



# Appendix for Test report



## Appendix A: DTS (6 dB) Bandwidth

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

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

### Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11B	L	2412	Ant 1	8.62	pass
11B	L	2412	Ant 2	8.30	pass
11B	M	2437	Ant 1	7.95	pass
11B	M	2437	Ant 2	7.92	pass
11B	H	2462	Ant 1	7.92	pass
11B	H	2462	Ant 2	8.43	pass
11G	L	2412	Ant 1	16.42	pass
11G	L	2412	Ant 2	16.47	pass
11G	M	2437	Ant 1	16.52	pass
11G	M	2437	Ant 2	16.49	pass
11G	H	2462	Ant 1	16.44	pass
11G	H	2462	Ant 2	16.45	pass
11N20	L	2412	Ant 1	17.71	pass
11N20	L	2412	Ant 2	17.74	pass
11N20	M	2437	Ant 1	17.72	pass
11N20	M	2437	Ant 2	17.70	pass
11N20	H	2462	Ant 1	17.38	pass
11N20	H	2462	Ant 2	17.65	pass
11N20m	L	2412	Ant 1	17.68	pass
11N20m	L	2412	Ant 2	17.71	pass
11N20m	M	2437	Ant 1	17.69	pass
11N20m	M	2437	Ant 2	17.69	pass
11N20m	H	2462	Ant 1	17.60	pass
11N20m	H	2462	Ant 2	17.02	pass
11N40	L	2422	Ant 1	33.89	pass
11N40	L	2422	Ant 2	35.40	pass
11N40	M	2437	Ant 1	36.03	pass
11N40	M	2437	Ant 2	36.44	pass



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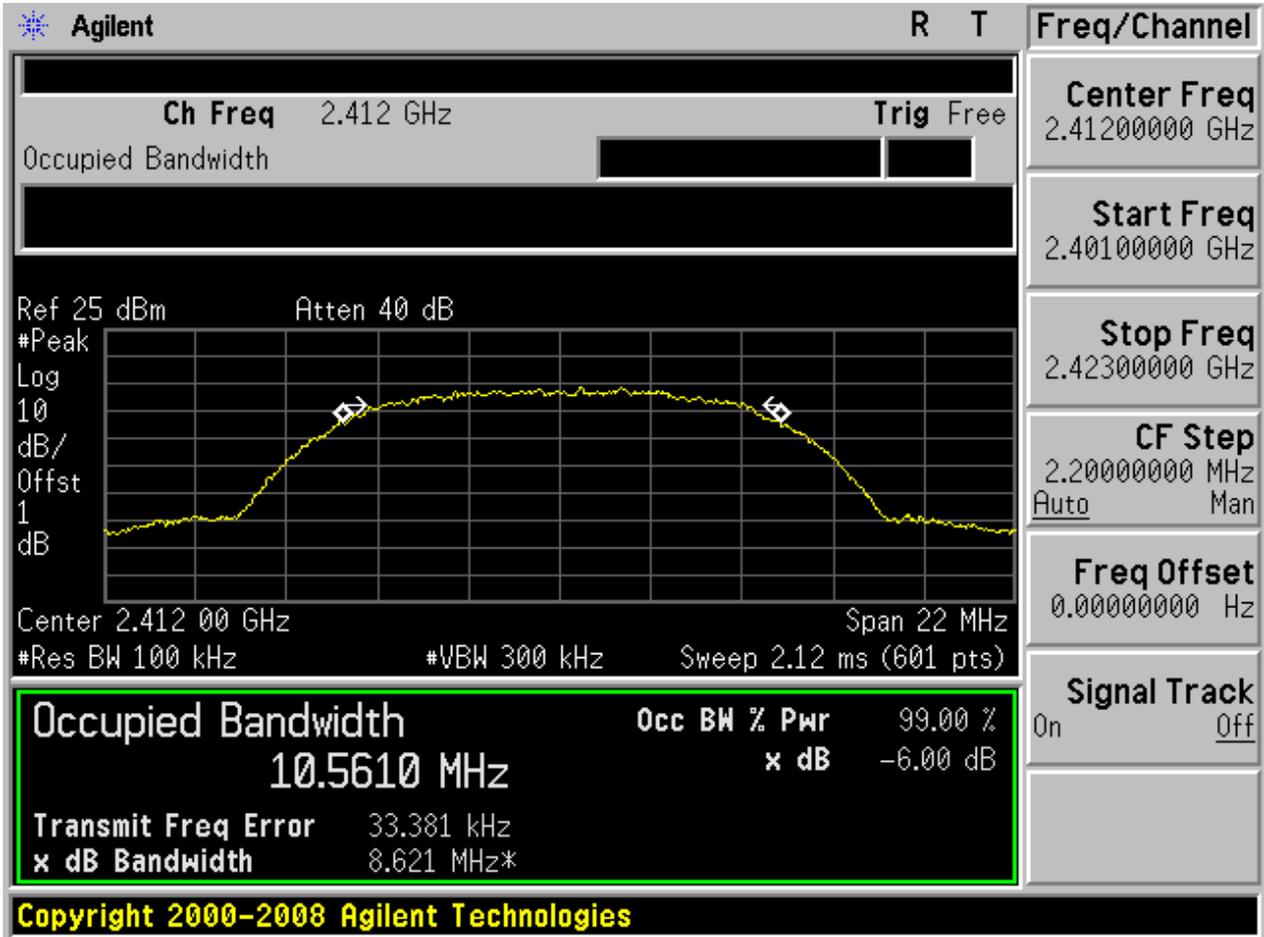
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Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11N40	H	2452	Ant 1	35.78	pass
11N40	H	2452	Ant 2	35.44	pass
11N40m	L	2422	Ant 1	35.15	pass
11N40m	L	2422	Ant 2	35.16	pass
11N40m	M	2437	Ant 1	36.36	pass
11N40m	M	2437	Ant 2	35.17	pass
11N40m	H	2452	Ant 1	32.64	pass
11N40m	H	2452	Ant 2	30.07	pass



### Part II - Test Plots

#### 1.1 11B\_L@Ant 1



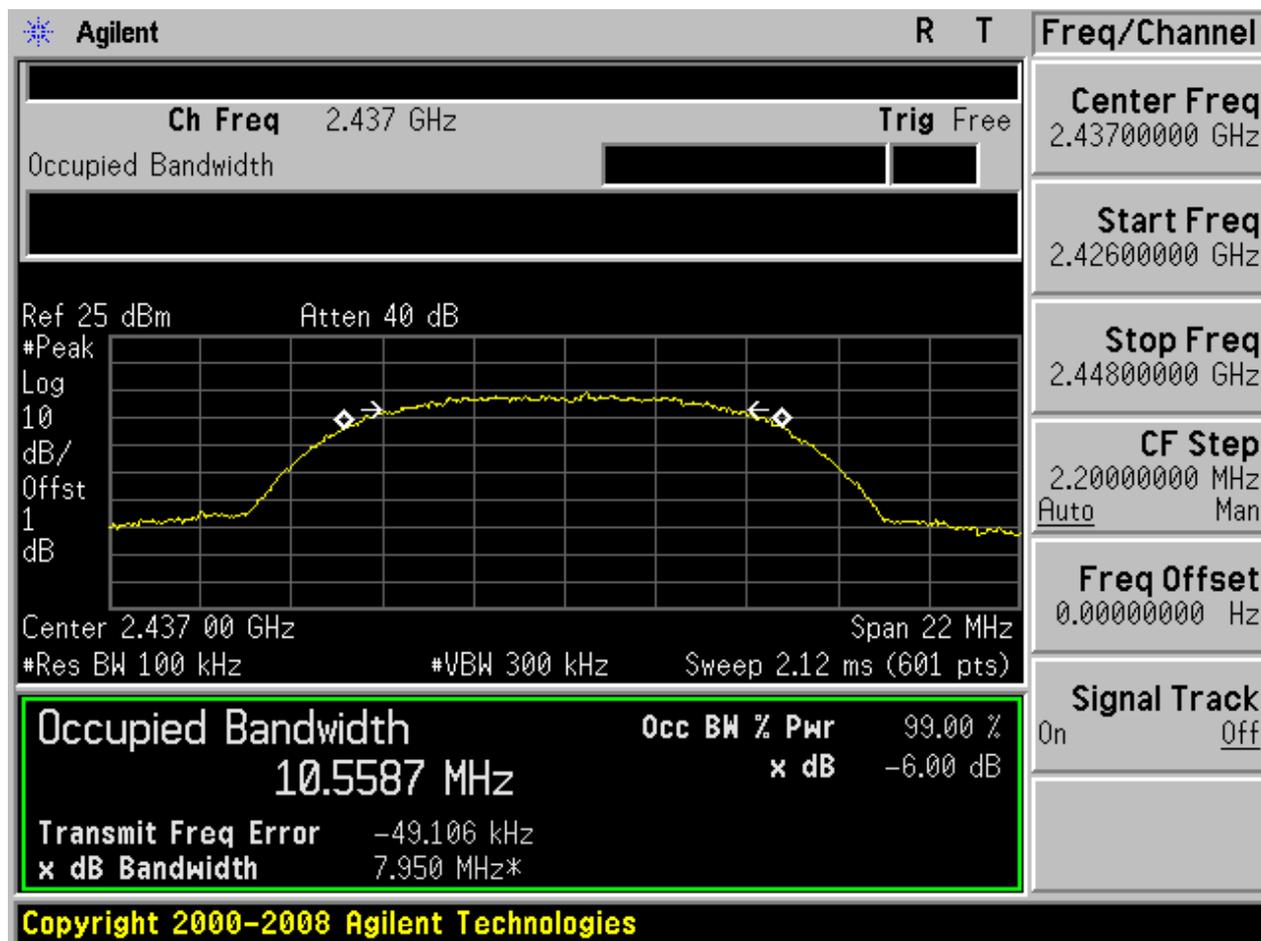


### 1.2 11B\_L@Ant 2

Agilent		R	T	Freq/Channel	
Ch Freq 2.412 GHz		Trig Free		Center Freq 2.41200000 GHz	
Occupied Bandwidth				Start Freq 2.40100000 GHz	
Ref 25 dBm		Atten 40 dB		Stop Freq 2.42300000 GHz	
				CF Step 2.20000000 MHz Auto Man	
Center 2.412 00 GHz		Span 22 MHz		Freq Offset 0.00000000 Hz	
#Res BW 100 kHz		#VBW 300 kHz		Signal Track On Off	
Sweep 2.12 ms (601 pts)					
<b>Occupied Bandwidth</b> <b>10.5835 MHz</b>		<b>Occ BW % Pwr</b> <b>99.00 %</b>			
		<b>x dB</b> <b>-6.00 dB</b>			
<b>Transmit Freq Error</b> <b>28.601 kHz</b>					
<b>x dB Bandwidth</b> <b>8.296 MHz*</b>					
<b>Copyright 2000-2008 Agilent Technologies</b>					

