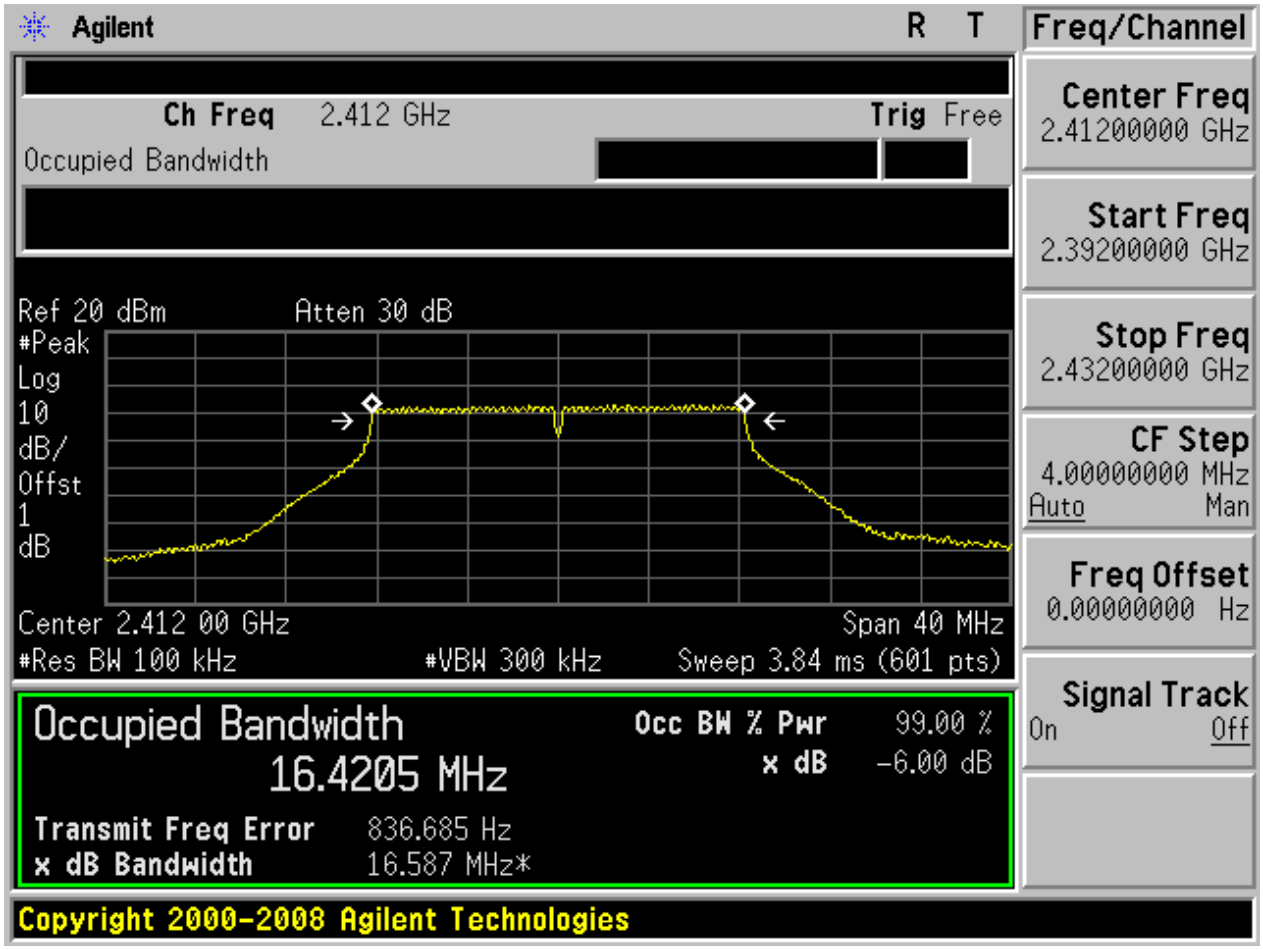

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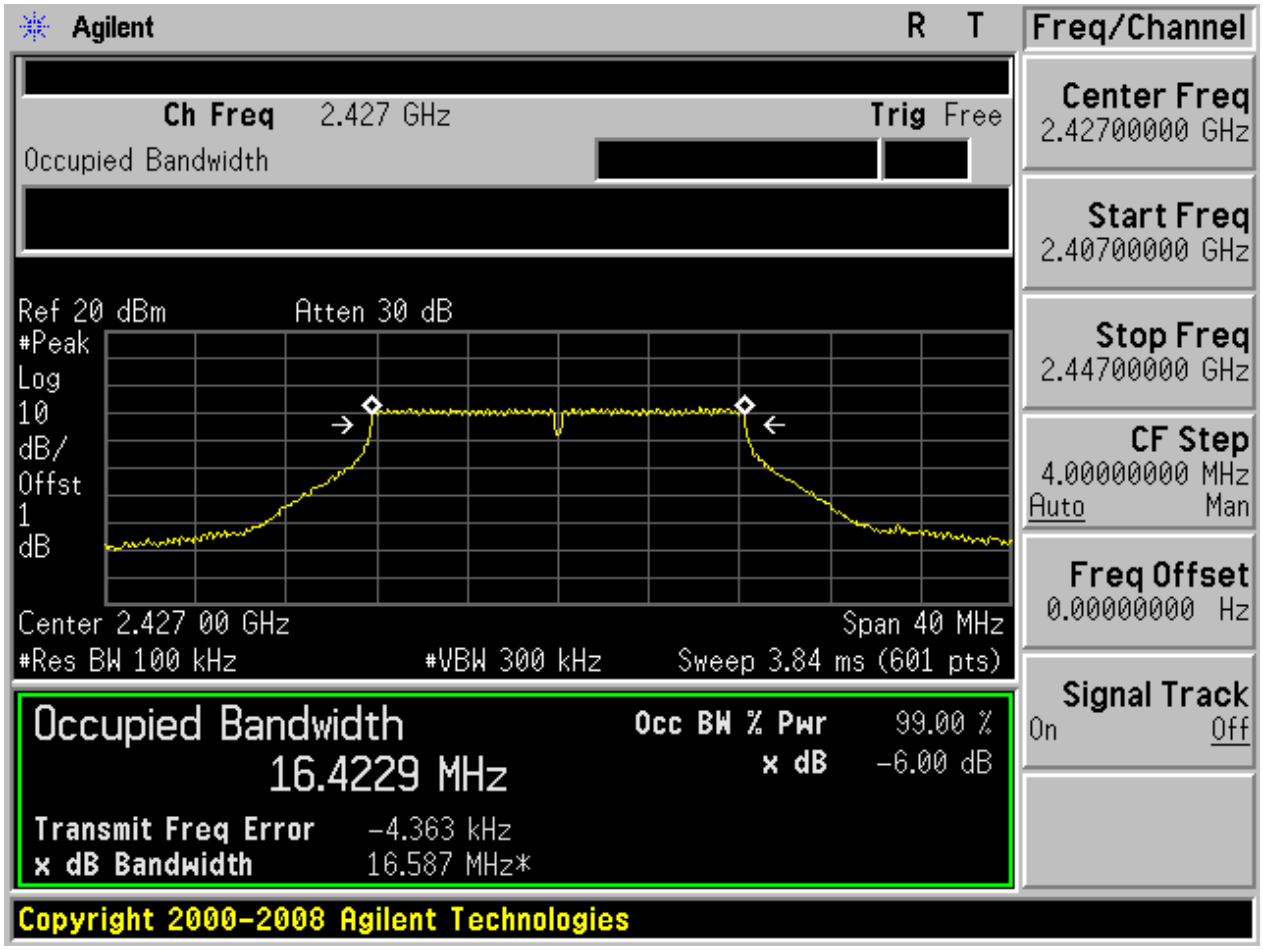

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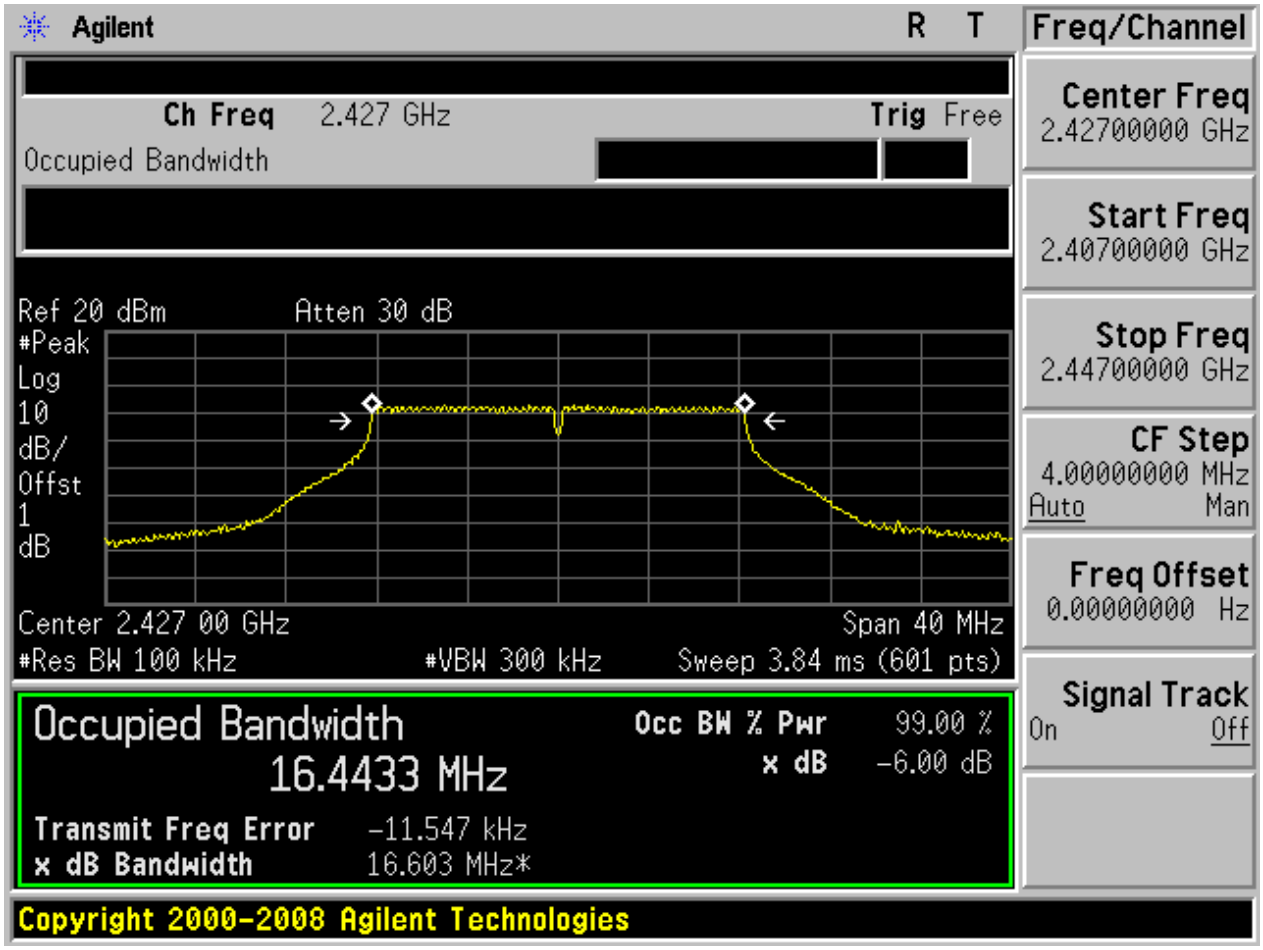

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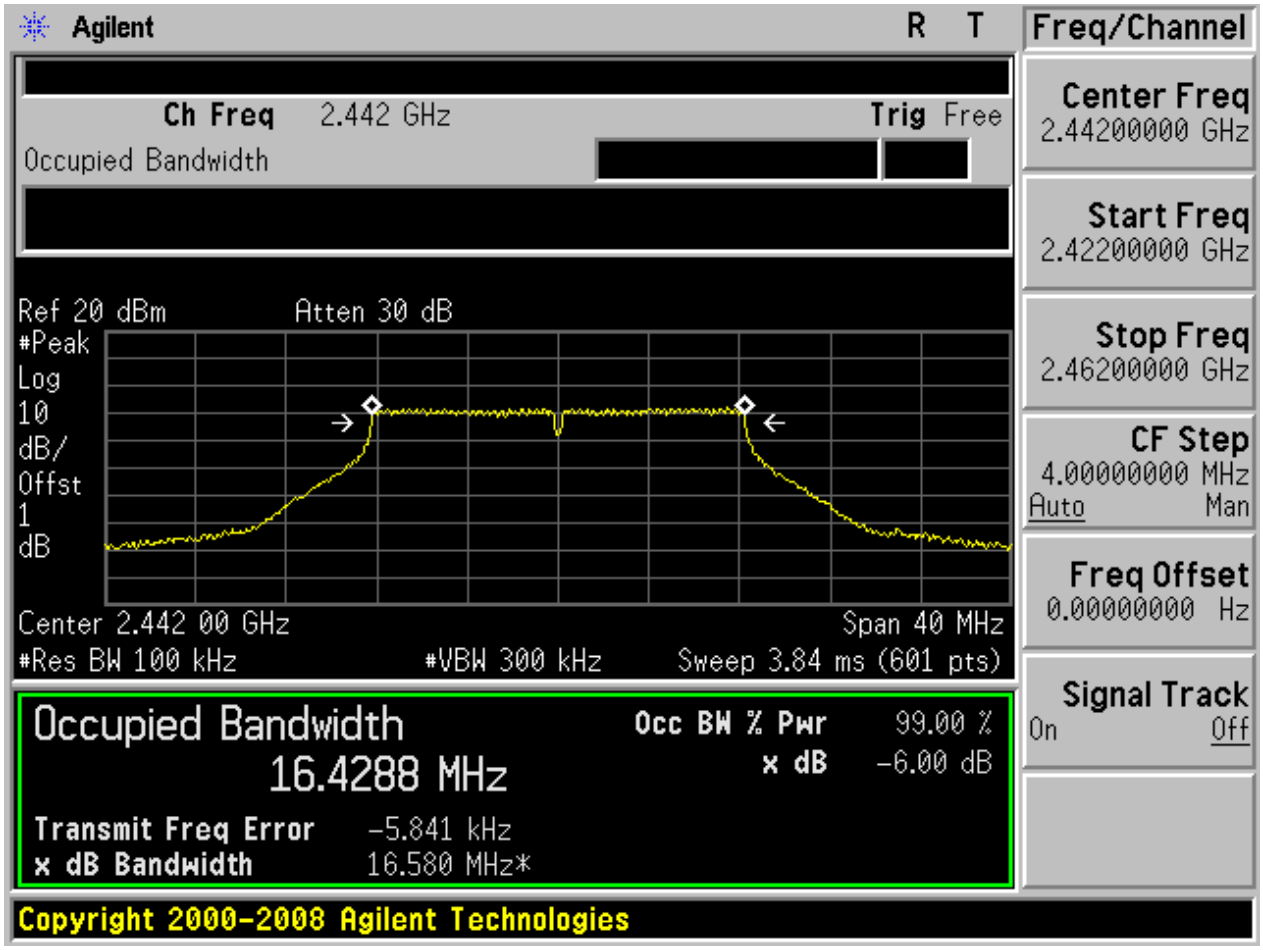

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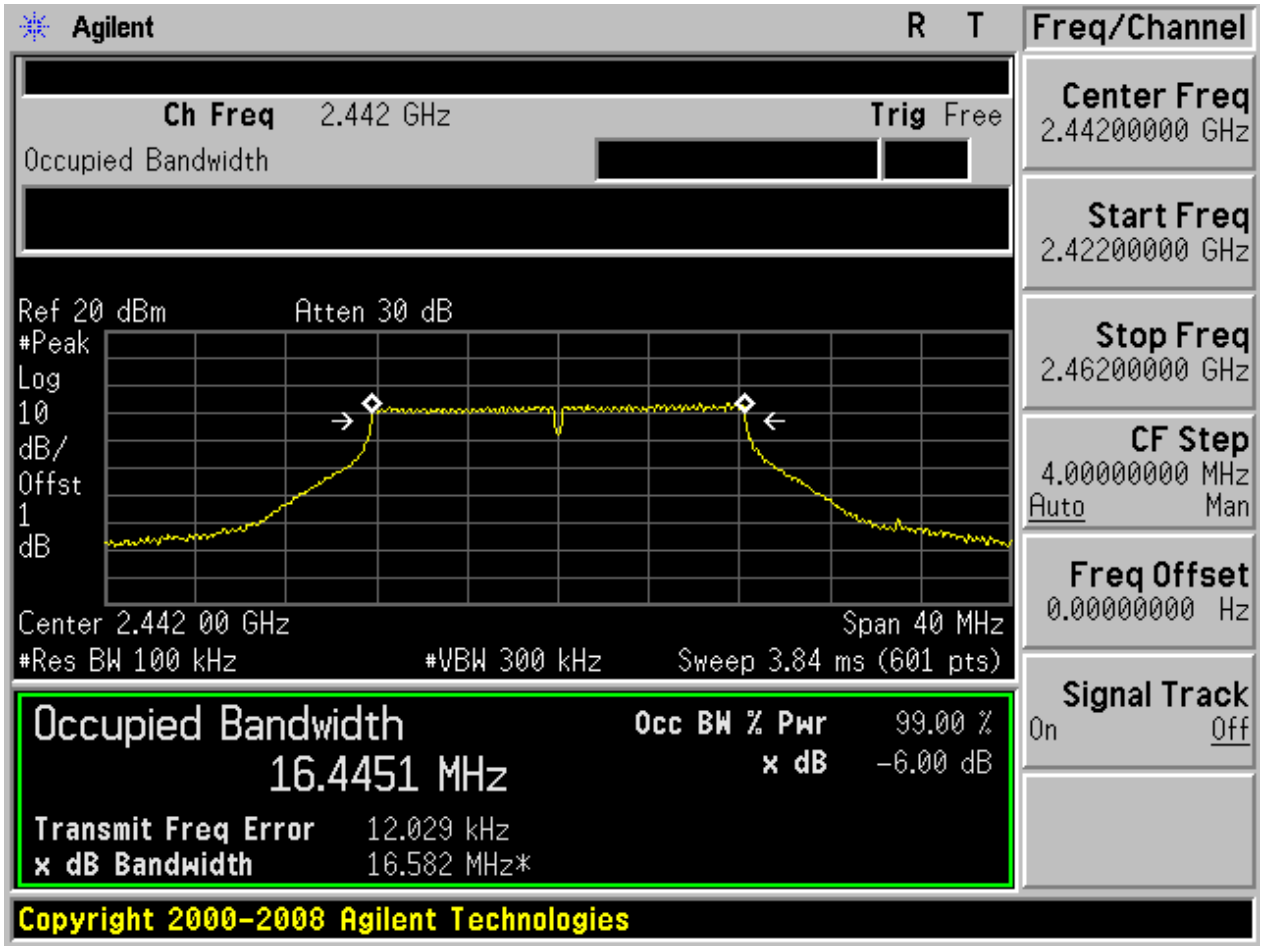

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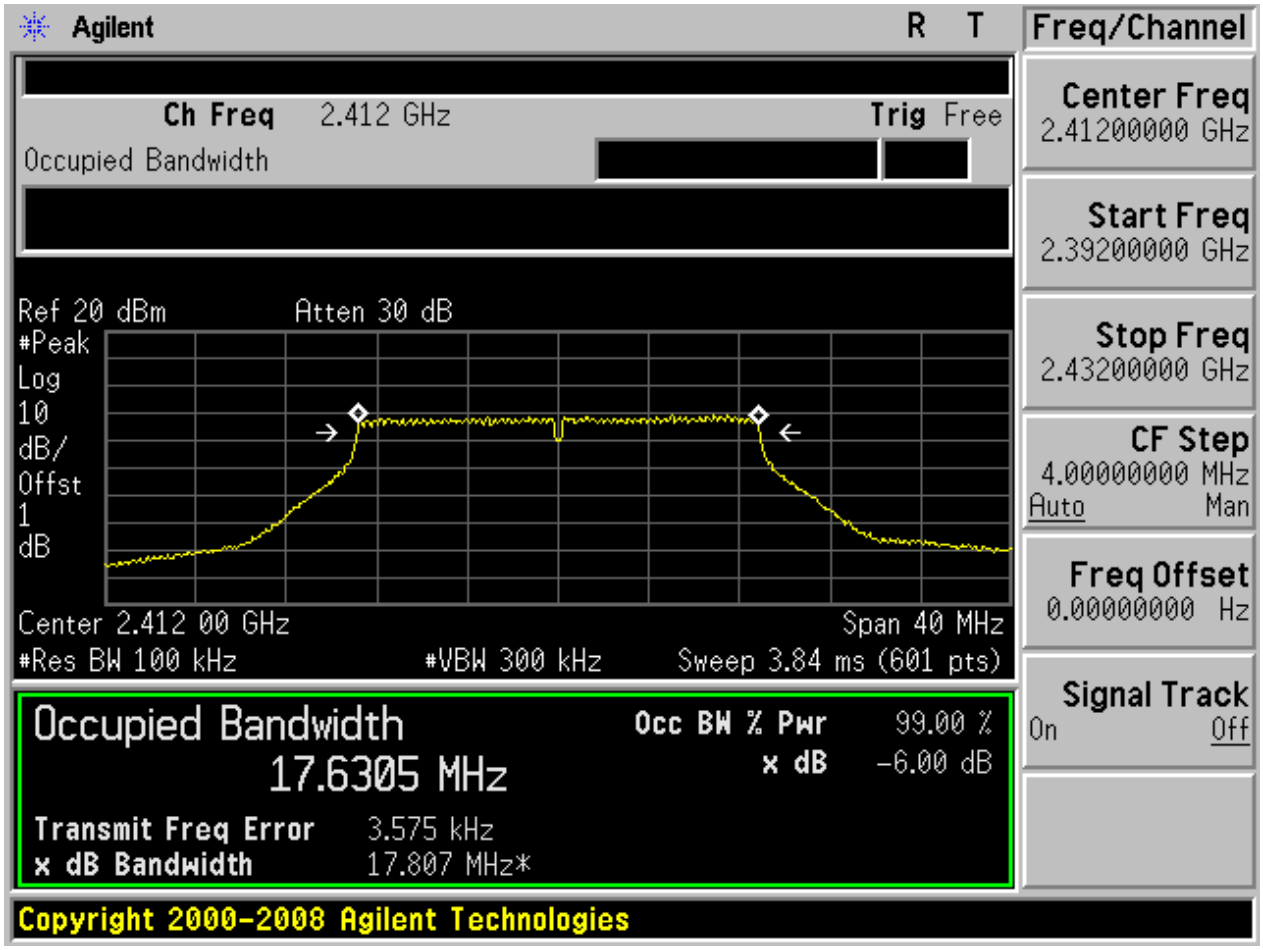

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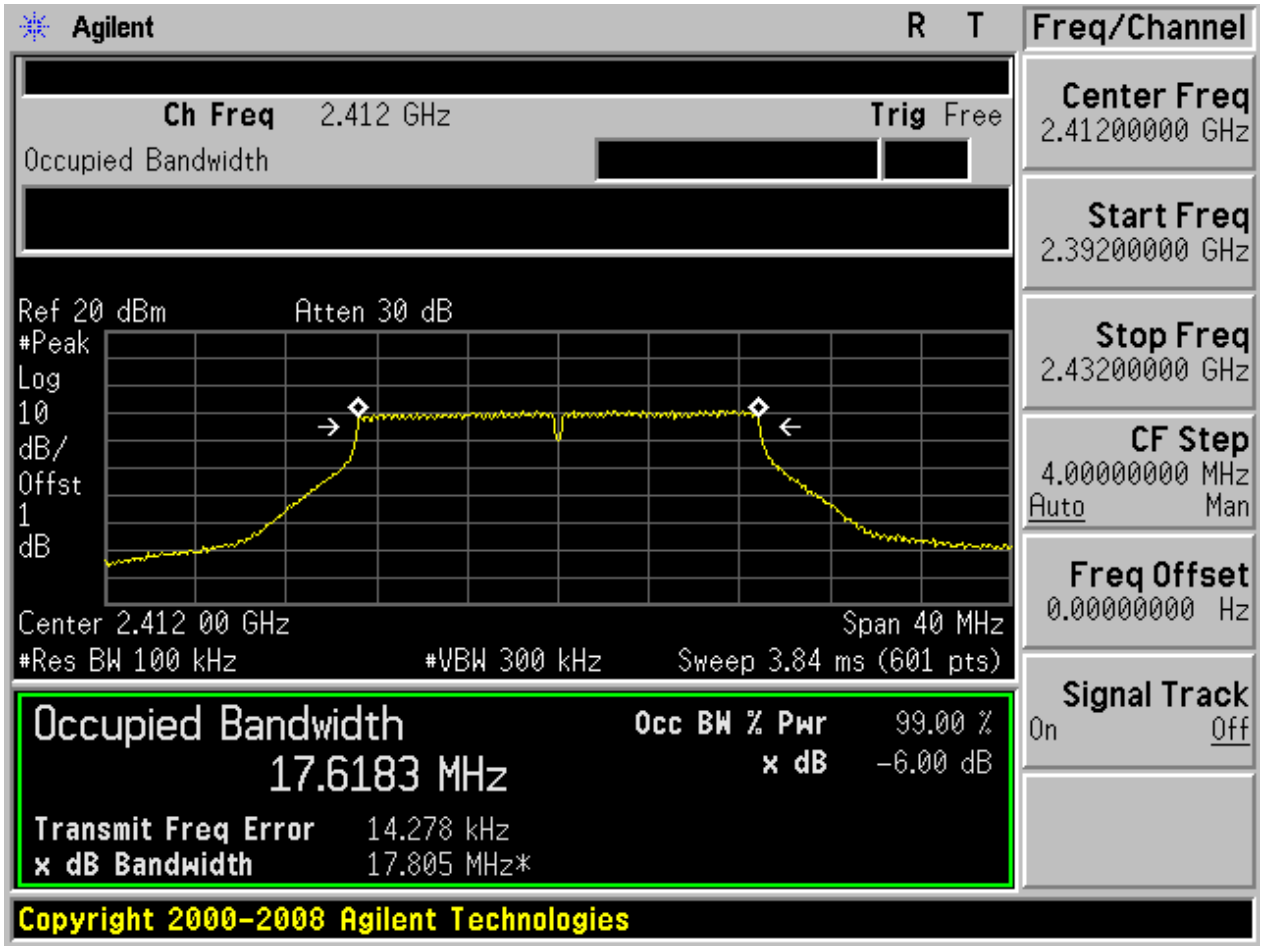

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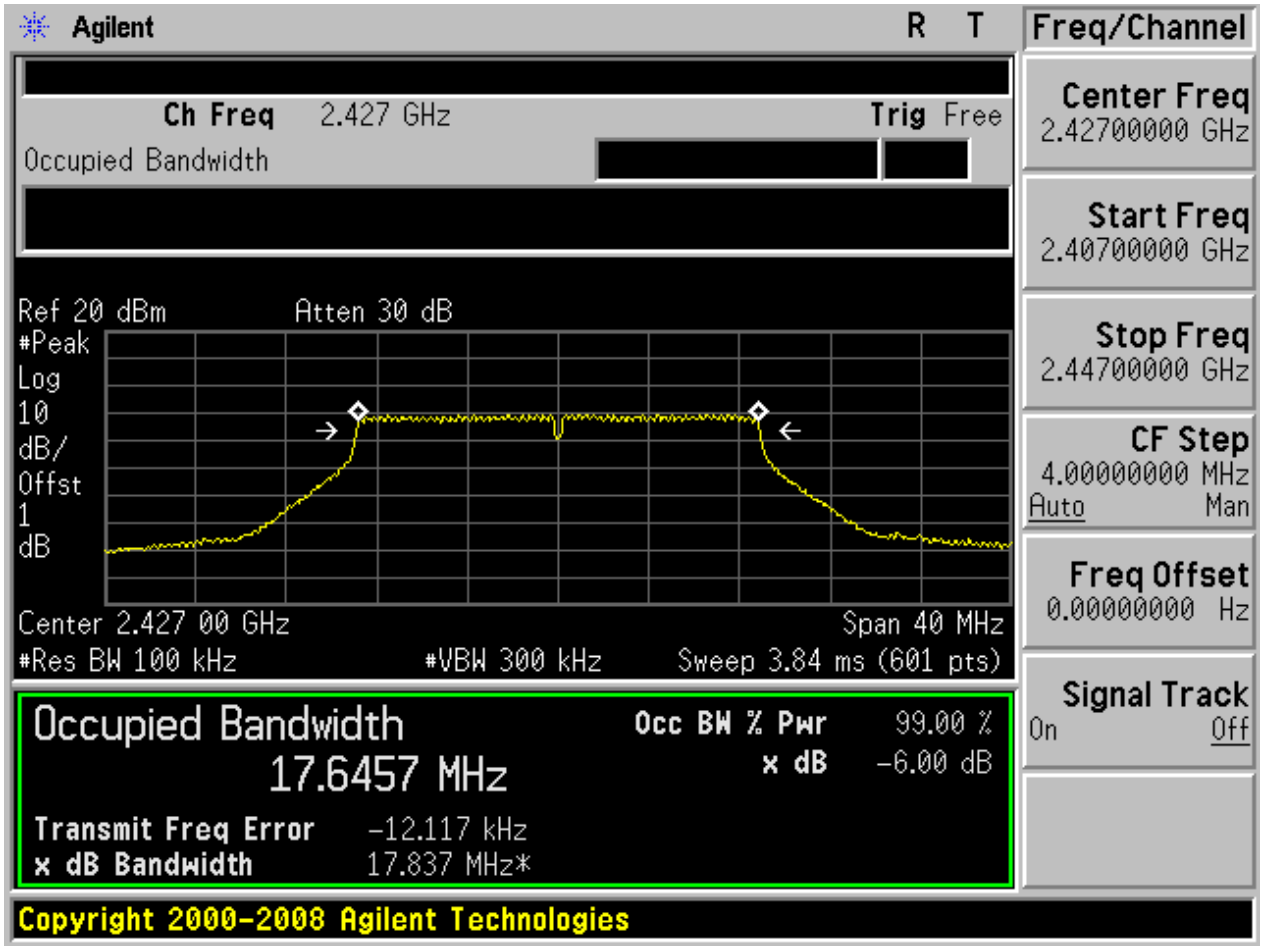

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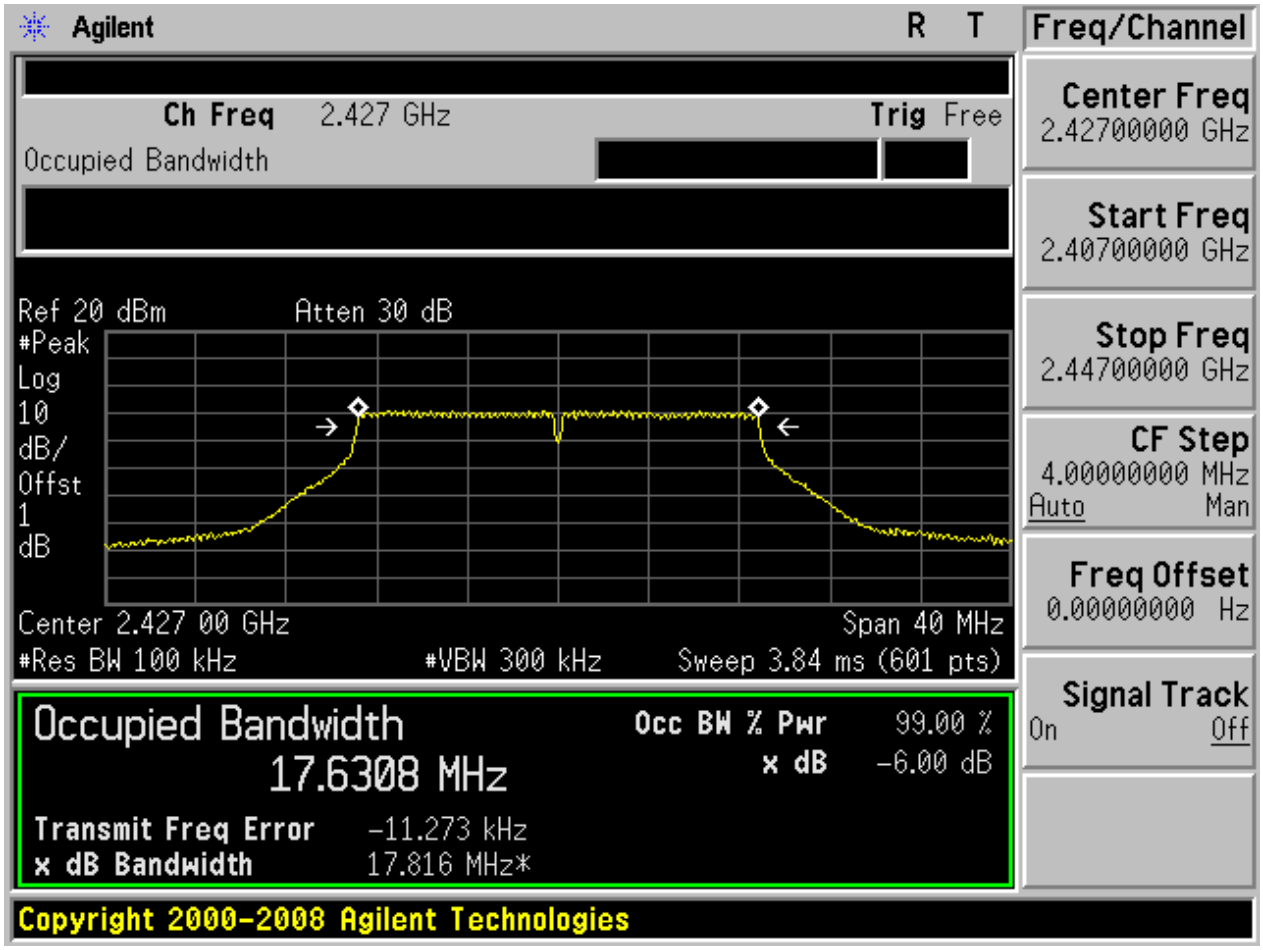

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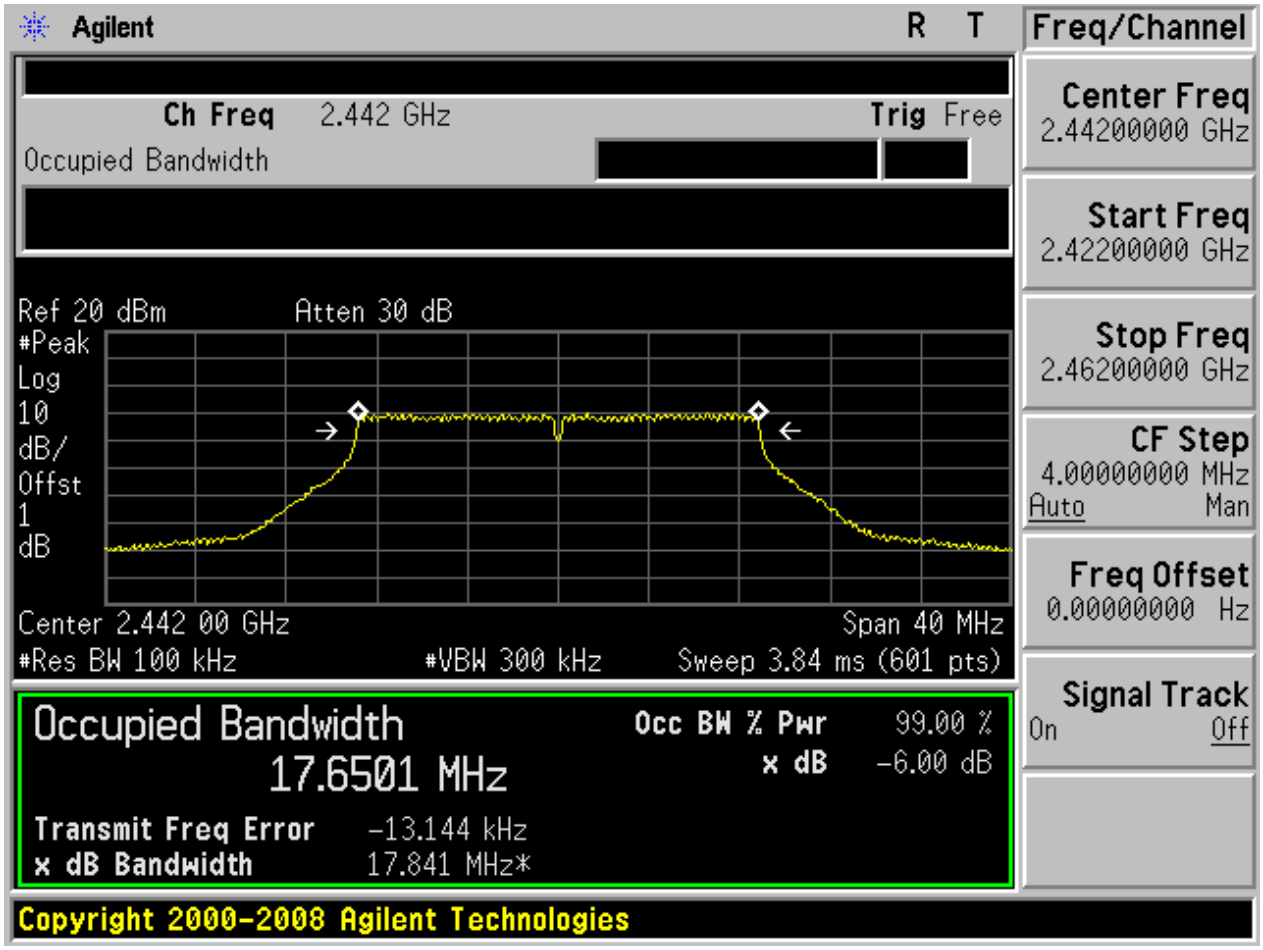

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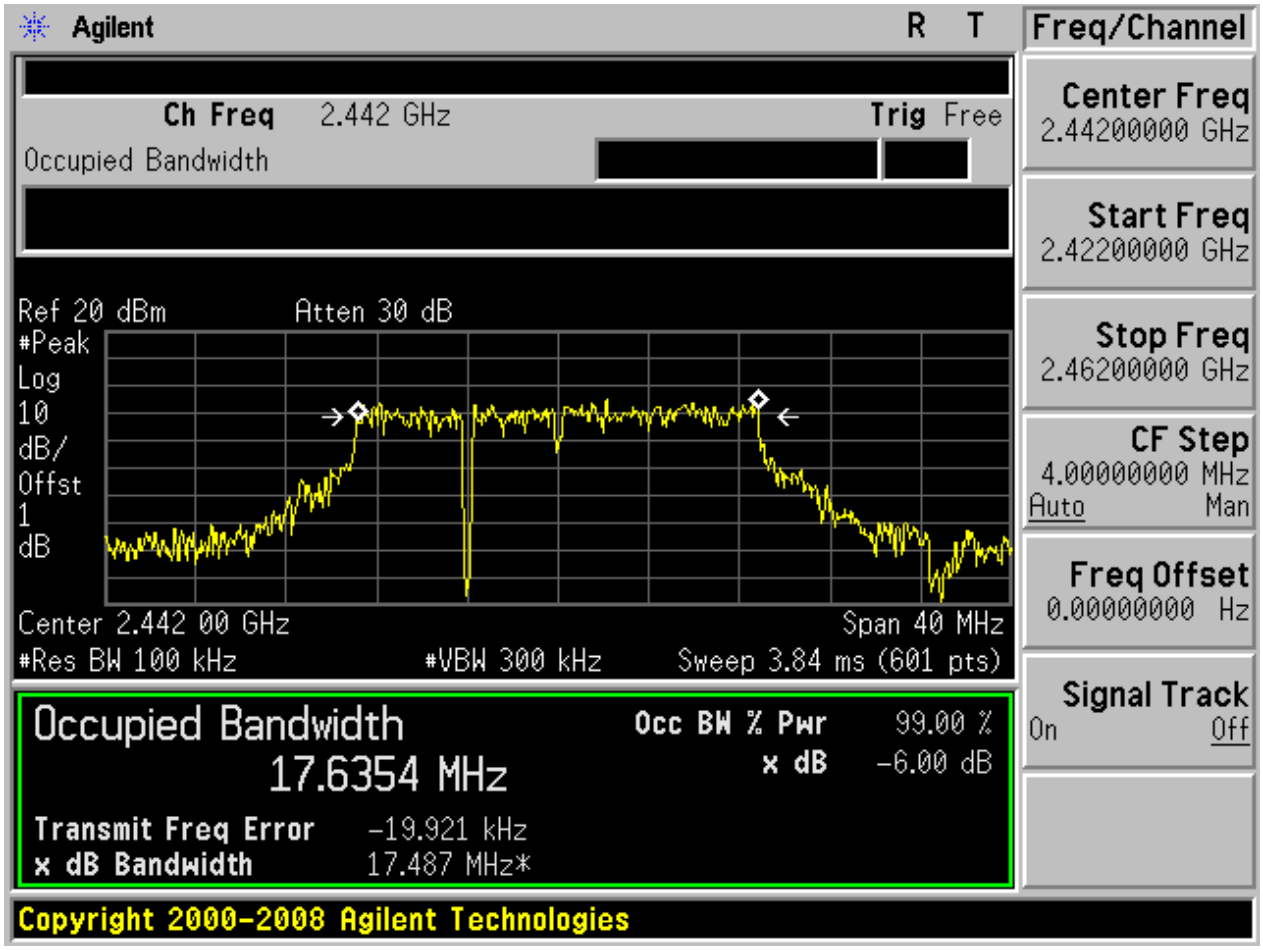

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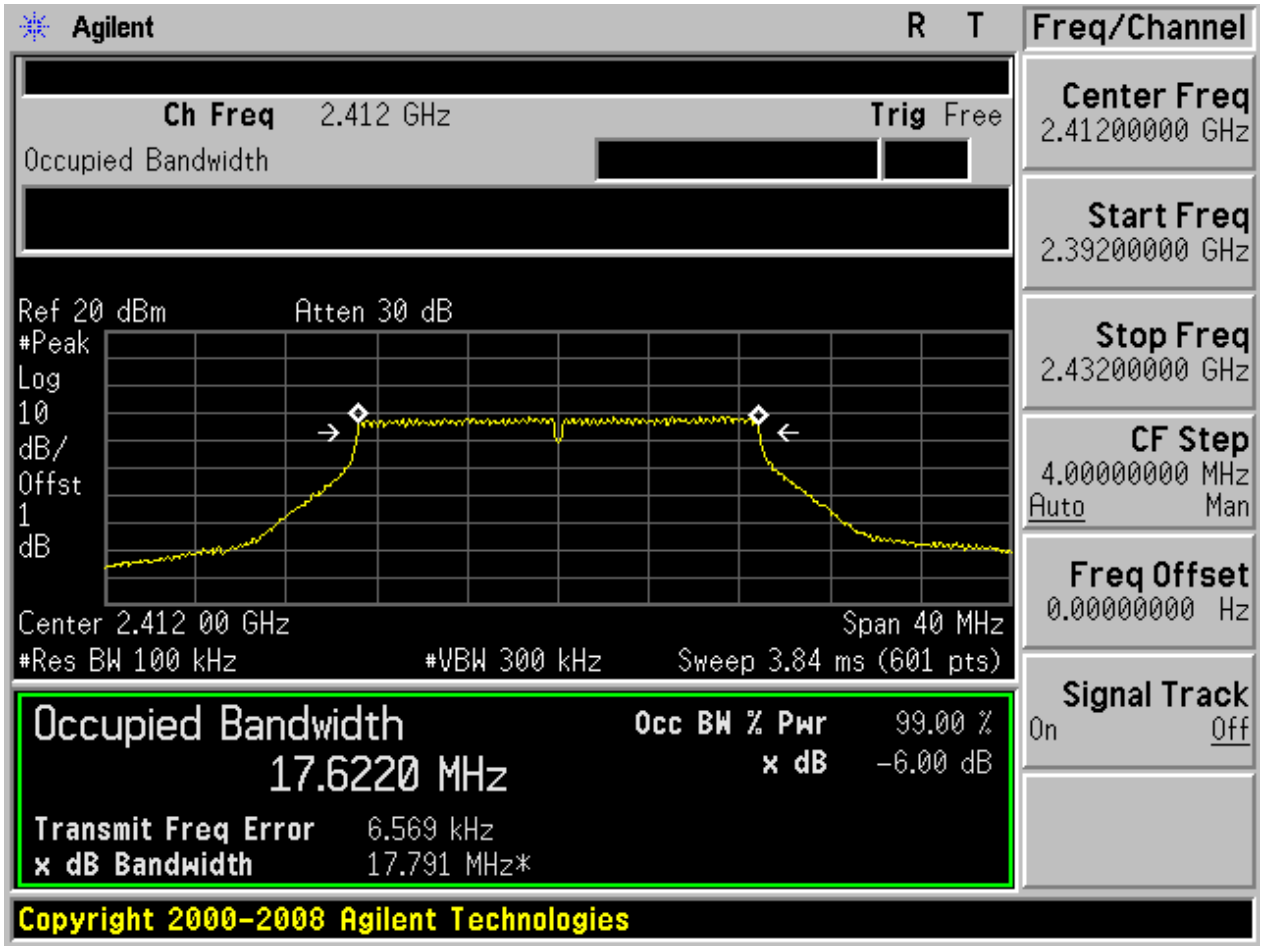

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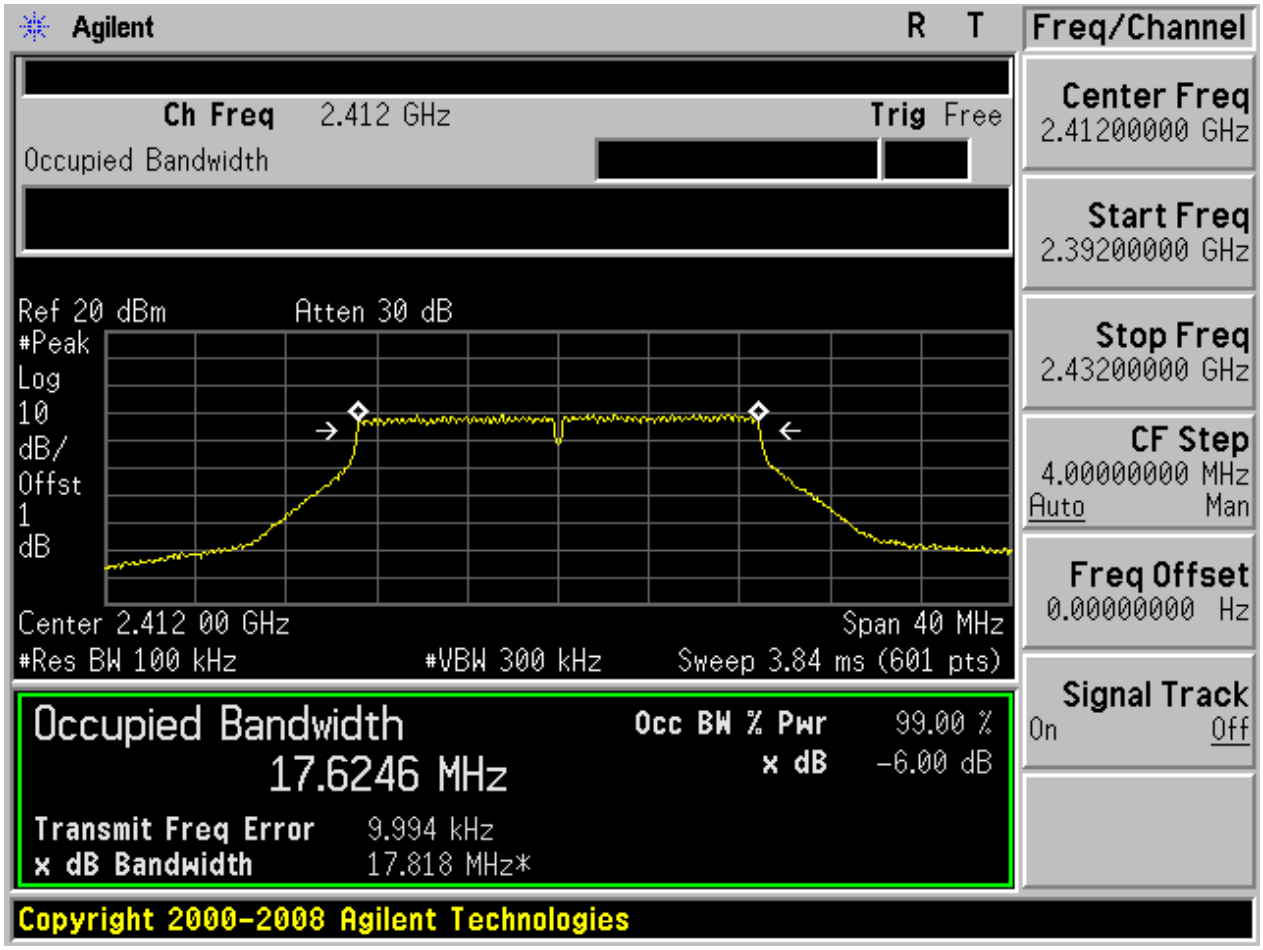

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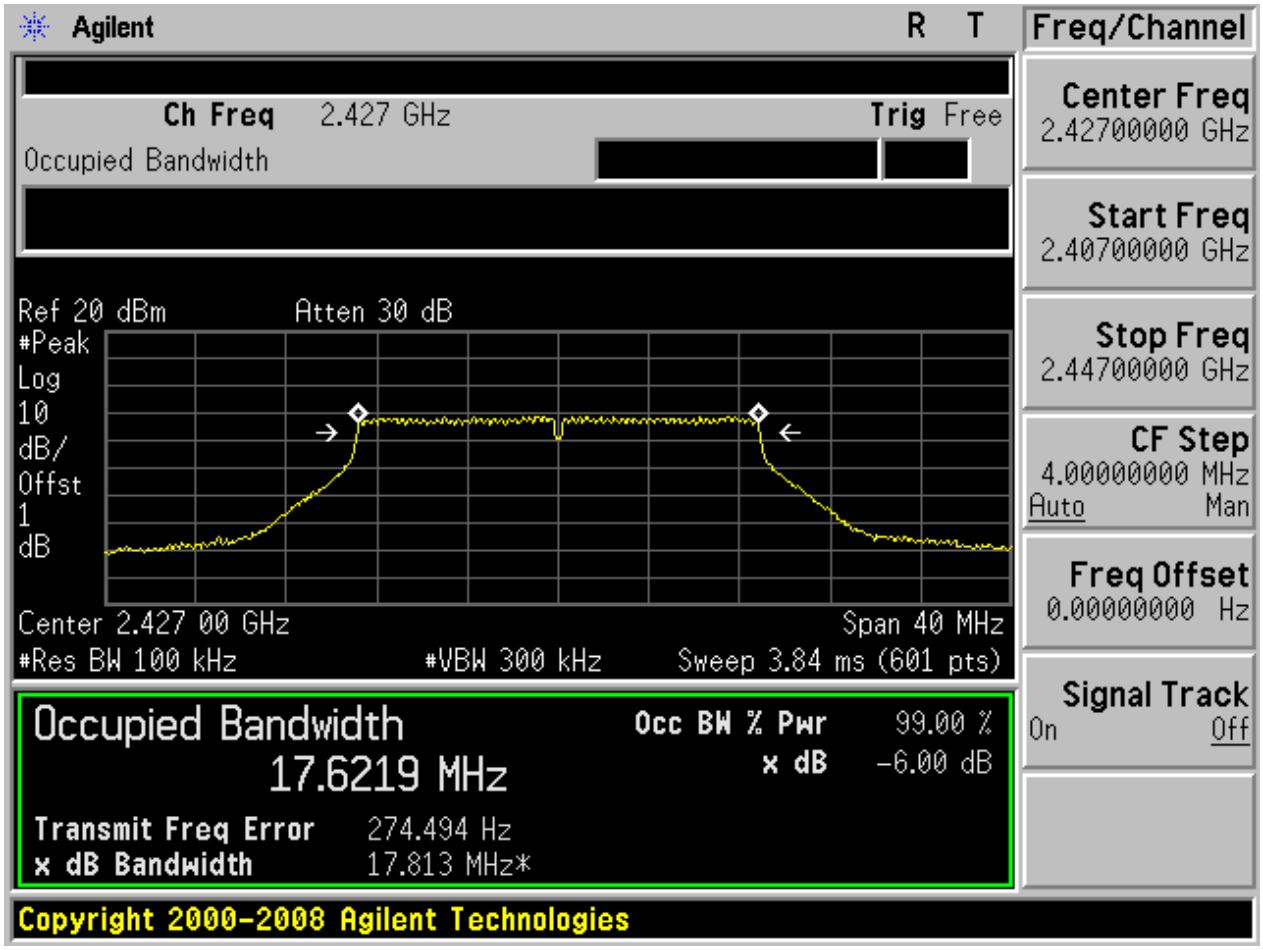

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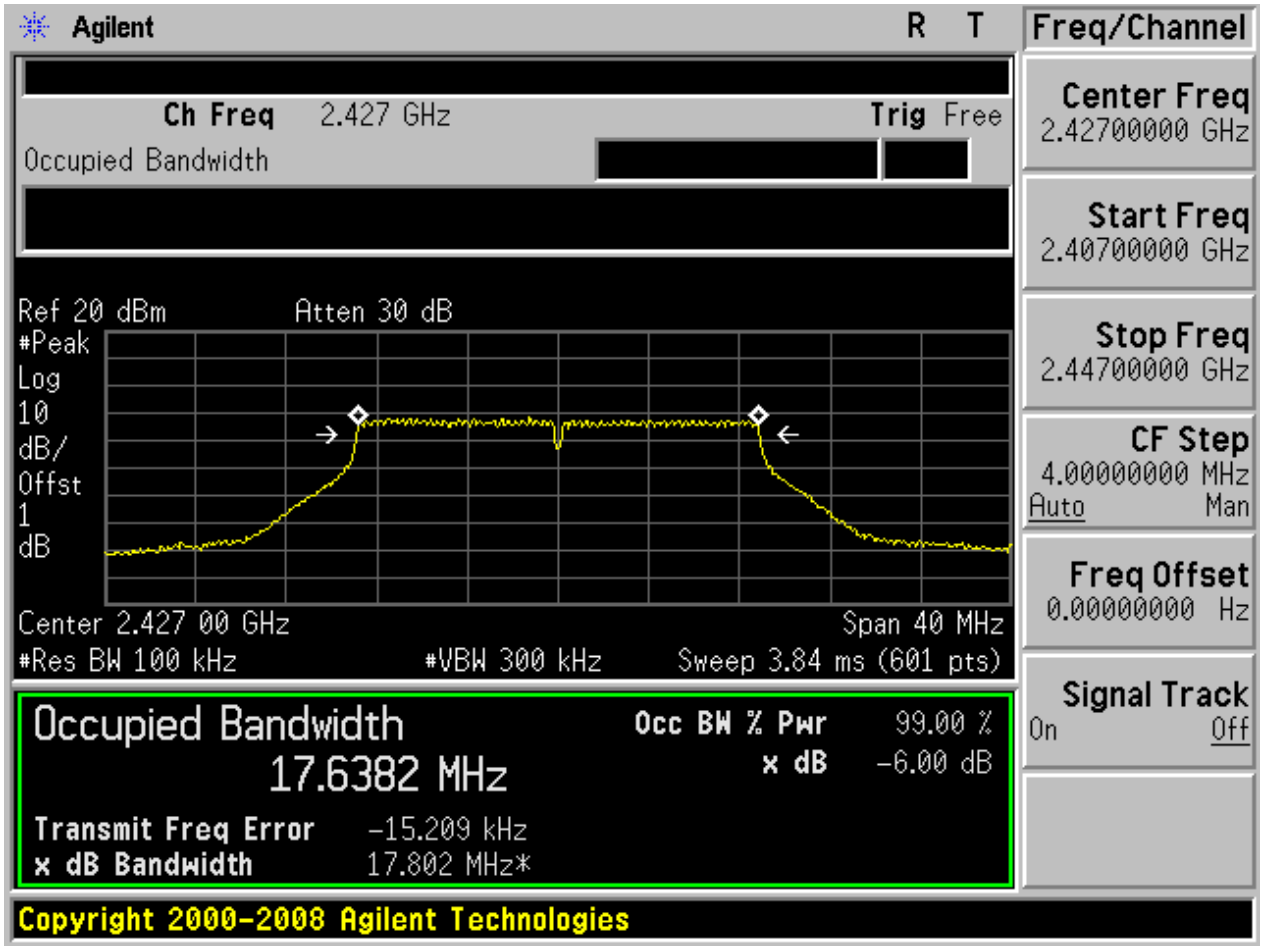

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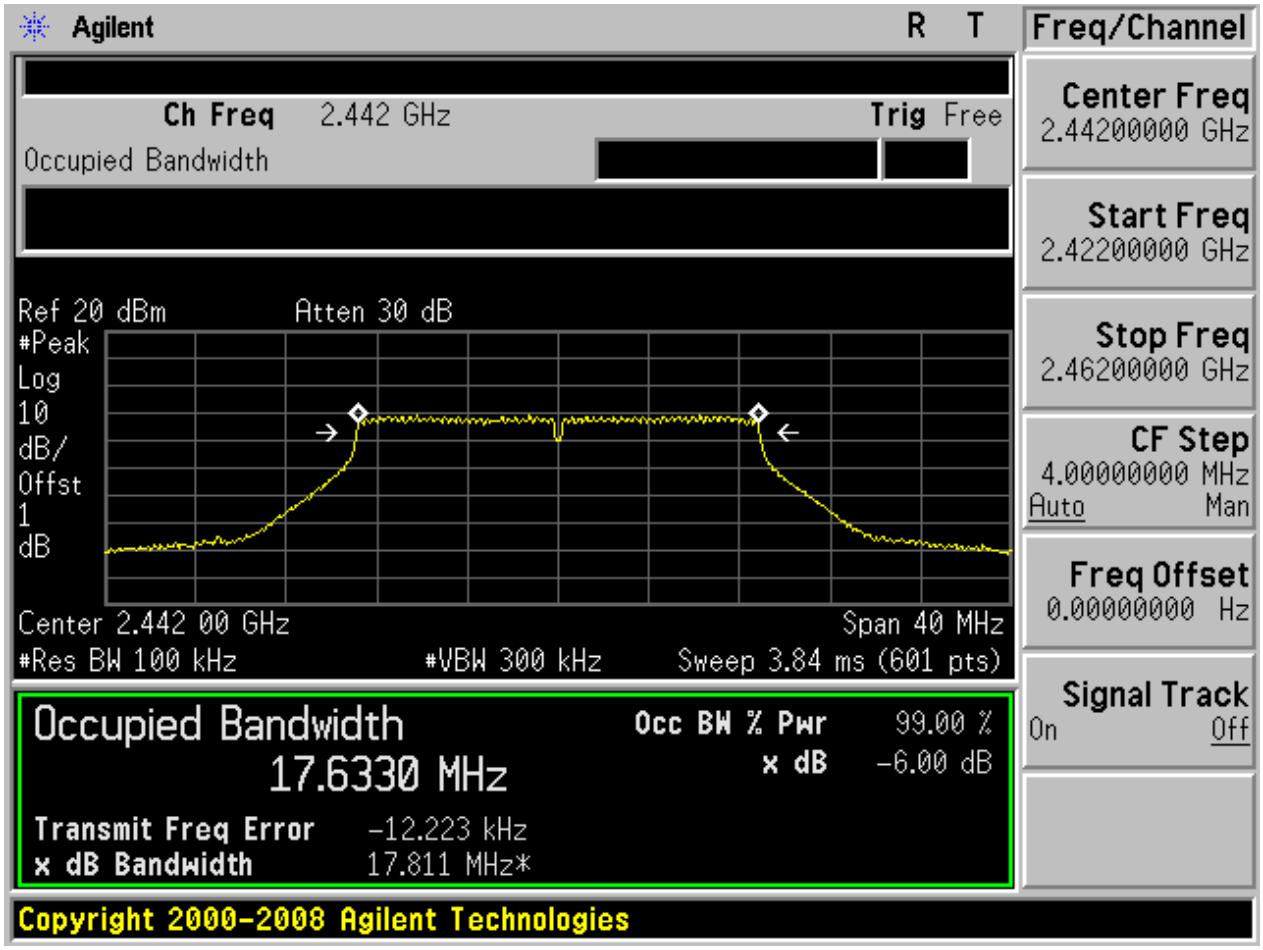

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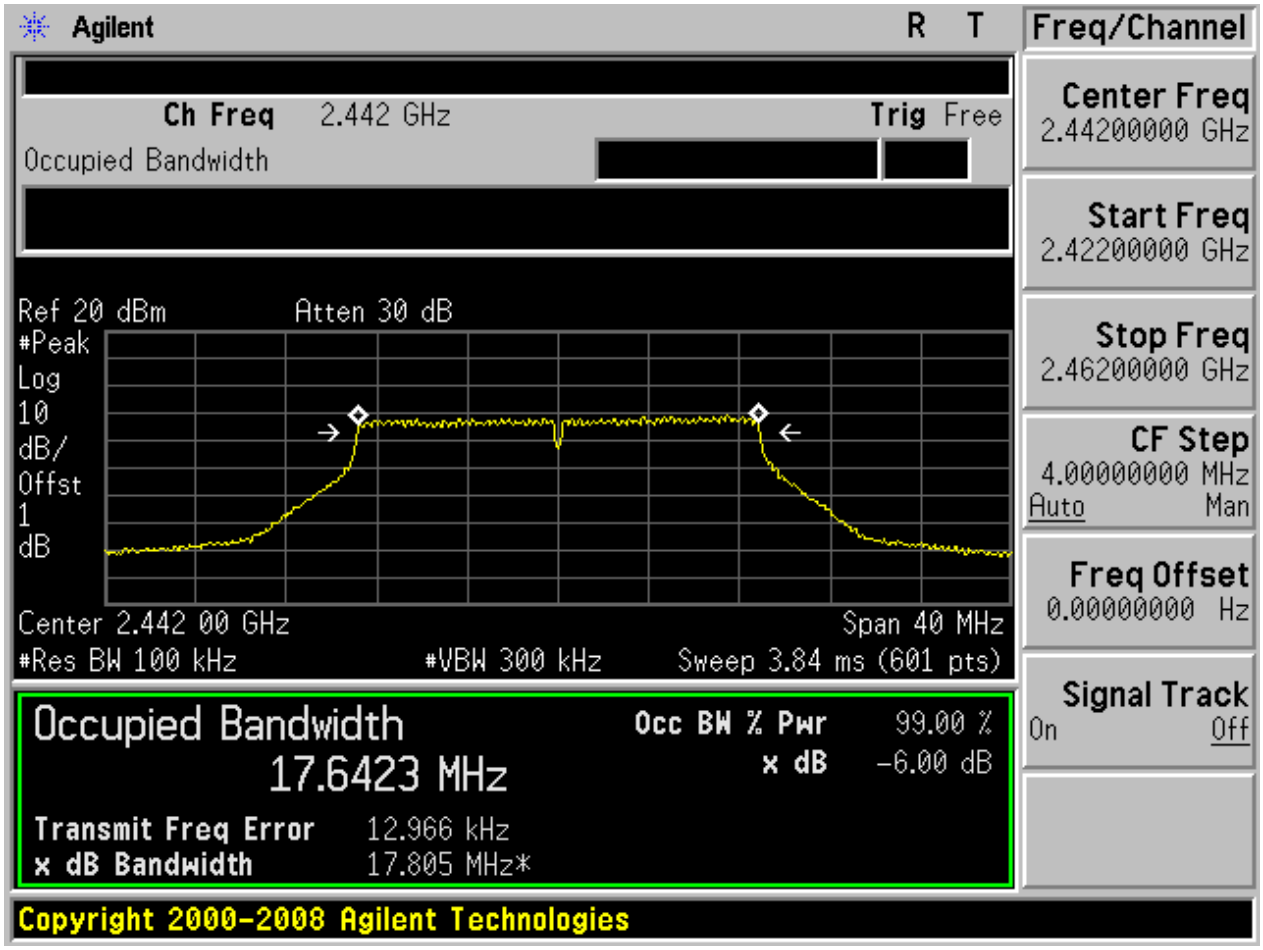

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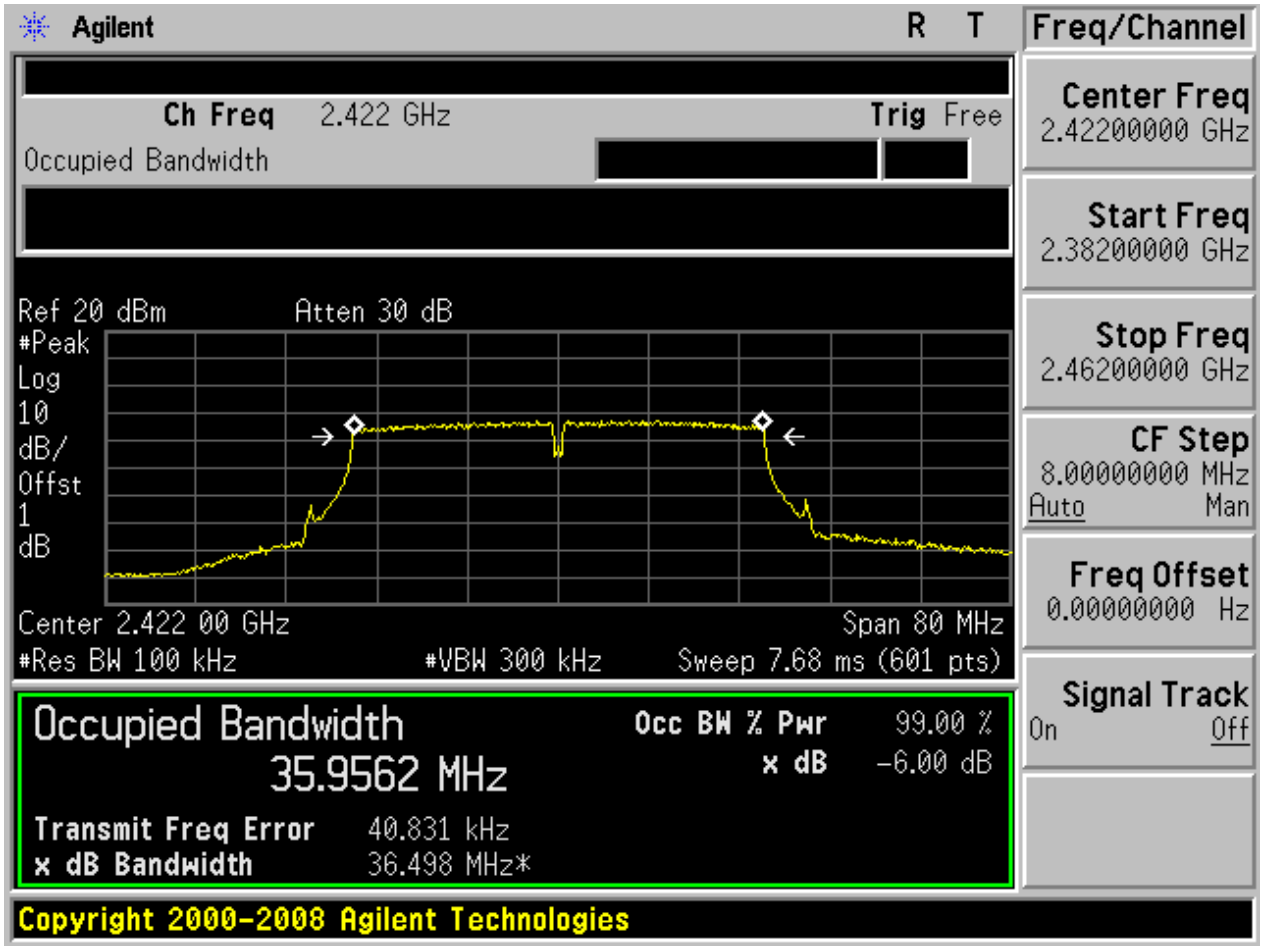

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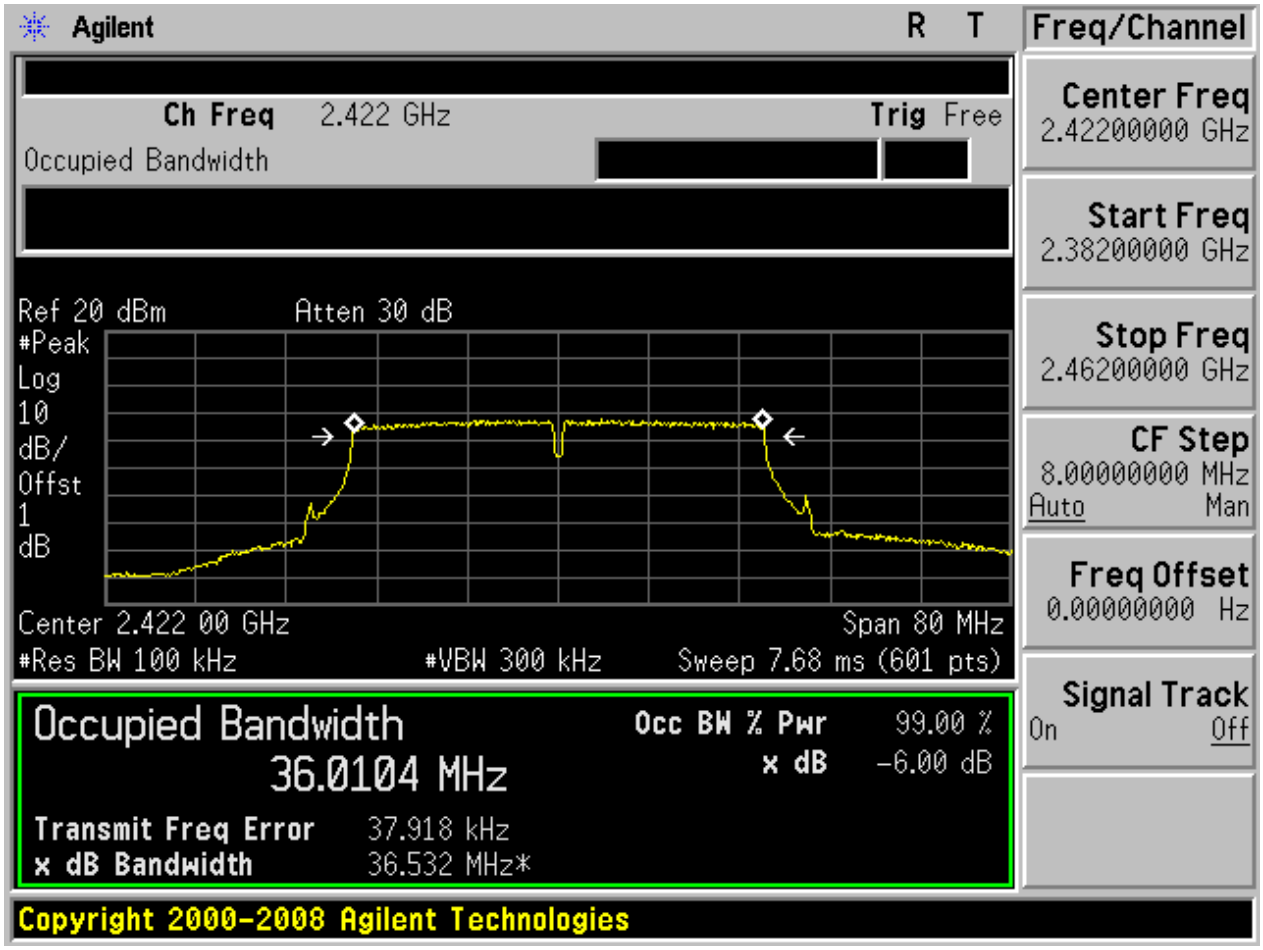

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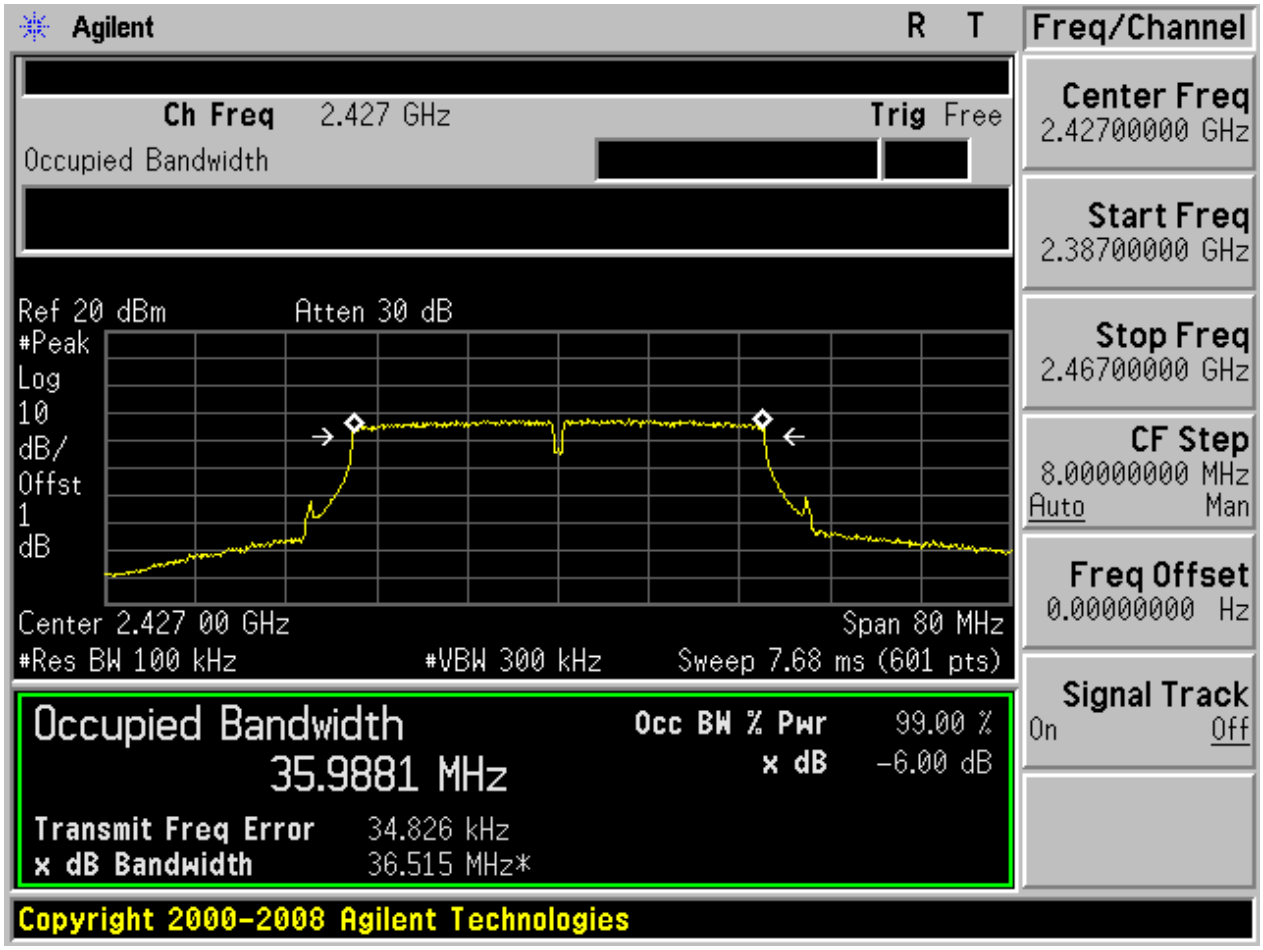

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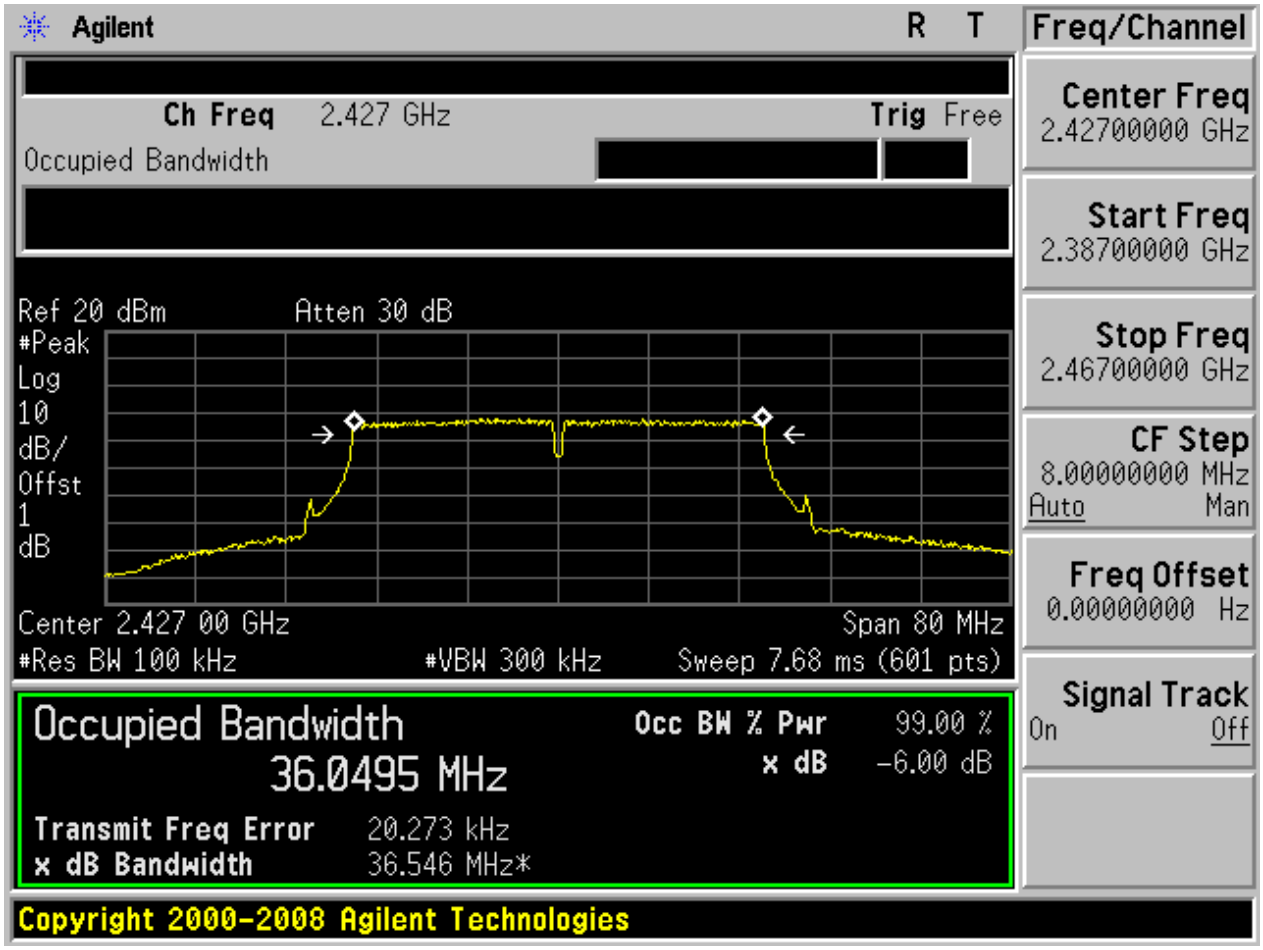

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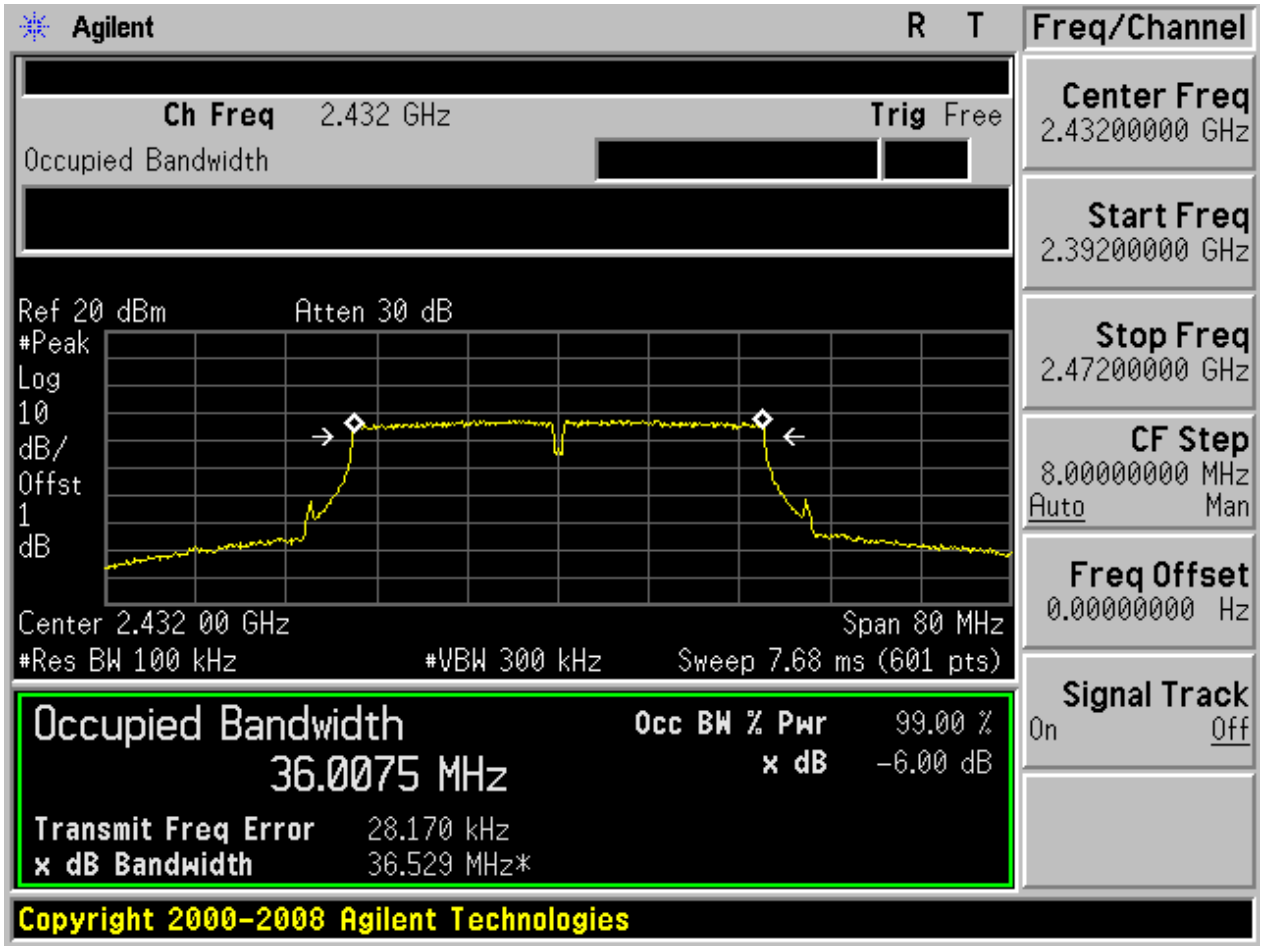

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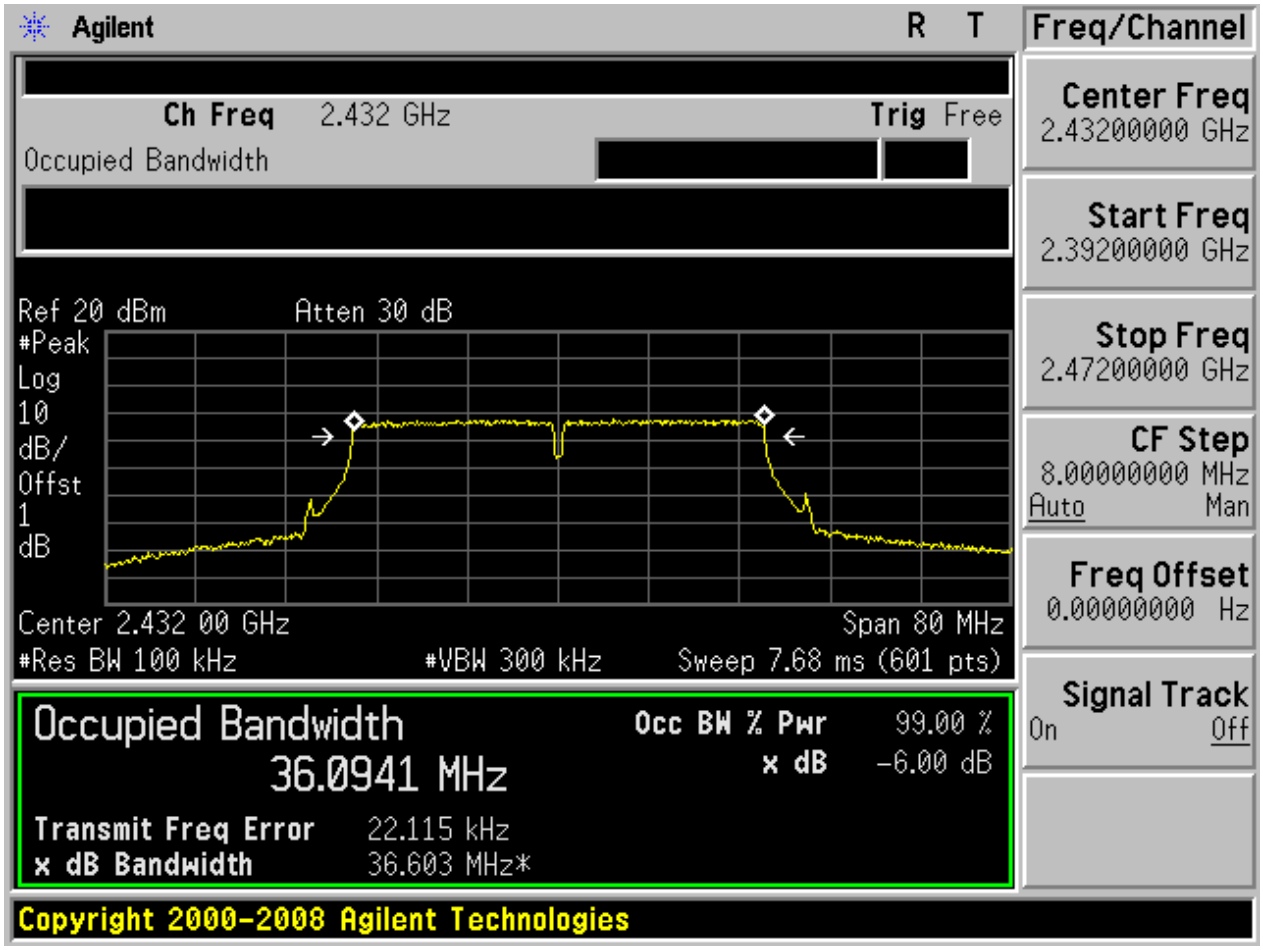

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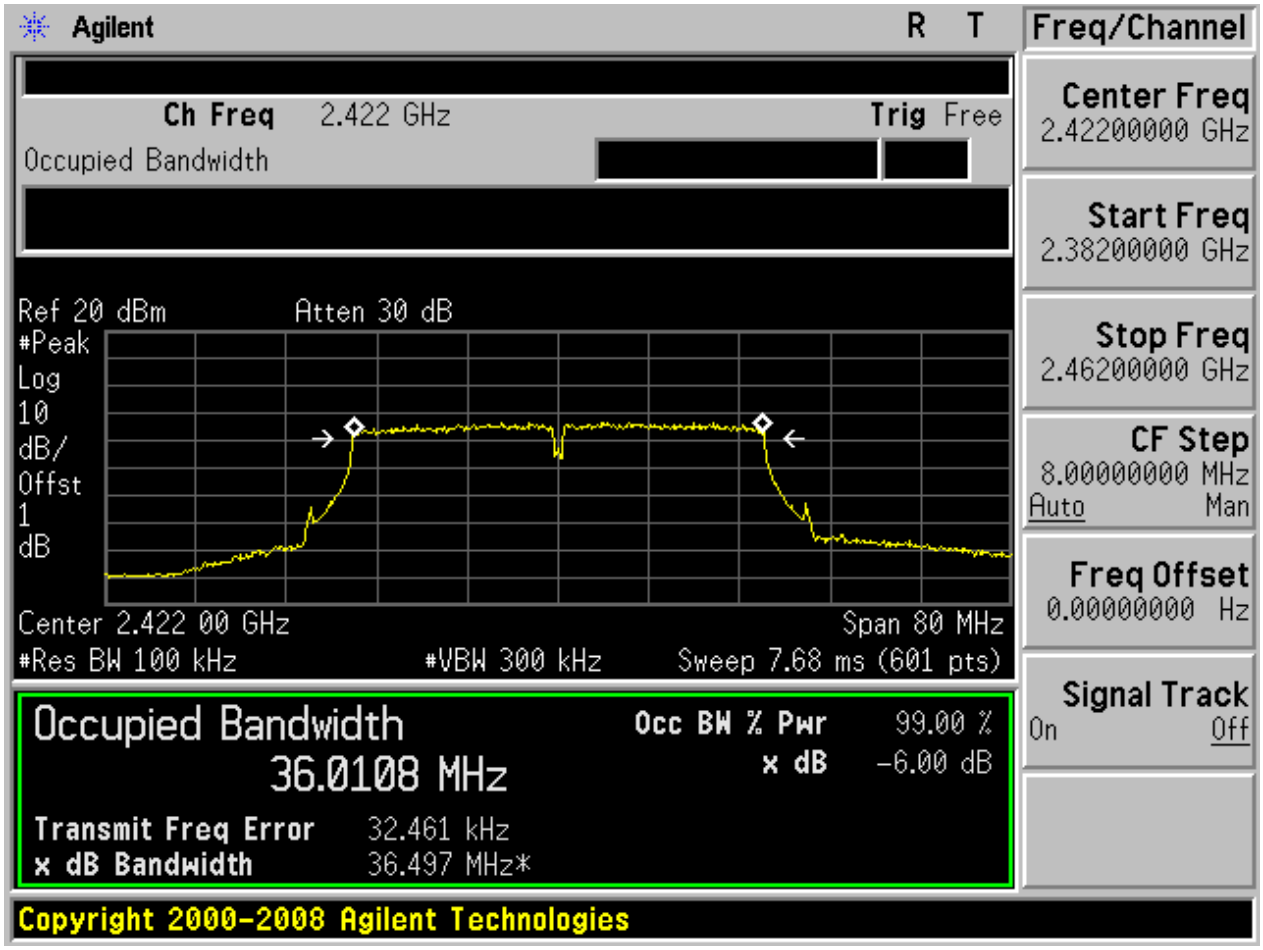

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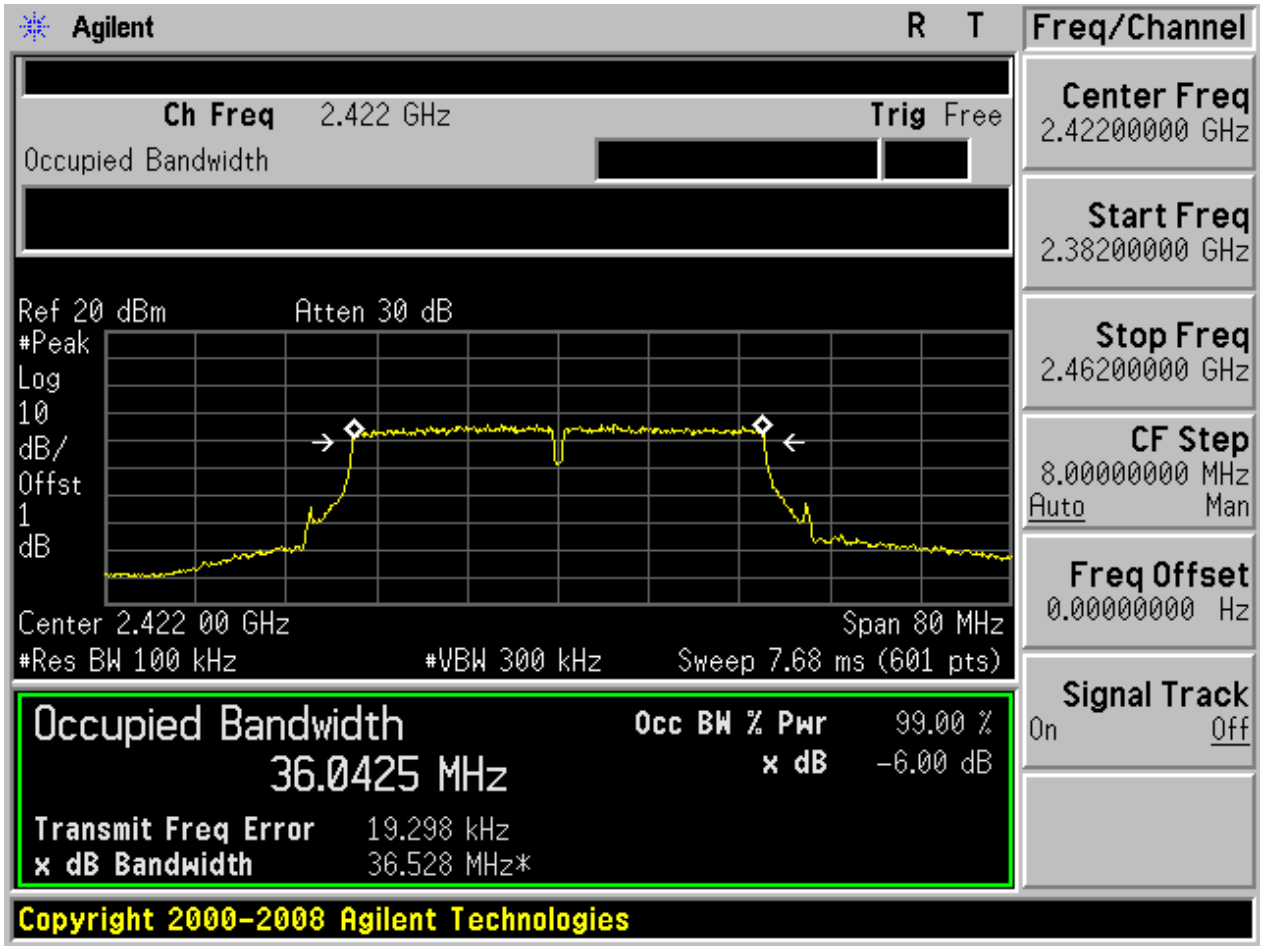

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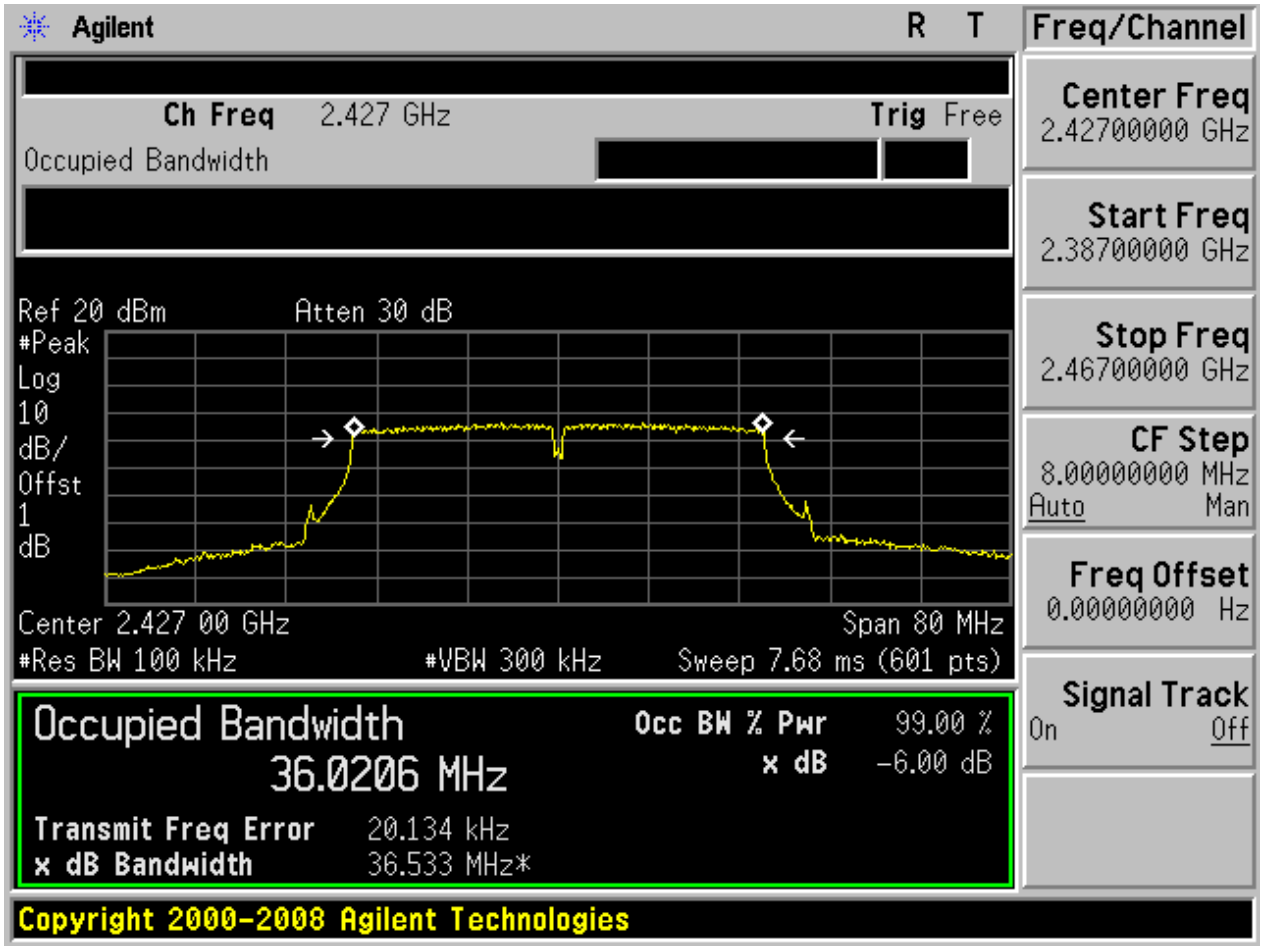

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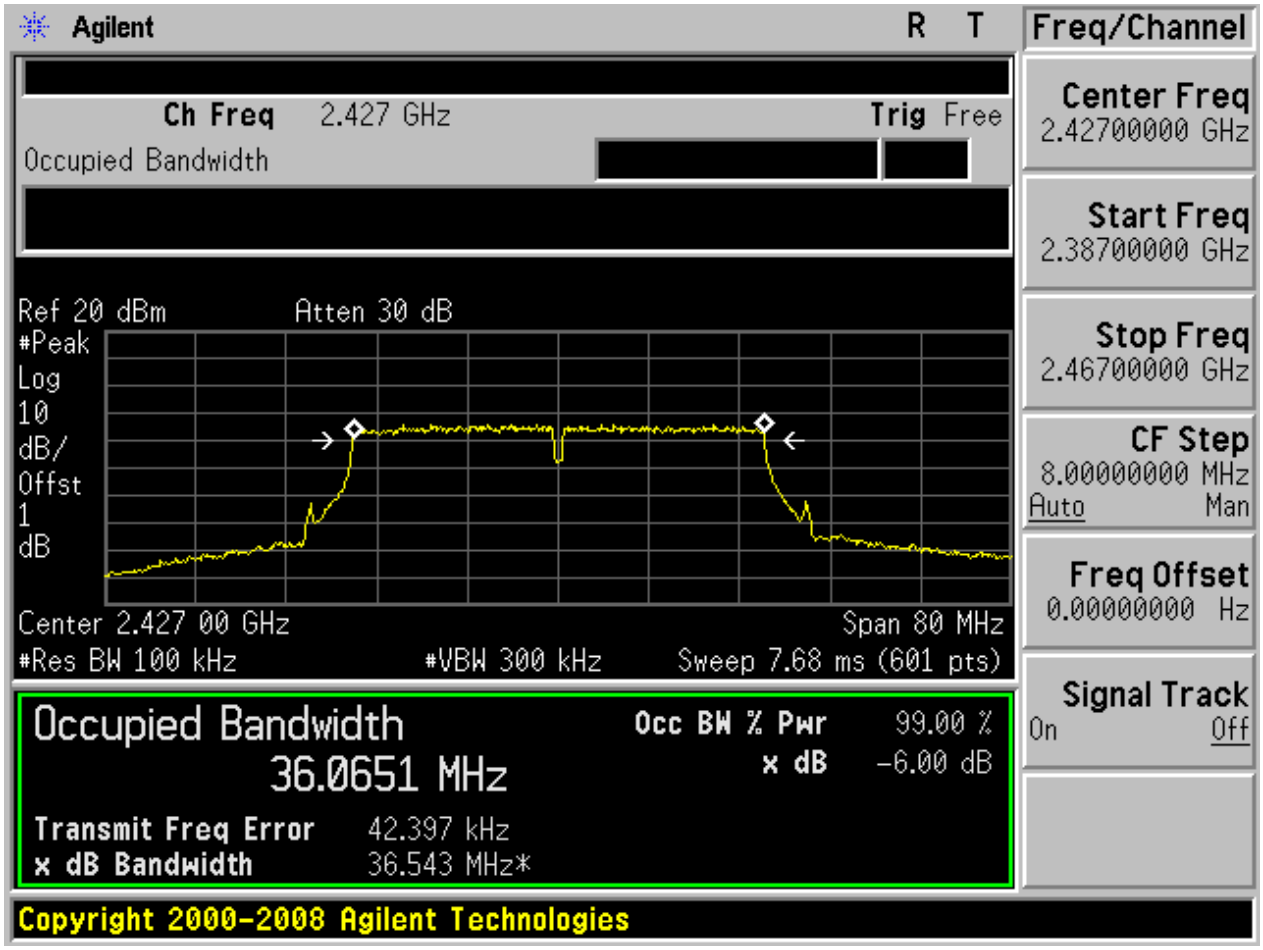

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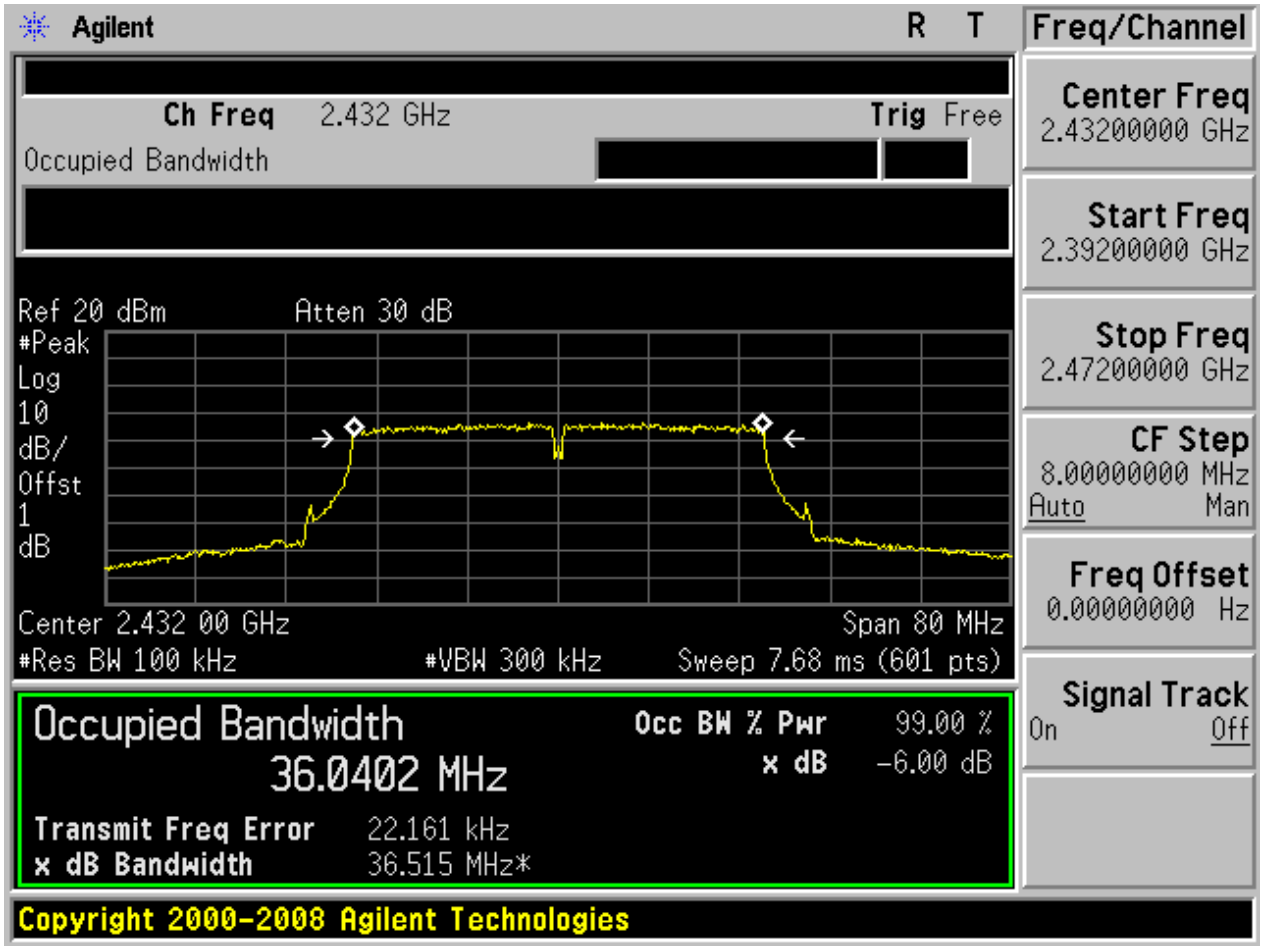

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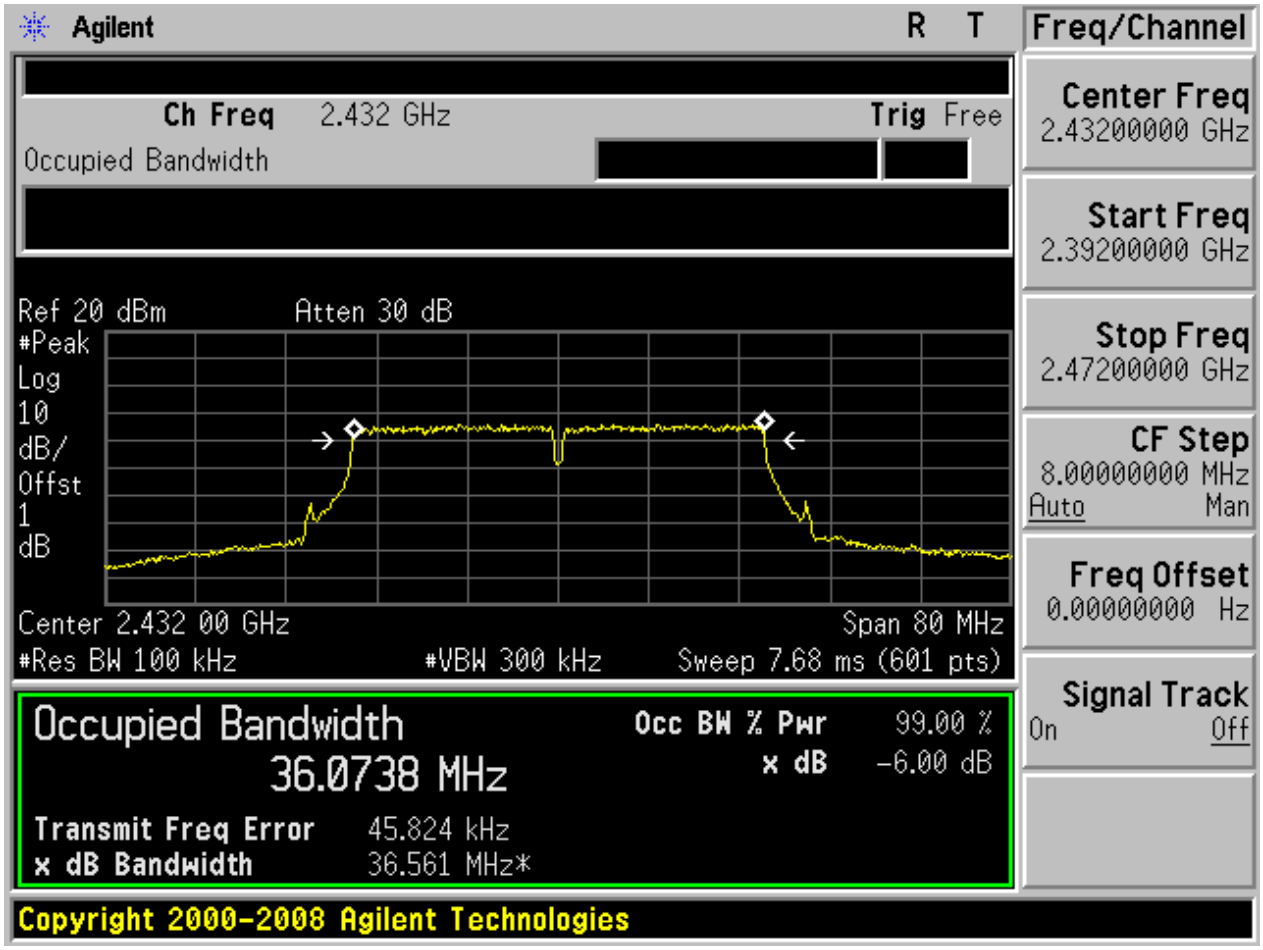

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Appendix B: Occupied Bandwidth

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	15.02	pass
11B	L	2412	Ant 2	14.88	pass
11B	M	2427	Ant 1	14.94	pass
11B	M	2427	Ant 2	15.03	pass
11B	H	2442	Ant 1	15.08	pass
11B	H	2442	Ant 2	15.15	pass
11G	L	2412	Ant 1	16.51	pass
11G	L	2412	Ant 2	16.45	pass
11G	M	2427	Ant 1	16.48	pass
11G	M	2427	Ant 2	16.49	pass
11G	H	2442	Ant 1	16.49	pass
11G	H	2442	Ant 2	16.51	pass
11N20	L	2412	Ant 1	17.69	pass
11N20	L	2412	Ant 2	17.64	pass
11N20	M	2427	Ant 1	17.72	pass
11N20	M	2427	Ant 2	17.72	pass
11N20	H	2442	Ant 1	17.69	pass
11N20	H	2442	Ant 2	17.69	pass
11N20m	L	2412	Ant 1	17.67	pass
11N20m	L	2412	Ant 2	17.68	pass
11N20m	M	2427	Ant 1	17.70	pass
11N20m	M	2427	Ant 2	17.71	pass
11N20m	H	2442	Ant 1	17.70	pass
11N20m	H	2442	Ant 2	17.74	pass
11N40	L	2422	Ant 1	36.01	pass
11N40	L	2422	Ant 2	36.02	pass
11N40	M	2427	Ant 1	35.99	pass
11N40	M	2427	Ant 2	35.93	pass
11N40	H	2432	Ant 1	35.89	pass
11N40	H	2432	Ant 2	36.15	pass
11N40m	L	2422	Ant 1	35.93	pass
11N40m	L	2422	Ant 2	35.99	pass
11N40m	M	2427	Ant 1	35.94	pass
11N40m	M	2427	Ant 2	35.96	pass

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Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11N40m	H	2432	Ant 1	36.07	pass
11N40m	H	2432	Ant 2	35.80	pass

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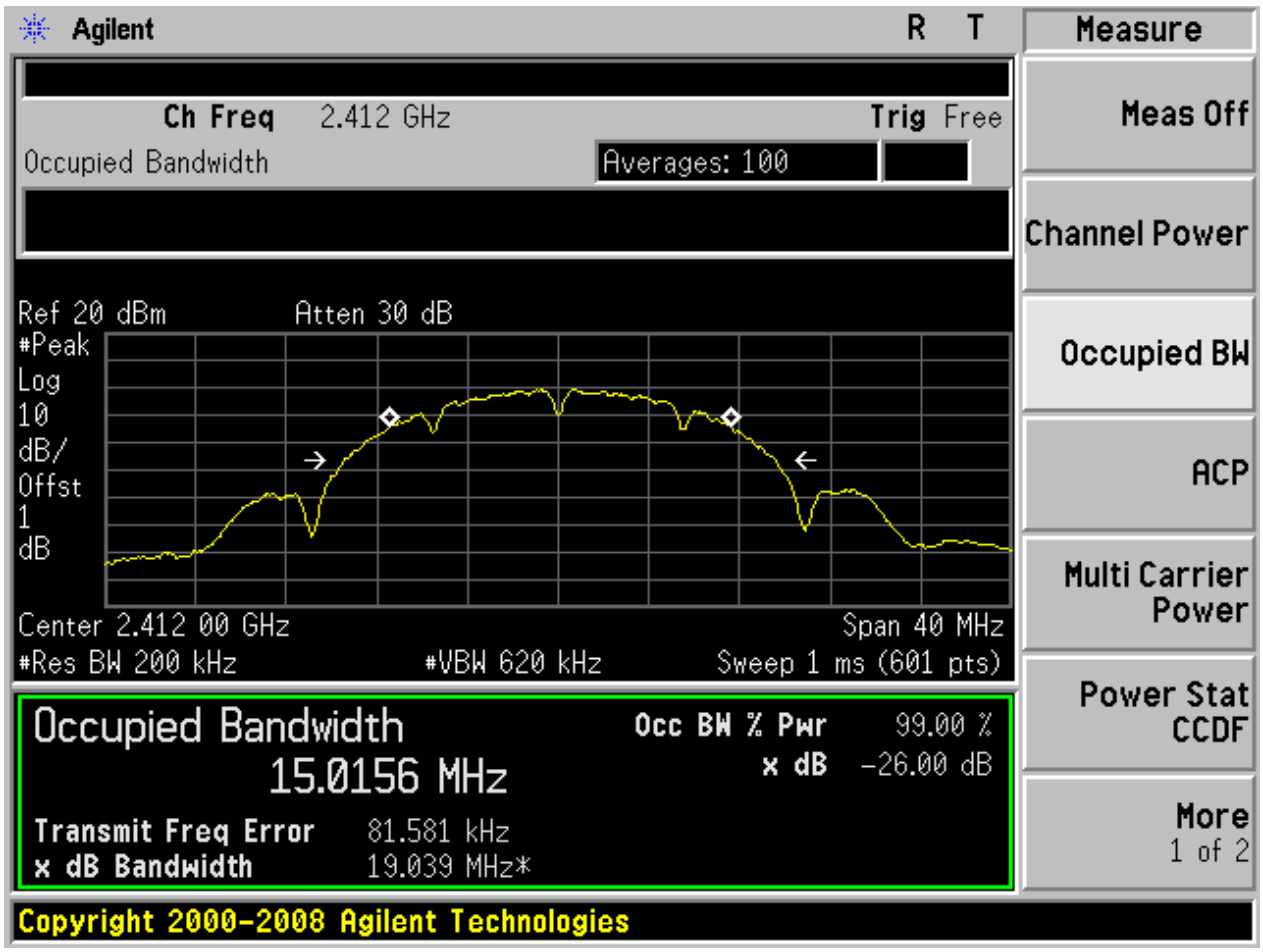
Part II - Test Plots

2.1 11B_L@Ant 1



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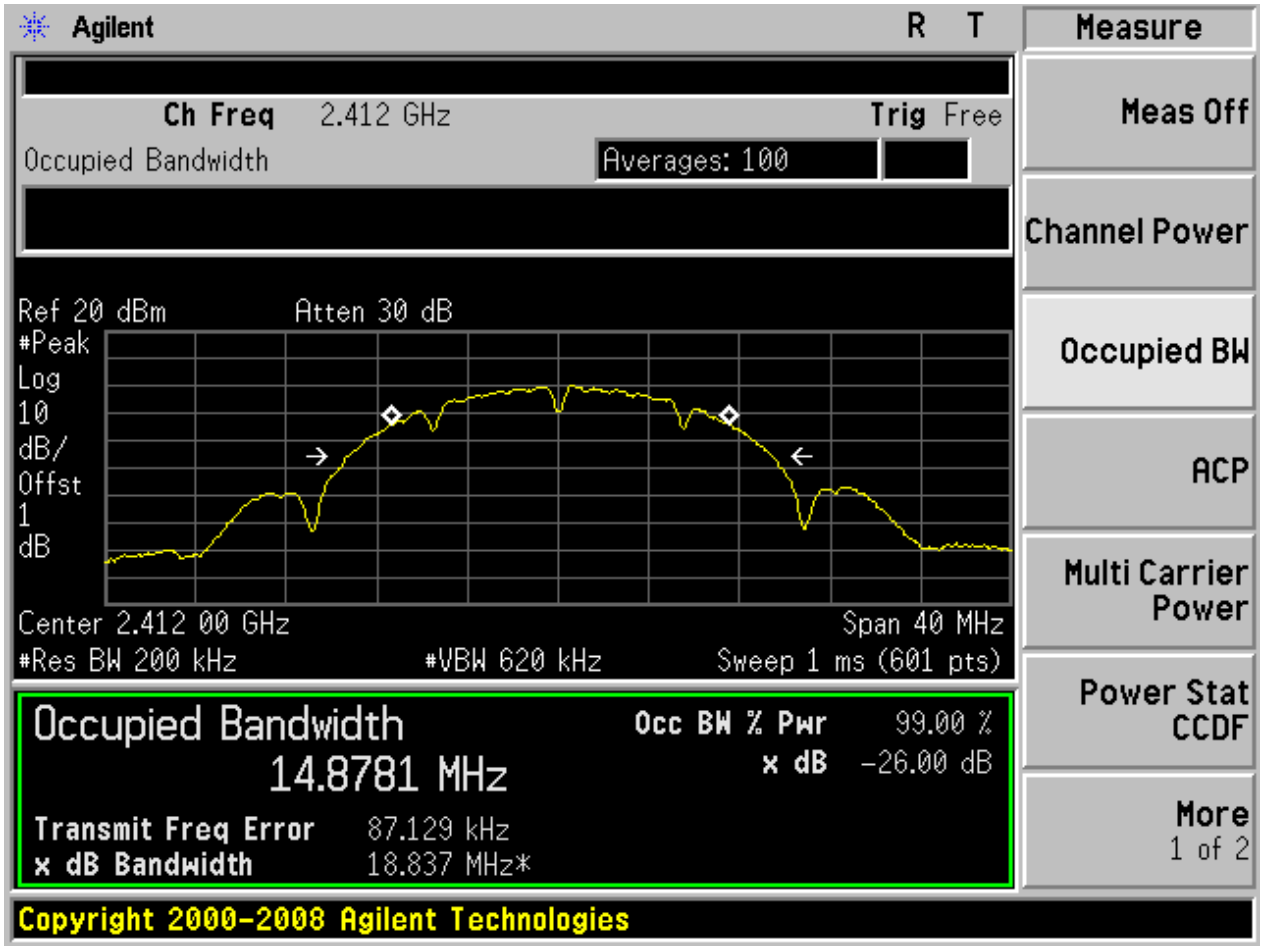
2.2 11B_L@Ant 2


Agilent
R T
Measure
Ch Freq 2.412 GHz
Trig Free
Occupied Bandwidth
Averages: 100
Meas Off
Channel Power
Ref 20 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
1
dB
Occupied BW
ACP
Center 2.412 00 GHz
Span 40 MHz
#Res BW 200 kHz
#VBW 620 kHz
Sweep 1 ms (601 pts)
Multi Carrier Power
Occupied Bandwidth
14.8781 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB
Power Stat CCDF
Transmit Freq Error 87.129 kHz
x dB Bandwidth 18.837 MHz*
More
1 of 2
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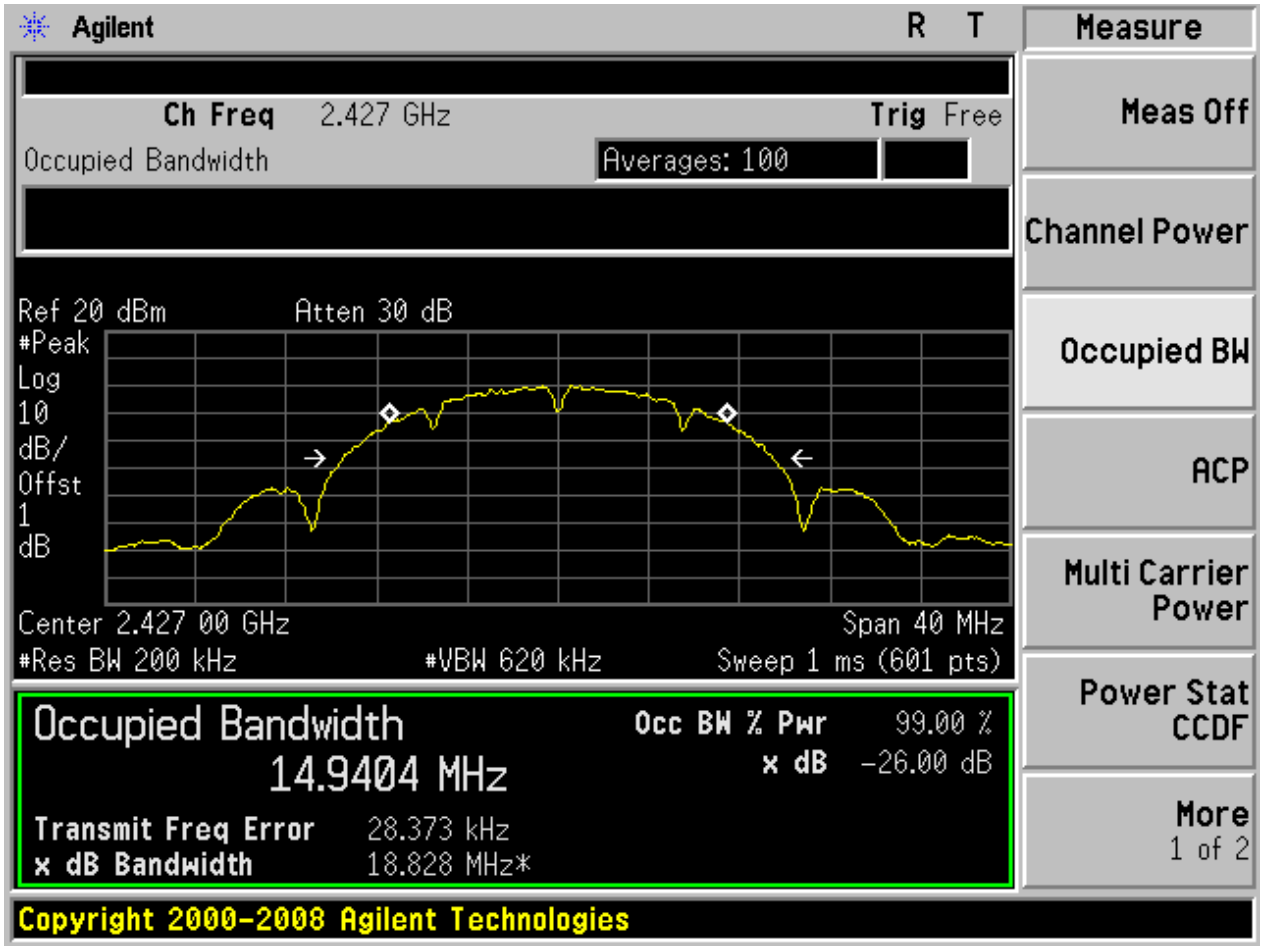
2.3 11B_M@Ant 1



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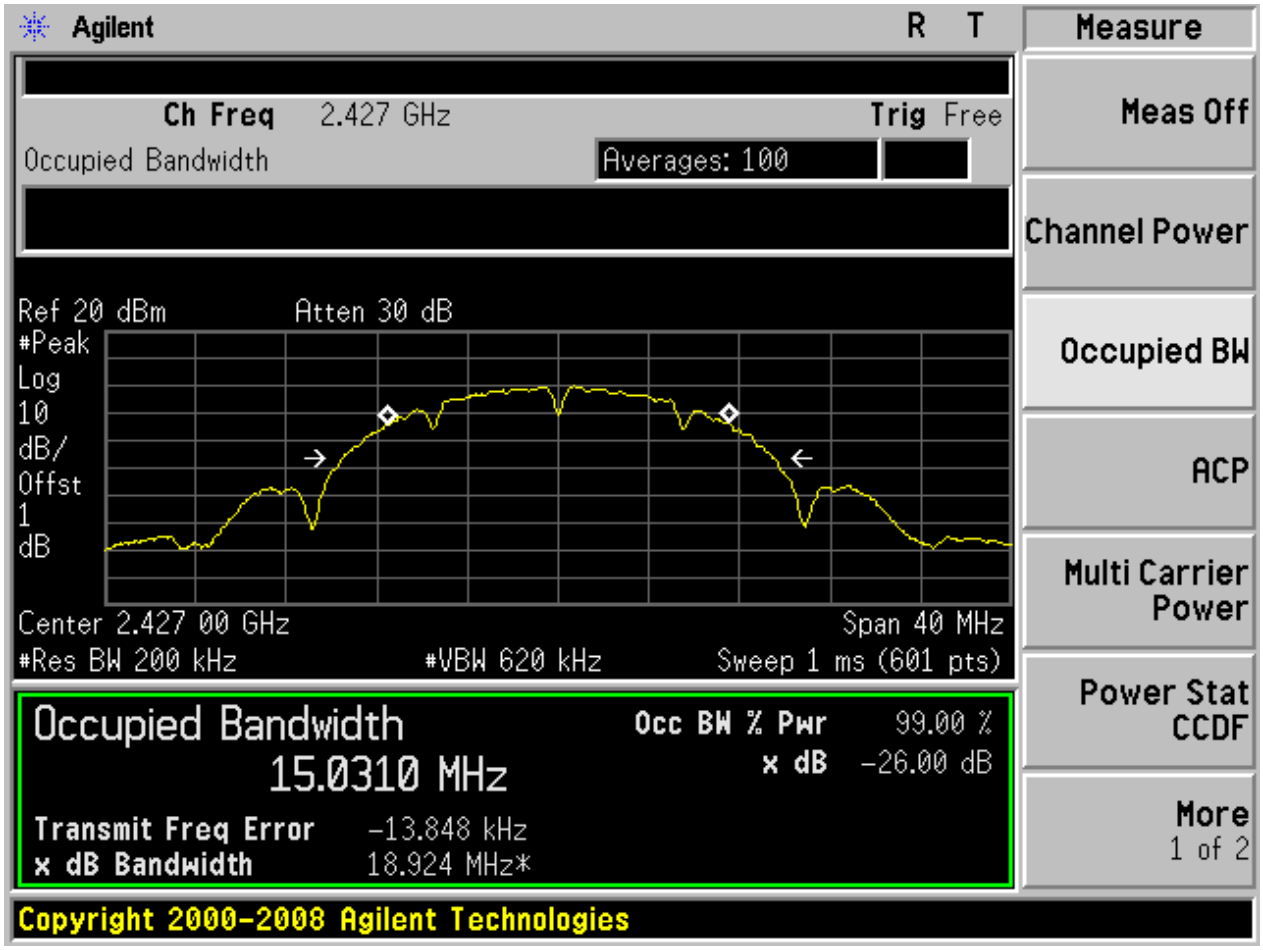
2.4 11B_M@Ant 2



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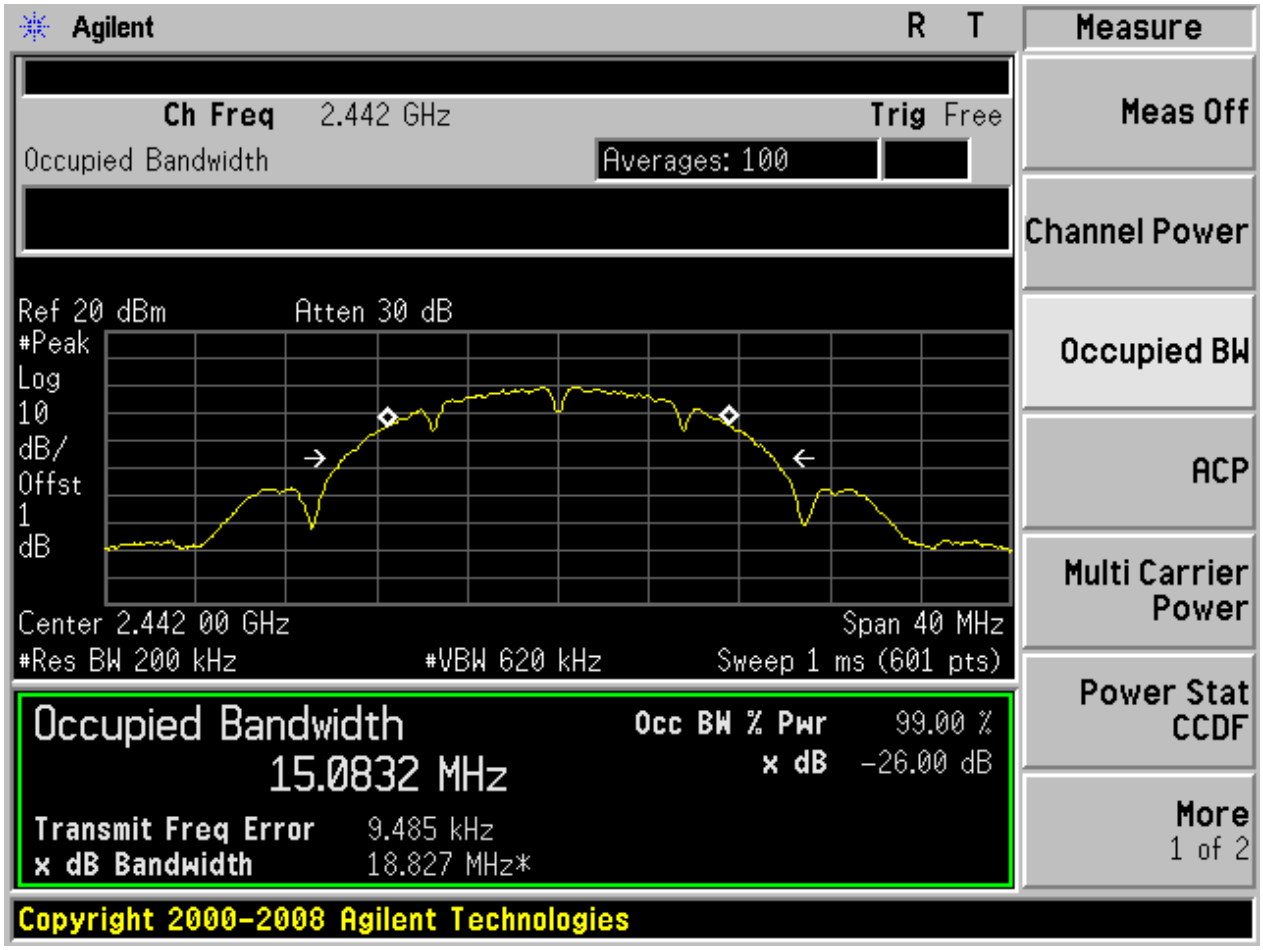
2.5 11B_H@Ant 1


Agilent
R T
Measure
Ch Freq 2.442 GHz
Trig Free
Occupied Bandwidth
Averages: 100
Meas Off
Channel Power
Ref 20 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
1
dB
Occupied BW
ACP
Center 2.442 00 GHz
Span 40 MHz
#Res BW 200 kHz
#VBW 620 kHz
Sweep 1 ms (601 pts)
Multi Carrier Power
Occupied Bandwidth
15.0832 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB
Power Stat CCDF
Transmit Freq Error 9.485 kHz
x dB Bandwidth 18.827 MHz*
More
1 of 2
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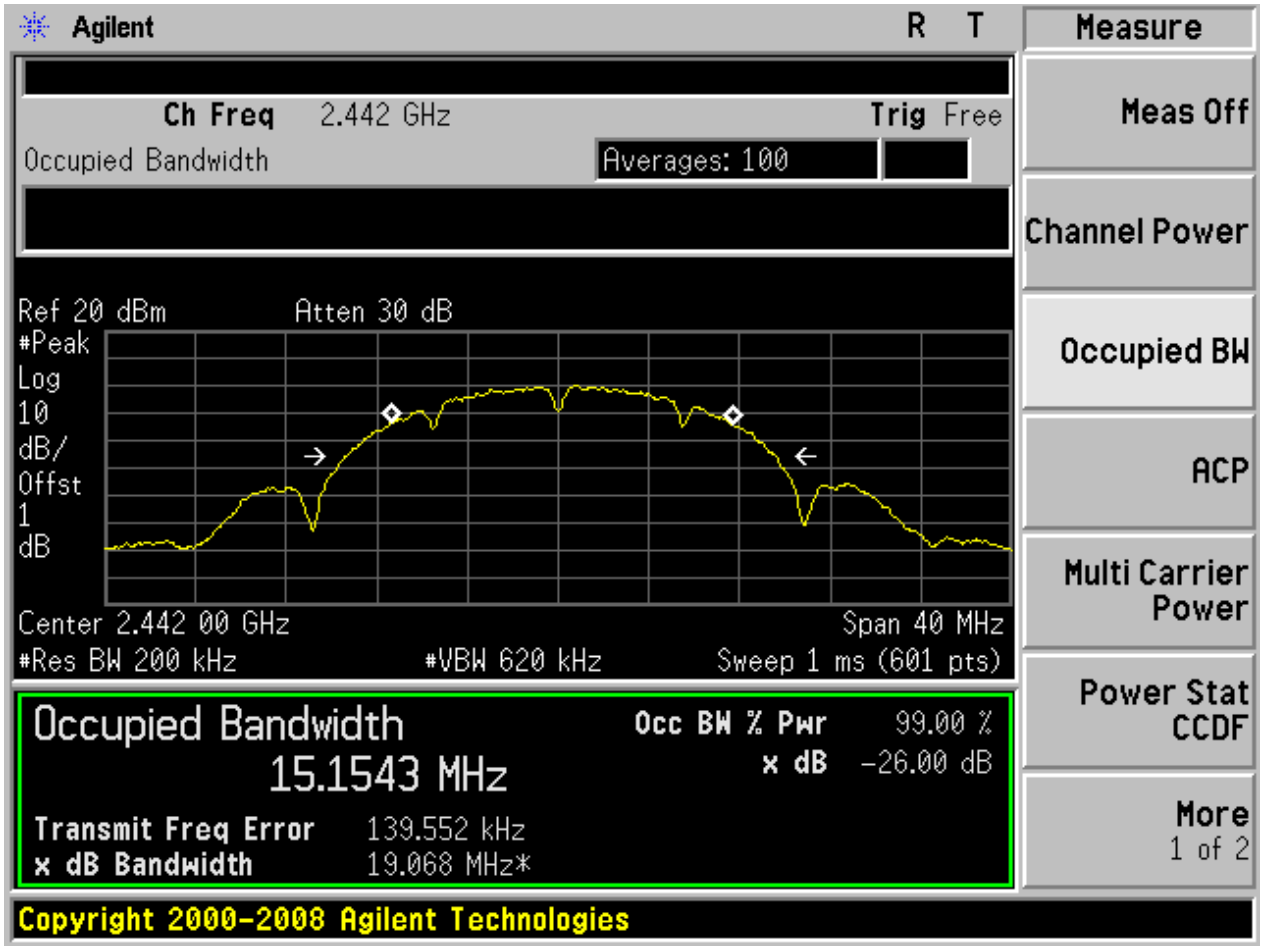
2.6 11B_H@Ant 2



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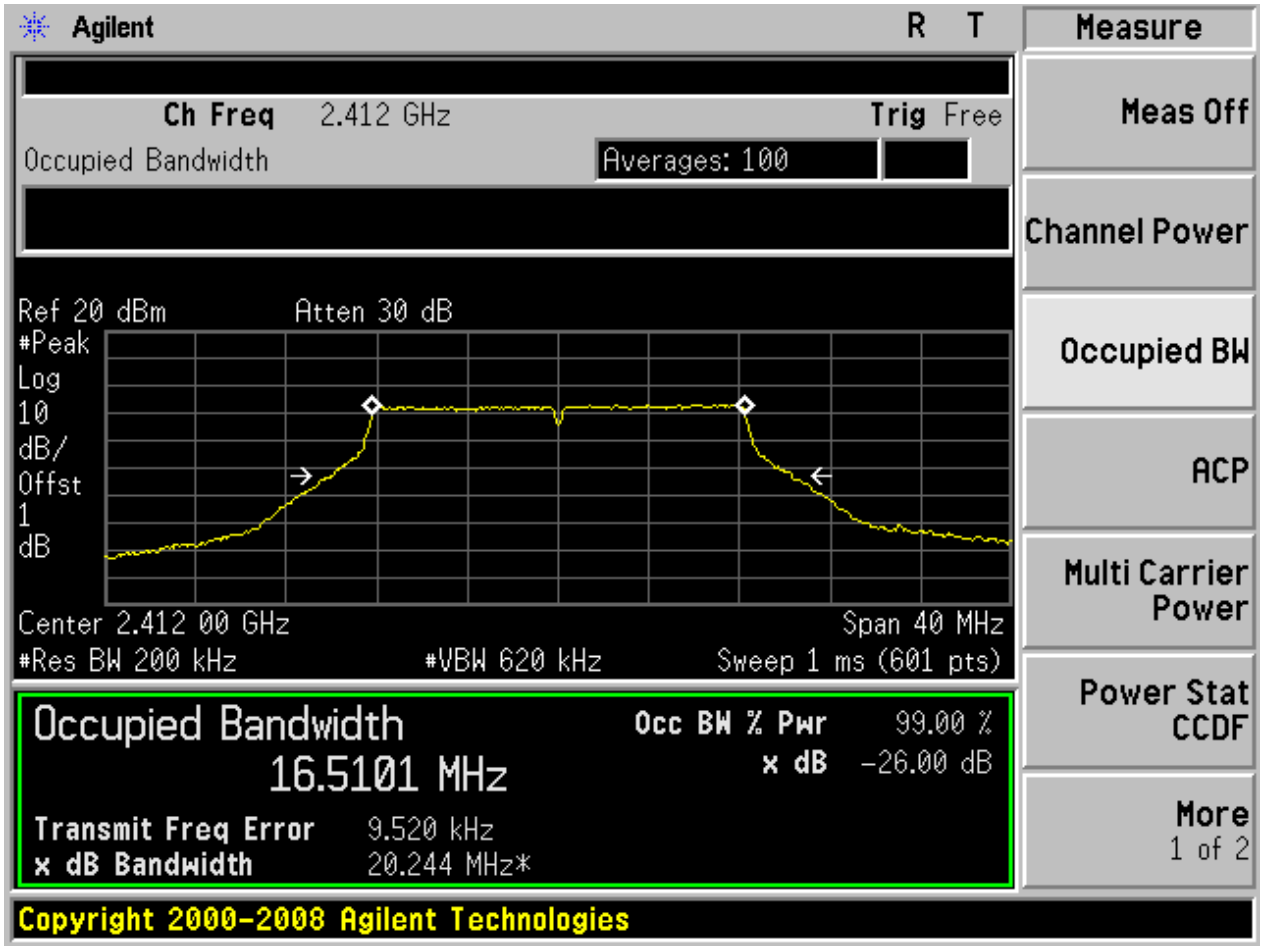
2.7 11G_L@Ant 1


Agilent
R T
Measure
Ch Freq 2.412 GHz
Trig Free
Occupied Bandwidth
Averages: 100
Meas Off
Channel Power
Ref 20 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
1
dB
Occupied BW
ACP
Center 2.412 00 GHz
Span 40 MHz
#Res BW 200 kHz
#VBW 620 kHz
Sweep 1 ms (601 pts)
Multi Carrier Power
Occupied Bandwidth
16.5101 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB
Power Stat CCDF
Transmit Freq Error 9.520 kHz
x dB Bandwidth 20.244 MHz*
More
1 of 2
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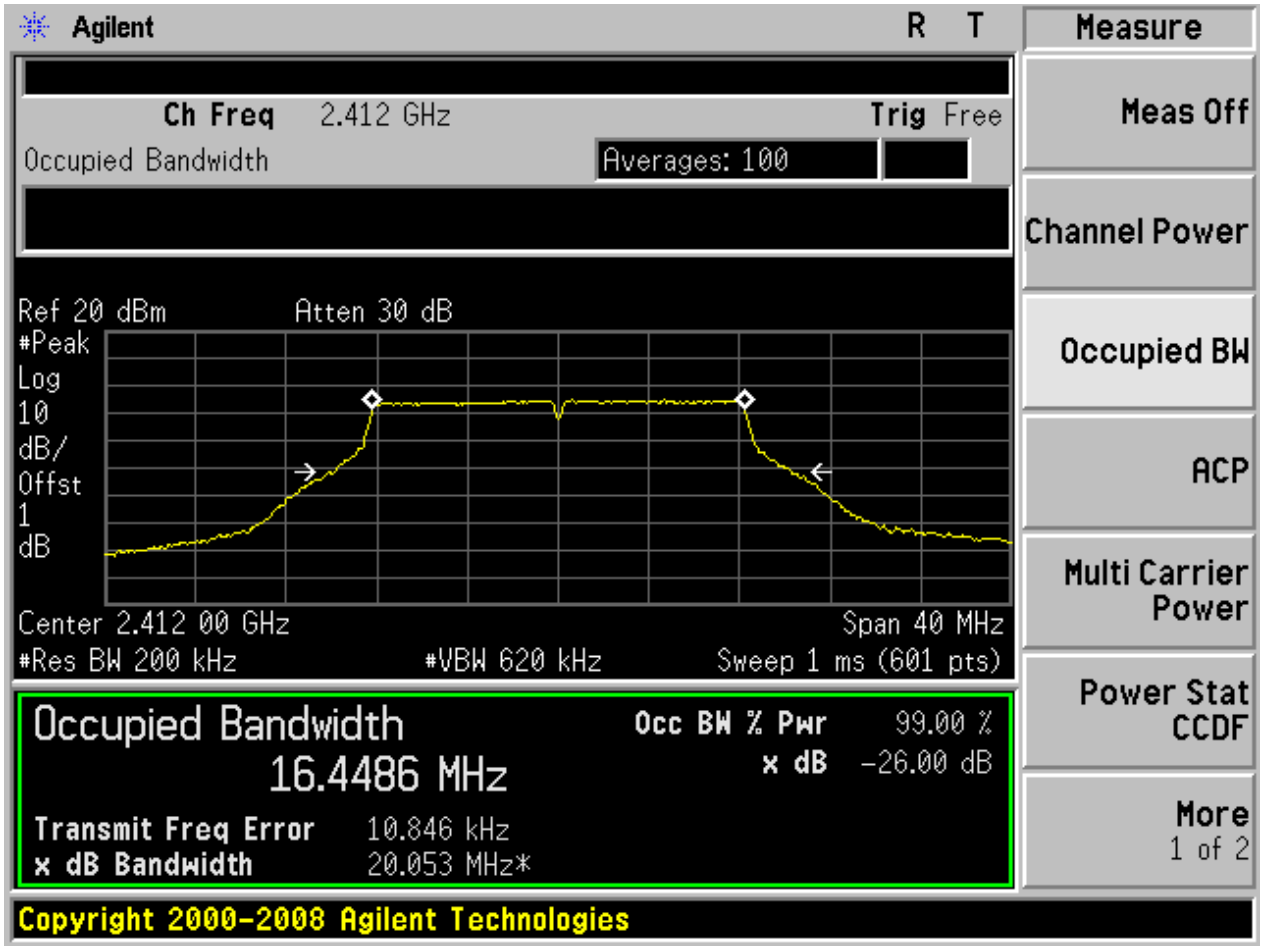
2.8 11G_L@Ant 2


Agilent
R T
Measure
Ch Freq 2.412 GHz
Trig Free
Occupied Bandwidth
Averages: 100
Meas Off
Channel Power
Ref 20 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
1
dB
Occupied BW
ACP
Center 2.412 00 GHz
Span 40 MHz
#Res BW 200 kHz
#VBW 620 kHz
Sweep 1 ms (601 pts)
Multi Carrier Power
Occupied Bandwidth
16.4486 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB
Power Stat CCDF
Transmit Freq Error 10.846 kHz
x dB Bandwidth 20.053 MHz*
More
1 of 2
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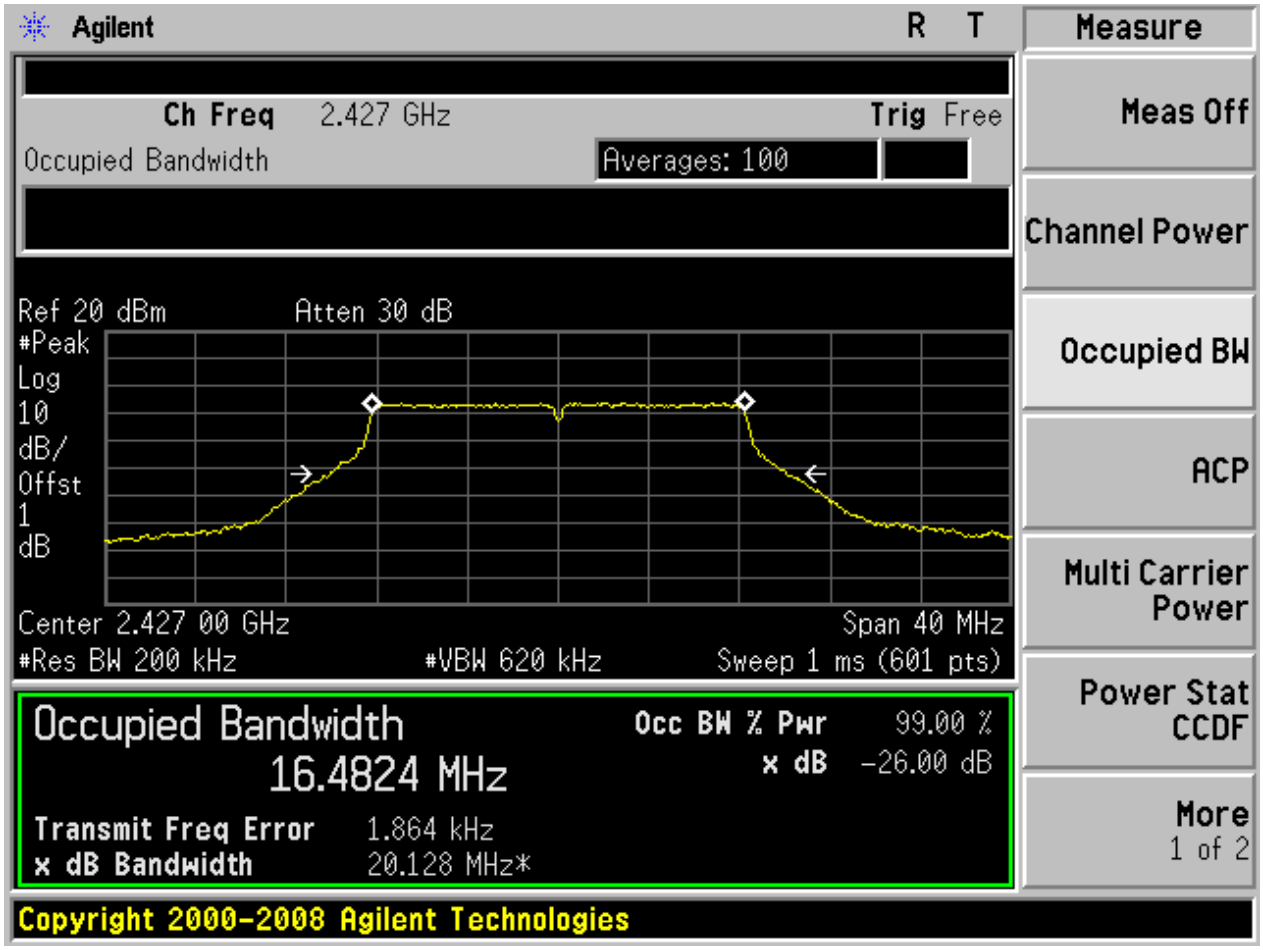
2.9 11G_M@Ant 1


Agilent
R T
Measure
Ch Freq 2.427 GHz
Trig Free
Occupied Bandwidth
Averages: 100
Meas Off
Channel Power
Ref 20 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
1
dB
Occupied BW
ACP
Center 2.427 00 GHz
Span 40 MHz
#Res BW 200 kHz
#VBW 620 kHz
Sweep 1 ms (601 pts)
Multi Carrier Power
Occupied Bandwidth
16.4824 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB
Power Stat CCDF
Transmit Freq Error 1.864 kHz
x dB Bandwidth 20.128 MHz*
More
1 of 2
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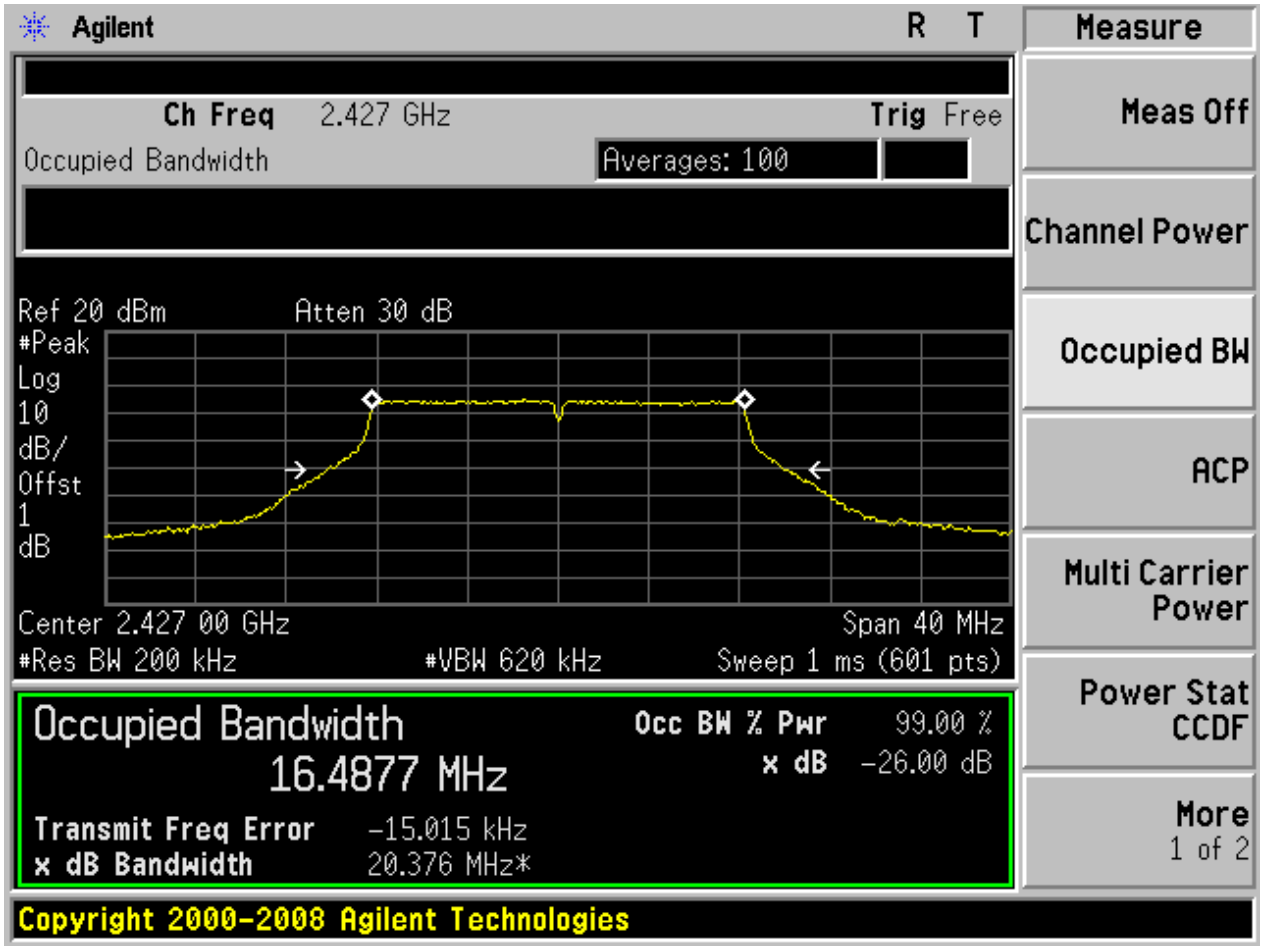
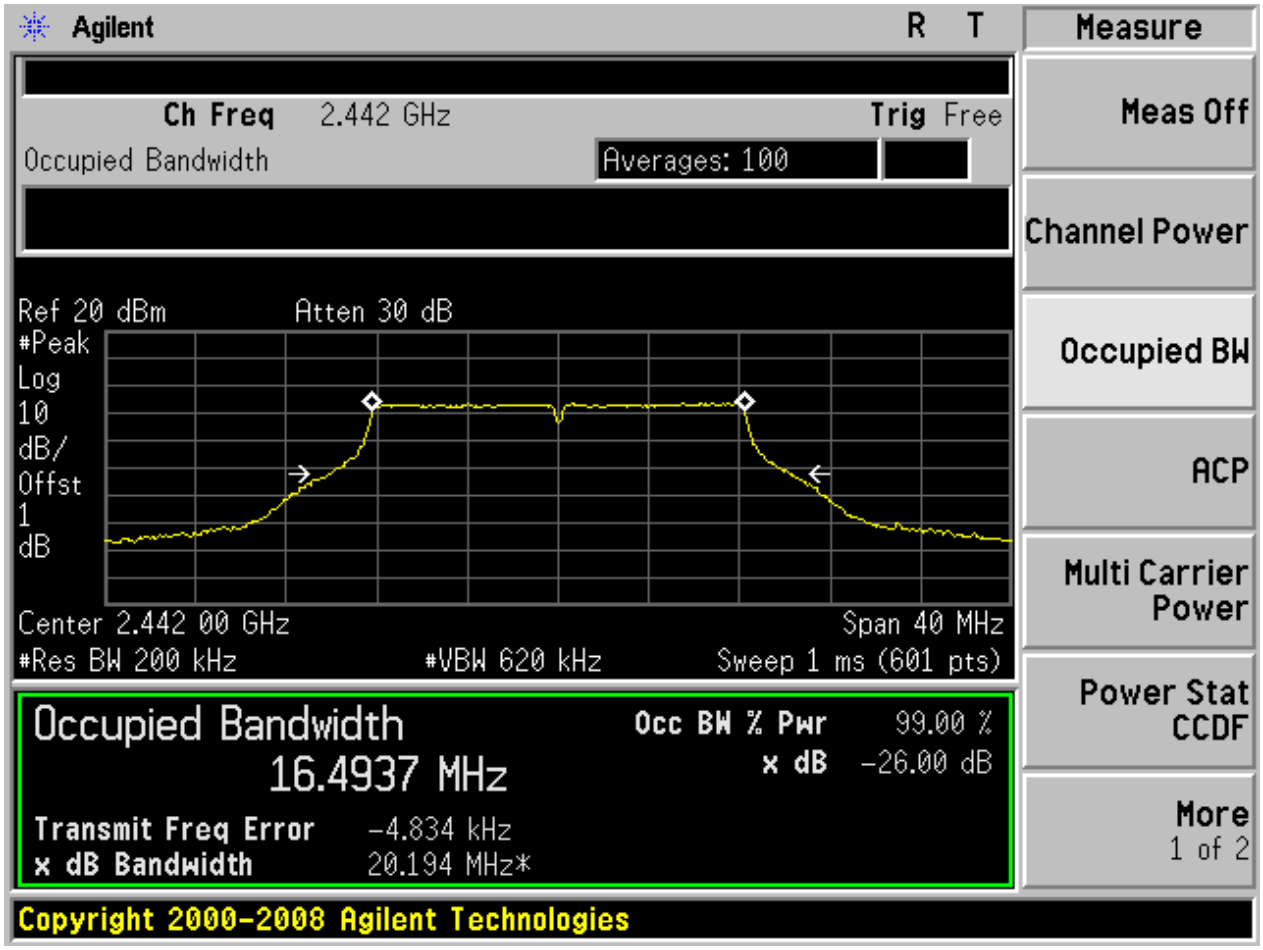
2.10 11G_M@Ant 2



2.11 11G_H@Ant 1



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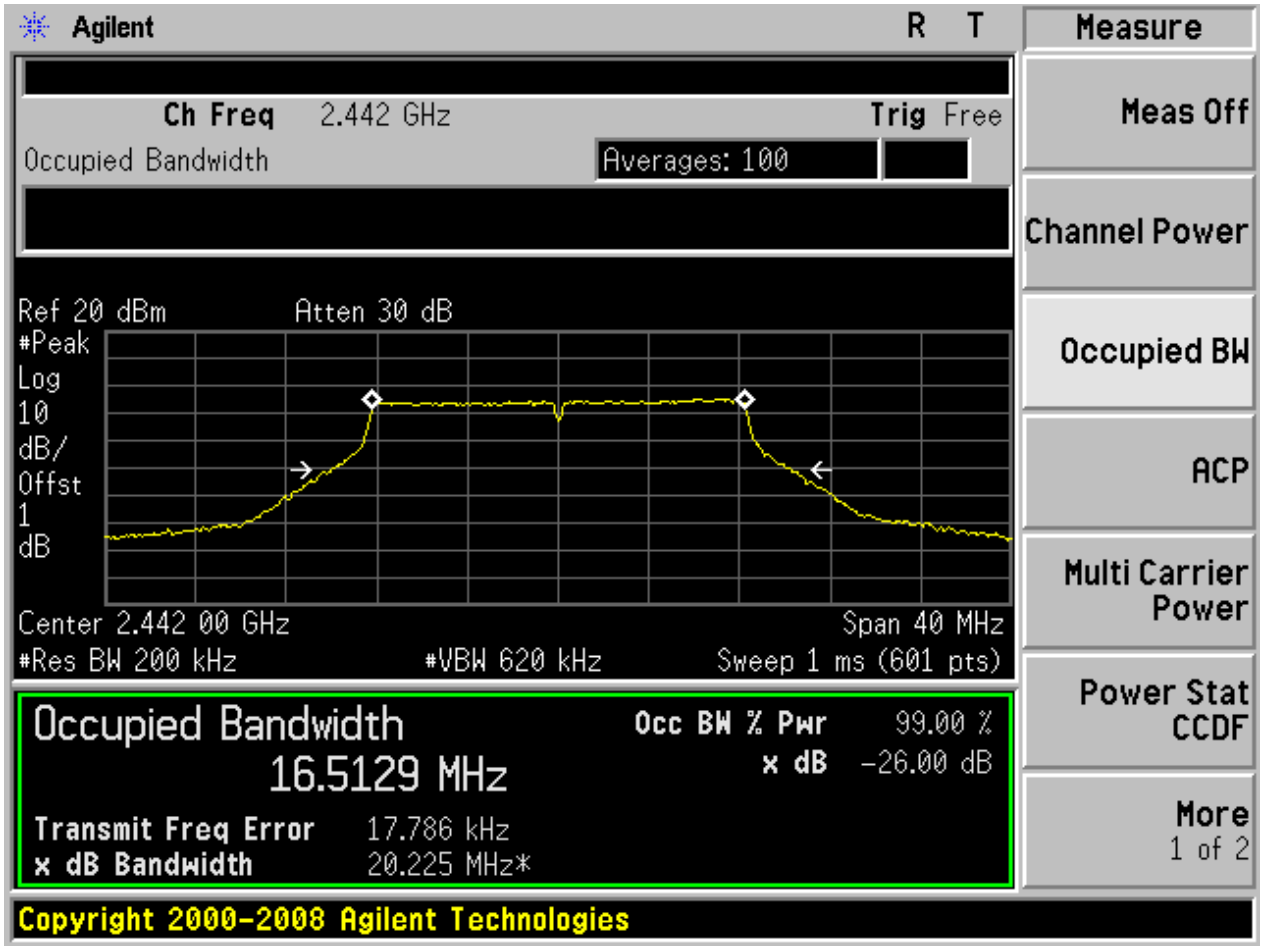
2.12 11G_H@Ant 2



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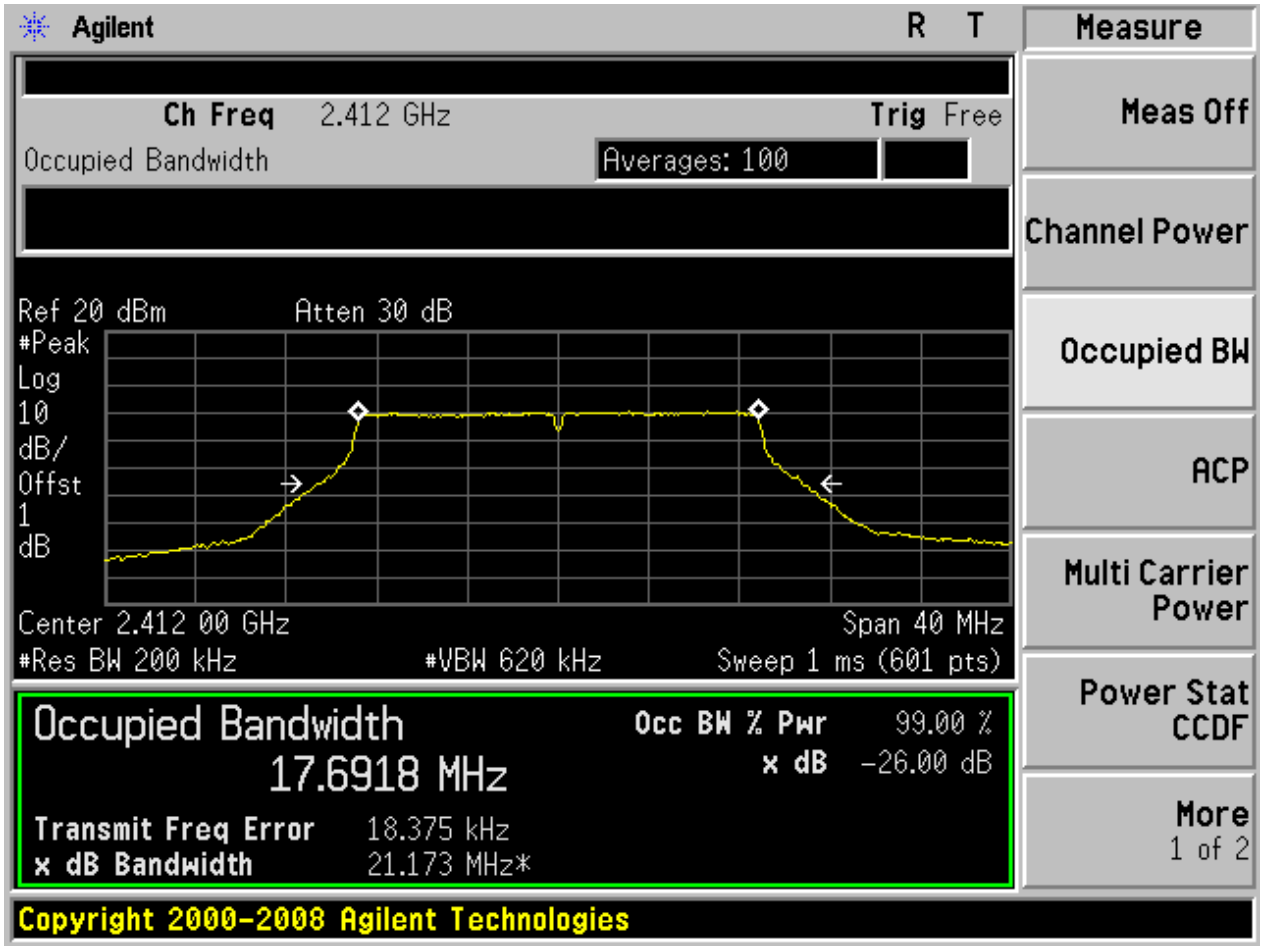
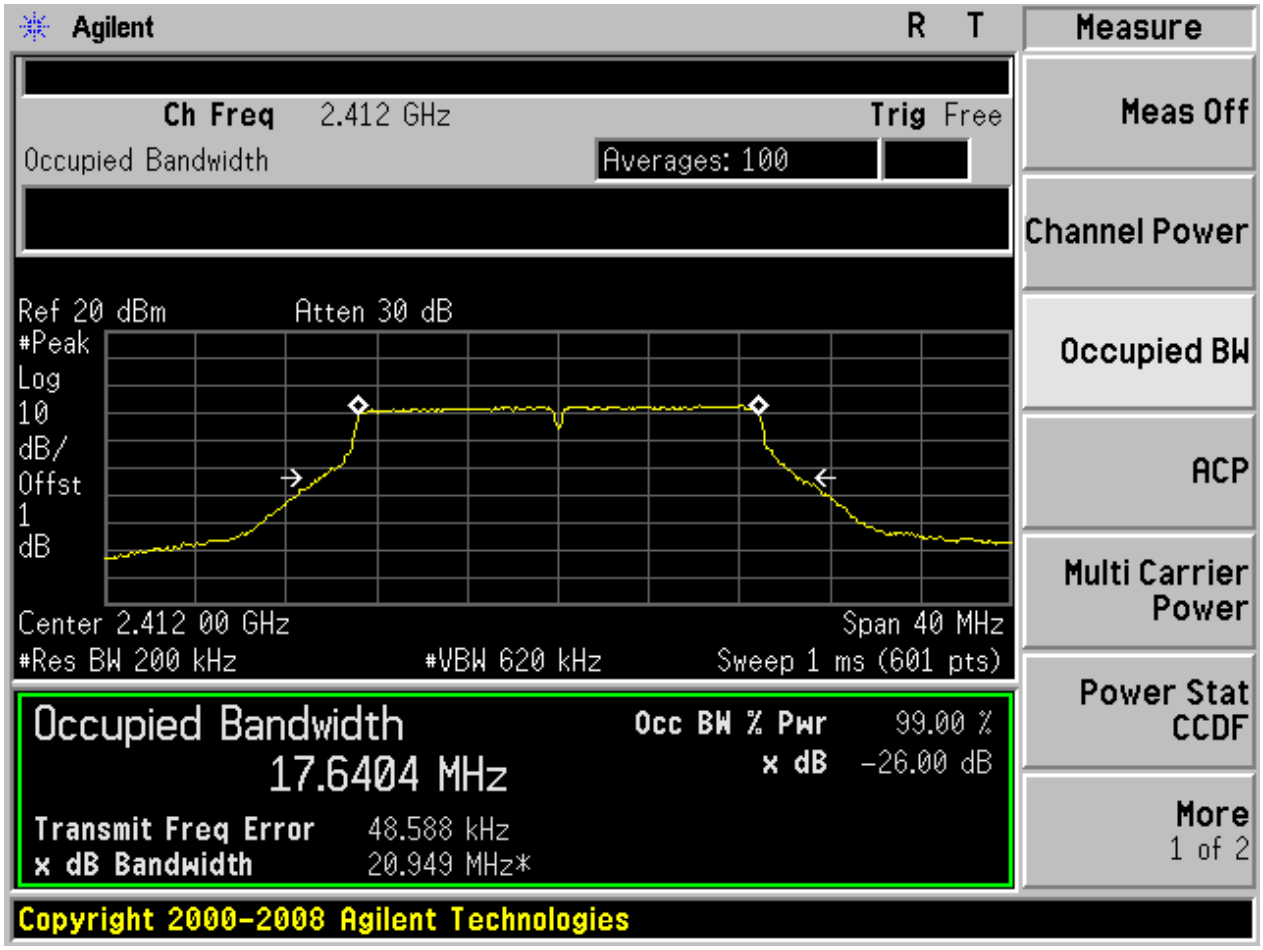
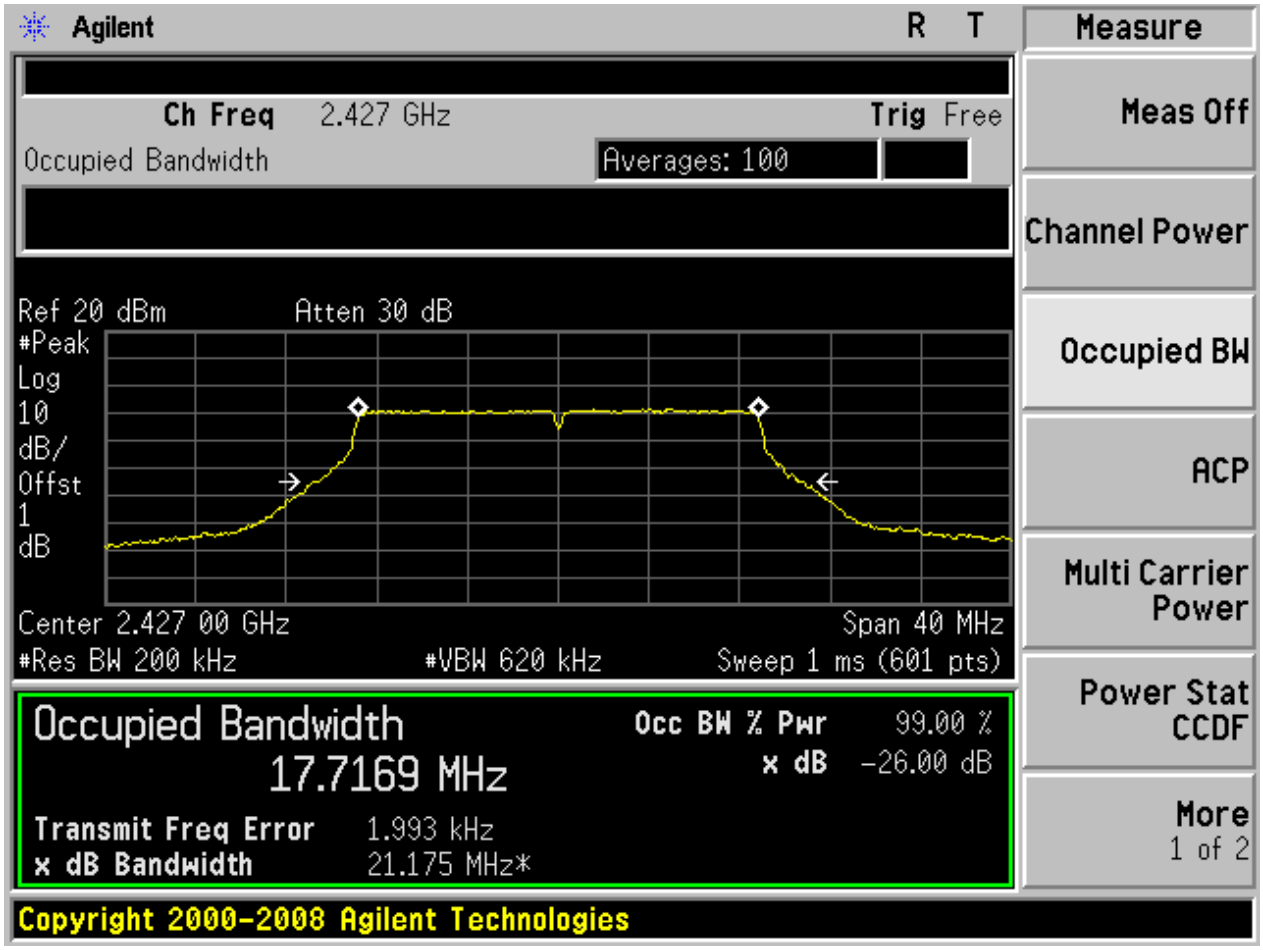
2.13 11N20_L@Ant 1



2.14 11N20_L@Ant 2



2.15 11N20_M@Ant 1



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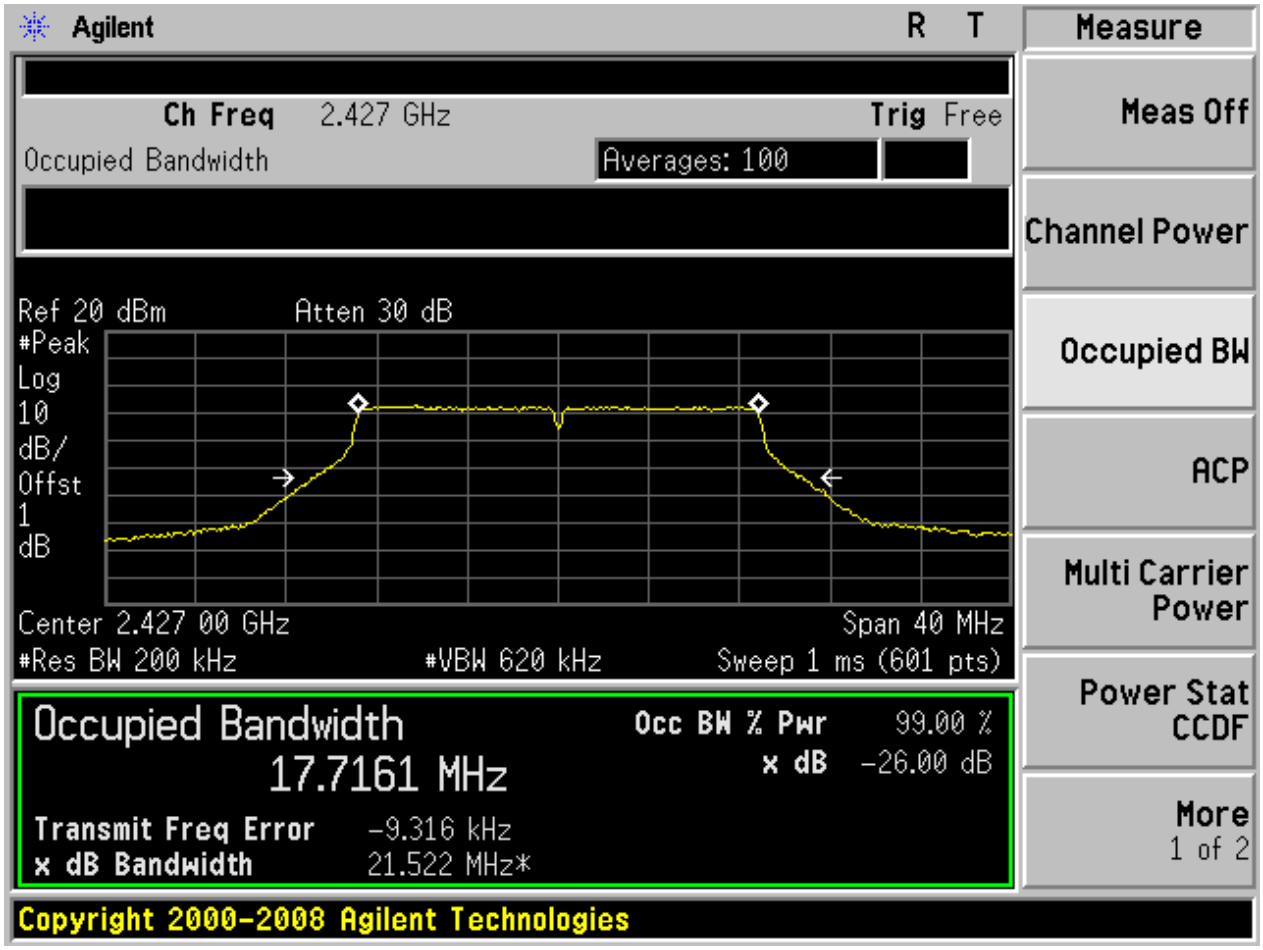
2.16 11N20_M@Ant 2



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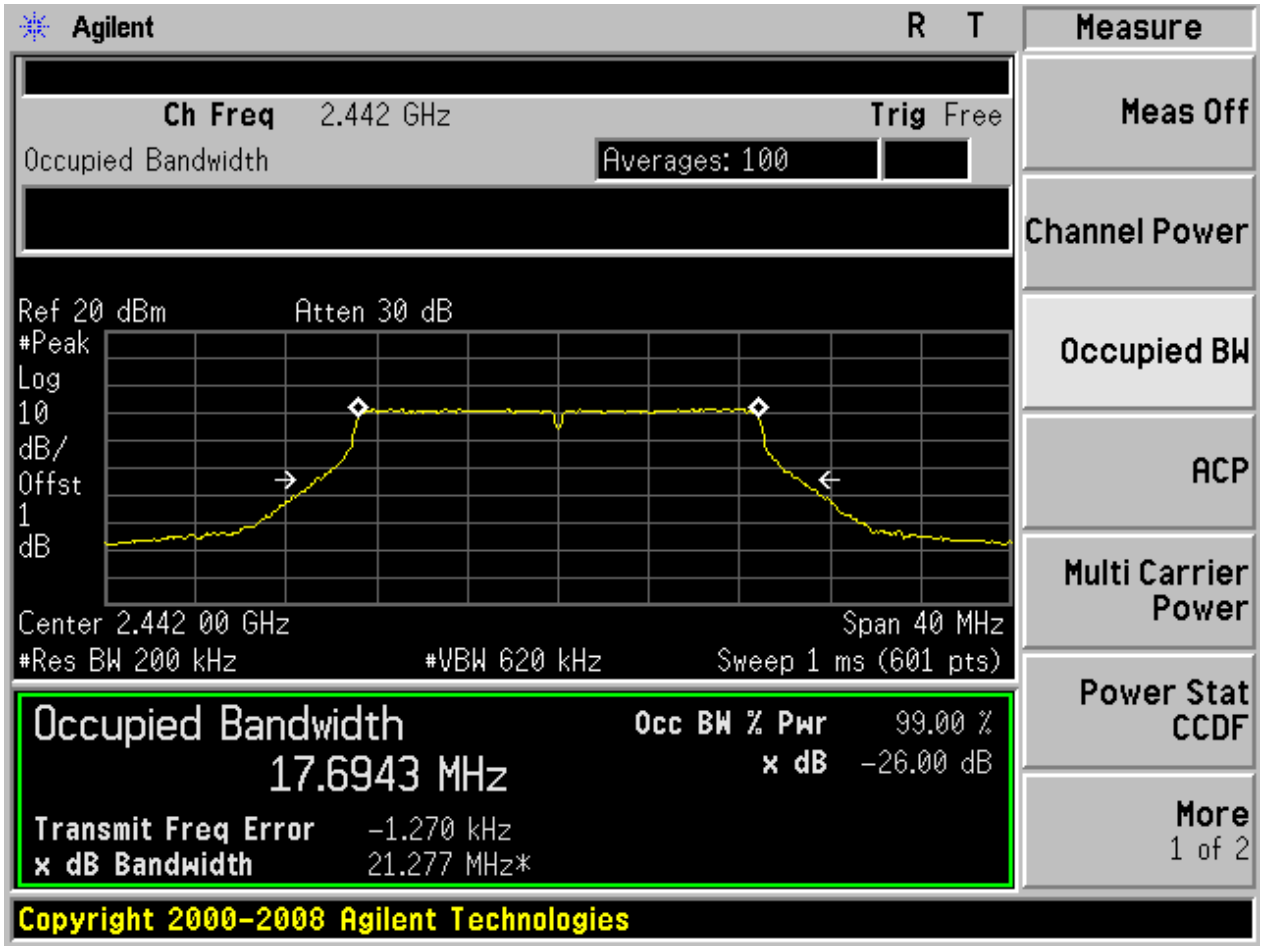
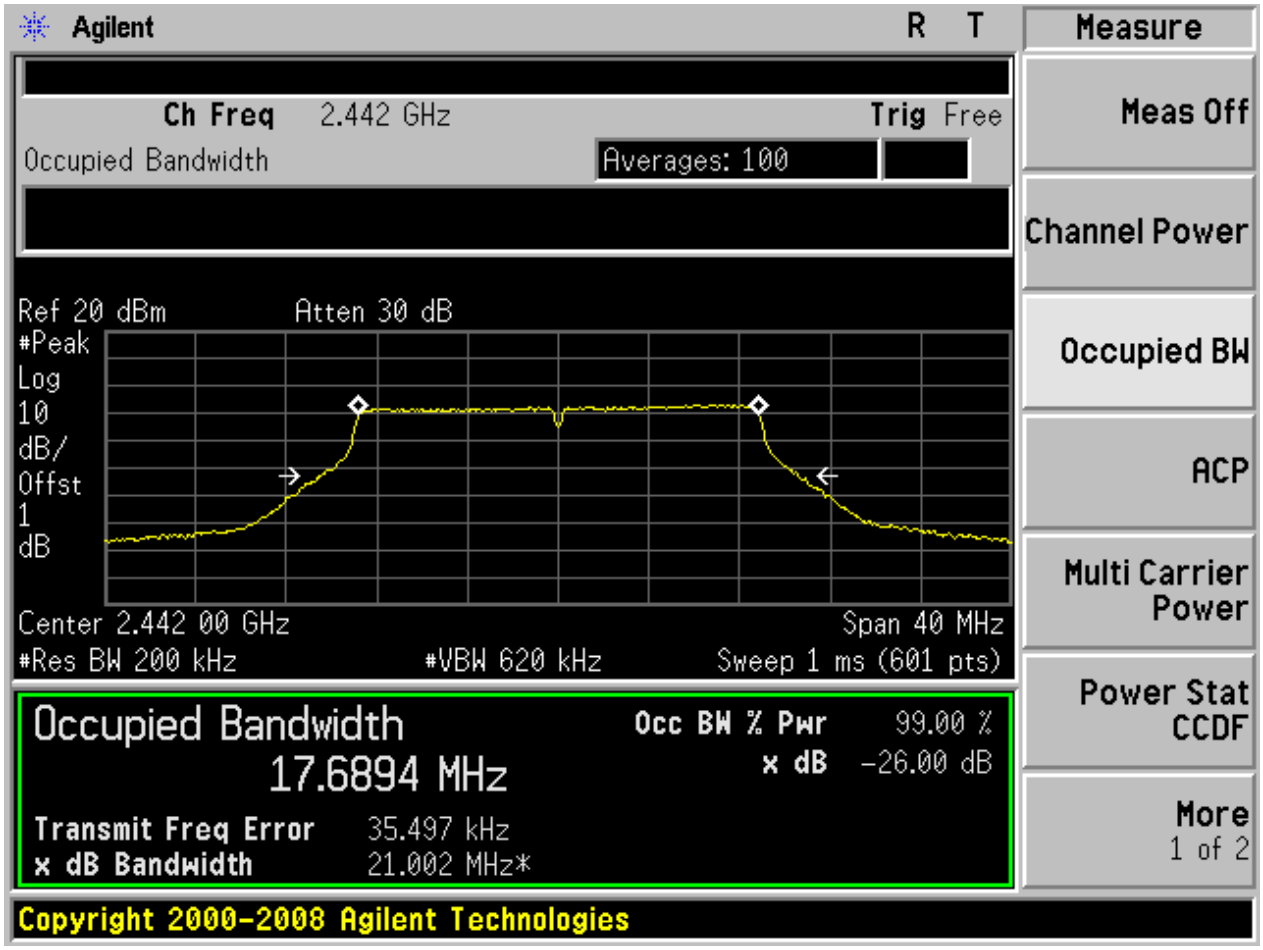
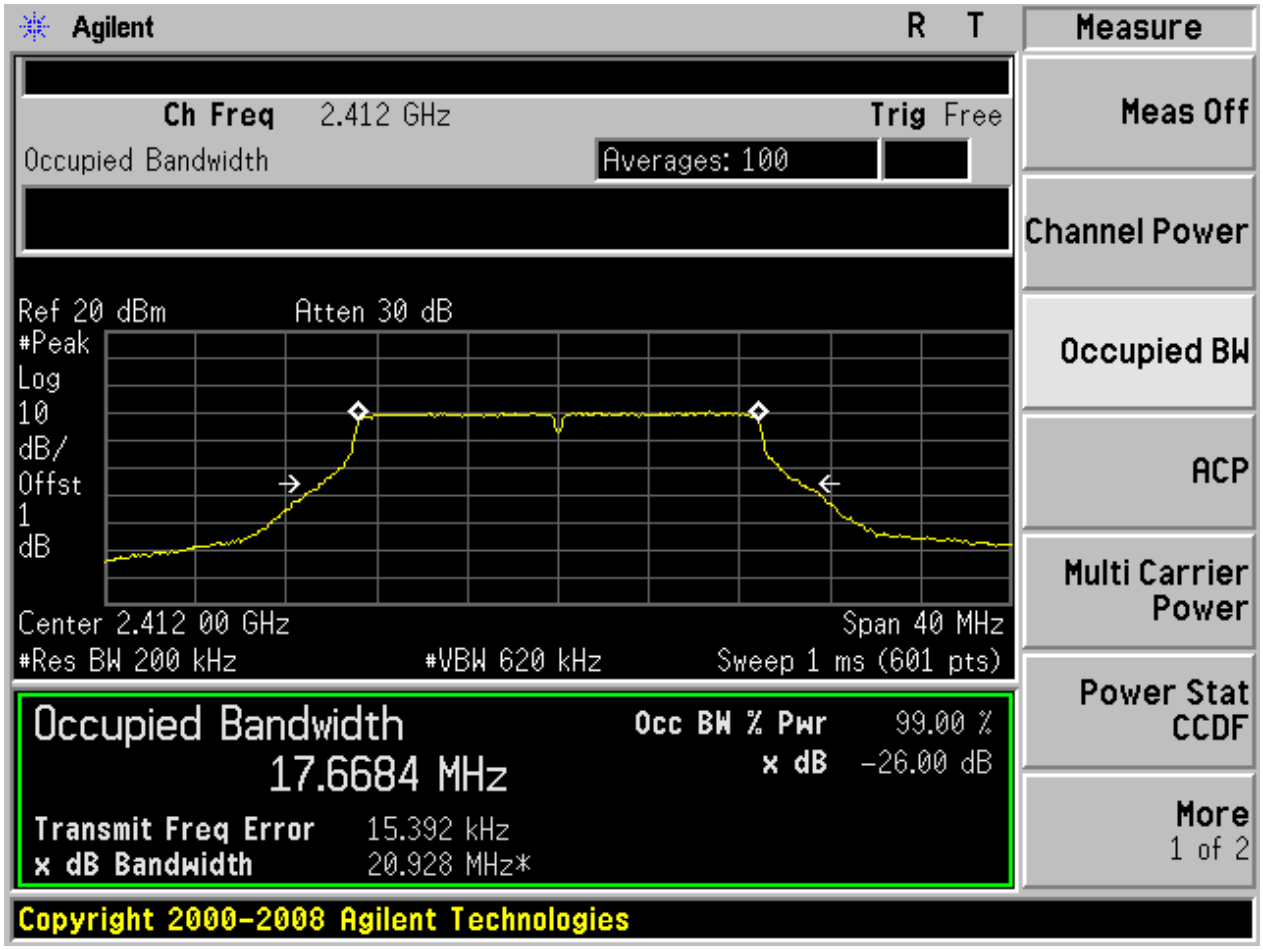
2.17 11N20_H@Ant 1



2.18 11N20_H@Ant 2



2.13 11N20m_L@Ant 1



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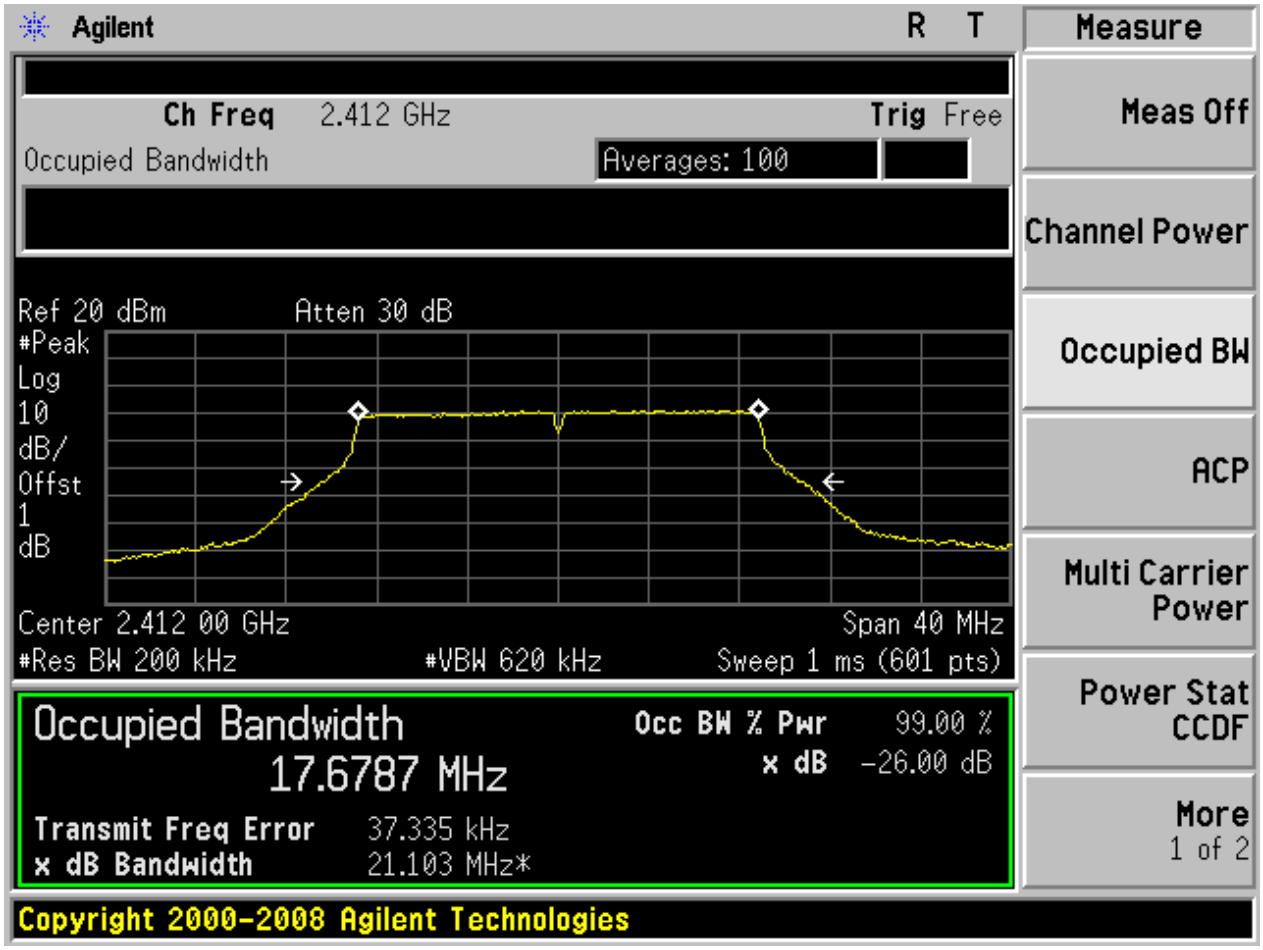
2.14 11N20m_L@Ant 2



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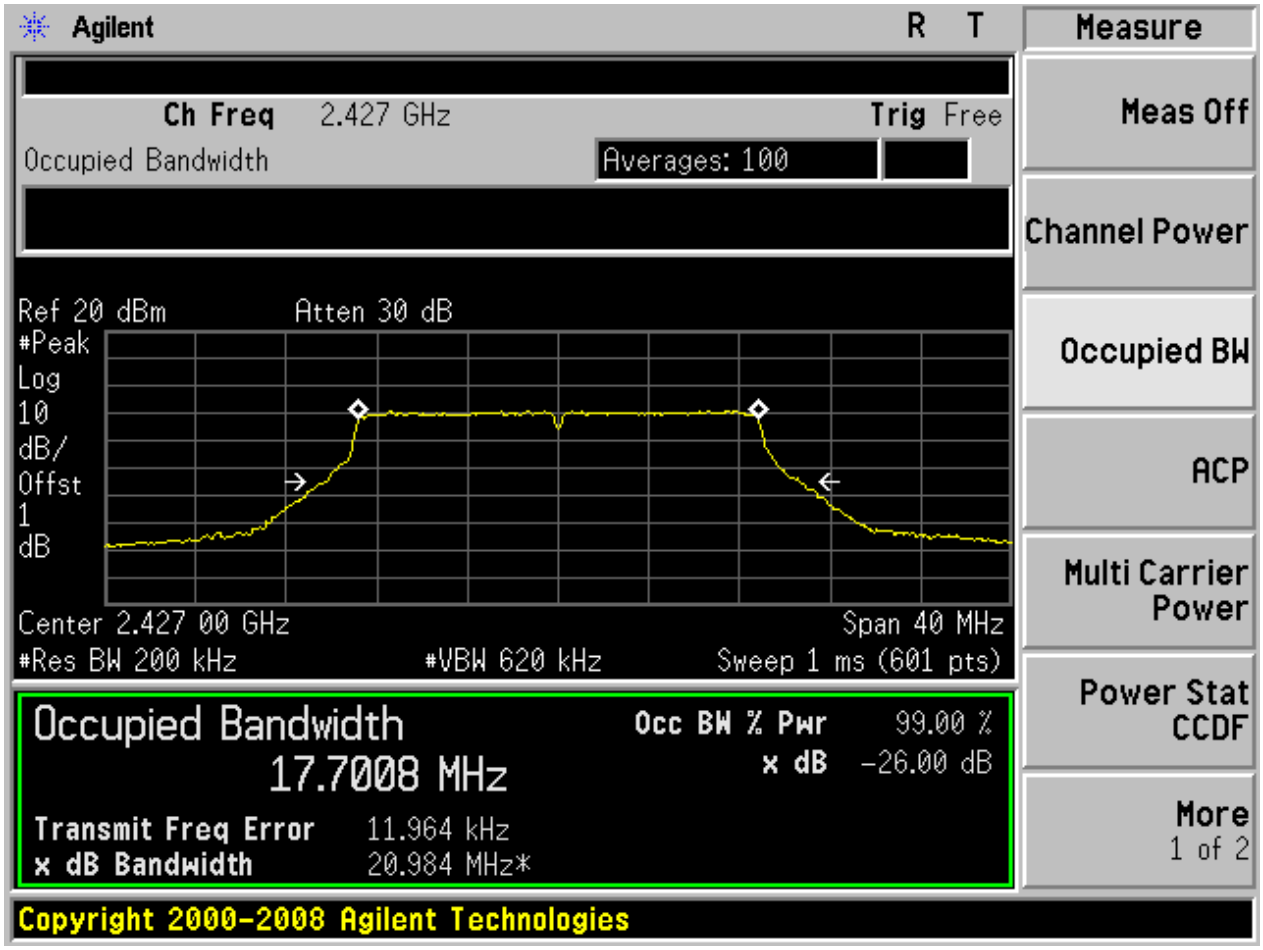
2.15 11N20m_M@Ant 1



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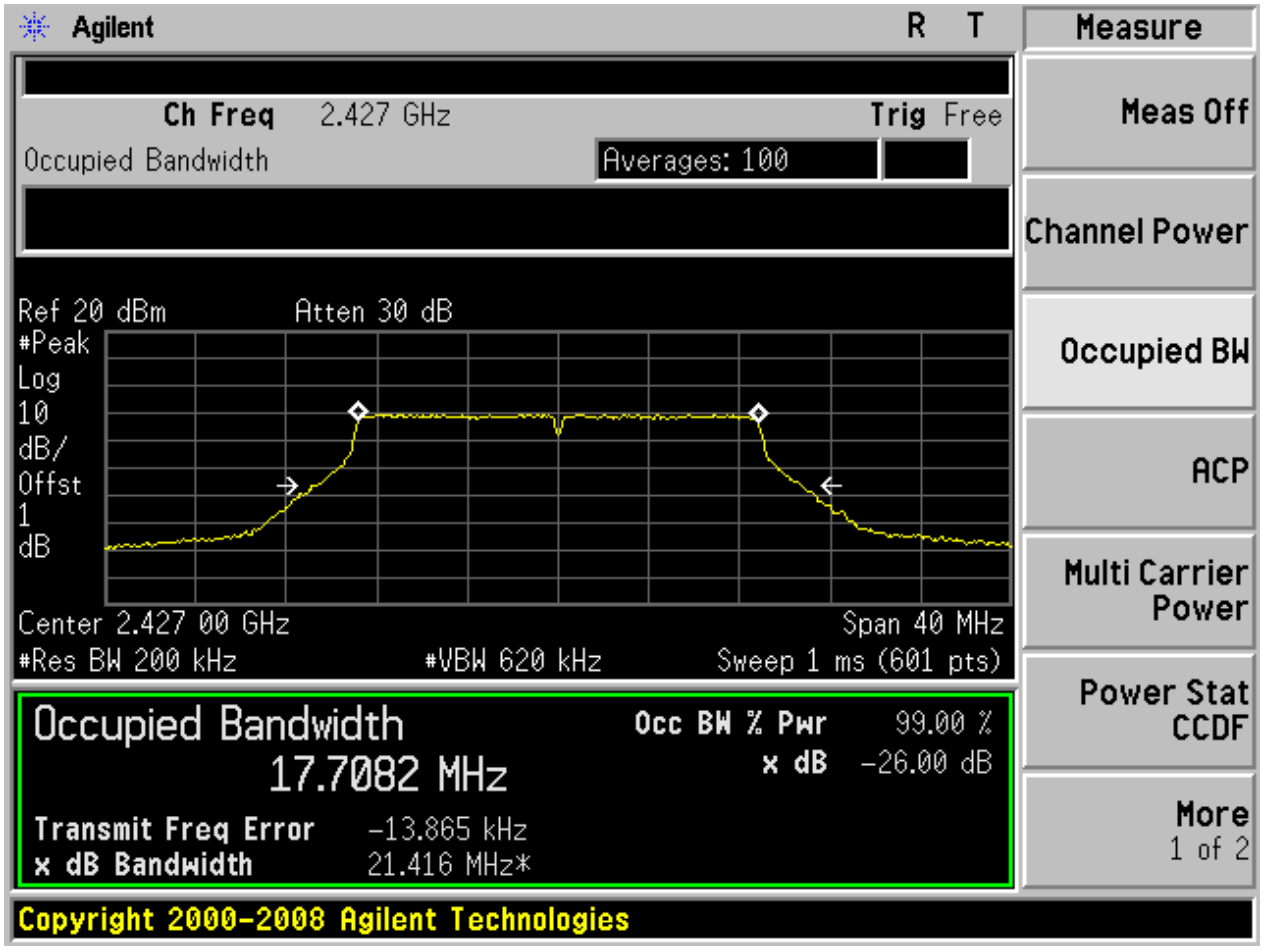
2.16 11N20m_M@Ant 2



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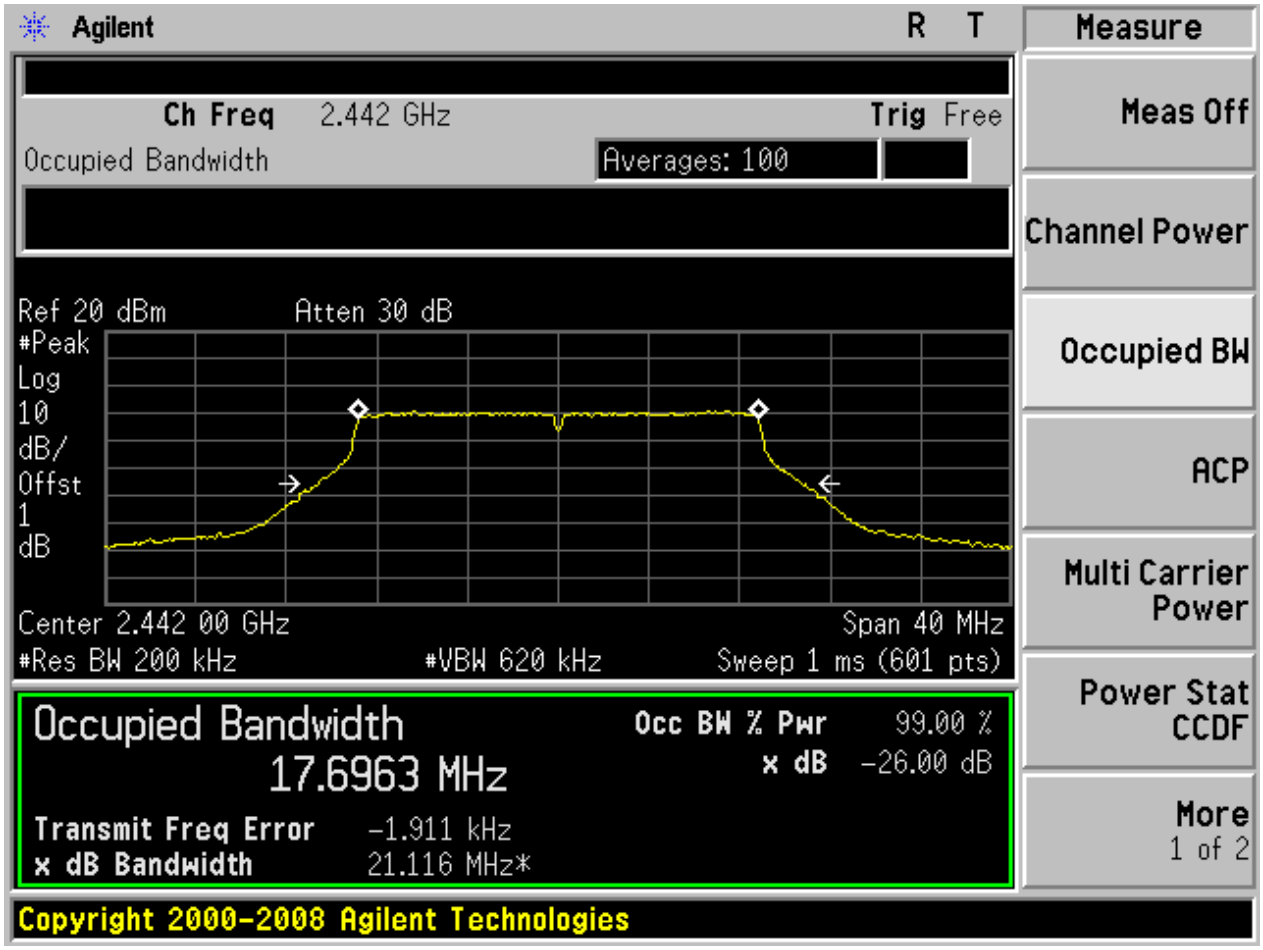

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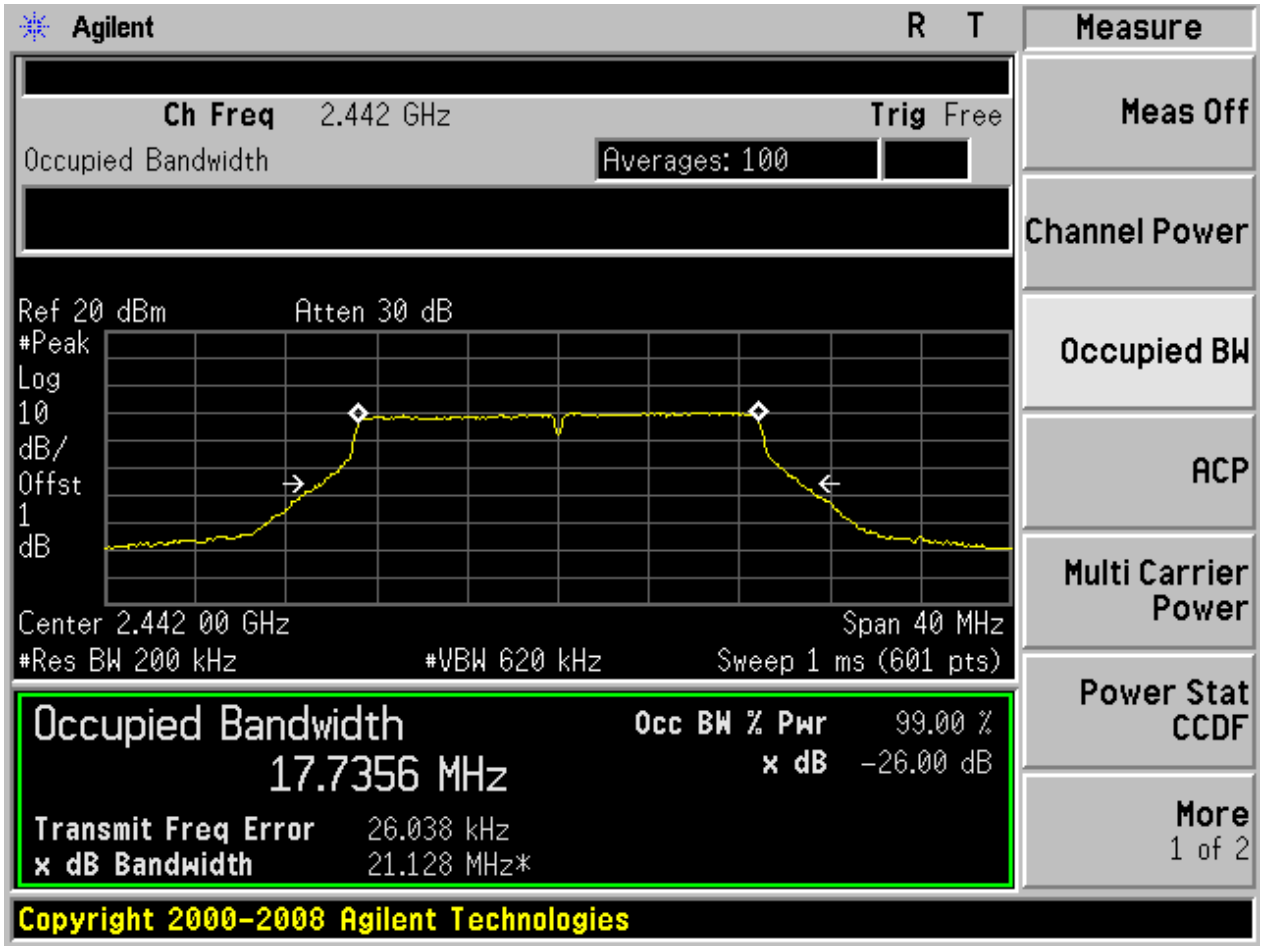
2.18 11N20m_H@Ant 2



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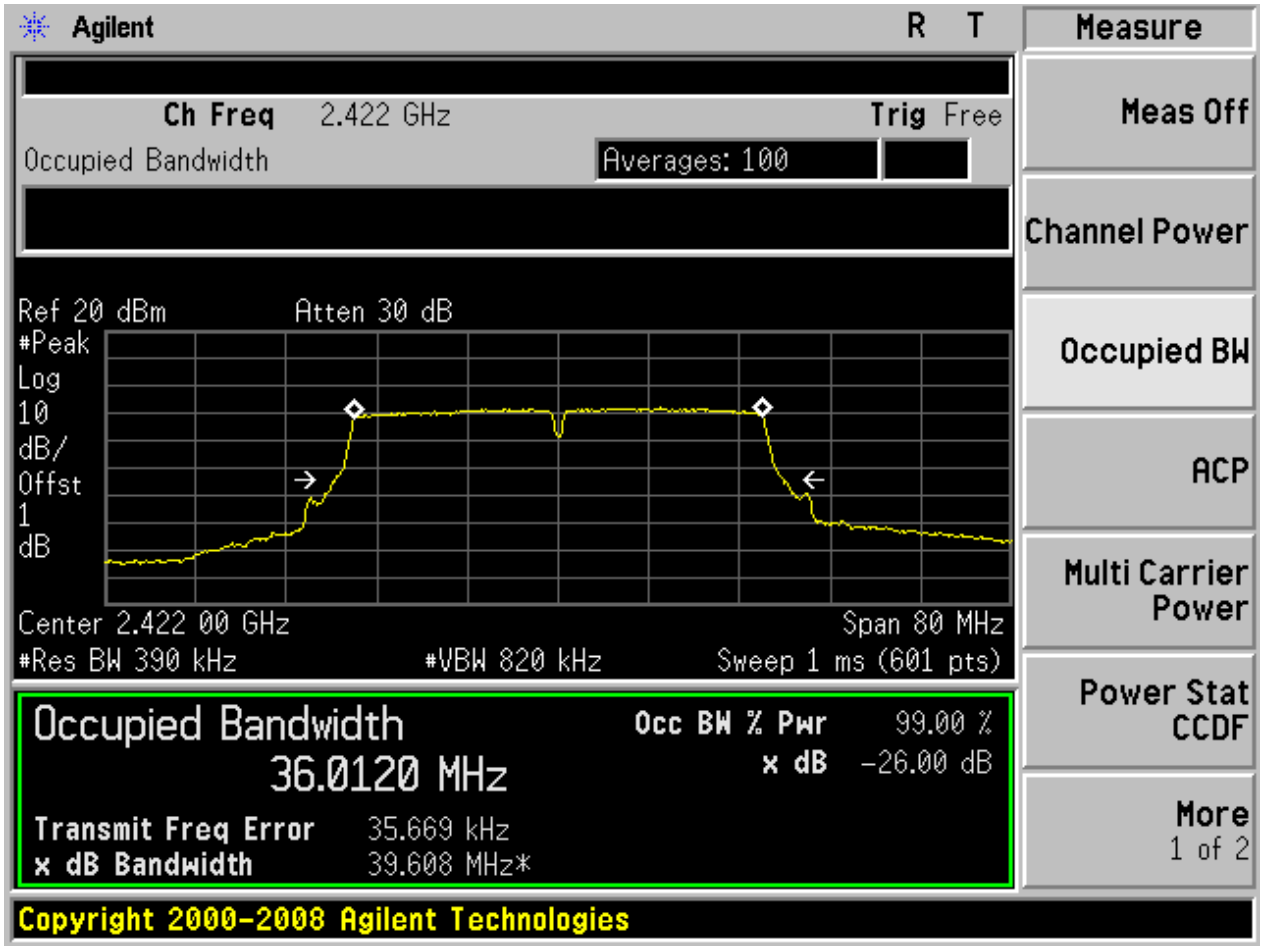

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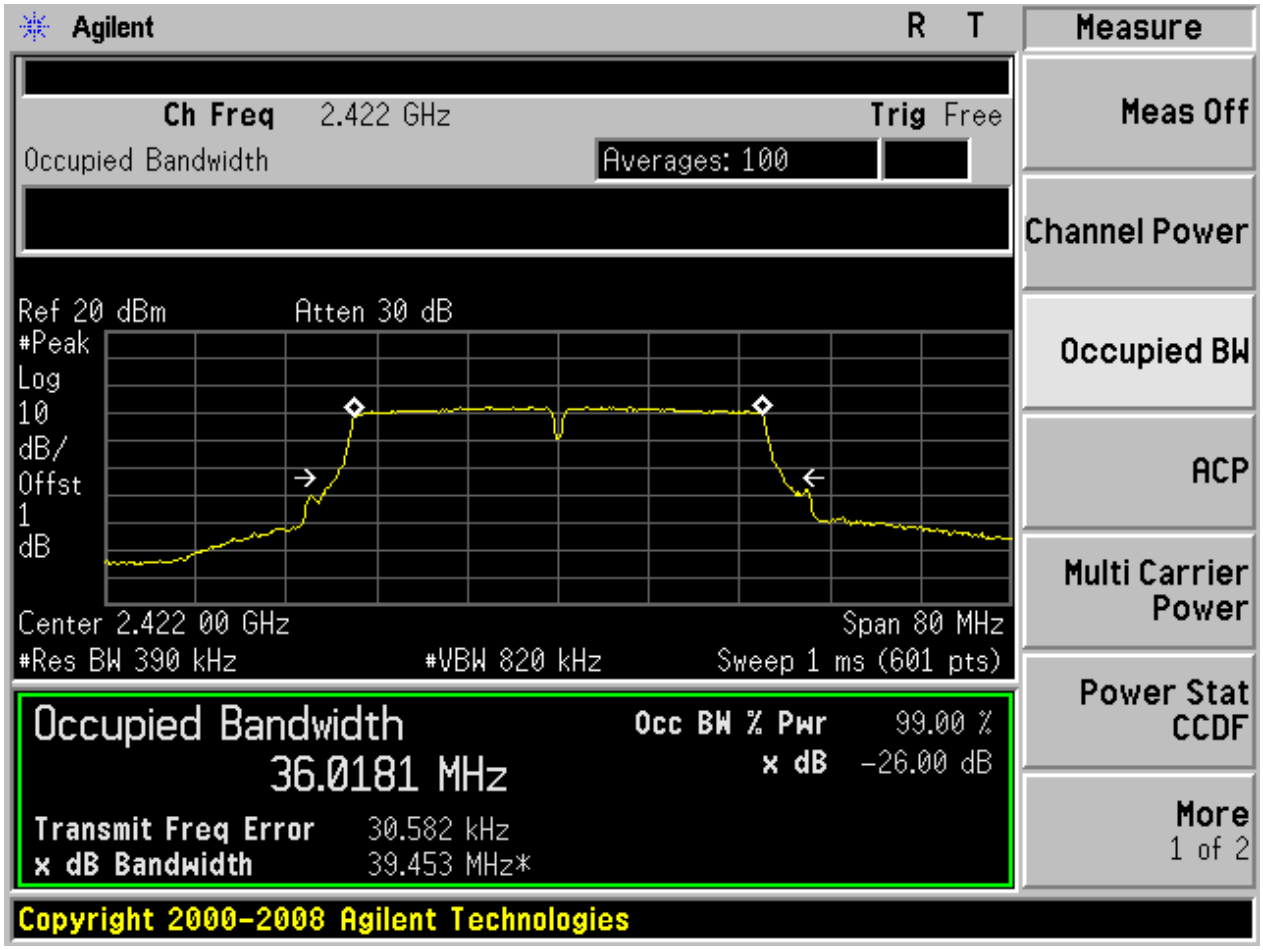
2.20 11N40_L@Ant 2



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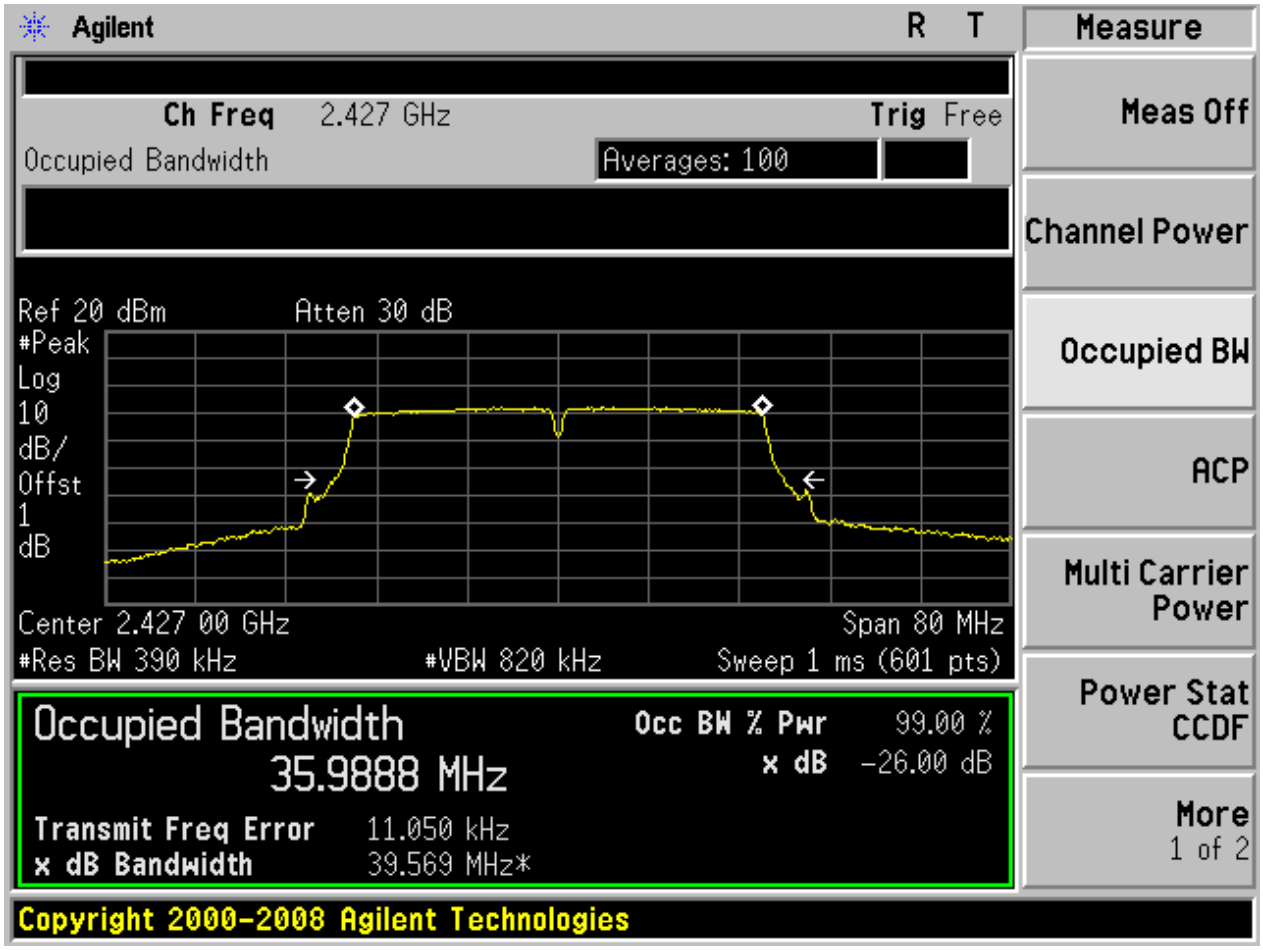
2.21 11N40_M@Ant 1



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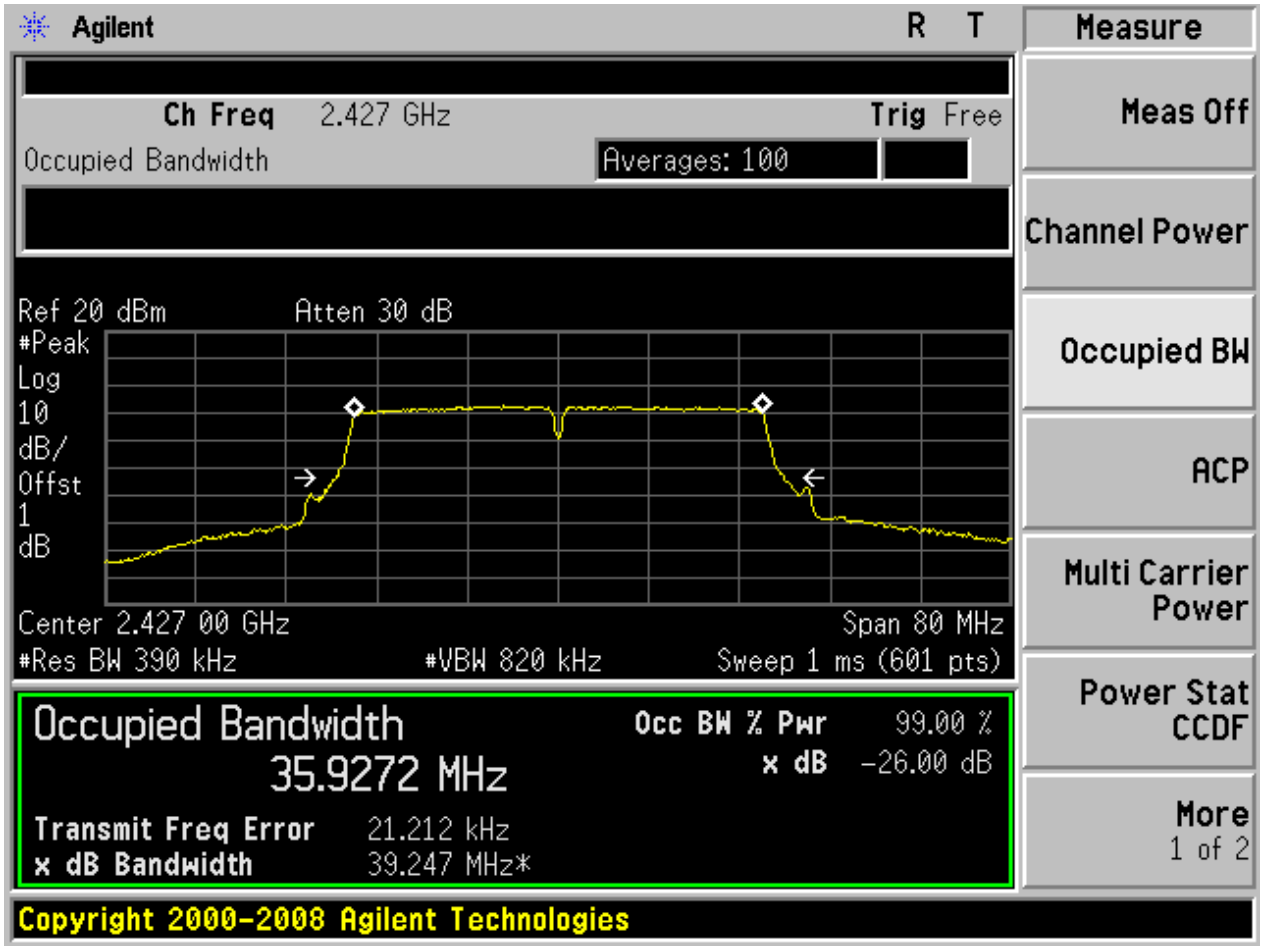
2.22 11N40_M@Ant 2



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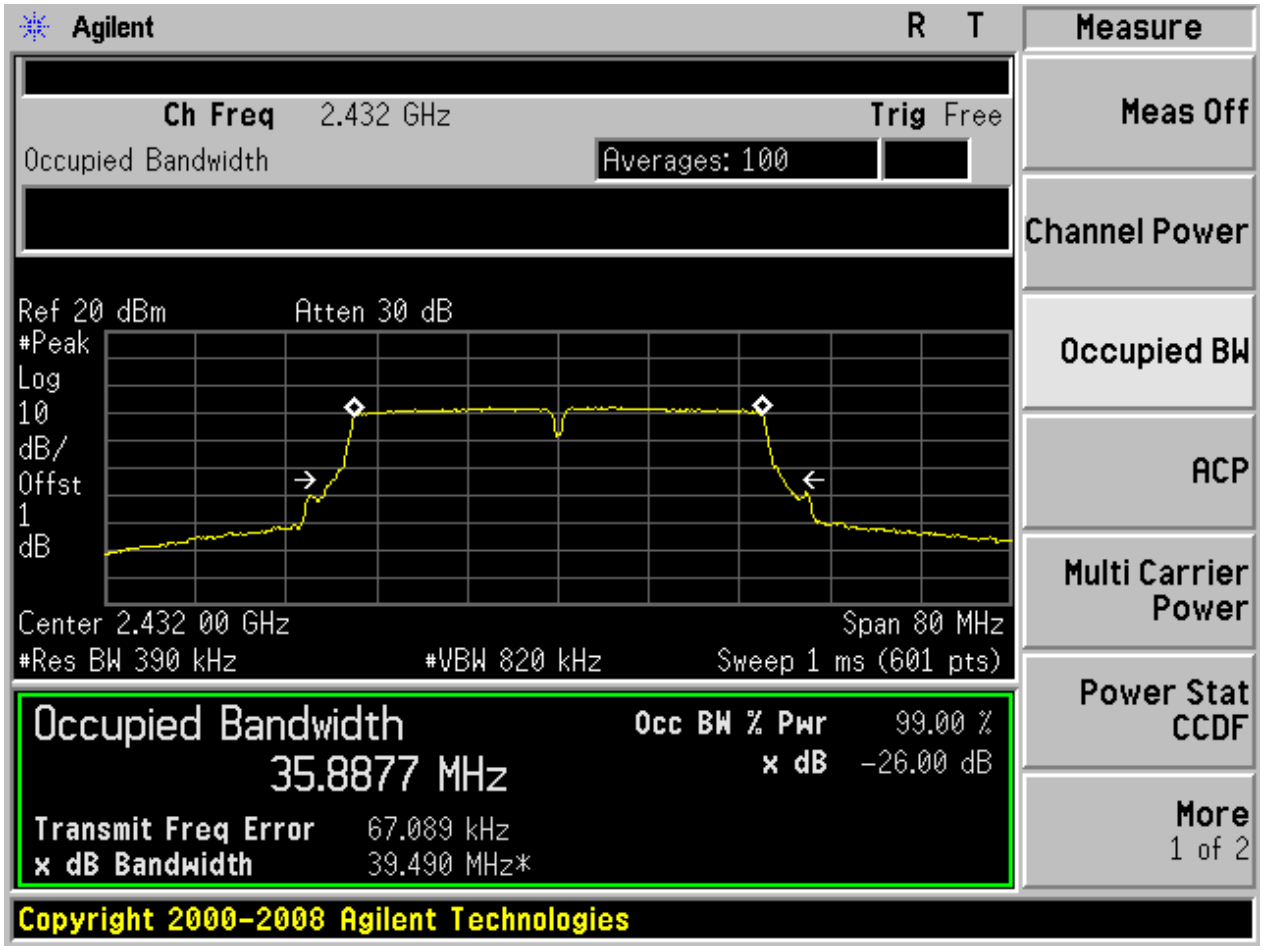
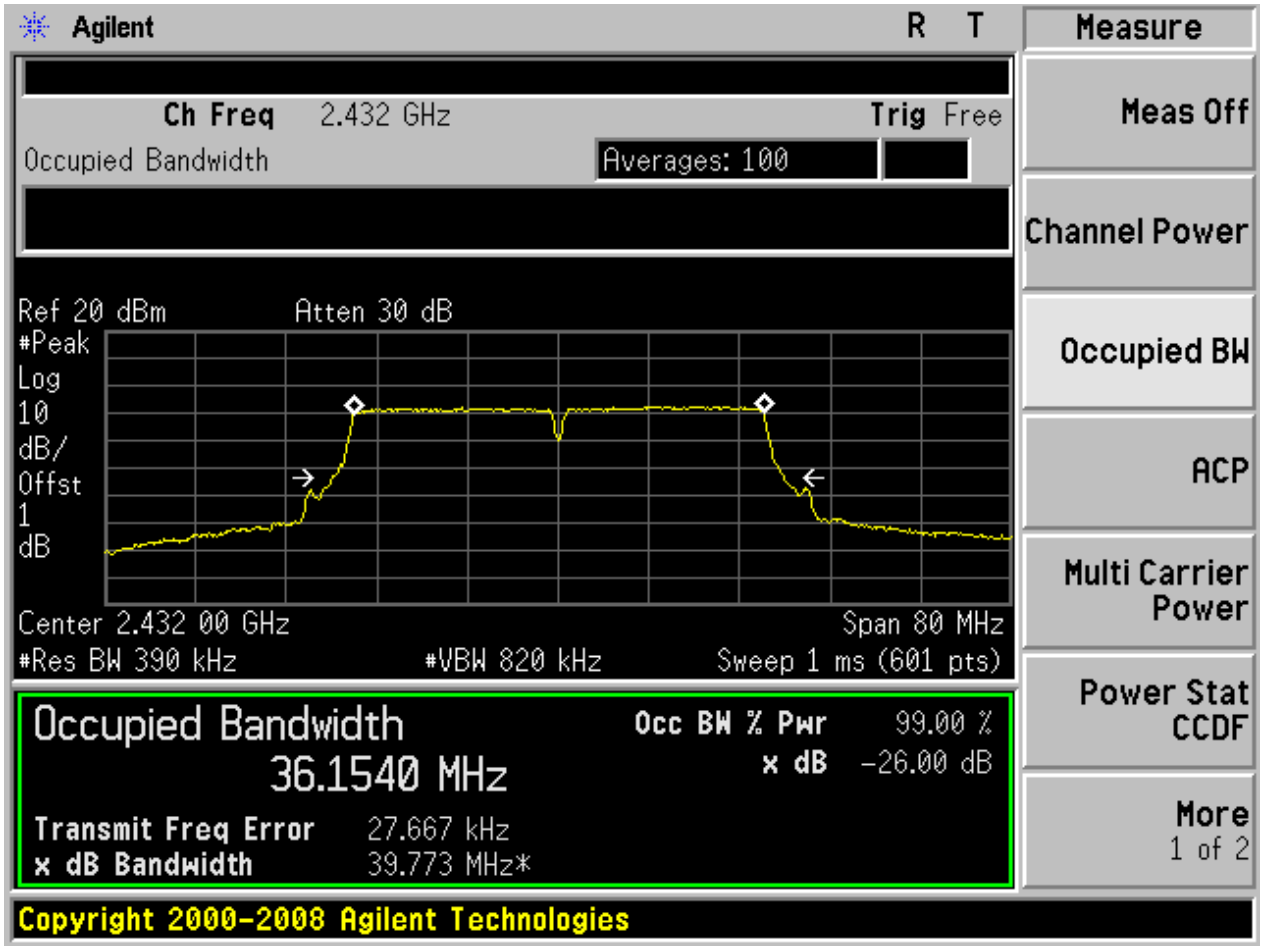
2.23 11N40_H@Ant 1



2.24 11N40_H@Ant 2



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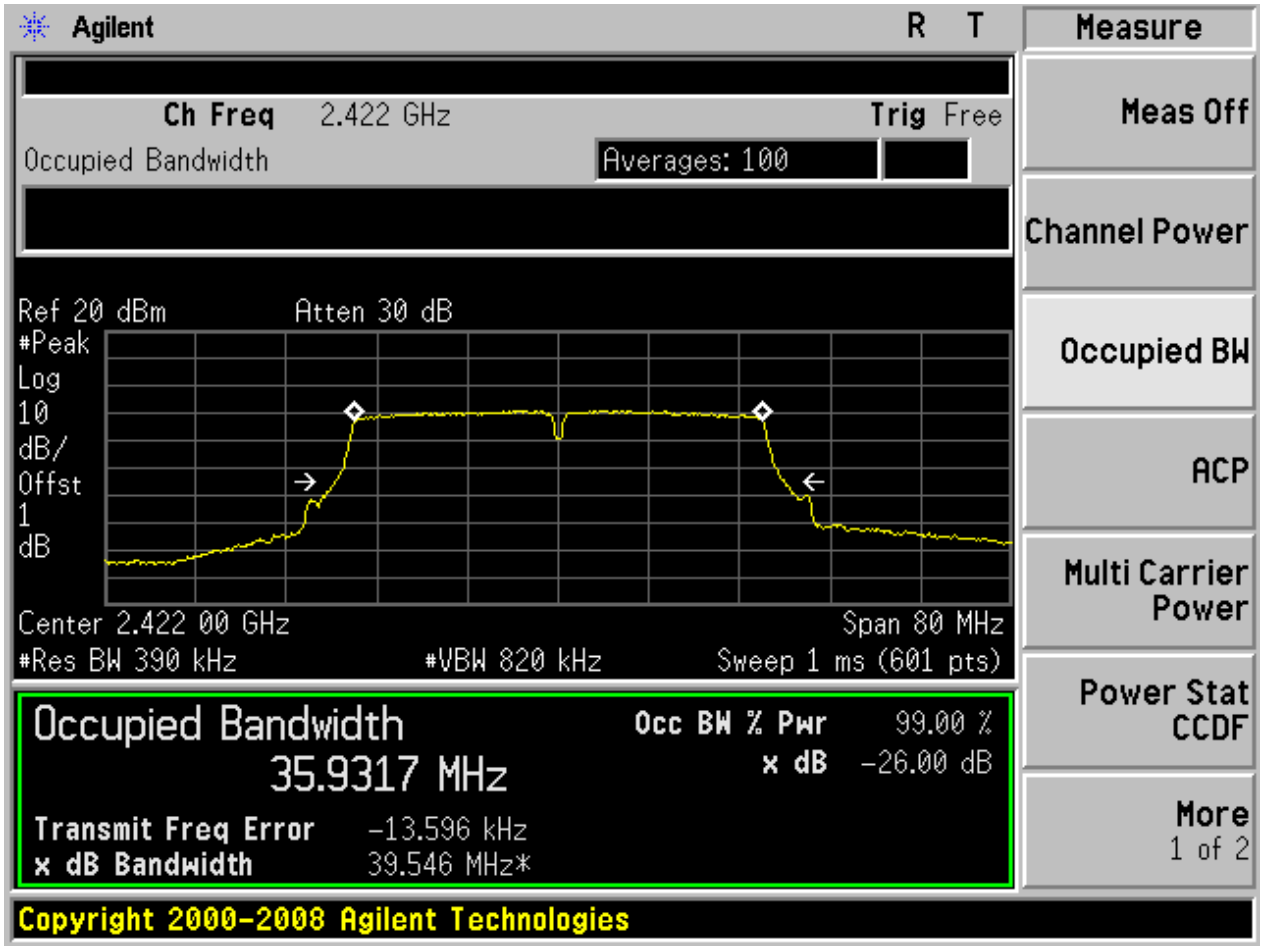
2.31 11N40m_L@Ant 1



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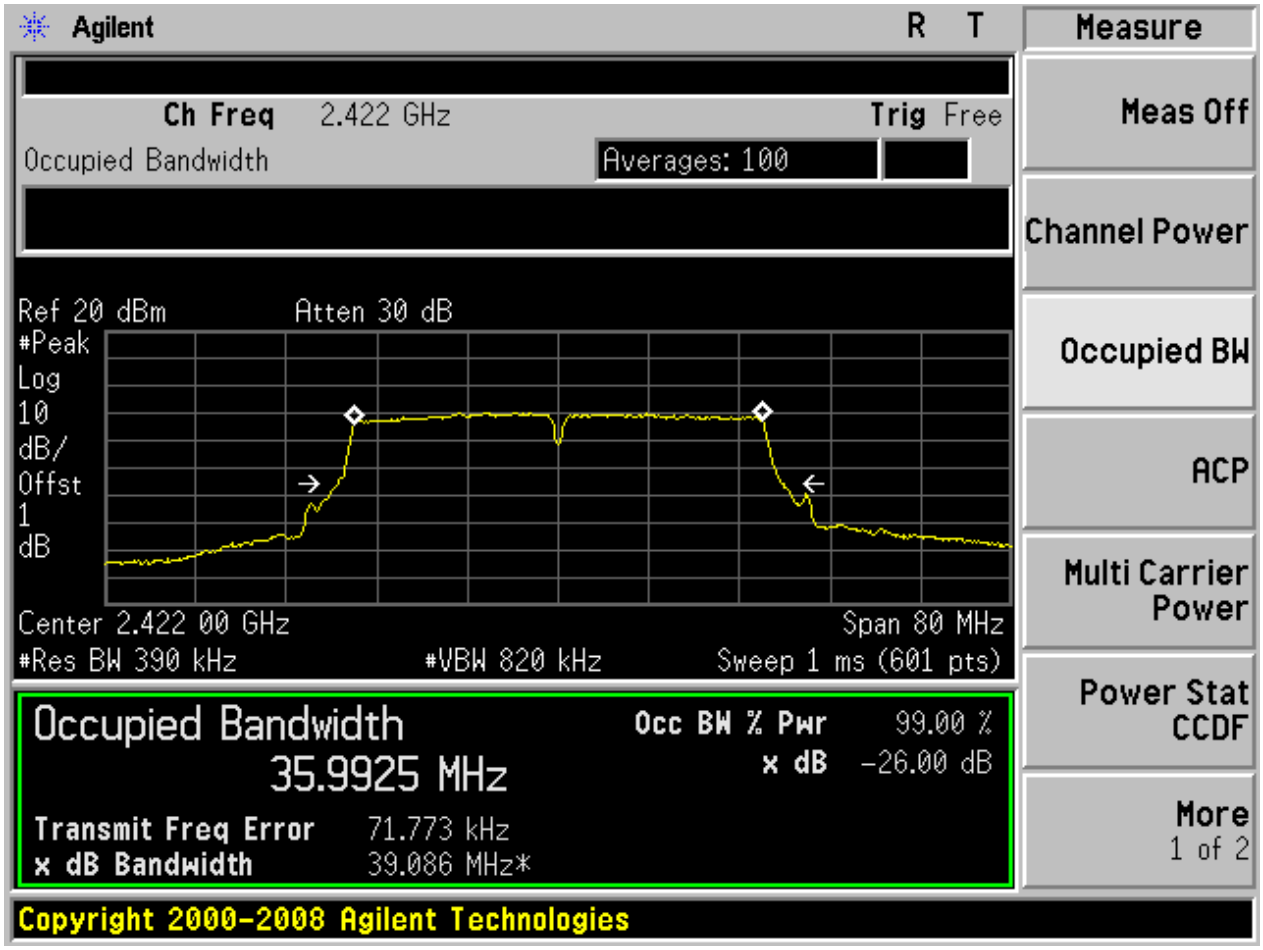
2.32 11N40m_L@Ant 2



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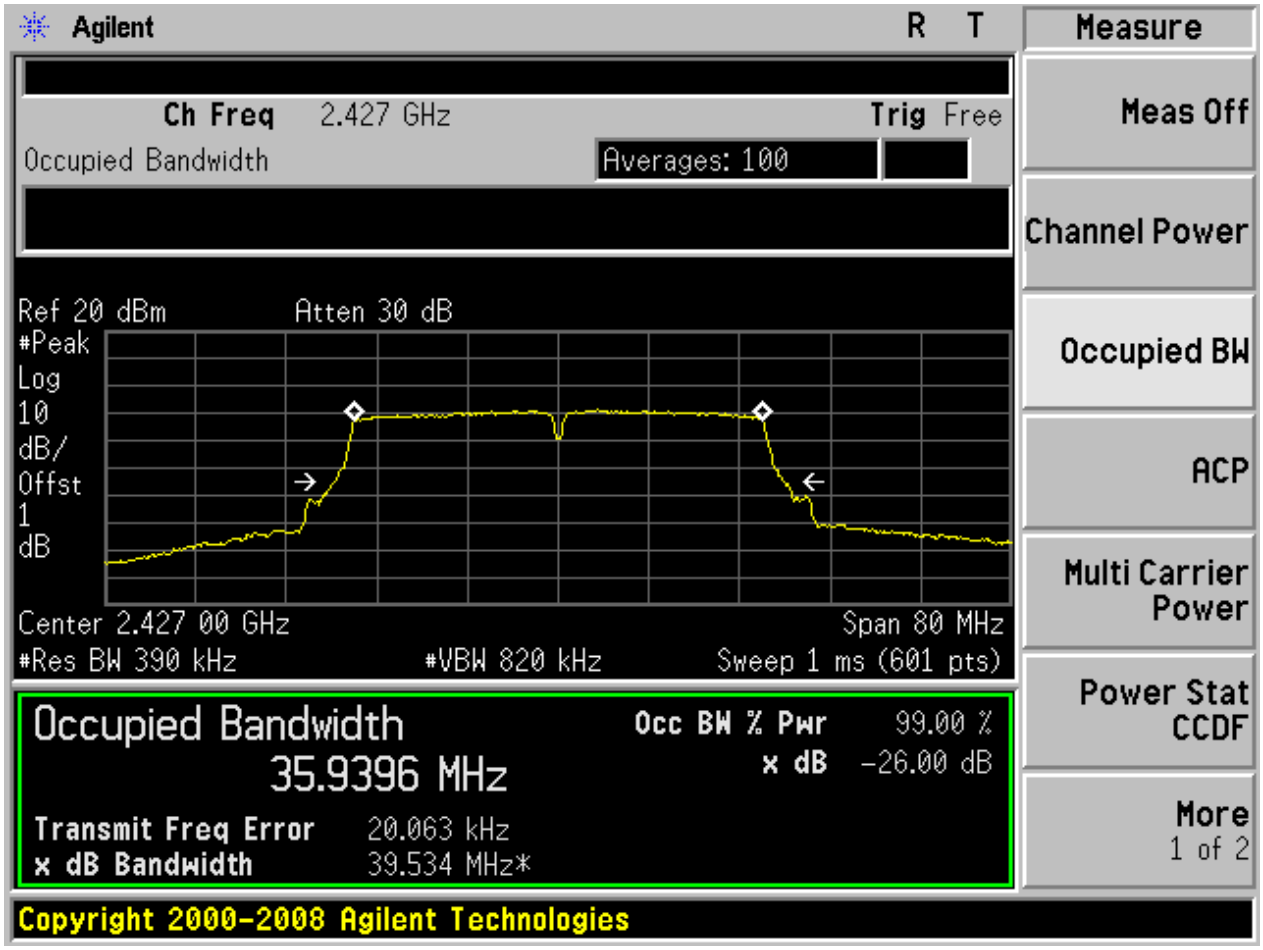
2.33 11N40m_M@Ant 1



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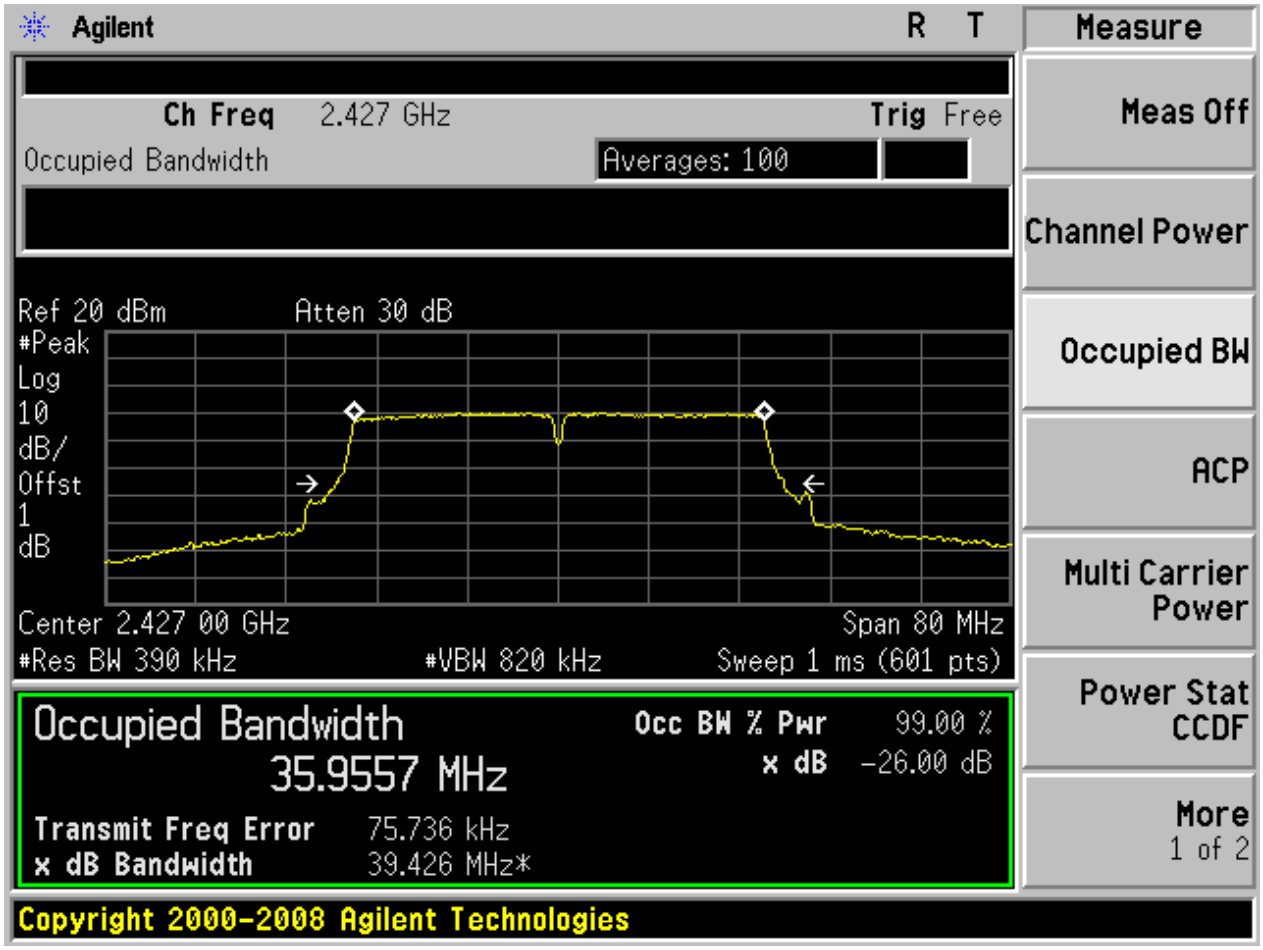
2.34 11N40m_M@Ant 2



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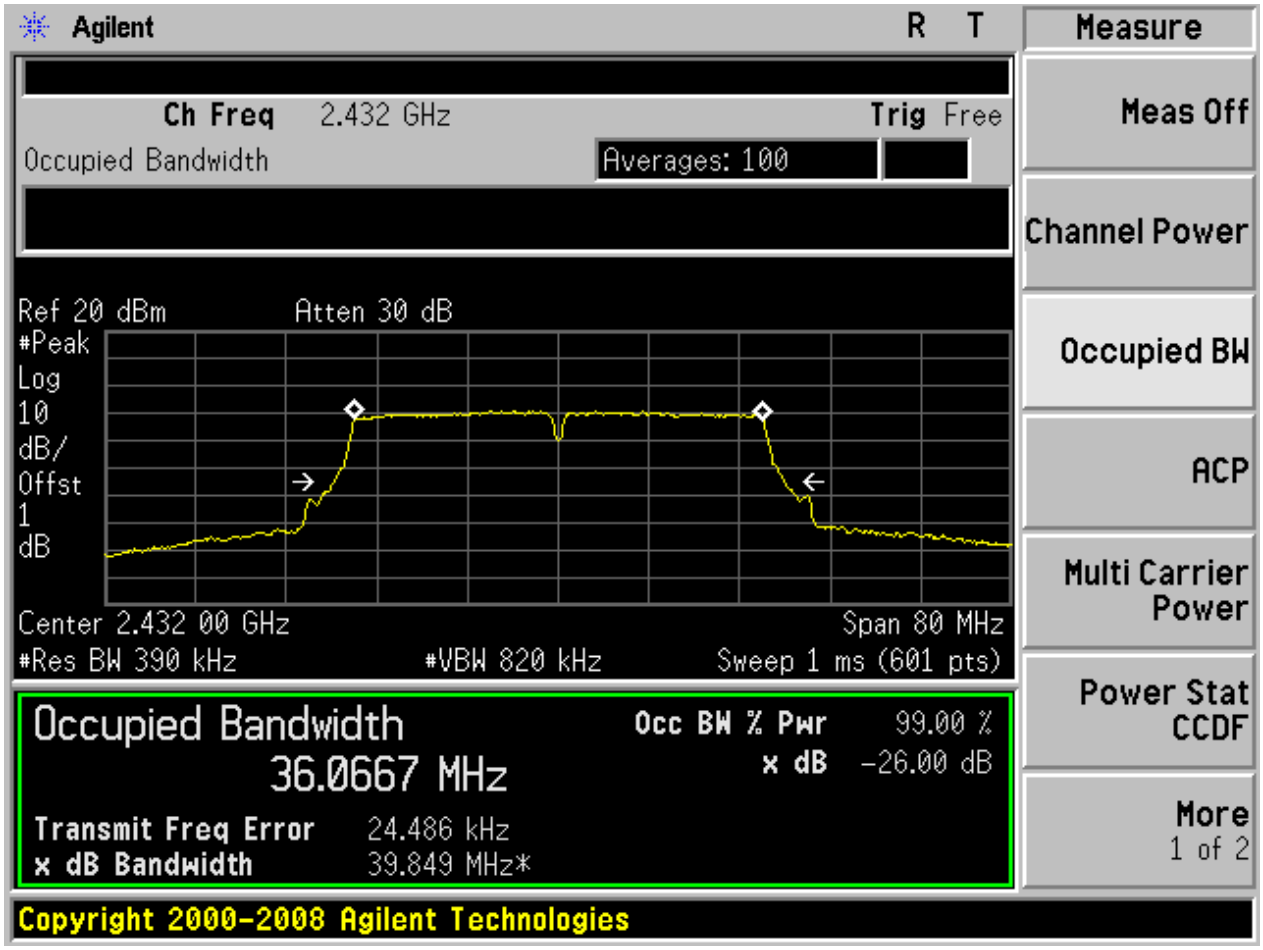
2.35 11N40m_H@Ant 1



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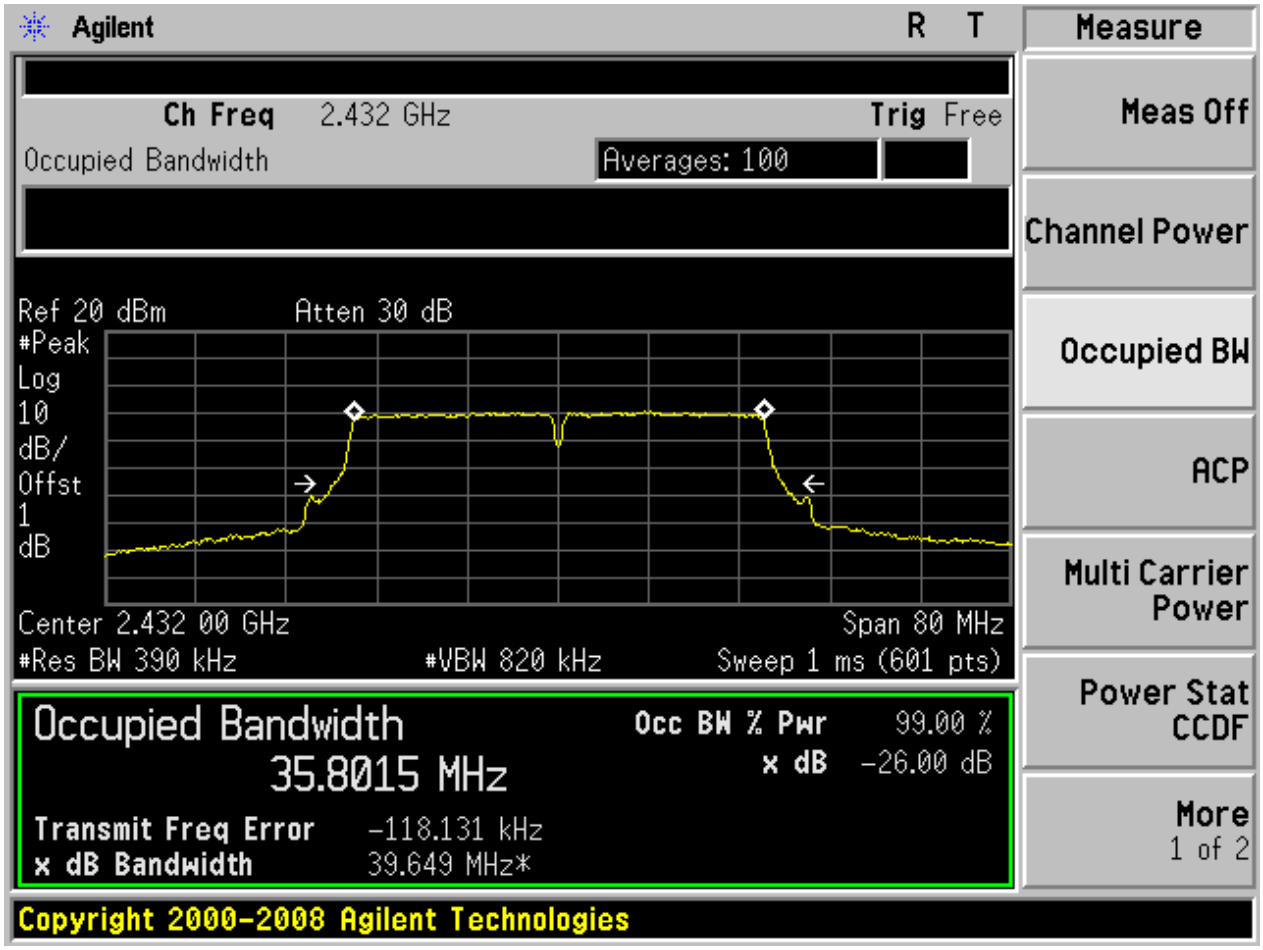
2.36 11N40m_H@Ant 2



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Appendix 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	12.39	pass
11B	L	2412	Ant 2	12.65	pass
11B	M	2427	Ant 1	12.92	pass
11B	M	2427	Ant 2	12.68	pass
11B	H	2442	Ant 1	12.44	pass
11B	H	2442	Ant 2	13.16	pass
11G	L	2412	Ant 1	9.44	pass
11G	L	2412	Ant 2	11.13	pass
11G	M	2427	Ant 1	10.11	pass
11G	M	2427	Ant 2	11.16	pass
11G	H	2442	Ant 1	10.11	pass
11G	H	2442	Ant 2	11.22	pass
11N20	L	2412	Ant 1	7.54	pass
11N20	L	2412	Ant 2	9.55	pass
11N20	M	2427	Ant 1	8.39	pass
11N20	M	2427	Ant 2	9.60	pass
11N20	H	2442	Ant 1	8.60	pass
11N20	H	2442	Ant 2	9.52	pass
11N20m	L	2412	Ant 1	7.44	---
11N20m	L	2412	Ant 2	7.87	---
11N20m_Sum	L	2412	Ant 1+ 2	10.67	pass
11N20m	M	2427	Ant 1	7.90	---
11N20m	M	2427	Ant 2	6.71	---
11N20m_Sum	M	2427	Ant 1+ 2	10.36	pass
11N20m	H	2442	Ant 1	7.84	---
11N20m	H	2442	Ant 2	7.27	---
11N20m_Sum	H	2442	Ant 1+ 2	10.57	pass
11N40	L	2422	Ant 1	8.10	pass
11N40	L	2422	Ant 2	8.66	pass
11N40	M	2427	Ant 1	8.70	pass
11N40	M	2427	Ant 2	8.94	pass
11N40	H	2432	Ant 1	8.62	pass
11N40	H	2432	Ant 2	8.97	pass
11N40m	L	2422	Ant 1	7.90	---
11N40m	L	2422	Ant 2	6.90	---

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11N40m_Sum	L	2422	Ant 1+ 2	10.44	pass
11N40m	M	2427	Ant 1	7.90	---
11N40m	M	2427	Ant 2	7.24	---
11N40m_Sum	M	2427	Ant 1+ 2	10.59	pass
11N40m	H	2432	Ant 1	7.84	---
11N40m	H	2432	Ant 2	7.53	---
11N40m_Sum	H	2432	Ant 1+ 2	10.70	pass

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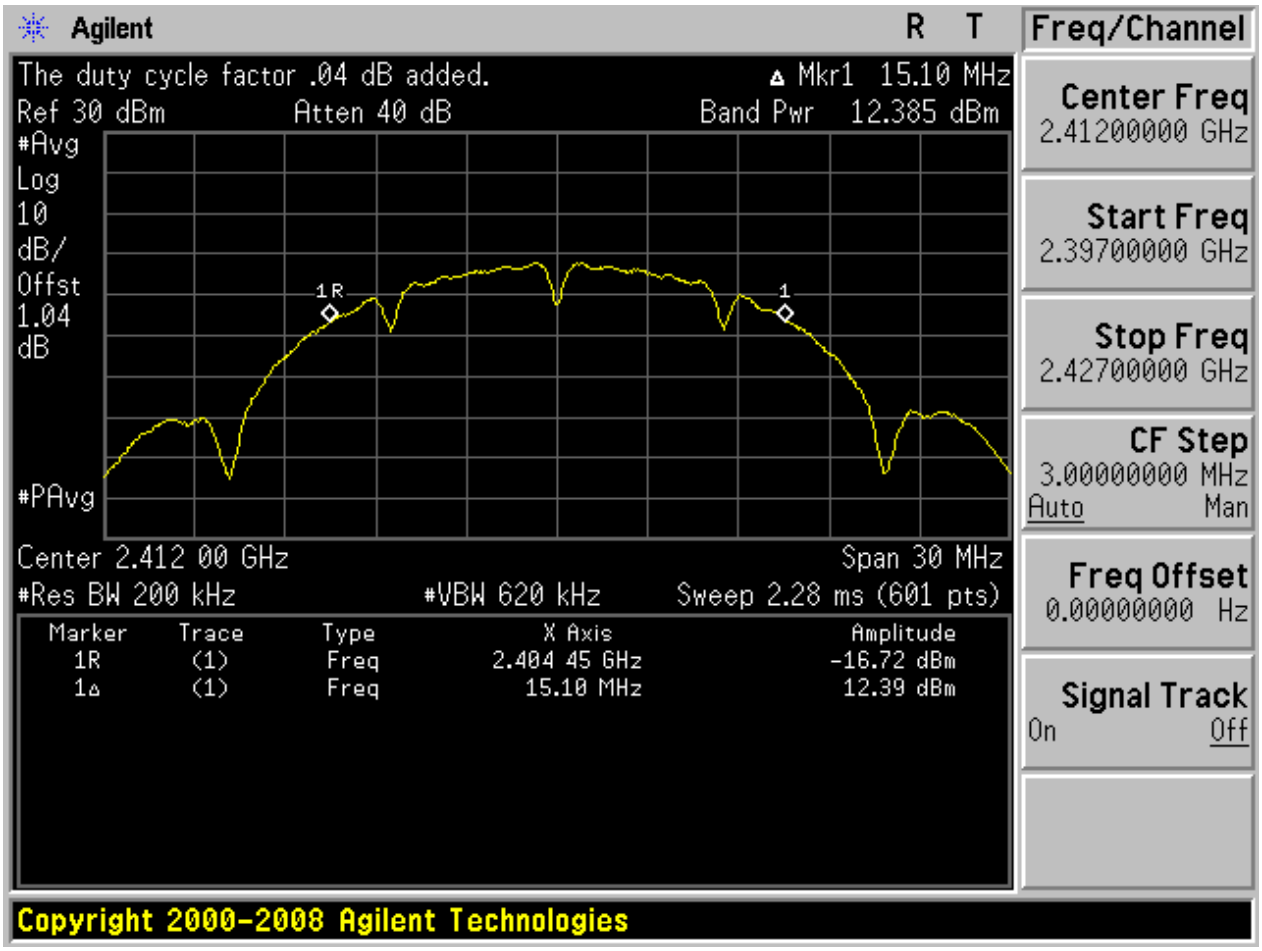
Part II - Test Plots

2.1 11B_L@Ant 1



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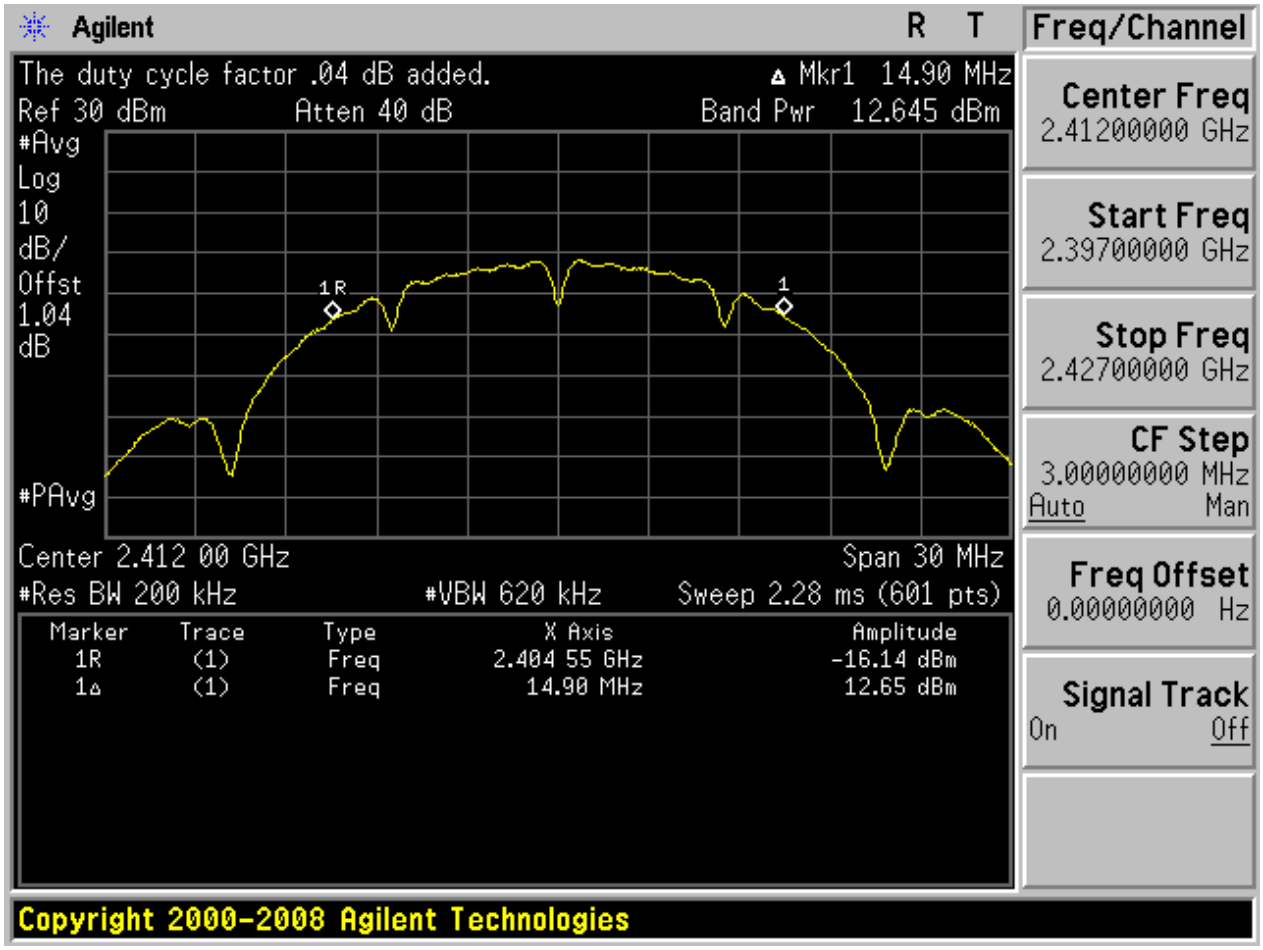

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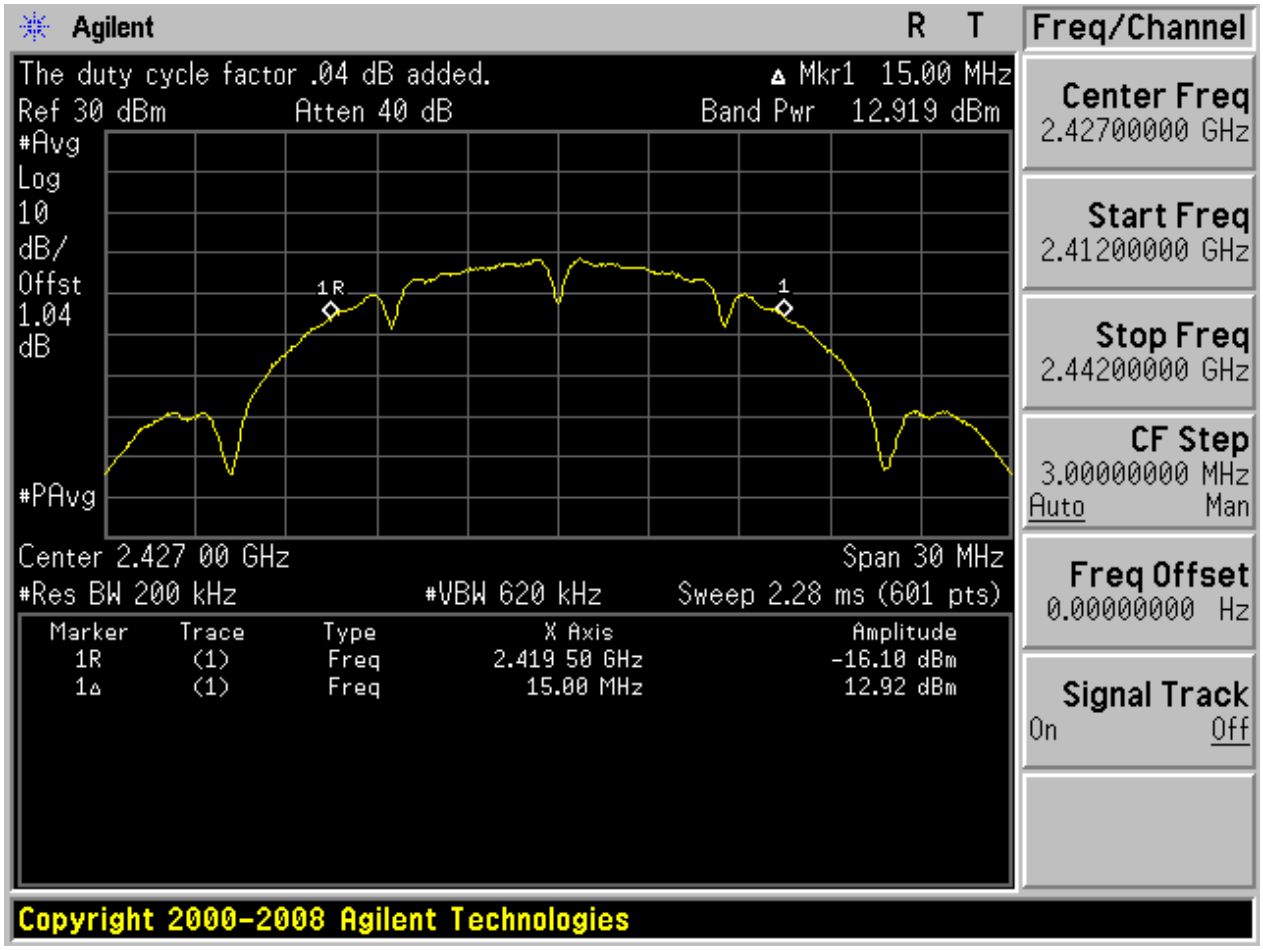

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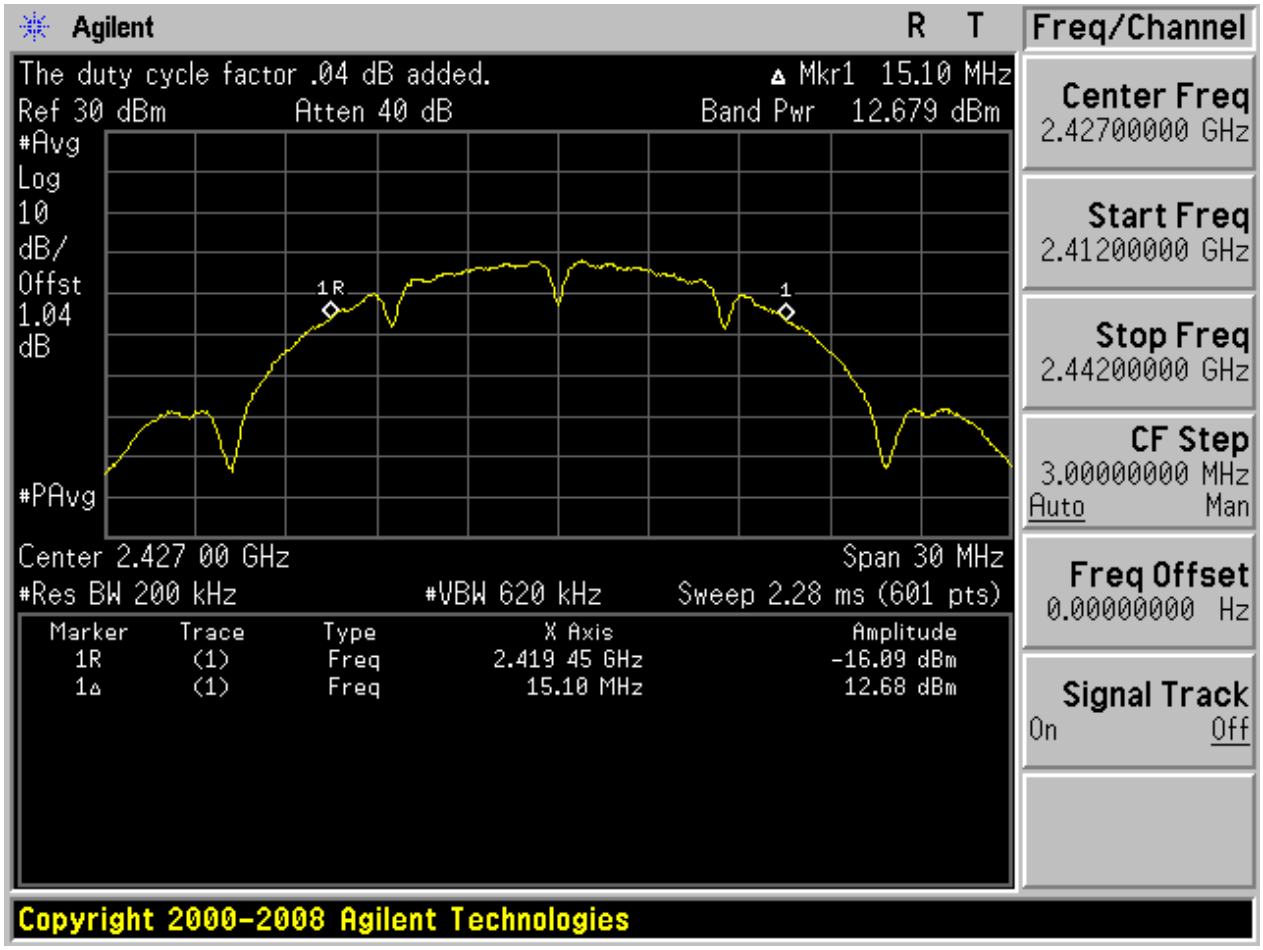

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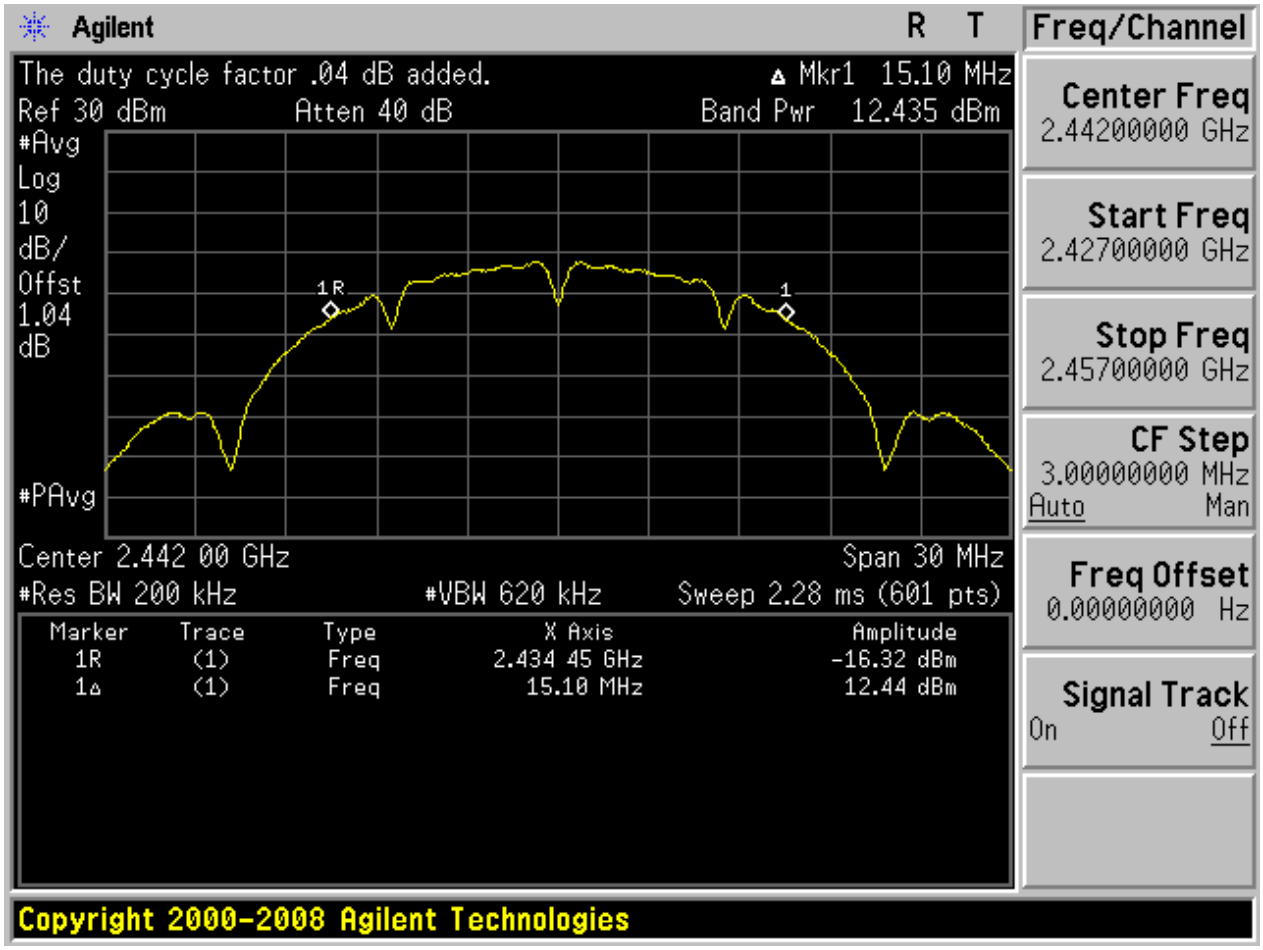
2.5 11B_H@Ant 1



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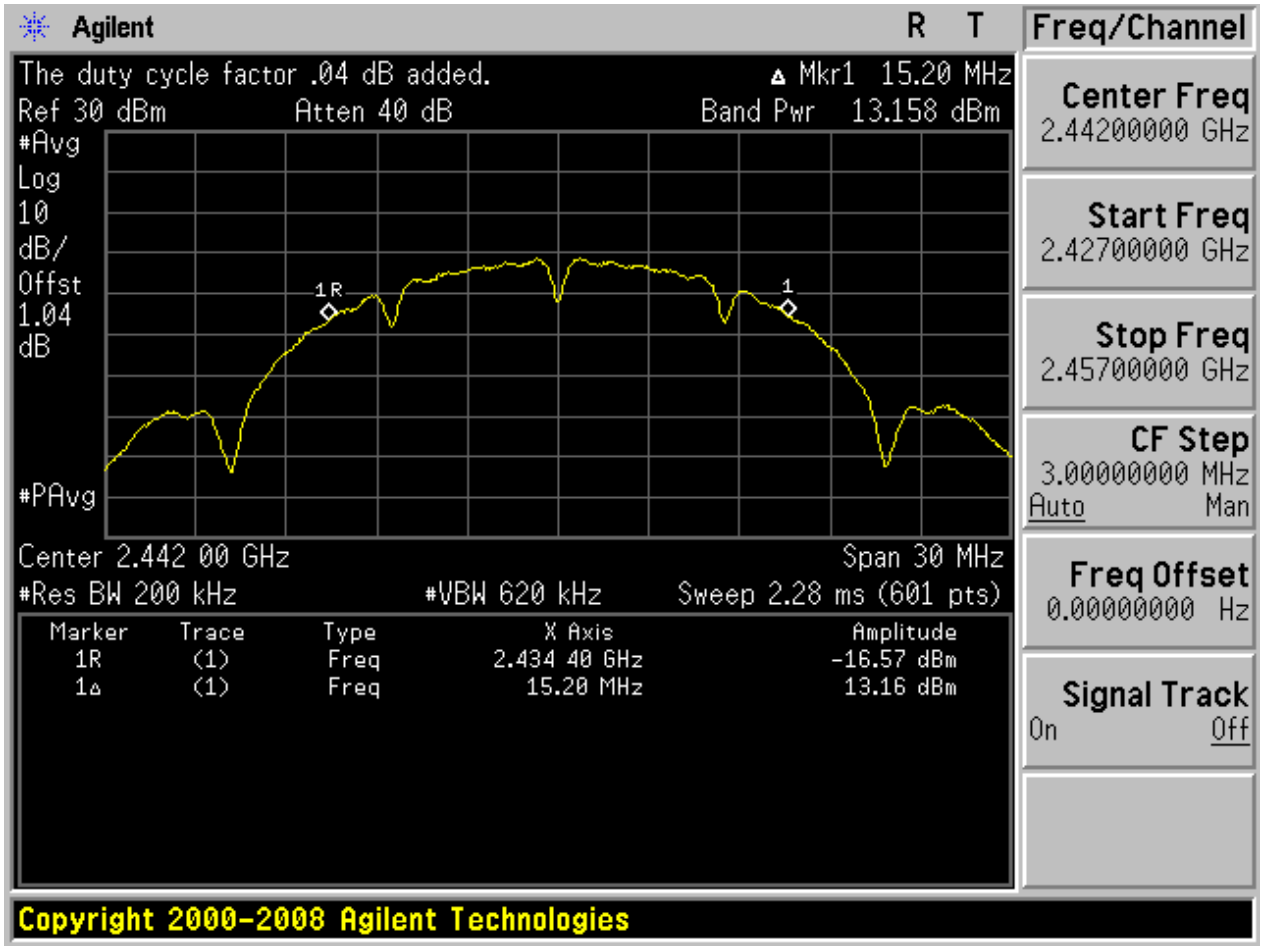
2.6 11B_H@Ant 2



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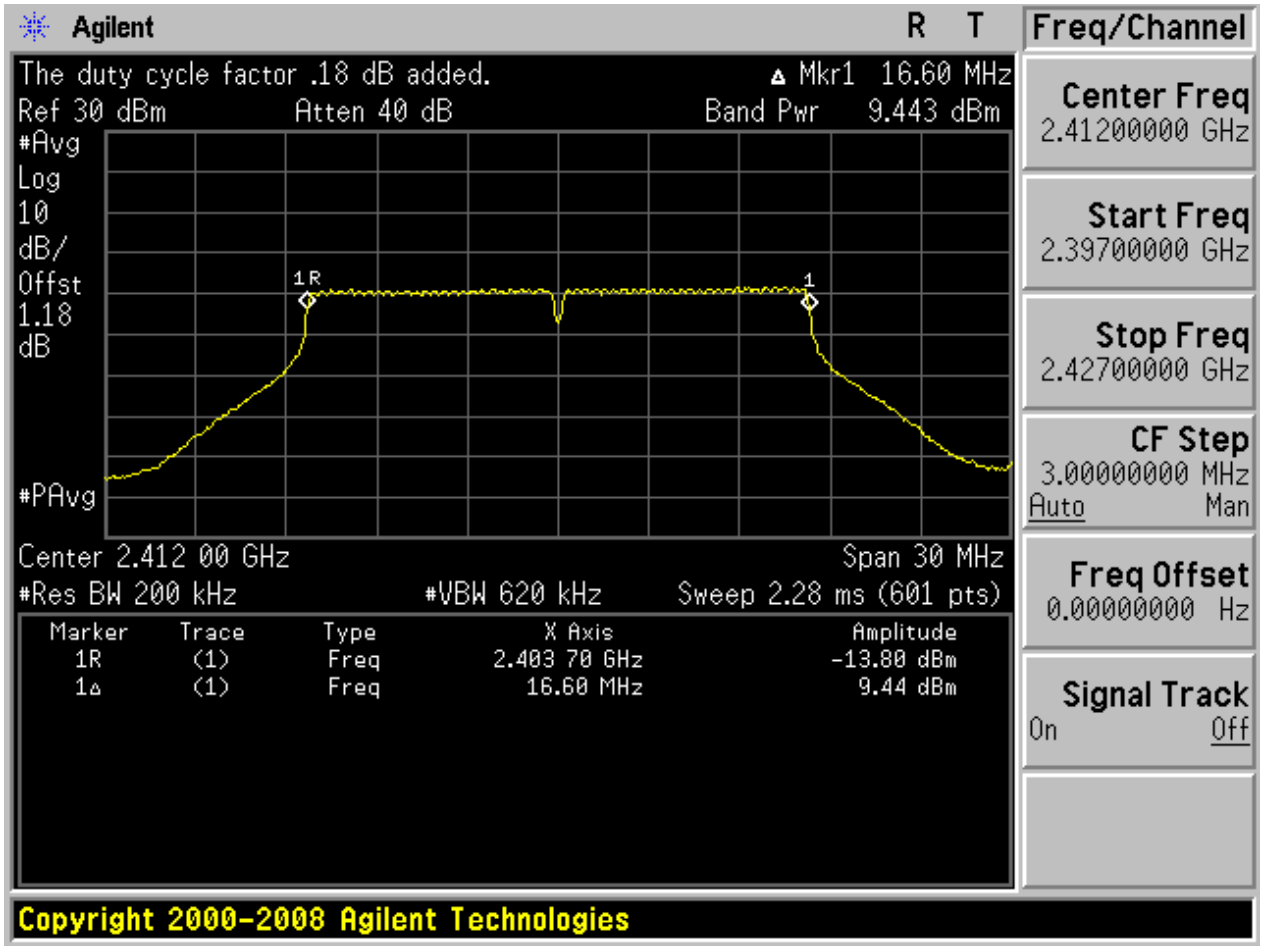
2.7 11G_L@Ant 1



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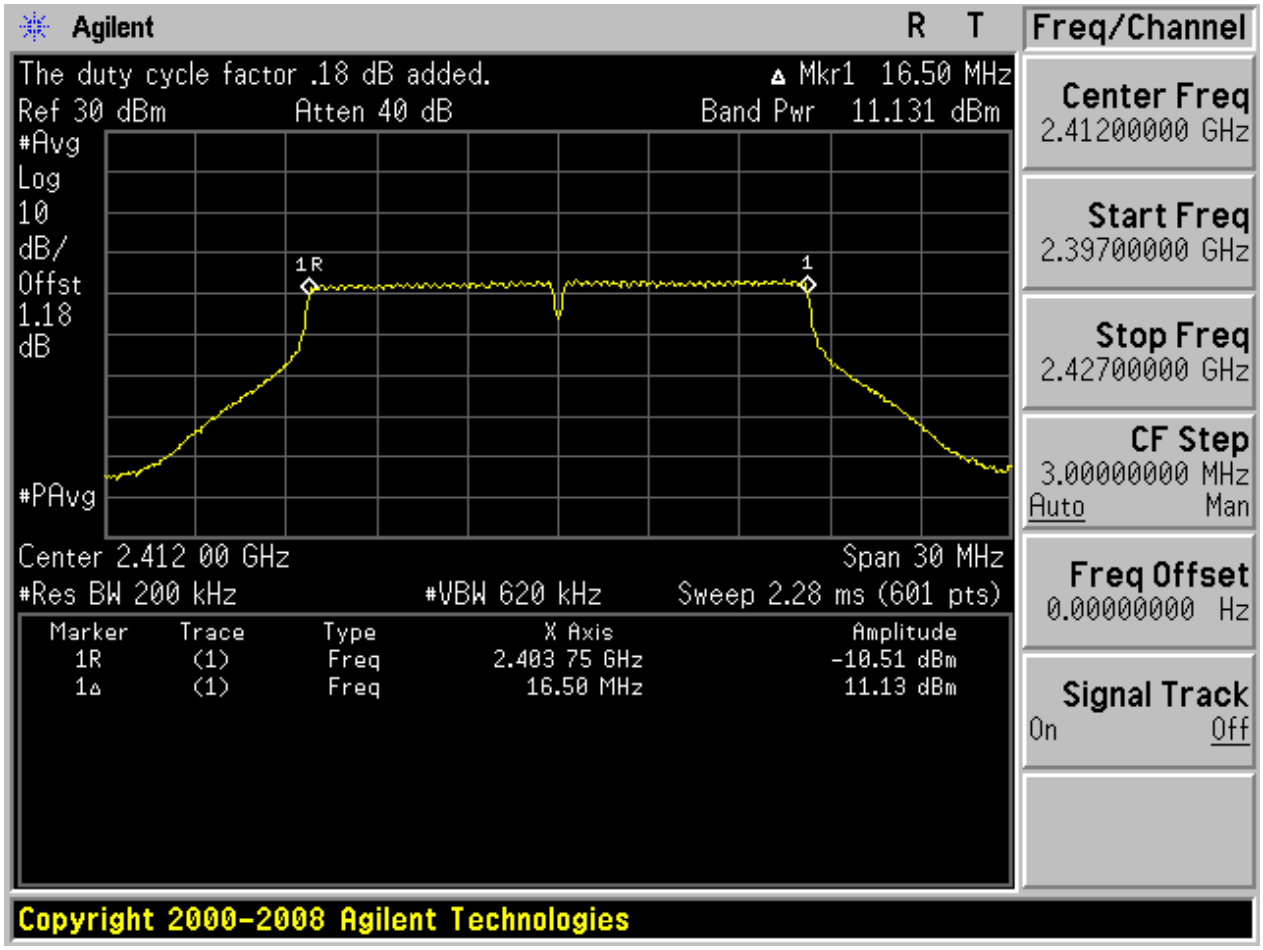

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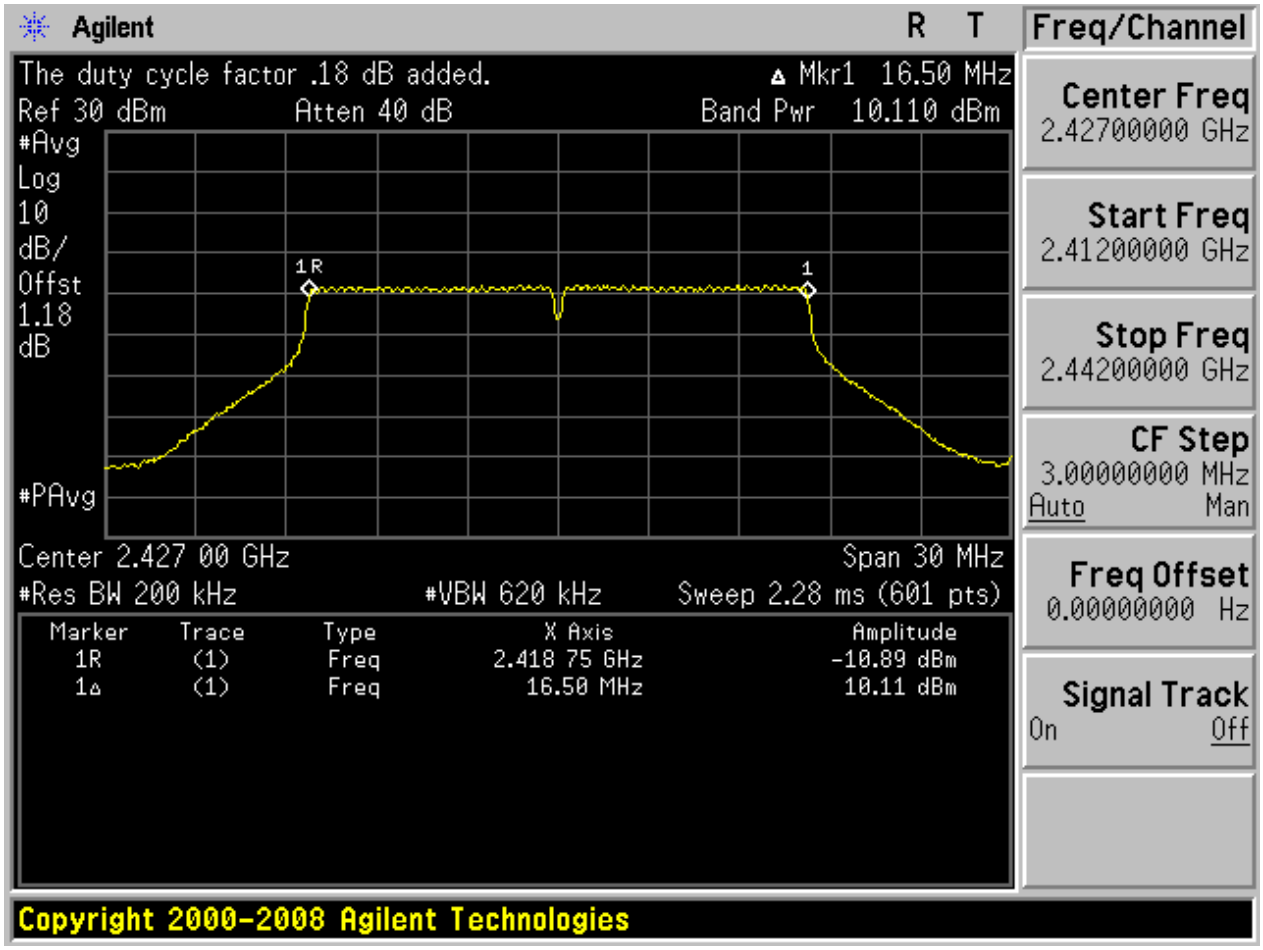
2.9 11G_M@Ant 1



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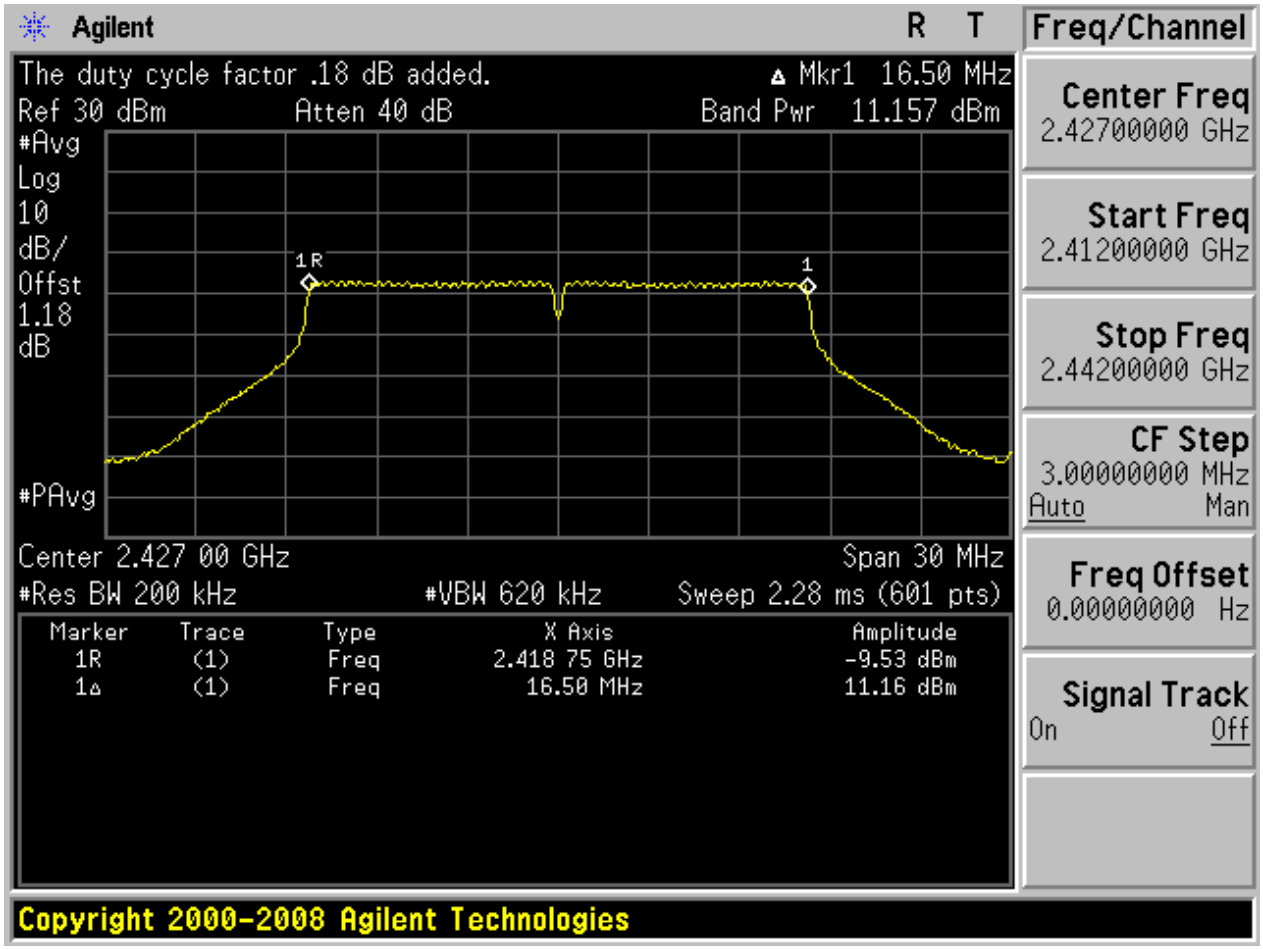

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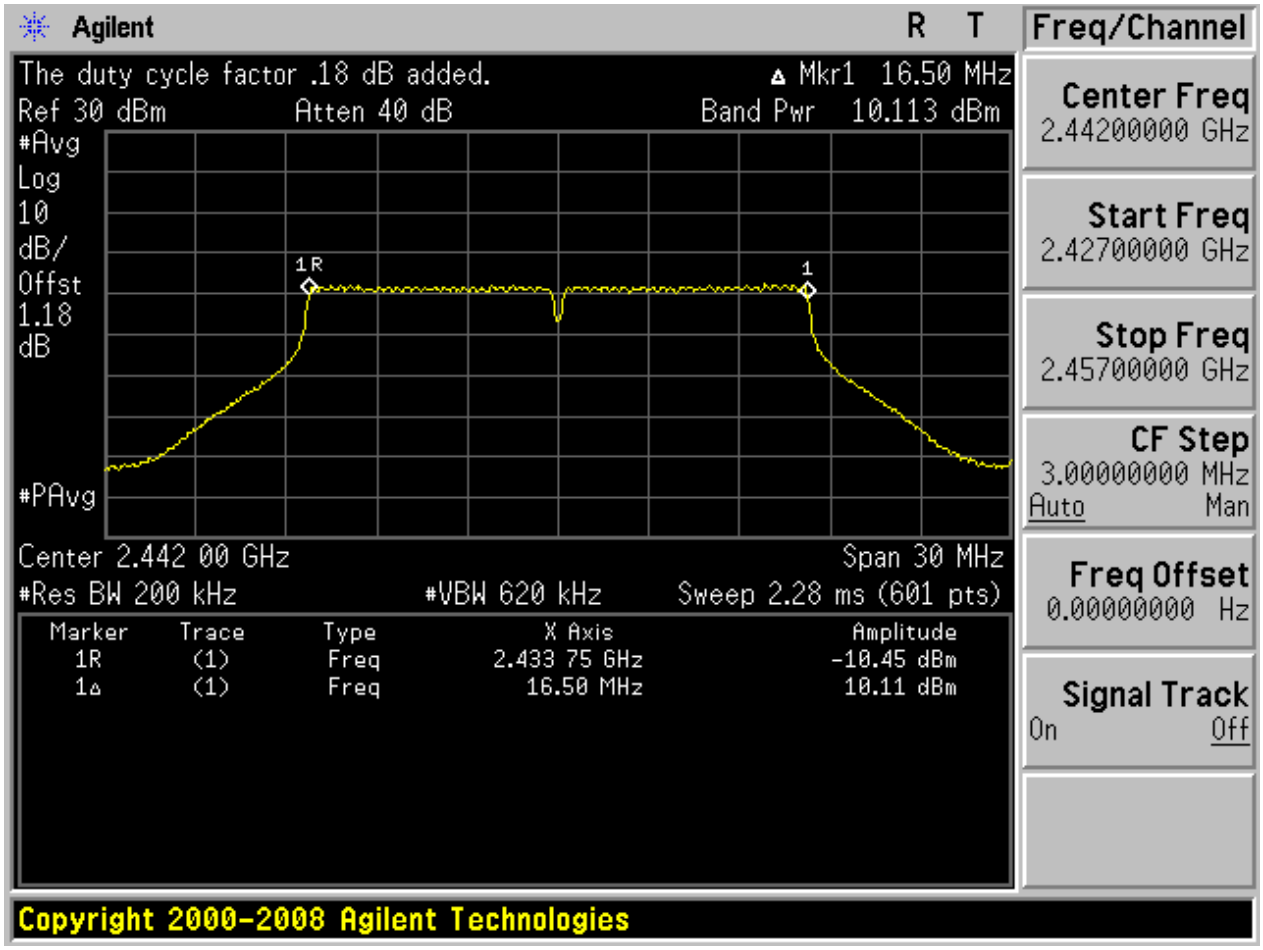

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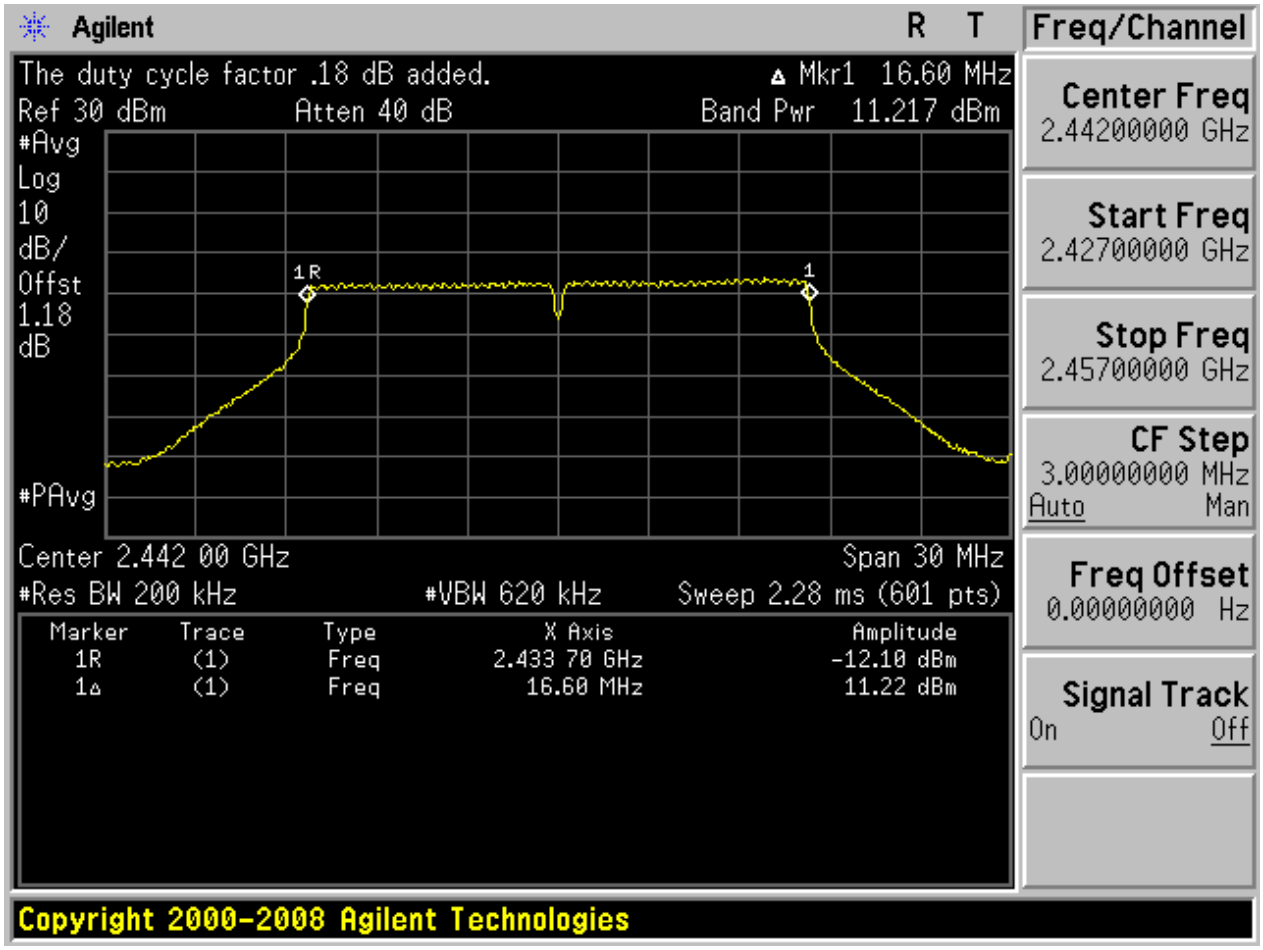

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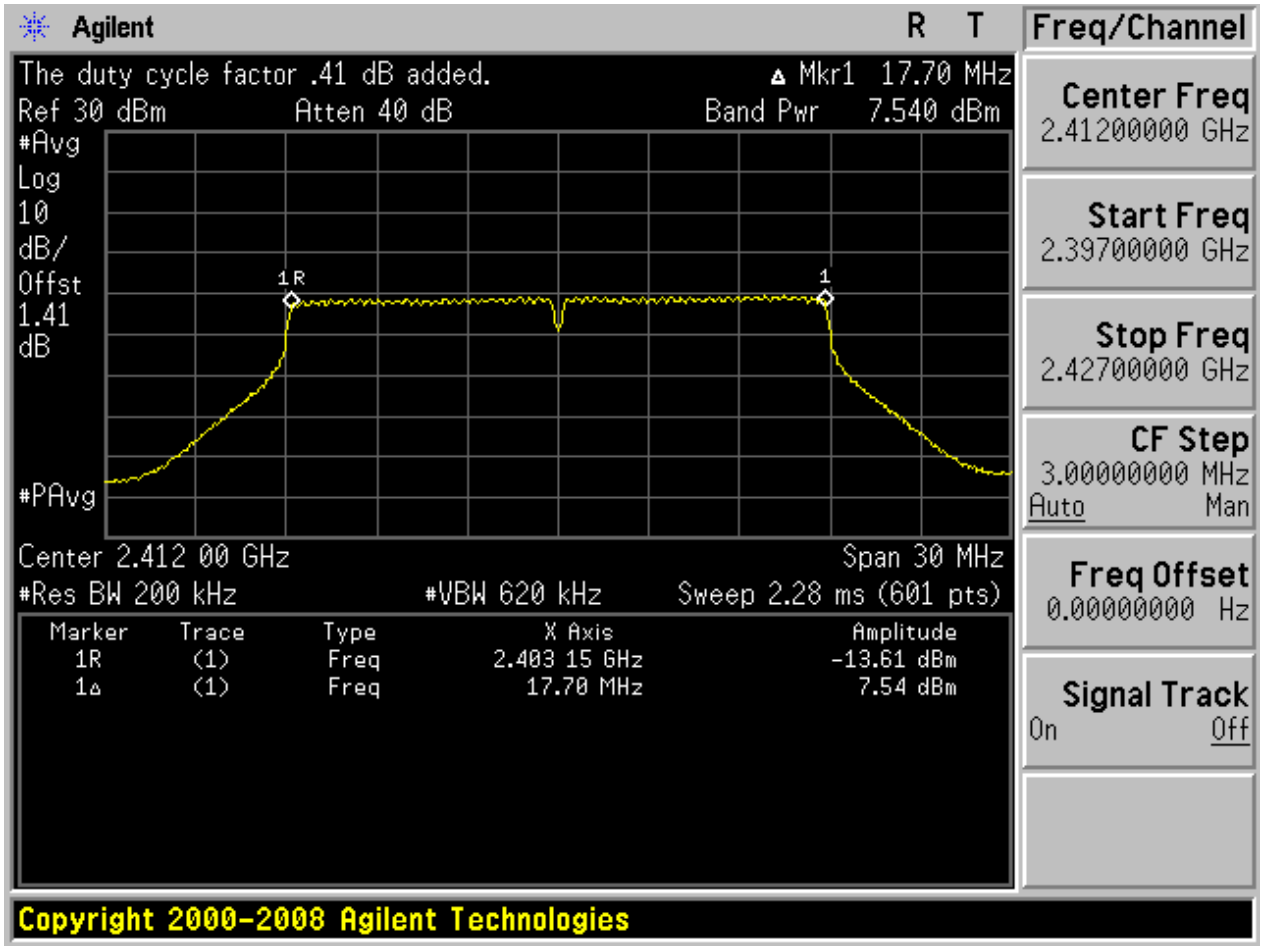

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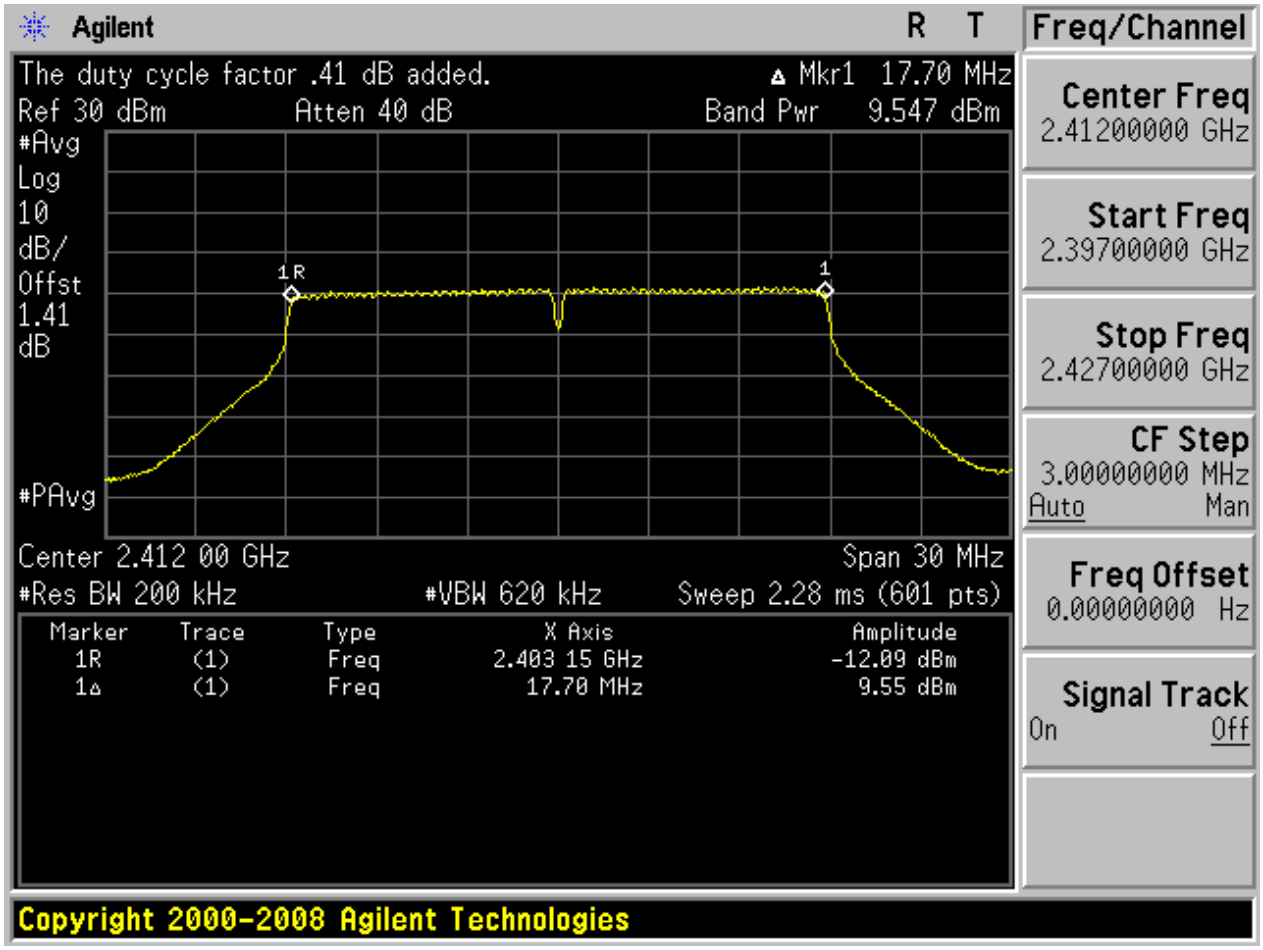

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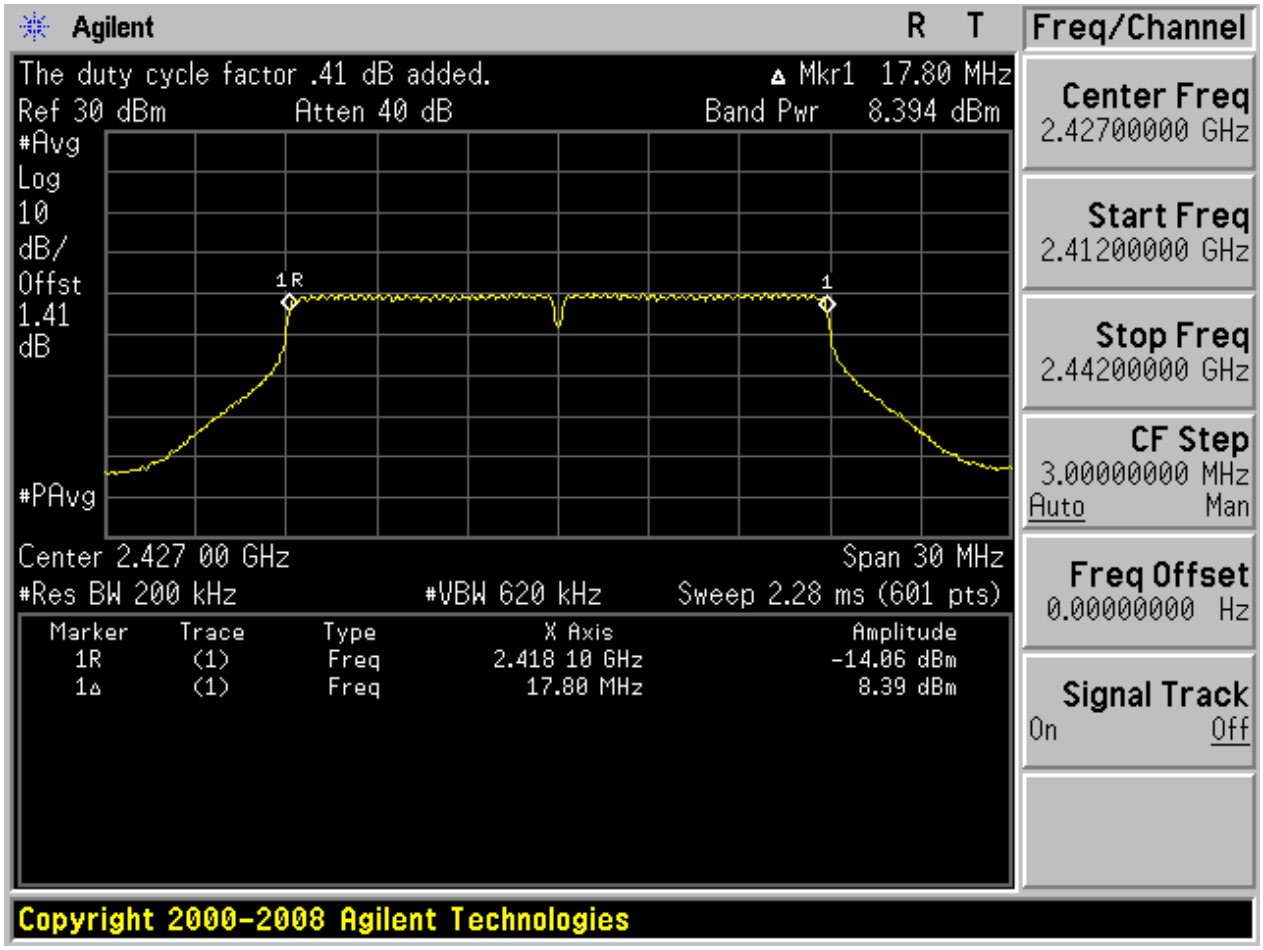

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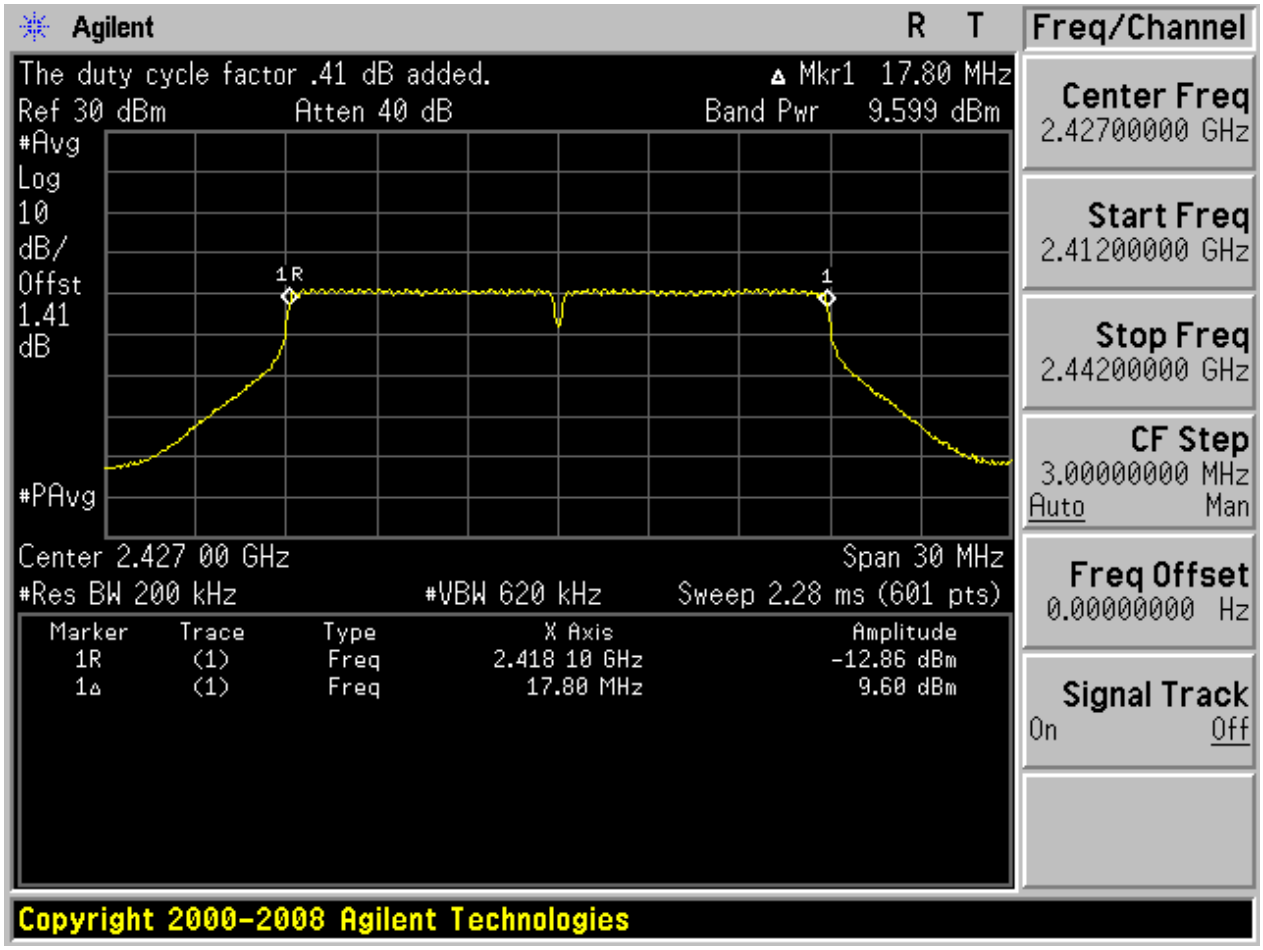

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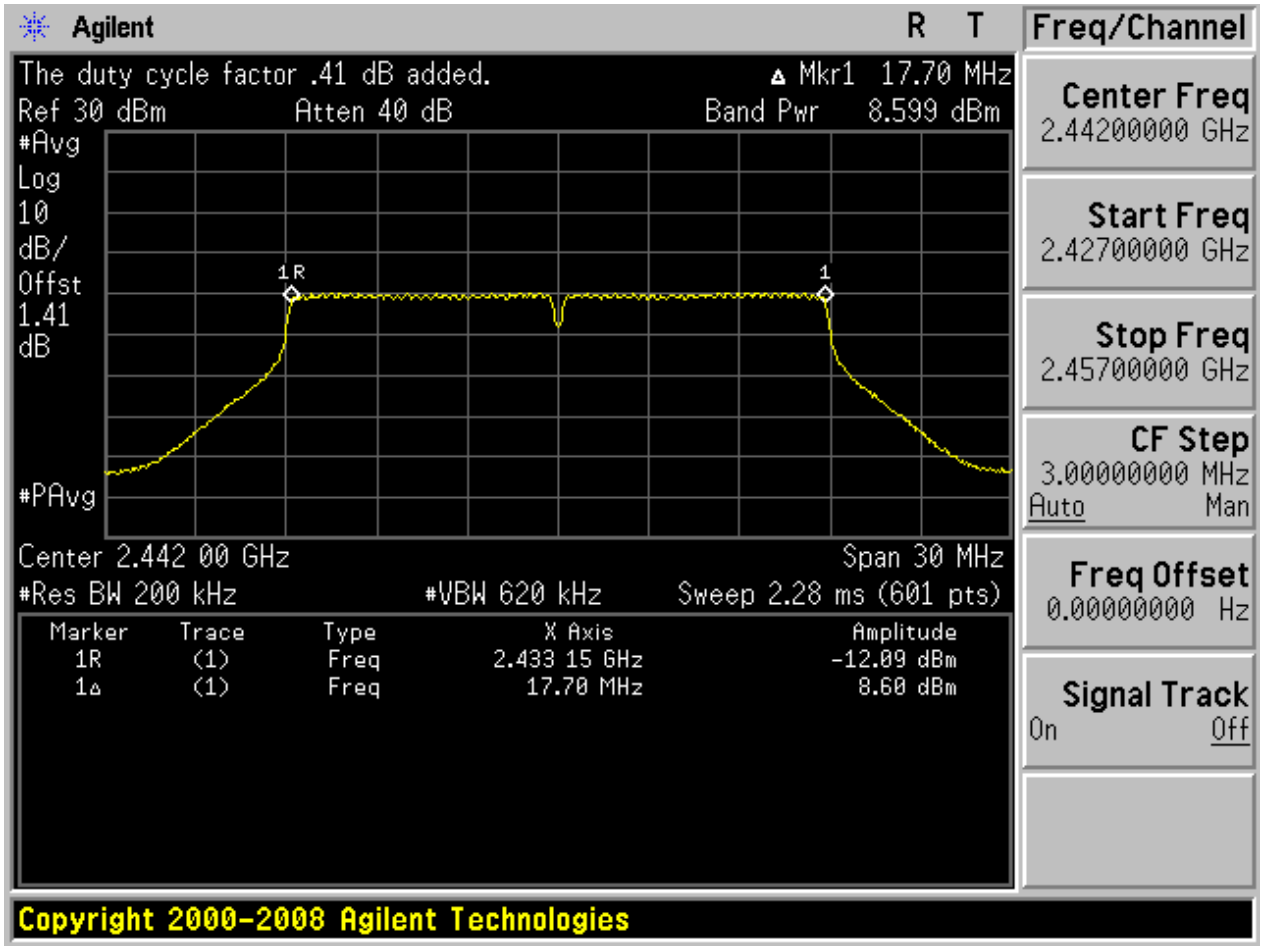

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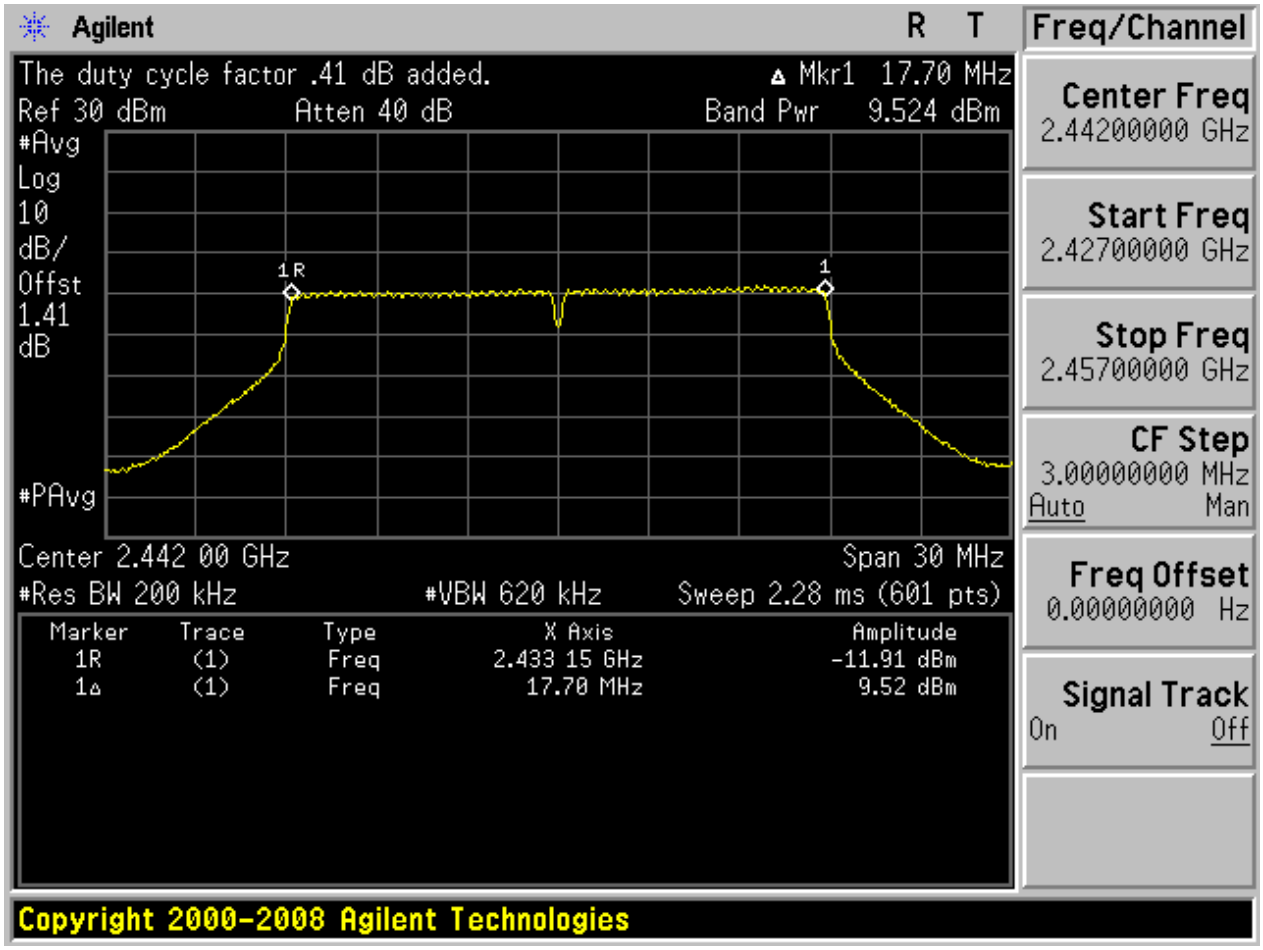

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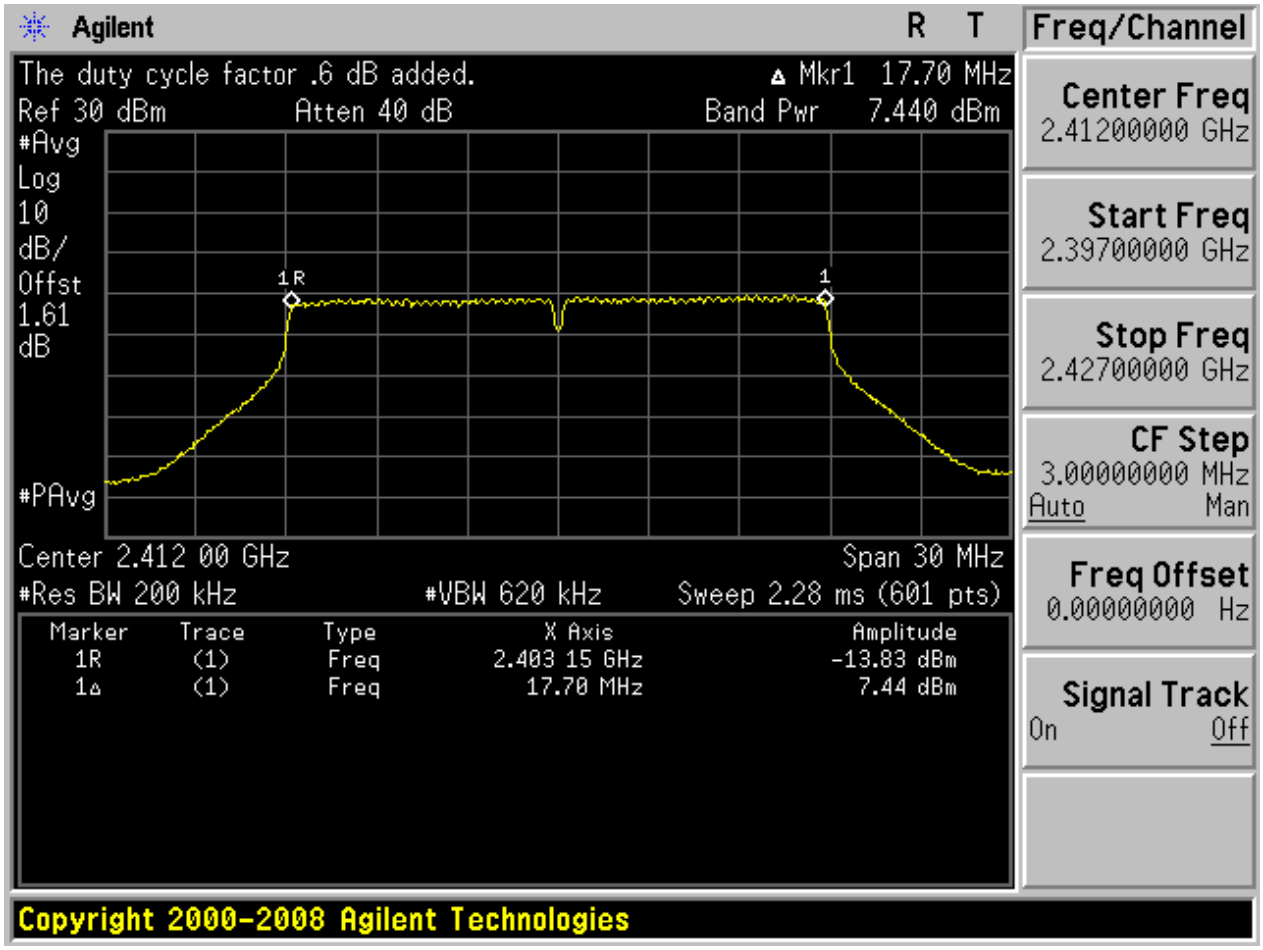

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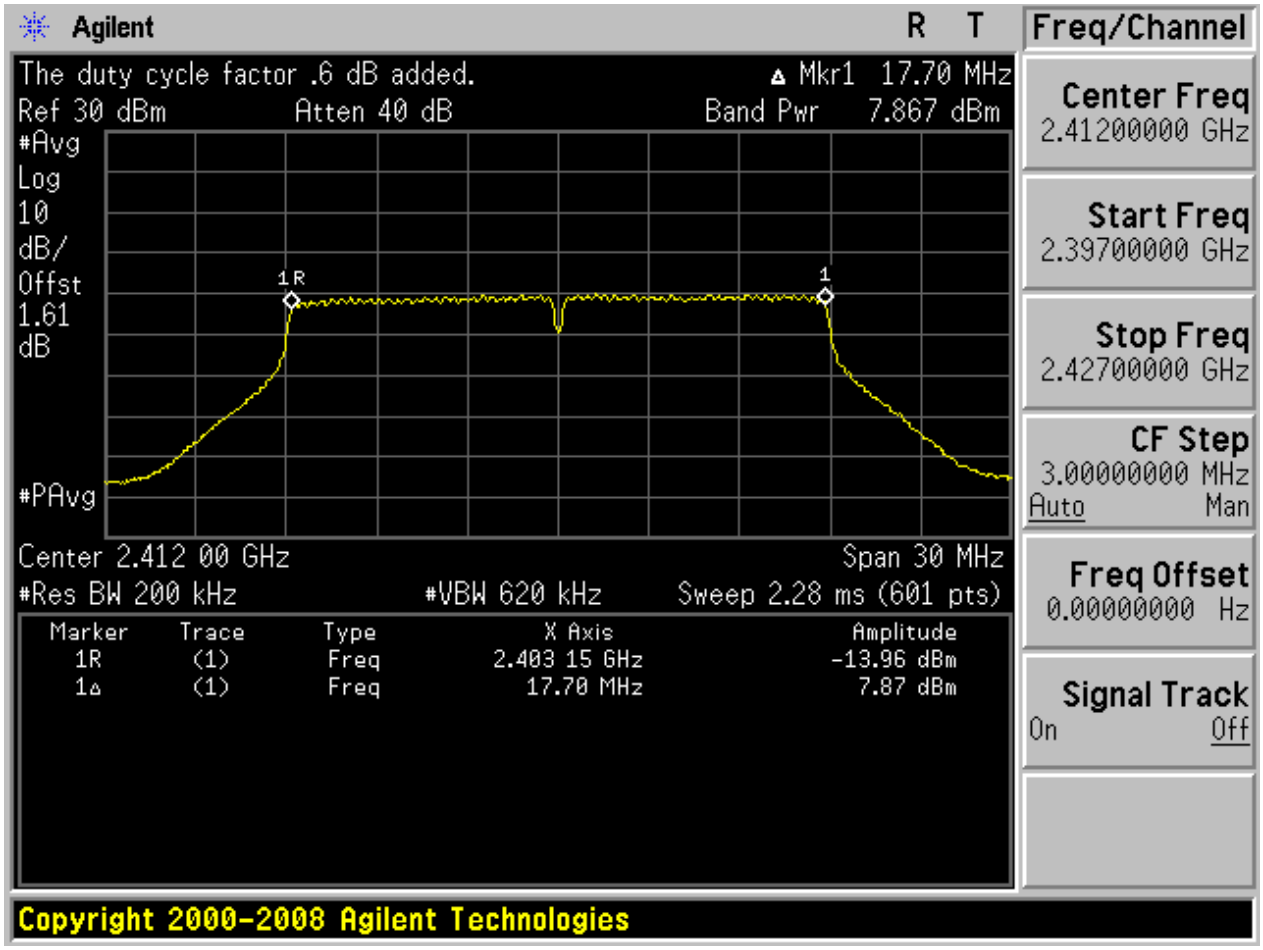

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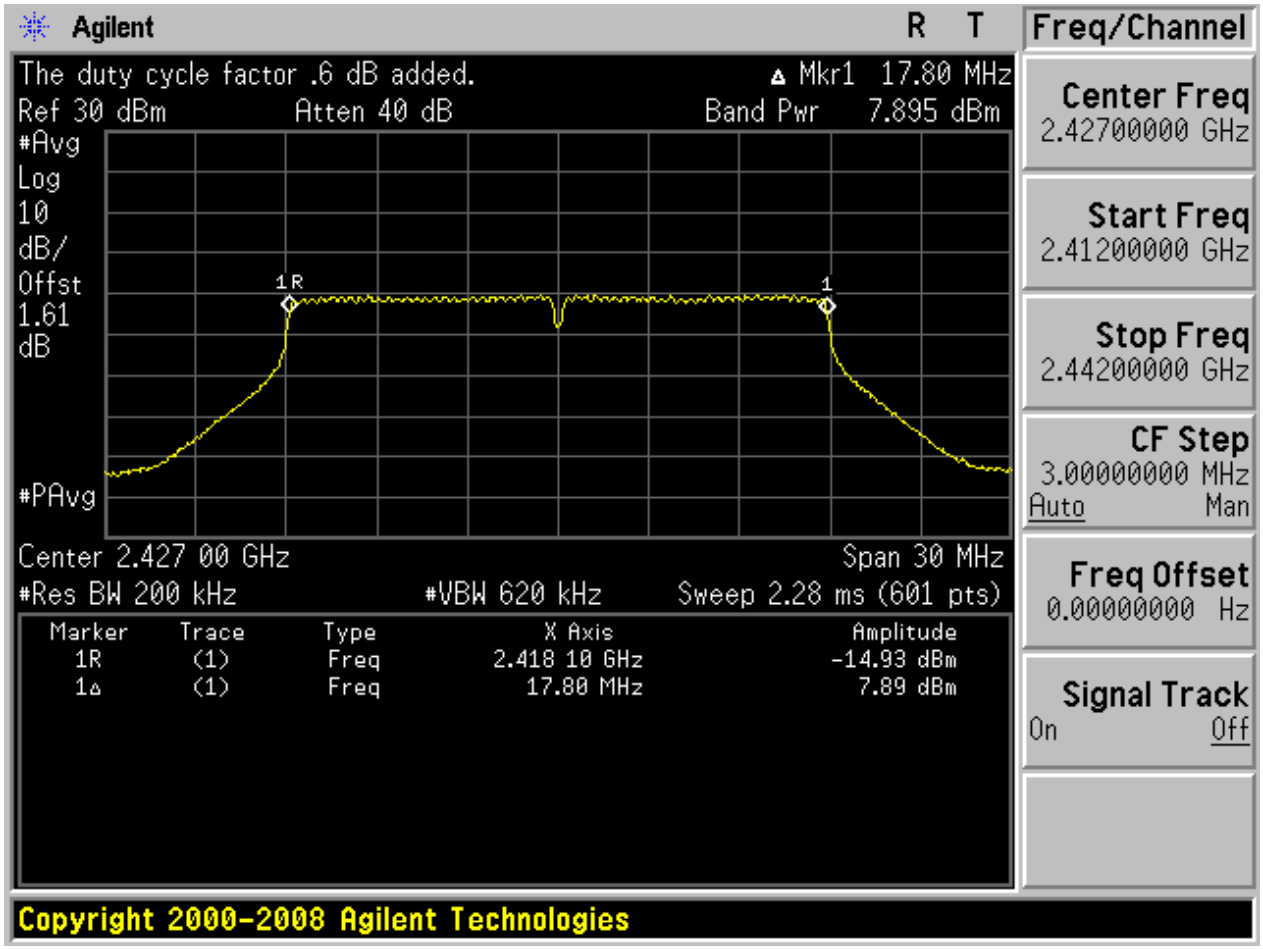

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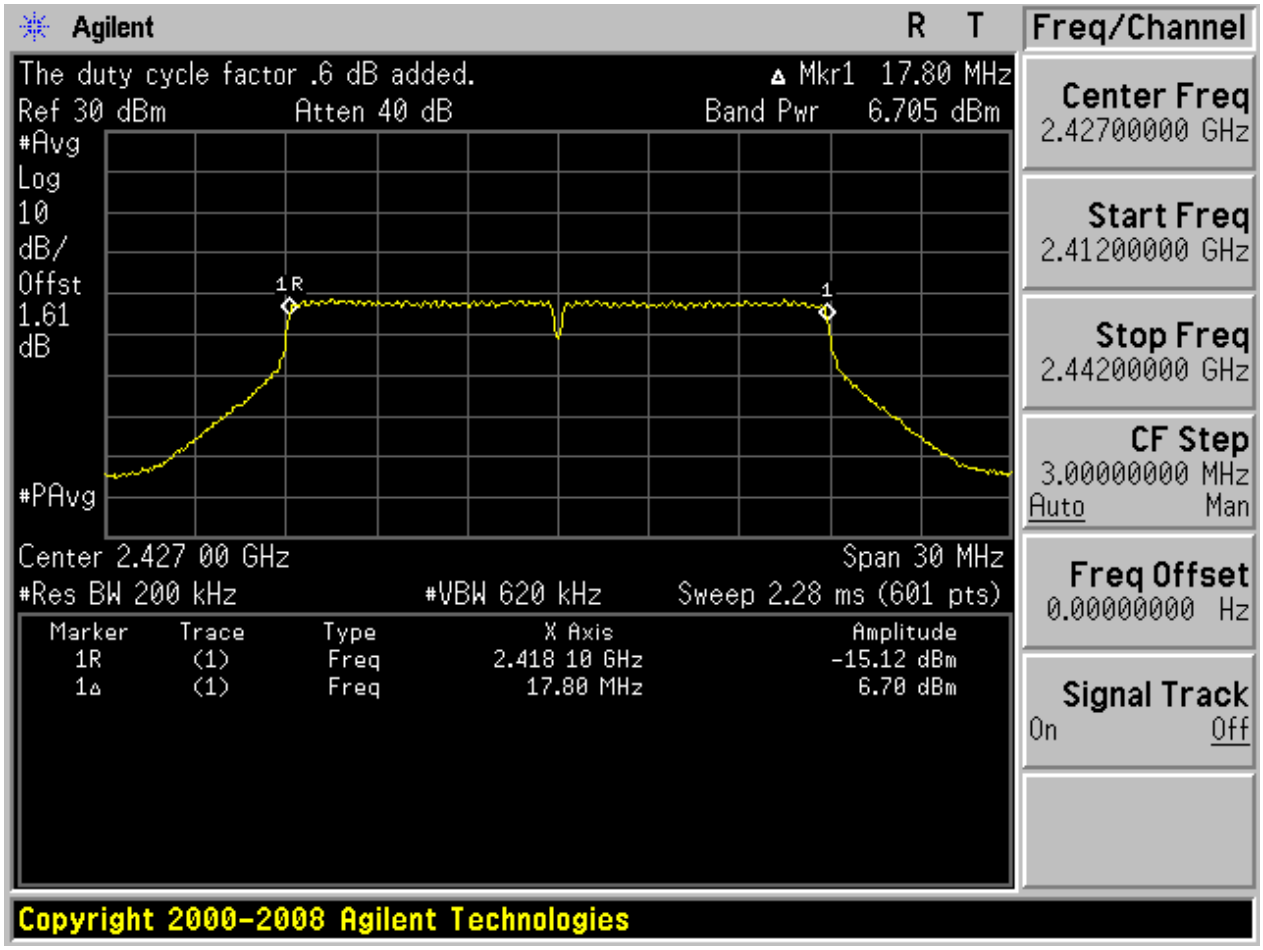

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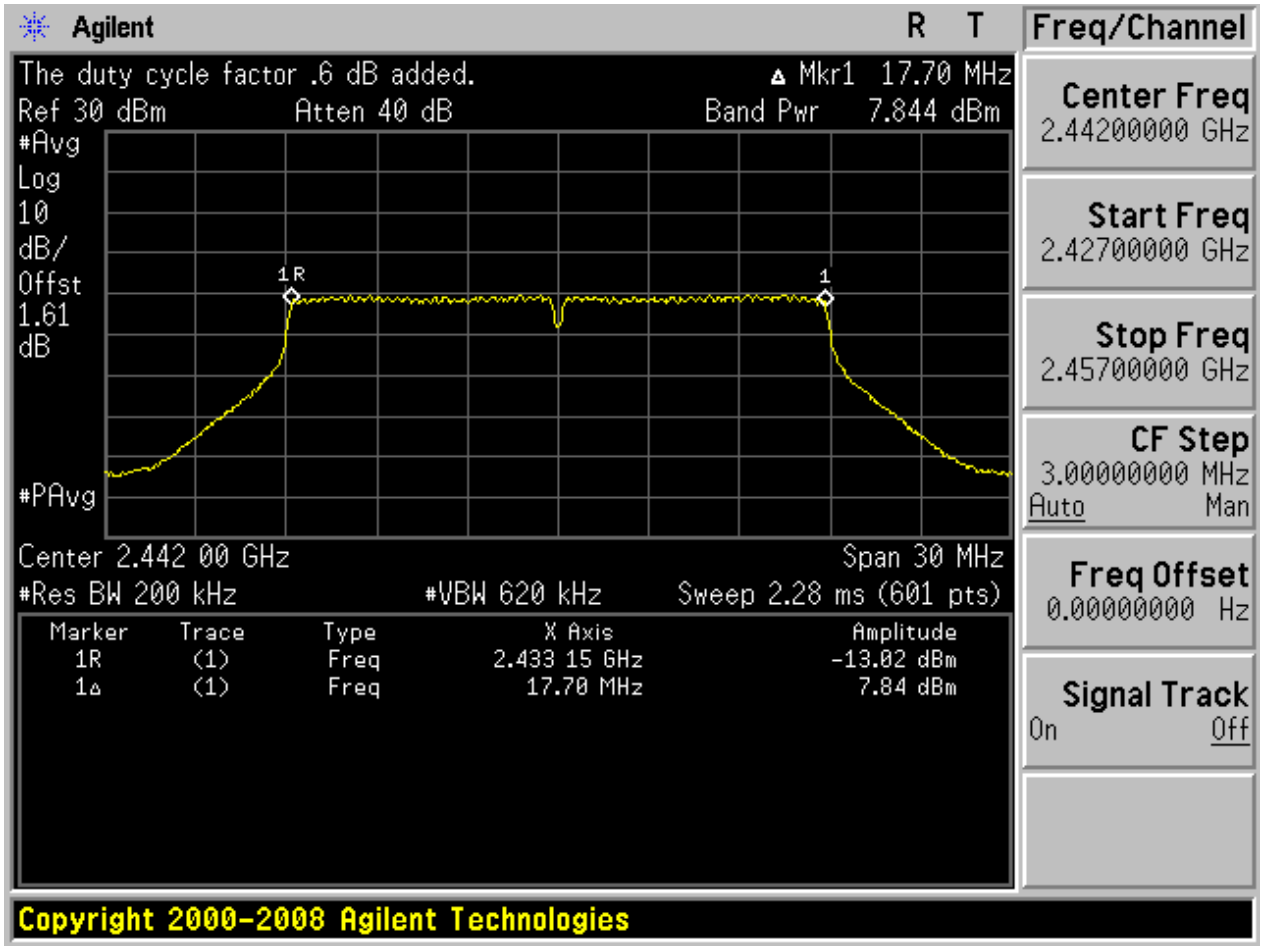

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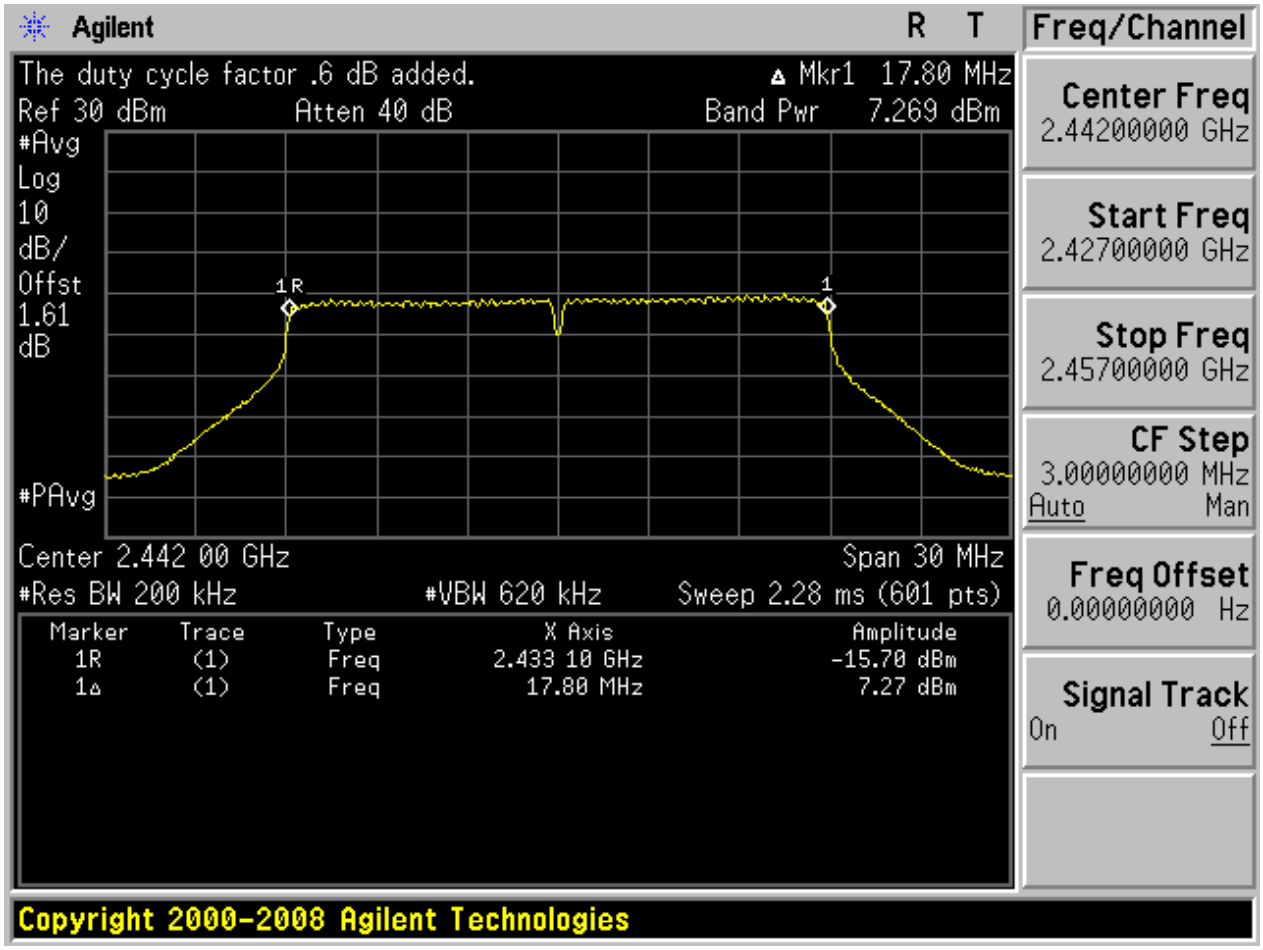

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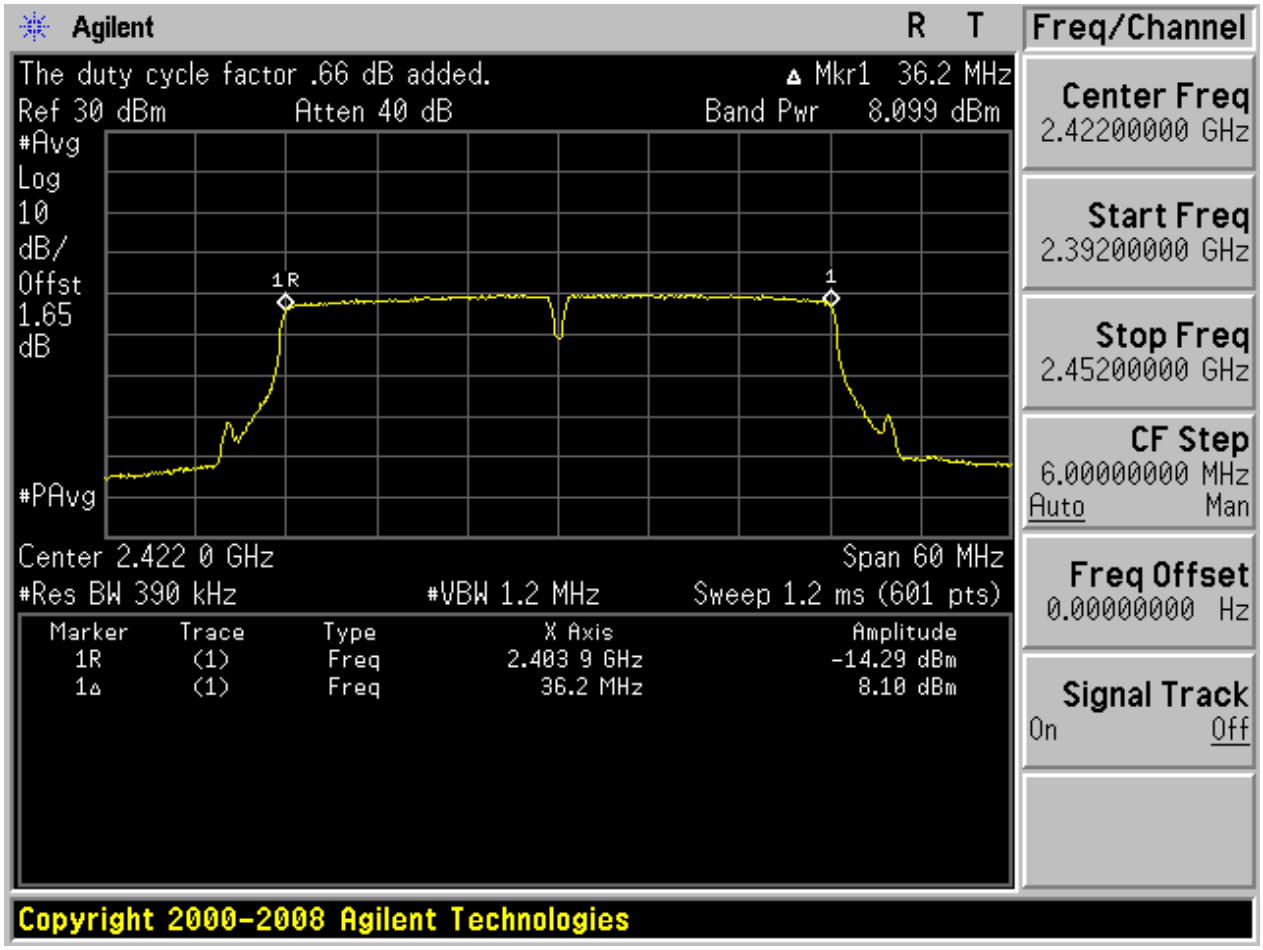

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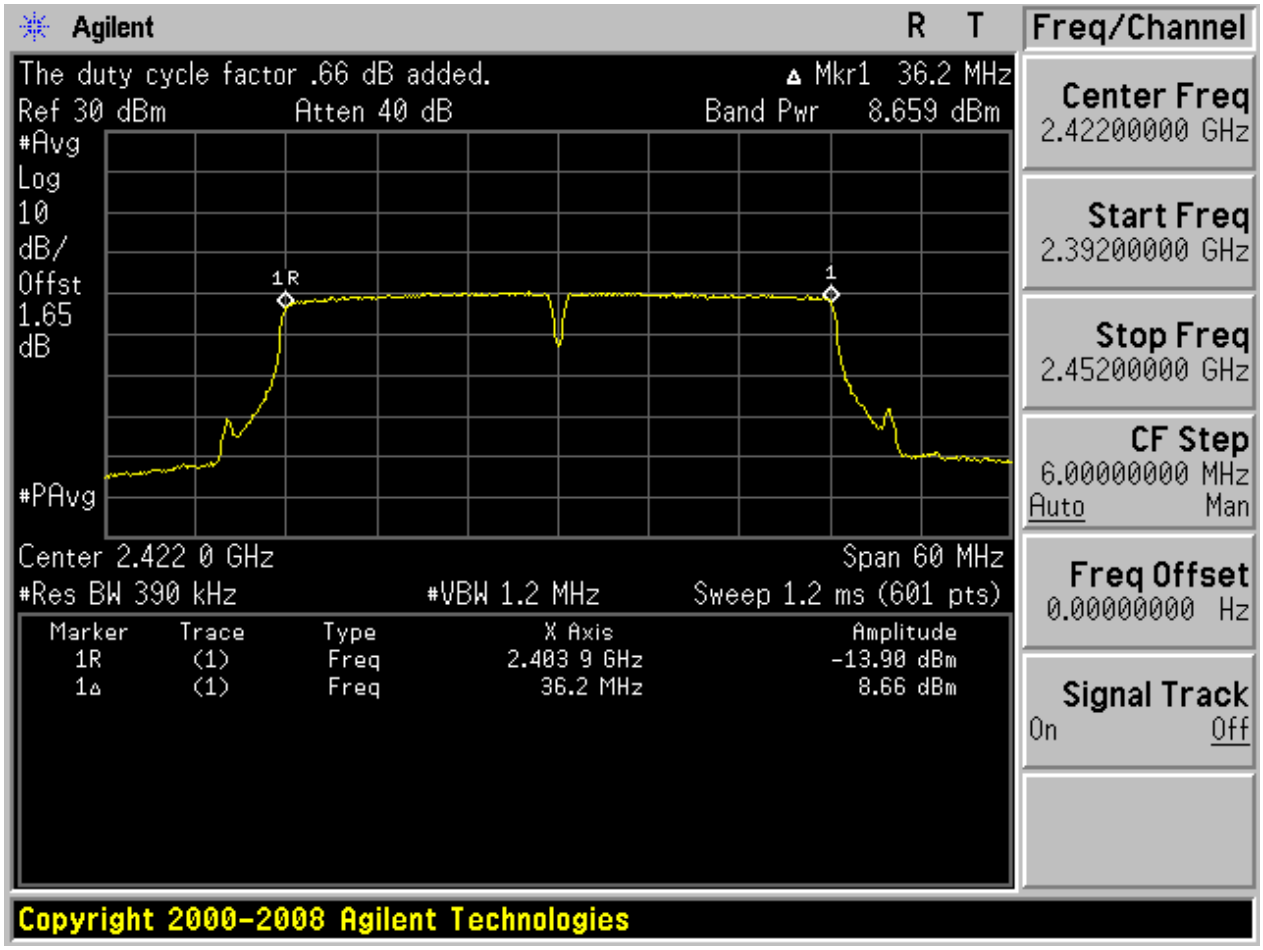

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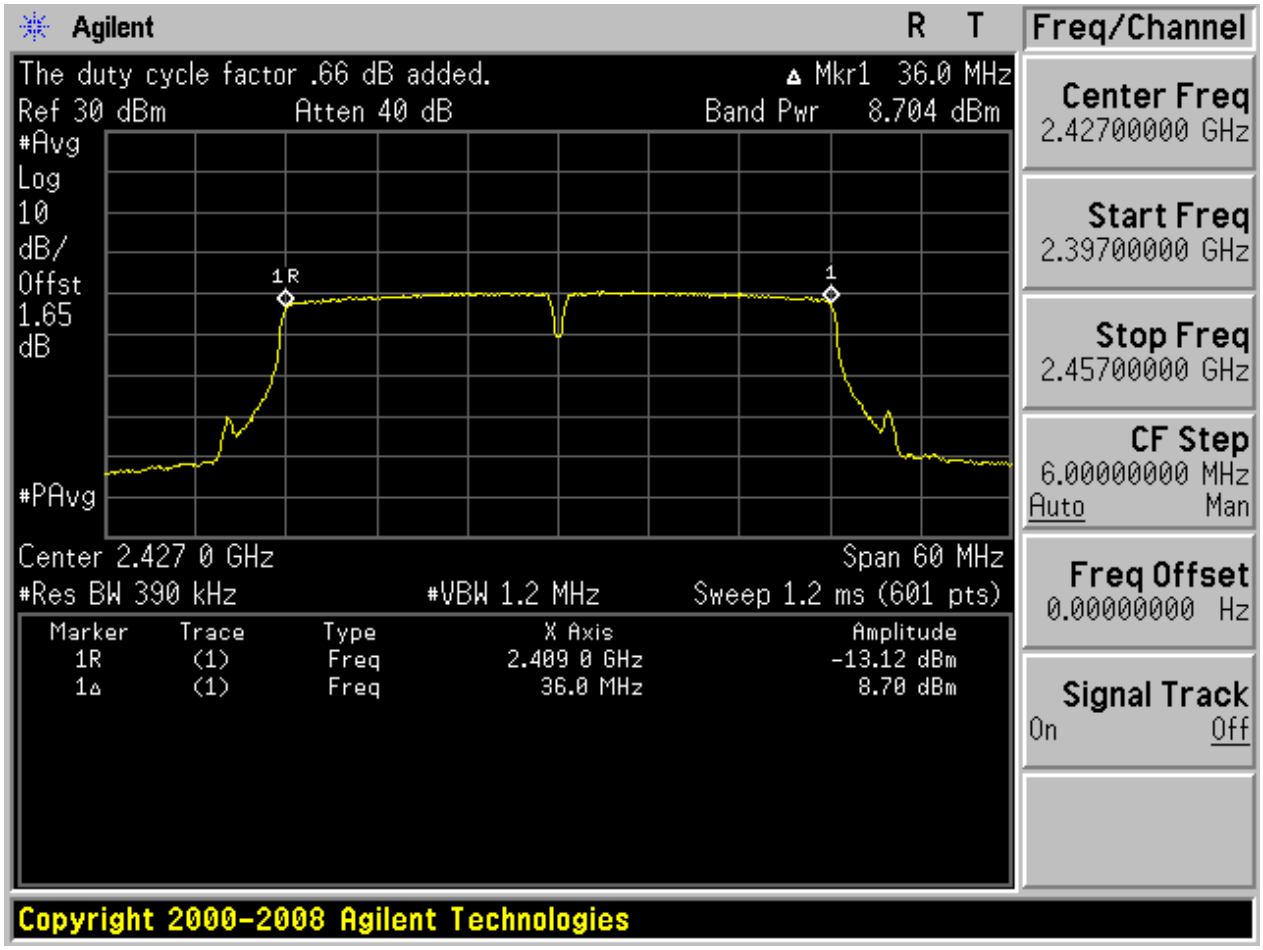

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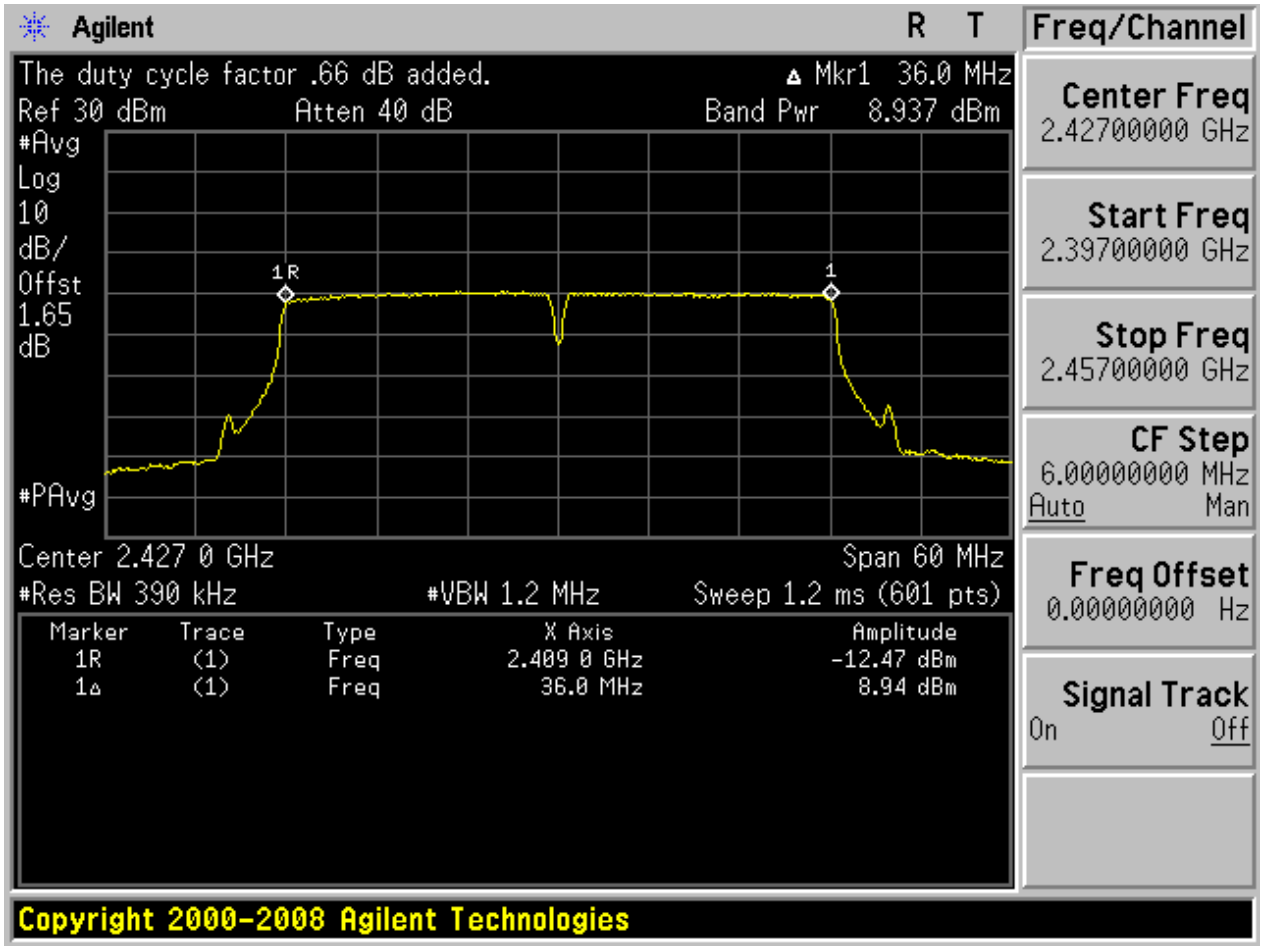

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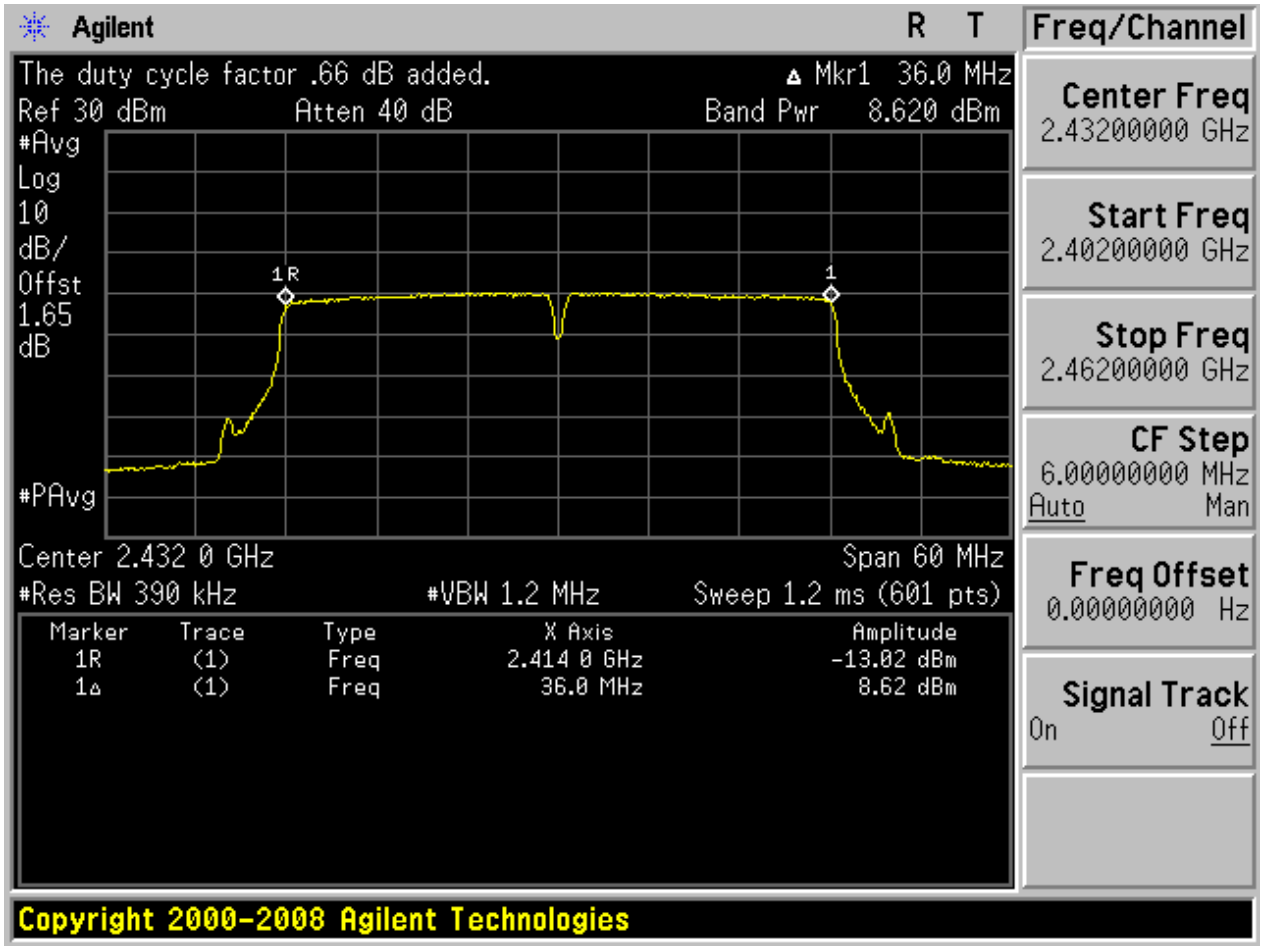

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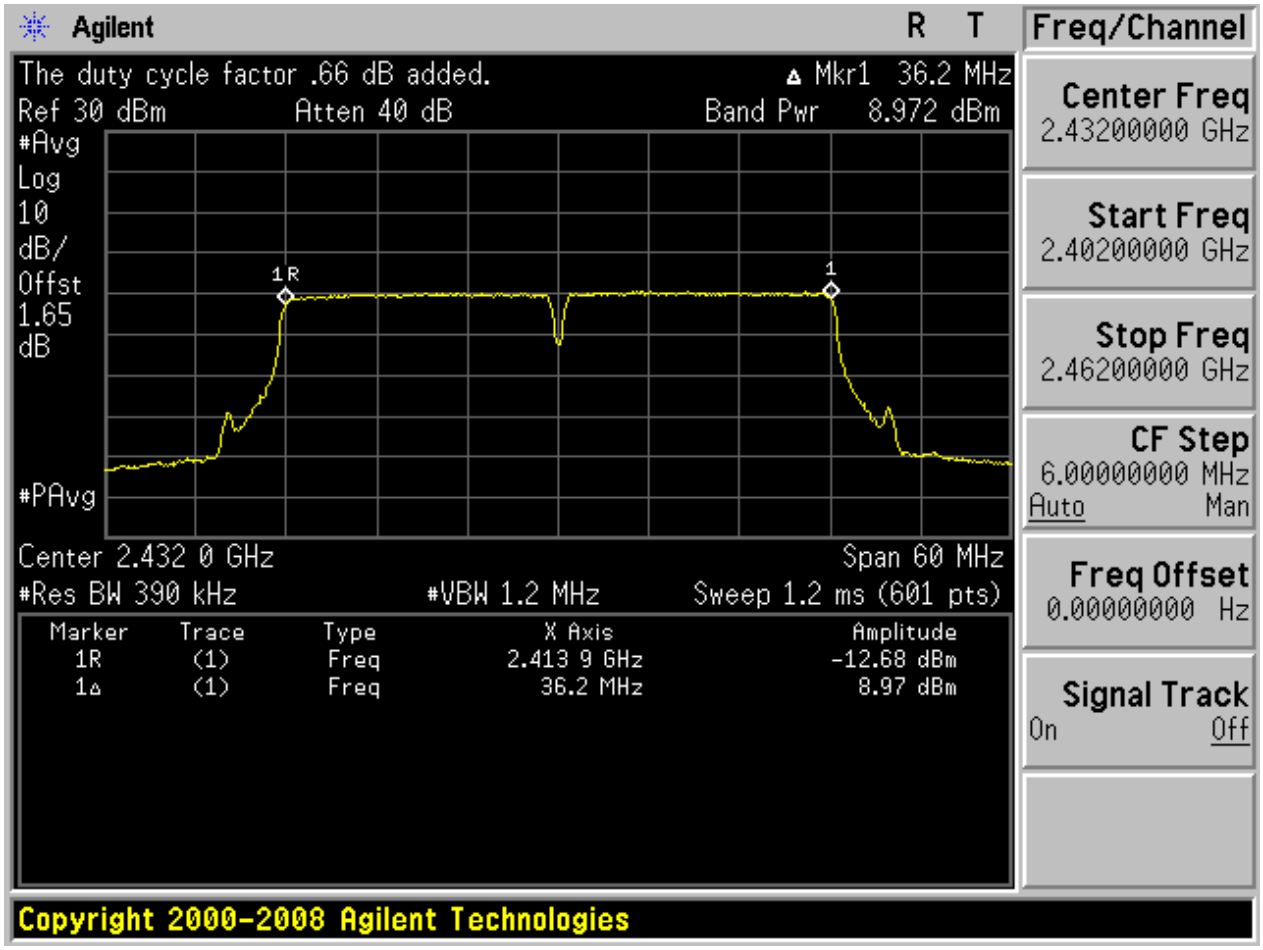

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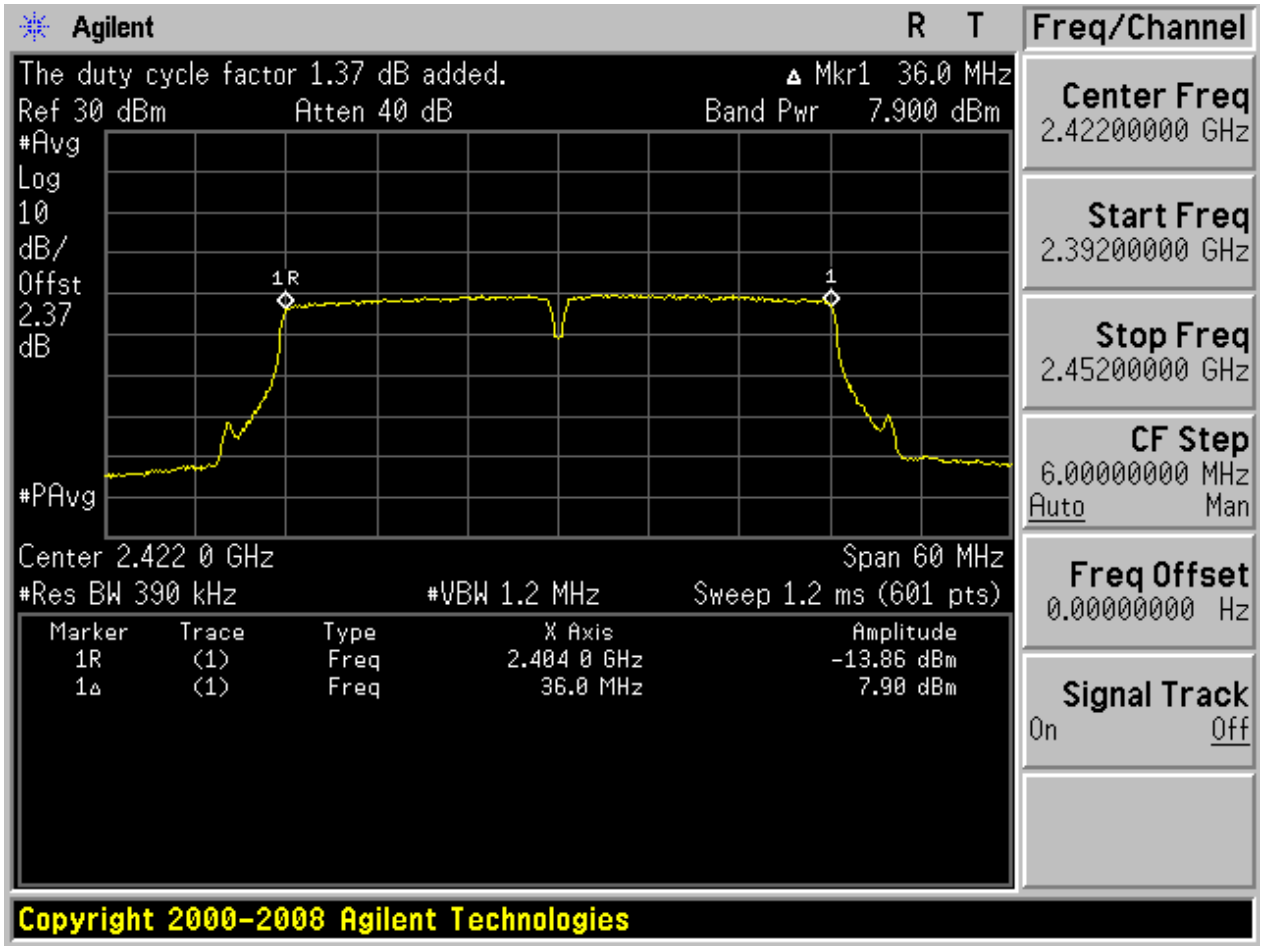

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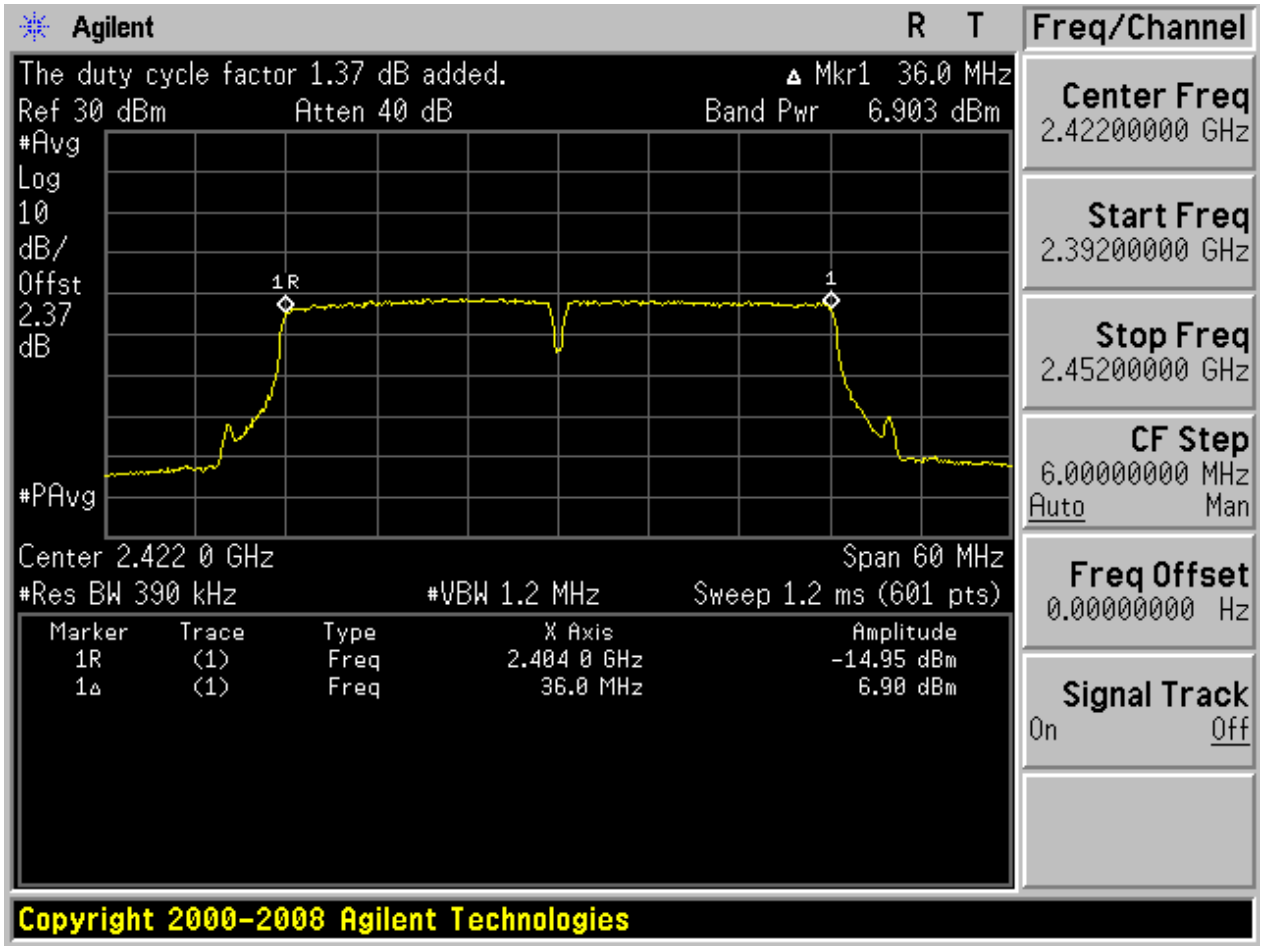

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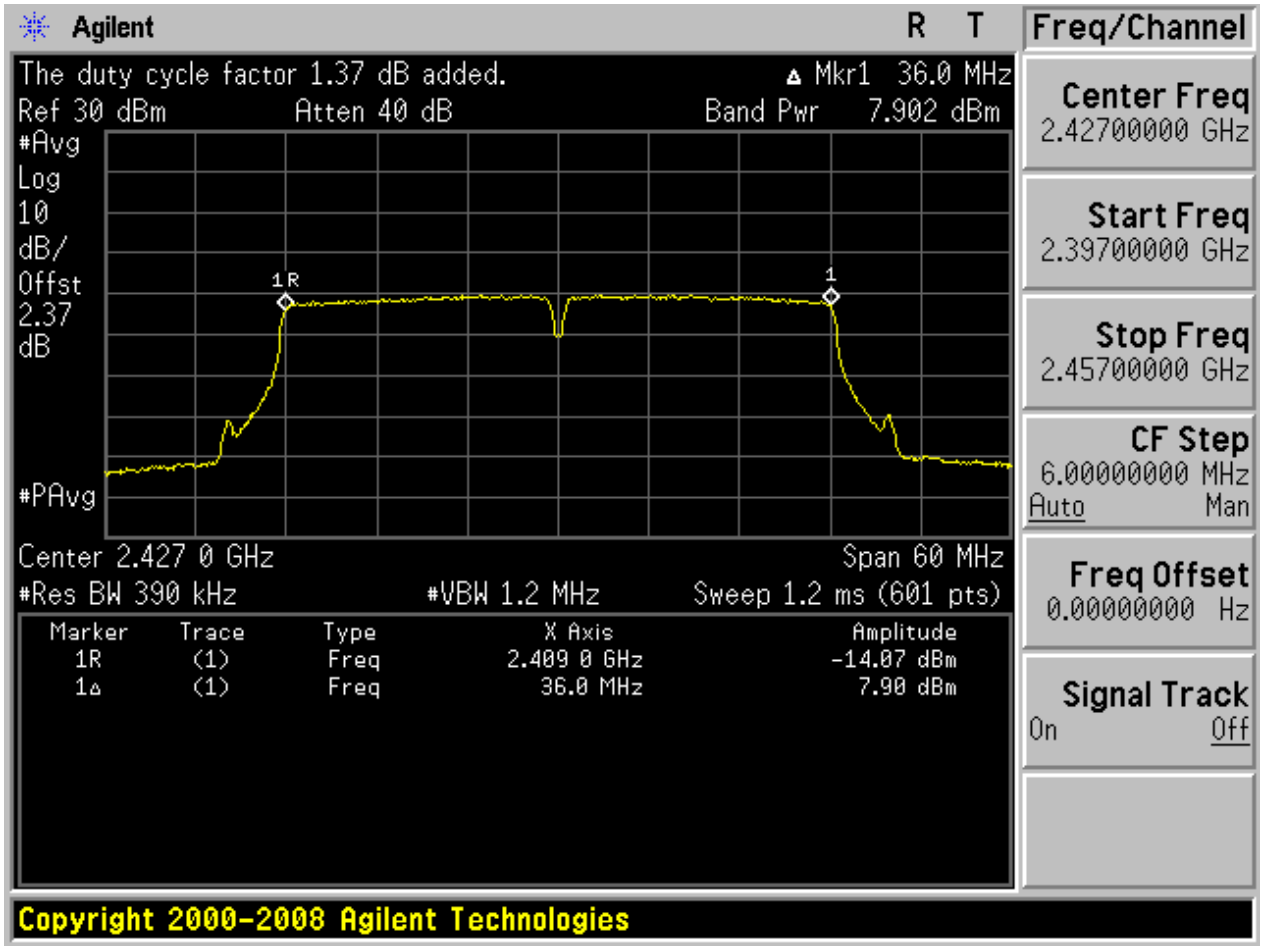

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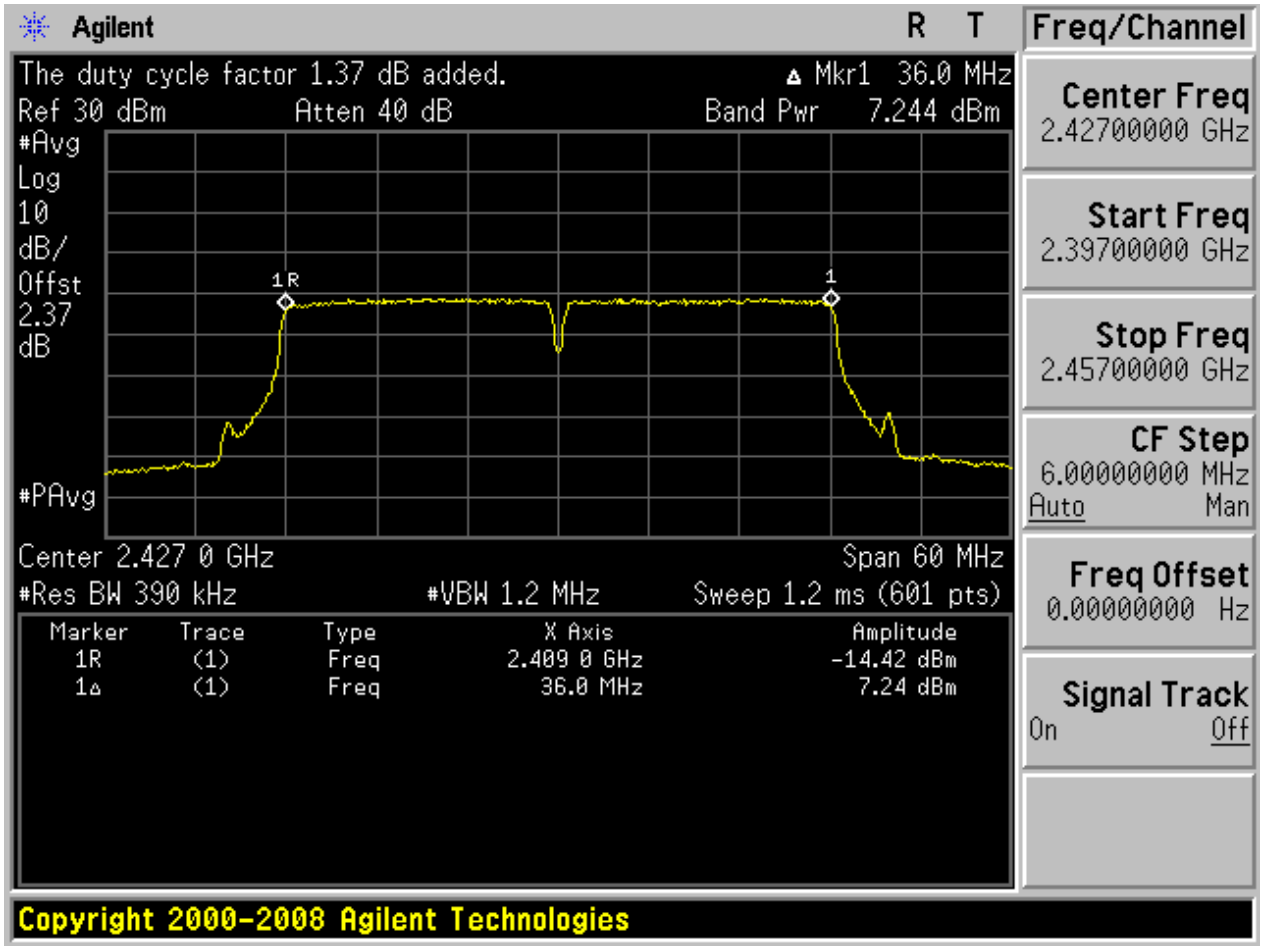

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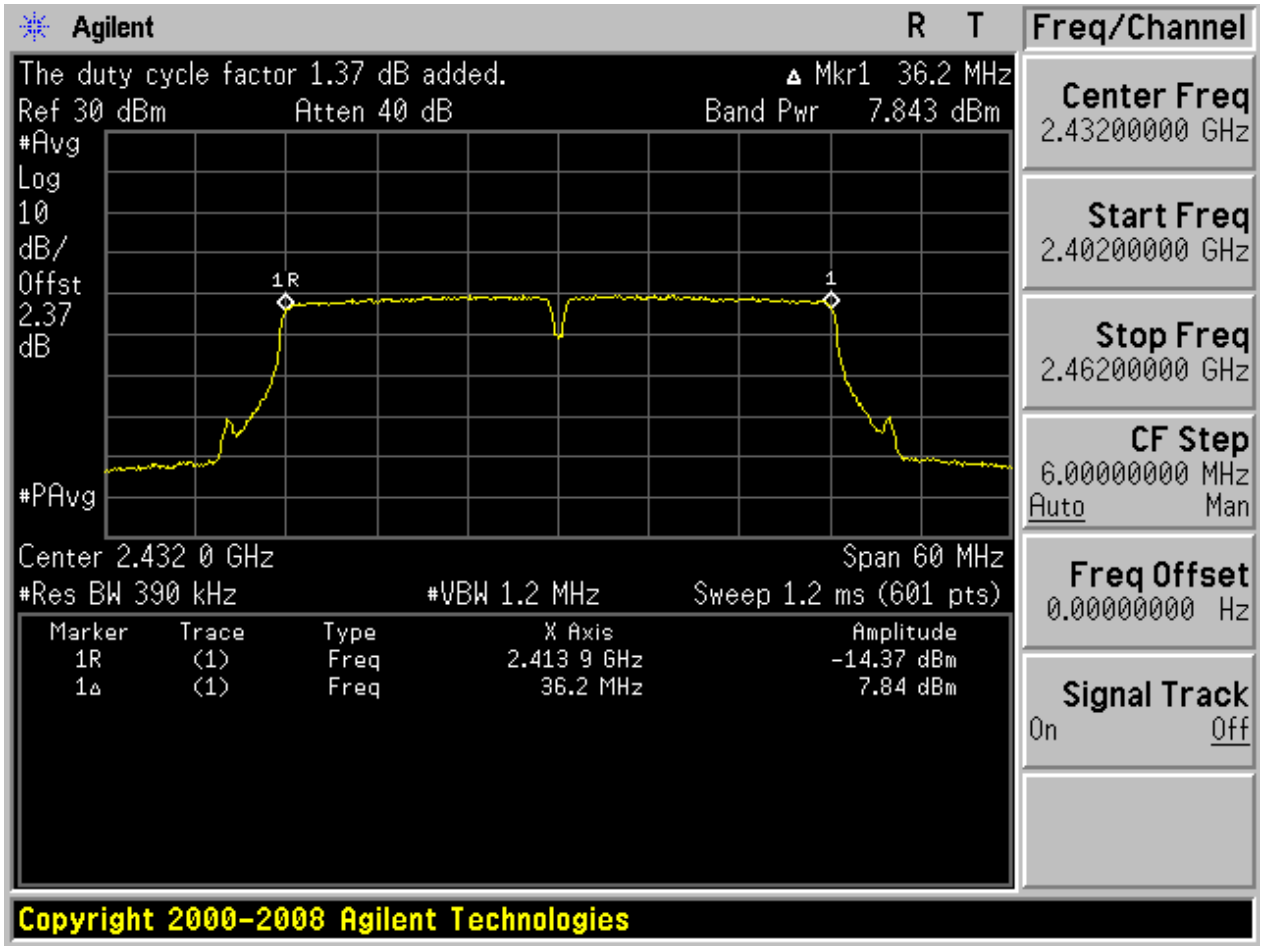

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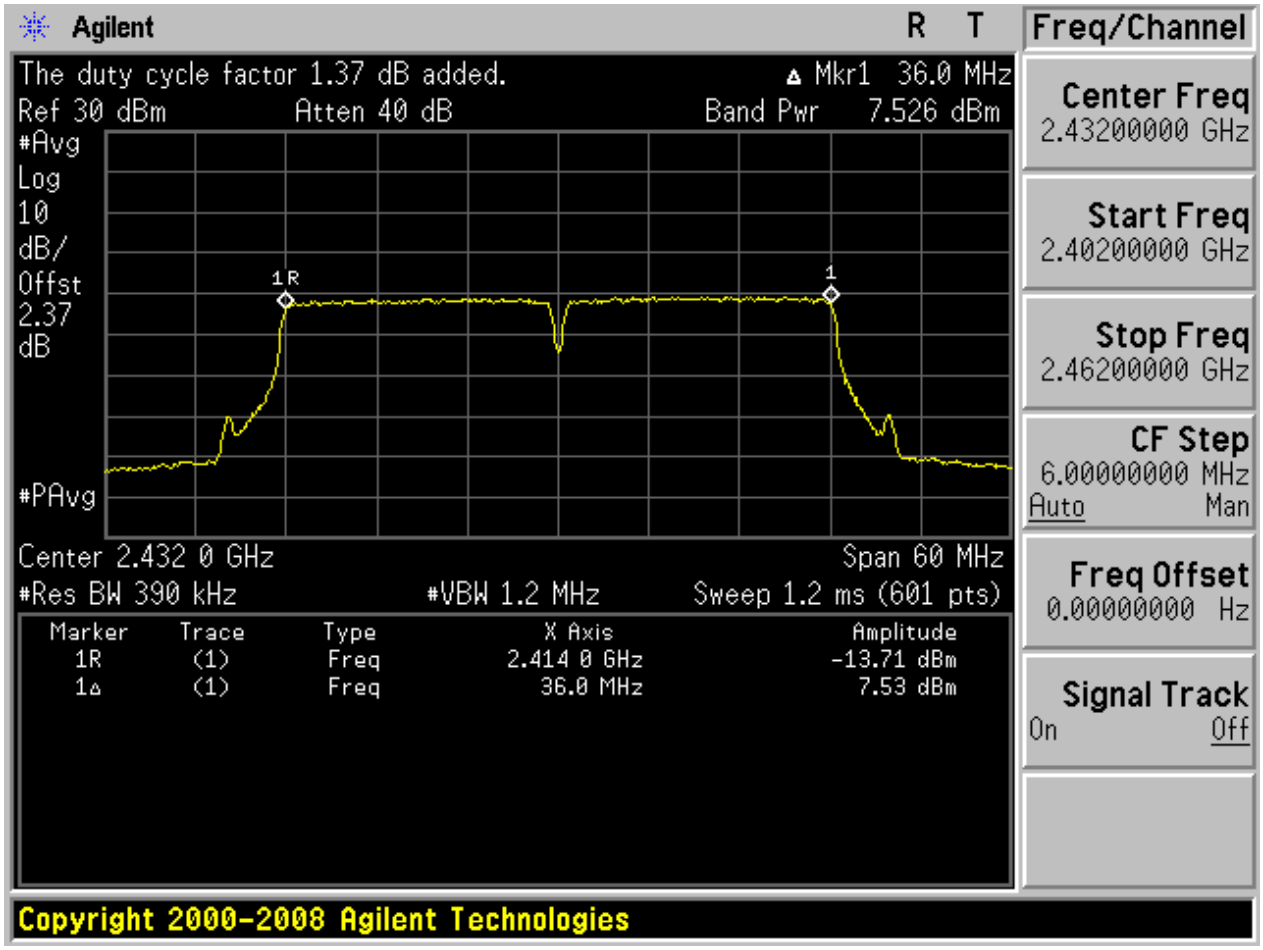

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Appendix D: Maximum Power Spectral Density Level

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11B	L	2412	Ant 1	-15.04	pass
11B	L	2412	Ant 2	-14.67	pass
11B	M	2427	Ant 1	-14.55	pass
11B	M	2427	Ant 2	-14.73	pass
11B	H	2442	Ant 1	-15.16	pass
11B	H	2442	Ant 2	-14.36	pass
11G	L	2412	Ant 1	-20.09	pass
11G	L	2412	Ant 2	-18.63	pass
11G	M	2427	Ant 1	-19.83	pass
11G	M	2427	Ant 2	-18.58	pass
11G	H	2442	Ant 1	-19.77	pass
11G	H	2442	Ant 2	-18.17	pass
11N20	L	2412	Ant 1	-22.26	pass
11N20	L	2412	Ant 2	-20.32	pass
11N20	M	2427	Ant 1	-21.88	pass
11N20	M	2427	Ant 2	-20.49	pass
11N20	H	2442	Ant 1	-21.65	pass
11N20	H	2442	Ant 2	-20.11	pass
11N20m	L	2412	Ant 1	-22.08	---
11N20m	L	2412	Ant 2	-22.69	---
11N20m_Sum	L	2412	Ant 1+ 2	-19.36	pass
11N20m	M	2427	Ant 1	-21.90	---
11N20m	M	2427	Ant 2	-23.25	---
11N20m_Sum	M	2427	Ant 1+ 2	-19.51	pass
11N20m	H	2442	Ant 1	-21.89	---
11N20m	H	2442	Ant 2	-22.04	---
11N20m_Sum	H	2442	Ant 1+ 2	-18.95	pass
11N40	L	2422	Ant 1	-24.47	pass
11N40	L	2422	Ant 2	-24.16	pass
11N40	M	2427	Ant 1	-24.06	pass
11N40	M	2427	Ant 2	-24.02	pass
11N40	H	2432	Ant 1	-24.10	pass
11N40	H	2432	Ant 2	-24.00	pass
11N40m	L	2422	Ant 1	-24.34	---

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11N40m	L	2422	Ant 2	-25.34	---
11N40m_Sum	L	2422	Ant 1+ 2	-21.80	pass
11N40m	M	2427	Ant 1	-24.51	---
11N40m	M	2427	Ant 2	-25.32	---
11N40m_Sum	M	2427	Ant 1+ 2	-21.89	pass
11N40m	H	2432	Ant 1	-24.53	---
11N40m	H	2432	Ant 2	-25.22	---
11N40m_Sum	H	2432	Ant 1+ 2	-21.85	pass

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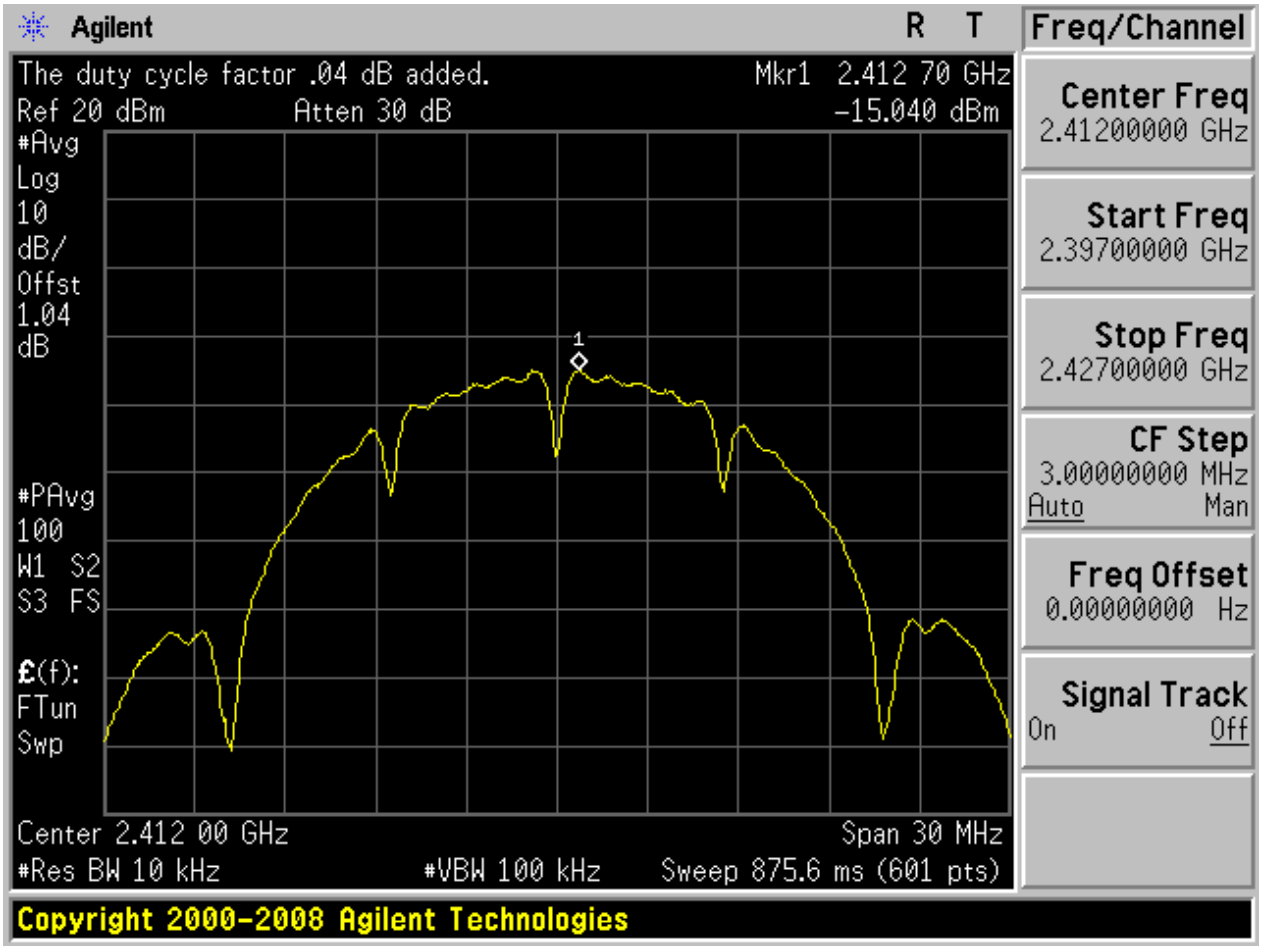
Part II - Test Plots

2.1 11B_L@Ant 1



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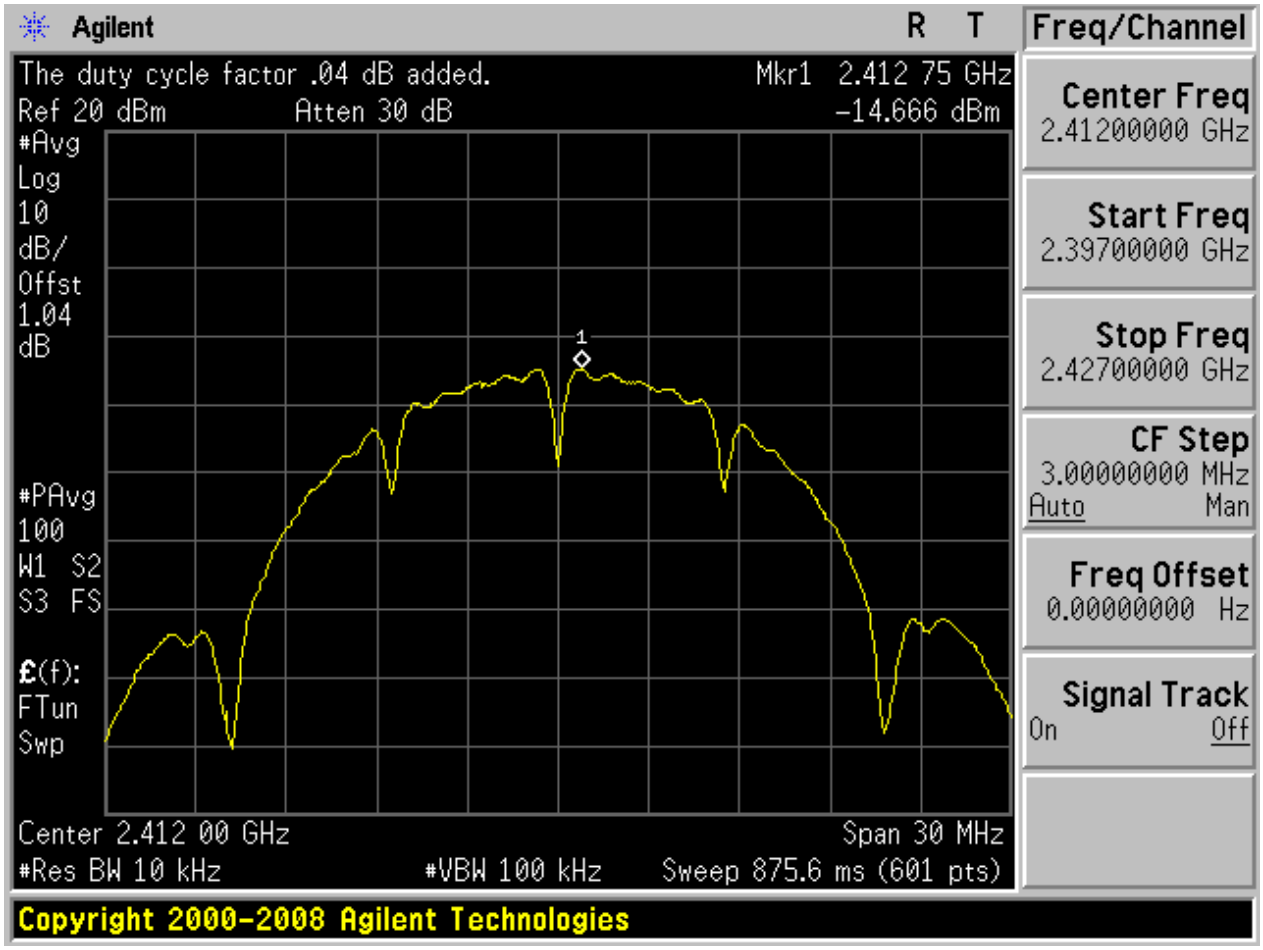

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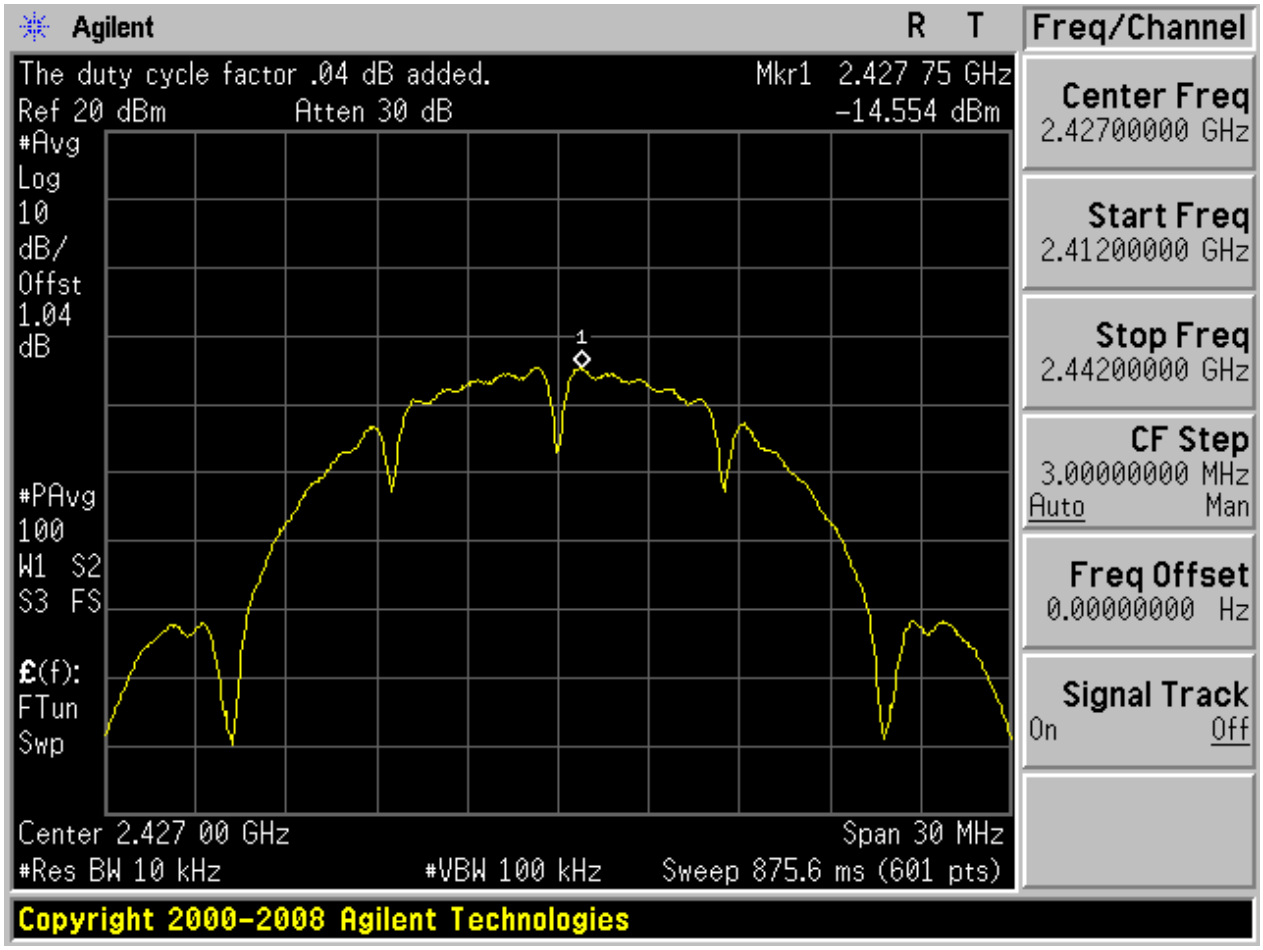
2.3 11B_M@Ant 1



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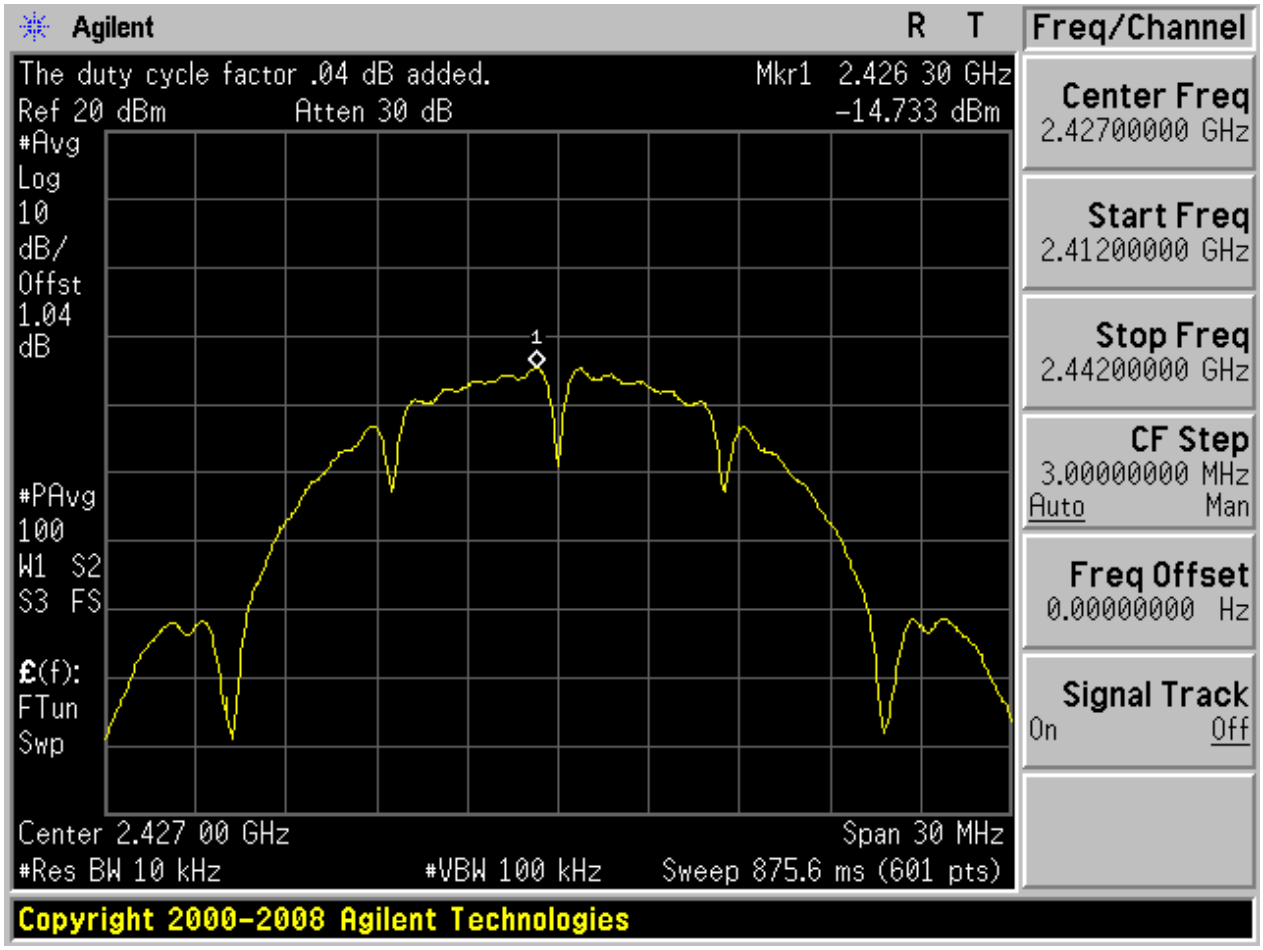
2.4 11B_M@Ant 2



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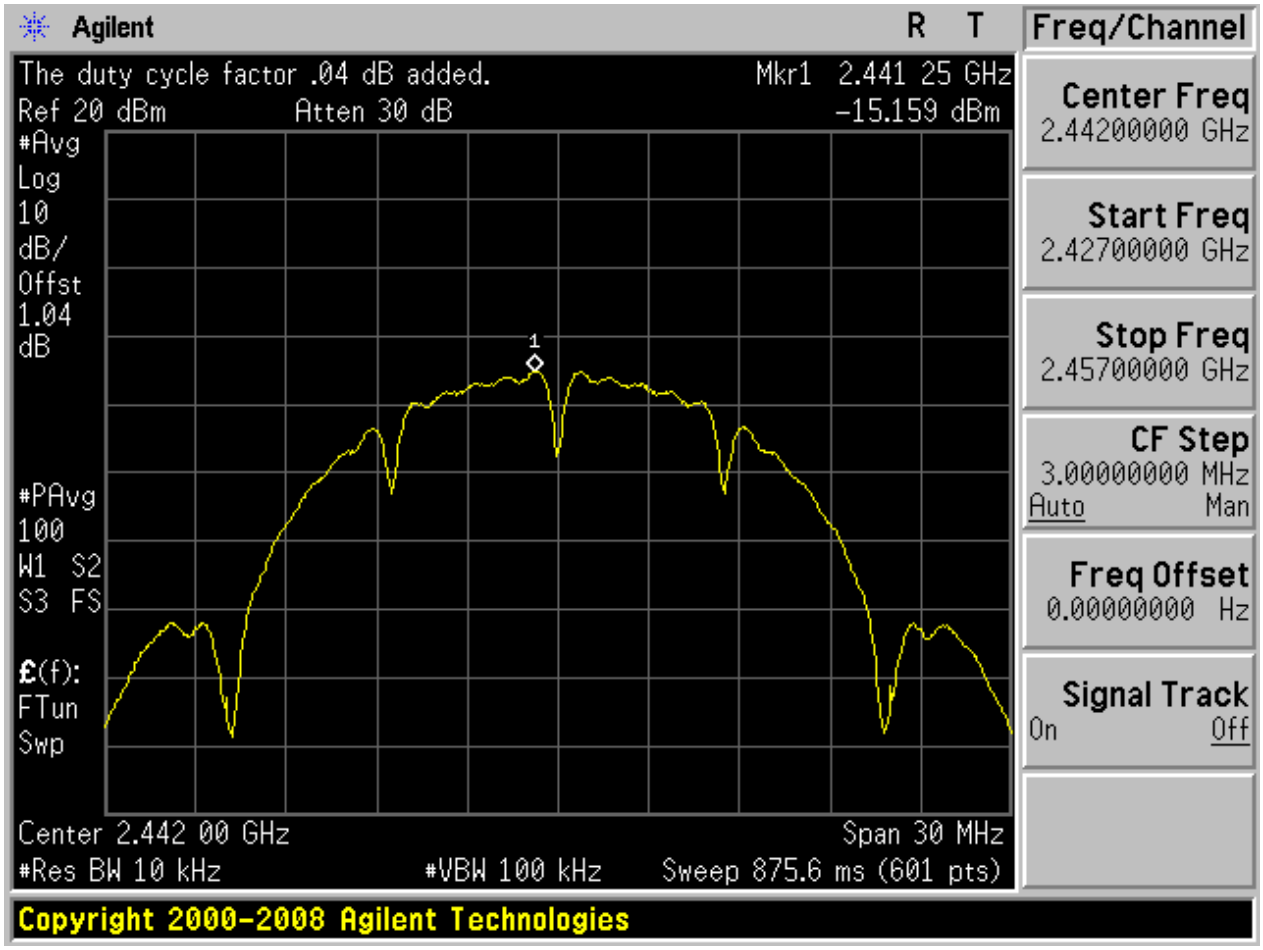
2.5 11B_H@Ant 1



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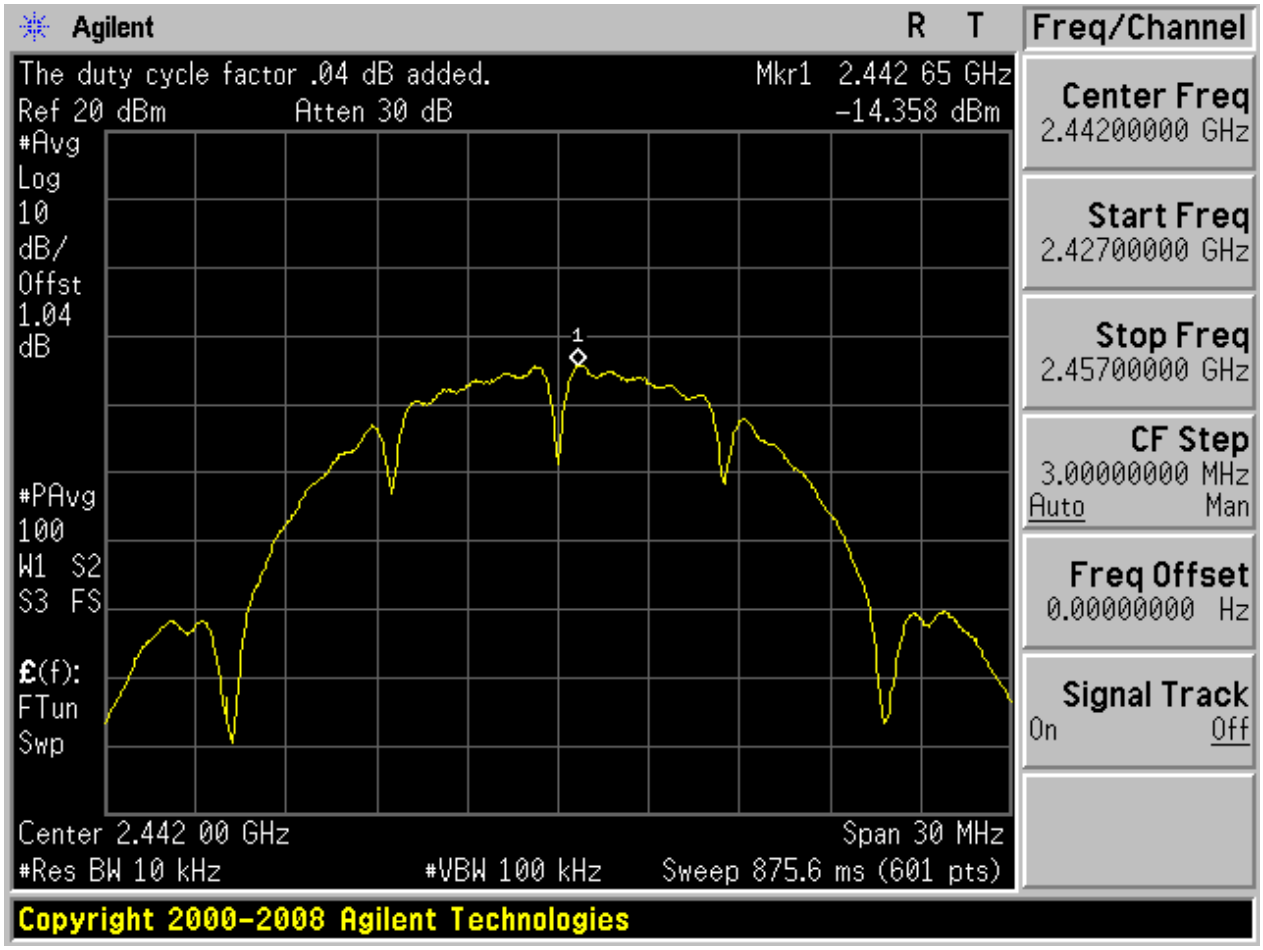
2.6 11B_H@Ant 2