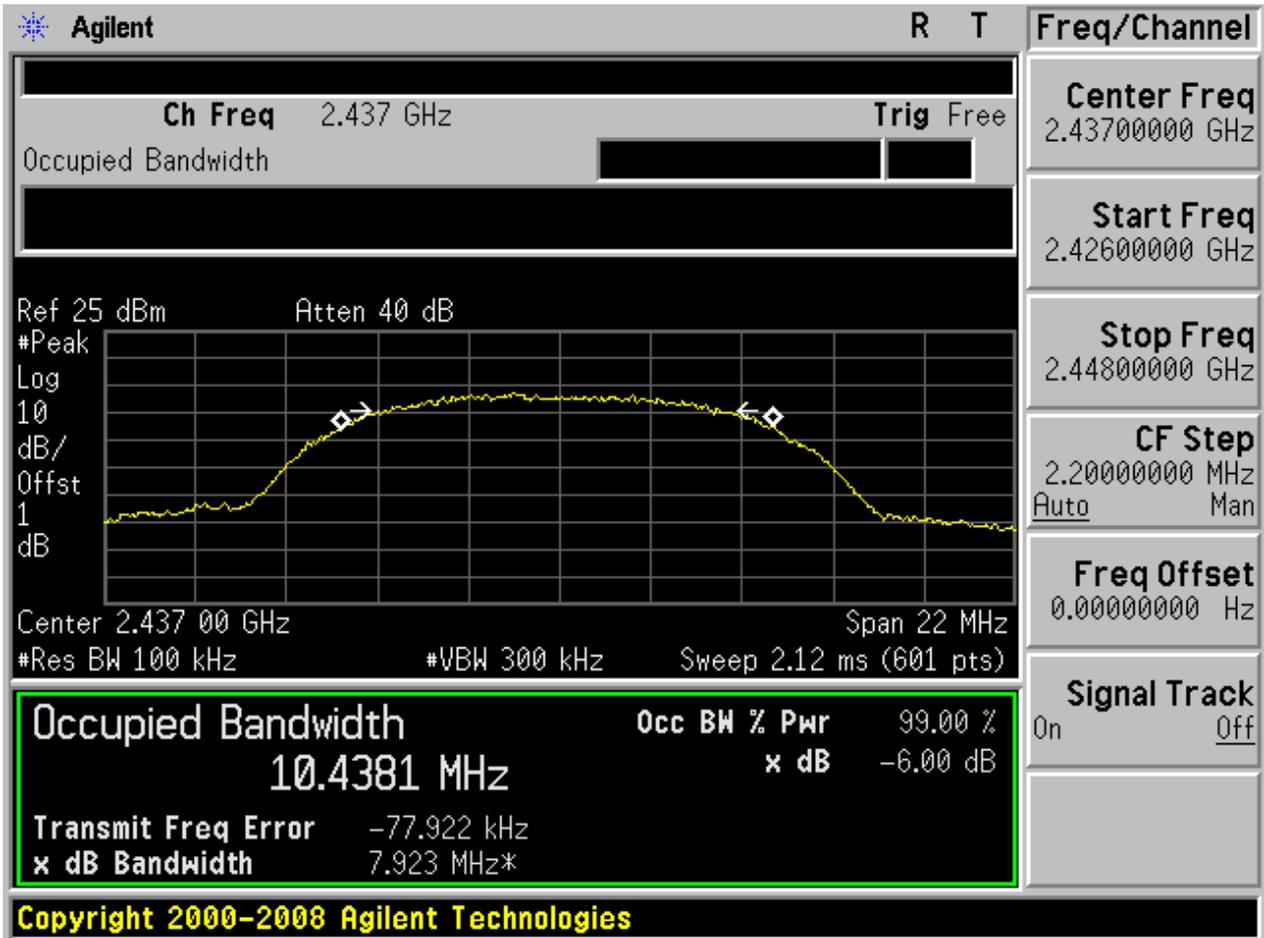


### 1.3 11B\_M@Ant 1



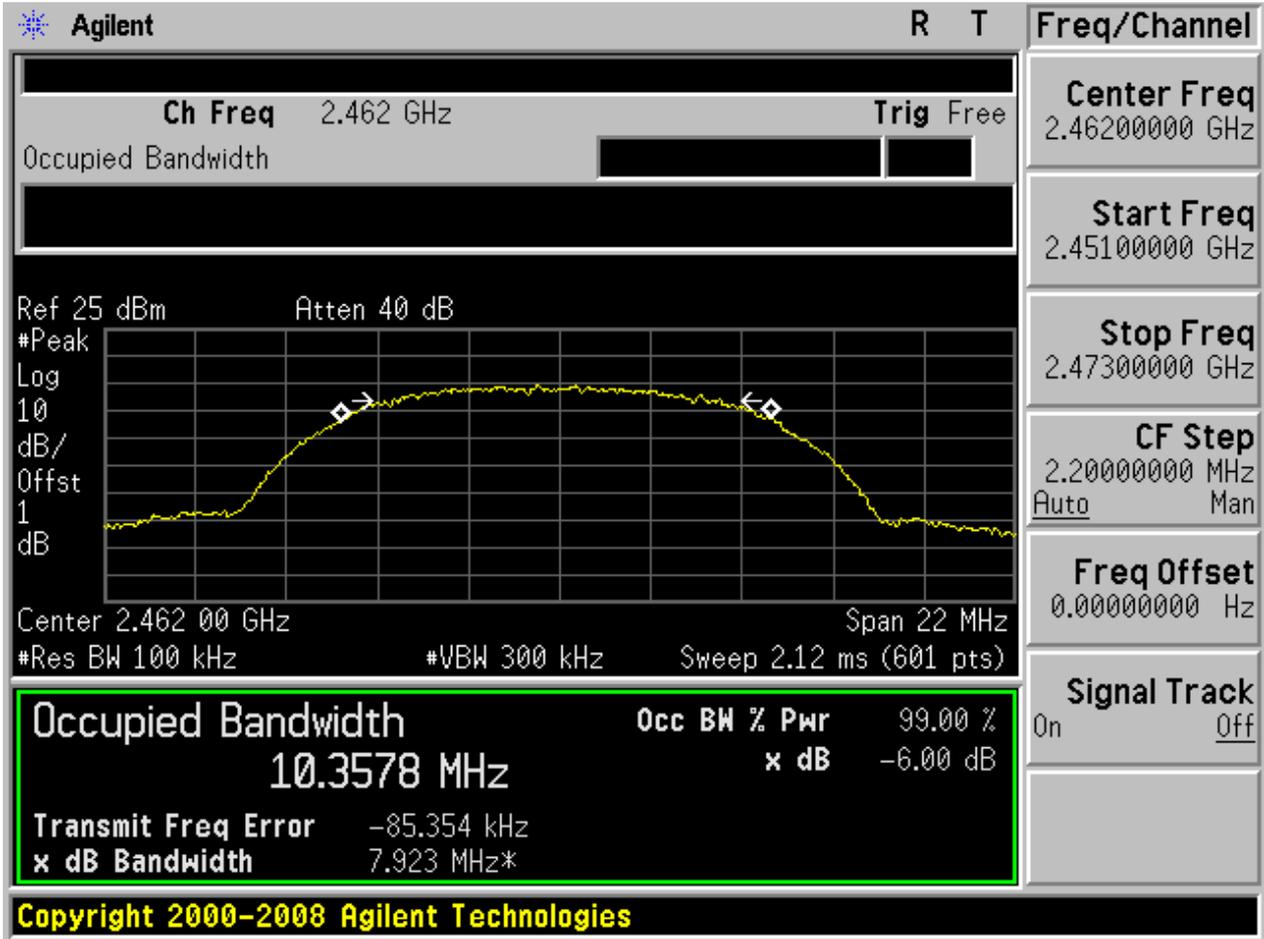


### 1.4 11B\_M@Ant 2





### 1.5 11B\_H@Ant 1





### 1.6 11B\_H@Ant 2

<b>Agilent</b> <span style="float: right;">R T</span>		<b>Freq/Channel</b>	
<b>Ch Freq</b> 2.462 GHz <span style="float: right;"><b>Trig</b> Free</span>		<b>Center Freq</b> 2.46200000 GHz	
Occupied Bandwidth <span style="float: right;">█</span>		<b>Start Freq</b> 2.45100000 GHz	
Ref 25 dBm <span style="margin-left: 50px;">Atten 40 dB</span>		<b>Stop Freq</b> 2.47300000 GHz	
#Peak Log 10 dB/ Offst 1 dB		<b>CF Step</b> 2.20000000 MHz Auto Man	
		<b>Freq Offset</b> 0.00000000 Hz	
Center 2.462 00 GHz <span style="float: right;">Span 22 MHz</span>		<b>Signal Track</b> On Off	
#Res BW 100 kHz <span style="margin-left: 100px;">#VBW 300 kHz</span> <span style="float: right;">Sweep 2.12 ms (601 pts)</span>			
<b>Occupied Bandwidth</b>		<b>Occ BW % Pwr</b> 99.00 %	
<b>10.3914 MHz</b>		<b>x dB</b> -6.00 dB	
<b>Transmit Freq Error</b> -74.408 kHz			
<b>x dB Bandwidth</b> 8.435 MHz*			
<b>Copyright 2000-2008 Agilent Technologies</b>			



### 1.7 11G\_L@Ant 1

Agilent		R	T	Freq/Channel	
Ch Freq 2.412 GHz		Trig Free		Center Freq 2.41200000 GHz	
Occupied Bandwidth				Start Freq 2.40100000 GHz	
Ref 25 dBm		Atten 40 dB		Stop Freq 2.42300000 GHz	
				CF Step 2.20000000 MHz Auto Man	
Center 2.412 00 GHz		Span 22 MHz		Freq Offset 0.00000000 Hz	
#Res BW 100 kHz		#VBW 300 kHz		Sweep 2.12 ms (601 pts)	
<b>Occupied Bandwidth</b> <b>16.3569 MHz</b>		<b>Occ BW % Pwr</b> <b>99.00 %</b>		<b>Signal Track</b> On Off	
<b>x dB Bandwidth</b> 16.425 MHz*		<b>x dB</b> -6.00 dB			
Transmit Freq Error 25.292 kHz					
Copyright 2000-2008 Agilent Technologies					

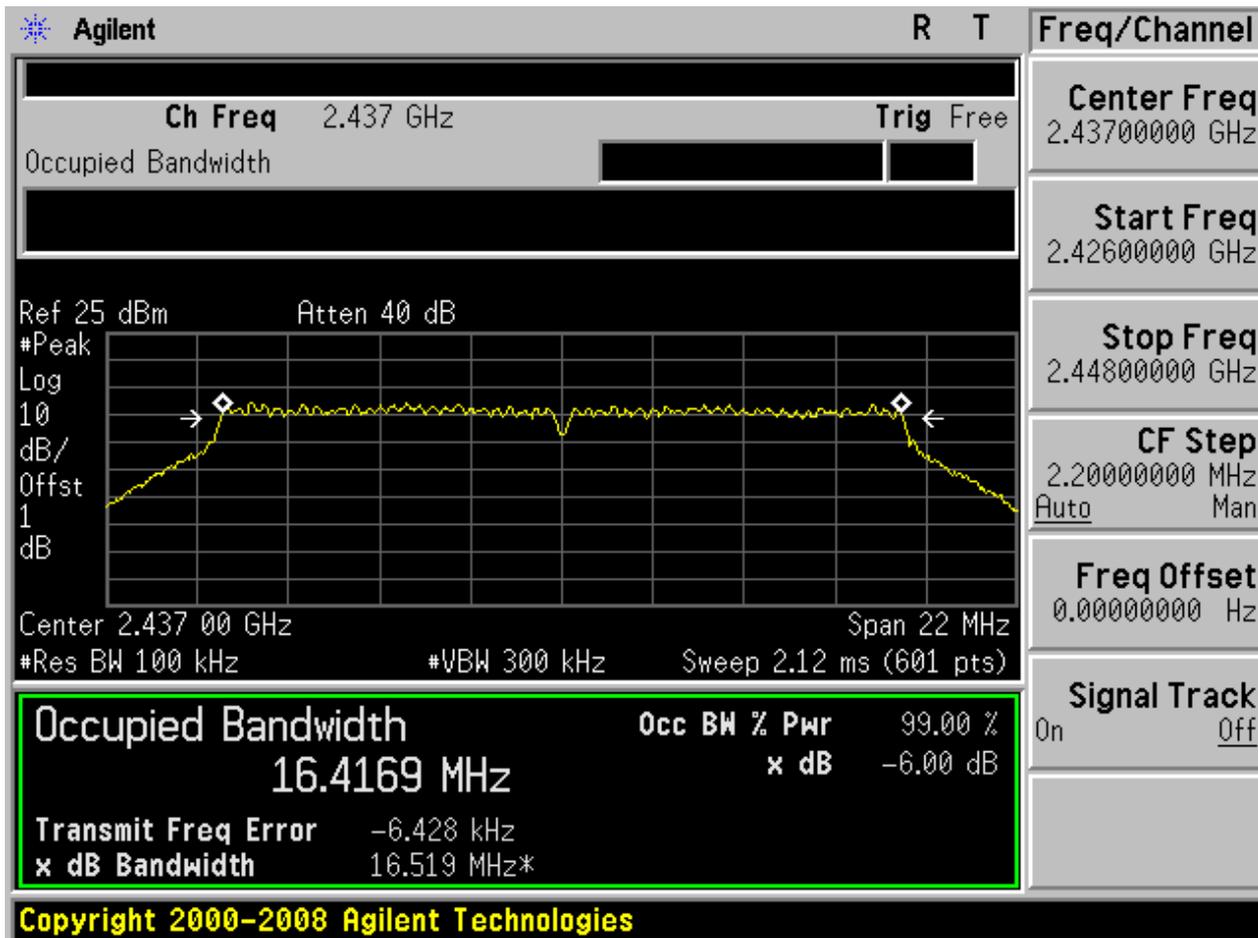


### 1.8 11G\_L@Ant 2

Agilent		R	T	Freq/Channel	
Ch Freq 2.412 GHz		Trig Free		Center Freq 2.41200000 GHz	
Occupied Bandwidth				Start Freq 2.40100000 GHz	
Ref 25 dBm		Atten 40 dB		Stop Freq 2.42300000 GHz	
				CF Step 2.20000000 MHz Auto Man	
Center 2.412 00 GHz		Span 22 MHz		Freq Offset 0.00000000 Hz	
#Res BW 100 kHz		#VBW 300 kHz		Sweep 2.12 ms (601 pts)	
<b>Occupied Bandwidth</b> <b>16.4042 MHz</b>		<b>Occ BW % Pwr</b> <b>99.00 %</b>		<b>Signal Track</b> On Off	
<b>x dB Bandwidth</b> 16.475 MHz*		<b>x dB</b> -6.00 dB			
Transmit Freq Error 13.181 kHz					
Copyright 2000-2008 Agilent Technologies					