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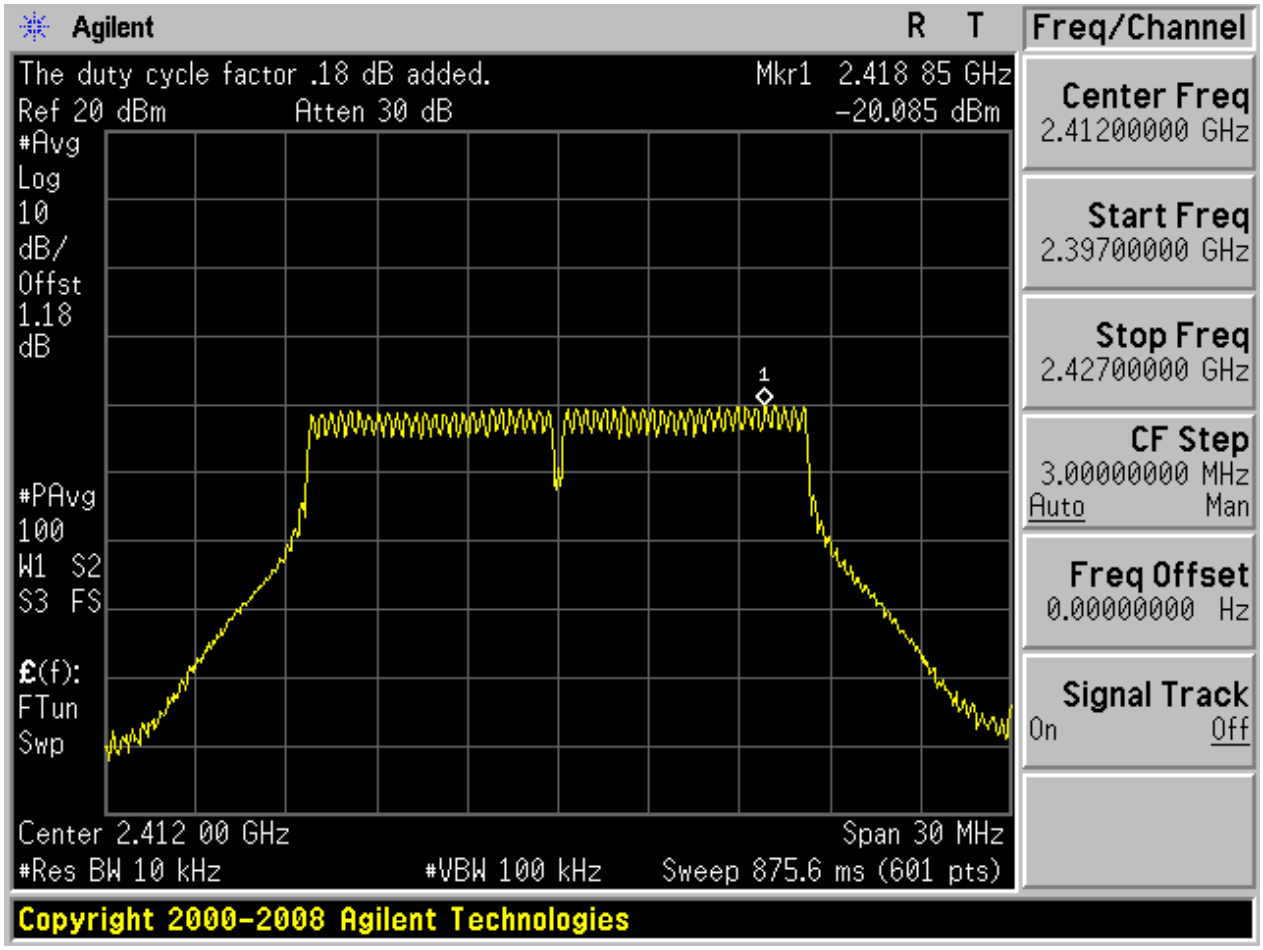
2.7 11G_L@Ant 1



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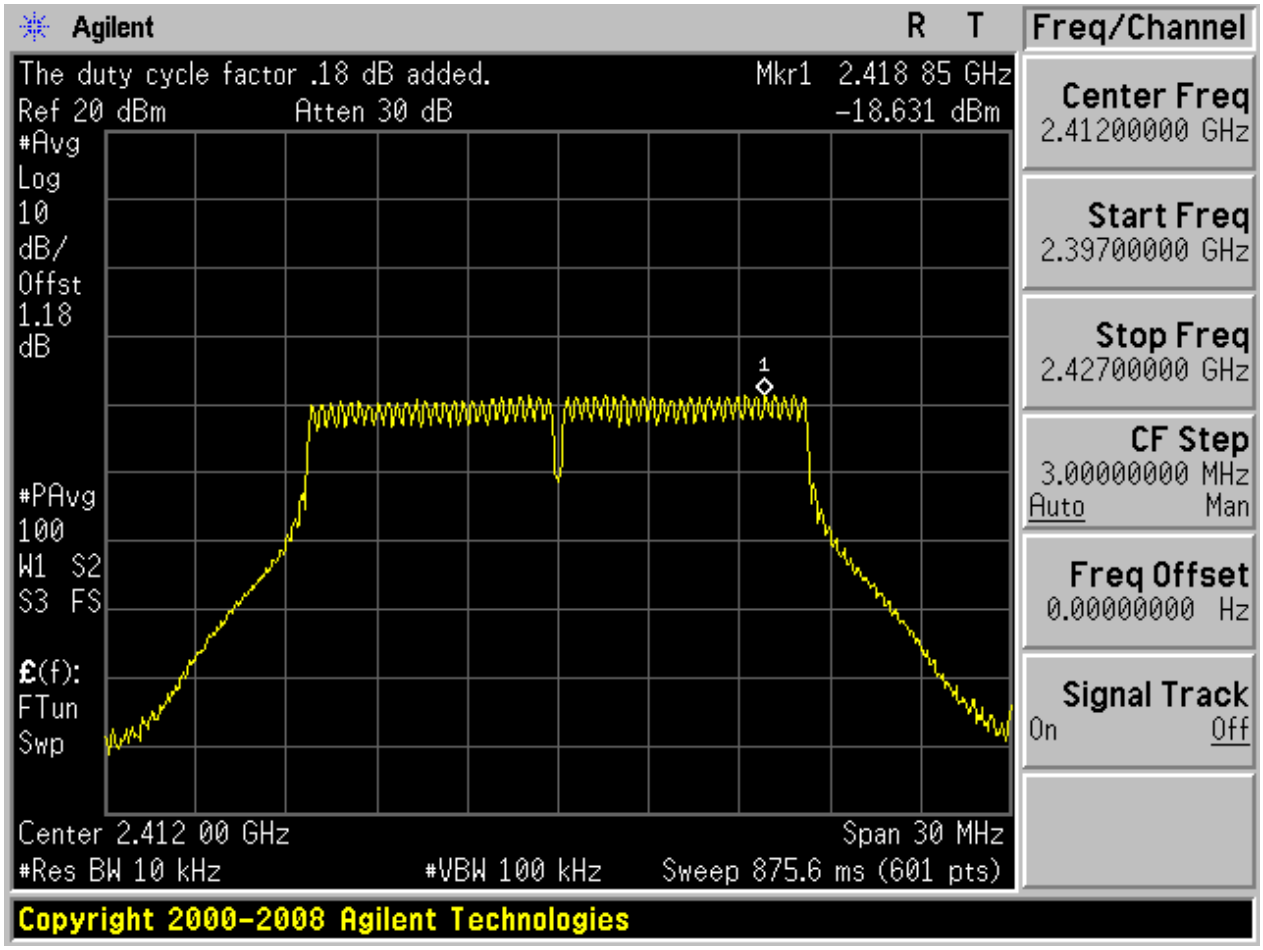

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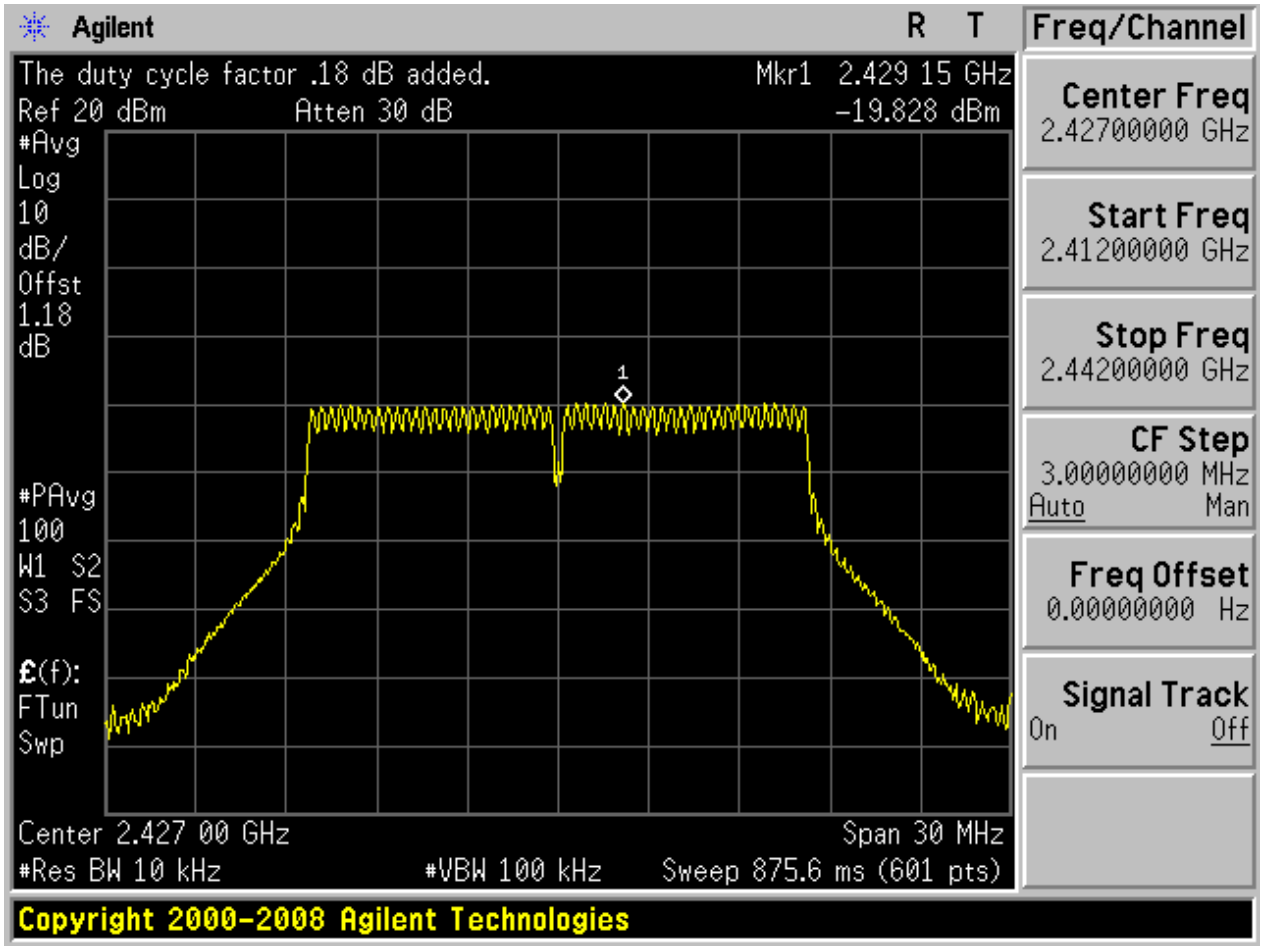
2.9 11G_M@Ant 1



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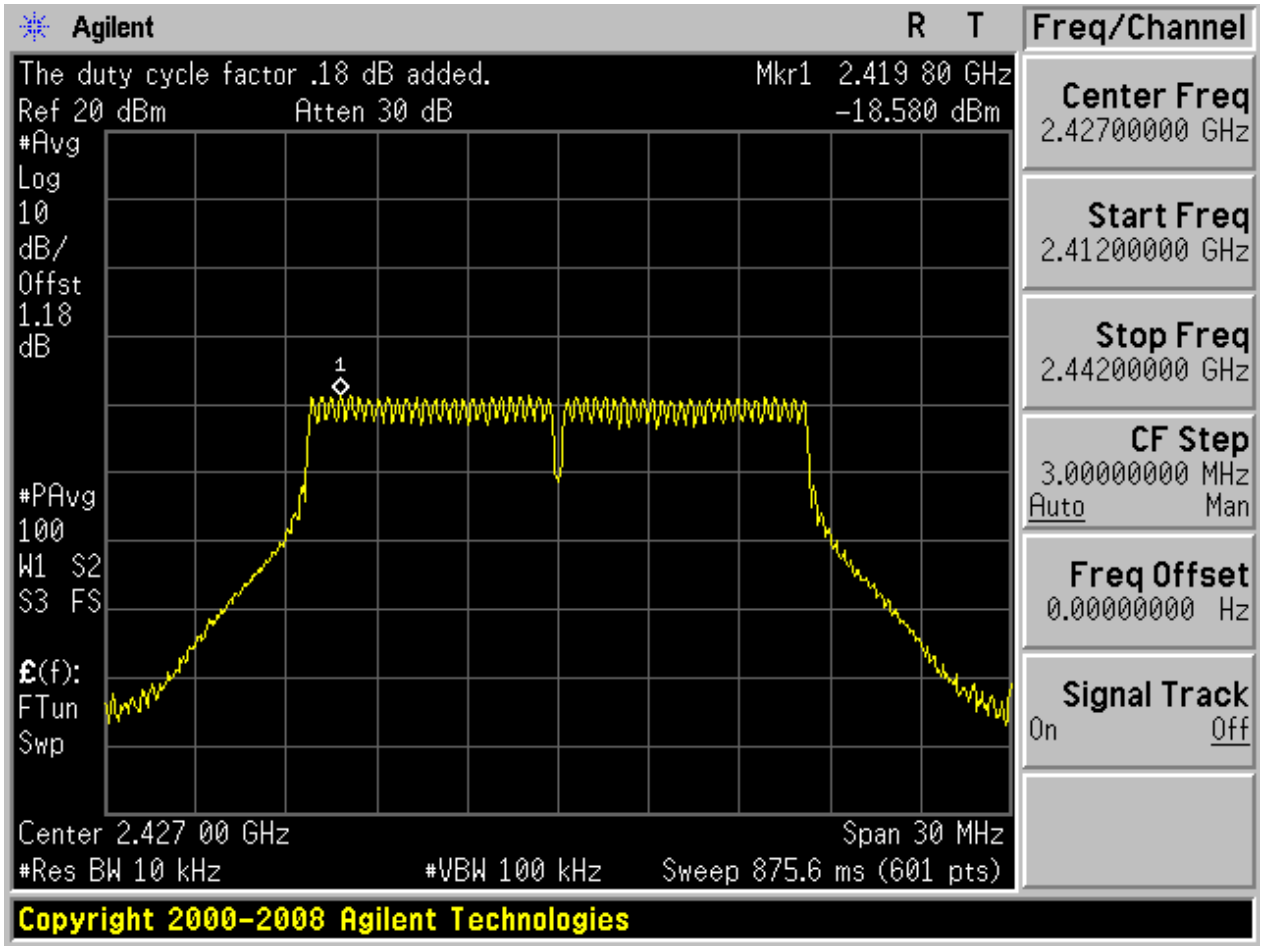

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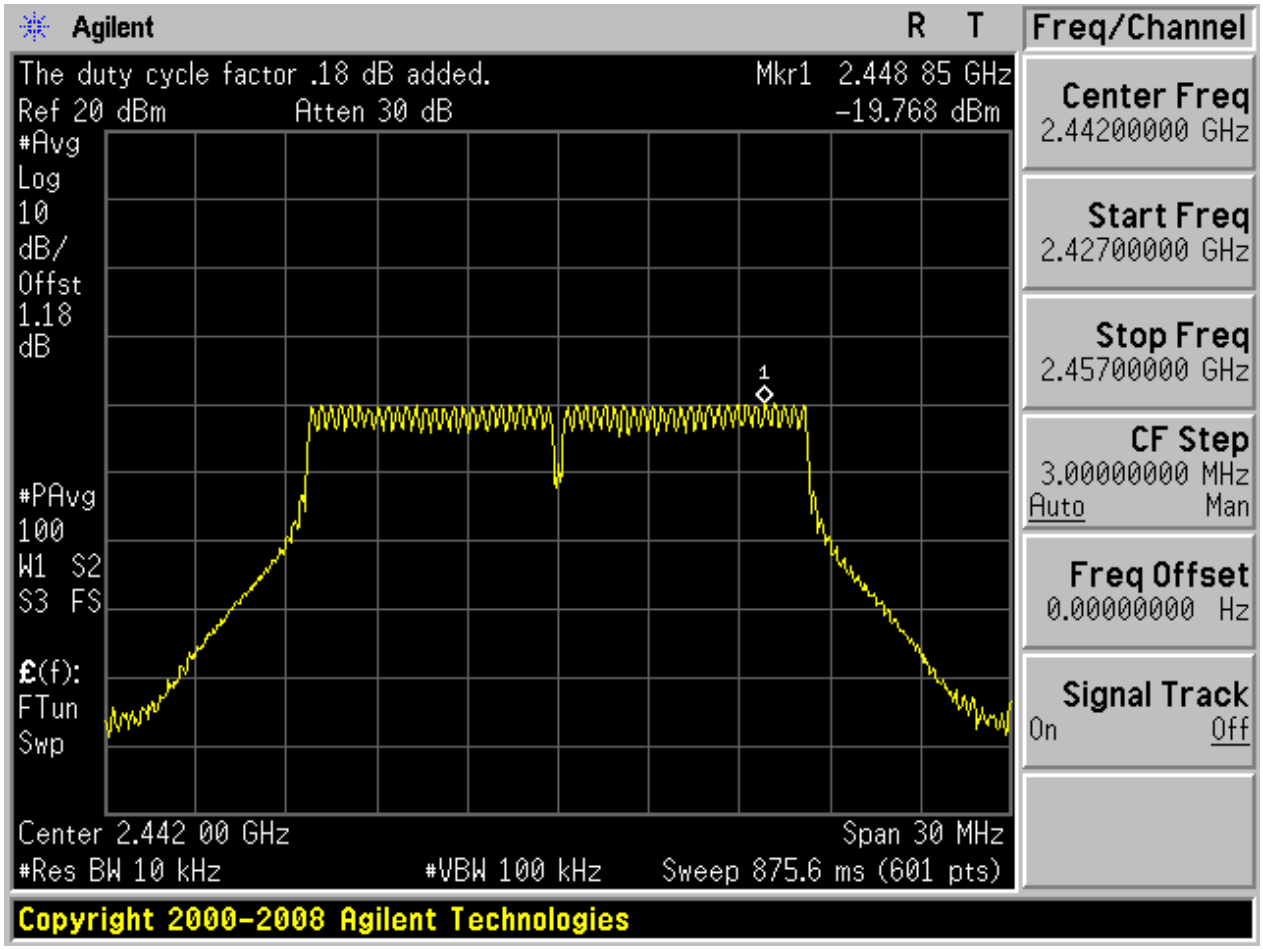

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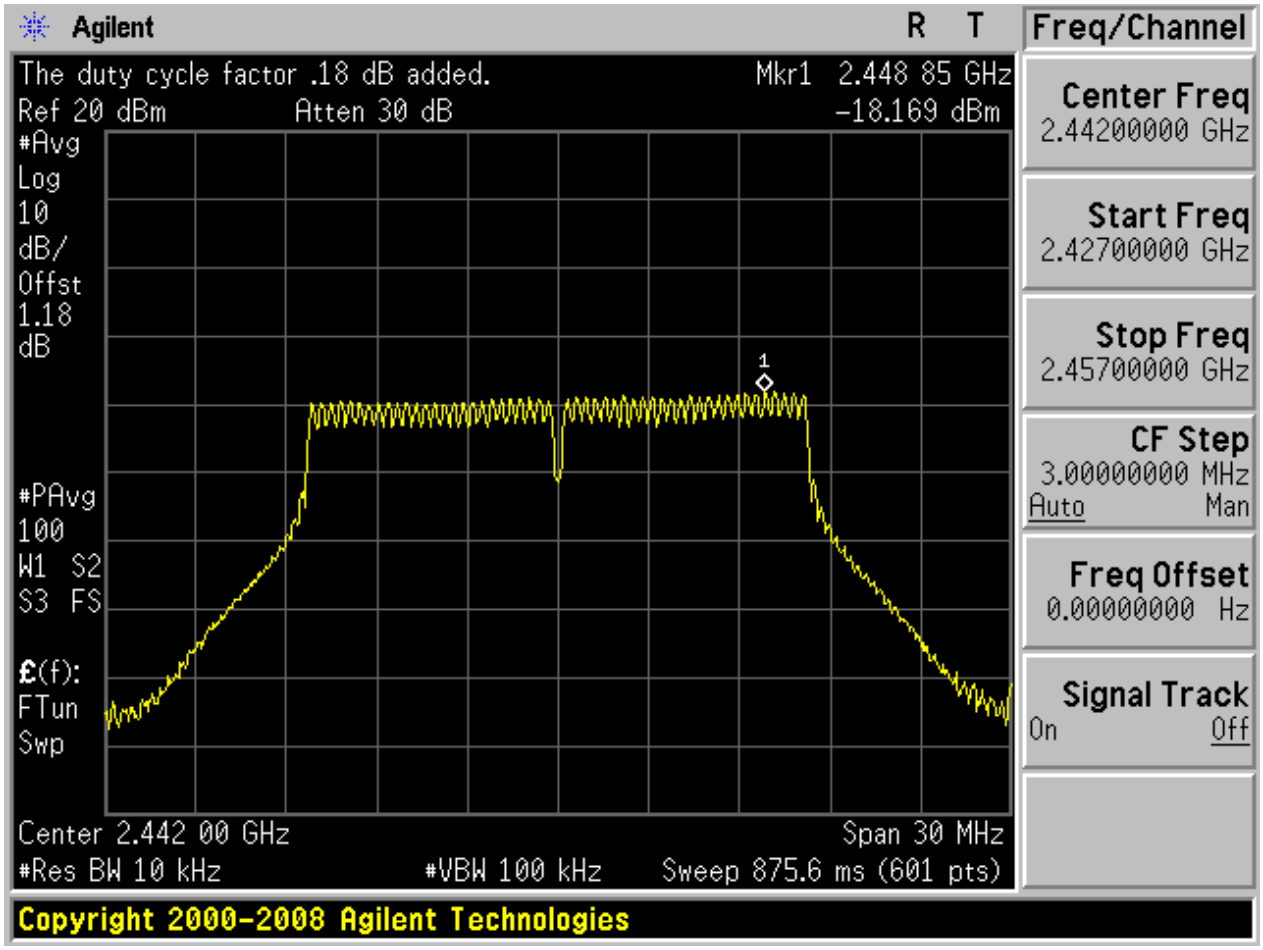

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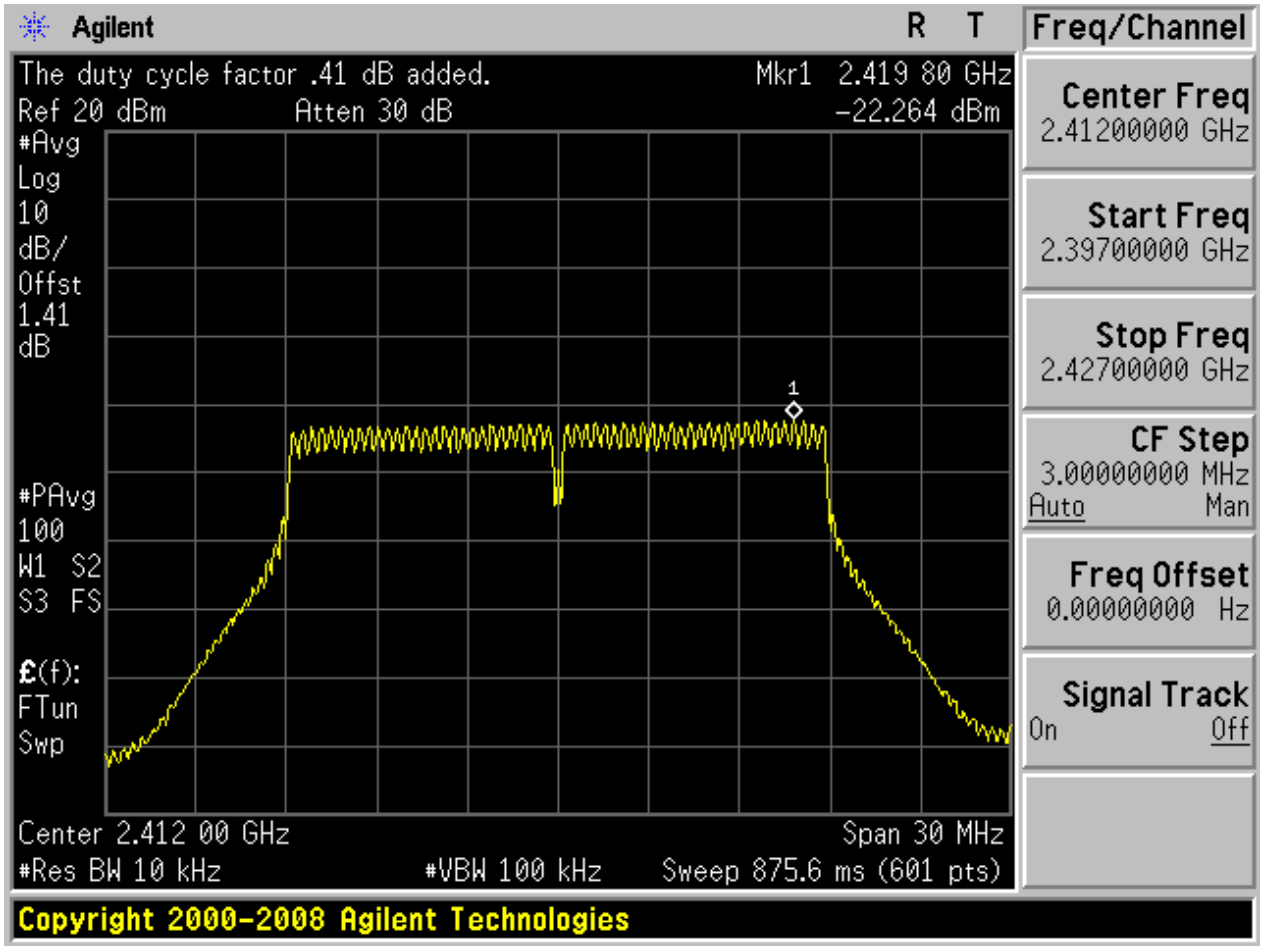

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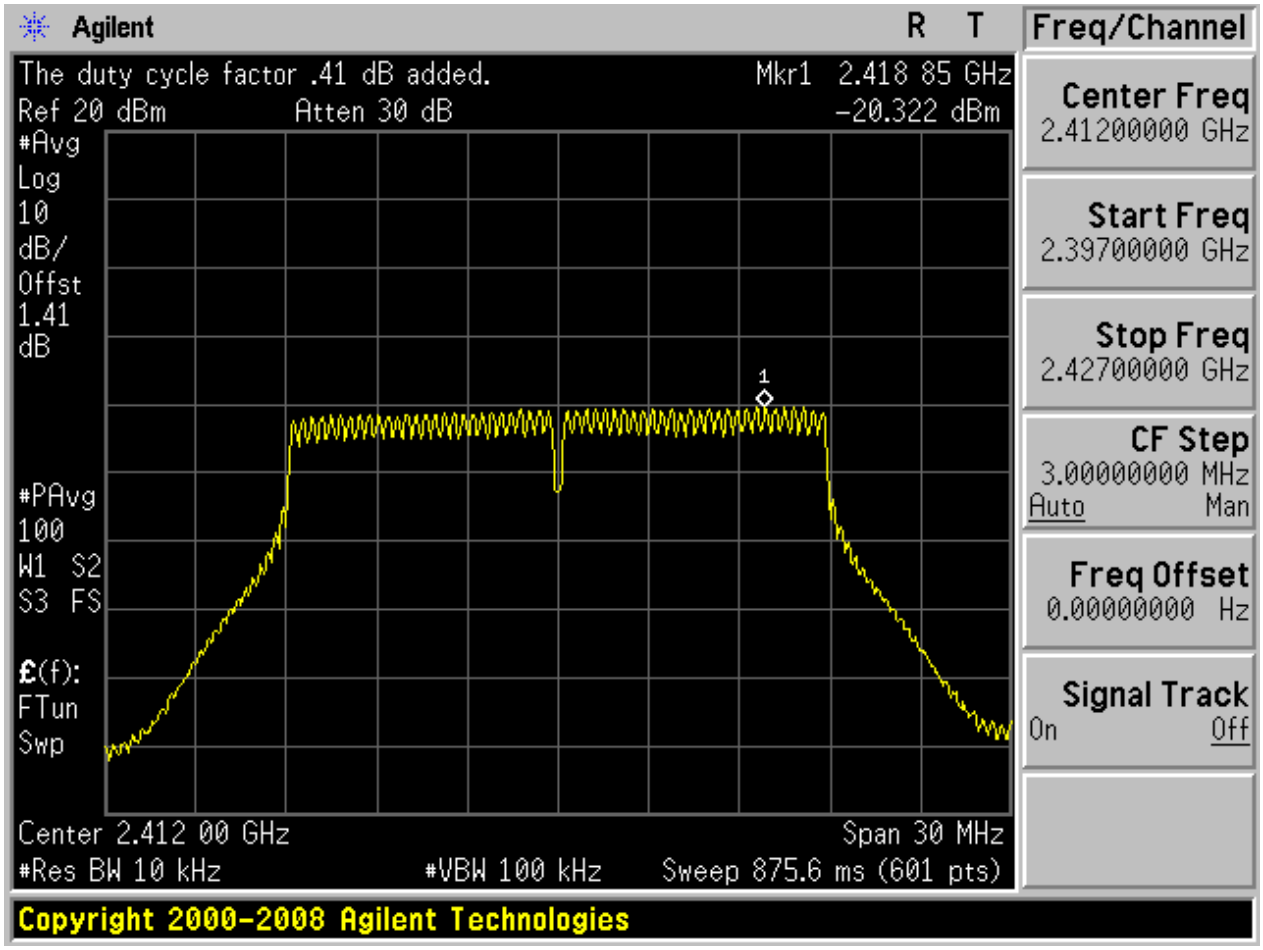

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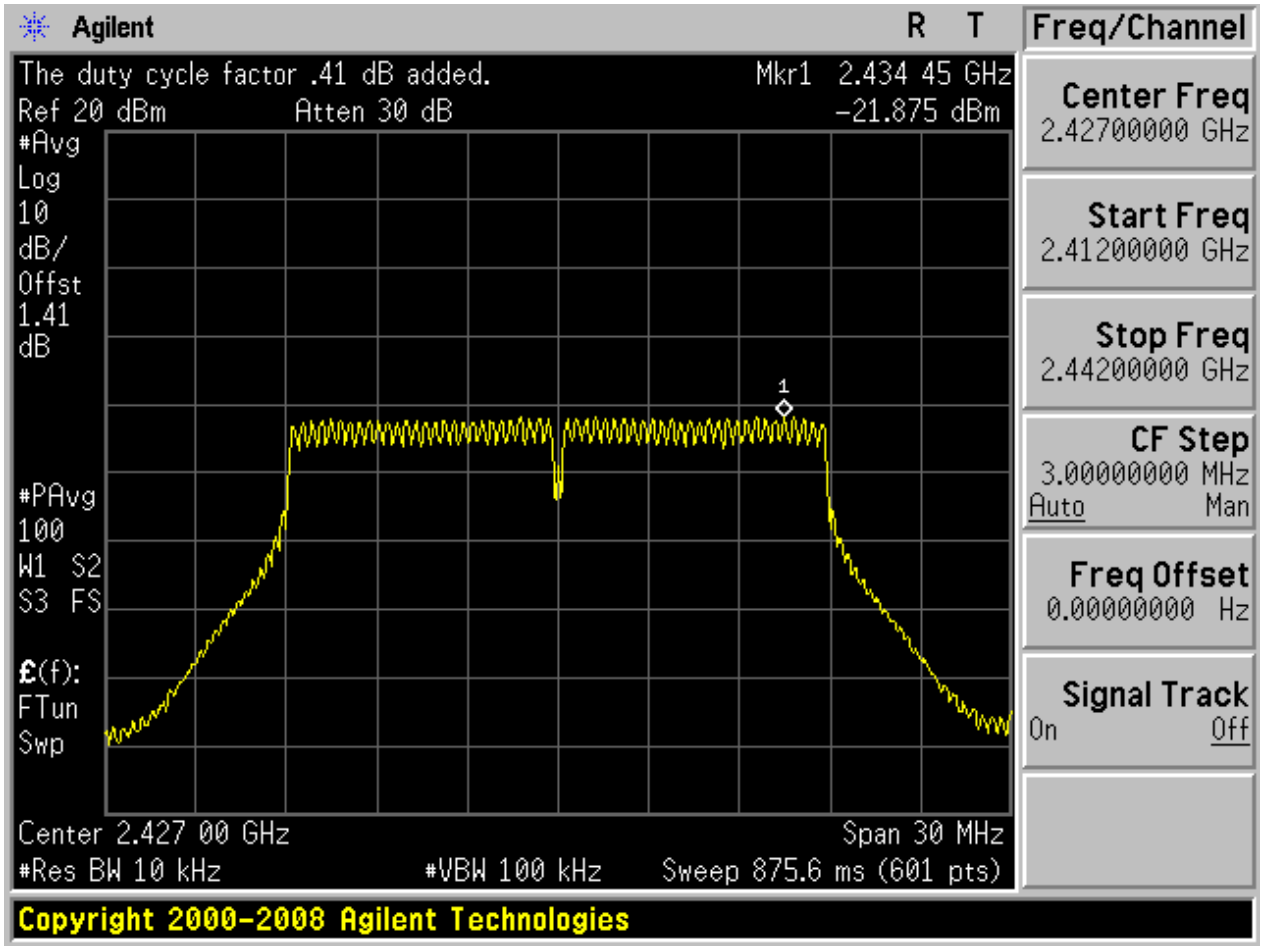

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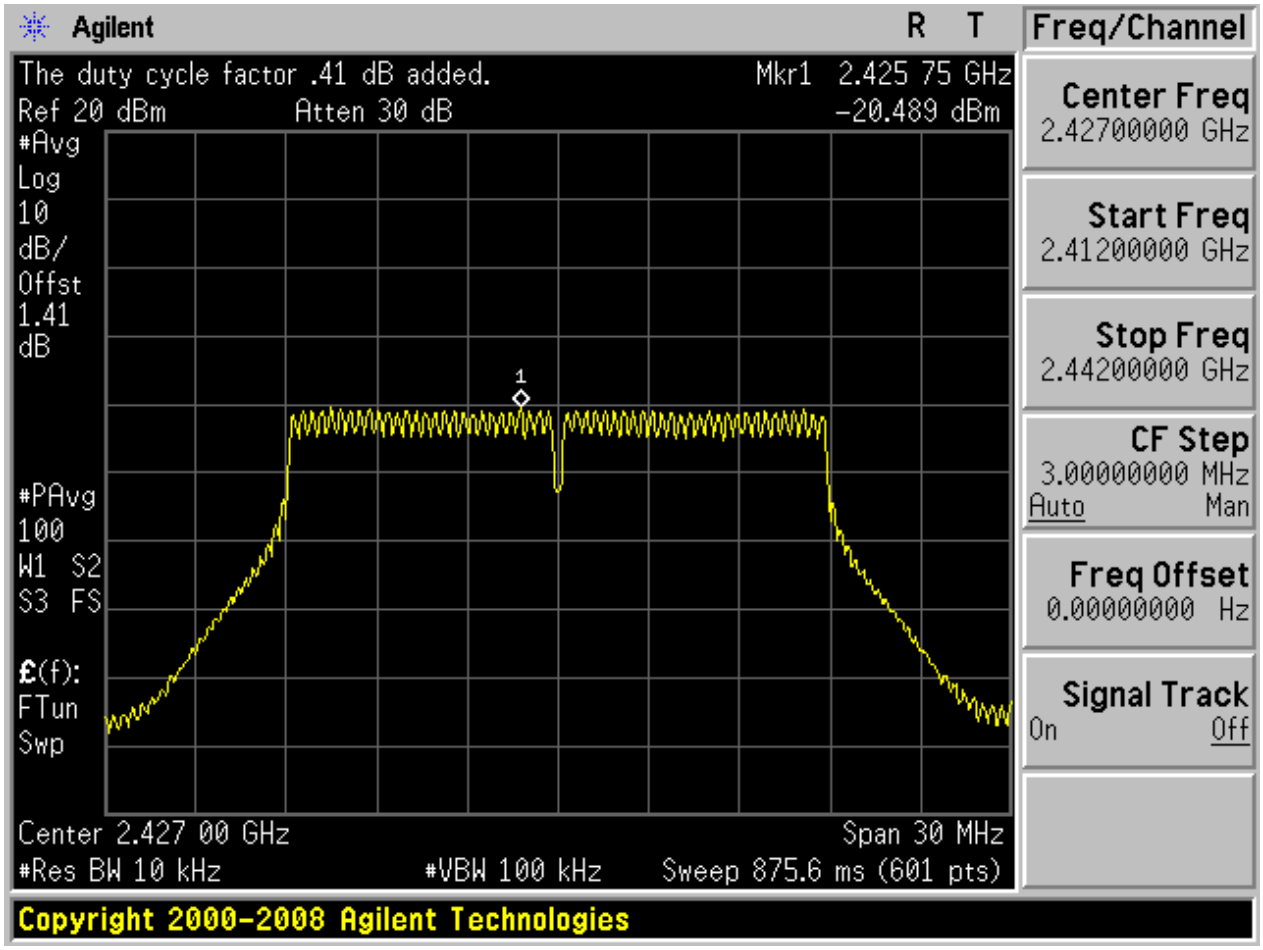

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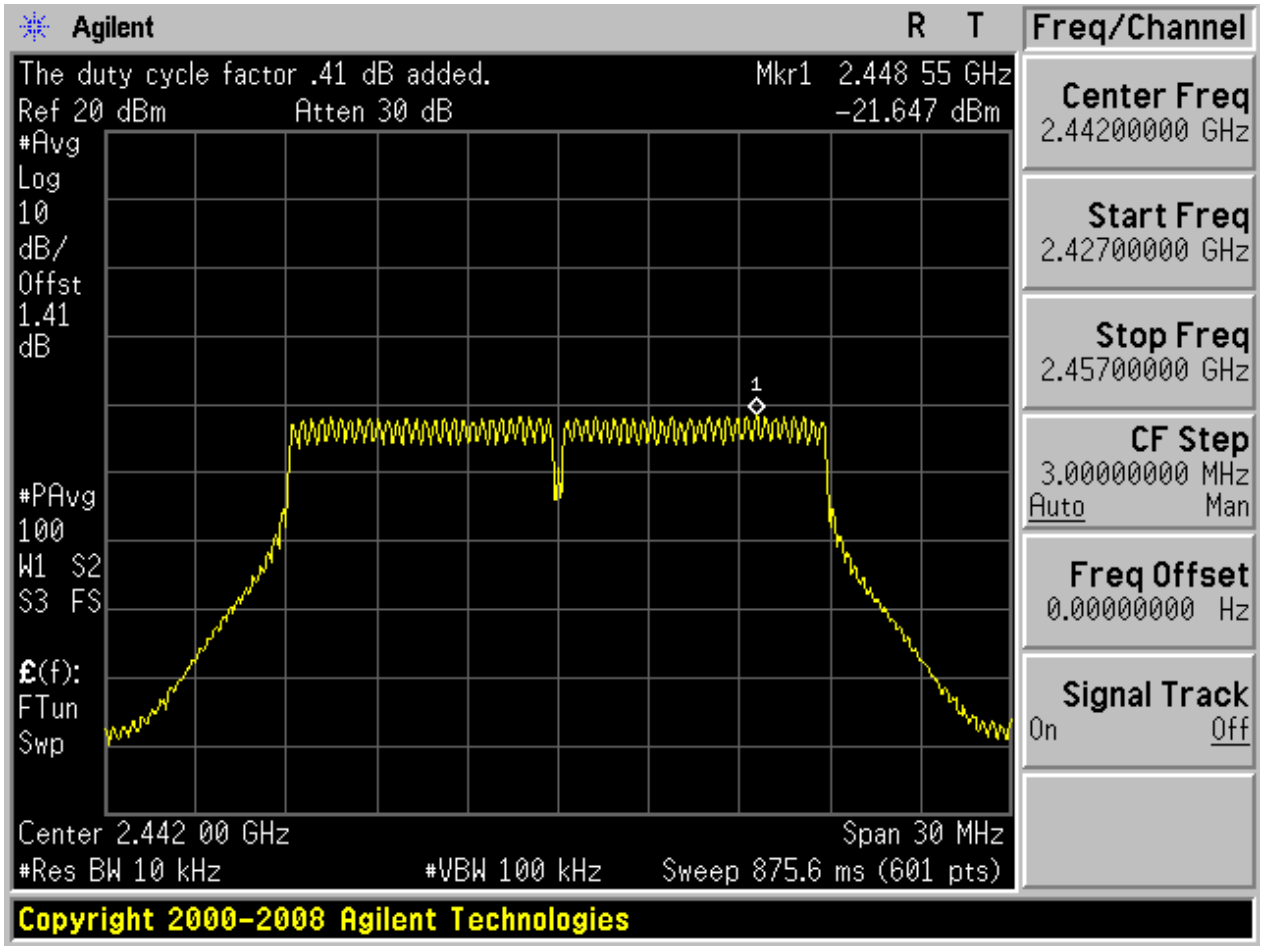

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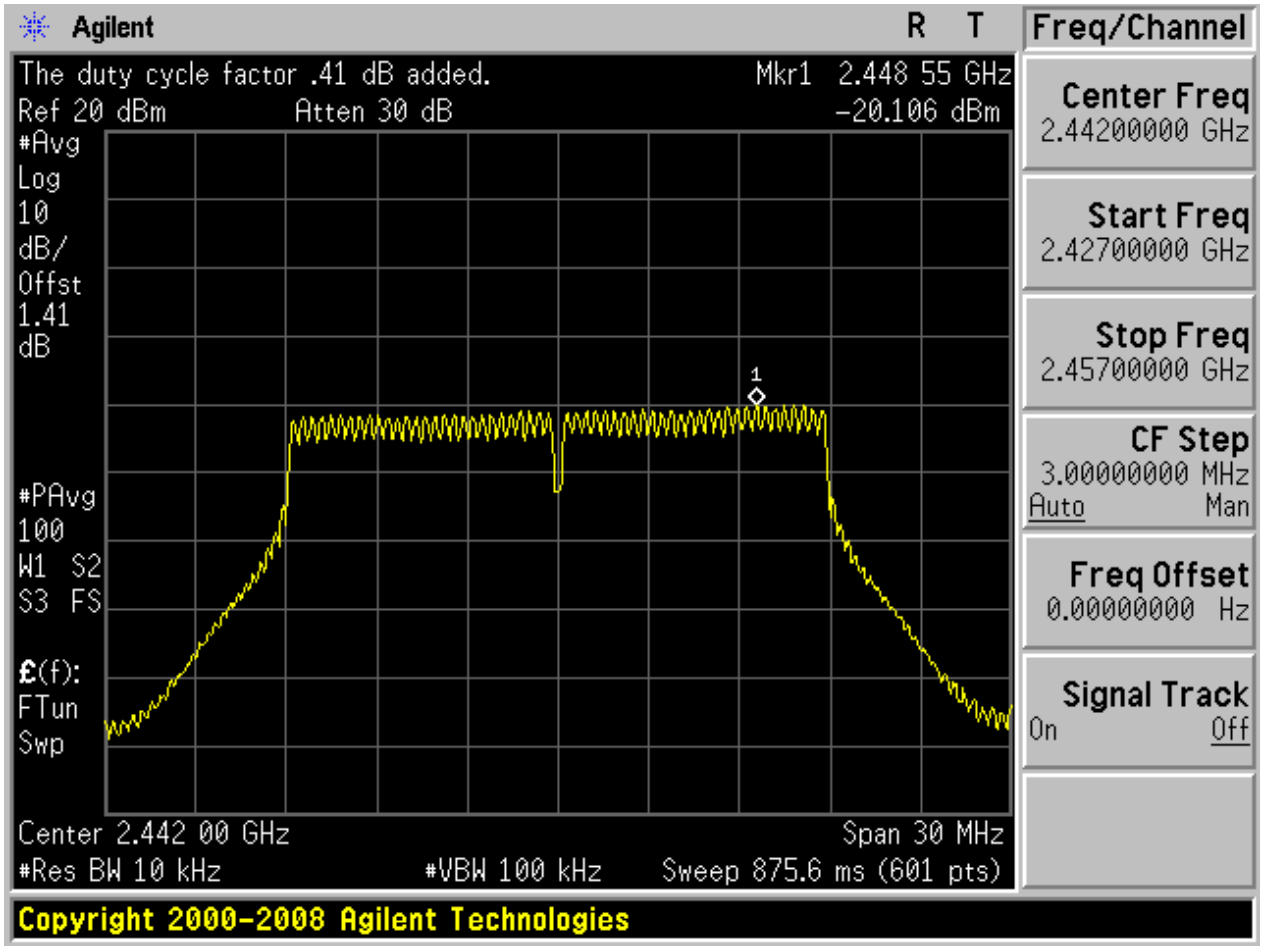

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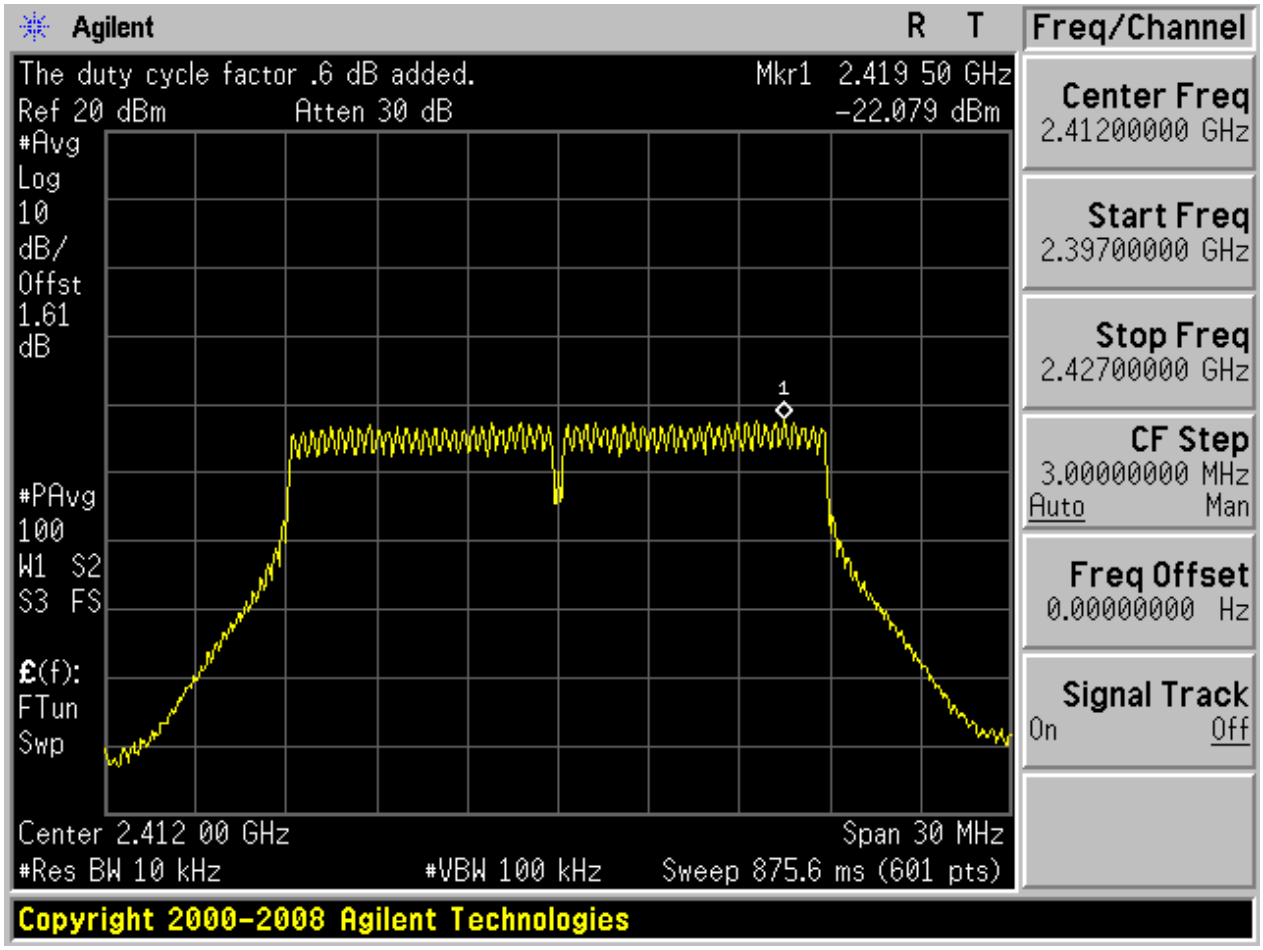

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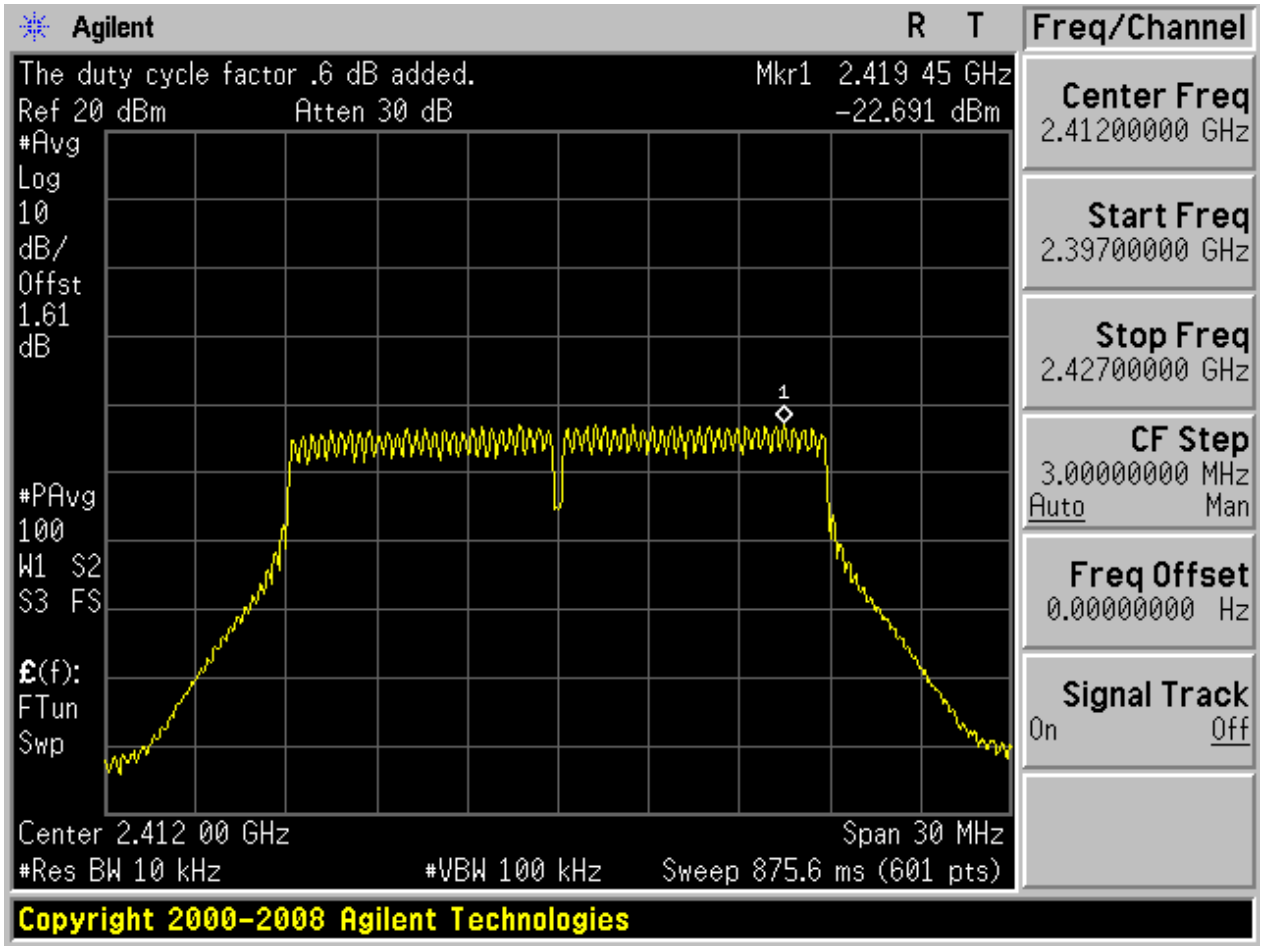

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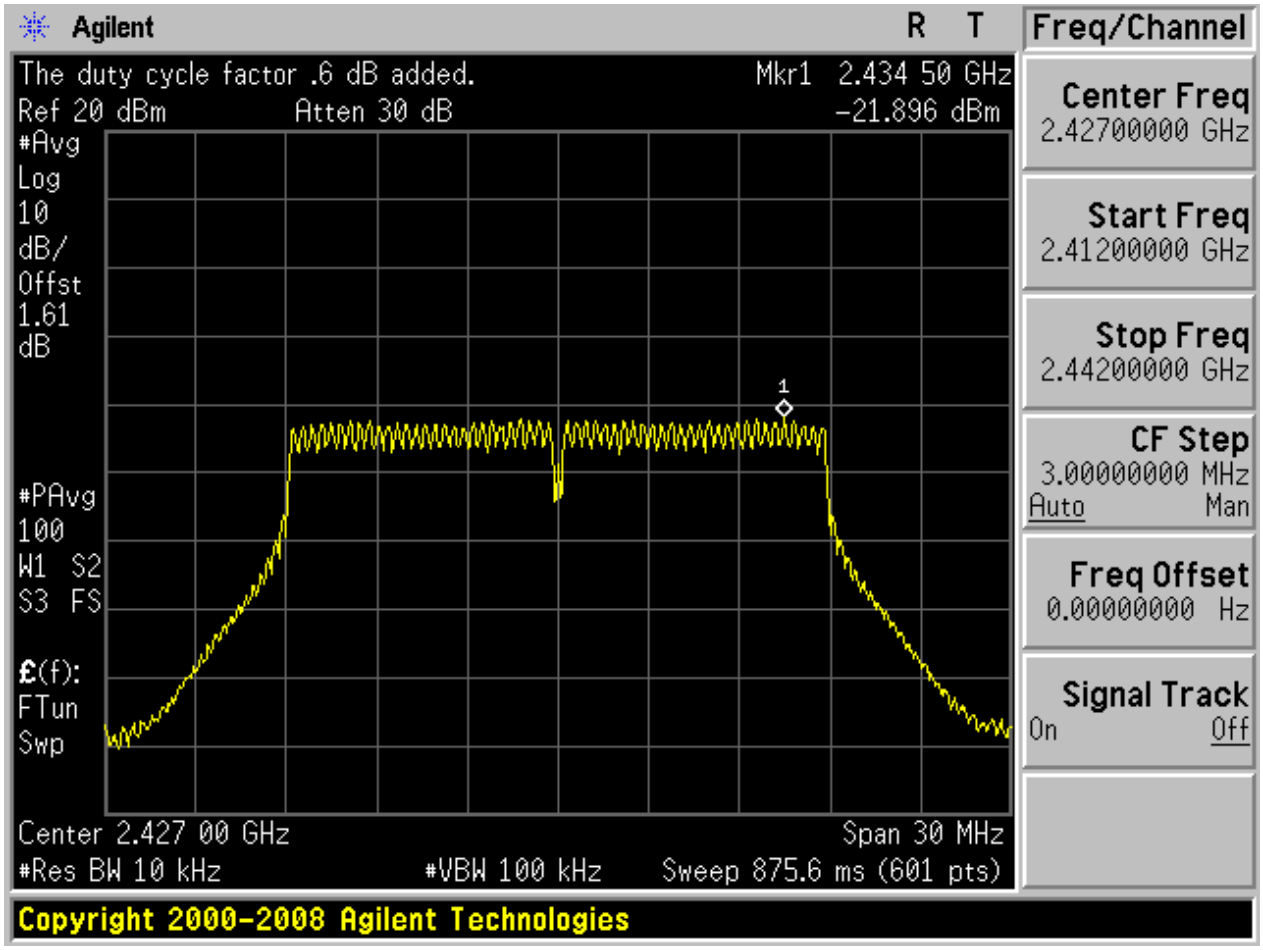

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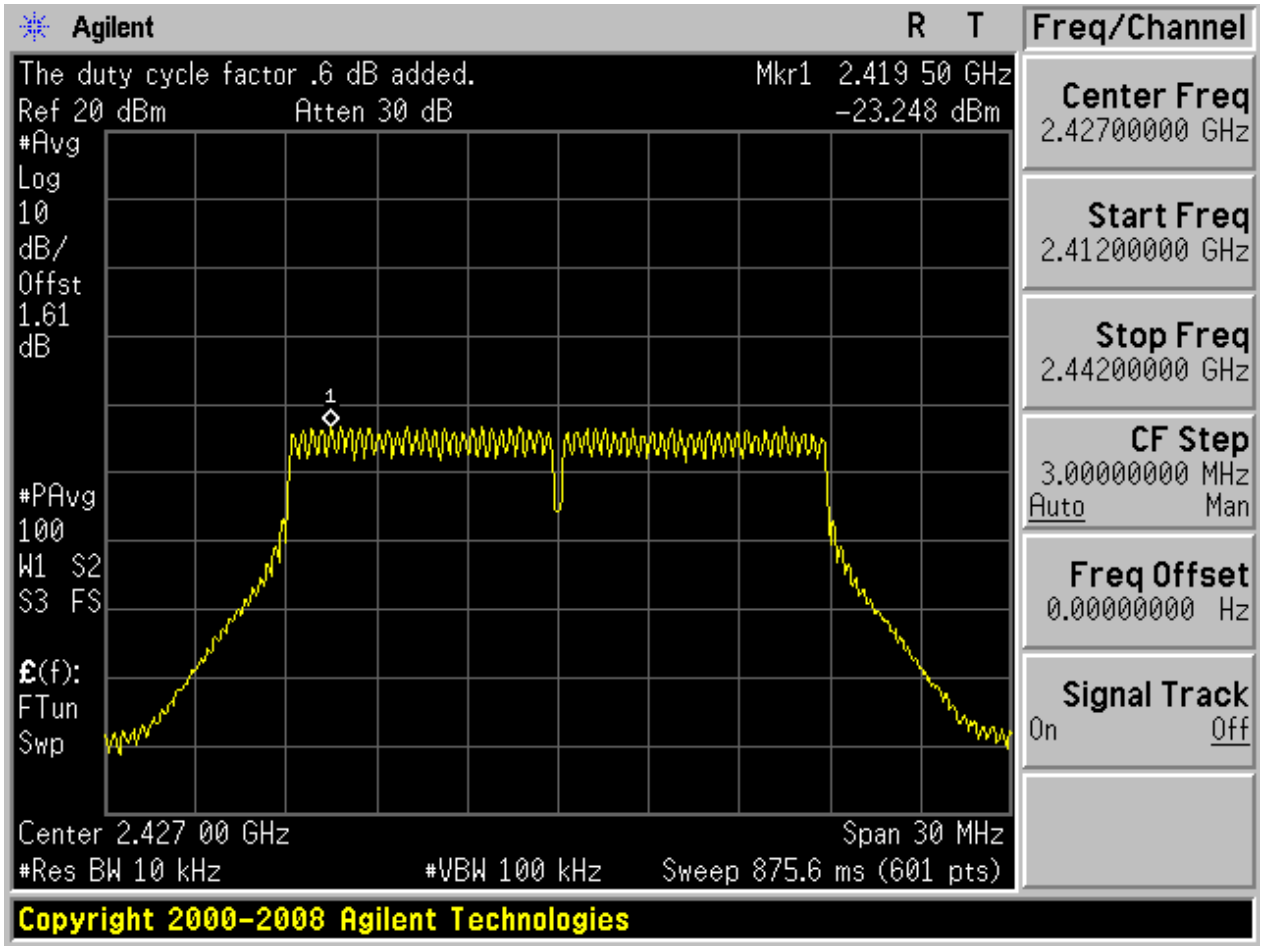

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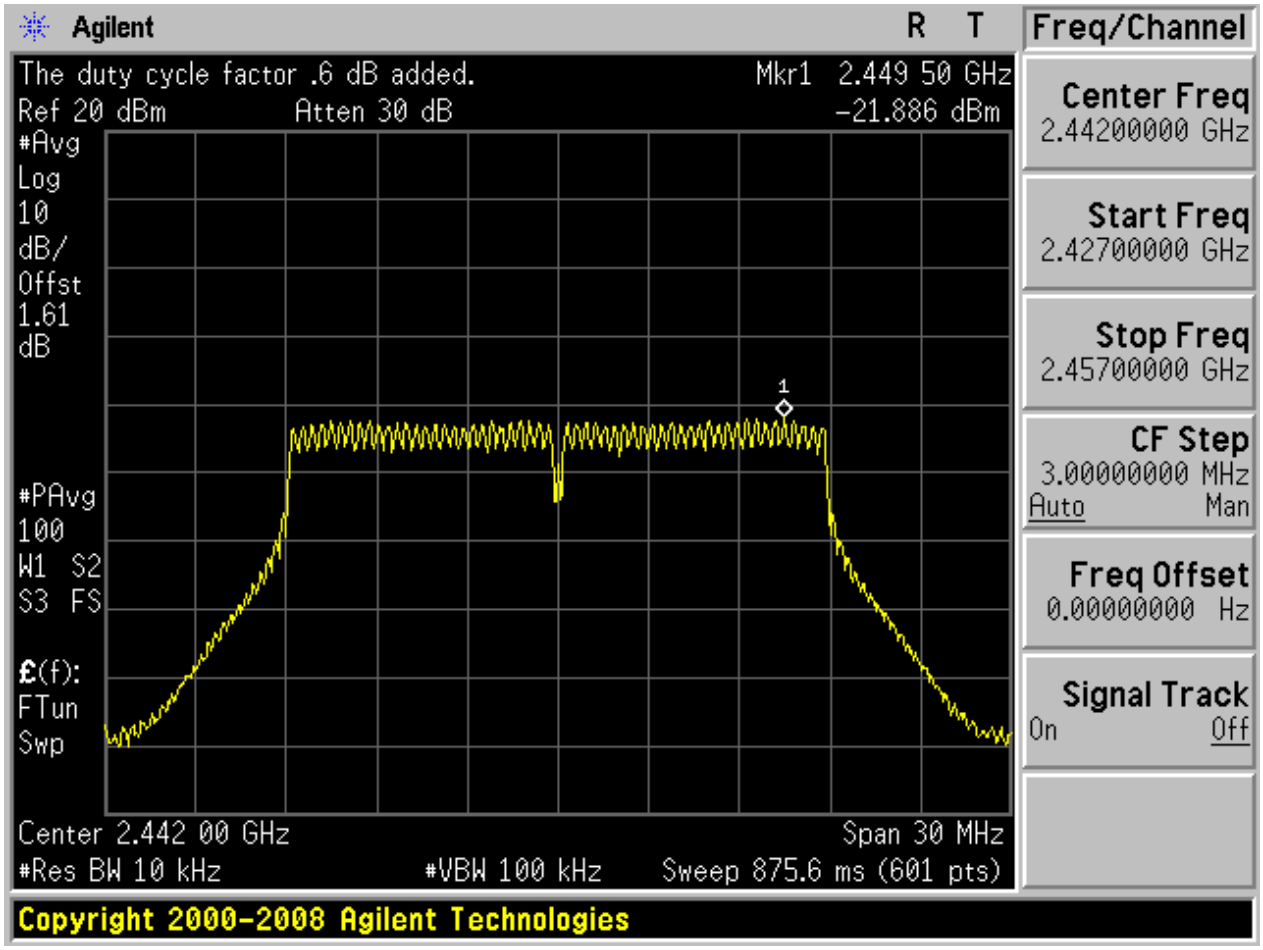

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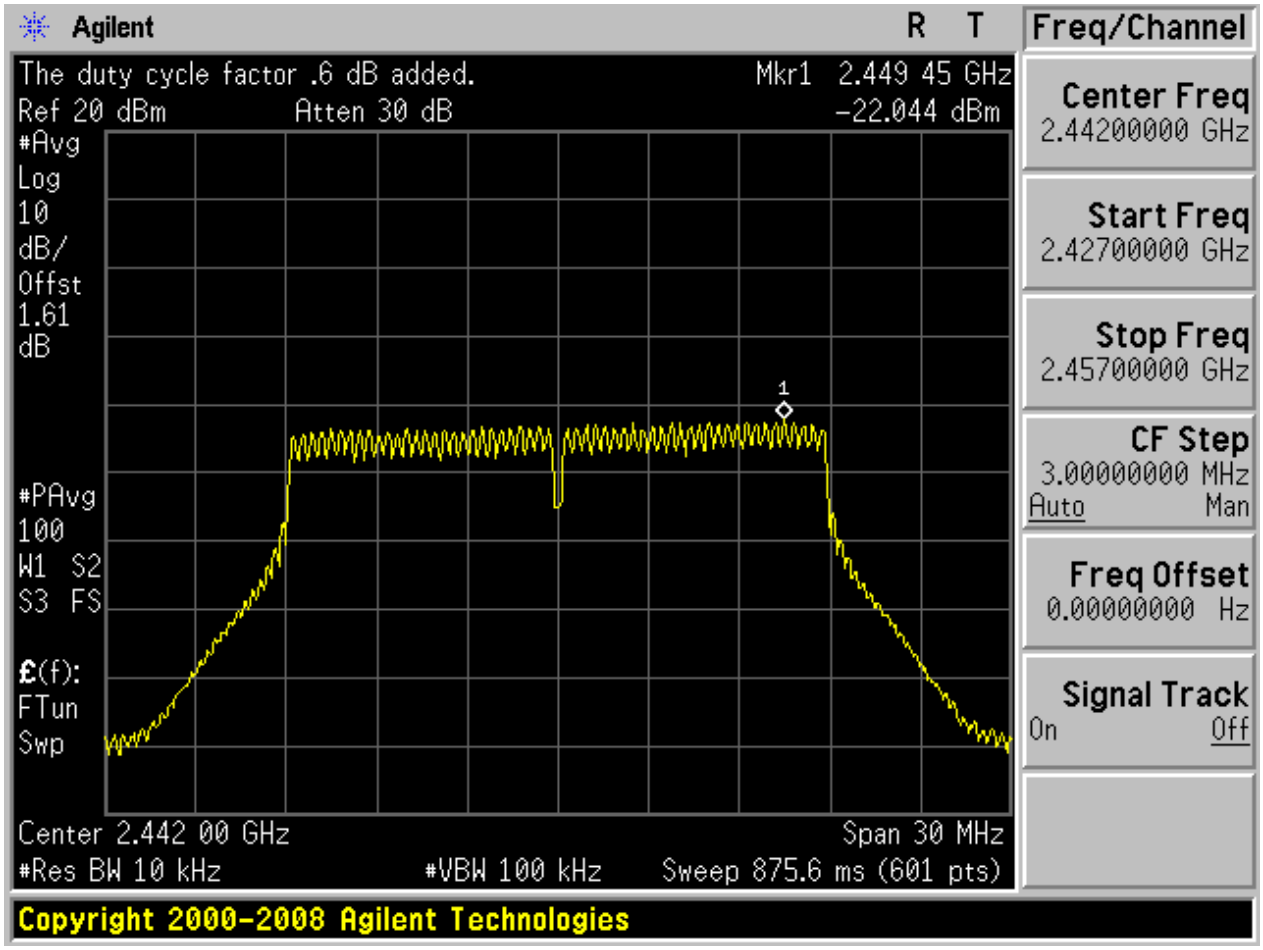

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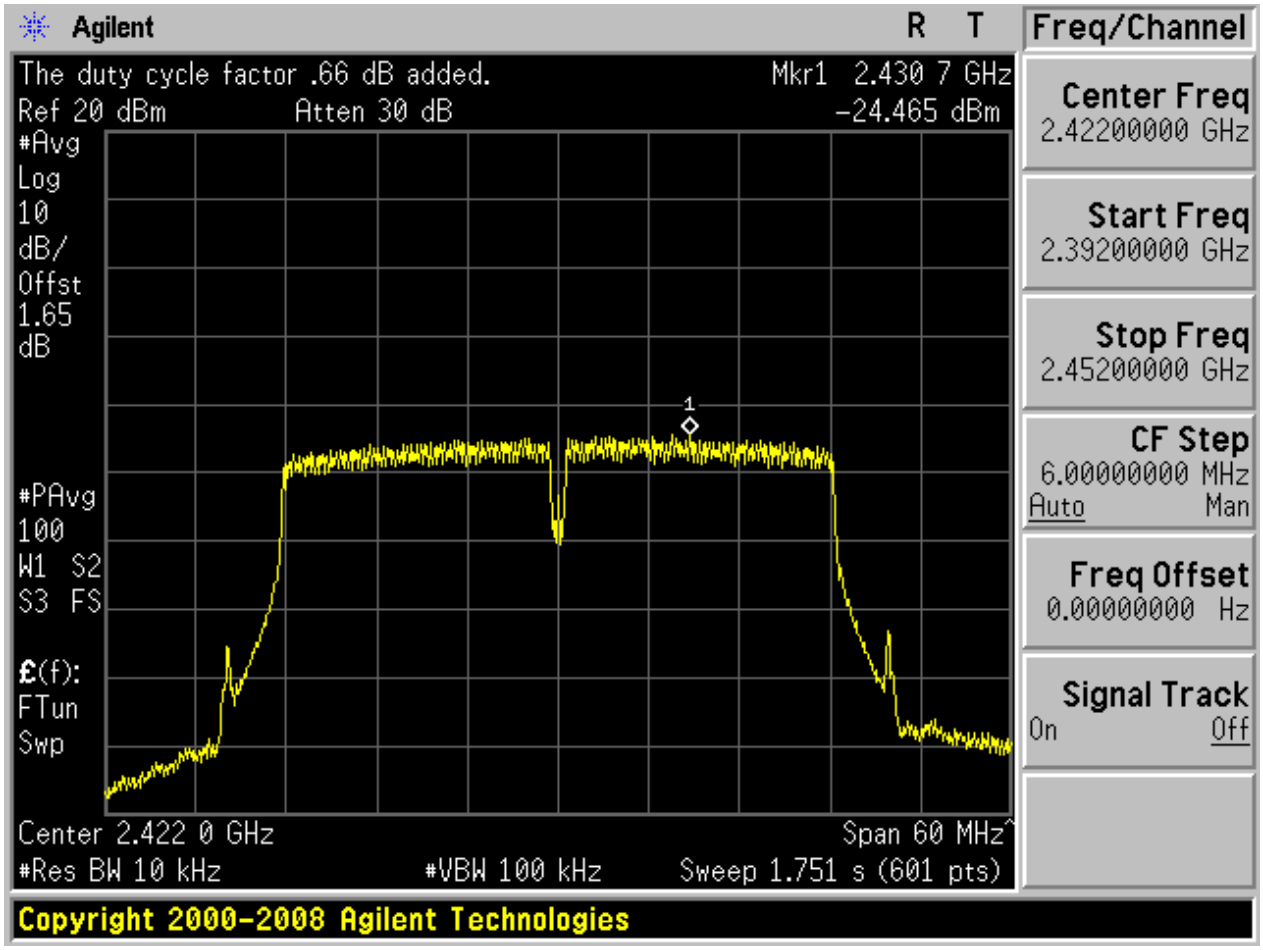

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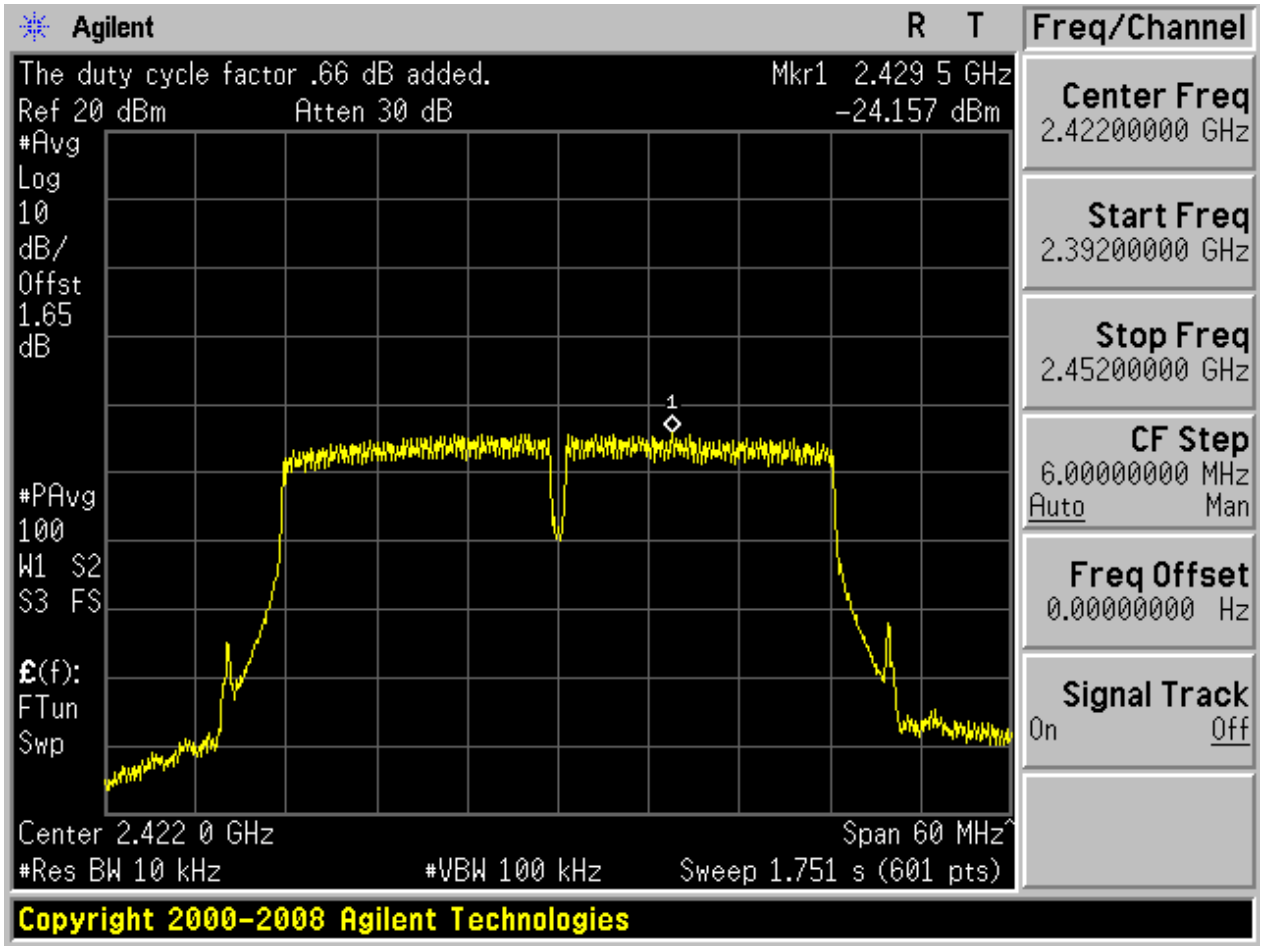

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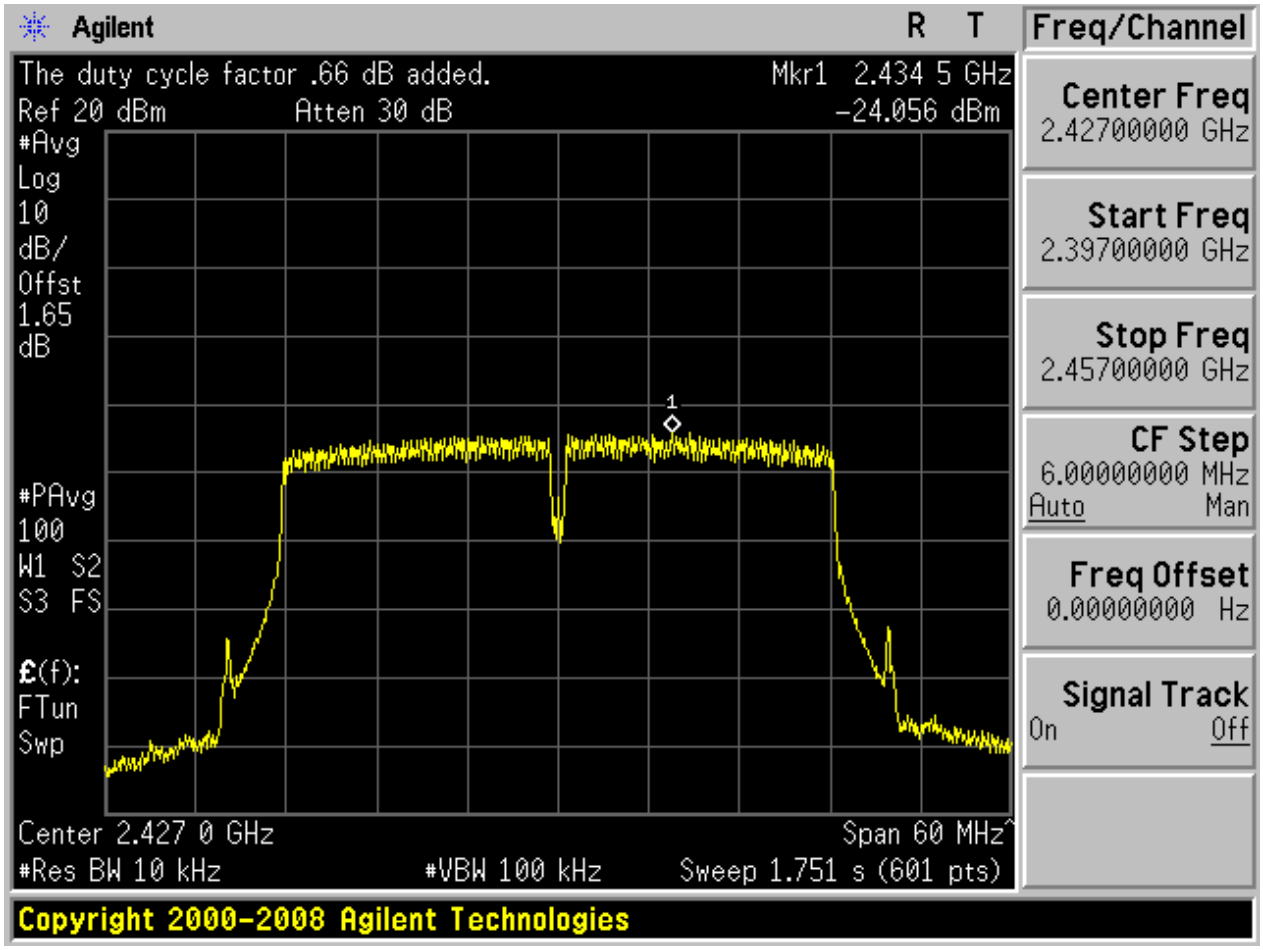

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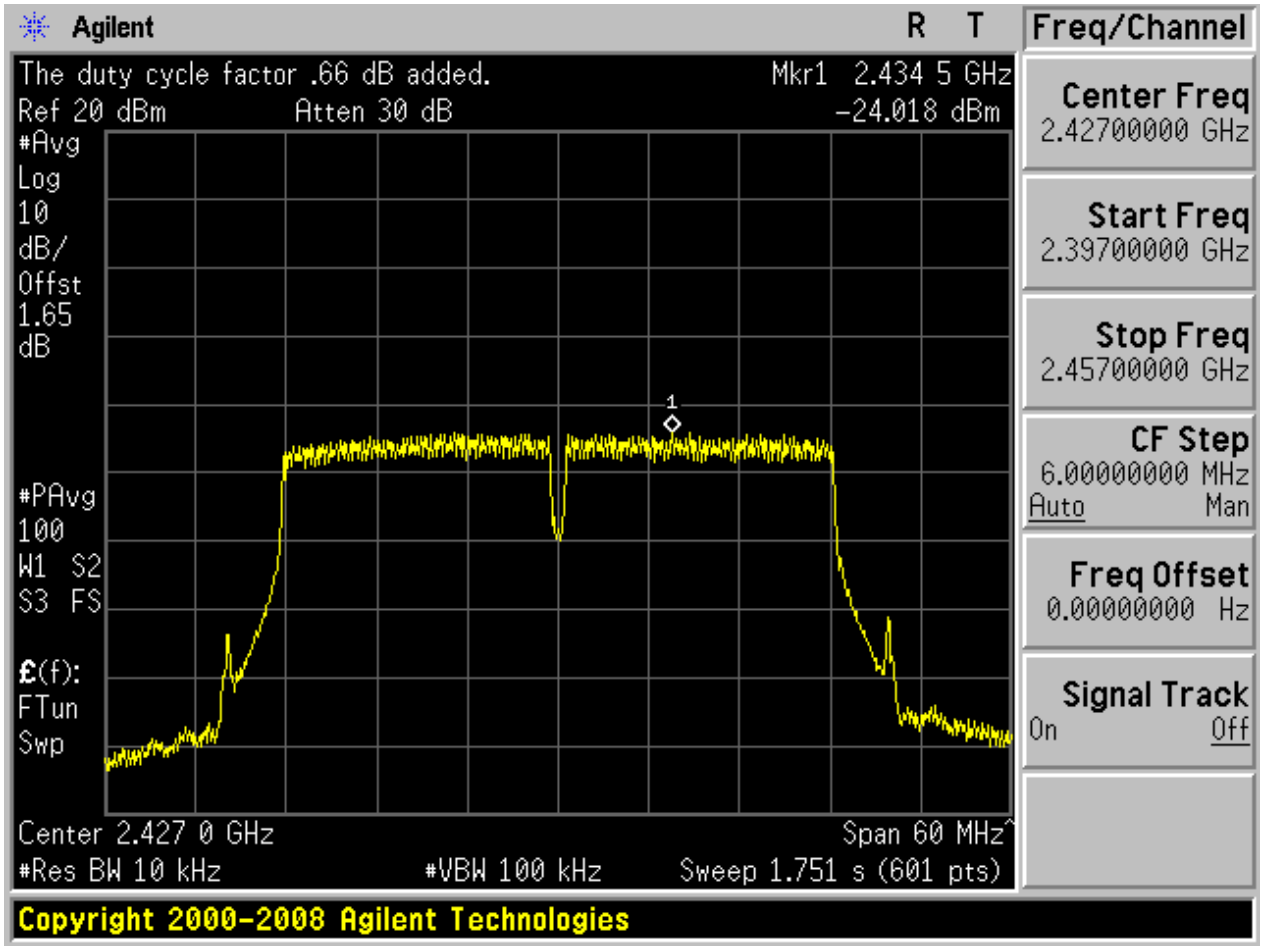

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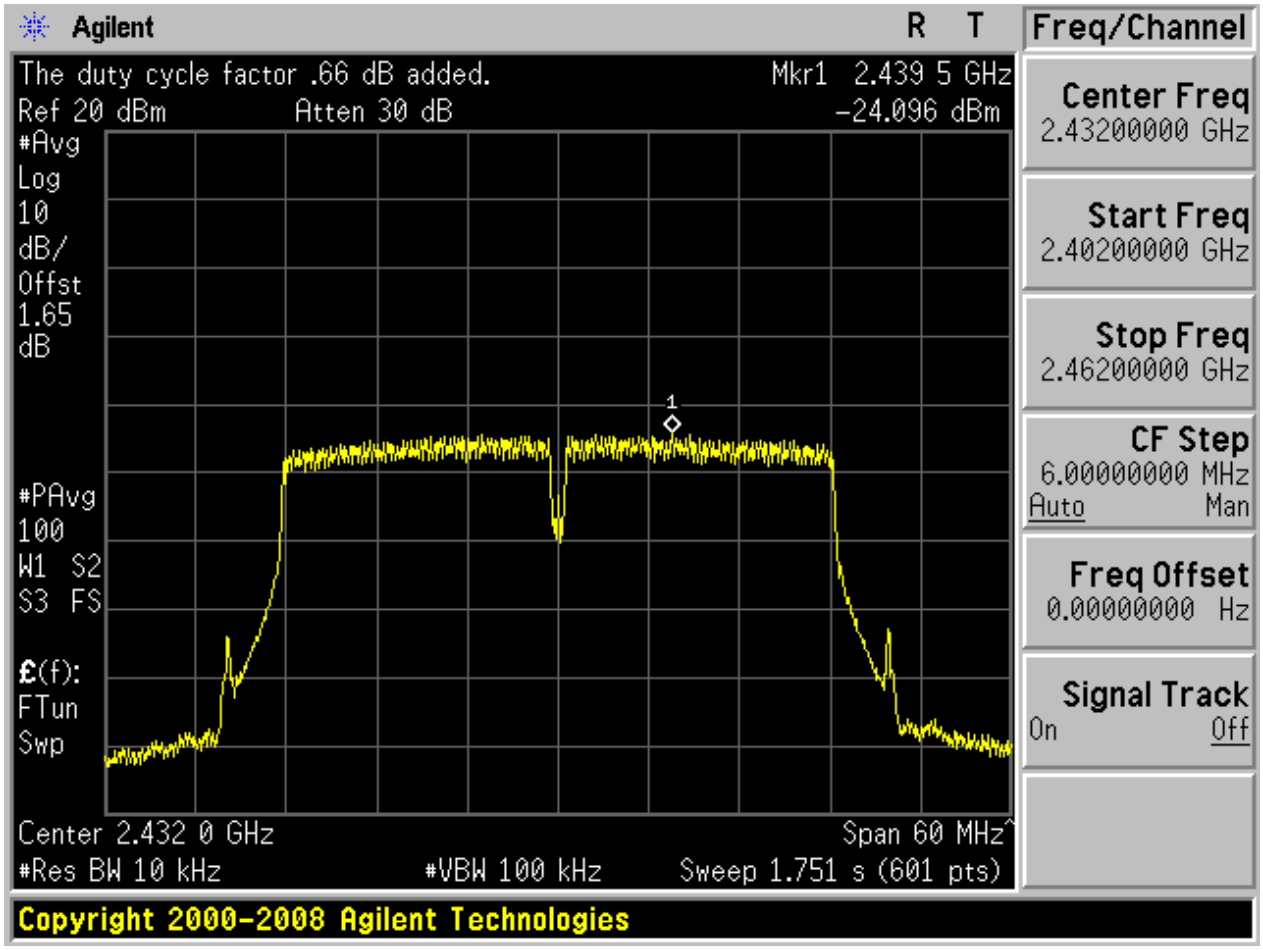

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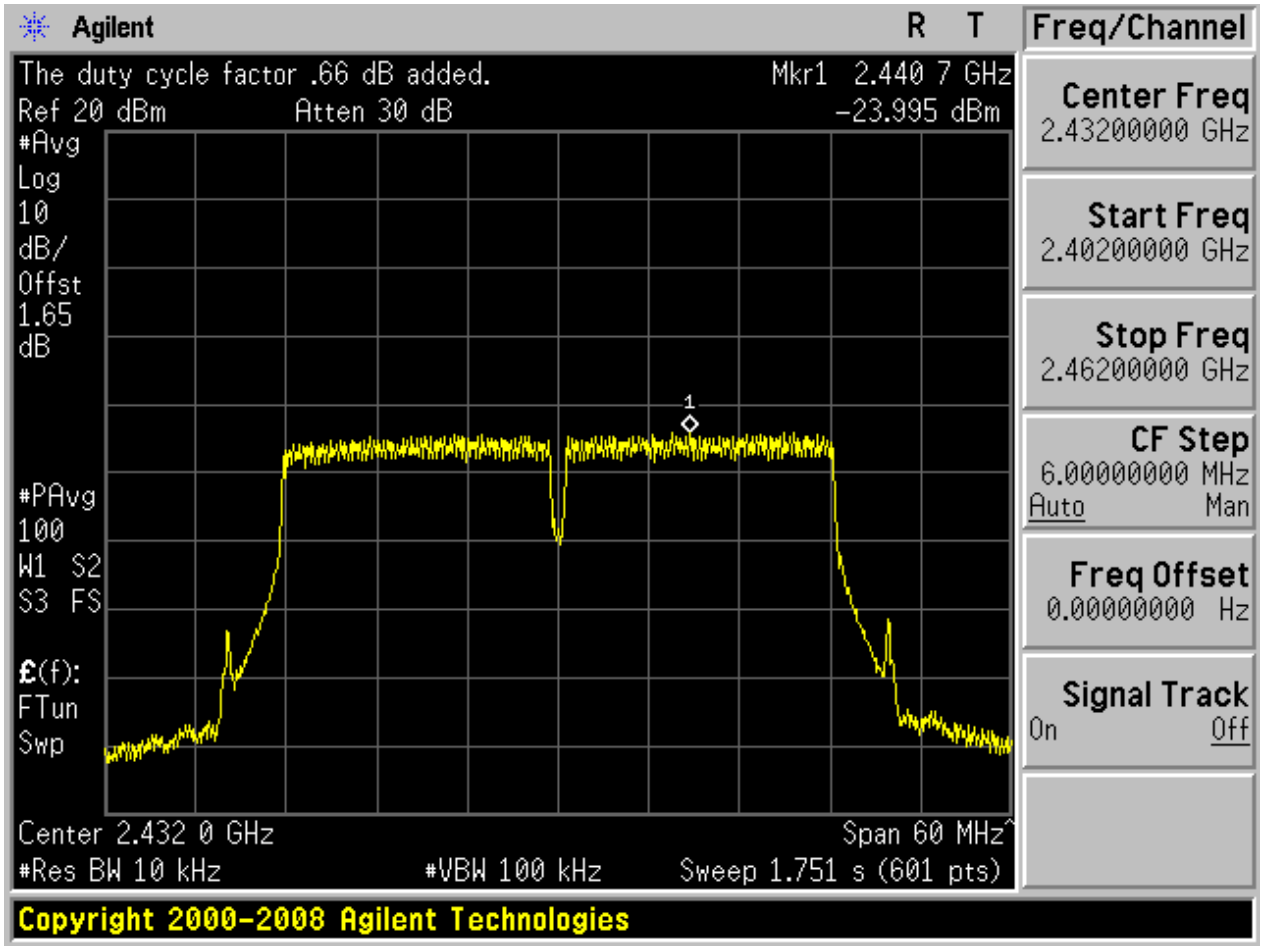

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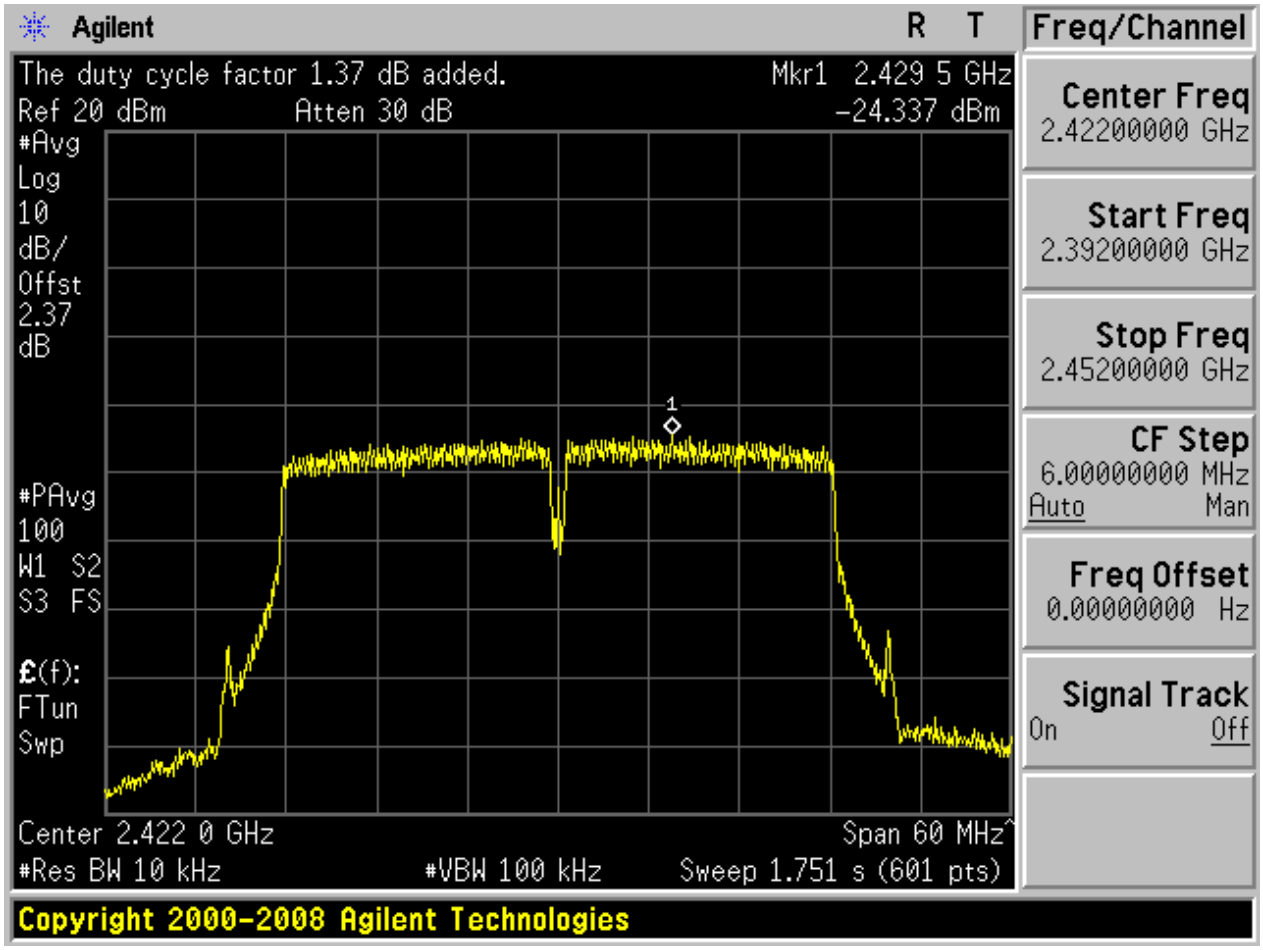

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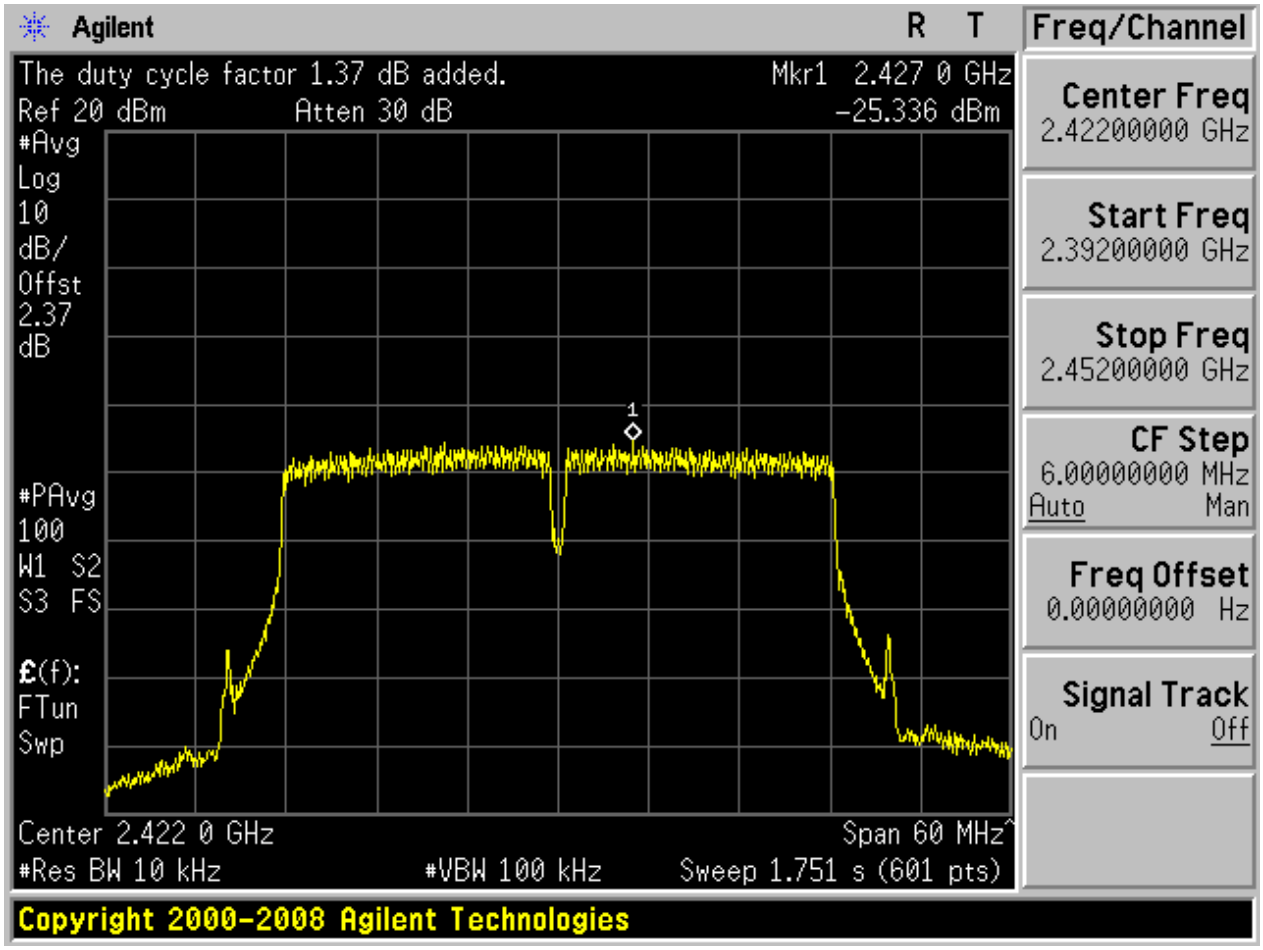

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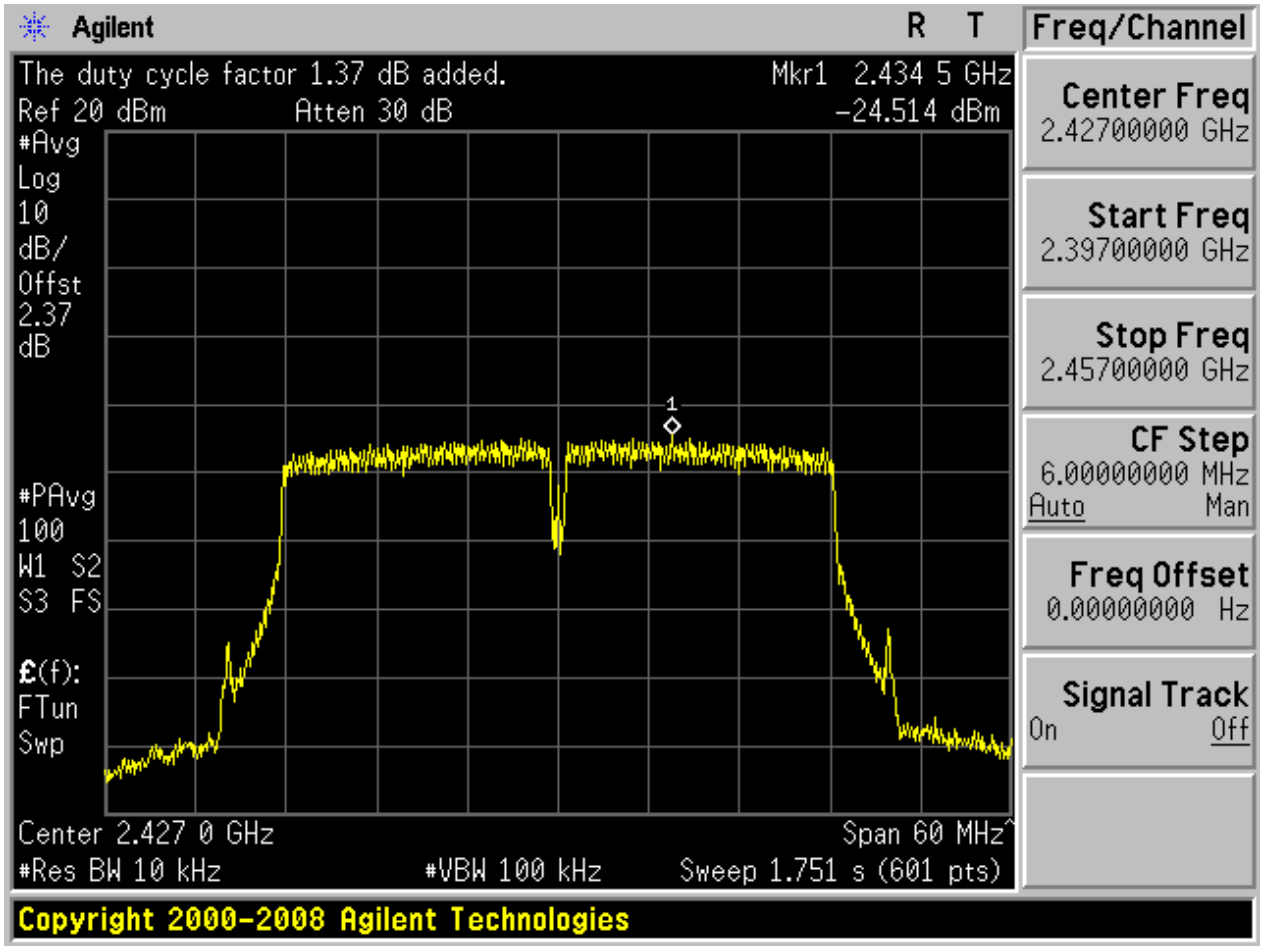

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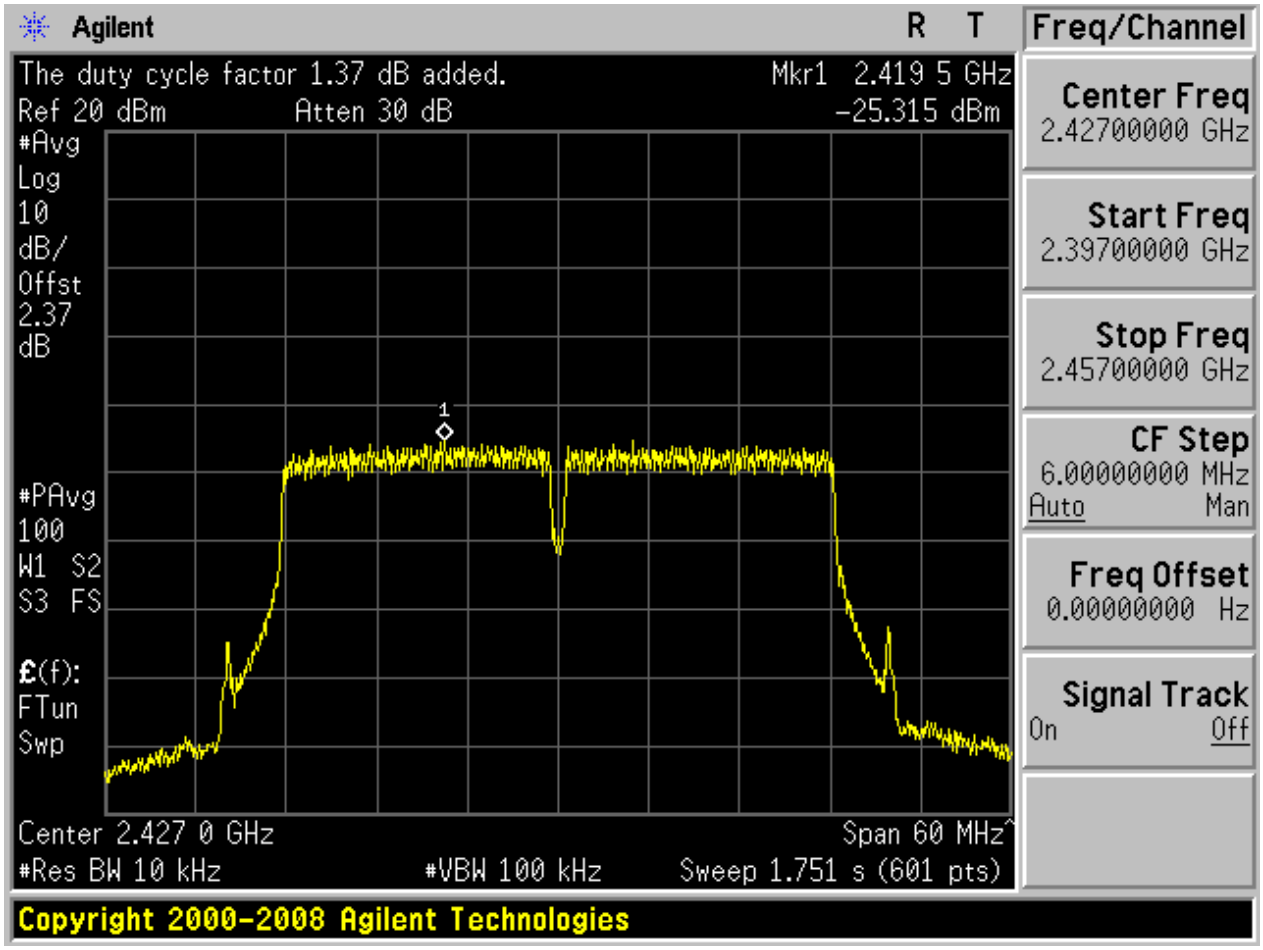

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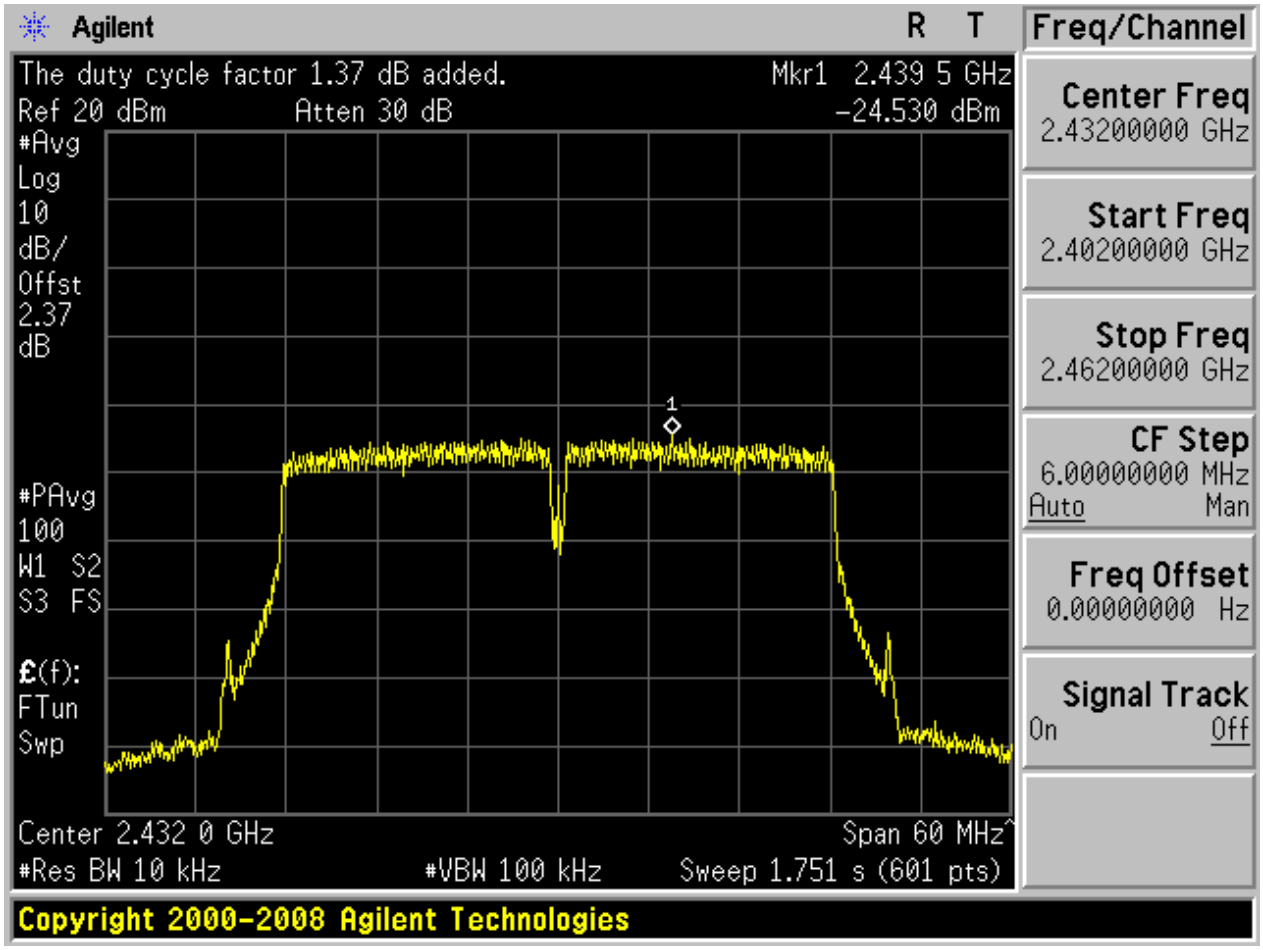

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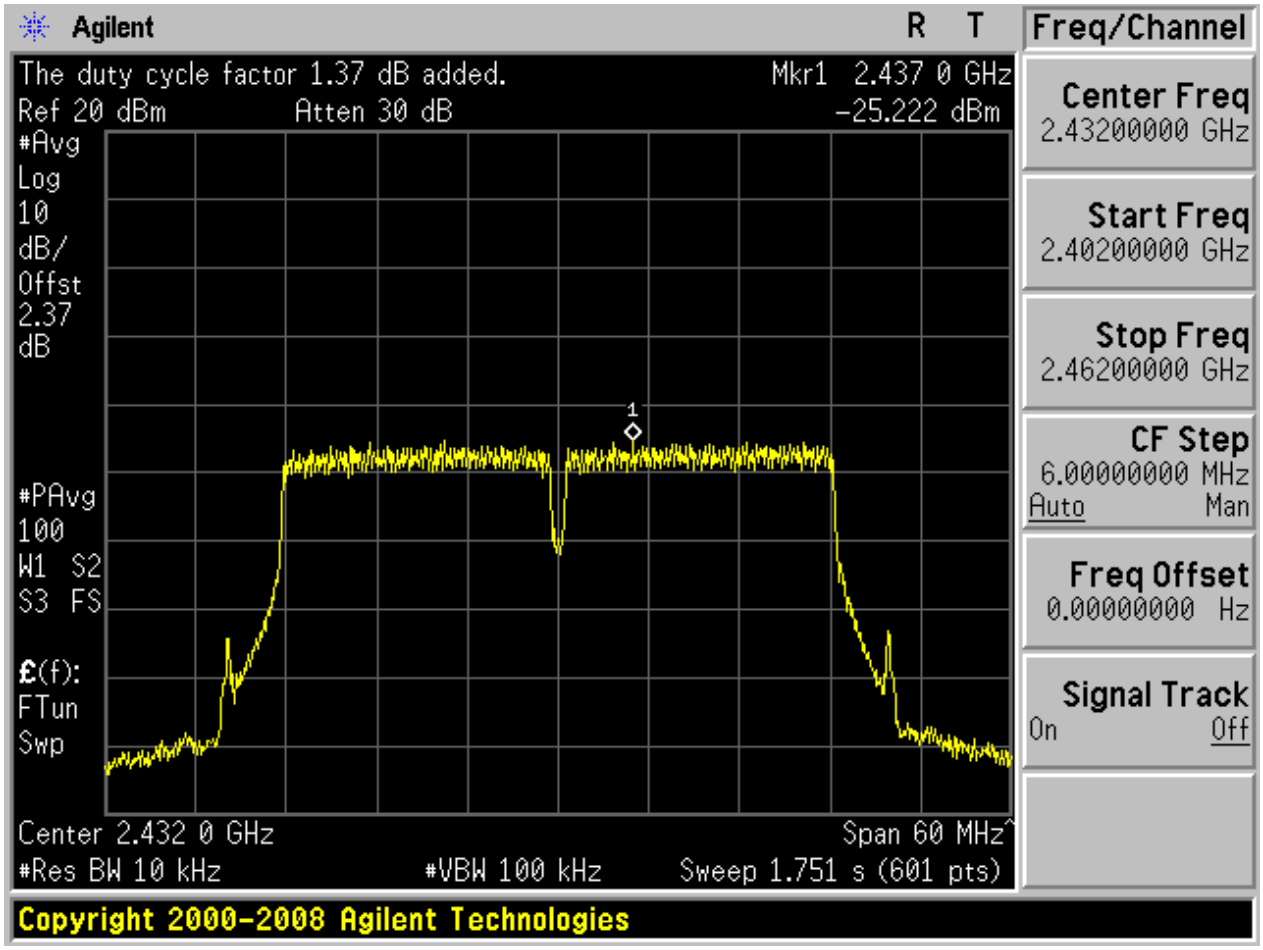

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Appendix E: Band Edges Compliance

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Carrier Power[dBm]	Max.Spurious Level[dBm]	Verdict
11B	L	2412	Ant 1	3.04	-53.37	pass
11B	L	2412	Ant 2	3.24	-54.39	pass
11B	H	2442	Ant 1	2.96	-53.14	pass
11B	H	2442	Ant 2	3.91	-54.99	pass
11G	L	2412	Ant 1	-2.15	-51.86	pass
11G	L	2412	Ant 2	-0.22	-55.29	pass
11G	H	2442	Ant 1	-1.47	-55.06	pass
11G	H	2442	Ant 2	0.45	-53.03	pass
11N20	L	2412	Ant 1	-3.96	-54.26	pass
11N20	L	2412	Ant 2	-2.19	-54.35	pass
11N20	H	2442	Ant 1	-3.2	-54.08	pass
11N20	H	2442	Ant 2	-2.61	-52.53	pass
11N20m	L	2412	Ant 1	-4.67	-54.89	pass
11N20m	L	2412	Ant 2	-4.11	-53.30	pass
11N20m	H	2442	Ant 1	-4.43	-53.54	pass
11N20m	H	2442	Ant 2	-4.11	-54.06	pass
11N40	L	2422	Ant 1	-6.12	-54.52	pass
11N40	L	2422	Ant 2	-5.28	-53.41	pass
11N40	H	2432	Ant 1	-5.68	-52.42	pass
11N40	H	2432	Ant 2	-5.62	-53.64	pass
11N40m	L	2422	Ant 1	-6.91	-54.10	pass
11N40m	L	2422	Ant 2	-6.66	-53.73	pass
11N40m	H	2432	Ant 1	-6.74	-53.83	pass
11N40m	H	2432	Ant 2	-7.35	-53.26	pass

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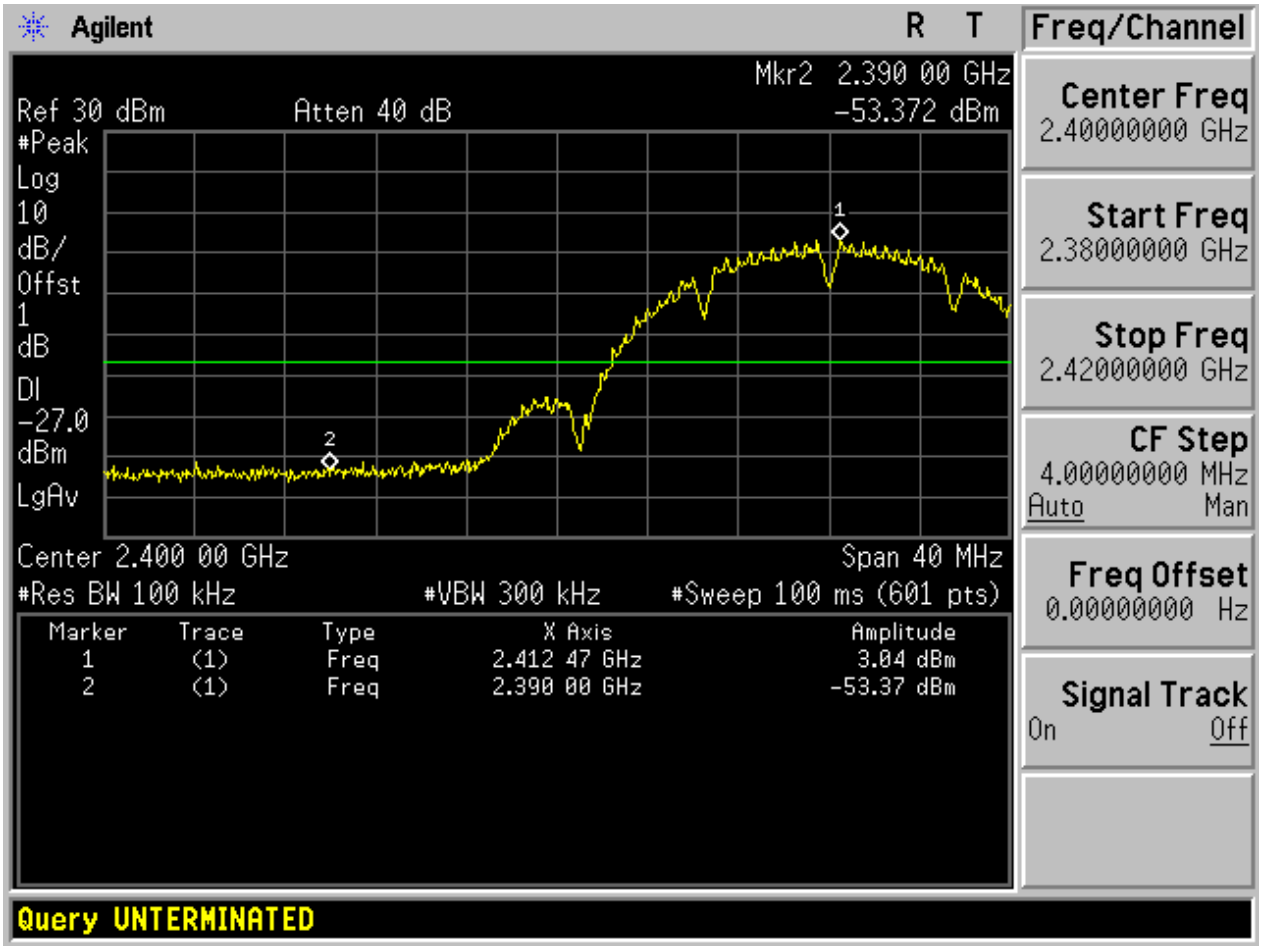
Part II - Test Plots

2.1 11B_L@Ant 1



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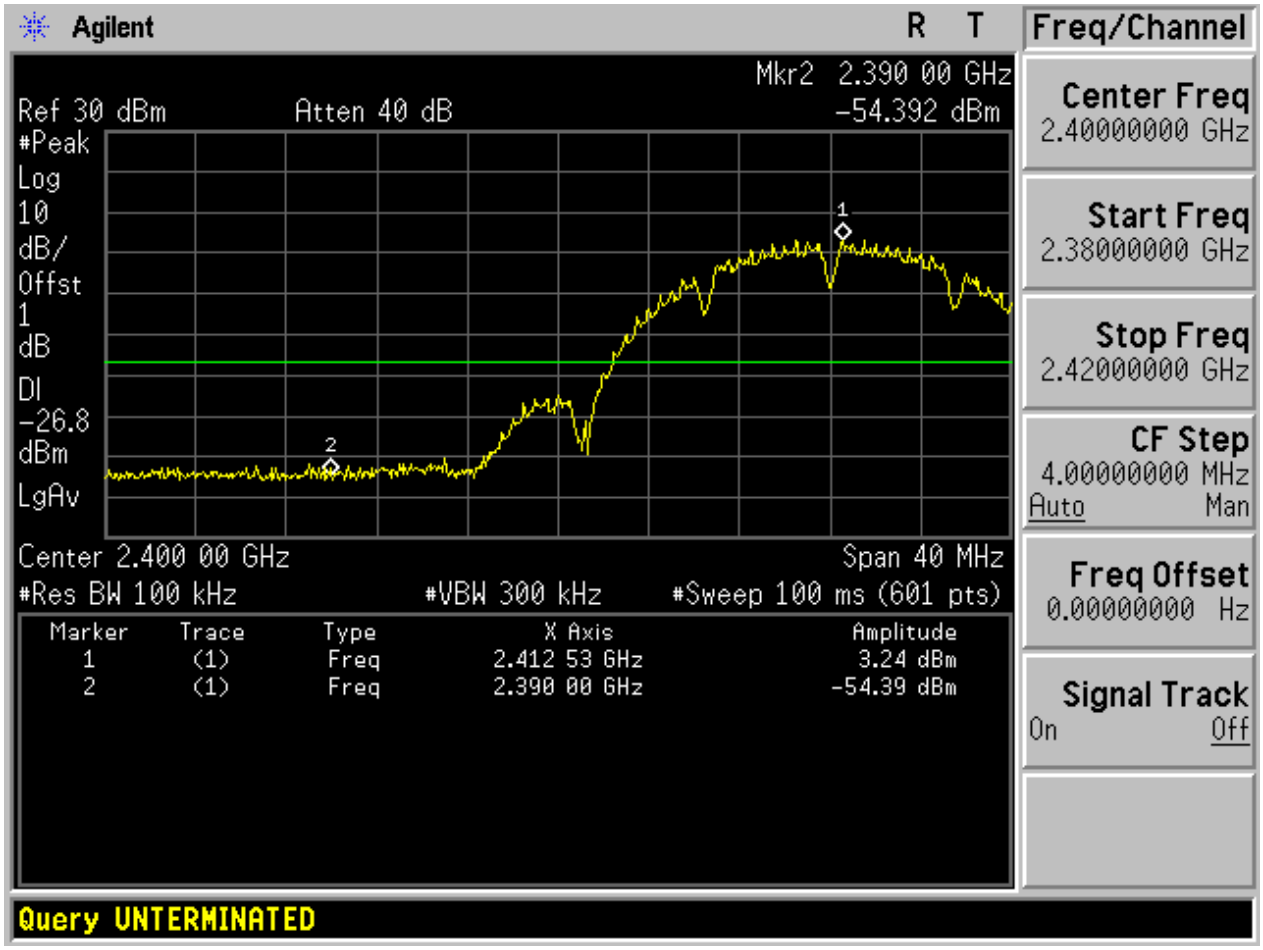

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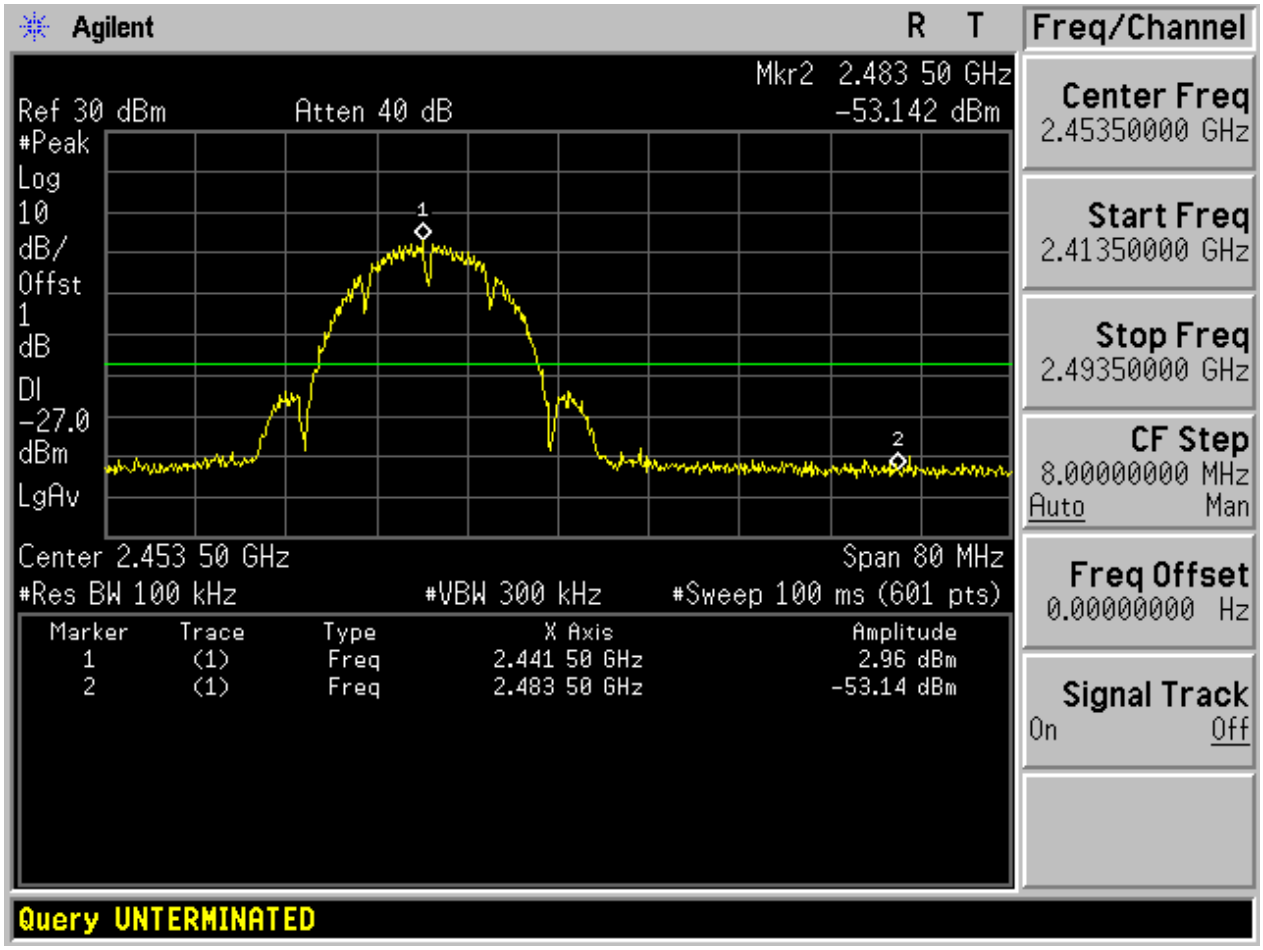

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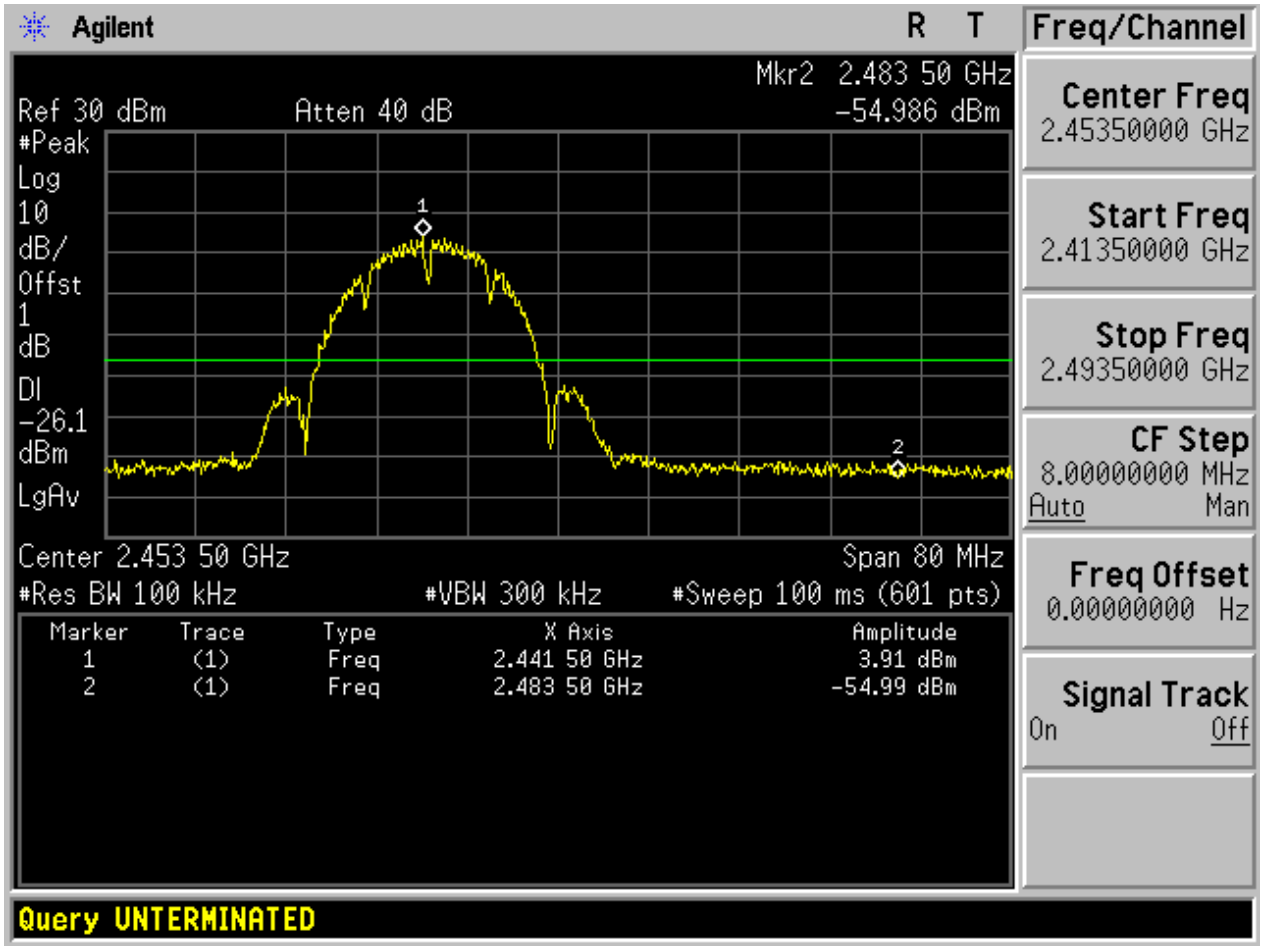

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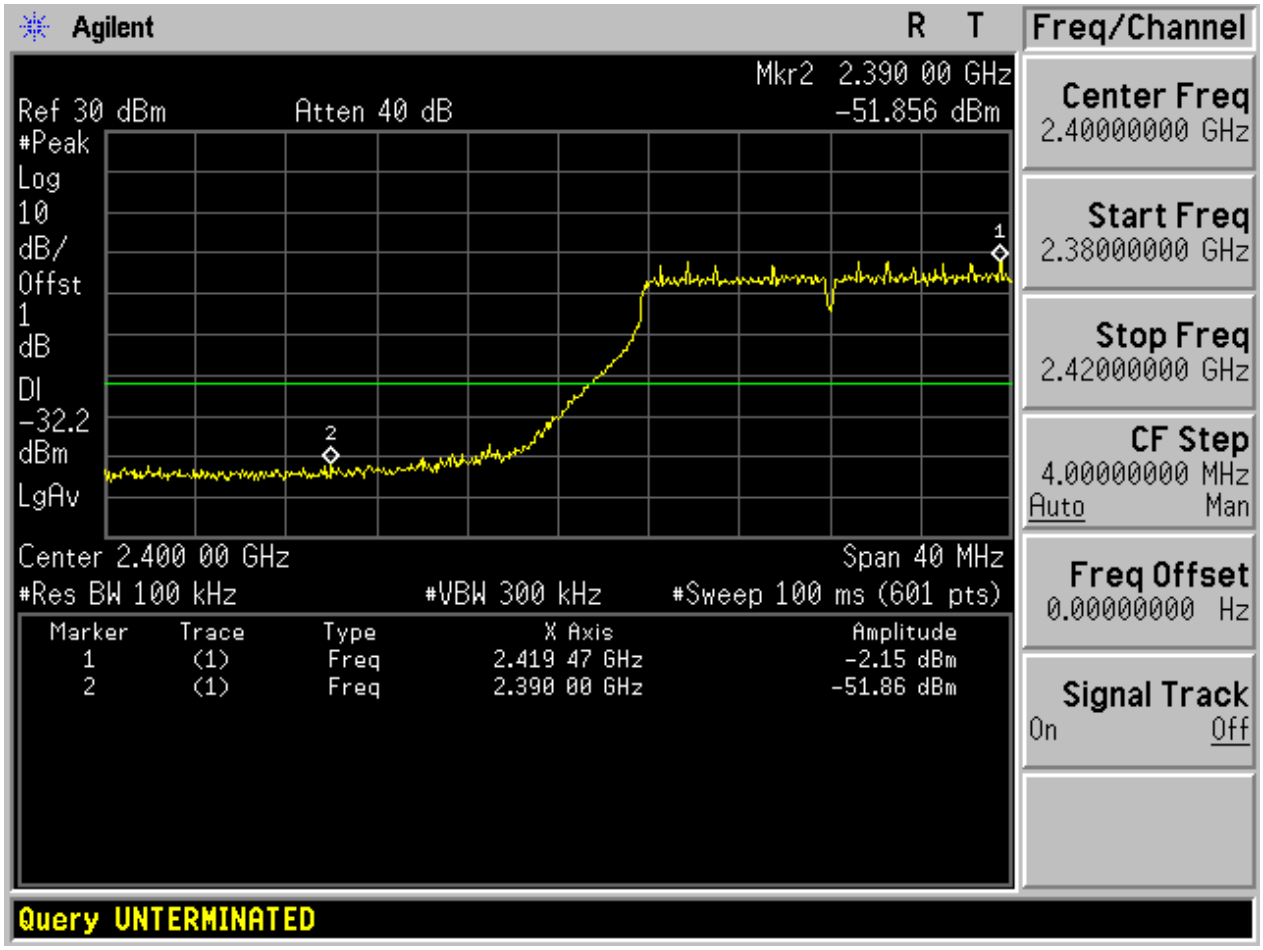

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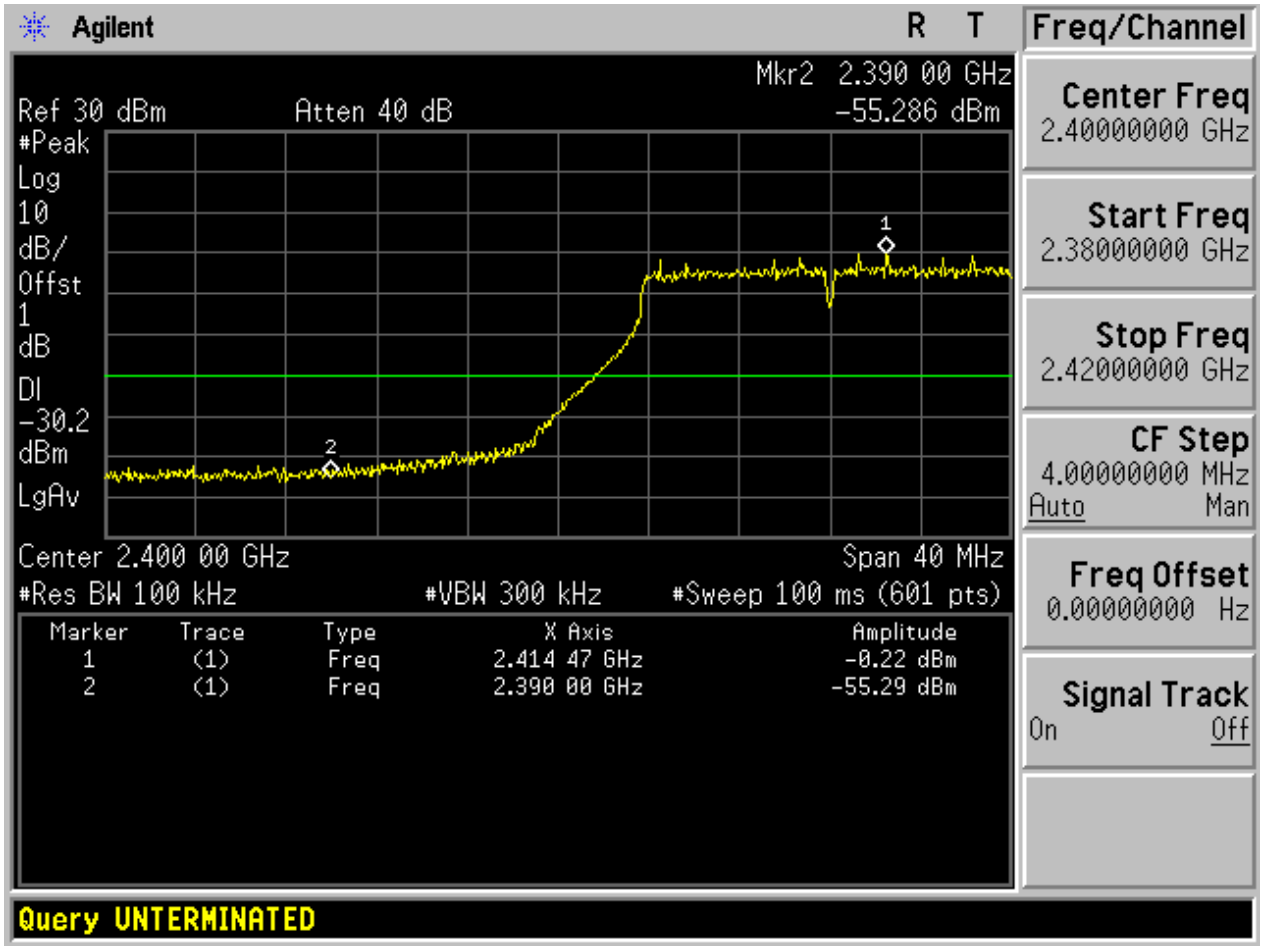

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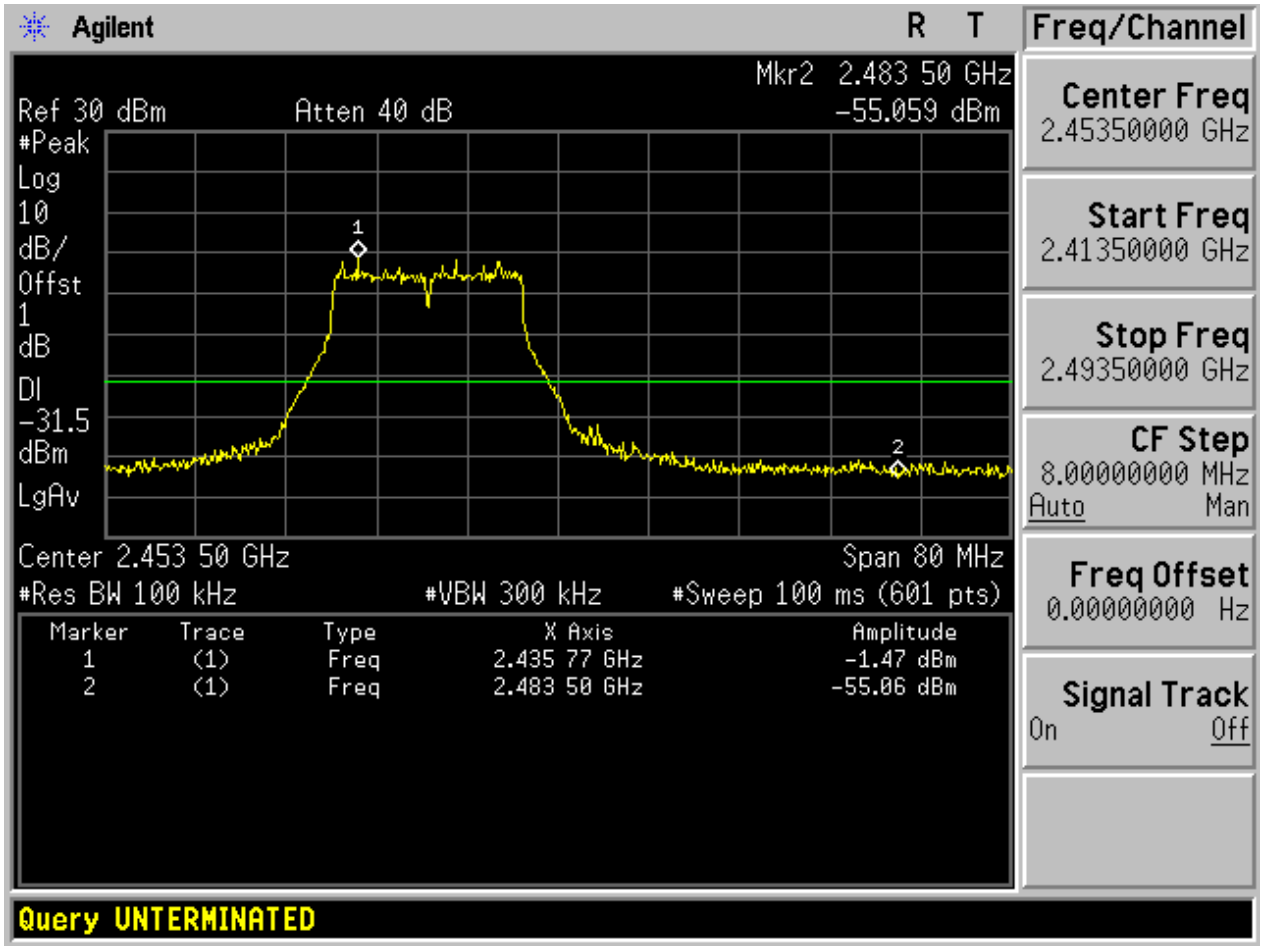
2.7 11G_H@Ant 1



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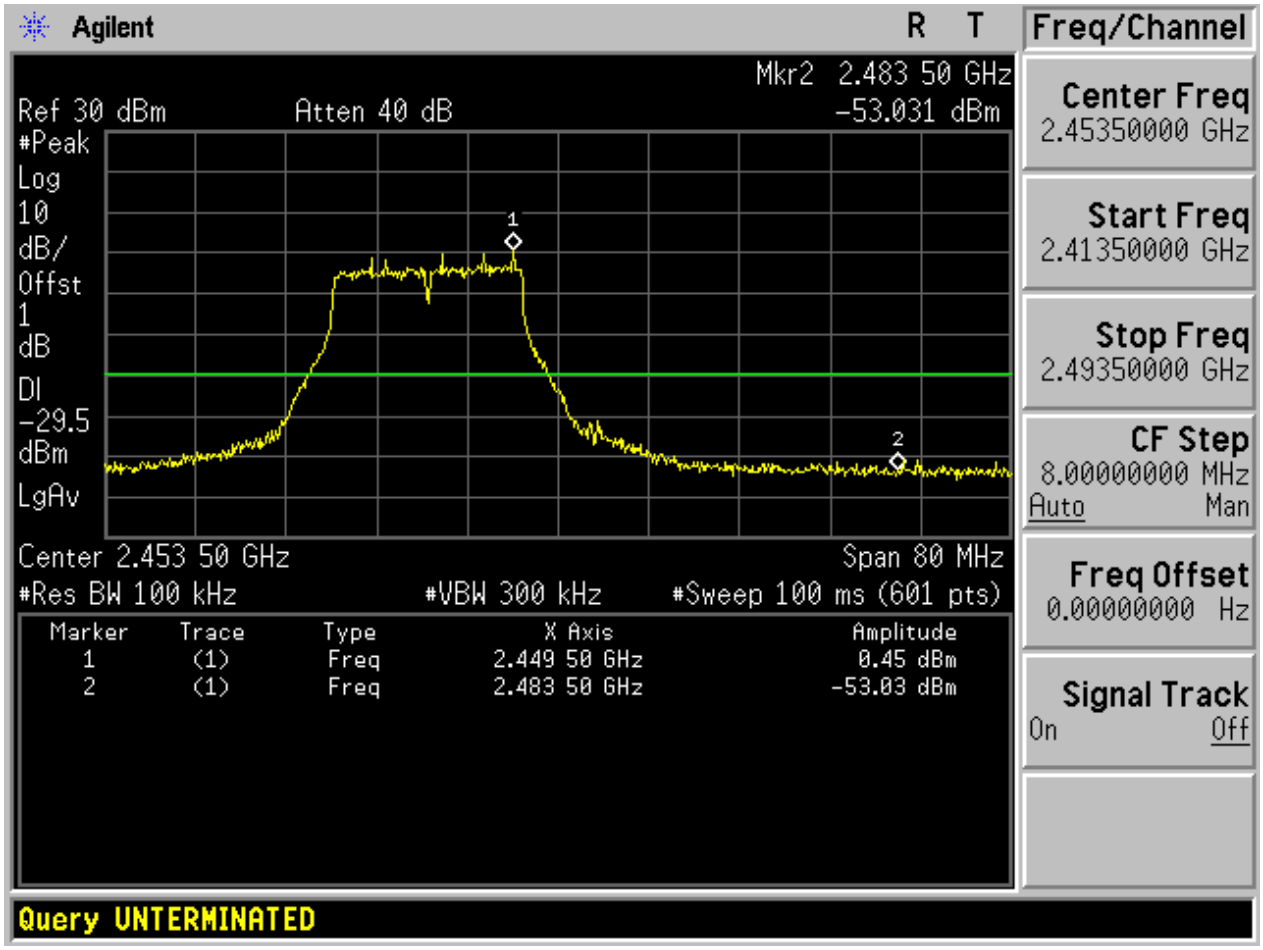
2.8 11G_H@Ant 2



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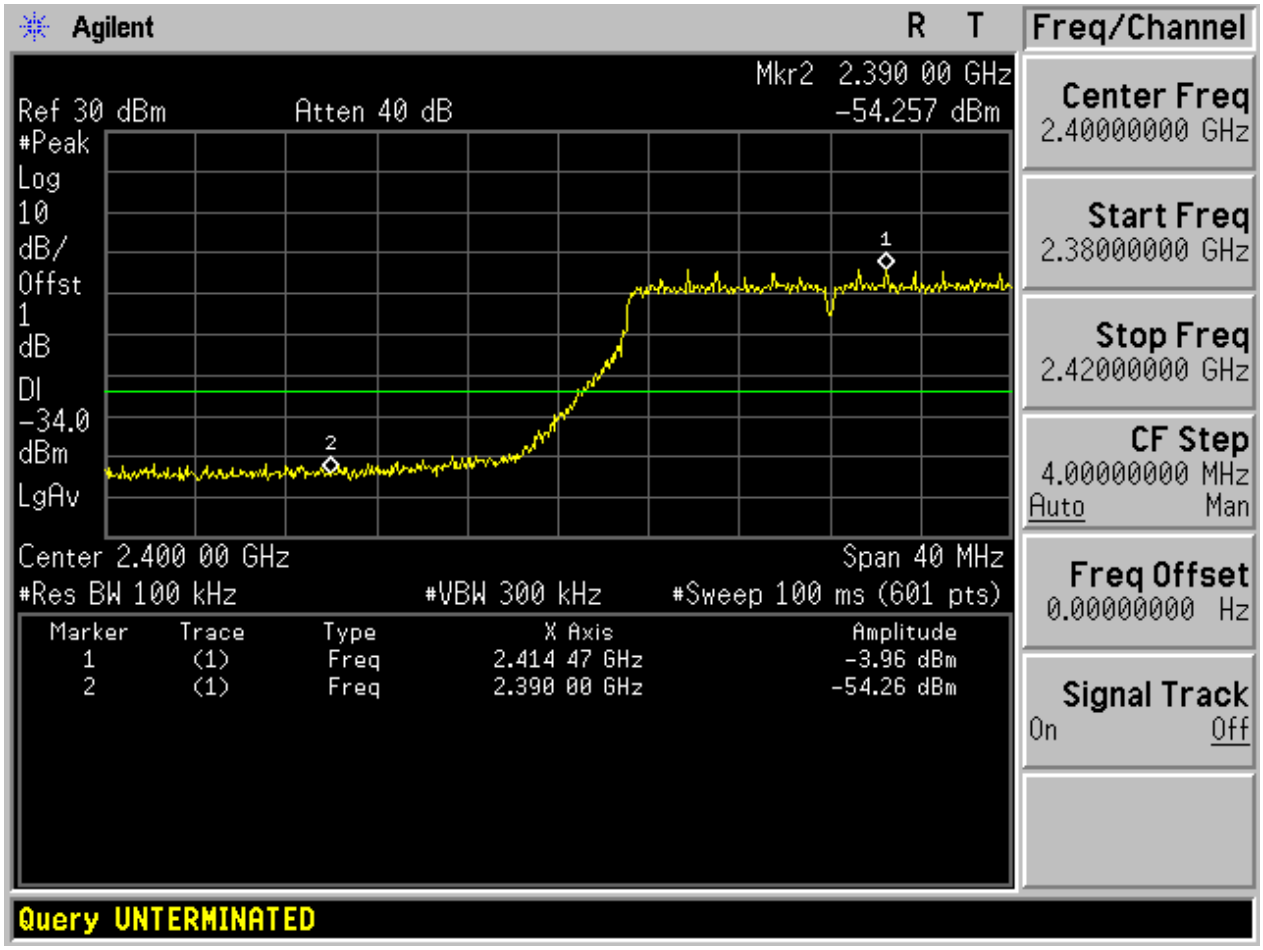

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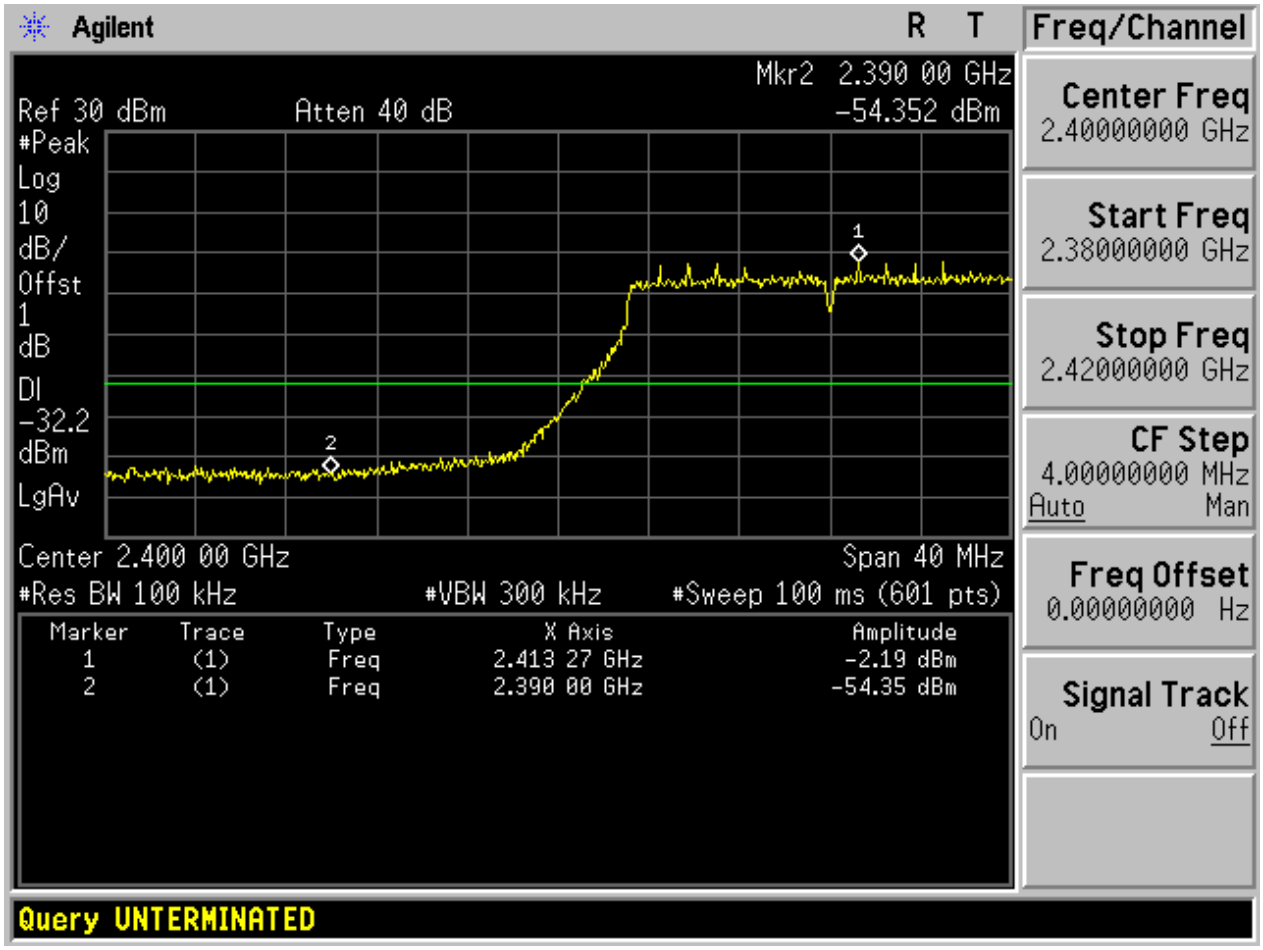

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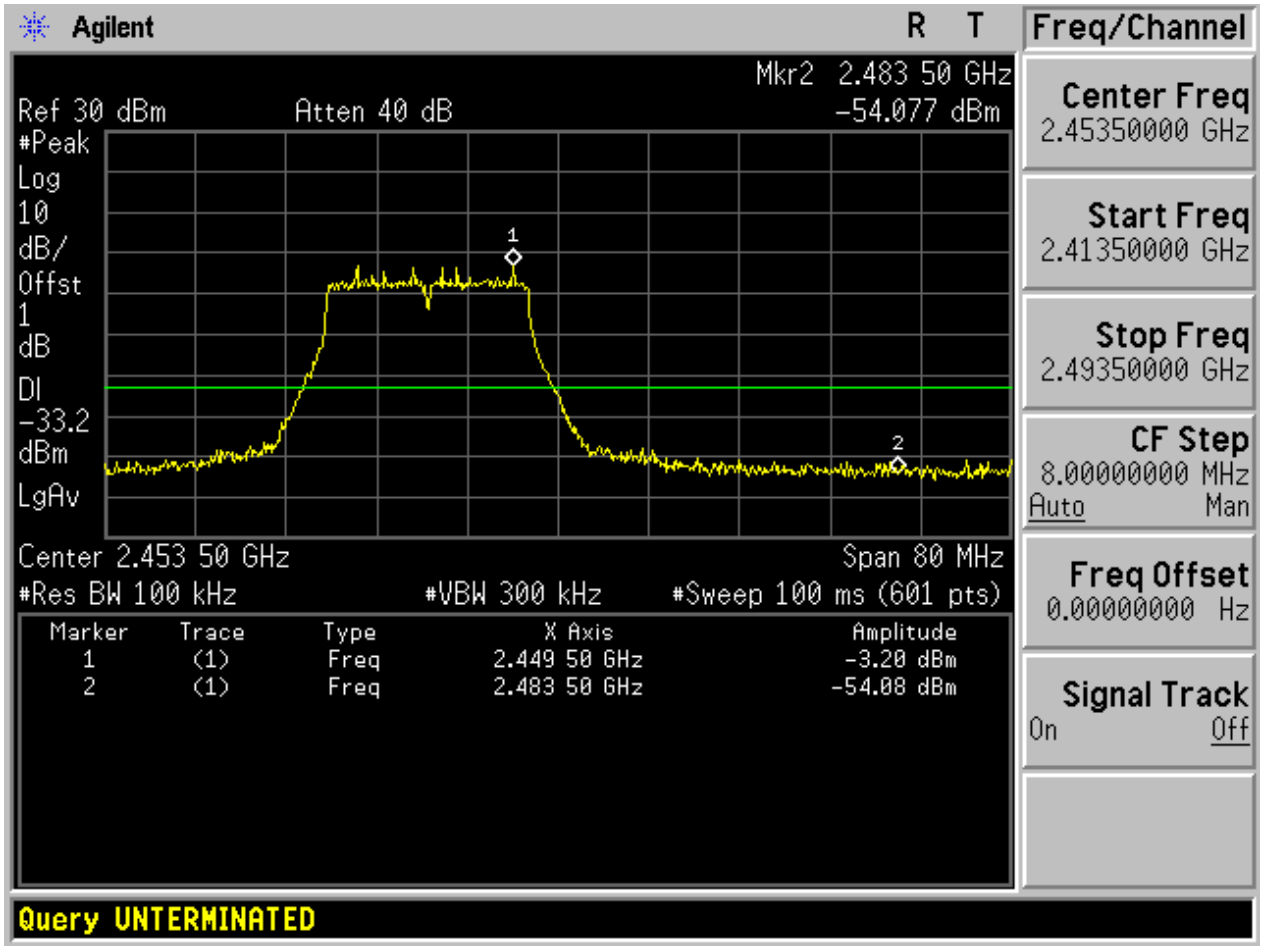

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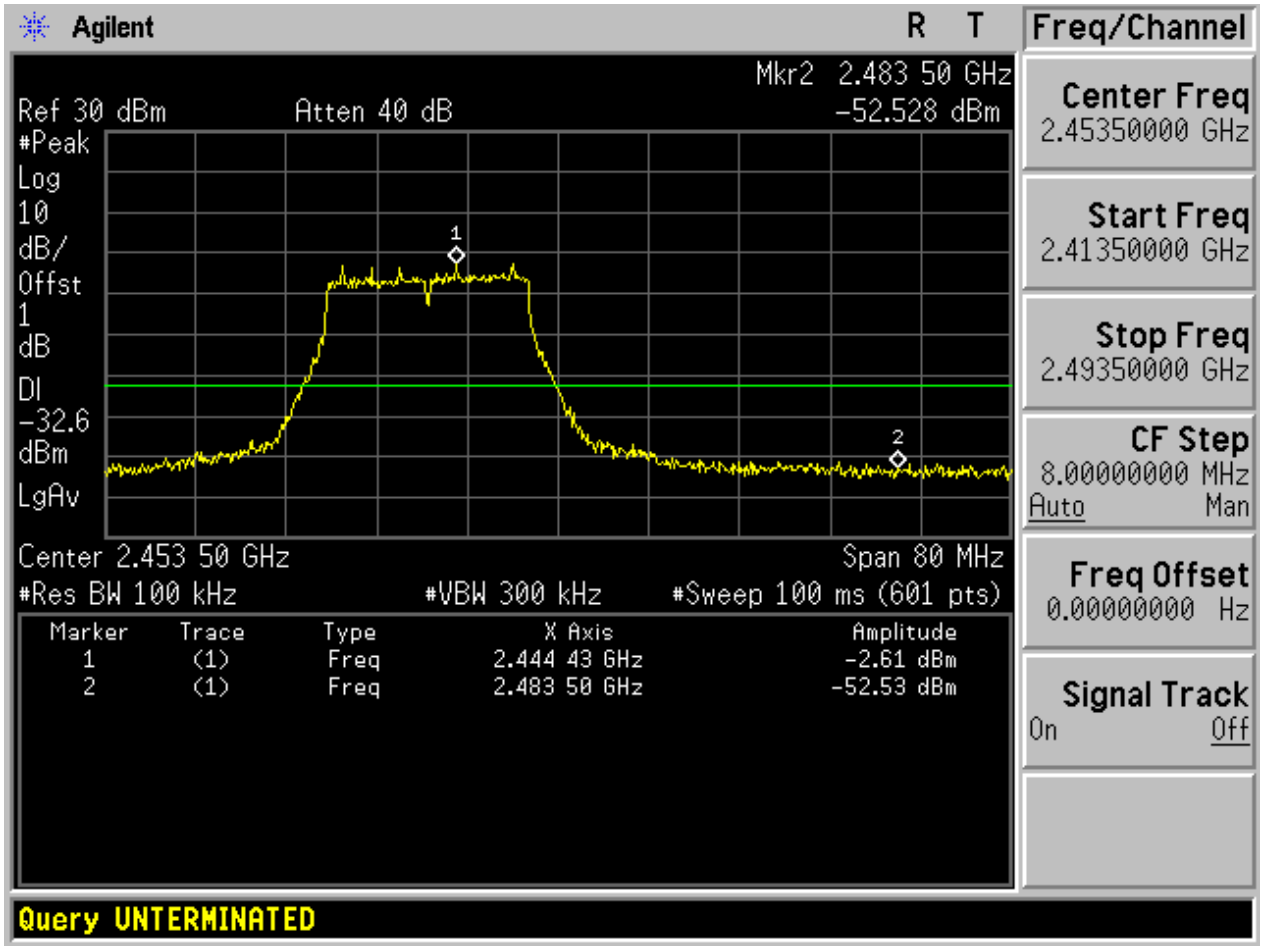
2.12 11N20_H@Ant 2



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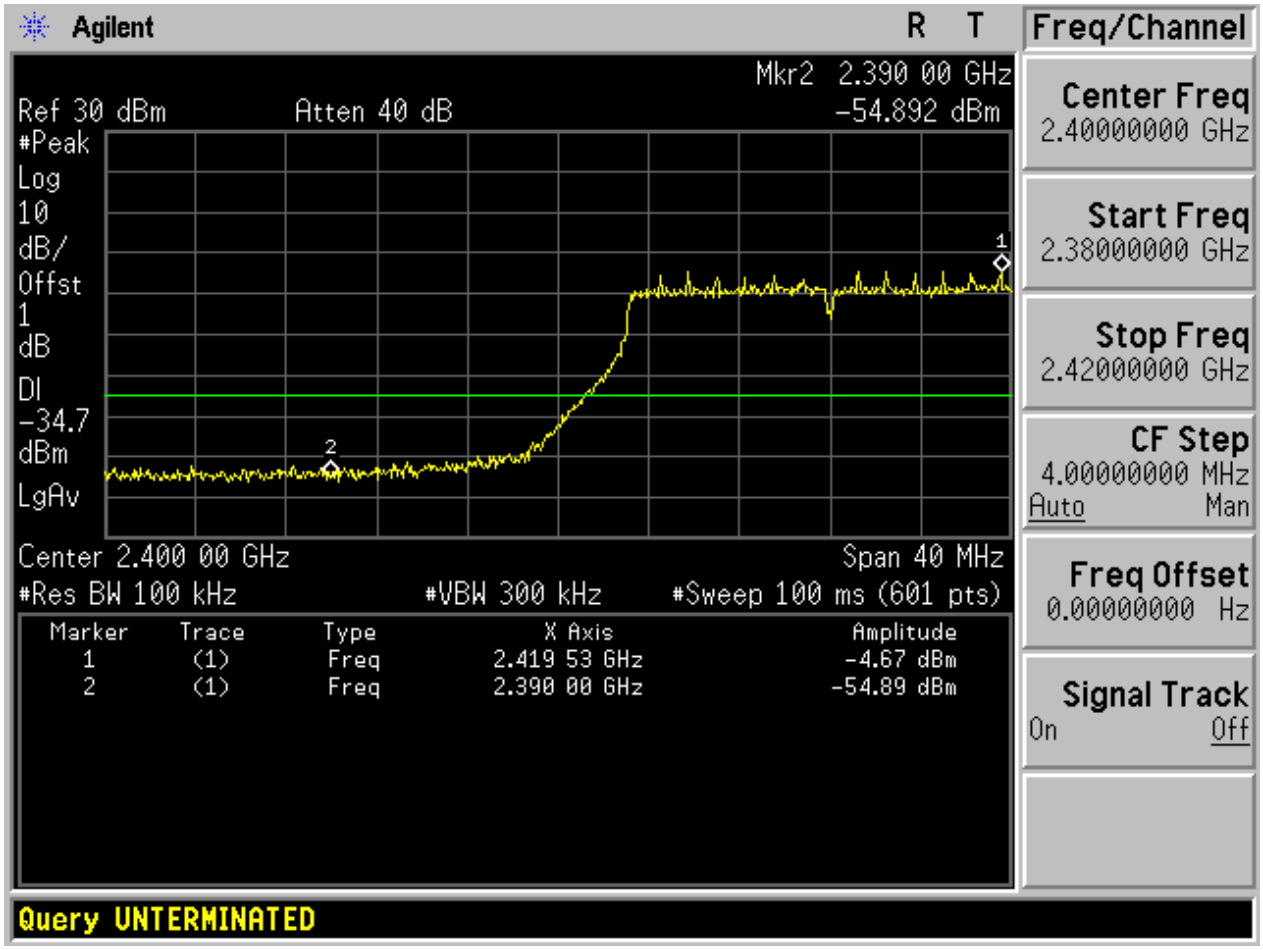
2.9 11N20m_L@Ant 1



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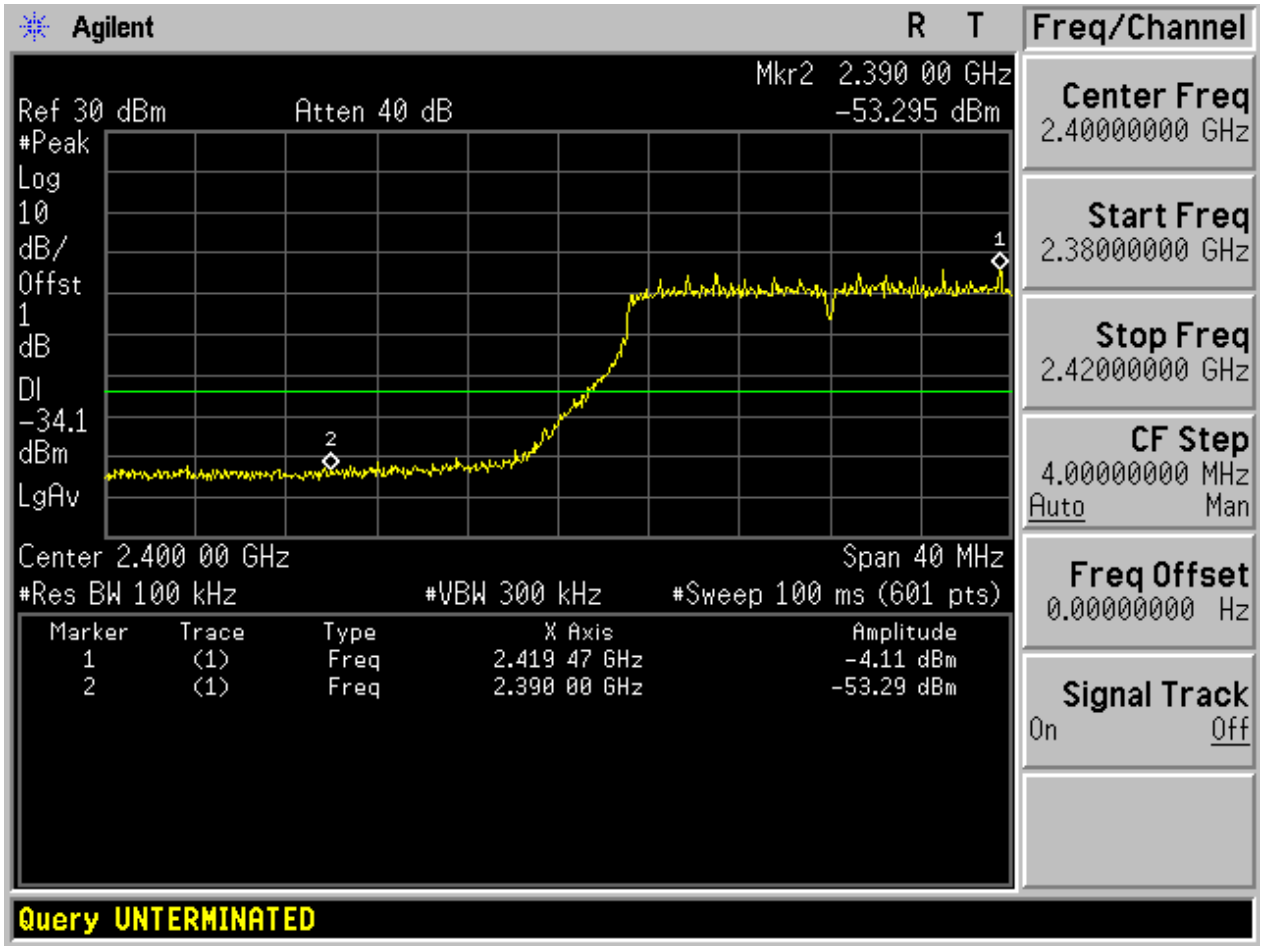
2.10 11N20m_L@Ant 2



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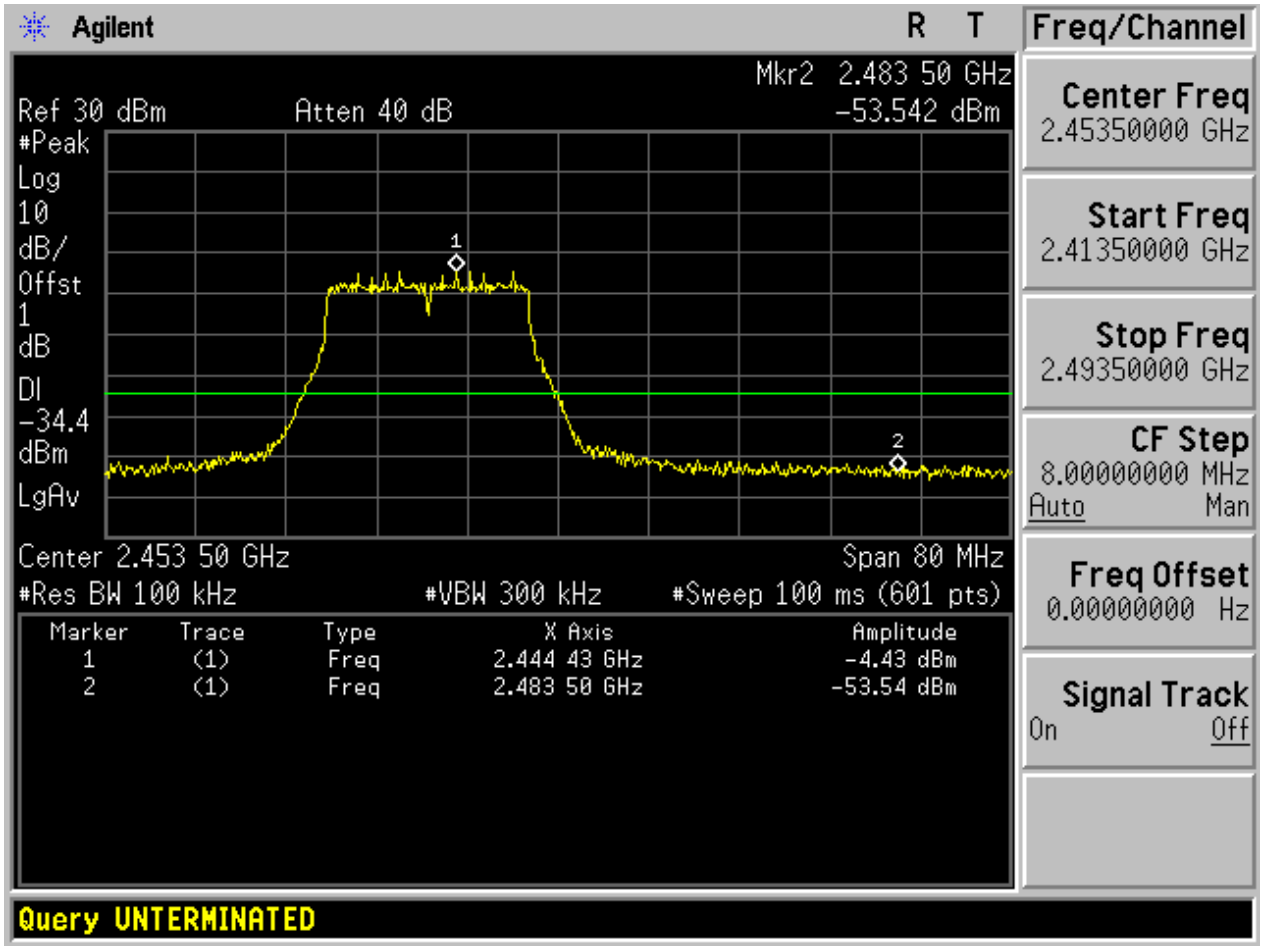
2.11 11N20m_H@Ant 1



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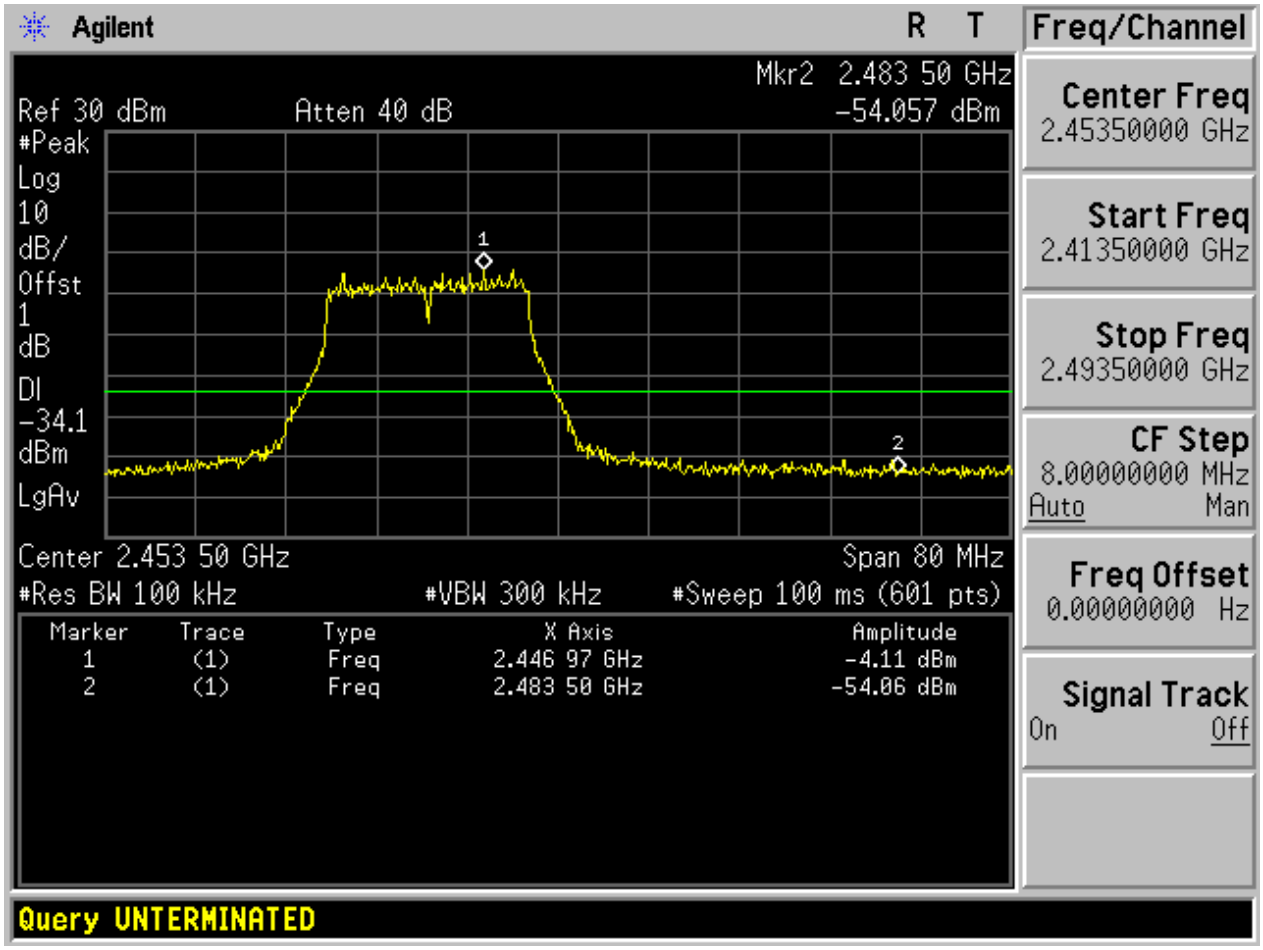
2.12 11N20m_H@Ant 2



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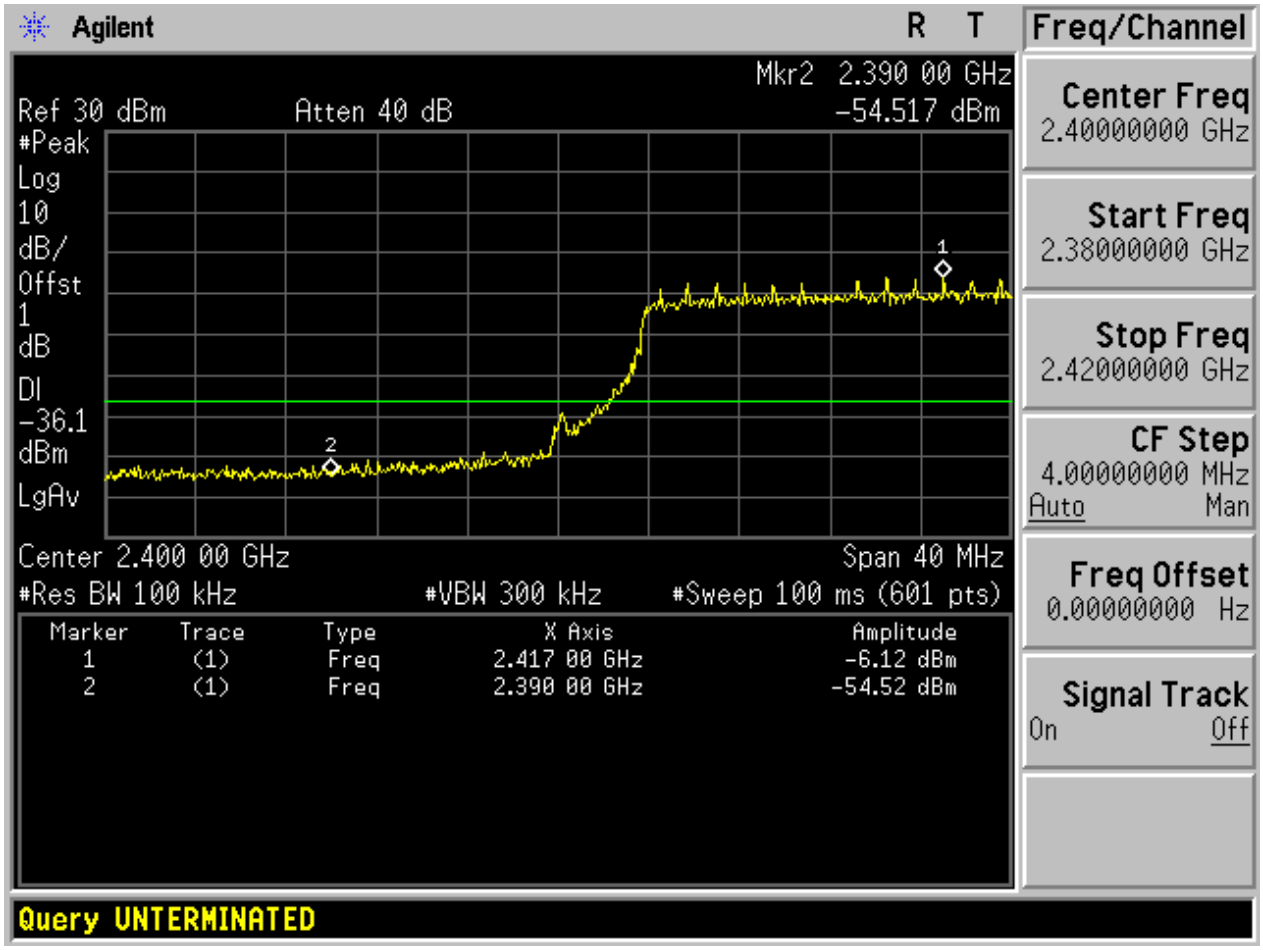
2.13 11N40_L@Ant 1



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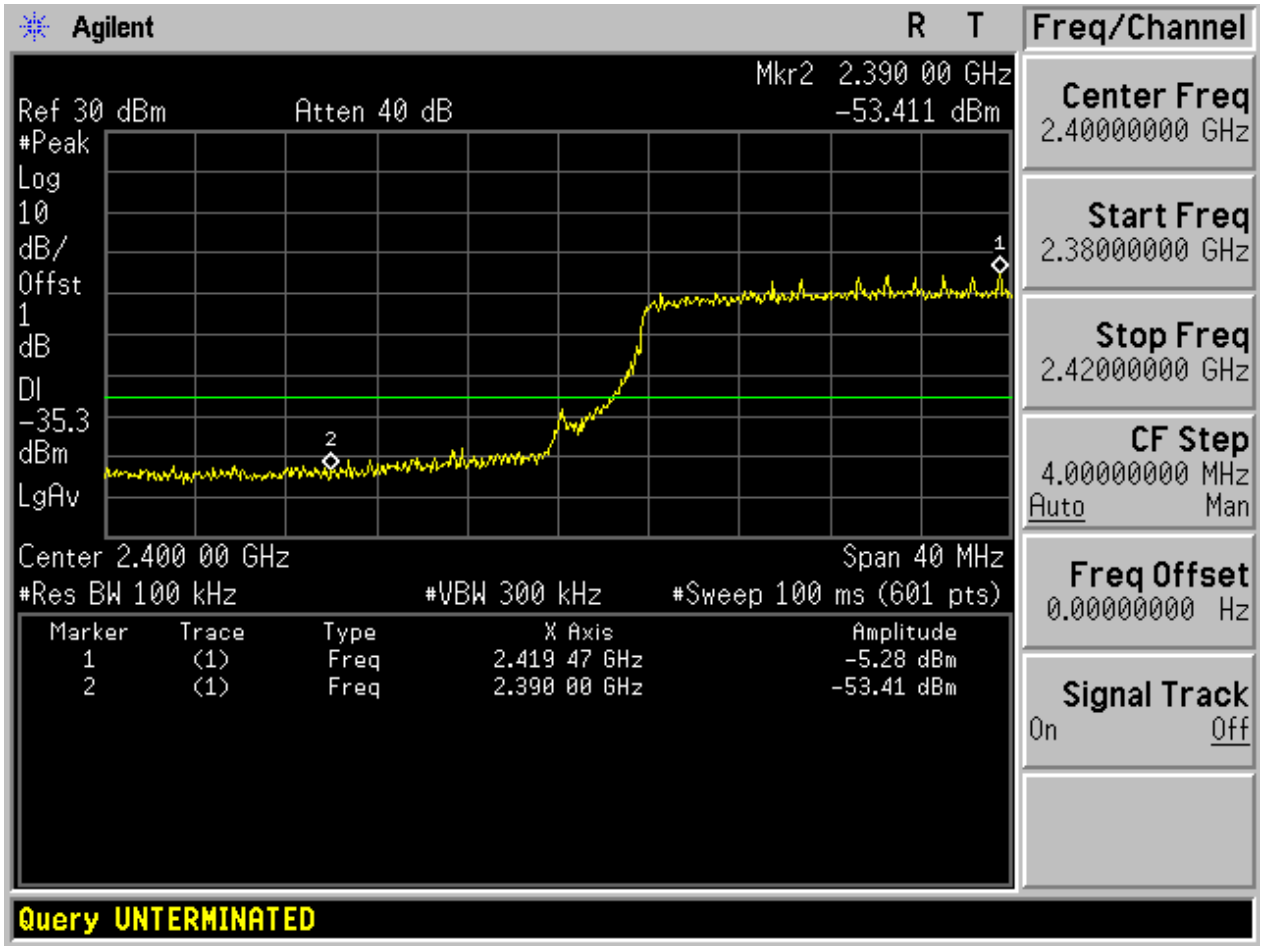
2.14 11N40_L@Ant 2



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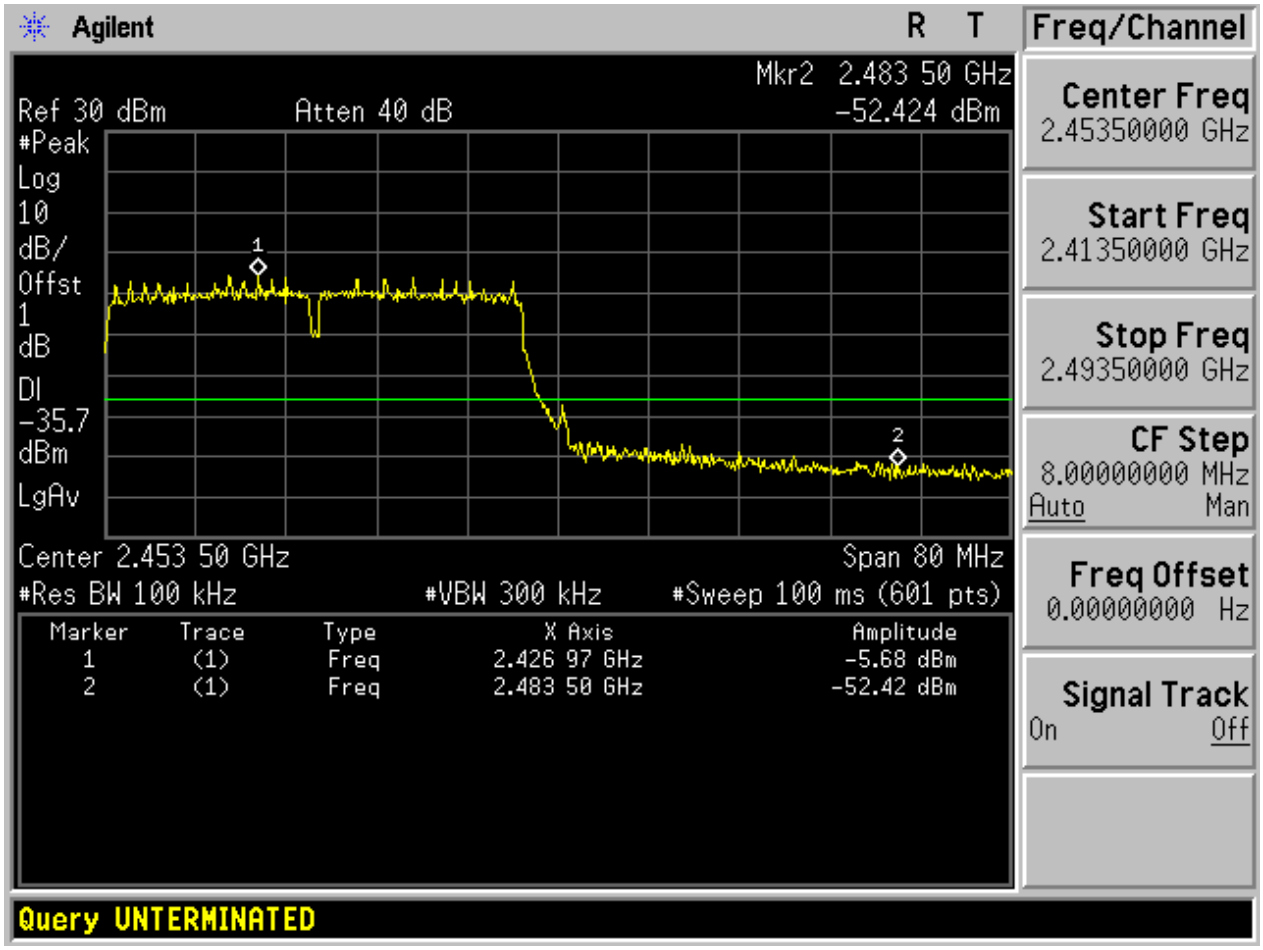
2.15 11N40_H@Ant 1



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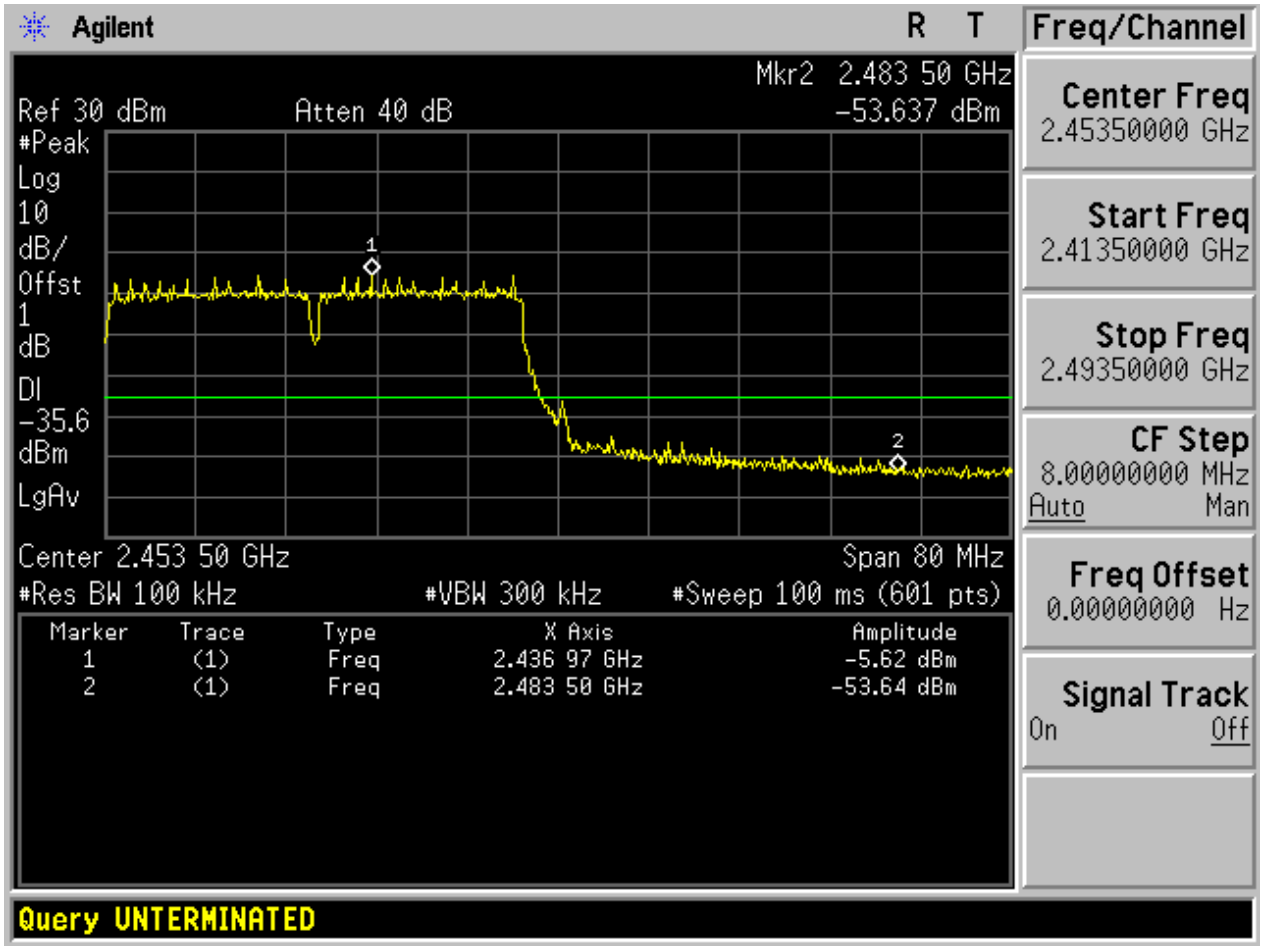
2.16 11N40_H@Ant 2



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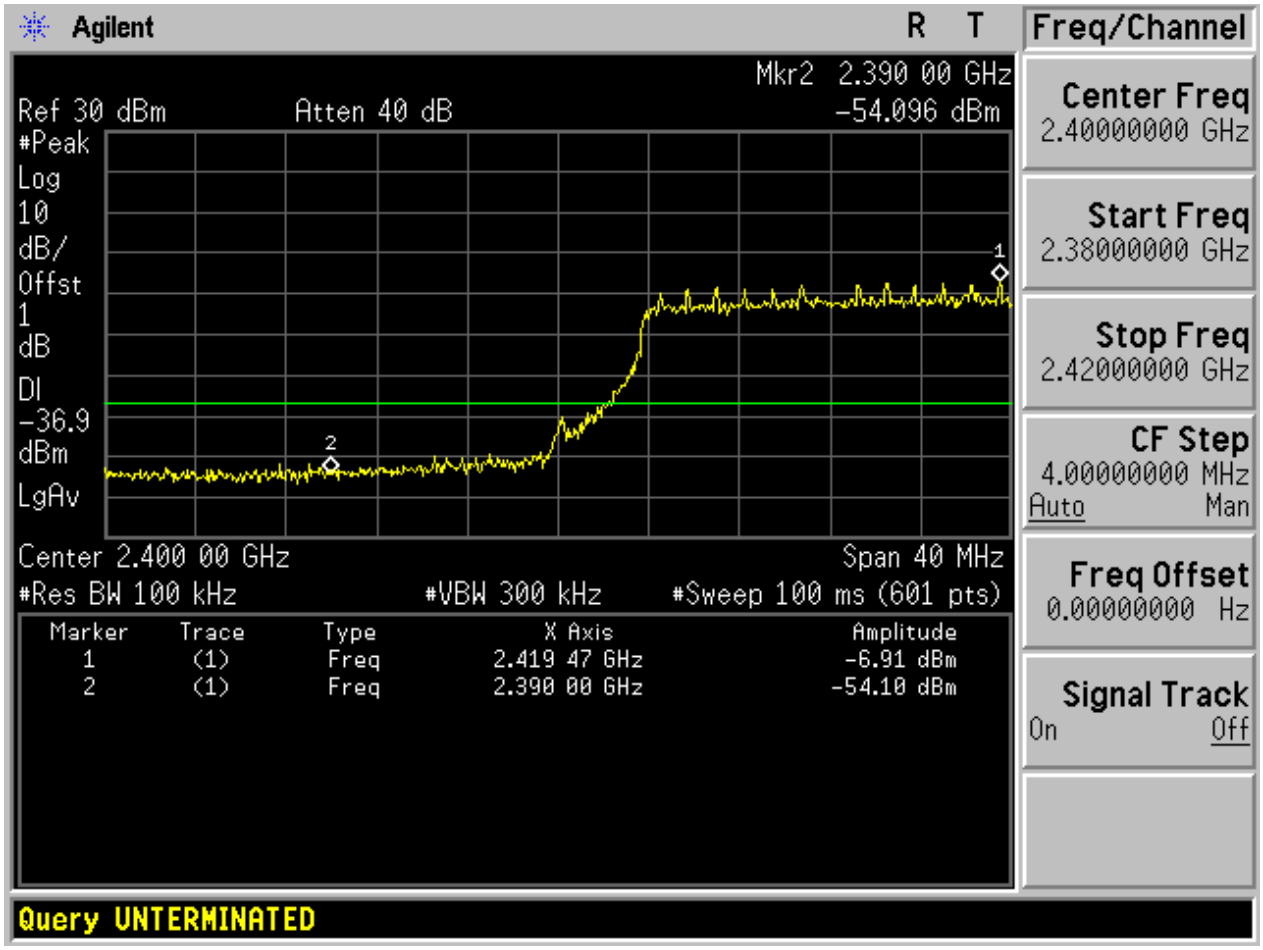
2.21 11N40m_L@Ant 1



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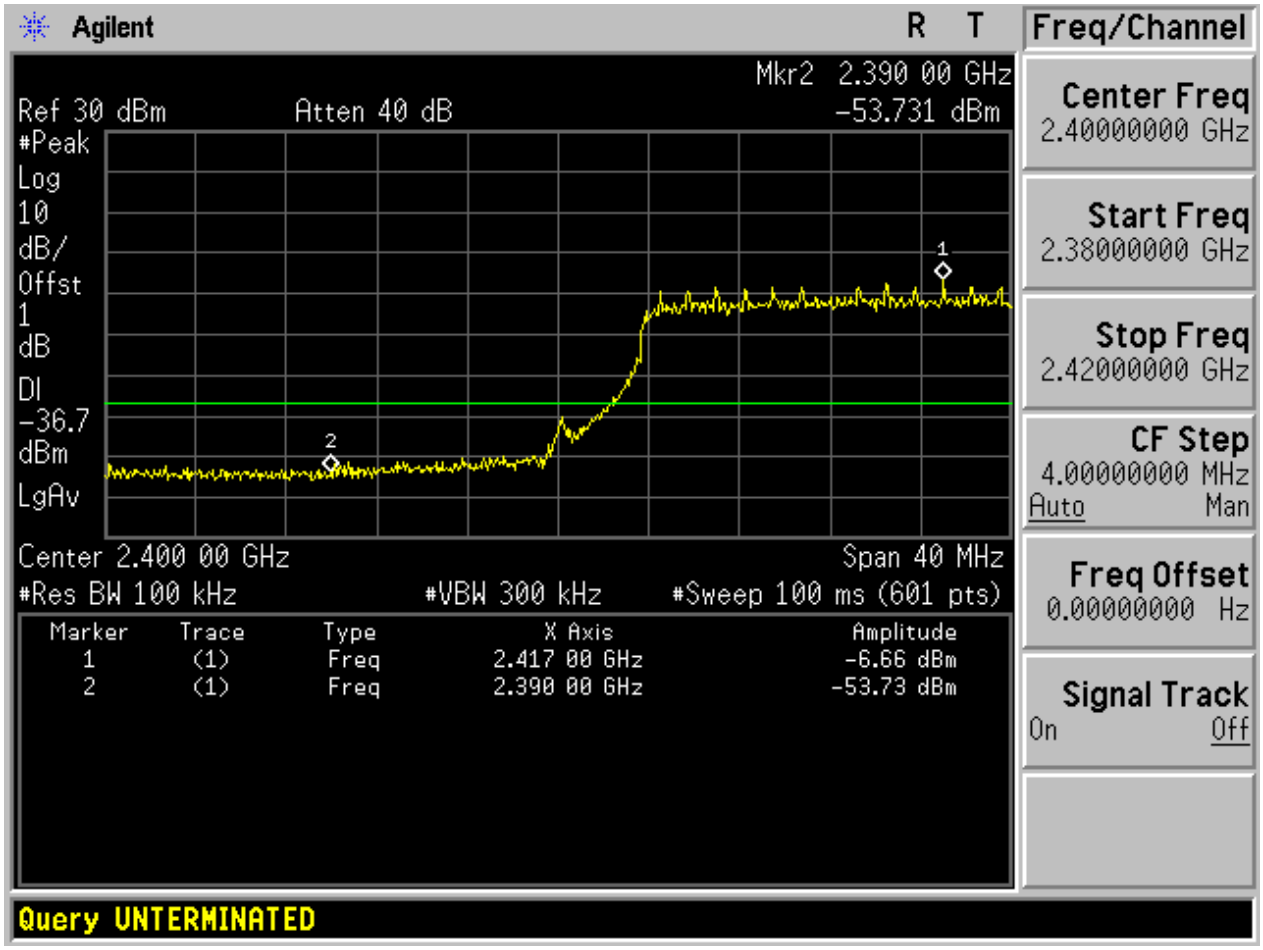
2.22 11N40m_L@Ant 2



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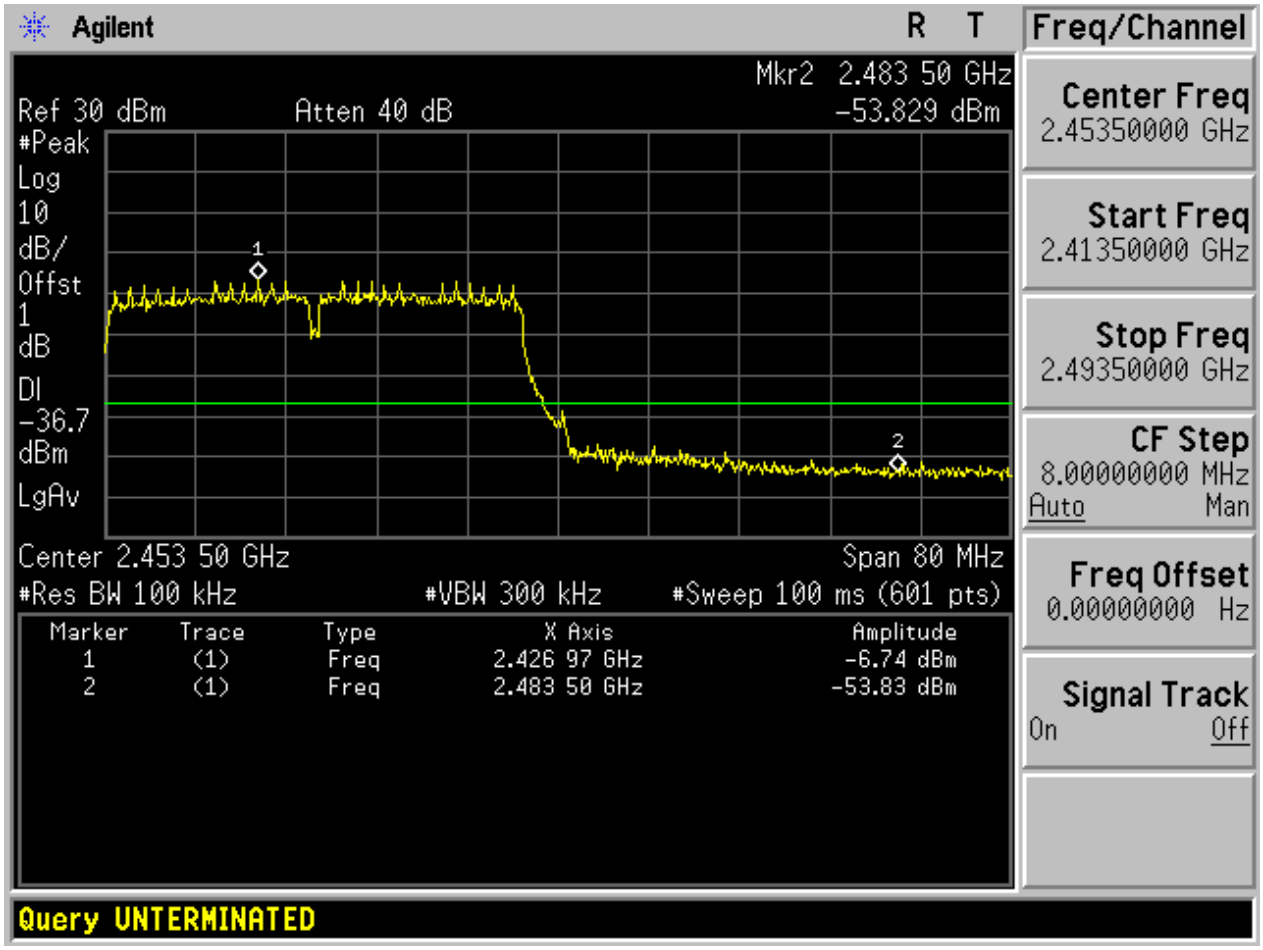
2.23 11N40m_H@Ant 1



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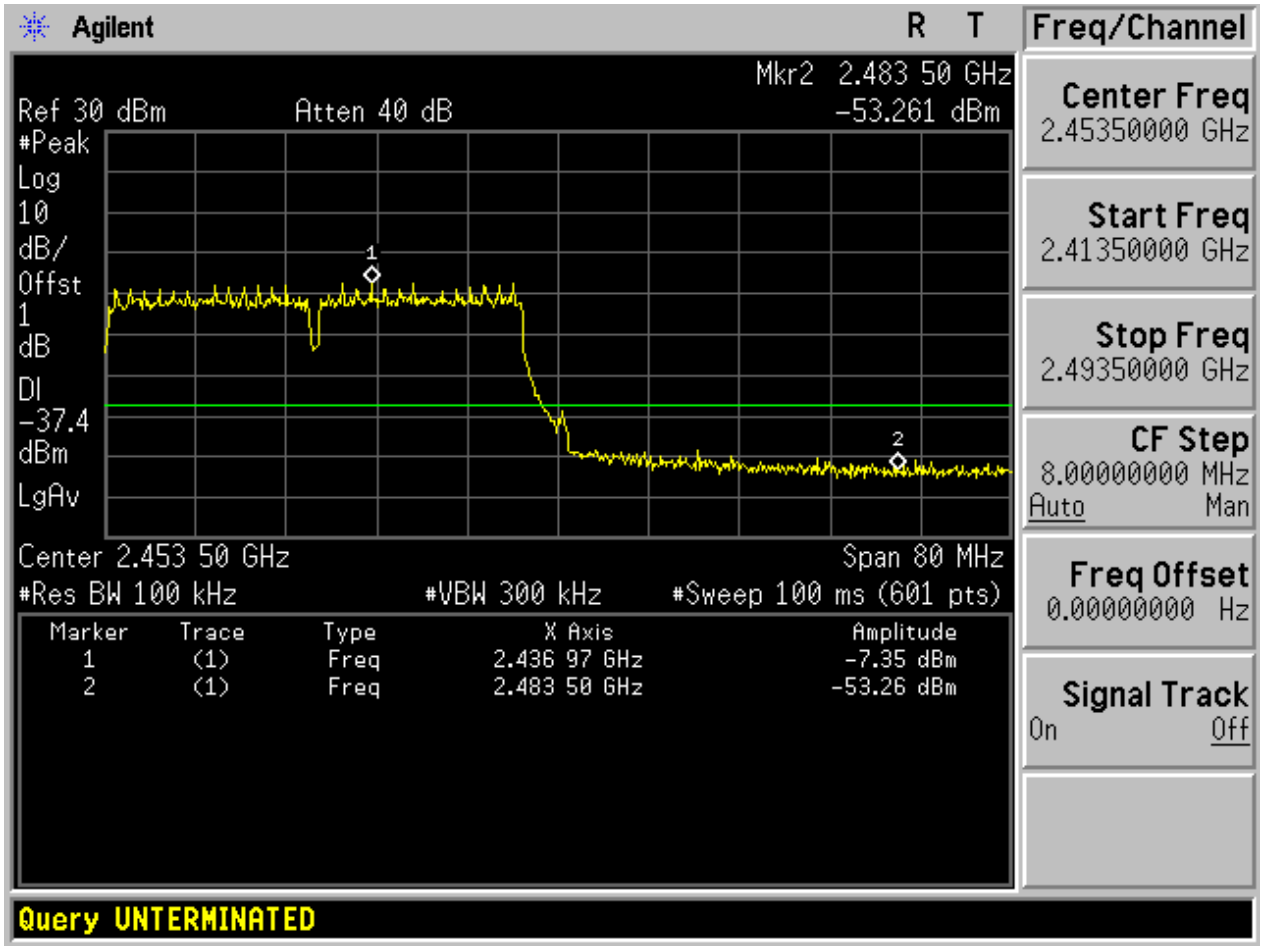
2.24 11N40m_H@Ant 2



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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" referrers to the maximum emission power in 100 kHz band segments outside of the authorized frequency band.

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

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

In the result table, the "< Limit" denotes that "The Puw [dBm] is less than Pref[dBm]-30[dBm],see test plots for detailed".