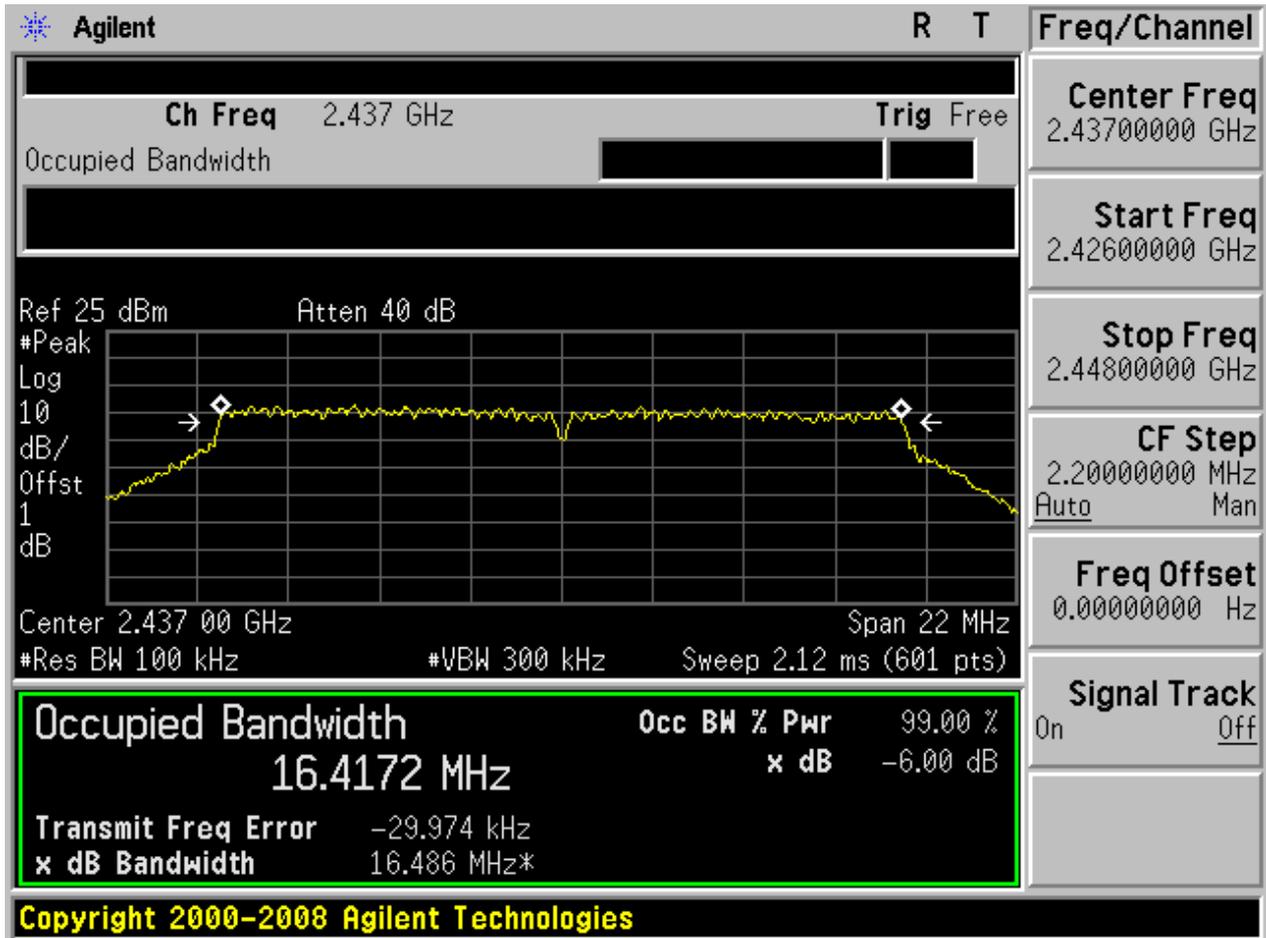


### 1.9 11G\_M@Ant 1



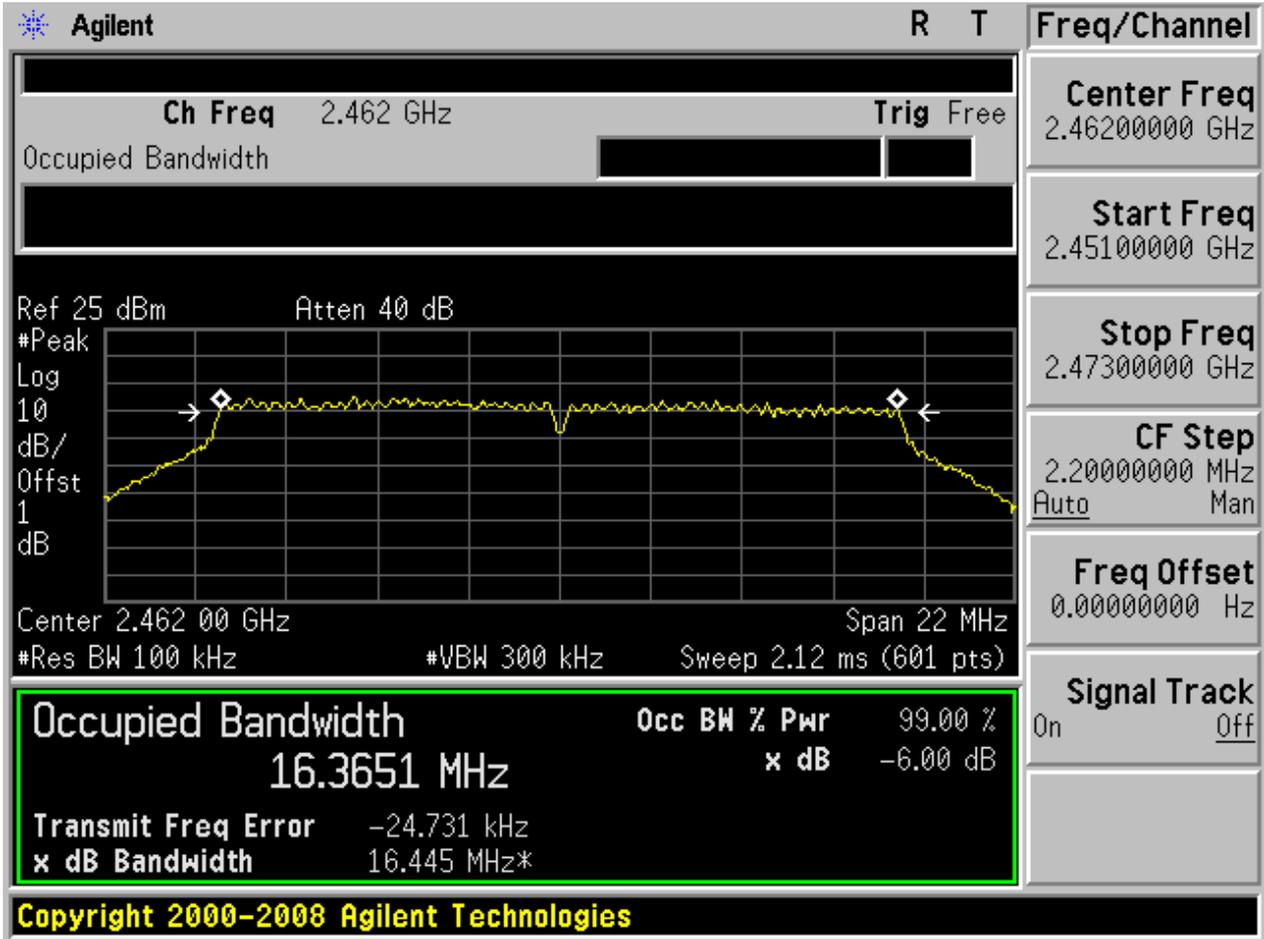


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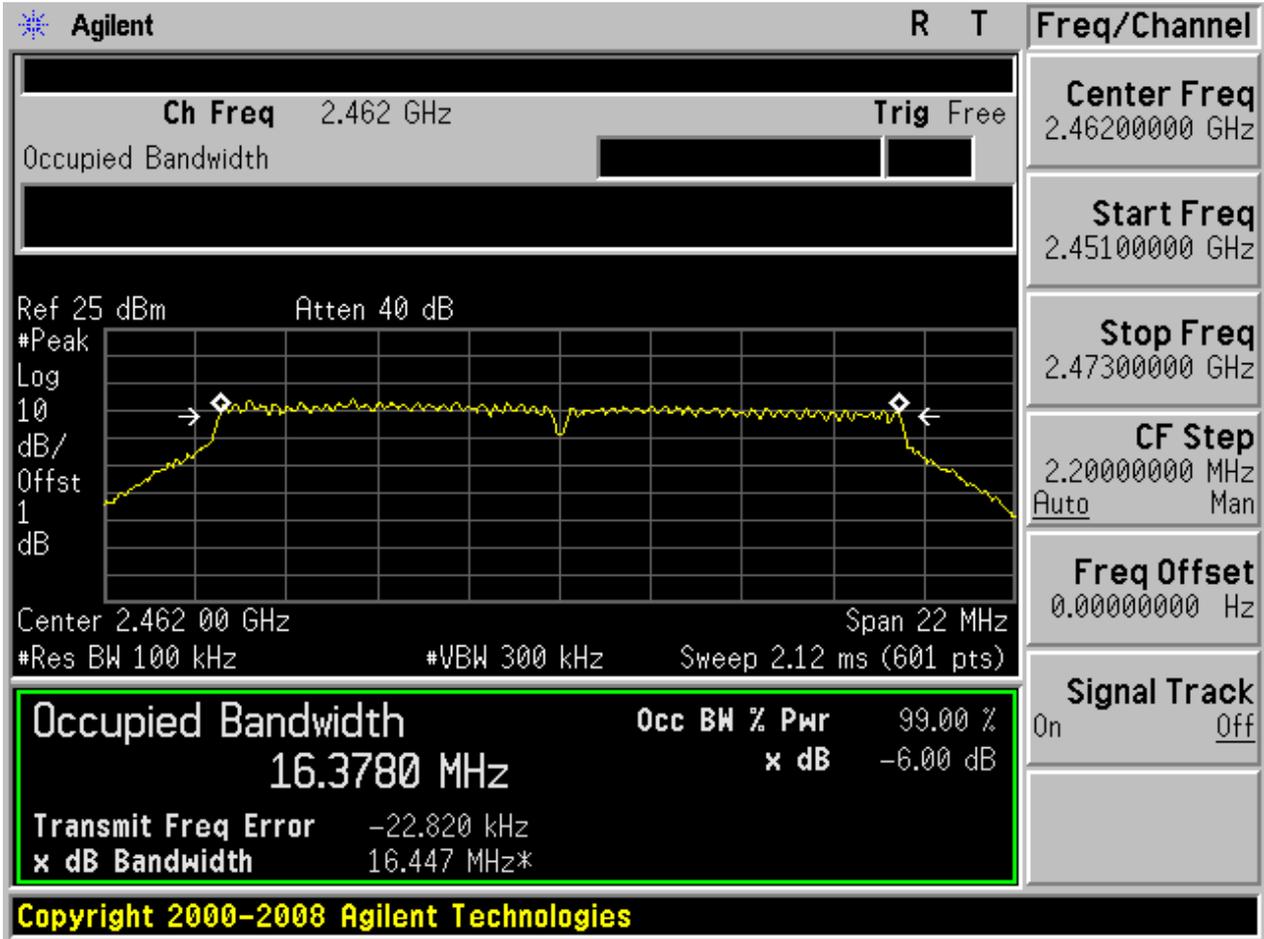


### 1.11 11G\_H@Ant 1



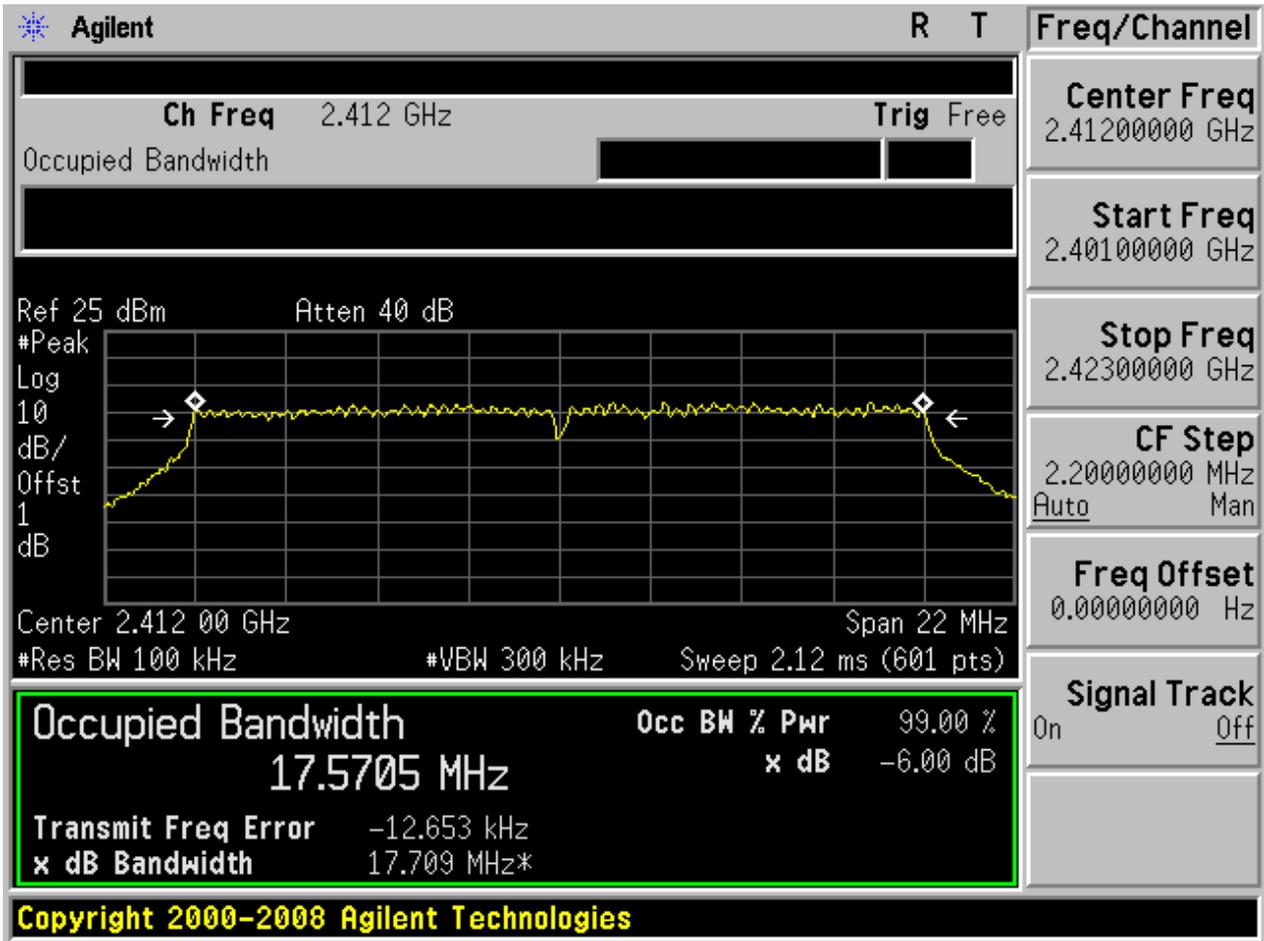


### 1.12 11G\_H@Ant 2





### 1.13 11N20\_L@Ant 1



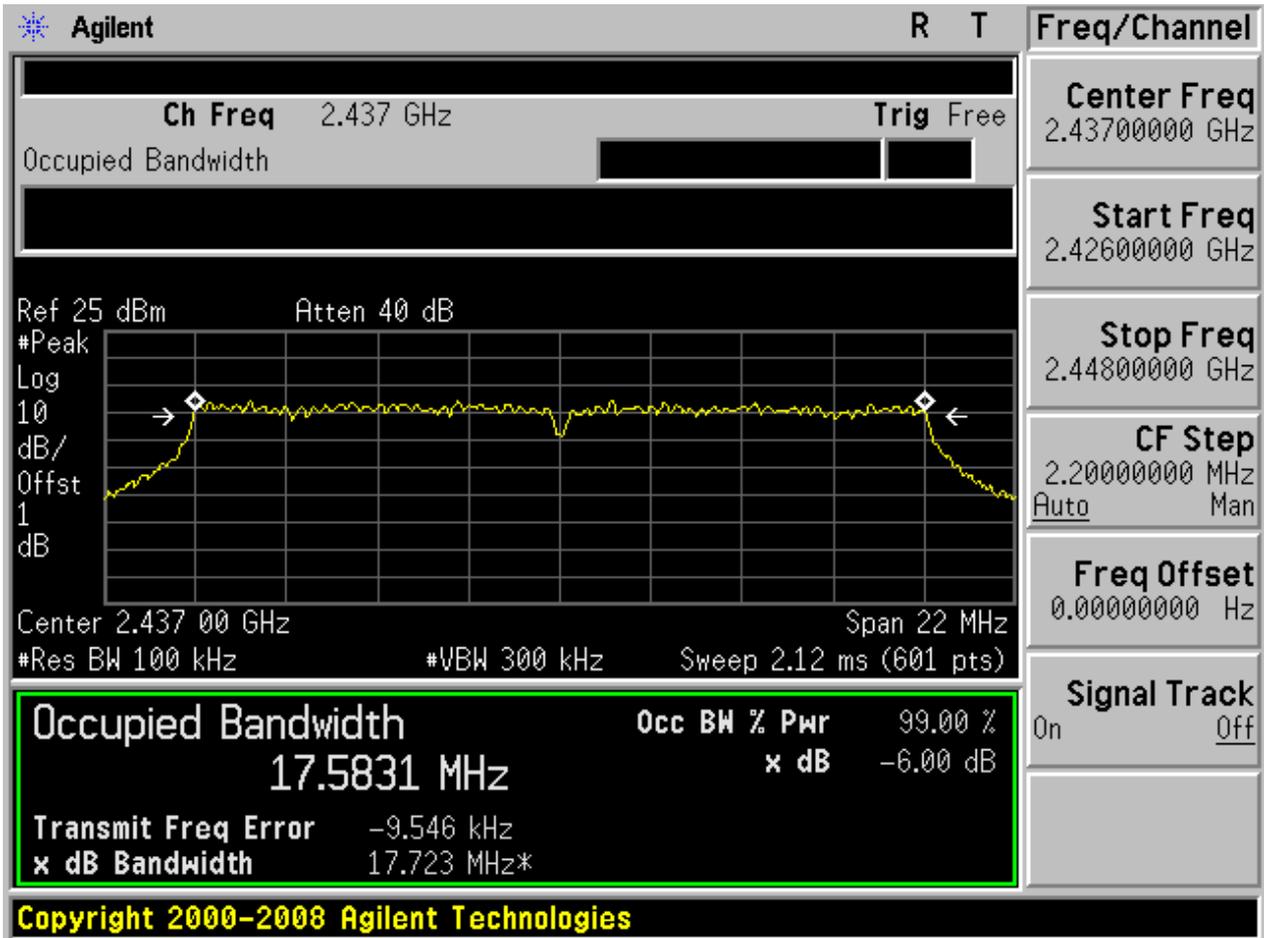


### 1.14 11N20\_L@Ant 2

Agilent		R	T	Freq/Channel	
Ch Freq 2.412 GHz		Trig Free		Center Freq 2.41200000 GHz	
Occupied Bandwidth				Start Freq 2.40100000 GHz	
Ref 25 dBm		Atten 40 dB		Stop Freq 2.42300000 GHz	
				CF Step 2.20000000 MHz Auto Man	
Center 2.412 00 GHz		Span 22 MHz		Freq Offset 0.00000000 Hz	
#Res BW 100 kHz		#VBW 300 kHz		Sweep 2.12 ms (601 pts)	
<b>Occupied Bandwidth</b> <b>17.5931 MHz</b>		<b>Occ BW % Pwr</b> <b>99.00 %</b>		<b>Signal Track</b> On Off	
<b>x dB Bandwidth</b> <b>17.740 MHz*</b>		<b>x dB</b> <b>-6.00 dB</b>			
Transmit Freq Error 5.916 kHz					
Copyright 2000-2008 Agilent Technologies					

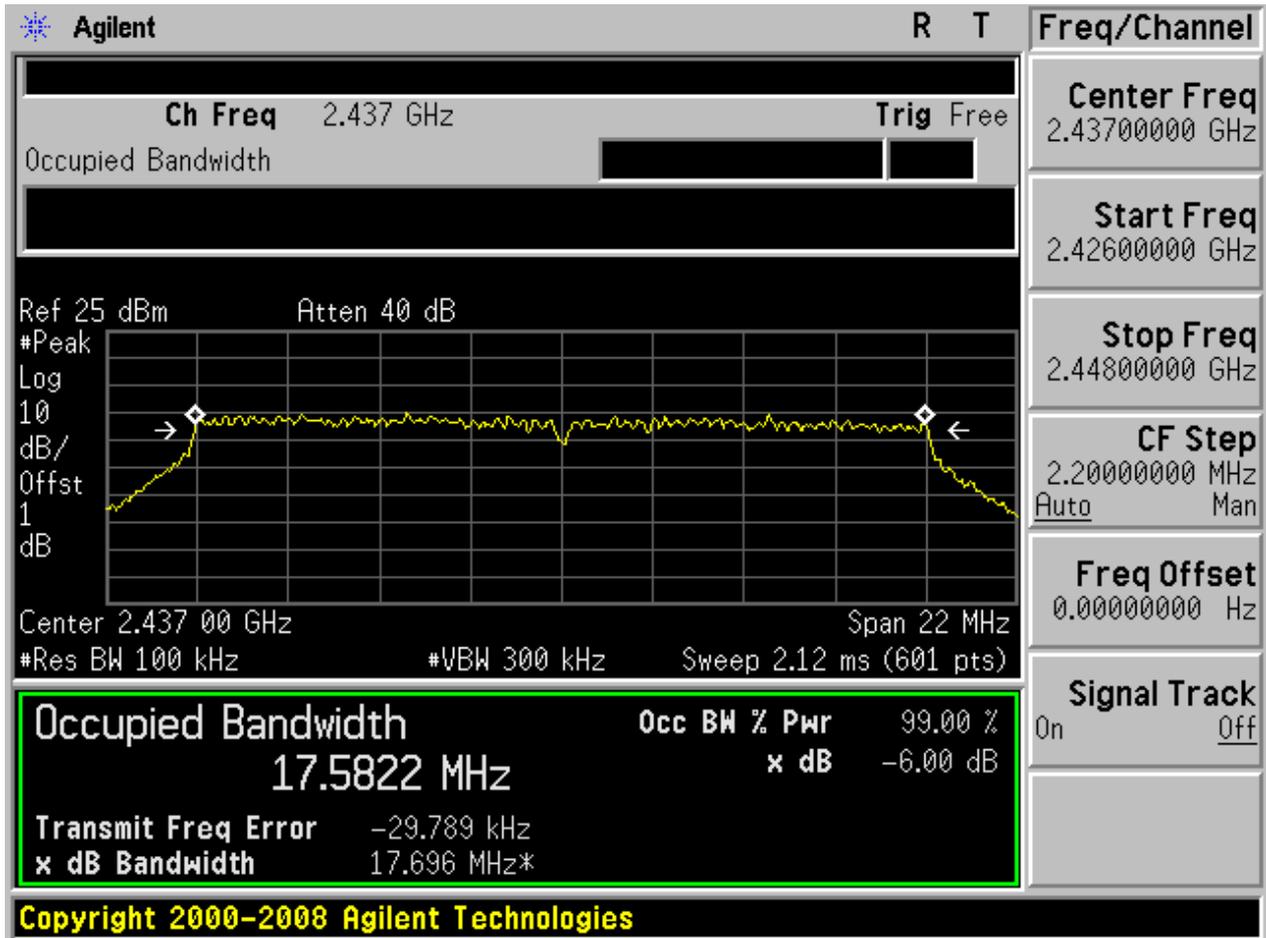


### 1.15 11N20\_M@Ant 1



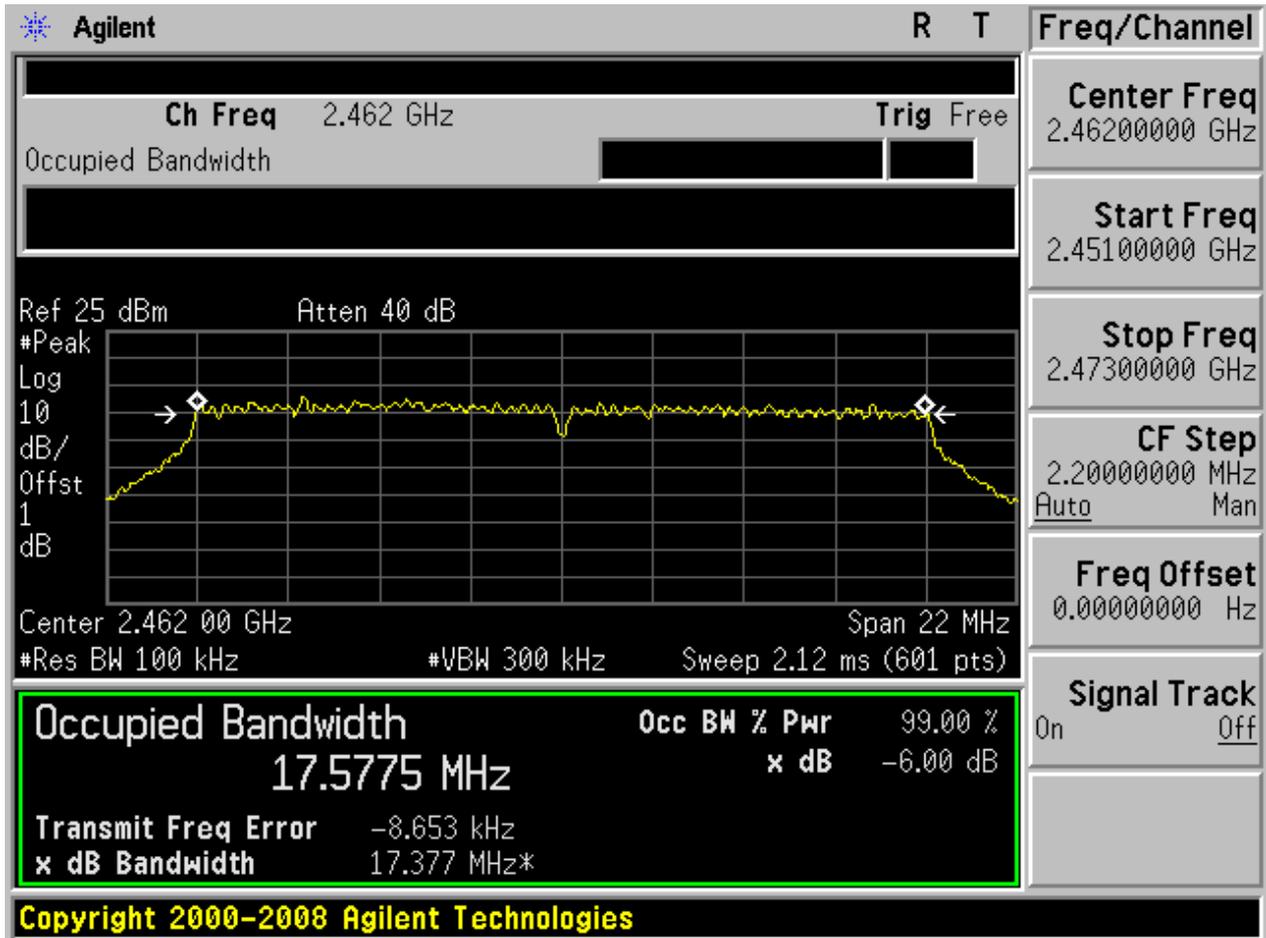


### 1.16 11N20\_M@Ant 2



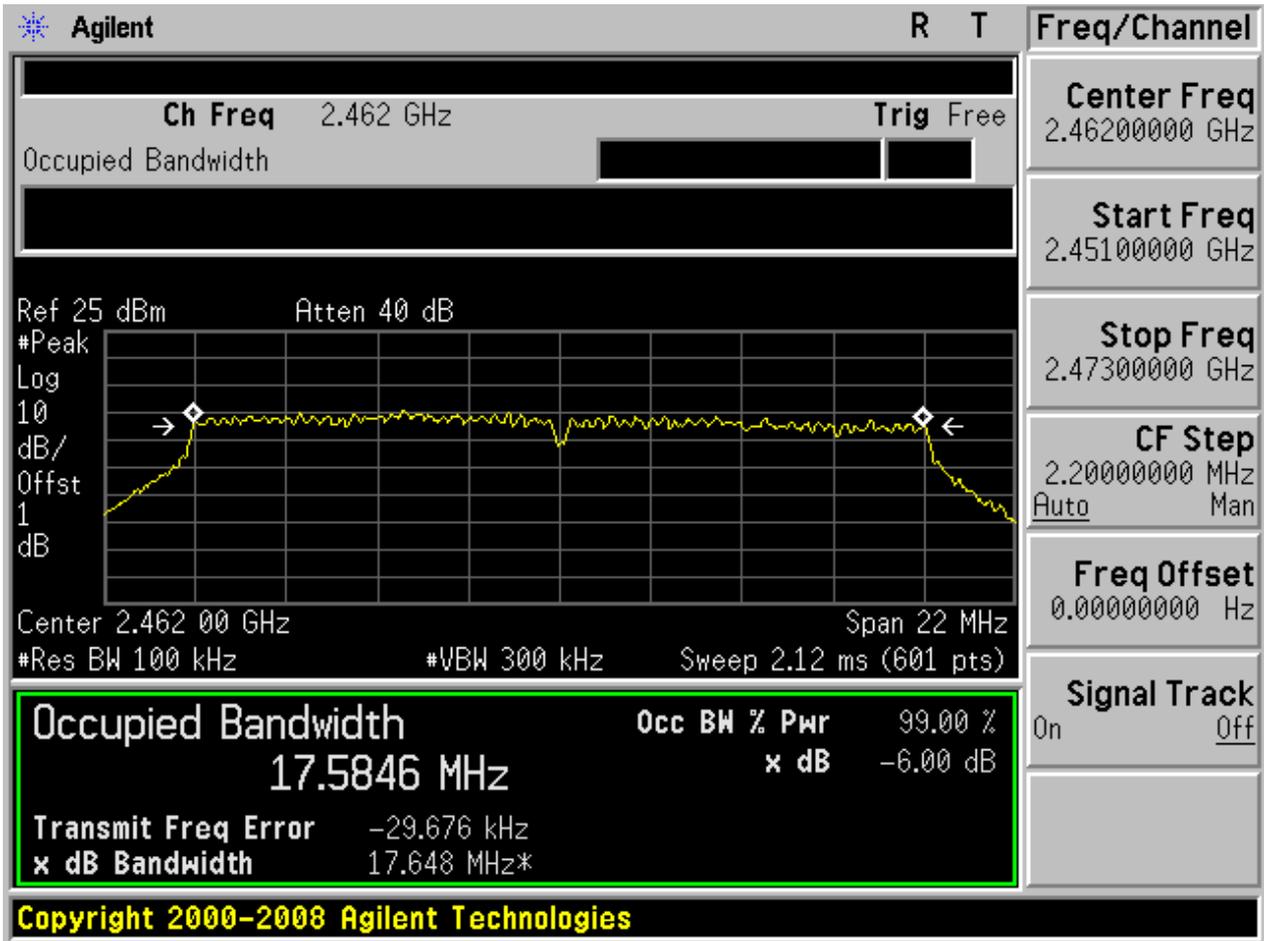


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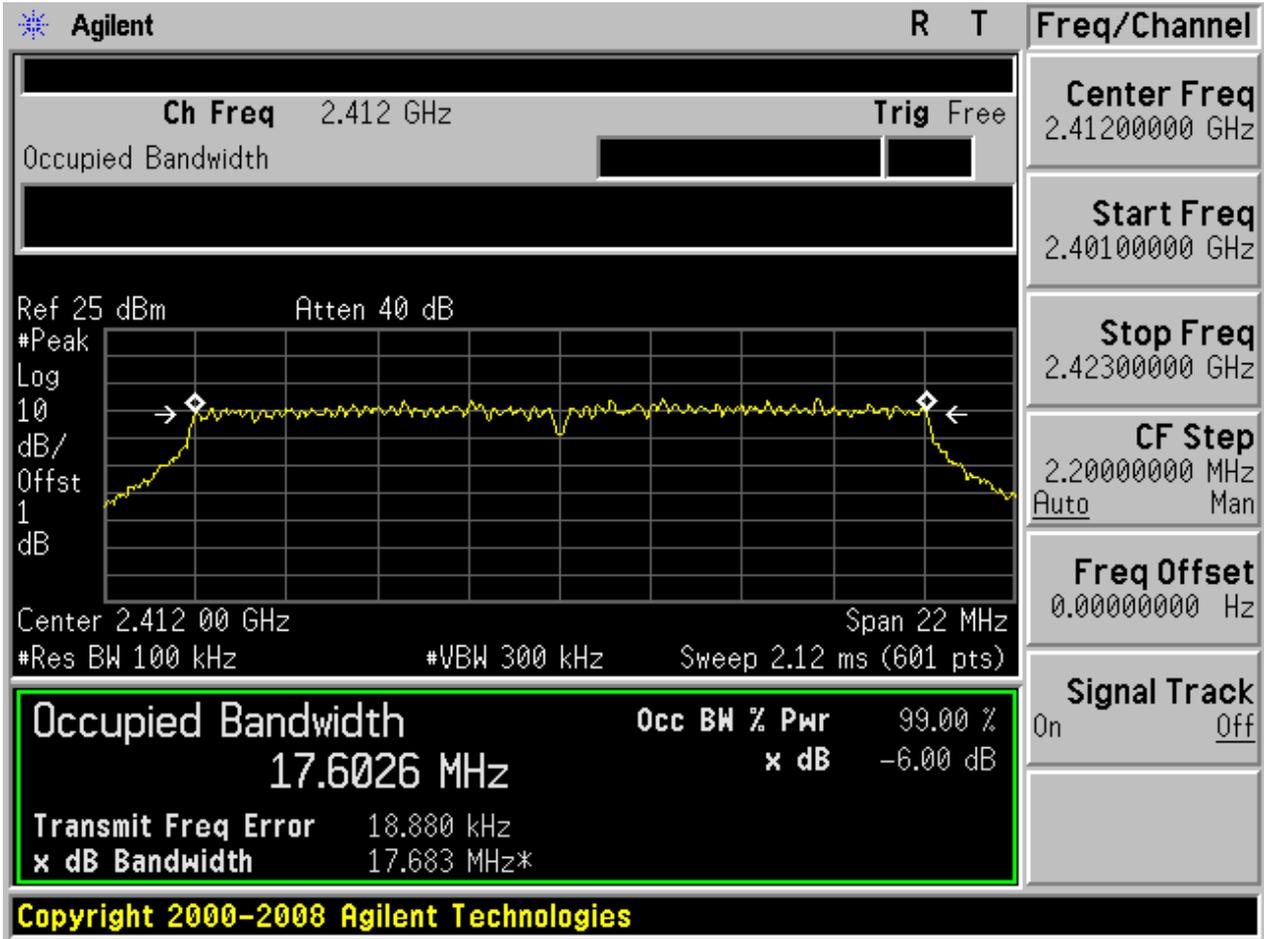


### 1.18 11N20\_H@Ant 2





### 1.19 11N20m\_L@Ant 1





### 1.20 11N20m\_L@Ant 2

Agilent		R	T	Freq/Channel	
Ch Freq 2.412 GHz		Trig Free		Center Freq 2.41200000 GHz	
Occupied Bandwidth				Start Freq 2.40100000 GHz	
Ref 25 dBm		Atten 40 dB		Stop Freq 2.42300000 GHz	
				CF Step 2.20000000 MHz Auto Man	
Center 2.412 00 GHz		Span 22 MHz		Freq Offset 0.00000000 Hz	
#Res BW 100 kHz		#VBW 300 kHz		Sweep 2.12 ms (601 pts)	
<b>Occupied Bandwidth</b> <b>17.5905 MHz</b>		<b>Occ BW % Pwr</b> <b>99.00 %</b>		<b>Signal Track</b> On Off	
<b>Transmit Freq Error</b> <b>8.769 kHz</b>		<b>x dB</b> <b>-6.00 dB</b>			
<b>x dB Bandwidth</b> <b>17.708 MHz*</b>					
Copyright 2000-2008 Agilent Technologies					