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11B	L	2412	Ant 1	3.48	<limit	pass
11B	L	2412	Ant 2	3.57	<limit	pass
11B	M	2427	Ant 1	3.97	<limit	pass
11B	M	2427	Ant 2	3.8	<limit	pass
11B	H	2442	Ant 1	3.26	<limit	pass
11B	H	2442	Ant 2	4.23	<limit	pass
11G	L	2412	Ant 1	-1.38	<limit	pass
11G	L	2412	Ant 2	0.34	<limit	pass
11G	M	2427	Ant 1	-0.82	<limit	pass
11G	M	2427	Ant 2	0.19	<limit	pass
11G	H	2442	Ant 1	-1.02	<limit	pass
11G	H	2442	Ant 2	0.59	<limit	pass
11N20	L	2412	Ant 1	-3.34	<limit	pass
11N20	L	2412	Ant 2	-1.36	<limit	pass
11N20	M	2427	Ant 1	-2.66	<limit	pass
11N20	M	2427	Ant 2	-1.72	<limit	pass
11N20	H	2442	Ant 1	-2.86	<limit	pass

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Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11N20	H	2442	Ant 2	-1.6	<limit	pass
11N20m	L	2412	Ant 1	-3.82	<limit	pass
11N20m	L	2412	Ant 2	-3.87	<limit	pass
11N20m	M	2427	Ant 1	-3.23	<limit	pass
11N20m	M	2427	Ant 2	-3.95	<limit	pass
11N20m	H	2442	Ant 1	-3.57	<limit	pass
11N20m	H	2442	Ant 2	-3.45	<limit	pass
11N40	L	2422	Ant 1	-5.5	<limit	pass
11N40	L	2422	Ant 2	-5.21	<limit	pass
11N40	M	2427	Ant 1	-5.39	<limit	pass
11N40	M	2427	Ant 2	-5.14	<limit	pass
11N40	H	2432	Ant 1	-5.3	<limit	pass
11N40	H	2432	Ant 2	-5.1	<limit	pass
11N40m	L	2422	Ant 1	-6.34	<limit	pass
11N40m	L	2422	Ant 2	-6.62	<limit	pass
11N40m	M	2427	Ant 1	-6.5	<limit	pass
11N40m	M	2427	Ant 2	-6.52	<limit	pass
11N40m	H	2432	Ant 1	-6.31	<limit	pass
11N40m	H	2432	Ant 2	-6.61	<limit	pass

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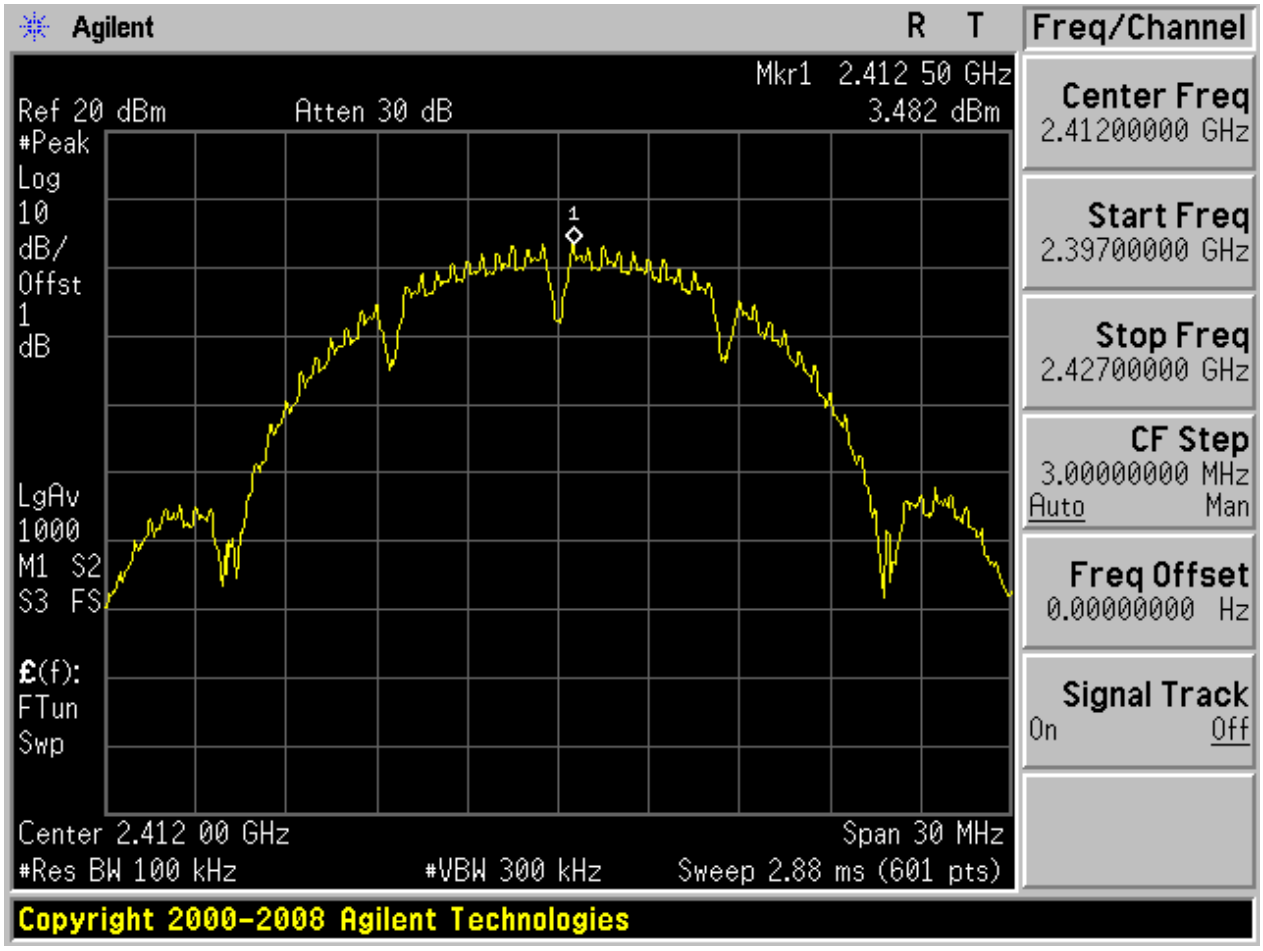
Part II - Test Plots

2.1 11B_L@Ant 1

Pref:



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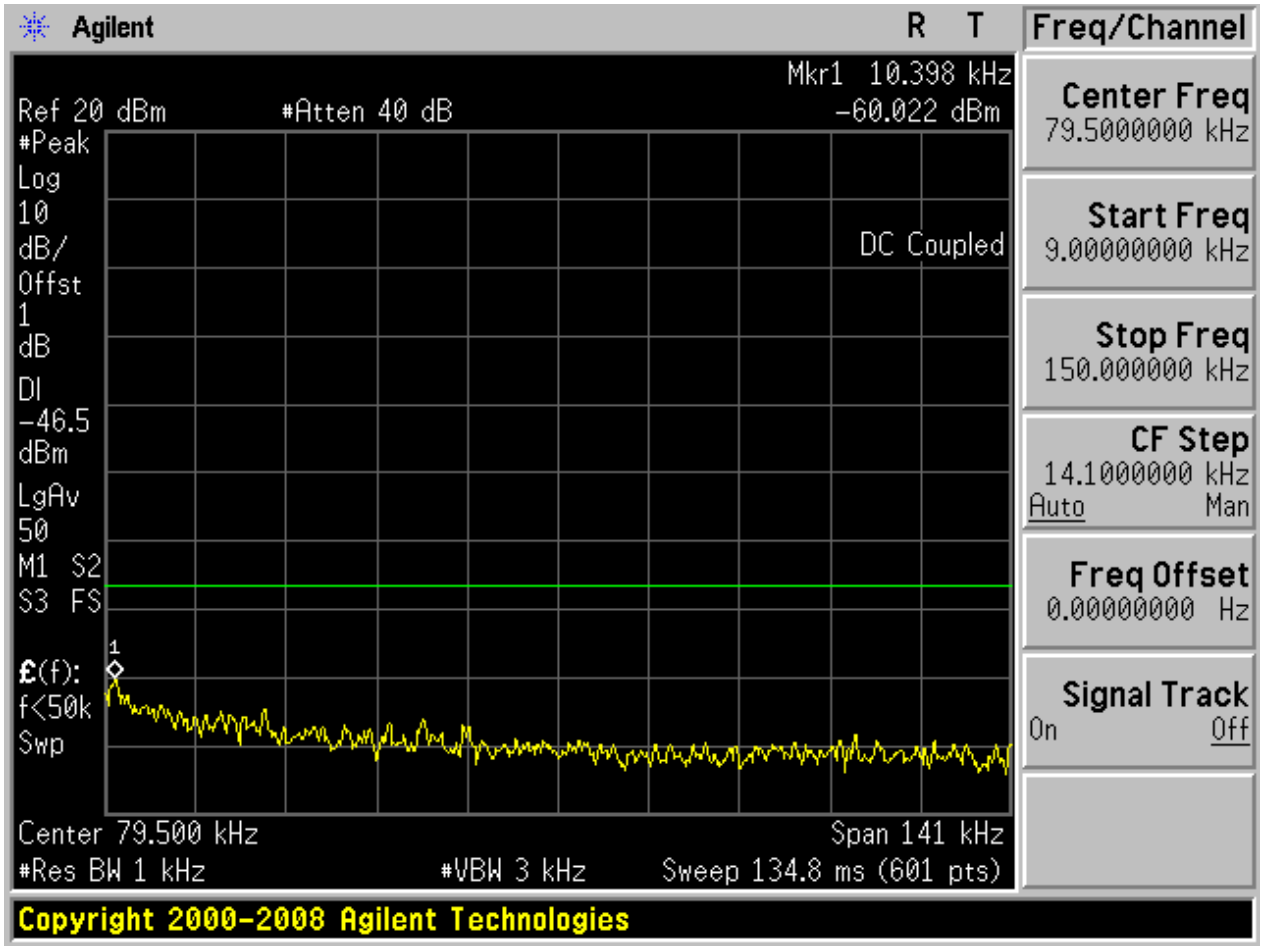
Puw:



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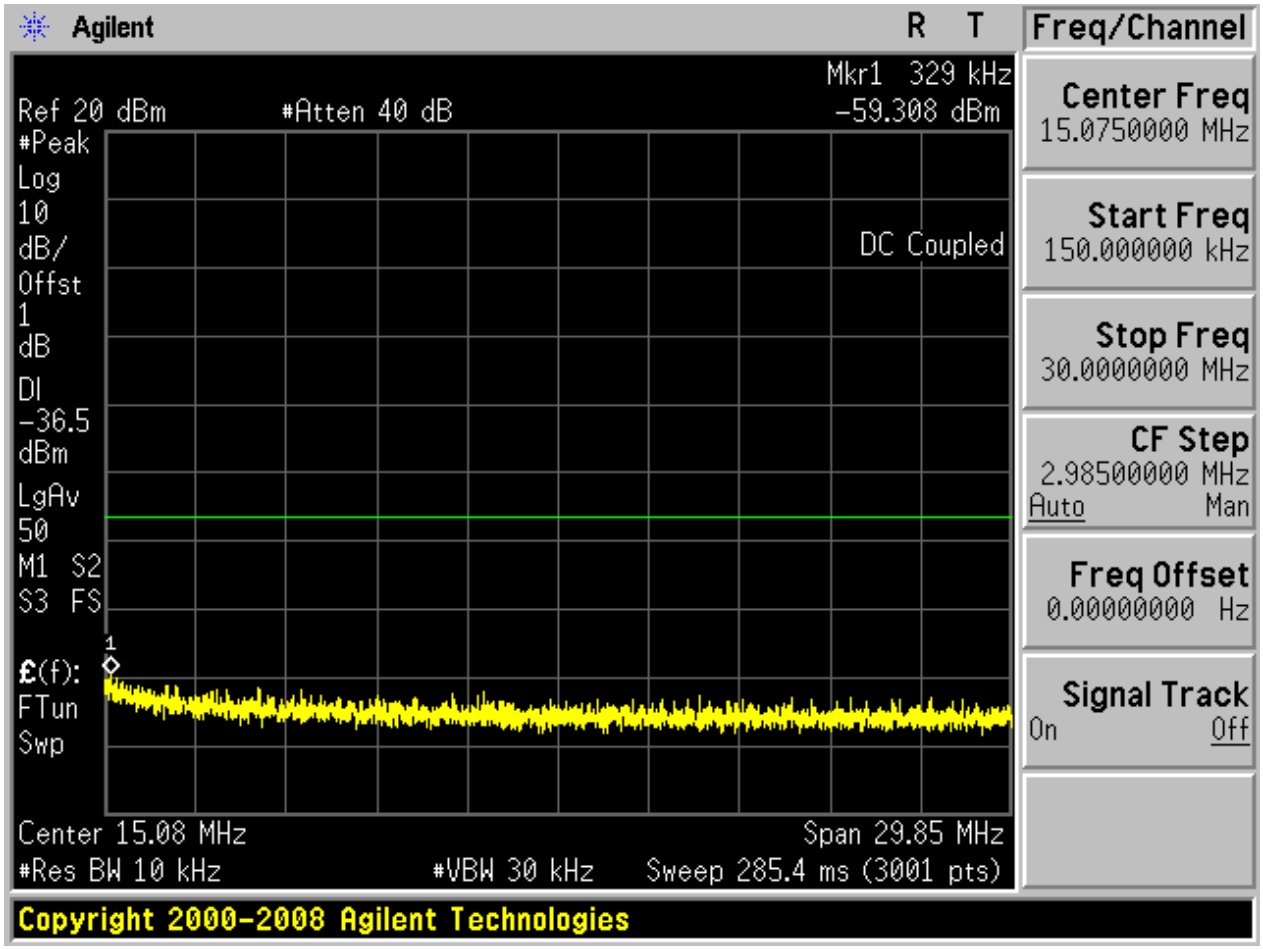
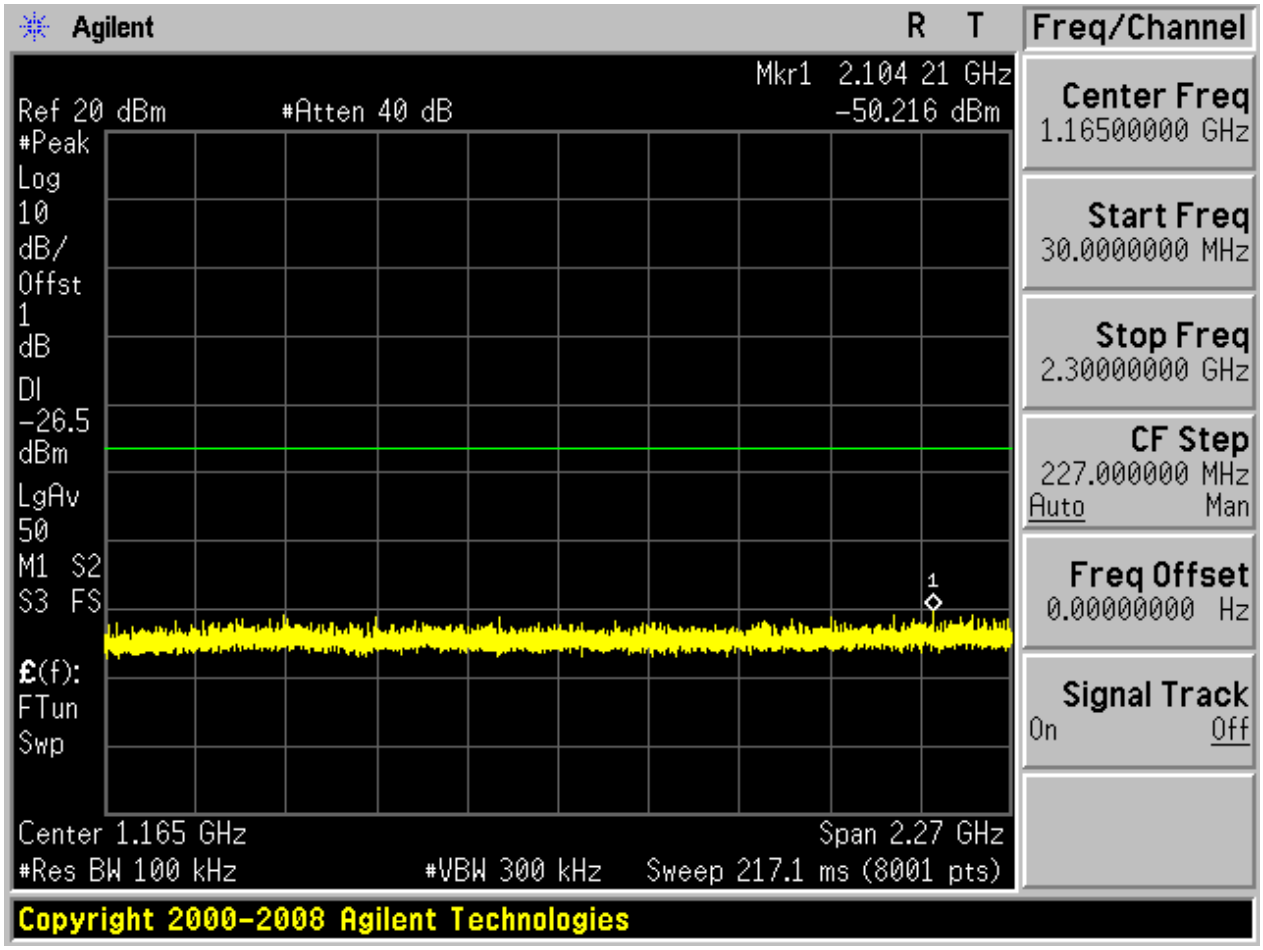

Agilent
R T
Freq/Channel
Mkr1 329 kHz
Ref 20 dBm
#Atten 40 dB
-59.308 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.5
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.104 21 GHz
Ref 20 dBm
#Atten 40 dB
-50.216 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-26.5
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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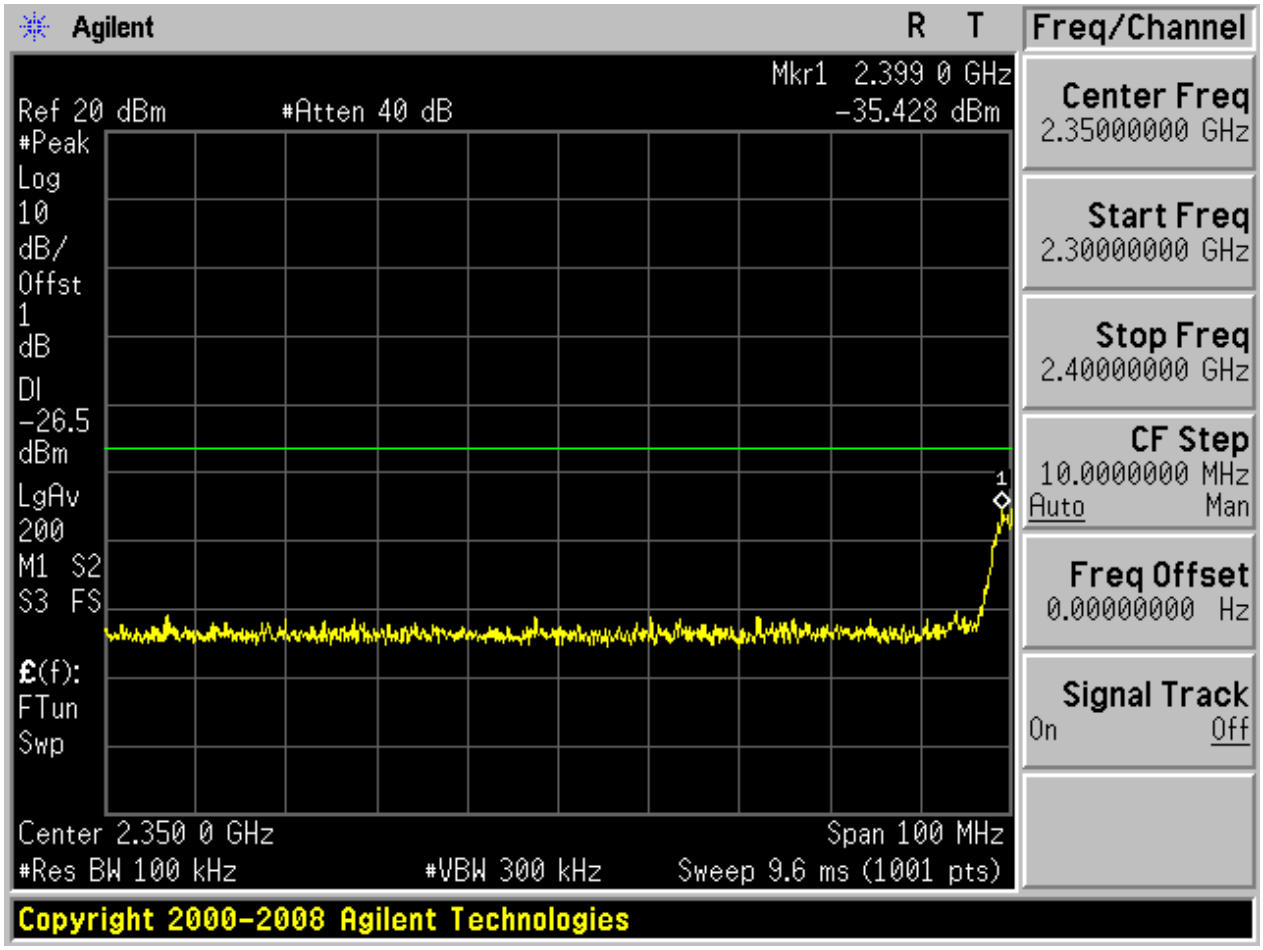
Agilent
R T
Freq/Channel
Mkr1 2.399 0 GHz
Ref 20 dBm
#Atten 40 dB
-35.428 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-26.5
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 2.350 0 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.6 ms (1001 pts)
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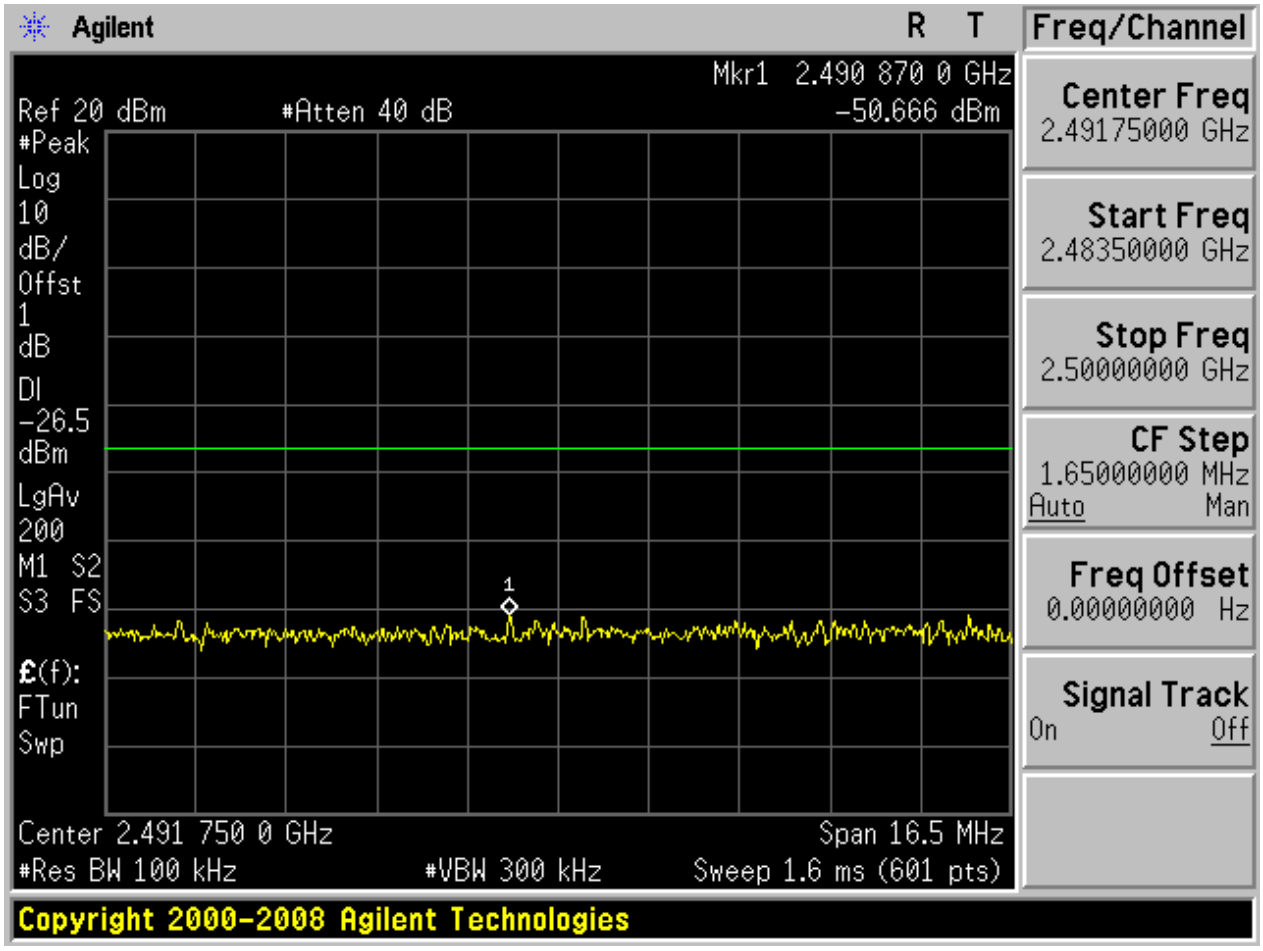

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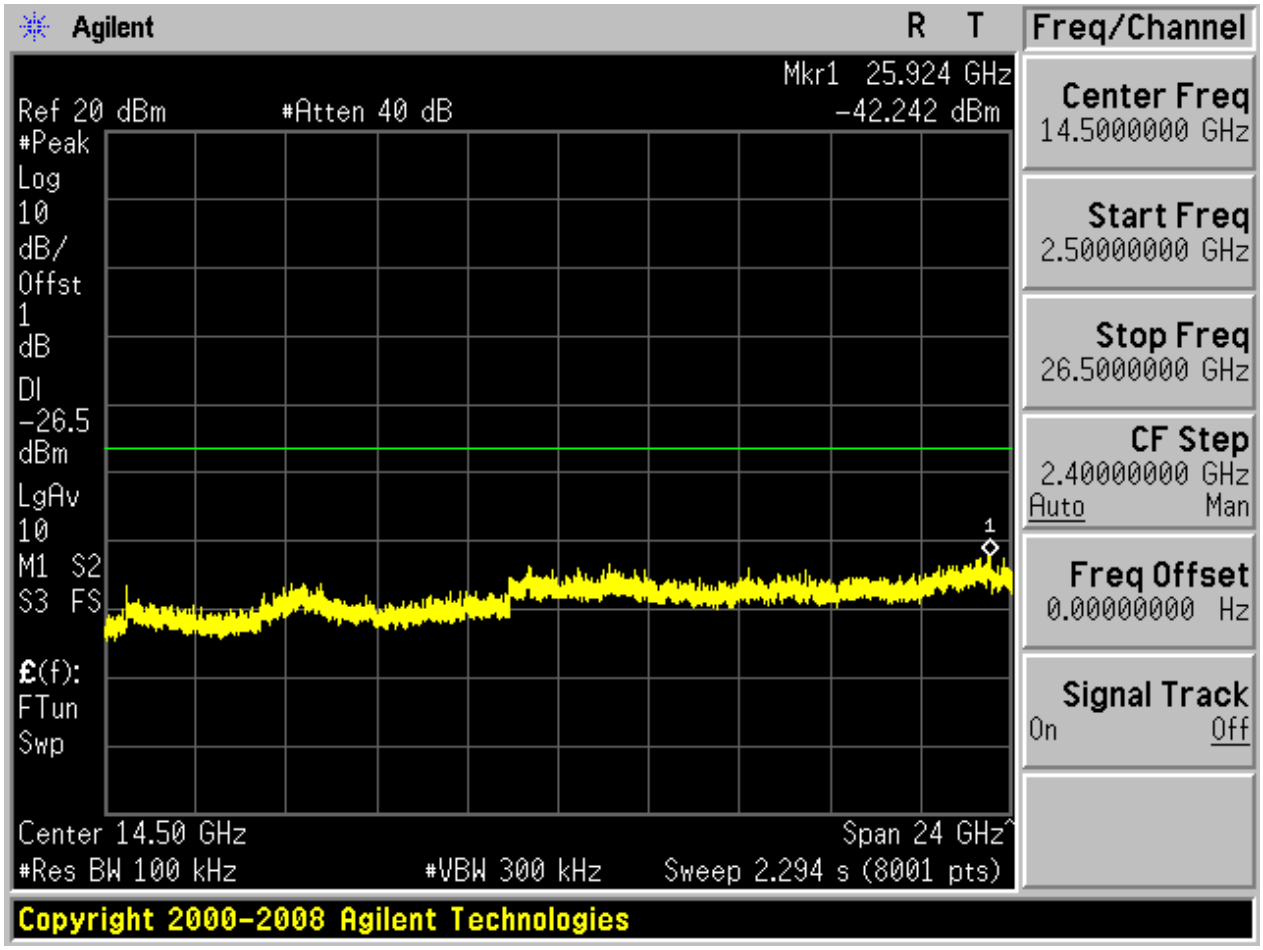

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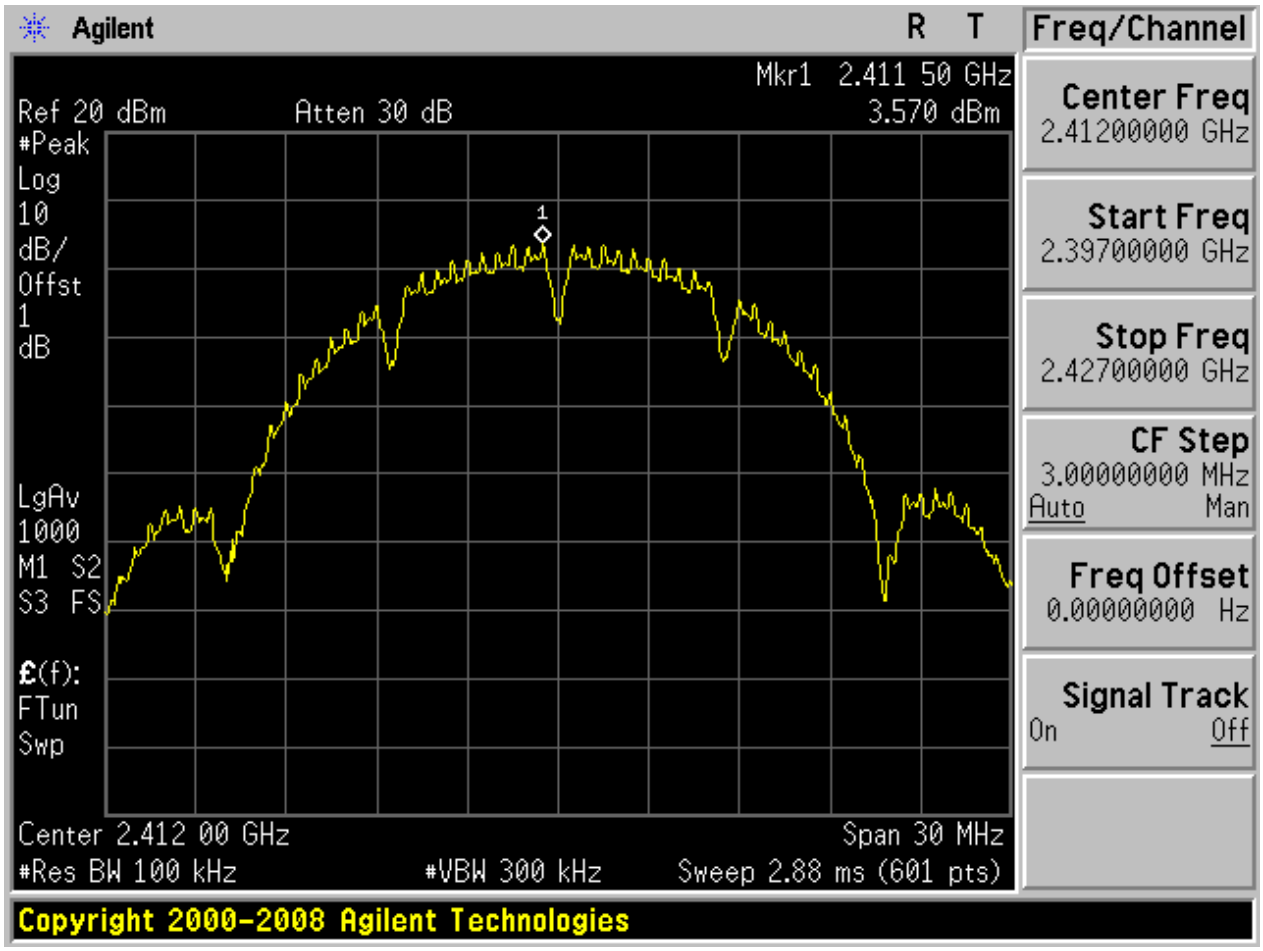
2.2 11B_L@Ant 2

Pref:



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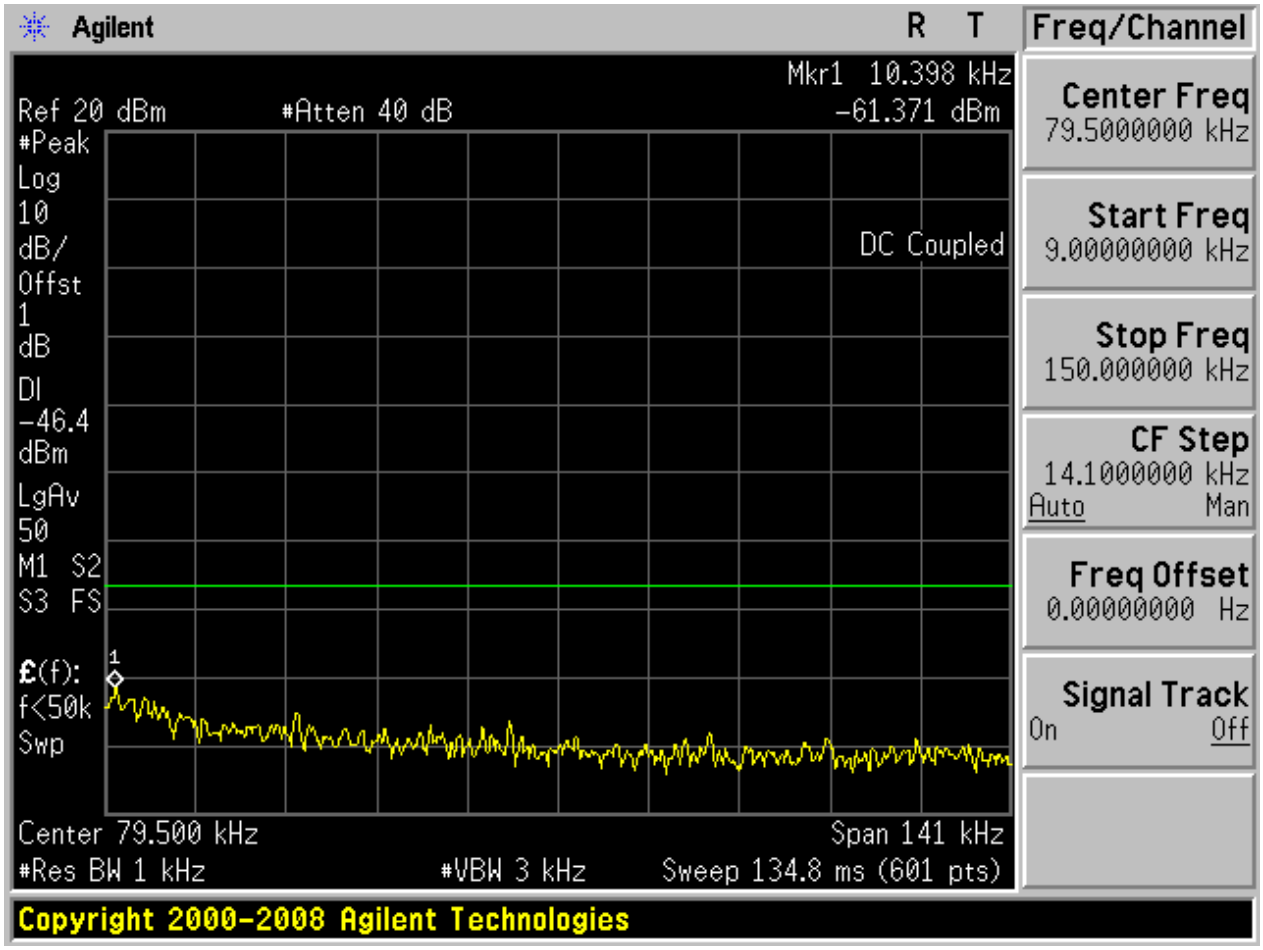
Puw:



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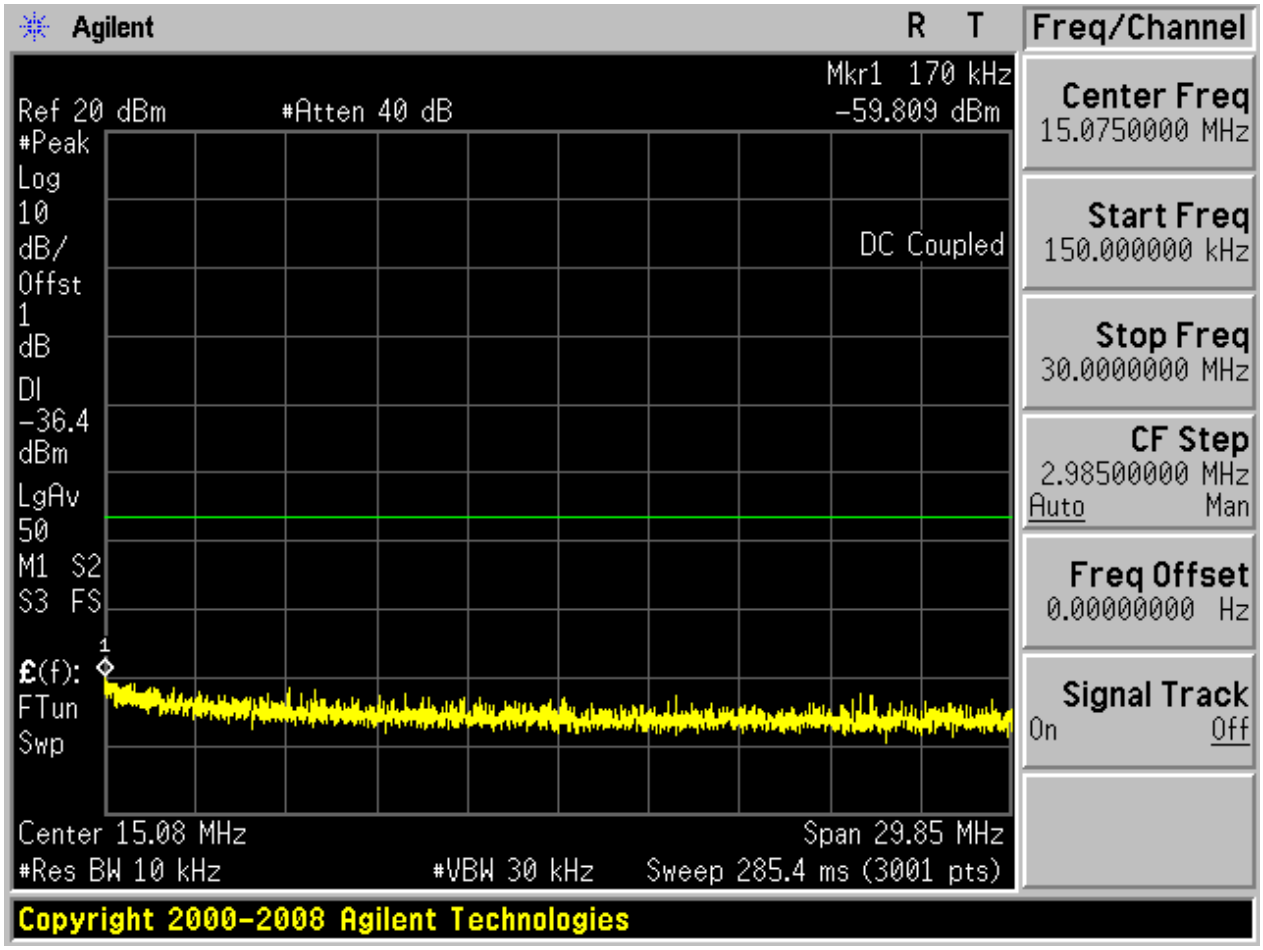
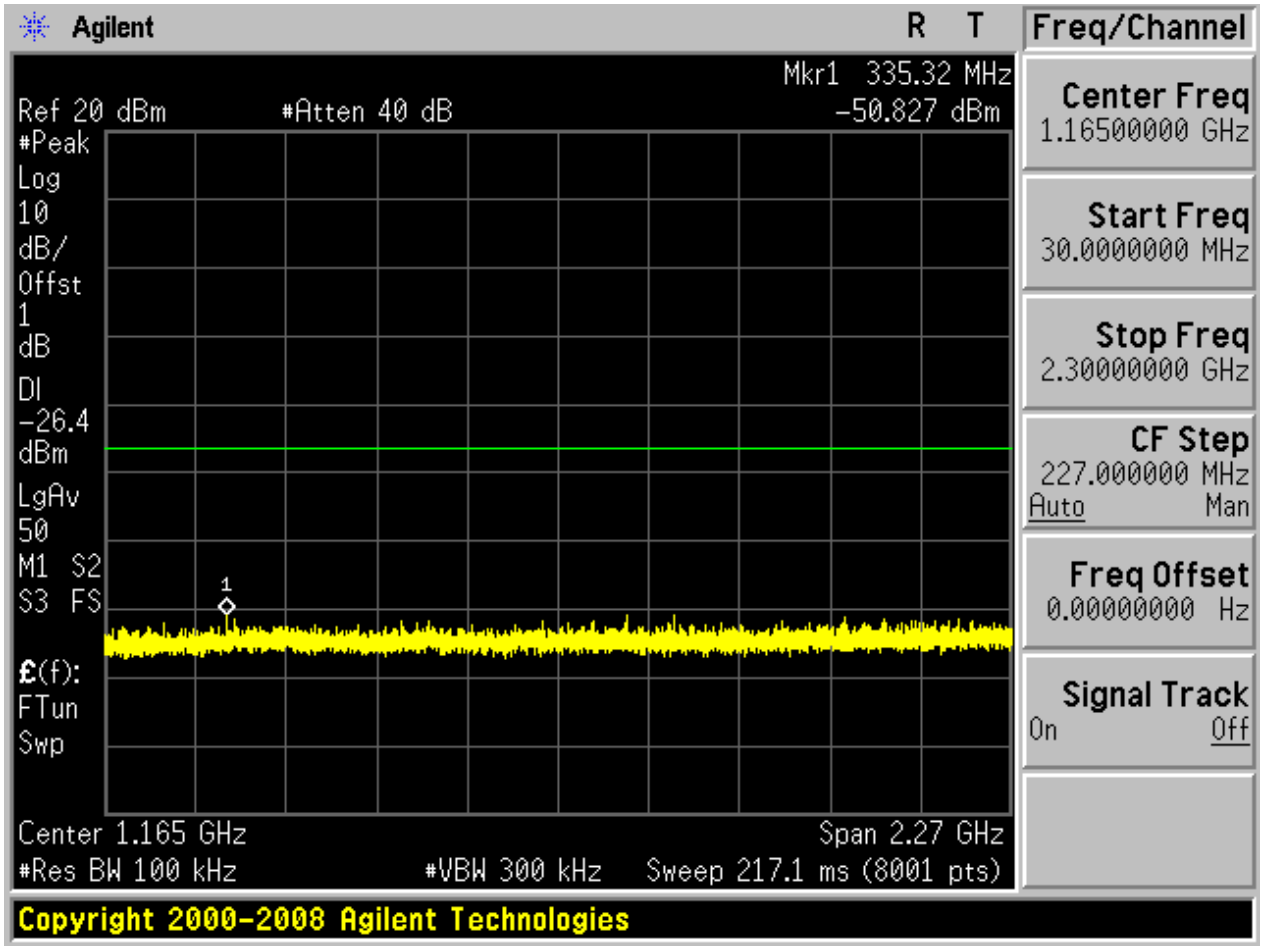

Agilent
R T
Freq/Channel
Mkr1 170 kHz
Ref 20 dBm
#Atten 40 dB
-59.809 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.4
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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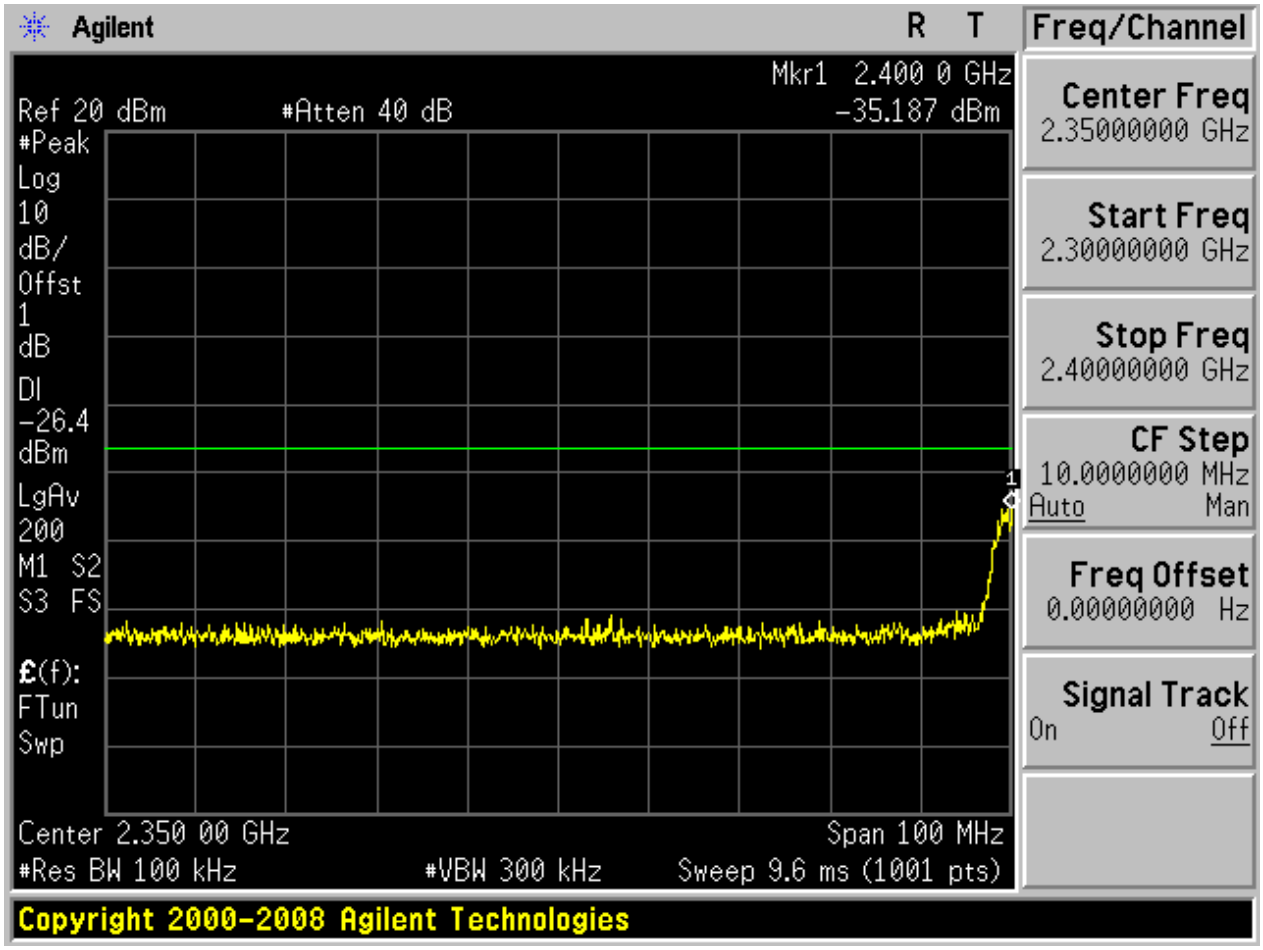
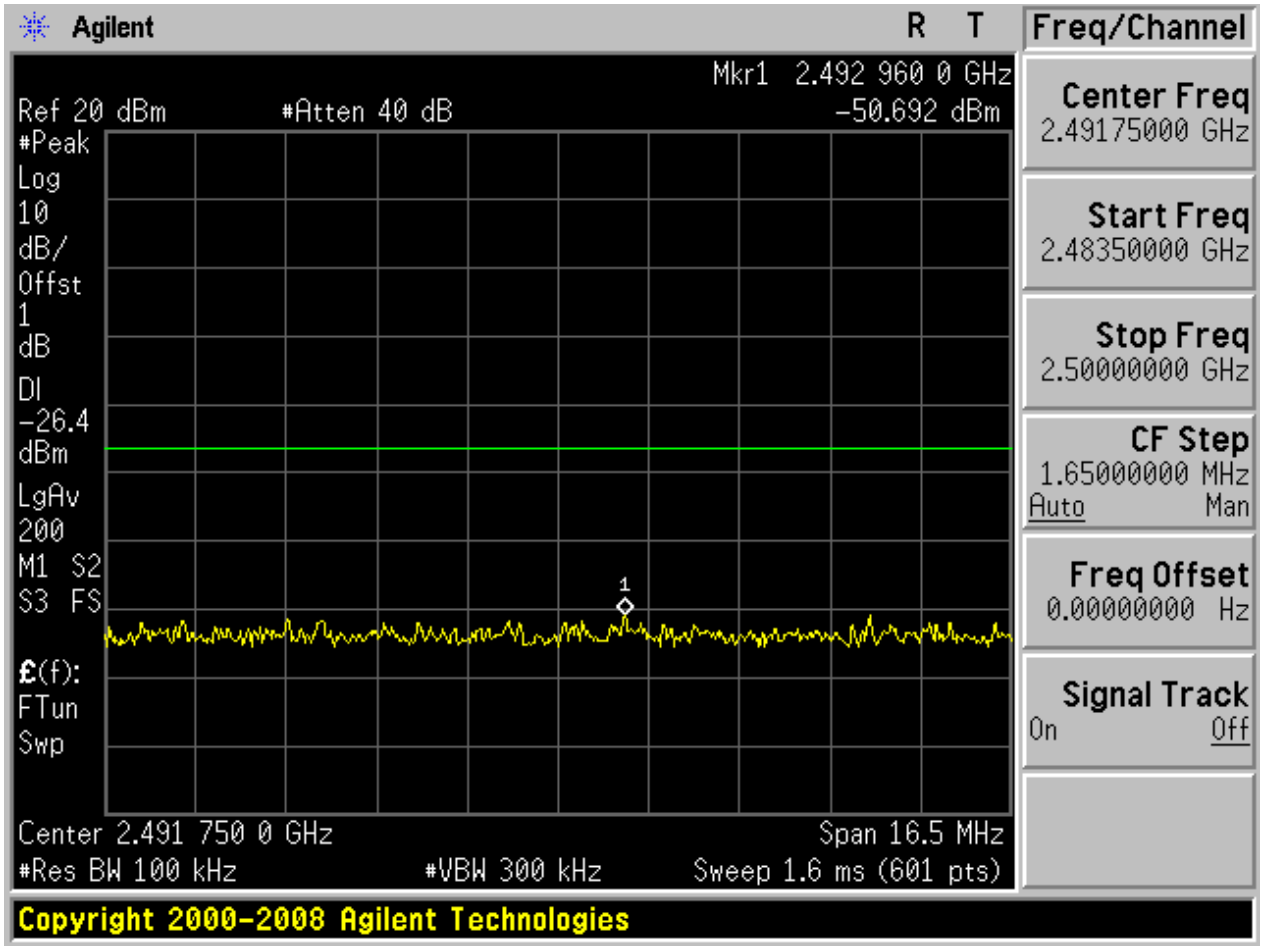

Agilent
R T
Freq/Channel
Mkr1 2.400 0 GHz
Ref 20 dBm
#Atten 40 dB
-35.187 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-26.4
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 2.350 00 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.6 ms (1001 pts)
Copyright 2000-2008 Agilent Technologies



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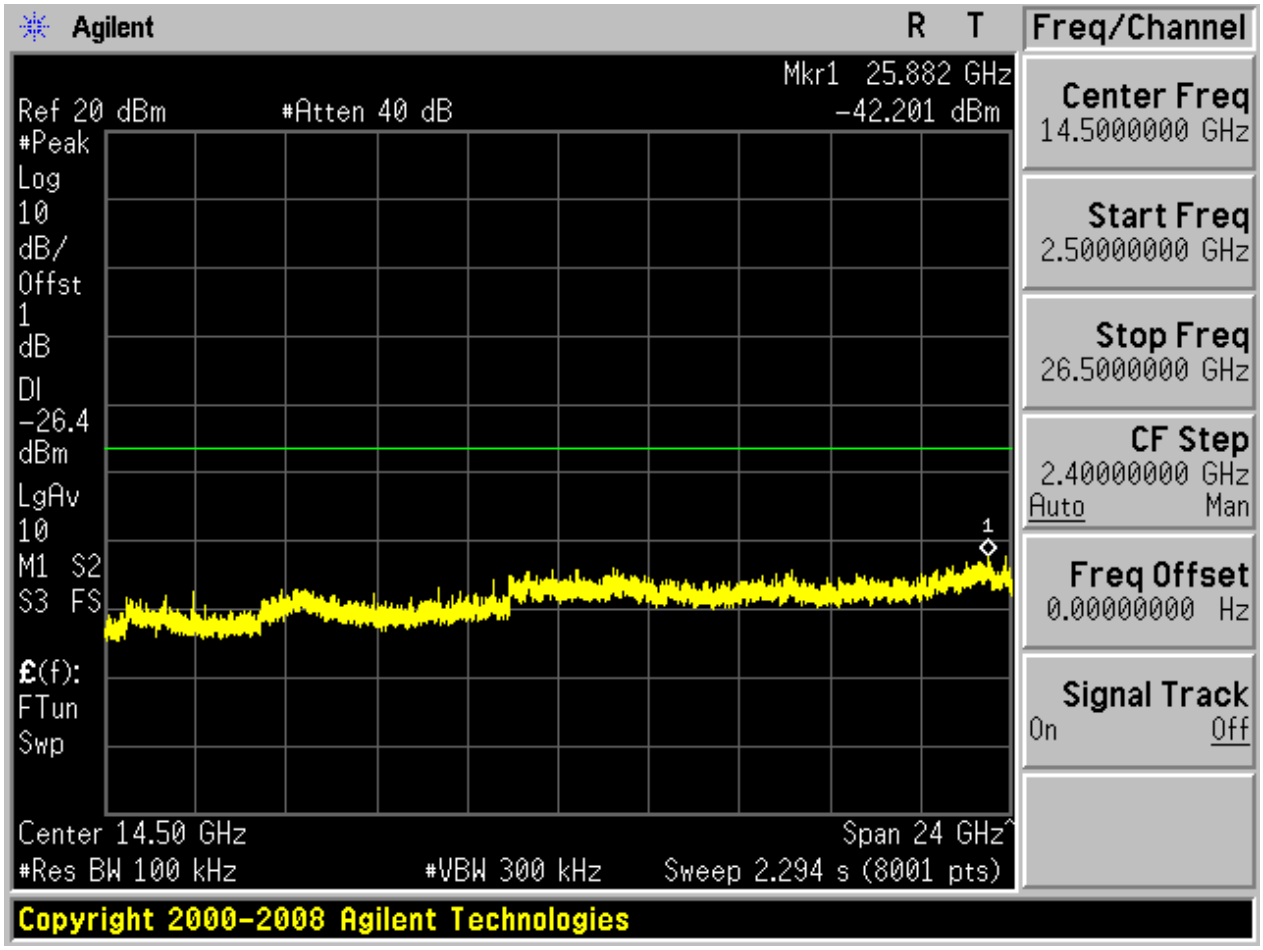

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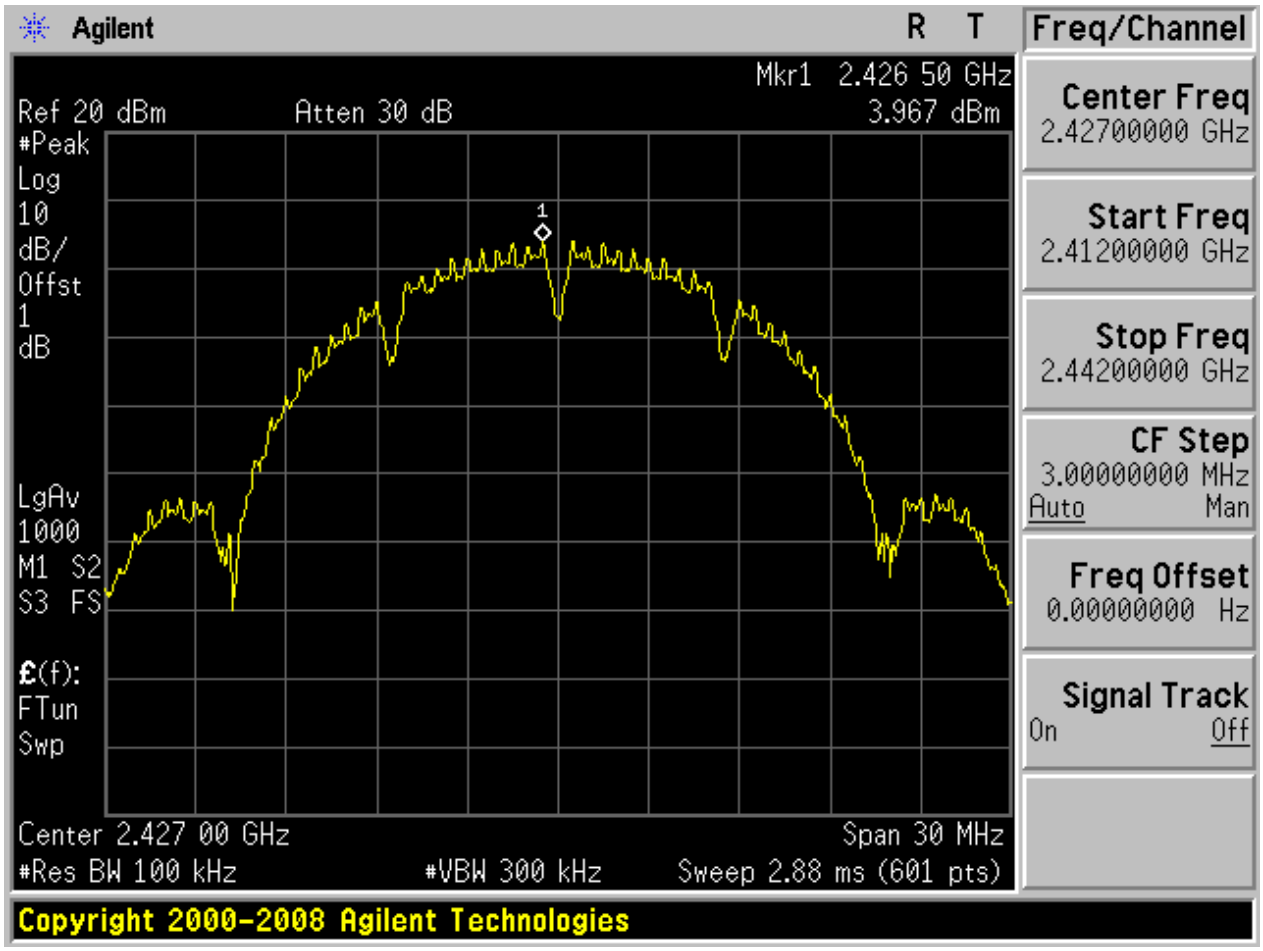
2.3 11B_M@Ant 1

Pref:



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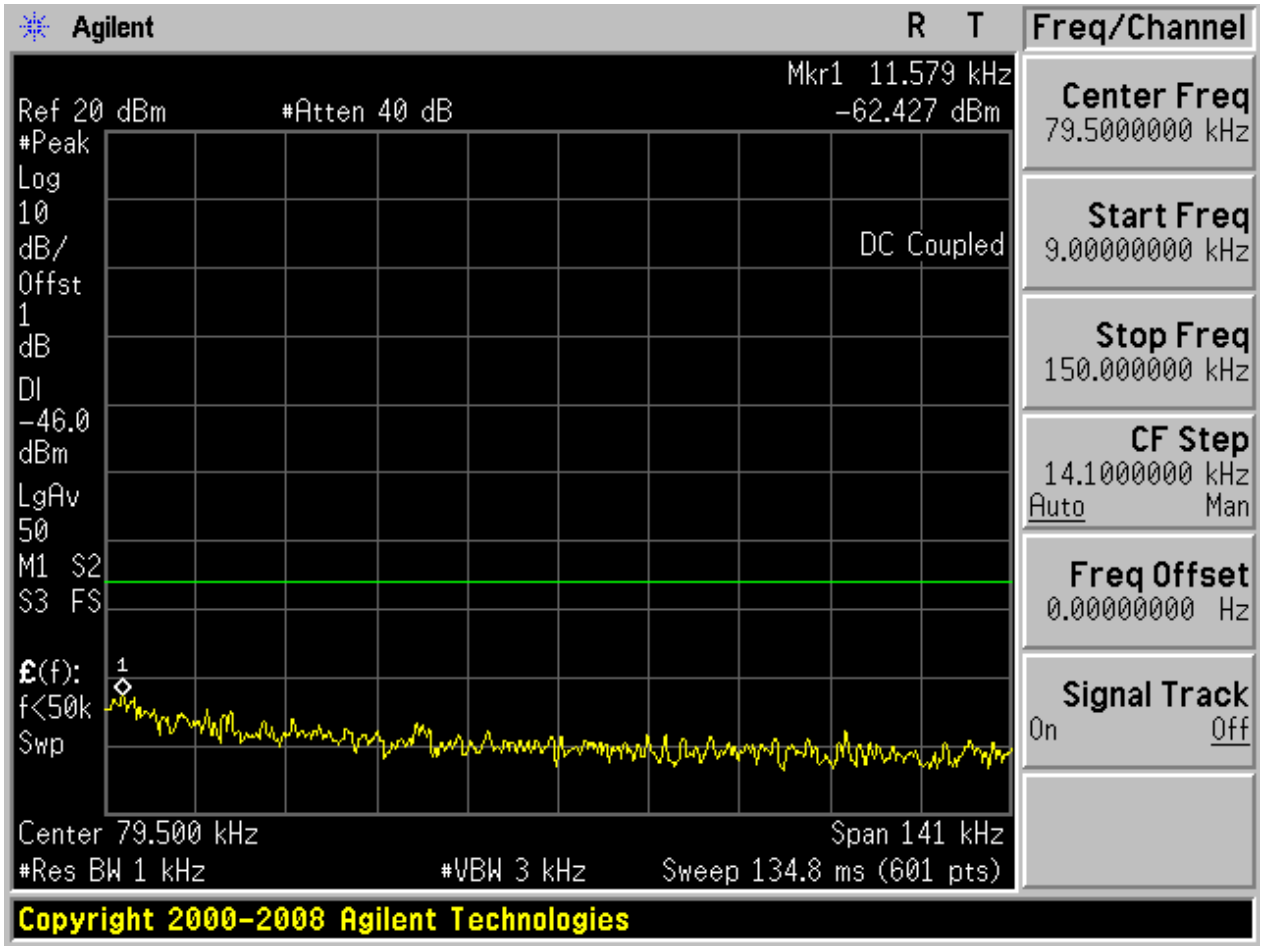
Puw:



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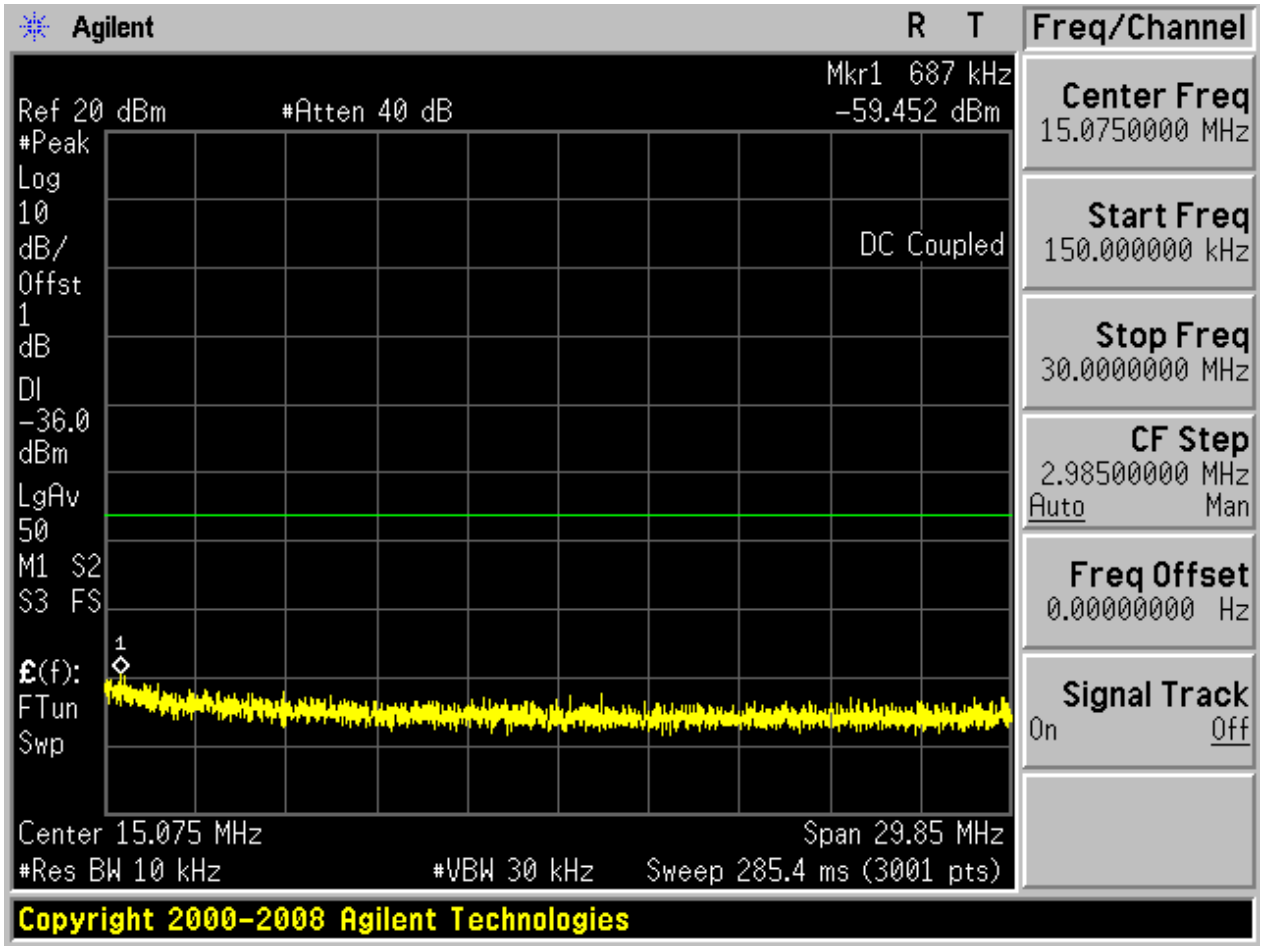

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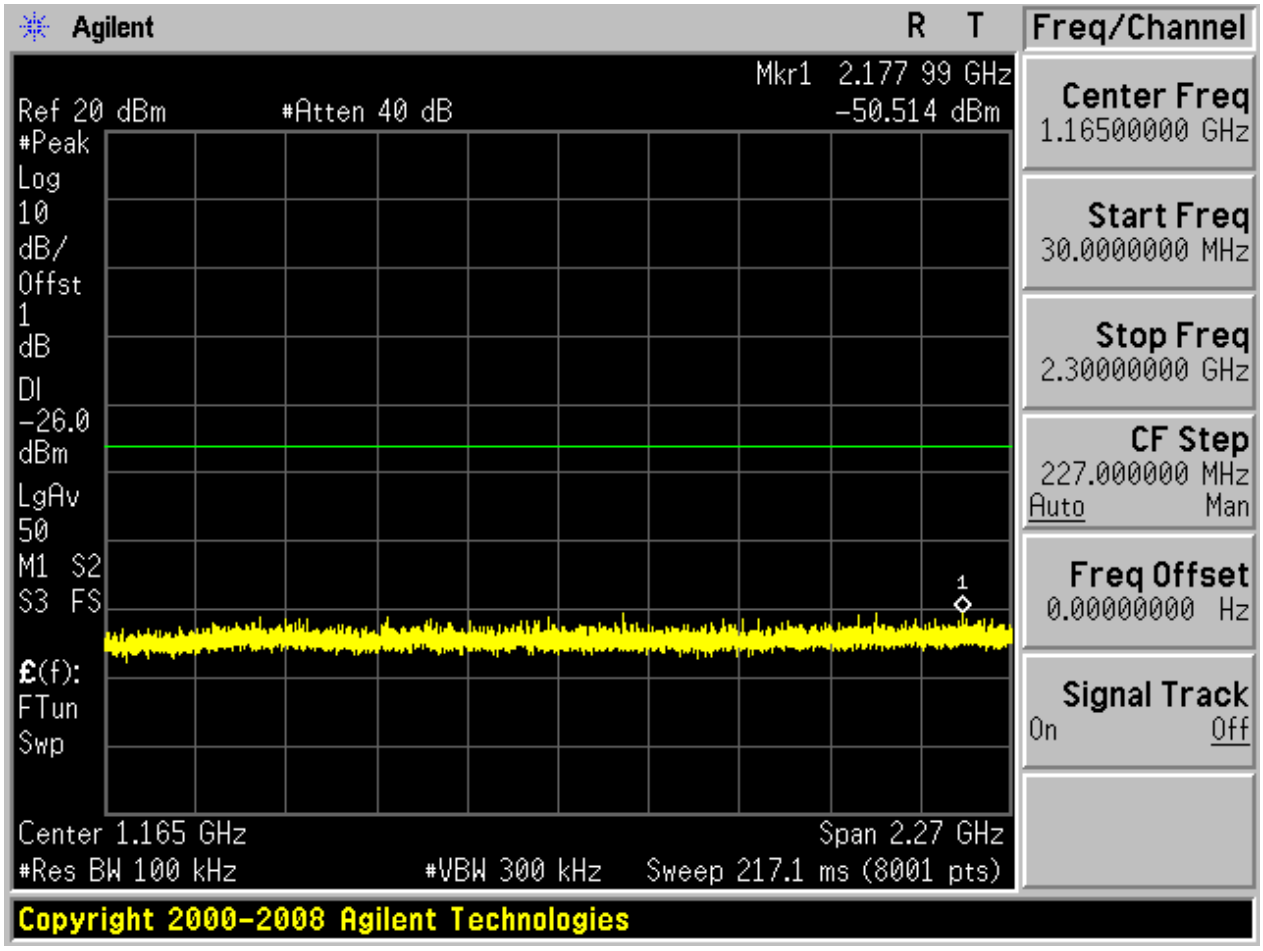
Agilent
R T
Freq/Channel
Mkr1 2.177 99 GHz
Ref 20 dBm
#Atten 40 dB
-50.514 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-26.0
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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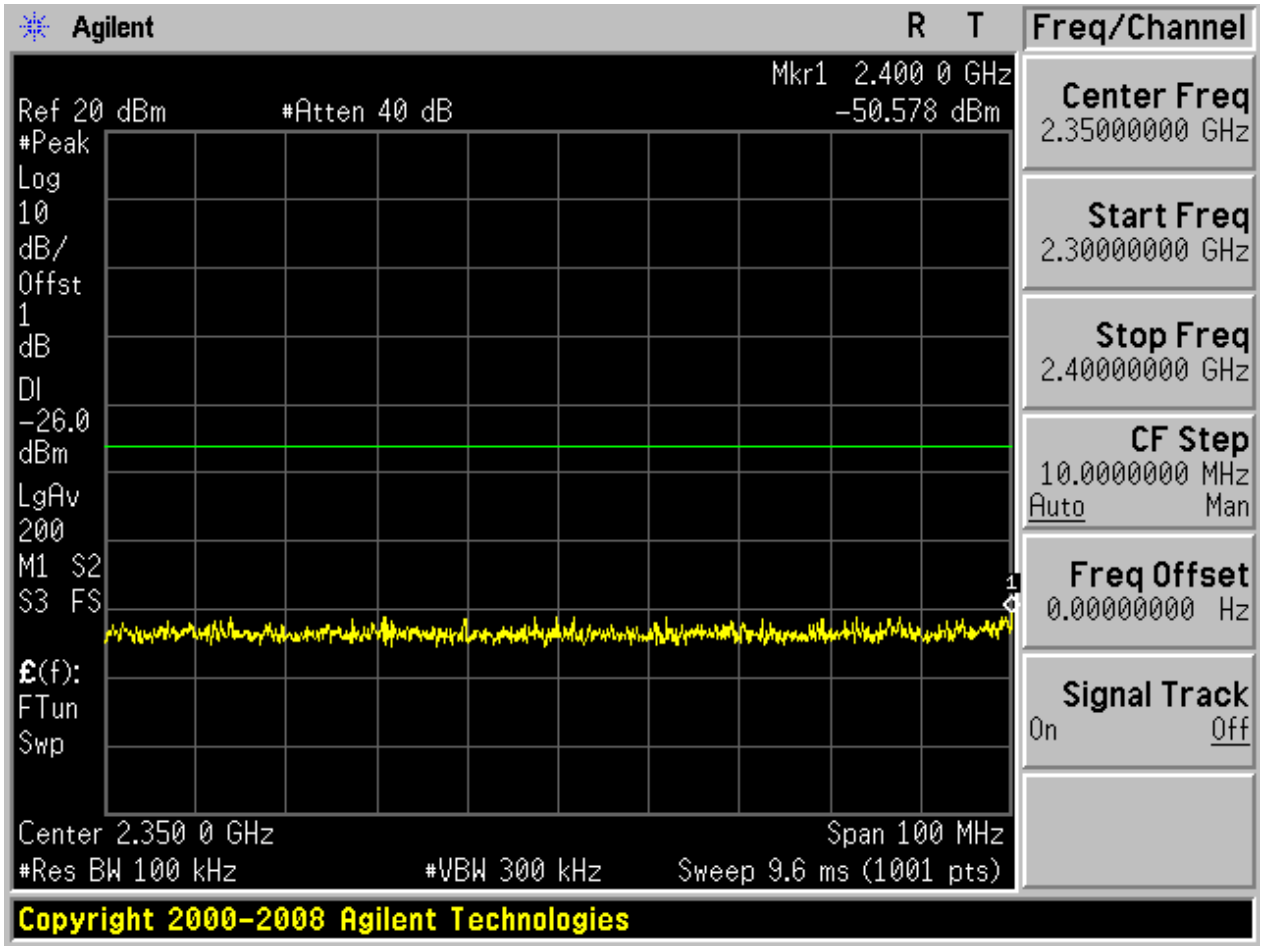
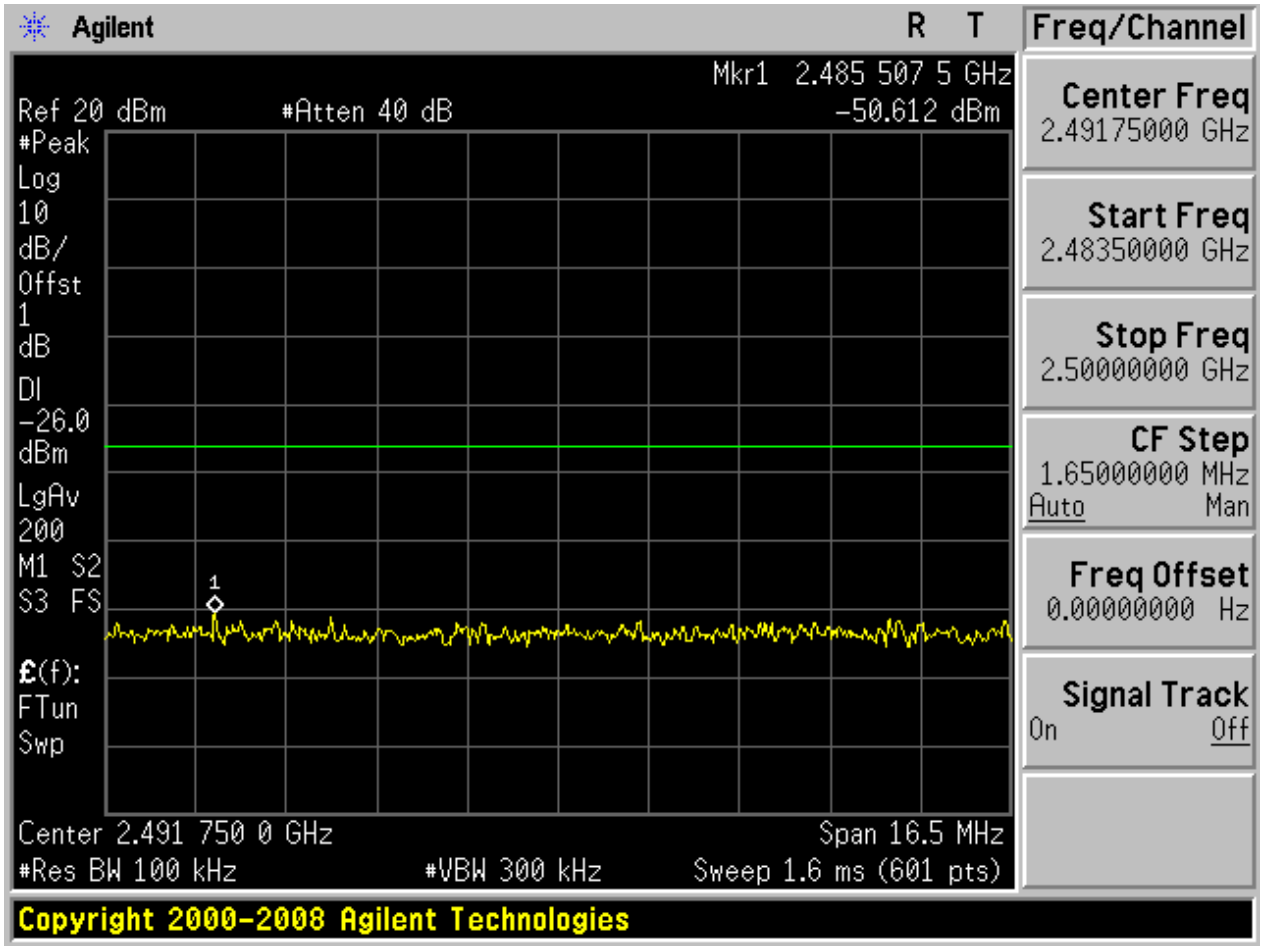

Agilent
R T
Freq/Channel
Mkr1 2.400 0 GHz
Ref 20 dBm
#Atten 40 dB
-50.578 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-26.0
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center 2.350 0 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.6 ms (1001 pts)
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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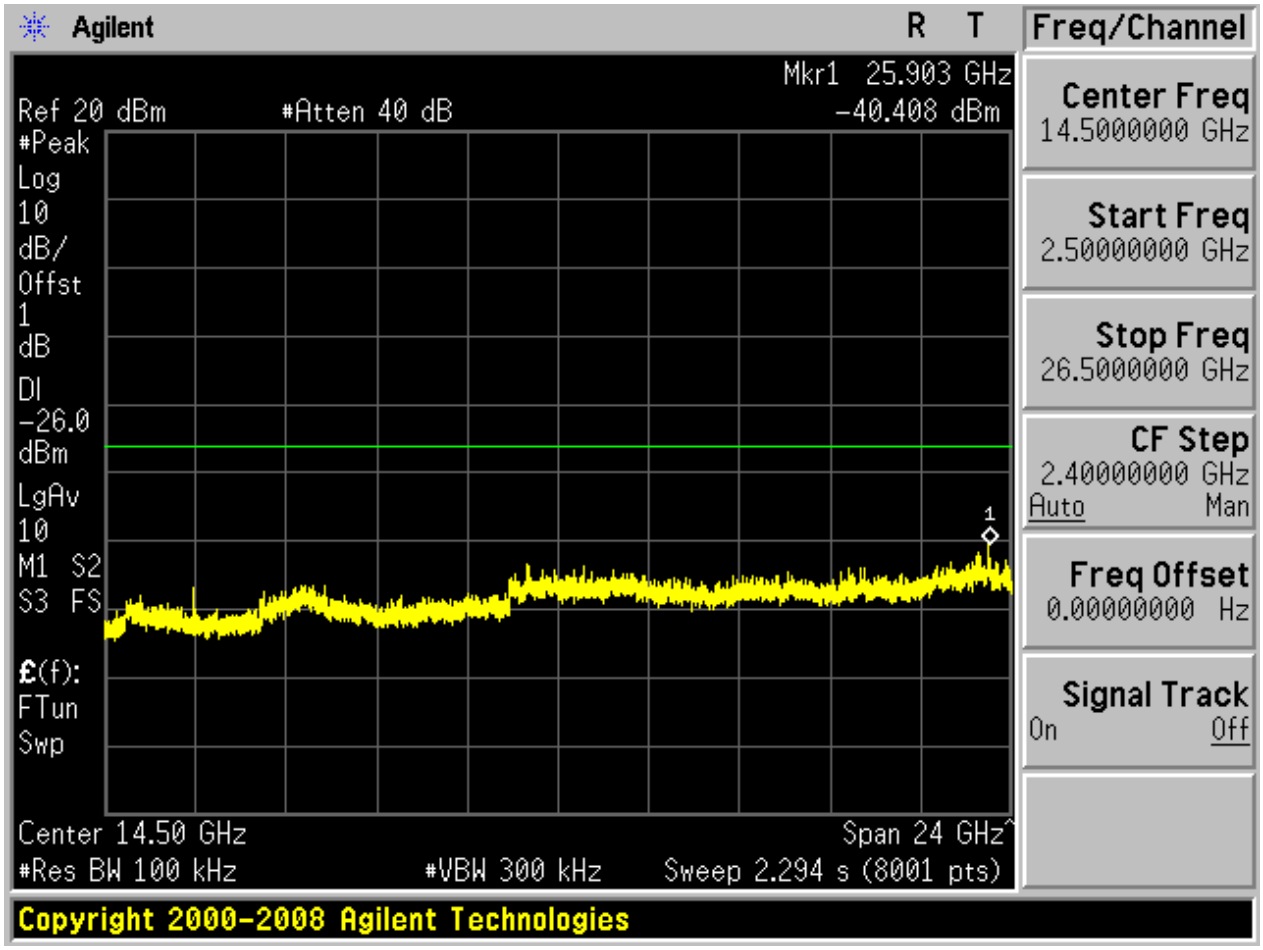

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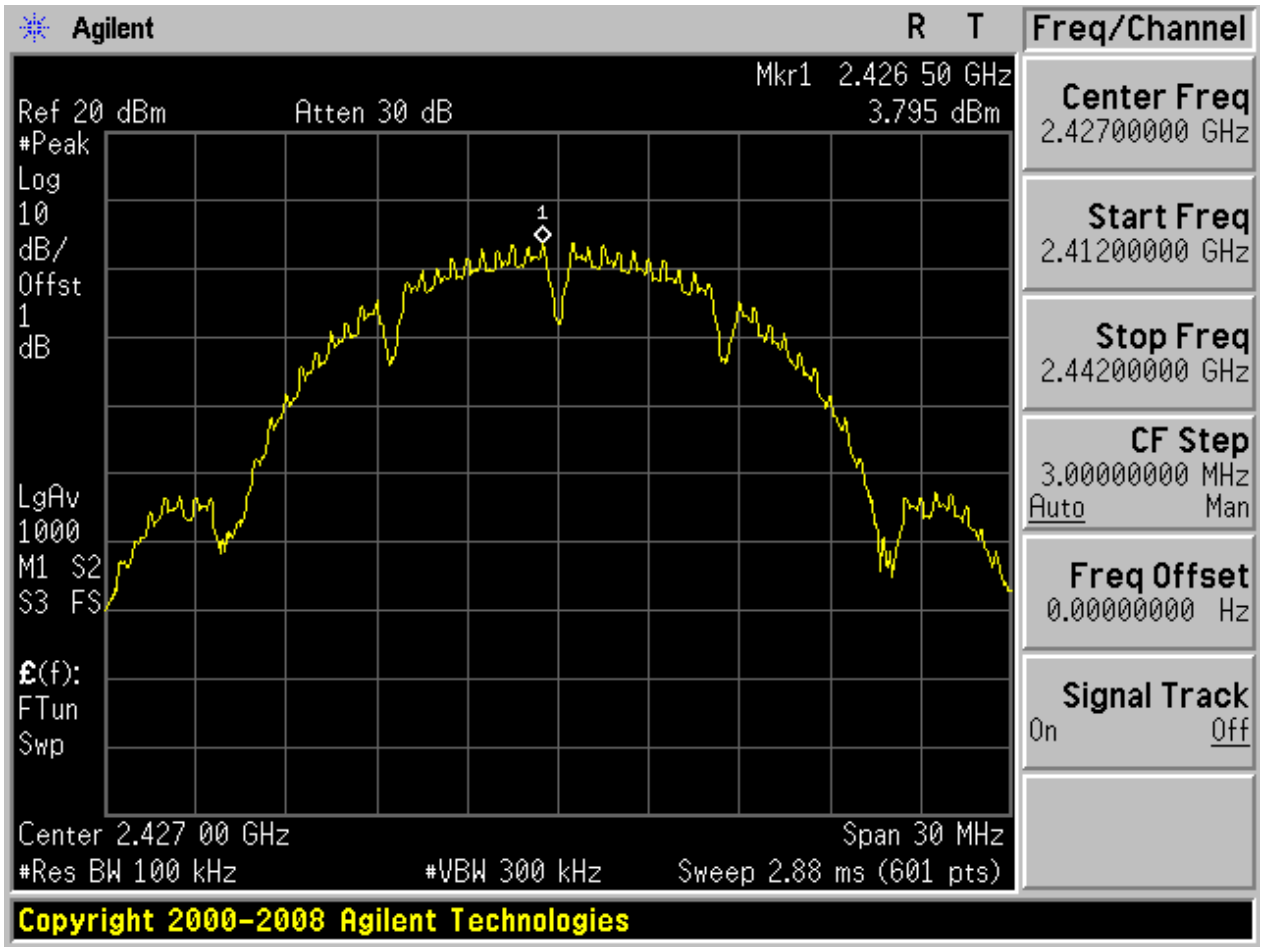
2.4 11B_M@Ant 2

Pref:



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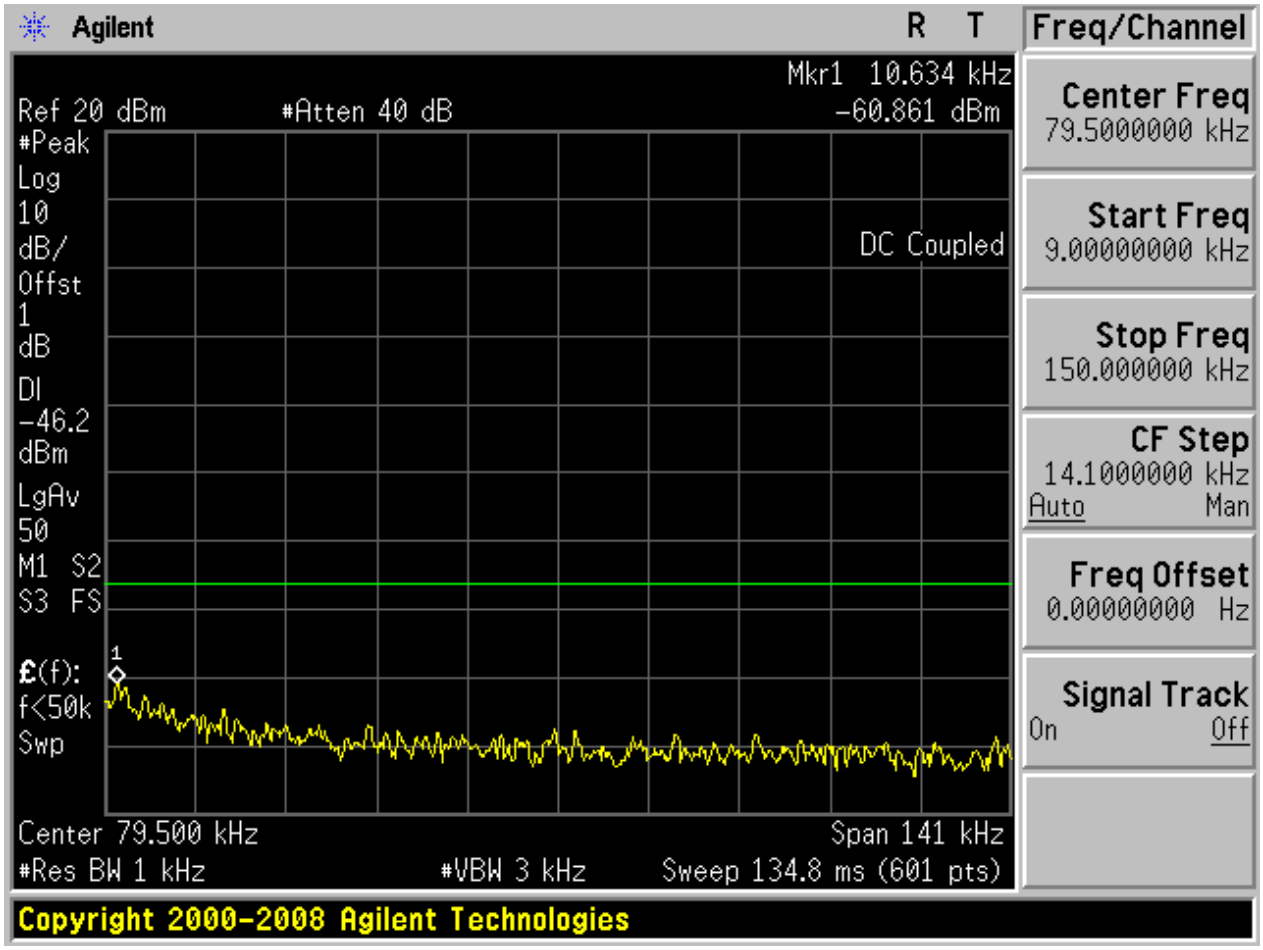
Puw:



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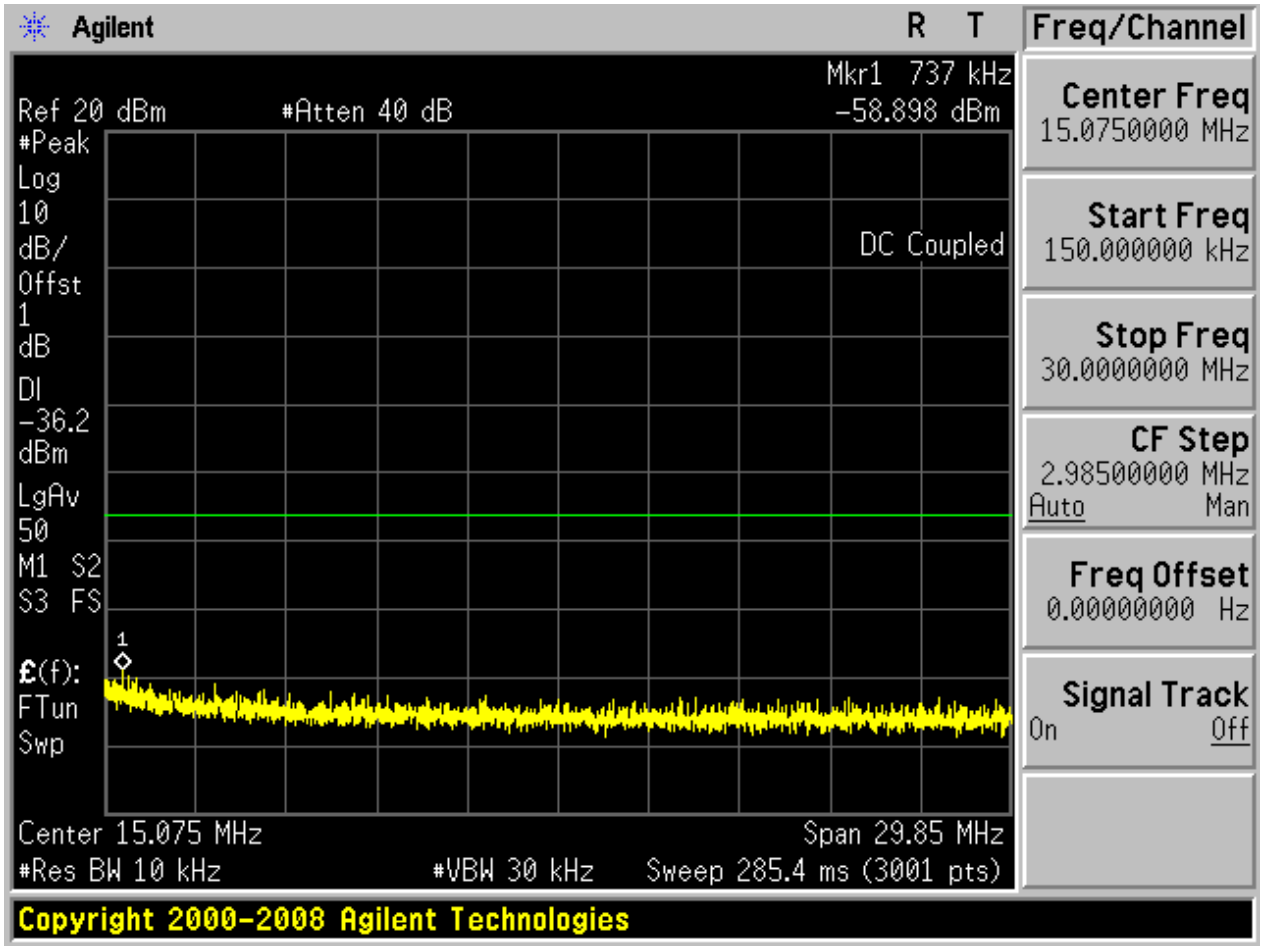
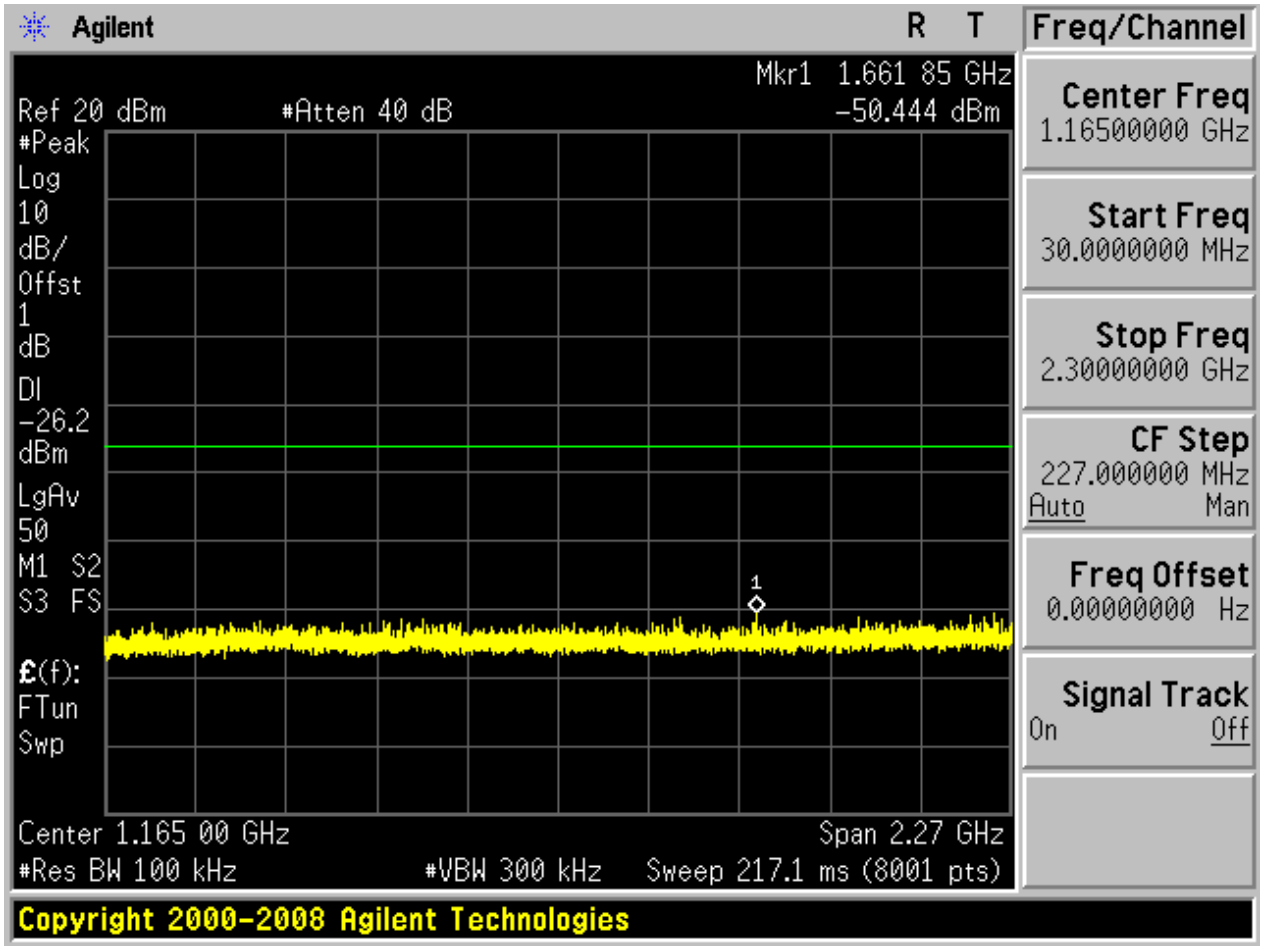
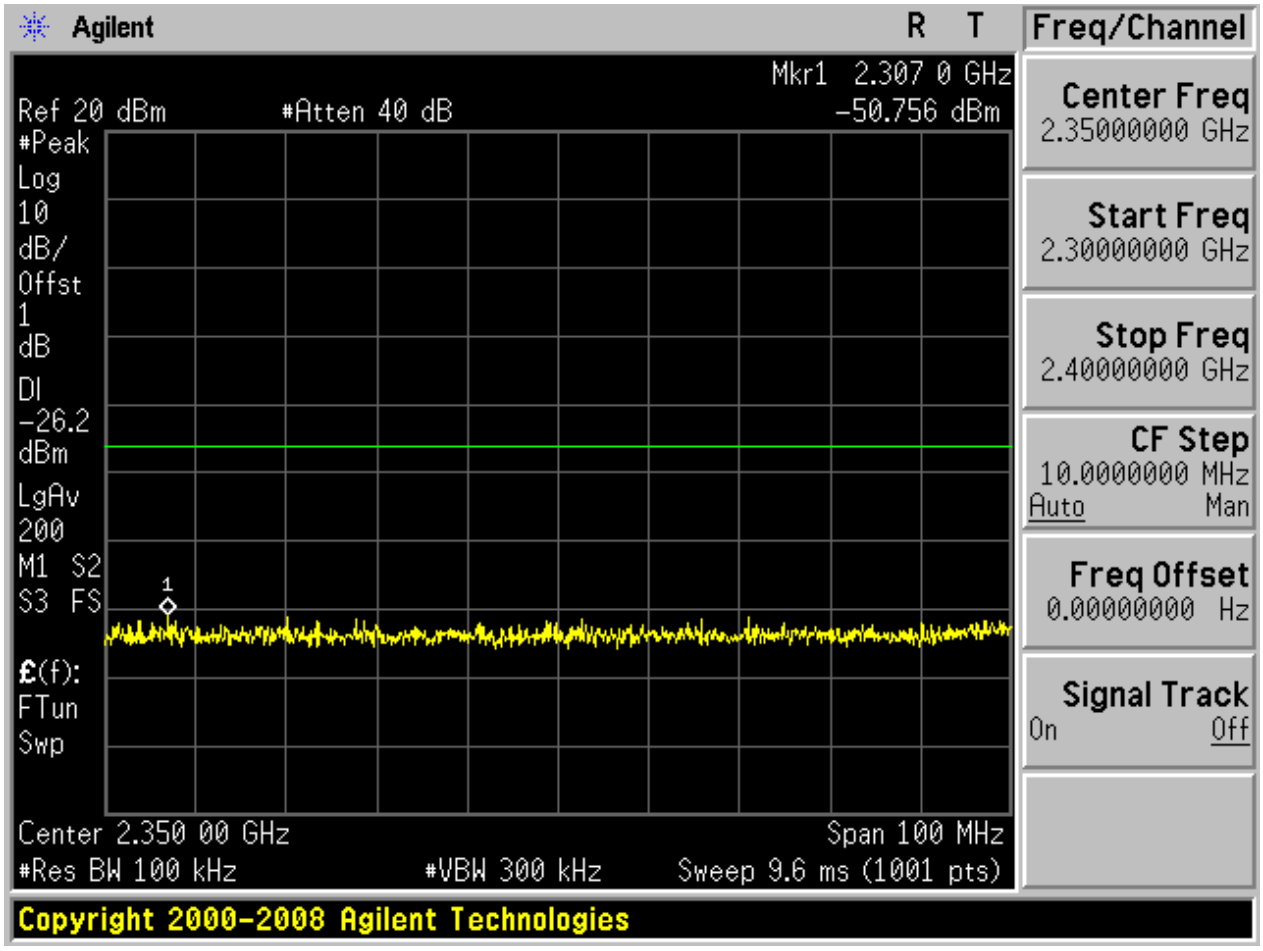

Agilent
R T
Freq/Channel
Mkr1 737 kHz
Ref 20 dBm
#Atten 40 dB
-58.898 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.2
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 1.661 85 GHz
Ref 20 dBm
#Atten 40 dB
-50.444 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-26.2
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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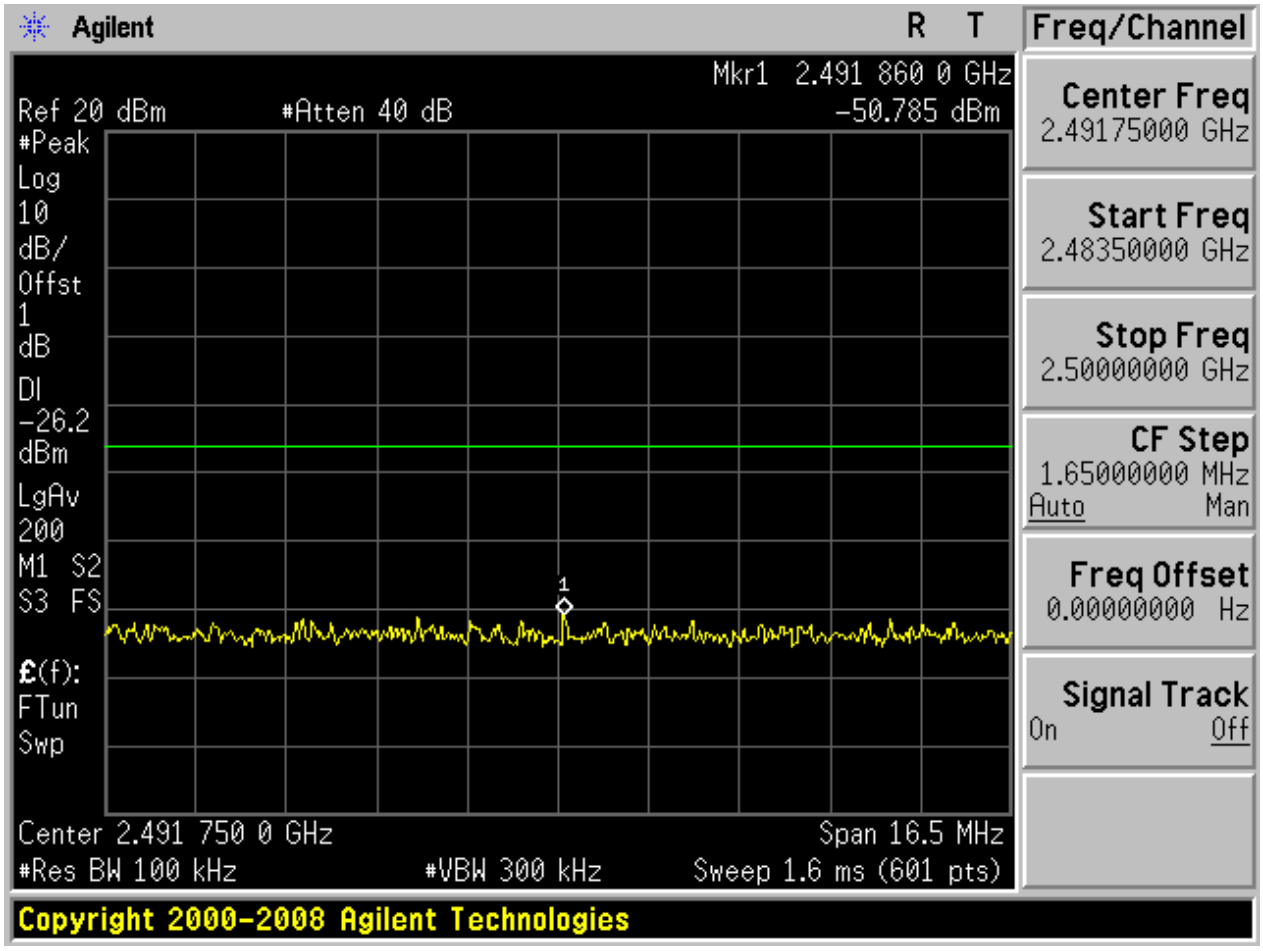

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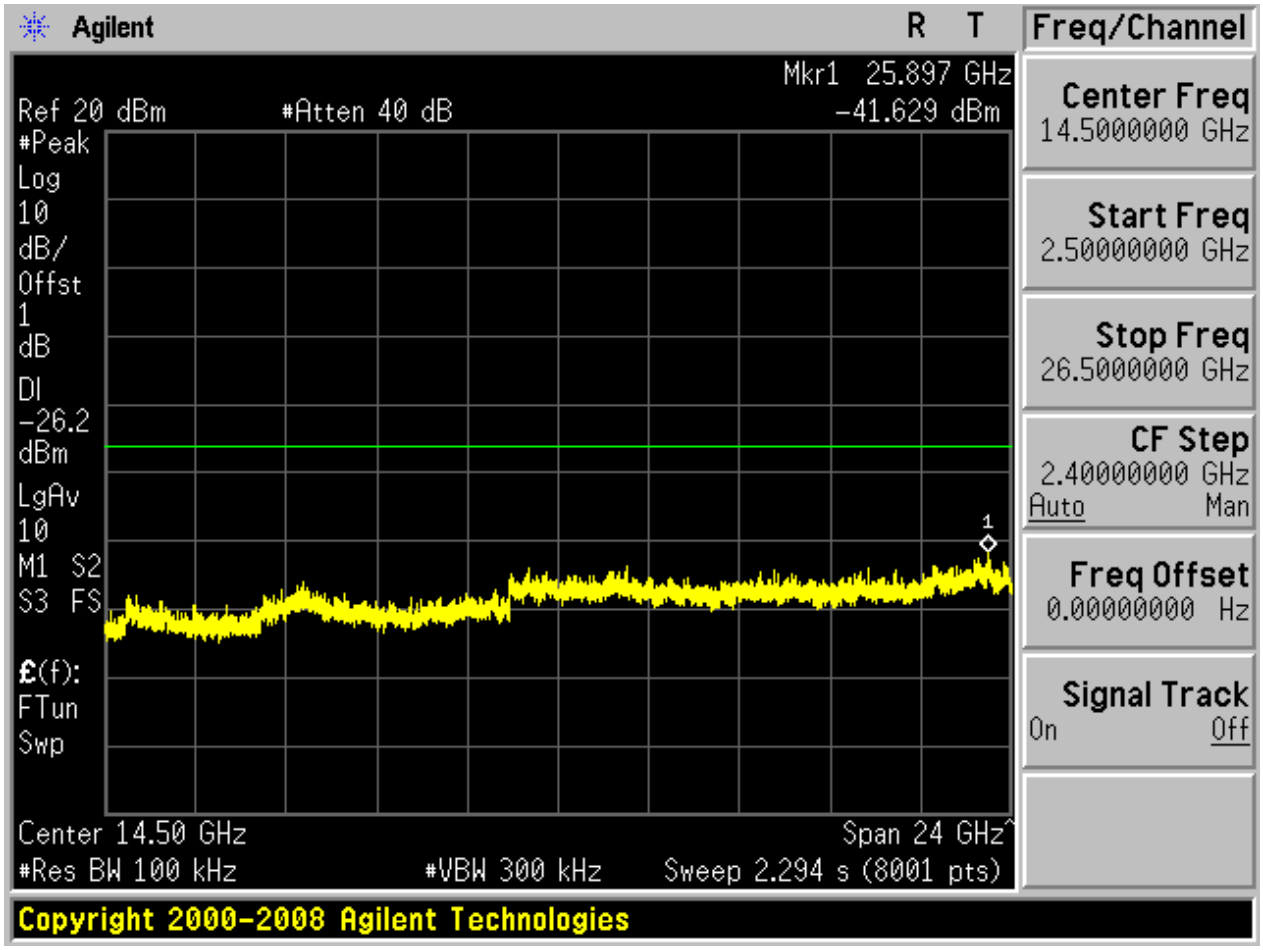

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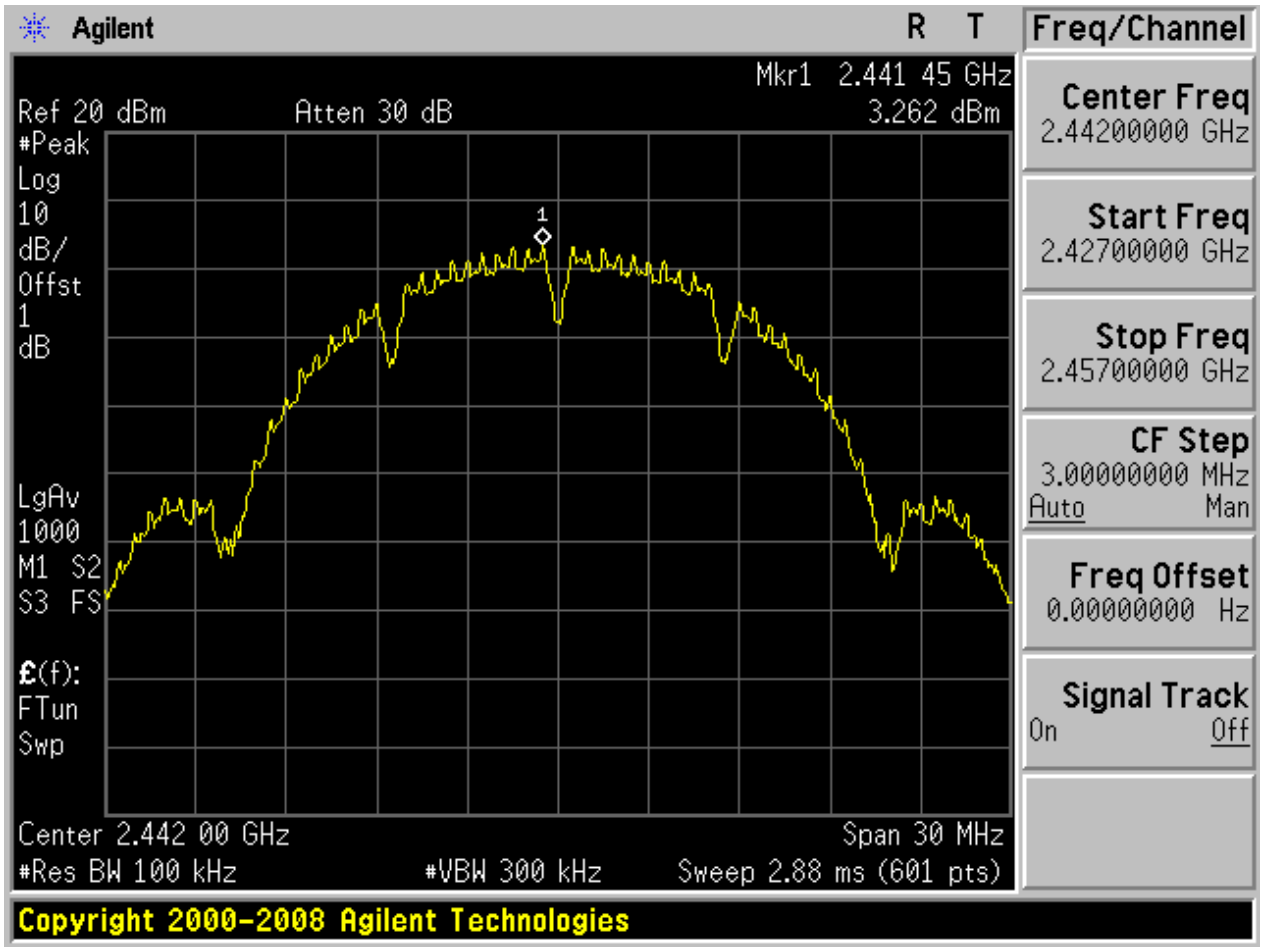
2.5 11B_H@Ant 1

Pref:



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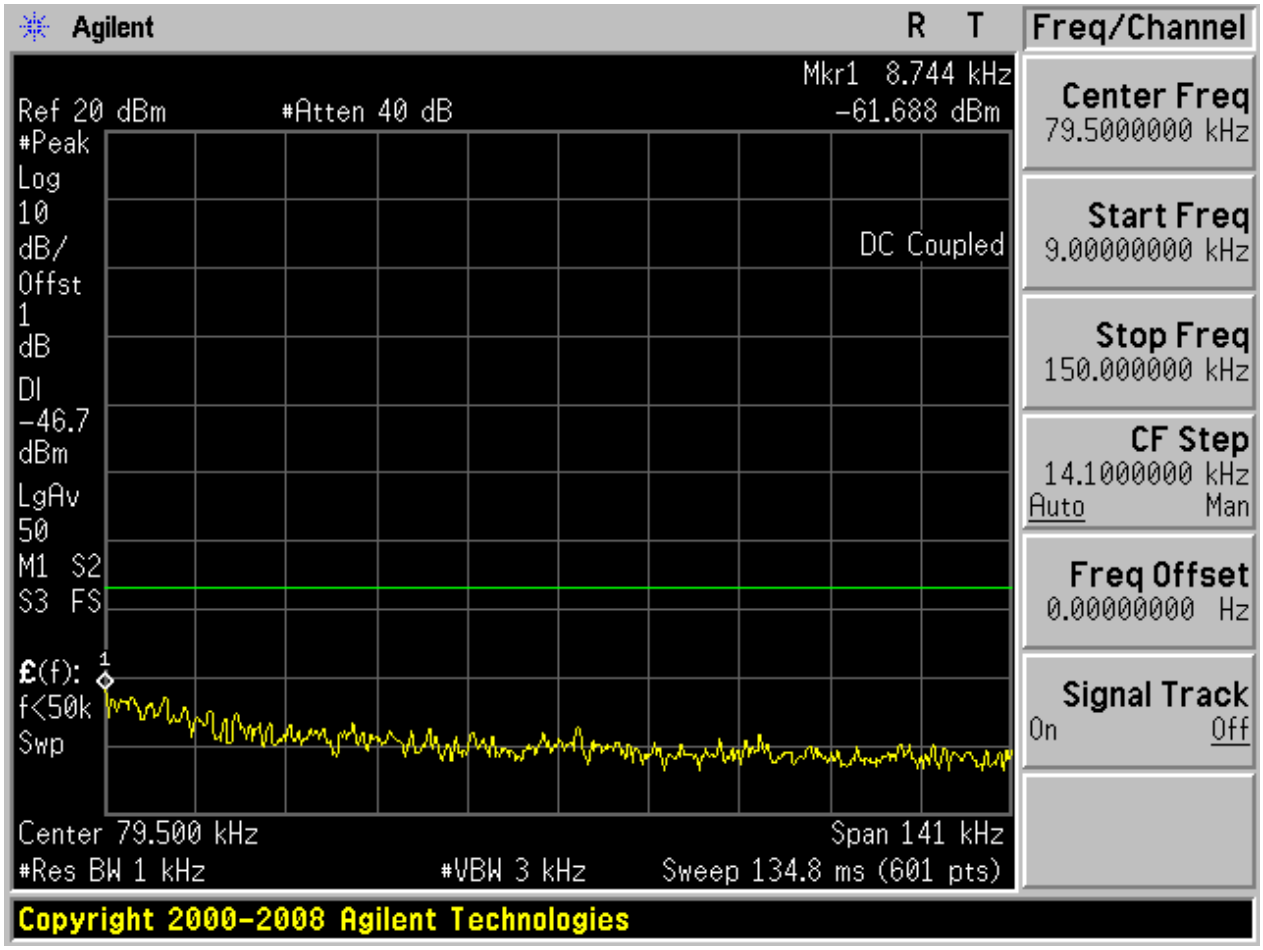
Puw:



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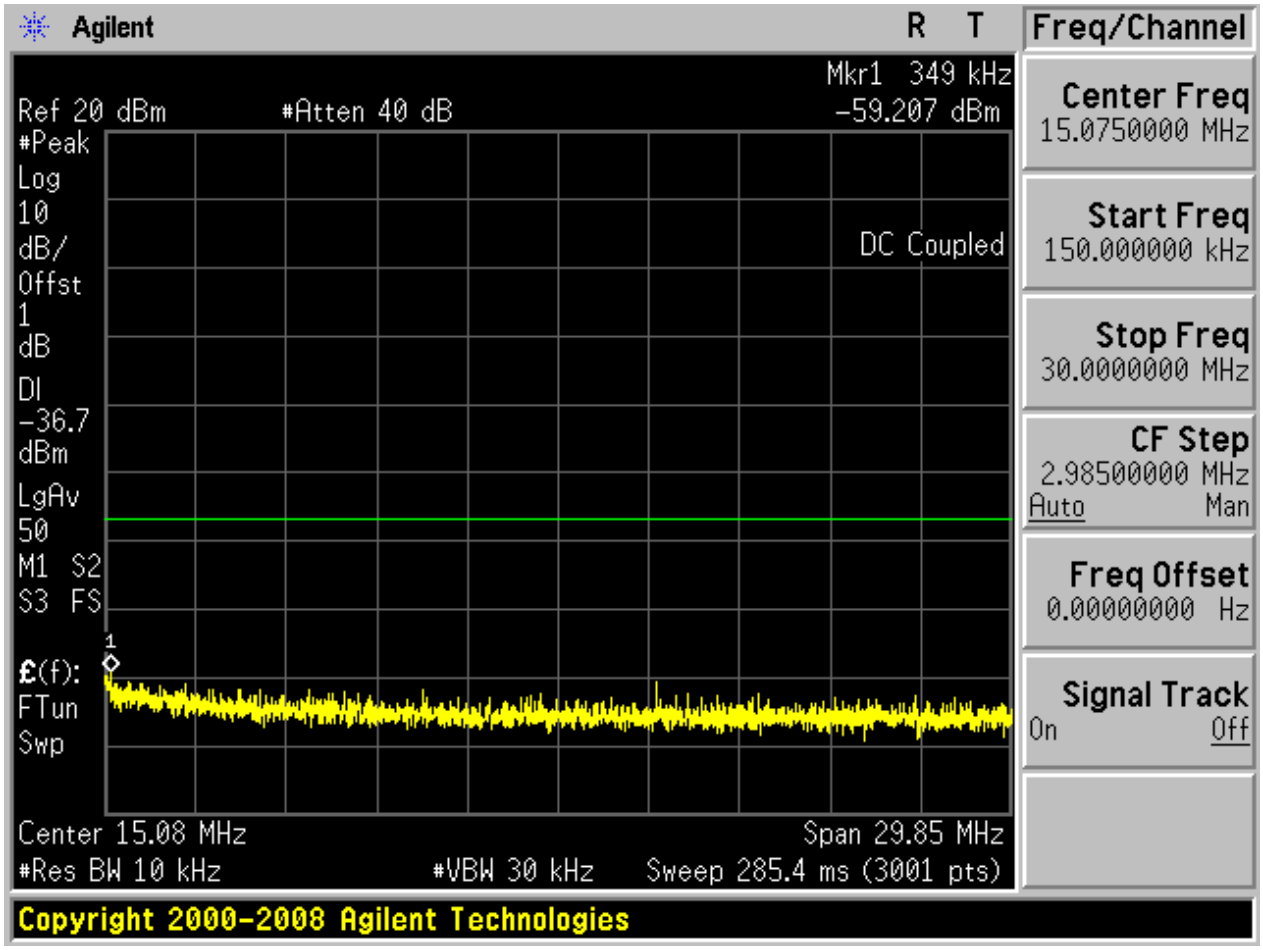
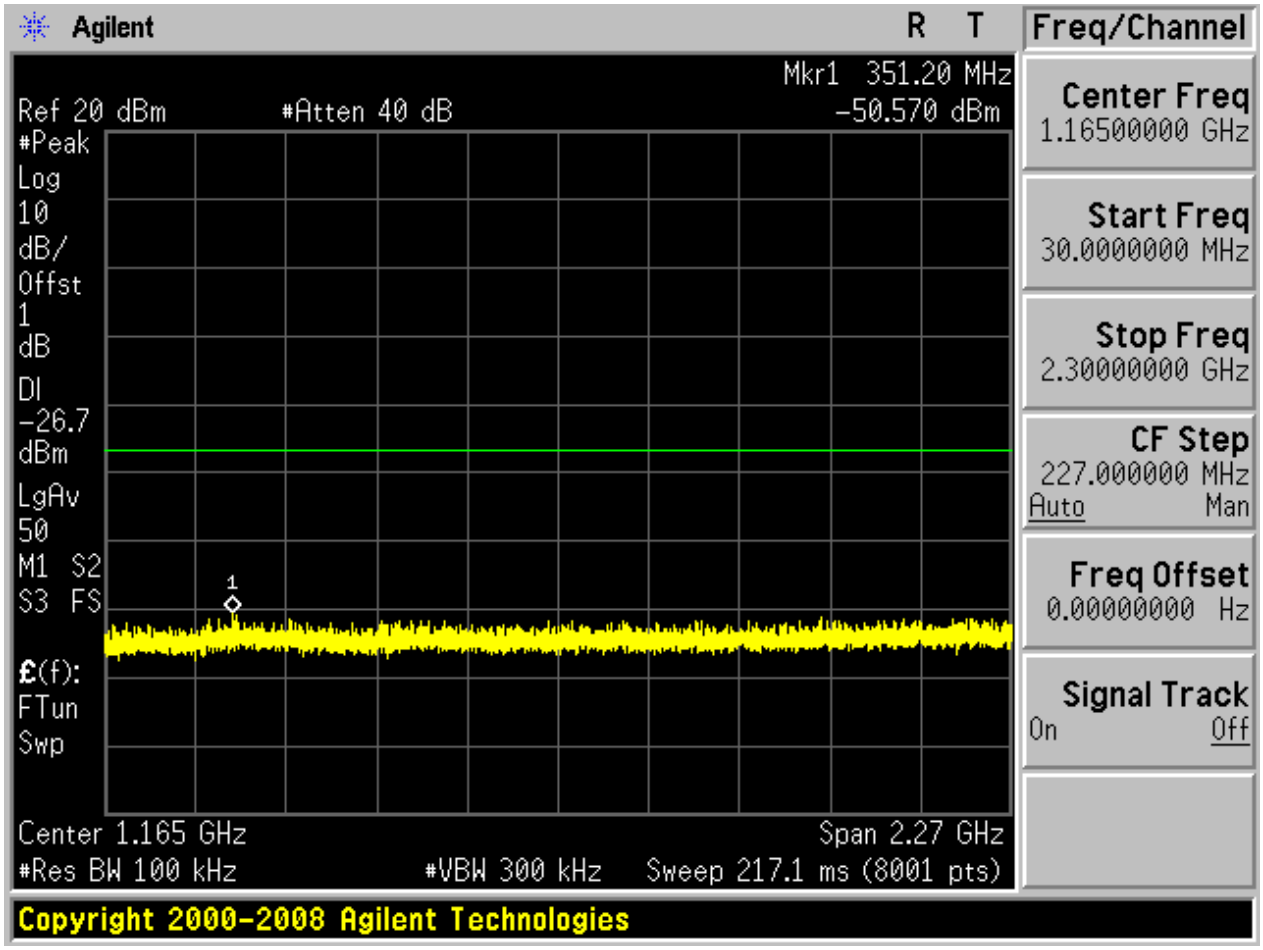

Agilent
R T
Freq/Channel
Mkr1 349 kHz
Ref 20 dBm
#Atten 40 dB
-59.207 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.7
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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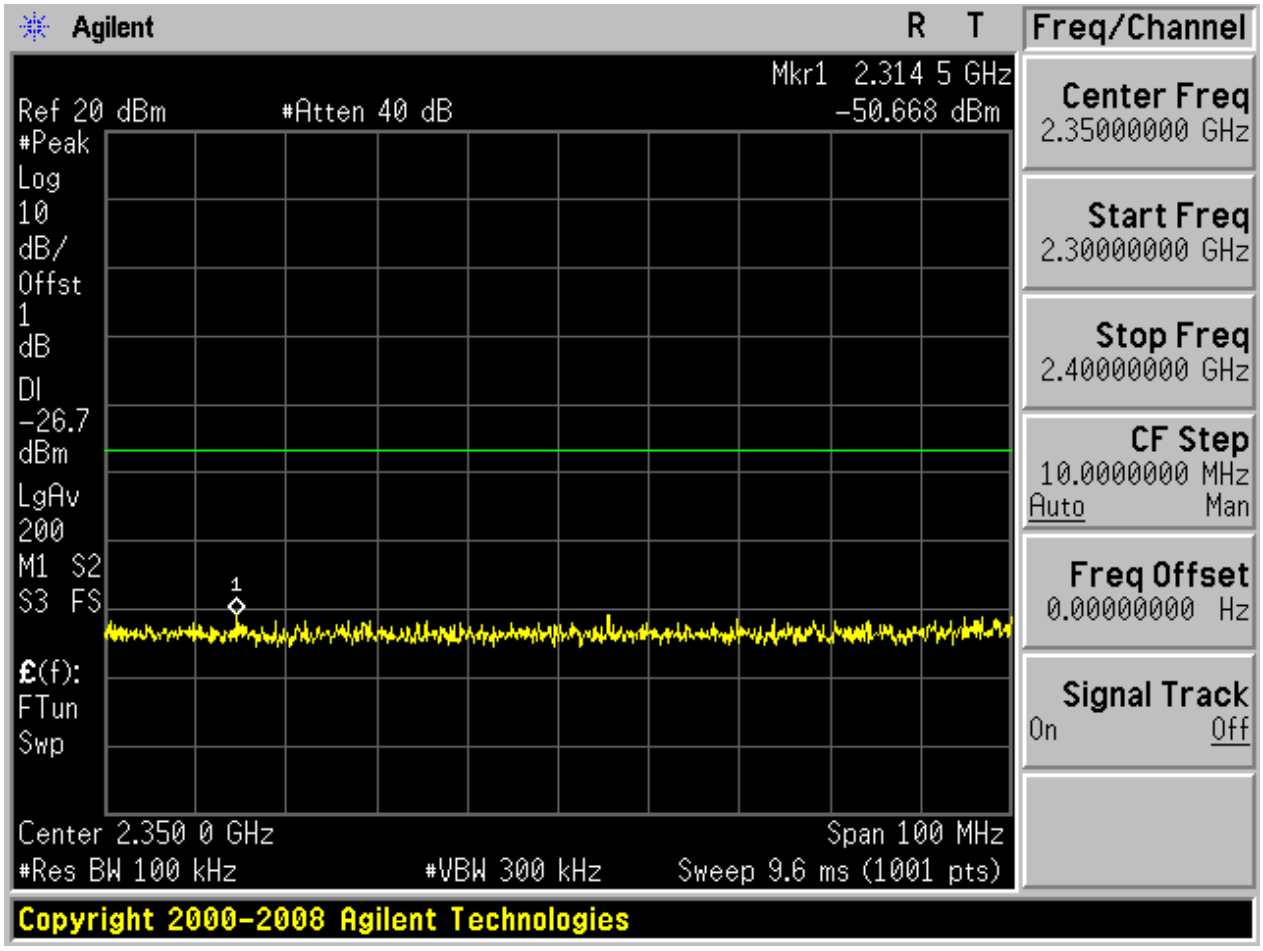
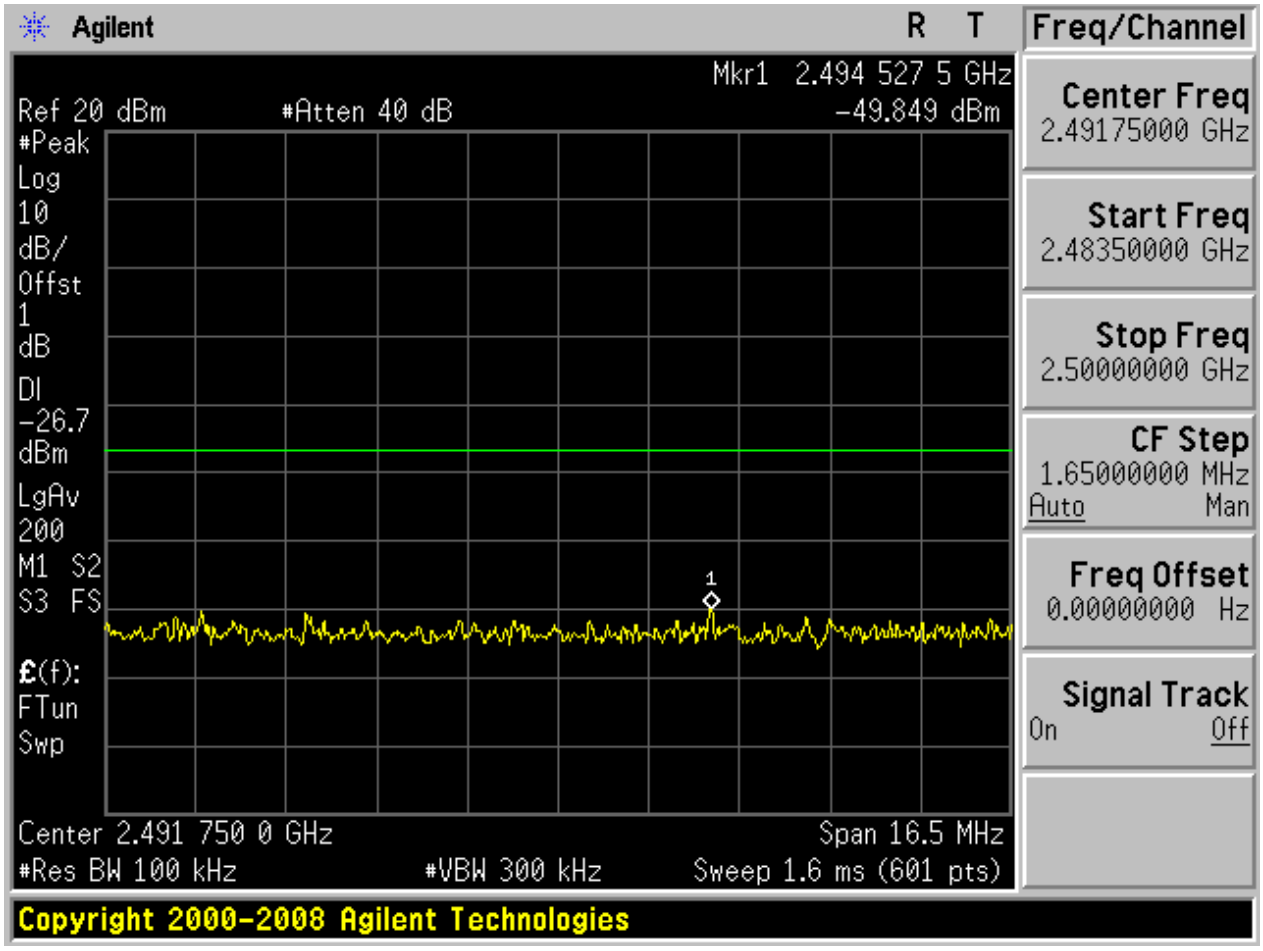

Agilent
R T
Freq/Channel
Mkr1 2.314 5 GHz
Ref 20 dBm
#Atten 40 dB
-50.668 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-26.7
dBm
LgAv
200
M1 S2
S3 FS
1
£(f):
FTun
Swp
Center 2.350 0 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.6 ms (1001 pts)
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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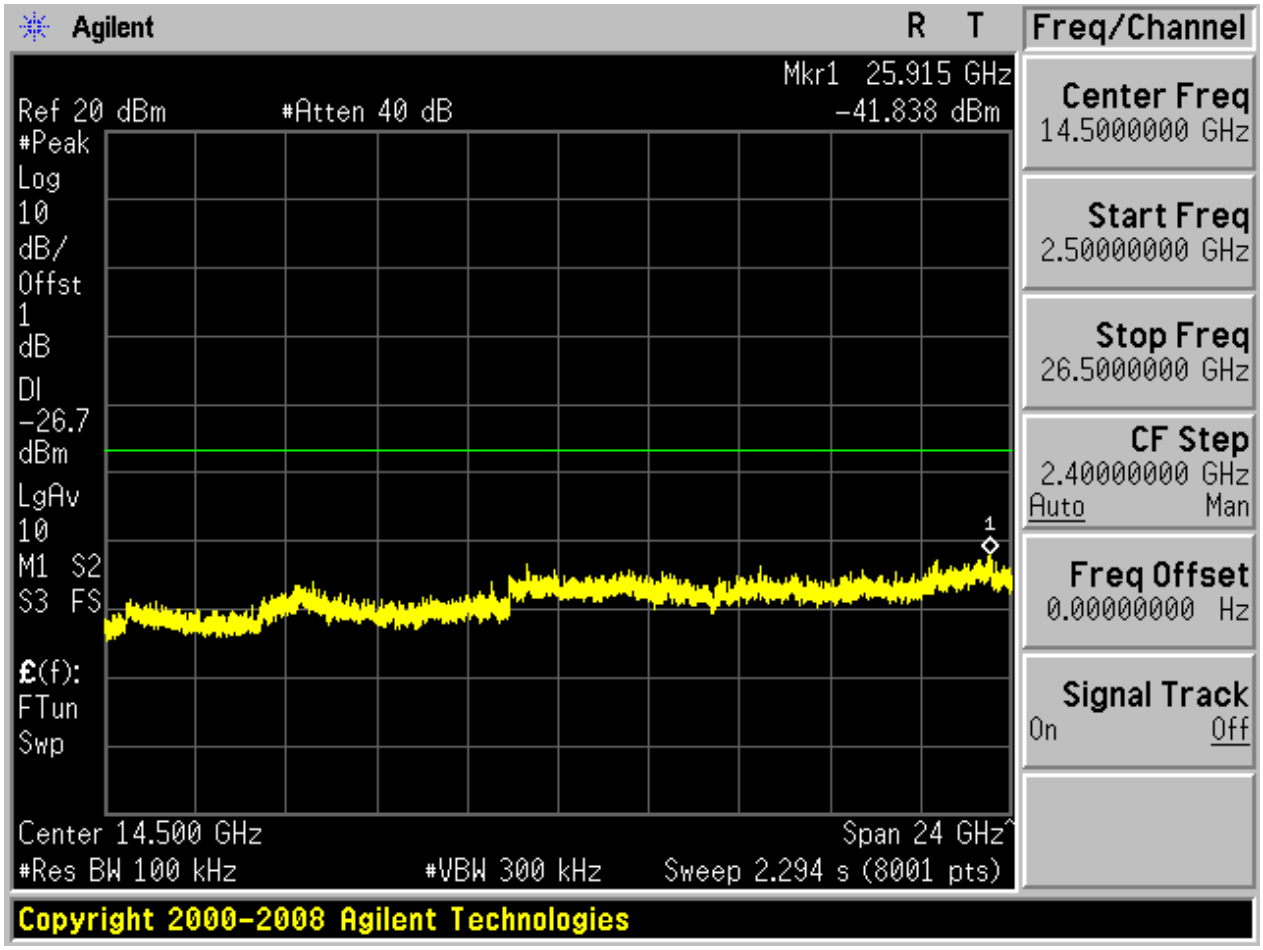

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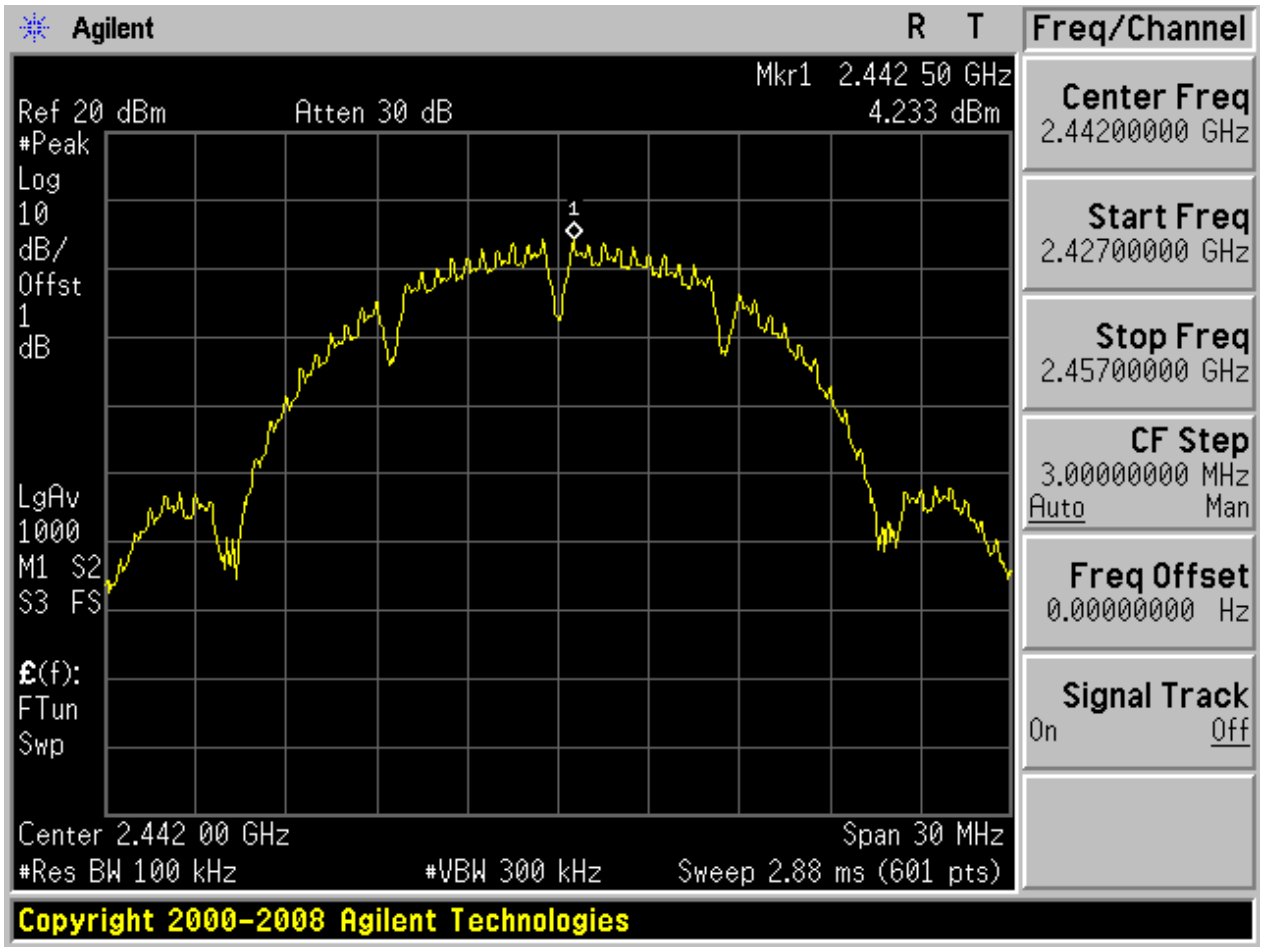
2.6 11B_H@Ant 2

Pref:



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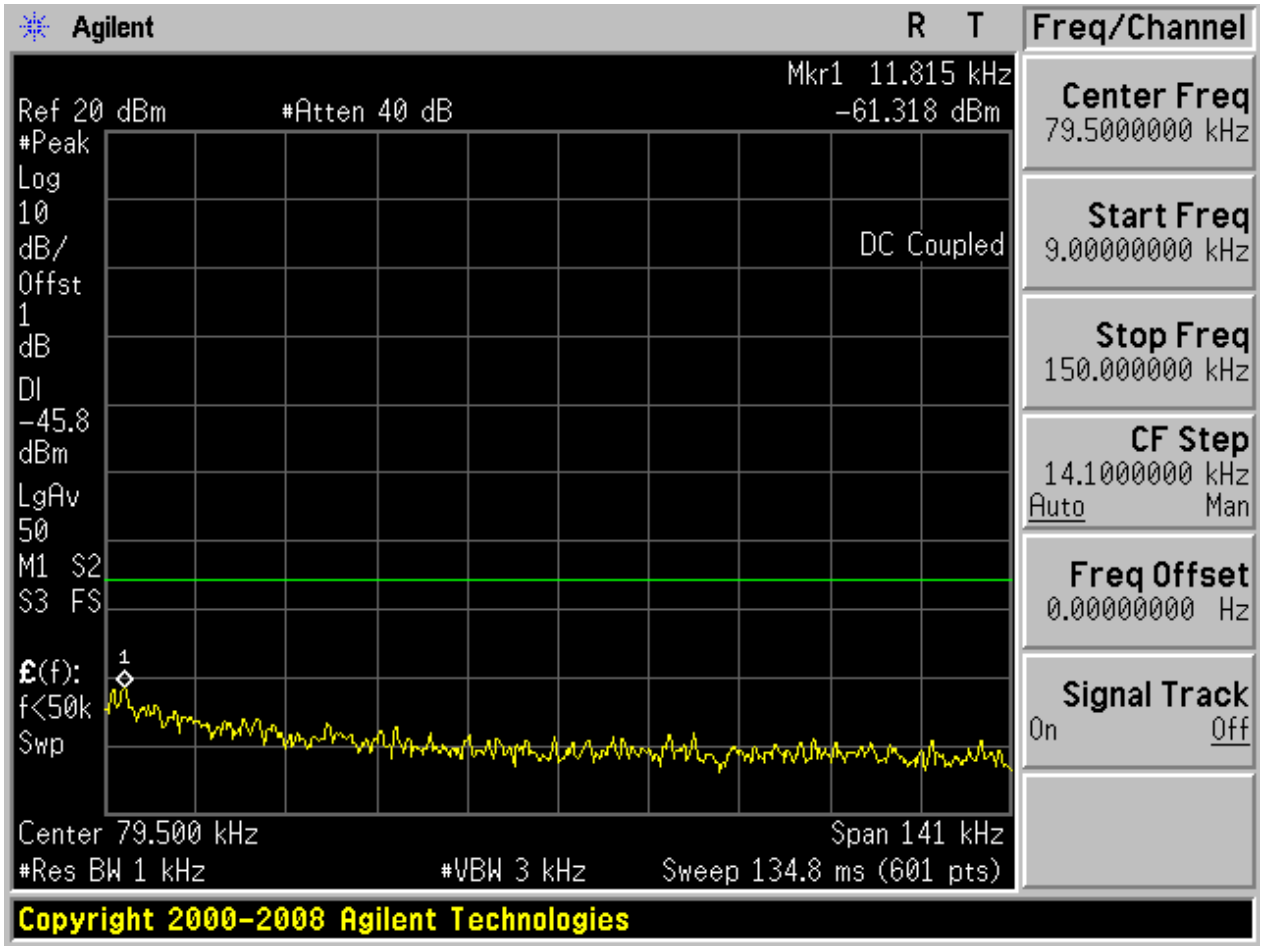
Puw:



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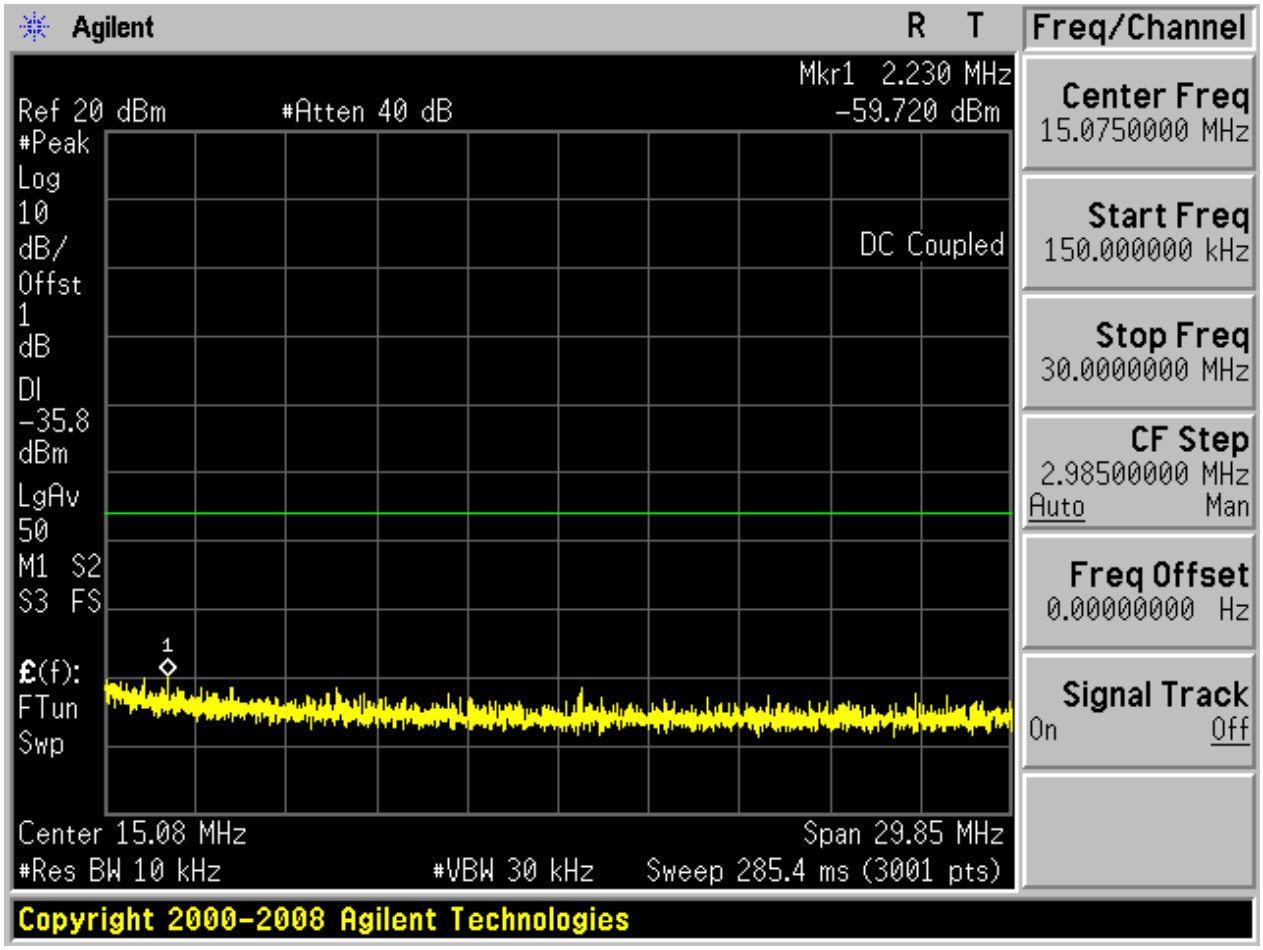
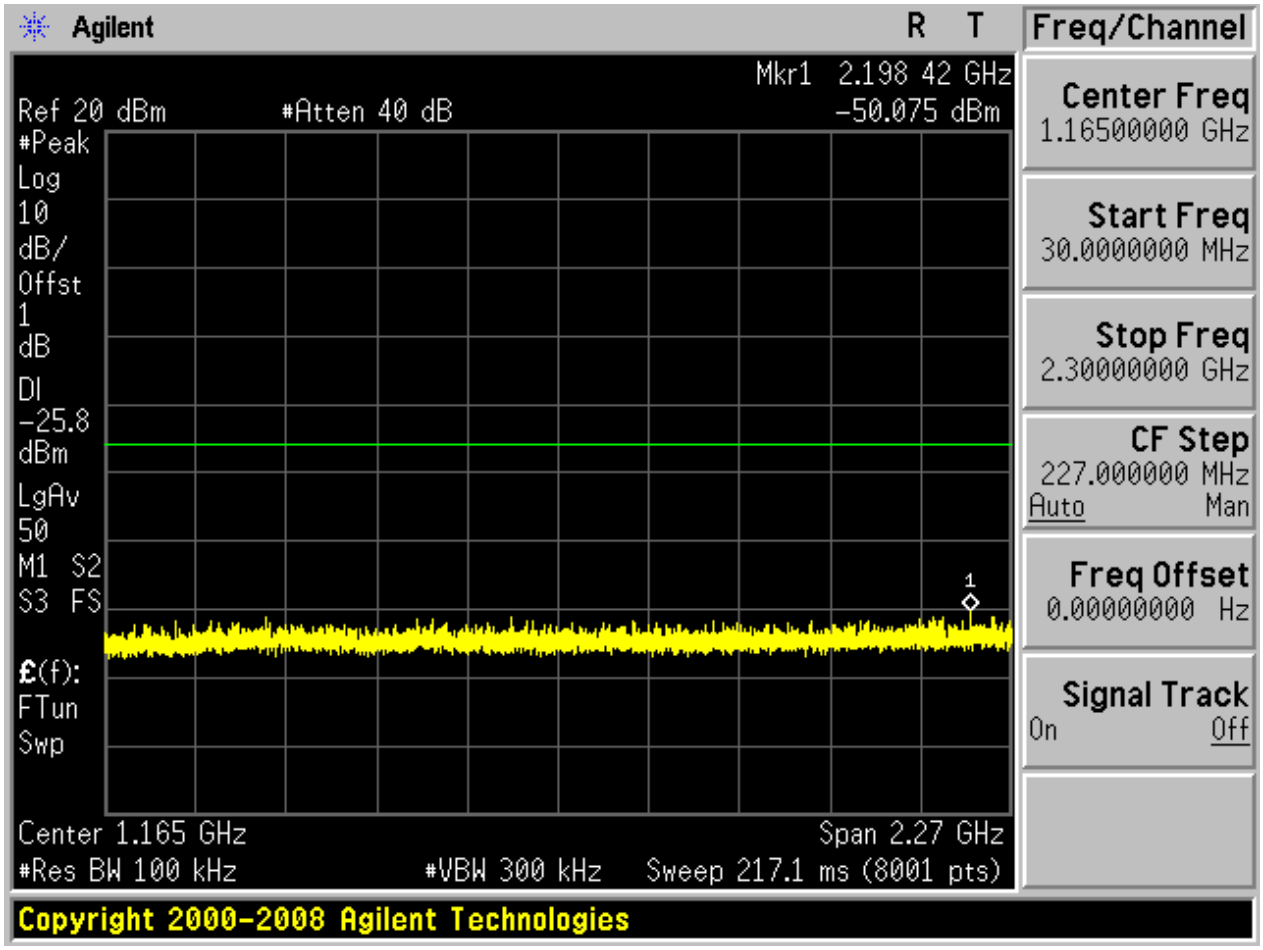

Agilent
R T
Freq/Channel
Mkr1 2.230 MHz
Ref 20 dBm
#Atten 40 dB
-59.720 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-35.8
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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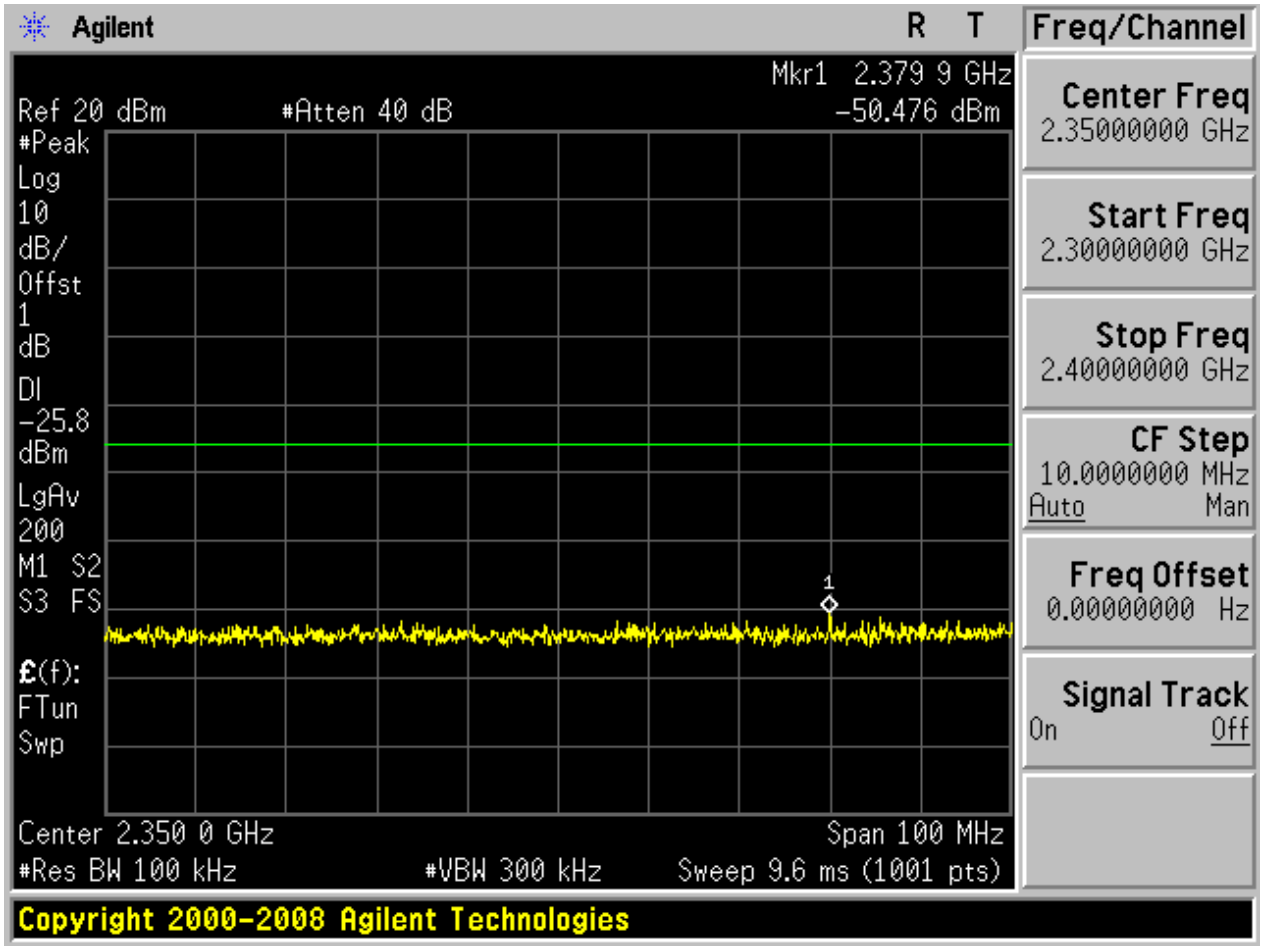

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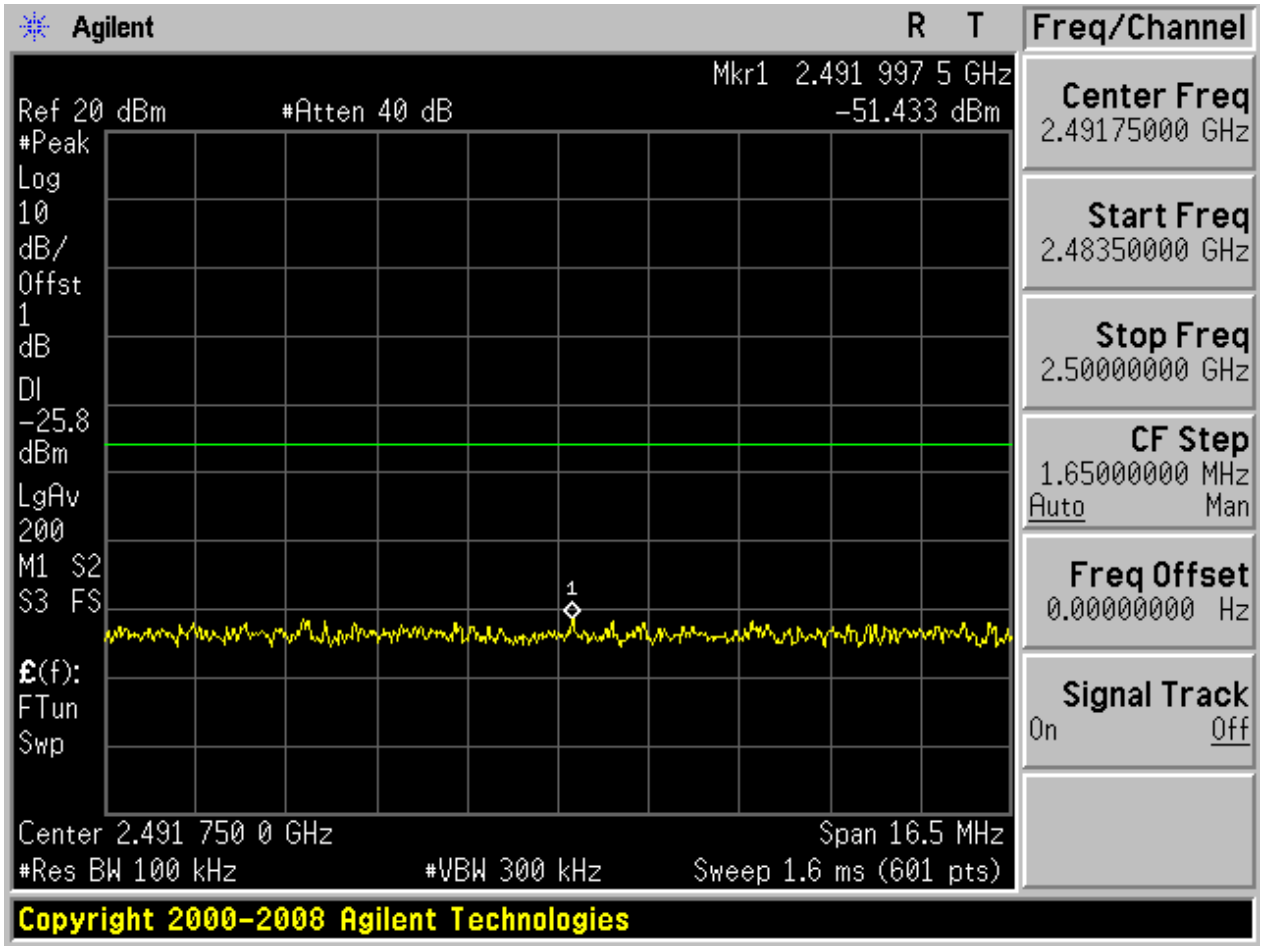

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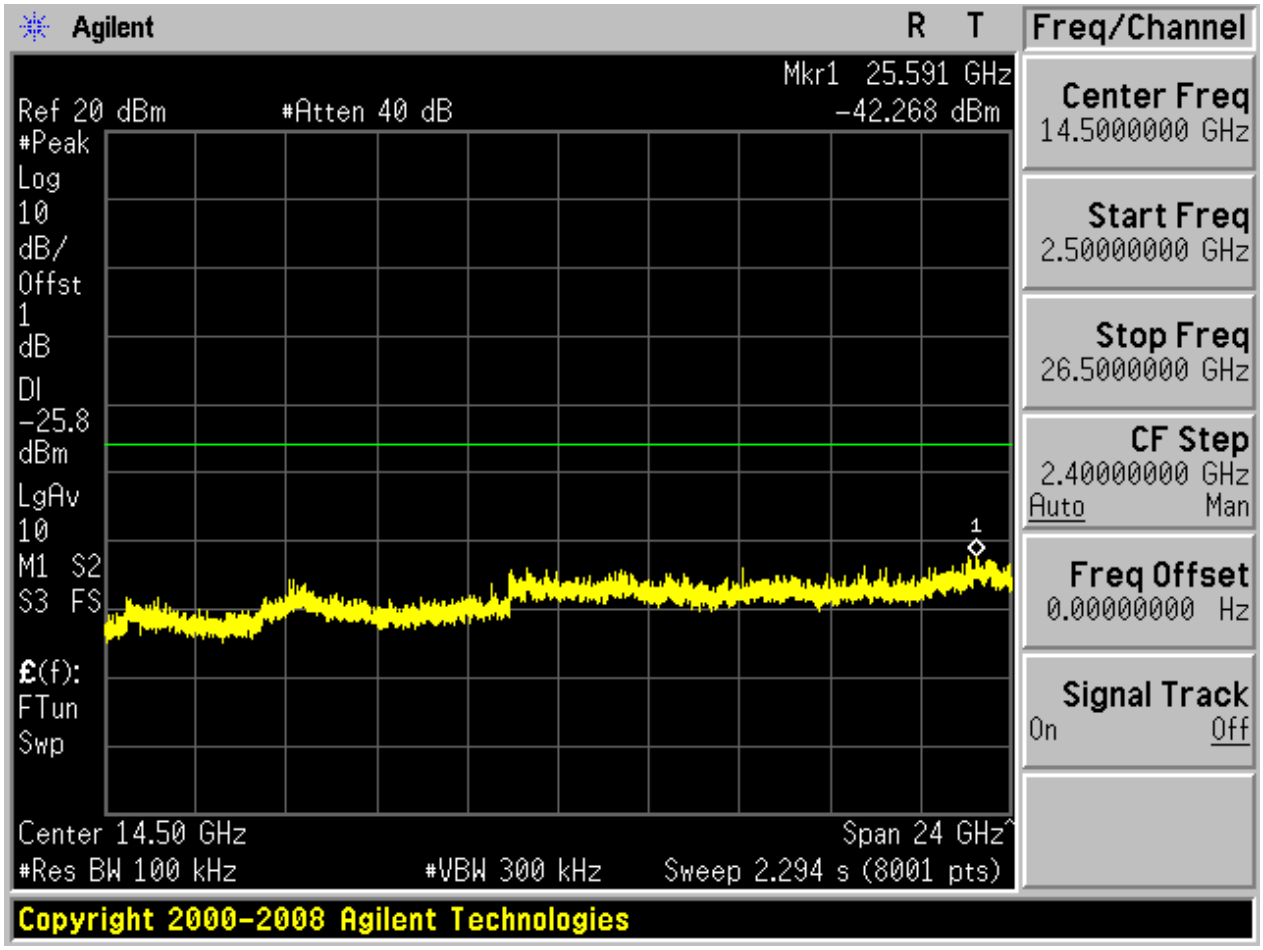
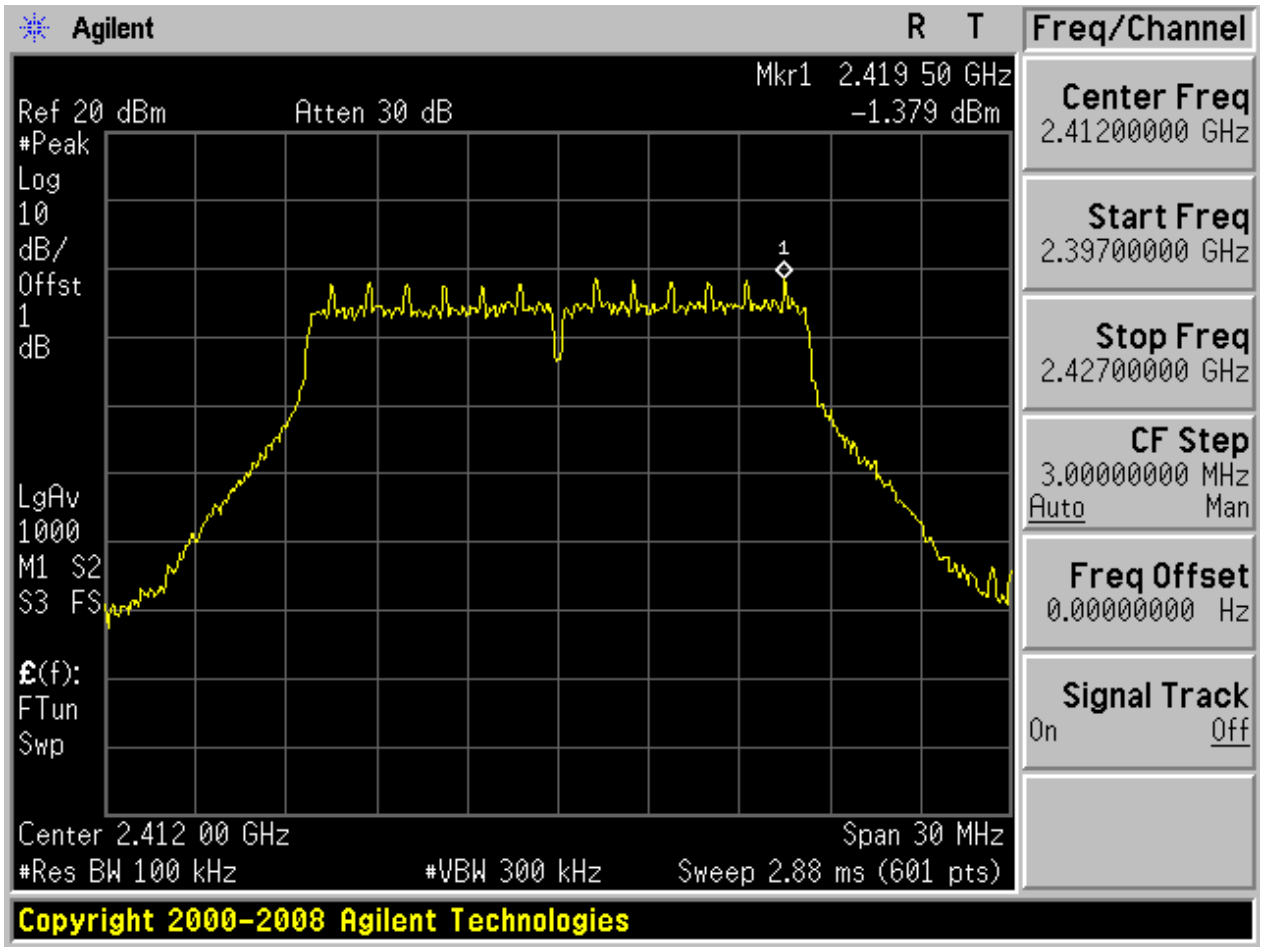

Agilent
R T
Freq/Channel
Mkr1 25.591 GHz
Ref 20 dBm
#Atten 40 dB
-42.268 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-25.8
dBm
LgAv
10
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 14.50 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8001 pts)
Copyright 2000-2008 Agilent Technologies

2.7 11G_L@Ant 1

Pref:



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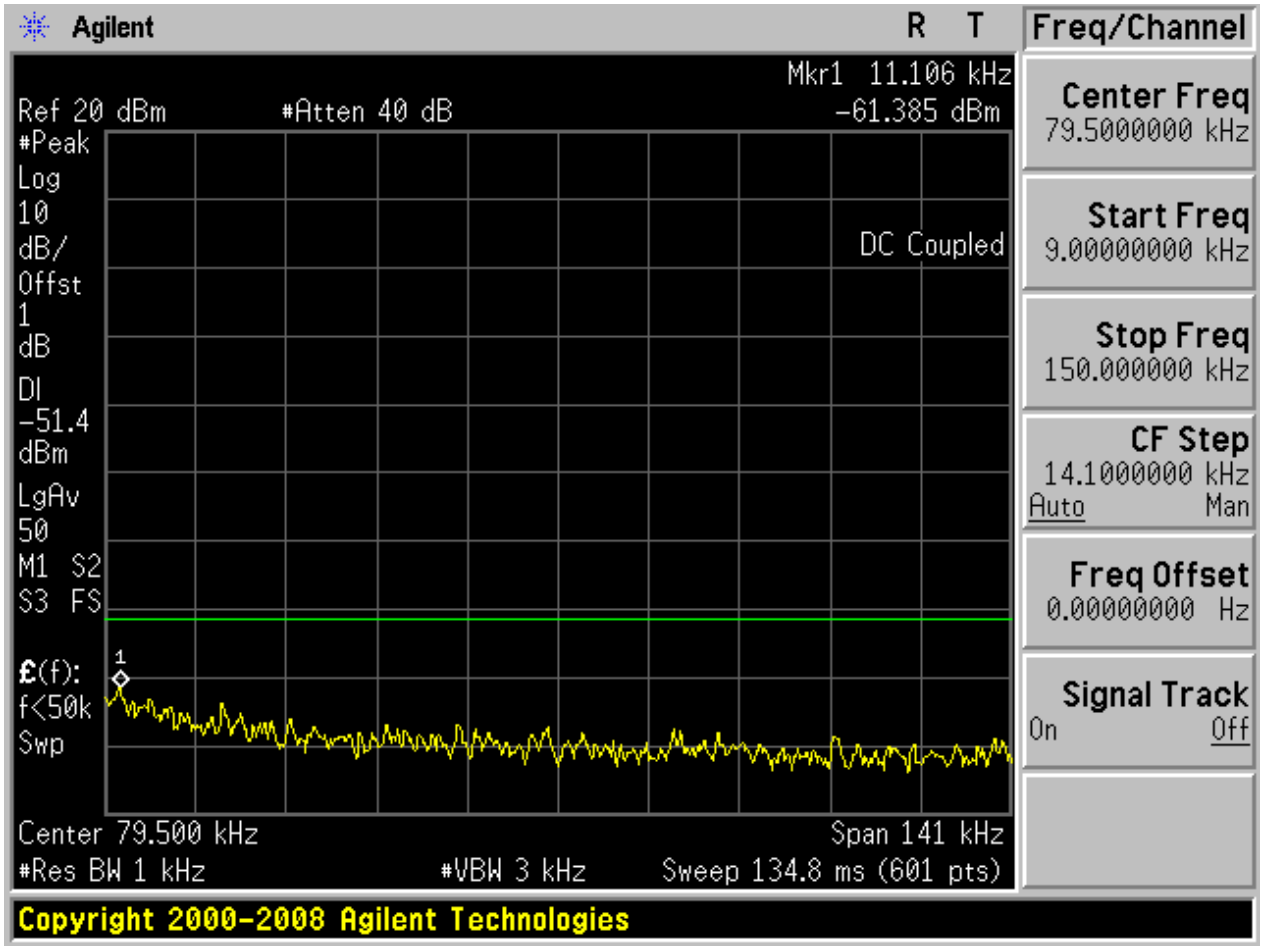
Puw:



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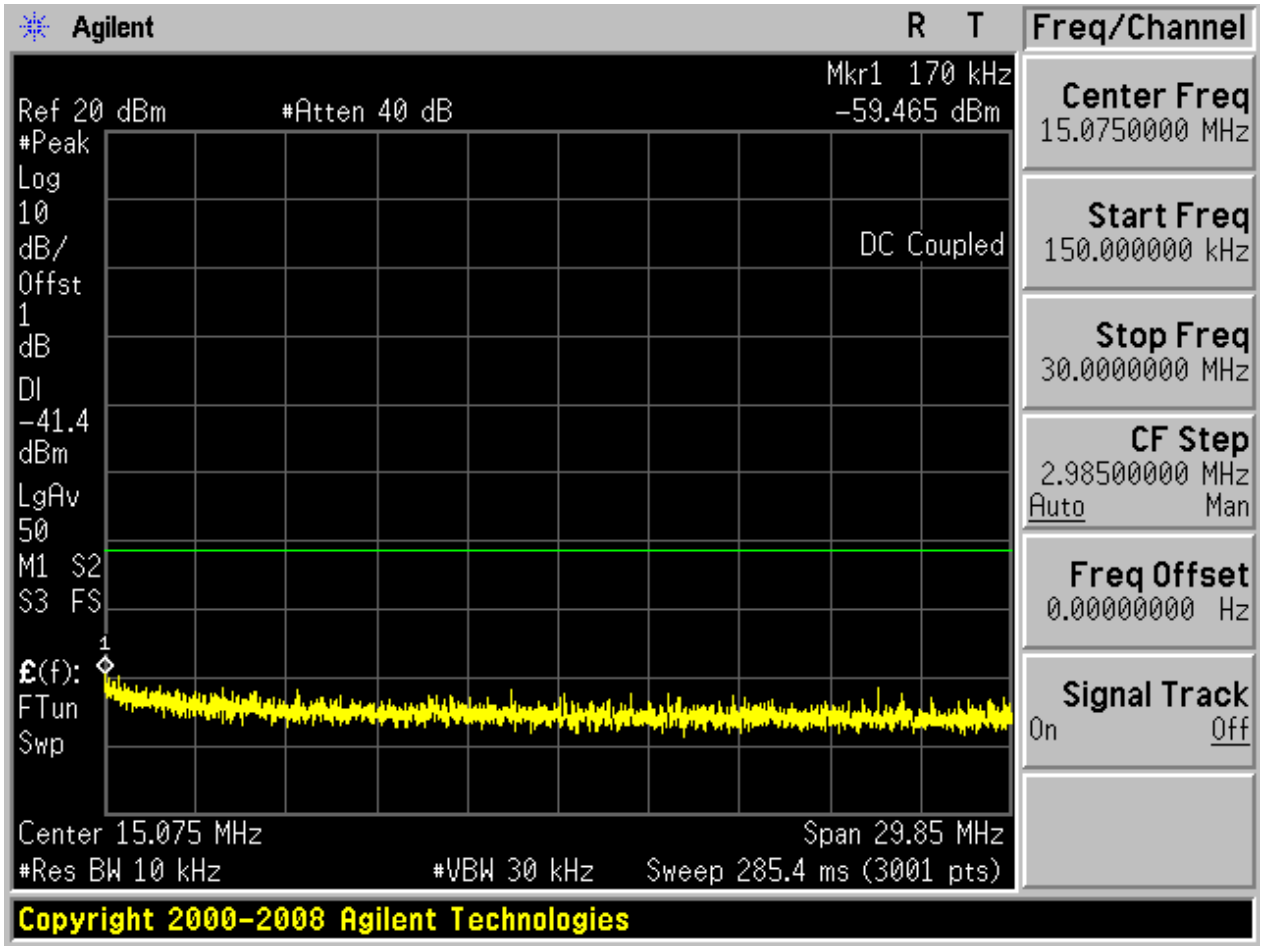
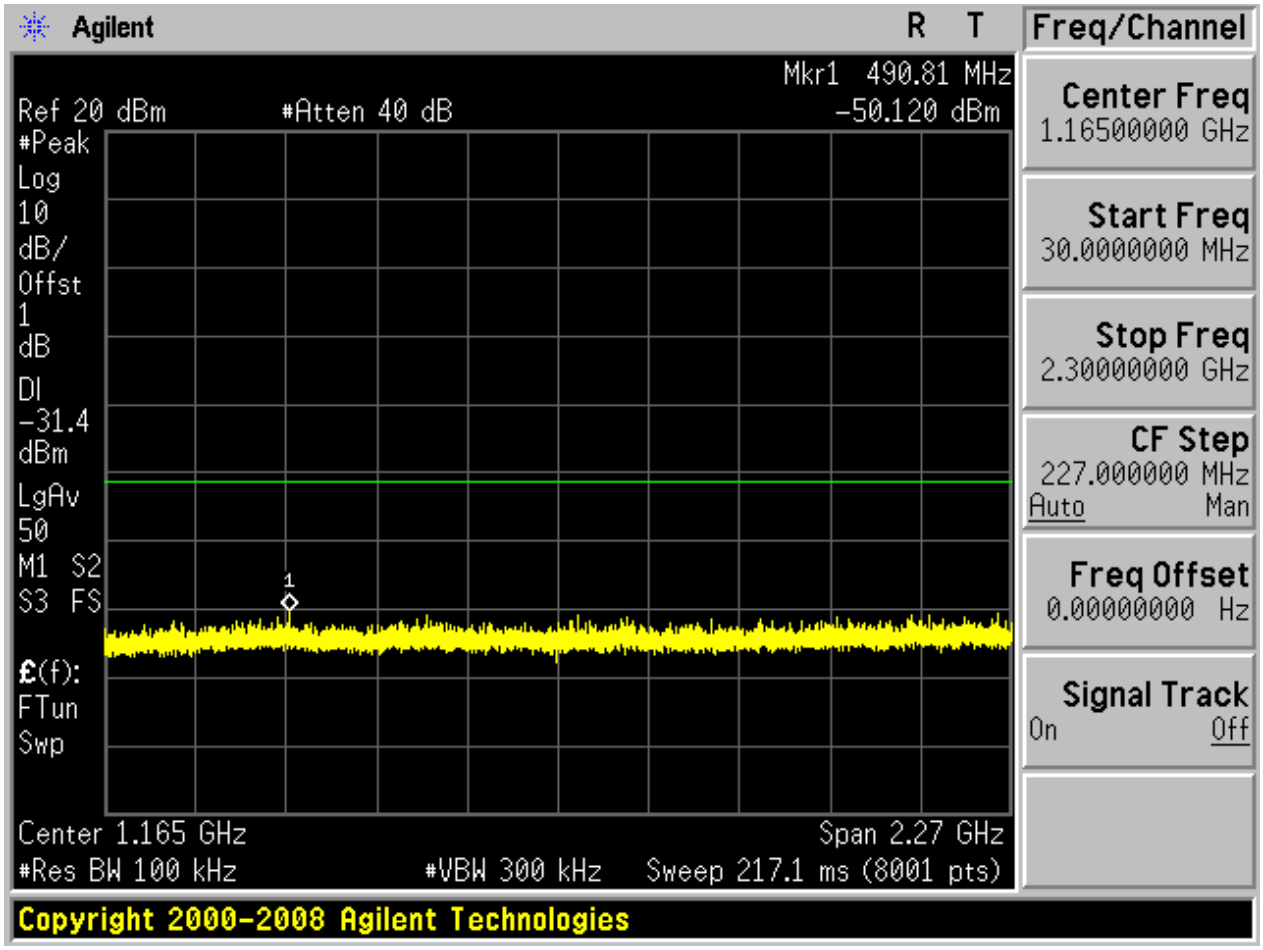

Agilent
R T
Freq/Channel
Mkr1 170 kHz
Ref 20 dBm
#Atten 40 dB
-59.465 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-41.4
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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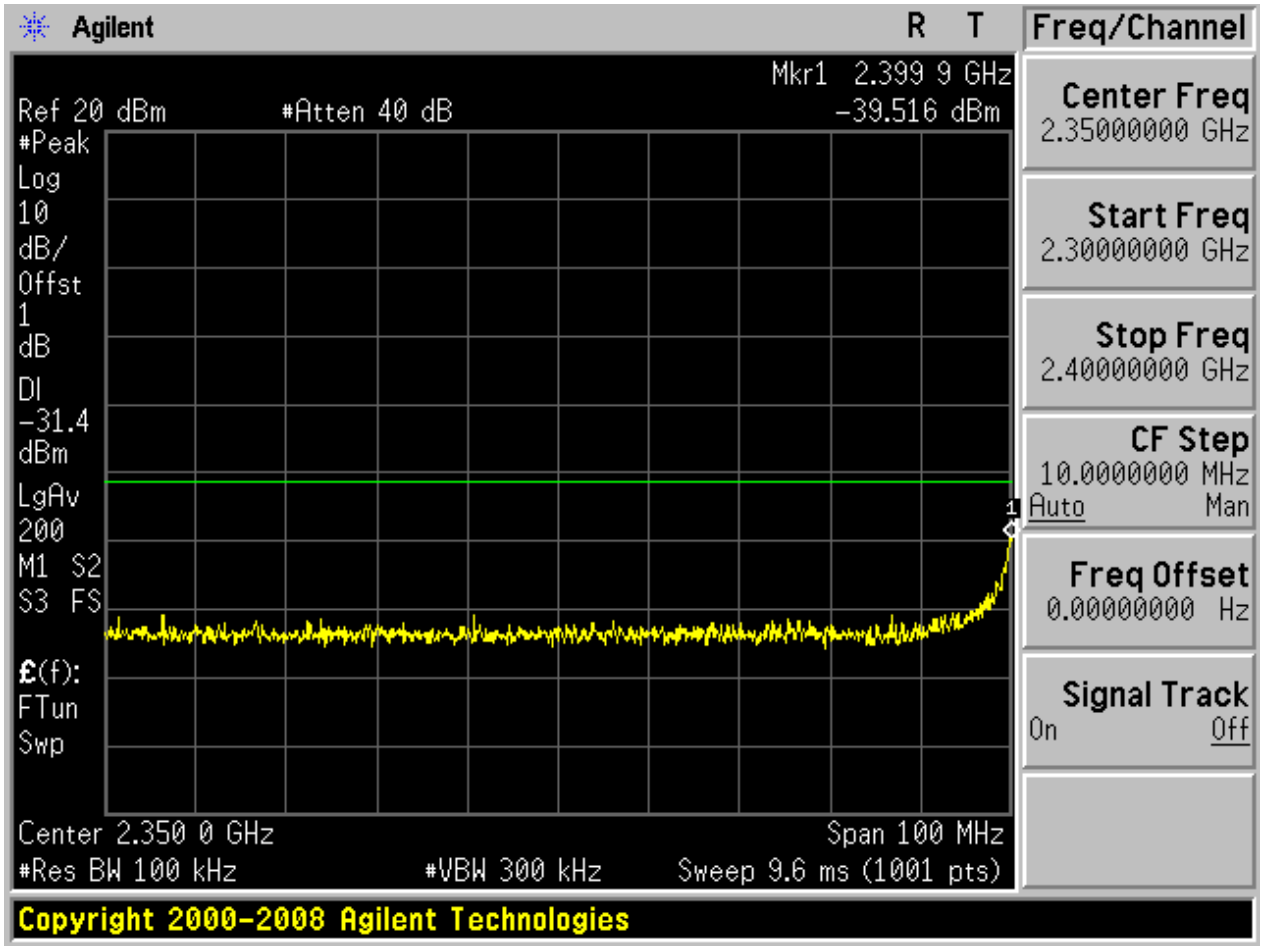

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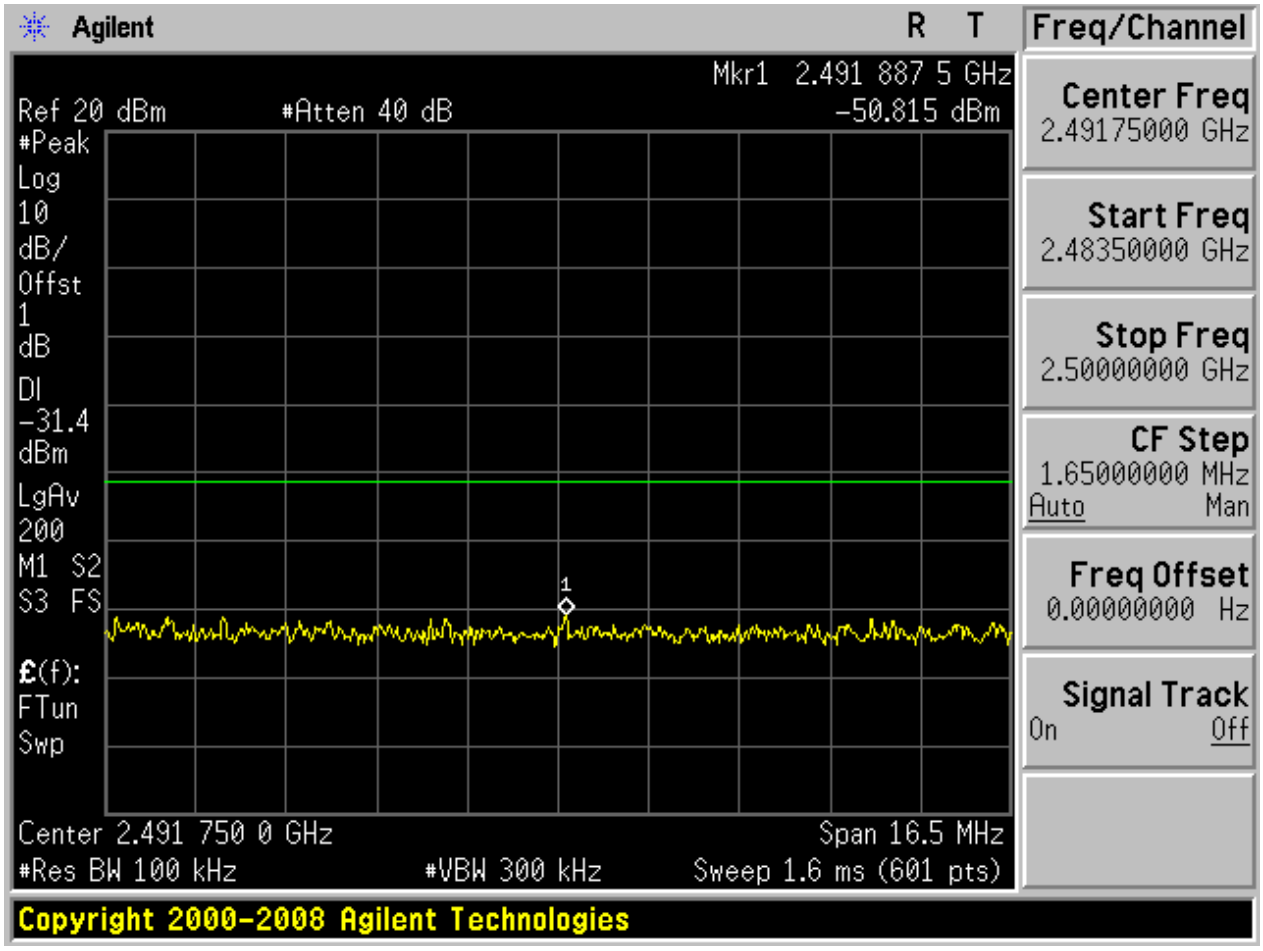
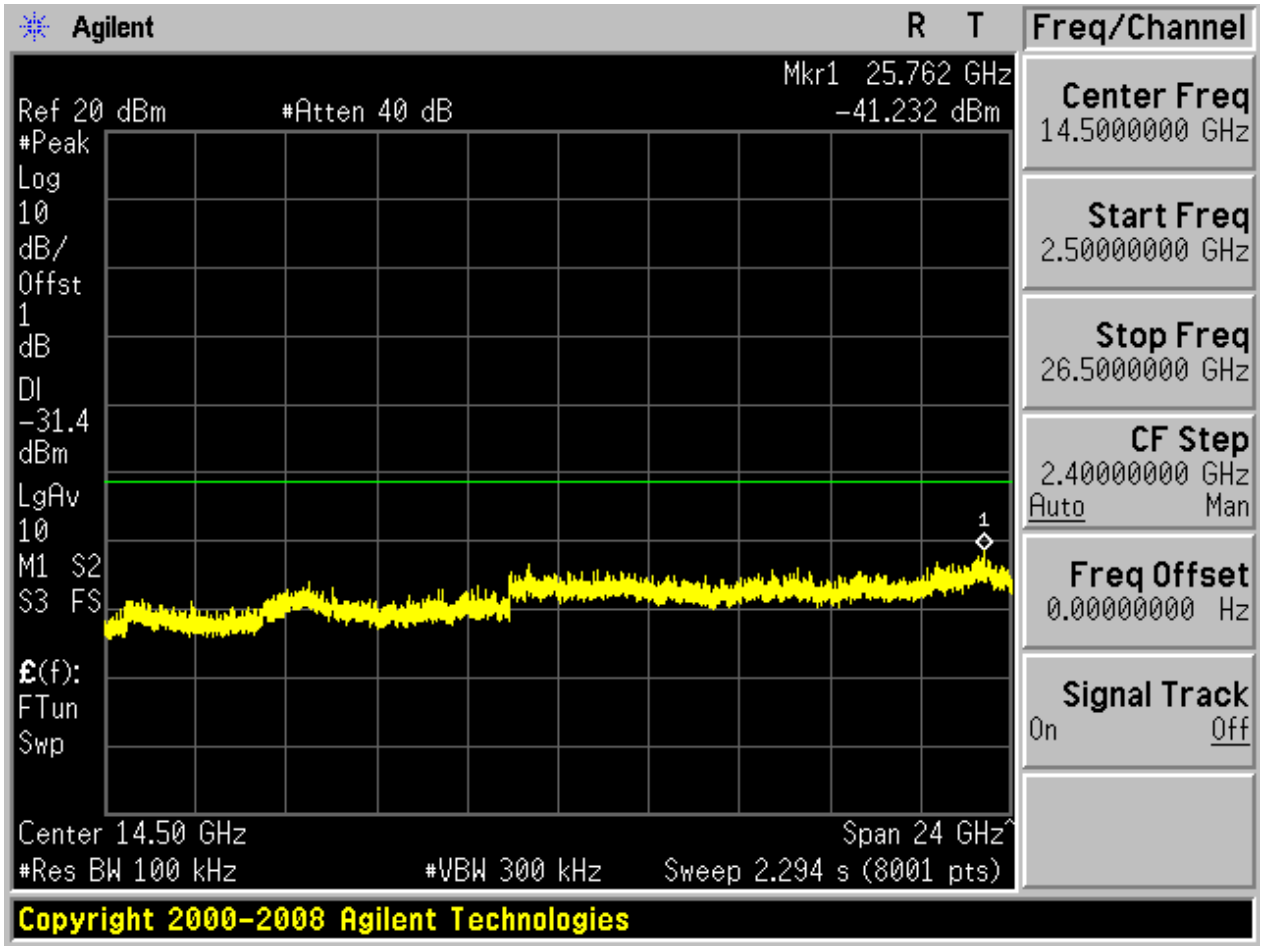

Agilent
R T
Freq/Channel
Mkr1 2.491 887 5 GHz
Ref 20 dBm
#Atten 40 dB
-50.815 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-31.4
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Copyright 2000-2008 Agilent Technologies



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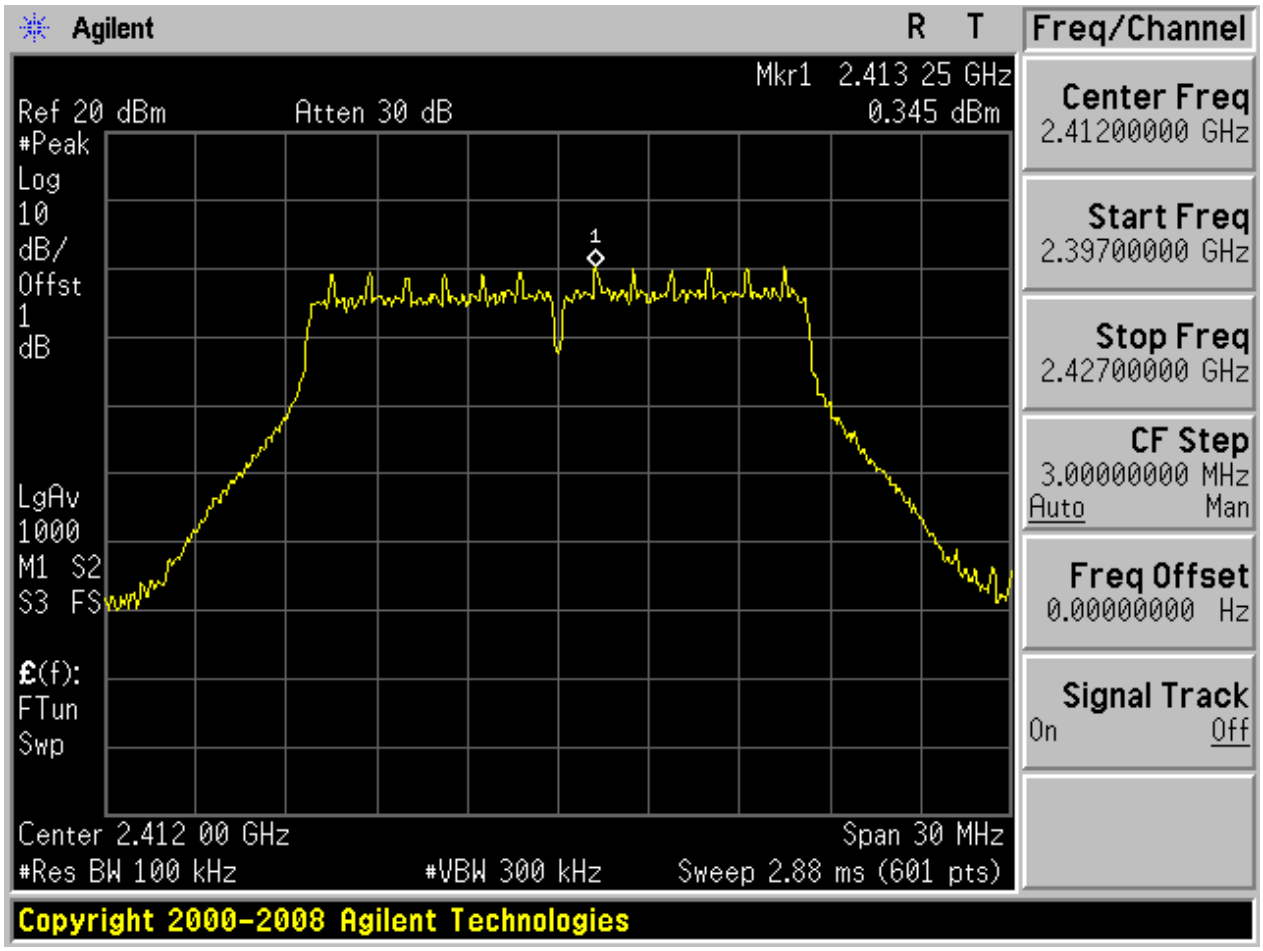
2.8 11G_L@Ant 2

Pref:



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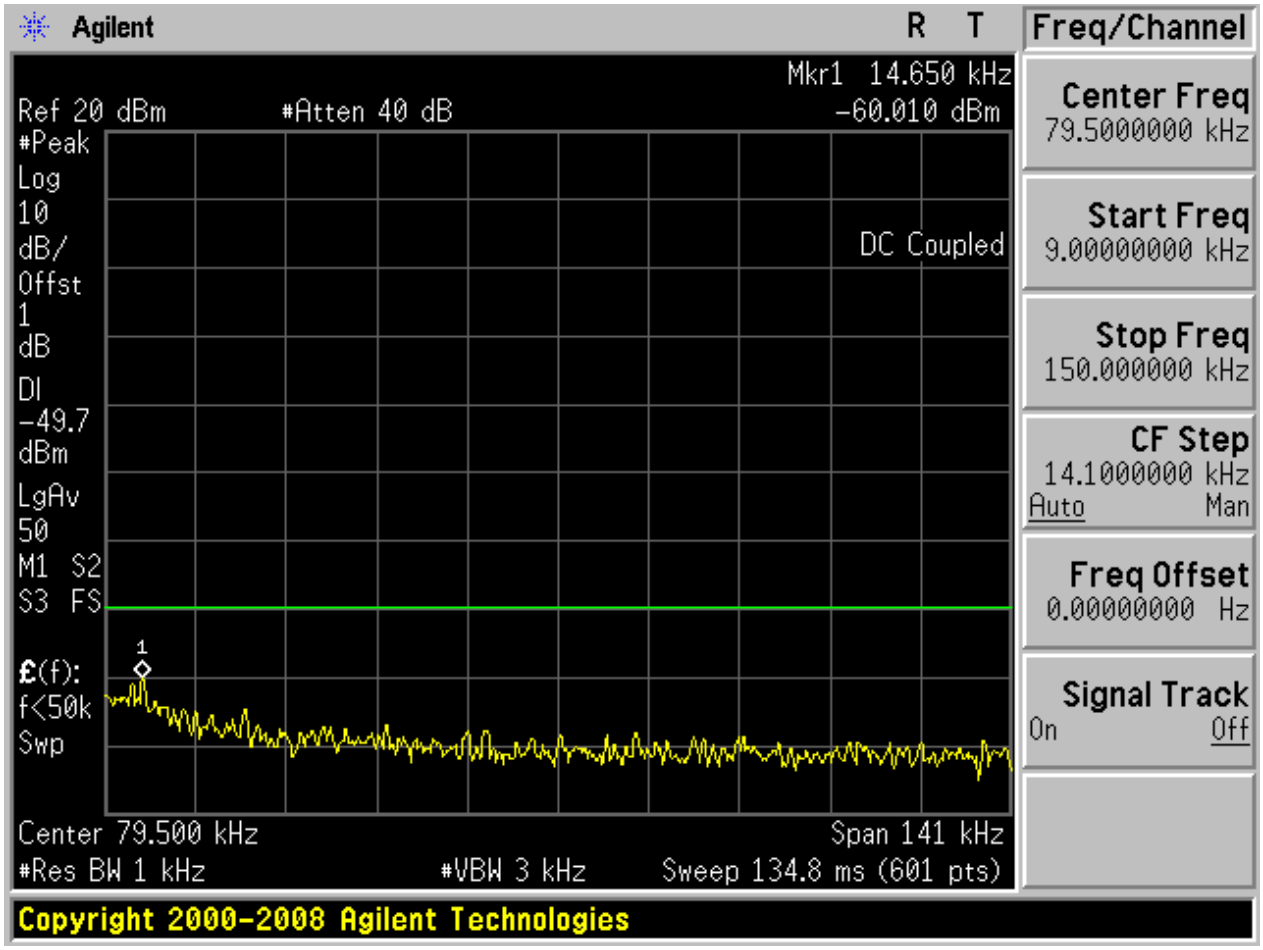
Puw:



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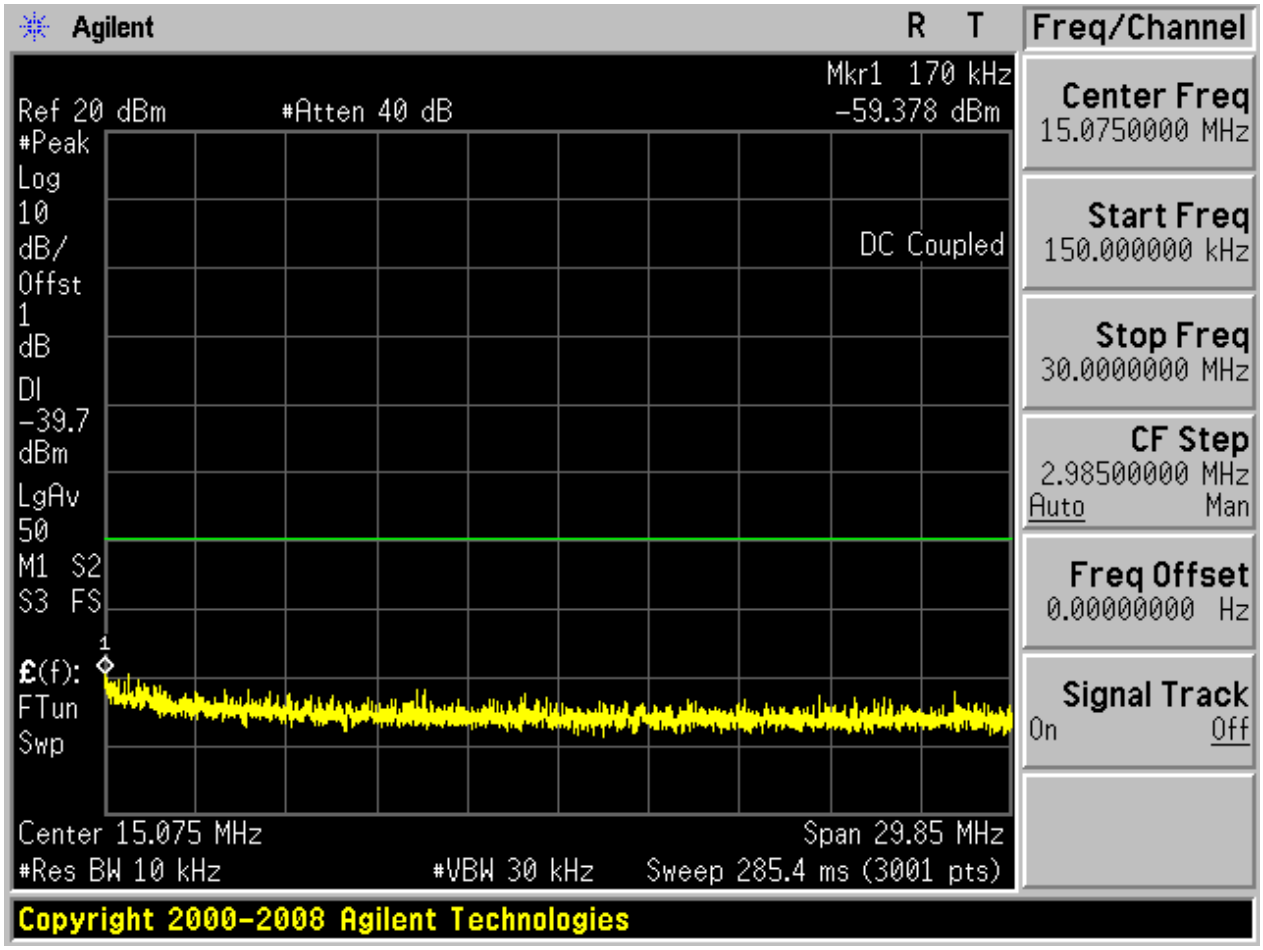
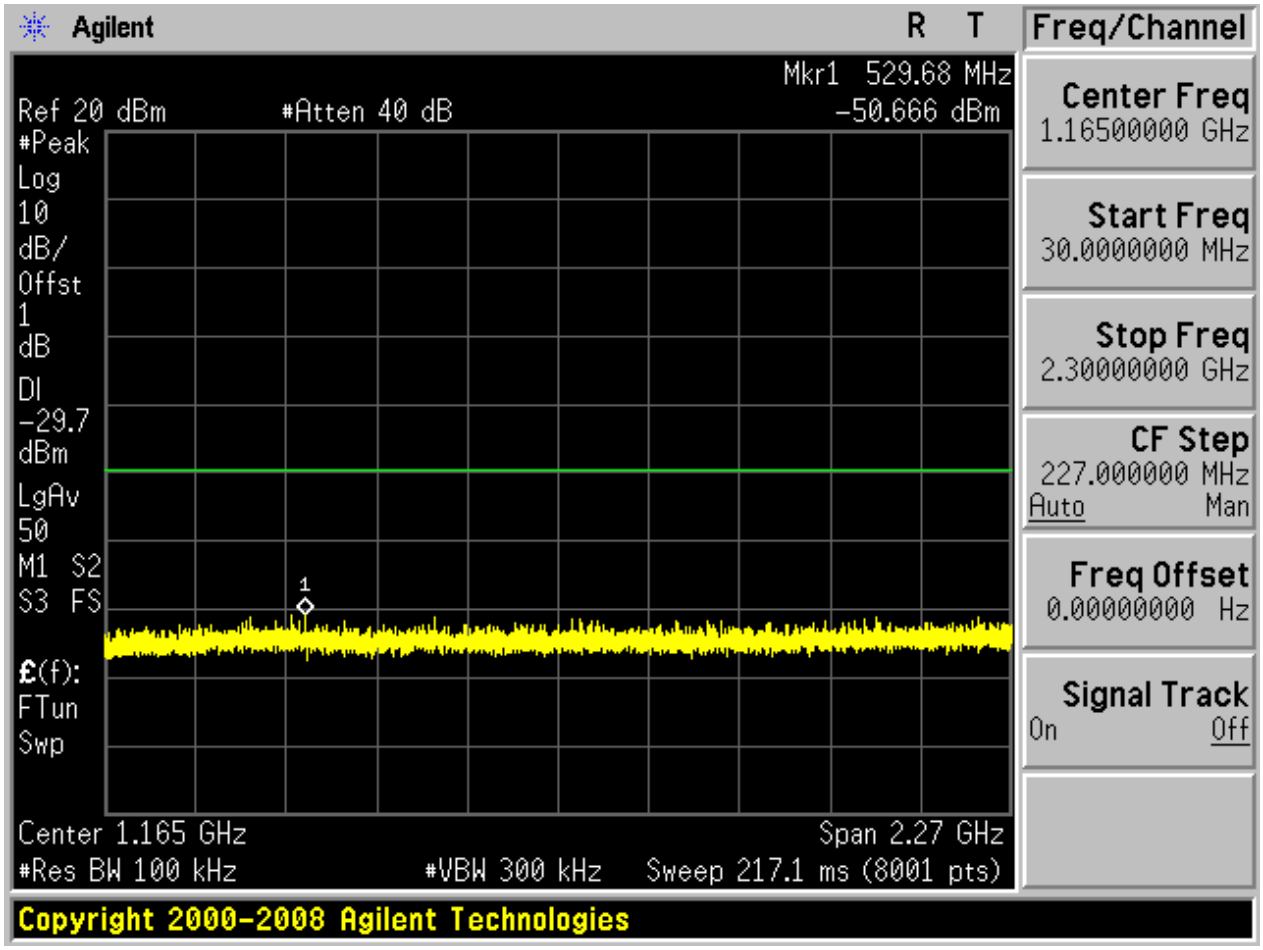
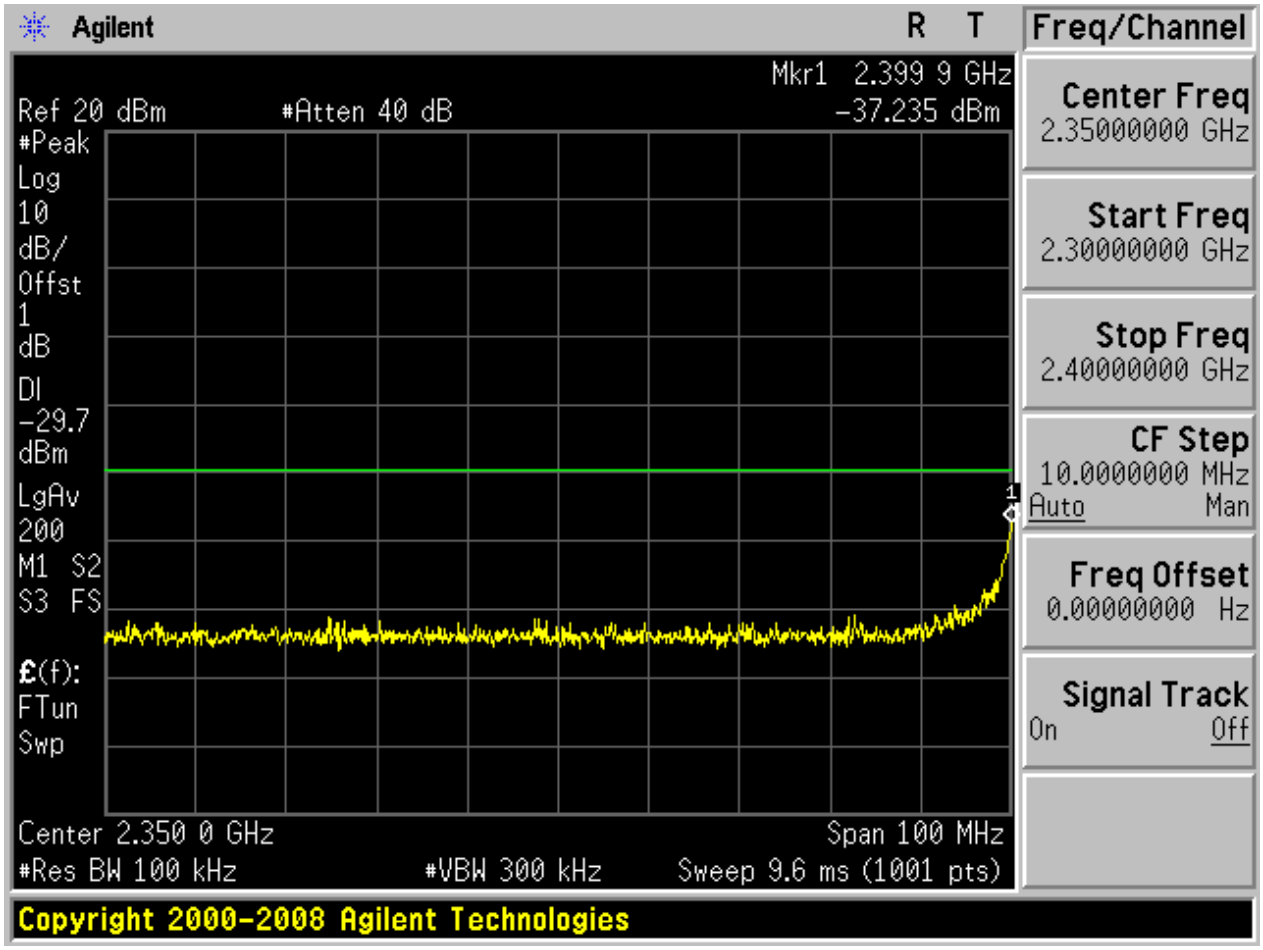

Agilent
R T
Freq/Channel
Mkr1 170 kHz
Ref 20 dBm
#Atten 40 dB
-59.378 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-39.7
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 529.68 MHz
Ref 20 dBm
#Atten 40 dB
-50.666 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-29.7
dBm
LgAv
50
M1 S2
S3 FS
1
£(f):
FTun
Swp
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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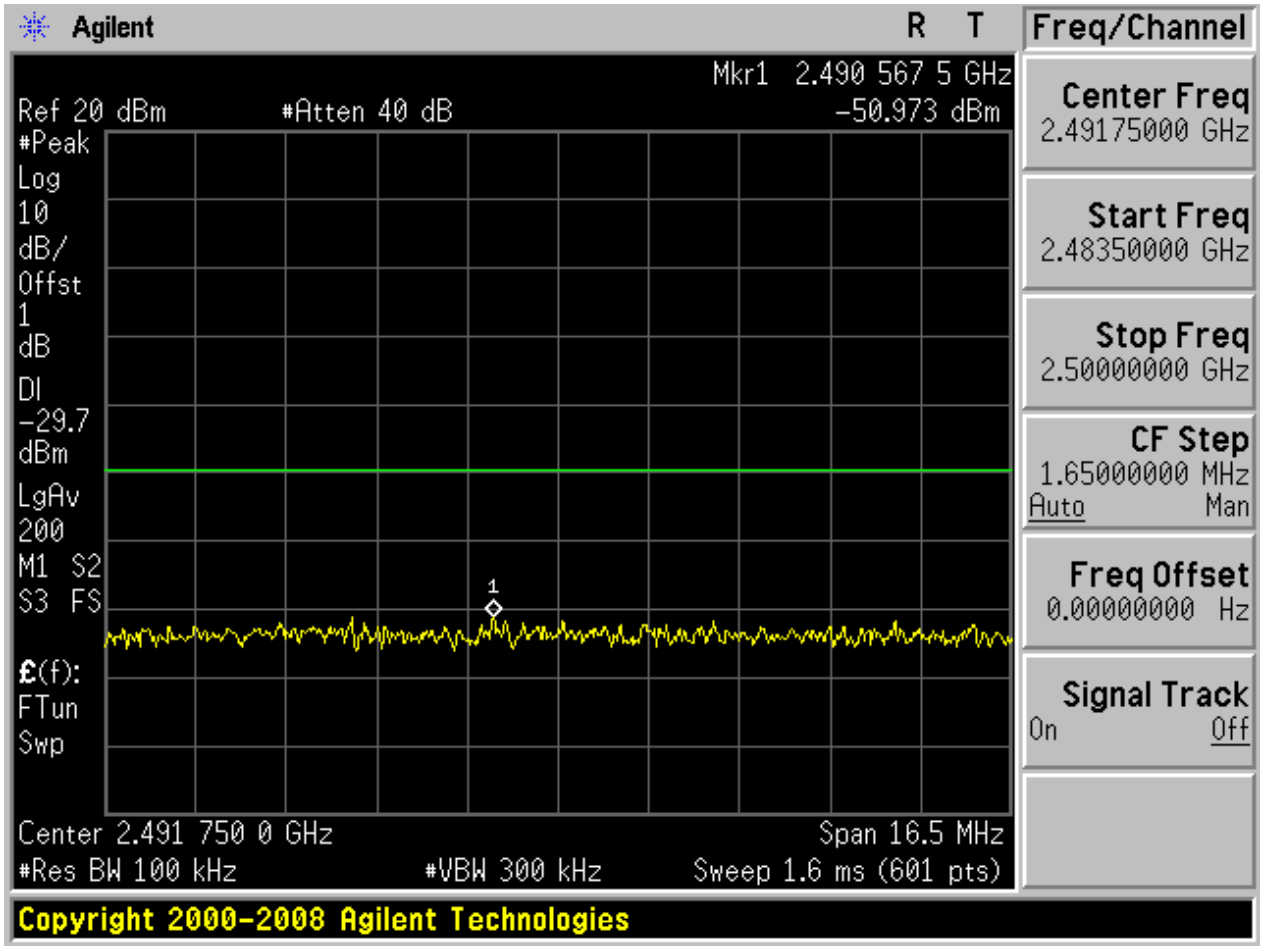

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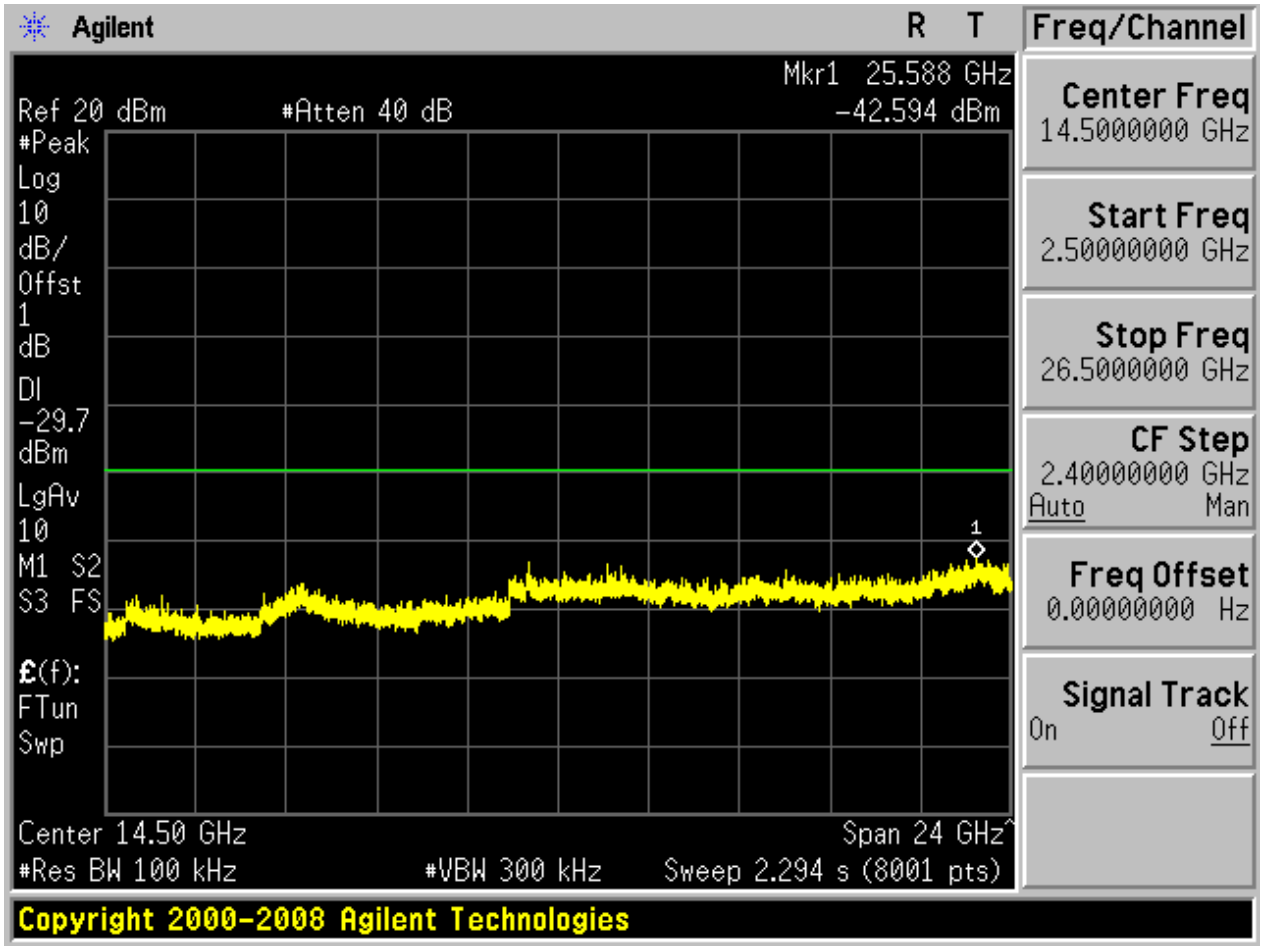

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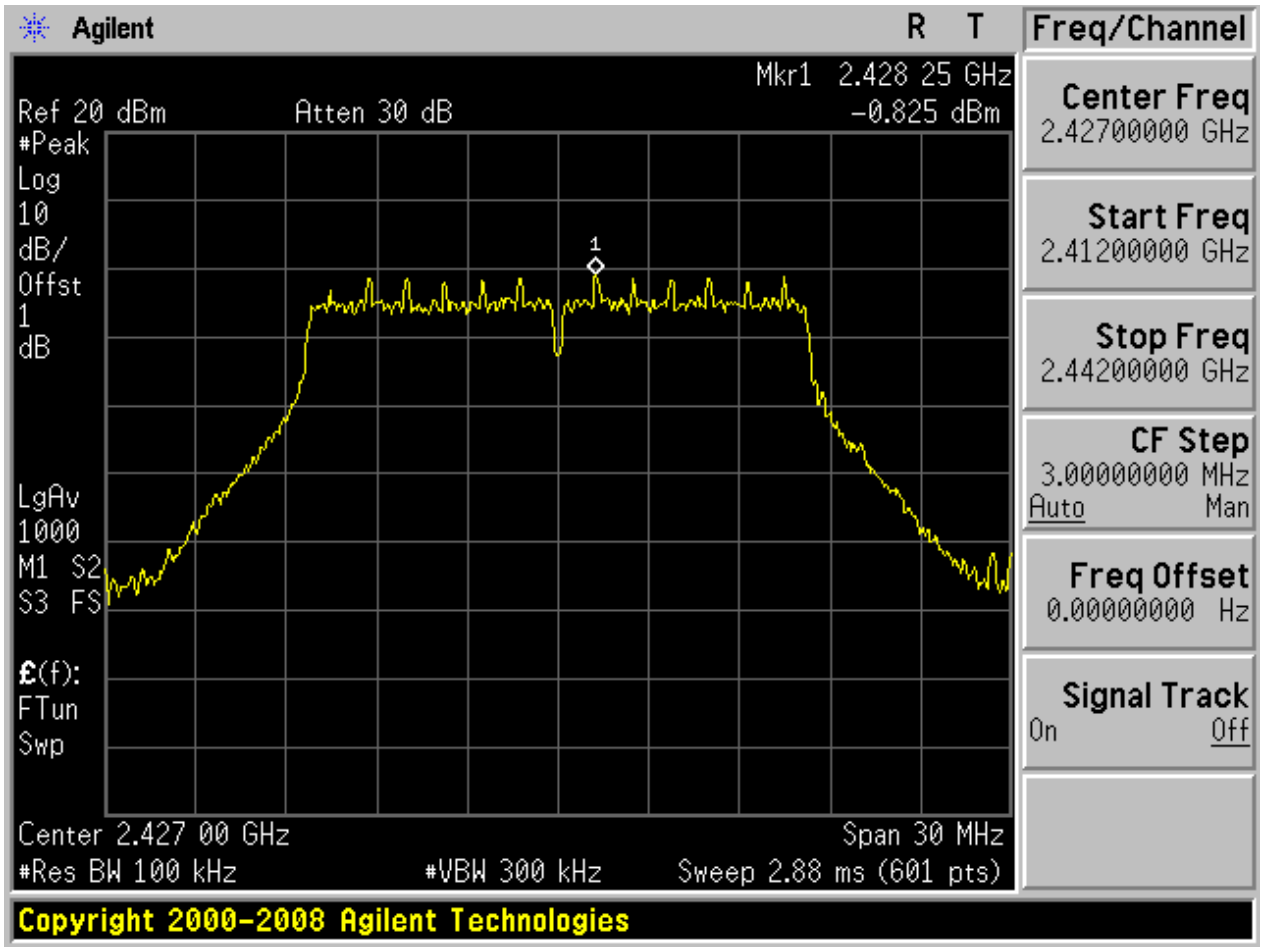
2.9 11G_M@Ant 1

Pref:



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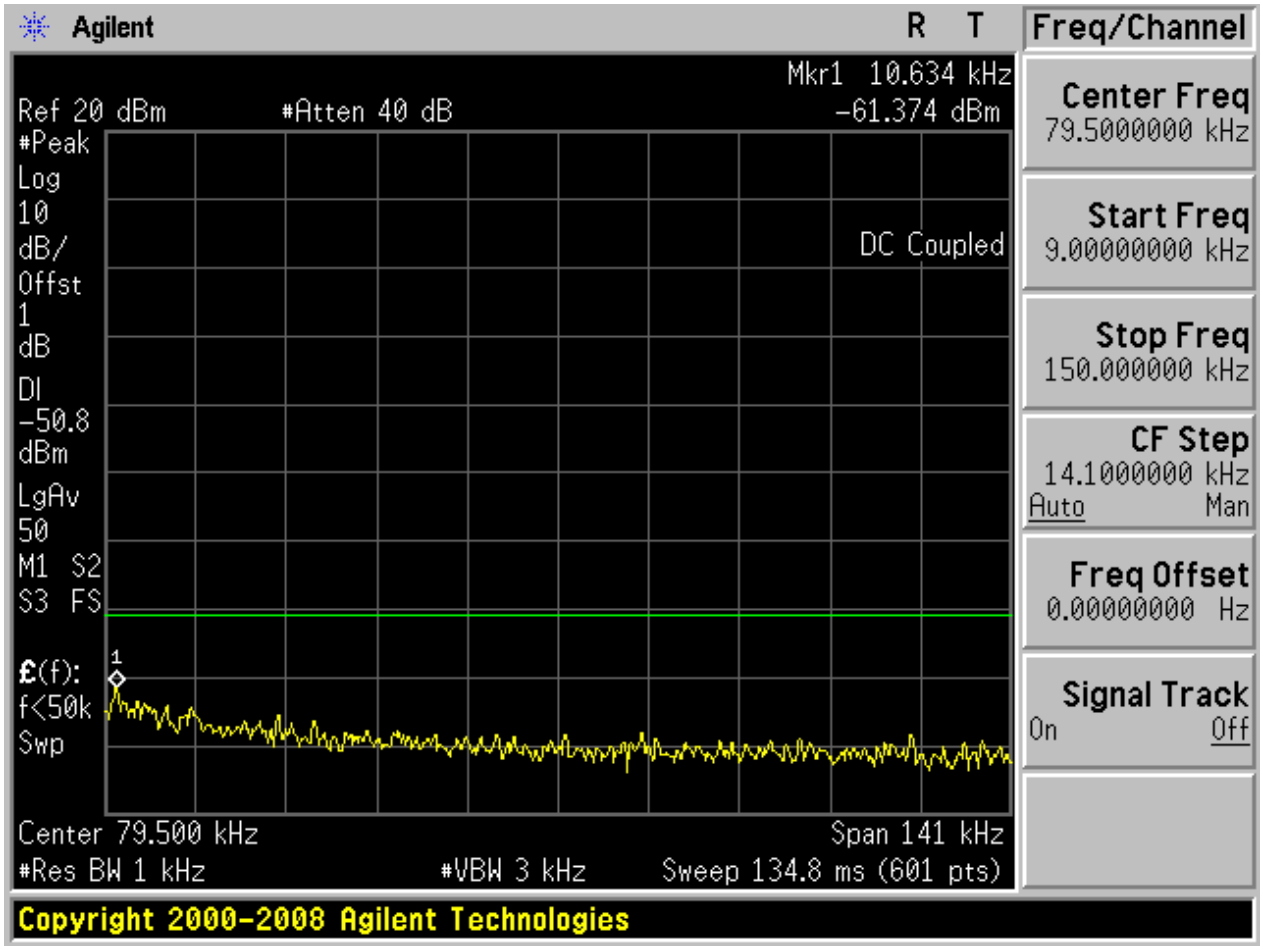

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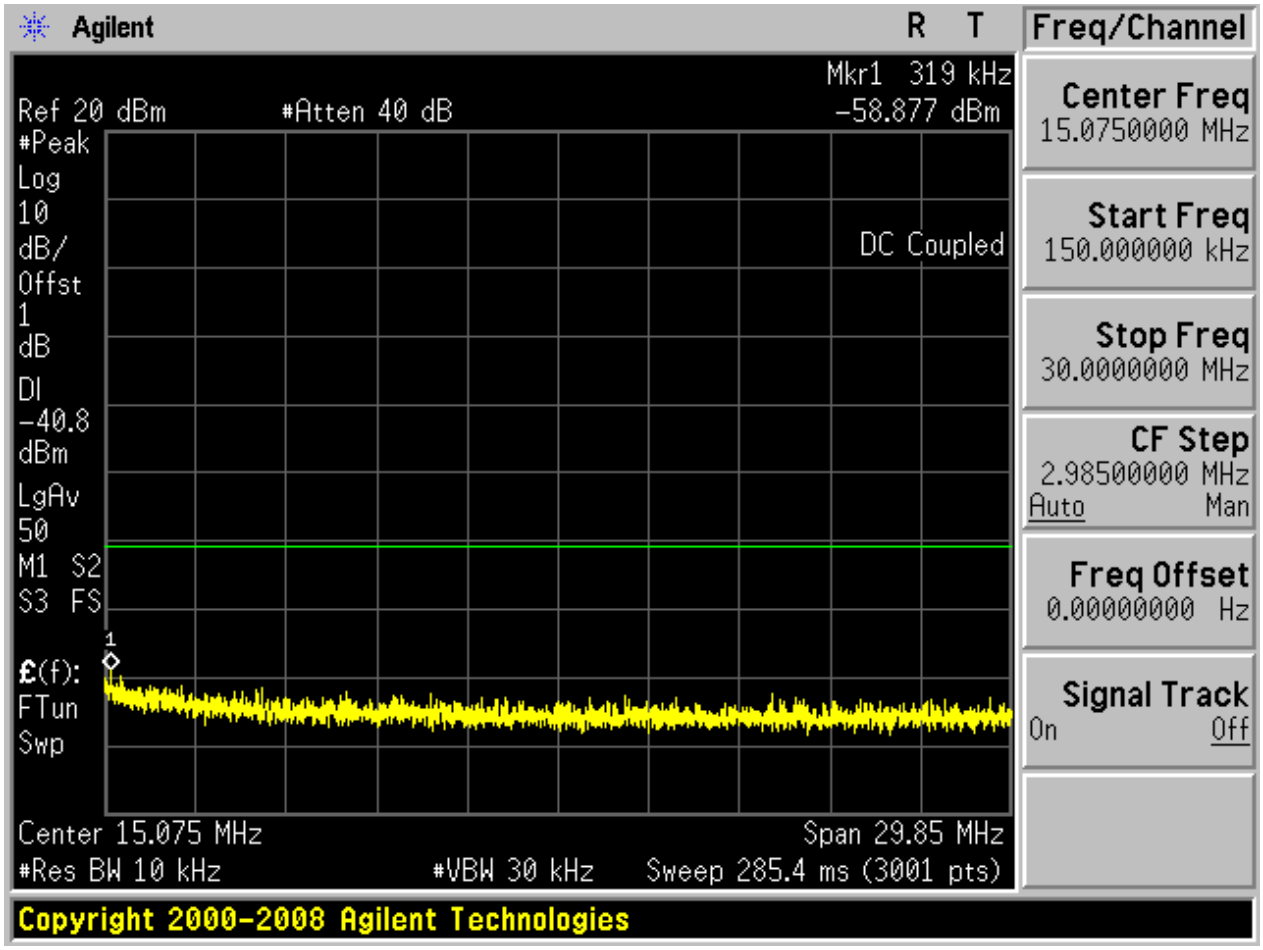
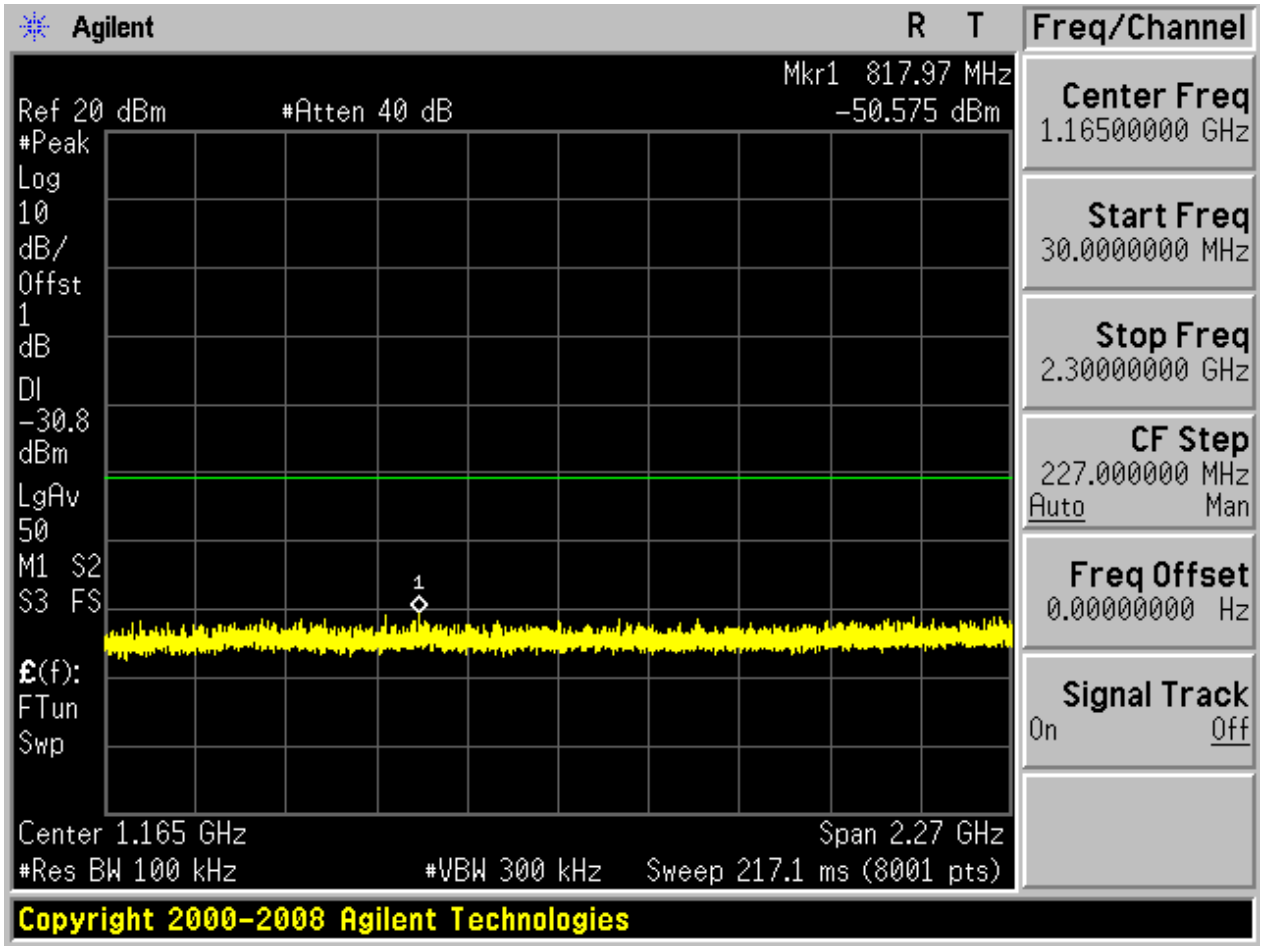

Agilent
R T
Freq/Channel
Mkr1 319 kHz
Ref 20 dBm
#Atten 40 dB
-58.877 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-40.8
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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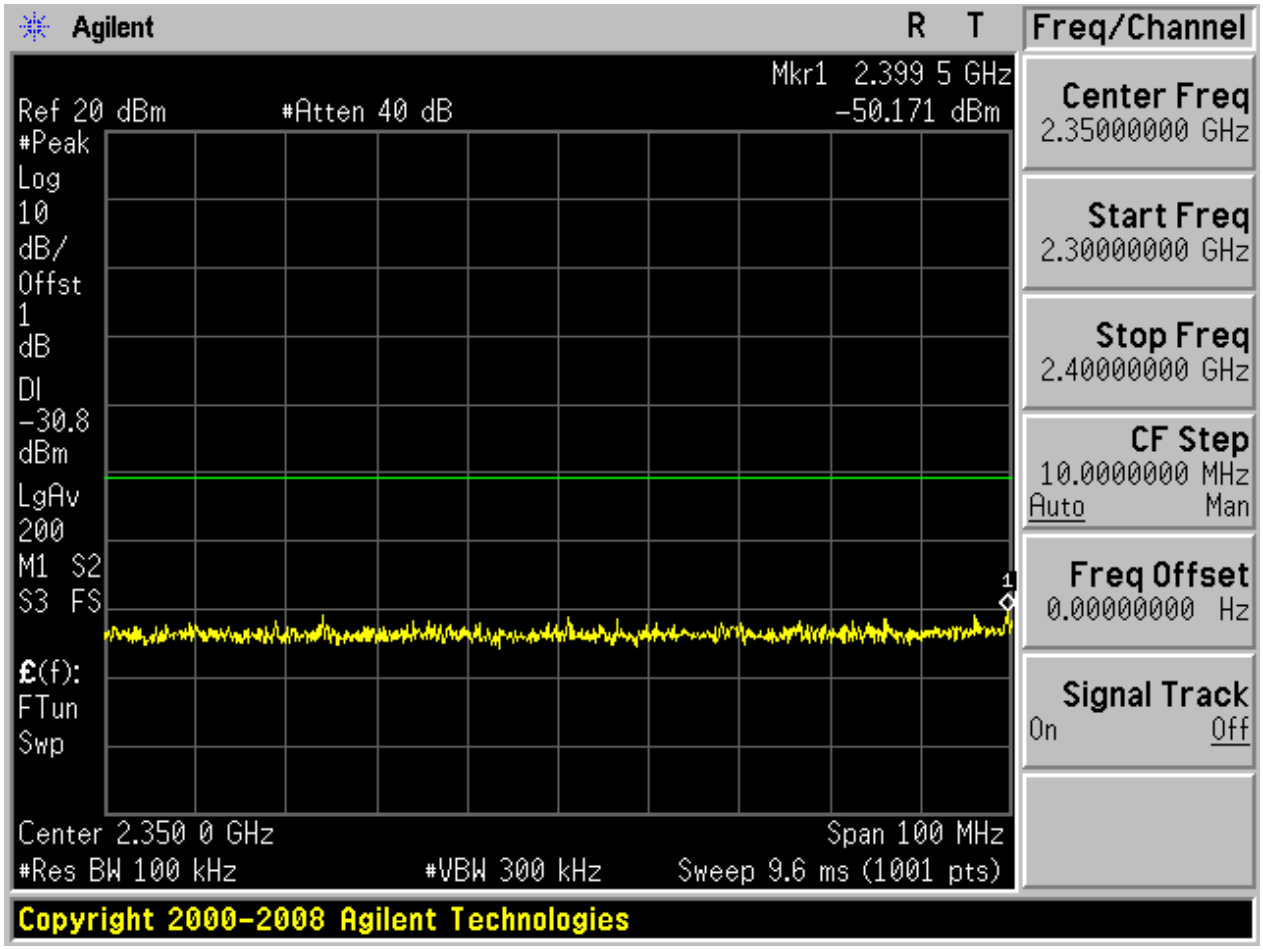

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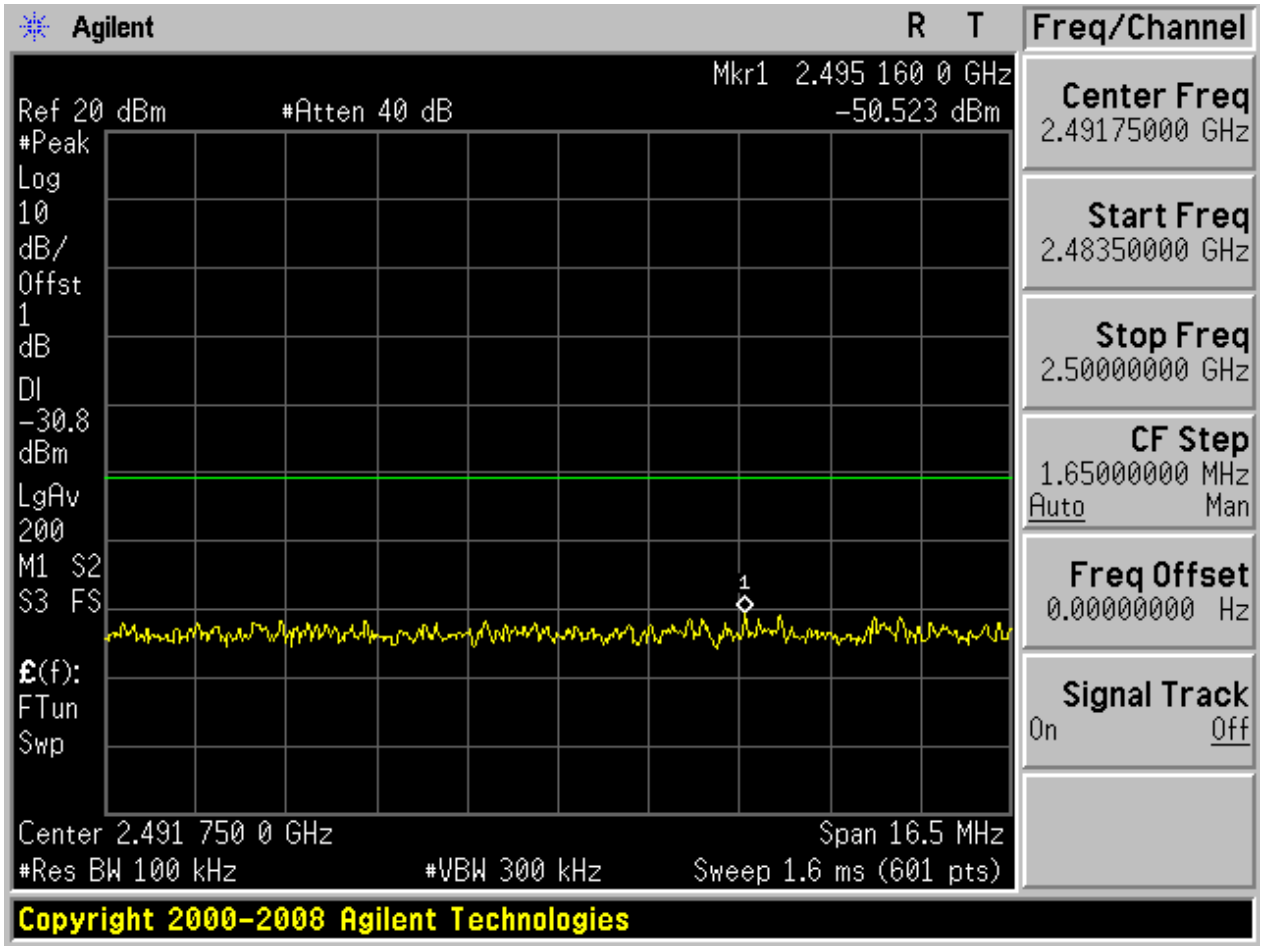

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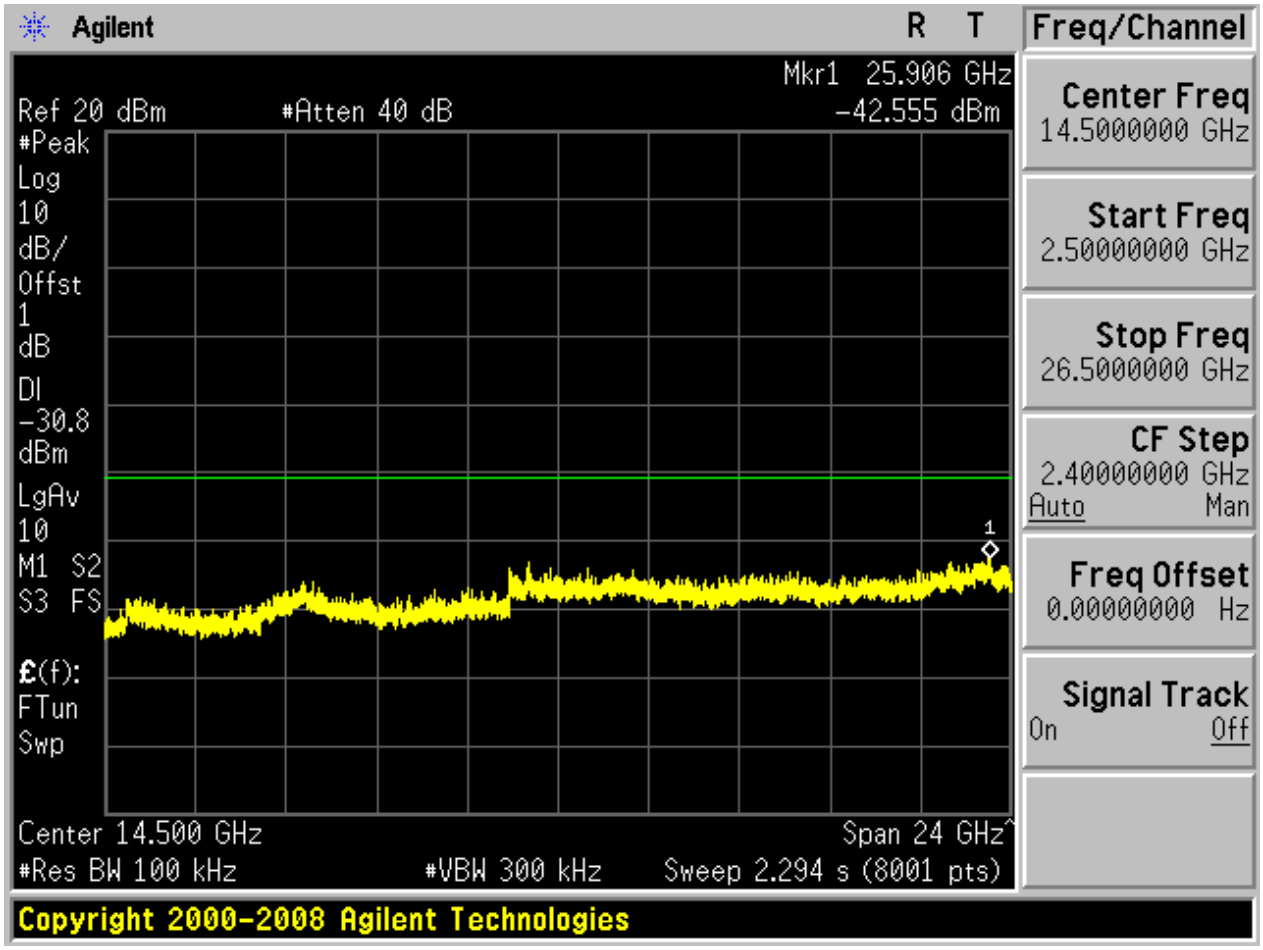

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2.10 11G_M@Ant 2

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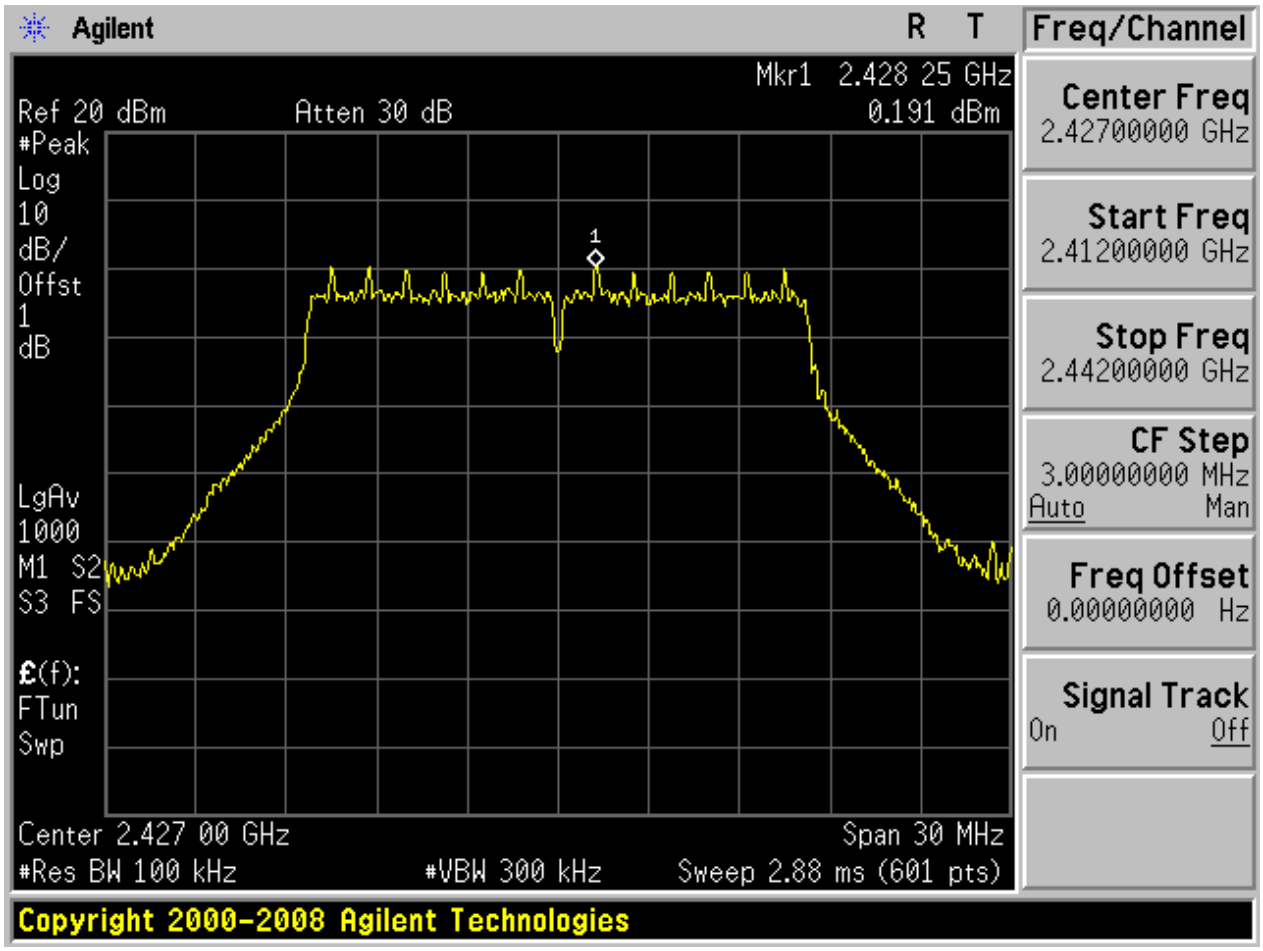

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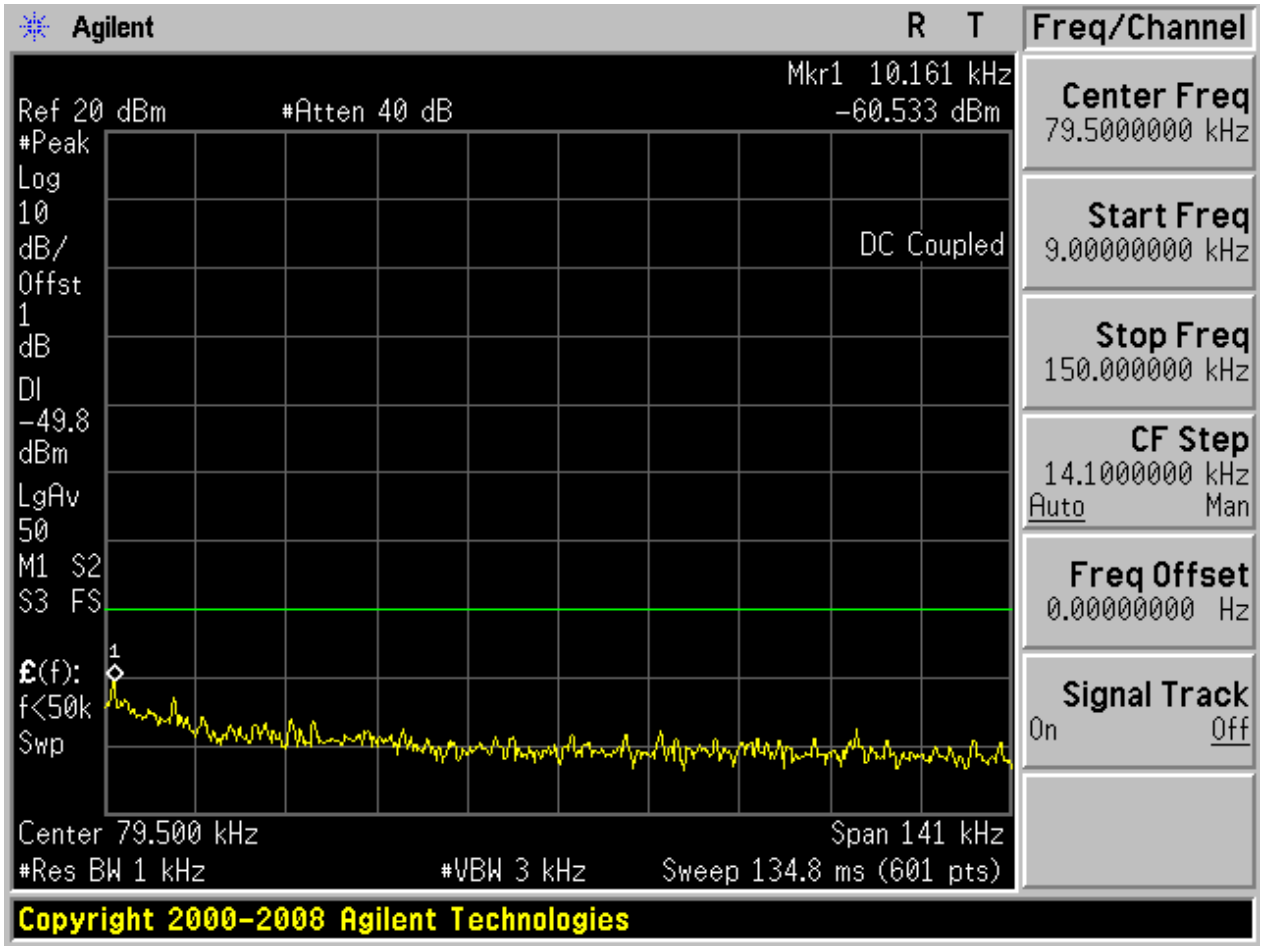
Puw:



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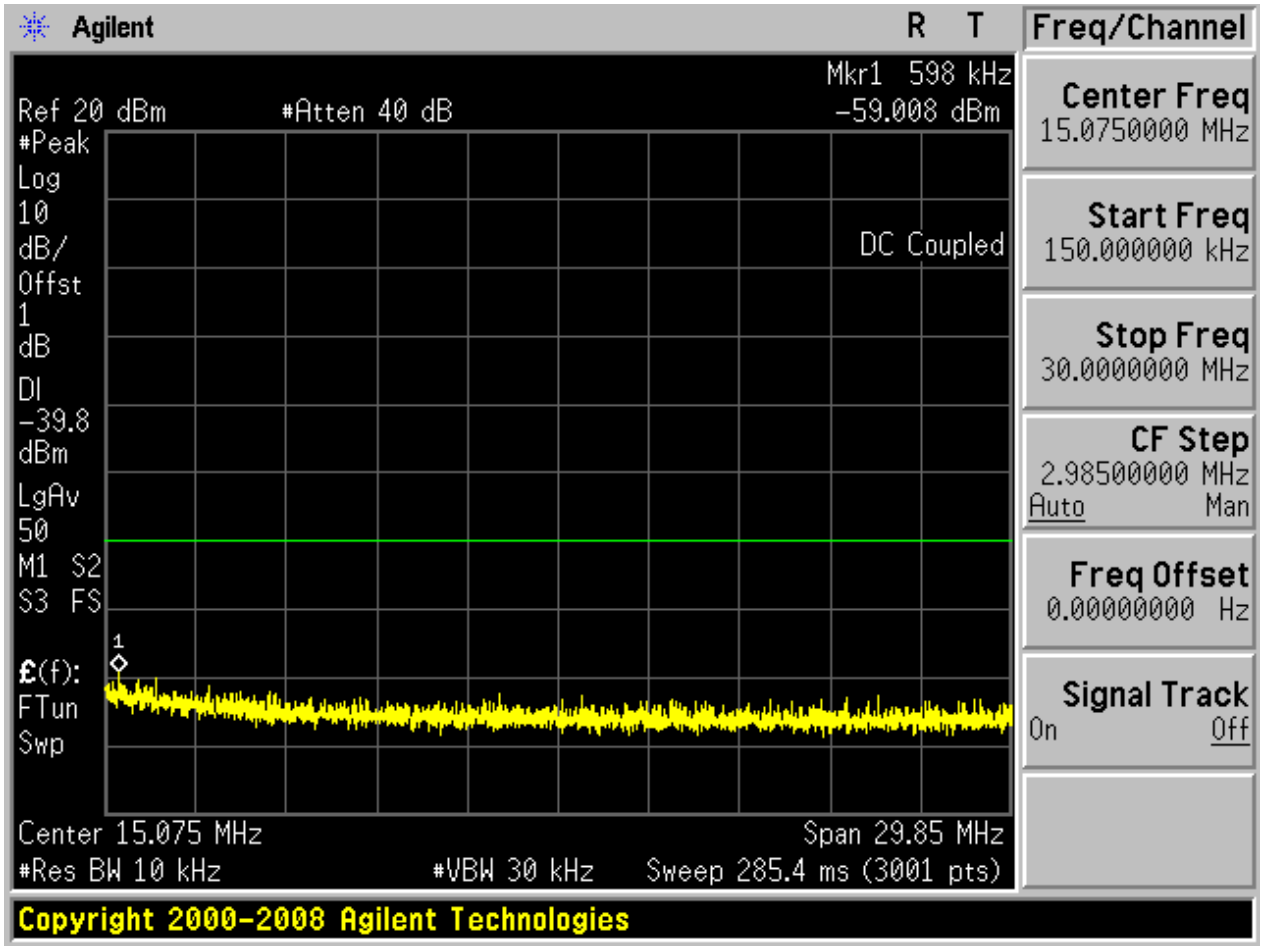
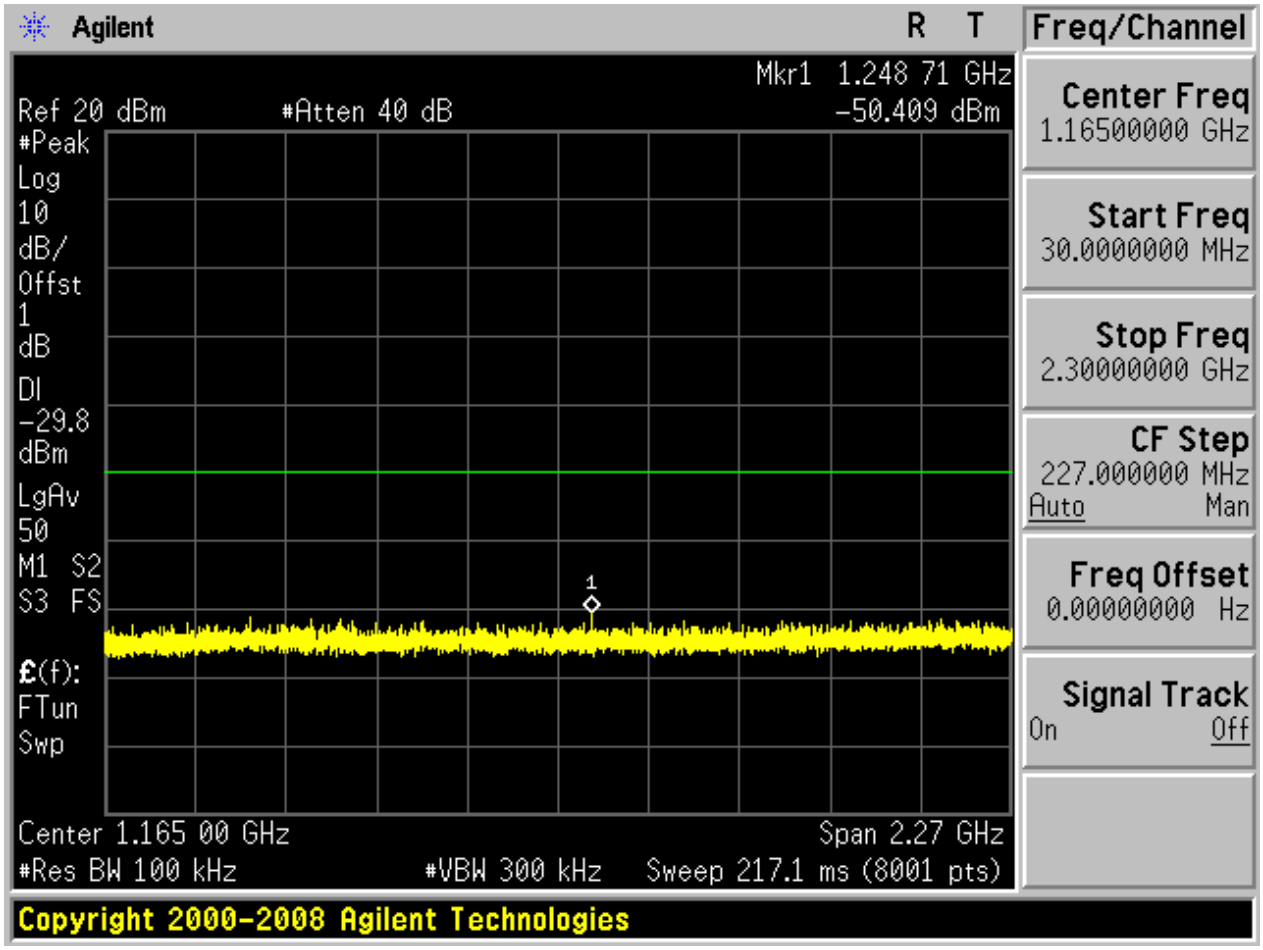
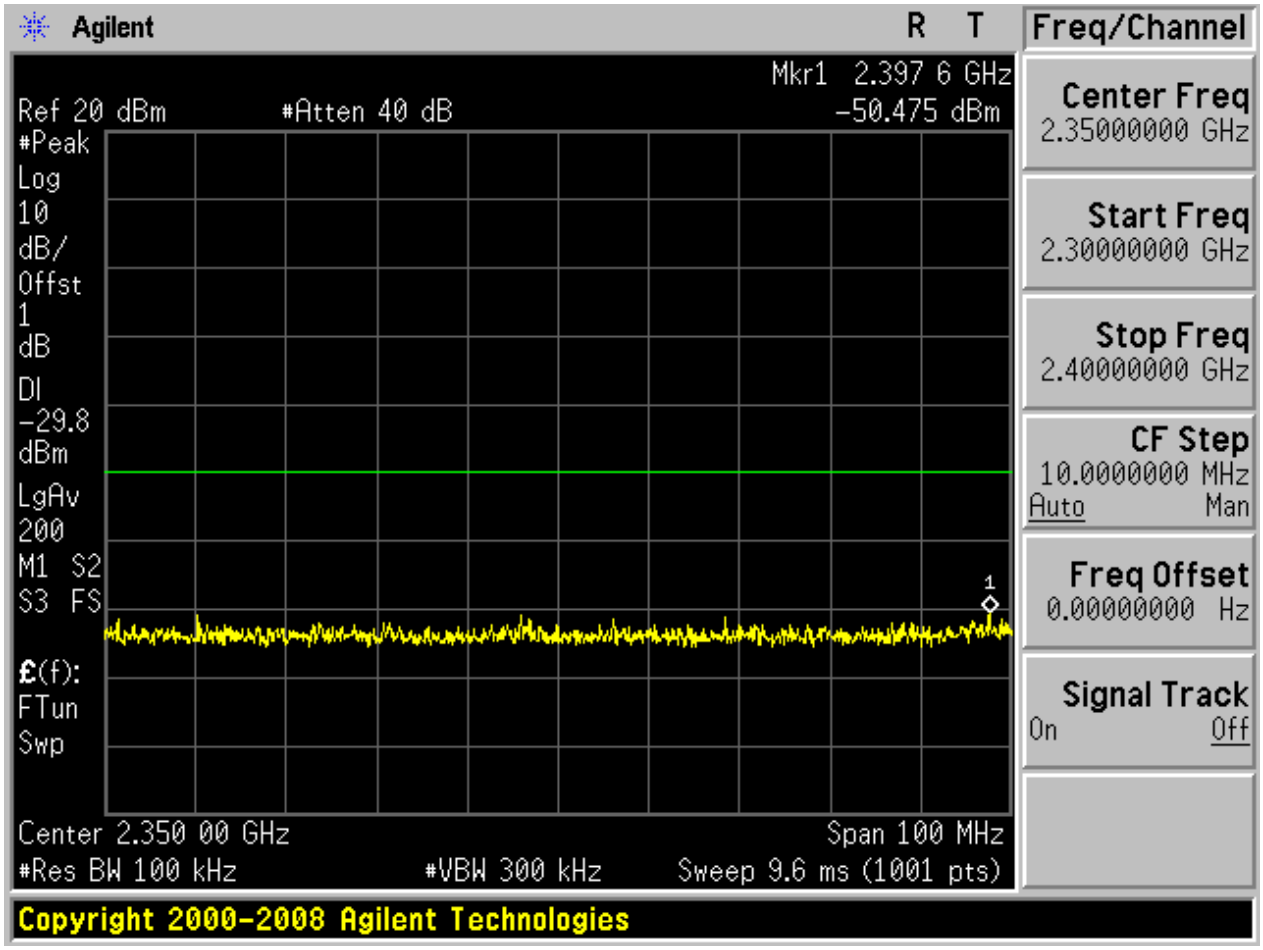

Agilent
R T
Freq/Channel
Mkr1 598 kHz
Ref 20 dBm
#Atten 40 dB
-59.008 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-39.8
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 1.248 71 GHz
Ref 20 dBm
#Atten 40 dB
-50.409 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-29.8
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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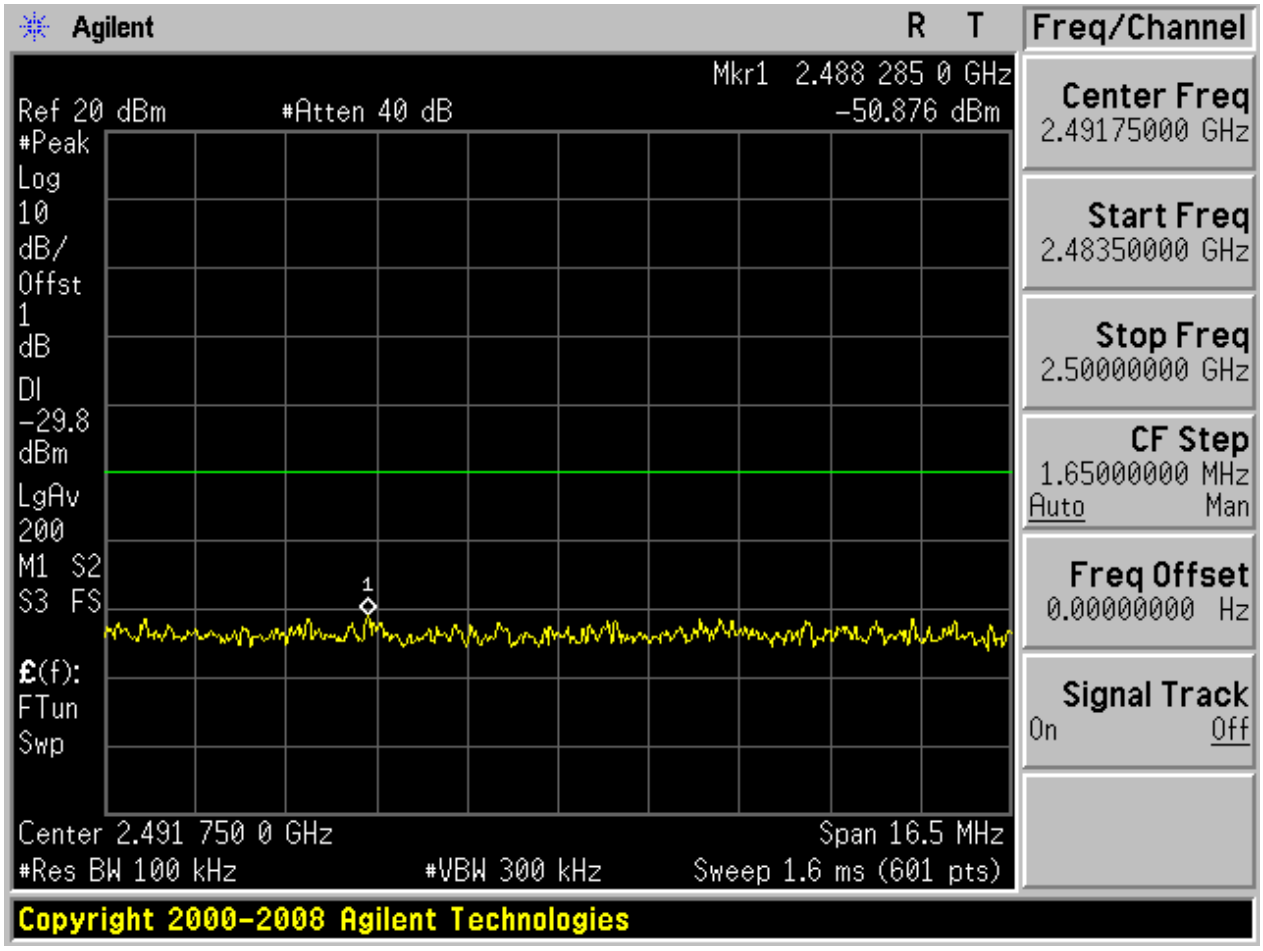

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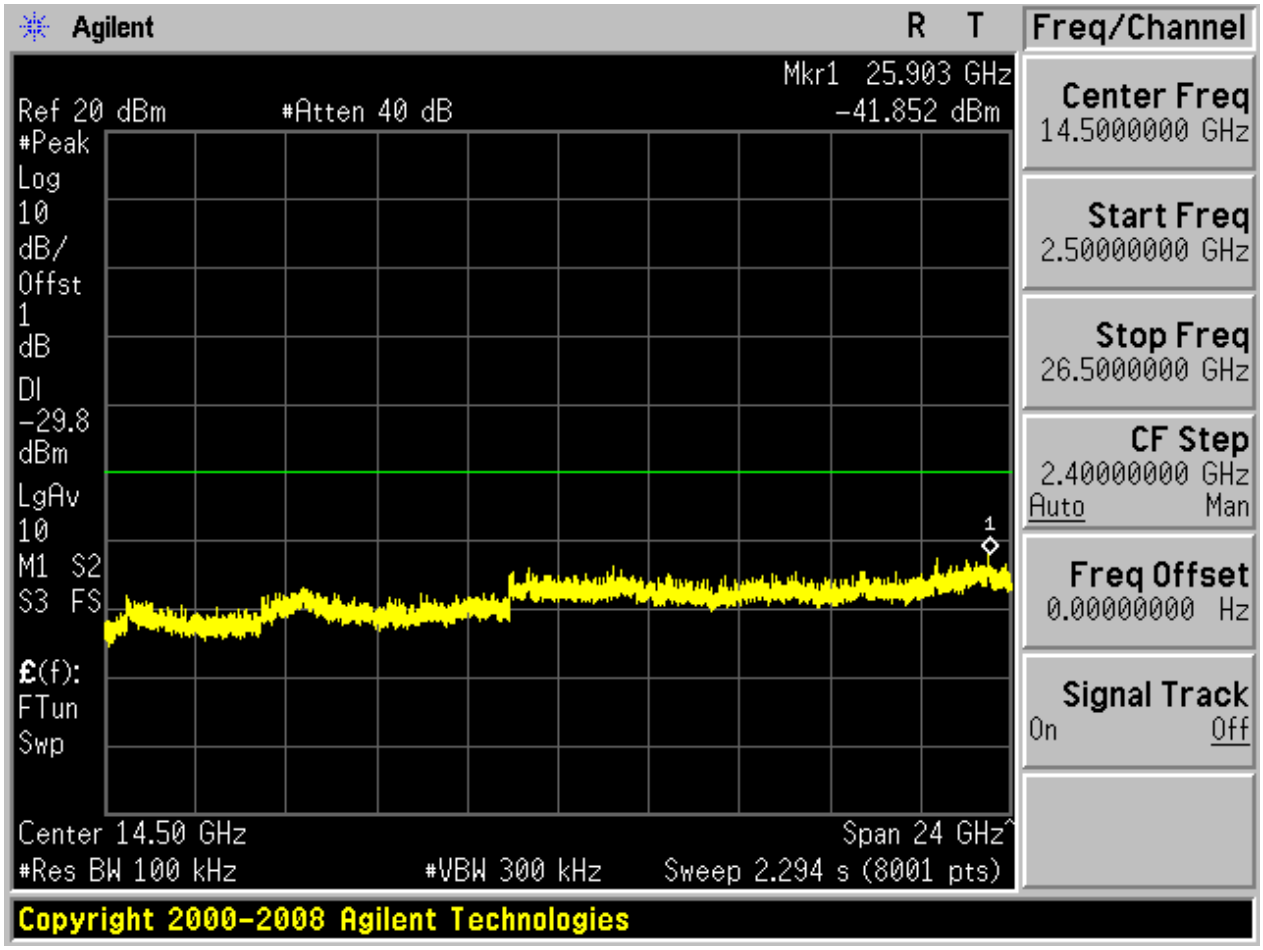
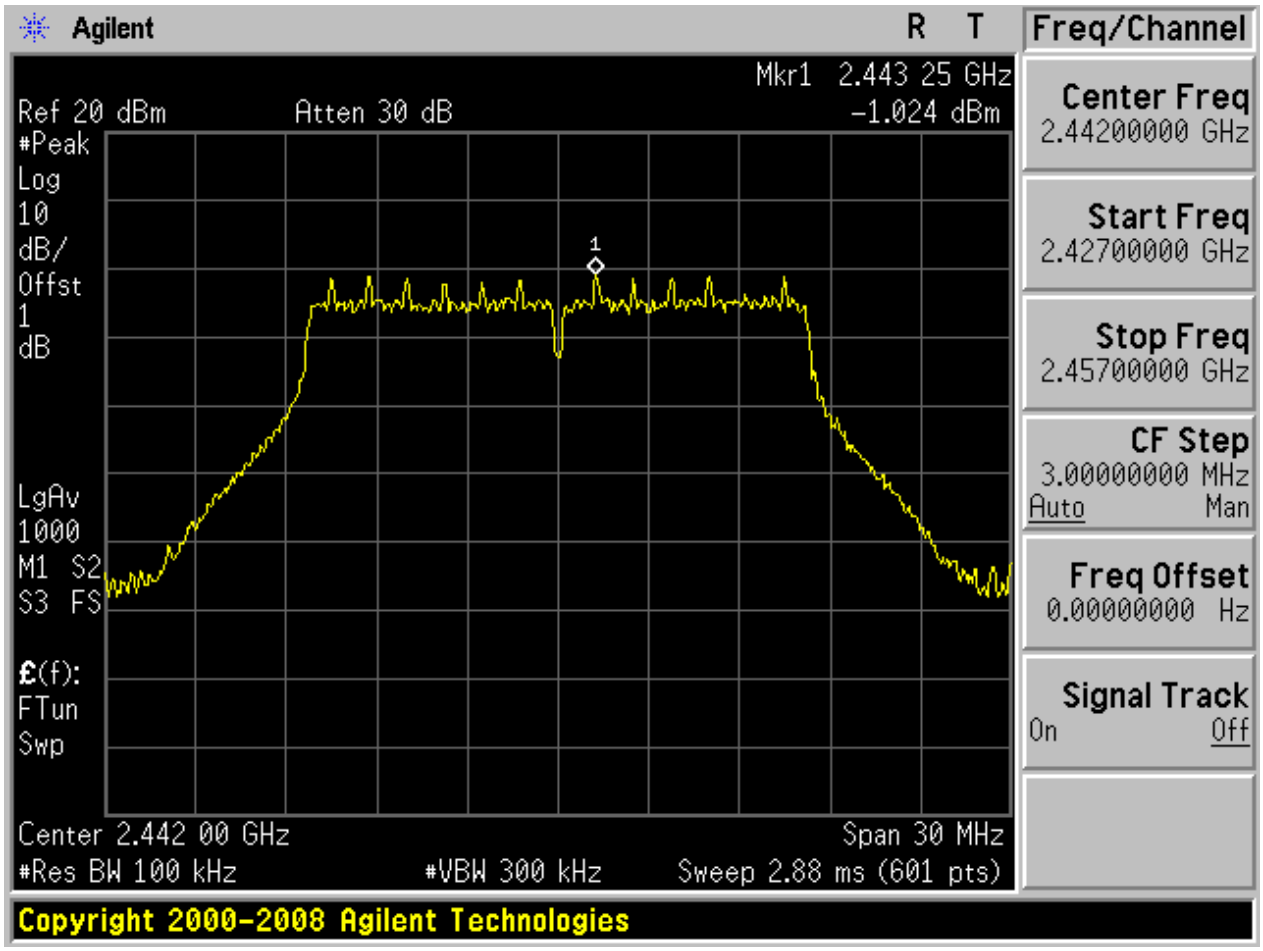

Agilent
R T
Freq/Channel
Mkr1 25.903 GHz
Ref 20 dBm
#Atten 40 dB
-41.852 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-29.8
dBm
LgAv
10
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 14.50 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8001 pts)
Copyright 2000-2008 Agilent Technologies

2.11 11G_H@Ant 1

Pref:



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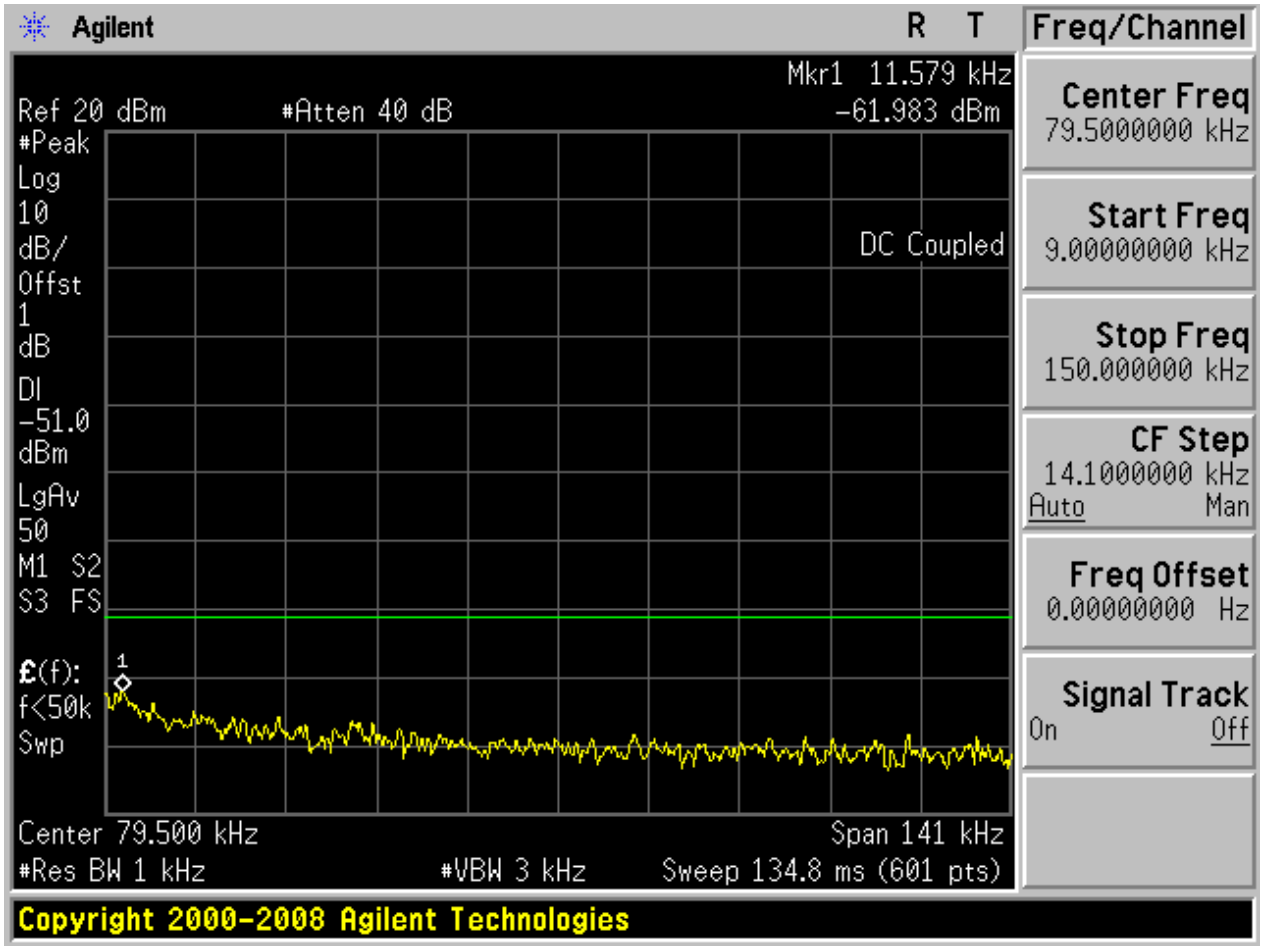

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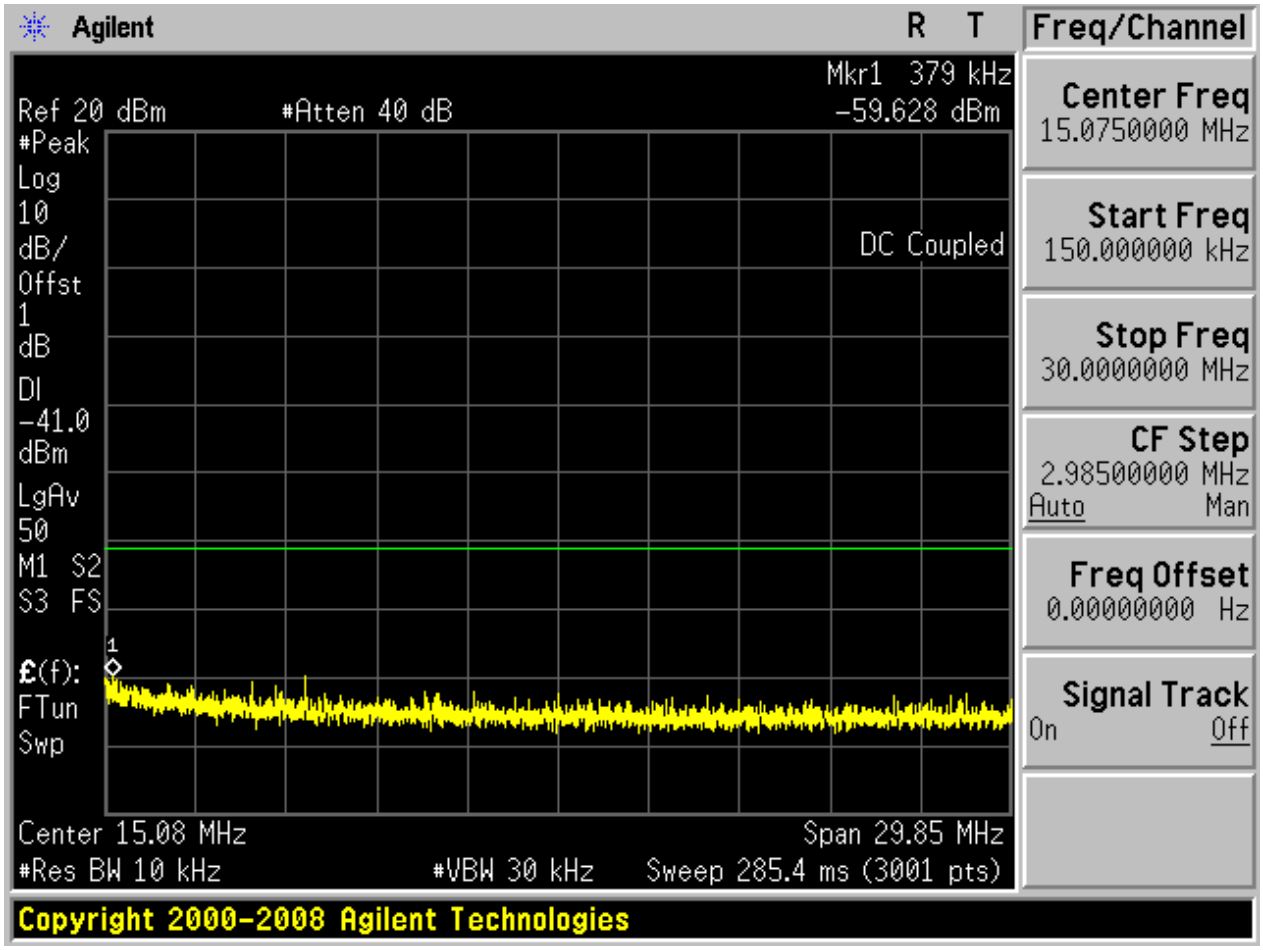
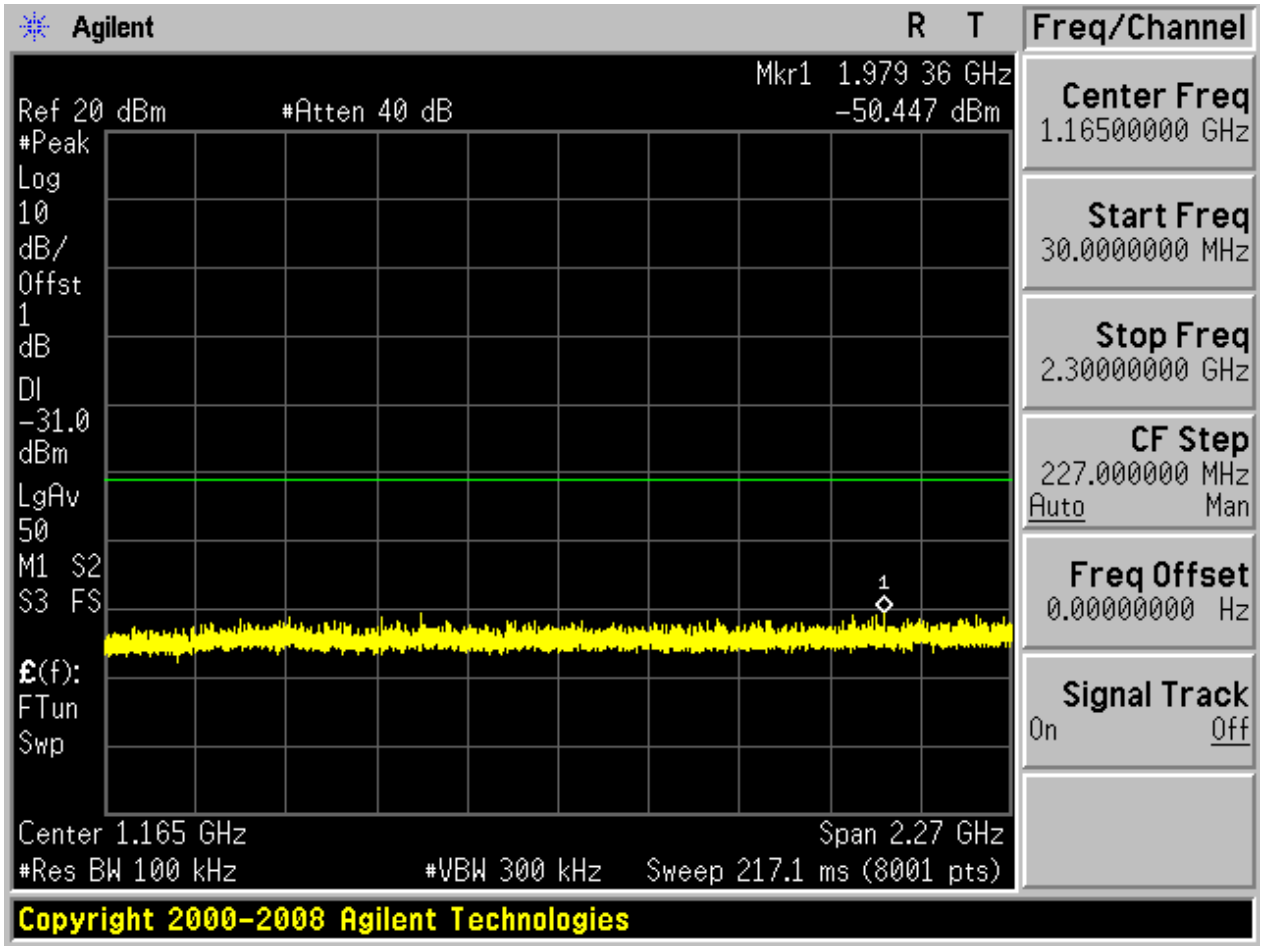
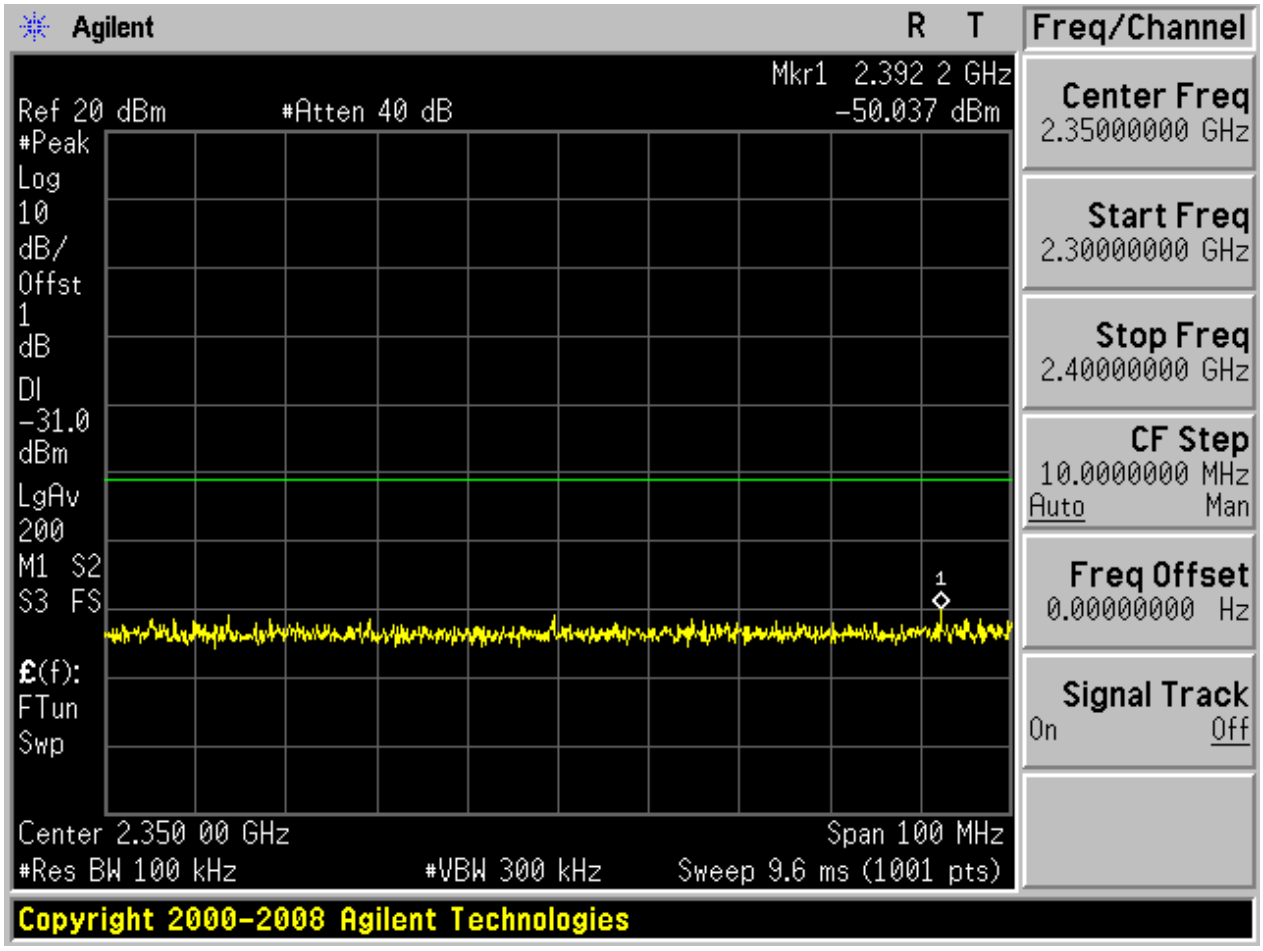

Agilent
R T
Freq/Channel
Mkr1 379 kHz
Ref 20 dBm
#Atten 40 dB
-59.628 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-41.0
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 1.979 36 GHz
Ref 20 dBm
#Atten 40 dB
-50.447 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-31.0
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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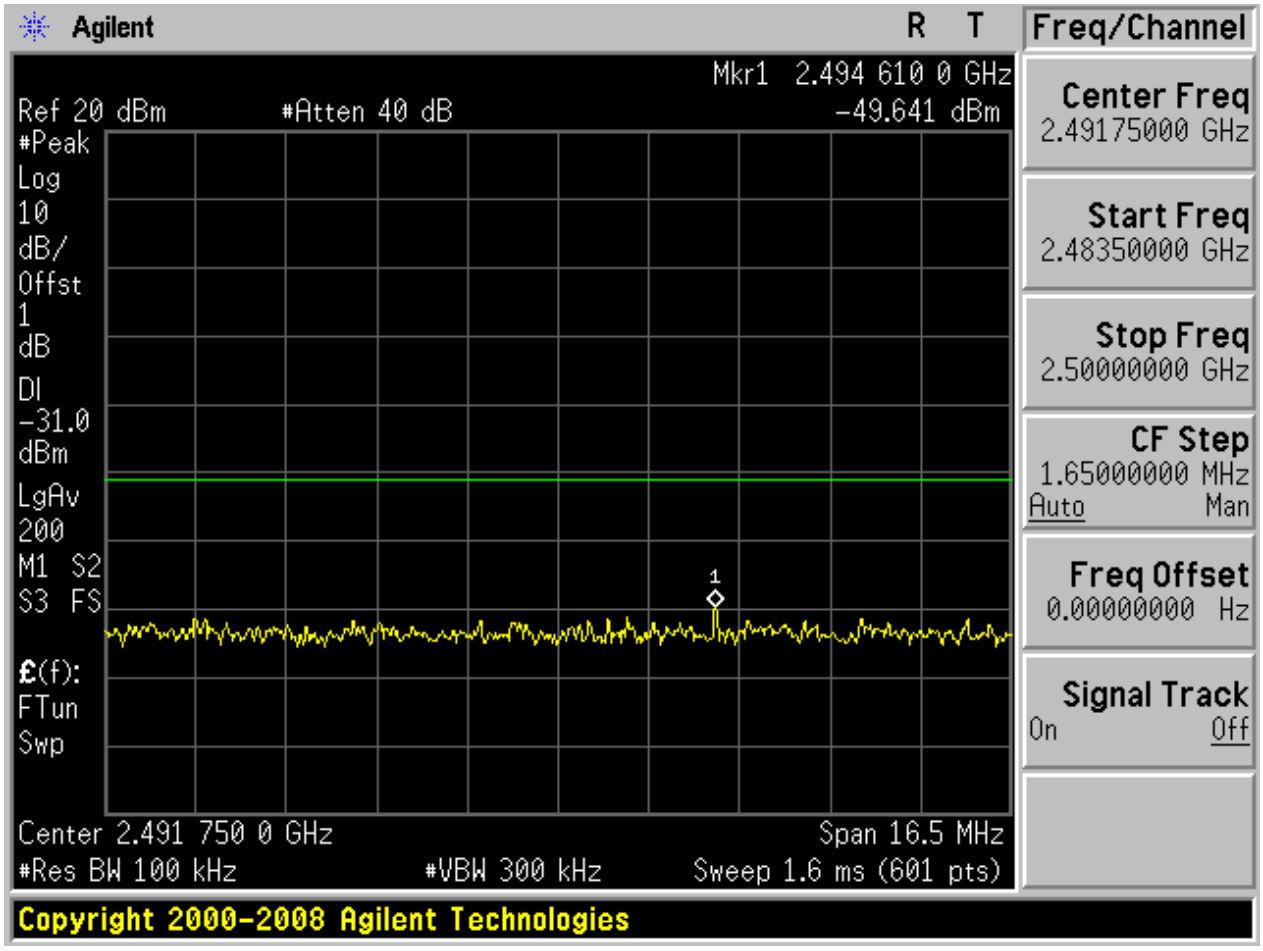

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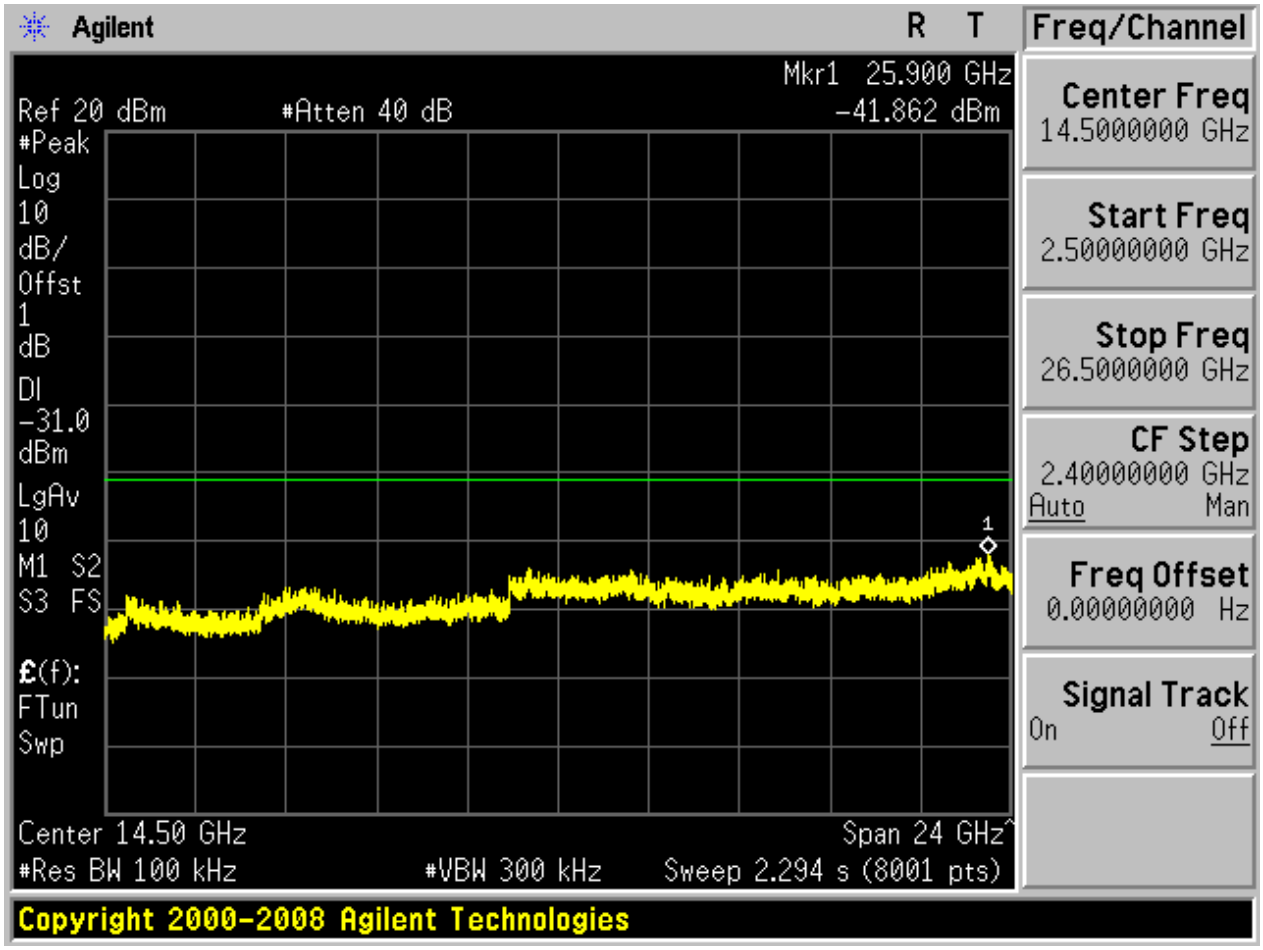
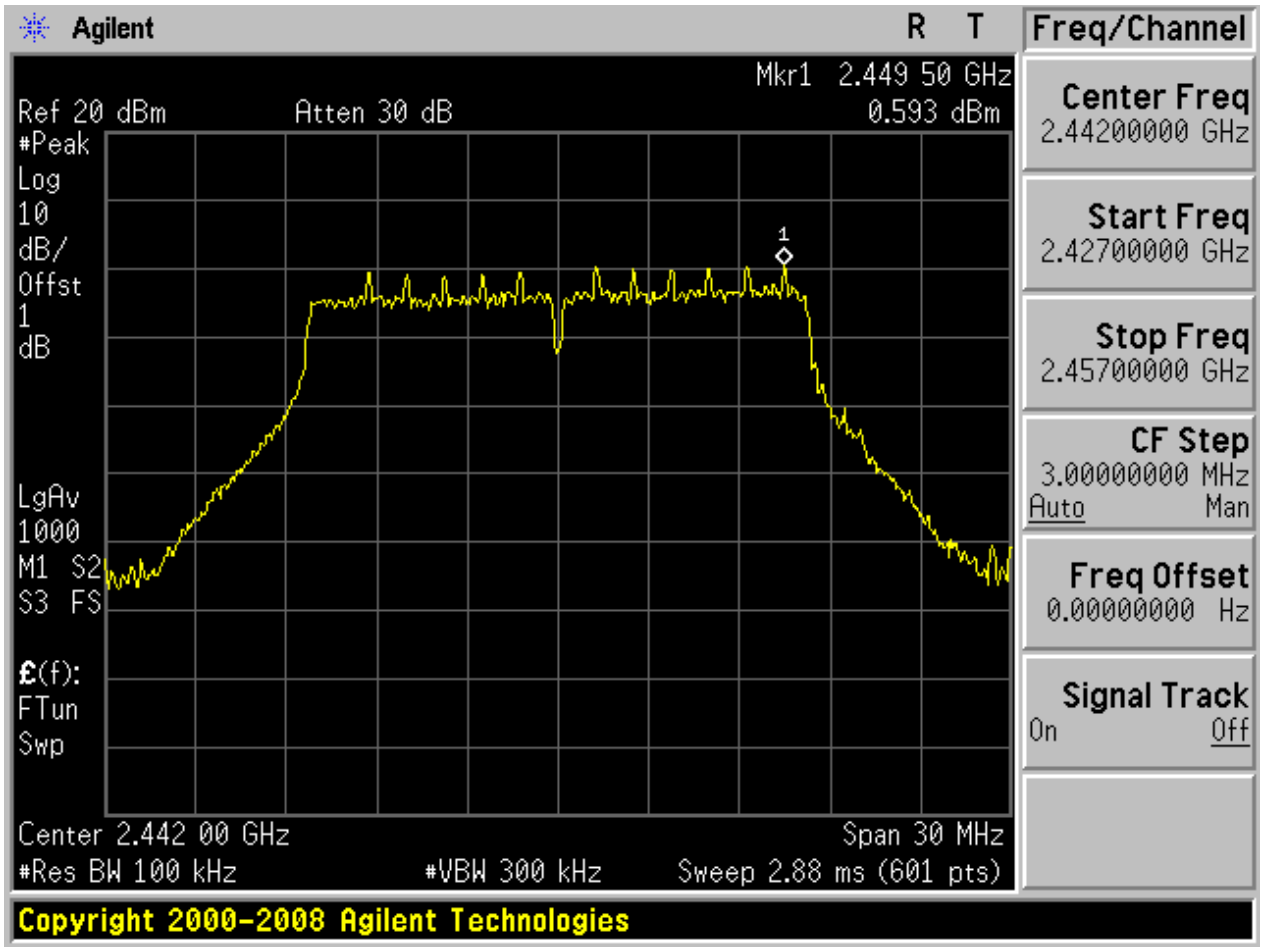

Agilent
R T
Freq/Channel
Mkr1 25.900 GHz
Ref 20 dBm
#Atten 40 dB
-41.862 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-31.0
dBm
LgAv
10
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 14.50 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8001 pts)
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies

2.12 11G_H@Ant 2

Pref:



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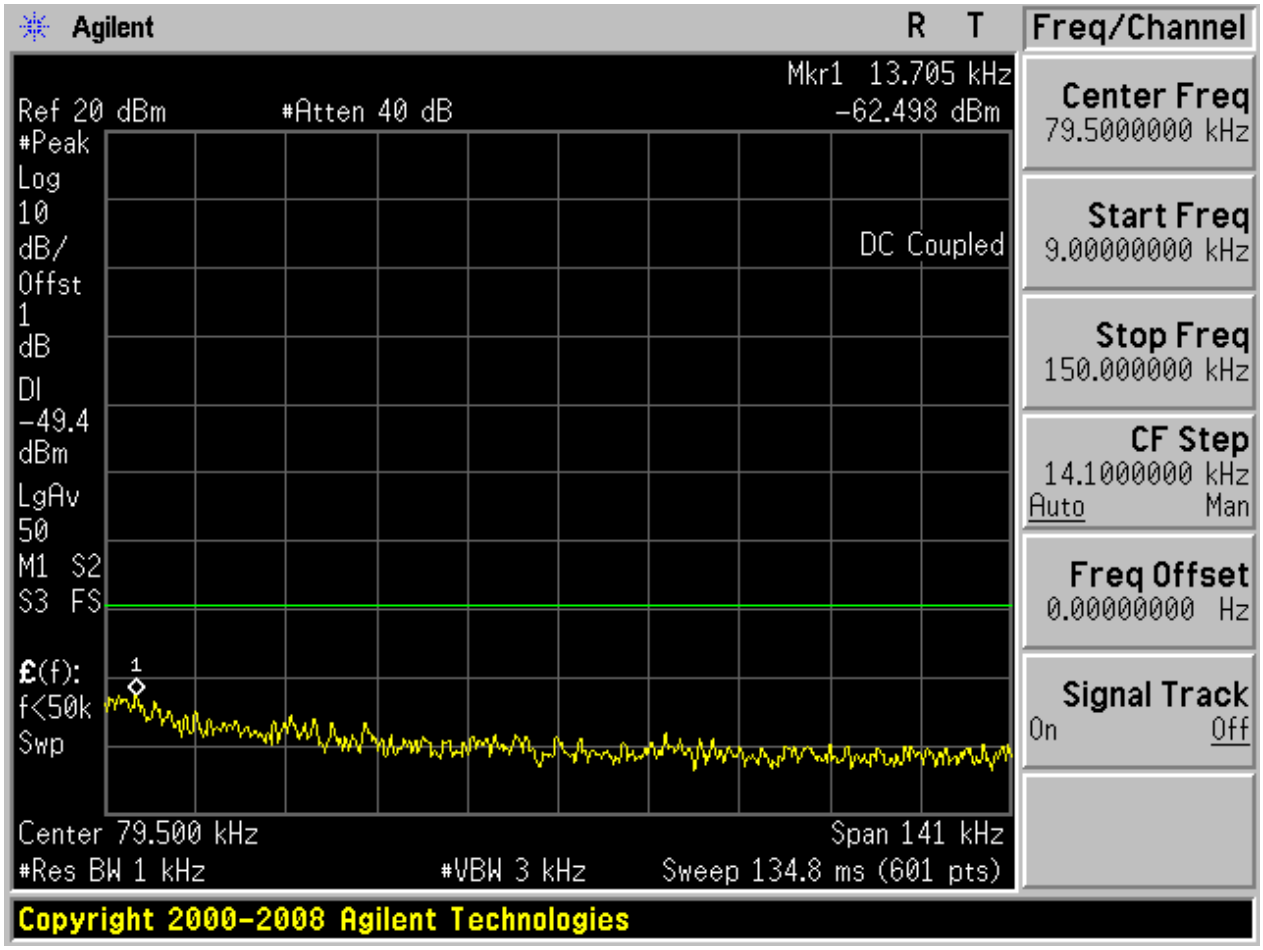

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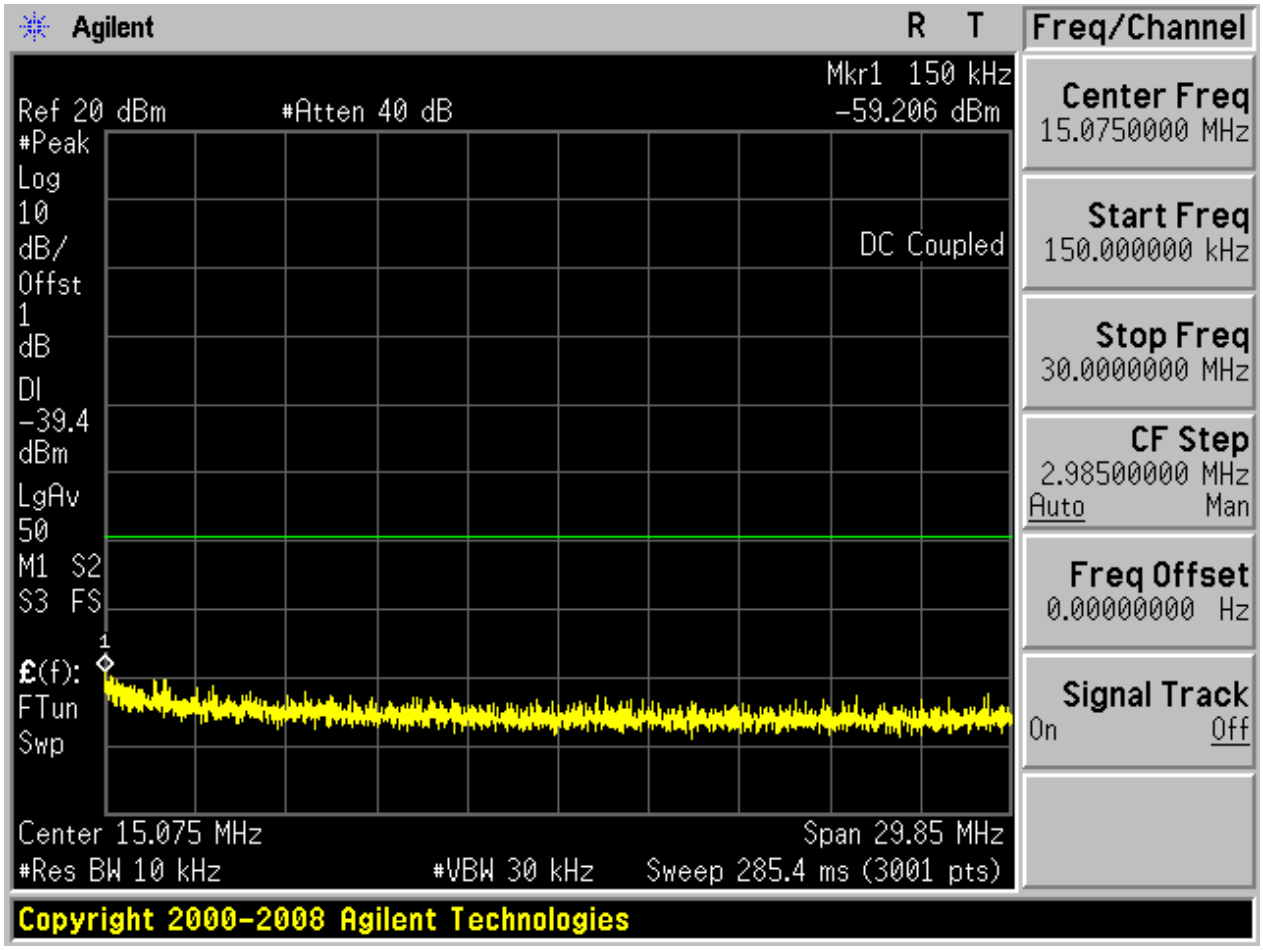
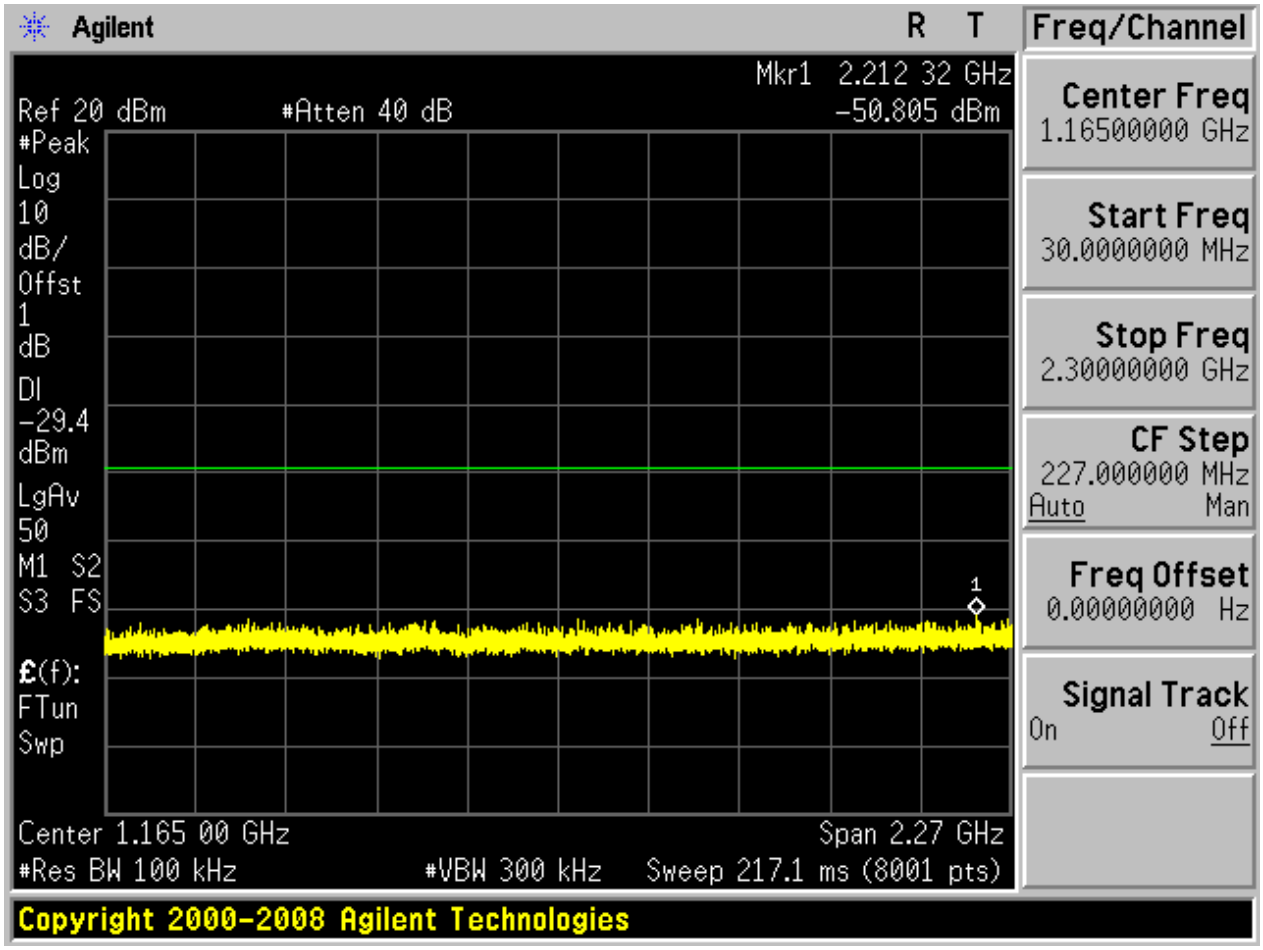
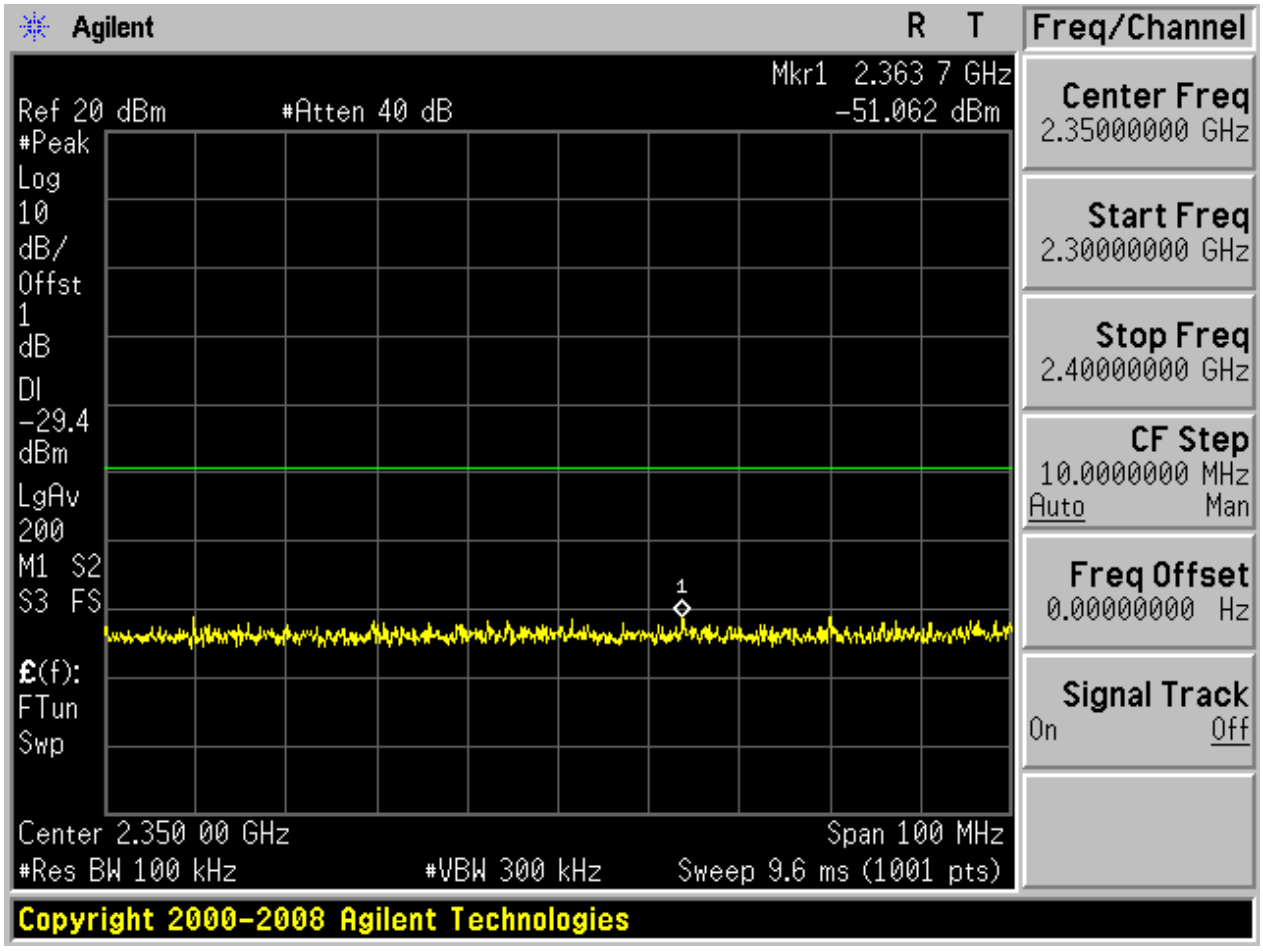

Agilent
R T
Freq/Channel
Mkr1 150 kHz
Ref 20 dBm
#Atten 40 dB
-59.206 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-39.4
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.212 32 GHz
Ref 20 dBm
#Atten 40 dB
-50.805 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-29.4
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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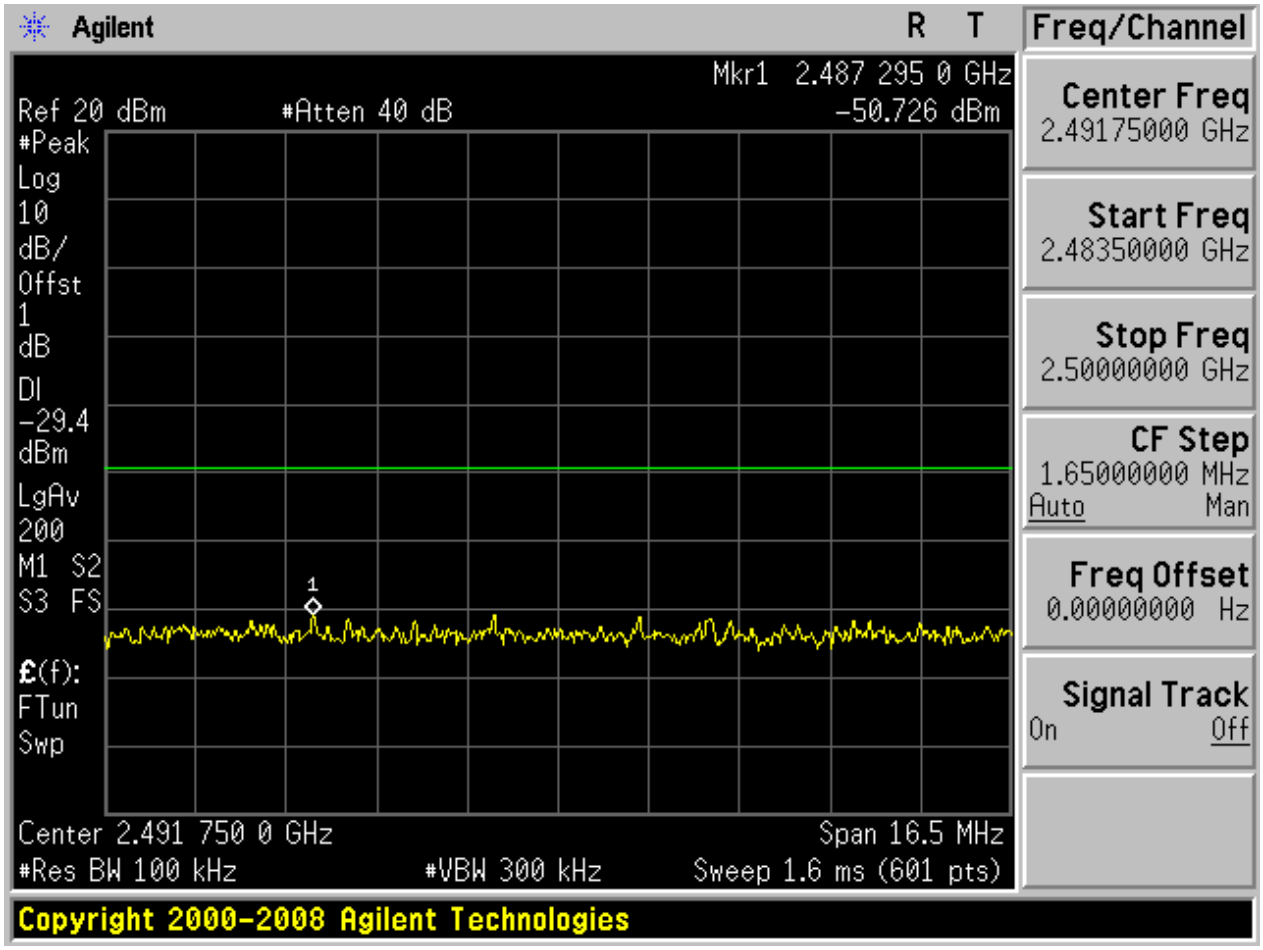
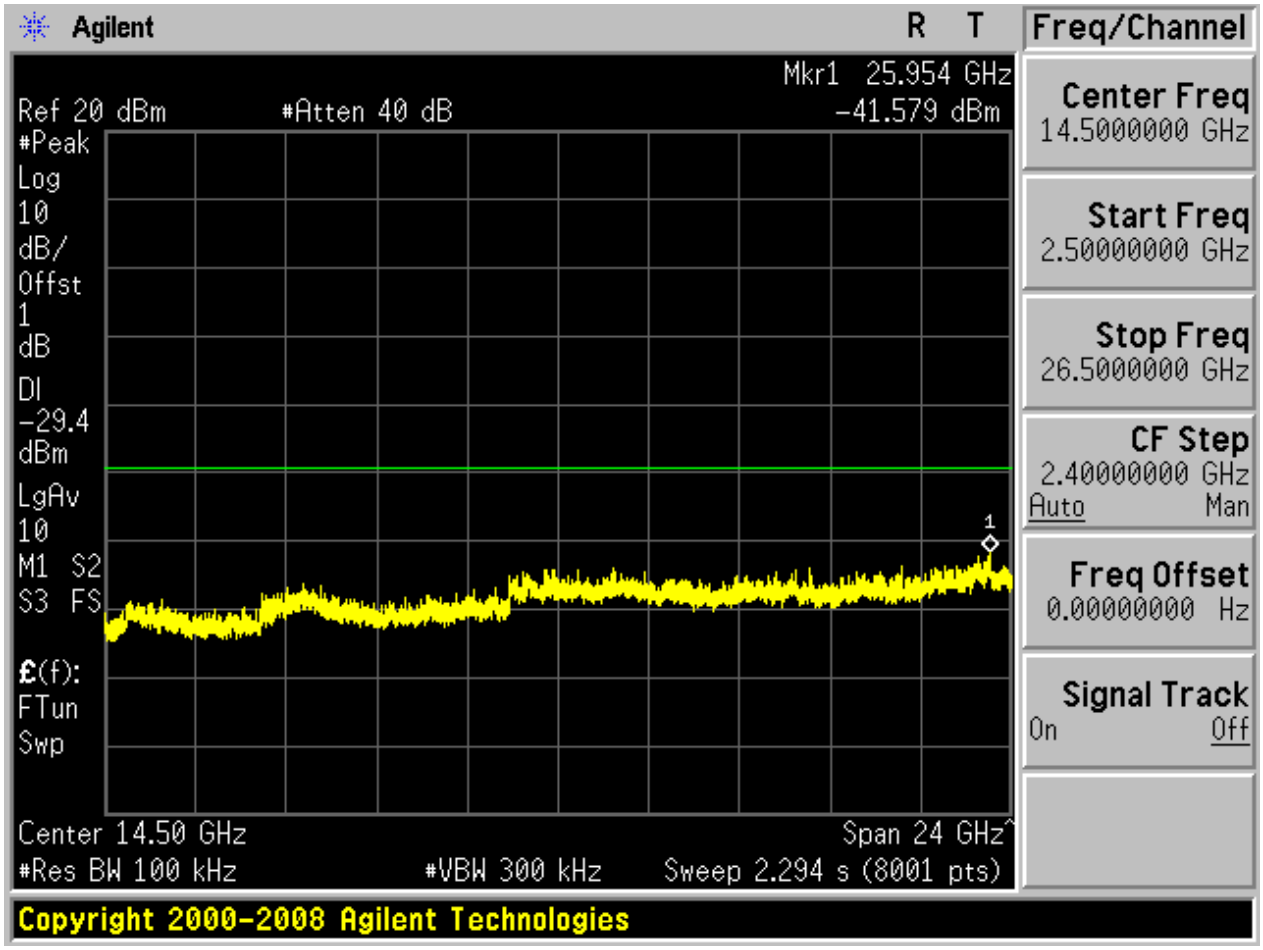

Agilent
R T
Freq/Channel
Mkr1 2.487 295 0 GHz
Ref 20 dBm
#Atten 40 dB
-50.726 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-29.4
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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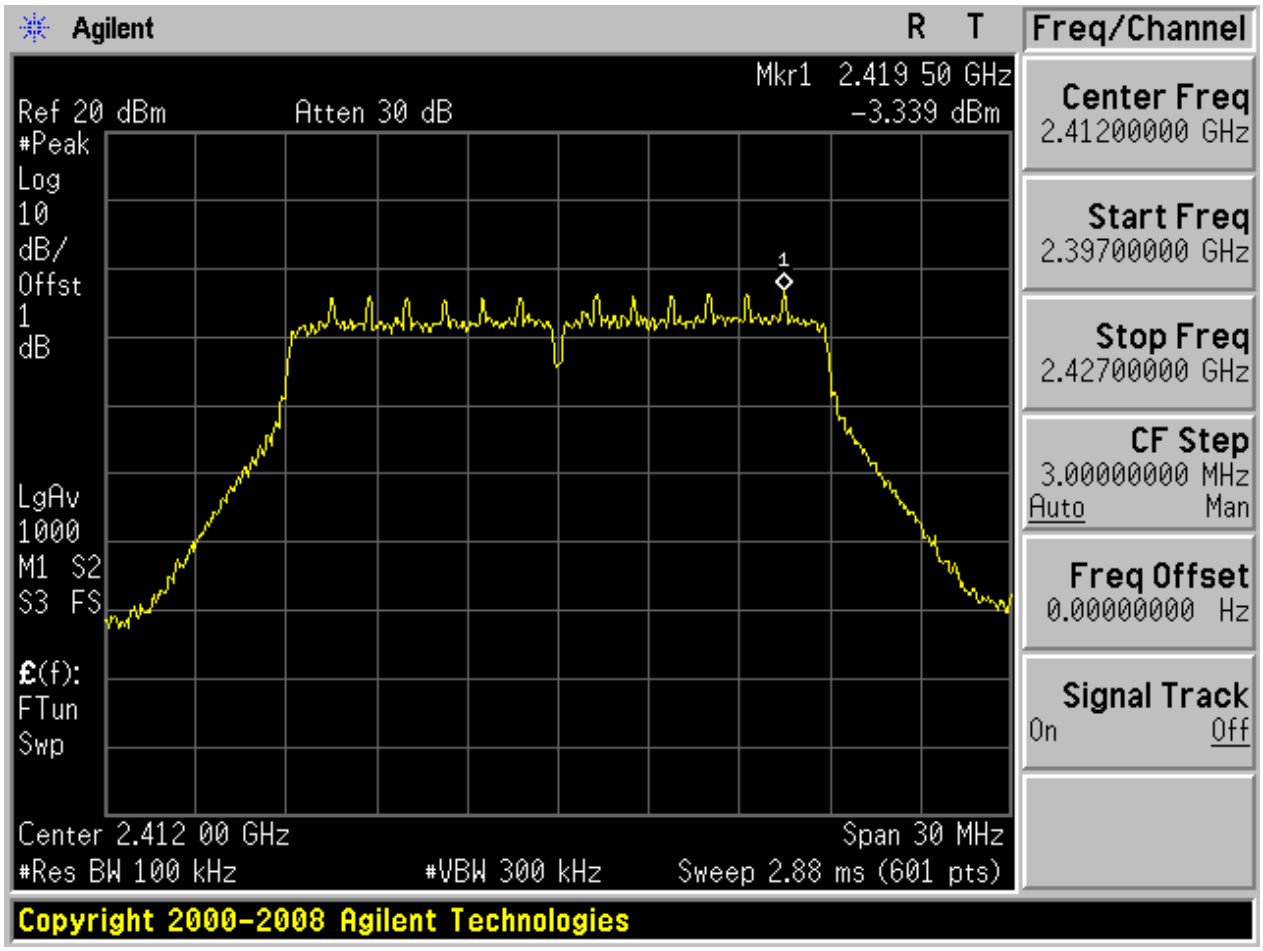
2.13 11N20_L@Ant 1

Pref:



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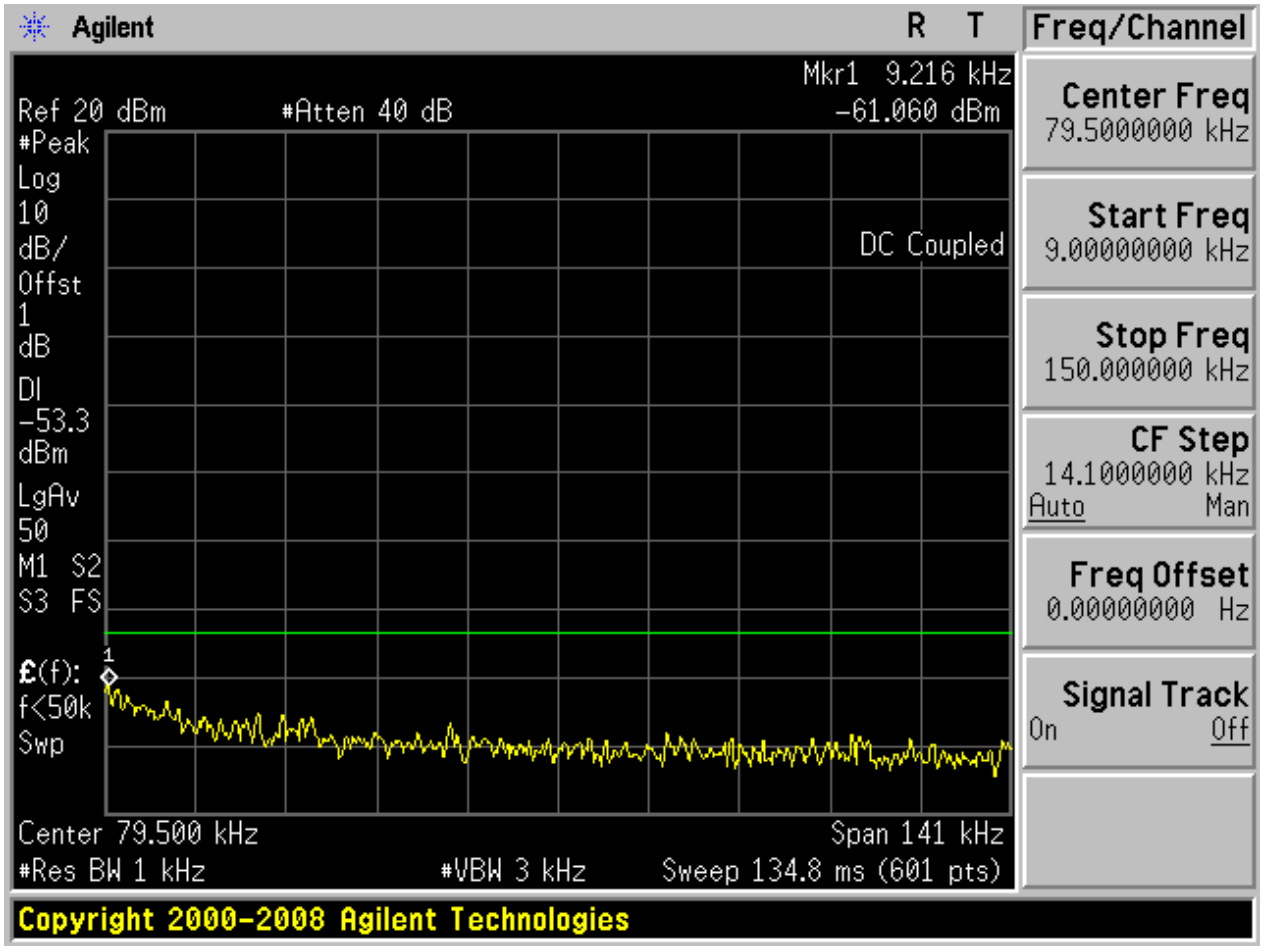
Puw:



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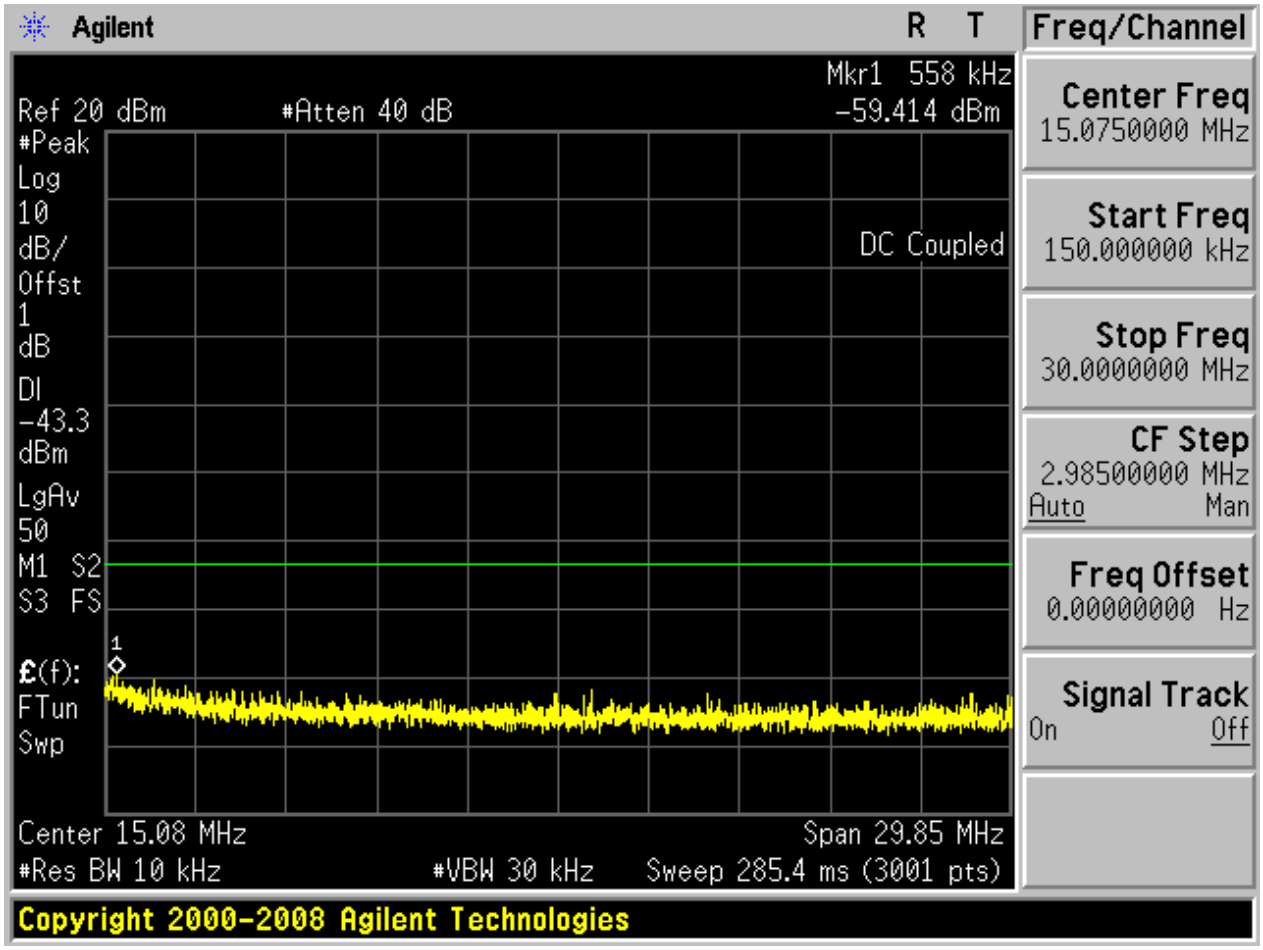
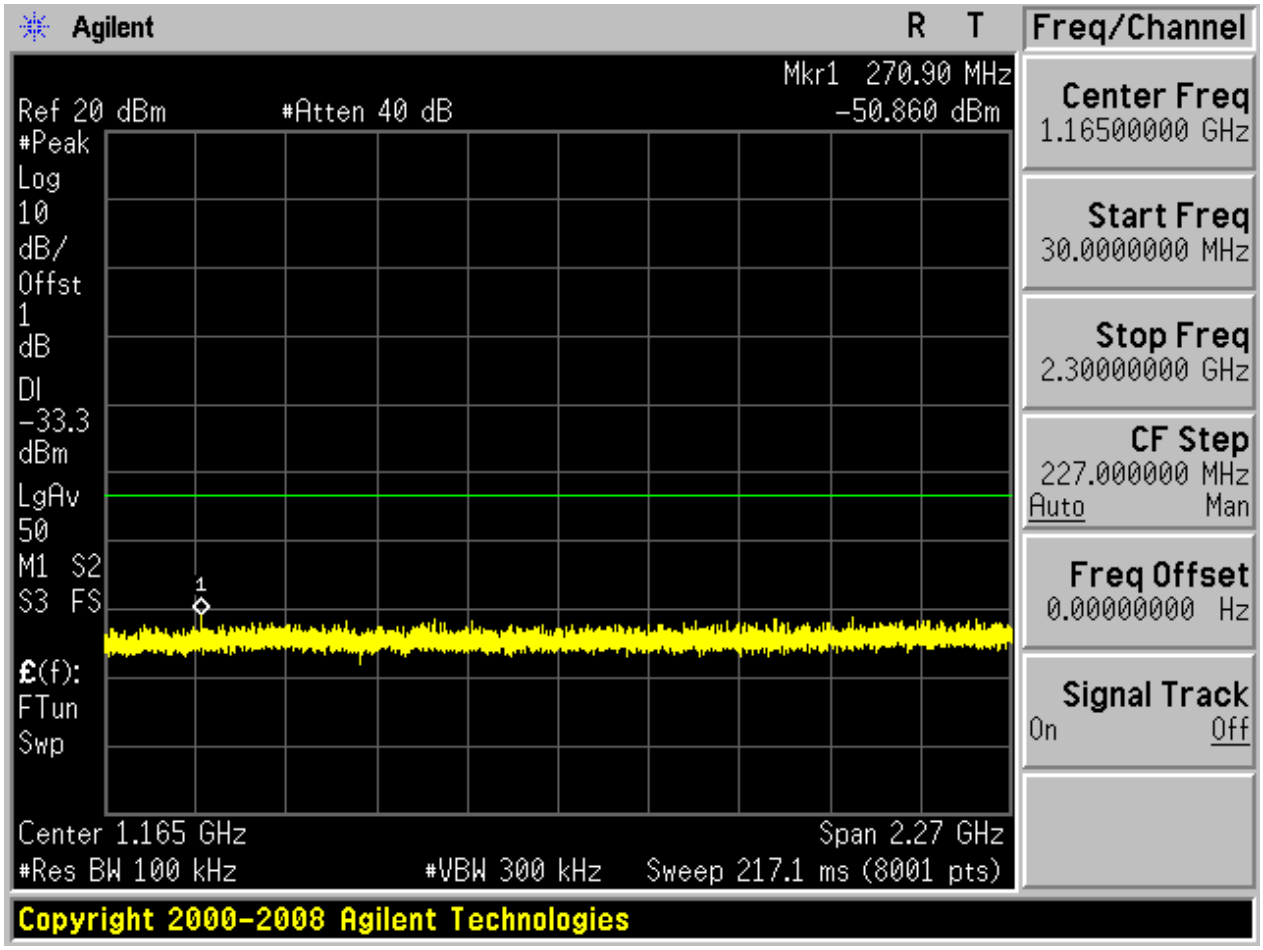

Agilent
R T
Freq/Channel
Mkr1 558 kHz
Ref 20 dBm
#Atten 40 dB
-59.414 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-43.3
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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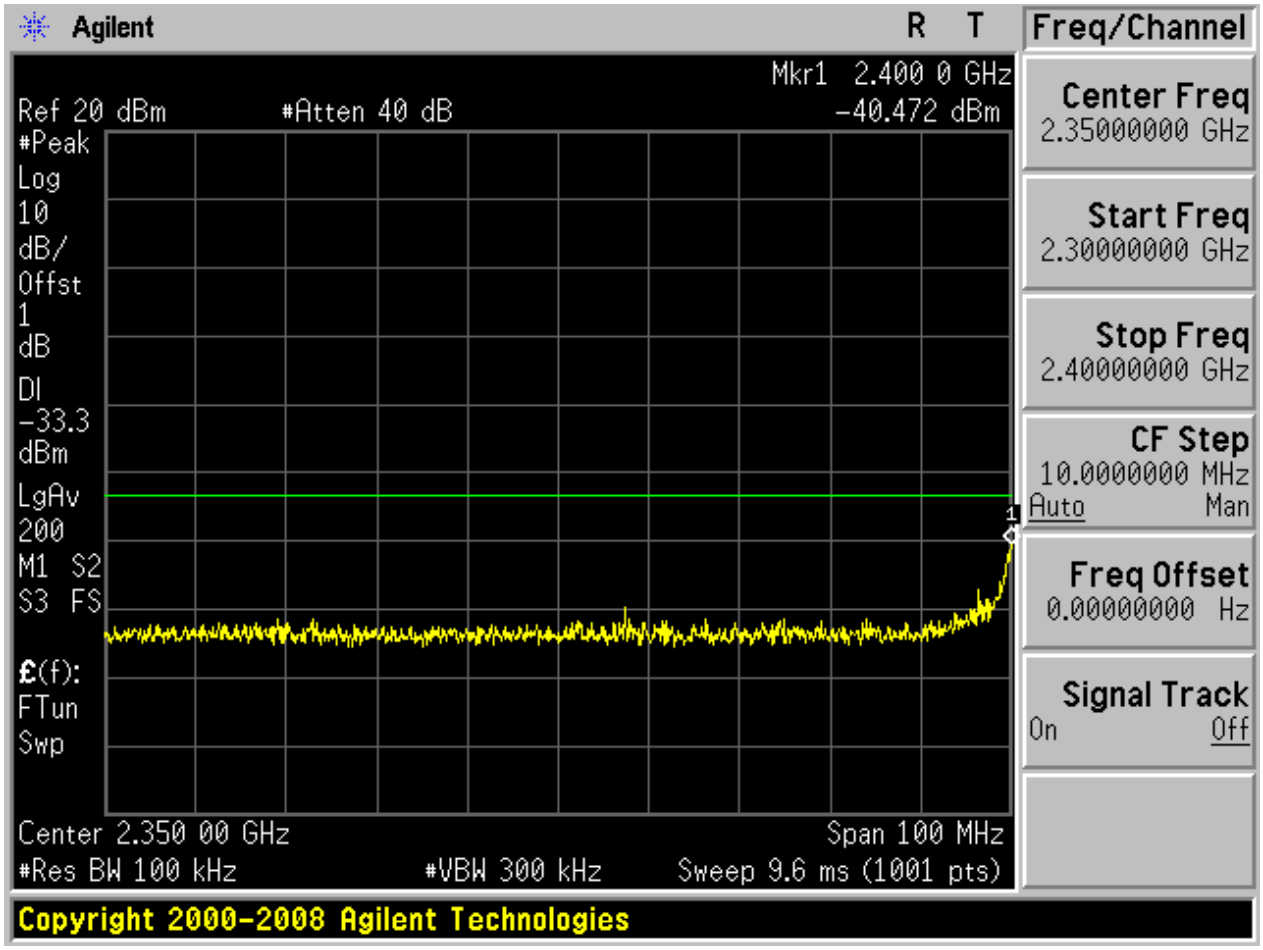
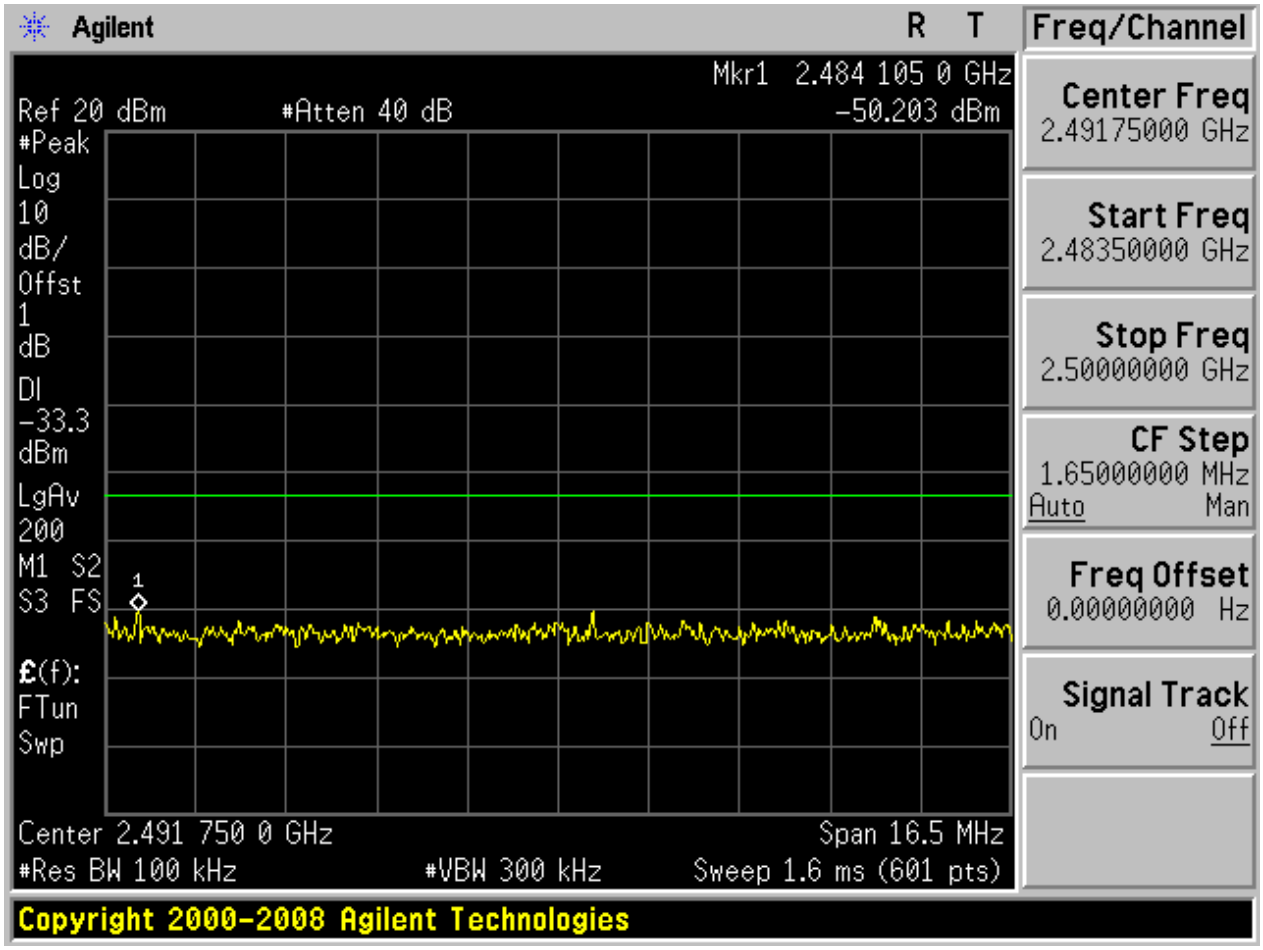

Agilent
R T
Freq/Channel
Mkr1 2.400 0 GHz
Ref 20 dBm
#Atten 40 dB
-40.472 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.3
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 2.350 00 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.6 ms (1001 pts)
Copyright 2000-2008 Agilent Technologies



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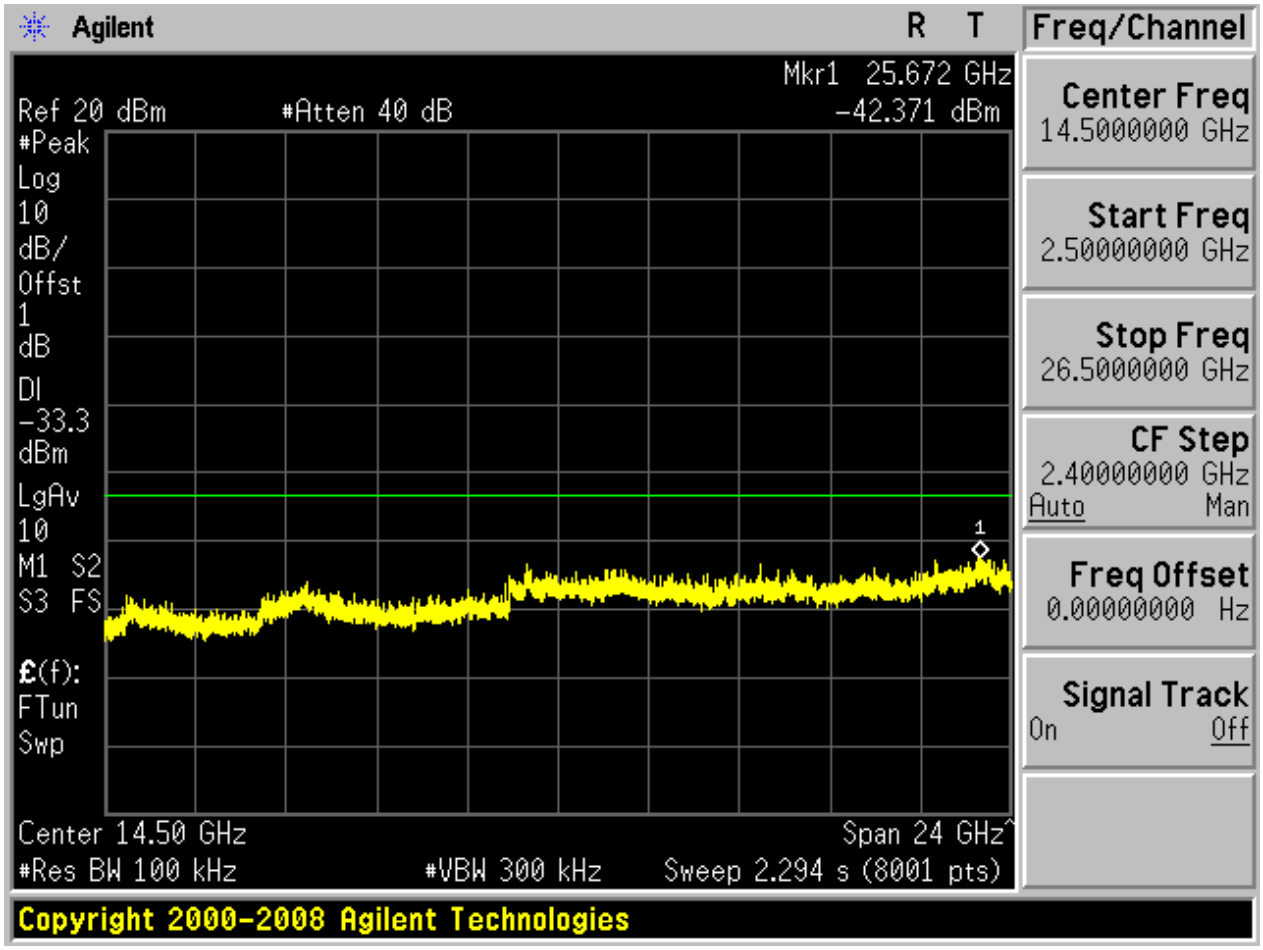

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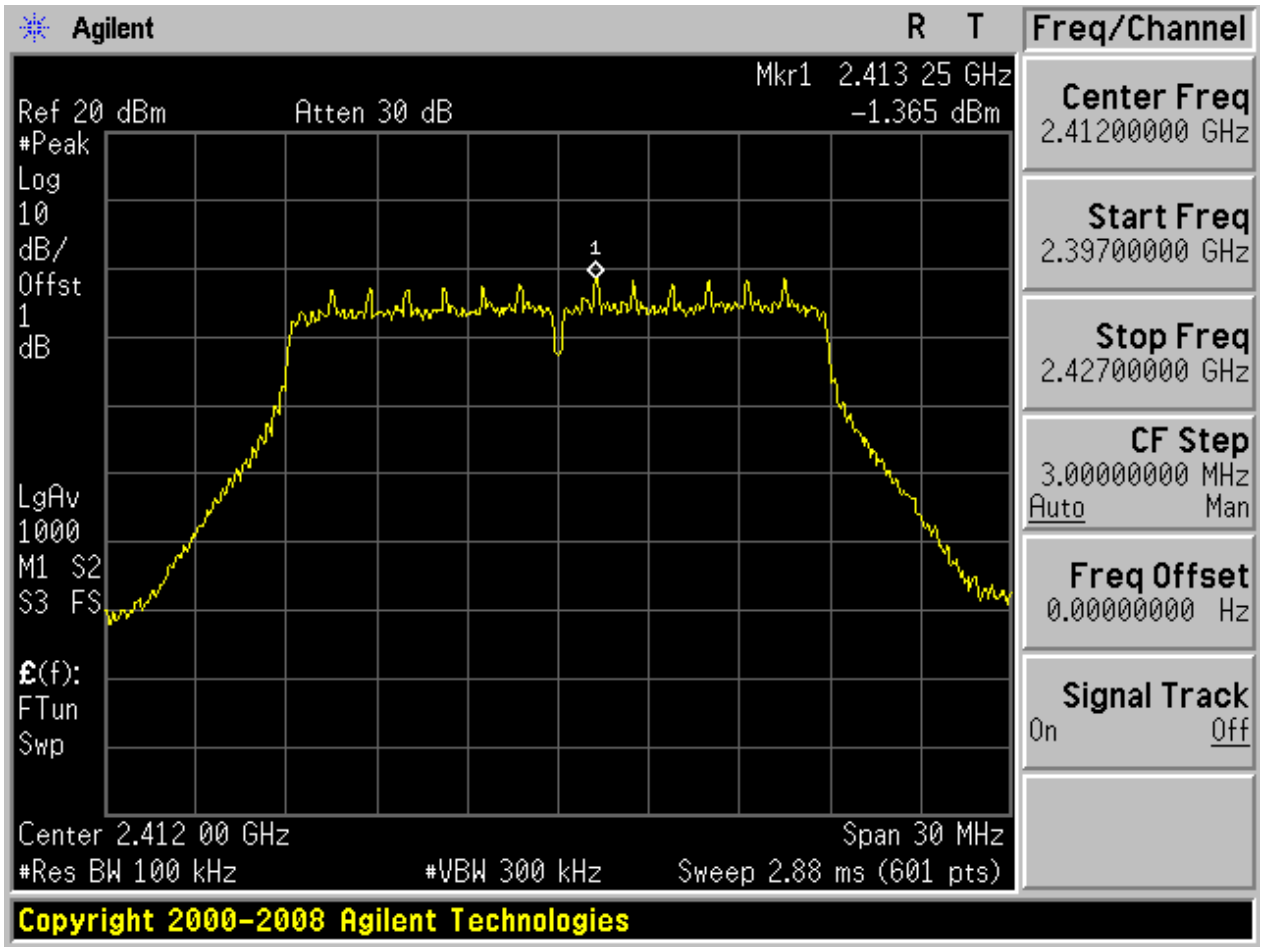
2.14 11N20_L@Ant 2

Pref:



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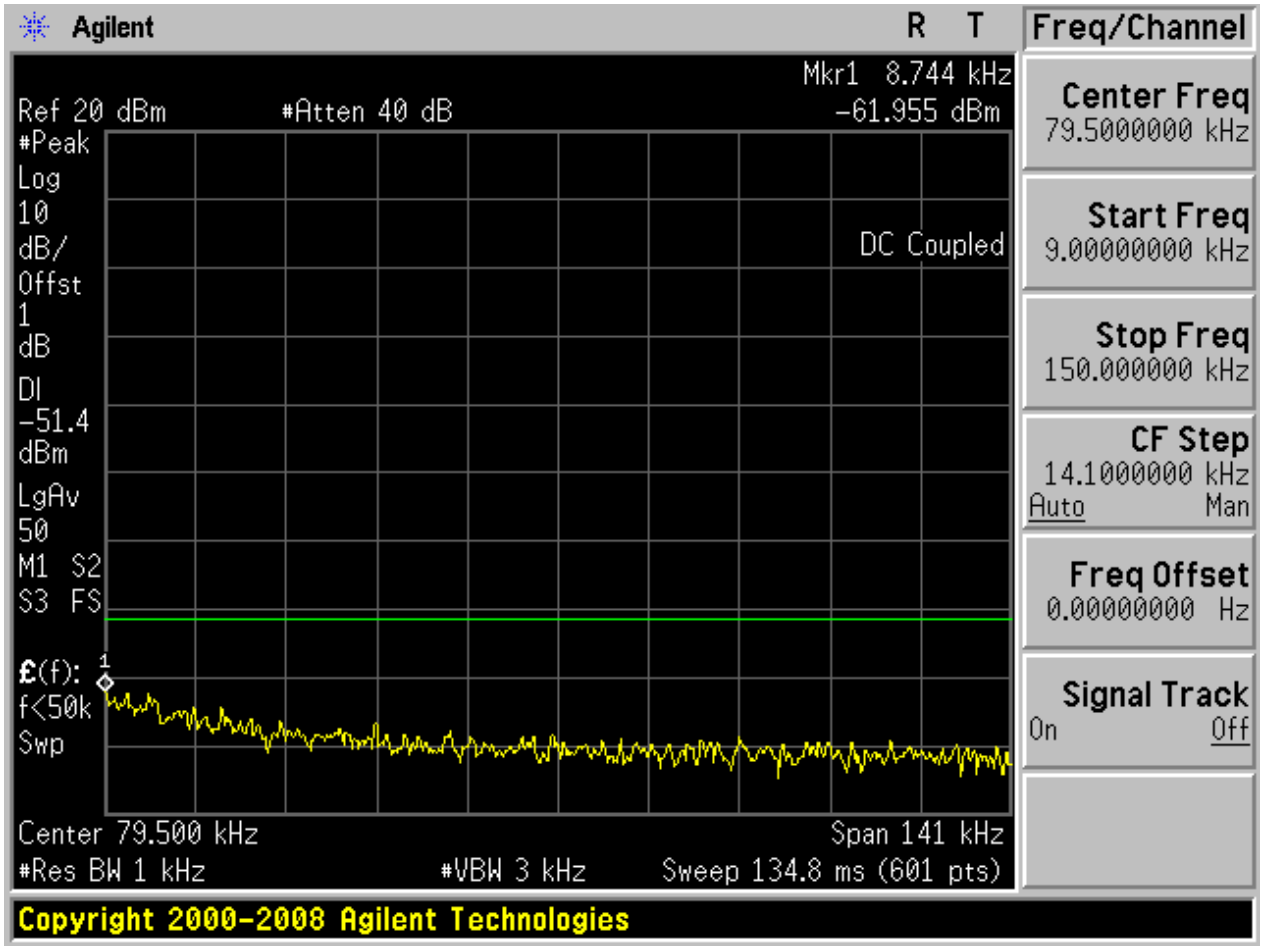
Puw:



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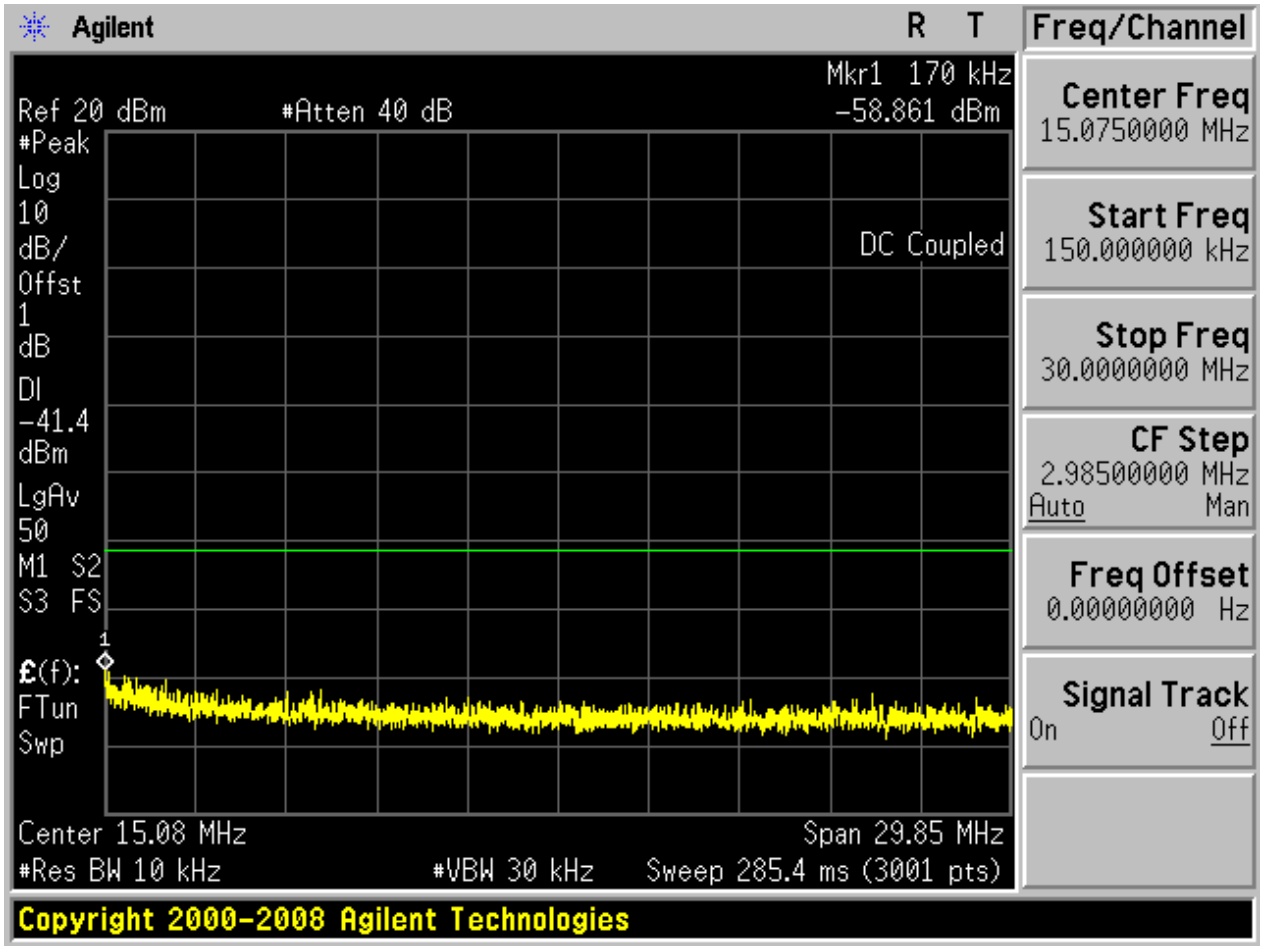
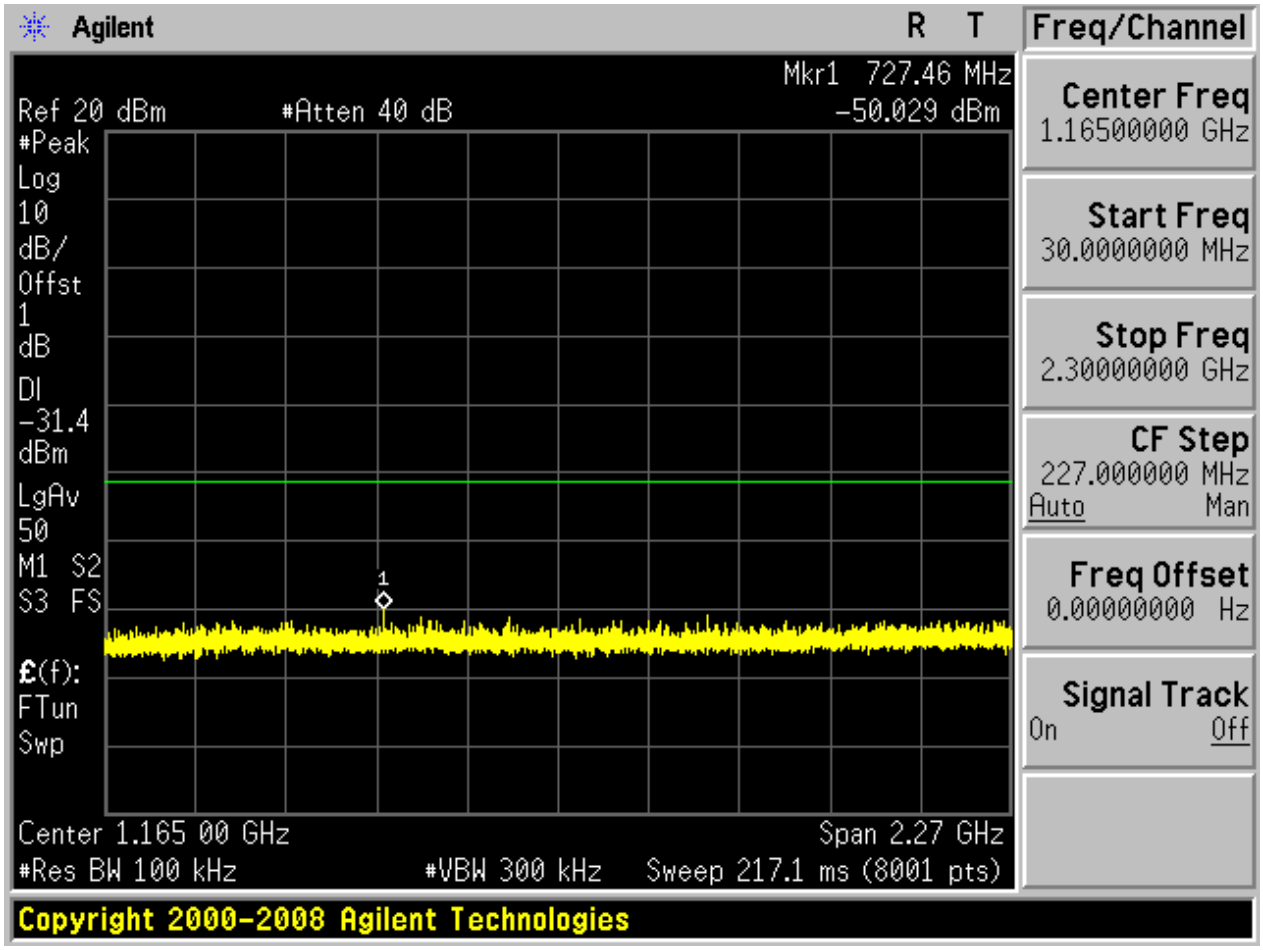

Agilent
R T
Freq/Channel
Mkr1 170 kHz
Ref 20 dBm
#Atten 40 dB
-58.861 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-41.4
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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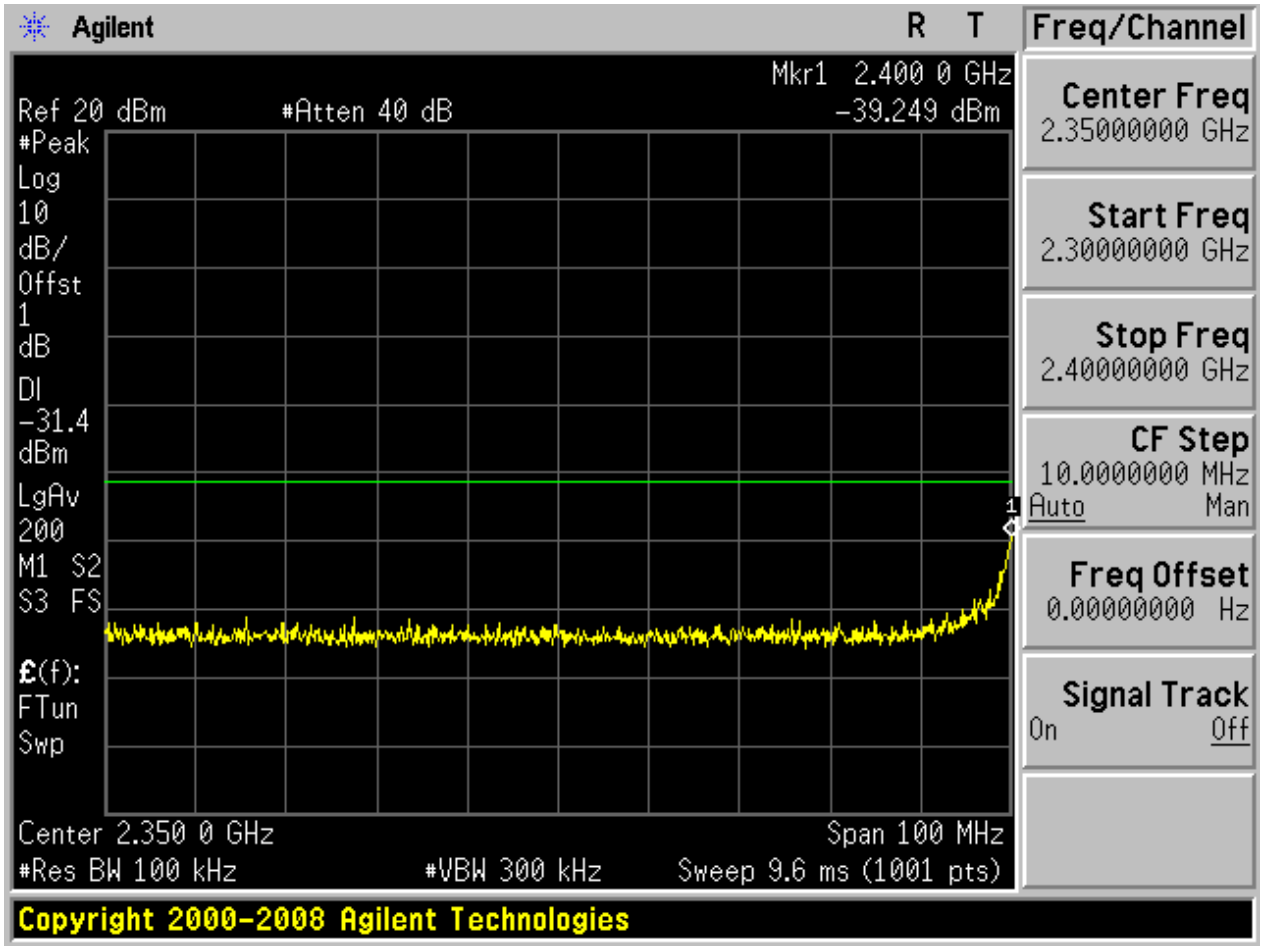

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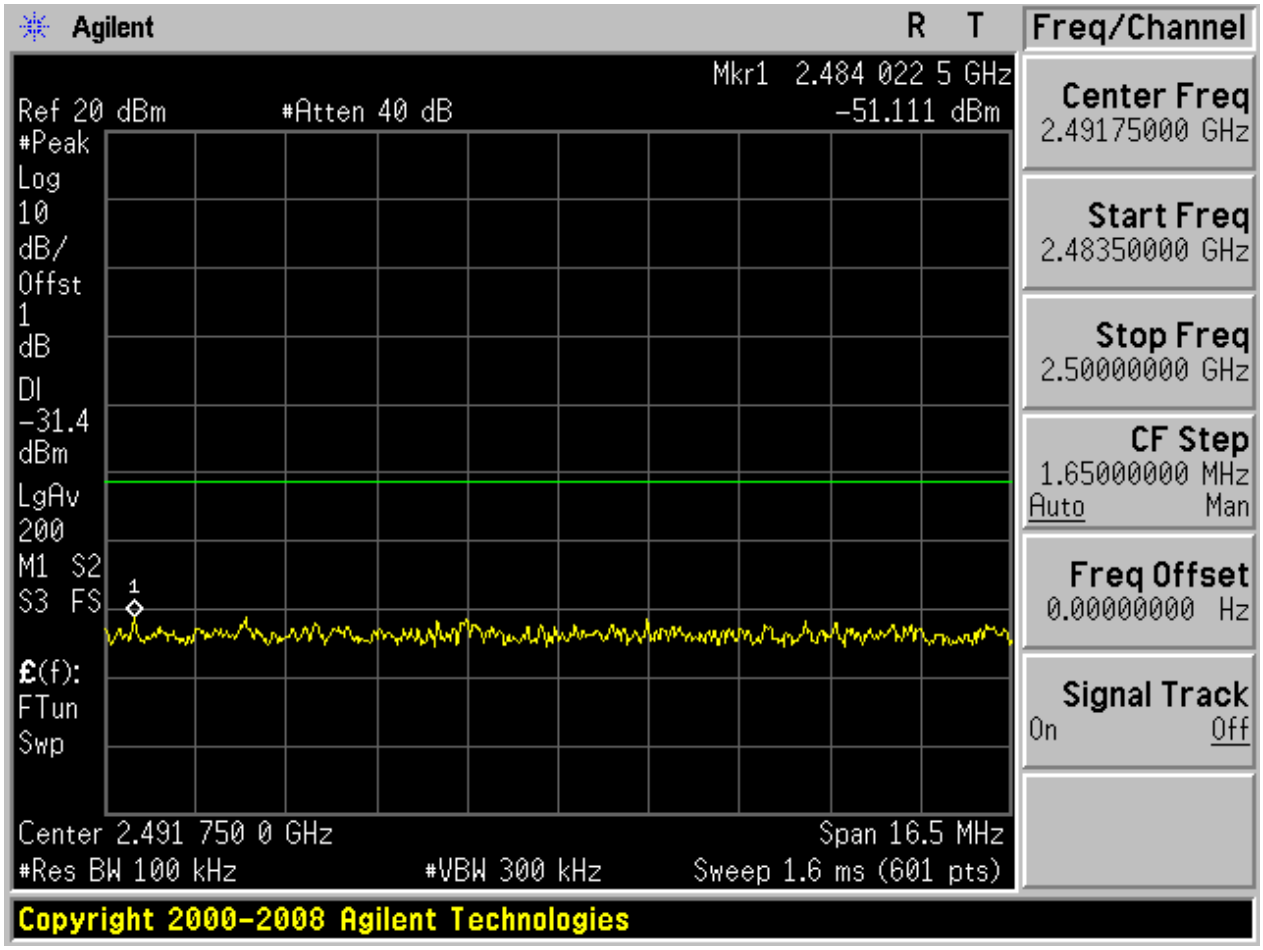

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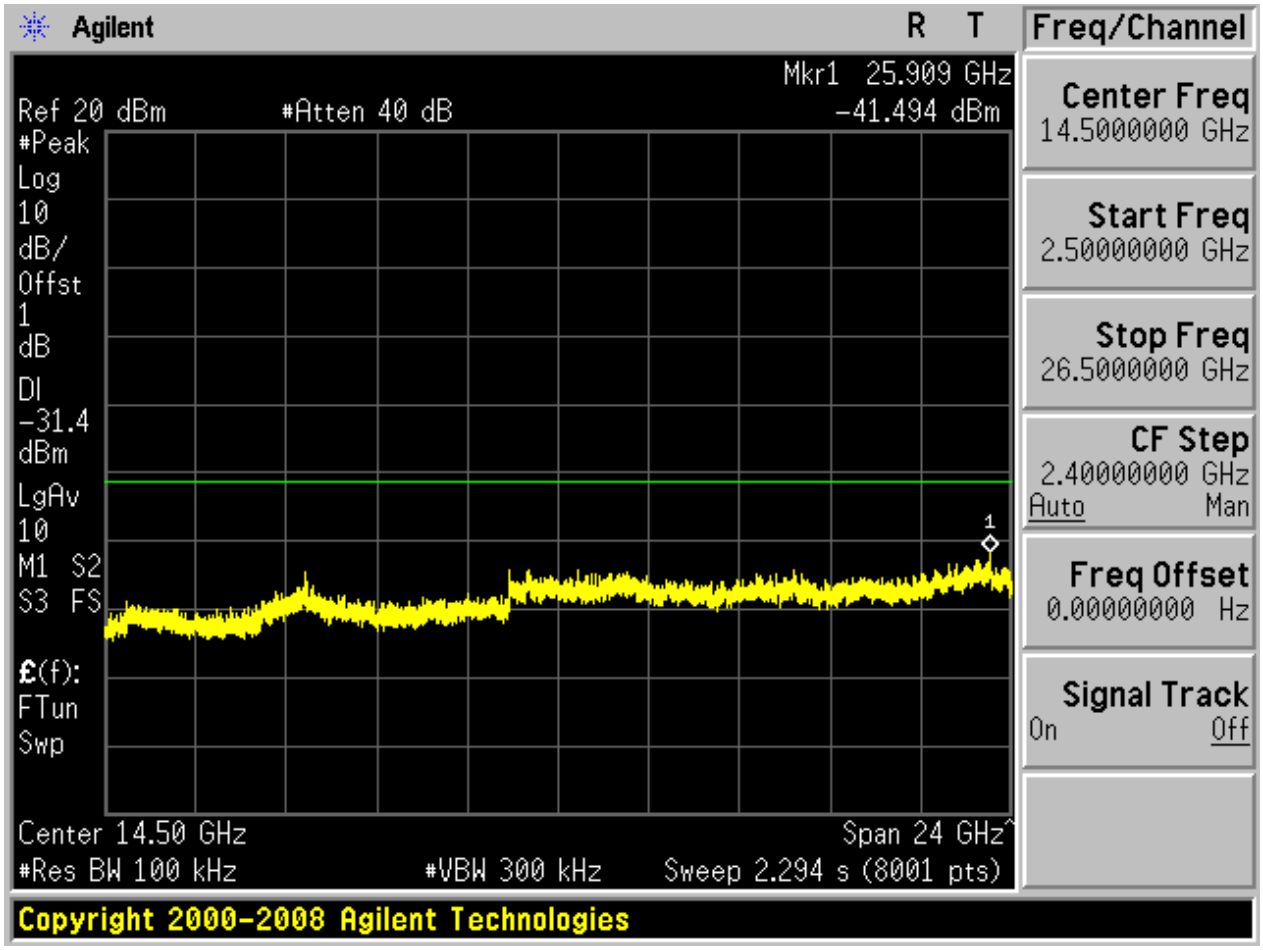

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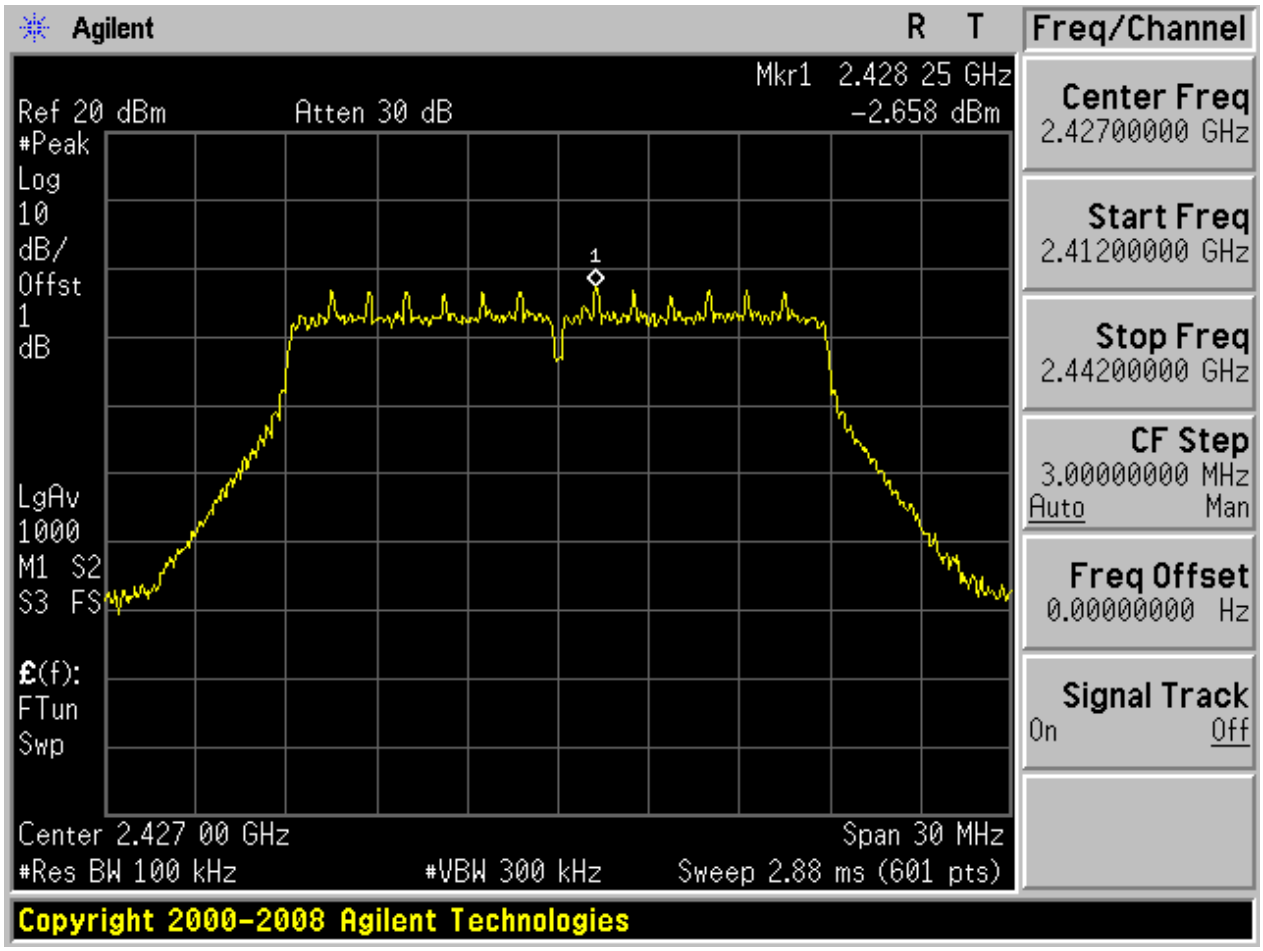
2.15 11N20_M@Ant 1

Pref:



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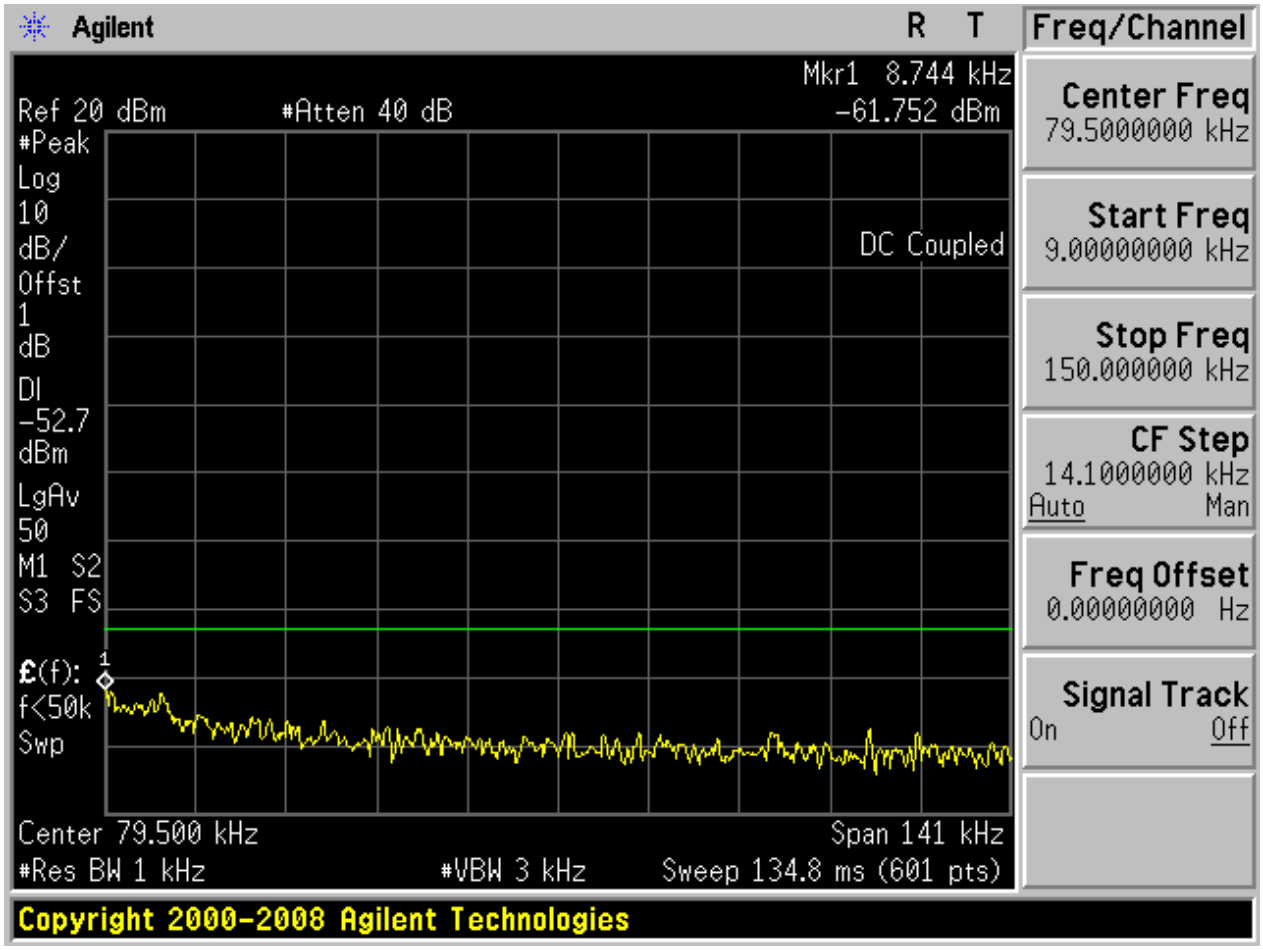
Puw:



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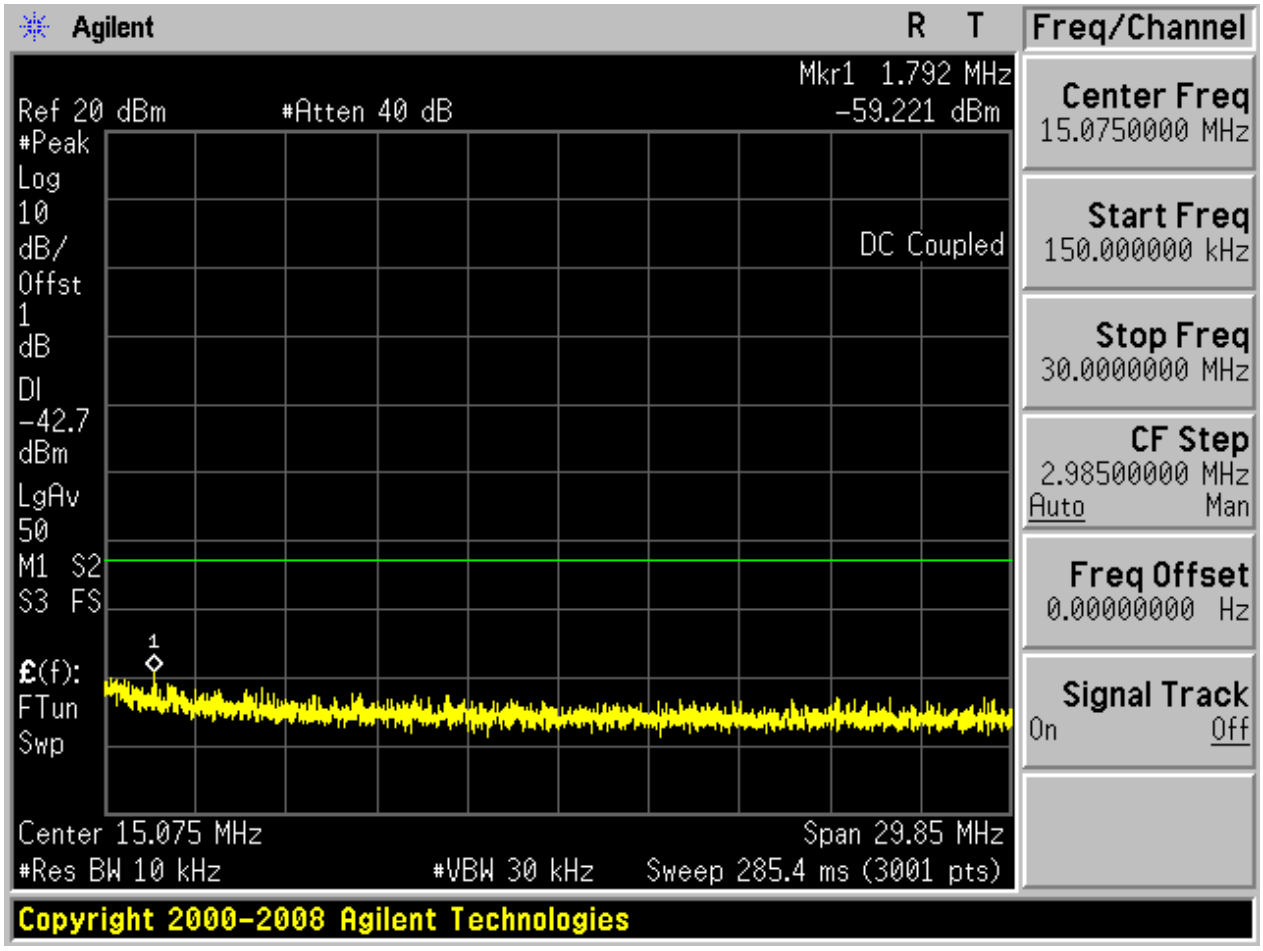

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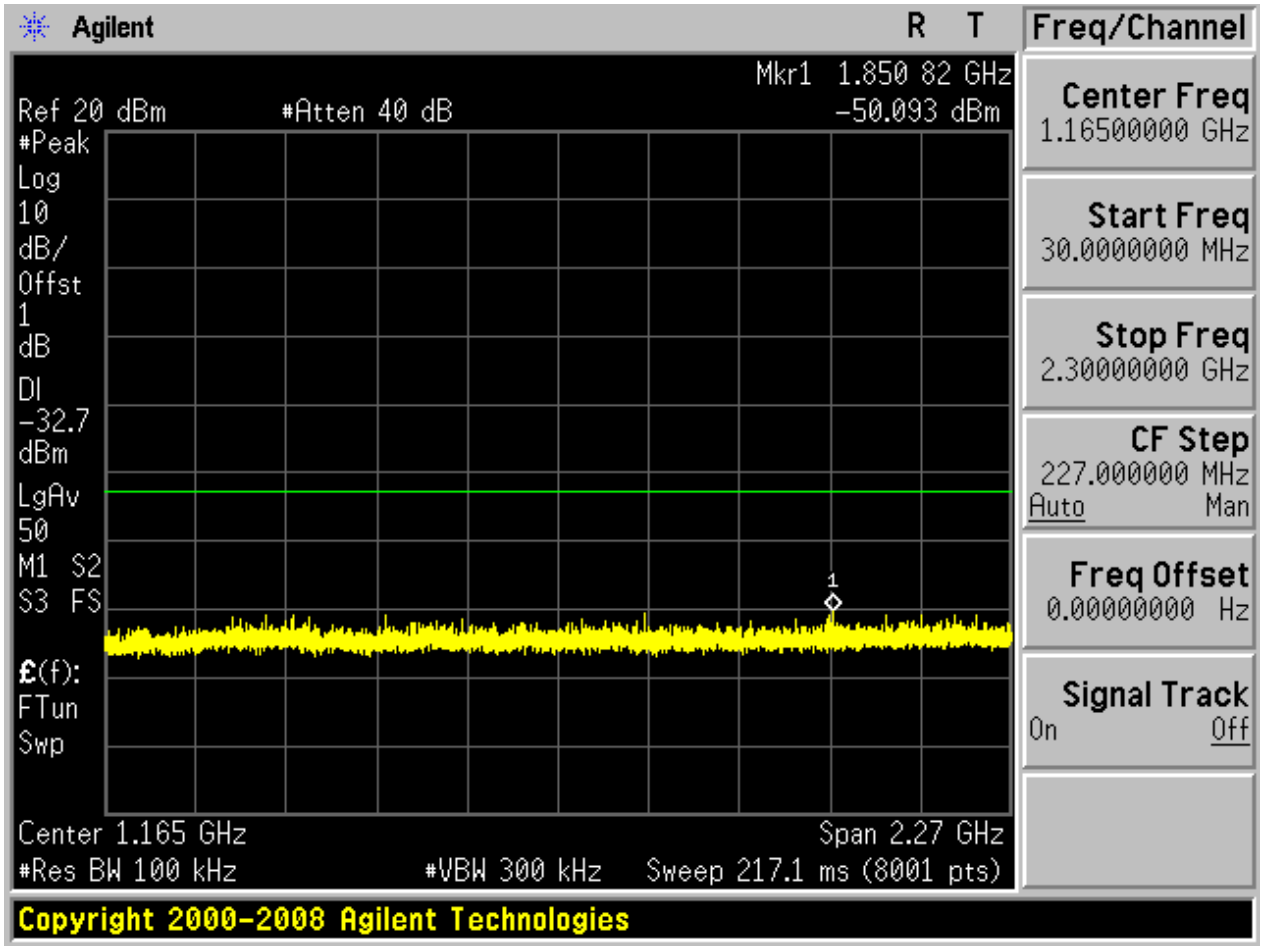
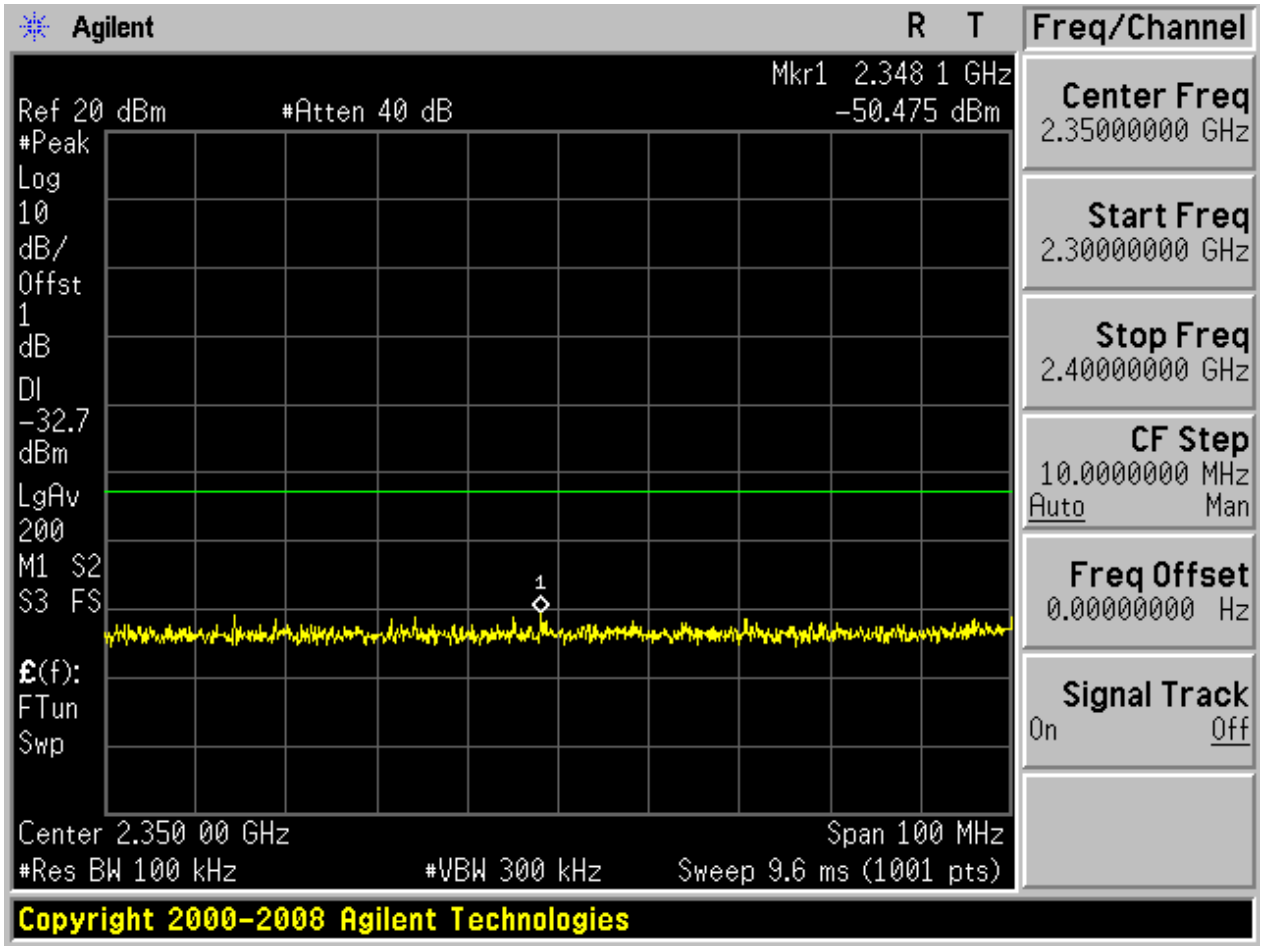

Agilent
R T
Freq/Channel
Mkr1 1.850 82 GHz
Ref 20 dBm
#Atten 40 dB
-50.093 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-32.7
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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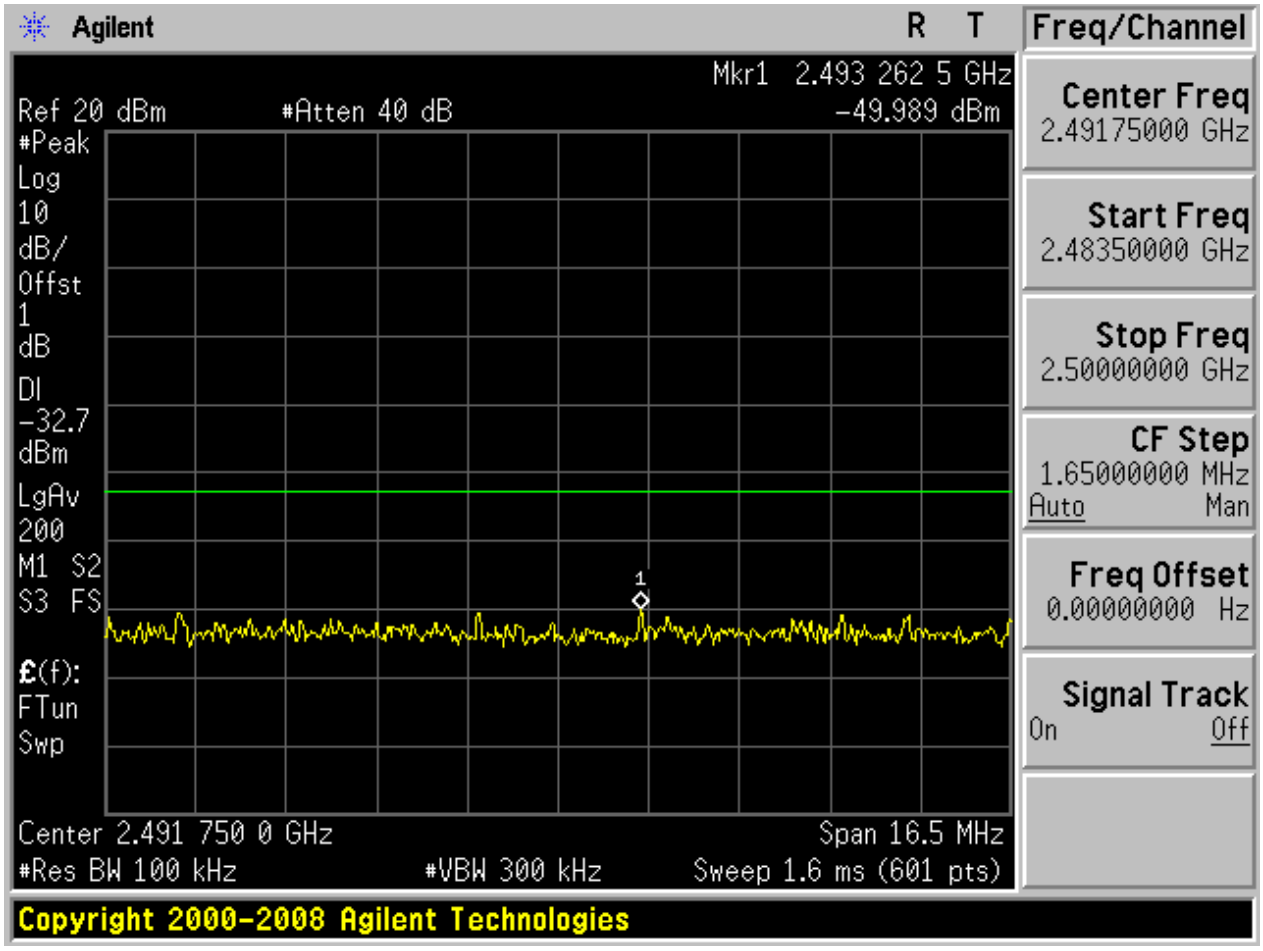
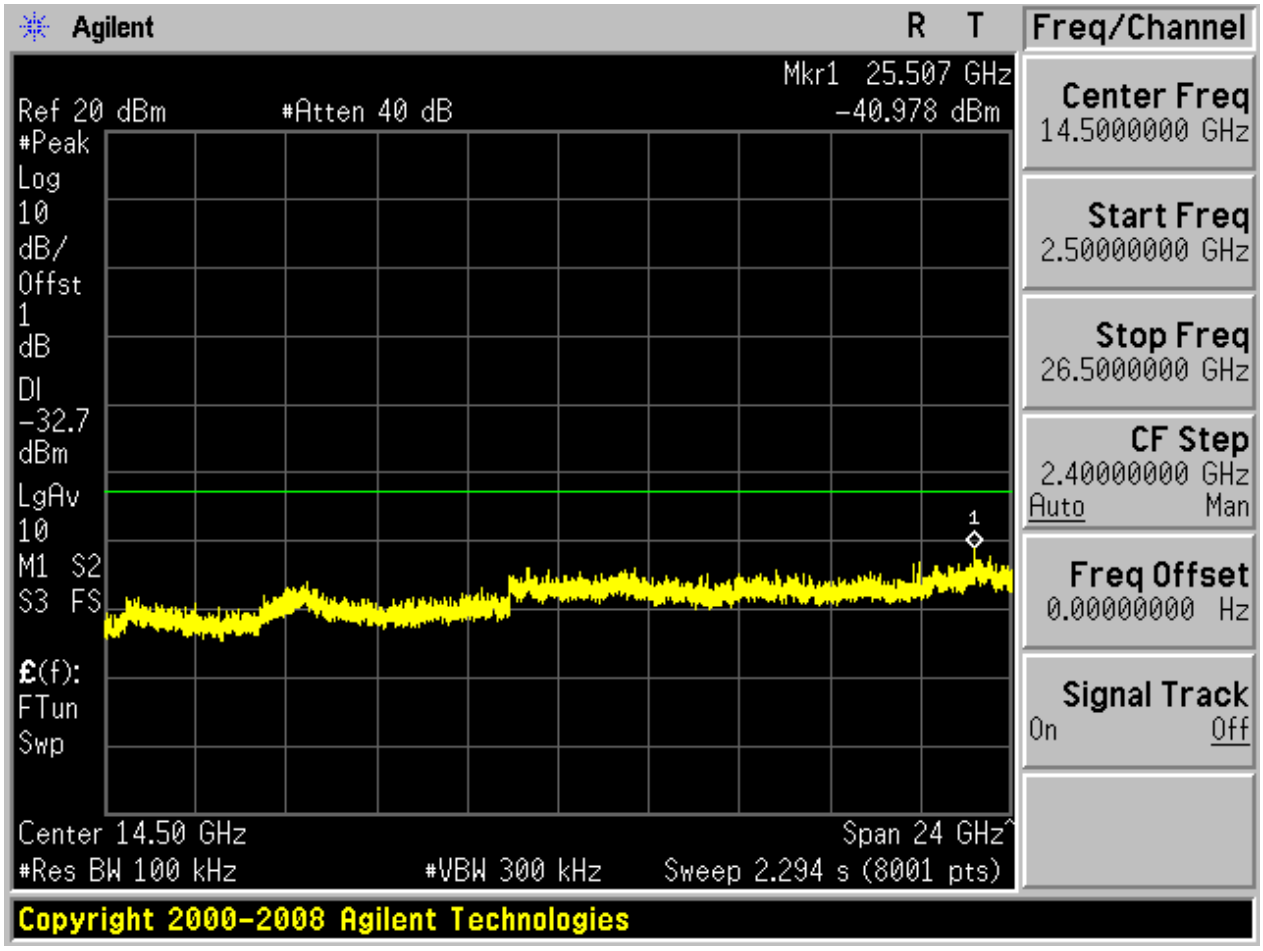

Agilent
R T
Freq/Channel
Mkr1 2.493 262 5 GHz
Ref 20 dBm
#Atten 40 dB
-49.989 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-32.7
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Copyright 2000-2008 Agilent Technologies



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2.16 11N20_M@Ant 2

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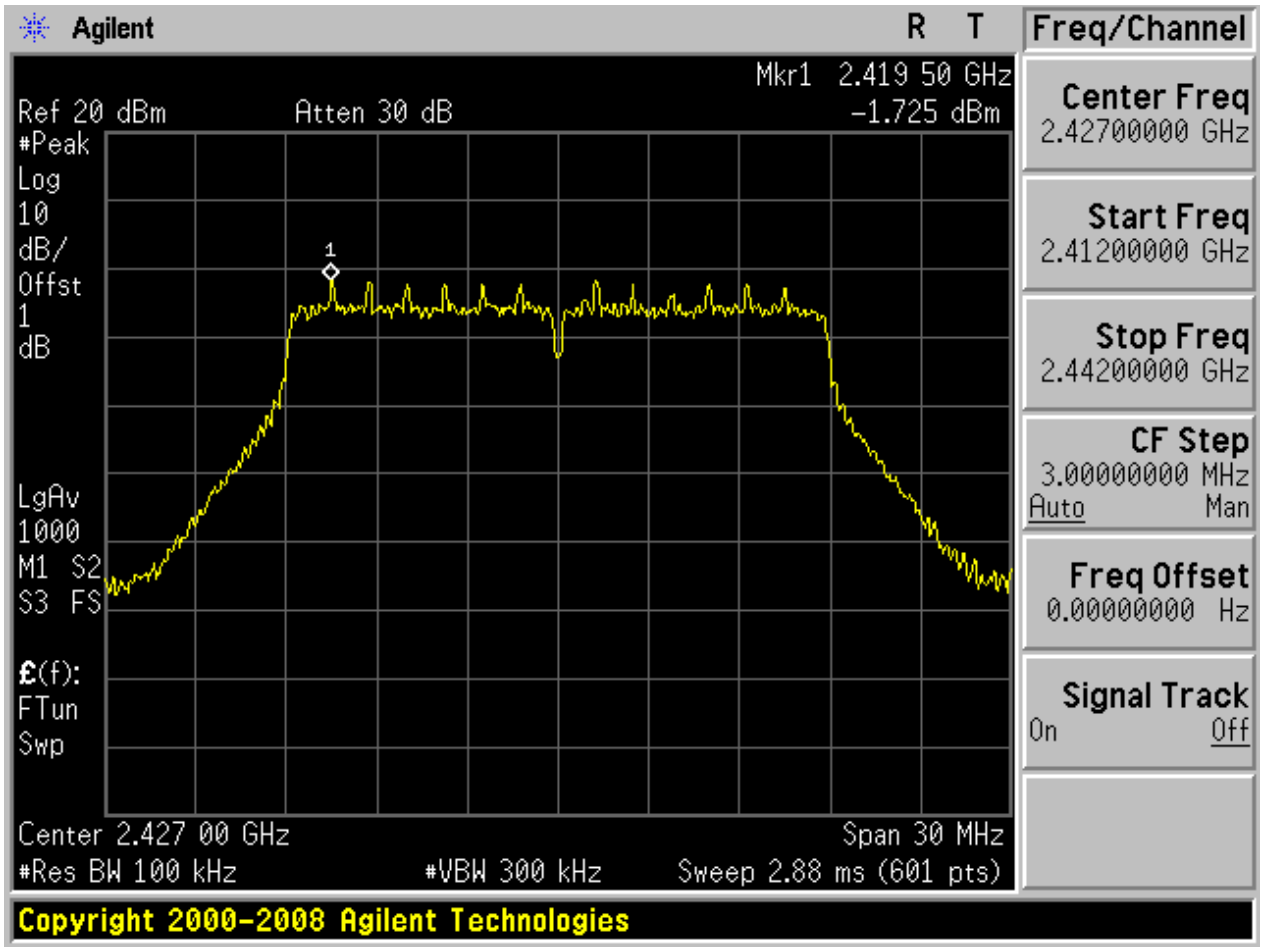

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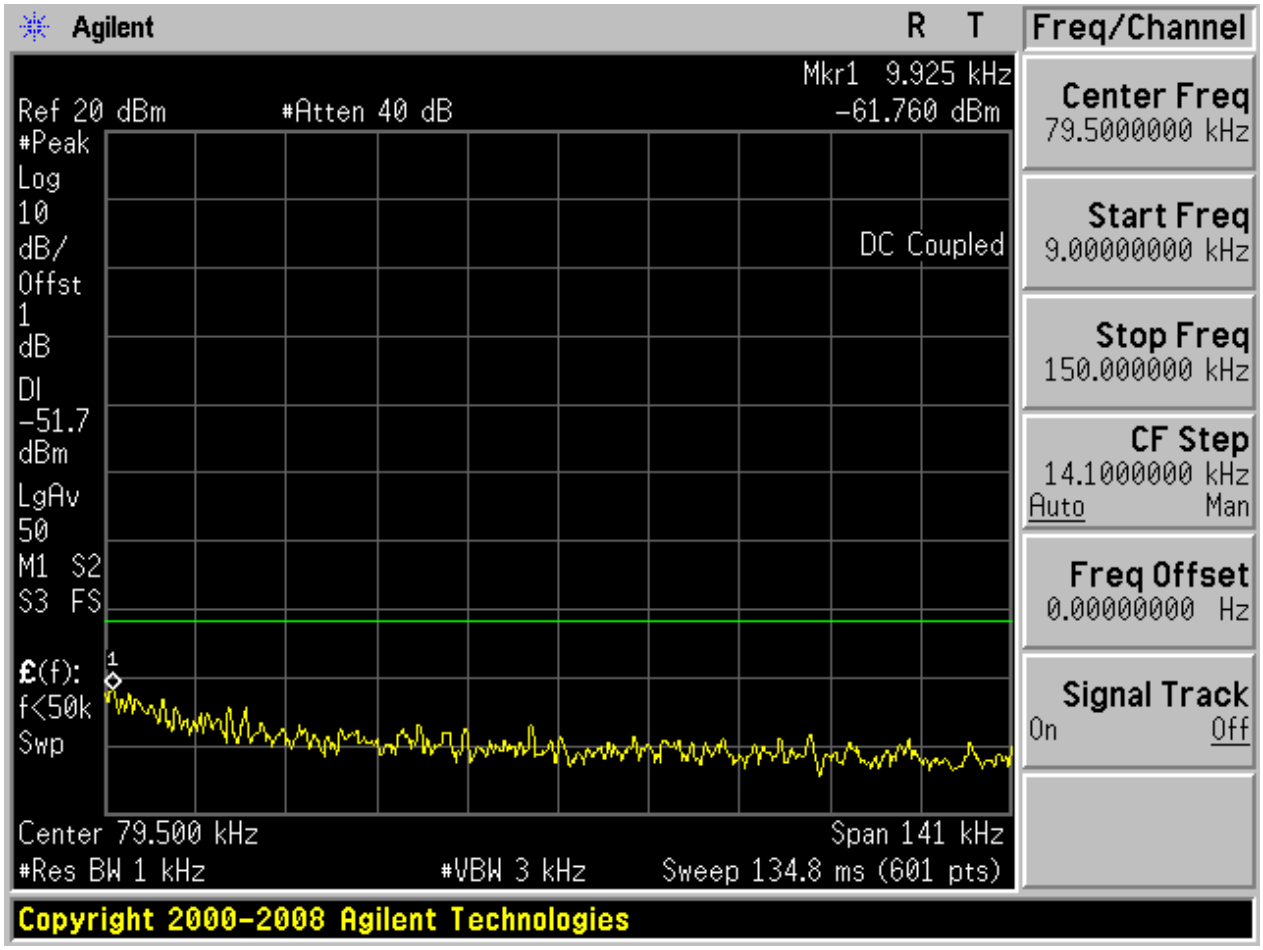

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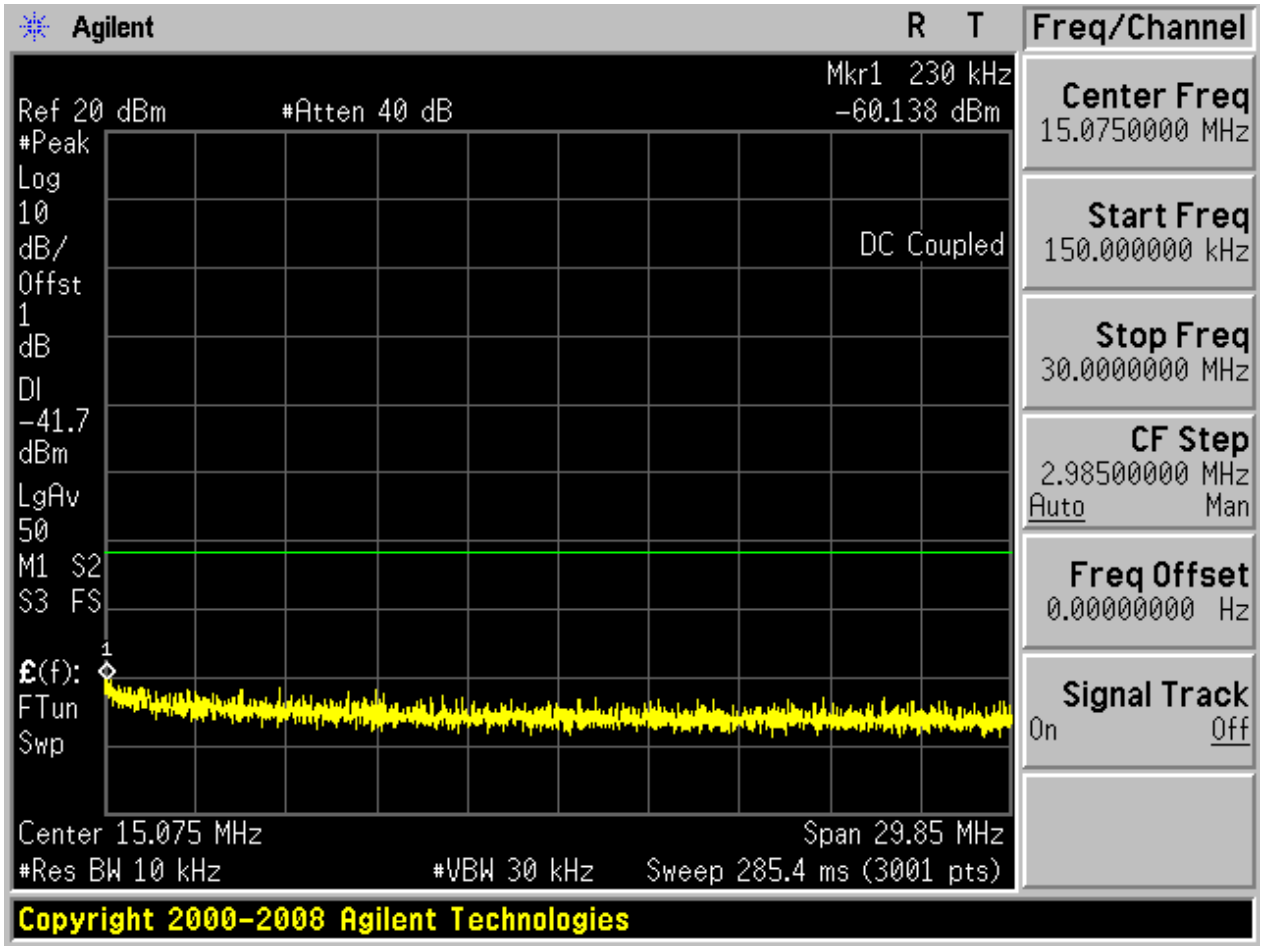