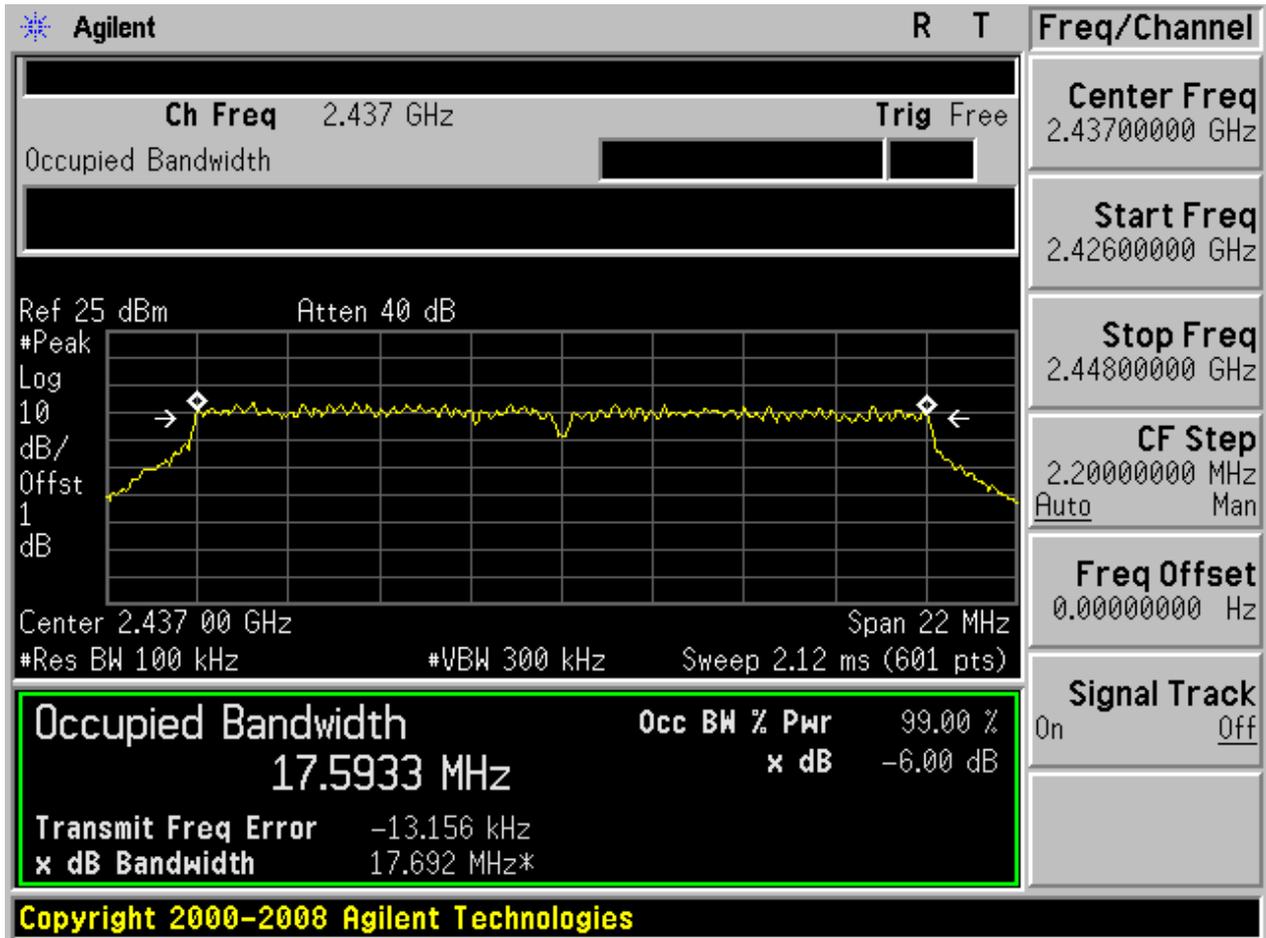


### 1.21 11N20m\_M@Ant 1

Agilent		R	T	Freq/Channel	
Ch Freq 2.437 GHz		Trig Free		Center Freq 2.43700000 GHz	
Occupied Bandwidth				Start Freq 2.42600000 GHz	
Ref 25 dBm		Atten 40 dB		Stop Freq 2.44800000 GHz	
				CF Step 2.20000000 MHz Auto Man	
Center 2.437 00 GHz		Span 22 MHz		Freq Offset 0.00000000 Hz	
#Res BW 100 kHz		#VBW 300 kHz		Sweep 2.12 ms (601 pts)	
<b>Occupied Bandwidth</b> <b>17.5970 MHz</b>		<b>Occ BW % Pwr</b> <b>99.00 %</b>		<b>Signal Track</b> On Off	
<b>Transmit Freq Error</b> <b>-17.235 kHz</b>		<b>x dB</b> <b>-6.00 dB</b>			
<b>x dB Bandwidth</b> <b>17.693 MHz*</b>					
Copyright 2000-2008 Agilent Technologies					