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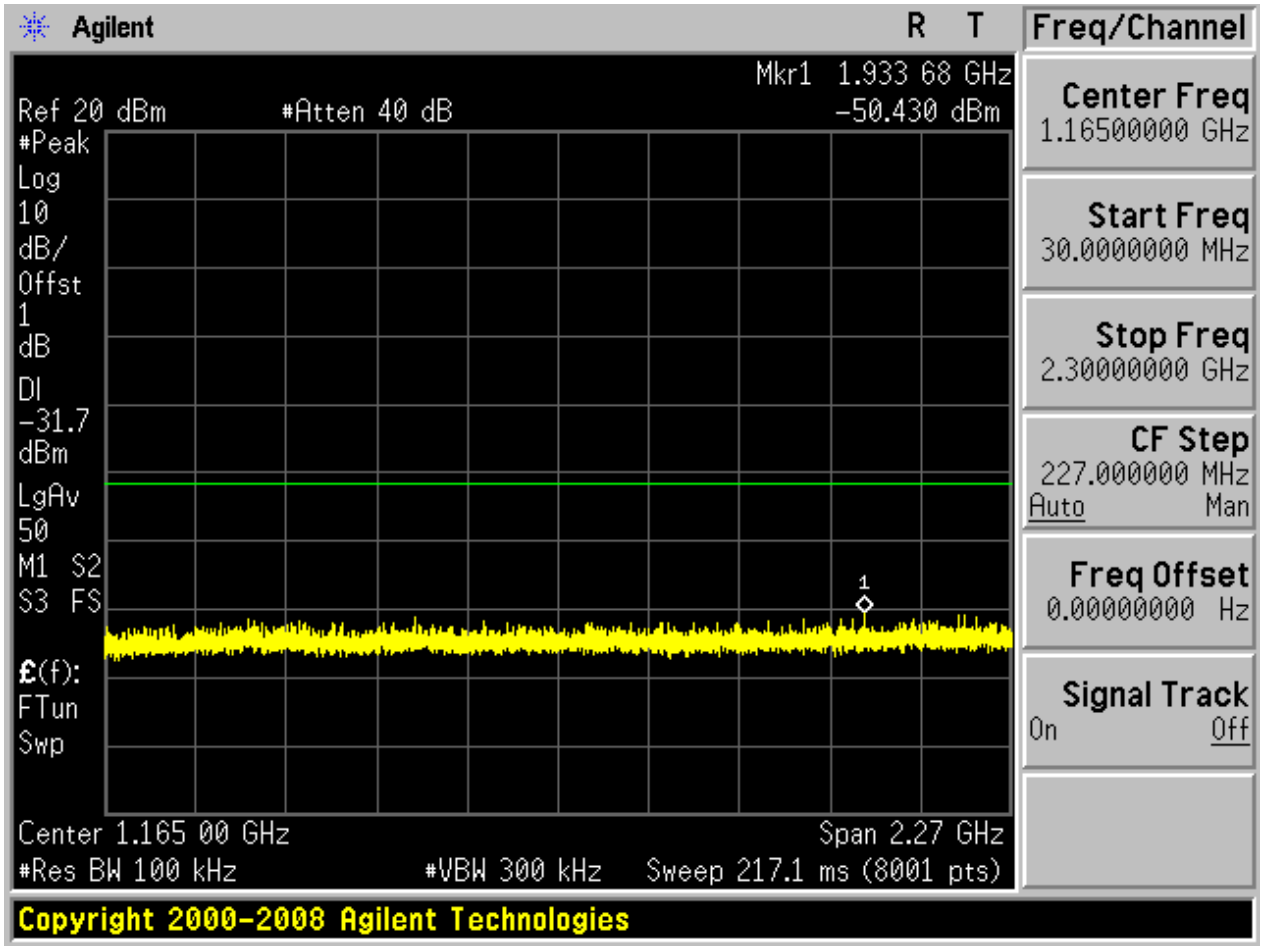
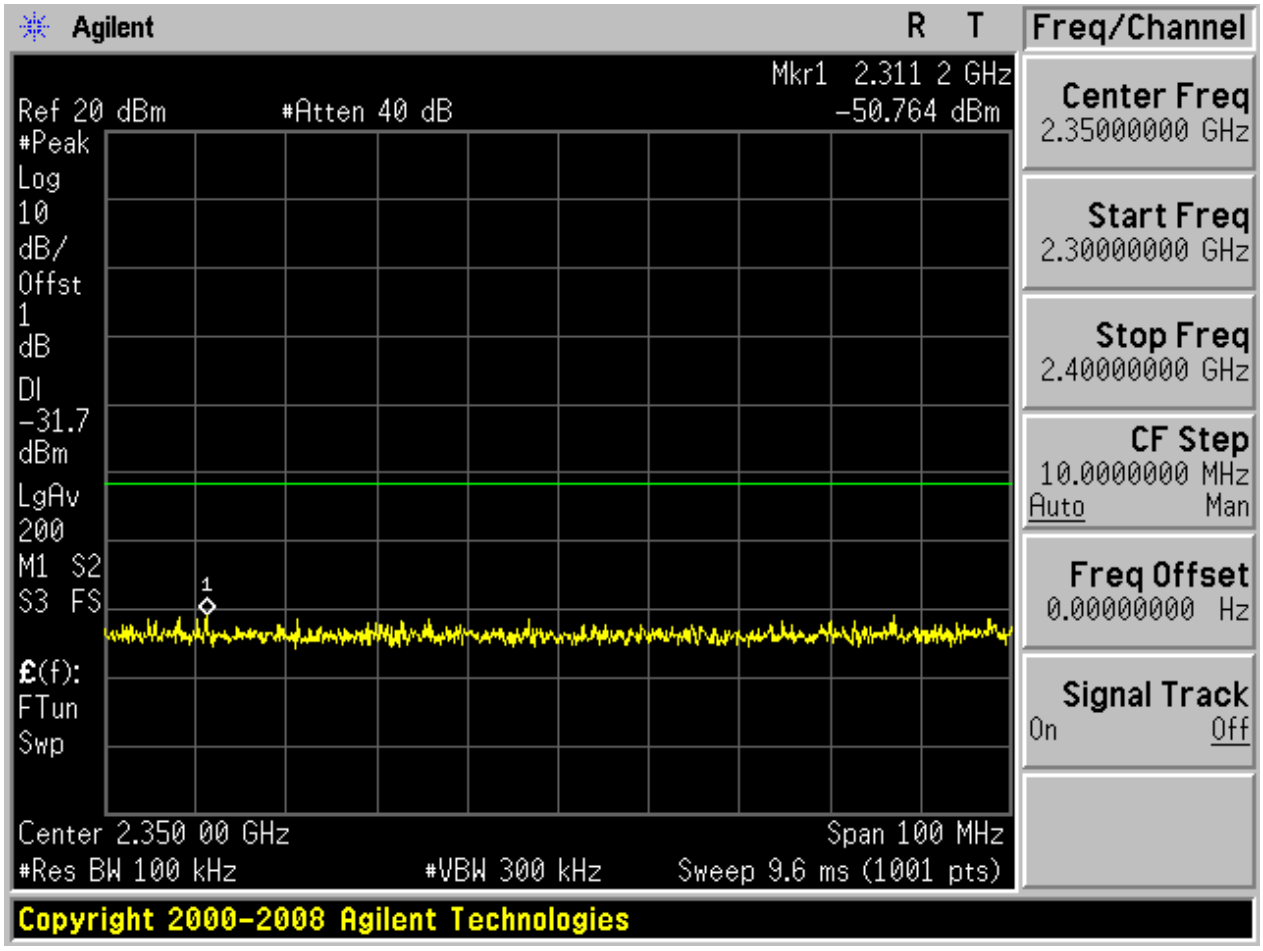

Agilent
R T
Freq/Channel
Mkr1 1.933 68 GHz
Ref 20 dBm
#Atten 40 dB
-50.430 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-31.7
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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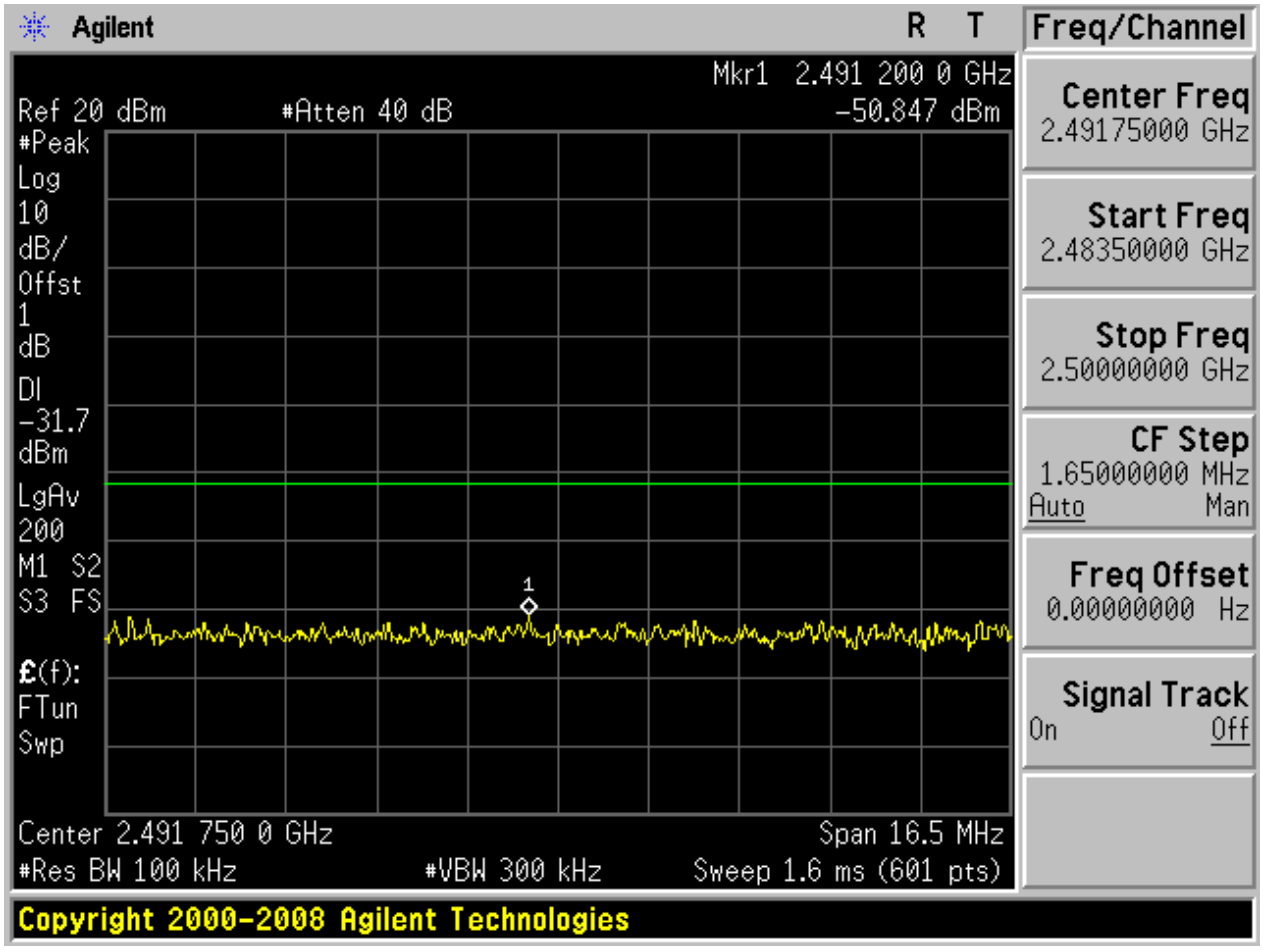

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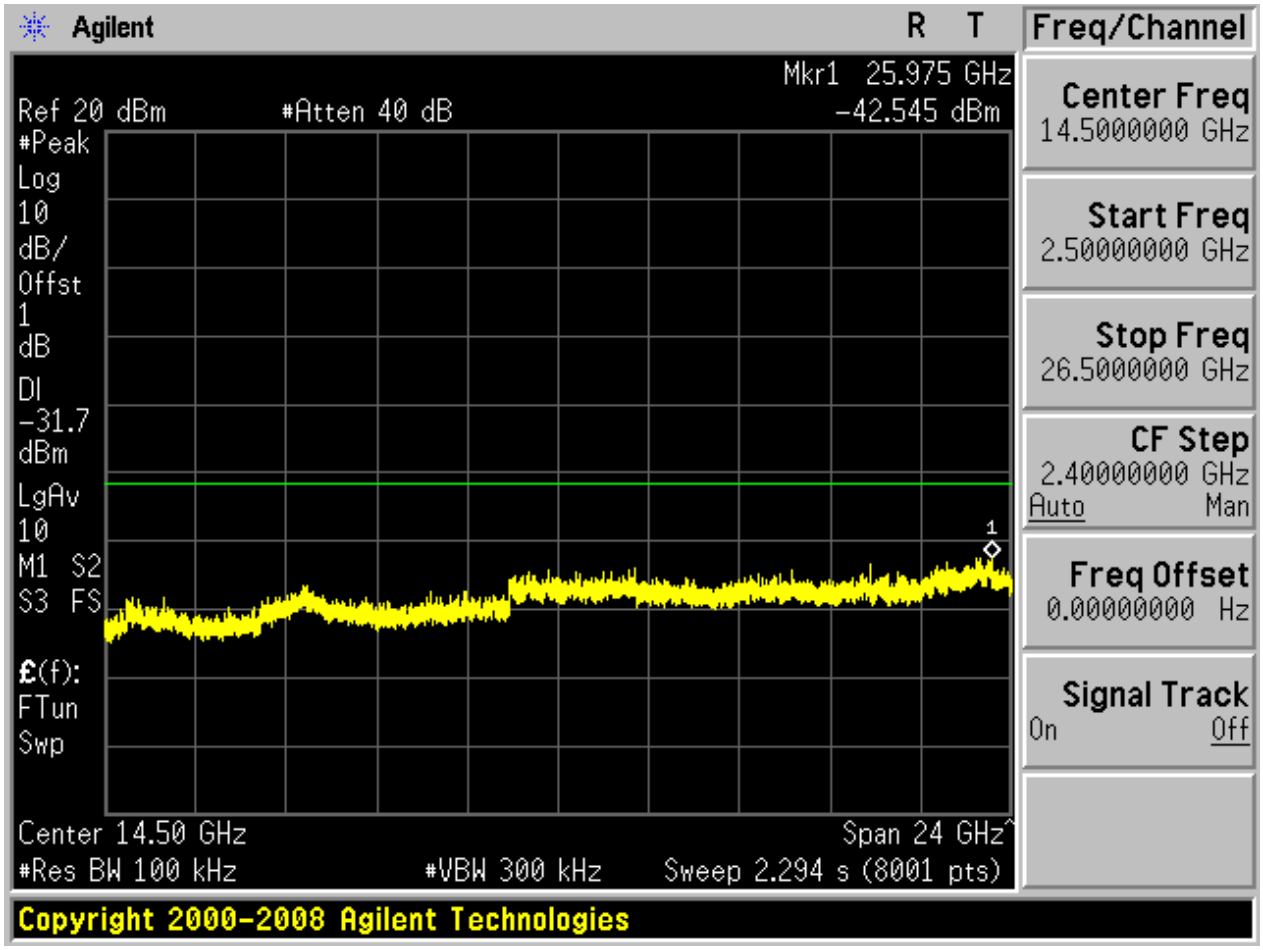

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2.17 11N20_H@Ant 1

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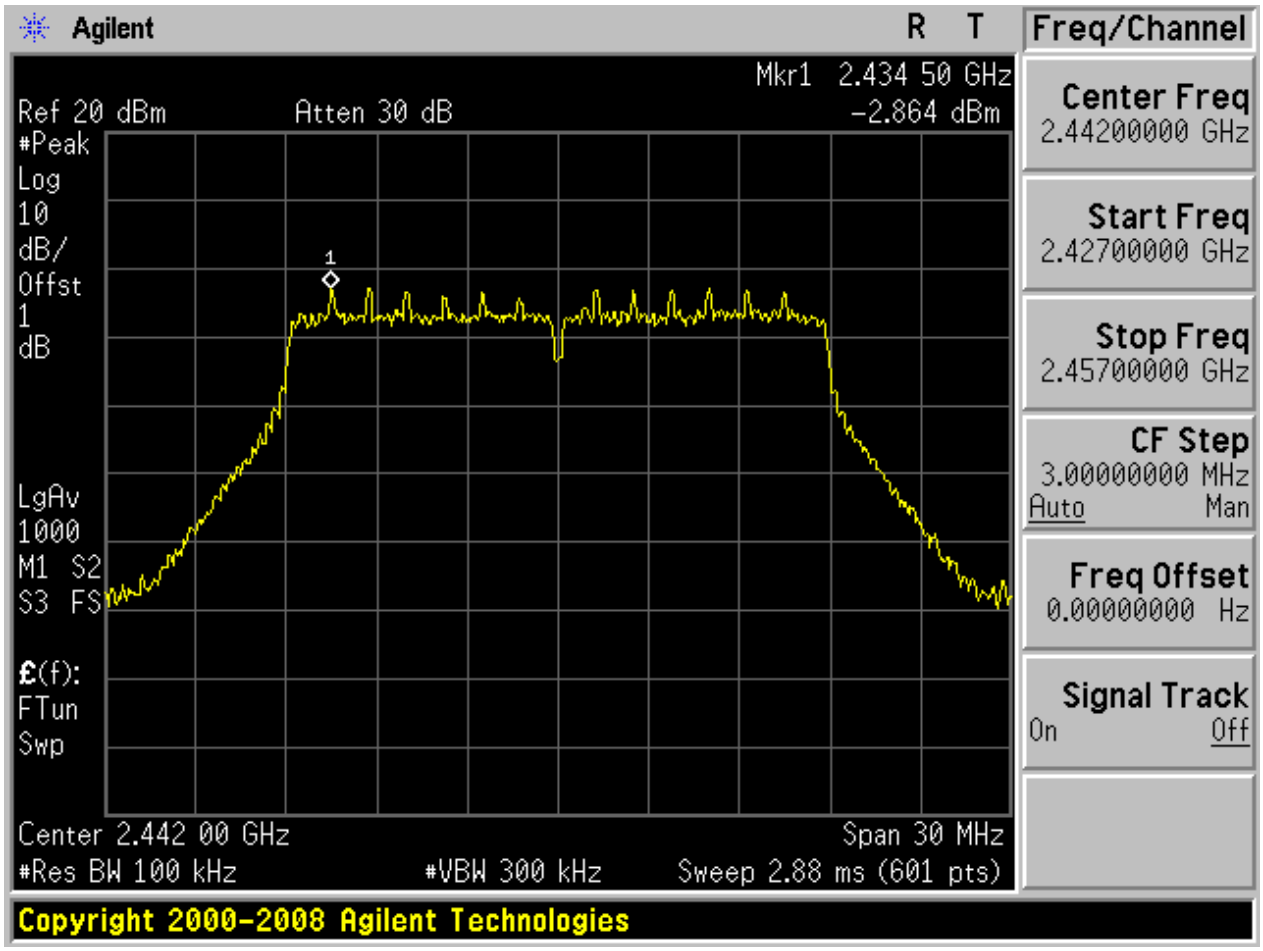

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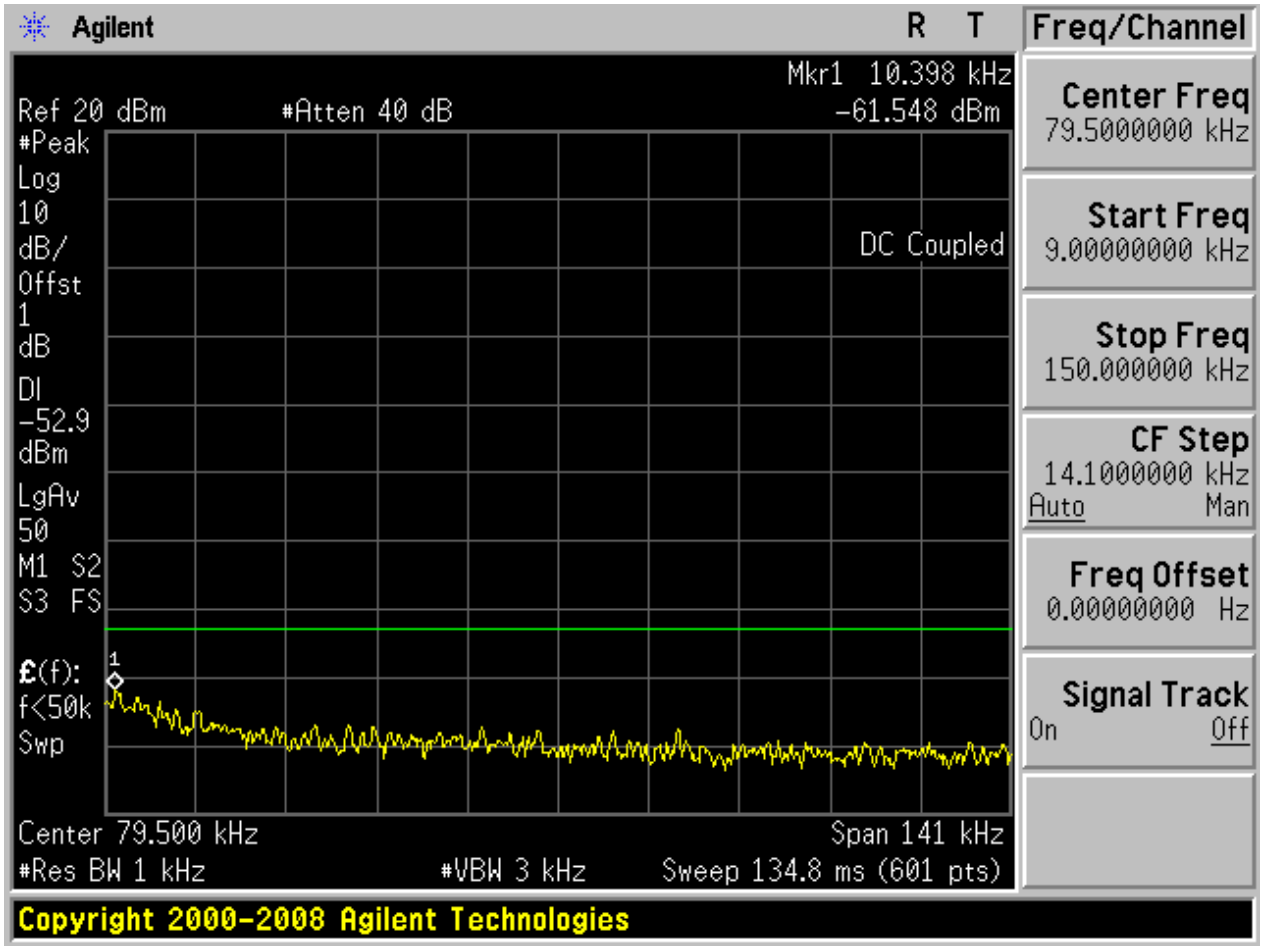
Puw:



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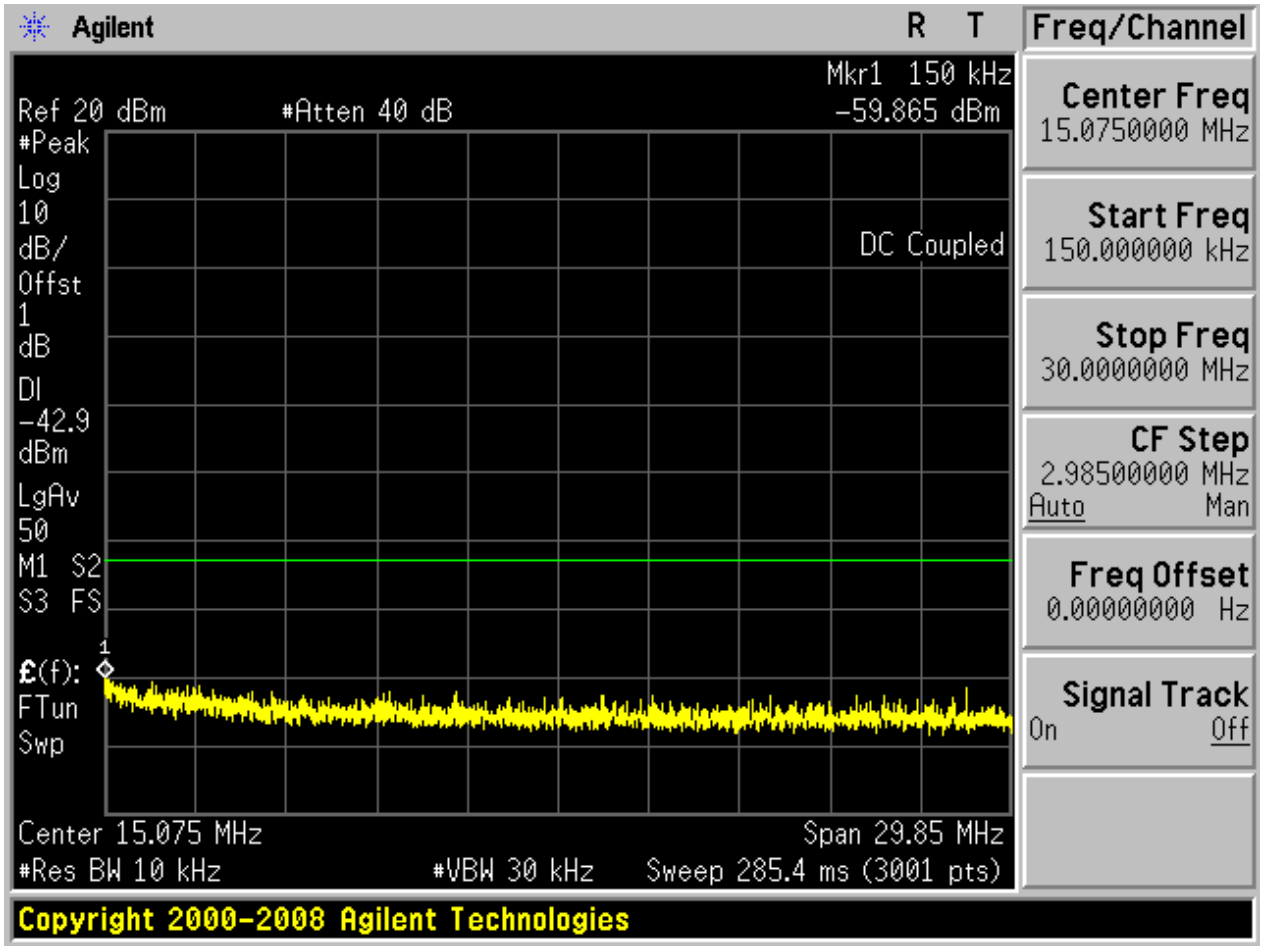
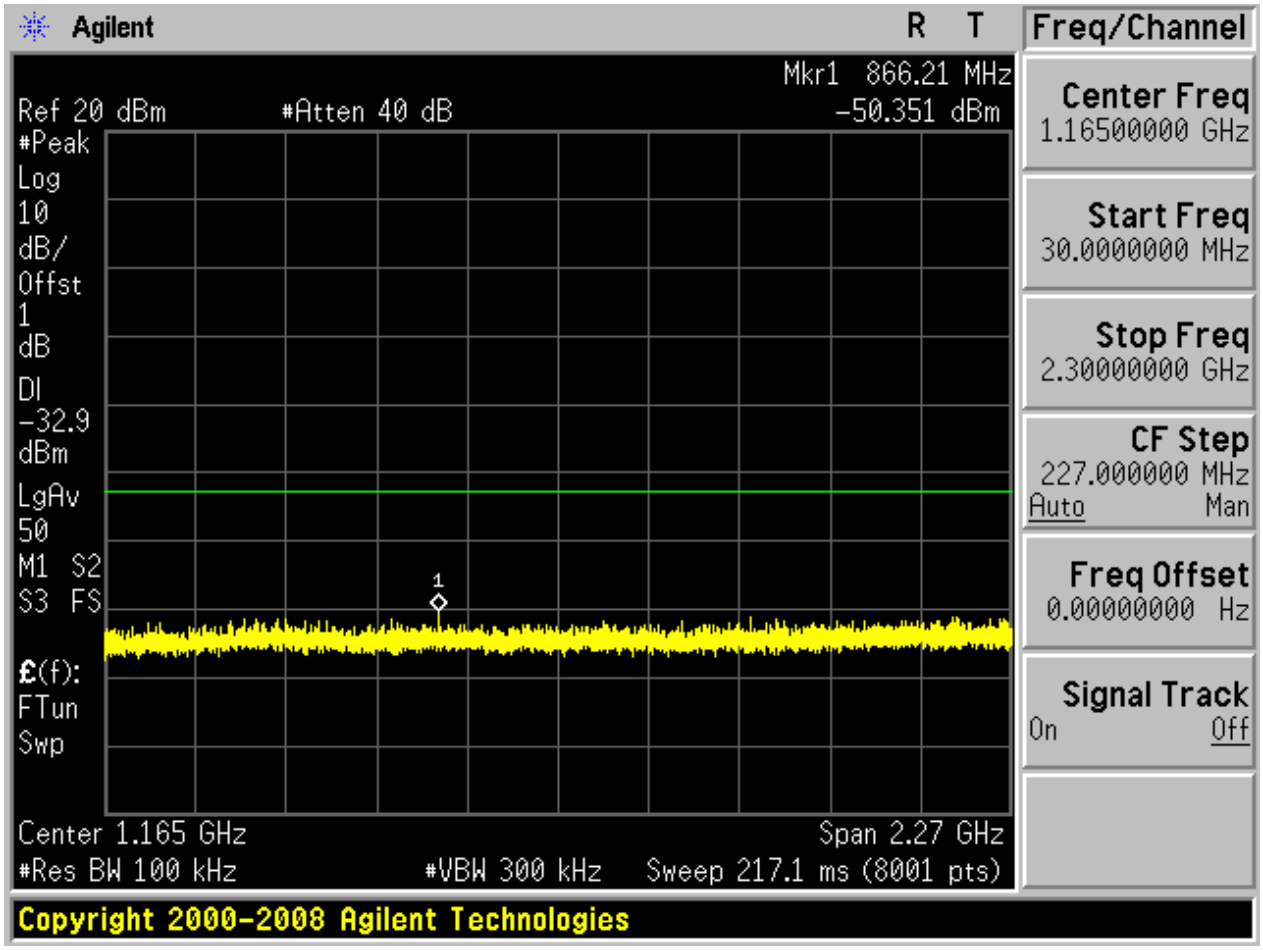
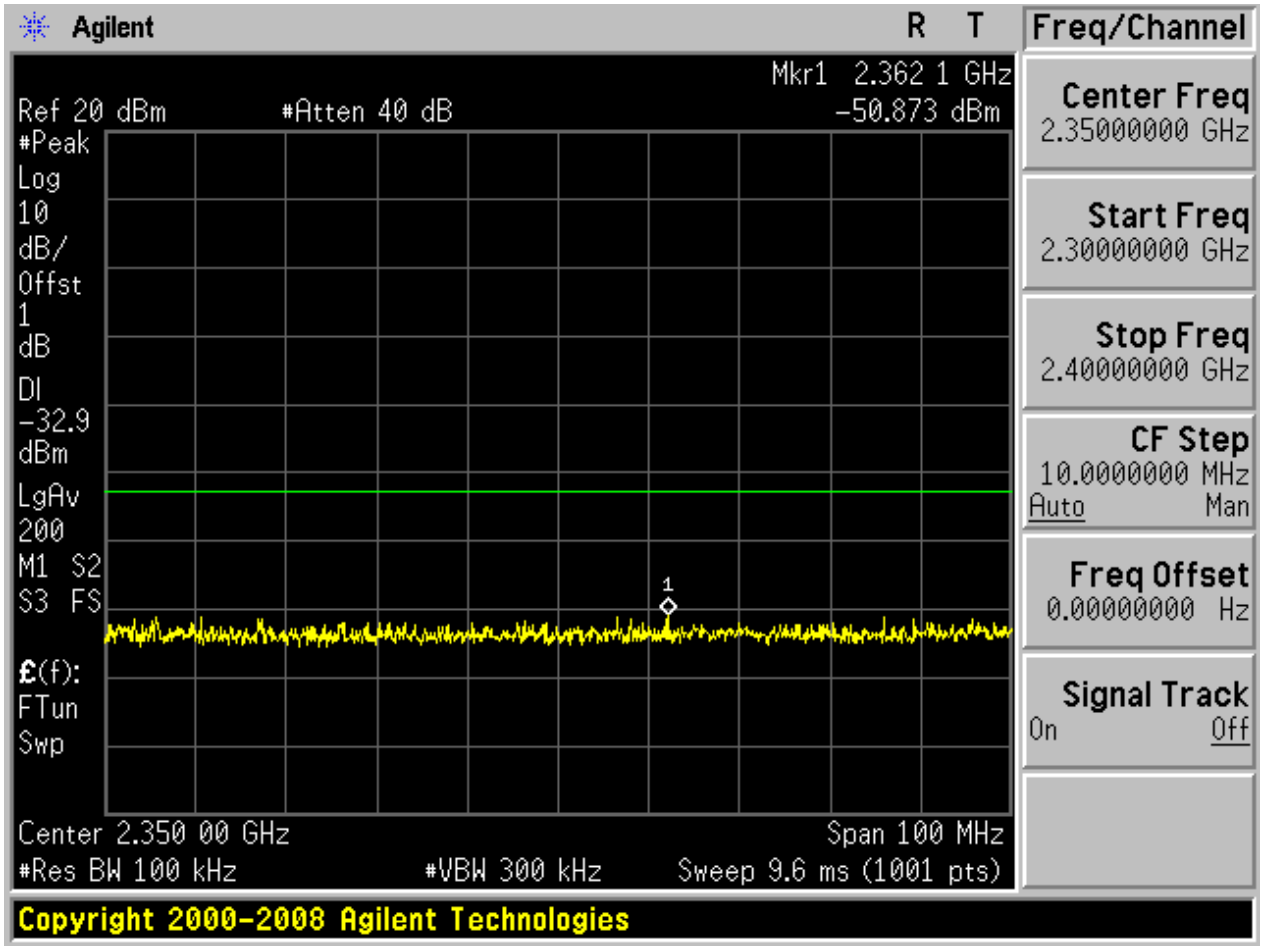

Agilent
R T
Freq/Channel
Mkr1 150 kHz
Ref 20 dBm
#Atten 40 dB
-59.865 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-42.9
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 866.21 MHz
Ref 20 dBm
#Atten 40 dB
-50.351 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-32.9
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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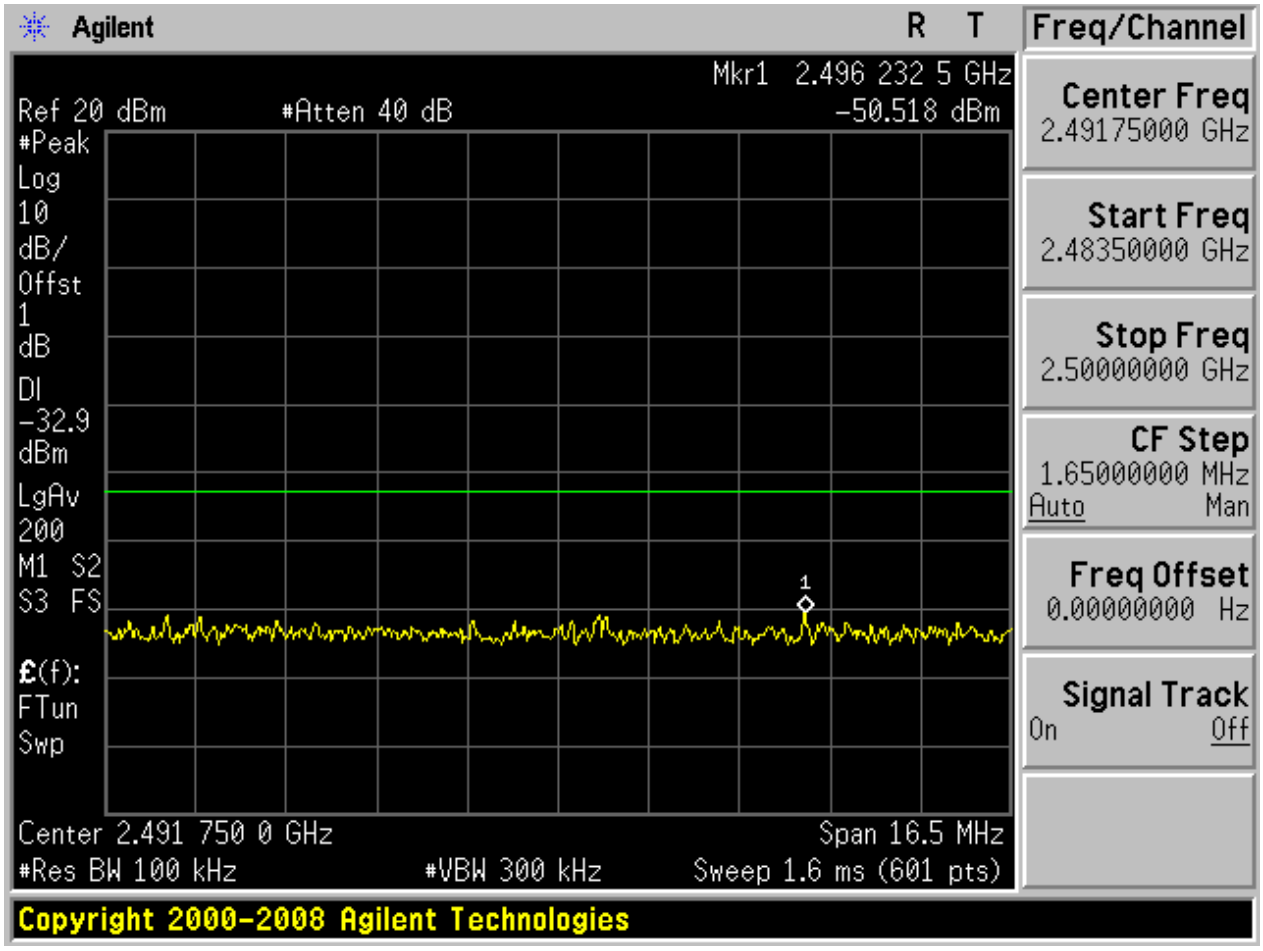
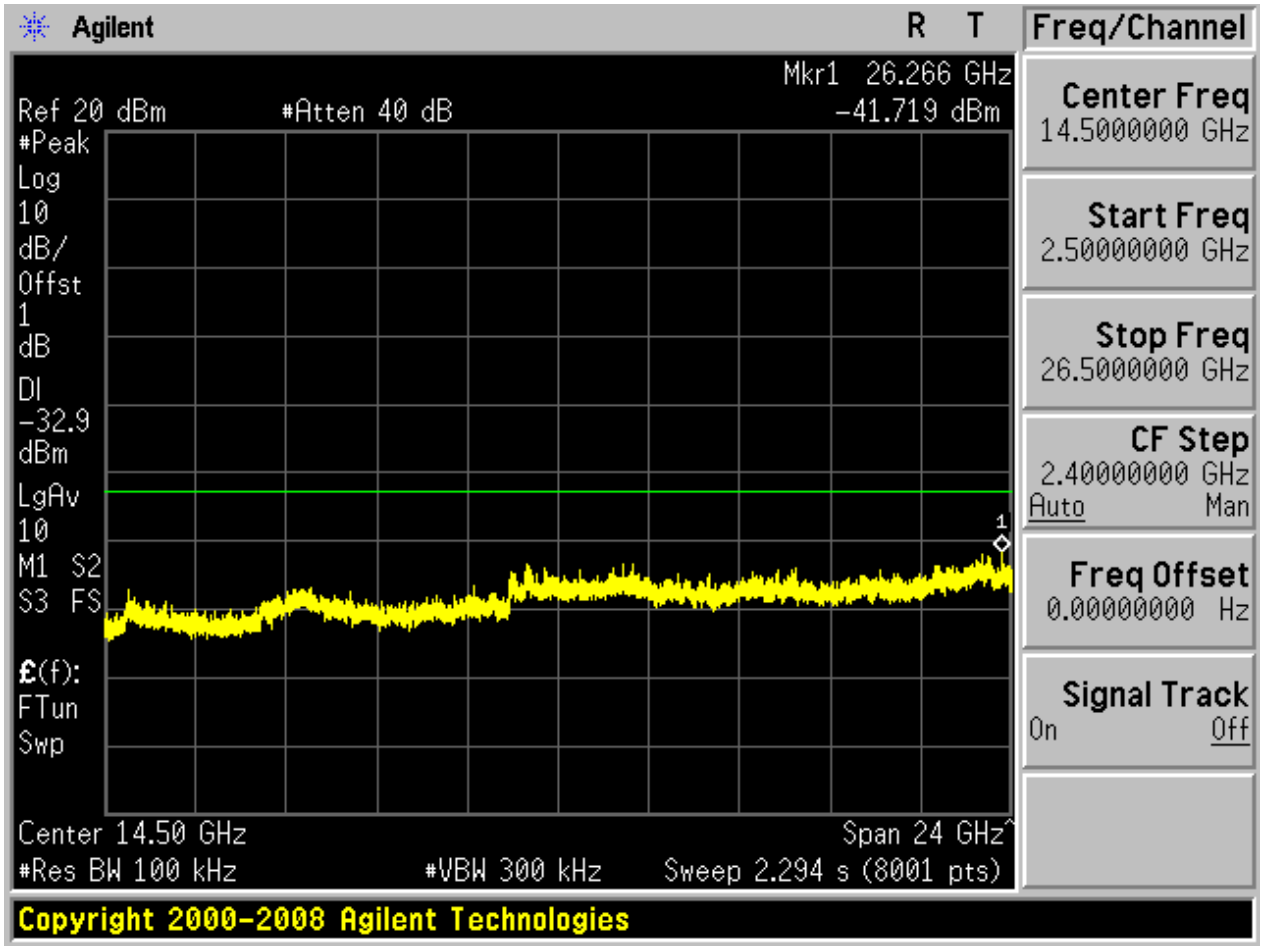

Agilent
R T
Freq/Channel
Mkr1 2.496 232 5 GHz
Ref 20 dBm
#Atten 40 dB
-50.518 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-32.9
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 26.266 GHz
Ref 20 dBm
#Atten 40 dB
-41.719 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-32.9
dBm
LgAv
10
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 14.50 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8001 pts)
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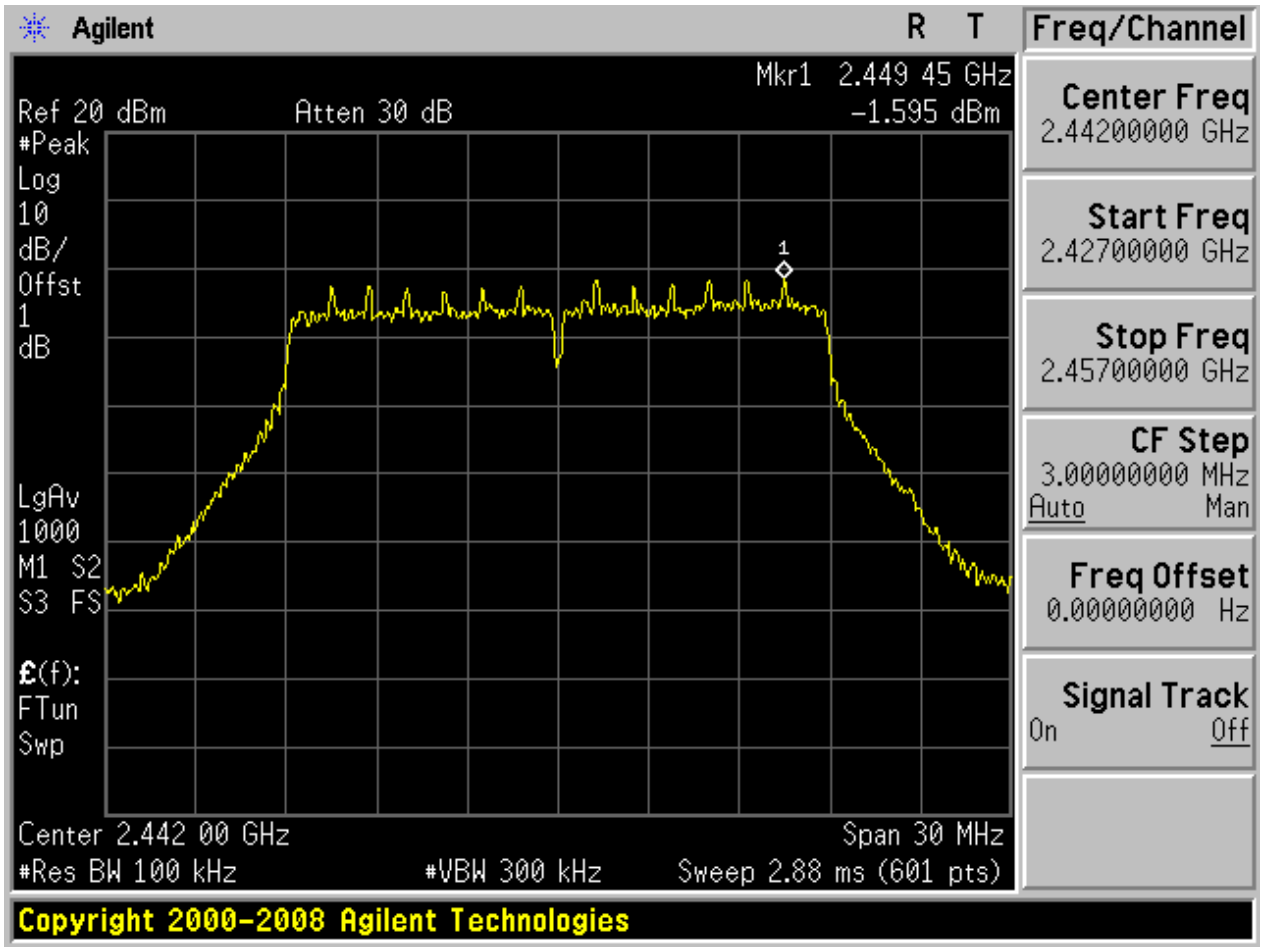
2.18 11N20_H@Ant 2

Pref:



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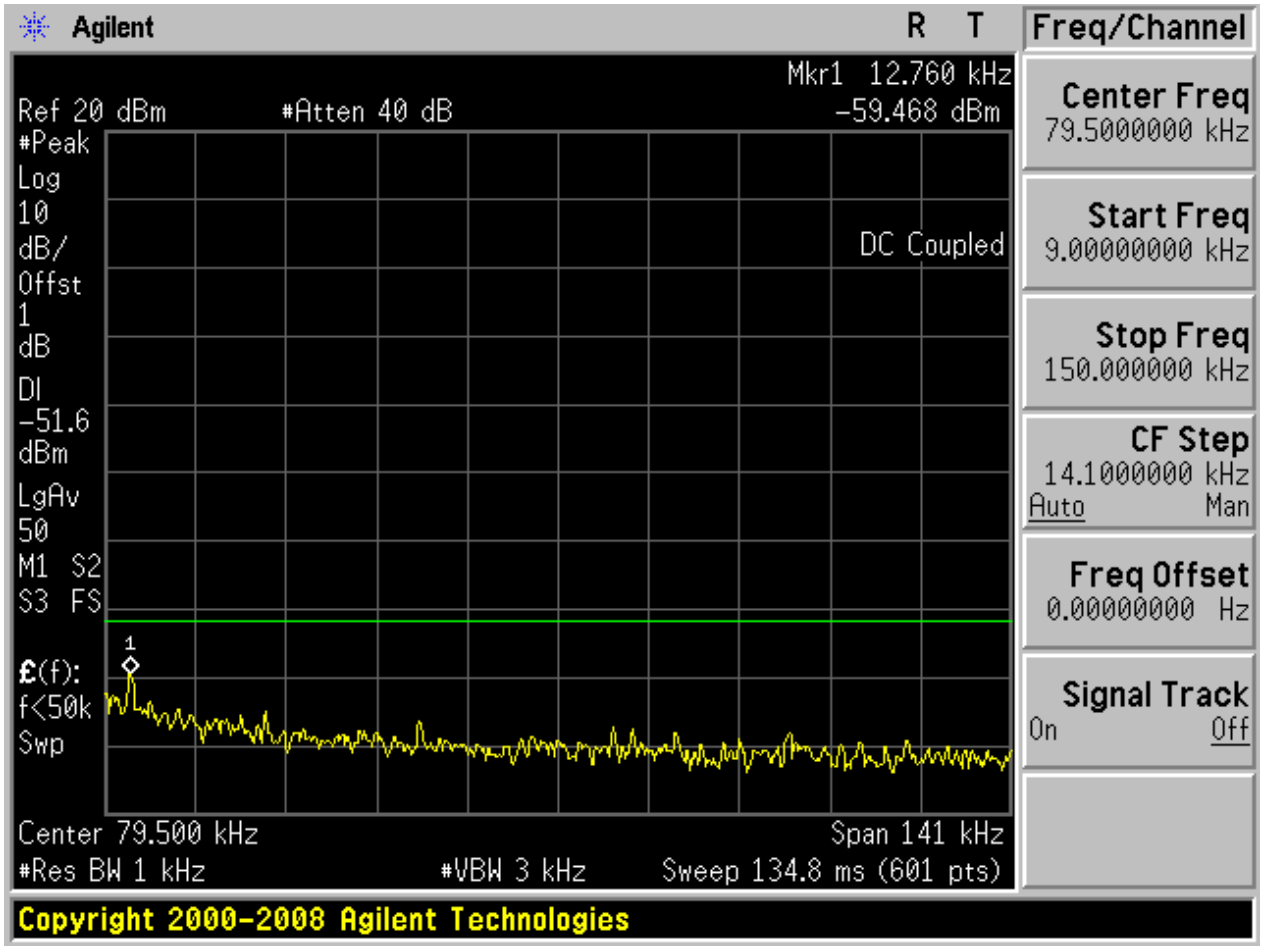
Puw:



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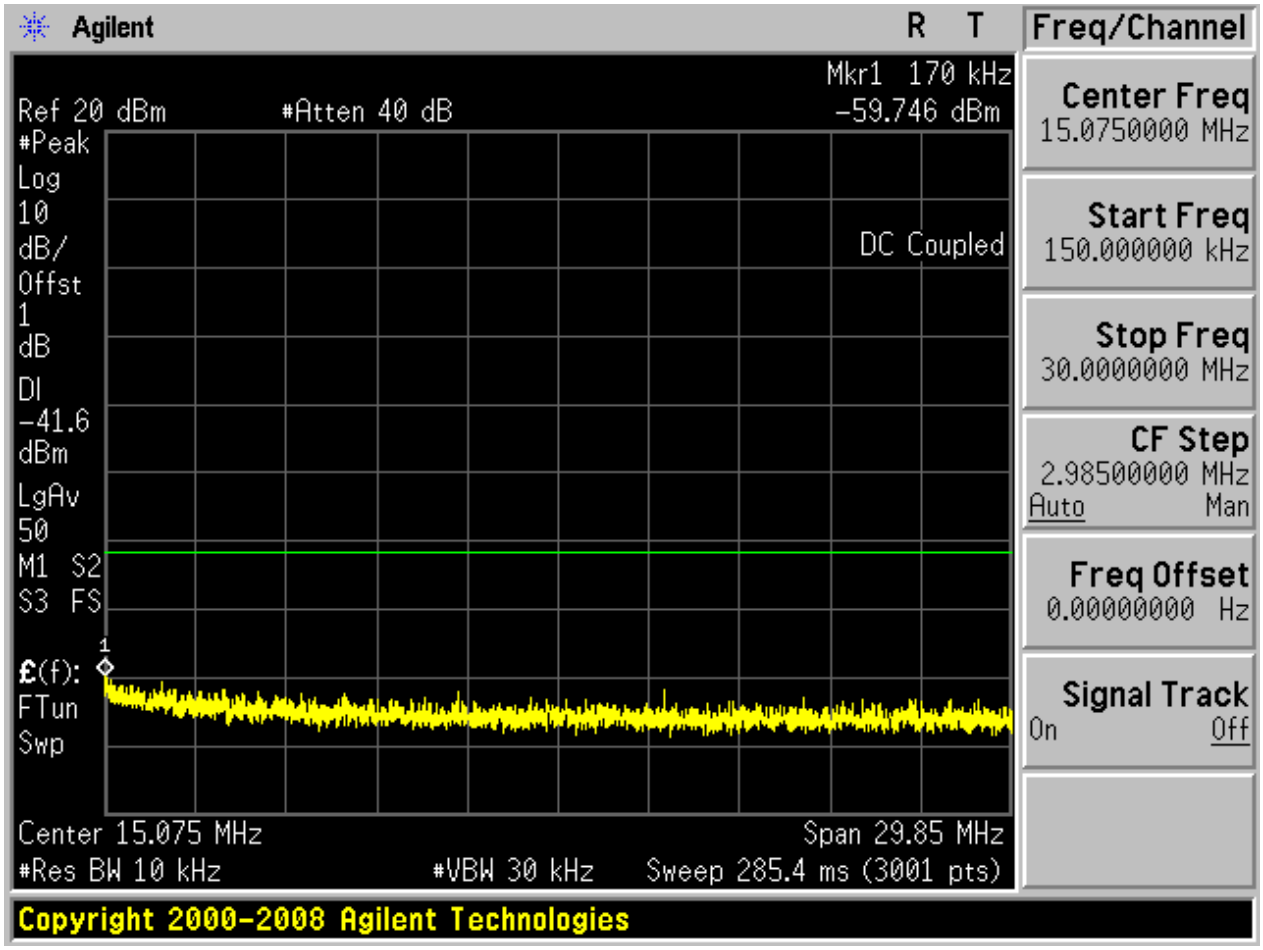

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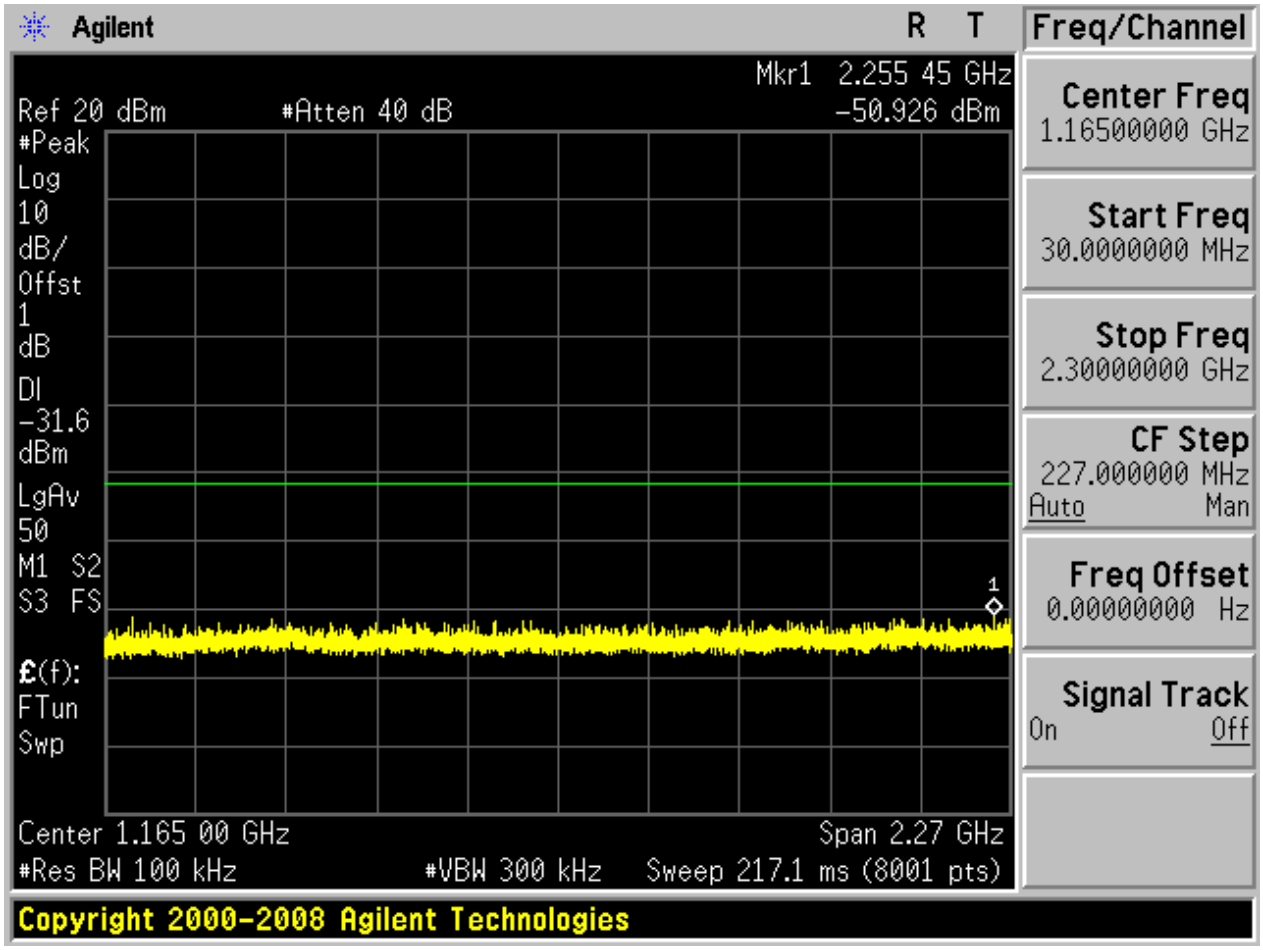
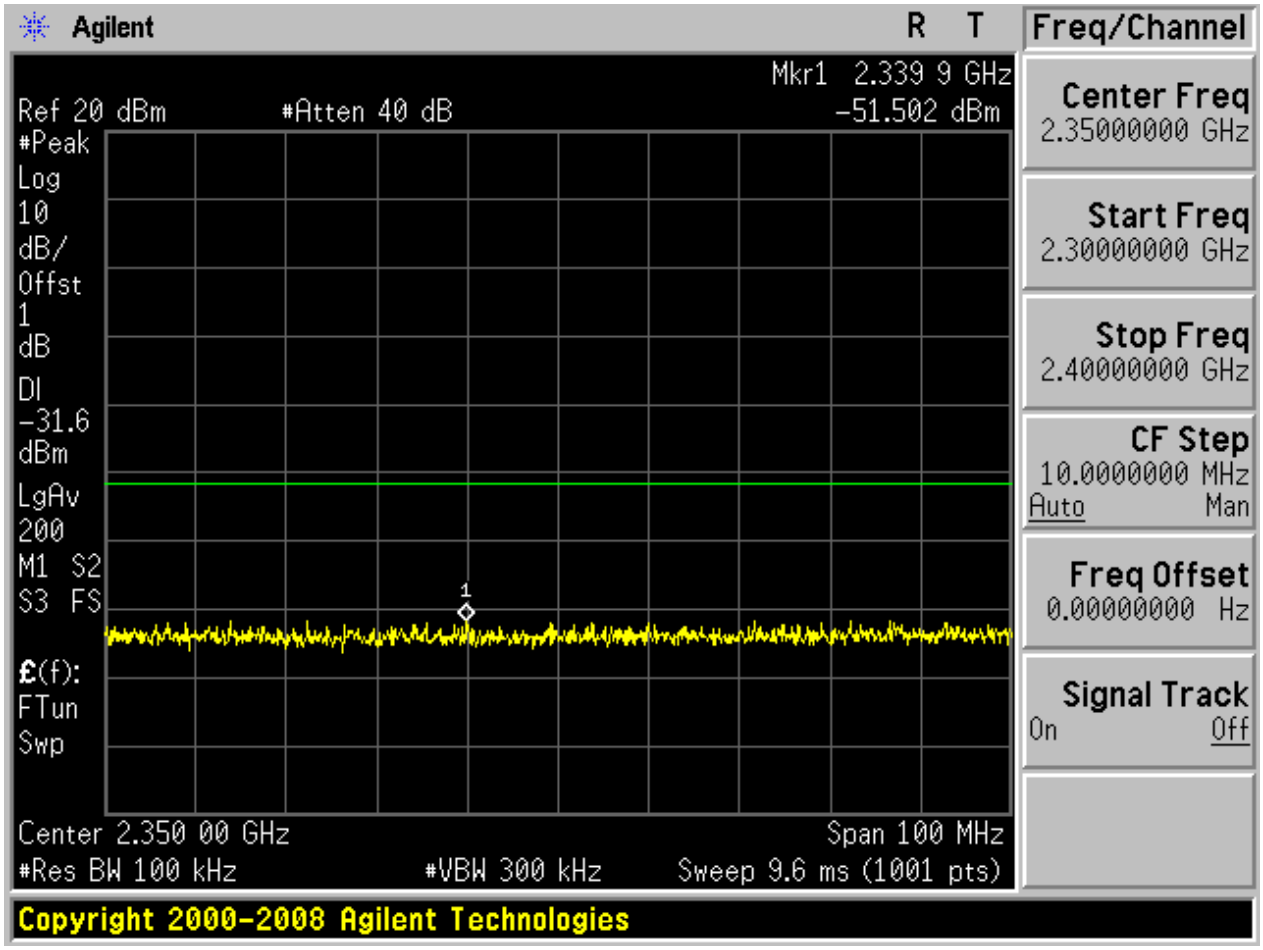

Agilent
R T
Freq/Channel
Mkr1 2.255 45 GHz
Ref 20 dBm
#Atten 40 dB
-50.926 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-31.6
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Copyright 2000-2008 Agilent Technologies



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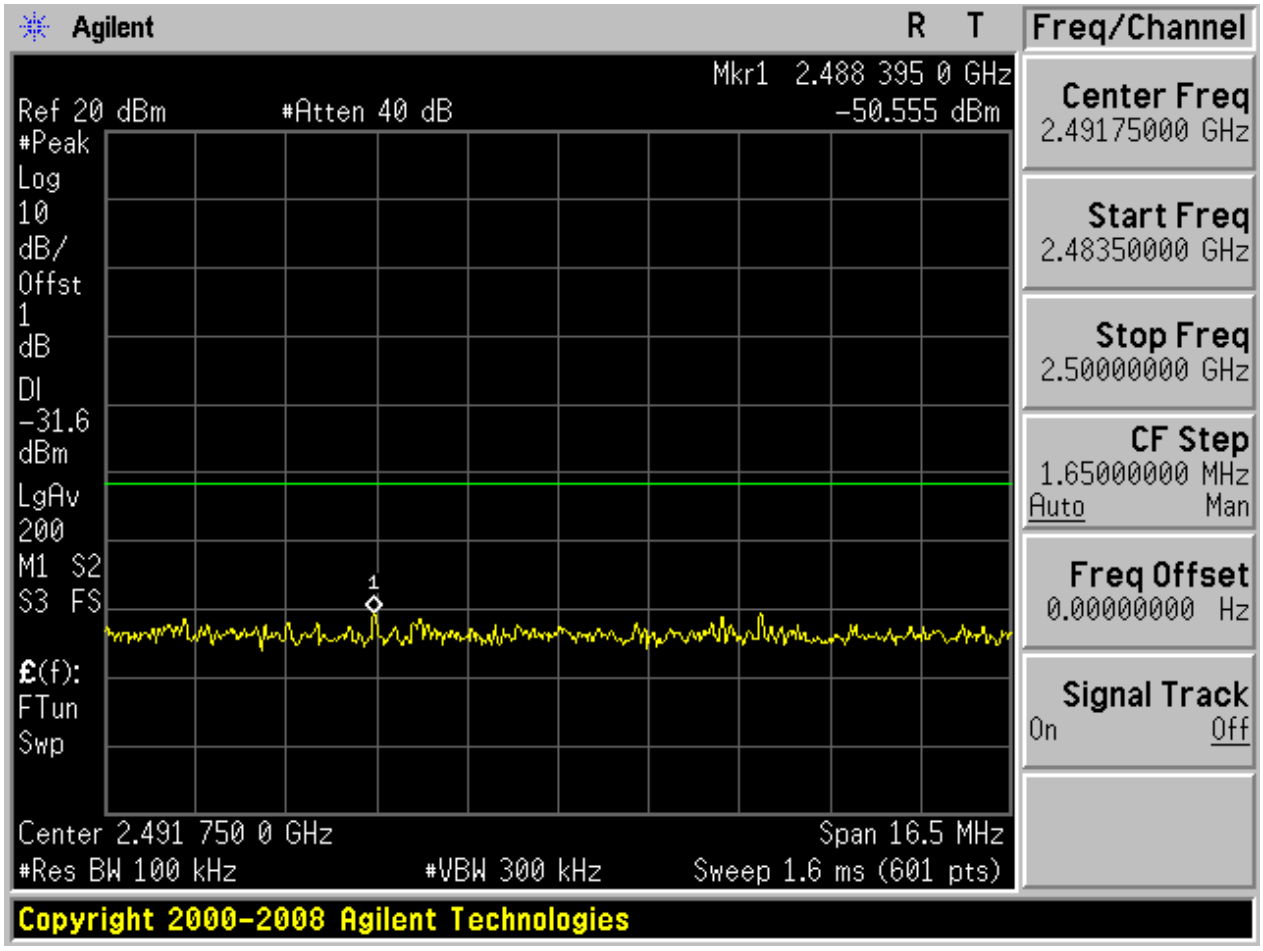

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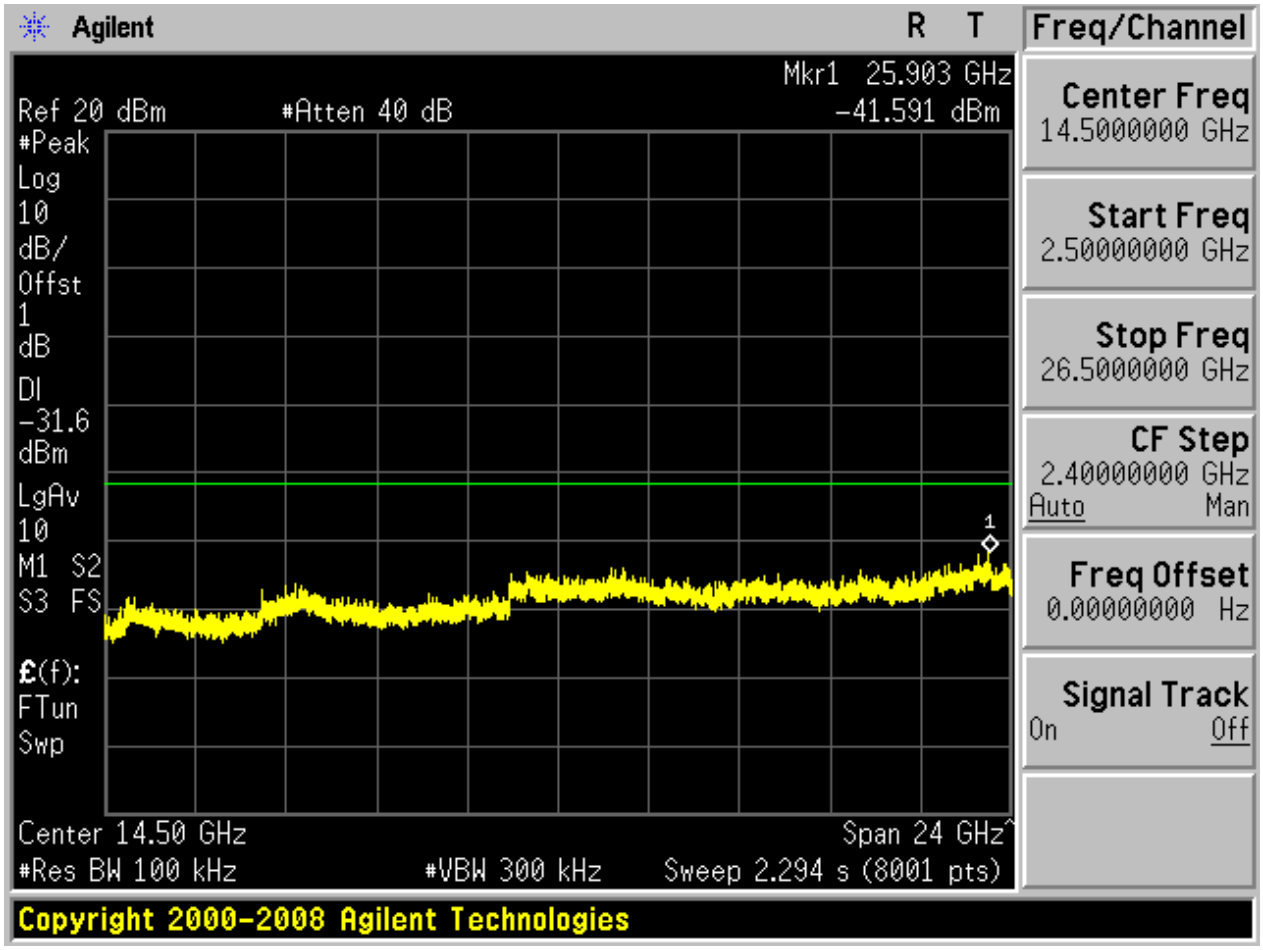

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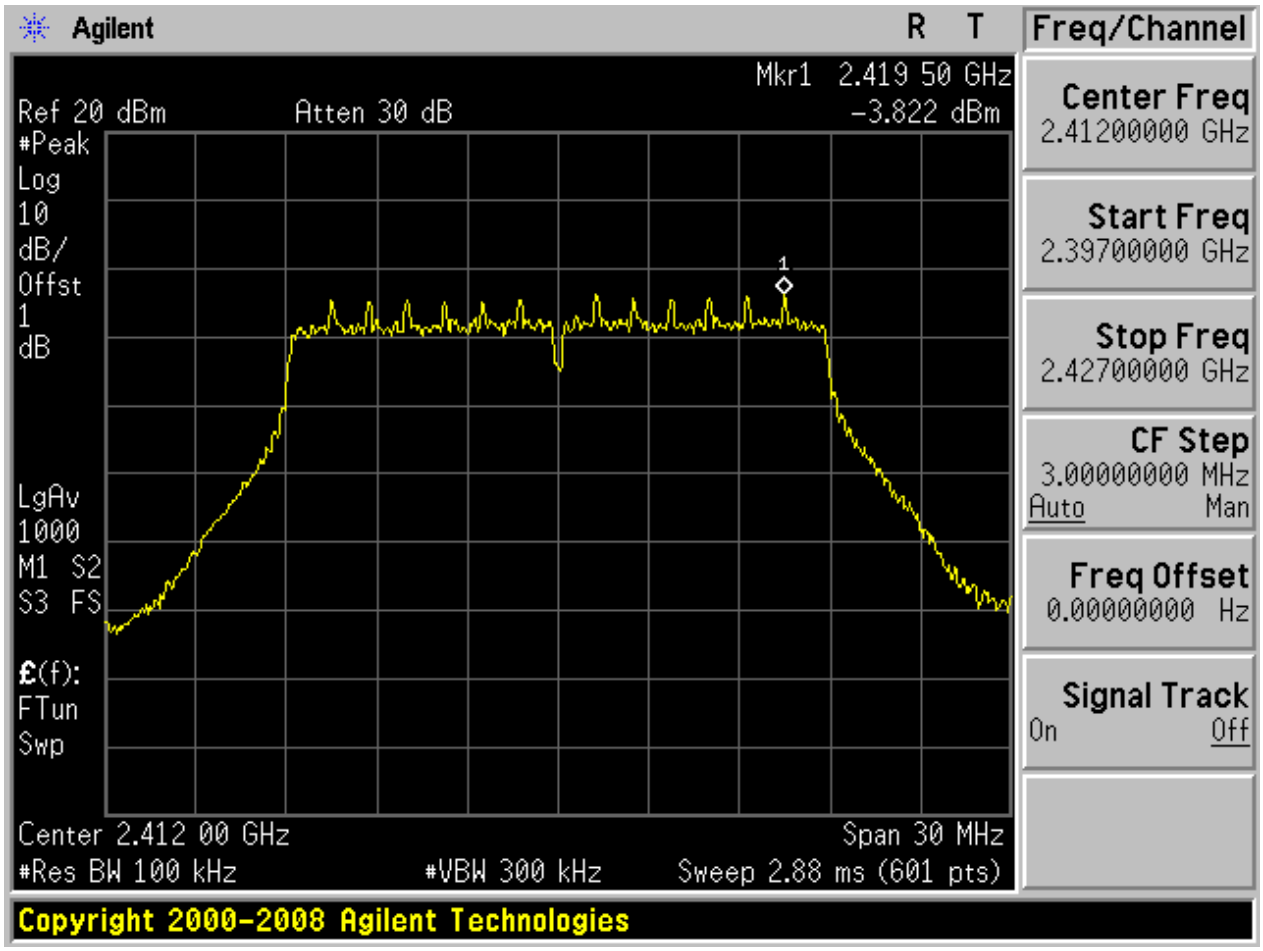

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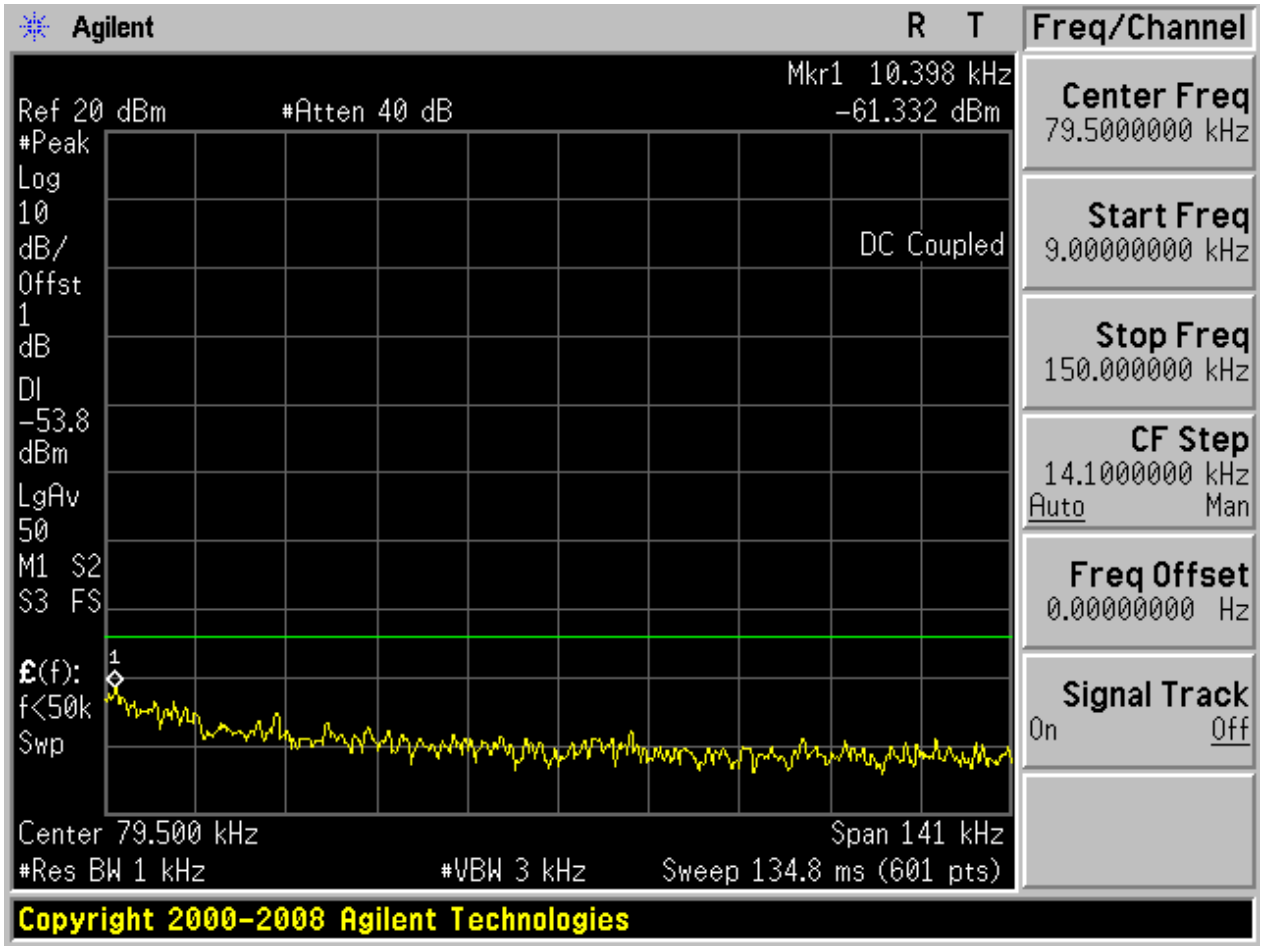

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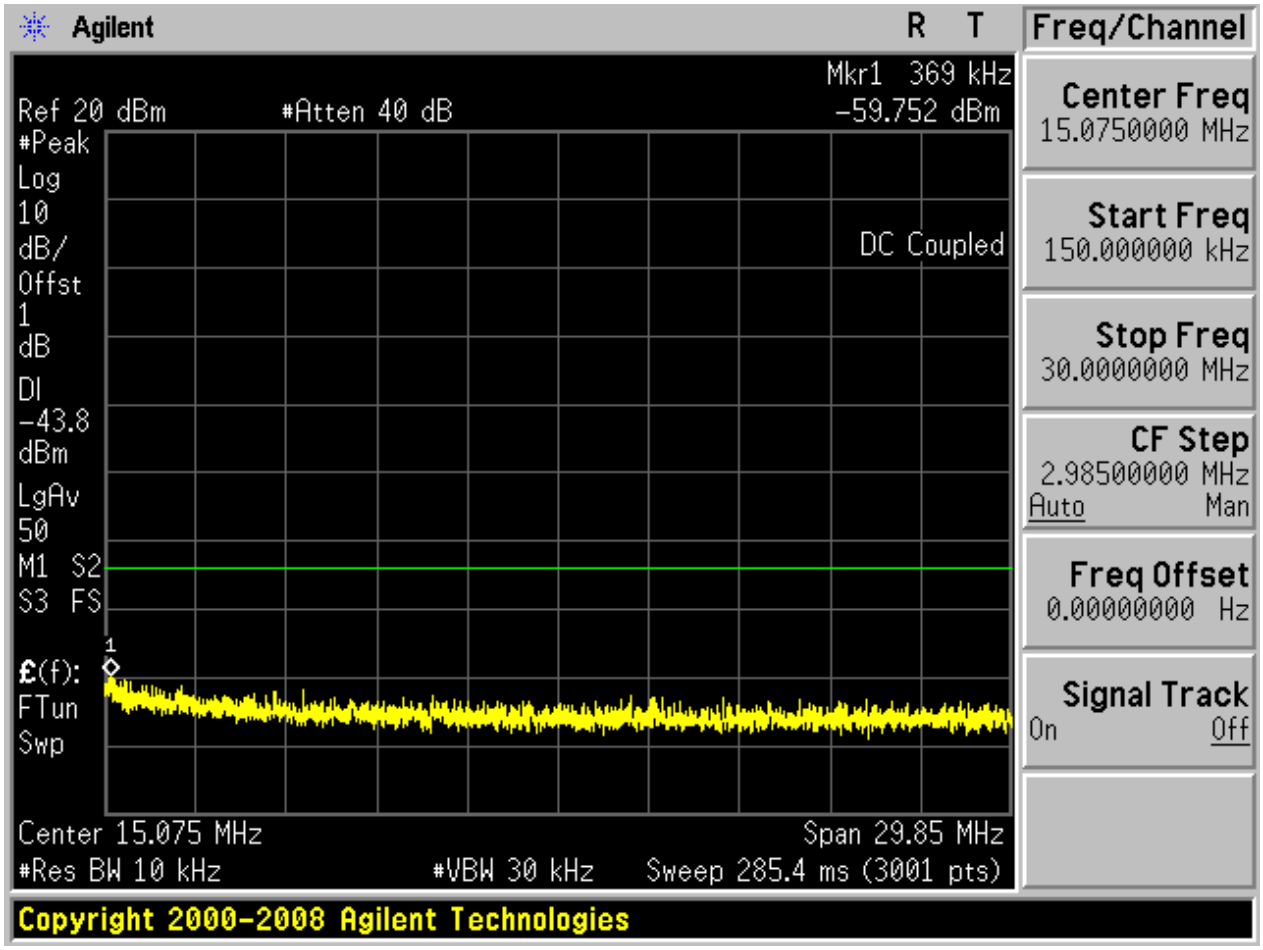

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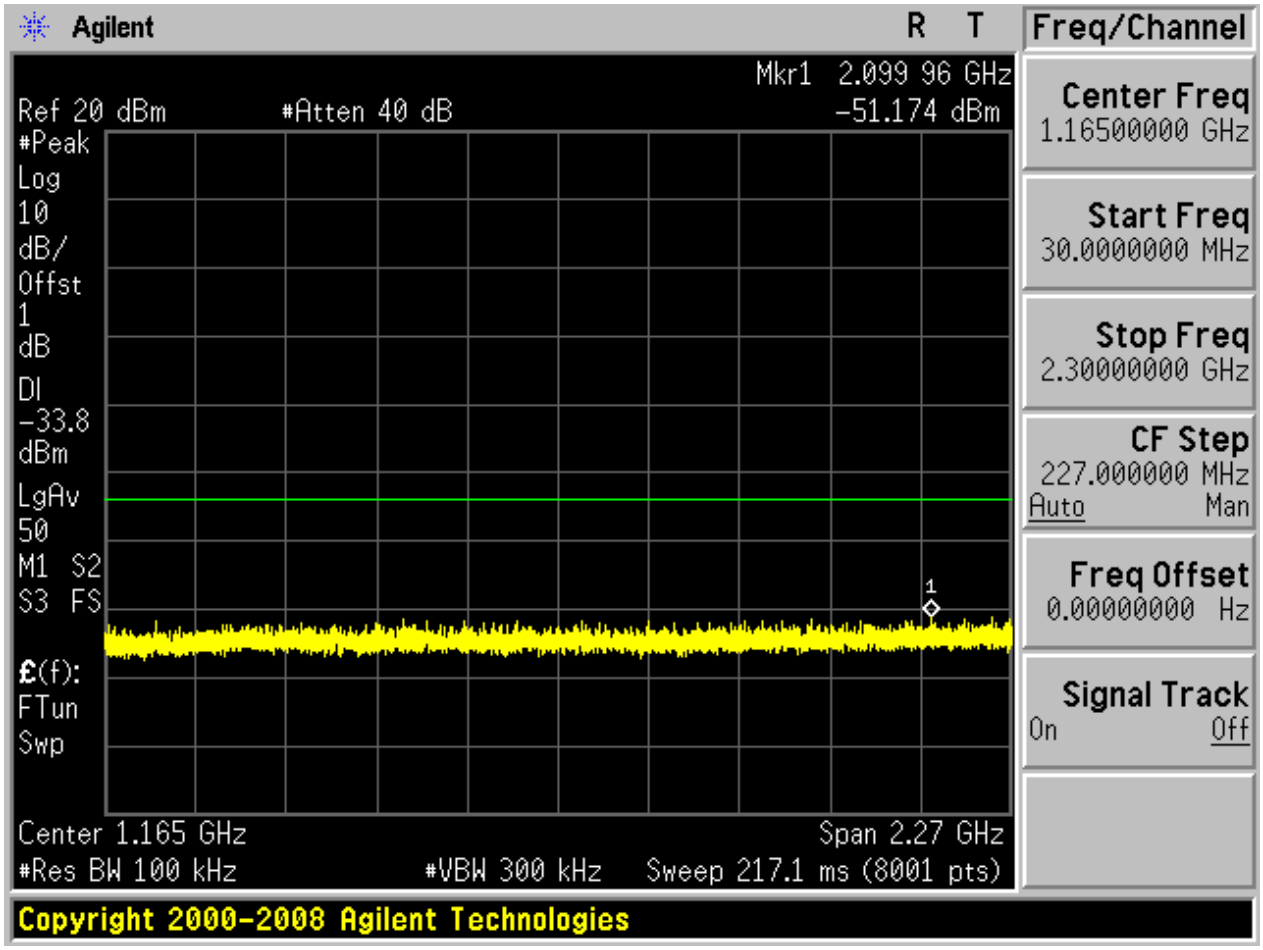

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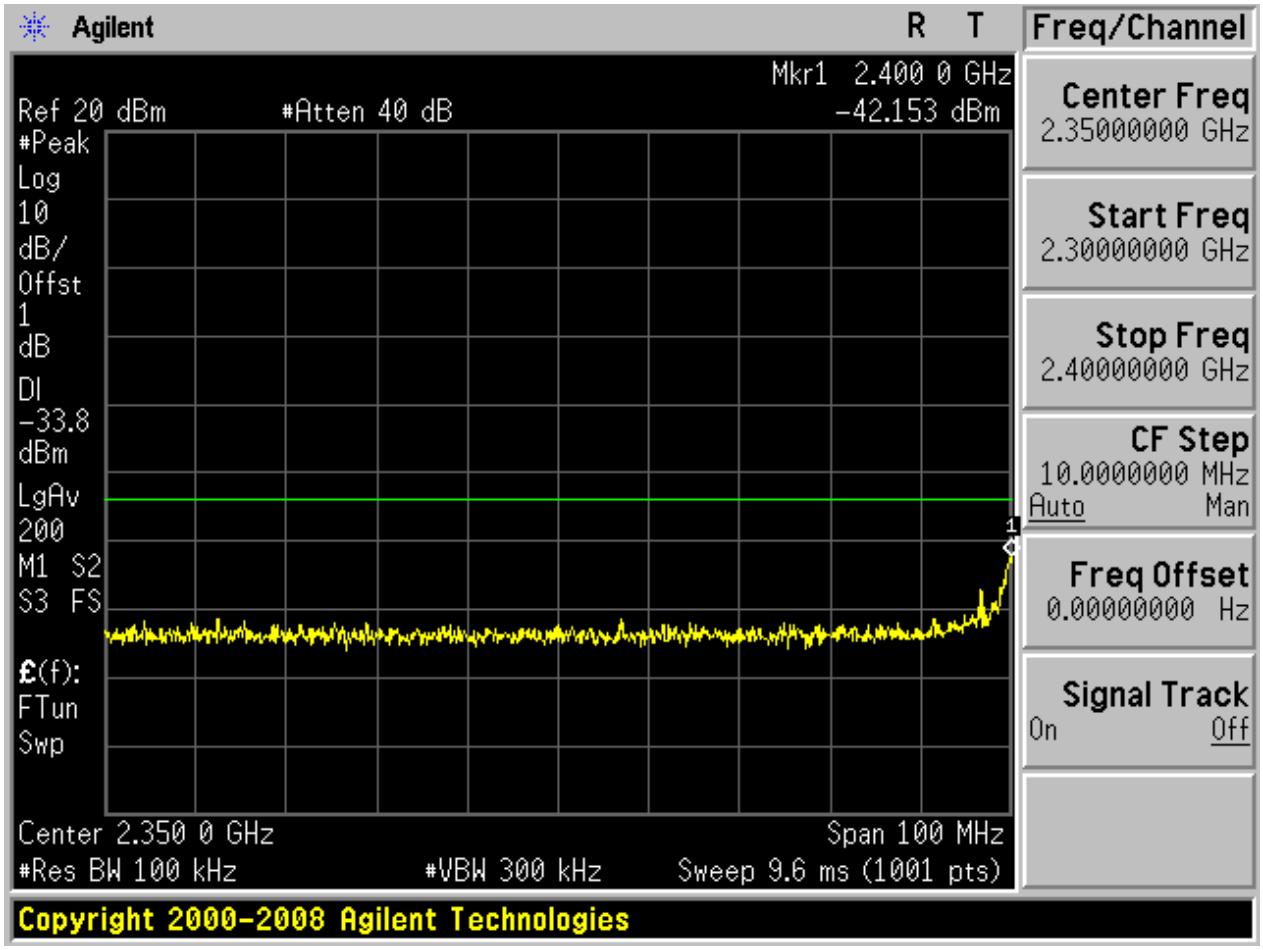

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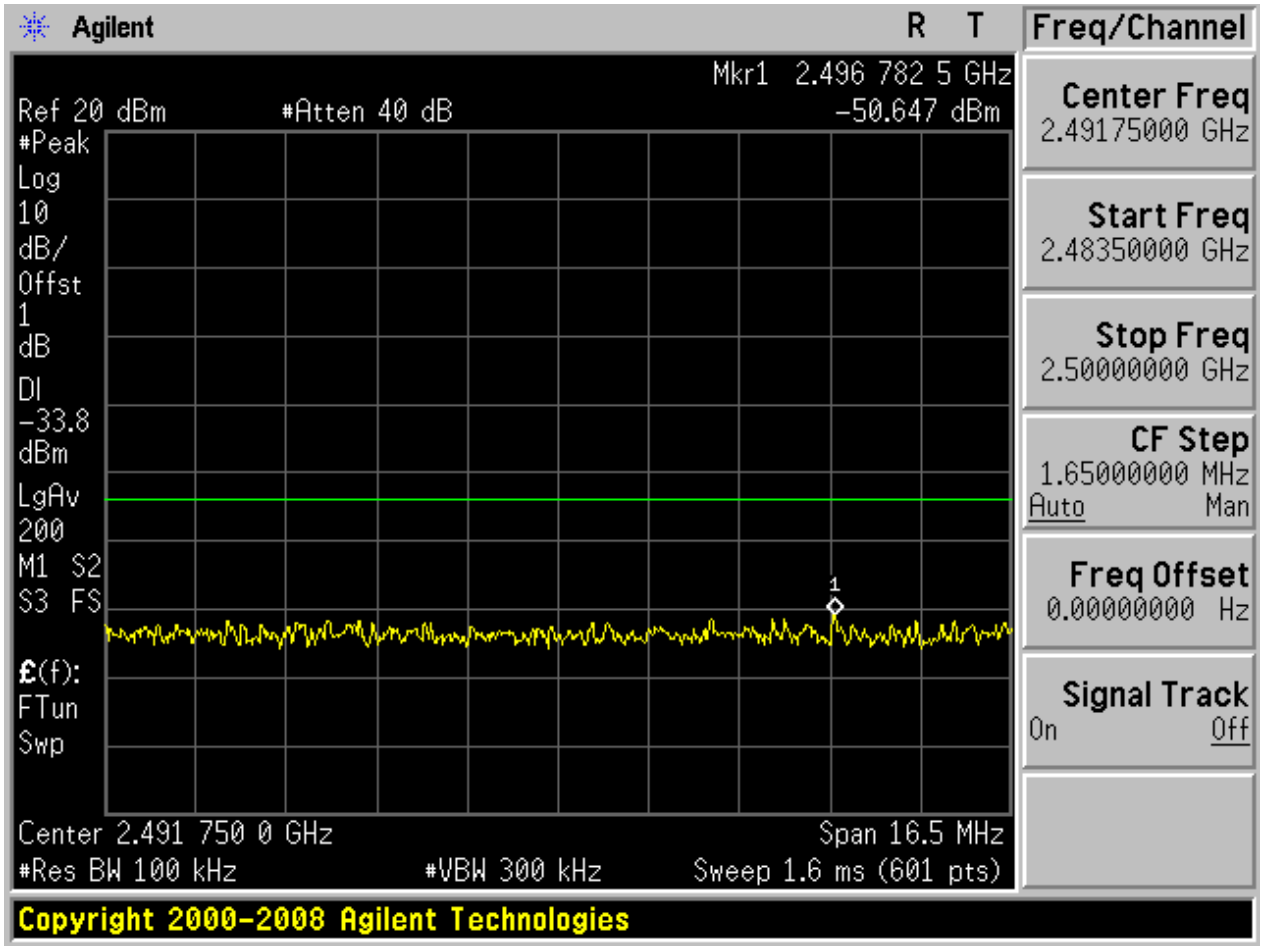
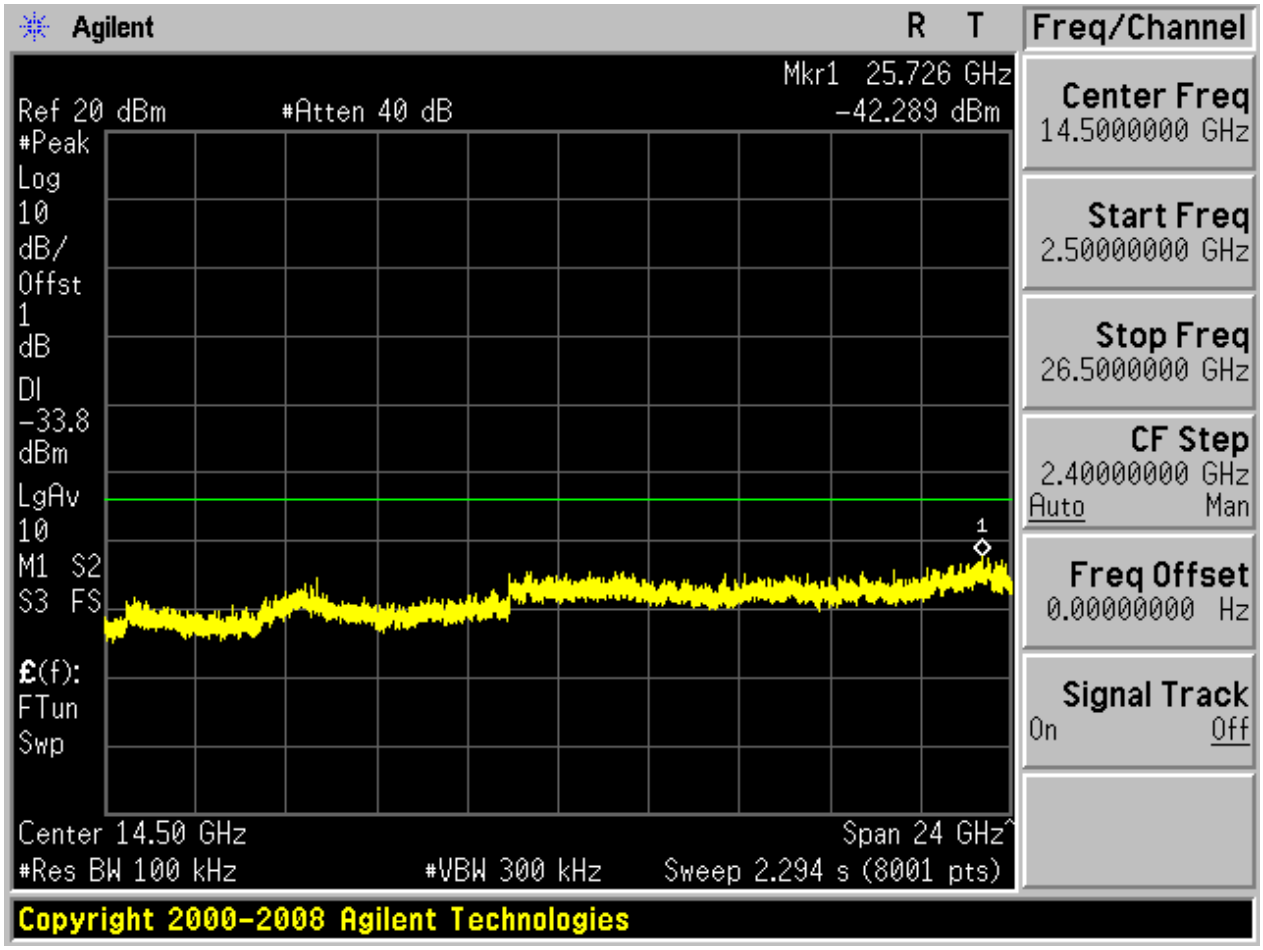

Agilent
R T
Freq/Channel
Mkr1 2.496 782 5 GHz
Ref 20 dBm
#Atten 40 dB
-50.647 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.8
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 25.726 GHz
Ref 20 dBm
#Atten 40 dB
-42.289 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.8
dBm
LgAv
10
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 14.50 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8001 pts)
Copyright 2000-2008 Agilent Technologies

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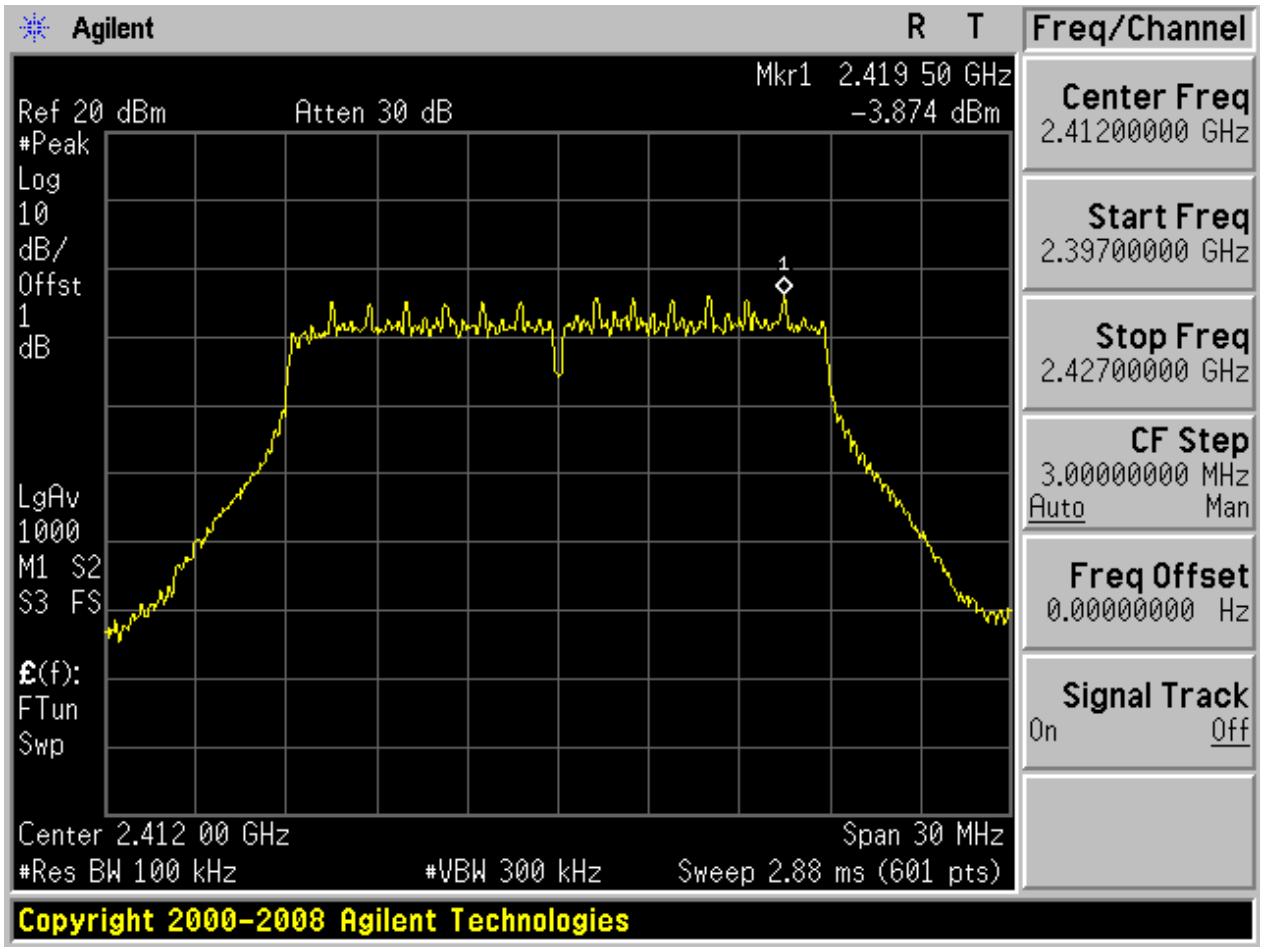
Pref:



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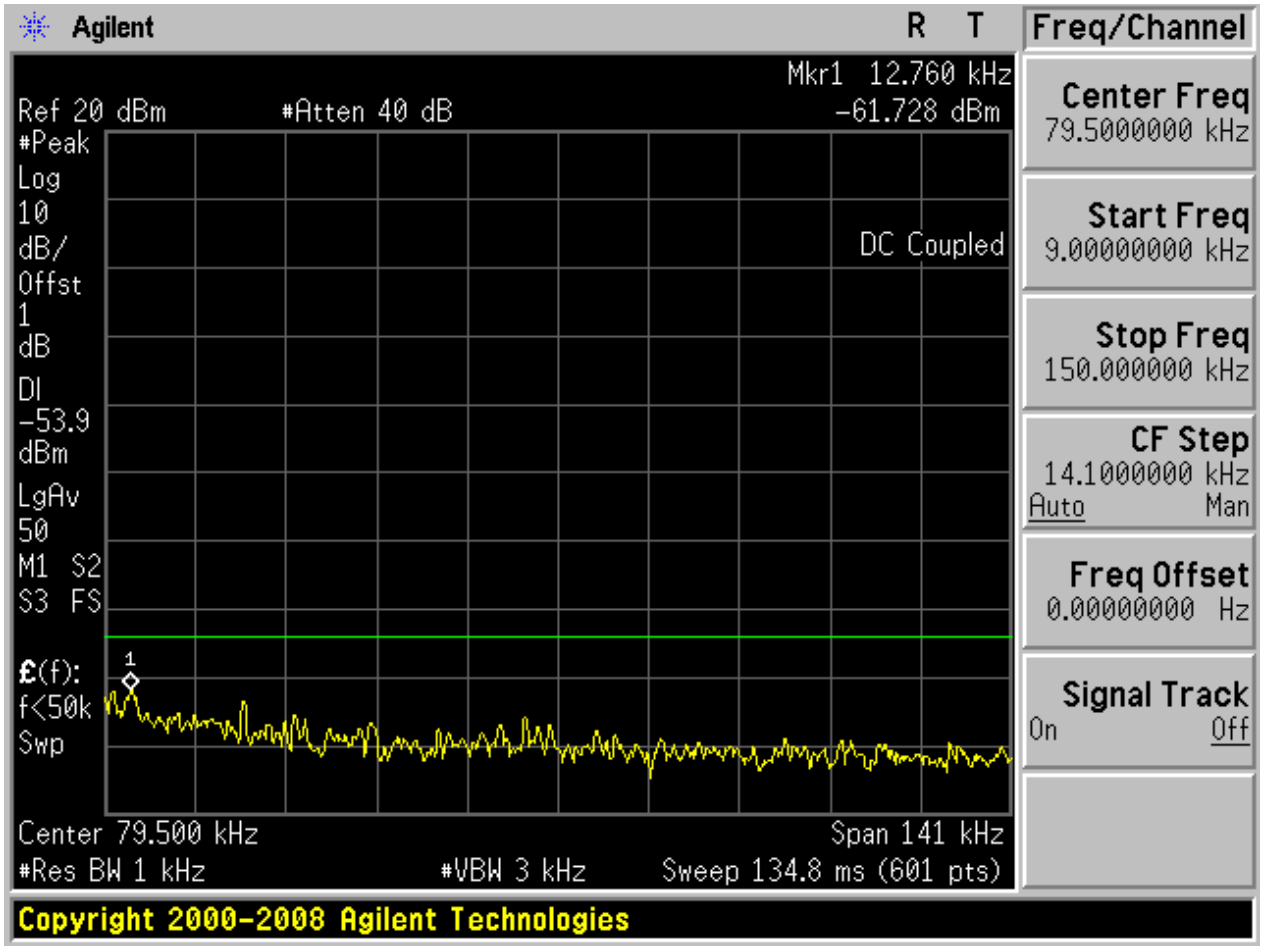

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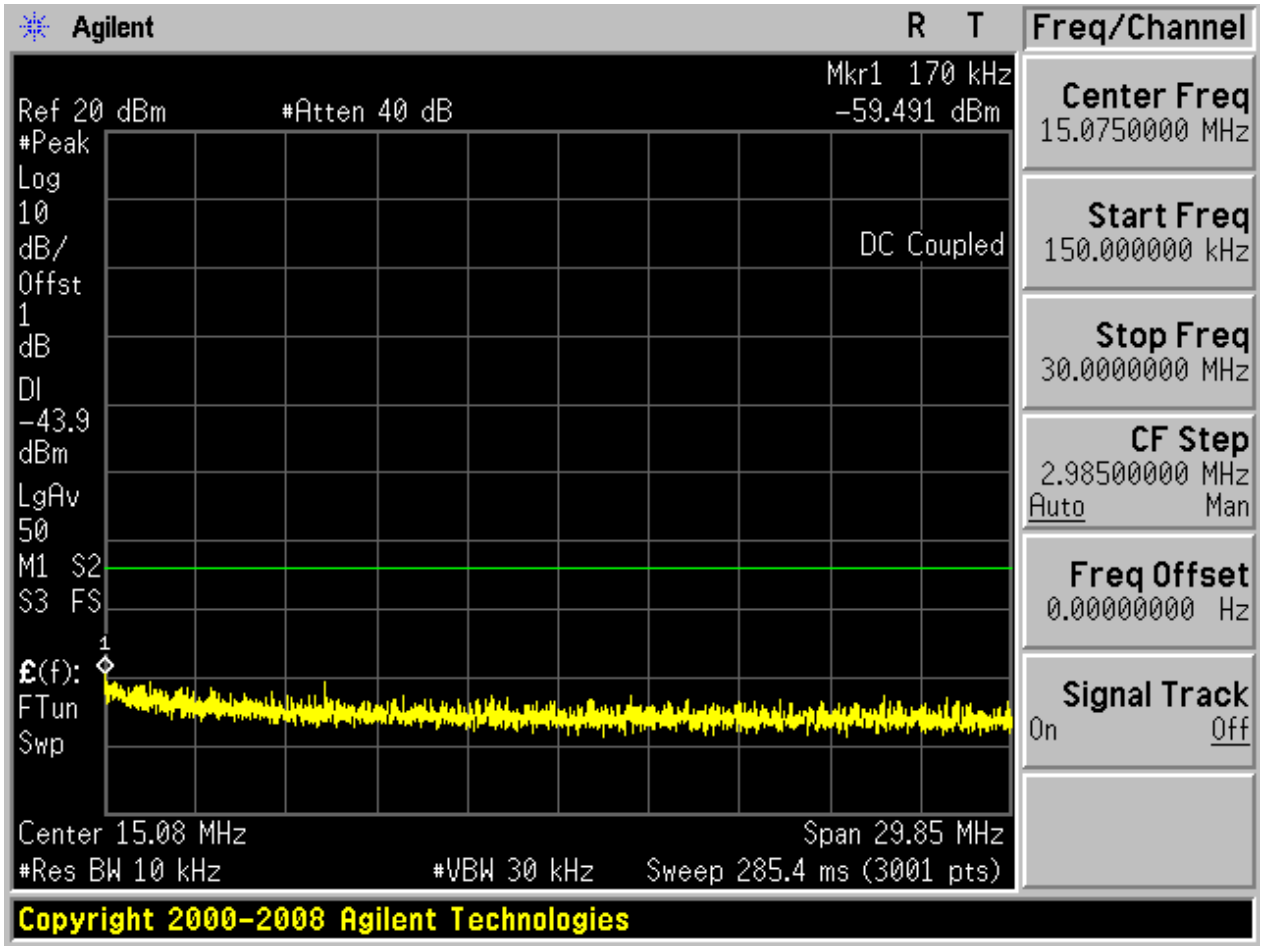
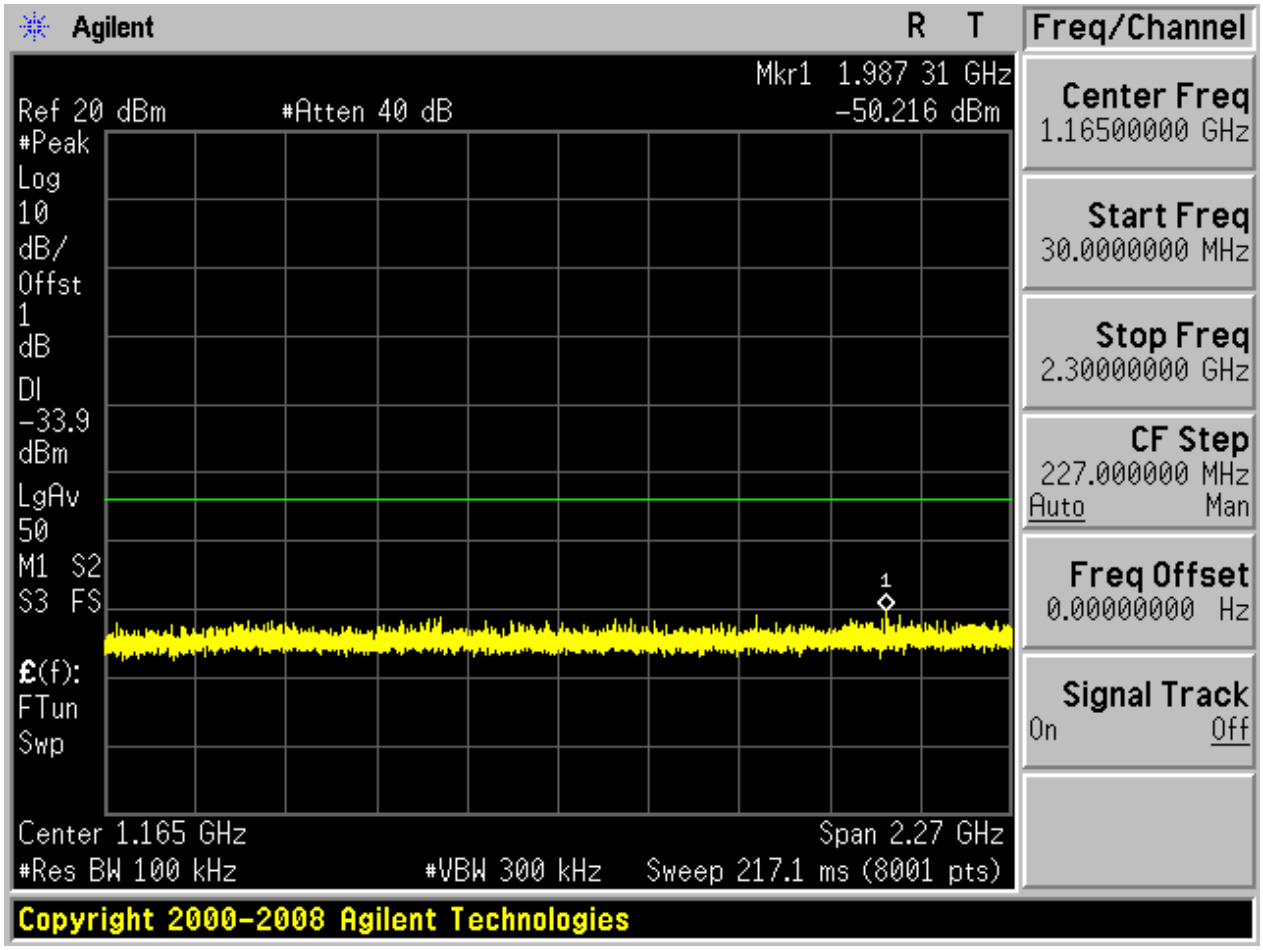
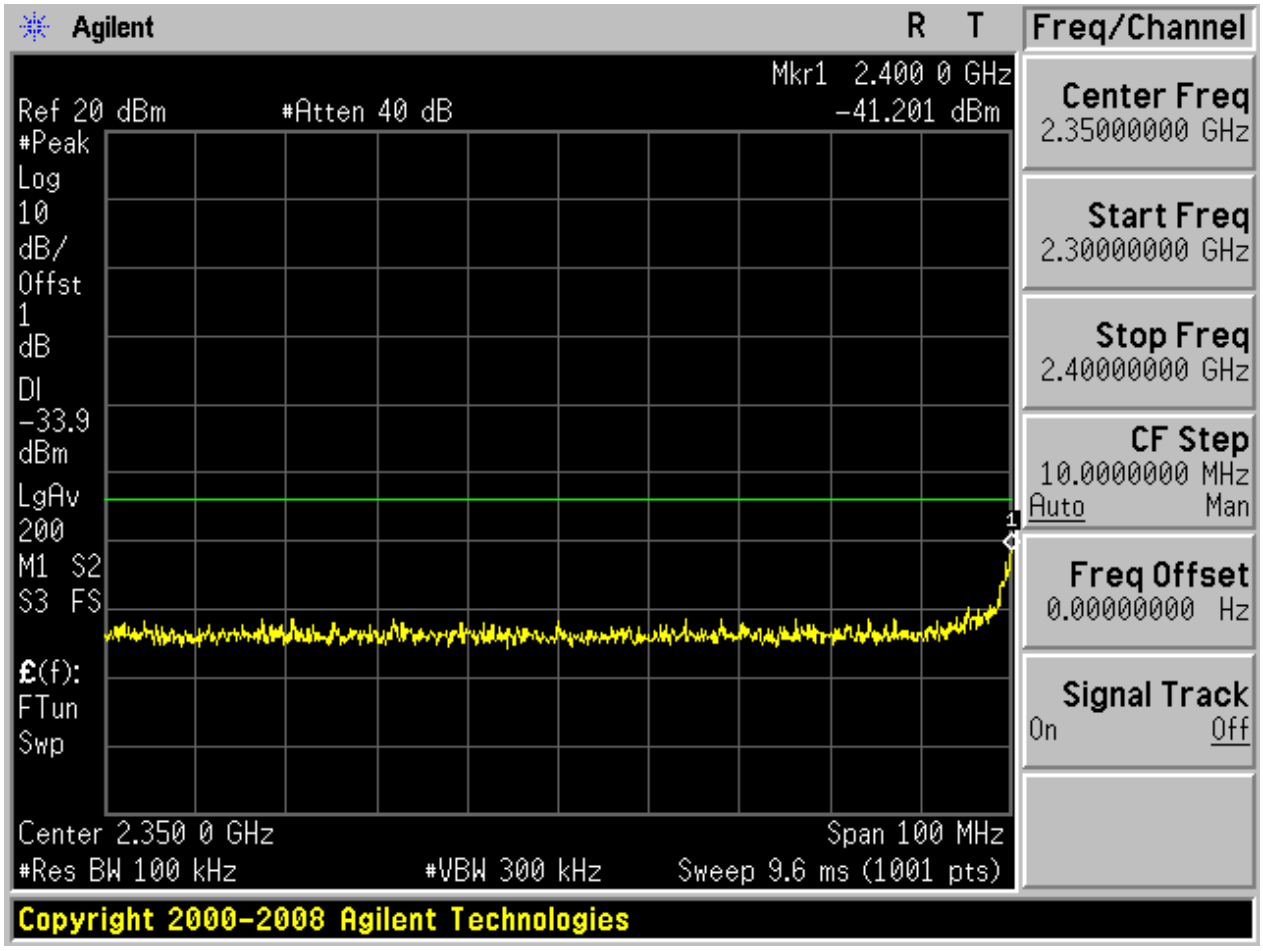

Agilent
R T
Freq/Channel
Mkr1 170 kHz
Ref 20 dBm
#Atten 40 dB
-59.491 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-43.9
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 1.987 31 GHz
Ref 20 dBm
#Atten 40 dB
-50.216 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.9
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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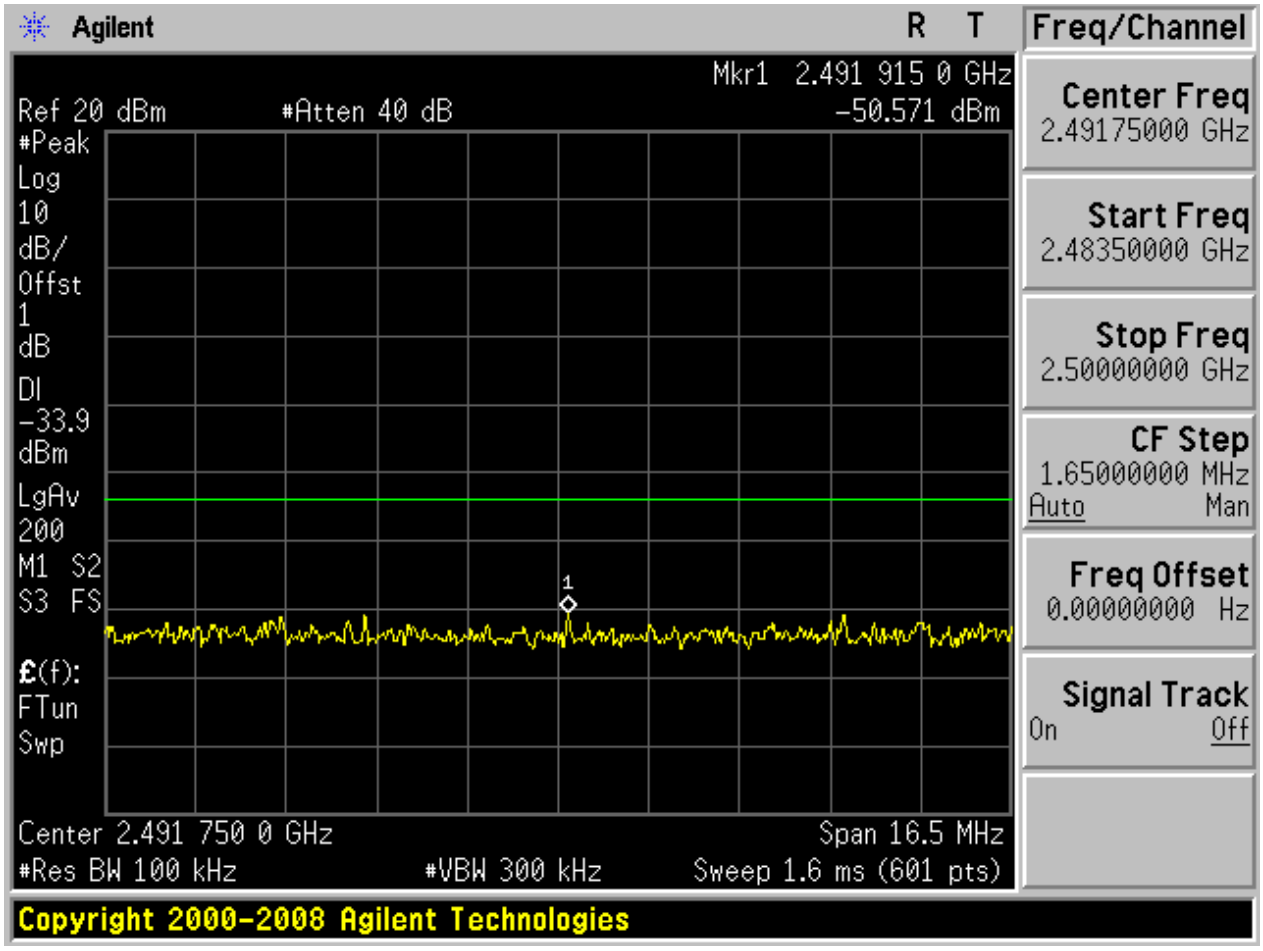

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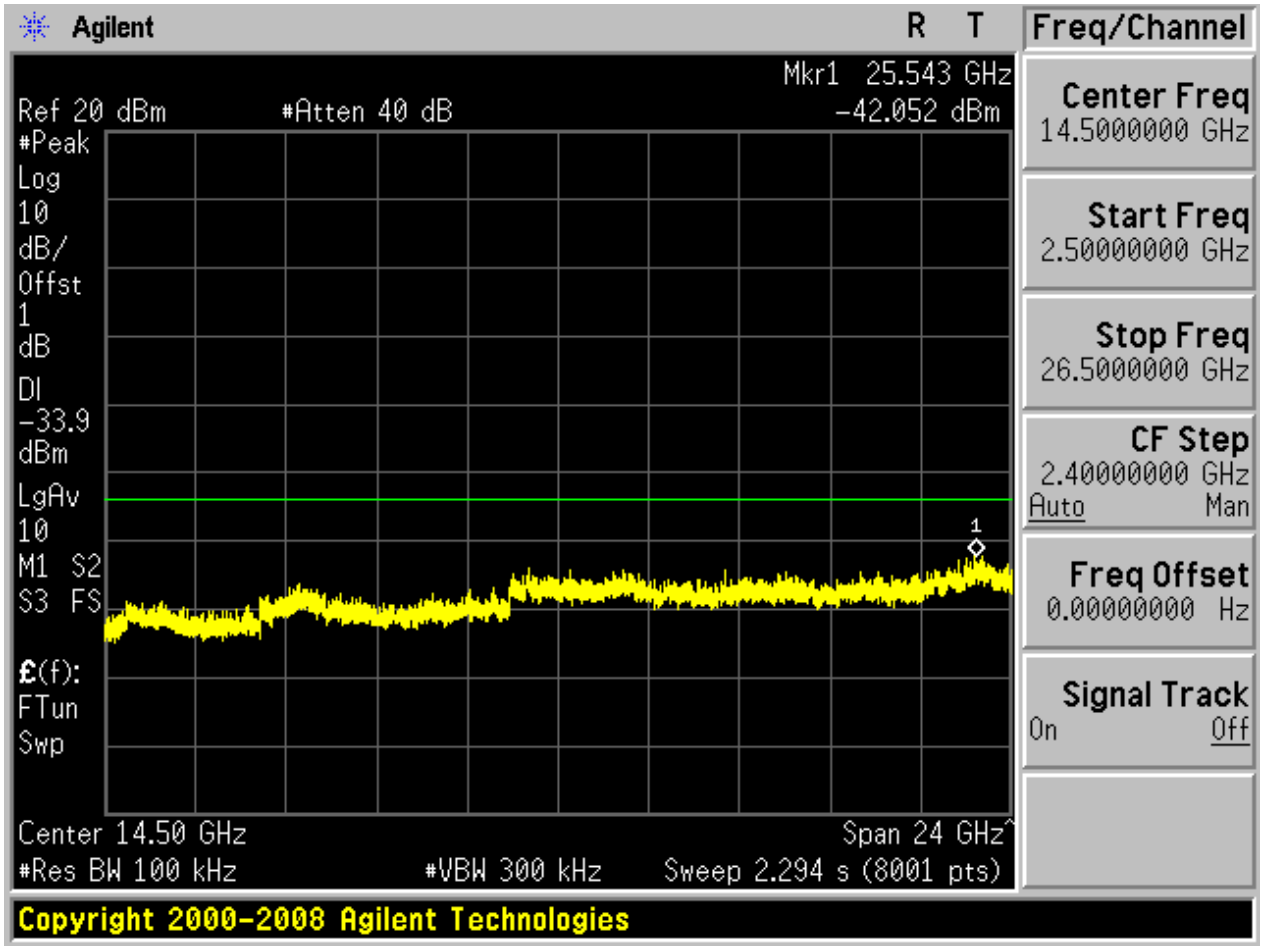

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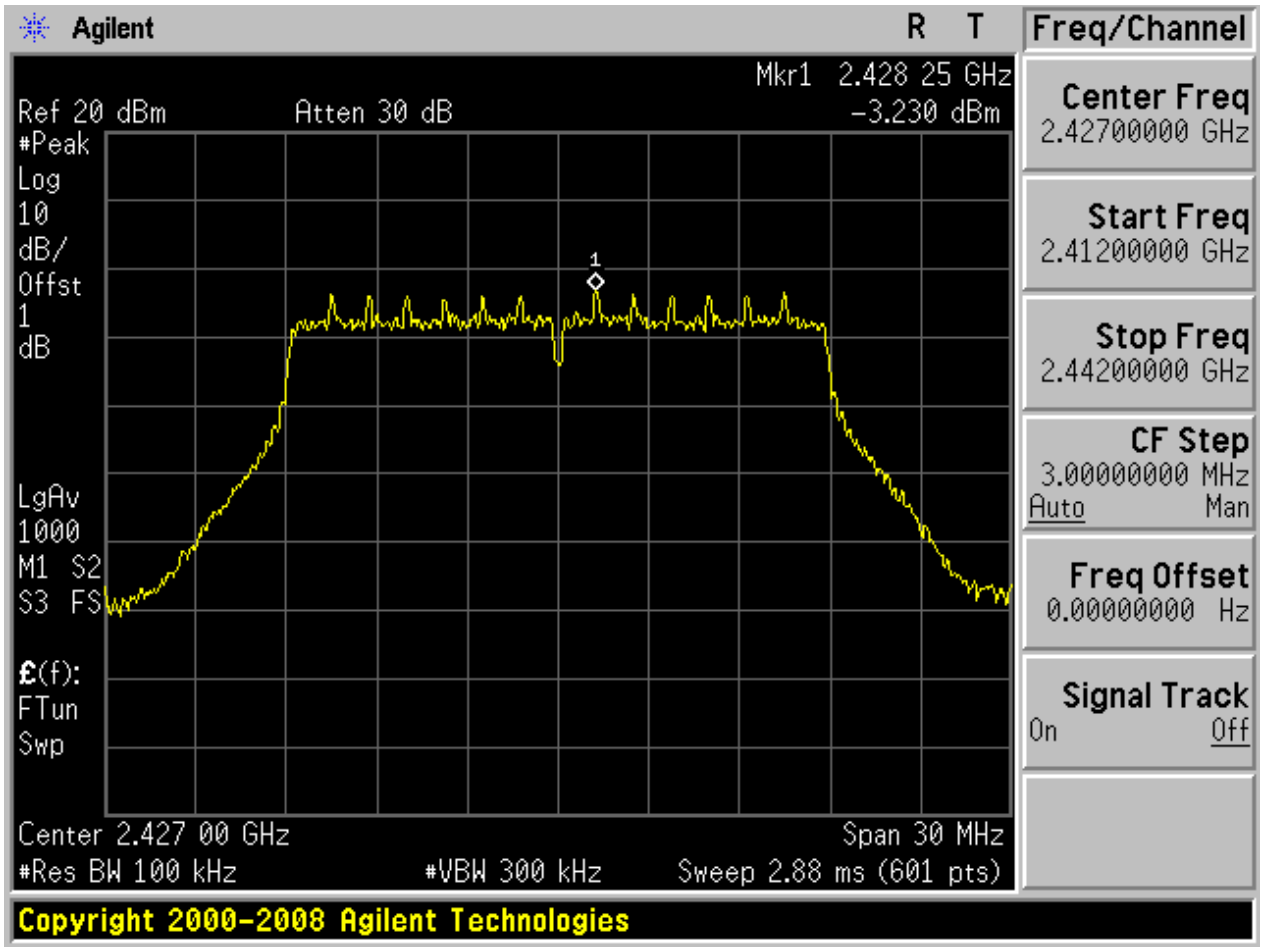

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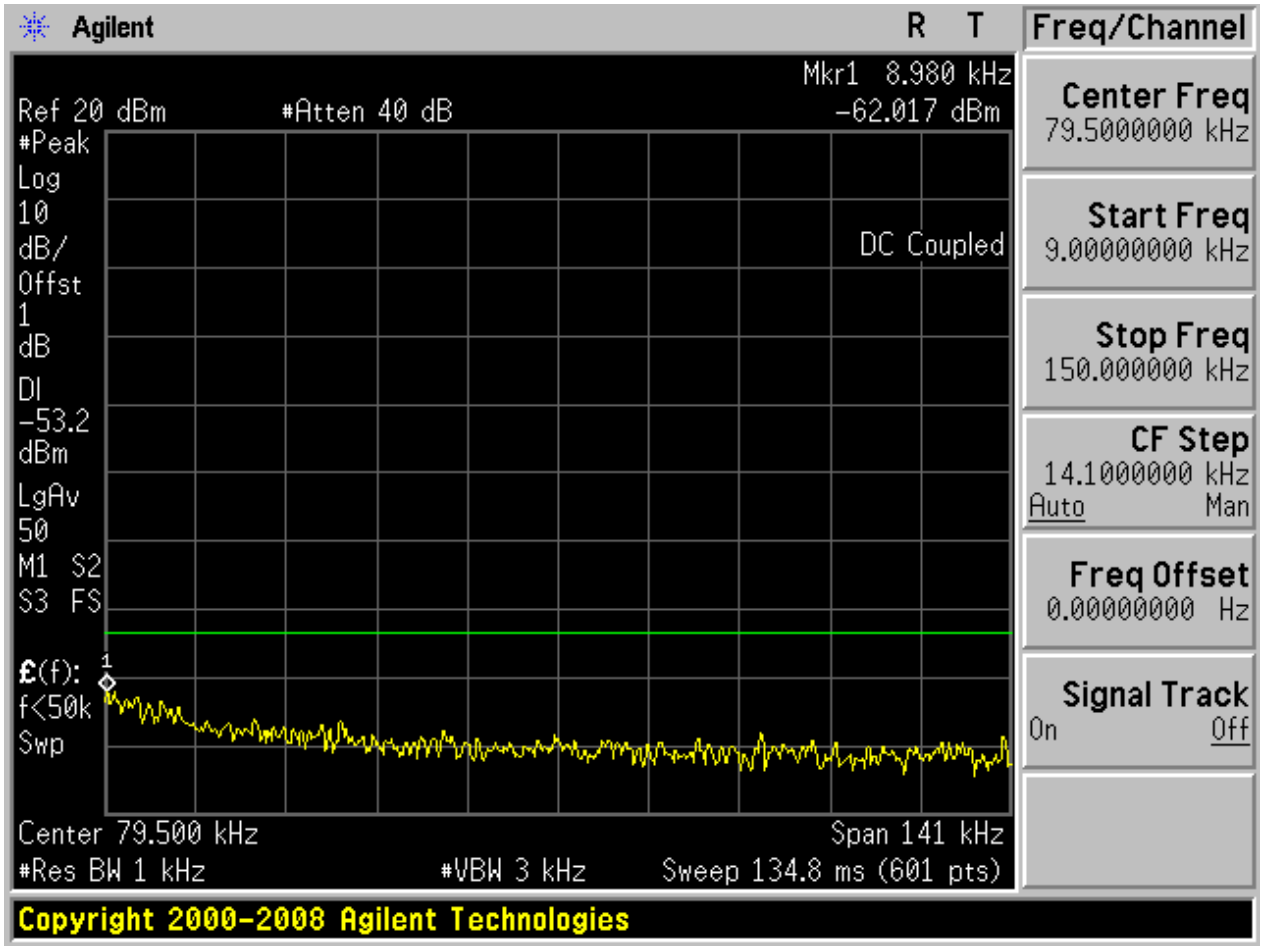

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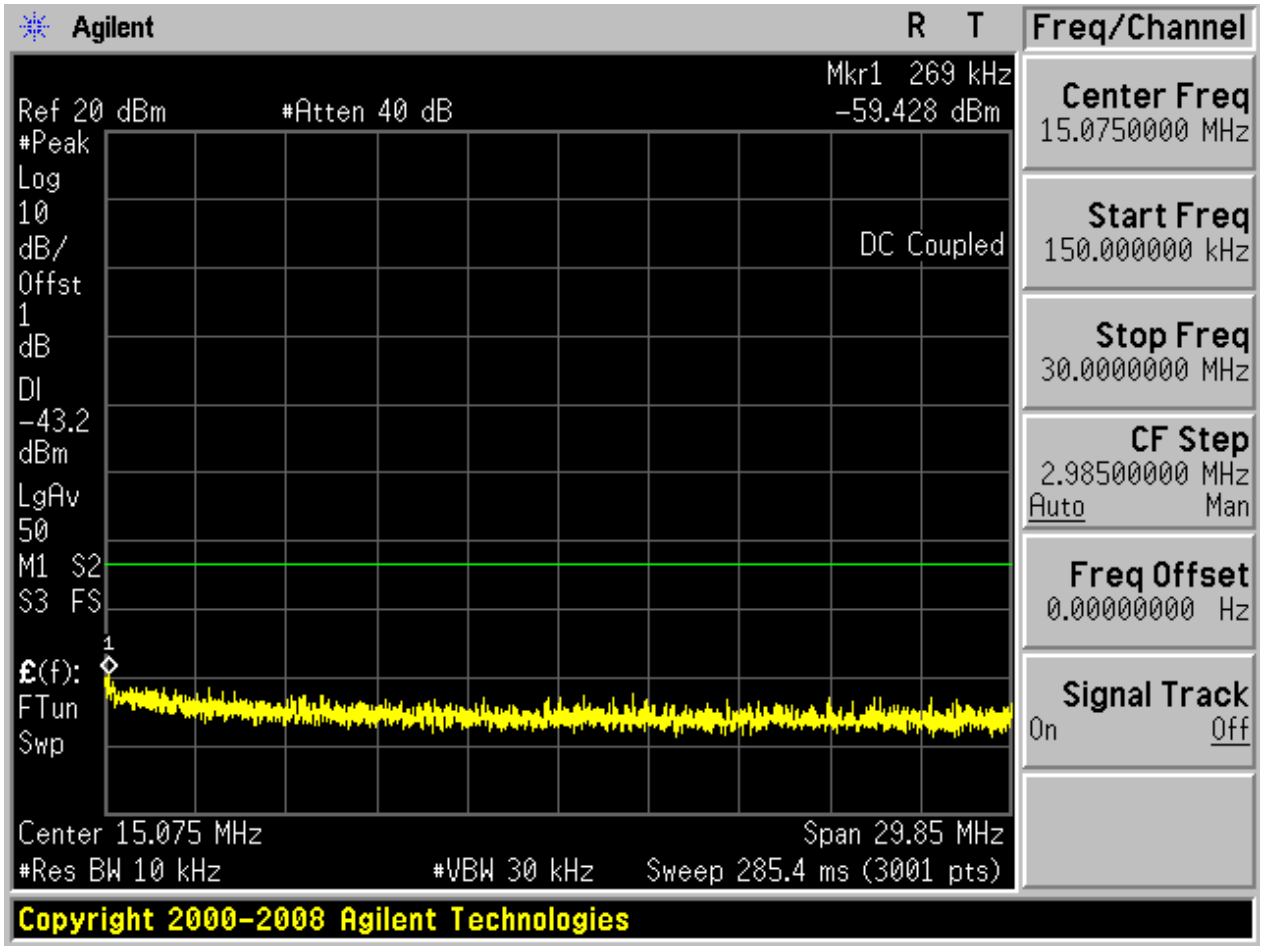

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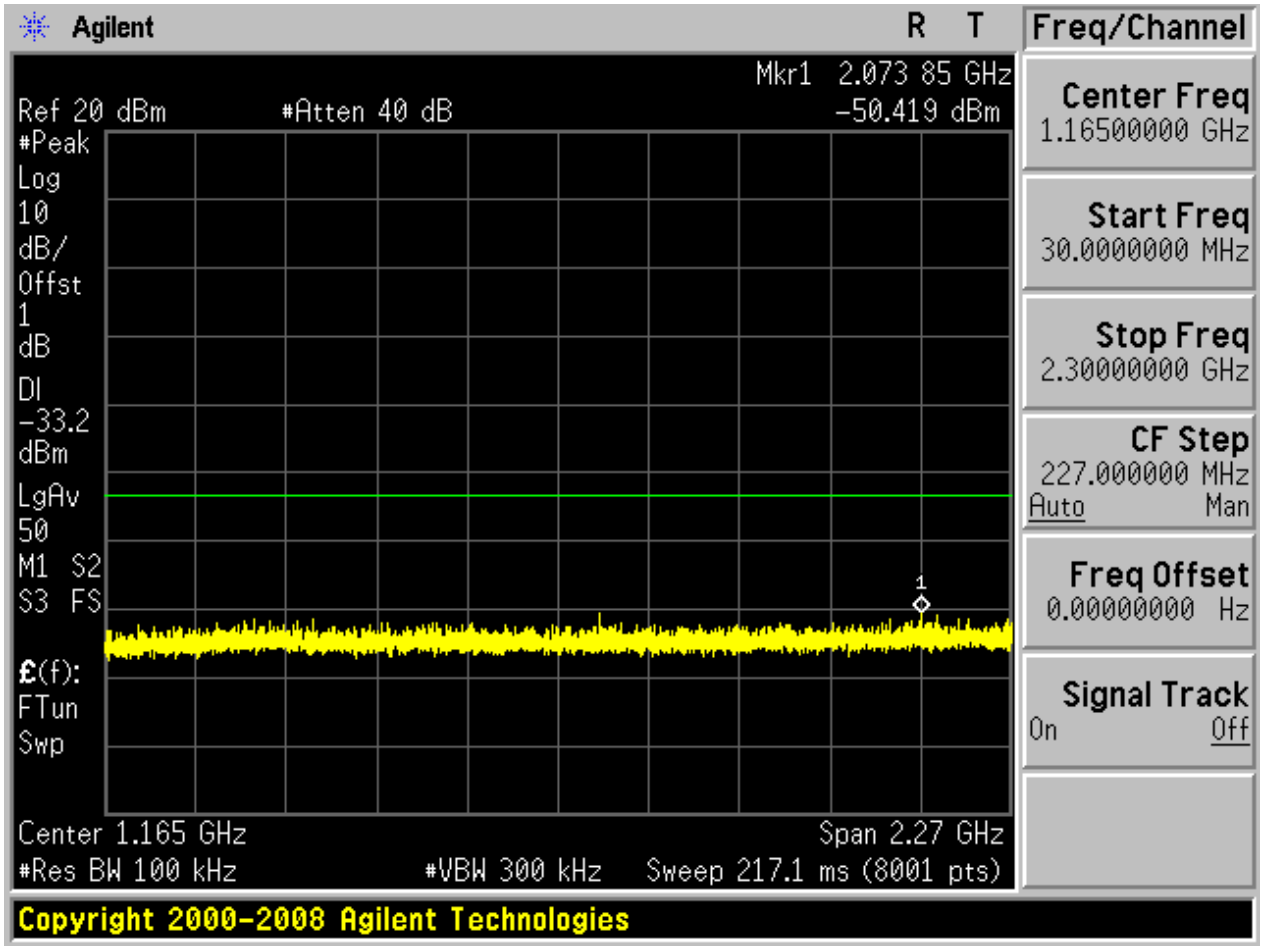
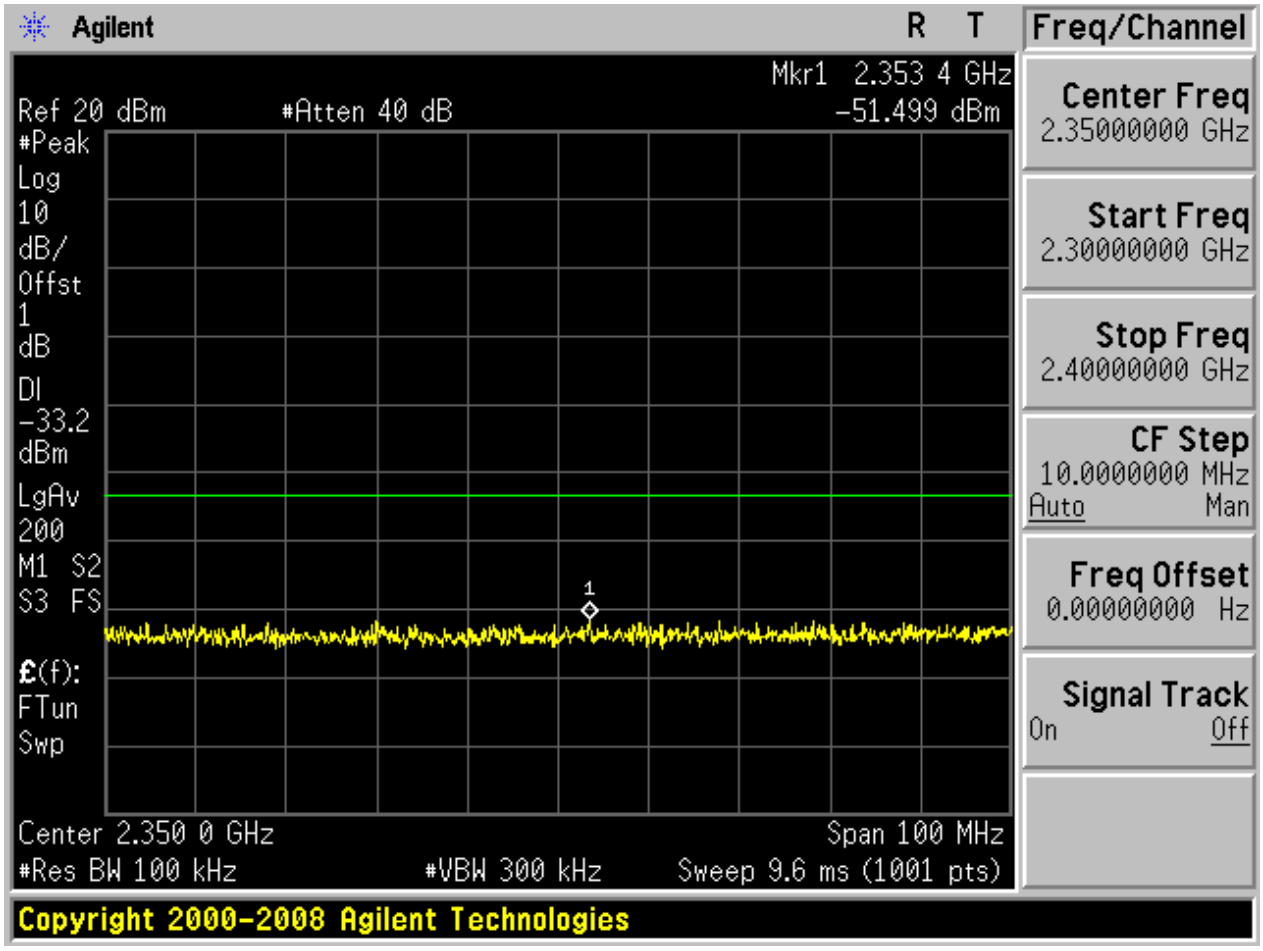

Agilent
R T
Freq/Channel
Mkr1 2.073 85 GHz
Ref 20 dBm
#Atten 40 dB
-50.419 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.2
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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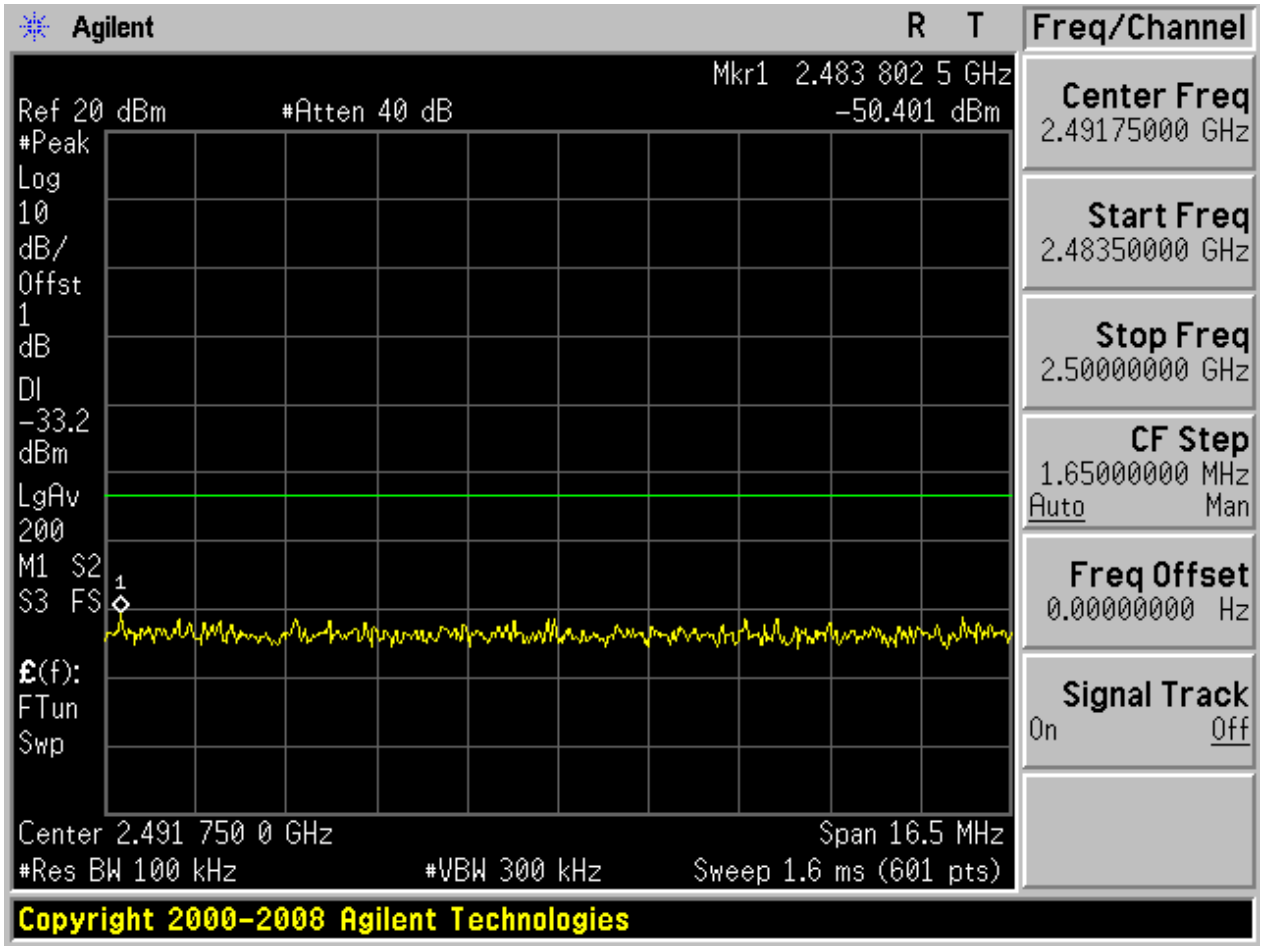
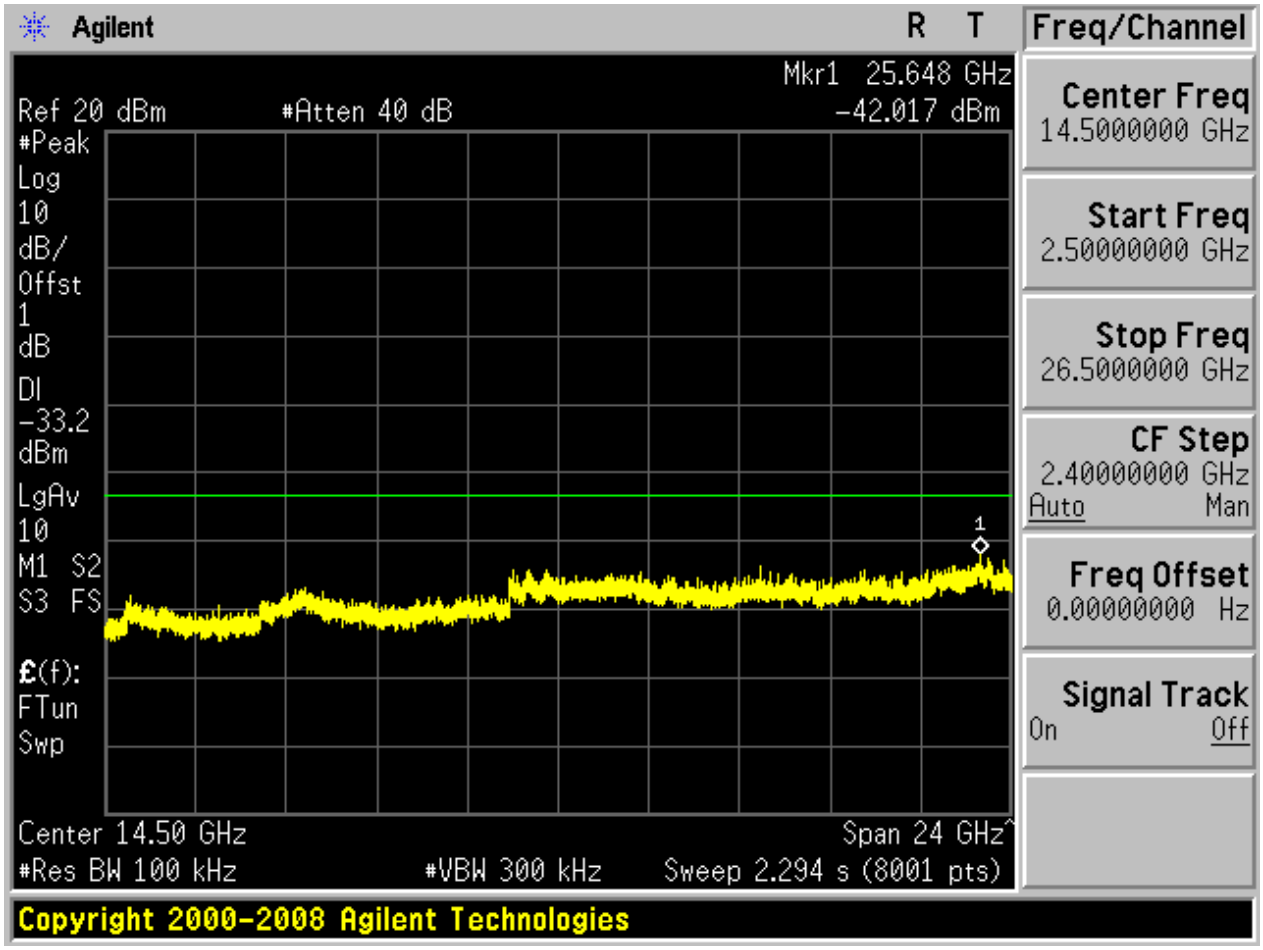

Agilent
R T
Freq/Channel
Mkr1 2.483 802 5 GHz
Ref 20 dBm
#Atten 40 dB
-50.401 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.2
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 25.648 GHz
Ref 20 dBm
#Atten 40 dB
-42.017 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.2
dBm
LgAv
10
M1 S2
S3 FS
£(f):
FTun
Swp
Center 14.50 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8001 pts)
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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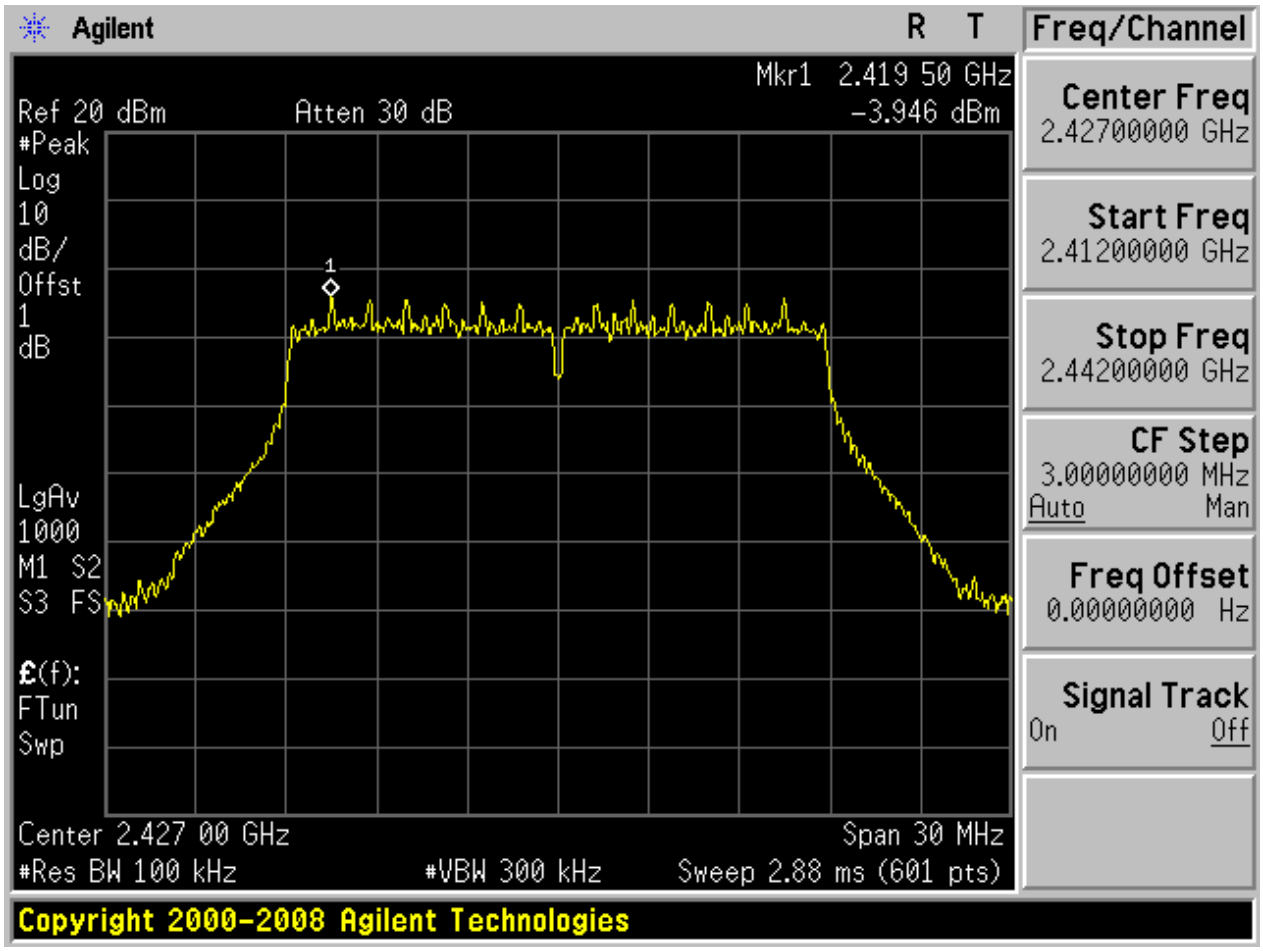
Pref:



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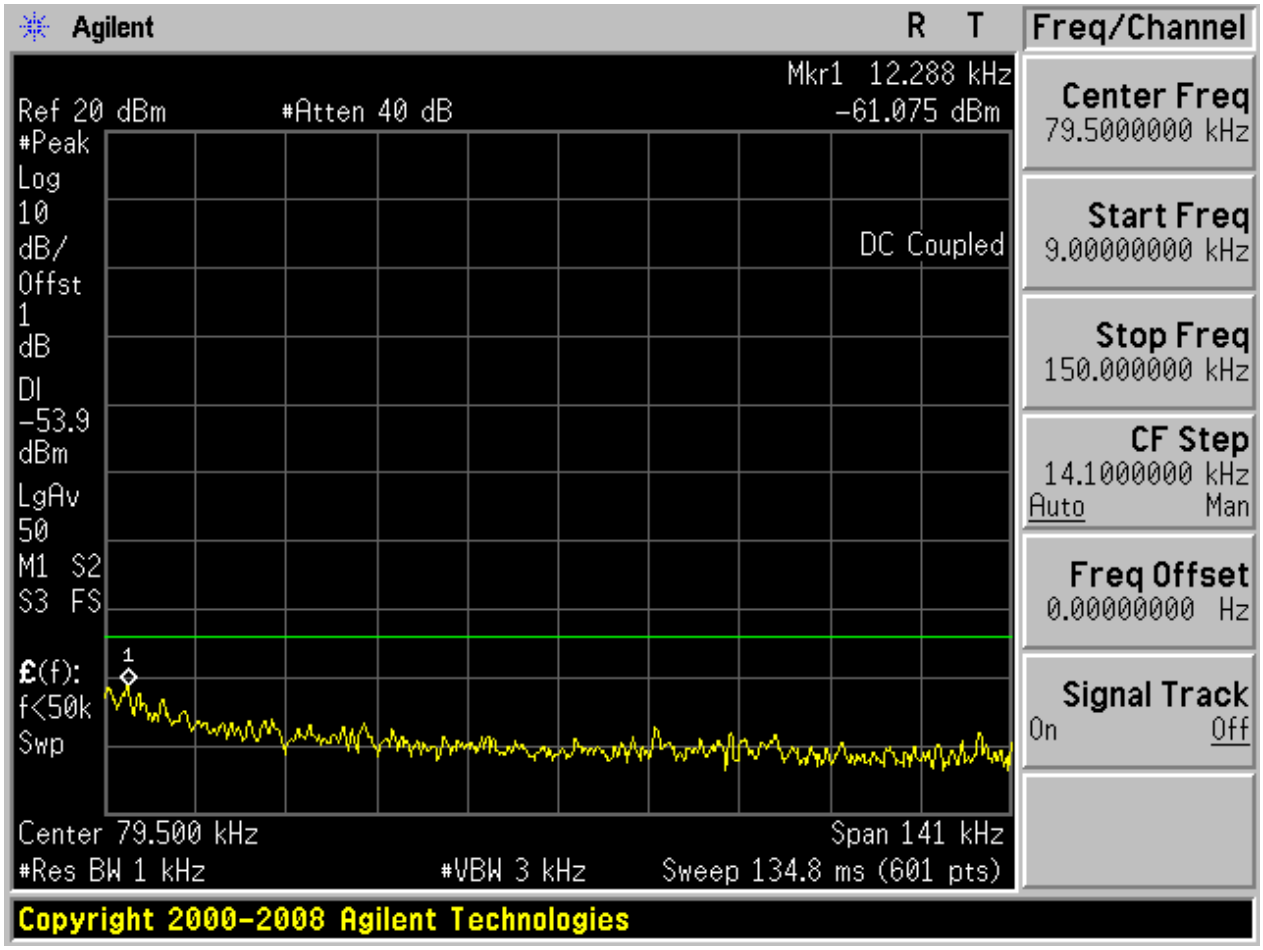

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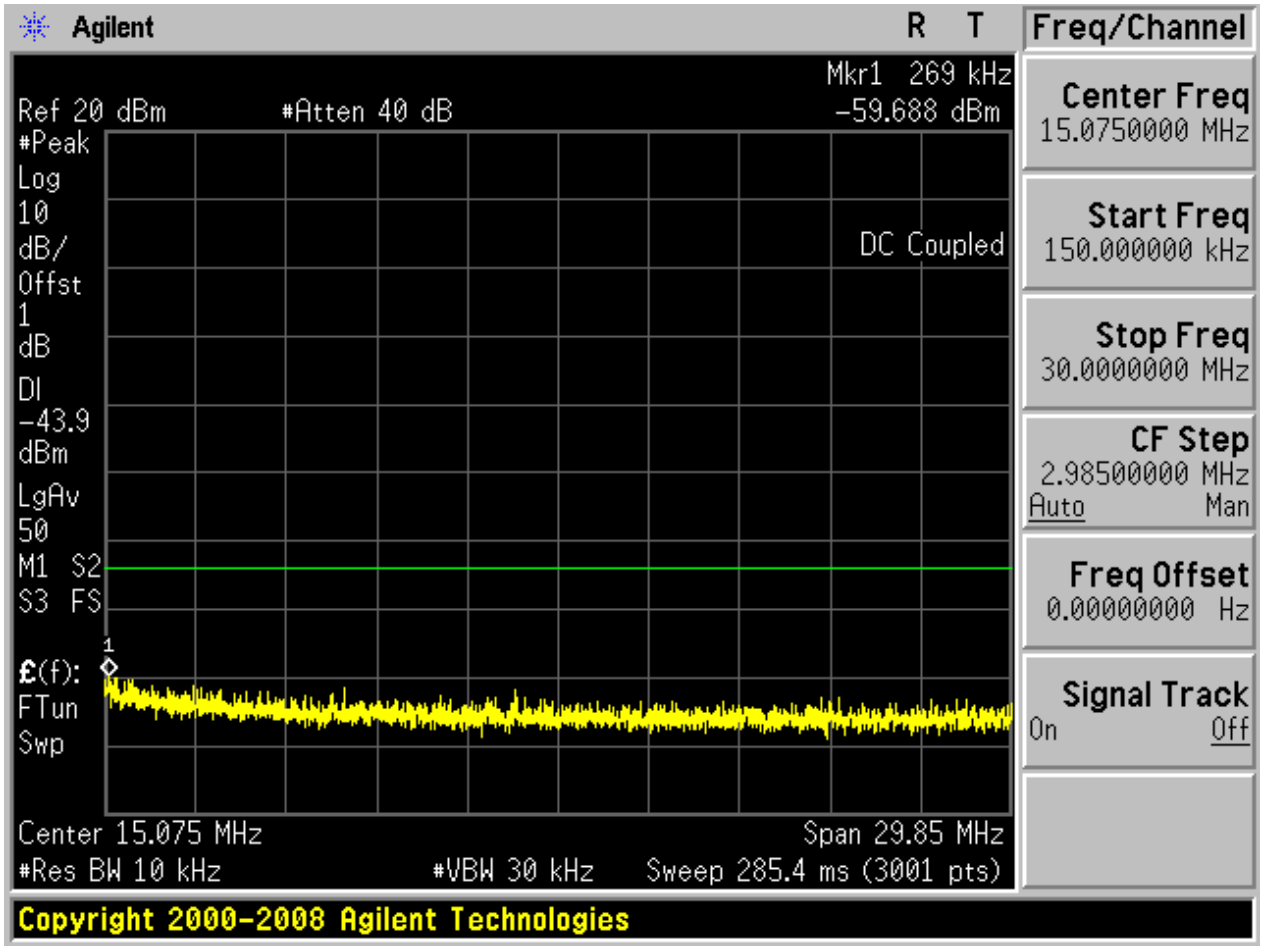
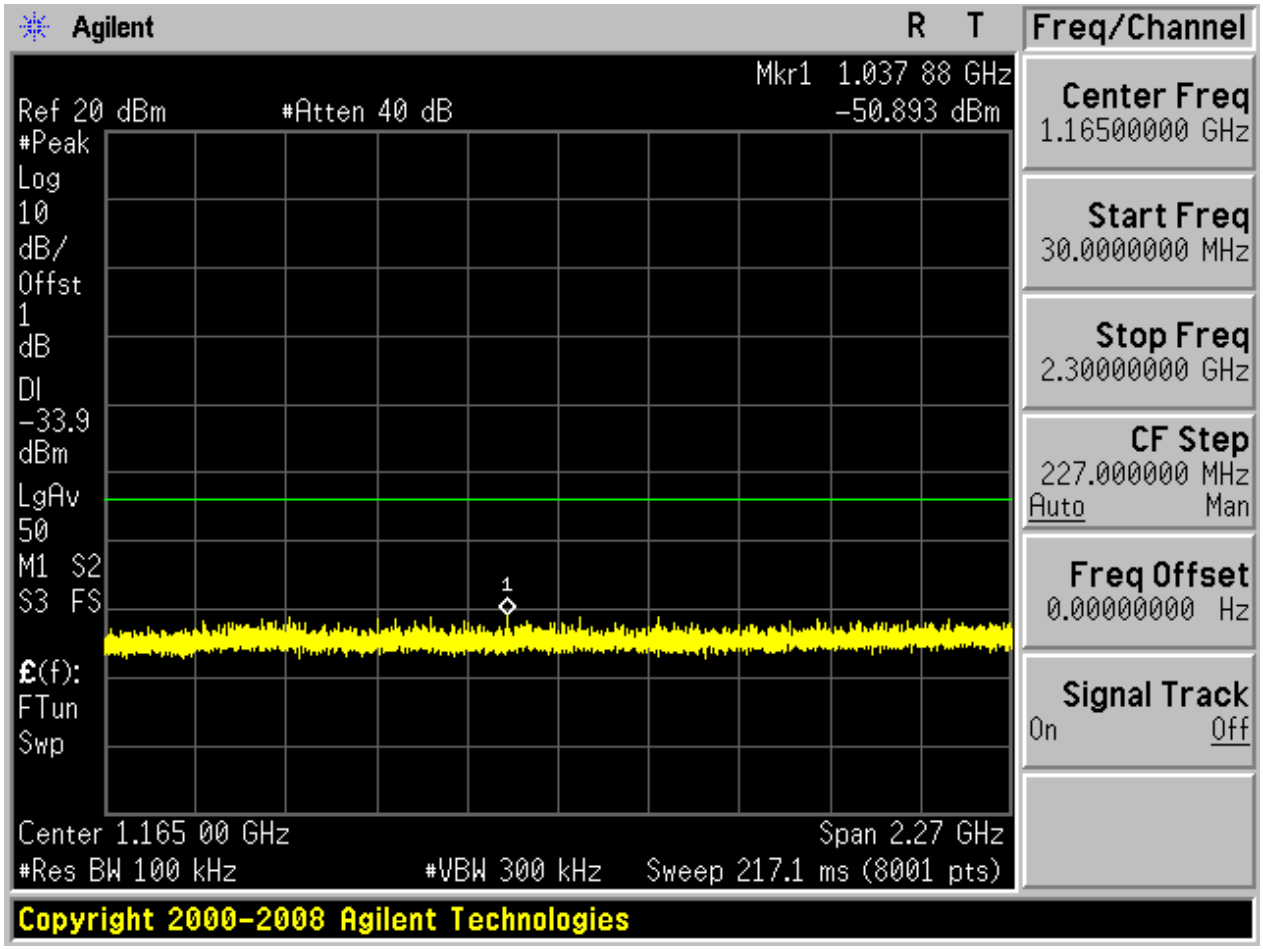
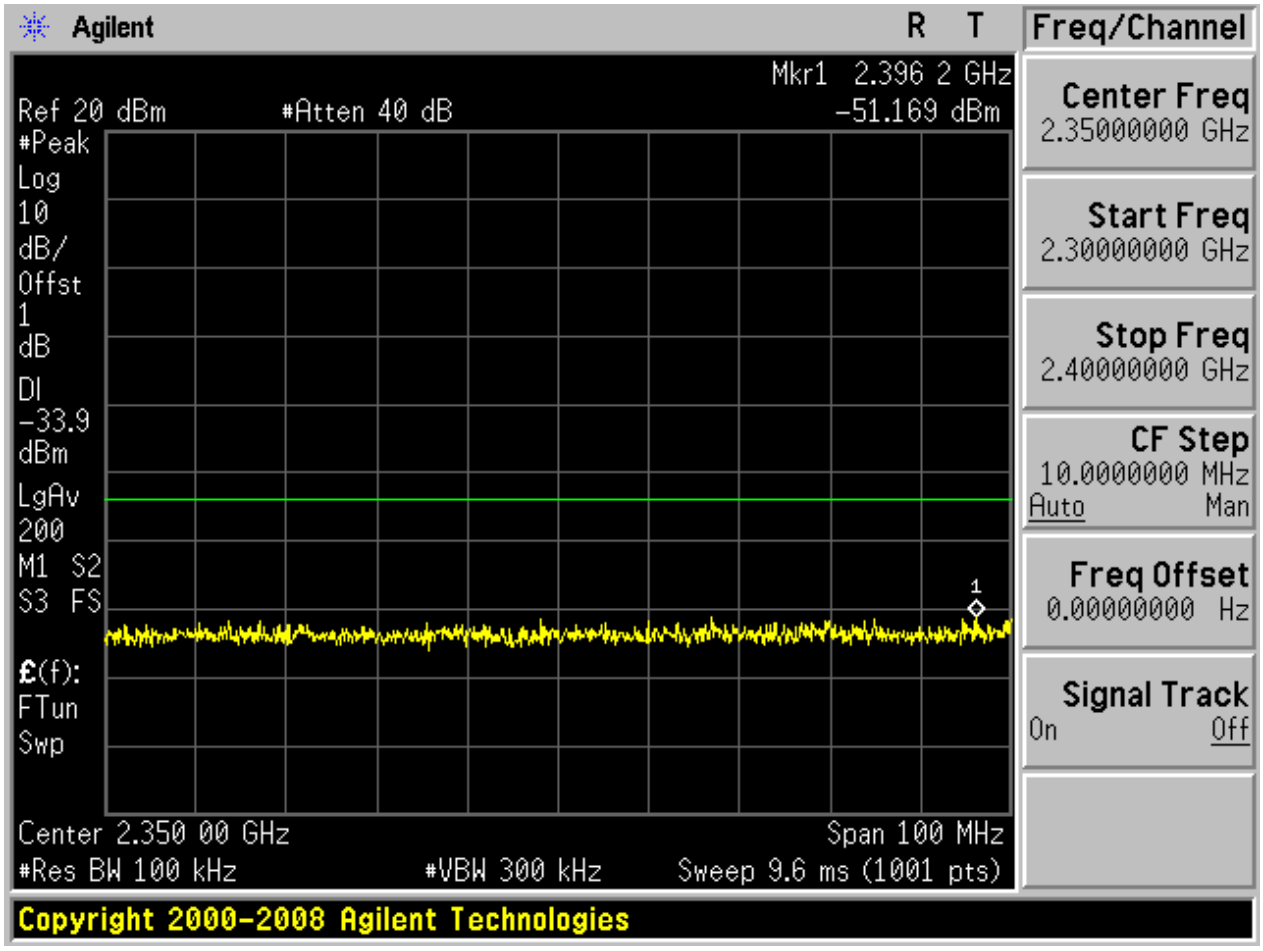
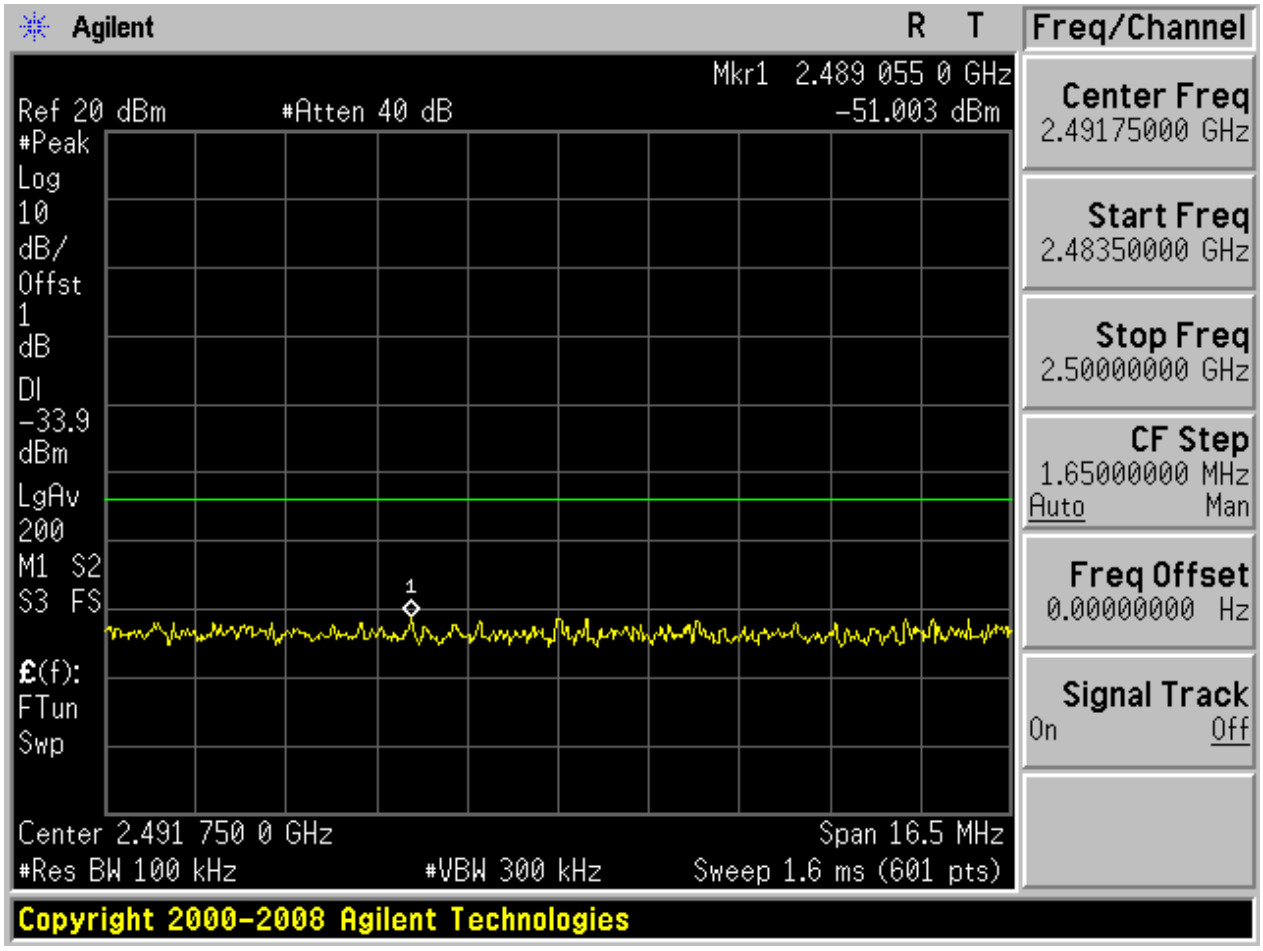
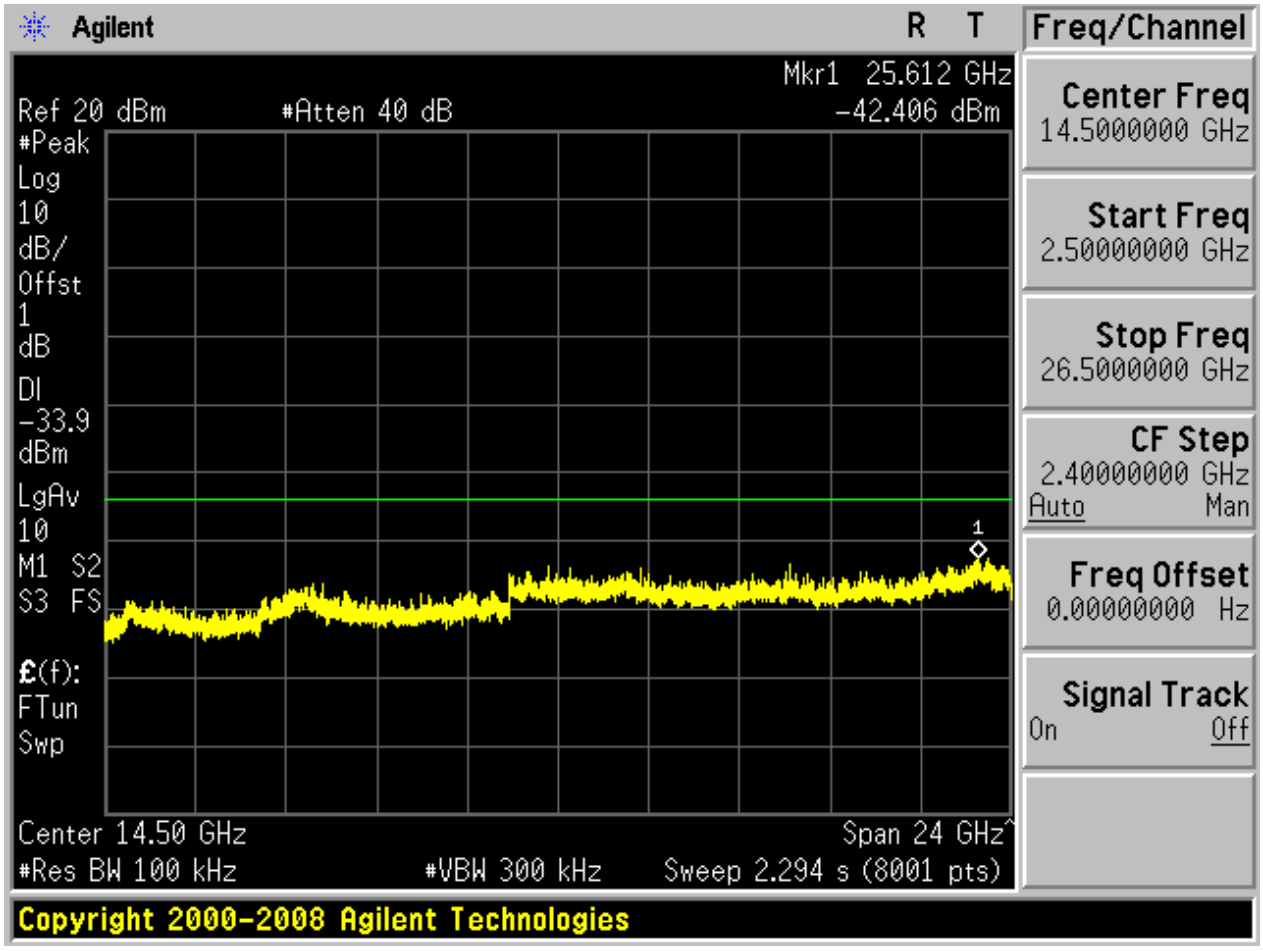

Agilent
R T
Freq/Channel
Mkr1 269 kHz
Ref 20 dBm
#Atten 40 dB
-59.688 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-43.9
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 1.037 88 GHz
Ref 20 dBm
#Atten 40 dB
-50.893 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.9
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.396 2 GHz
Ref 20 dBm
#Atten 40 dB
-51.169 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.9
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 2.350 00 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.6 ms (1001 pts)
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.489 055 0 GHz
Ref 20 dBm
#Atten 40 dB
-51.003 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.9
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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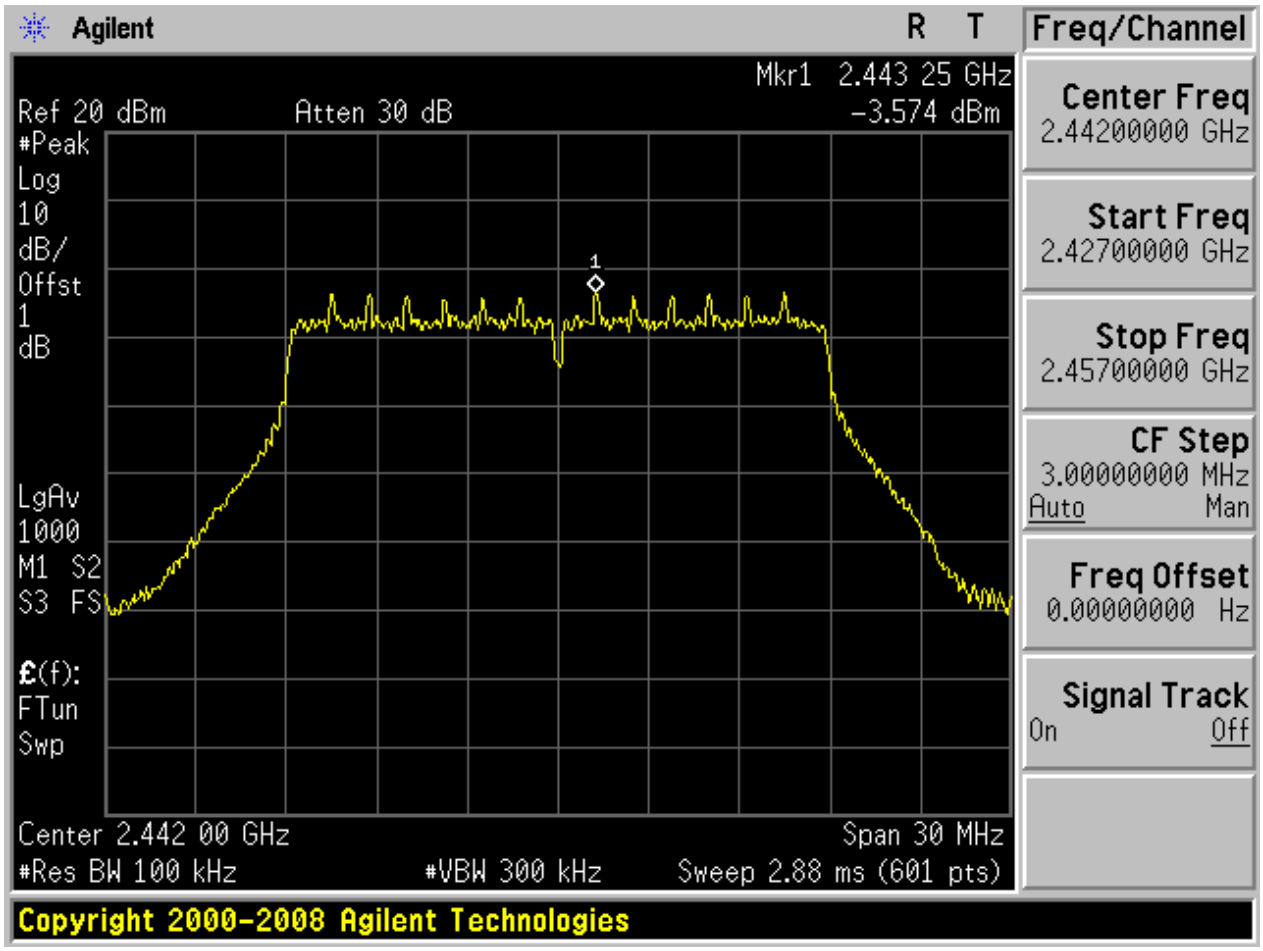
2.17 11N20m_H@Ant 1

Pref:



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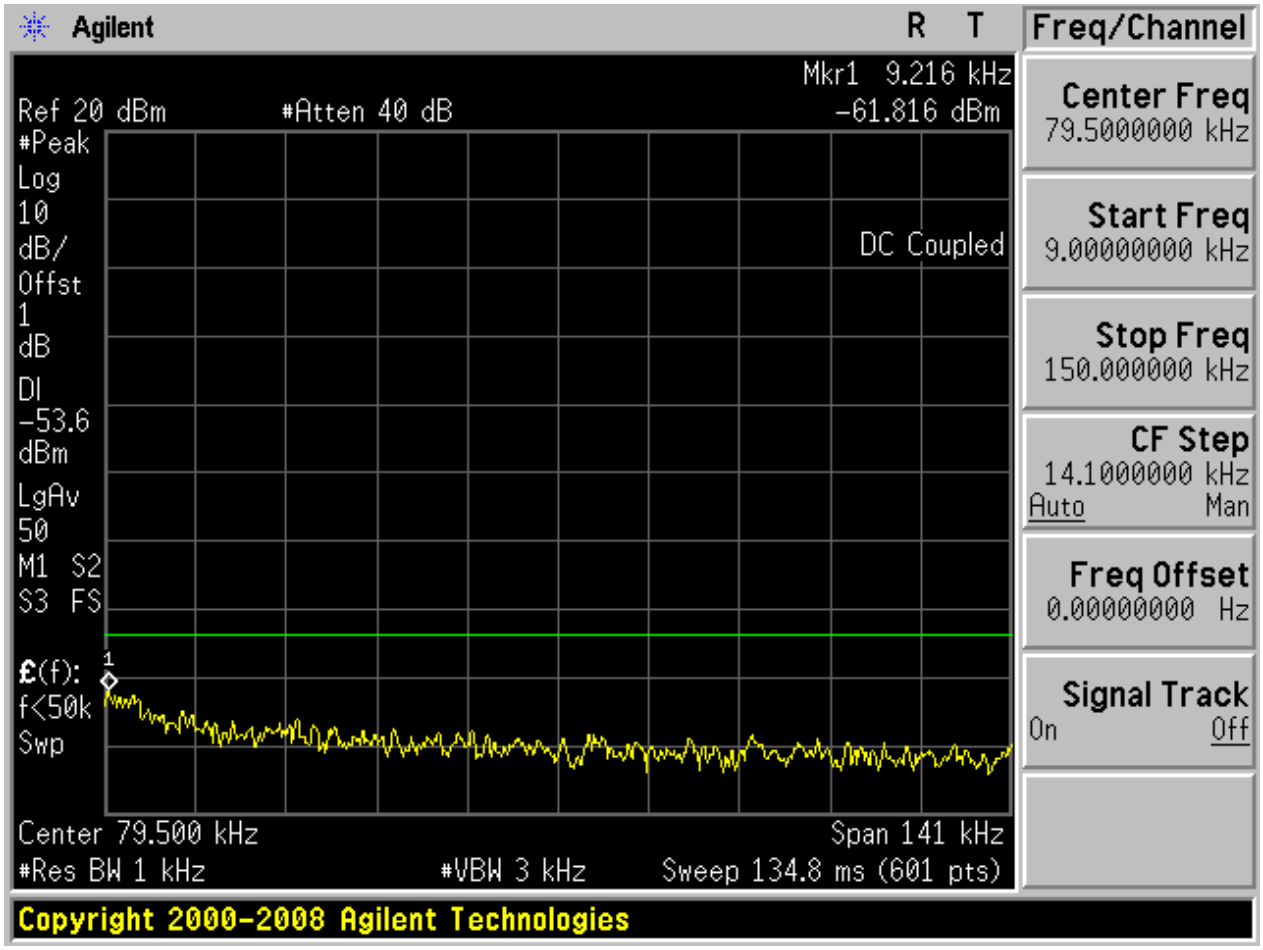
Puw:



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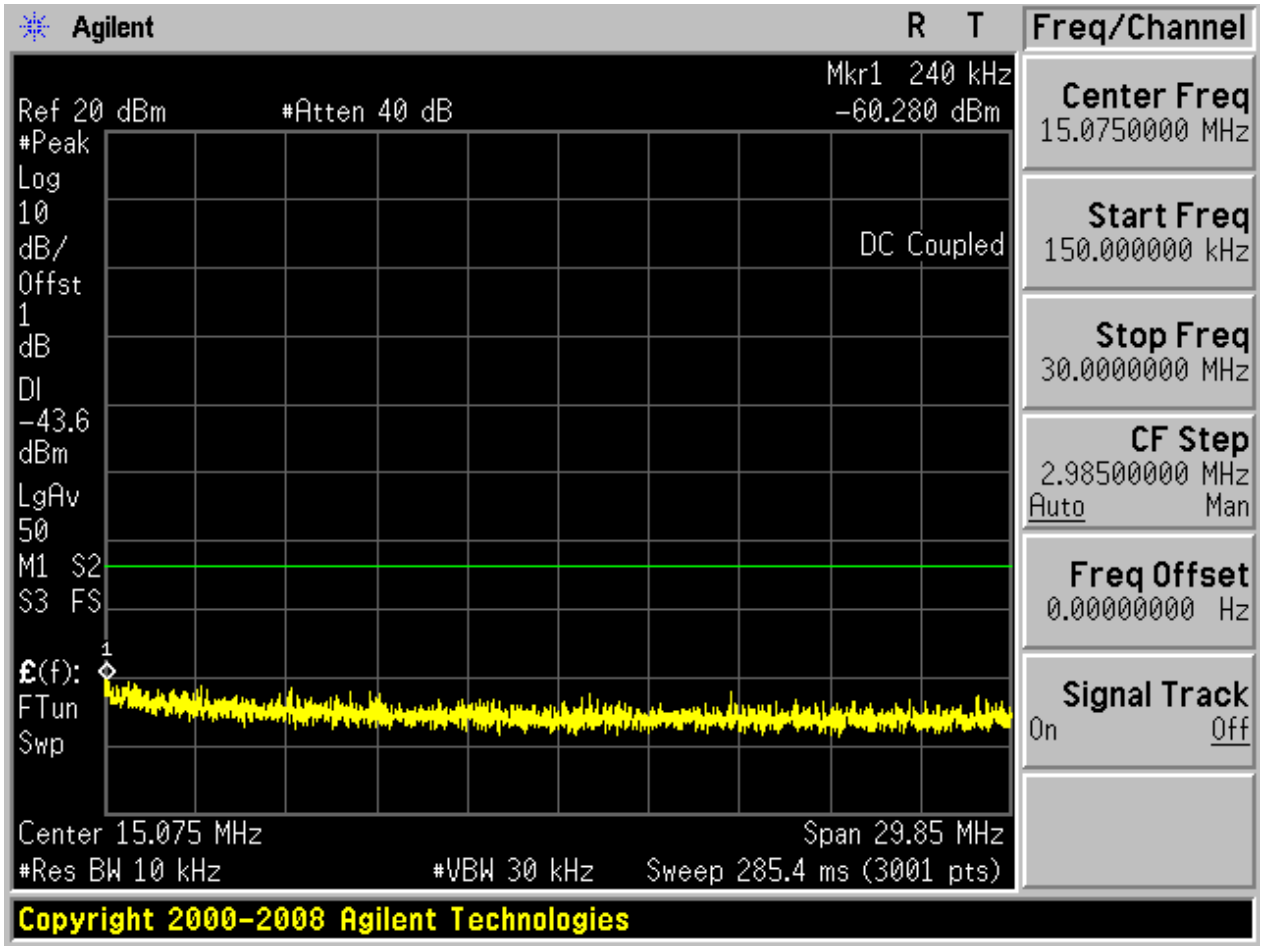

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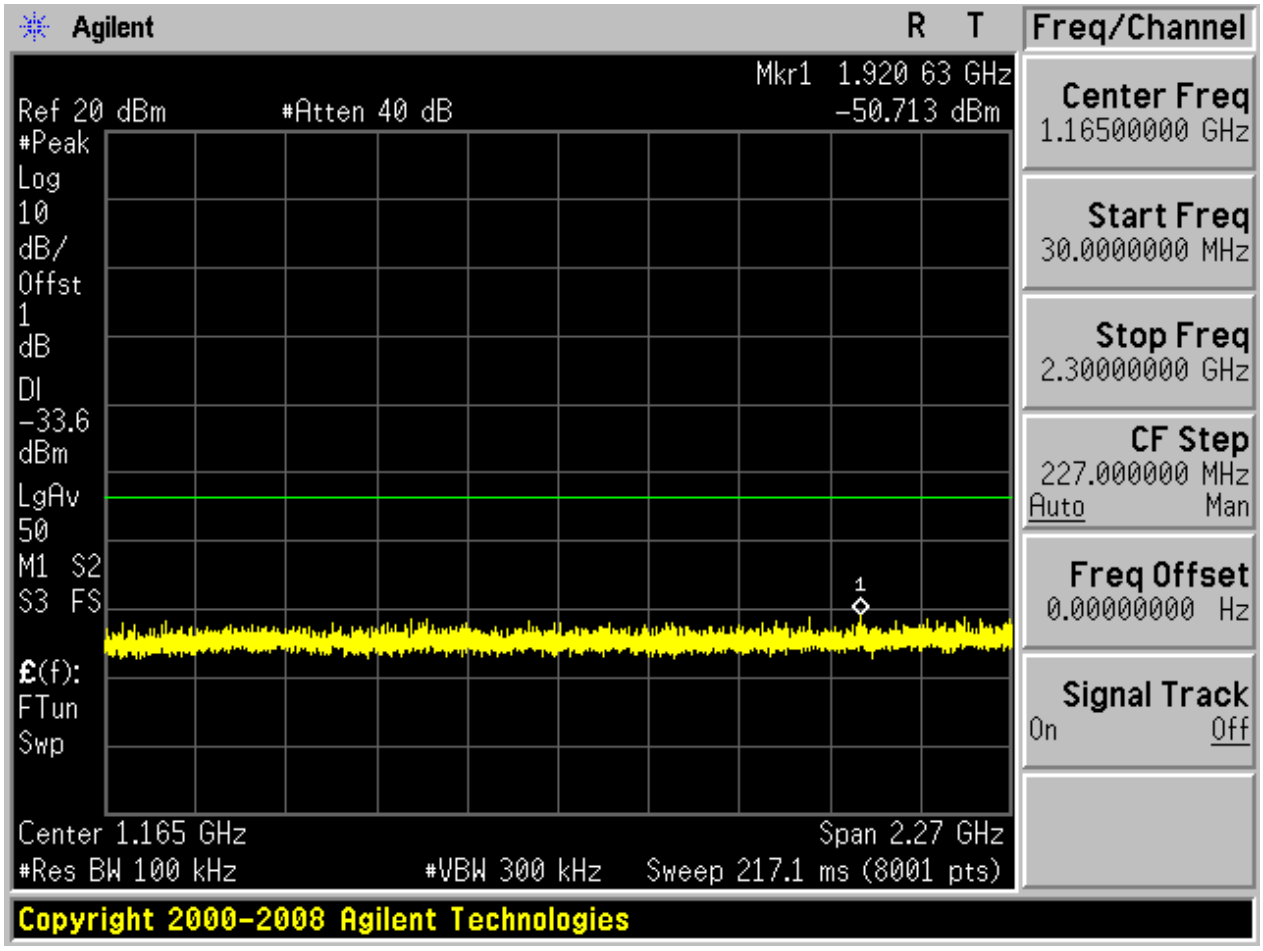
Agilent
R T
Freq/Channel
Mkr1 1.920 63 GHz
Ref 20 dBm
#Atten 40 dB
-50.713 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.6
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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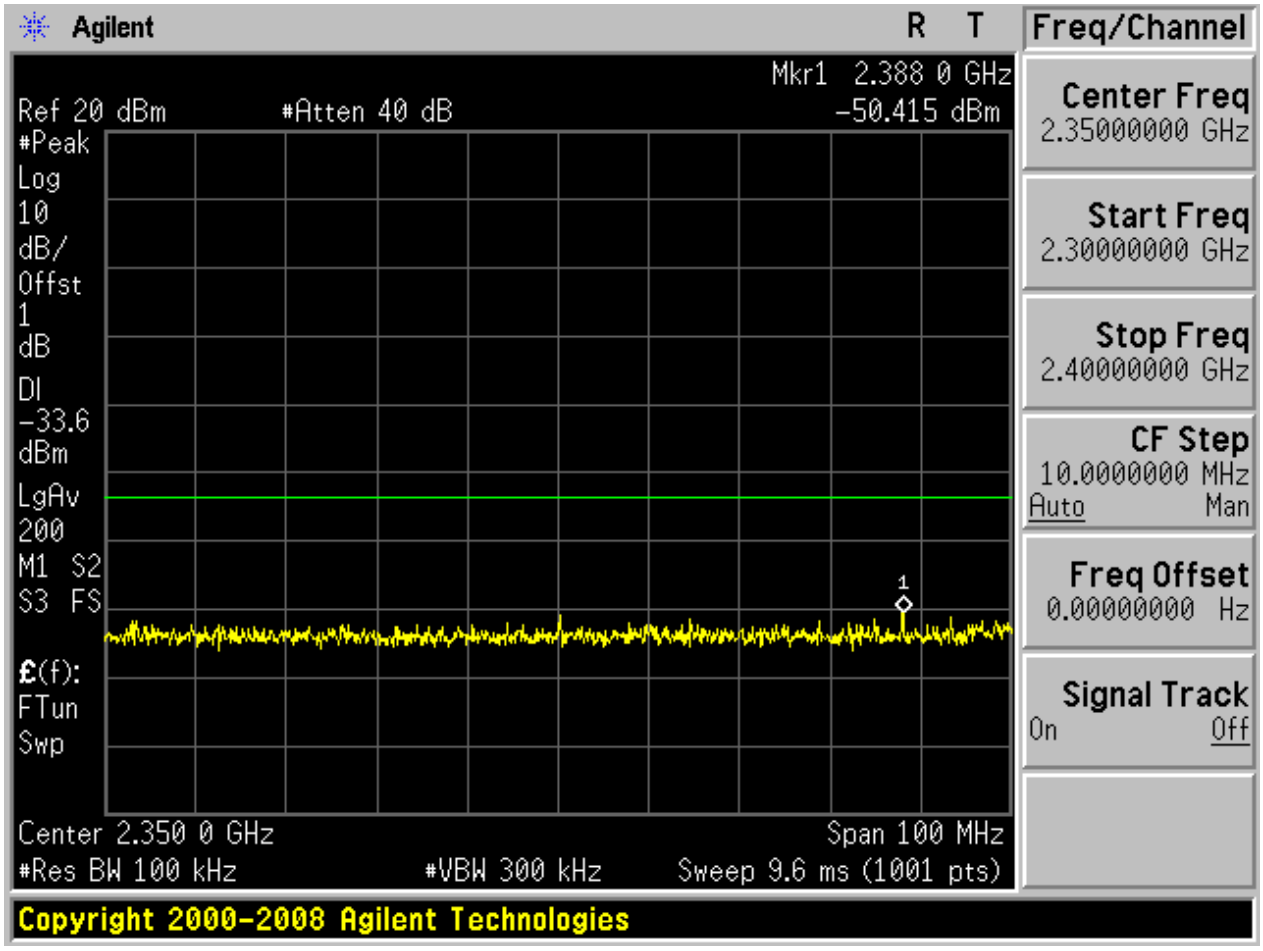
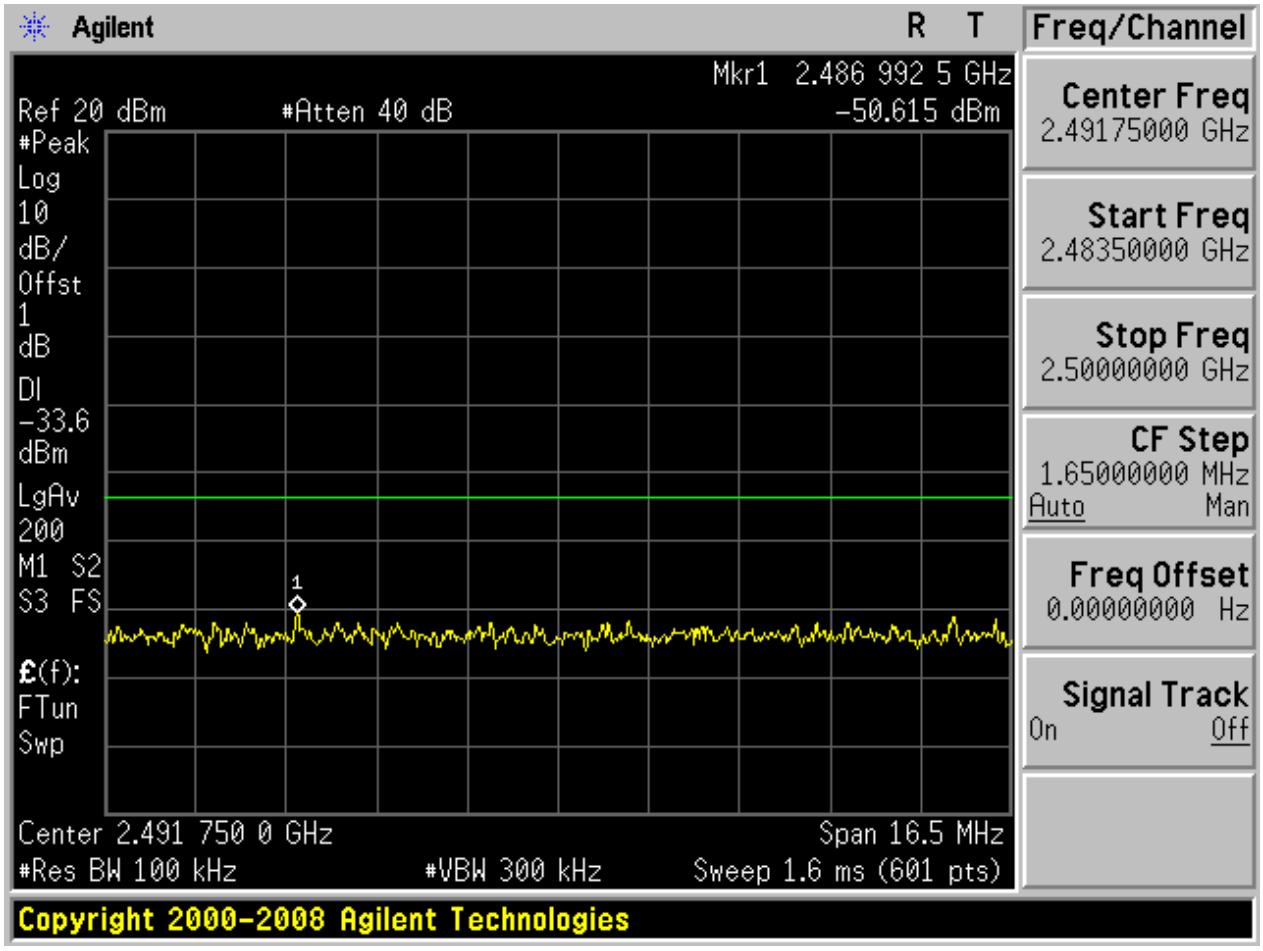

Agilent
R T
Freq/Channel
Mkr1 2.388 0 GHz
Ref 20 dBm
#Atten 40 dB
-50.415 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.6
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 2.350 0 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.6 ms (1001 pts)
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.486 992 5 GHz
Ref 20 dBm
#Atten 40 dB
-50.615 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.6
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
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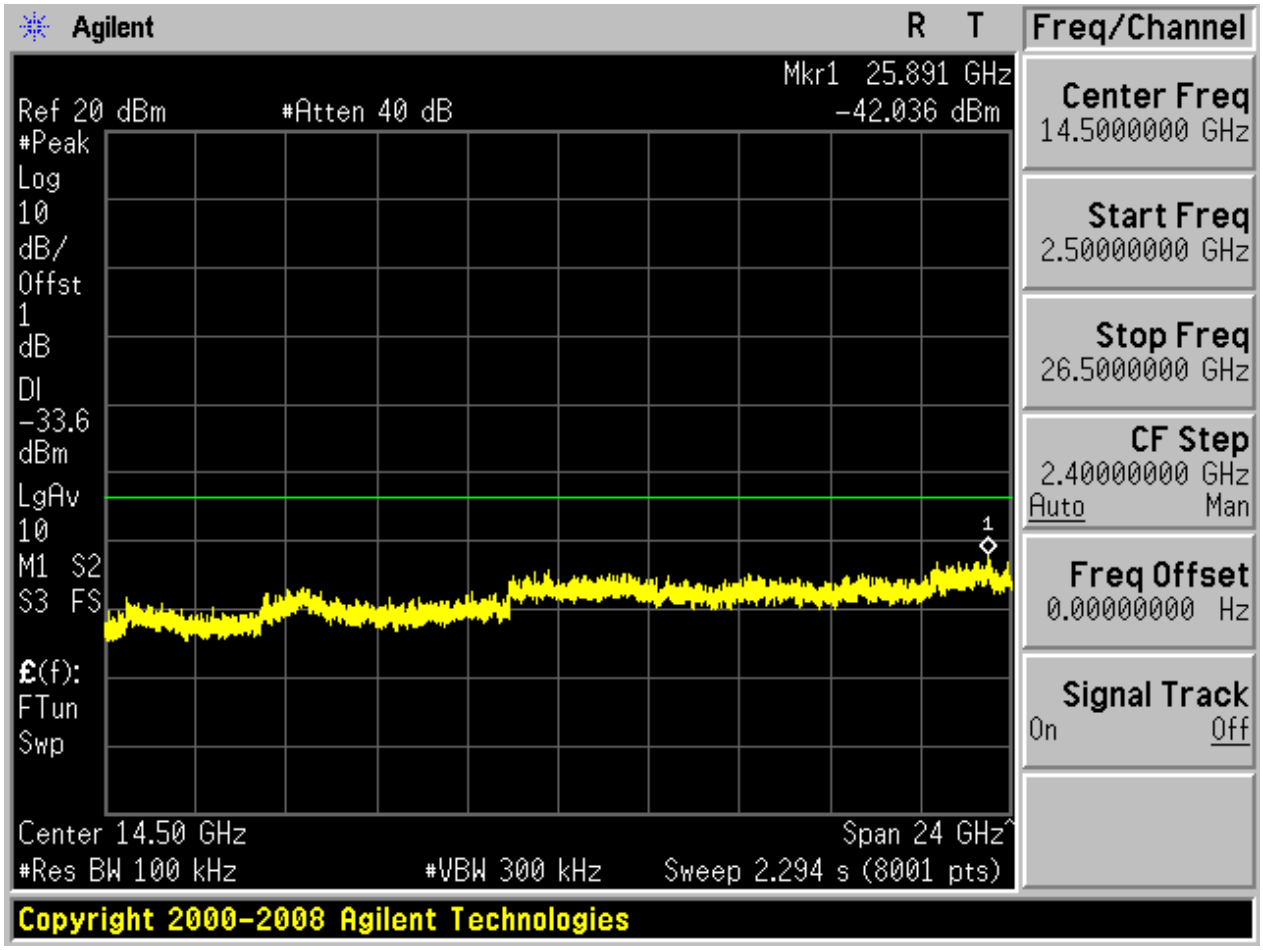
Agilent
R T
Freq/Channel
Mkr1 25.891 GHz
Ref 20 dBm
#Atten 40 dB
-42.036 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.6
dBm
LgAv
10
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 14.50 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8001 pts)
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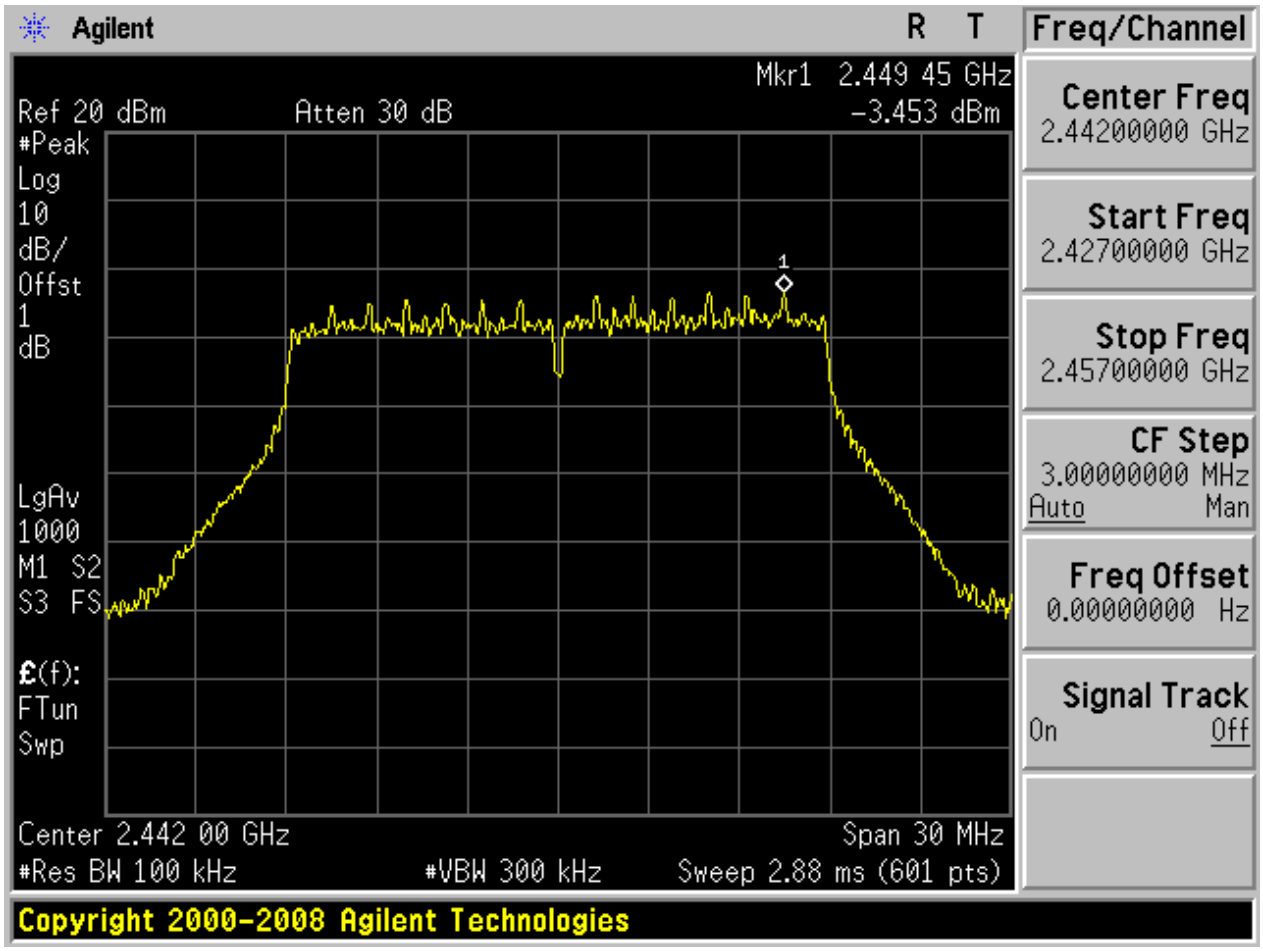
2.18 11N20m_H@Ant 2

Pref:



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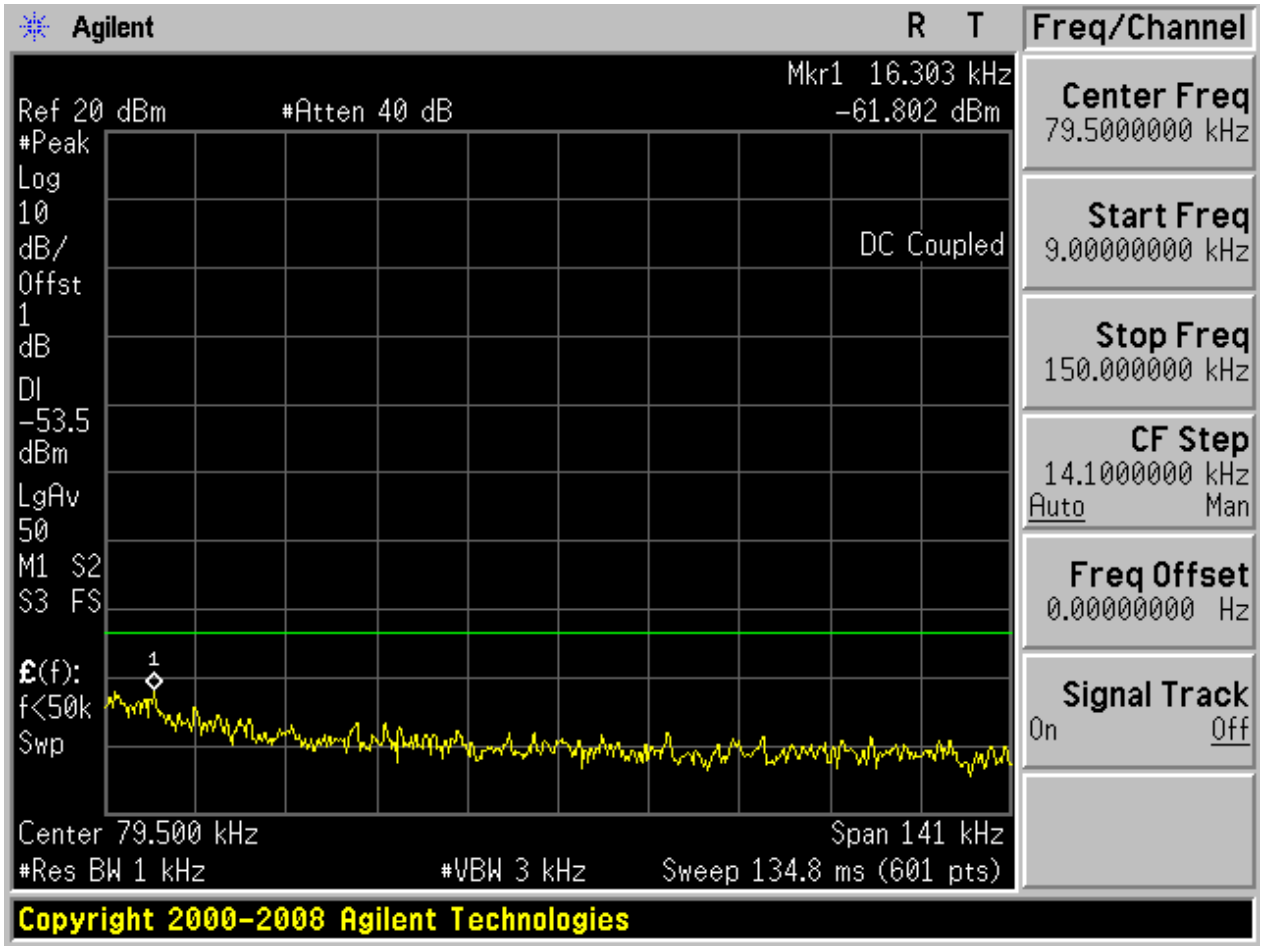