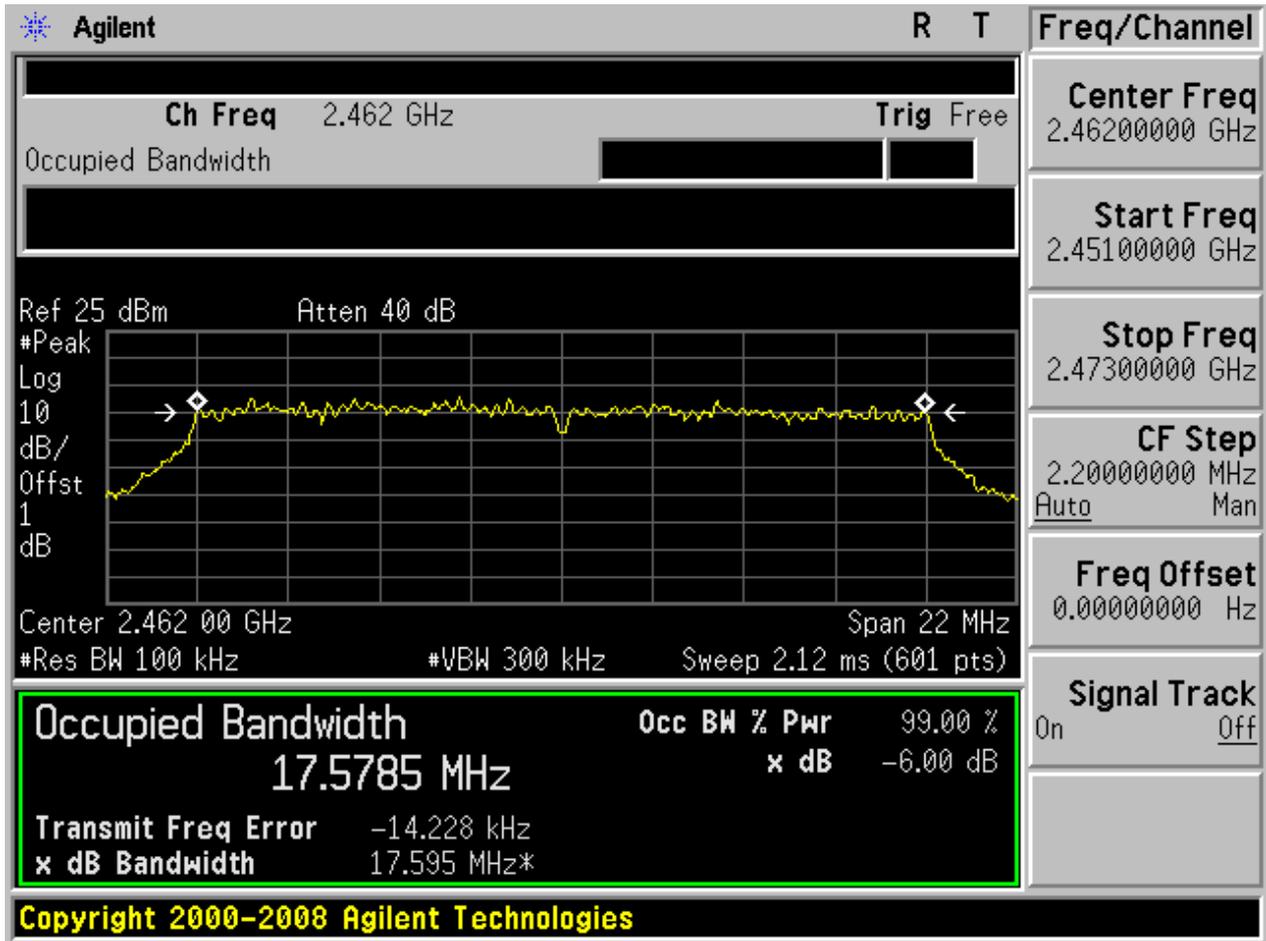


1.22 11N20m\_M@Ant 2



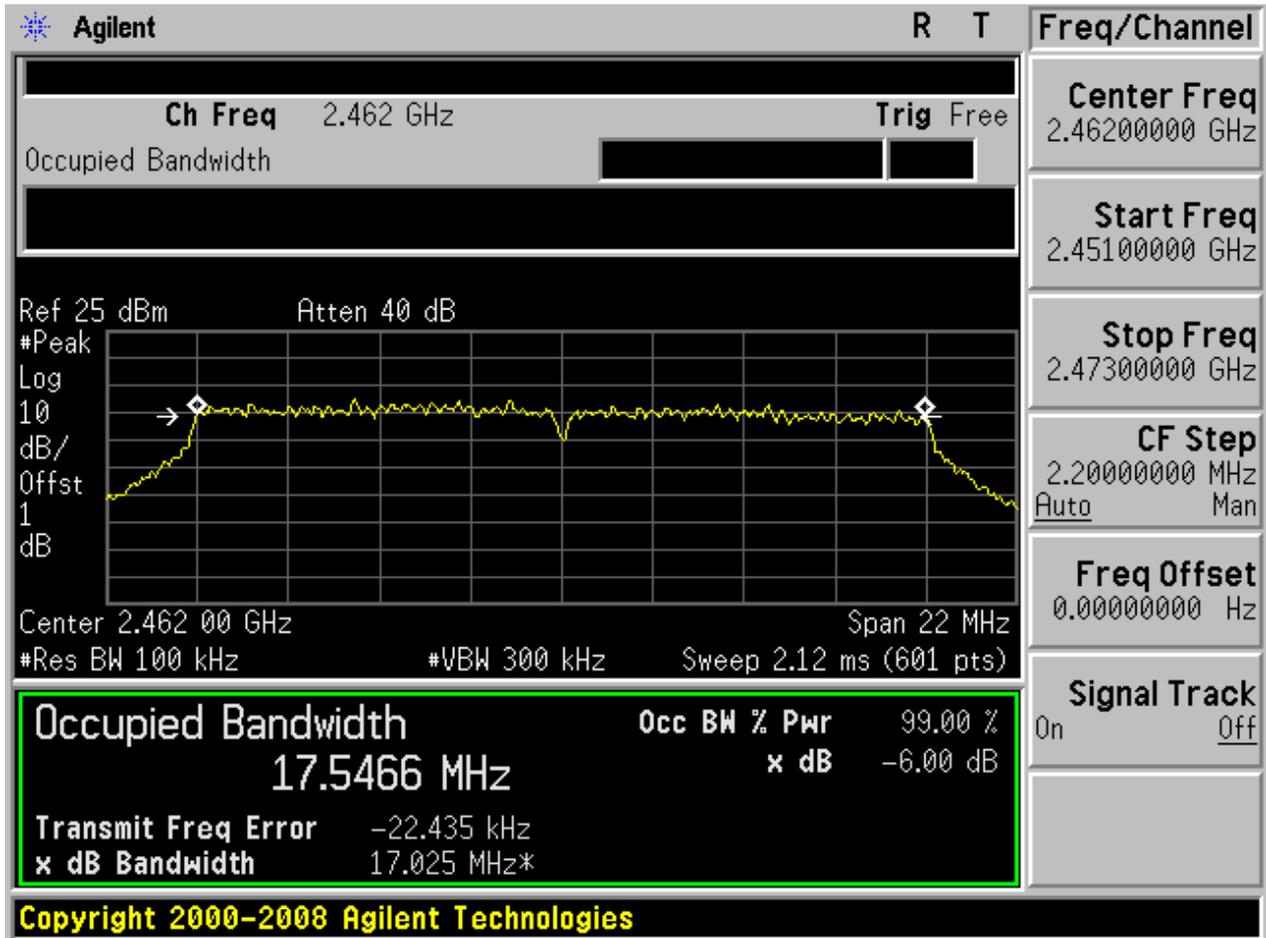


### 1.23 11N20m\_H@Ant 1



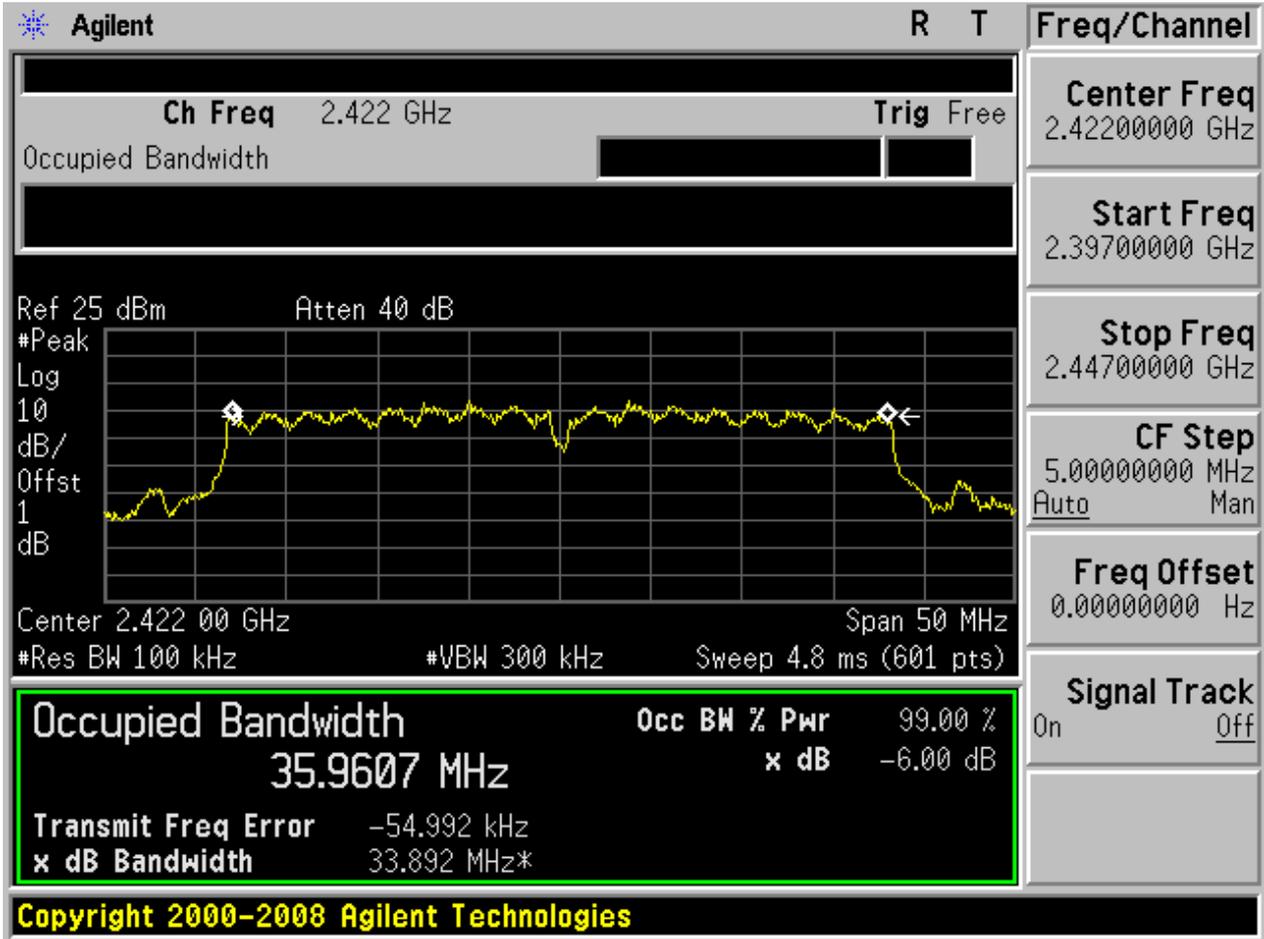


### 1.24 11N20m\_H@Ant 2



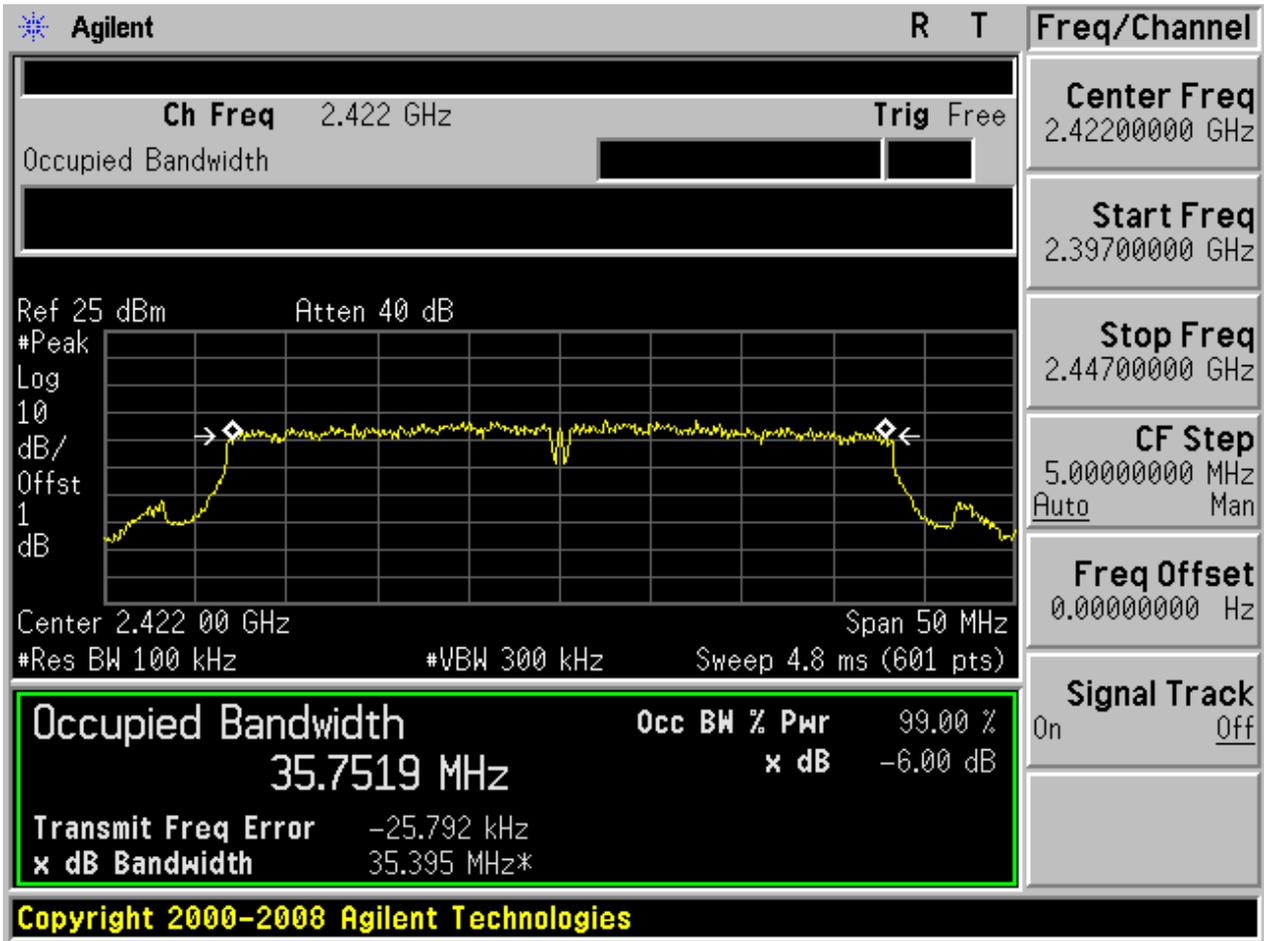


### 1.25 11N40\_L@Ant 1



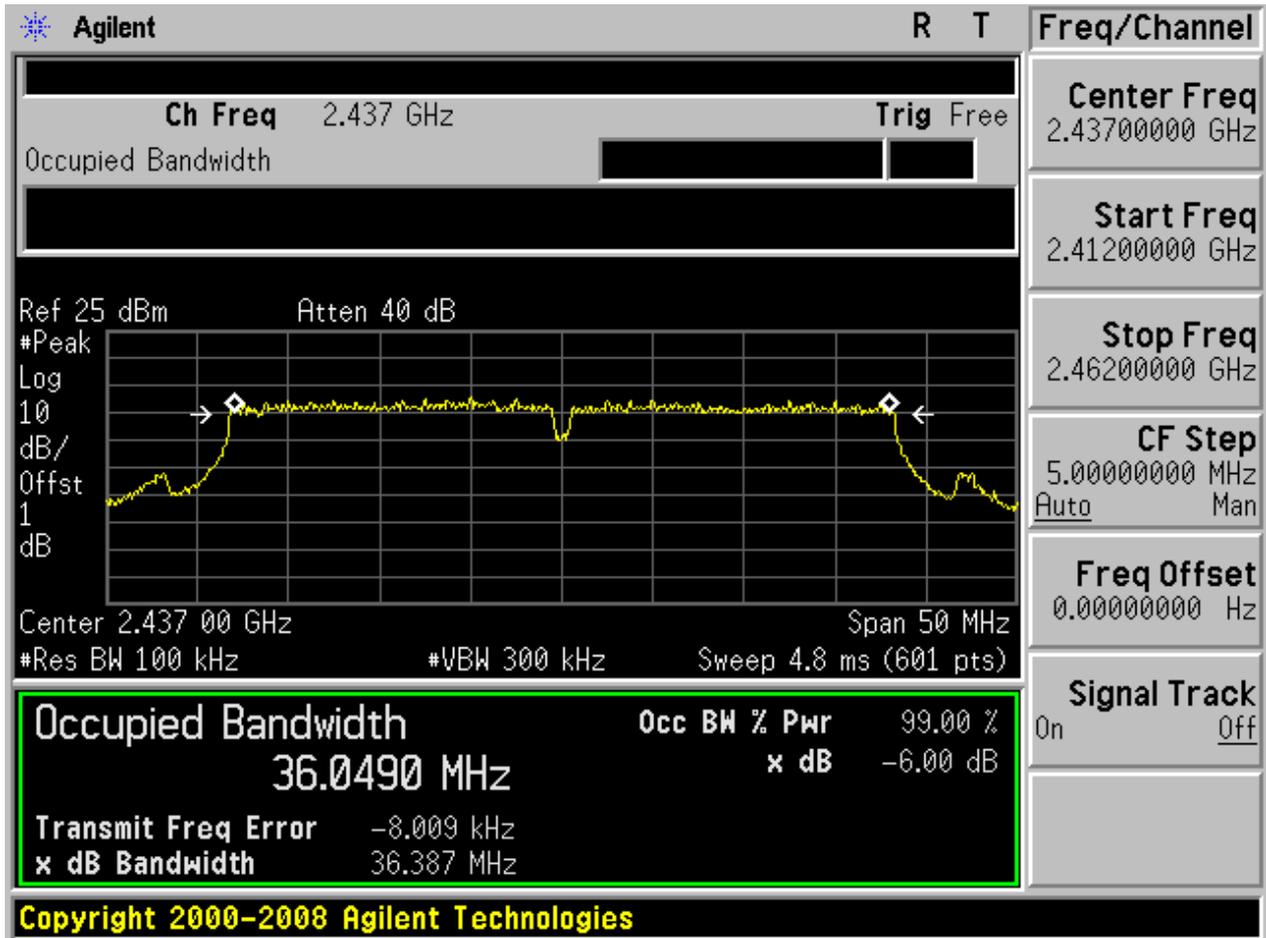


### 1.26 11N40\_L@Ant 2



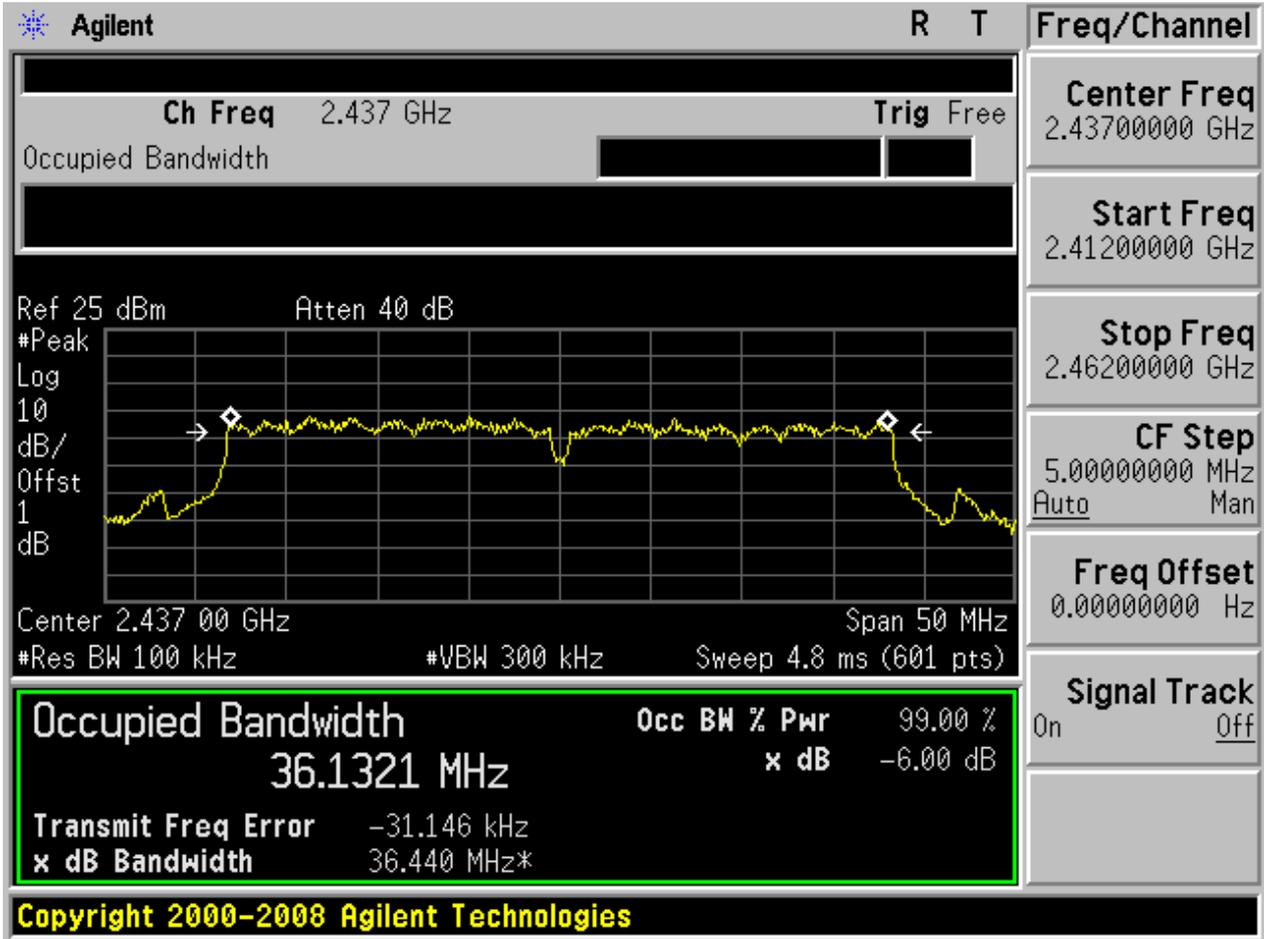


### 1.27 11N40\_M@Ant 1



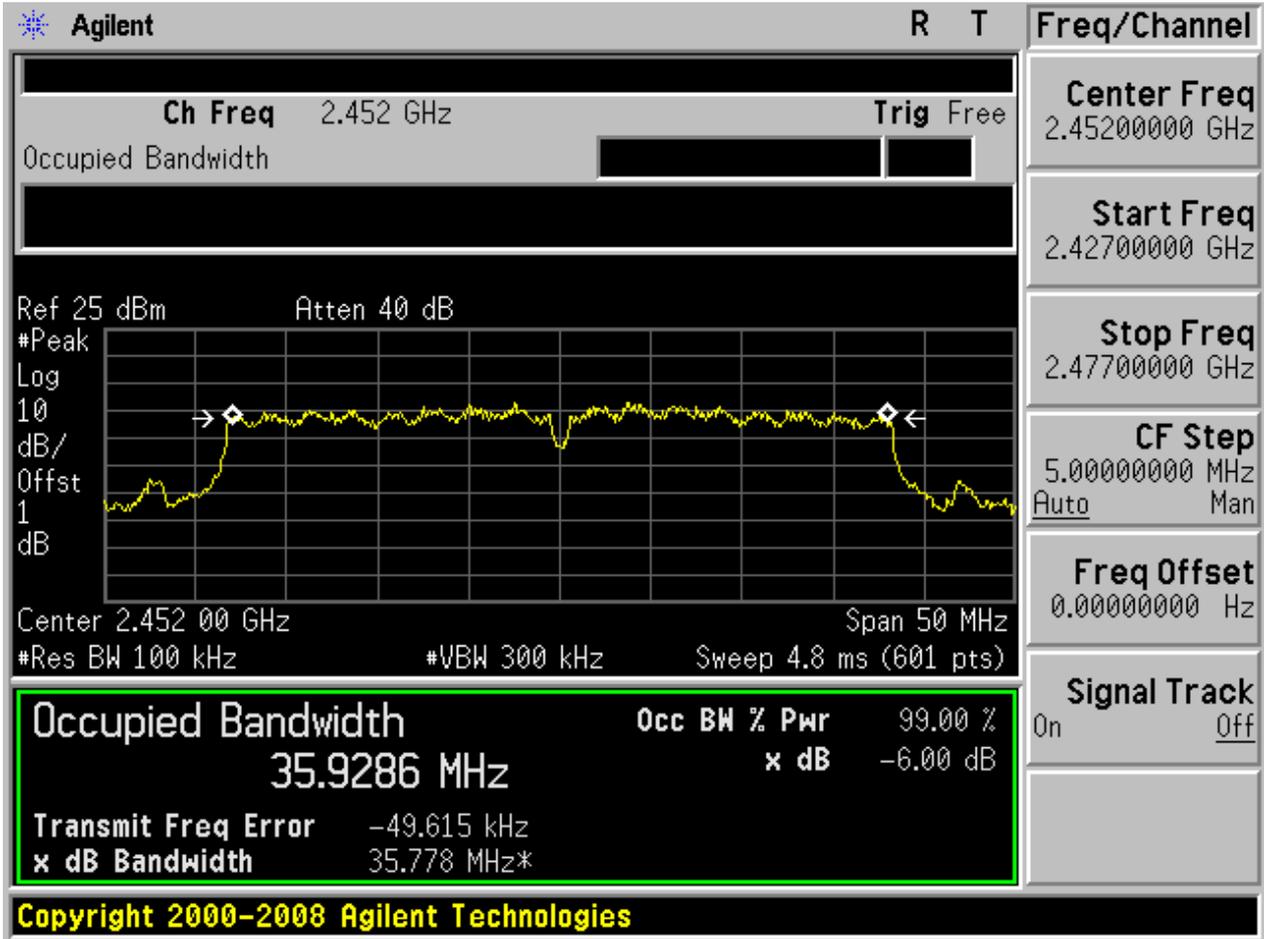


### 1.28 11N40\_M@Ant 2



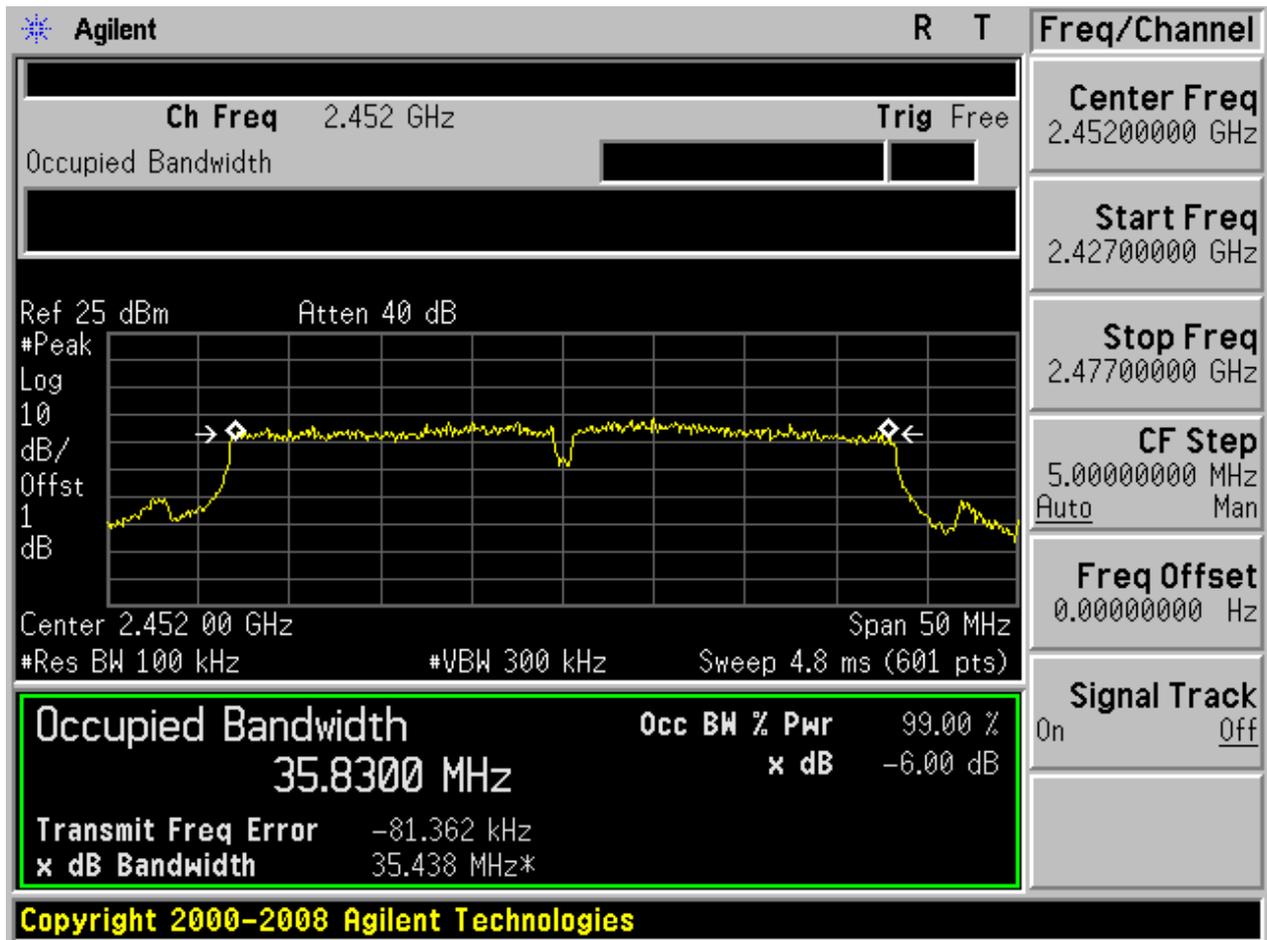


### 1.29 11N40\_H@Ant 1



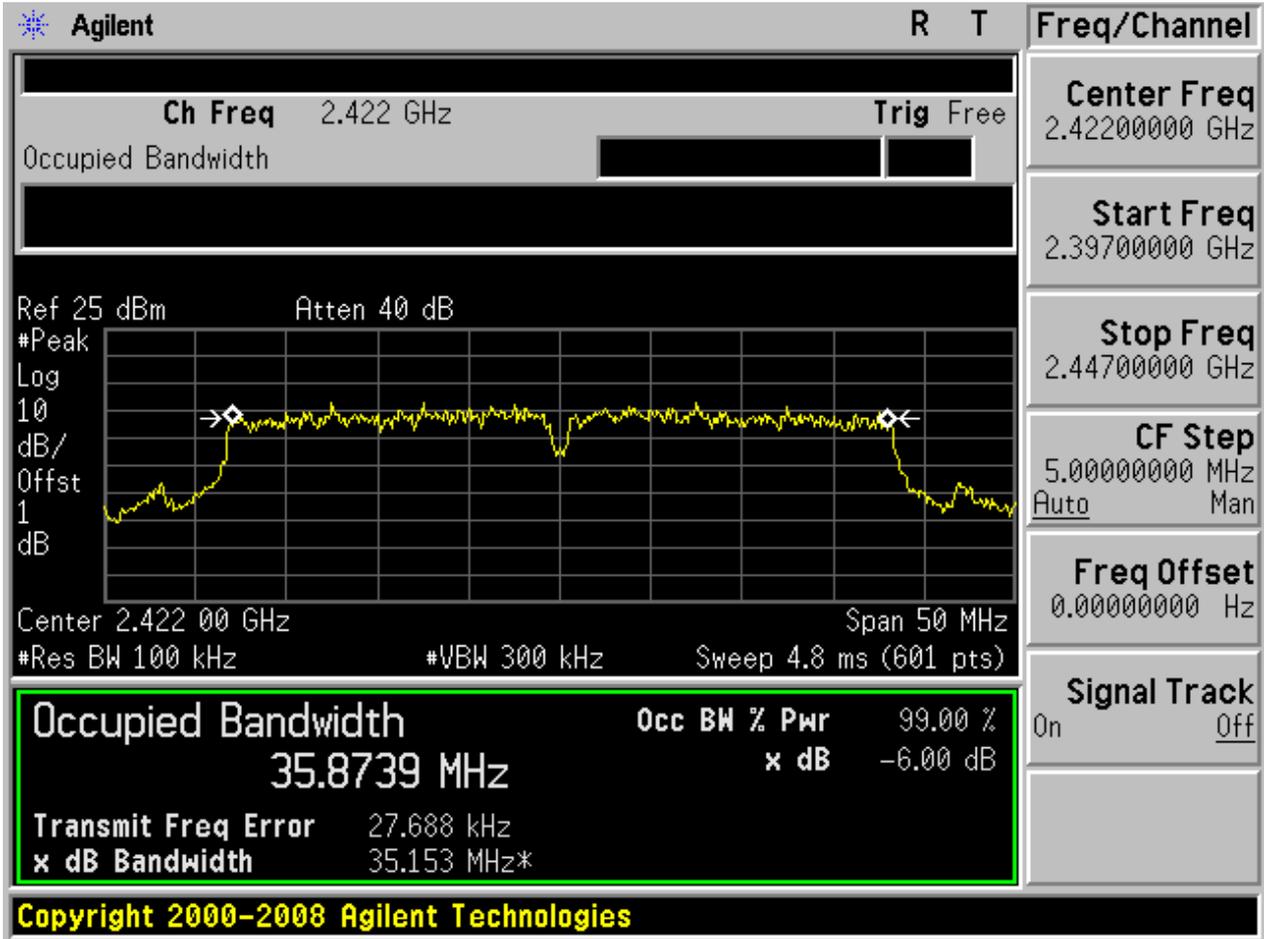


### 1.30 11N40\_H@Ant 2



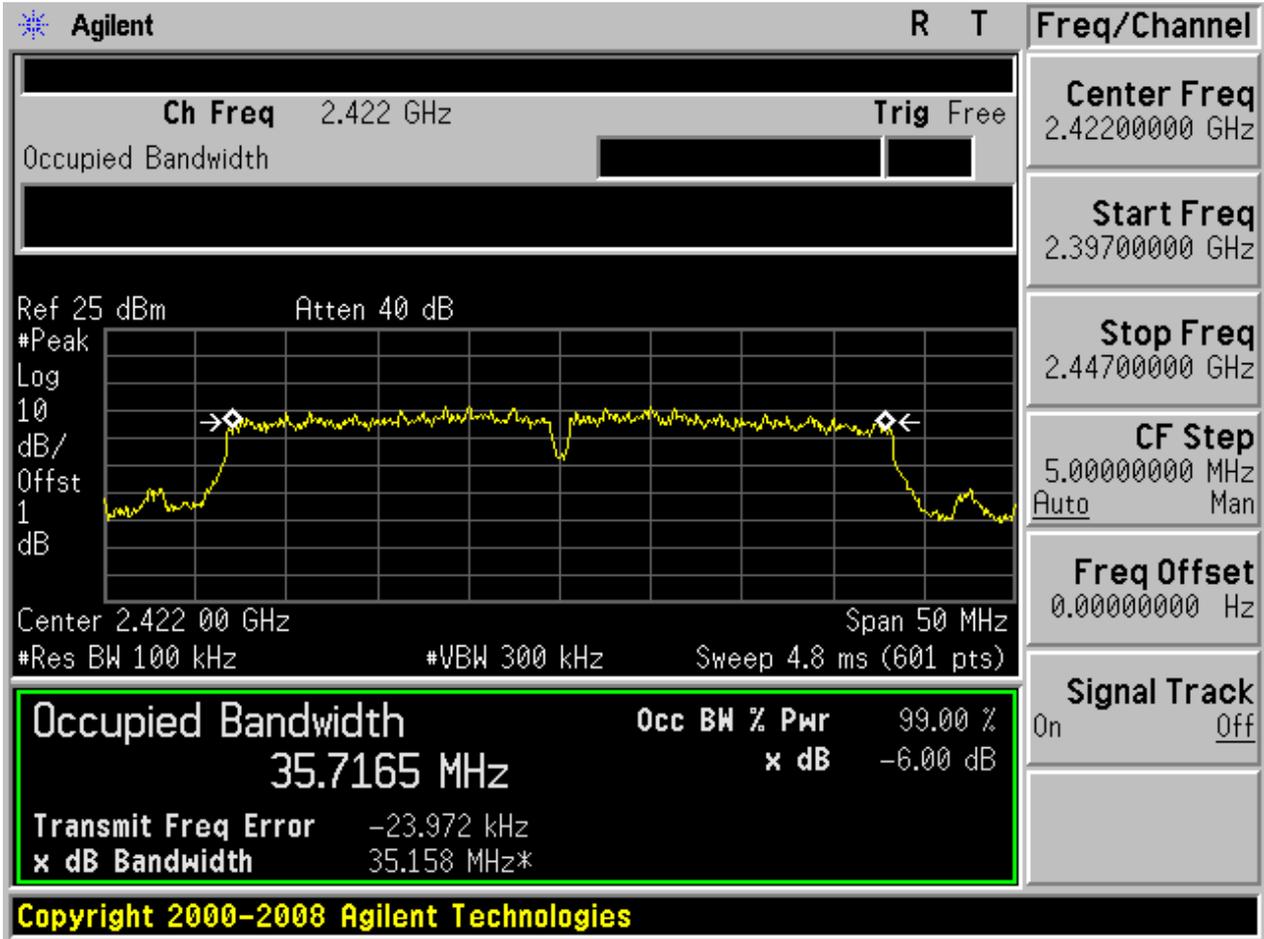


### 1.31 11N40m\_L@Ant 1



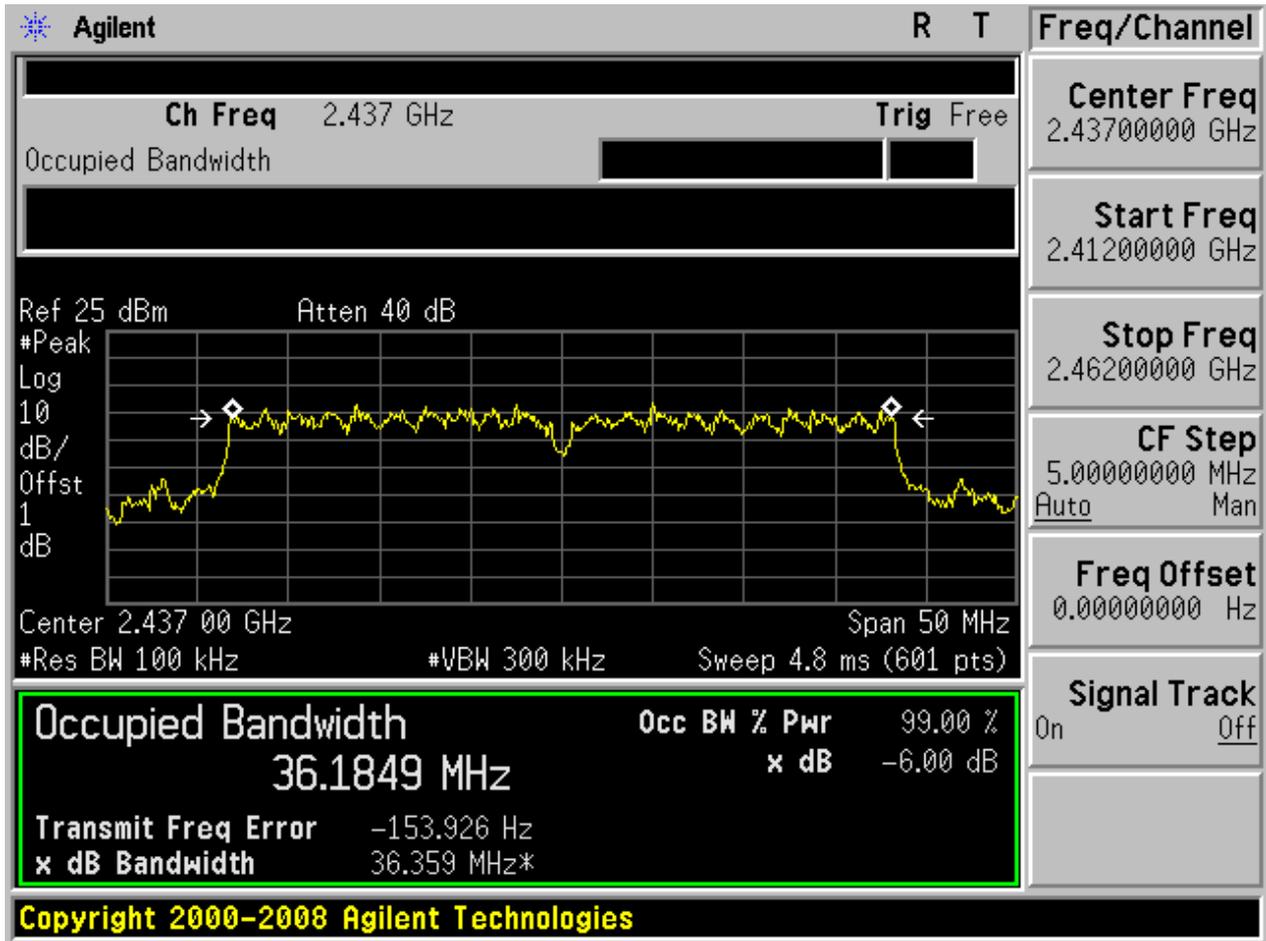


### 1.32 11N40m\_L@Ant 2



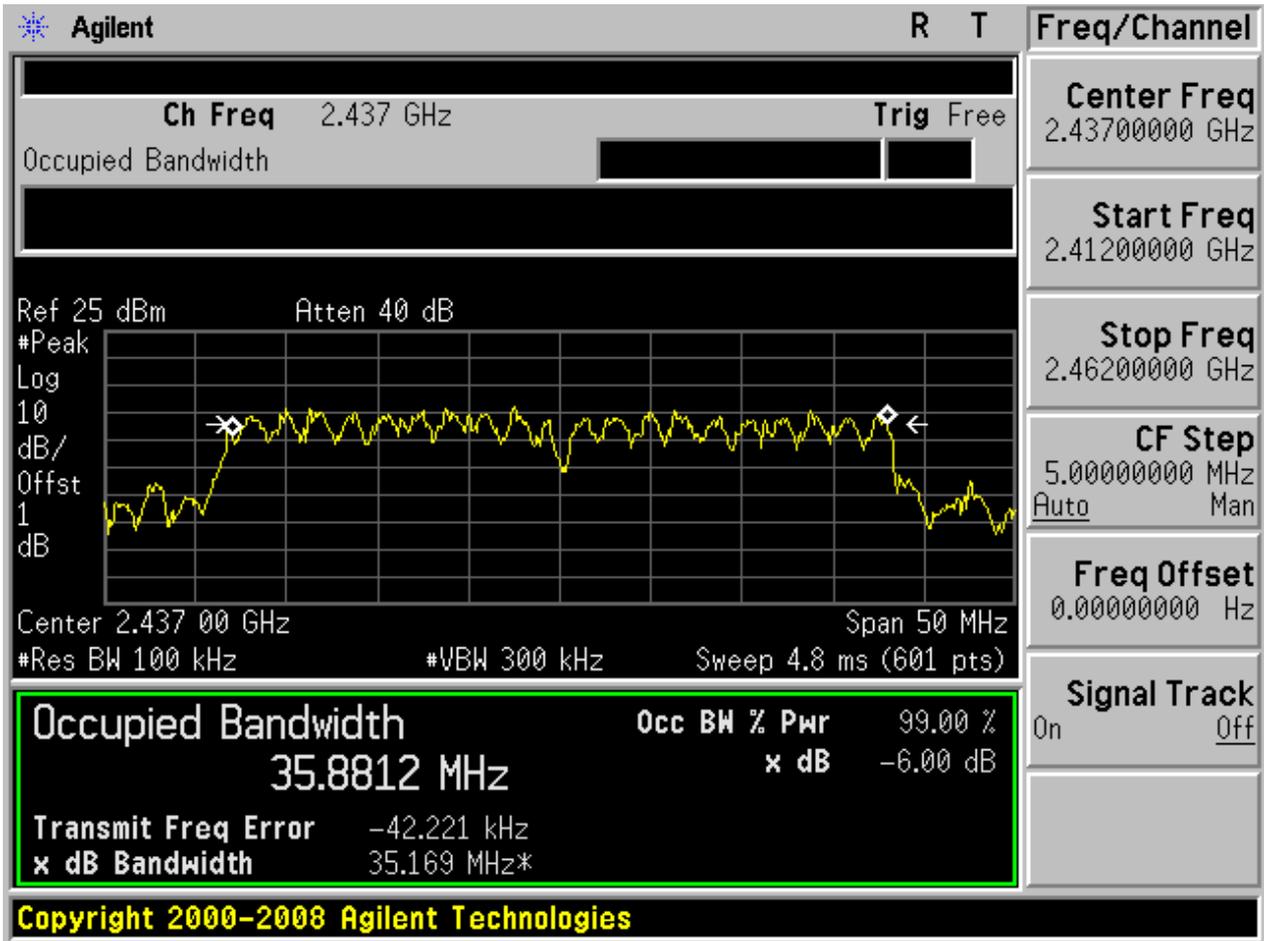


### 1.34 11N40m\_M@Ant 1



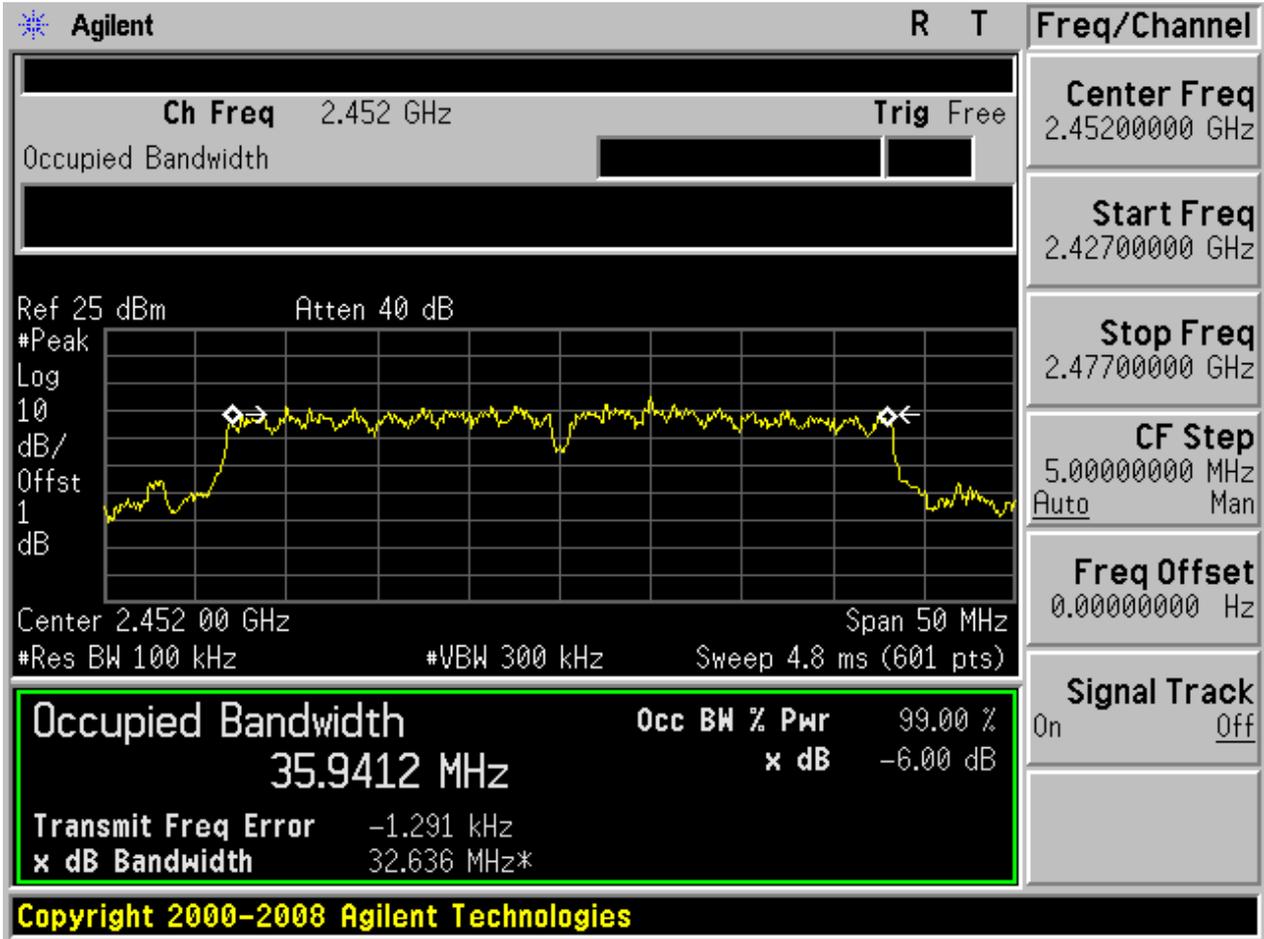


### 1.33 11N40m\_M@Ant 2



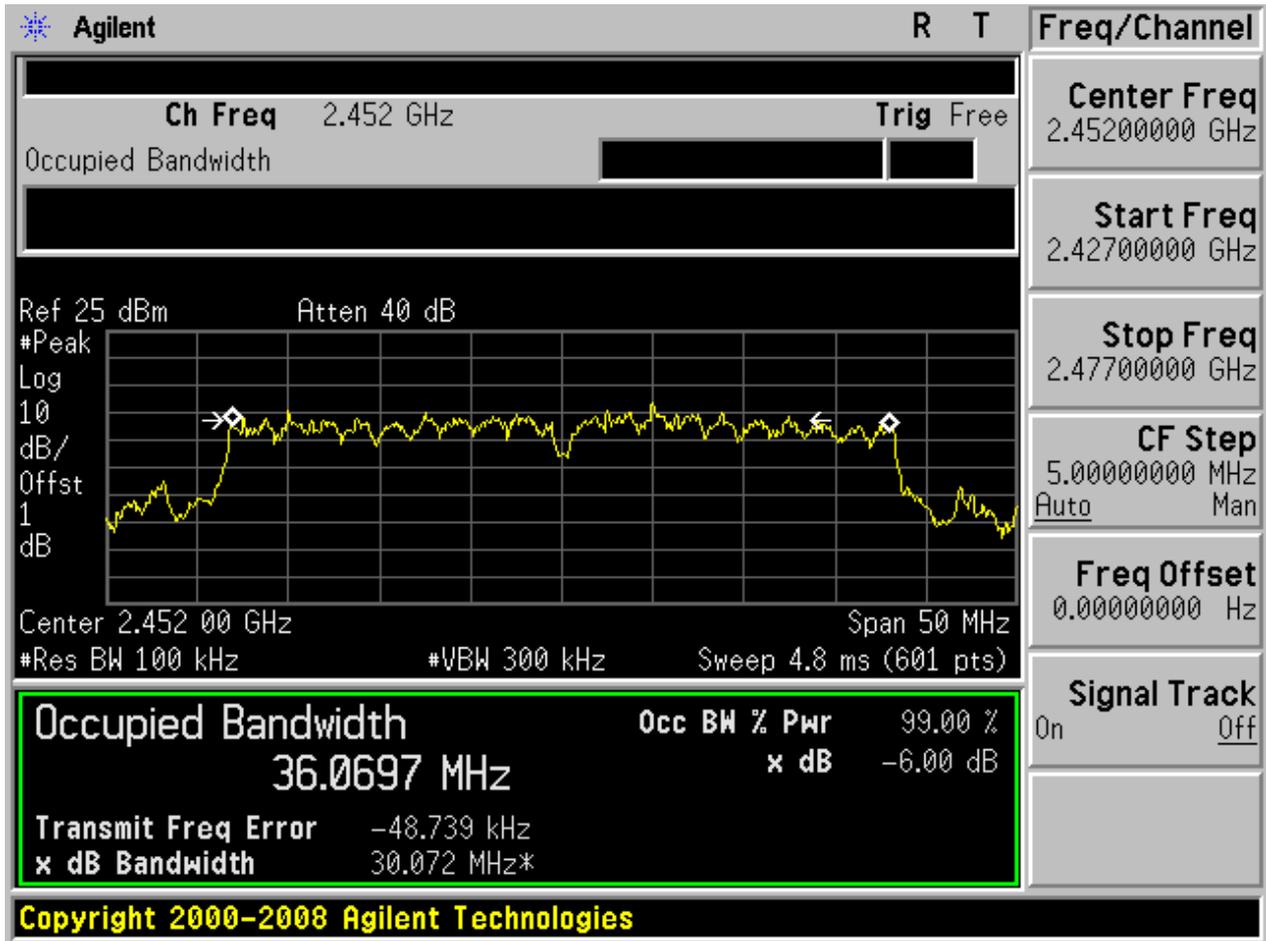


### 1.35 11N40m\_H@Ant 1





### 1.36 11N40m\_H@Ant 2





## Appendix B: Maximum Peak Conducted Output Power

### Part I - Test Results

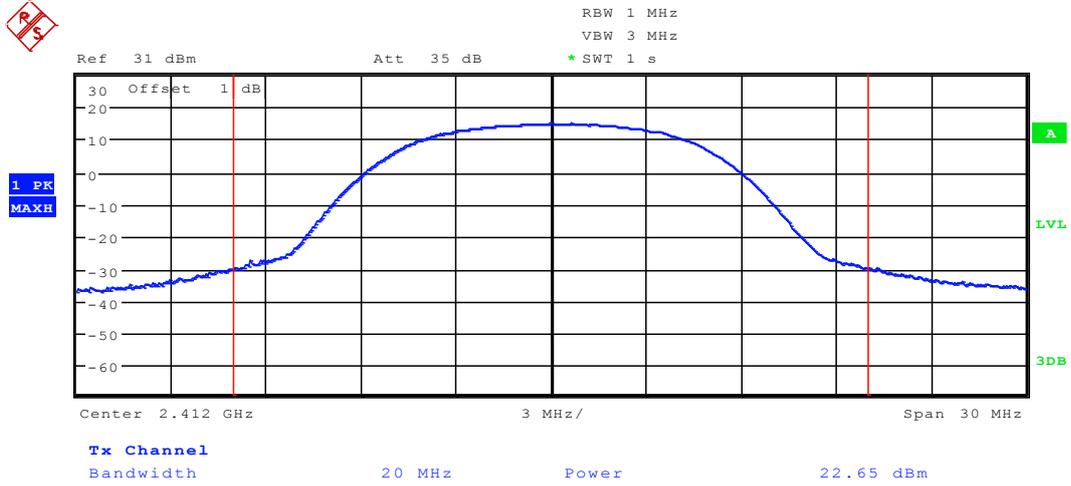
Test Mode	Test Channel	Frequency[MHz]	Ant	Meas. Level (Cond.) [dBm]	Verdict
11B	L	2412	Ant 1	22.65	pass
11B	L	2412	Ant 2	23.31	pass
11B	M	2437	Ant 1	22.88	pass
11B	M	2437	Ant 2	23.89	pass
11B	H	2462	Ant 1	23.33	pass
11B	H	2462	Ant 2	24.24	pass
11G	L	2412	Ant 1	23.00	pass
11G	L	2412	Ant 2	24.34	pass
11G	M	2437	Ant 1	23.29	pass
11G	M	2437	Ant 2	24.08	pass
11G	H	2462	Ant 1	23.56	pass
11G	H	2462	Ant 2	24.33	pass
11N20	L	2412	Ant 1	21.94	pass
11N20	L	2412	Ant 2	22.89	pass
11N20	M	2437	Ant 1	22.11	pass
11N20	M	2437	Ant 2	23.02	pass
11N20	H	2462	Ant 1	22.30	pass