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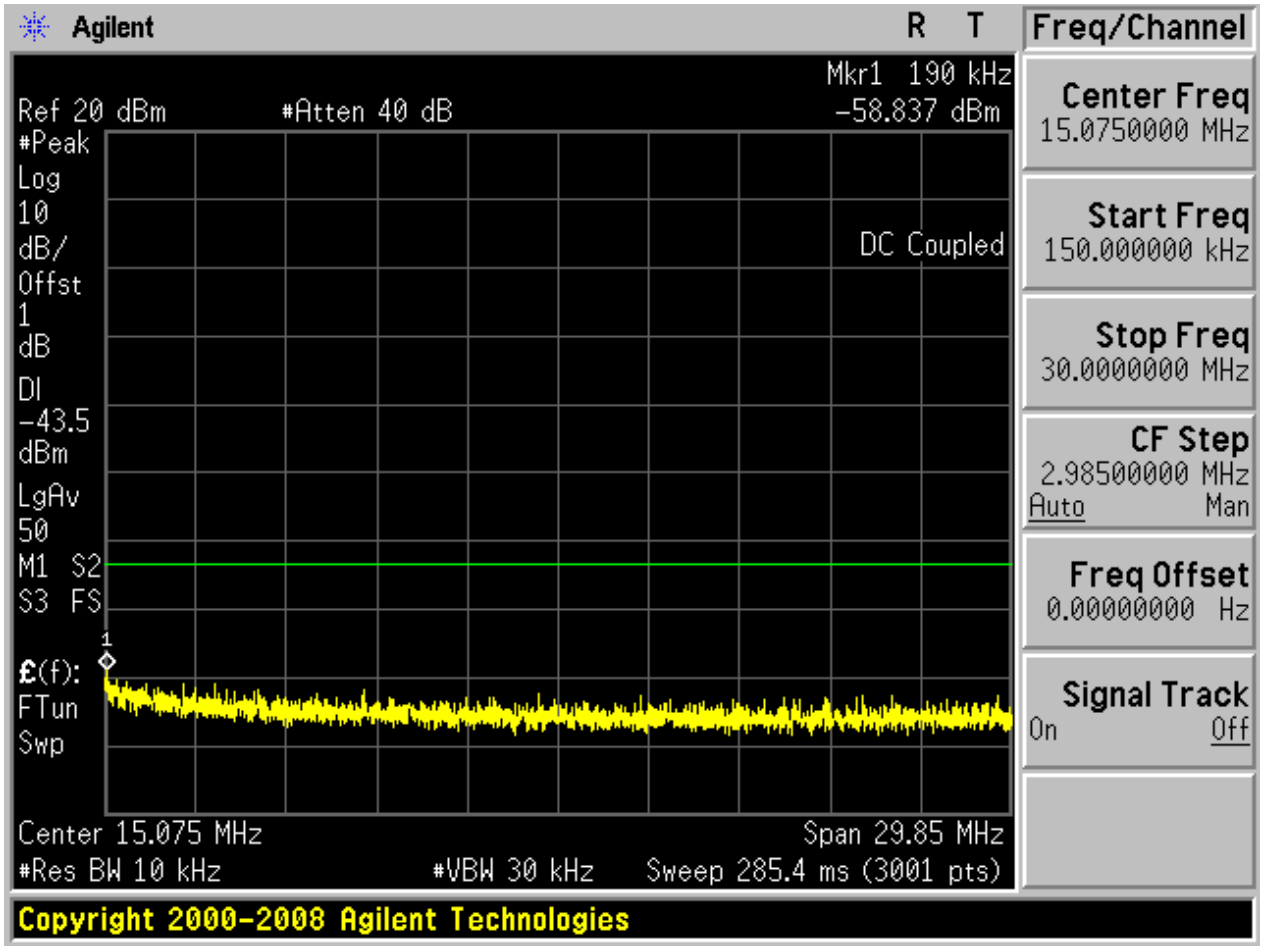
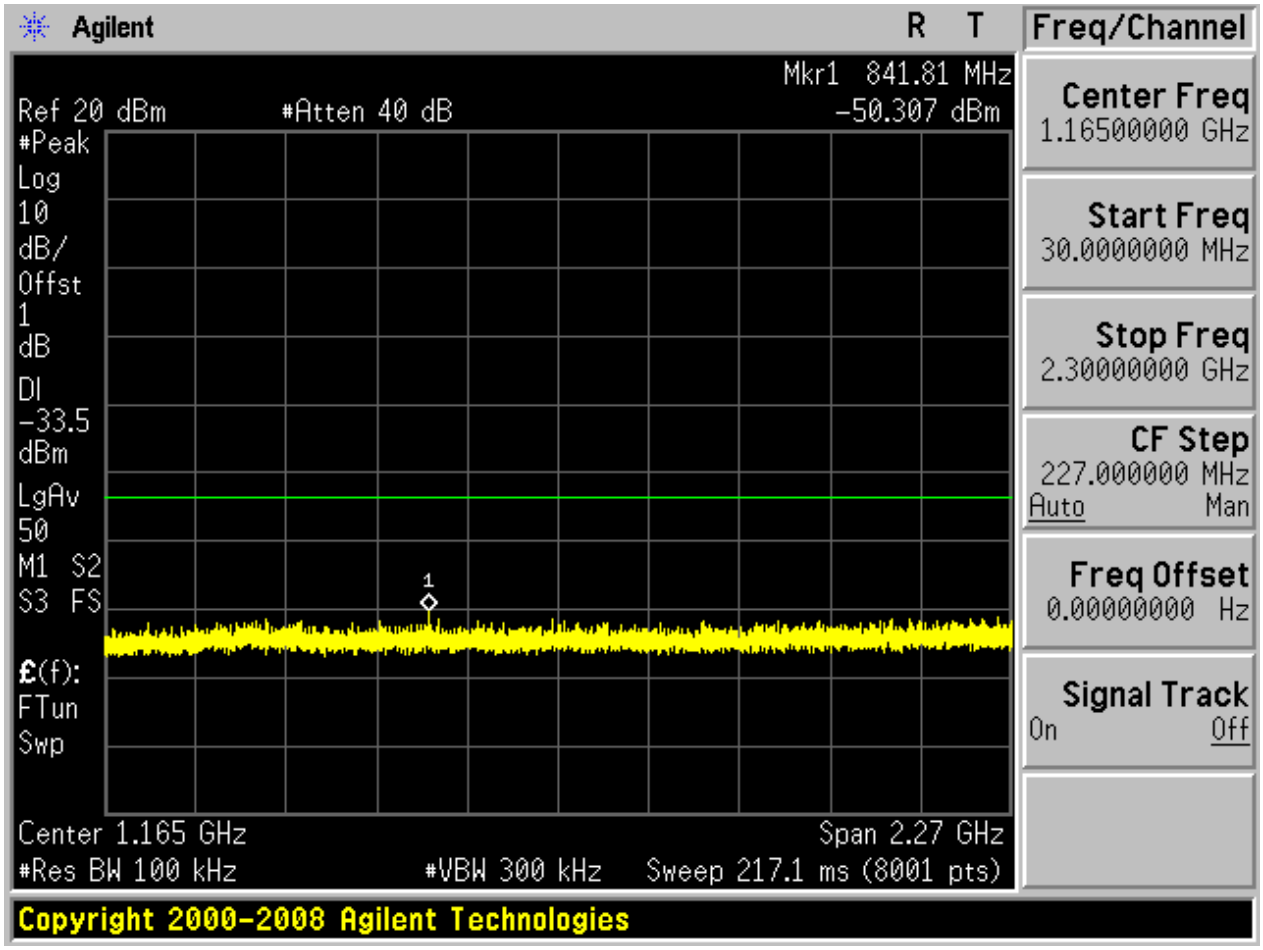

Agilent
R T
Freq/Channel
Mkr1 190 kHz
Ref 20 dBm
#Atten 40 dB
-58.837 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-43.5
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 841.81 MHz
Ref 20 dBm
#Atten 40 dB
-50.307 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.5
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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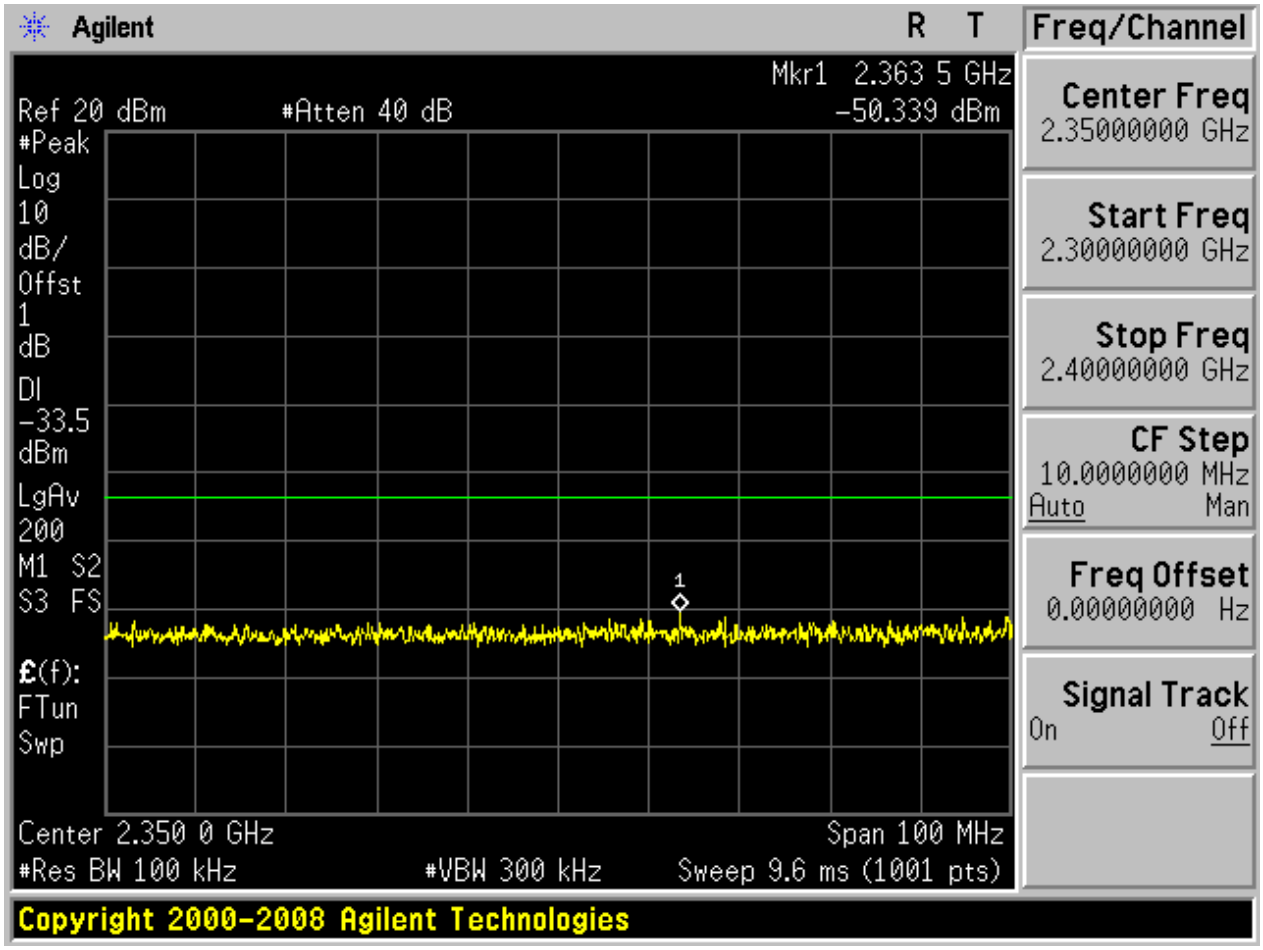
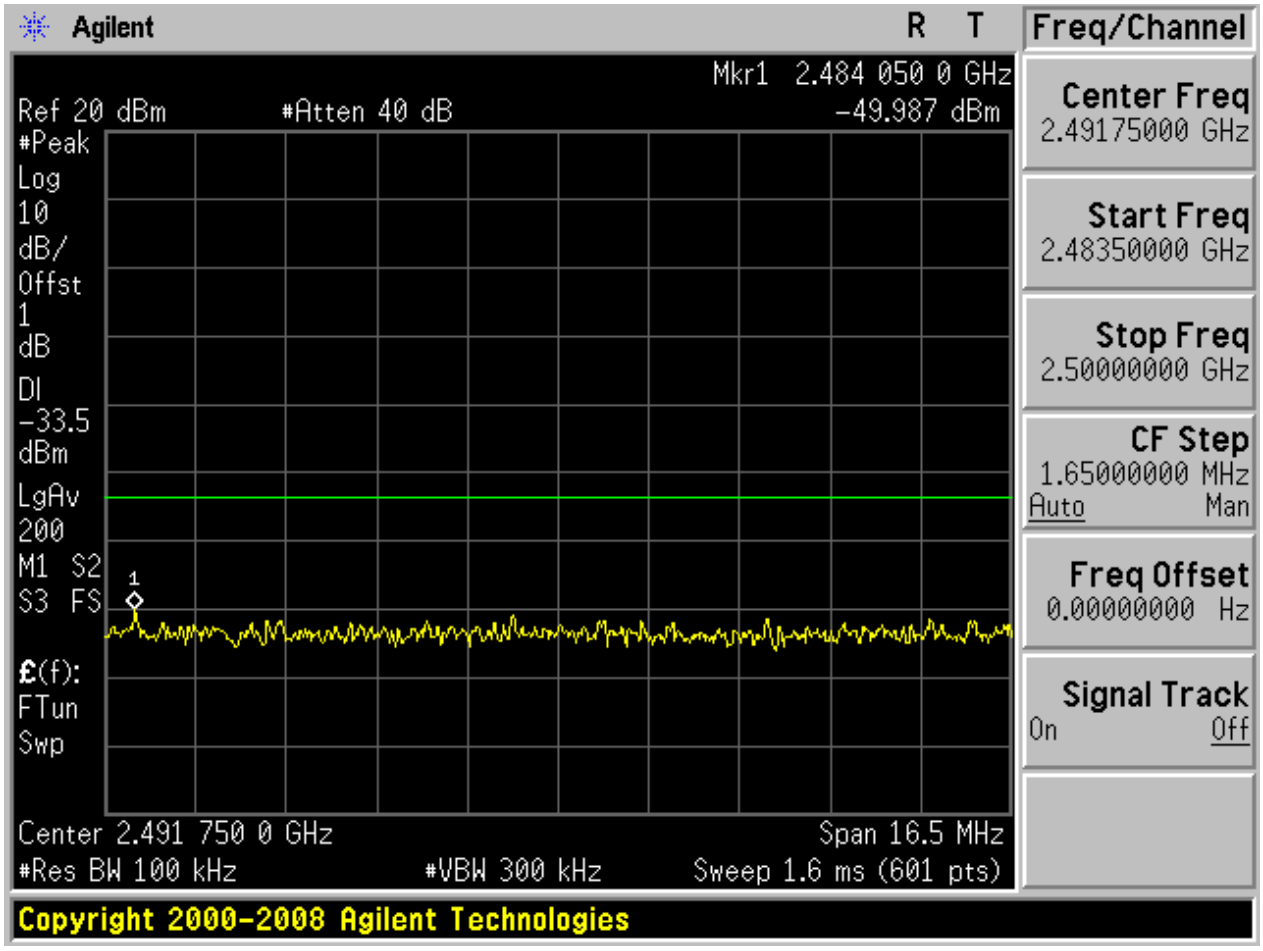

Agilent
R T
Freq/Channel
Mkr1 2.363 5 GHz
Ref 20 dBm
#Atten 40 dB
-50.339 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-33.5
dBm
LgAv
200
M1 S2
S3 FS
1
£(f):
FTun
Swp
Center 2.350 0 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.6 ms (1001 pts)
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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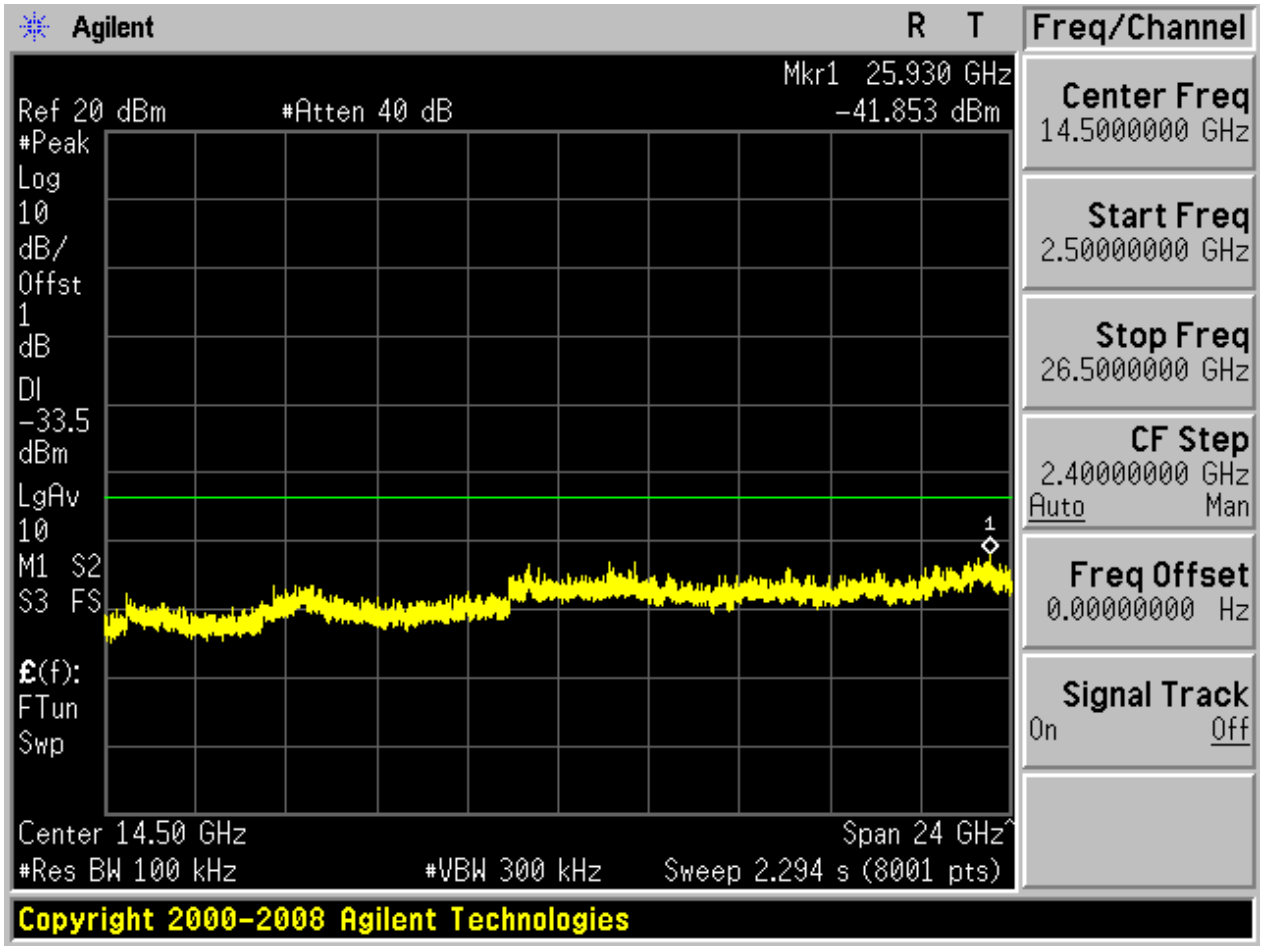

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2.19 11N40_L@Ant 1

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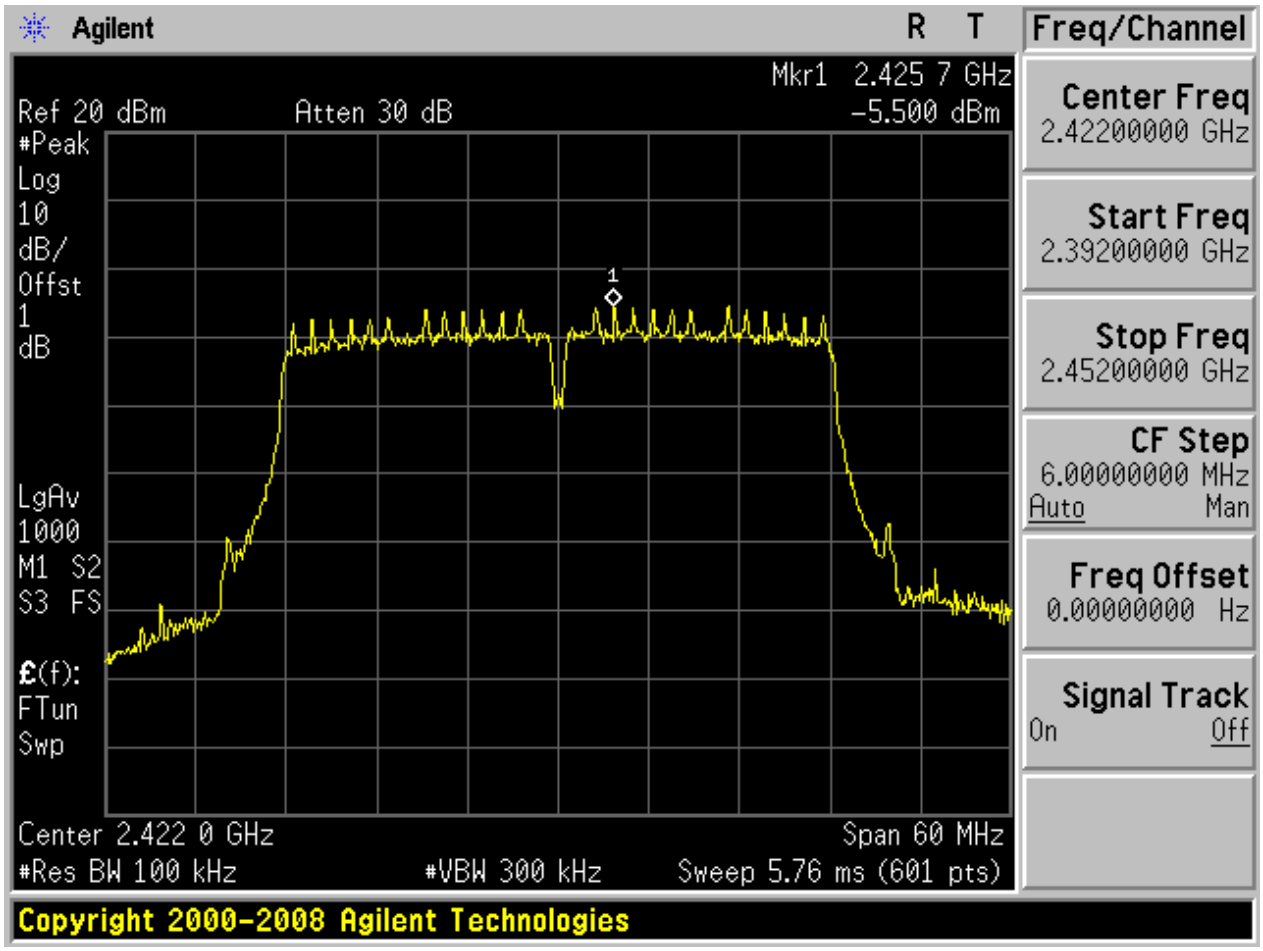

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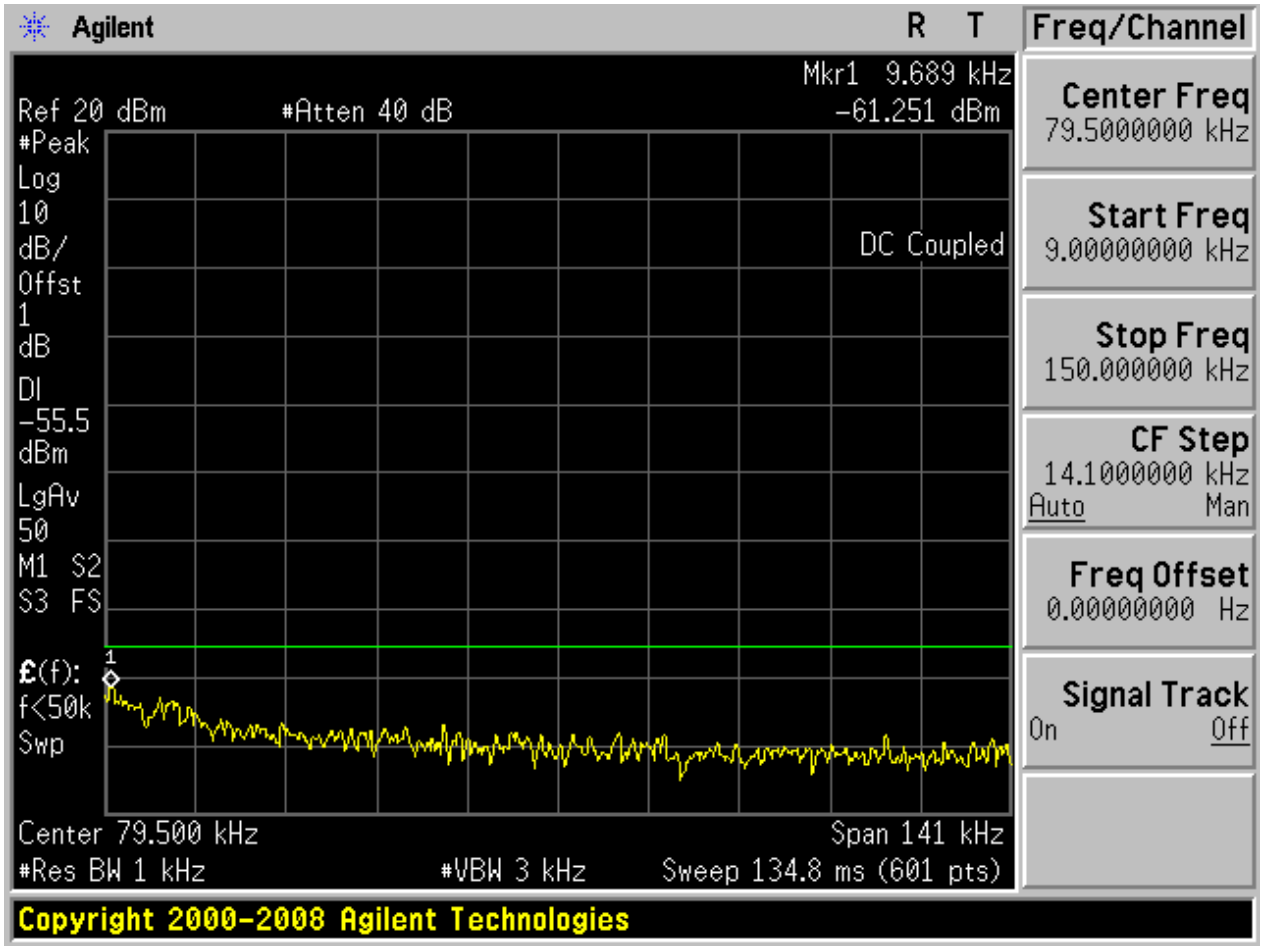
Puw:



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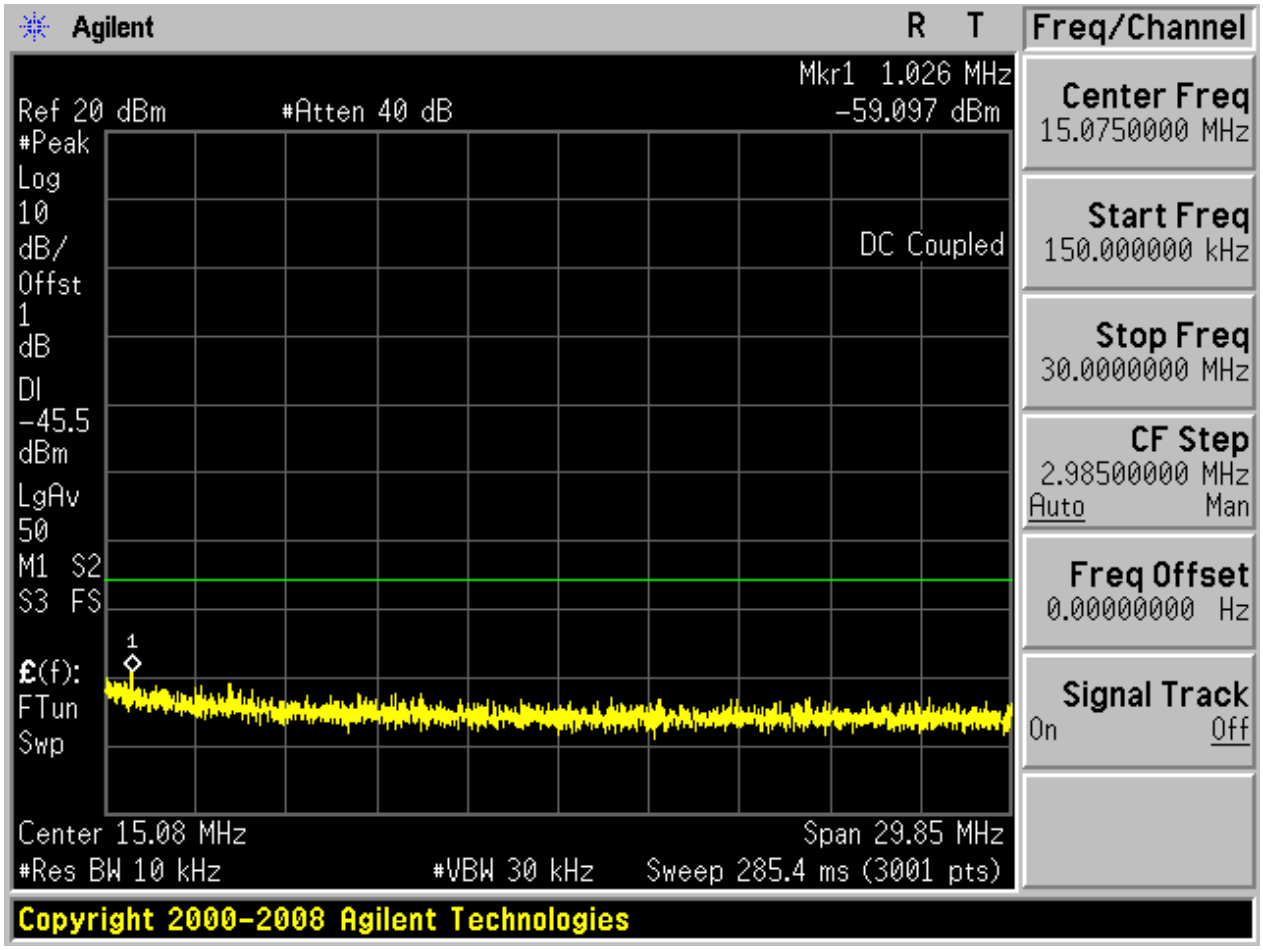
Agilent
R T
Freq/Channel
Mkr1 1.026 MHz
Ref 20 dBm
#Atten 40 dB
-59.097 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-45.5
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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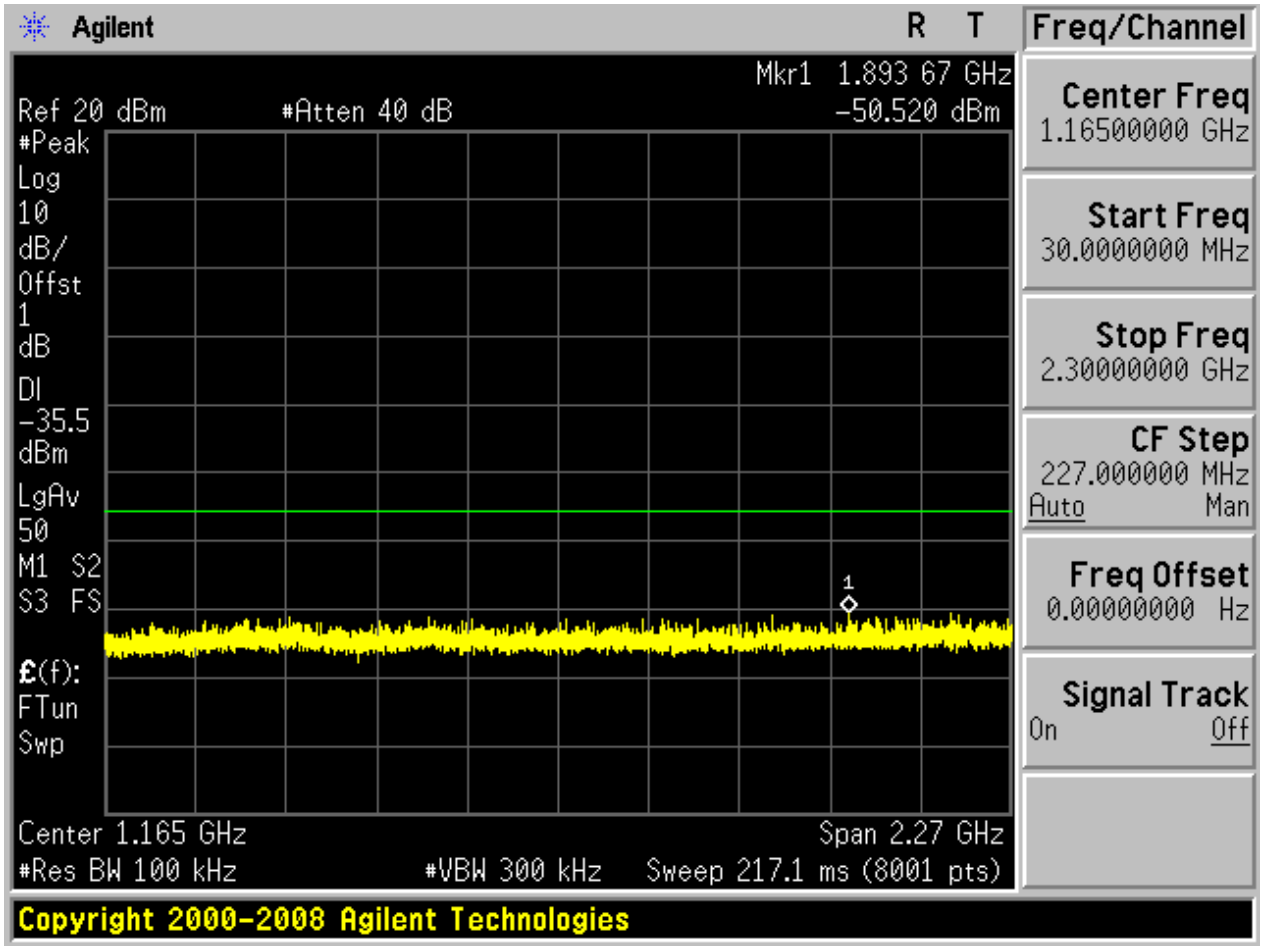
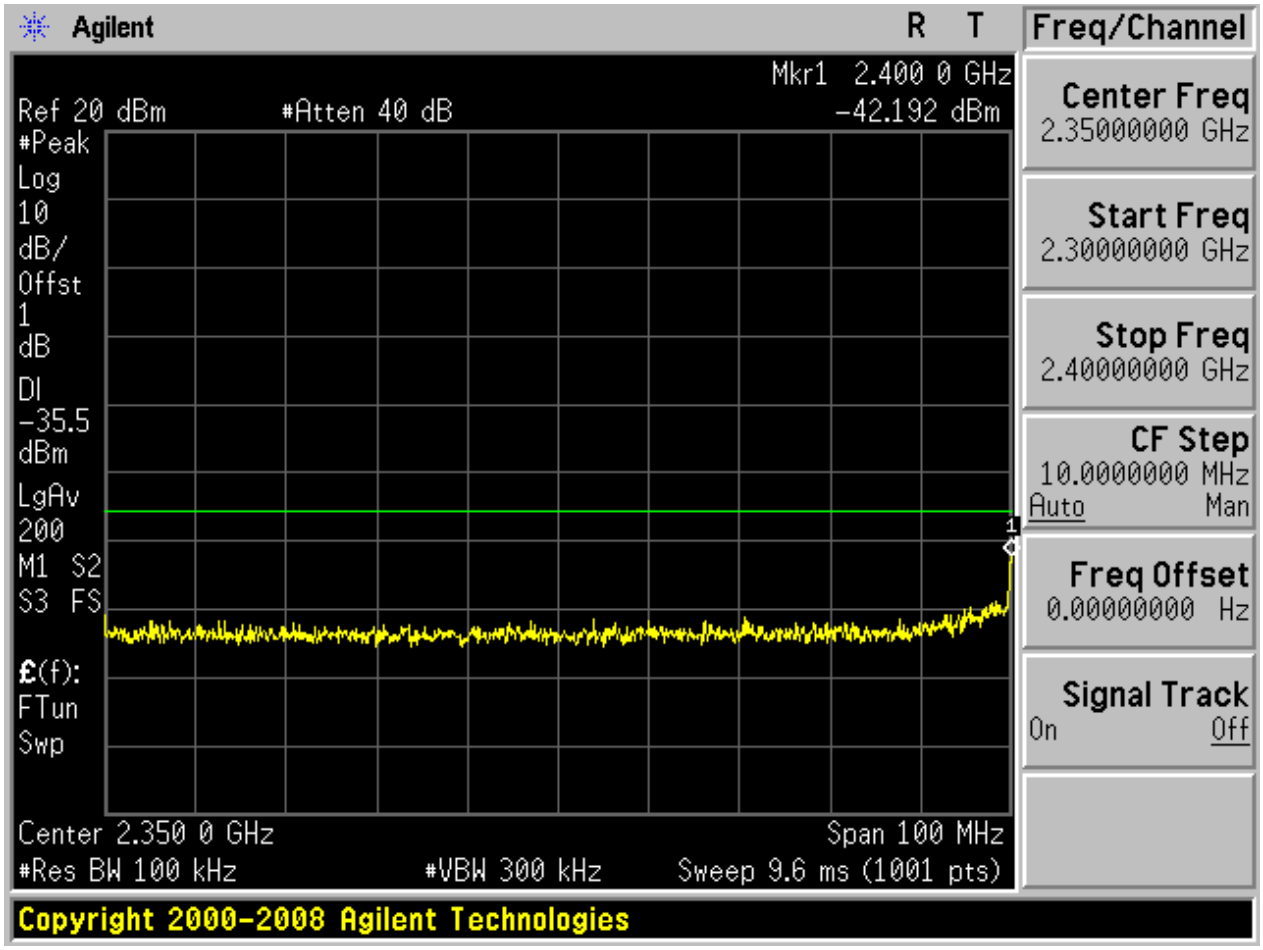

Agilent
R T
Freq/Channel
Mkr1 1.893 67 GHz
Ref 20 dBm
#Atten 40 dB
-50.520 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-35.5
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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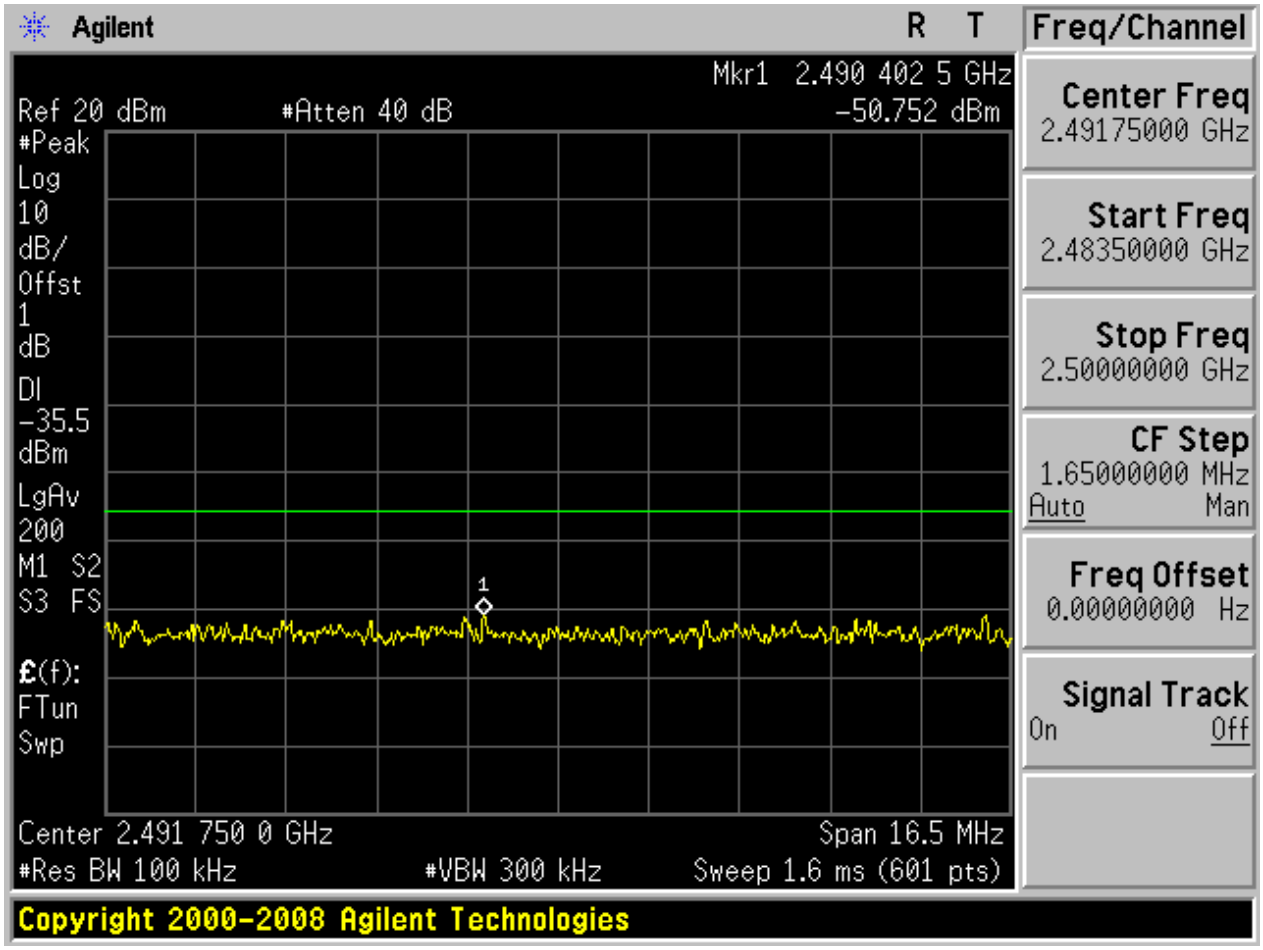

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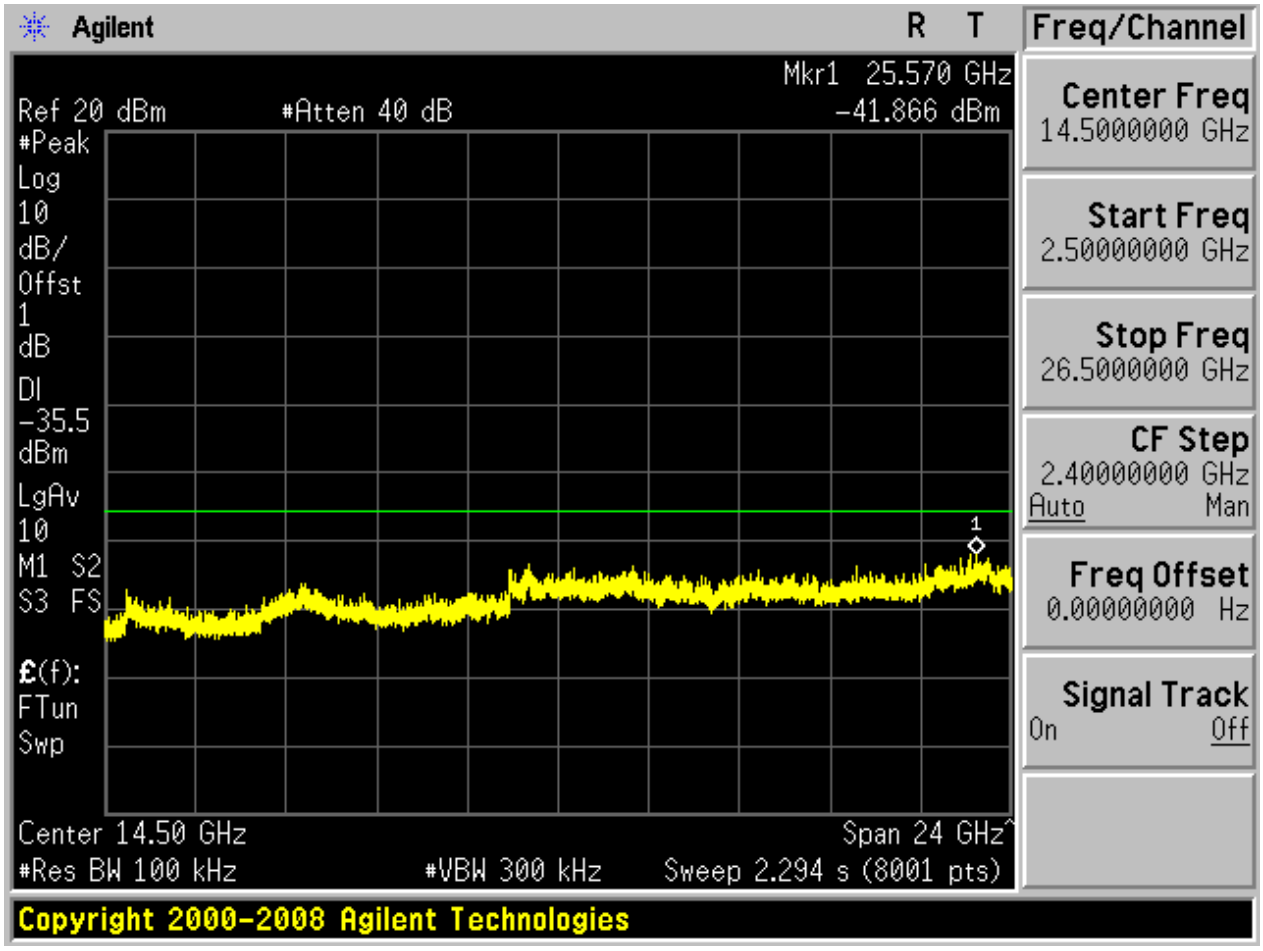

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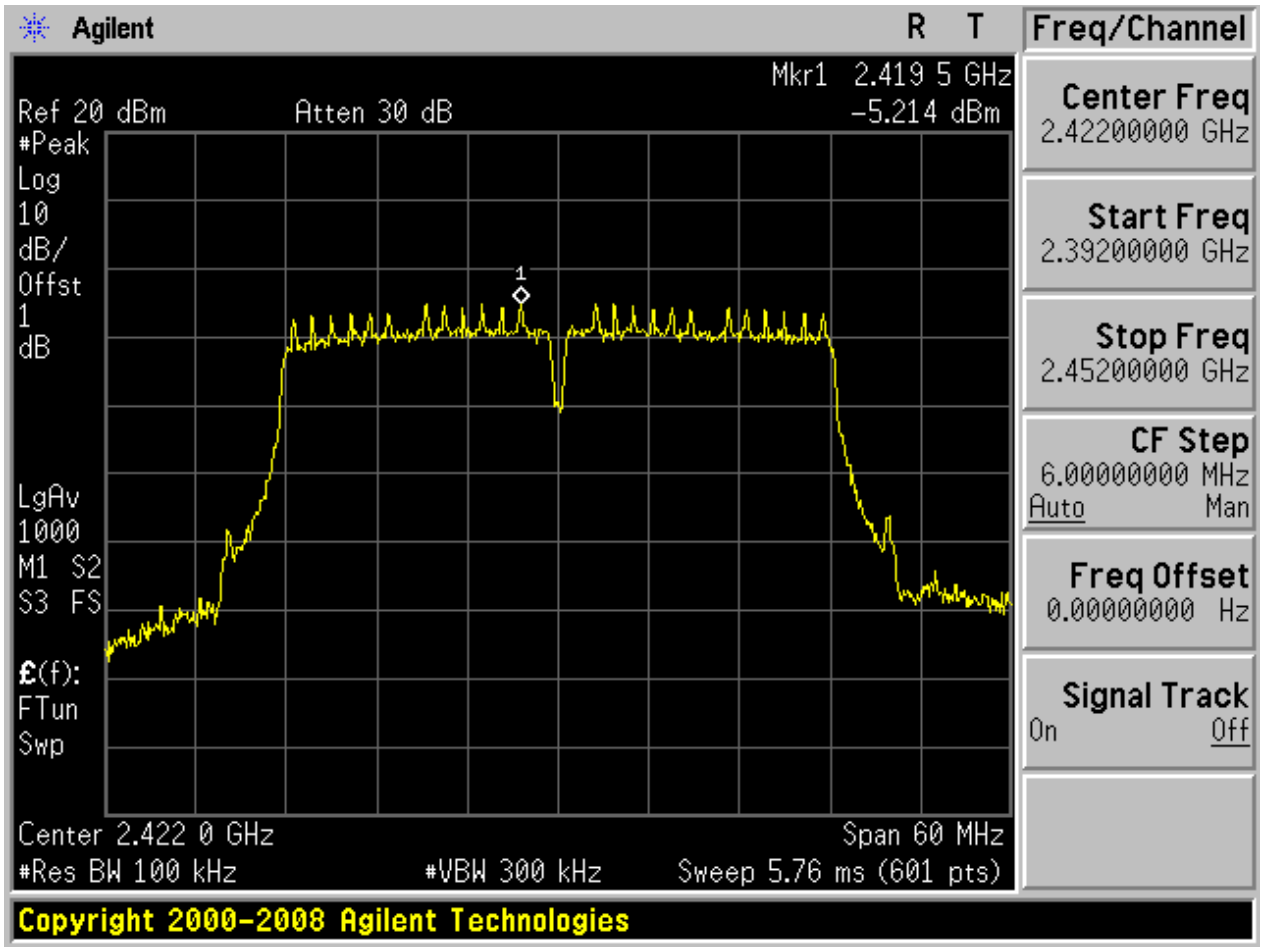
2.20 11N40_L@Ant 2

Pref:



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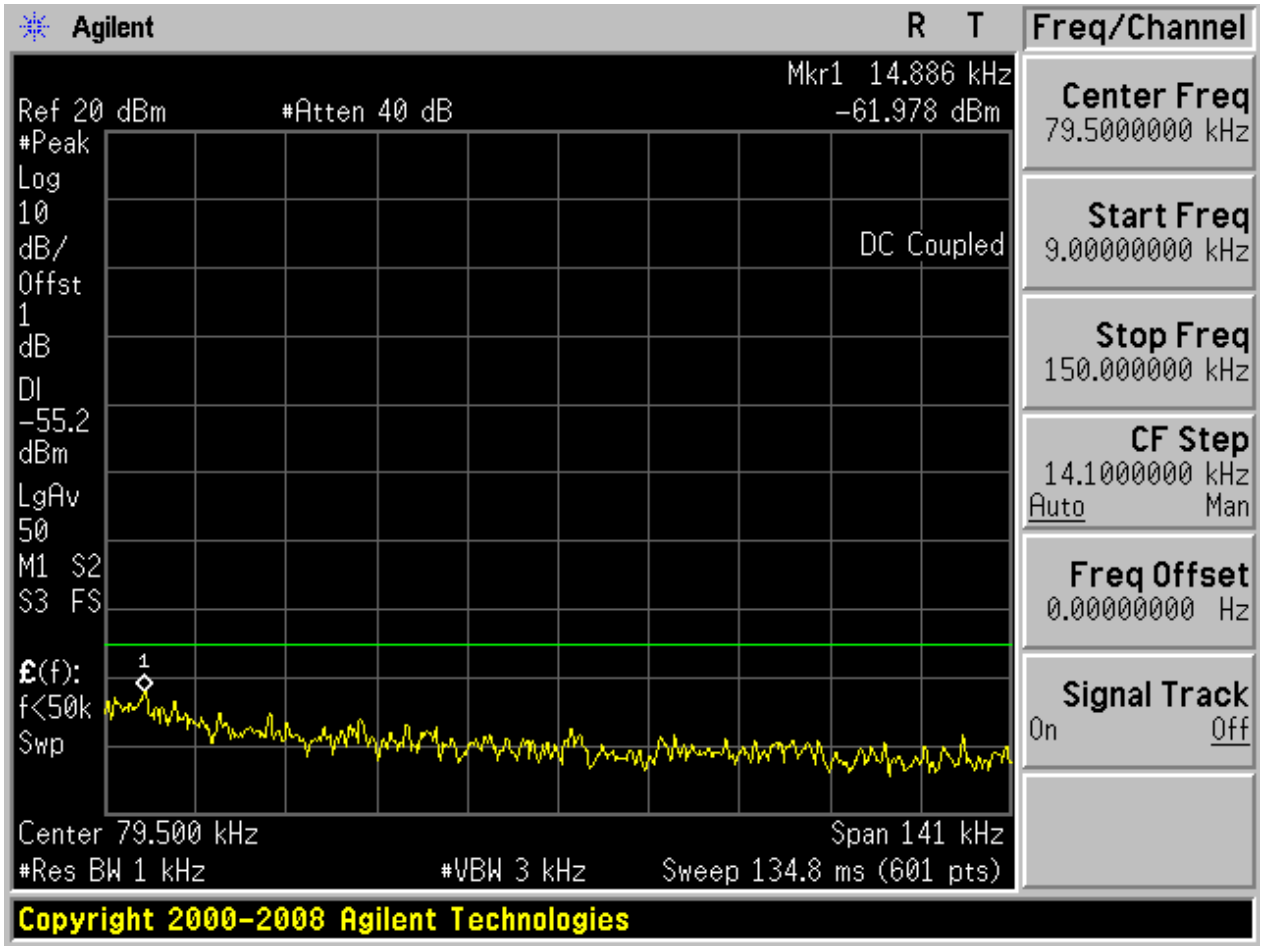

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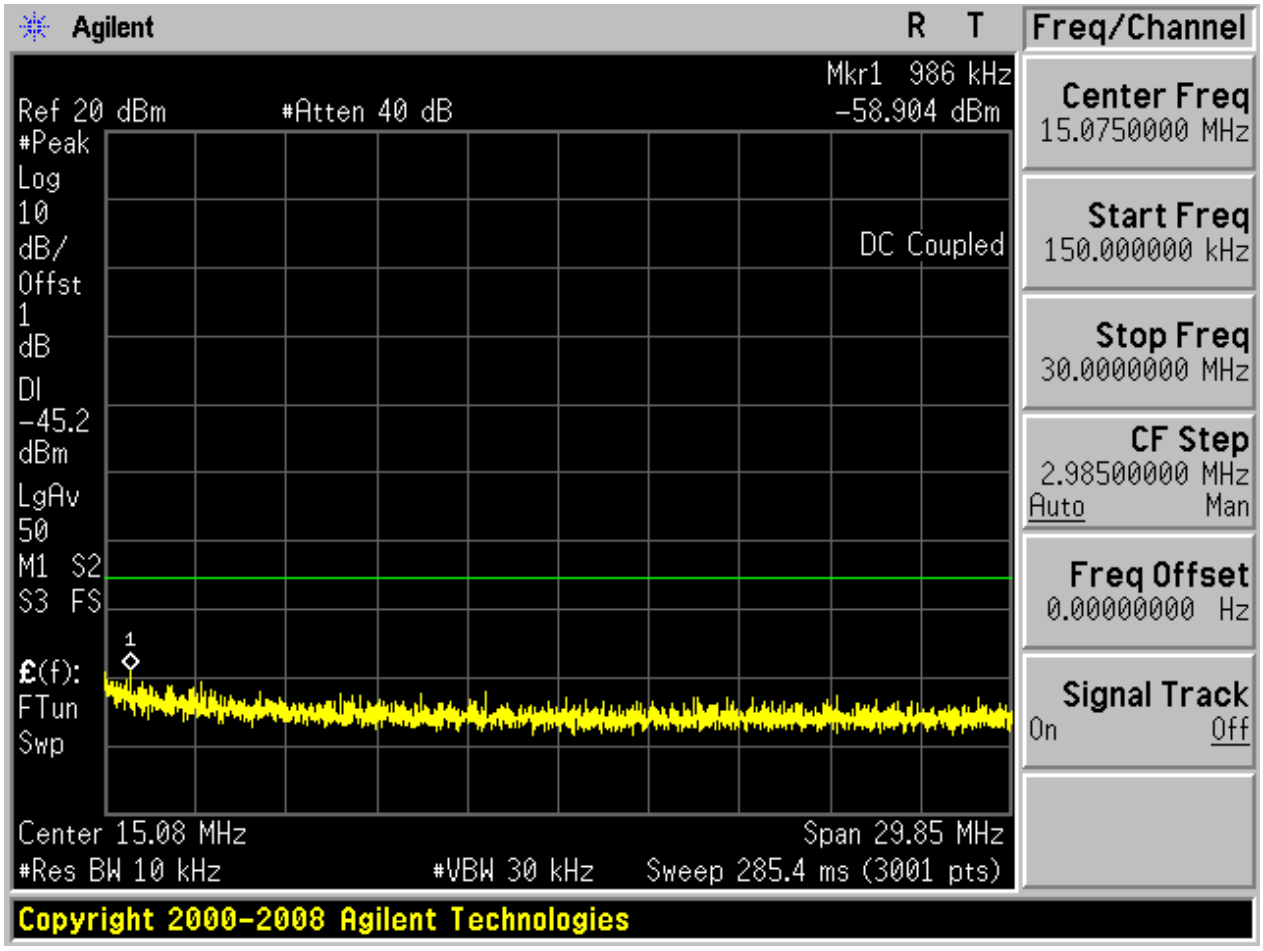

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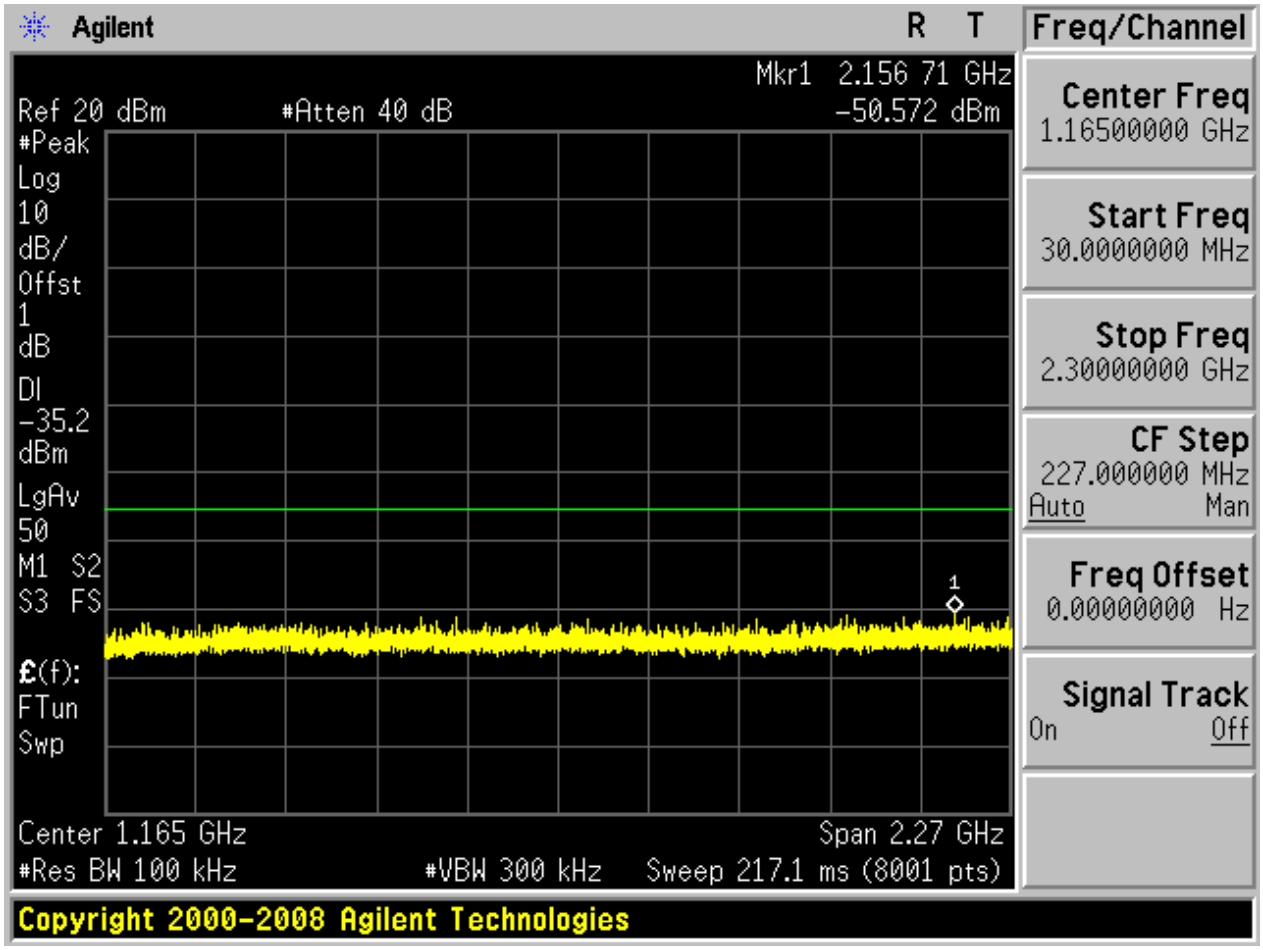
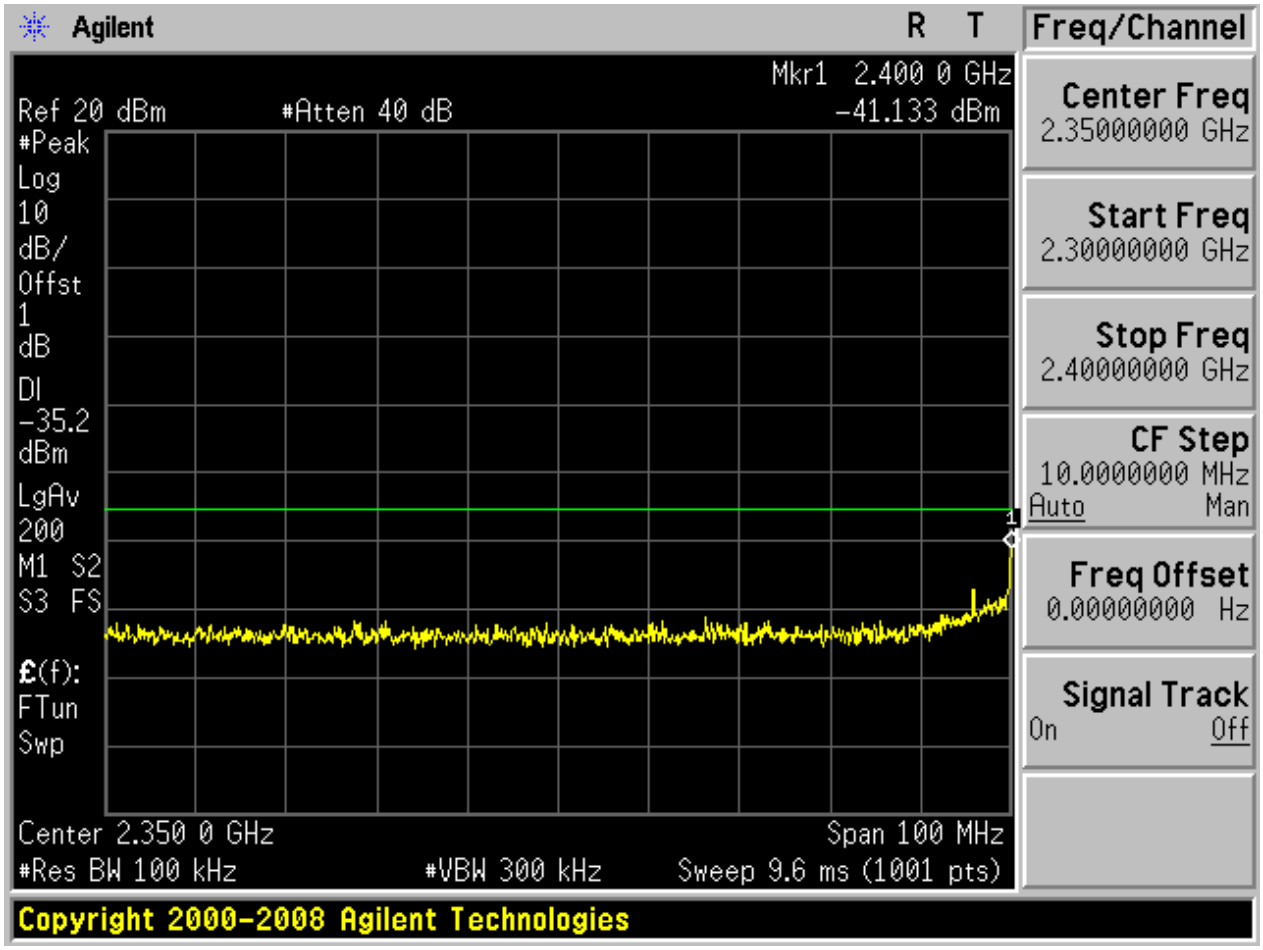

Agilent
R T
Freq/Channel
Mkr1 2.156 71 GHz
Ref 20 dBm
#Atten 40 dB
-50.572 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-35.2
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Copyright 2000-2008 Agilent Technologies



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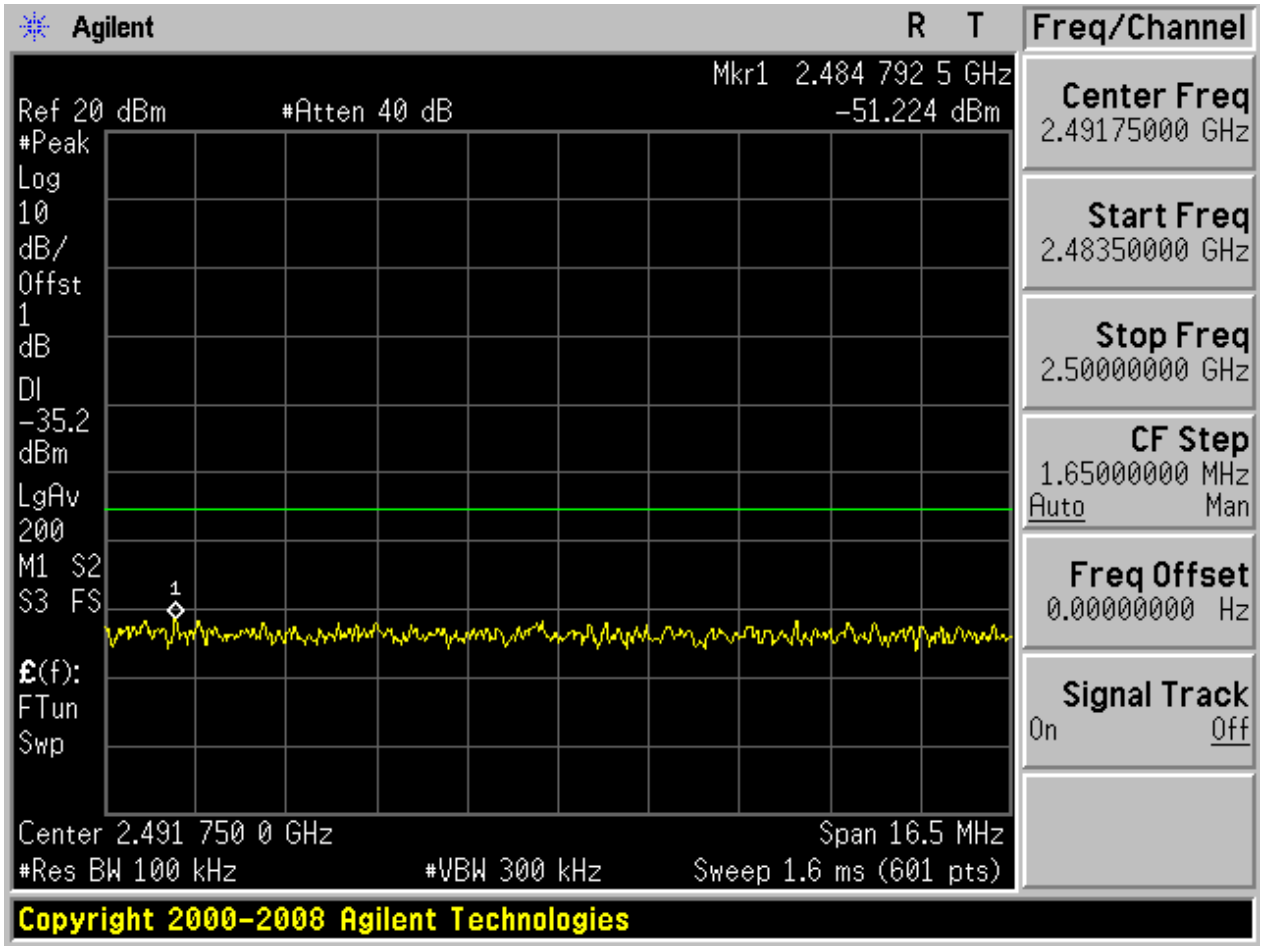
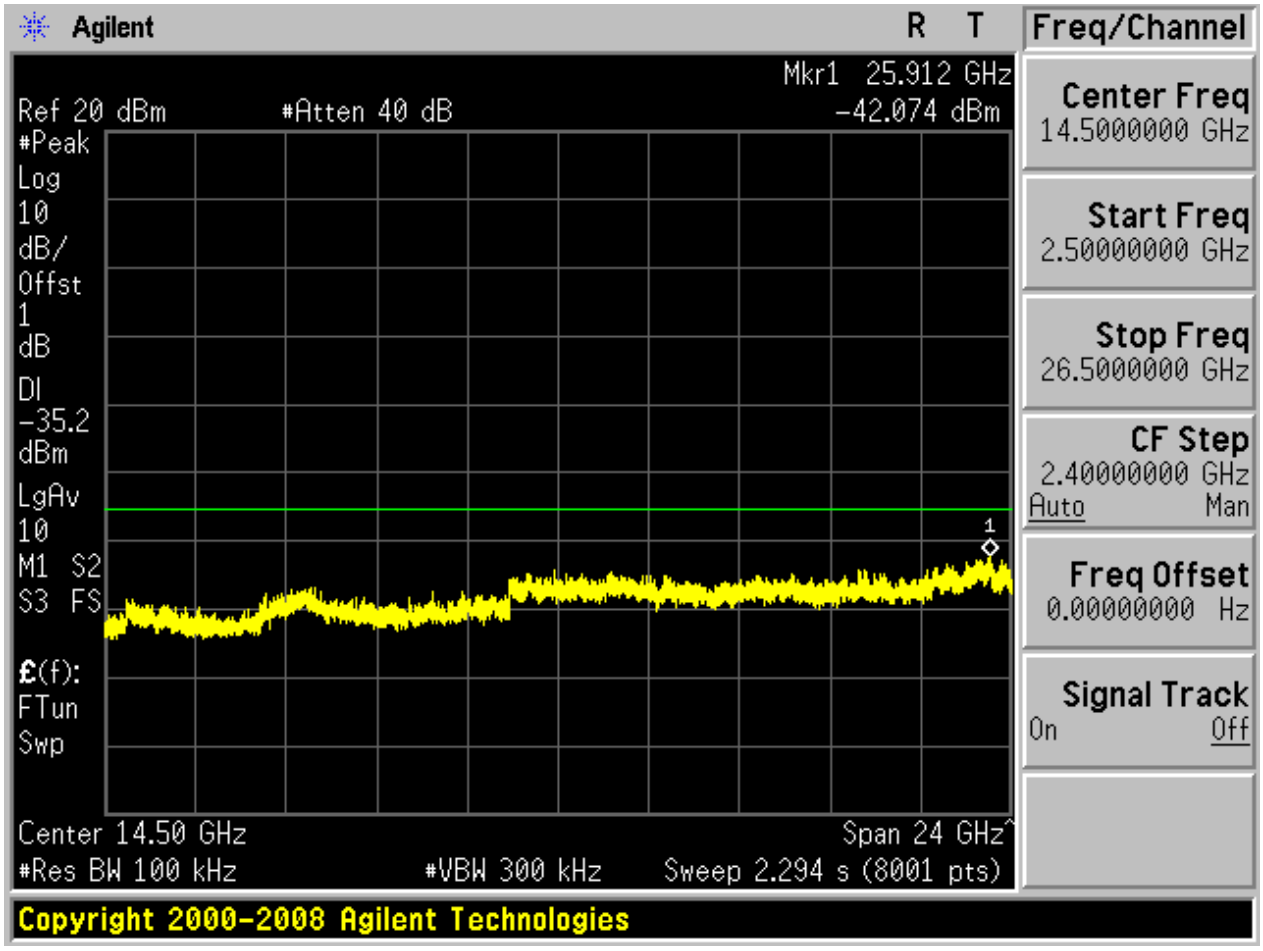

Agilent
R T
Freq/Channel
Mkr1 2.484 792 5 GHz
Ref 20 dBm
#Atten 40 dB
-51.224 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-35.2
dBm
LgAv
200
M1 S2
S3 FS
1
£(f):
FTun
Swp
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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2.21 11N40_M@Ant 1

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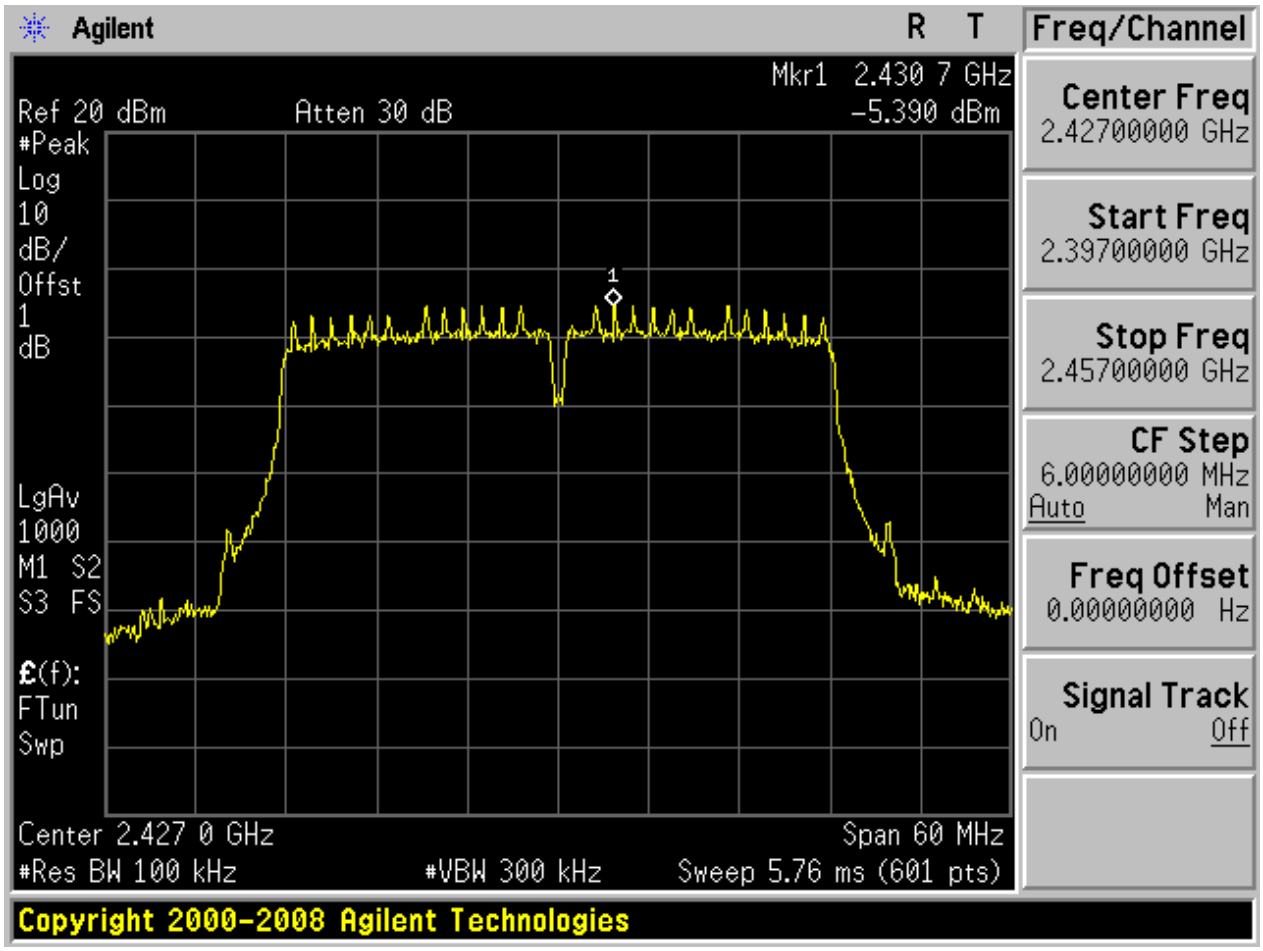

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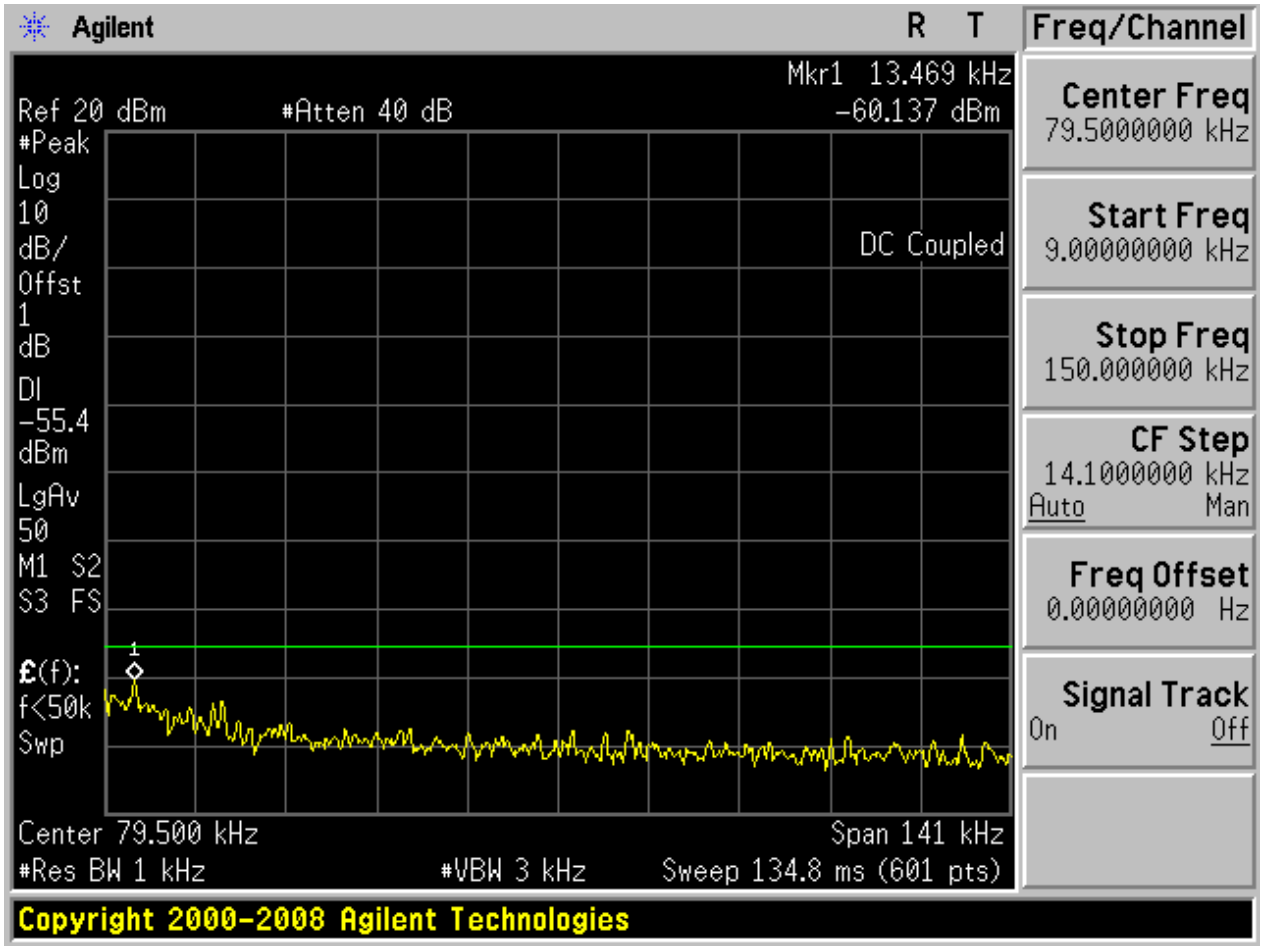
Puw:



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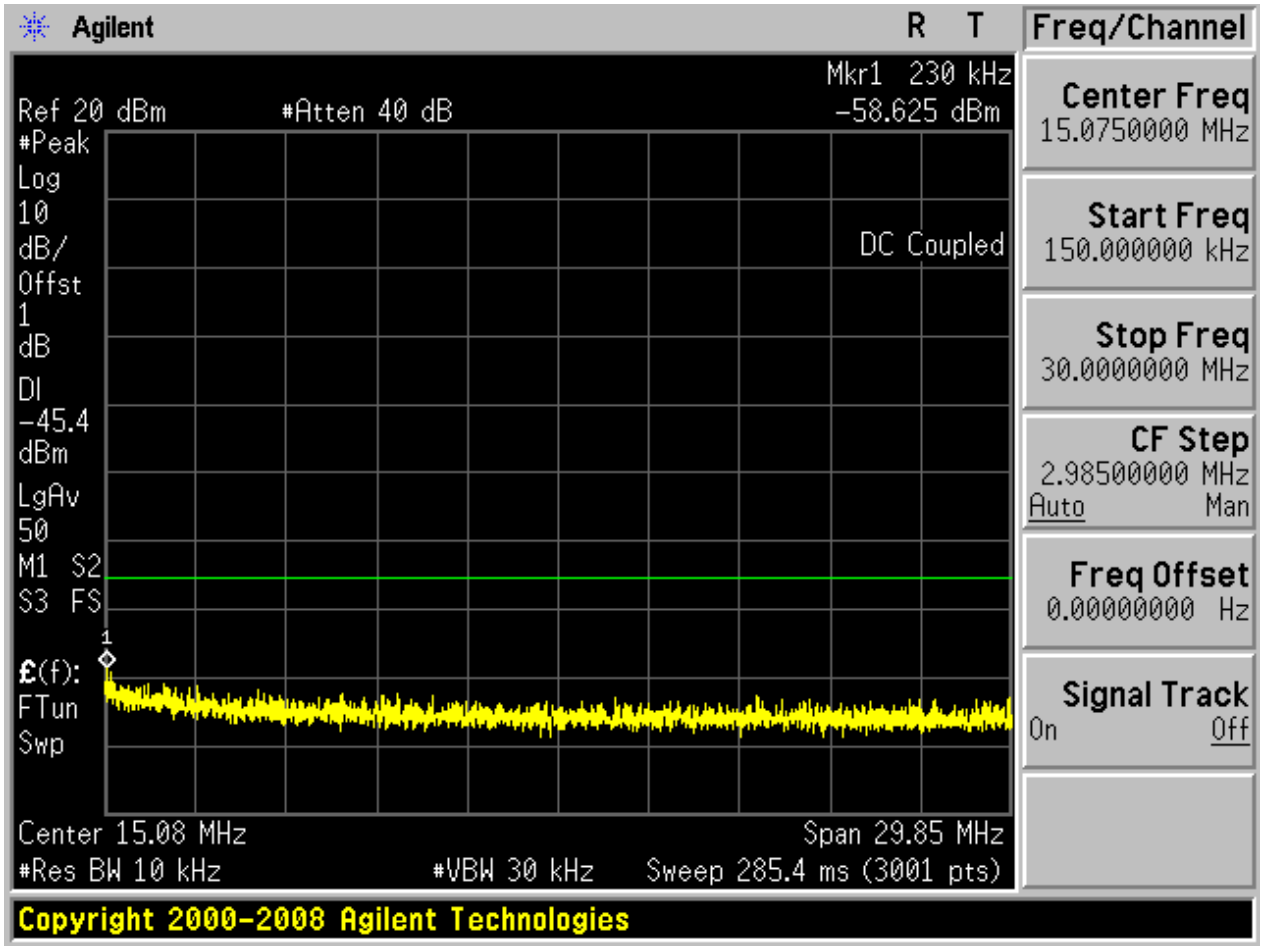

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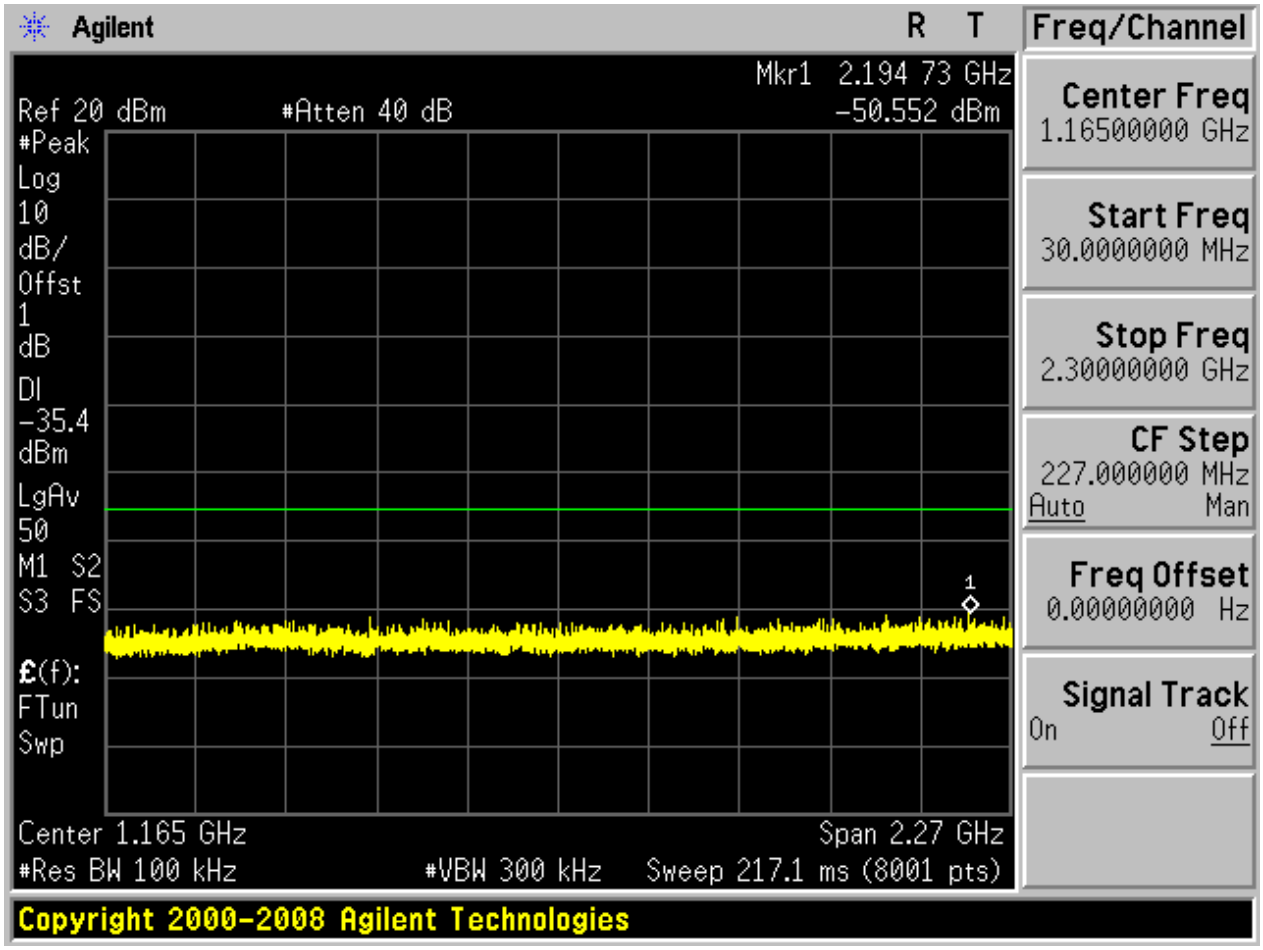
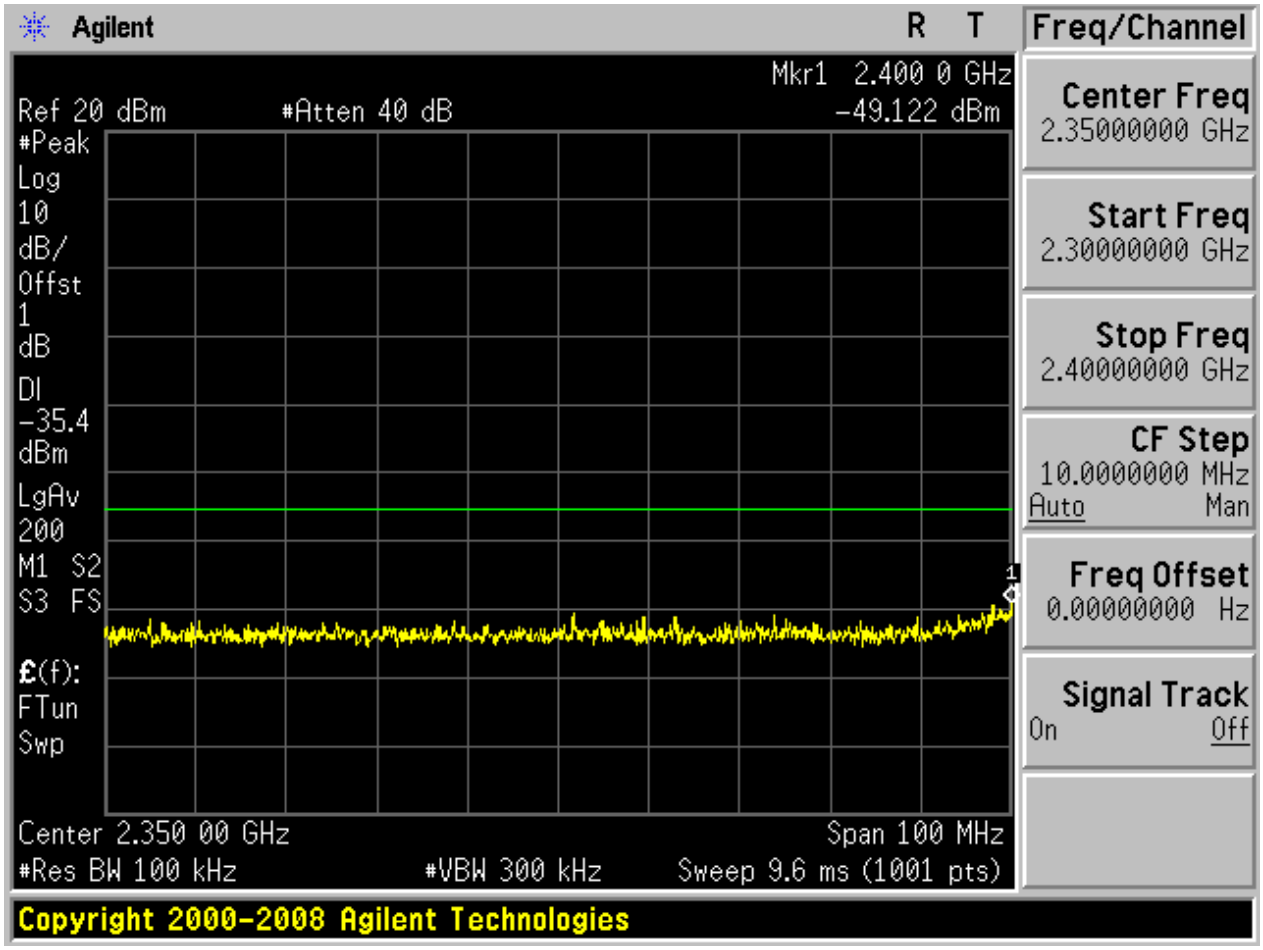

Agilent
R T
Freq/Channel
Mkr1 2.194 73 GHz
Ref 20 dBm
#Atten 40 dB
-50.552 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-35.4
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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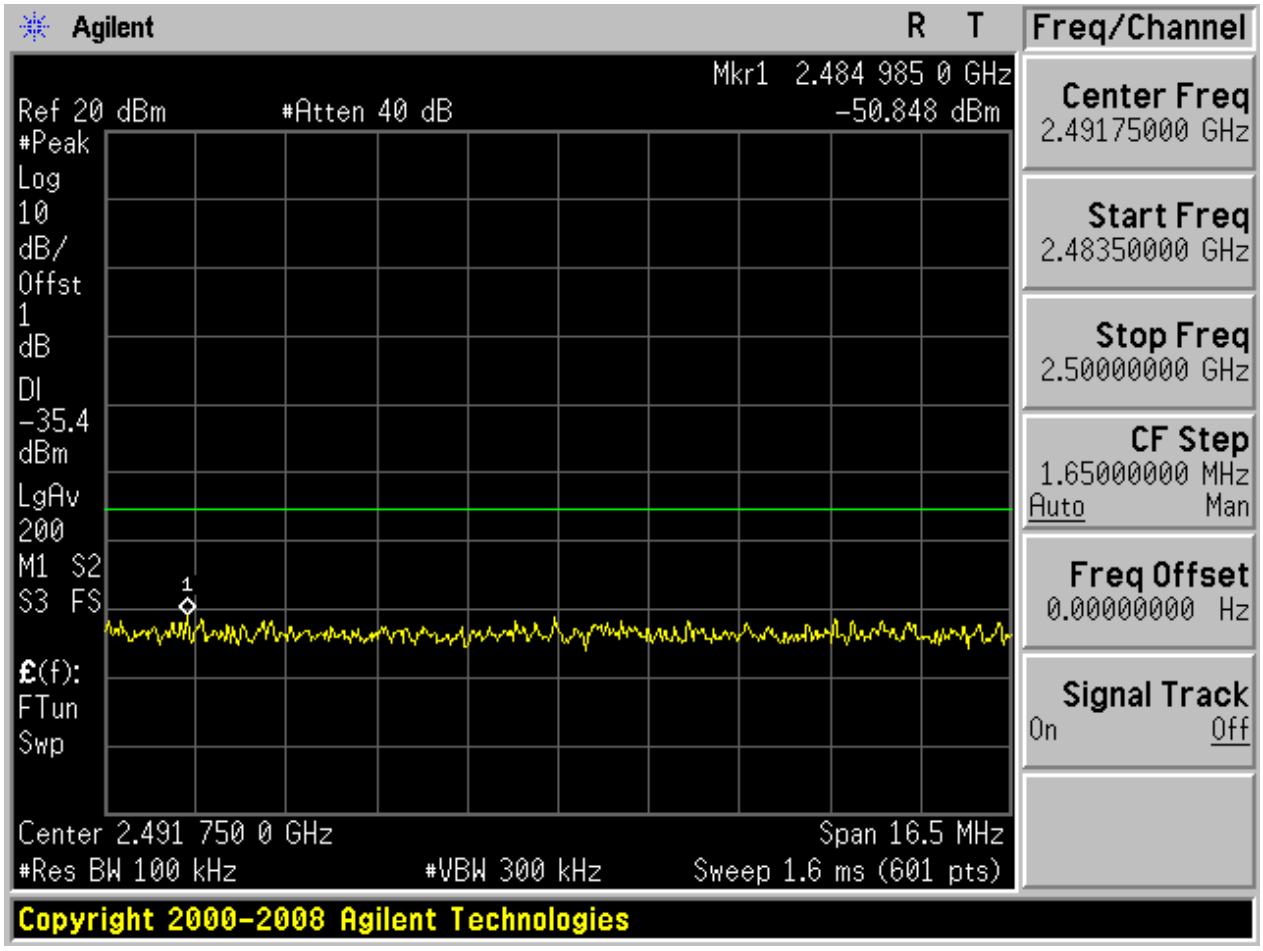
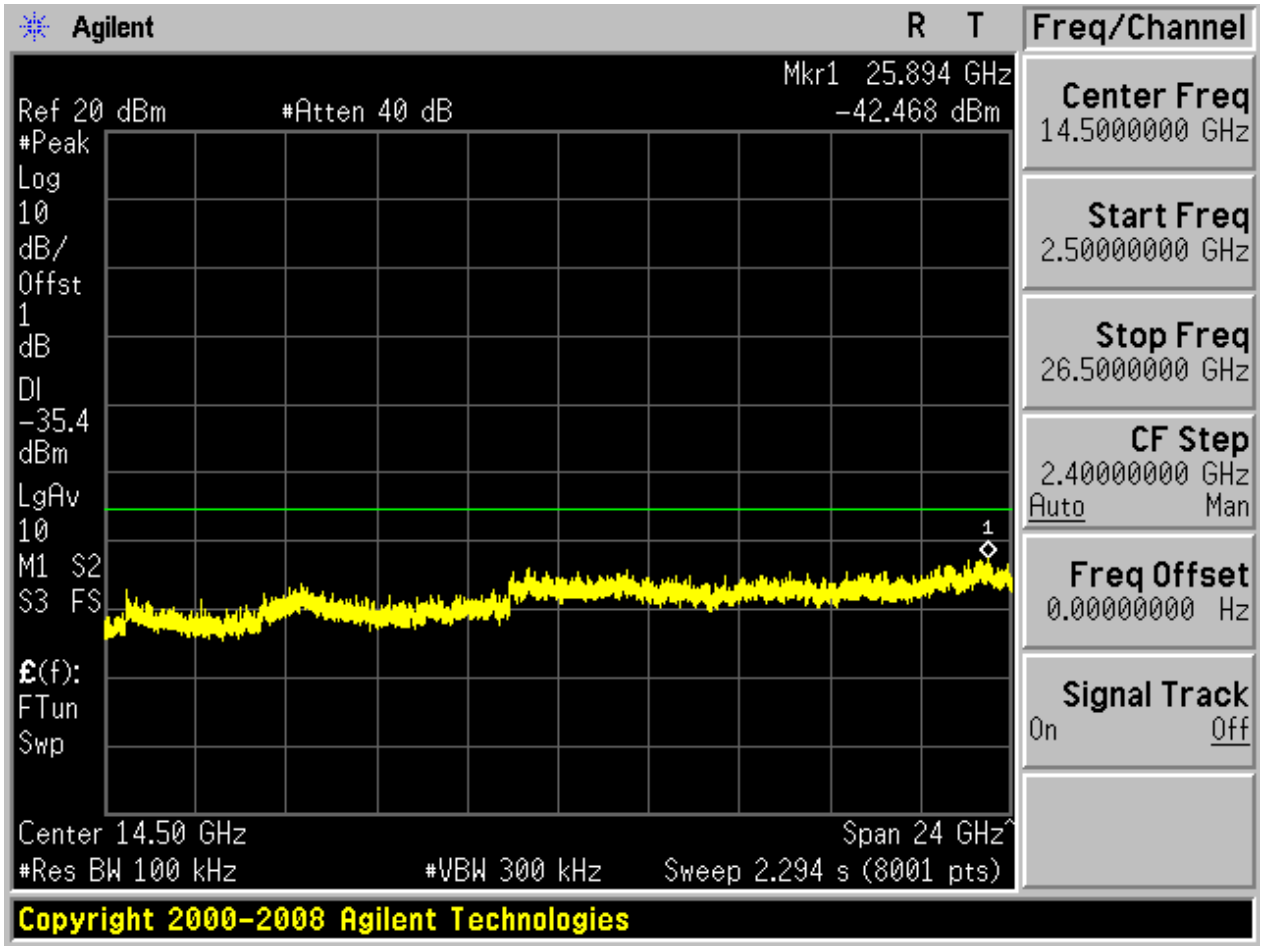

Agilent
R T
Freq/Channel
Mkr1 2.484 985 0 GHz
Ref 20 dBm
#Atten 40 dB
-50.848 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-35.4
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 25.894 GHz
Ref 20 dBm
#Atten 40 dB
-42.468 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-35.4
dBm
LgAv
10
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 14.50 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8001 pts)
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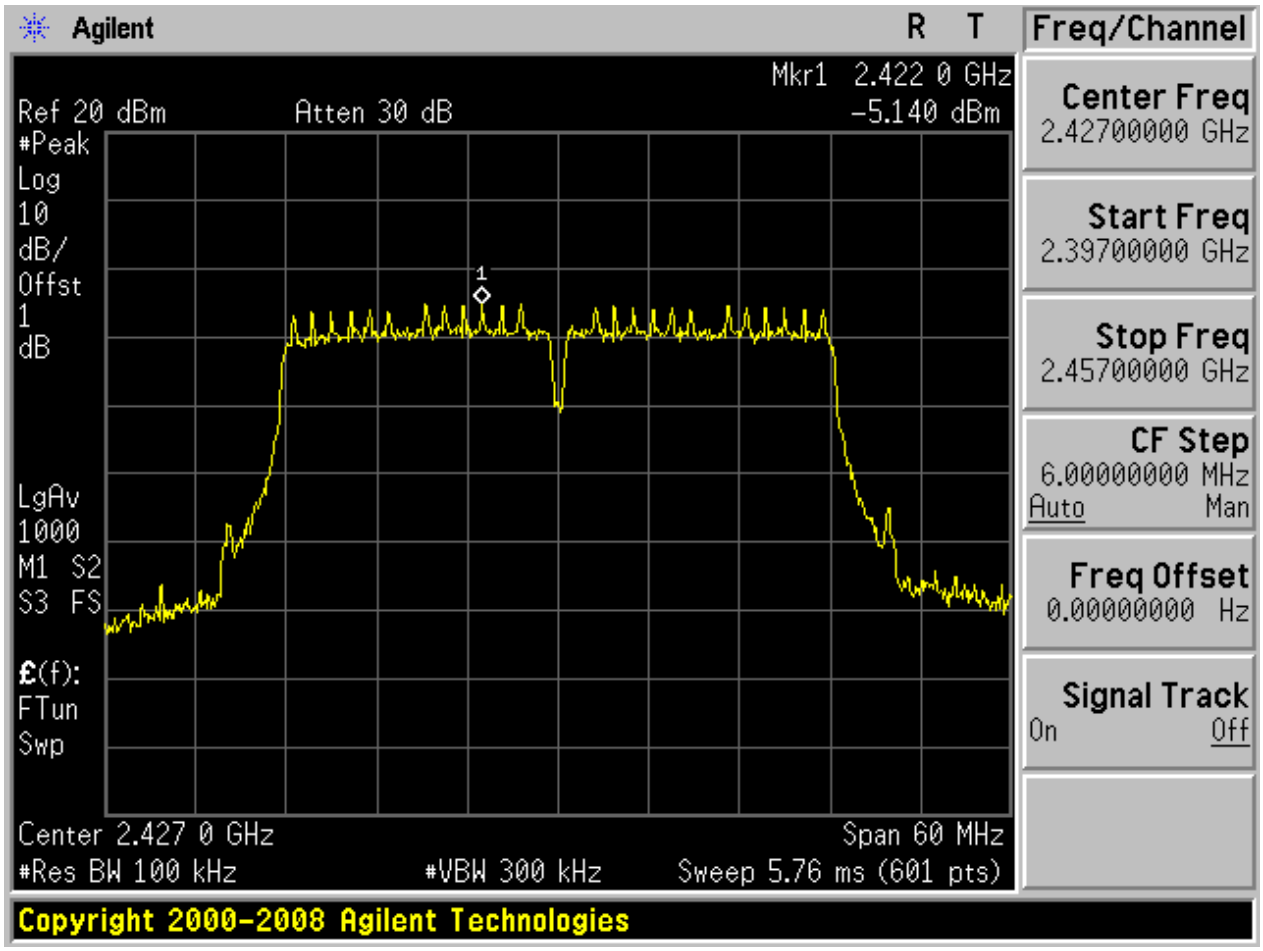
2.22 11N40_M@Ant 2

Pref:



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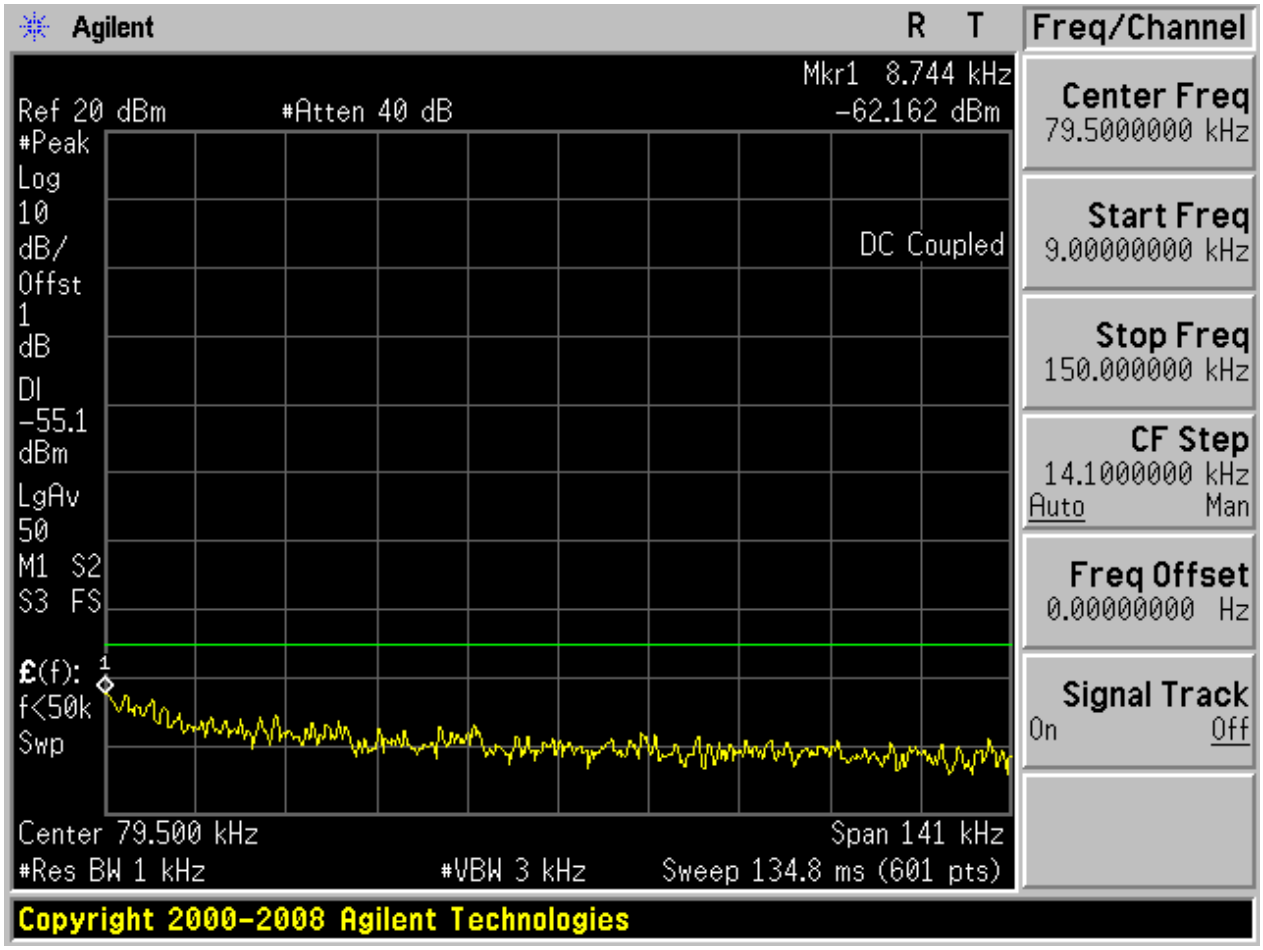
Puw:



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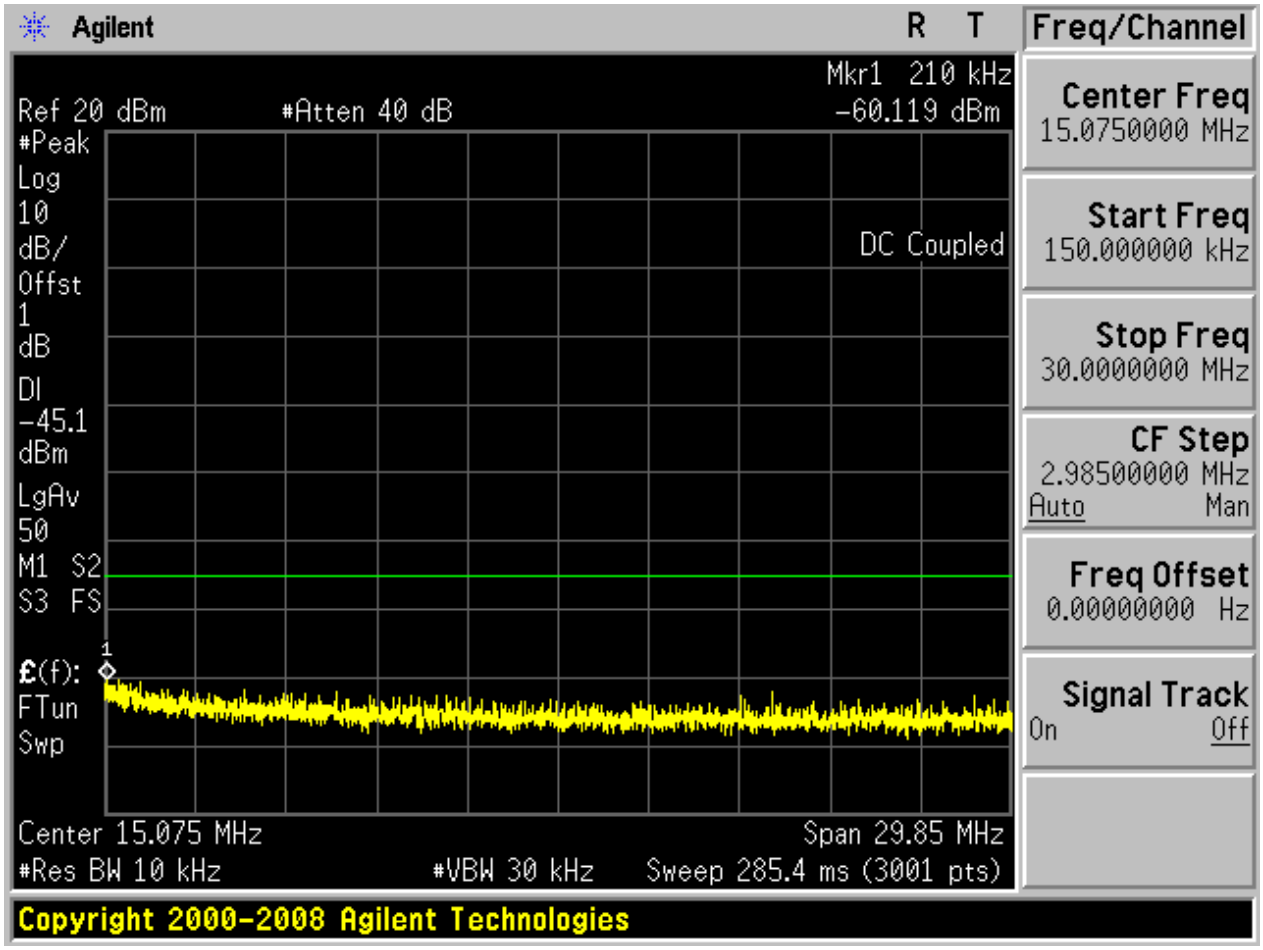
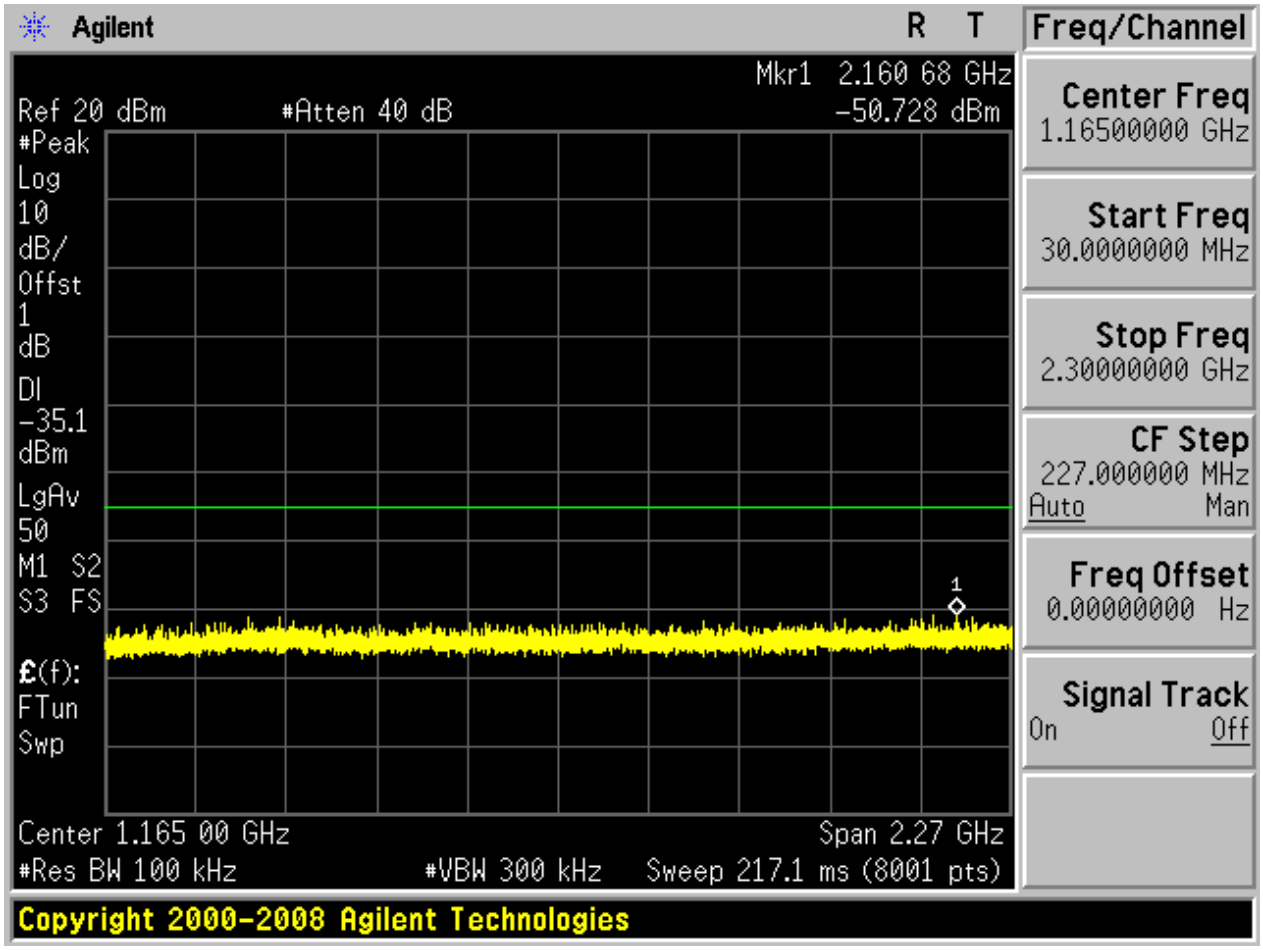
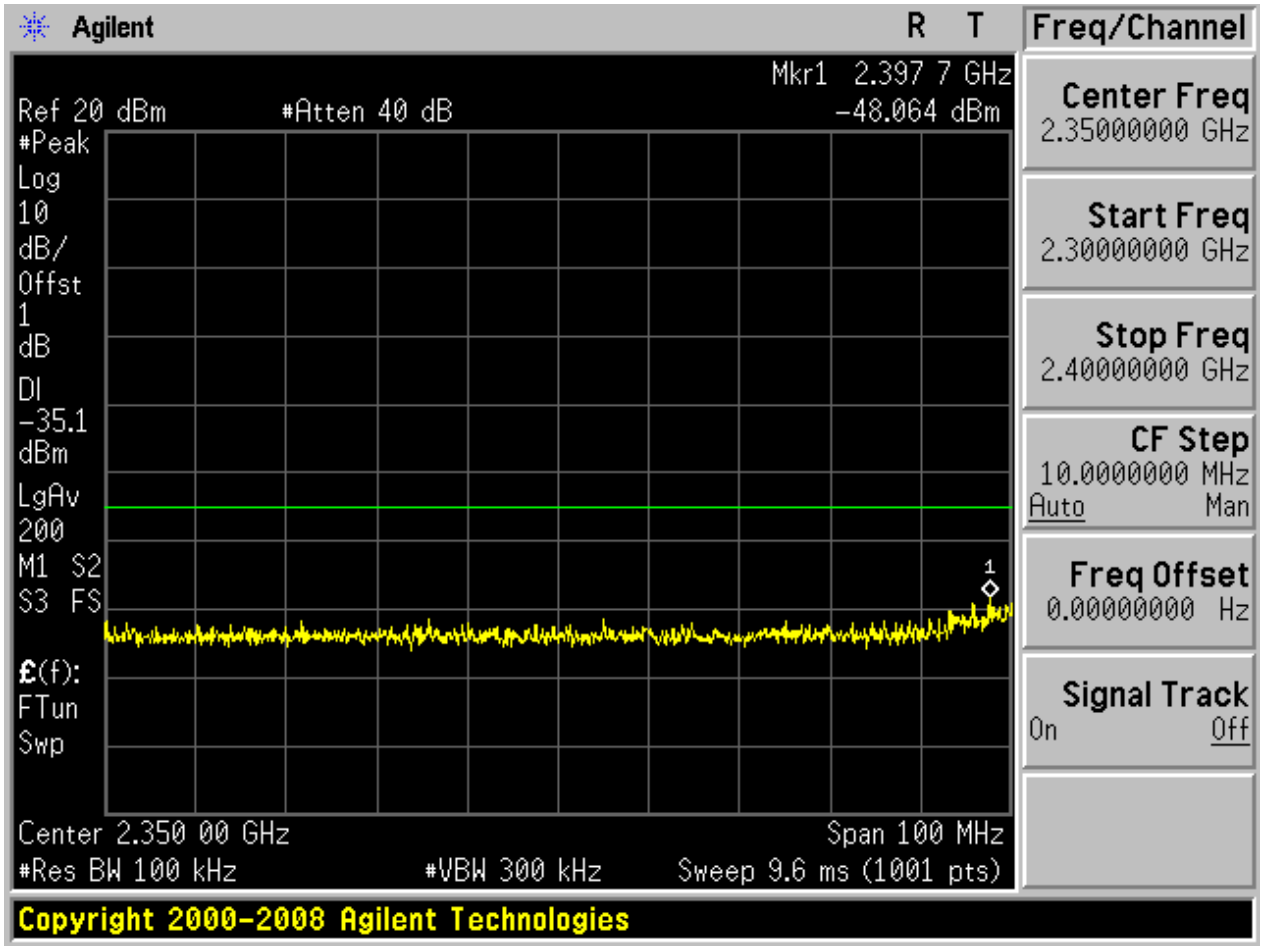
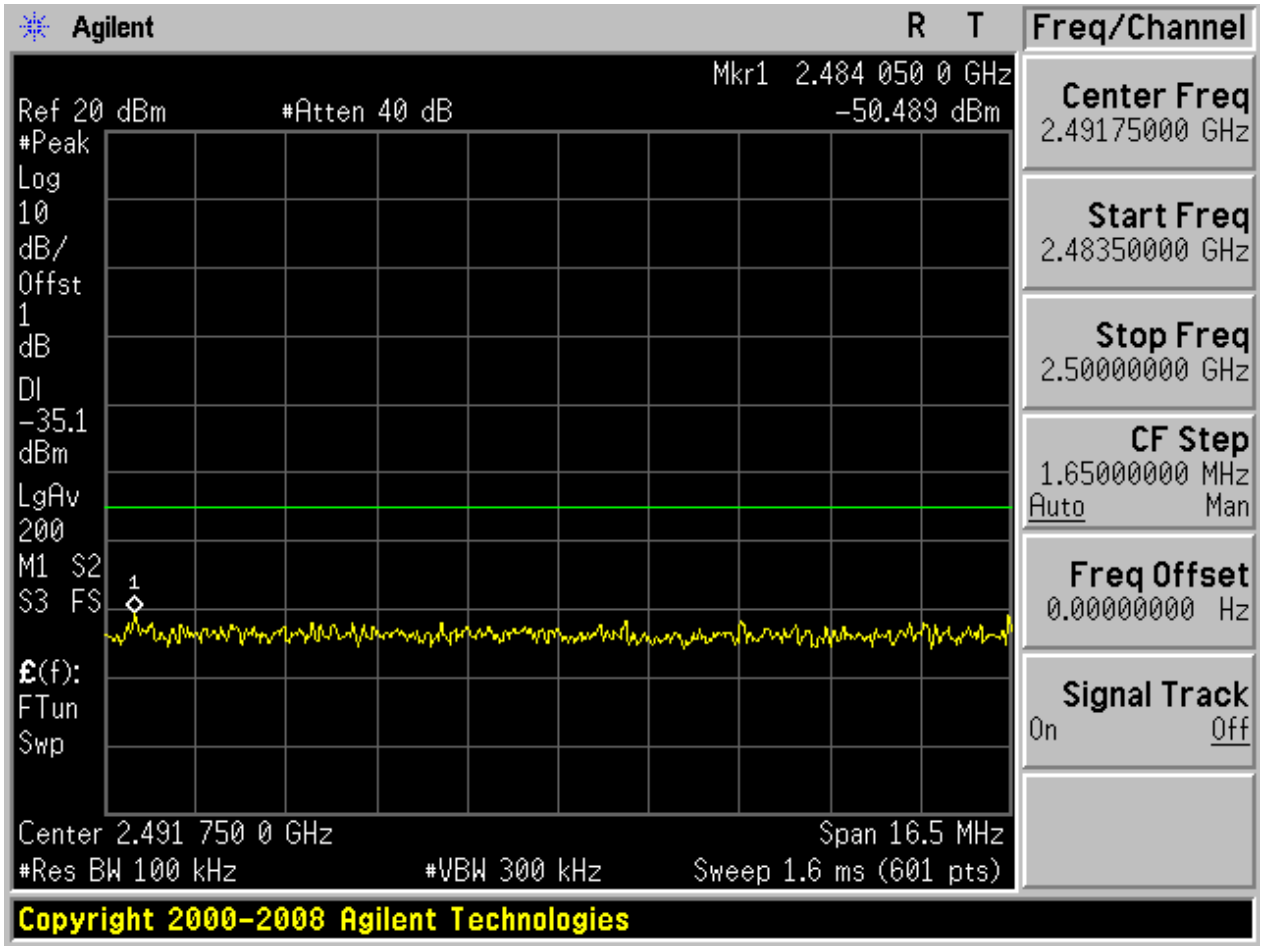

Agilent
R T
Freq/Channel
Mkr1 210 kHz
Ref 20 dBm
#Atten 40 dB
-60.119 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-45.1
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.160 68 GHz
Ref 20 dBm
#Atten 40 dB
-50.728 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-35.1
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.397 7 GHz
Ref 20 dBm
#Atten 40 dB
-48.064 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-35.1
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 2.350 00 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.6 ms (1001 pts)
Copyright 2000-2008 Agilent Technologies



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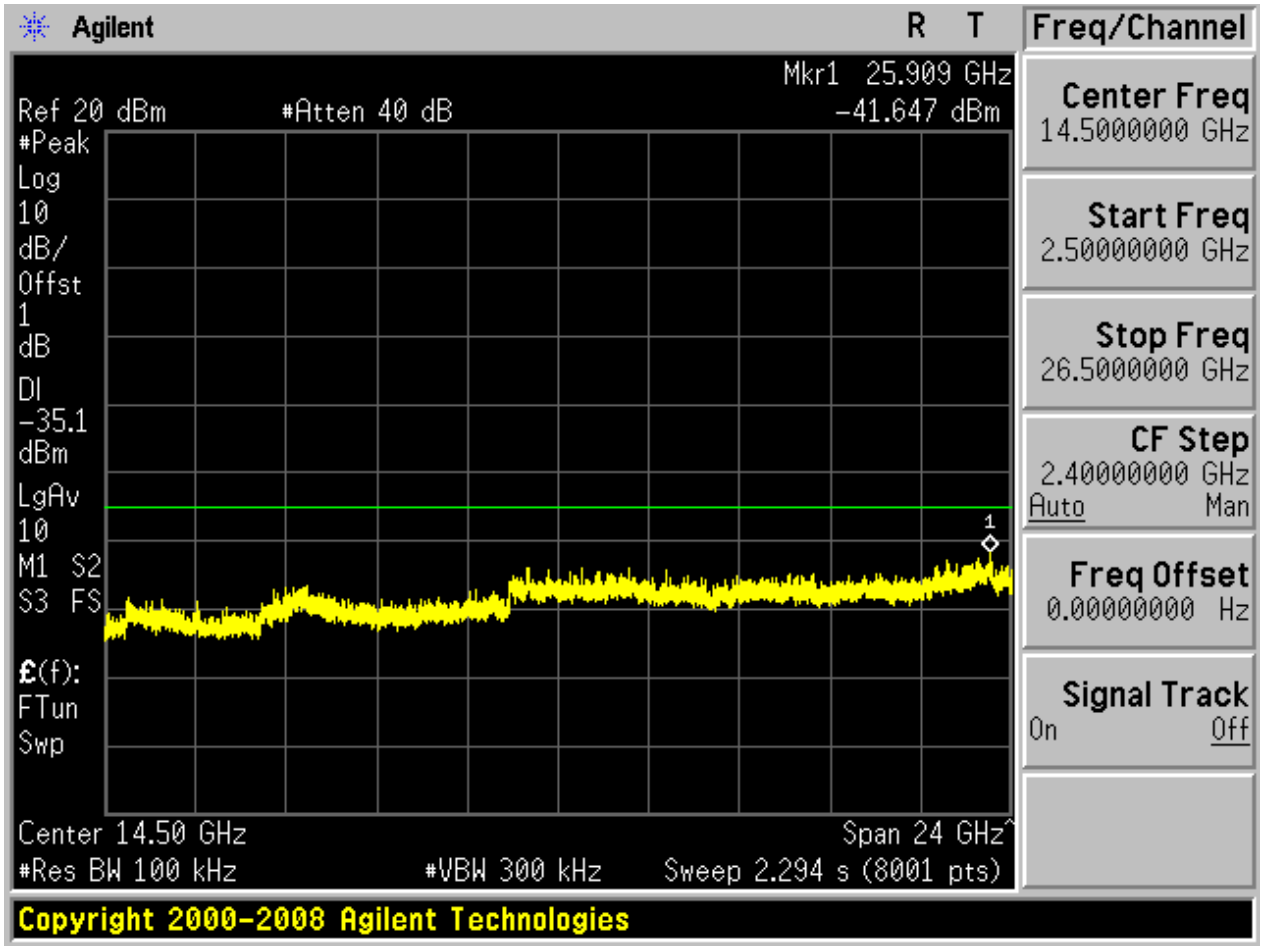

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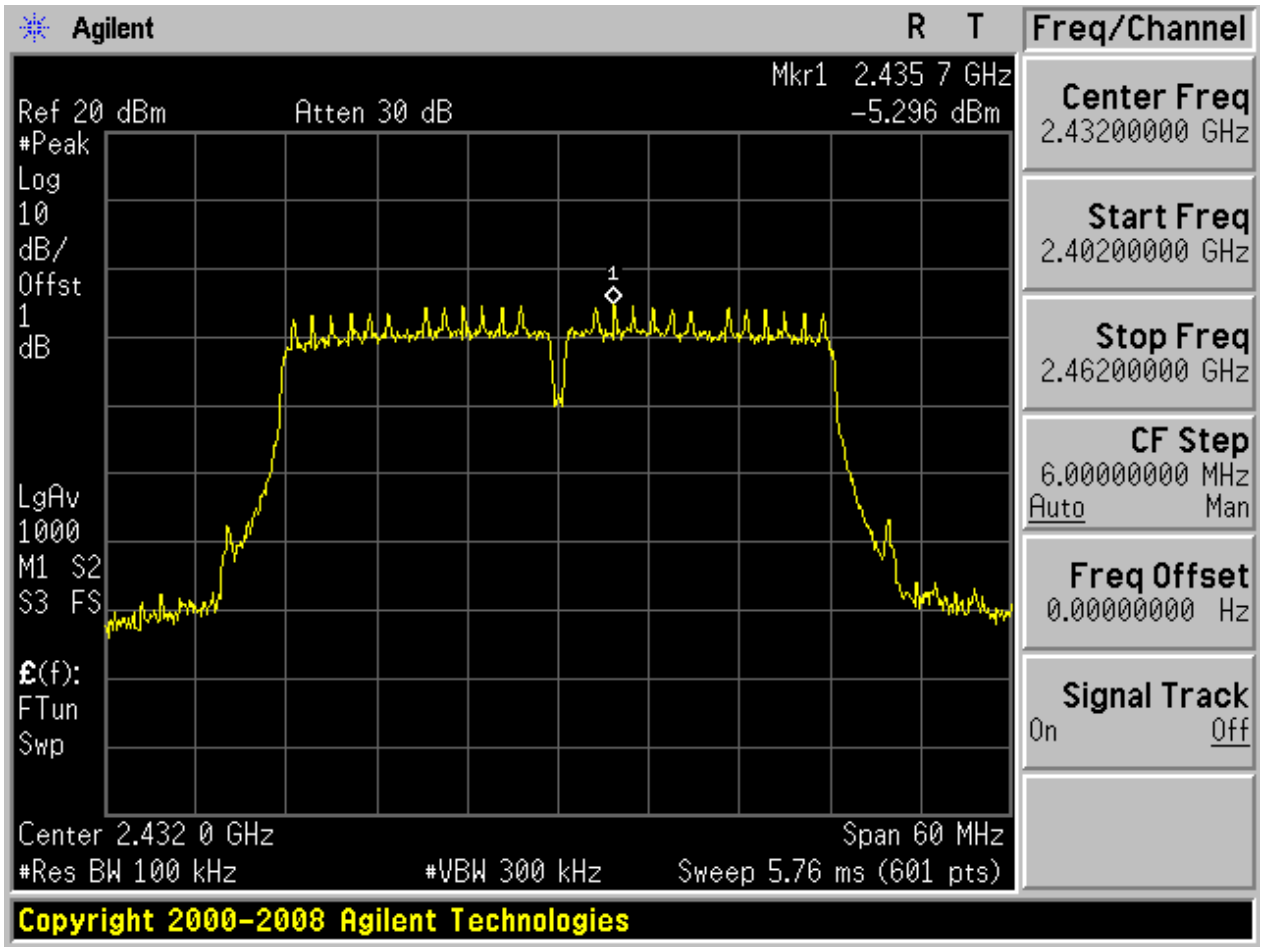
2.23 11N40_H@Ant 1

Pref:



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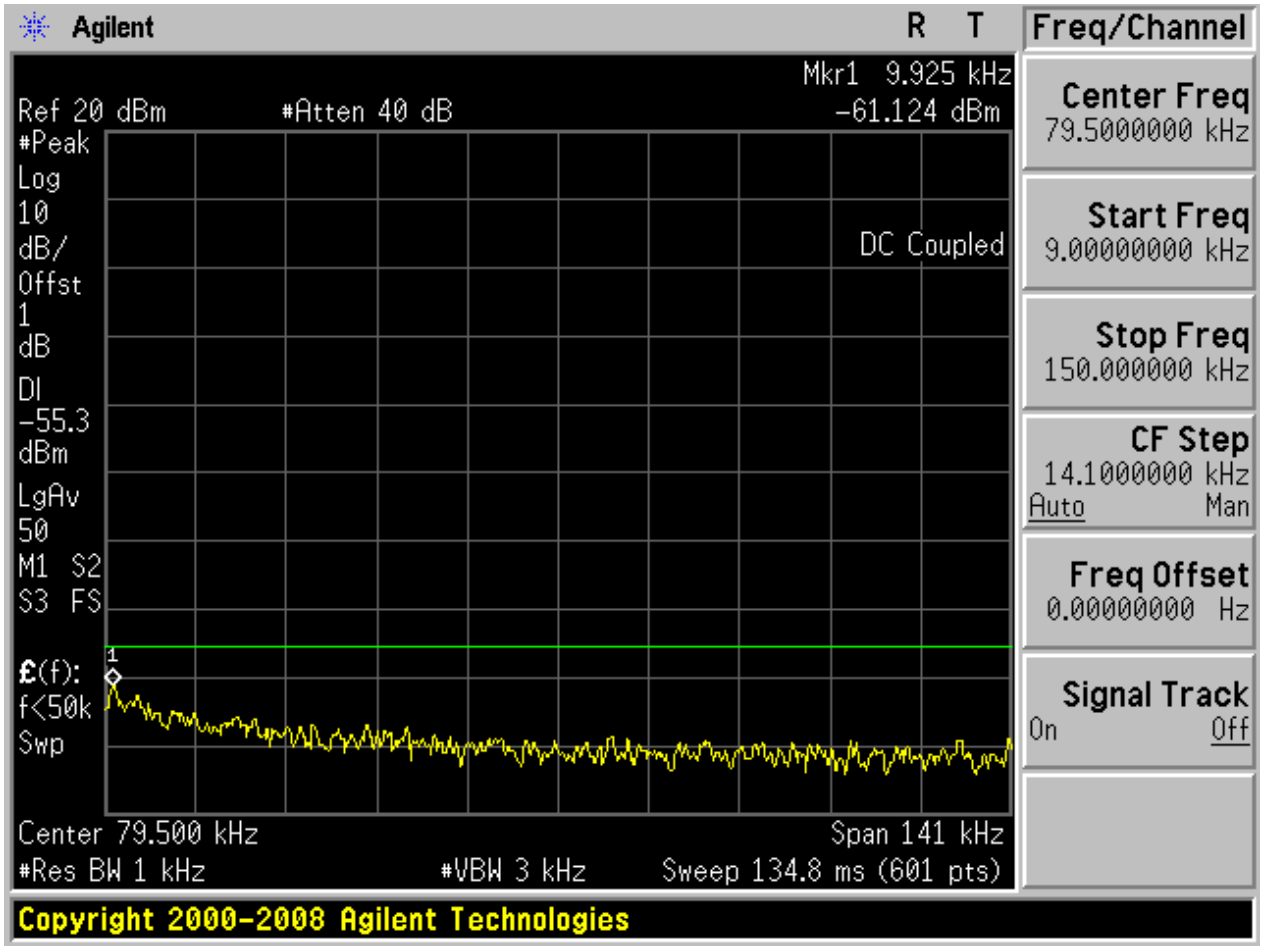
Puw:



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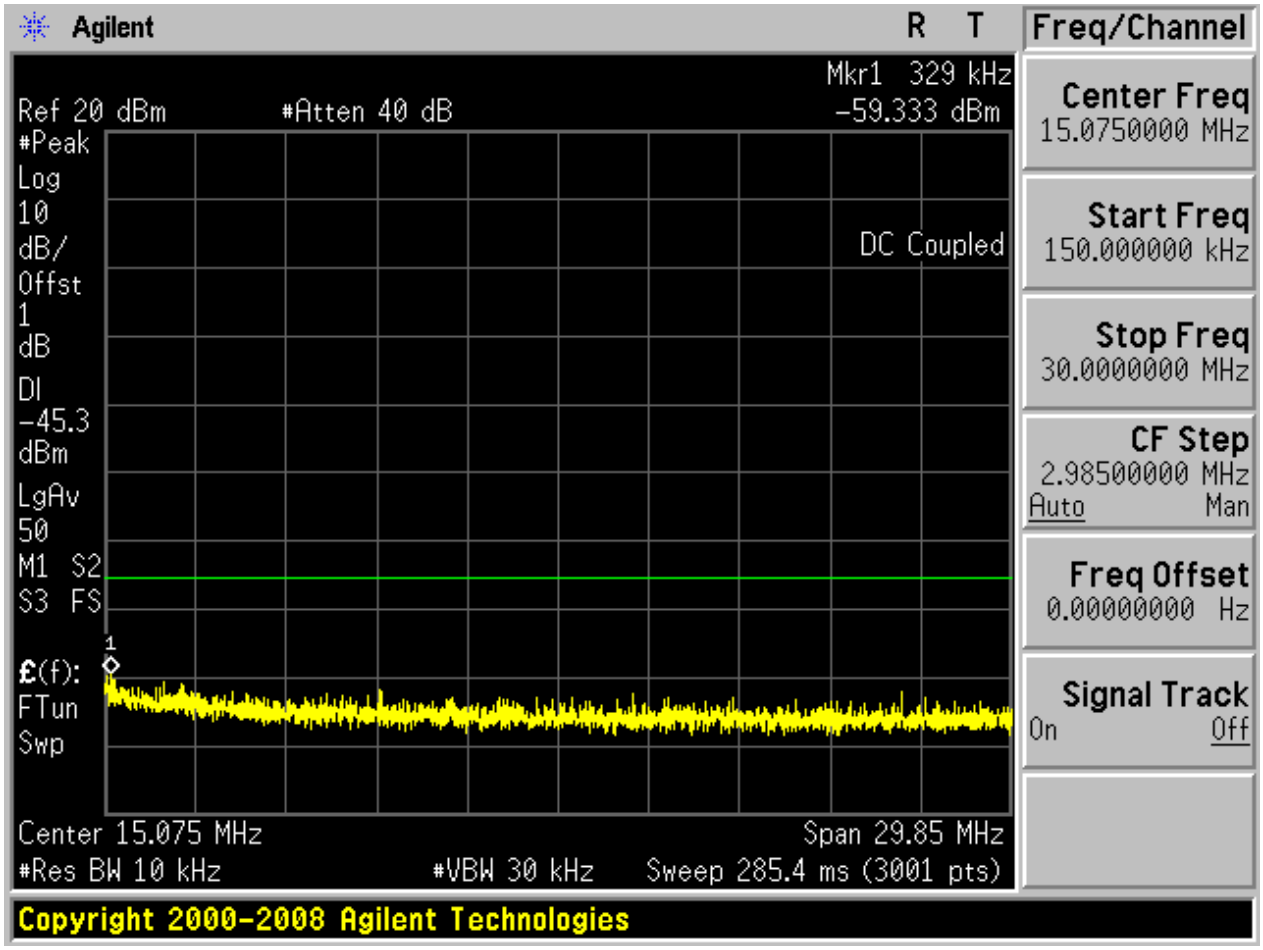
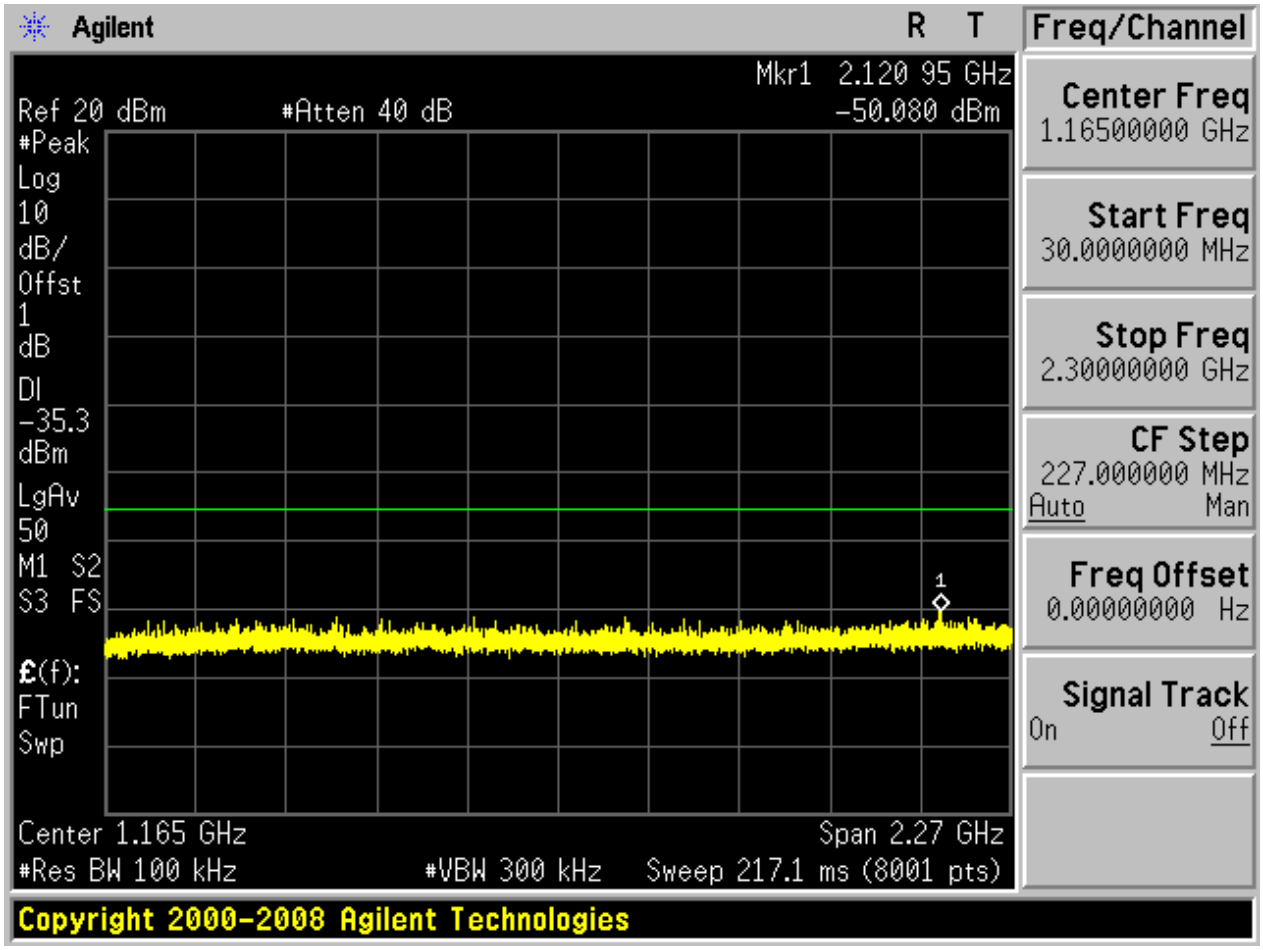
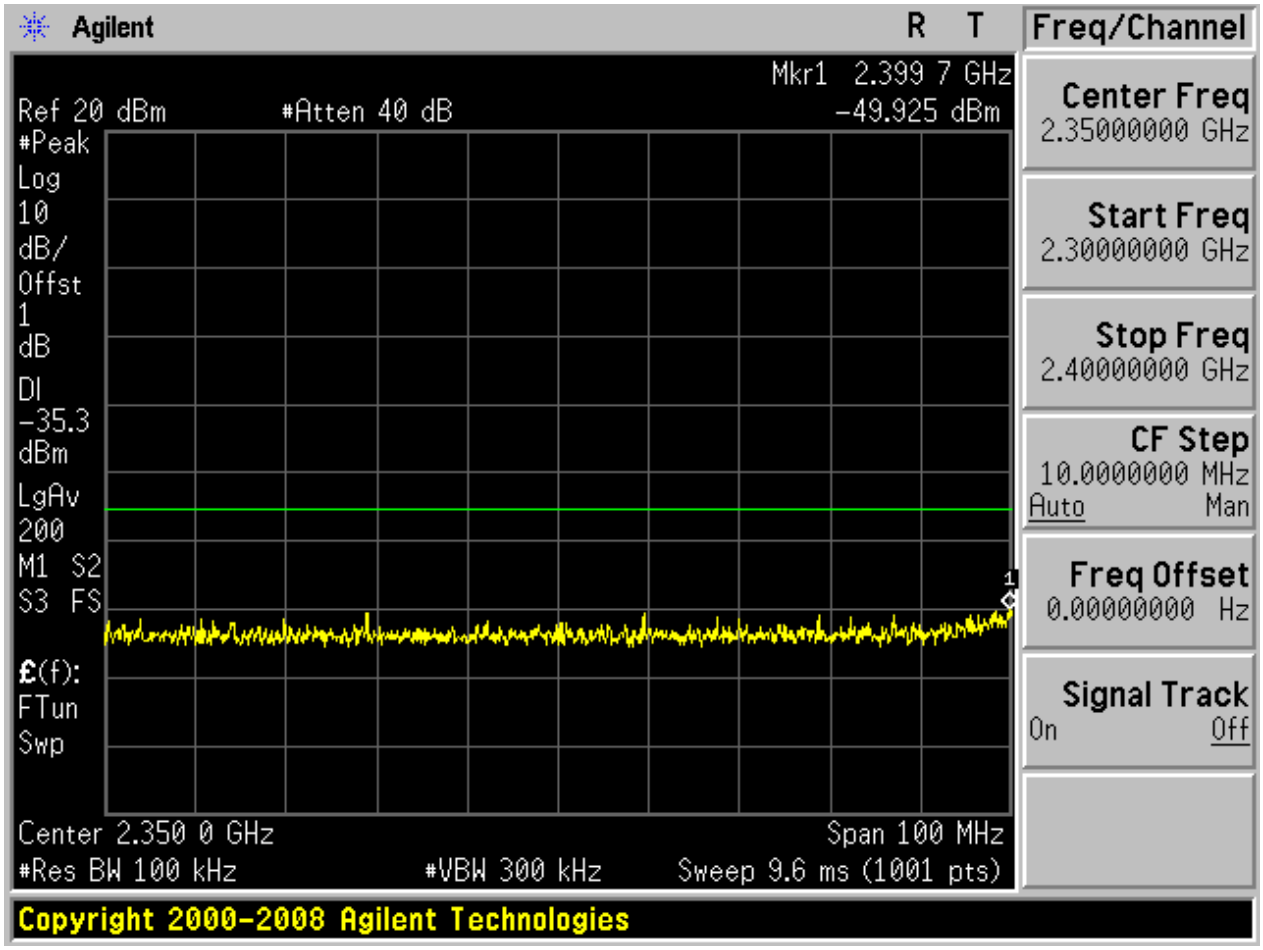

Agilent
R T
Freq/Channel
Mkr1 329 kHz
Ref 20 dBm
#Atten 40 dB
-59.333 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-45.3
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.120 95 GHz
Ref 20 dBm
#Atten 40 dB
-50.080 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-35.3
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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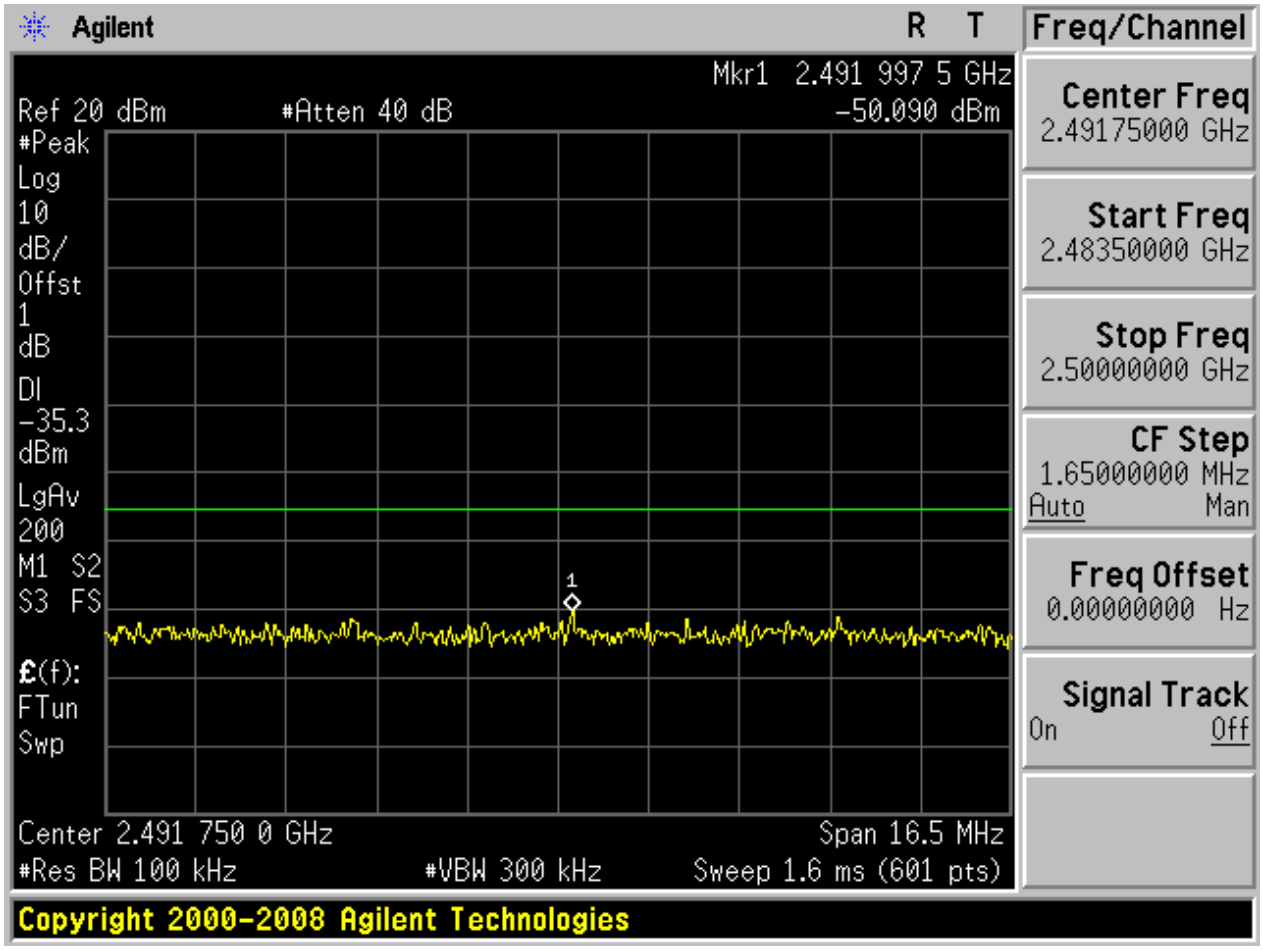
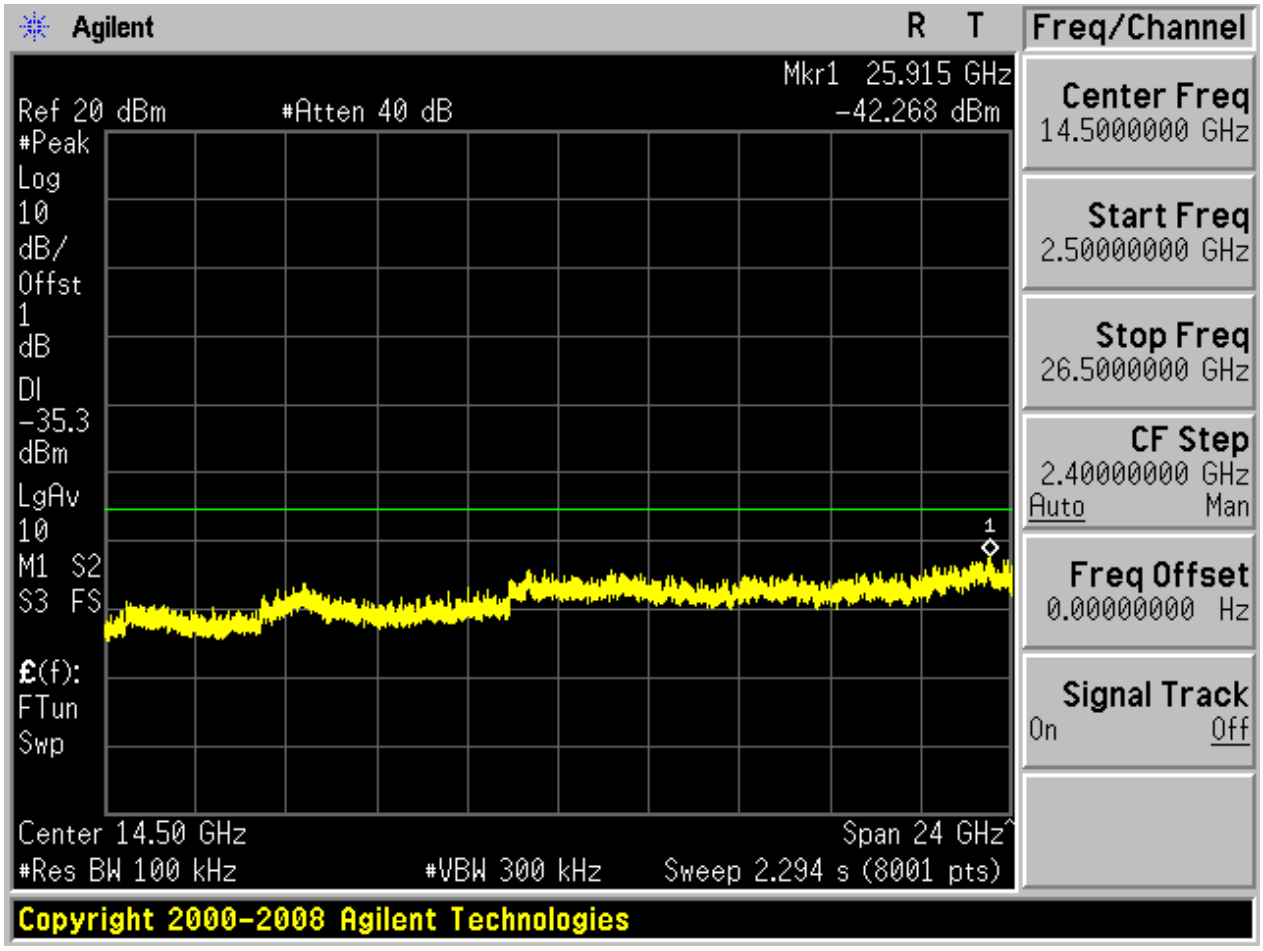

Agilent
R T
Freq/Channel
Mkr1 2.491 997 5 GHz
Ref 20 dBm
#Atten 40 dB
-50.090 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-35.3
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Copyright 2000-2008 Agilent Technologies



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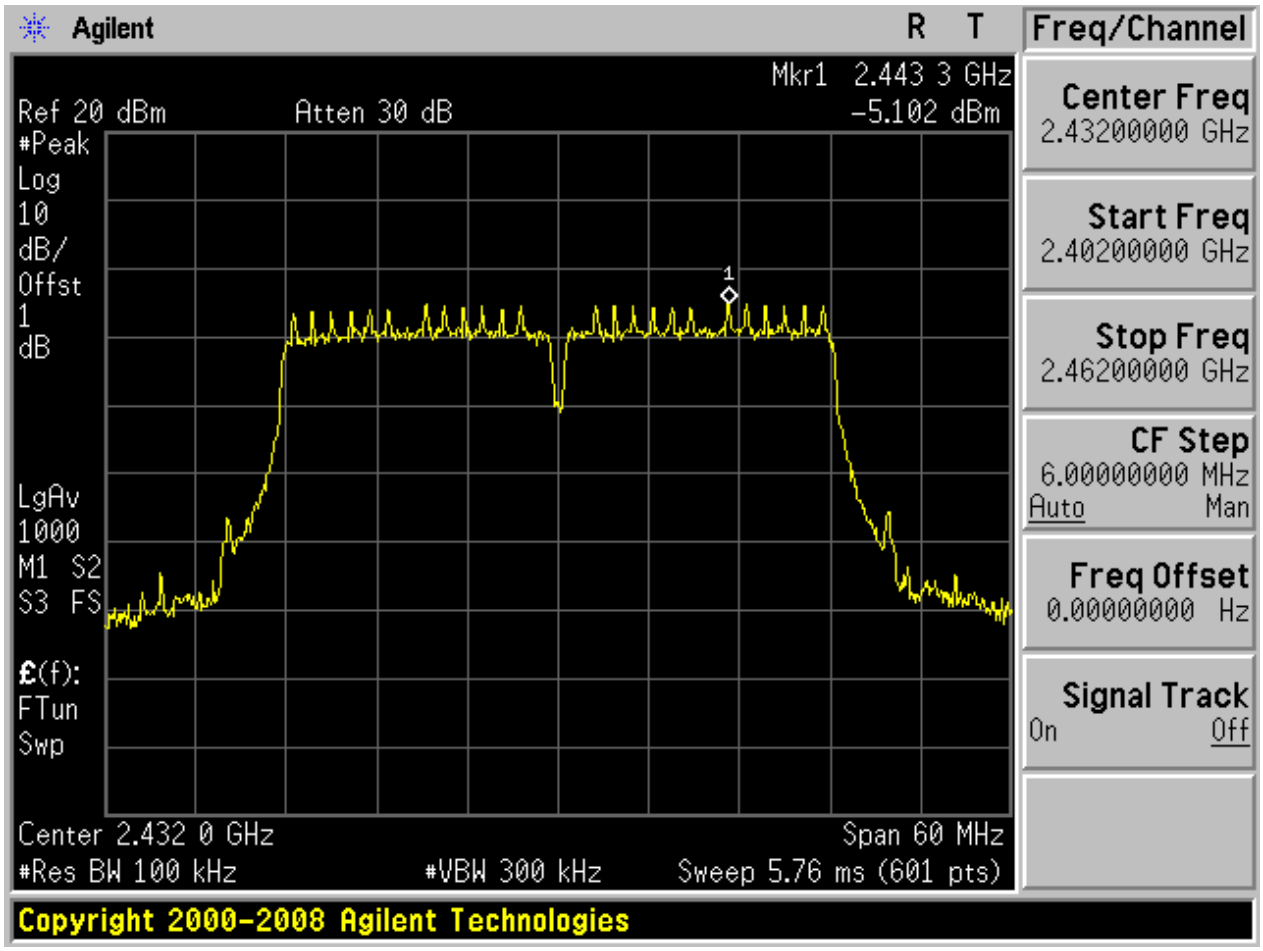
2.24 11N40_H@Ant 2

Pref:



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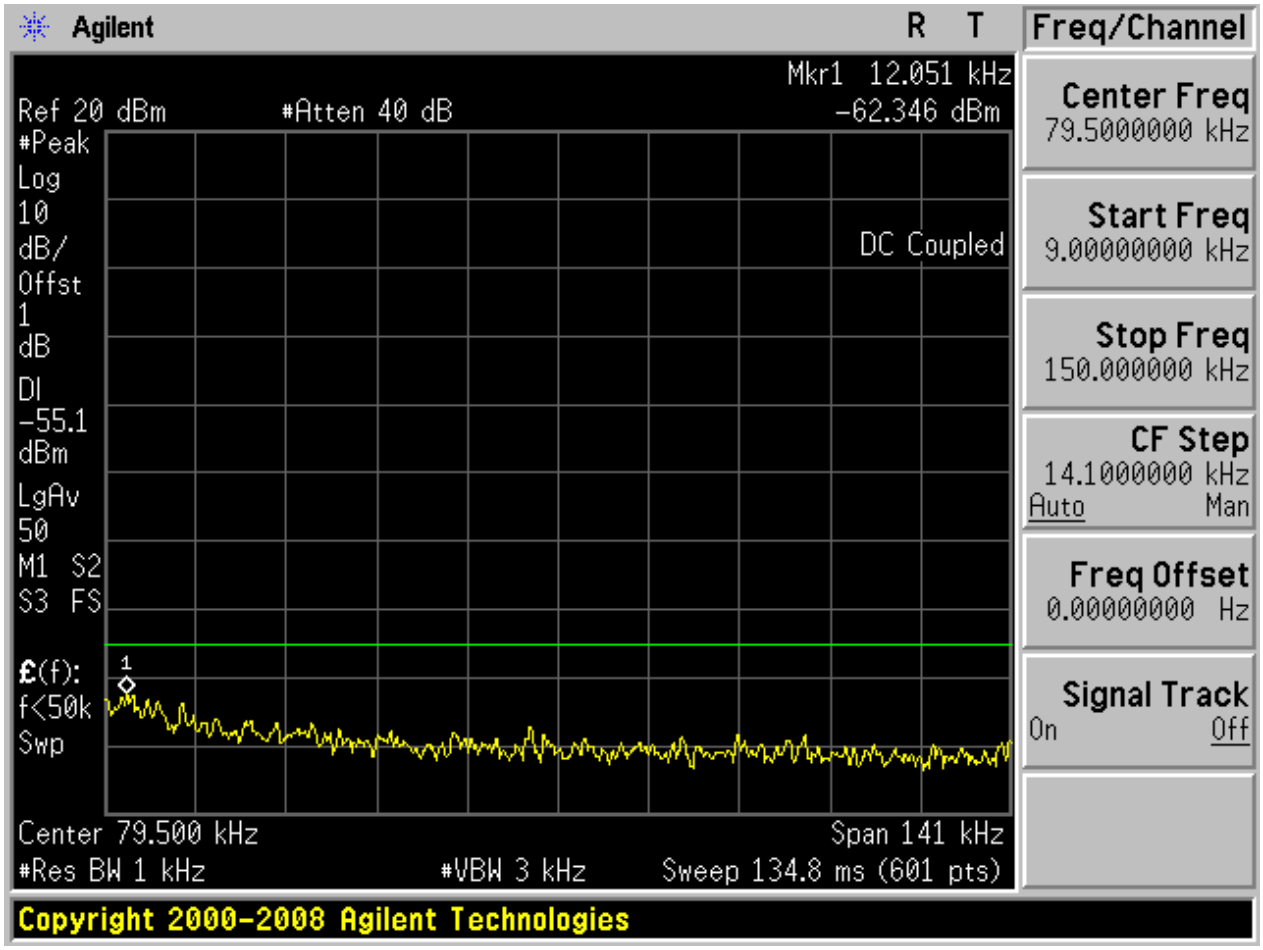
Puw:



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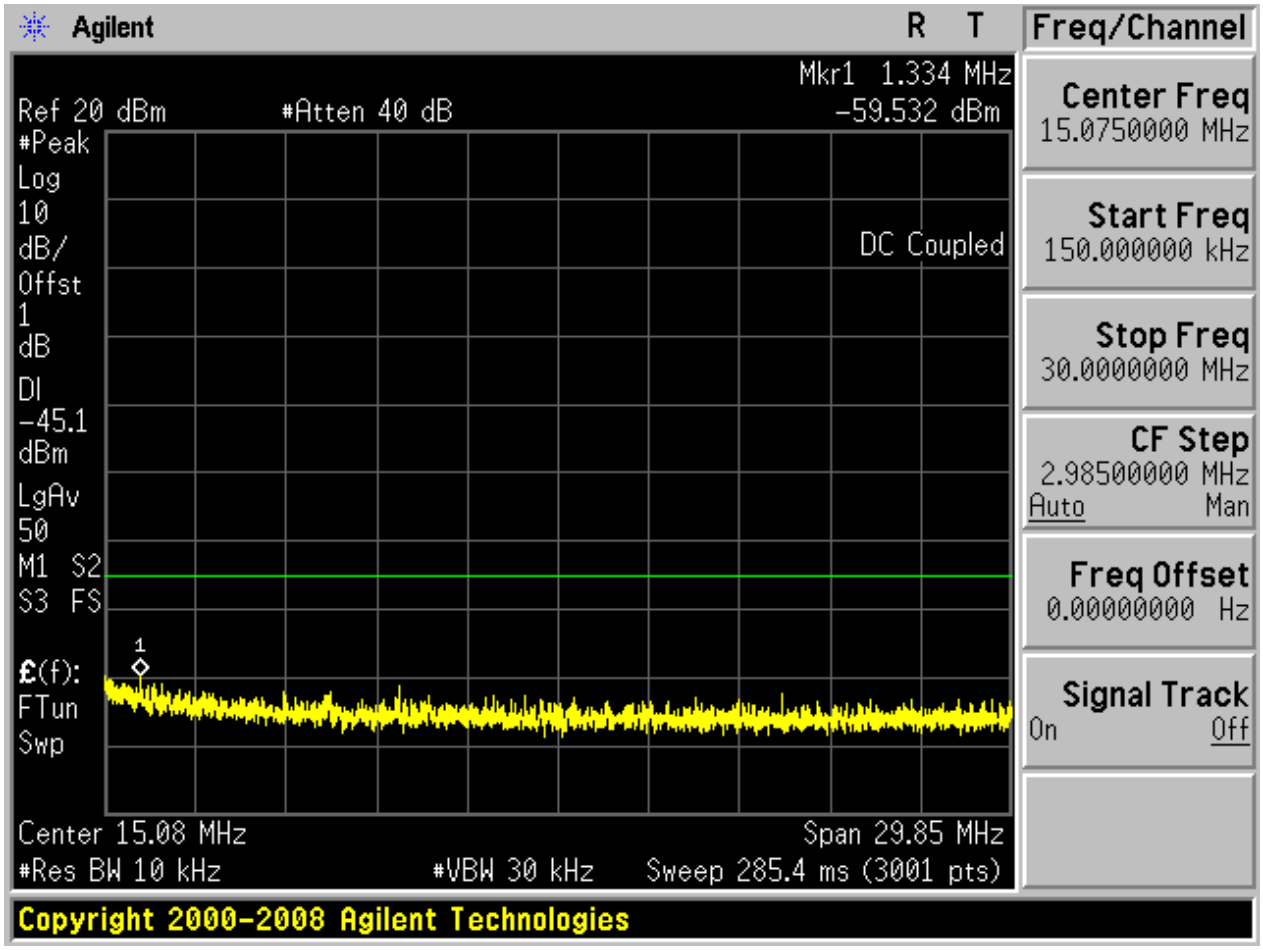

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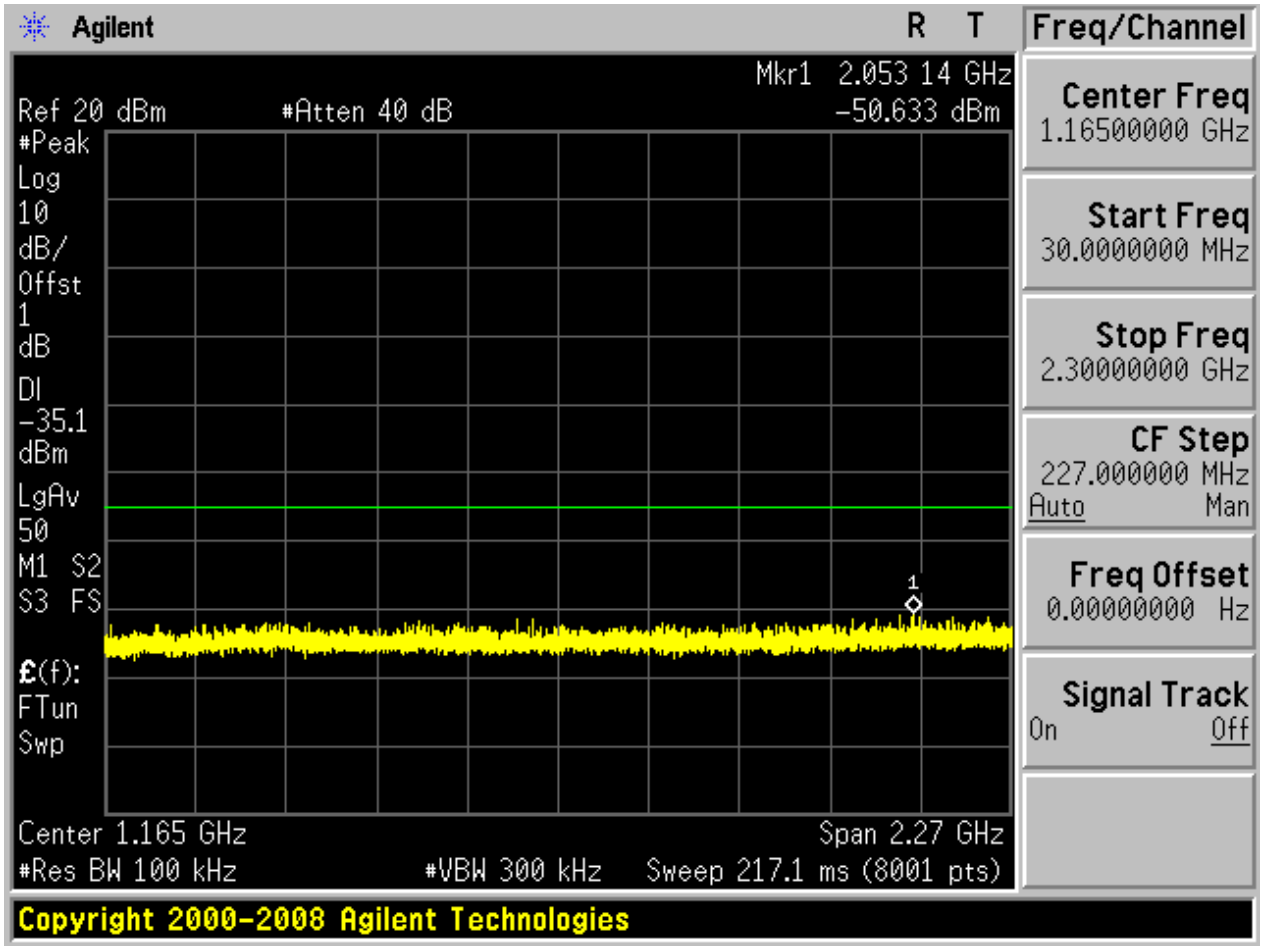

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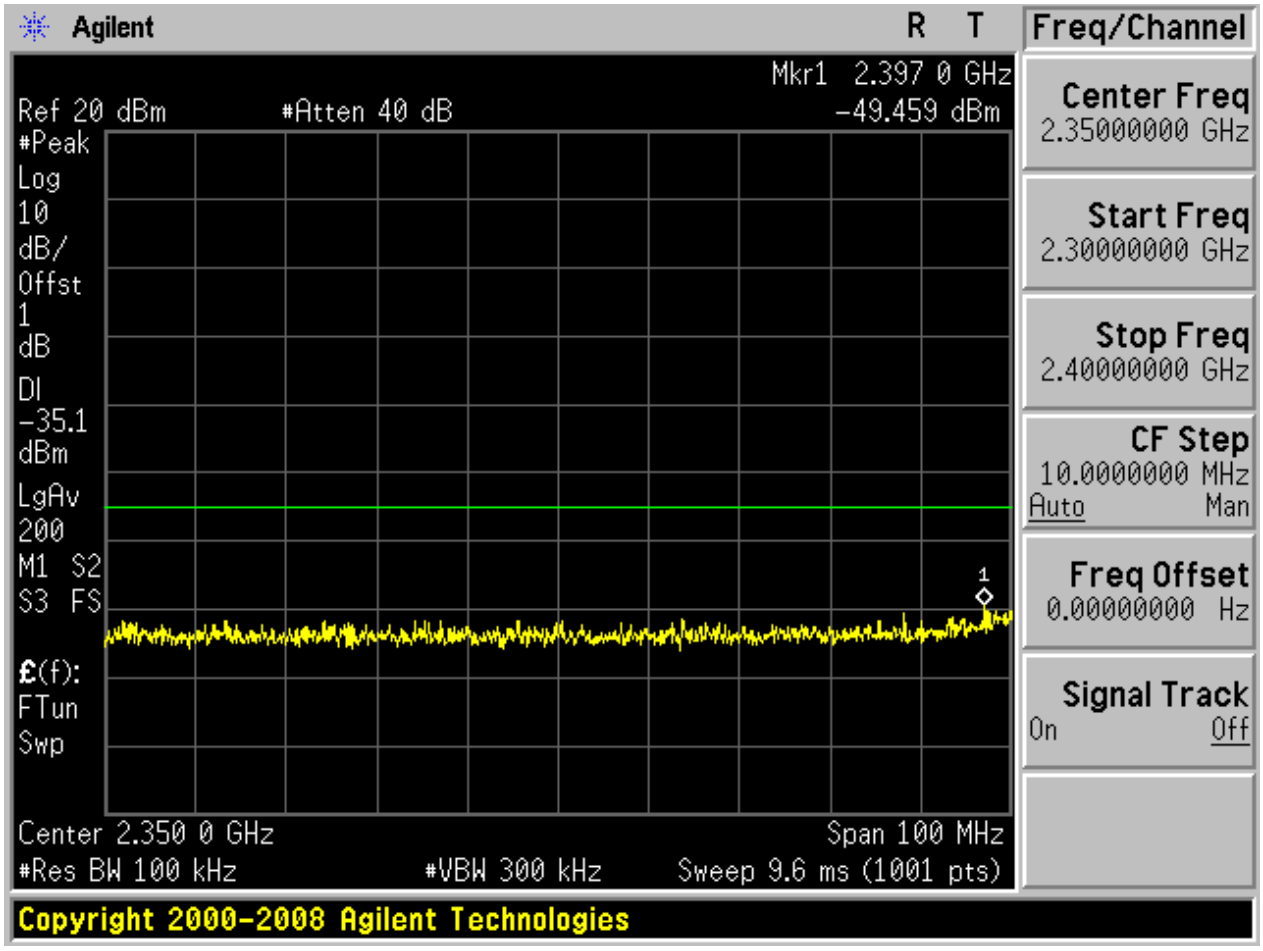

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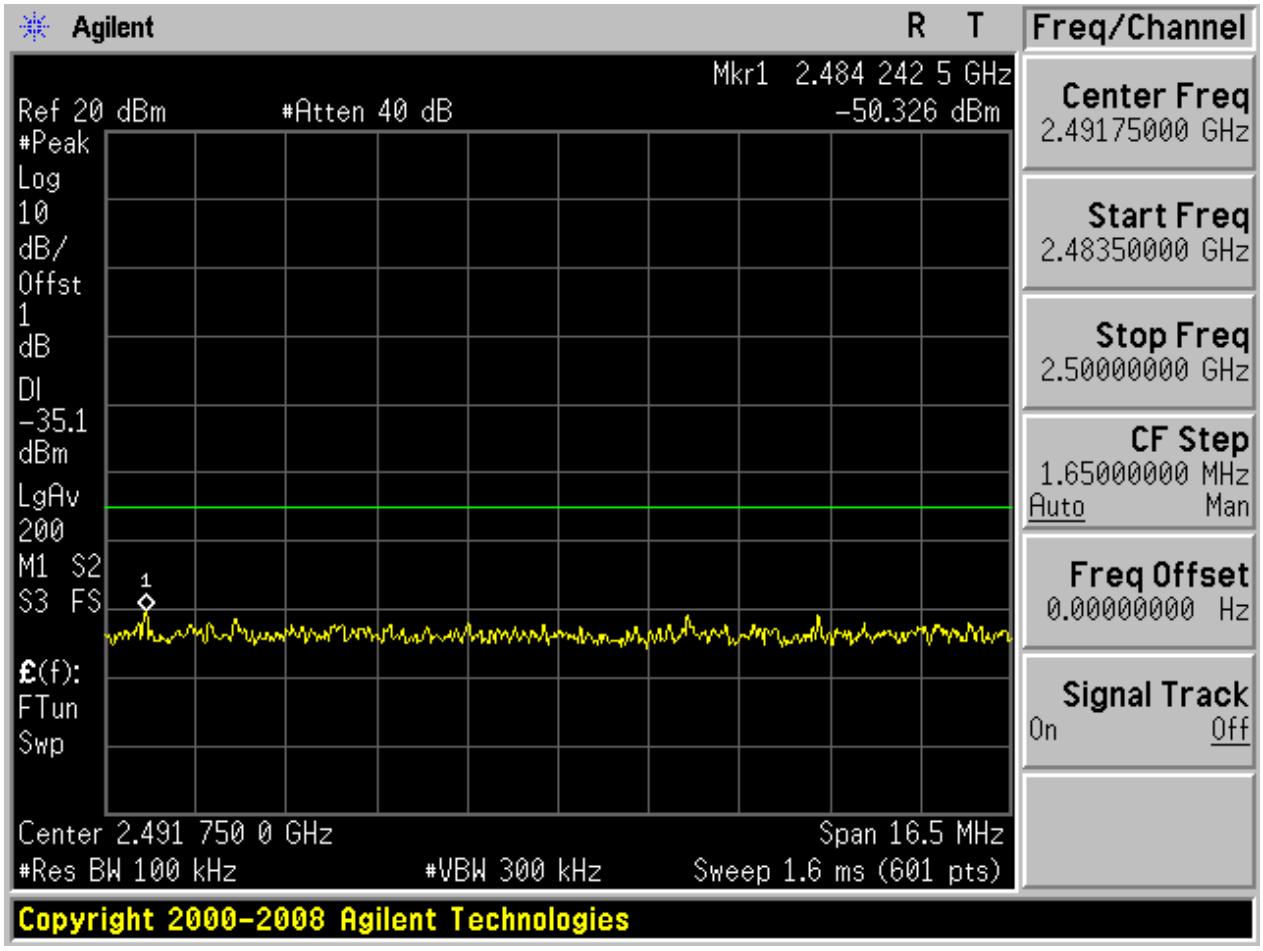

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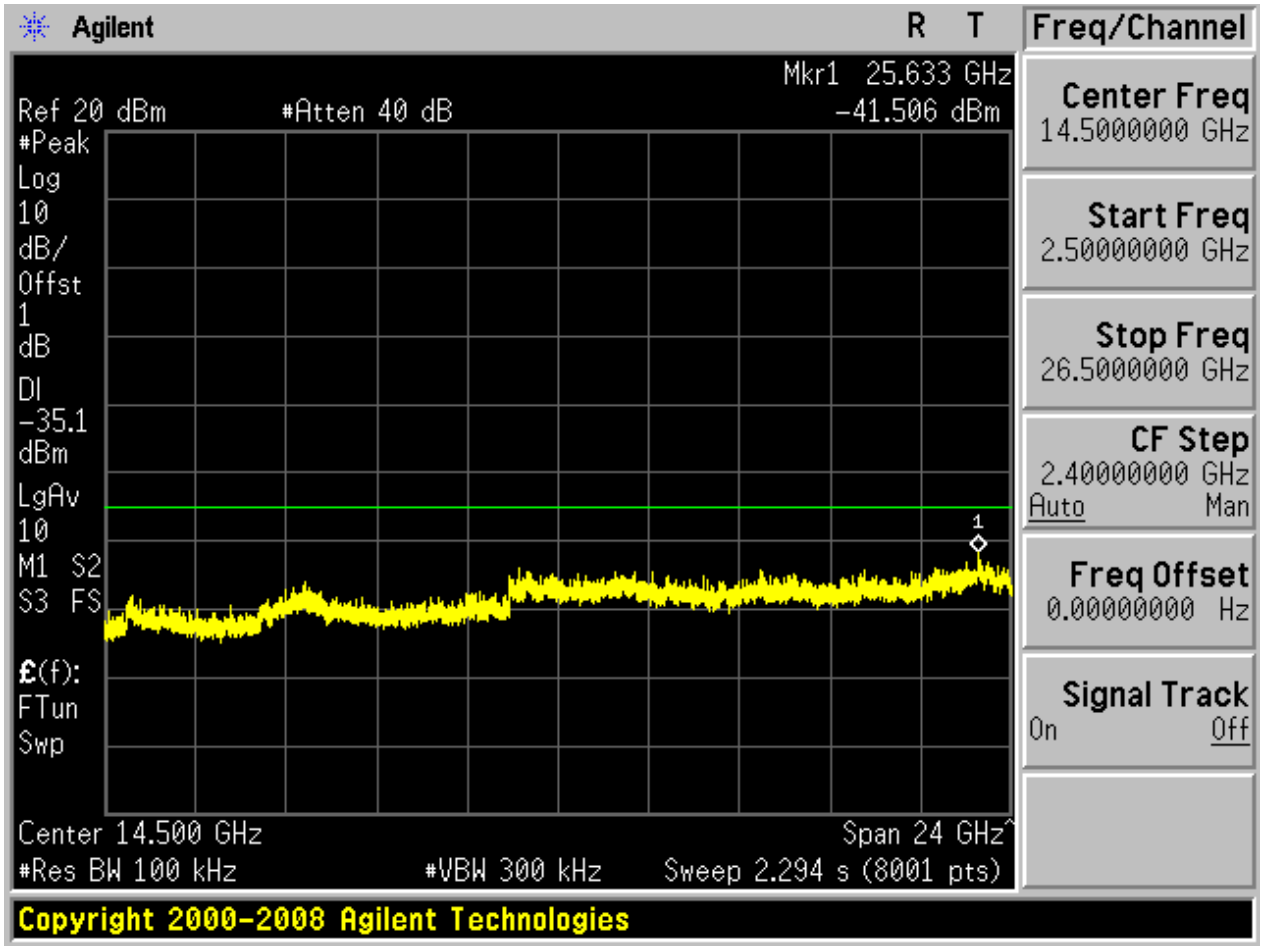

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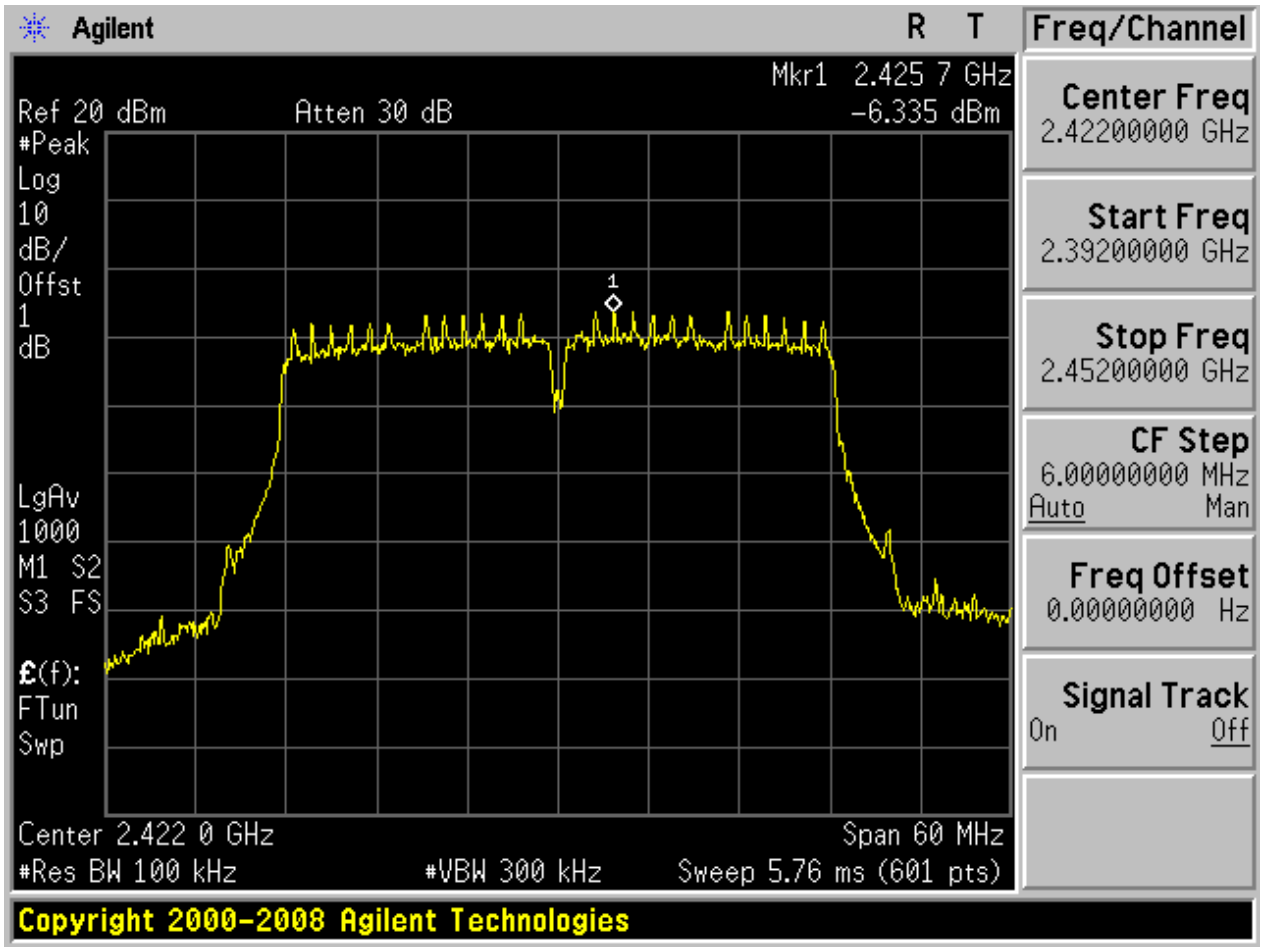
2.31 11N40m_L@Ant 1

Pref:



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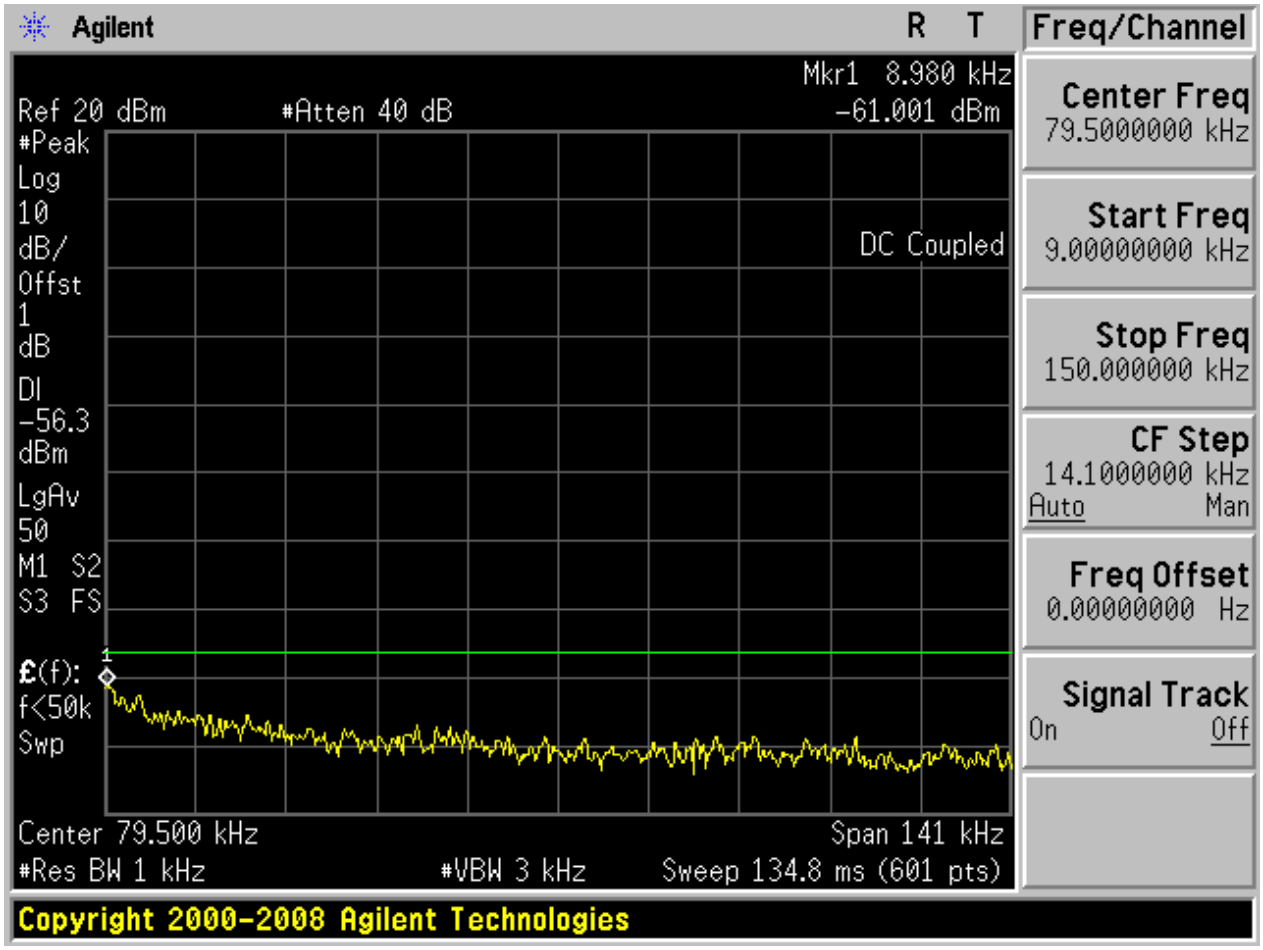
Puw:



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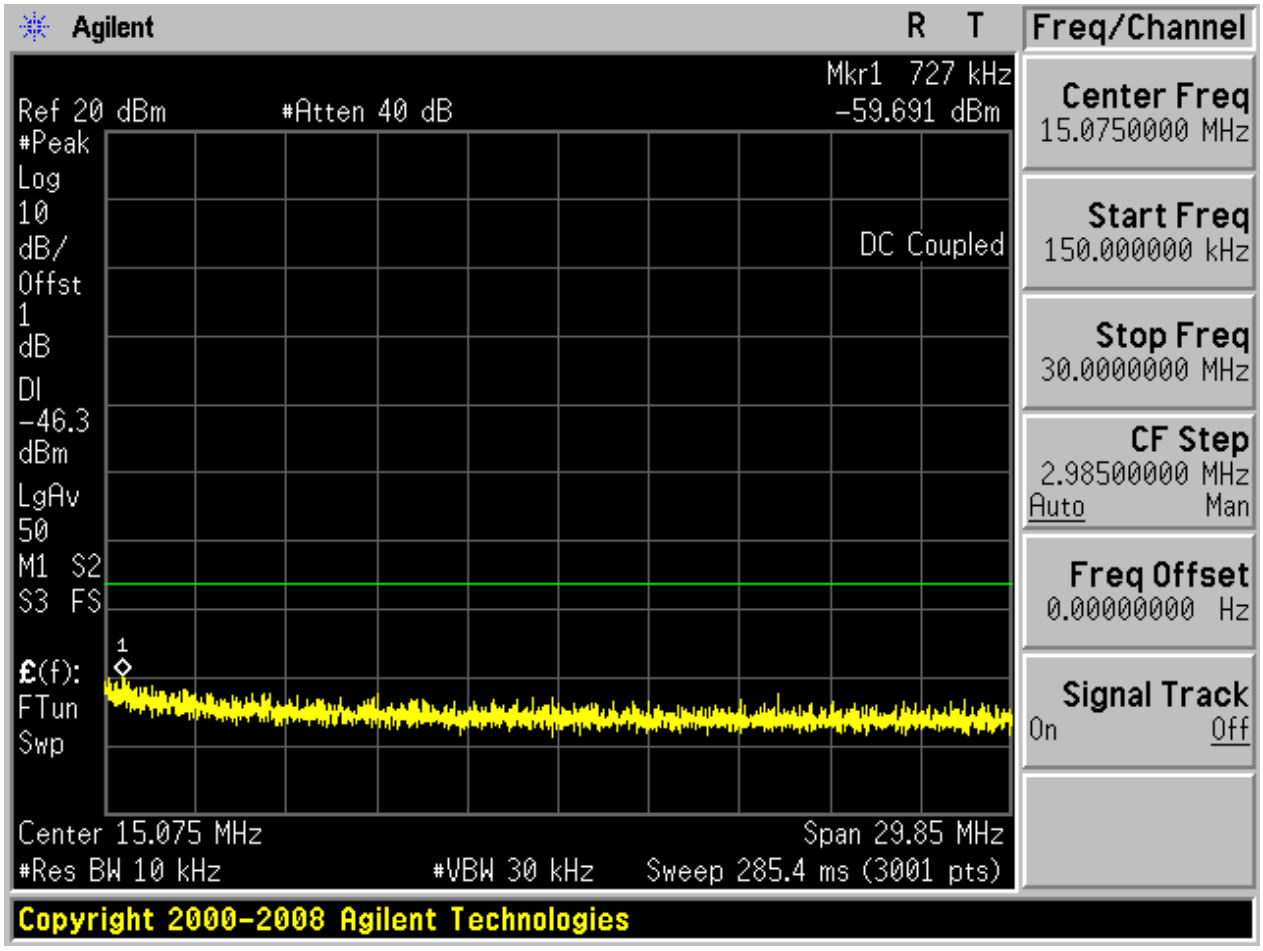

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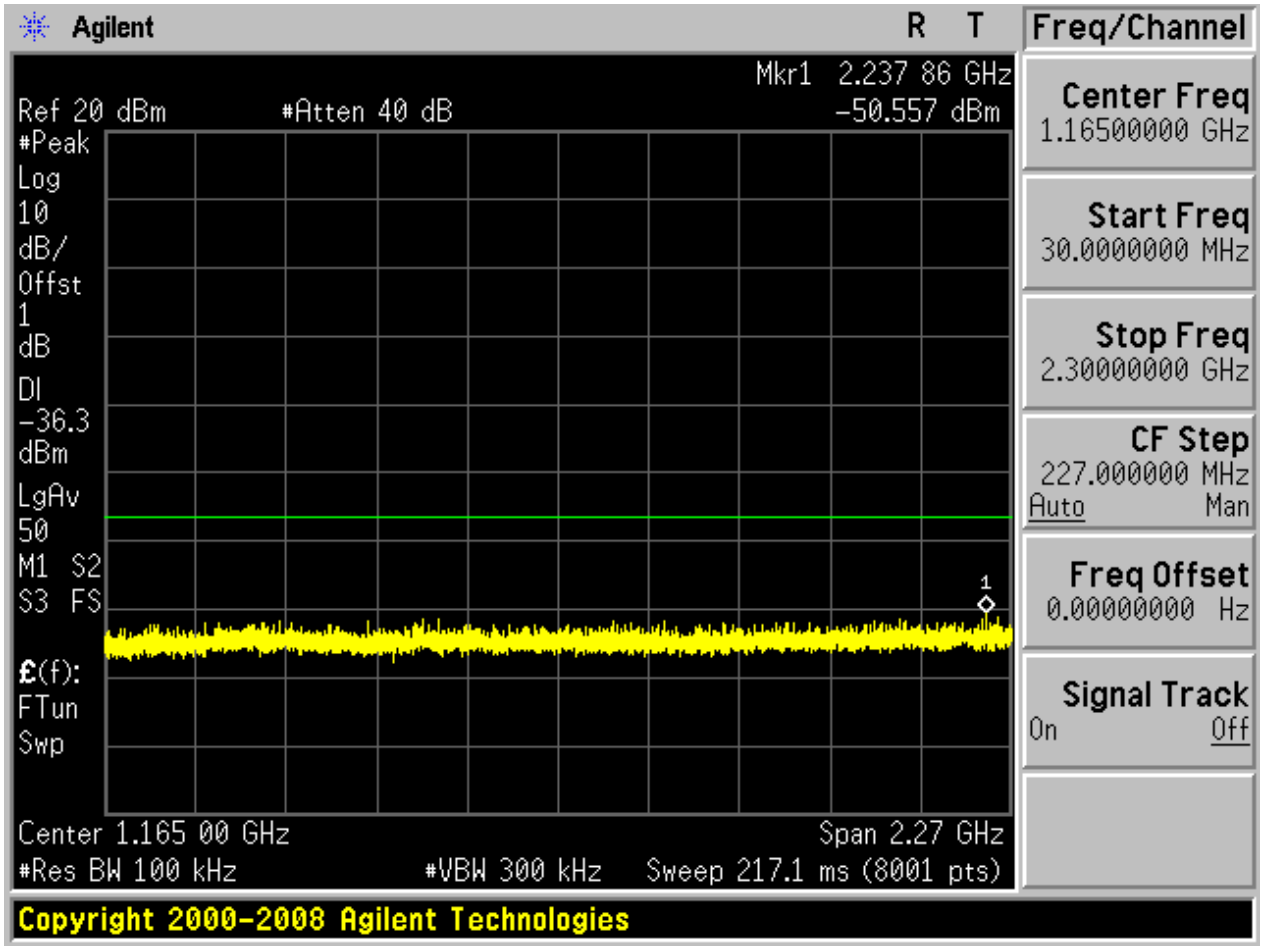

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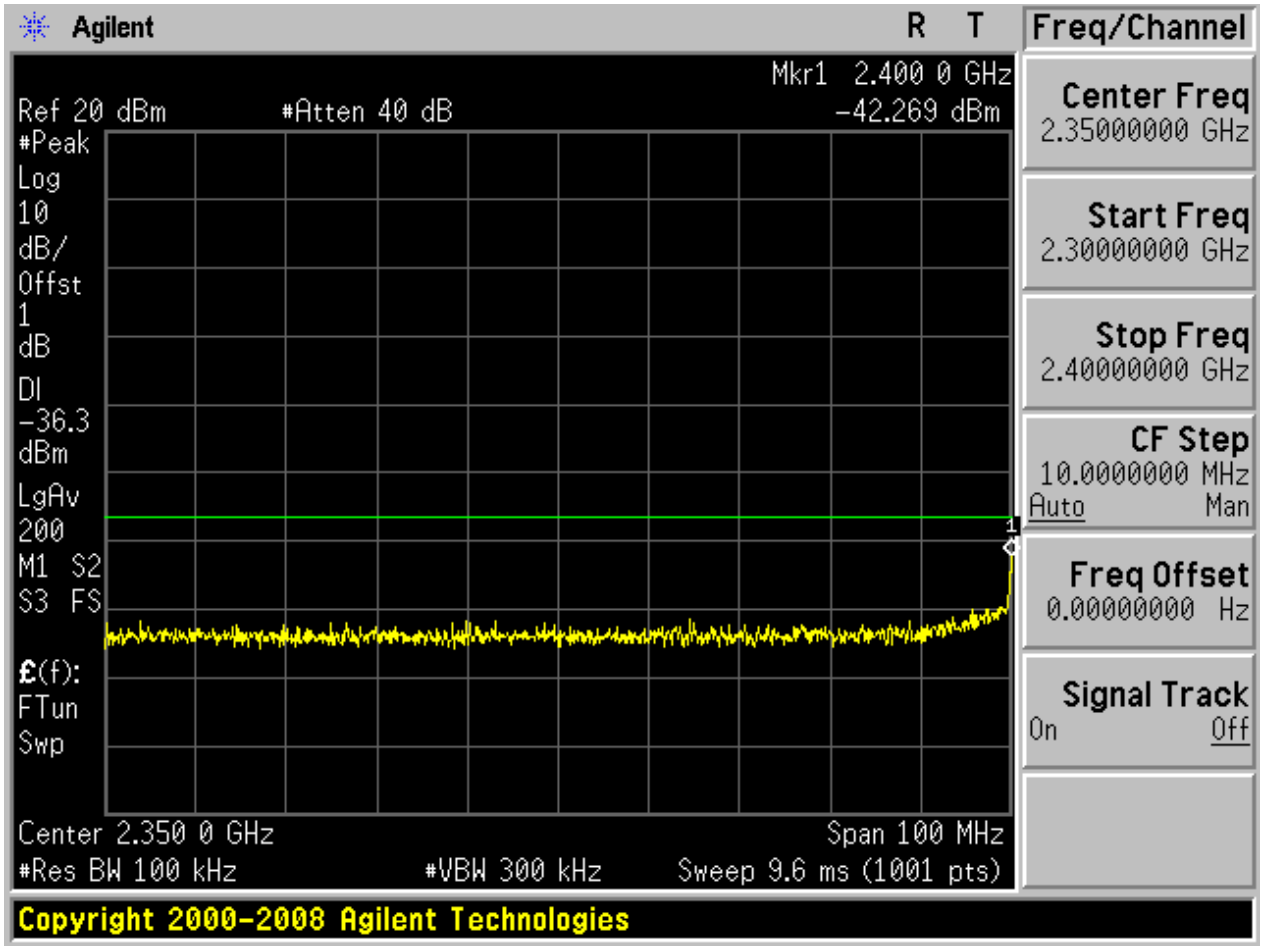

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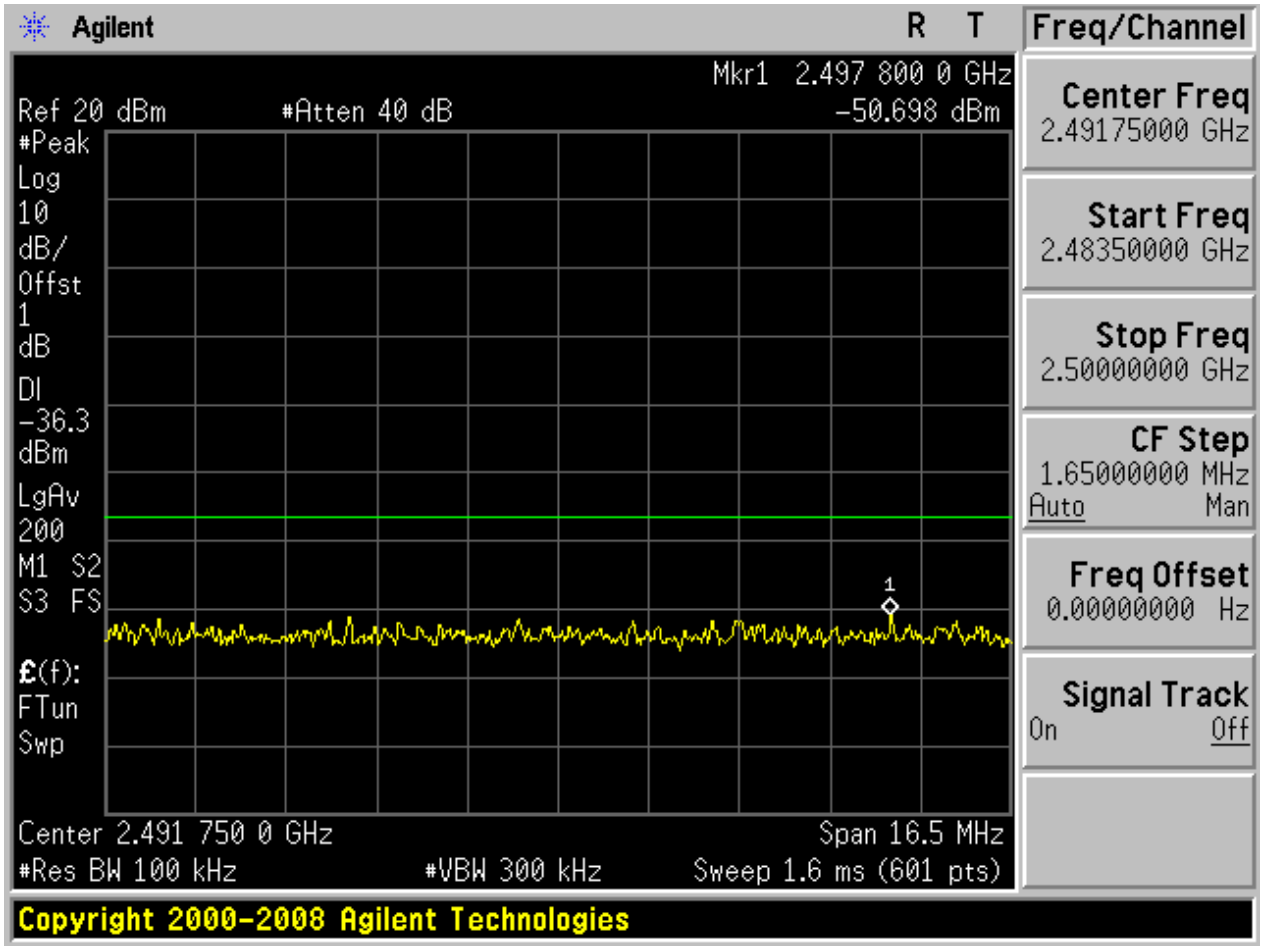

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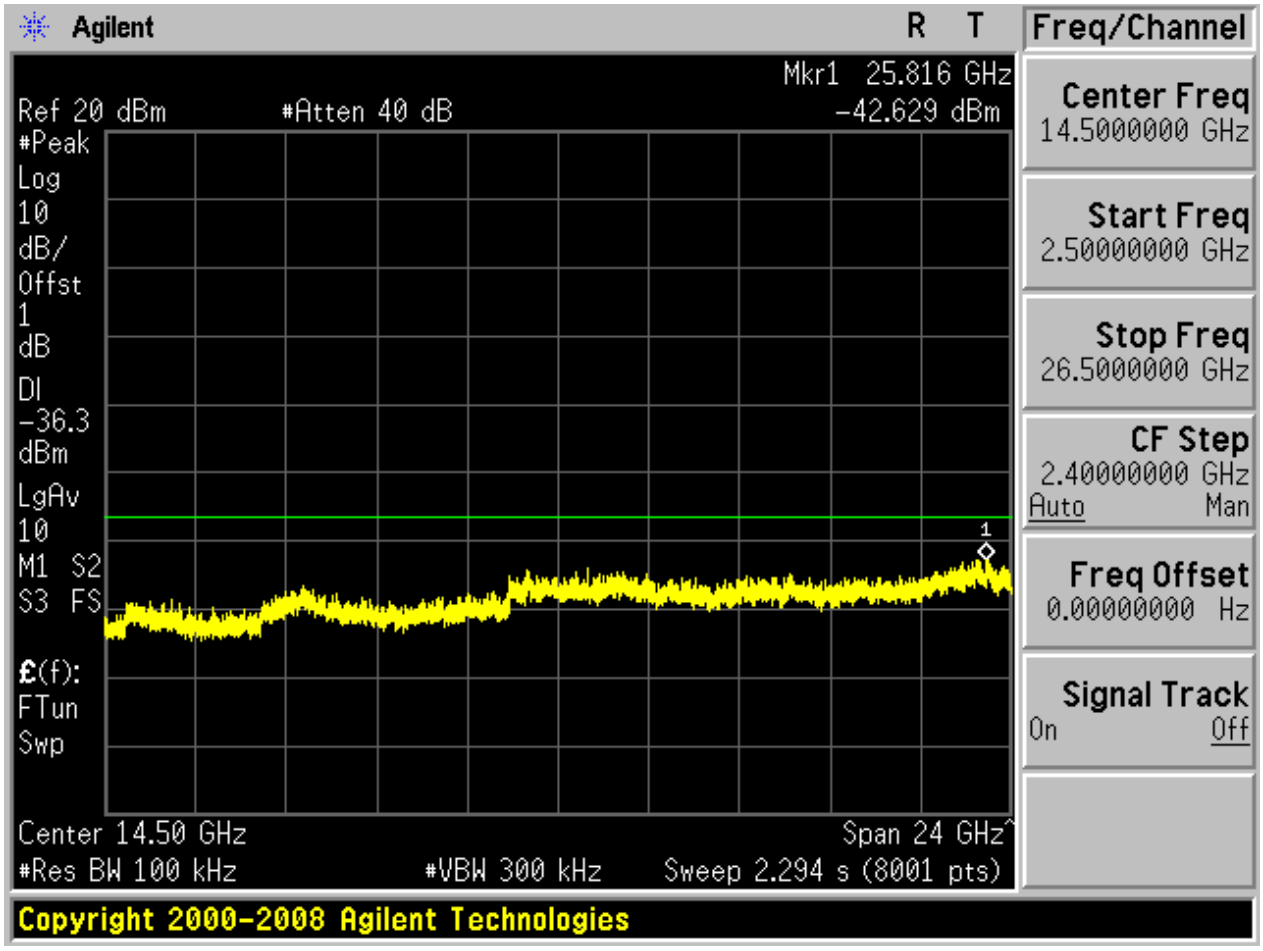

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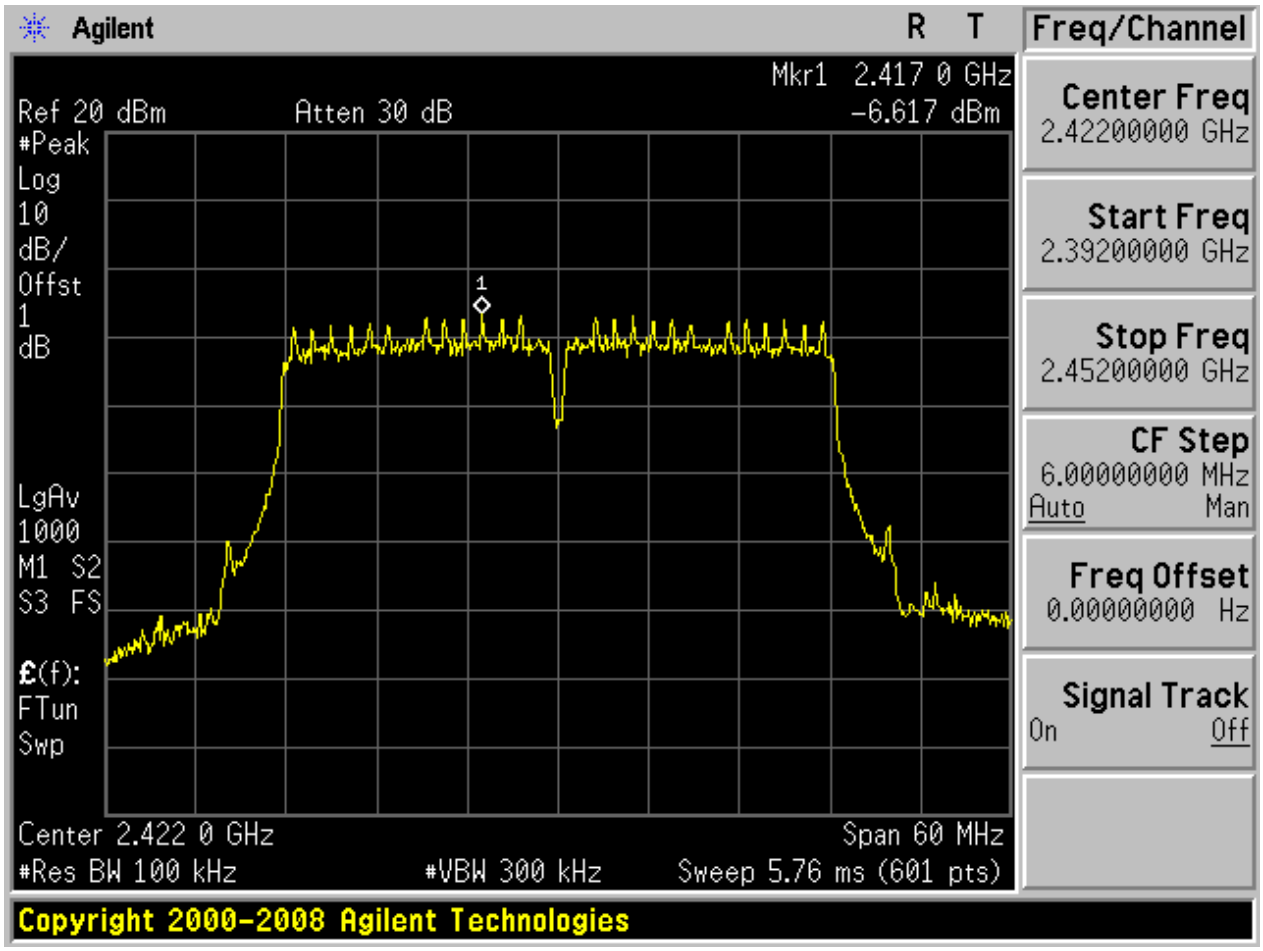
2.32 11N40m_L@Ant 2

Pref:



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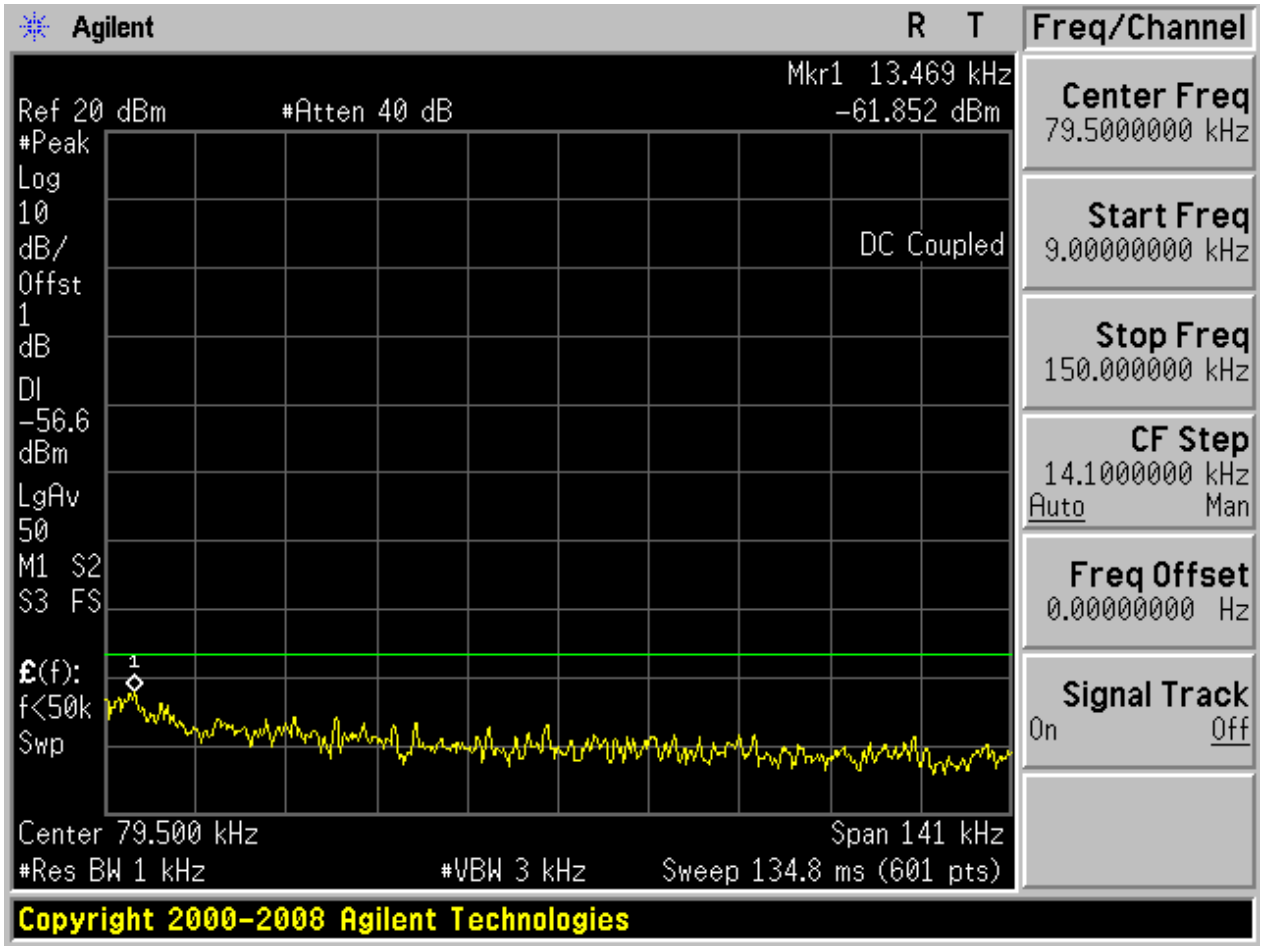
Puw:



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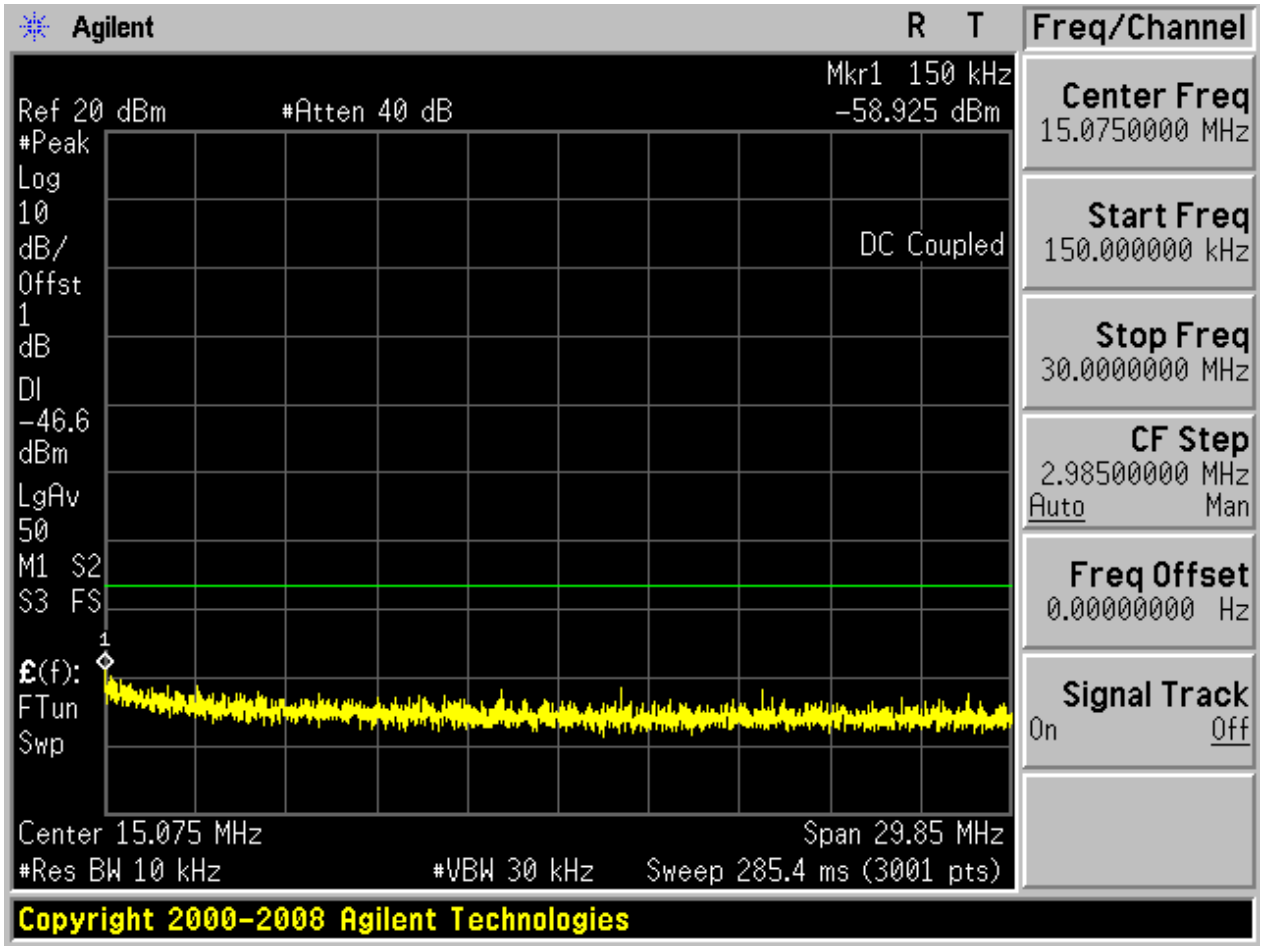

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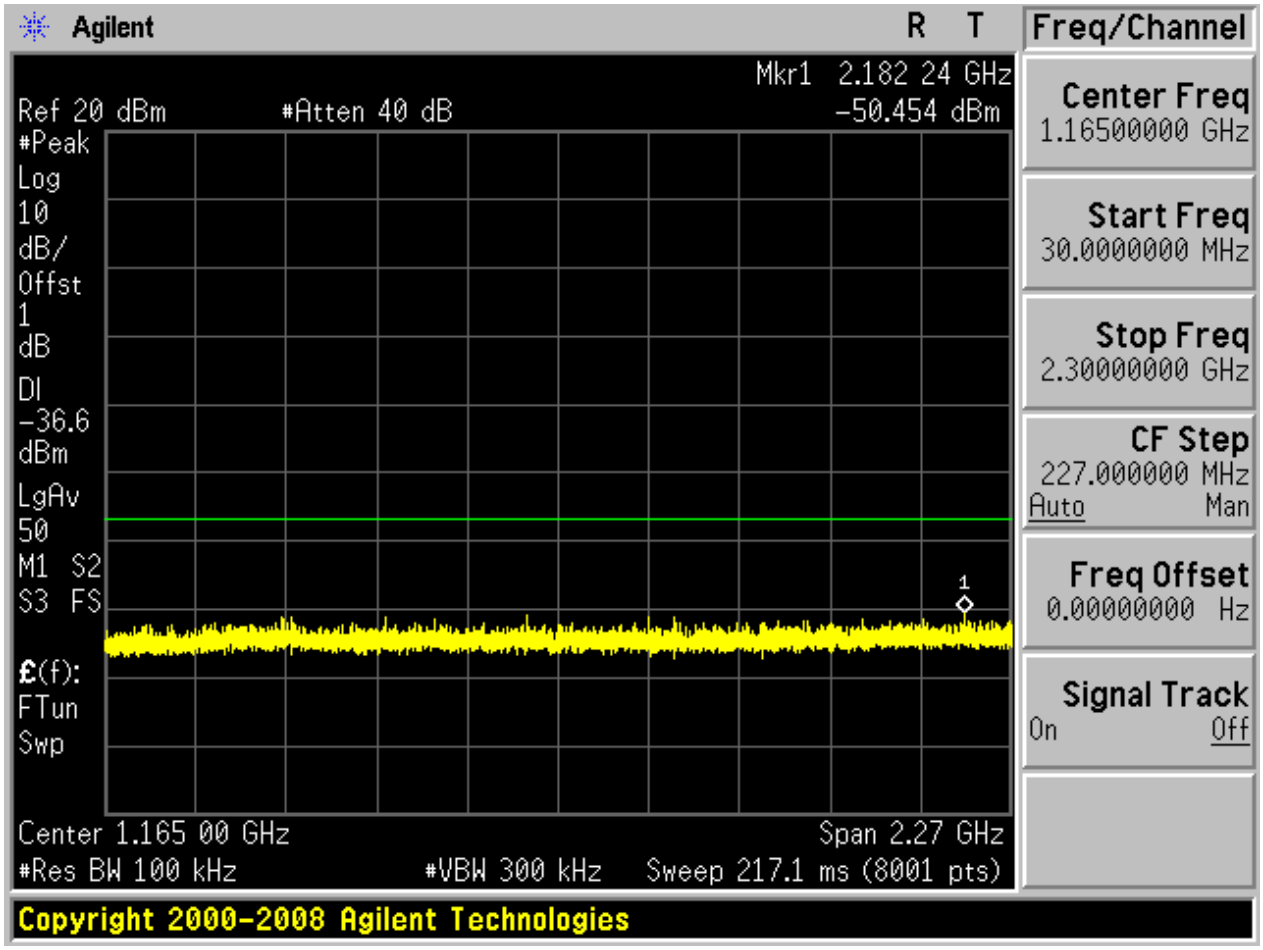
Agilent
R T
Freq/Channel
Mkr1 2.182 24 GHz
Ref 20 dBm
#Atten 40 dB
-50.454 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.6
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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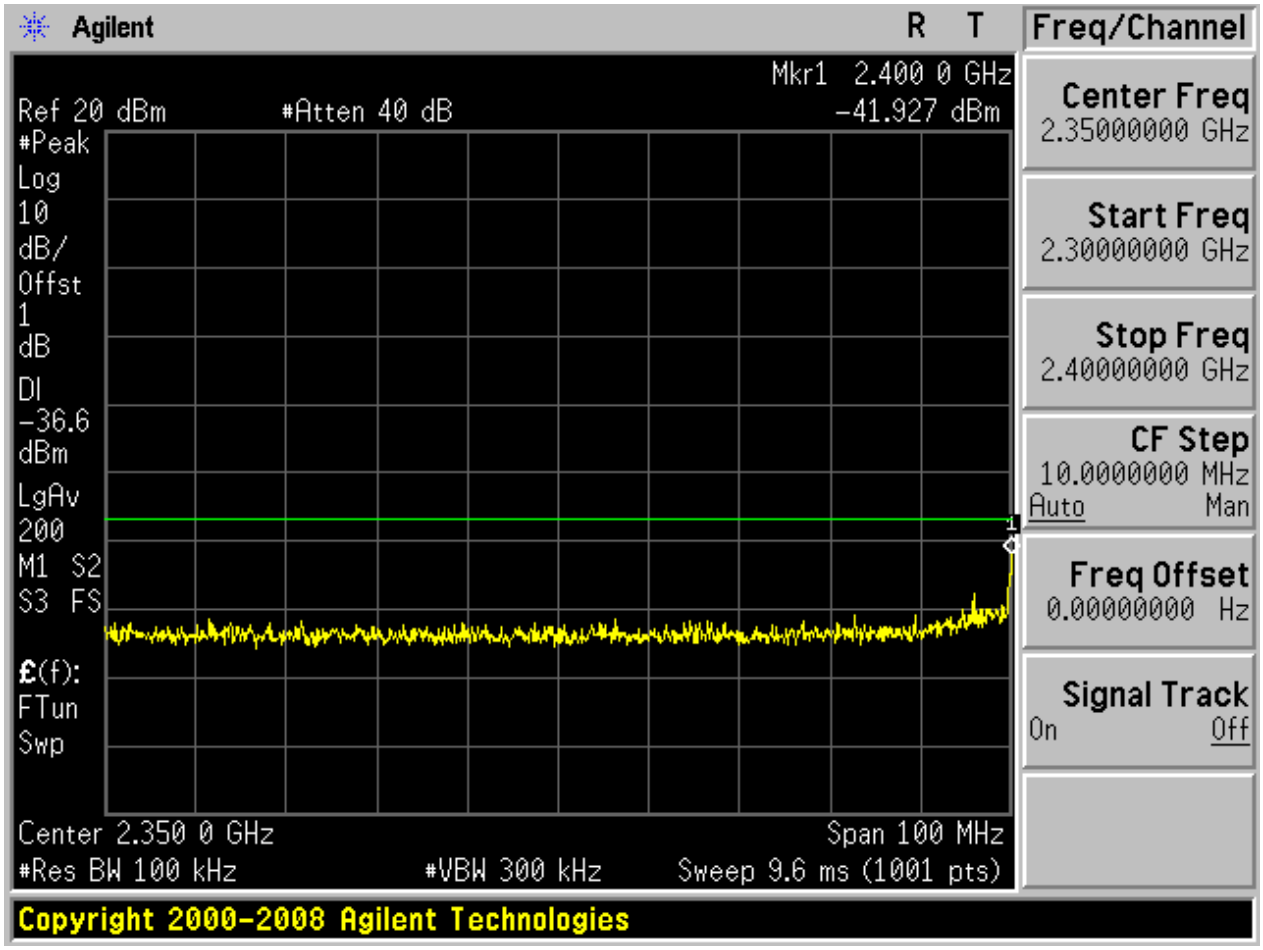
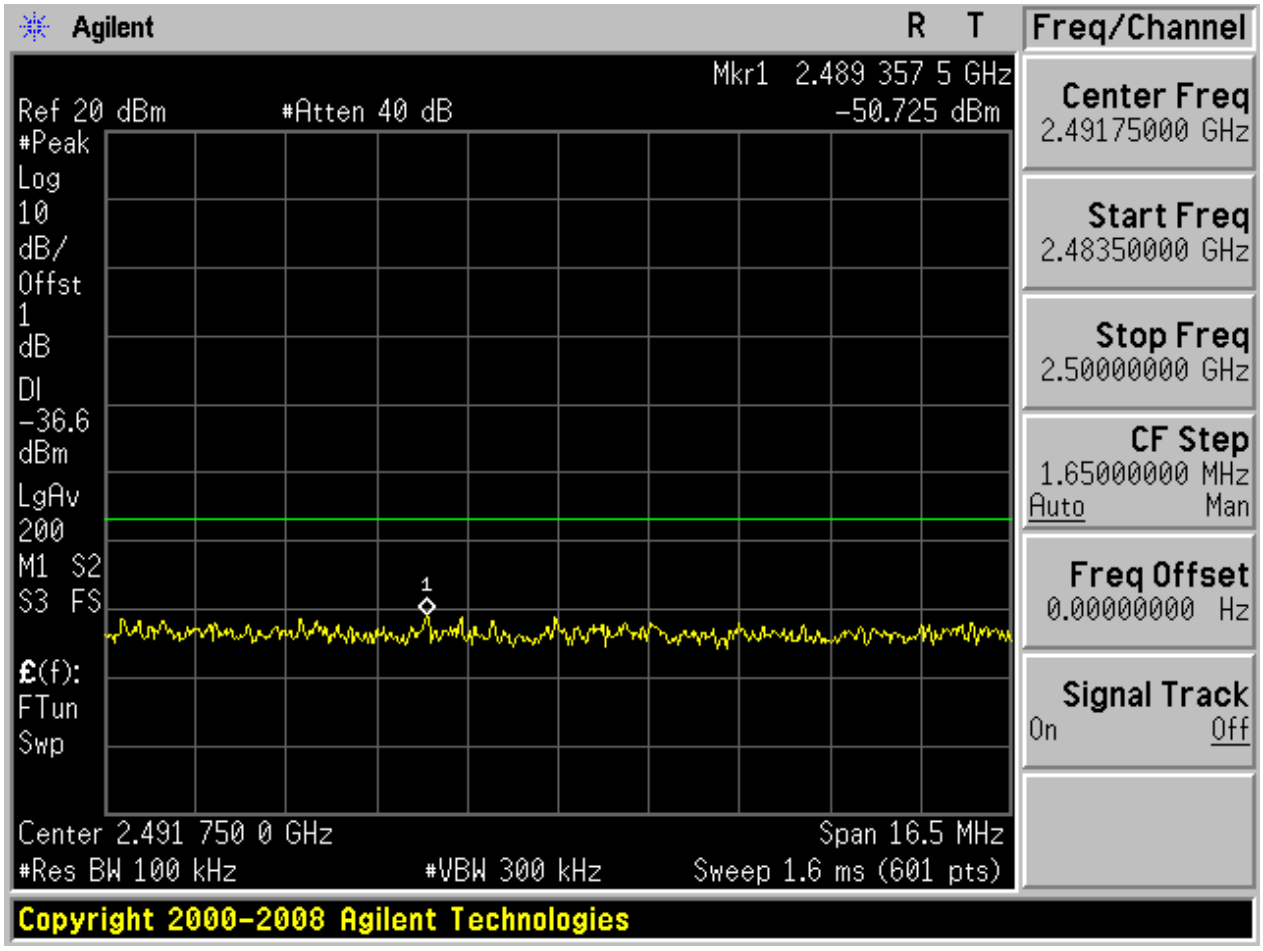

Agilent
R T
Freq/Channel
Mkr1 2.400 0 GHz
Ref 20 dBm
#Atten 40 dB
-41.927 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.6
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center 2.350 0 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.6 ms (1001 pts)
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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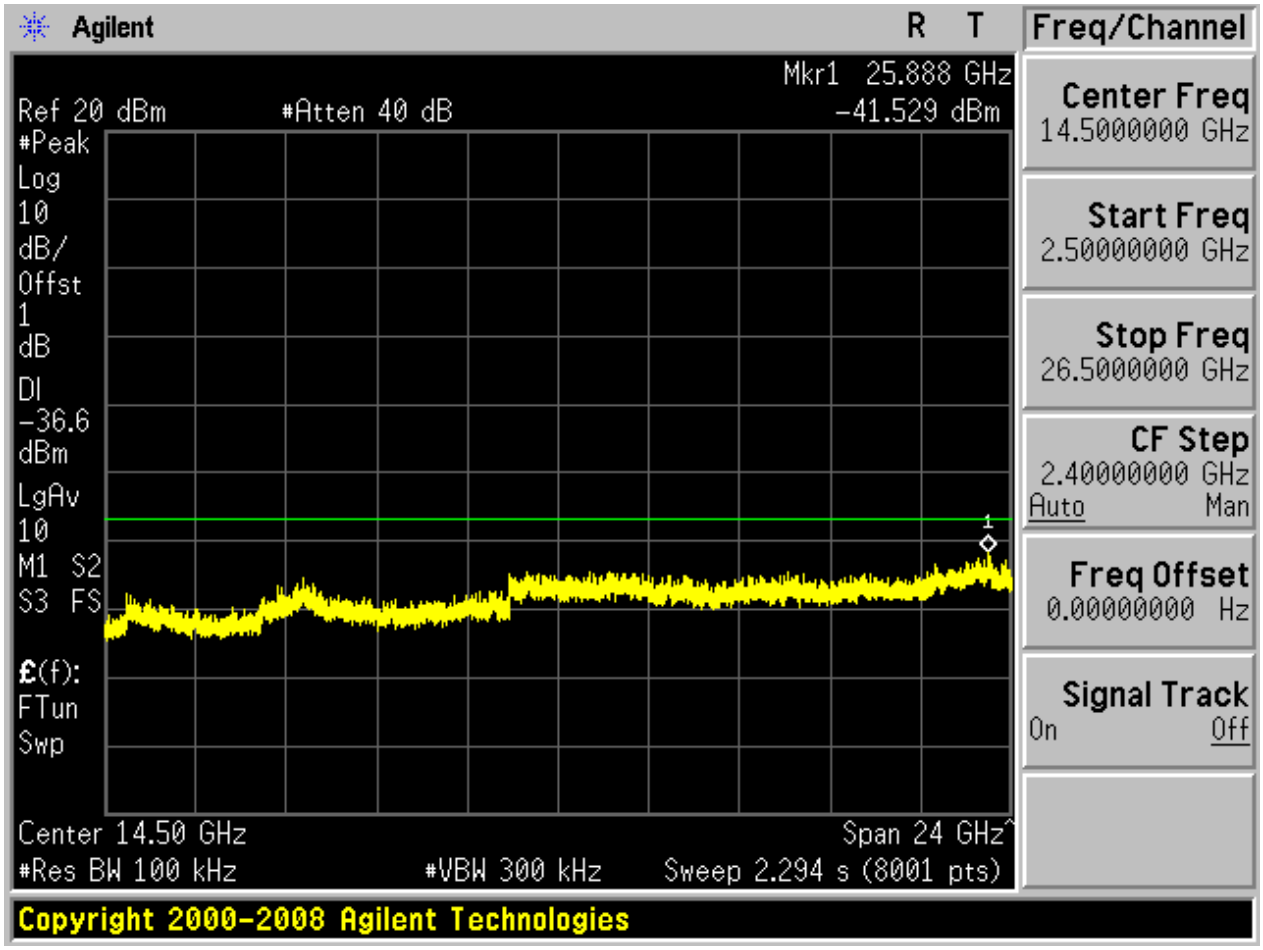
Agilent
R T
Freq/Channel
Mkr1 25.888 GHz
Ref 20 dBm
#Atten 40 dB
-41.529 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.6
dBm
LgAv
10
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 14.50 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8001 pts)
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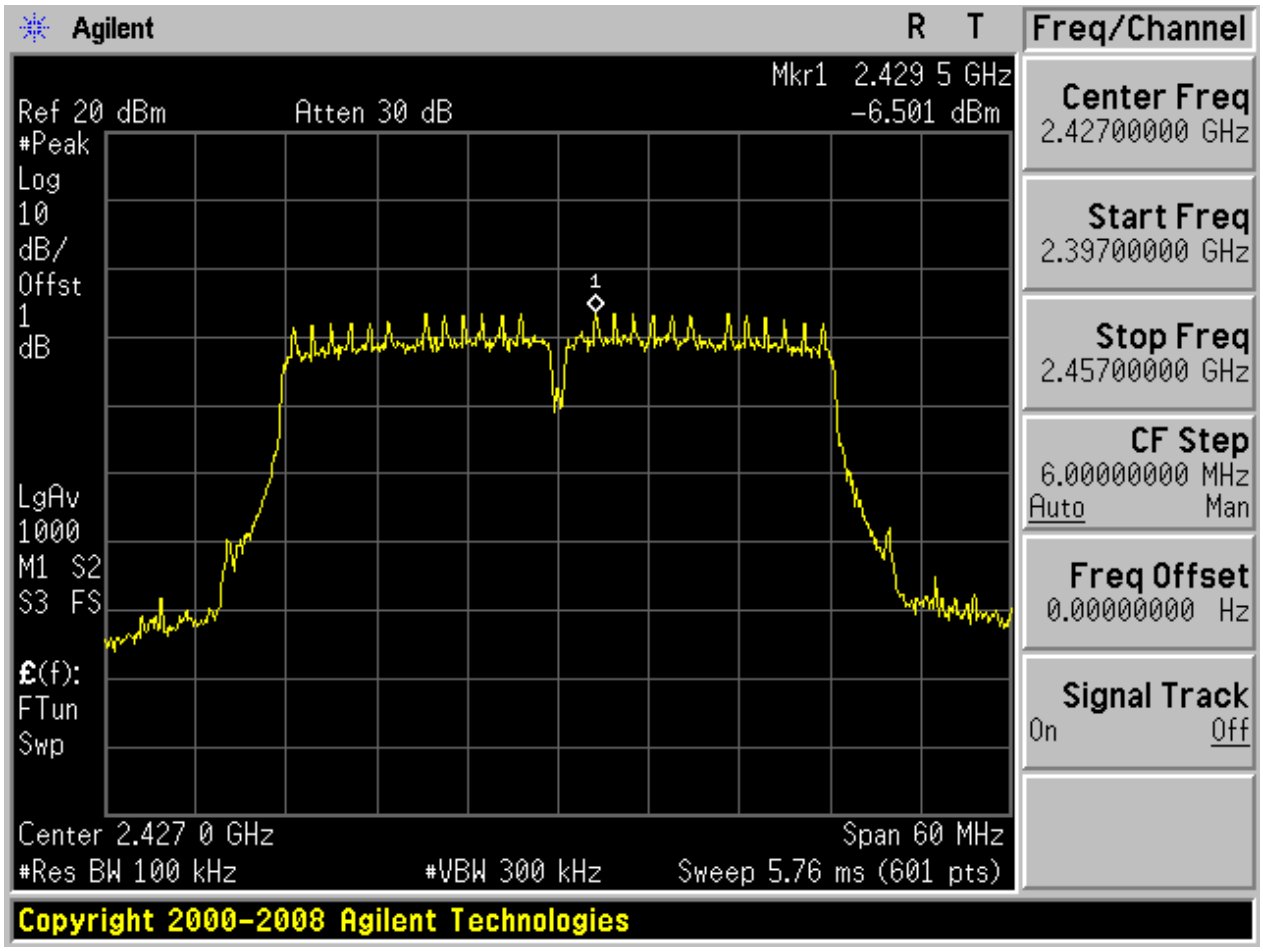
2.33 11N40m_M@Ant 1

Pref:



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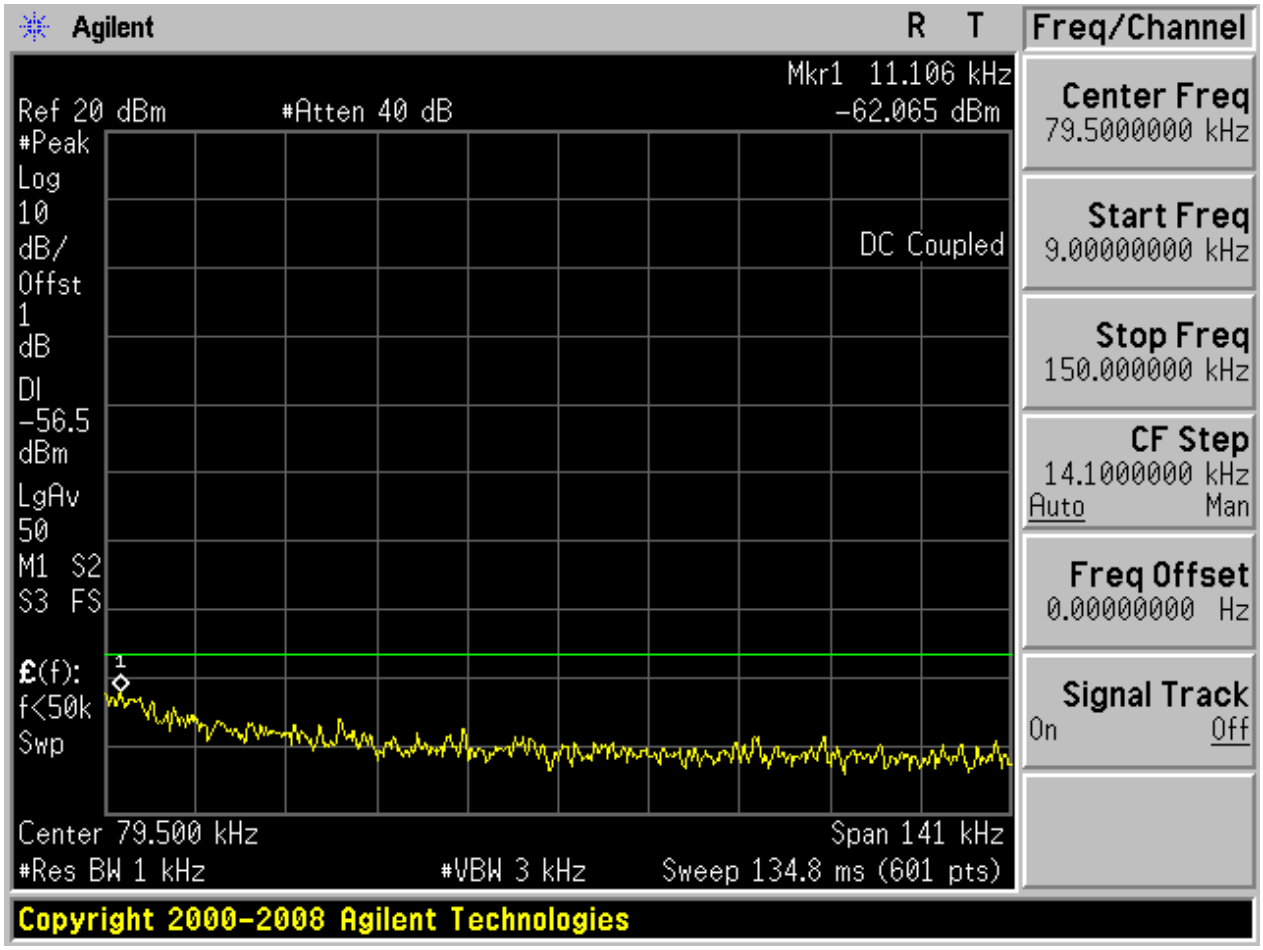

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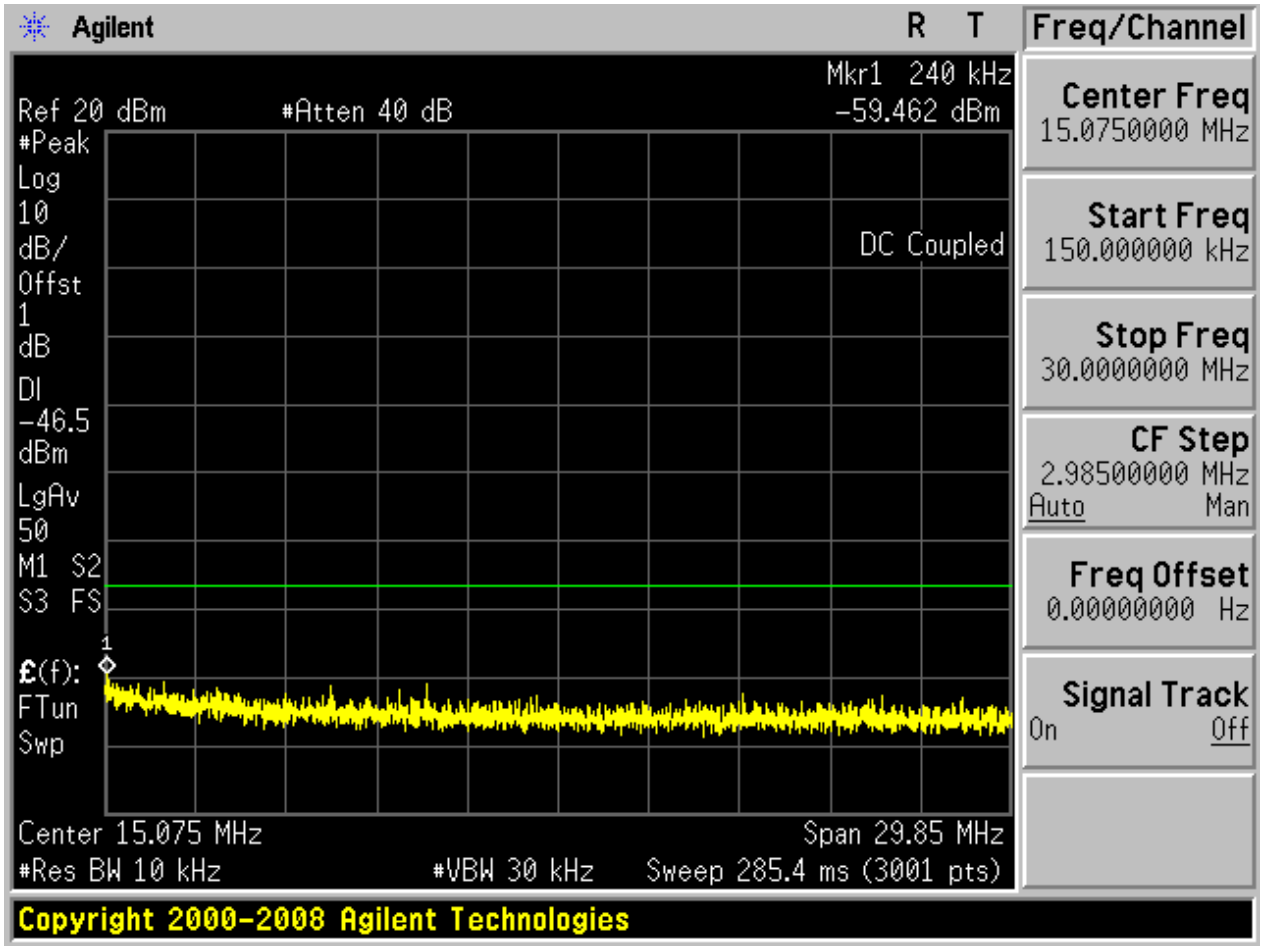

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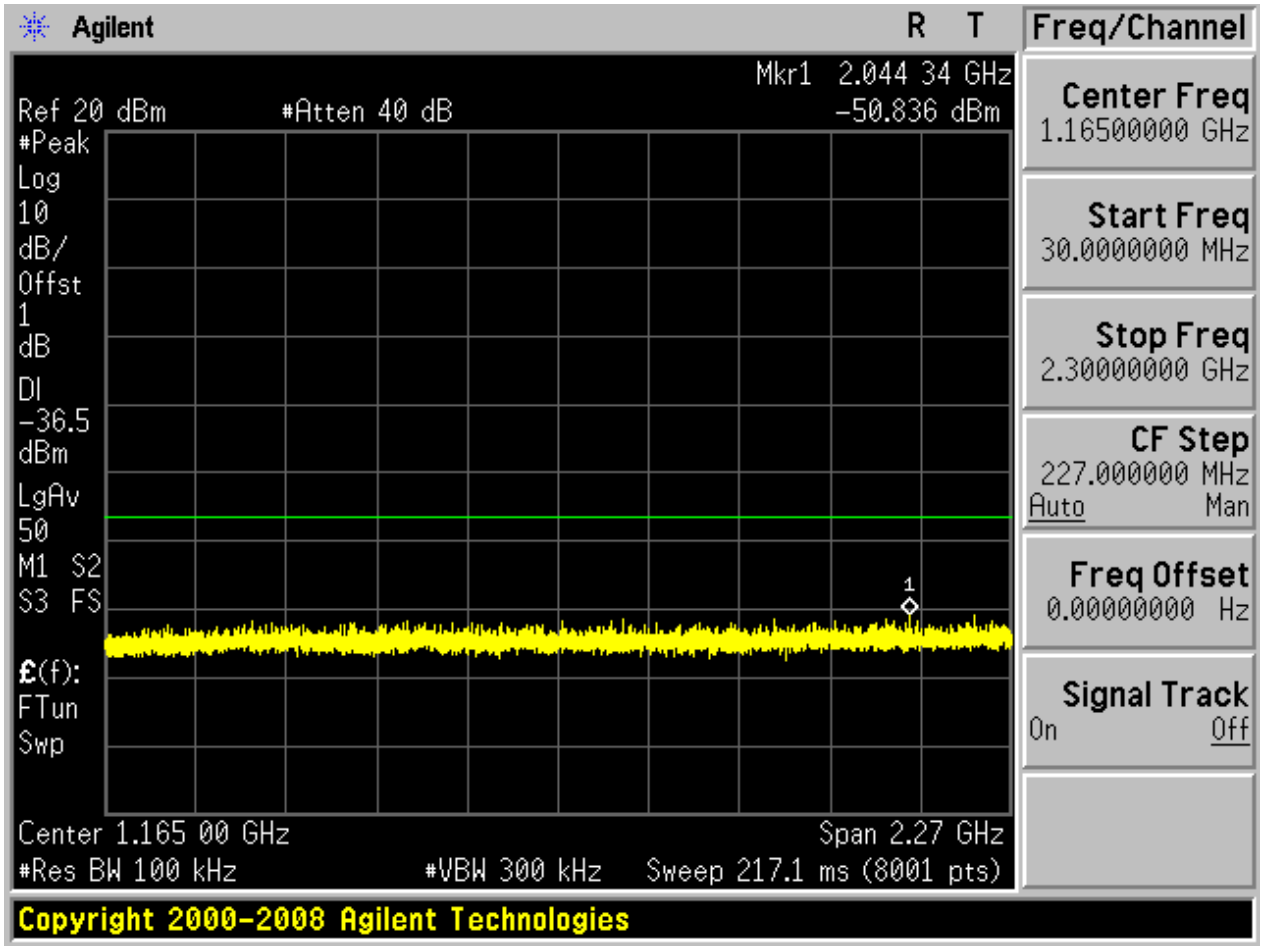
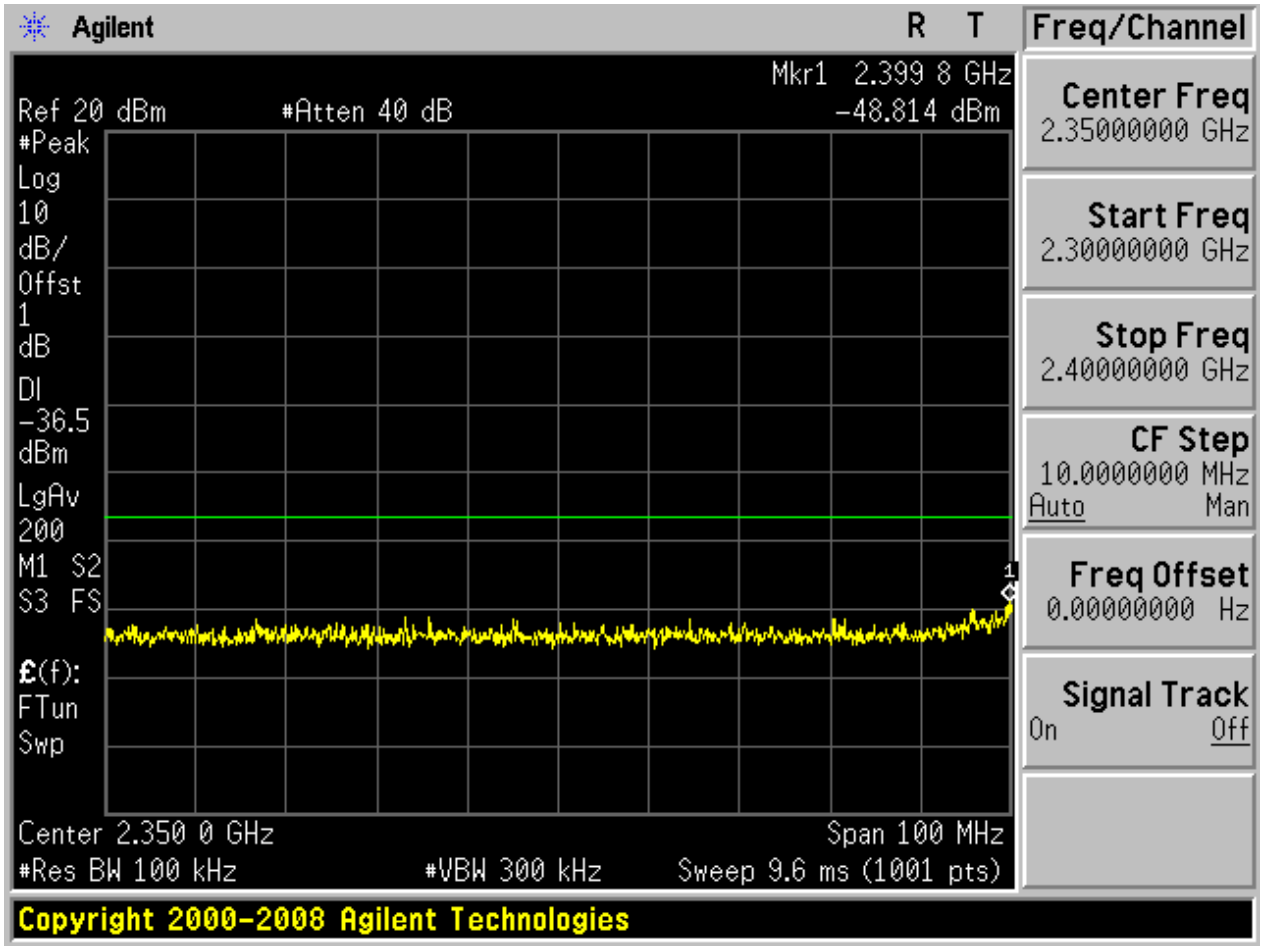

Agilent
R T
Freq/Channel
Mkr1 2.044 34 GHz
Ref 20 dBm
#Atten 40 dB
-50.836 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.5
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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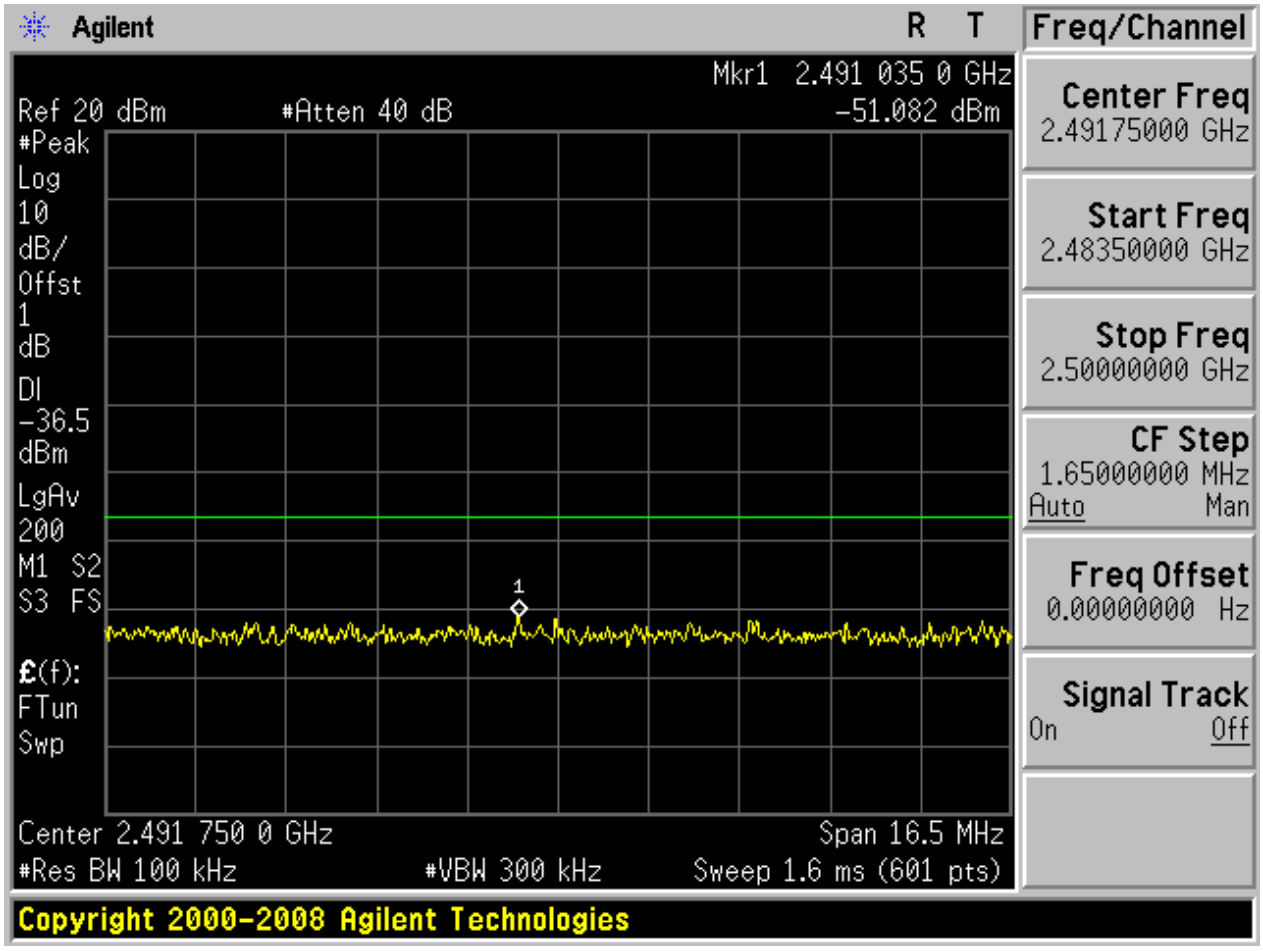

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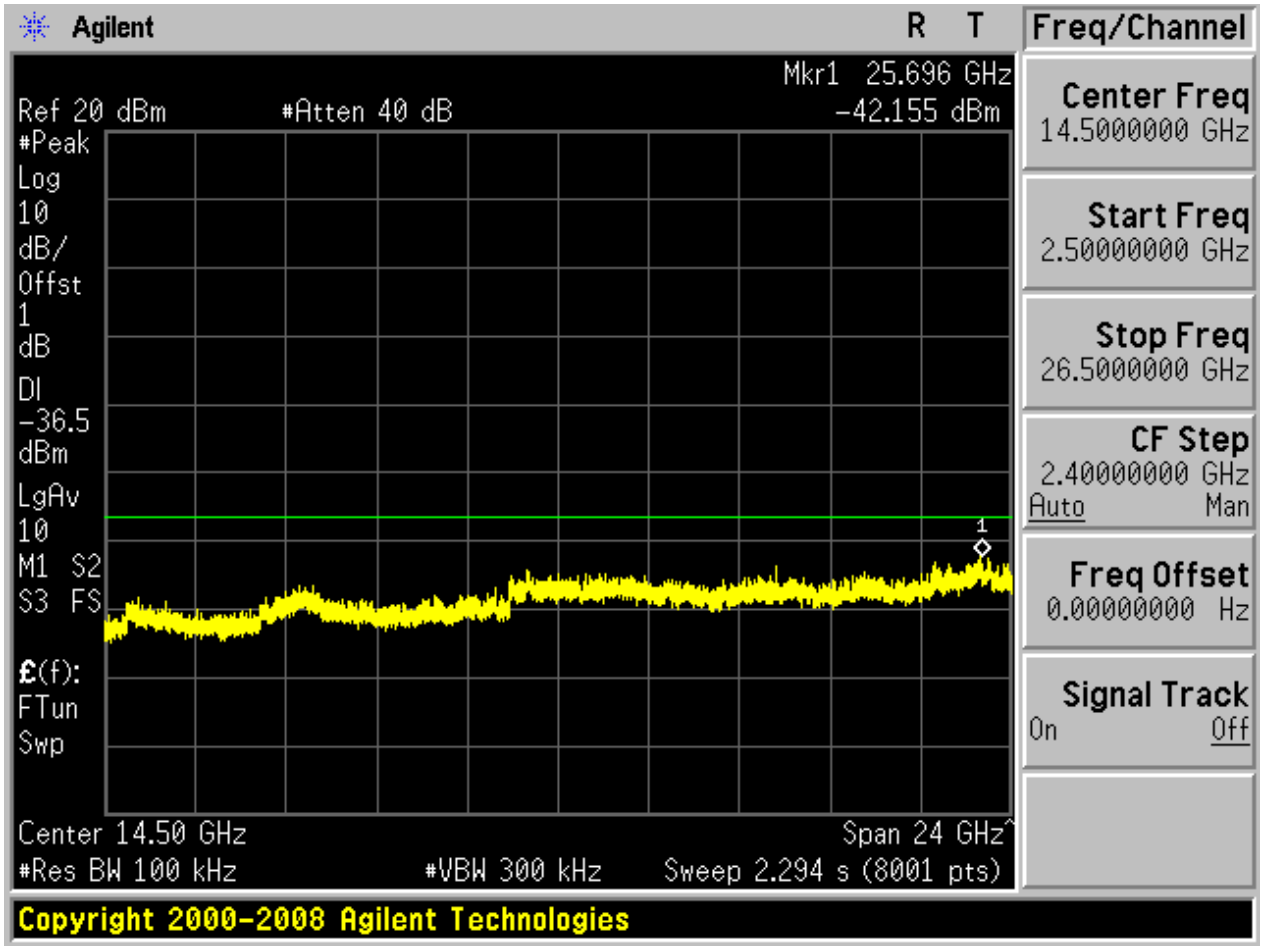

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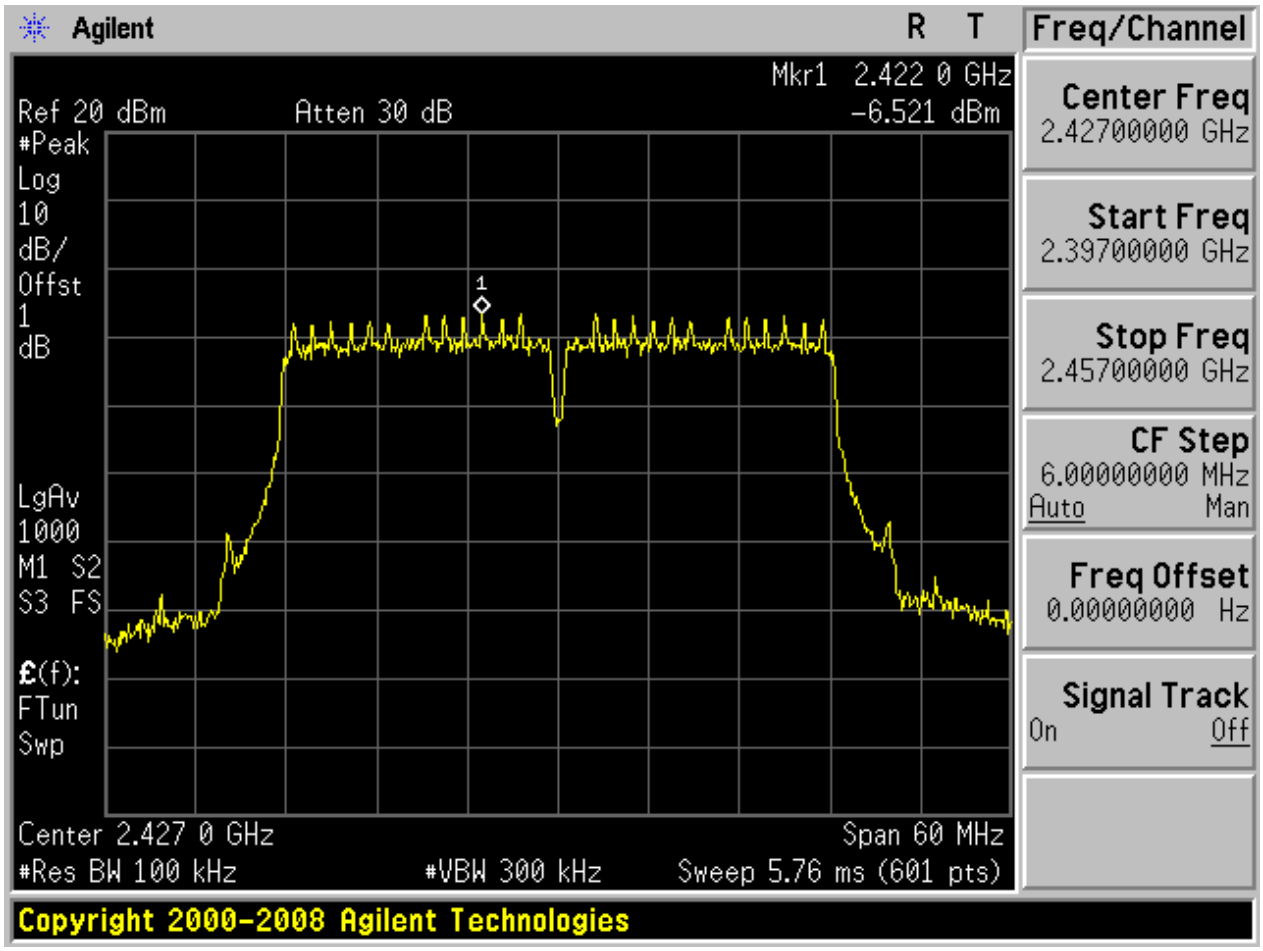
2.34 11N40m_M@Ant 2

Pref:



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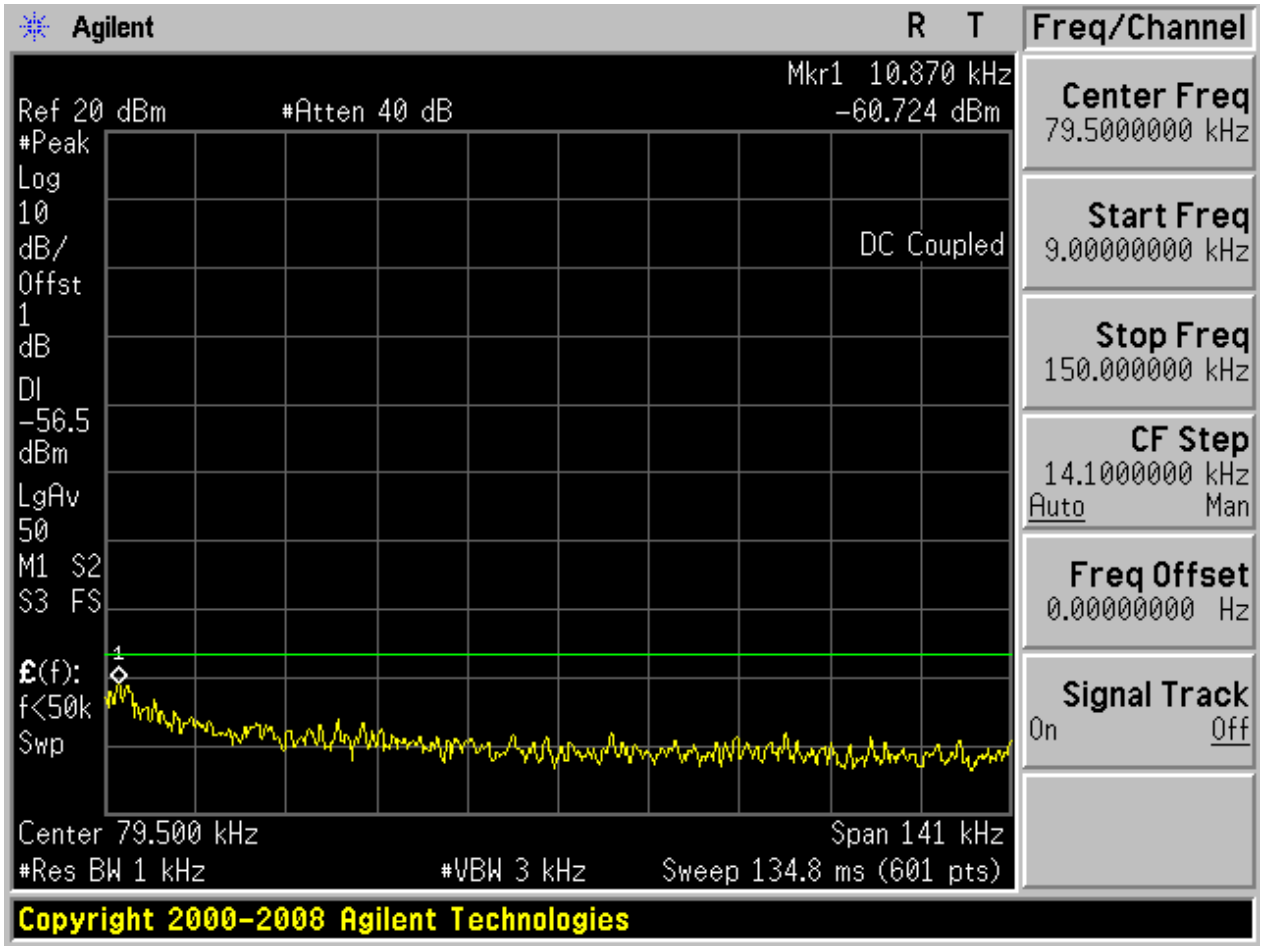

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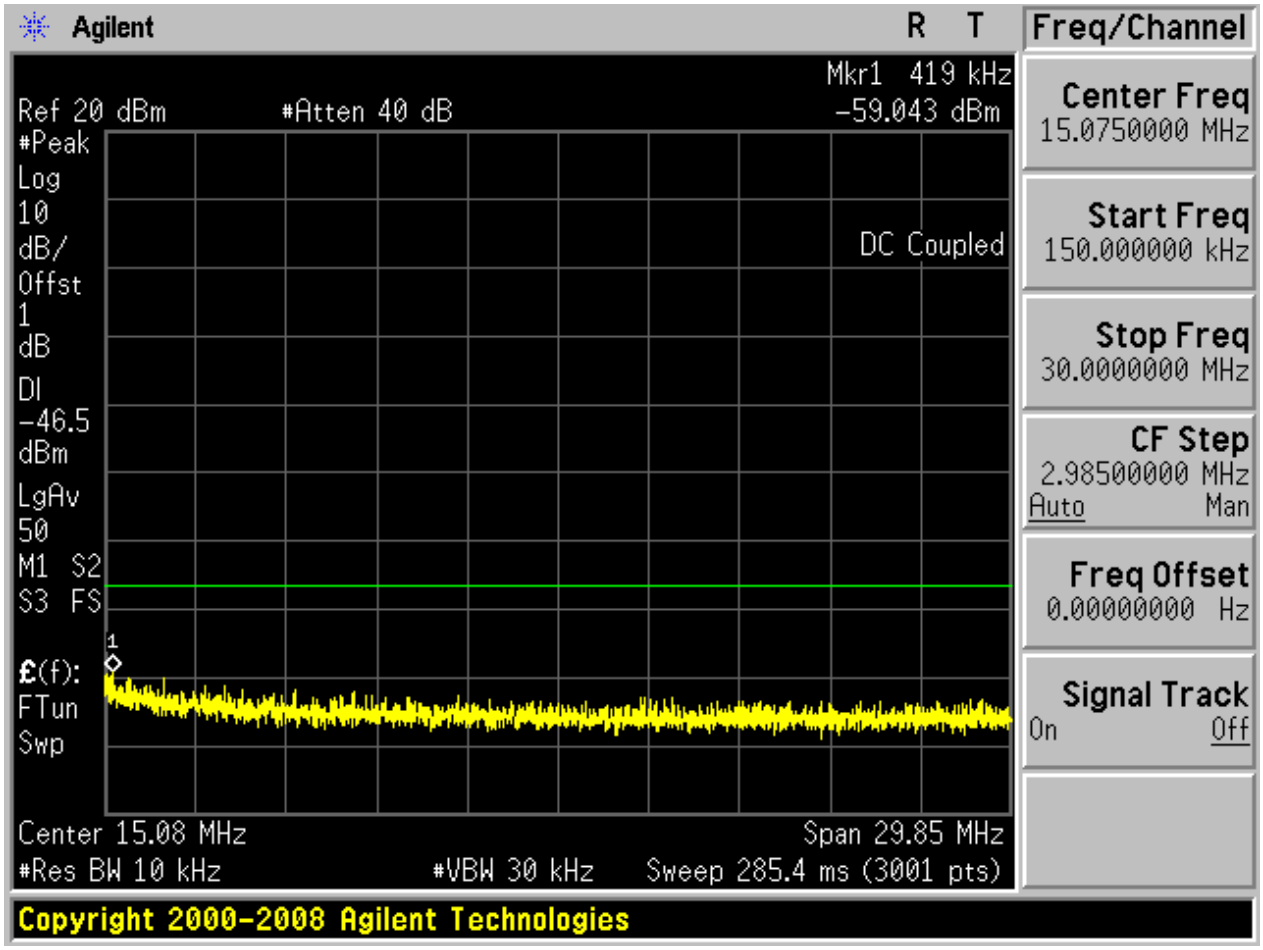
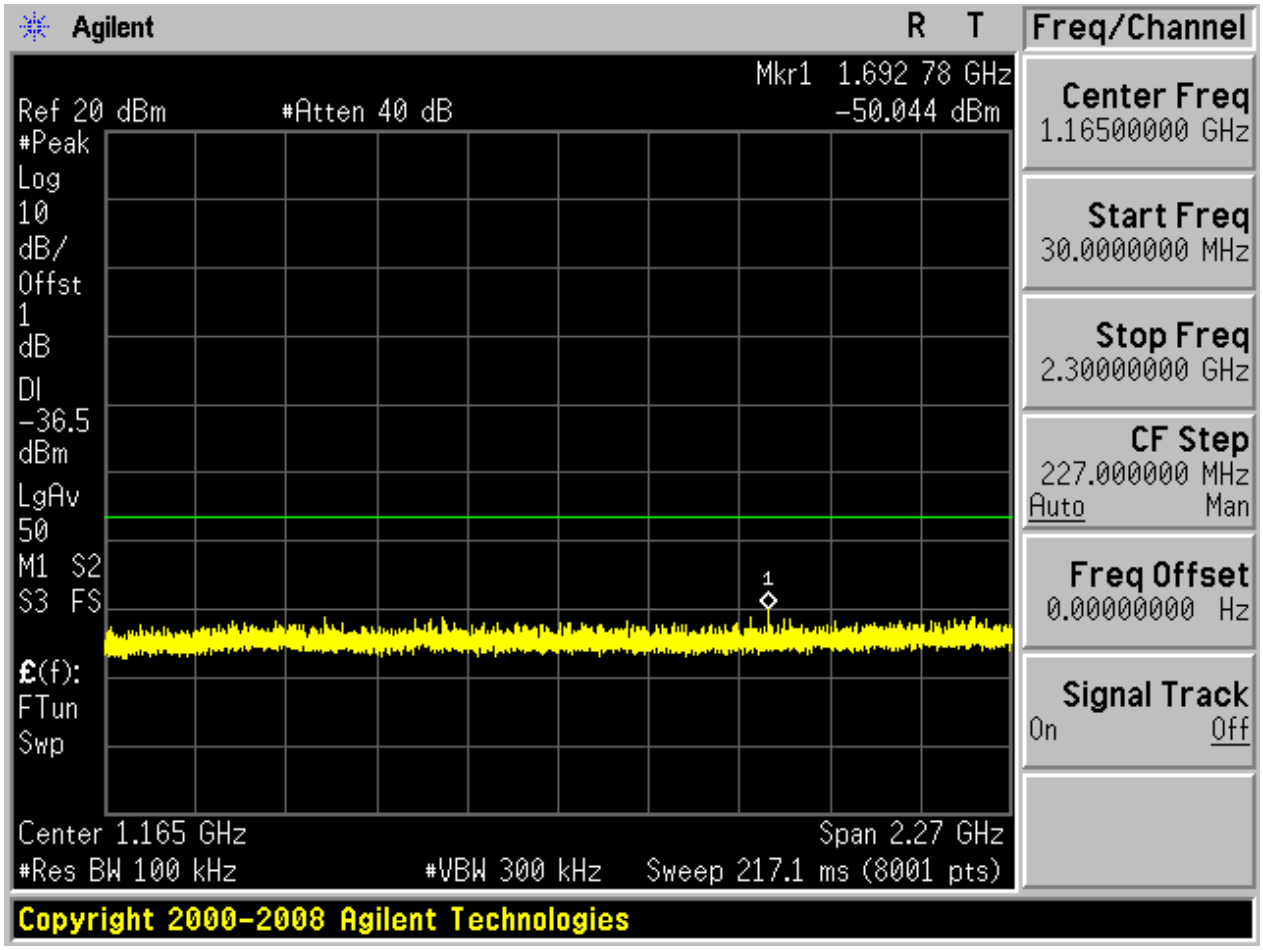
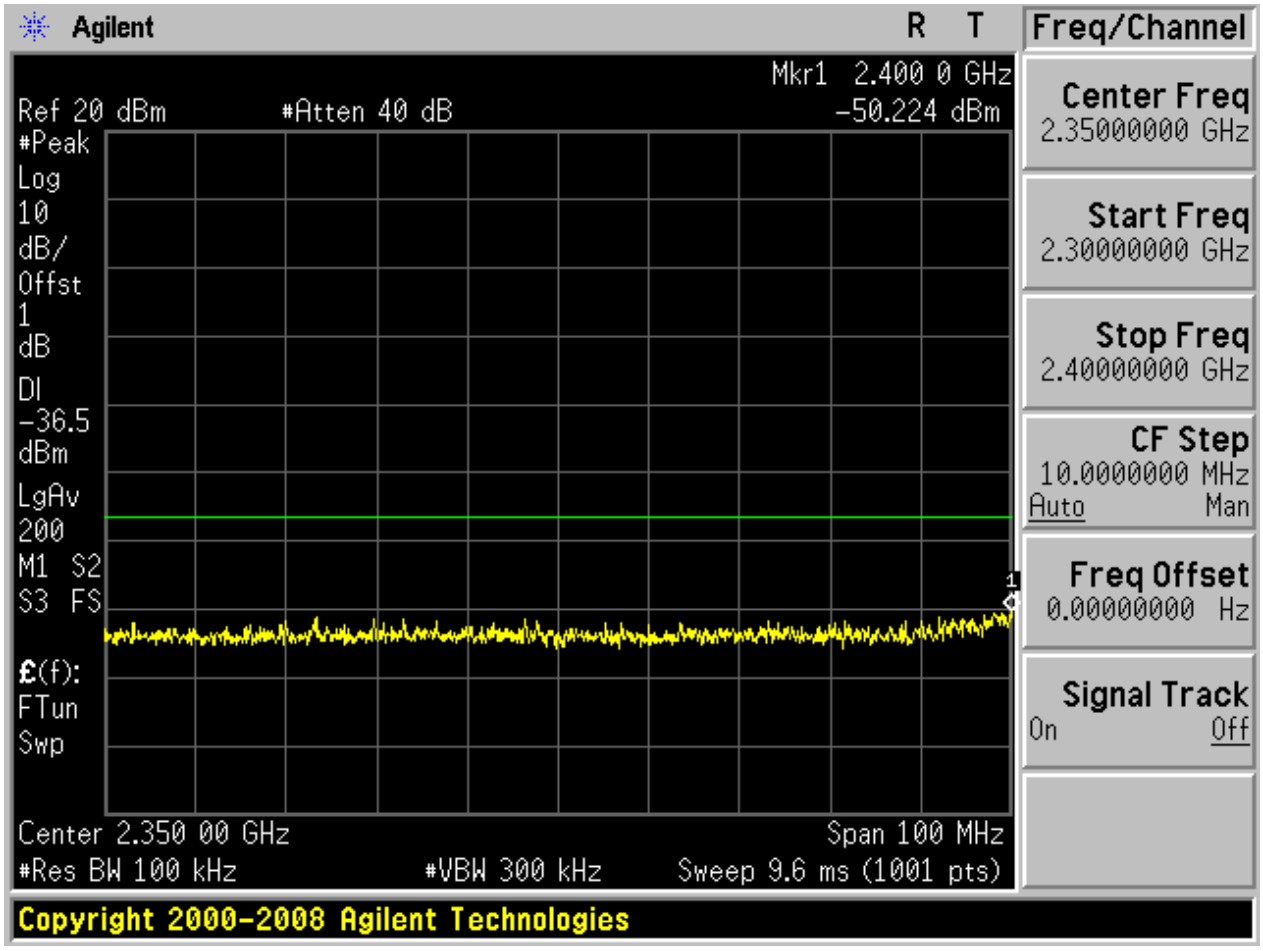

Agilent
R T
Freq/Channel
Mkr1 419 kHz
Ref 20 dBm
#Atten 40 dB
-59.043 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-46.5
dBm
LgAv
50
M1 S2
S3 FS
DC Coupled
£(f):
FTun
Swp
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.4 ms (3001 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 1.692 78 GHz
Ref 20 dBm
#Atten 40 dB
-50.044 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.5
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
1
Center 1.165 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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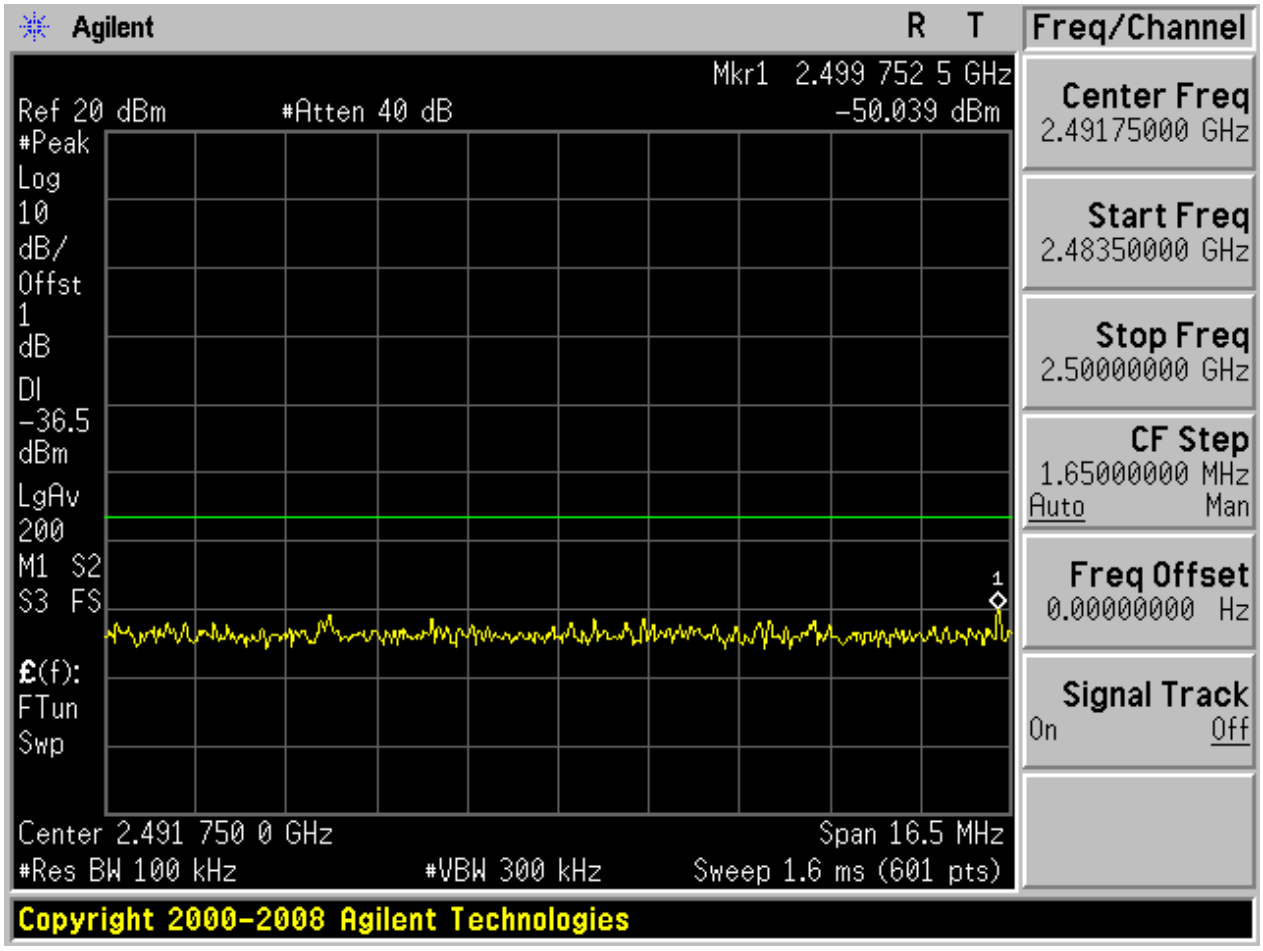
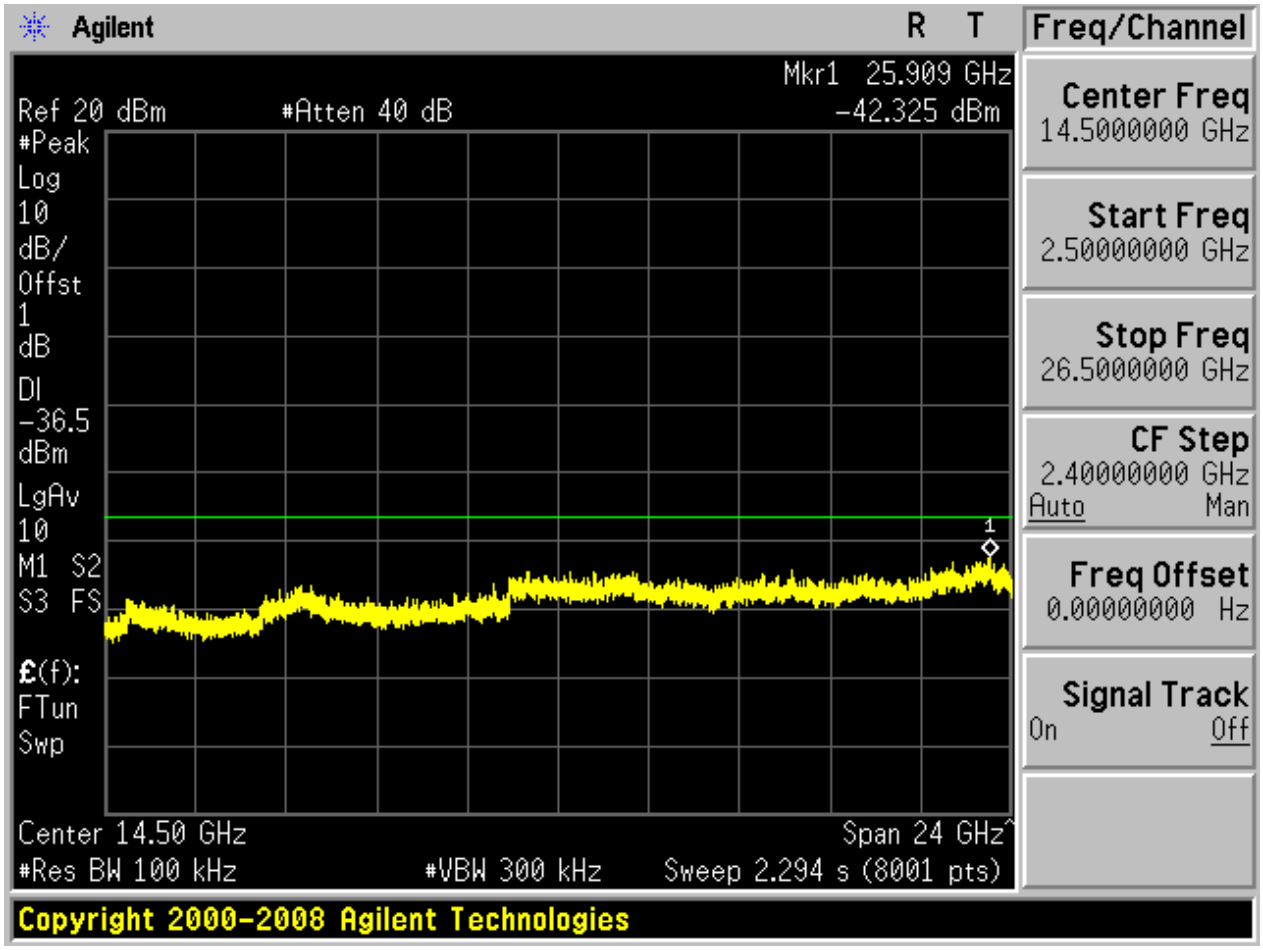

Agilent
R T
Freq/Channel
Mkr1 2.499 752 5 GHz
Ref 20 dBm
#Atten 40 dB
-50.039 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.5
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center 2.491 750 0 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.6 ms (601 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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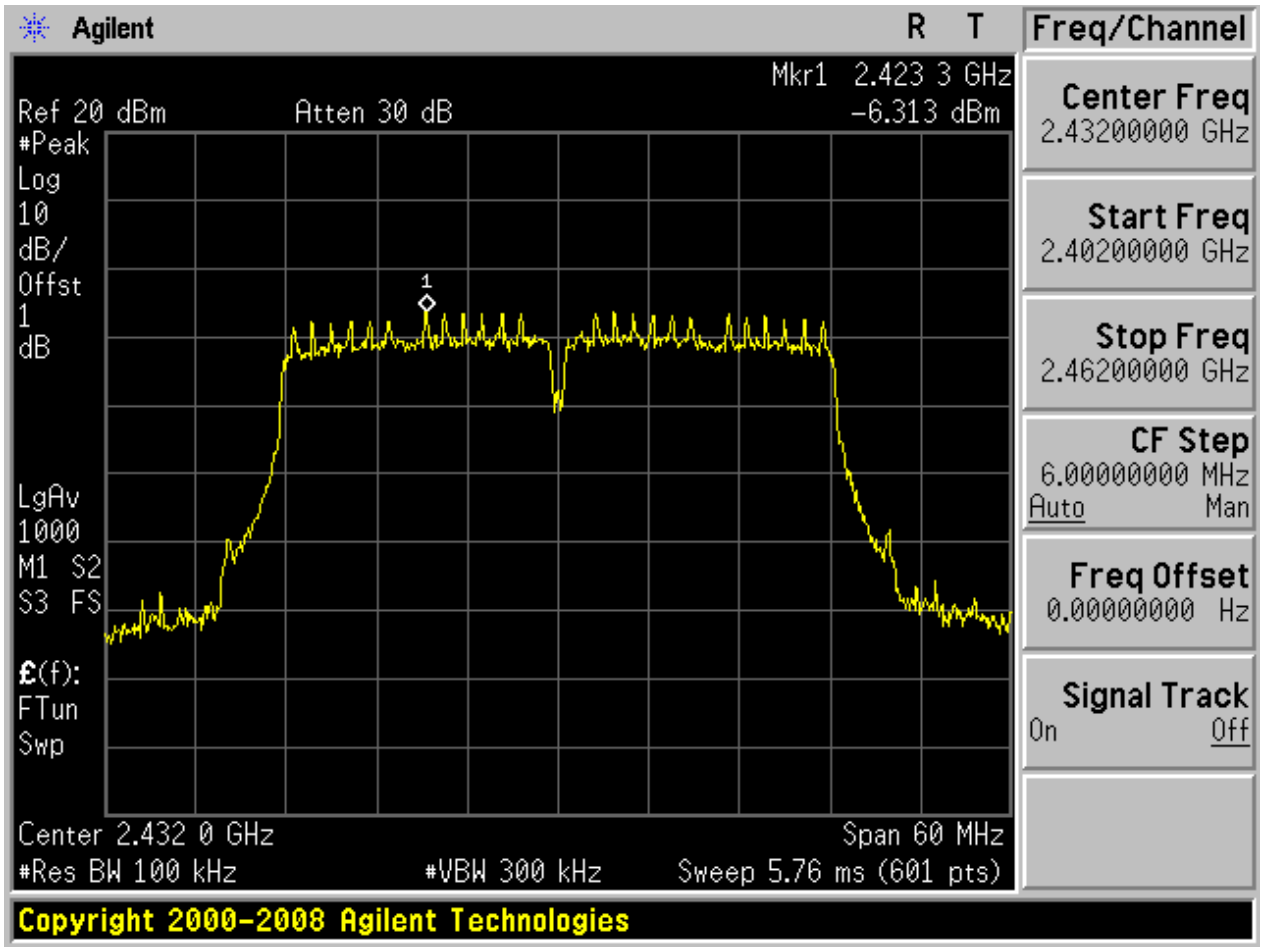
2.35 11N40m_H@Ant 1

Pref:



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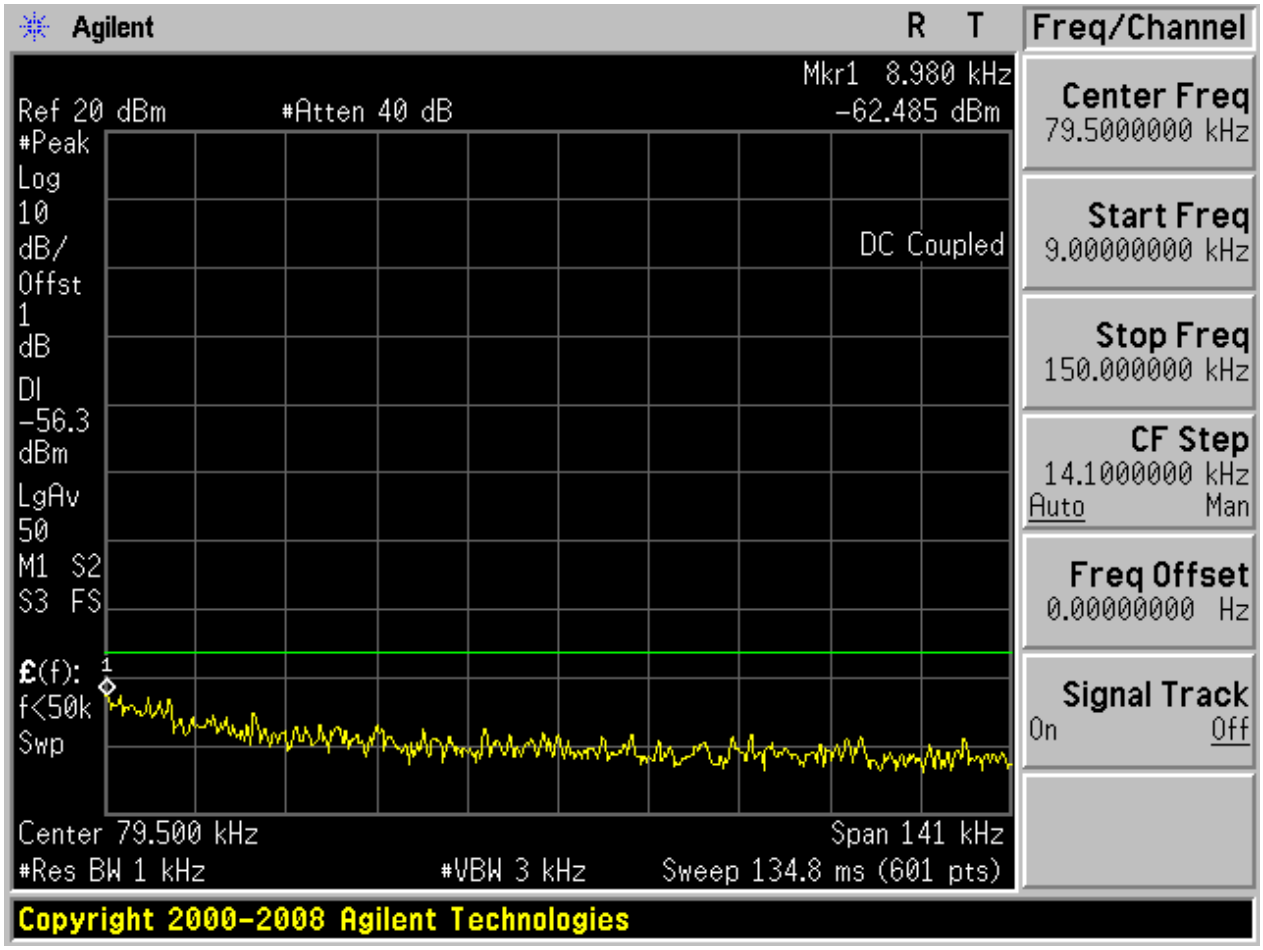

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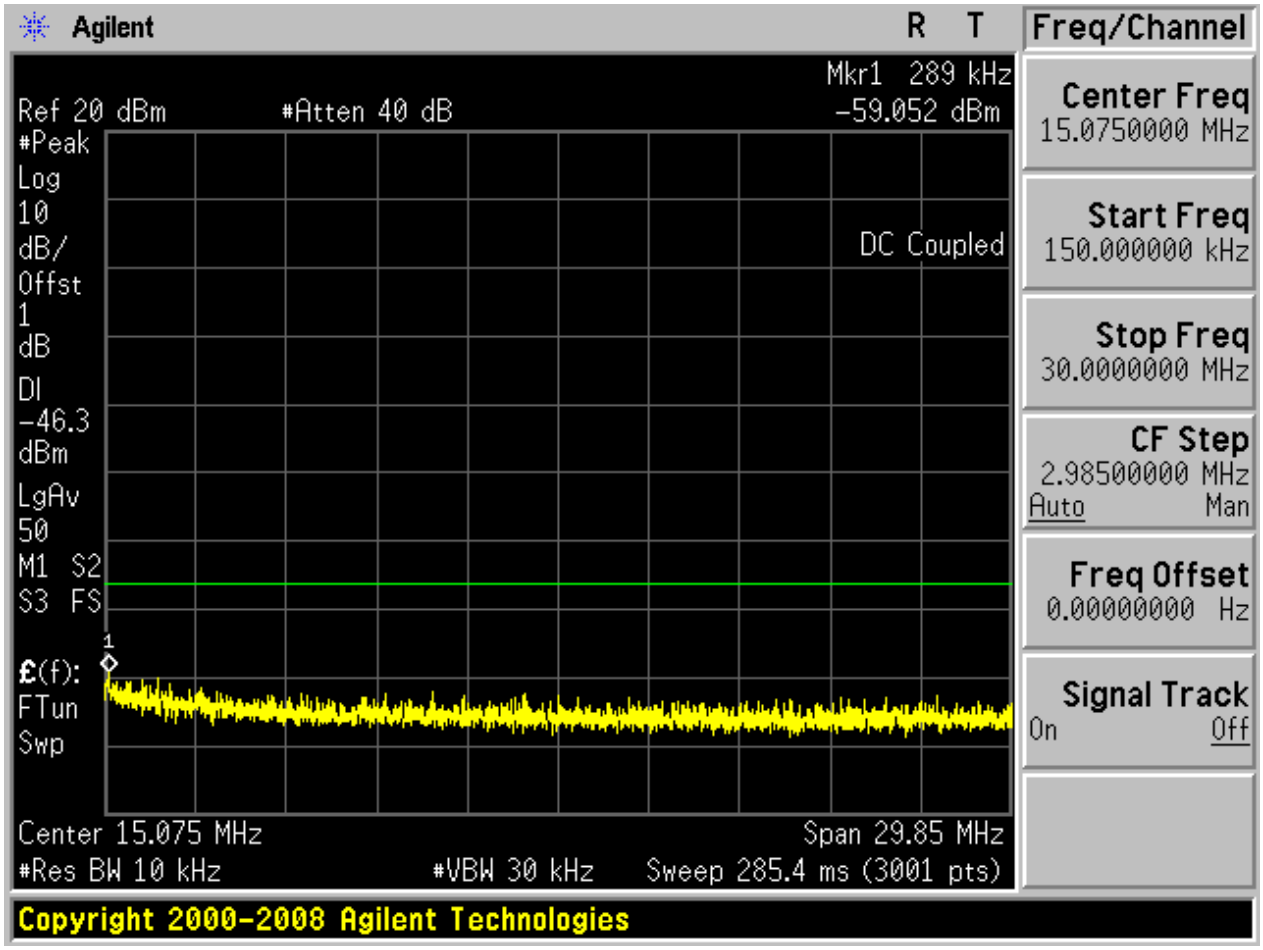

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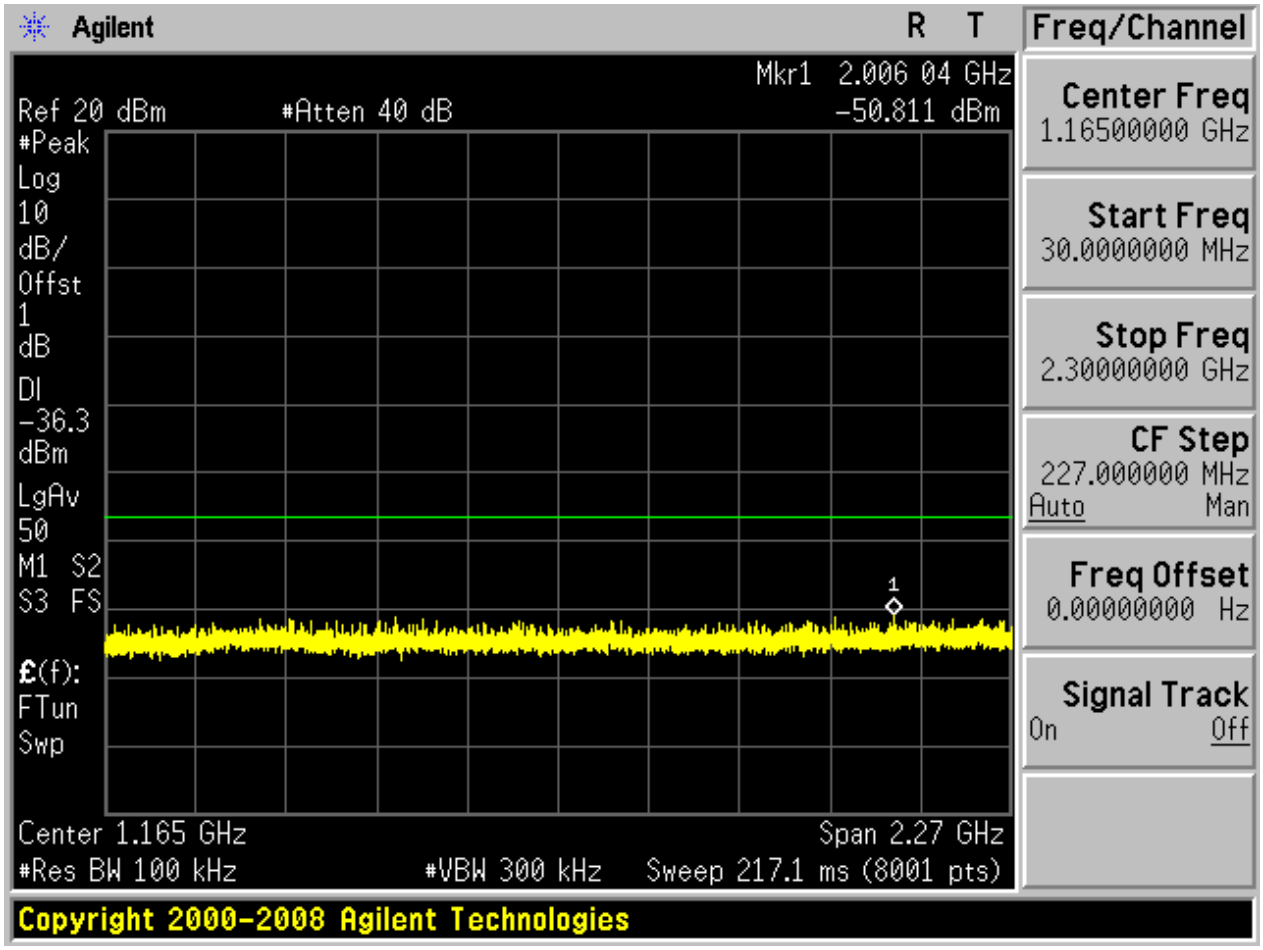

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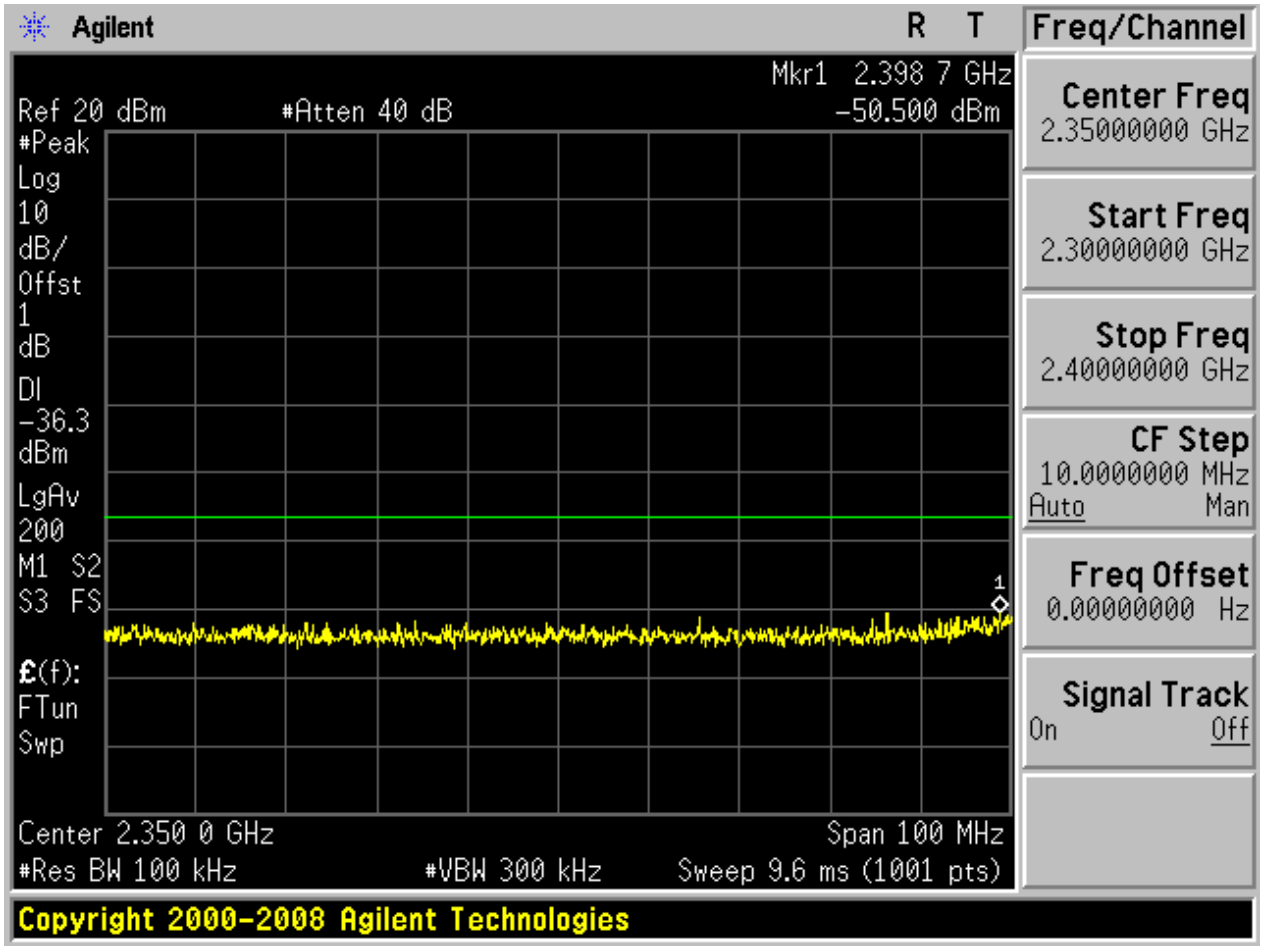

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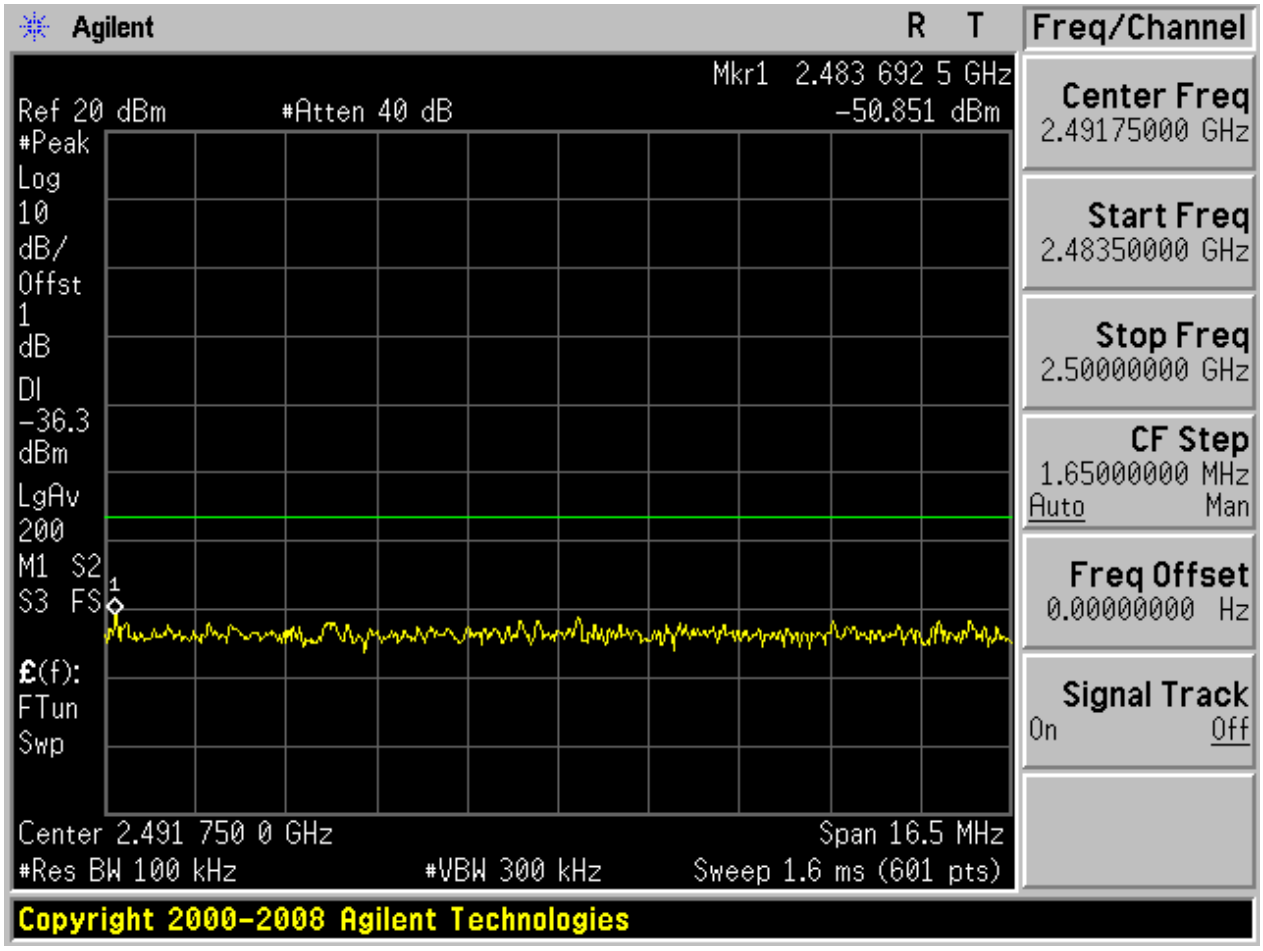

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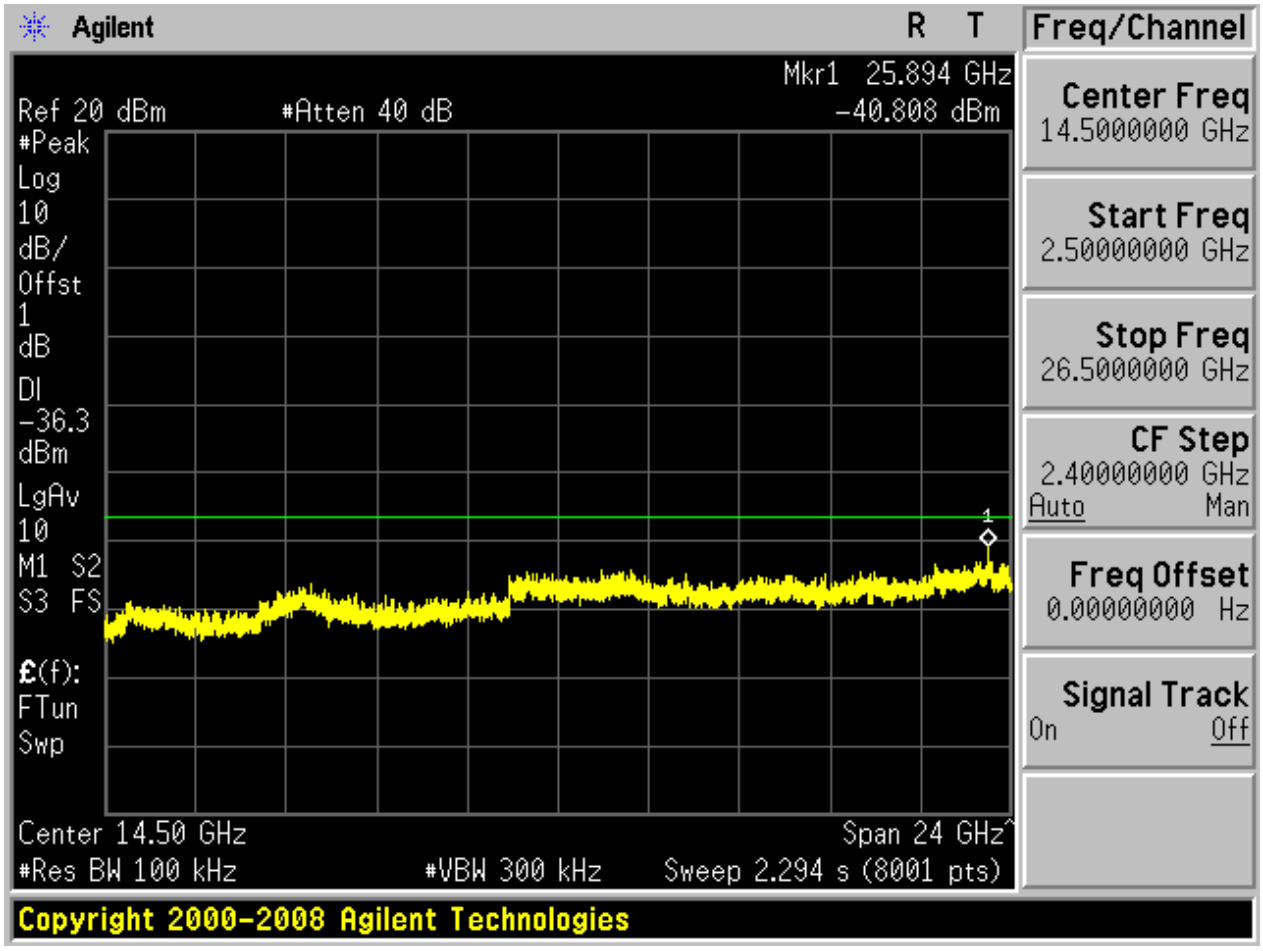

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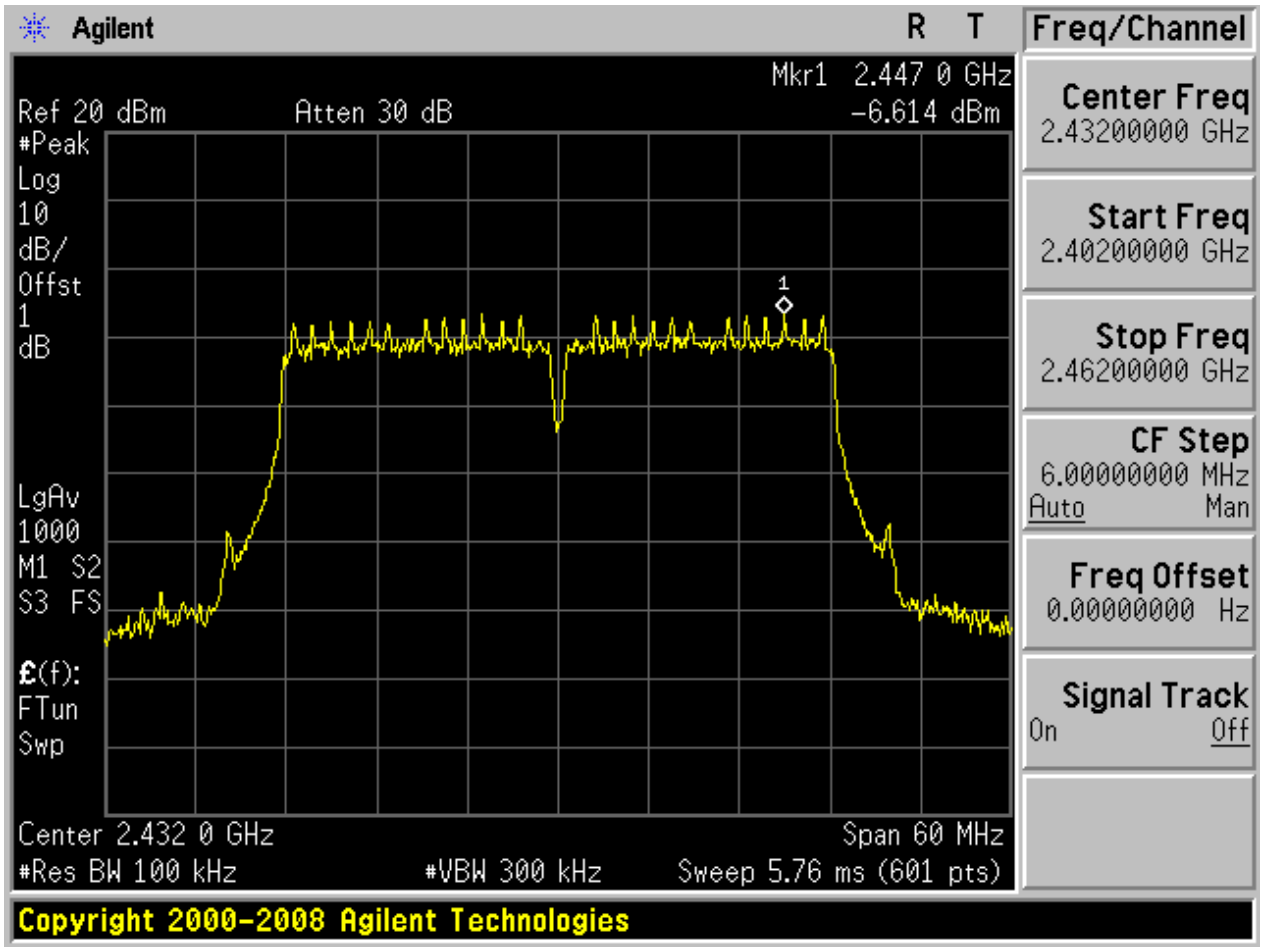
2.36 11N40m_H@Ant 2

Pref:



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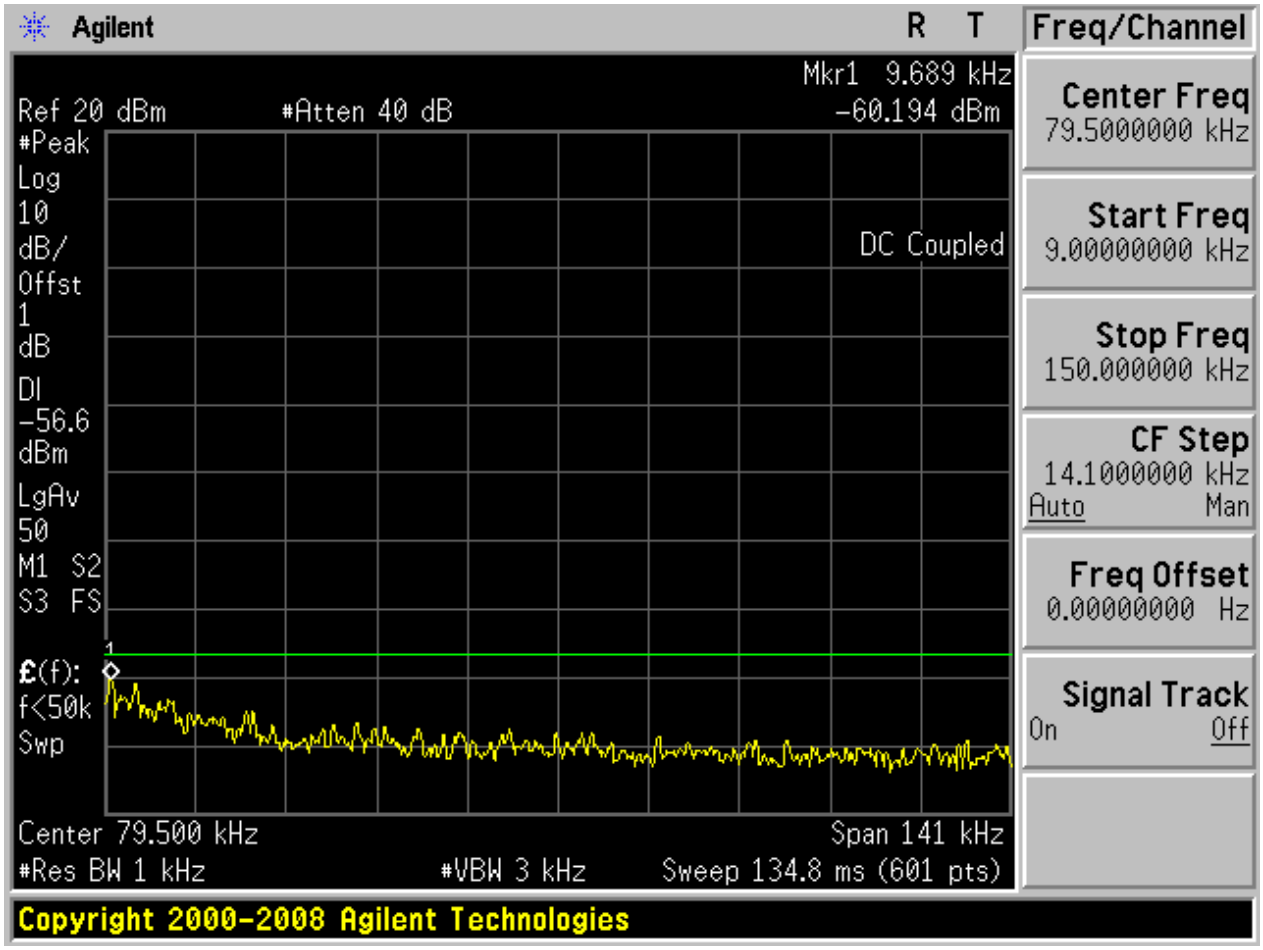

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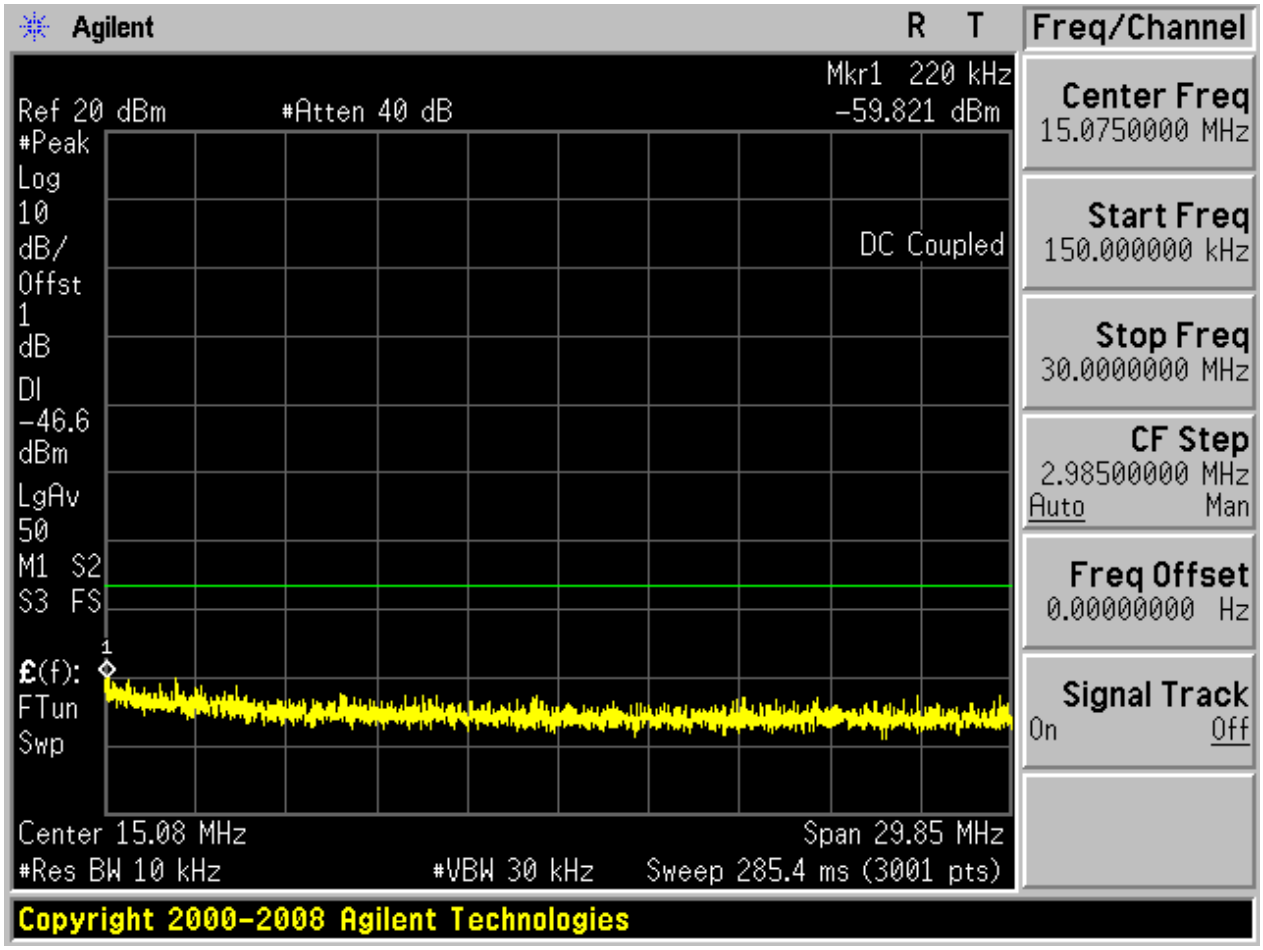

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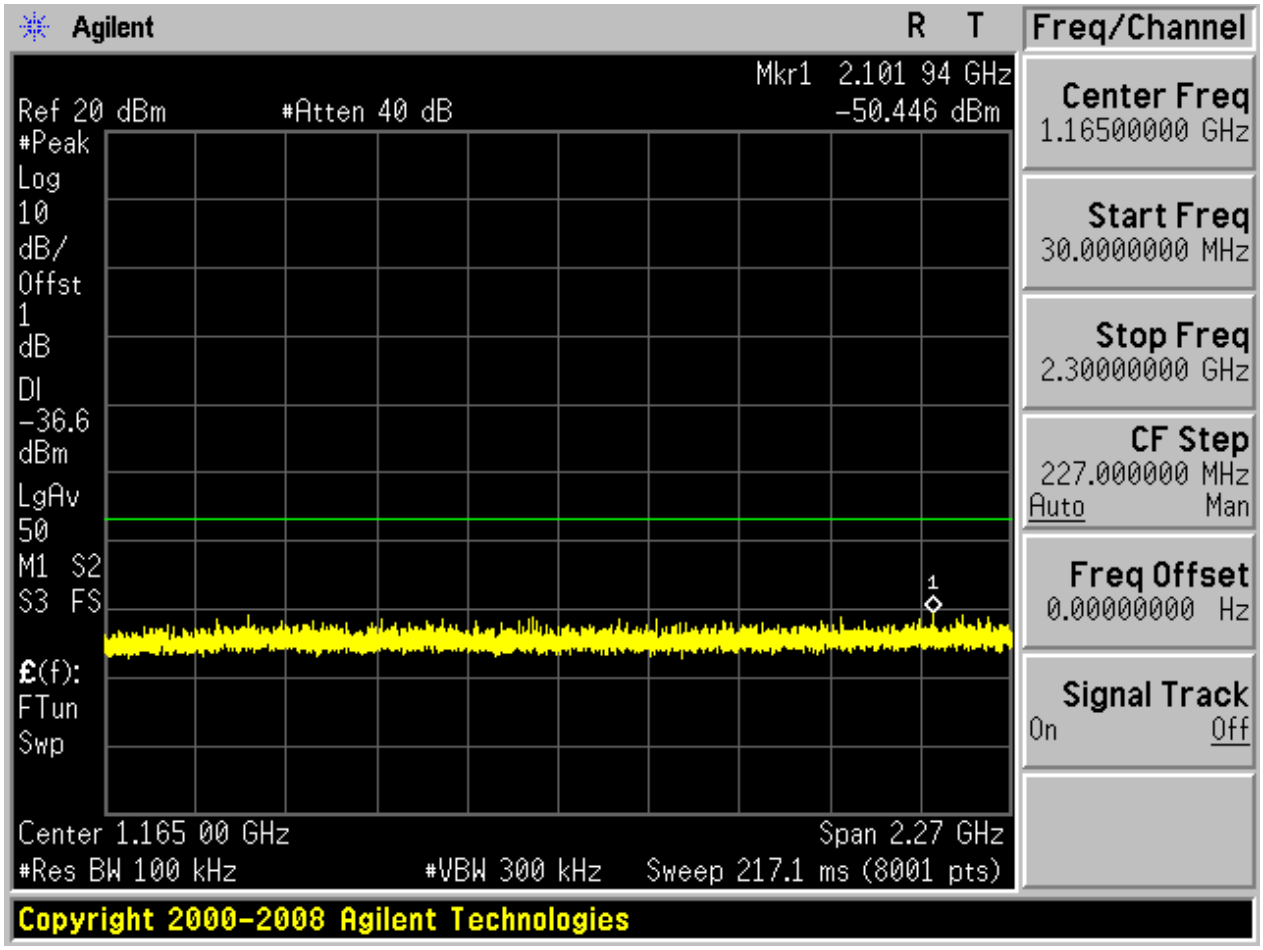
Agilent
R T
Freq/Channel
Mkr1 2.101 94 GHz
Ref 20 dBm
#Atten 40 dB
-50.446 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.6
dBm
LgAv
50
M1 S2
S3 FS
£(f):
FTun
Swp
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.1 ms (8001 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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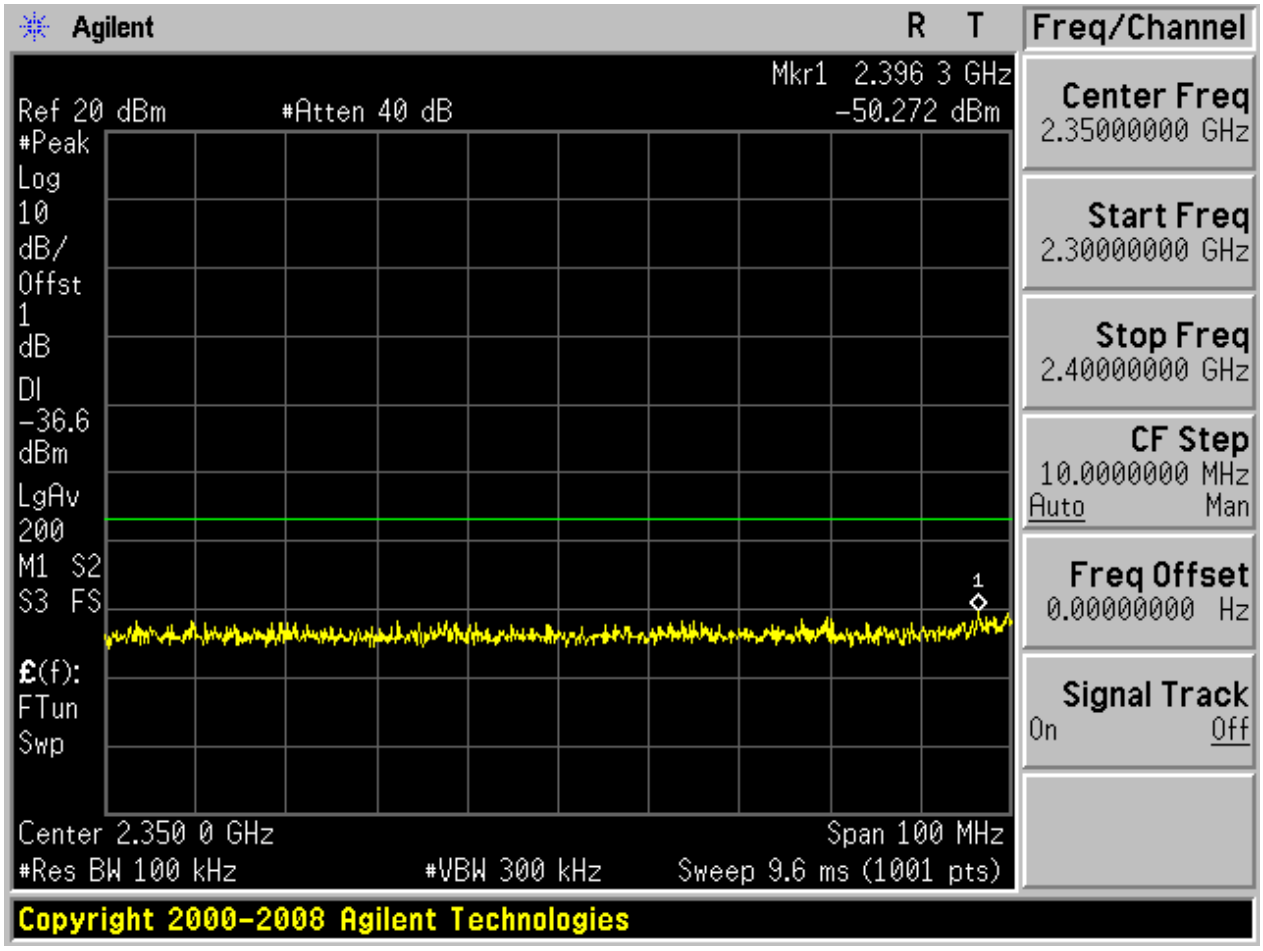
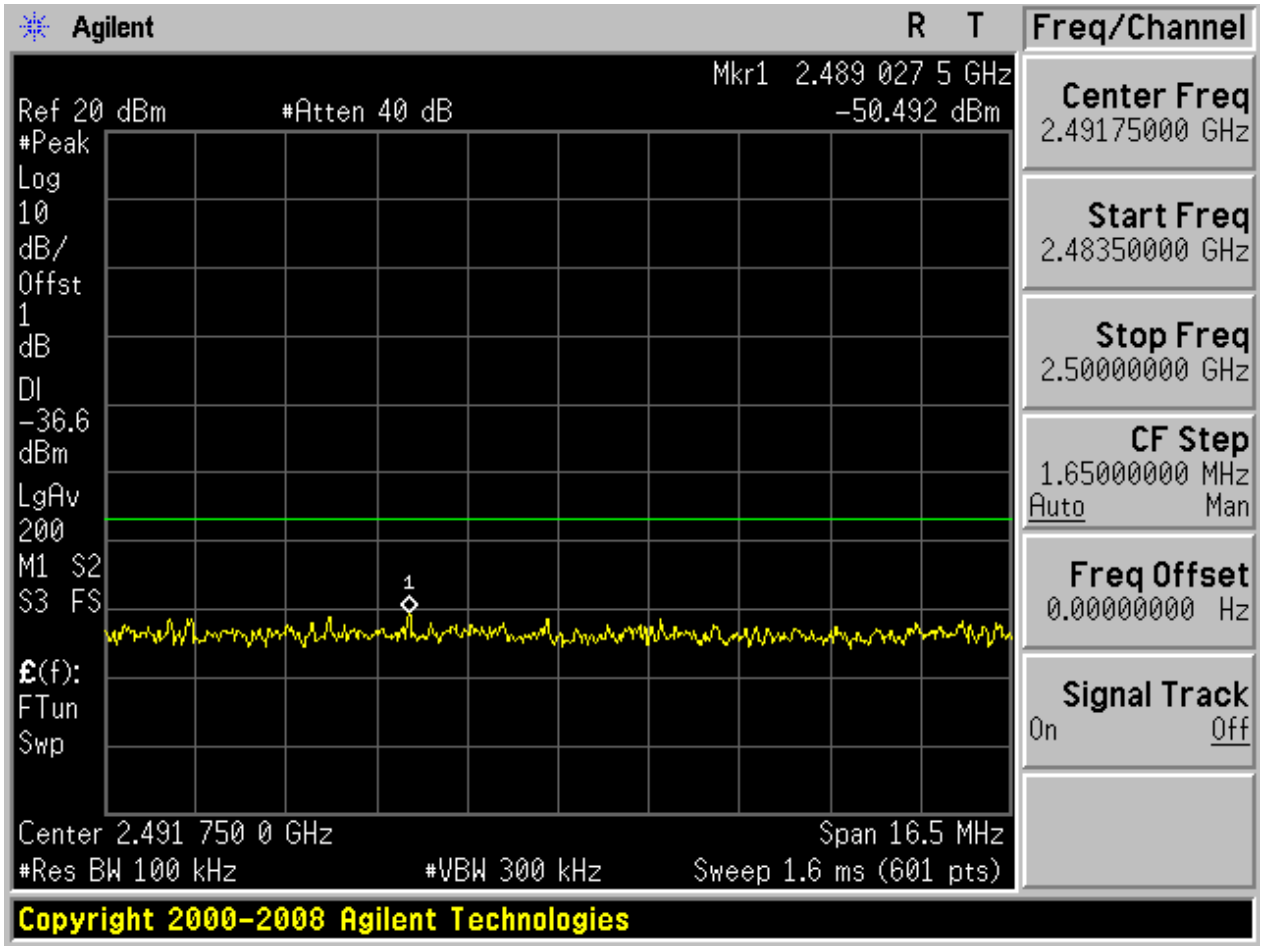

Agilent
R T
Freq/Channel
Mkr1 2.396 3 GHz
Ref 20 dBm
#Atten 40 dB
-50.272 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.6
dBm
LgAv
200
M1 S2
S3 FS
£(f):
FTun
Swp
Center 2.350 0 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.6 ms (1001 pts)
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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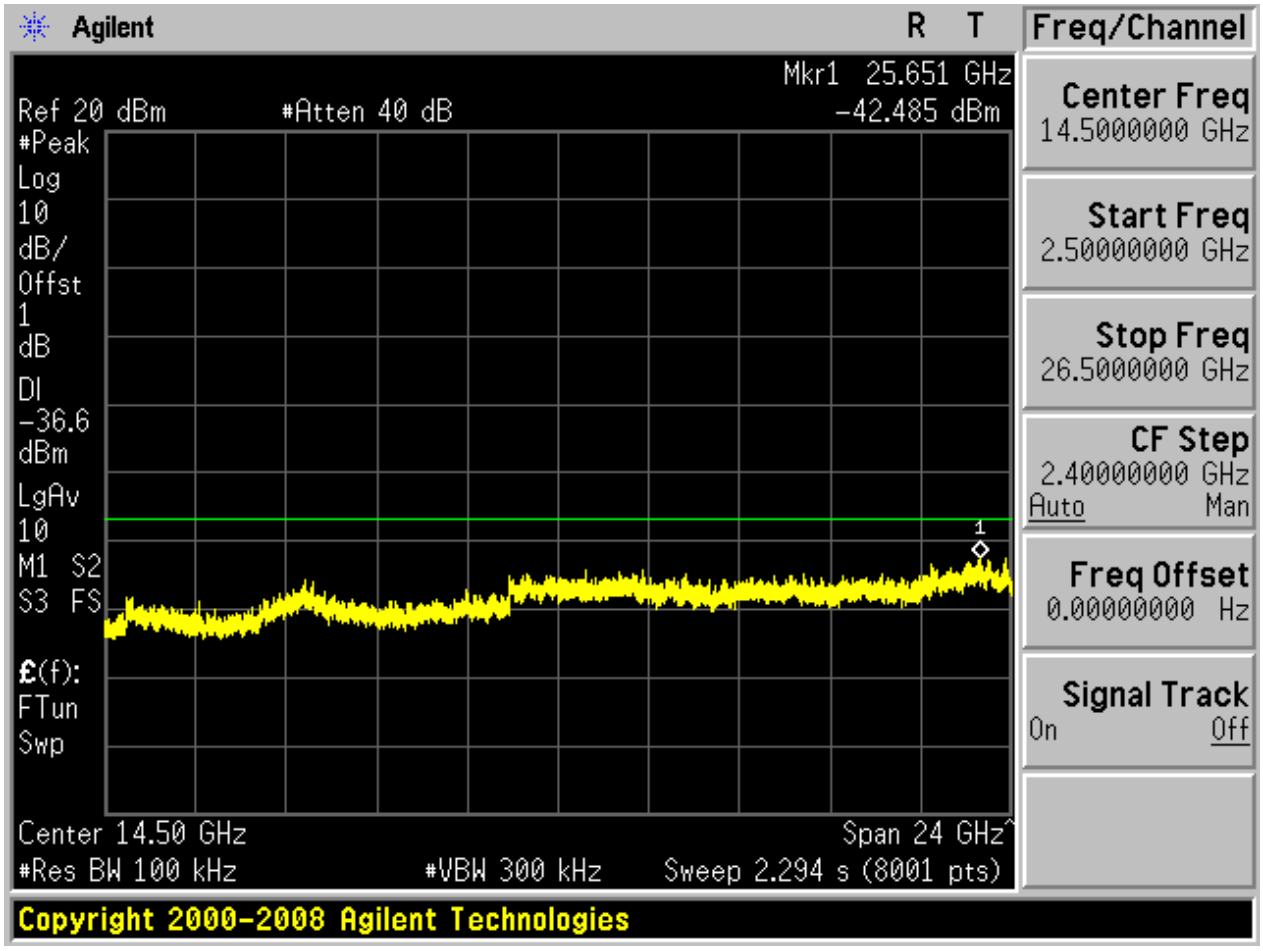
Agilent
R T
Freq/Channel
Mkr1 25.651 GHz
Ref 20 dBm
#Atten 40 dB
-42.485 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-36.6
dBm
LgAv
10
M1 S2
S3 FS
£(f):
FTun
Swp
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 14.50 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8001 pts)
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Appendix G: Radiated Spurious Emission & Spurious in Restricted Band

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

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

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

The simultaneous transmission has been considered

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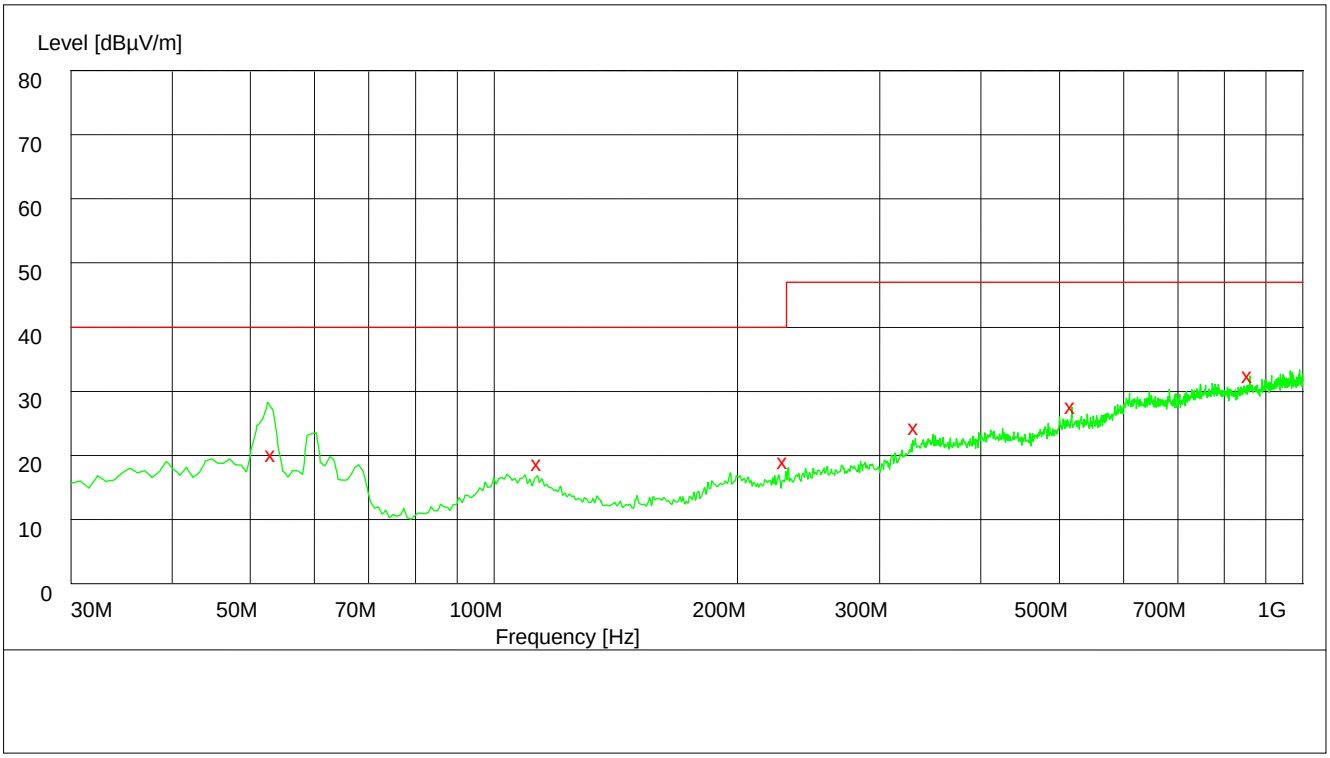
Part 1: Testing Range of "9 kHz to 30MHz"

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

Part 2: Testing Range of "30 MHz to 1 GHz"

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).



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV/m	Transducer dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
53.344000	21.60	15.0	40.0	18.4	171.0	169.00	VERTICAL
113.684000	20.30	13.9	40.0	19.7	163.0	318.00	HORIZONTAL
229.192000	20.60	13.9	40.0	19.4	144.0	49.00	VERTICAL
332.516000	25.80	18.8	47.0	21.2	102.0	350.00	VERTICAL
519.060000	29.10	21.8	47.0	17.9	100.0	352.00	HORIZONTAL
860.972000	34.00	26.3	47.0	13.0	173.0	287.00	VERTICAL

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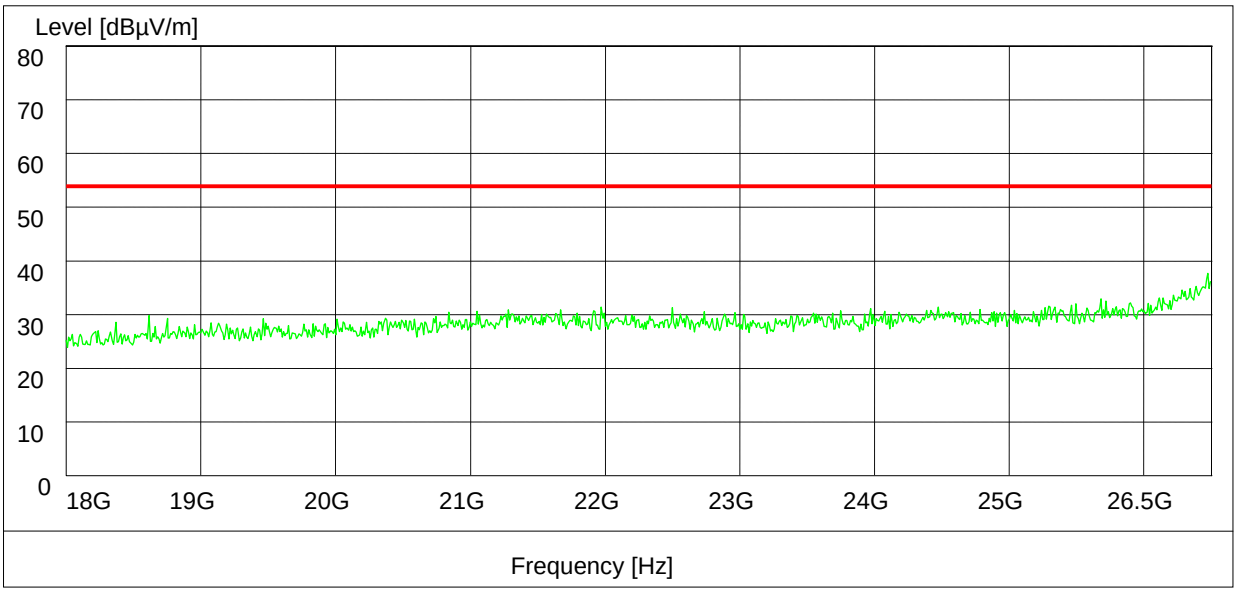
Part 3: Testing Range of "18 GHz to 26.5 GHz"



Note: No peak found in pre- test.

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Part 4: Testing Range of "2.3GHz to 2.51GHz"

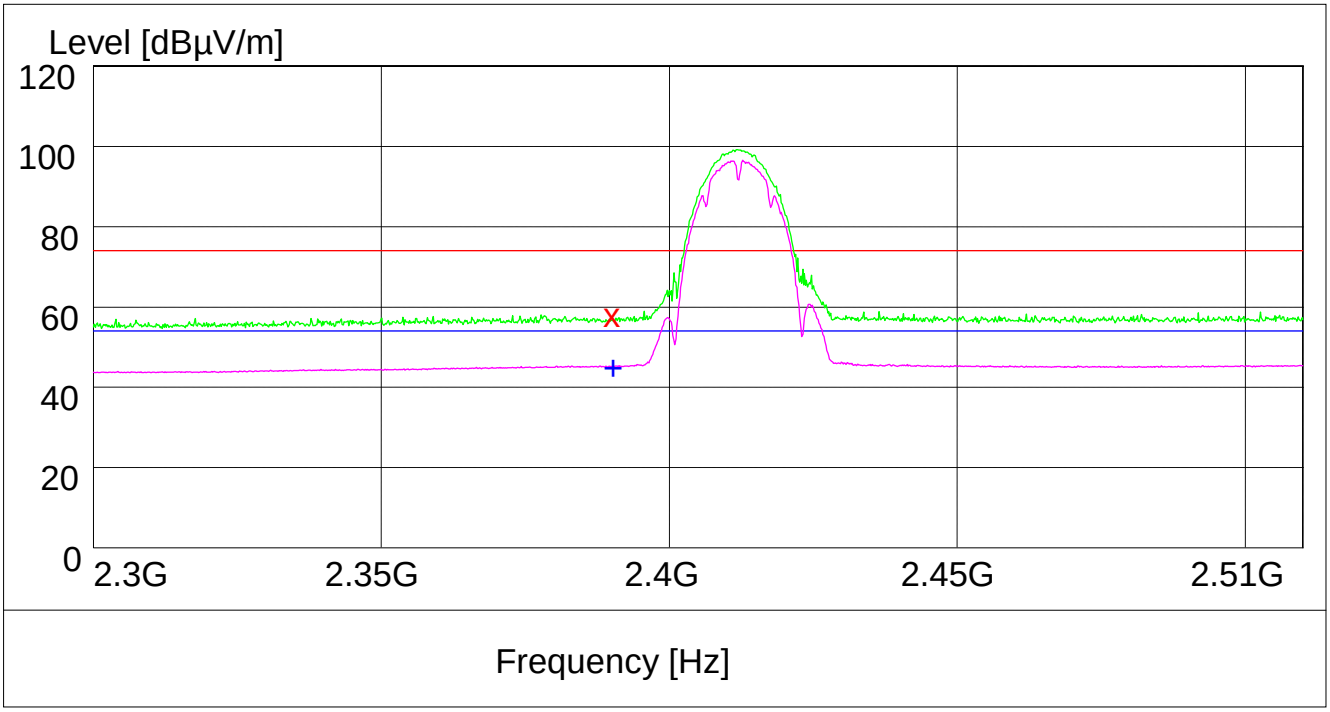
Note 1: The testing range of "2.3 GHz to 2.51 GHz" is for checking radiated emissions located in restricted bands near the EUT operating bands.

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

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

Test Mode: 11B_Ant 1

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	60.80	34.8	74.0	13.2	100.0	66.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.60	34.8	54.0	6.4	100.0	147.00	HORIZONTAL

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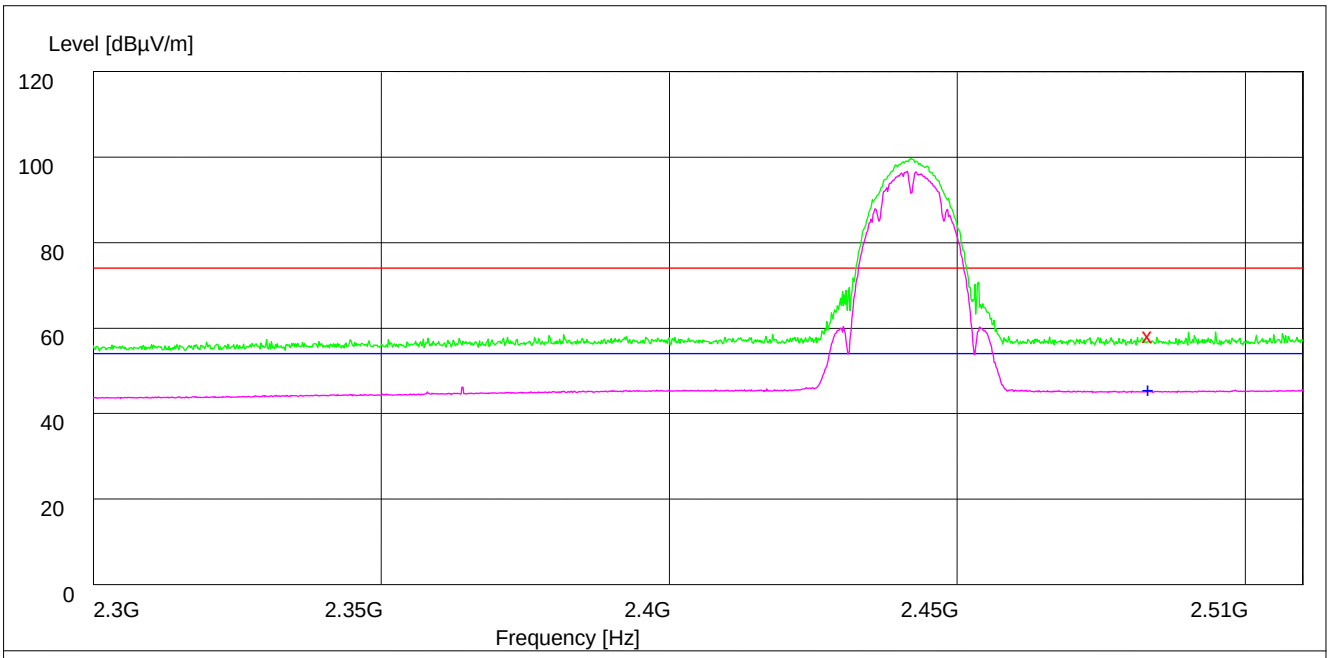
Channel 07



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
2483.500000	60.50	35.1	74.0	13.5	100.0	148.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2483.500000	47.60	35.1	54.0	6.4	137.0	65.00	HORIZONTAL

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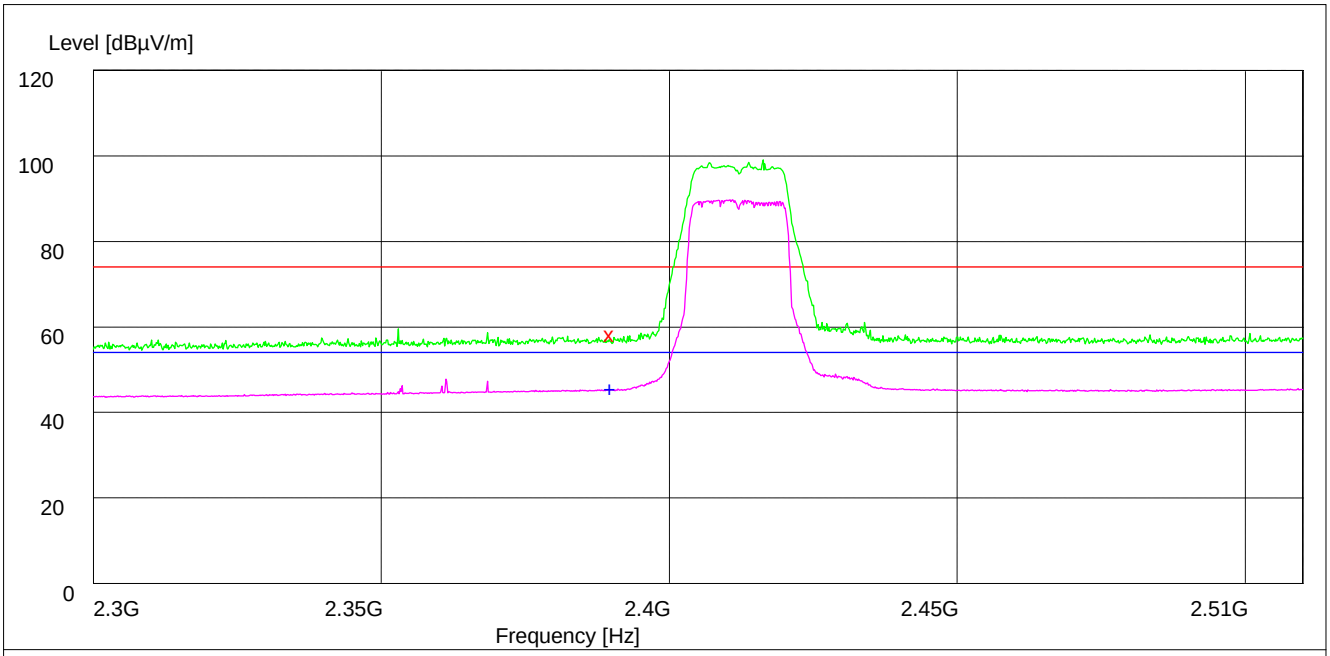
Test Mode: 11G_Ant 1

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	60.50	34.8	74.0	13.5	104.0	340.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.60	34.8	54.0	6.4	130.0	41.00	VERTICAL

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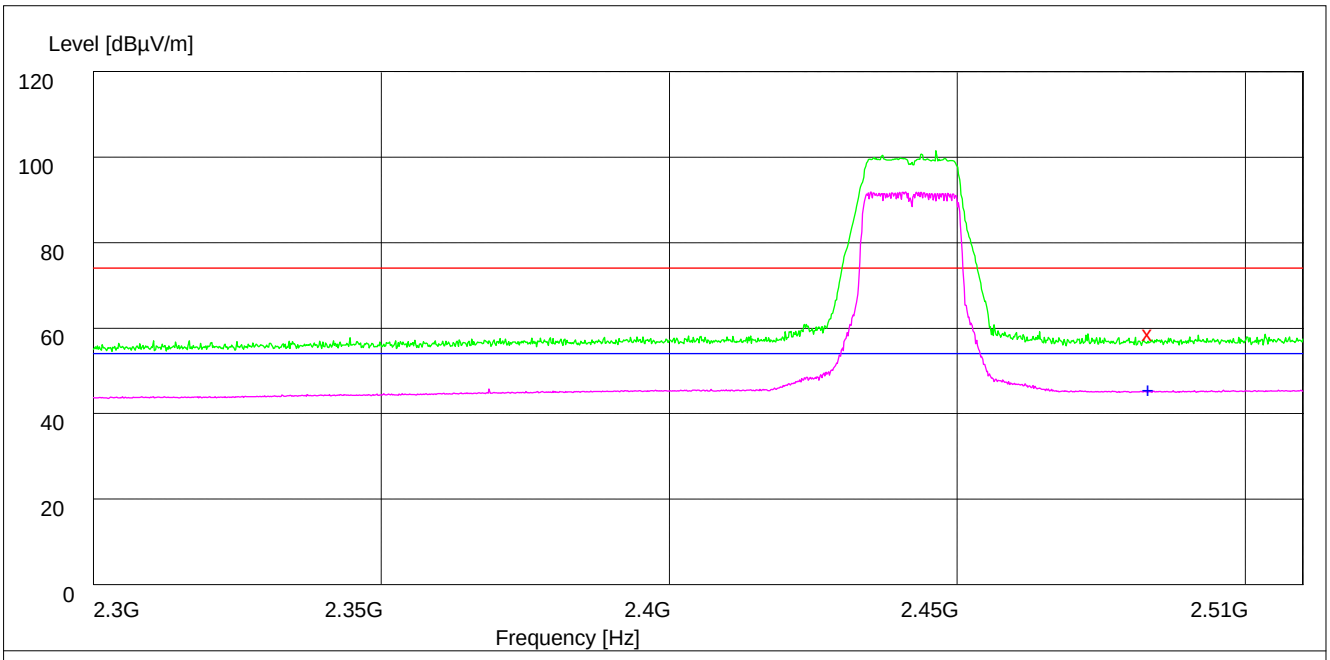
Channel 07



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
2483.500000	60.90	35.1	74.0	13.1	129.0	38.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2483.500000	47.60	35.1	54.0	6.4	100.0	183.00	VERTICAL

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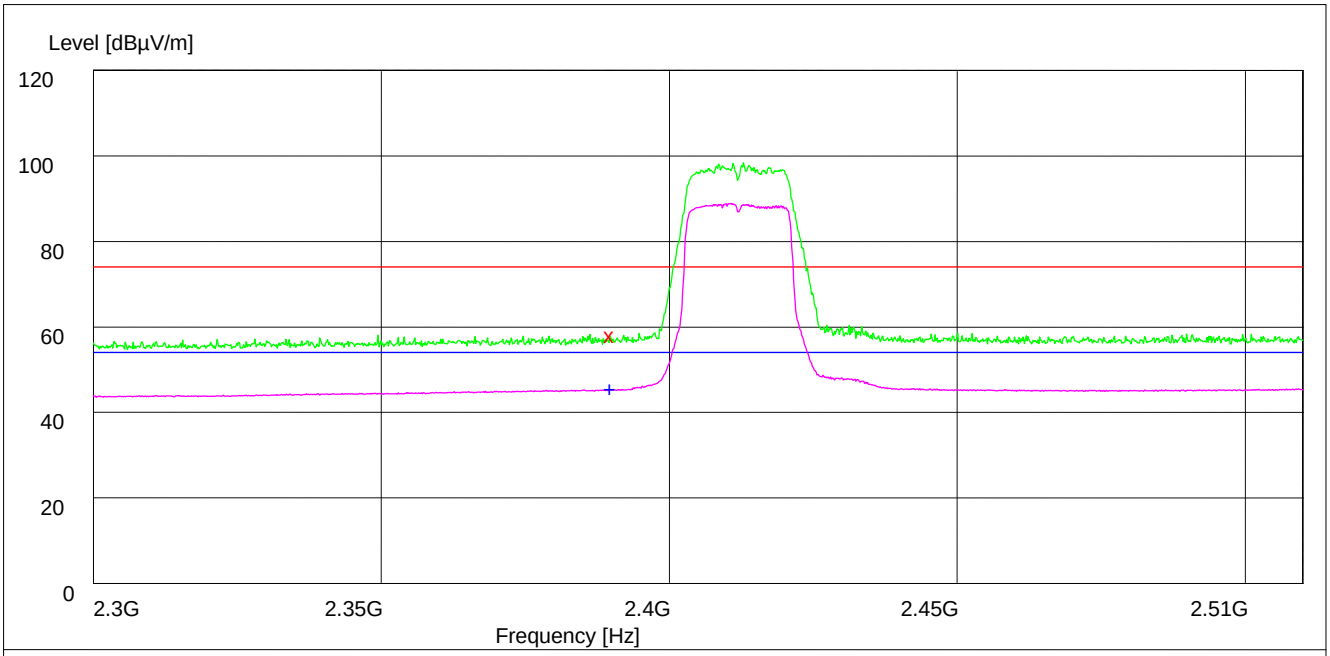
Test Mode: 11N20_Ant 1

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	60.40	34.8	74.0	13.6	179.0	59.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.60	34.8	54.0	6.4	107.0	147.00	HORIZONTAL

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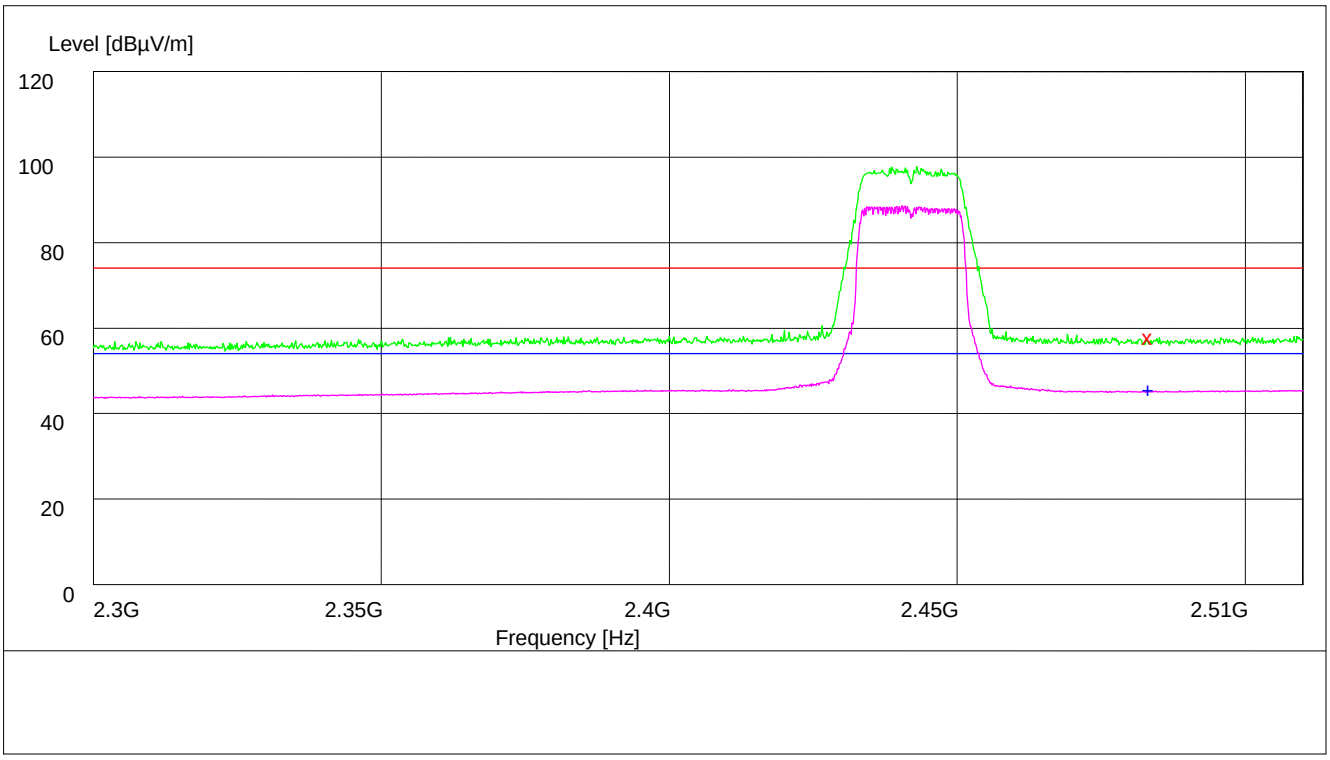
Channel 07



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
2483.500000	60.00	35.1	74.0	14.0	100.0	145.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2483.500000	47.60	35.1	54.0	6.4	178.0	356.00	VERTICAL

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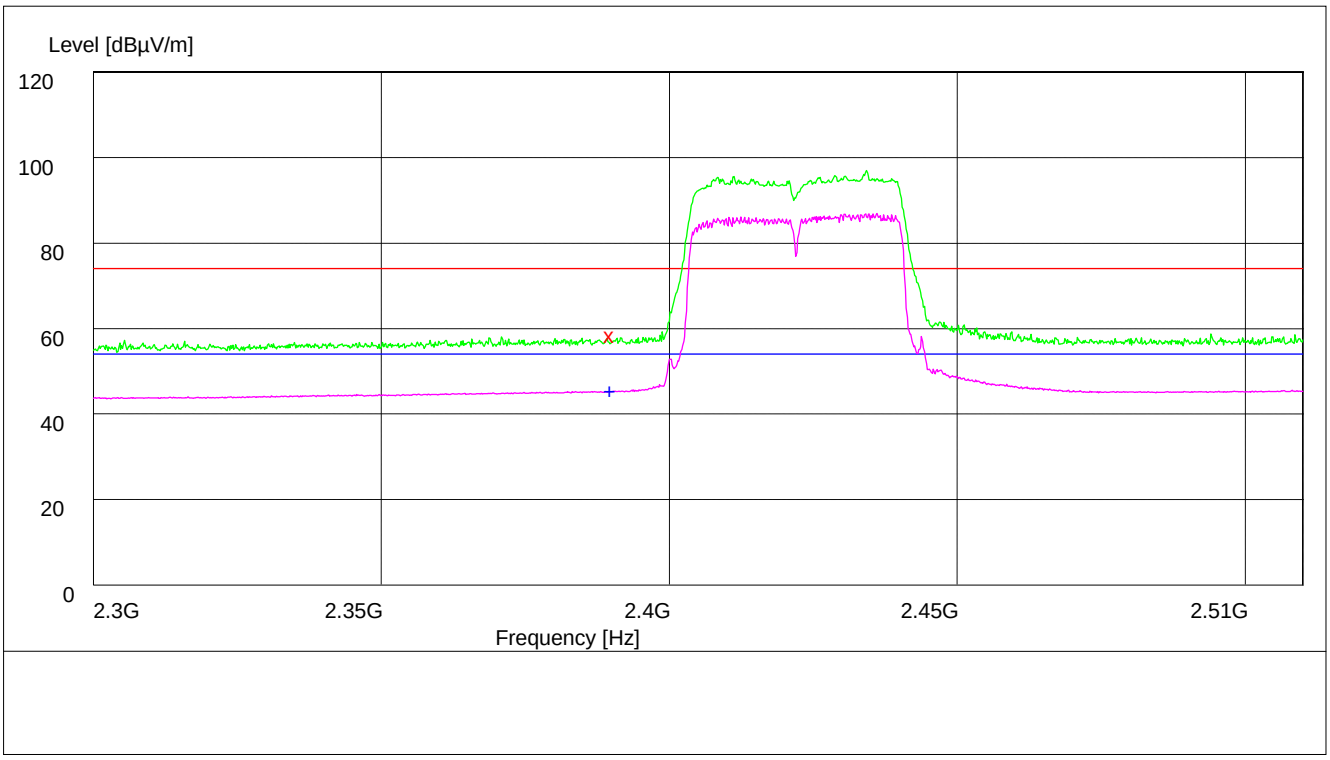
Test Mode: 11N40_Ant 1

Channel 03



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	60.70	34.8	74.0	13.3	175.0	285.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.60	34.8	54.0	6.4	100.0	156.00	HORIZONTAL

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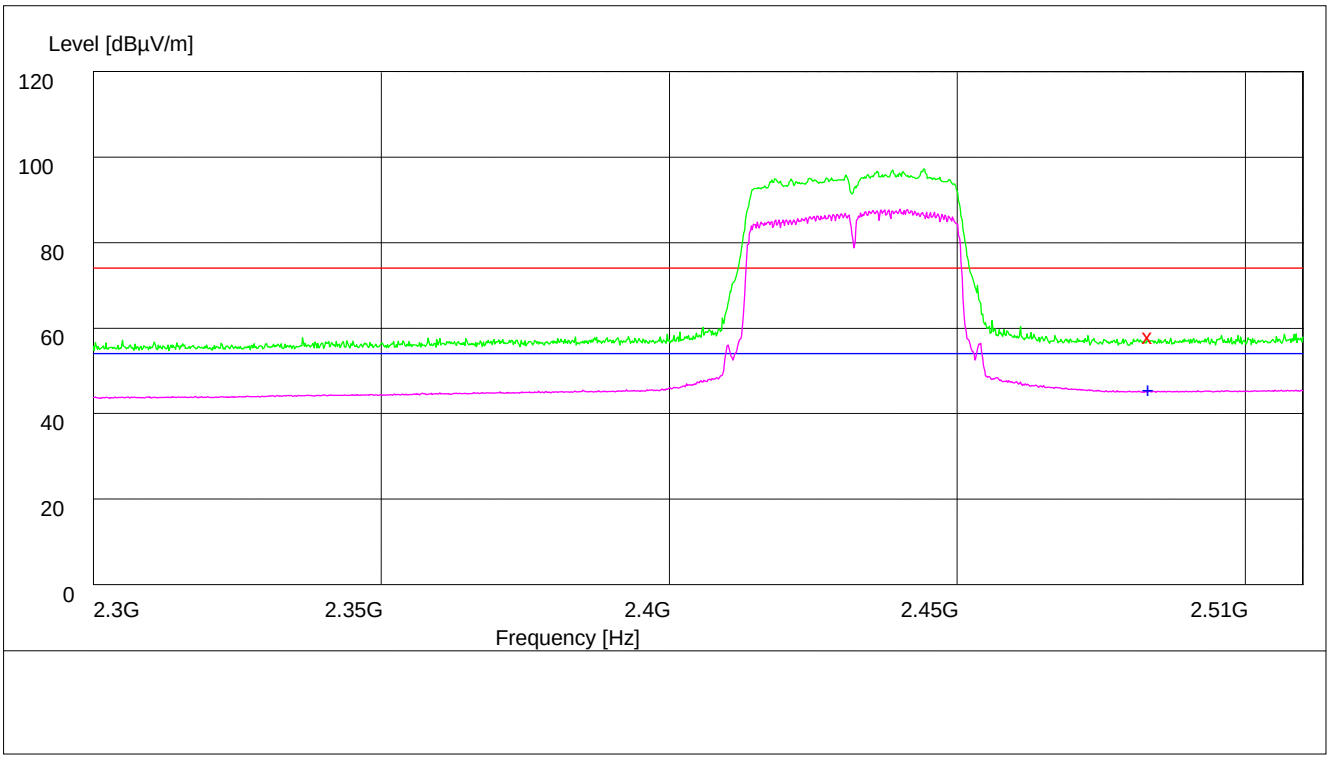
Channel 05



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
2483.500000	60.40	35.1	74.0	13.6	100.0	95.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2483.500000	47.60	35.1	54.0	6.4	100.0	90.00	VERTICAL

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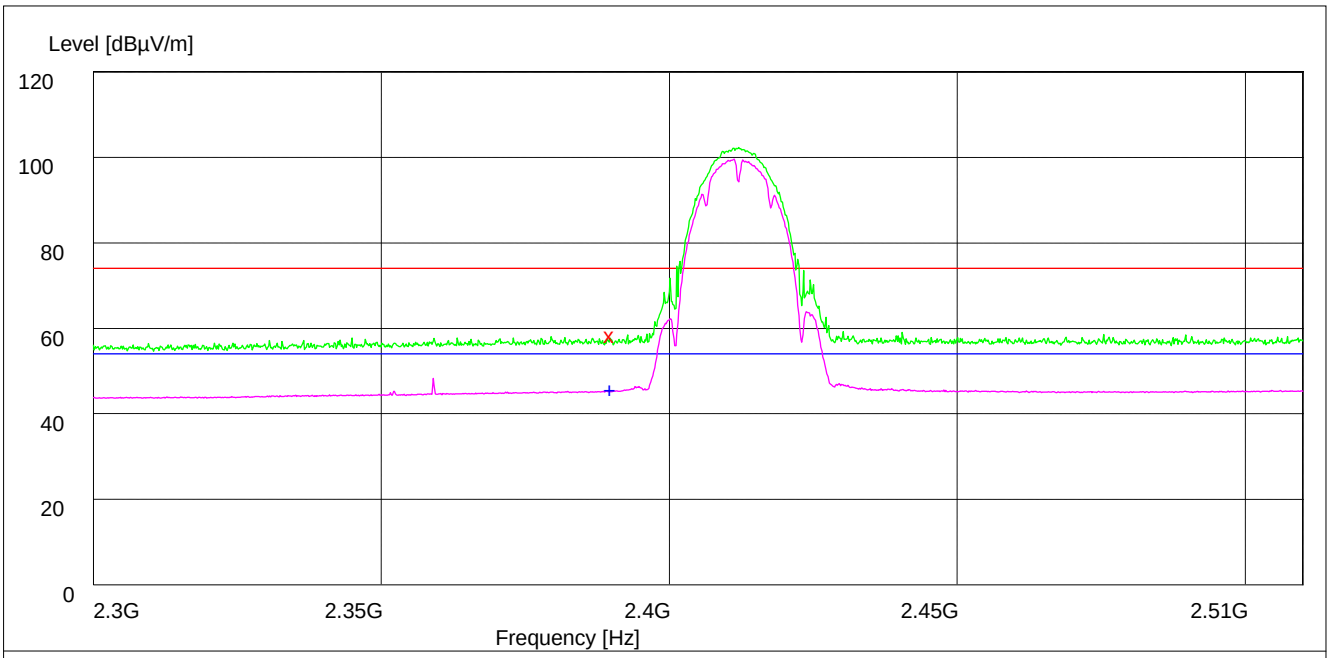
Test Mode: 11B_Ant 2

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	60.70	34.8	74.0	13.3	117.0	2.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.60	34.8	54.0	6.4	162.0	1.00	1.00

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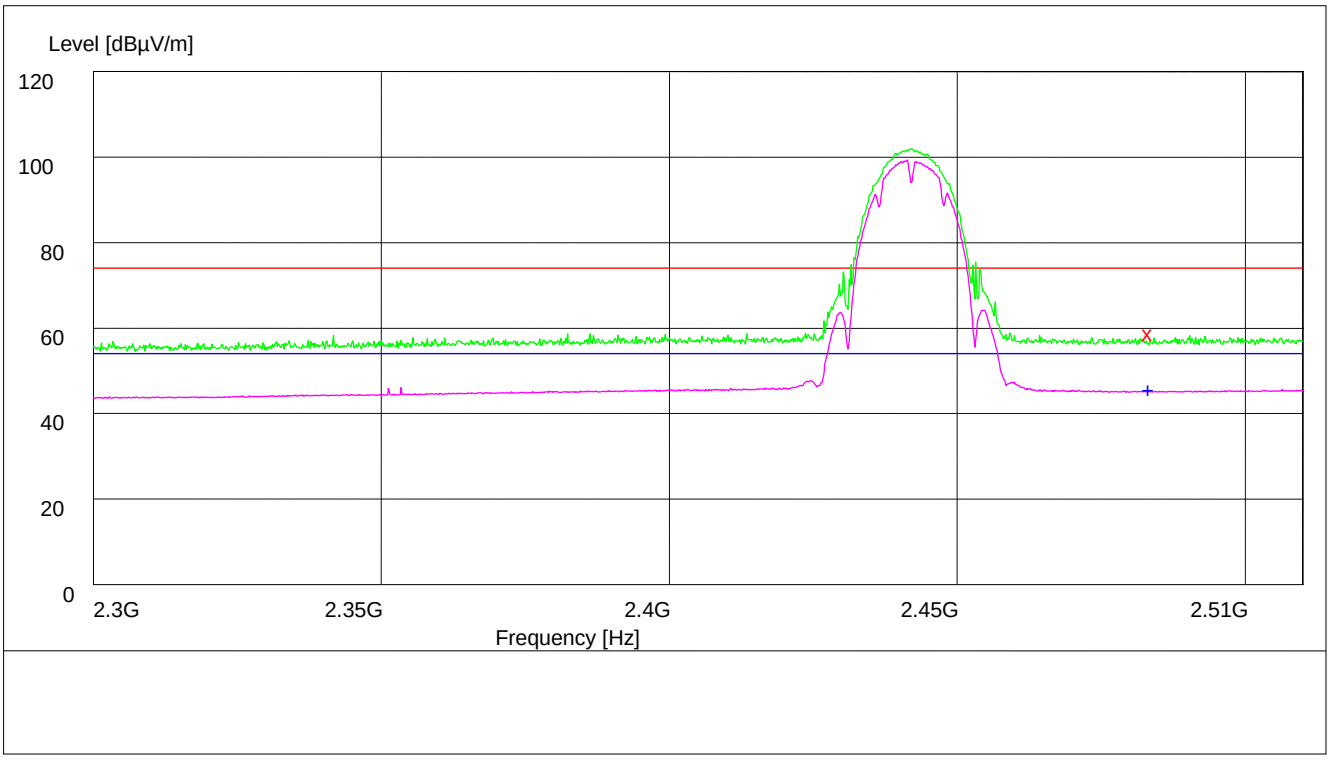
Channel 07



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
2483.500000	61.00	35.1	74.0	13.0	173.0	233.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2483.500000	47.60	35.1	54.0	6.4	101.0	11.00	VERTICAL

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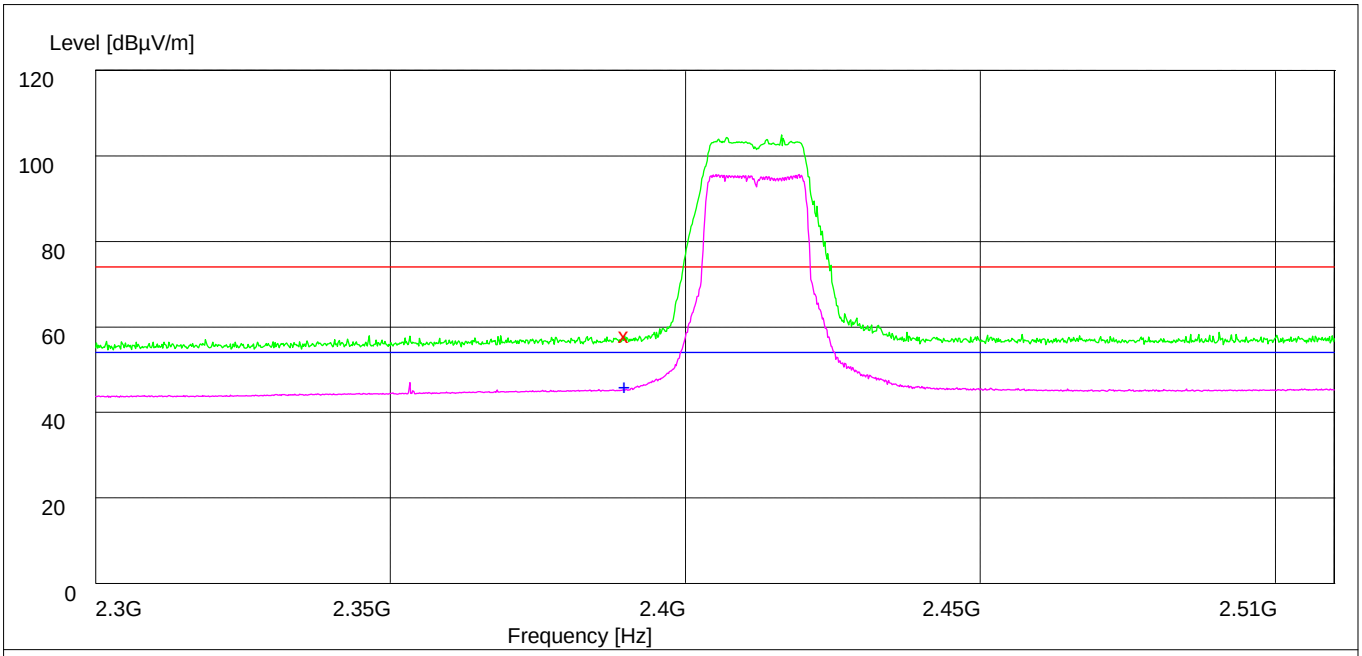
Test Mode: 11G_Ant 2

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	60.30	34.8	74.0	13.7	100.0	343.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.10	34.8	54.0	5.9	100.0	196.00	HORIZONTAL

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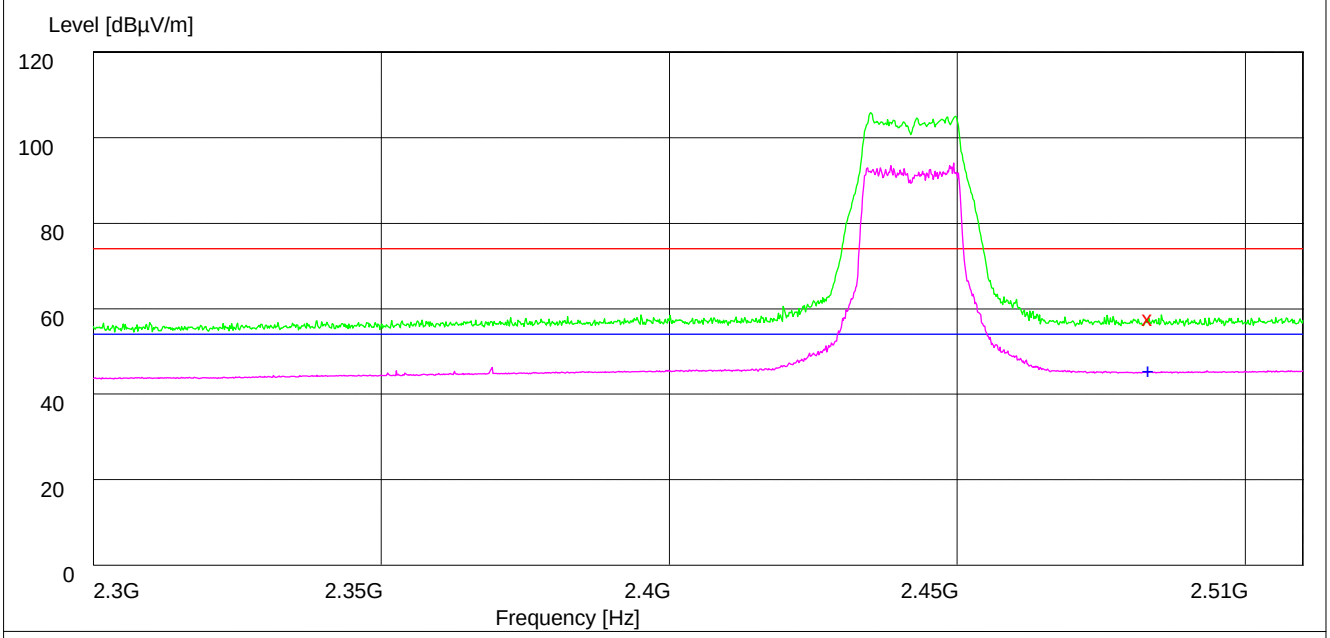
Channel 07



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
2483.500000	60.00	35.1	74.0	14.0	200.0	344.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2483.500000	47.60	35.1	54.0	6.4	107.0	209.00	HORIZONTAL

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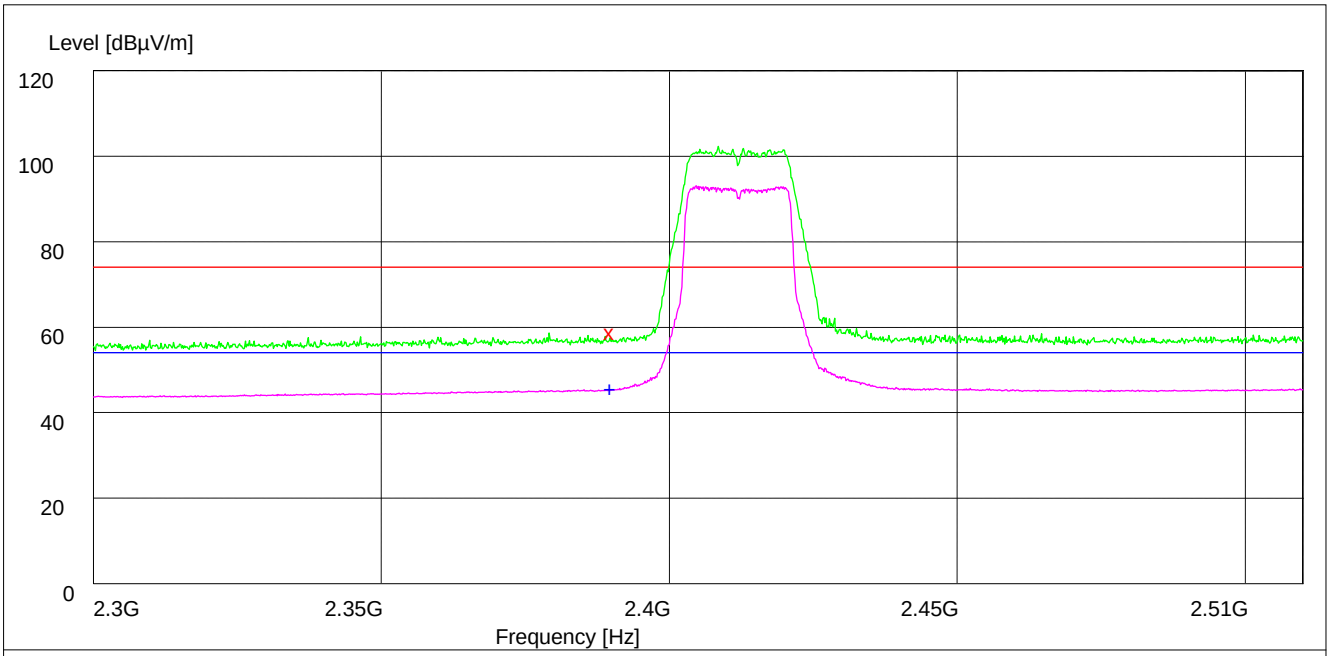
Test Mode: 11N20_Ant 2

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	61.00	34.8	74.0	13.0	113.0	186.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.60	34.8	54.0	6.4	100.0	214.00	HORIZONTAL

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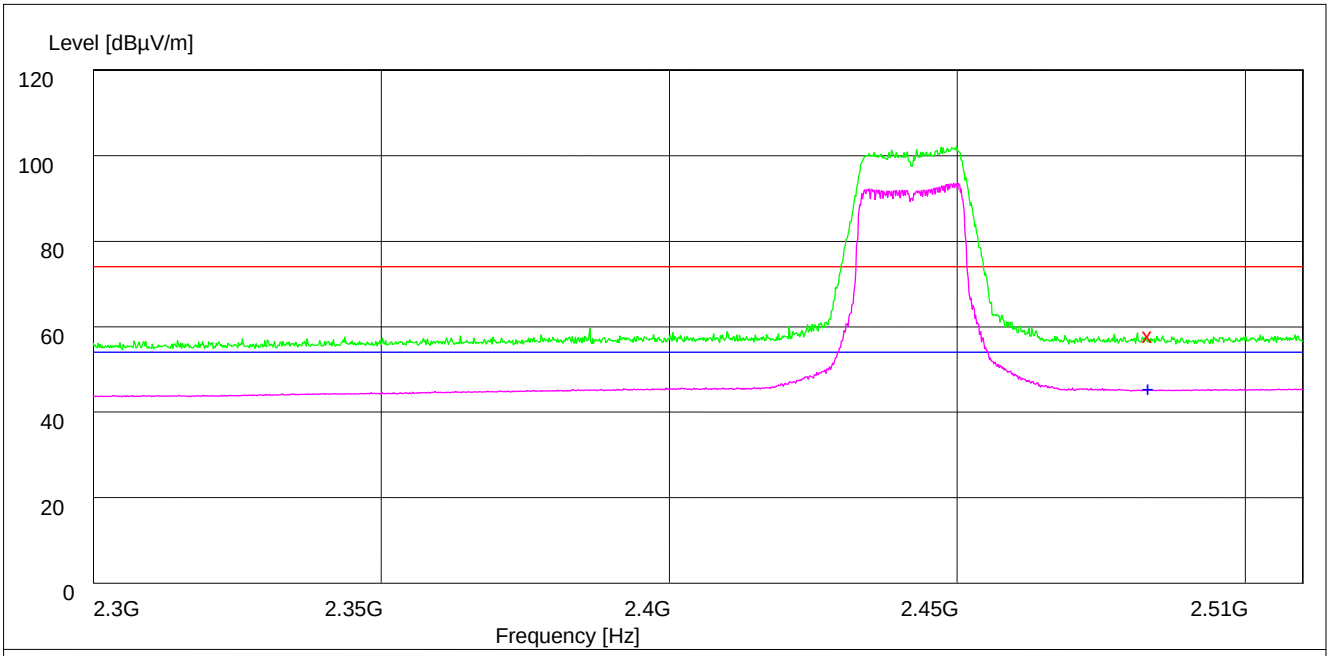
Channel 07



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
2483.500000	60.30	35.1	74.0	13.7	178.0	334.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2483.500000	47.60	35.1	54.0	6.4	199.0	334.00	VERTICAL

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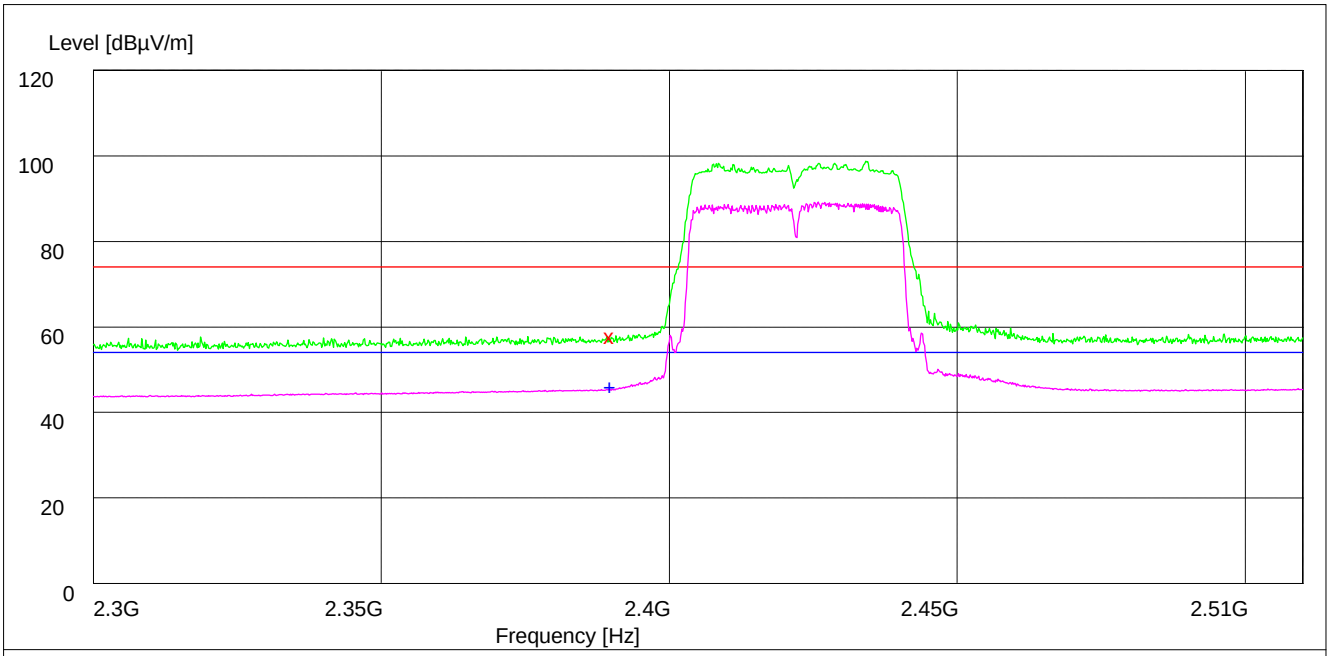
Test Mode: 11N40_Ant 2

Channel 03



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	60.10	34.8	74.0	13.9	137.0	189.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.00	34.8	54.0	6.0	101.0	208.00	HORIZONTAL

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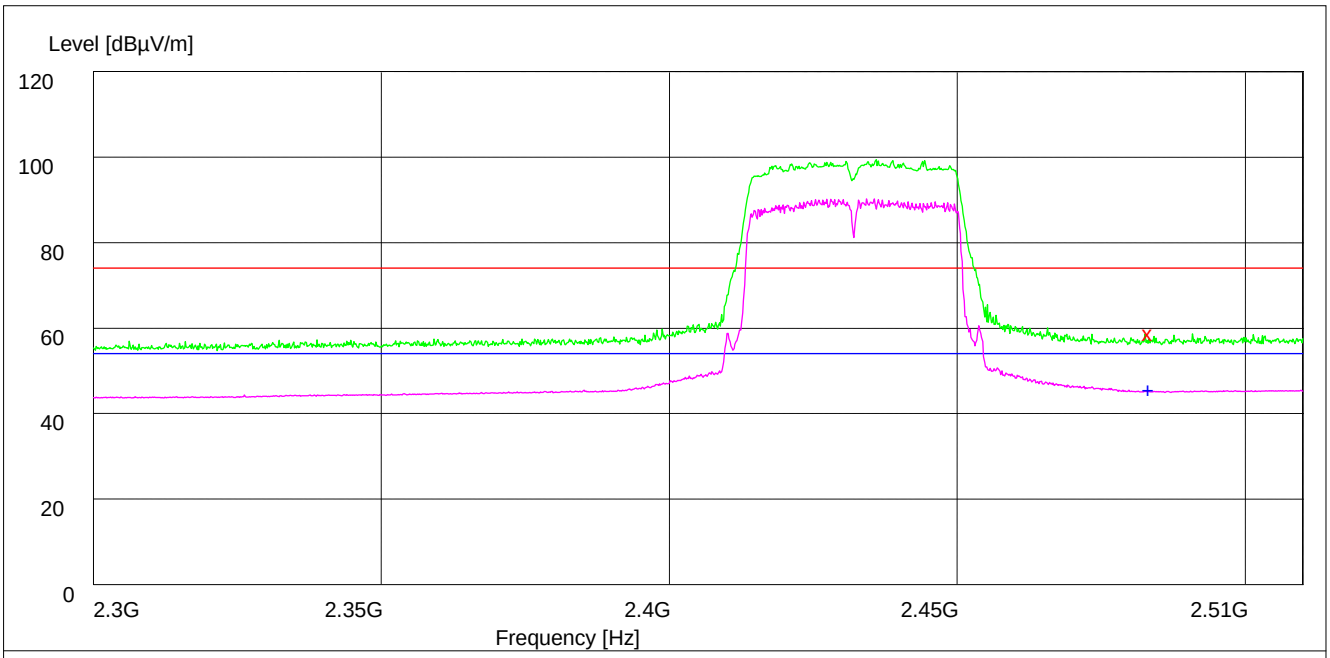
Channel 05



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
2483.500000	60.90	35.1	74.0	13.1	192.0	249.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2483.500000	47.60	35.1	54.0	6.4	152.0	230.00	HORIZONTAL

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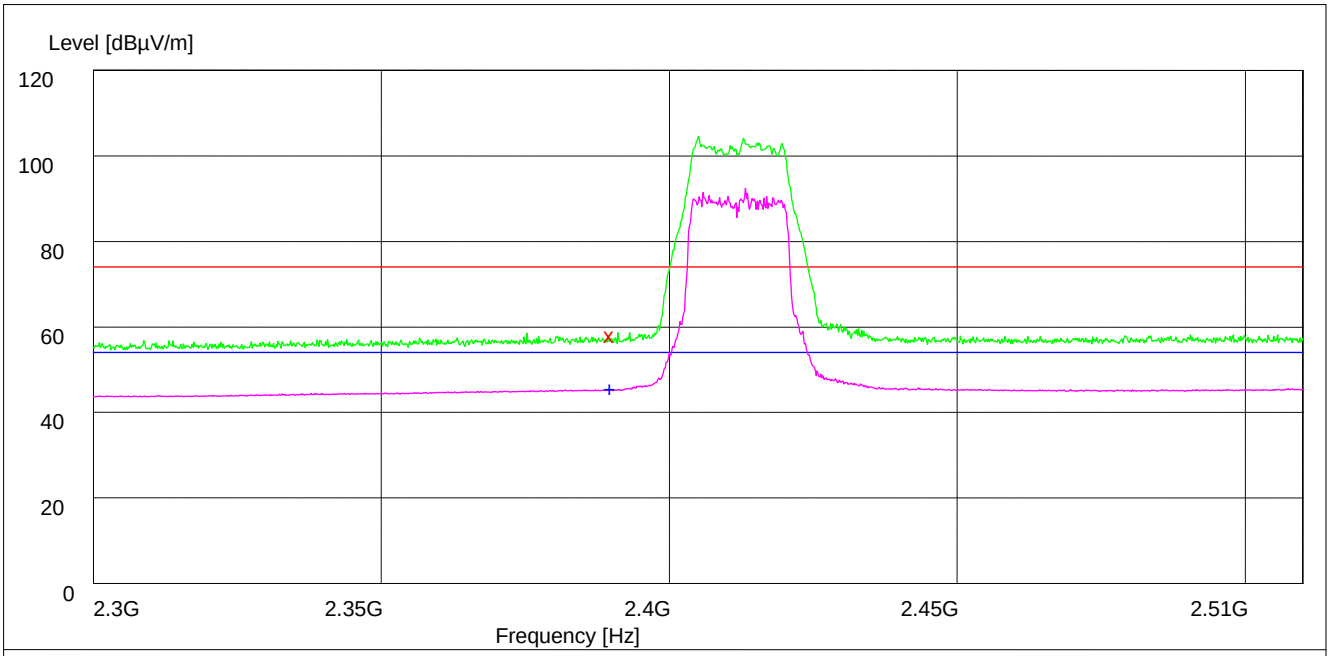
Test Mode: 11N20m

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	60.40	34.8	74.0	13.6	100.0	244.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.70	34.8	54.0	6.3	100.0	200.00	HORIZONTAL

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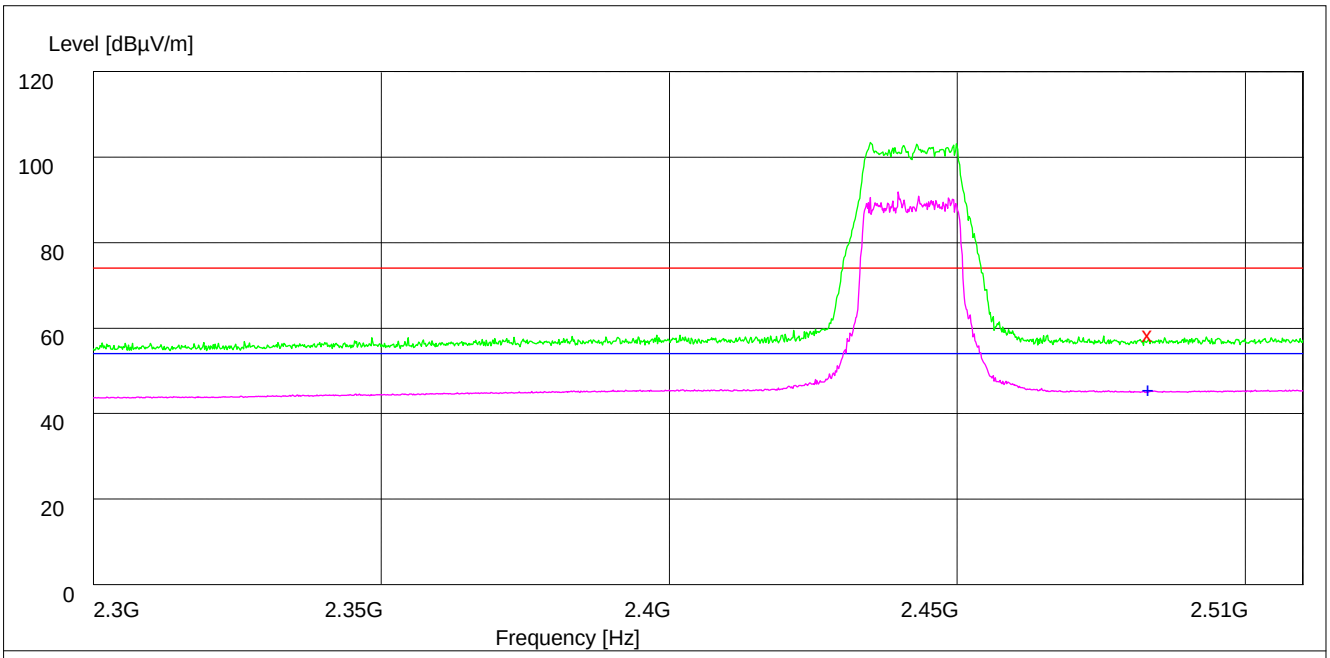
Channel 07



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
2483.500000	60.80	35.1	74.0	13.2	110.0	211.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2483.500000	47.60	35.1	54.0	6.4	108.0	82.00	VERTICAL

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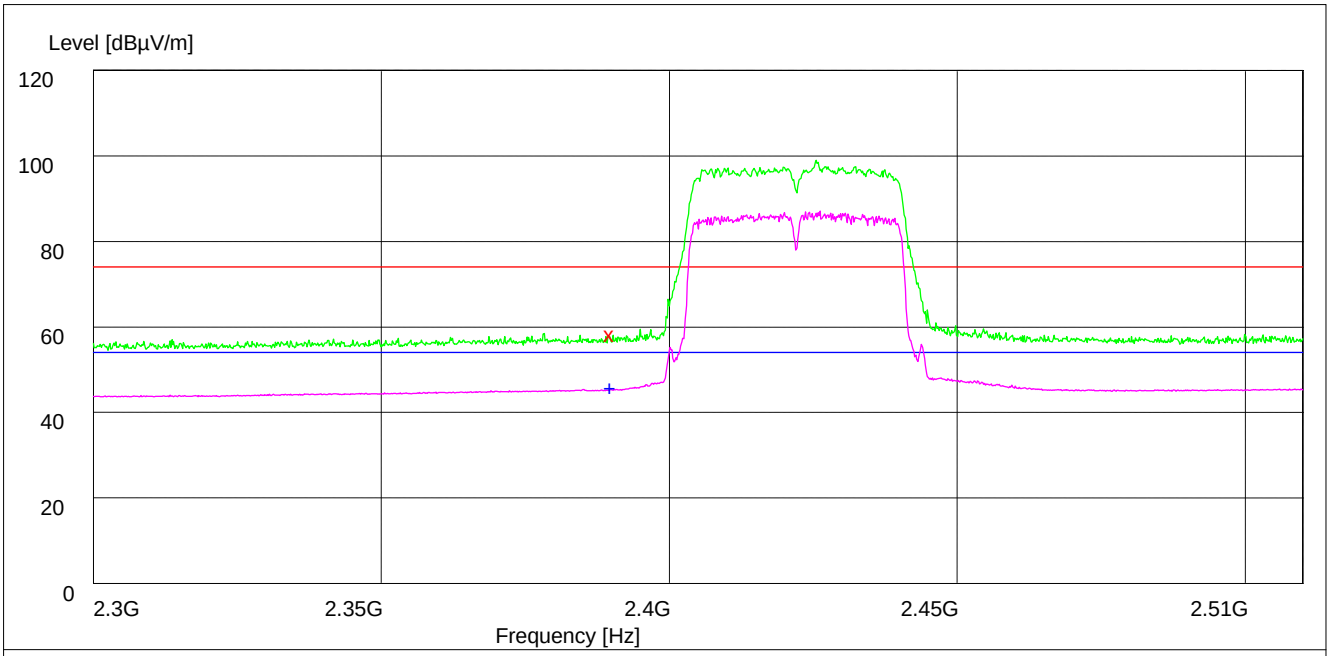
Test Mode: 11N40m

Channel 03



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	60.60	34.8	74.0	13.4	148.0	119.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.80	34.8	54.0	6.2	100.0	212.00	HORIZONTAL

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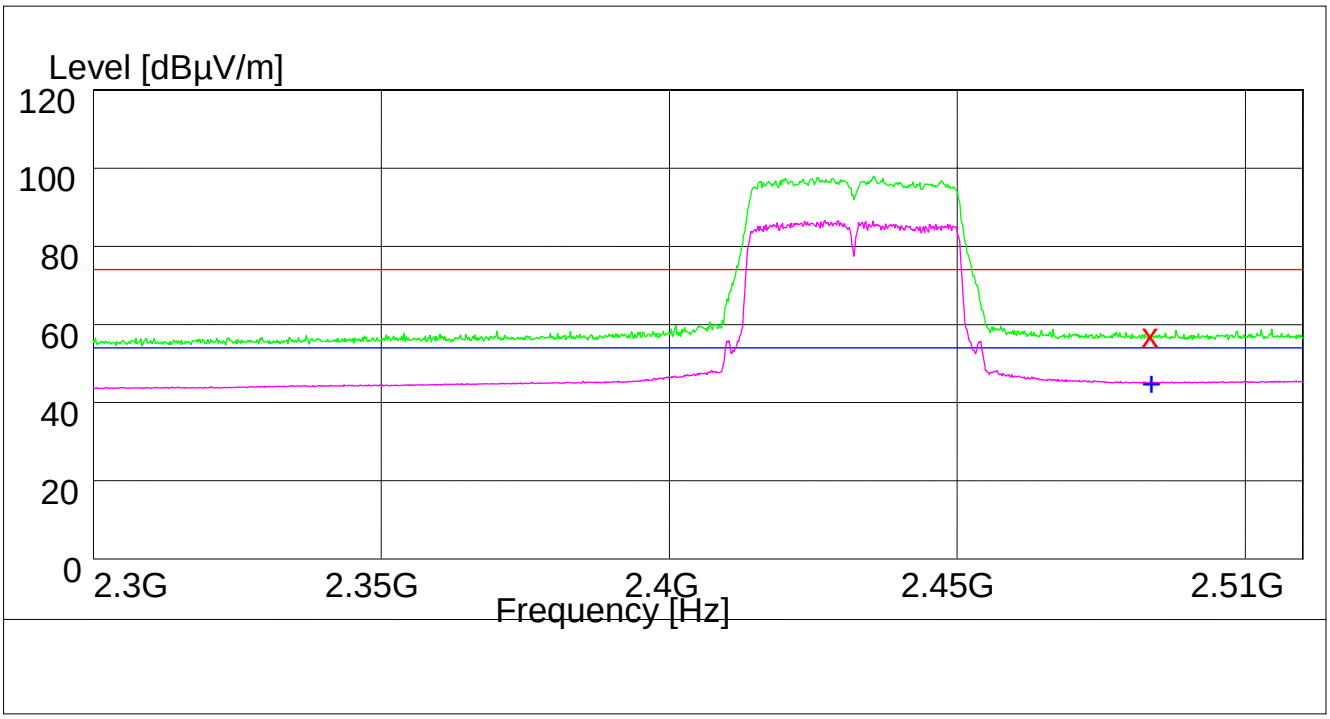
Channel 05



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
2483.500000	60.20	35.1	74.0	13.8	172.0	320.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2483.500000	47.60	35.1	54.0	6.4	113.0	24.00	HORIZONTAL

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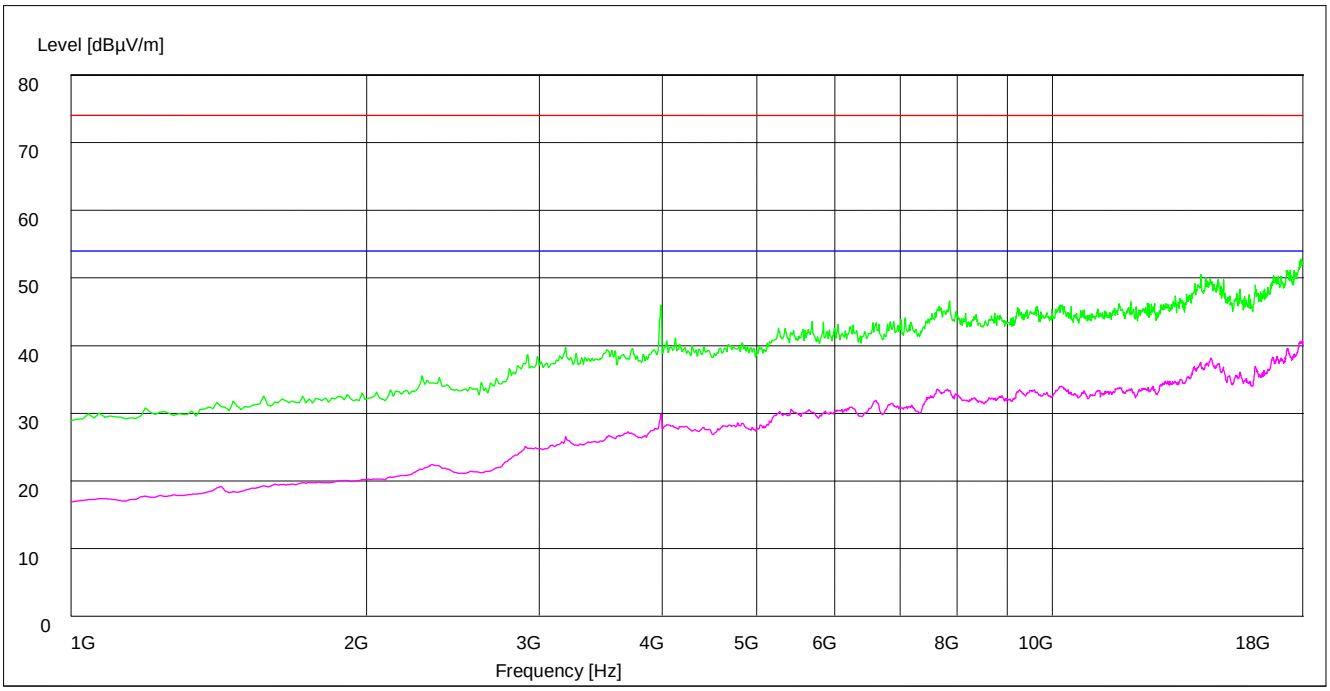
Part 5: Testing Range of “1 GHz to 18 GHz”

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 far away from the EUT operating bands.

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



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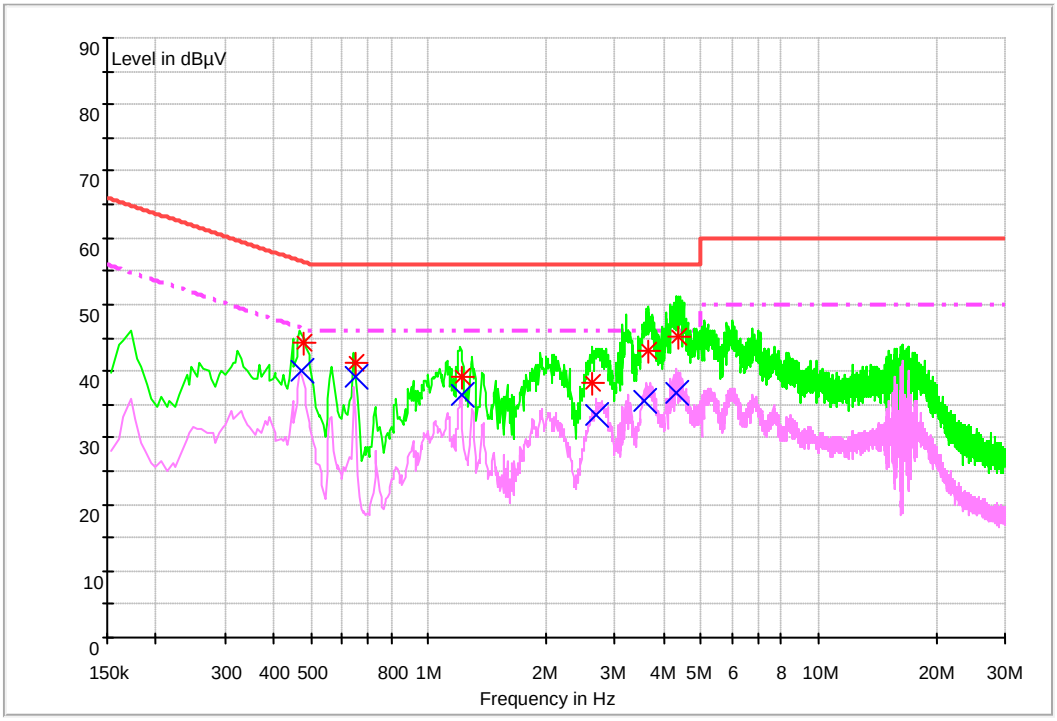
Appendix H: Conducted Emission at Power Port

Note: RBW =9 kHz, VBW = 30 kHz

Channel 4



MEASUREMENT RESULT: QP Detector

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBµV	dB	dBµV	dB		
0.480132	44.3	9.7	56.3	12.0	N	FLO
0.649976	41.3	9.7	56.0	14.7	L1	FLO
1.221450	39.2	9.7	56.0	16.8	L1	FLO
2.639134	38.2	9.7	56.0	17.8	L1	FLO
3.647182	43.0	9.7	56.0	13.0	N	FLO
4.350405	45.1	9.8	56.0	10.9	L1	FLO

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MEASUREMENT RESULT: AV Detector

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBµV	dB	dBµV	dB		
0.472819	40.2	9.7	46.5	6.3	L1	FLO
0.649608	39.1	9.7	46.0	7.0	L1	FLO
1.210980	36.4	9.7	46.0	9.6	L1	FLO
2.690576	33.5	9.7	46.0	12.5	L1	FLO
3.583785	35.5	9.7	46.0	10.5	N	FLO
4.314698	36.8	9.8	46.0	9.2	L1	FLO

END

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