11N20	H	2462	Ant 2	23.57	pass
11N20m	L	2412	Ant 1	22.14	pass
11N20m	L	2412	Ant 2	22.86	pass
11N20m	L	2412	Sum	25.53	pass
11N20m	M	2437	Ant 1	22.73	pass
11N20m	M	2437	Ant 2	23.34	pass
11N20m	M	2437	Sum	26.06	pass
11N20m	H	2462	Ant 1	22.64	pass
11N20m	H	2462	Ant 2	23.55	pass
11N20m	H	2462	Sum	26.13	pass
11N40	L	2422	Ant 1	22.40	pass
11N40	L	2422	Ant 2	23.41	pass
11N40	M	2437	Ant 1	22.30	pass
11N40	M	2437	Ant 2	23.28	pass
11N40	H	2452	Ant 1	21.99	pass
11N40	H	2452	Ant 2	23.48	pass
11N40m	L	2422	Ant 1	22.83	pass
11N40m	L	2422	Ant 2	24.40	pass



Test Mode	Test Channel	Frequency[MHz]	Ant	Meas. Level (Cond.) [dBm]	Verdict
11N40m	L	2422	Sum	26.70	pass
11N40m	M	2437	Ant 1	22.29	pass
11N40m	M	2437	Ant 2	24.29	pass
11N40m	M	2437	Sum	26.41	pass
11N40m	H	2452	Ant 1	22.61	pass
11N40m	H	2452	Ant 2	23.51	pass
11N40m	H	2452	Sum	26.09	pass

## Part II - Test Plots

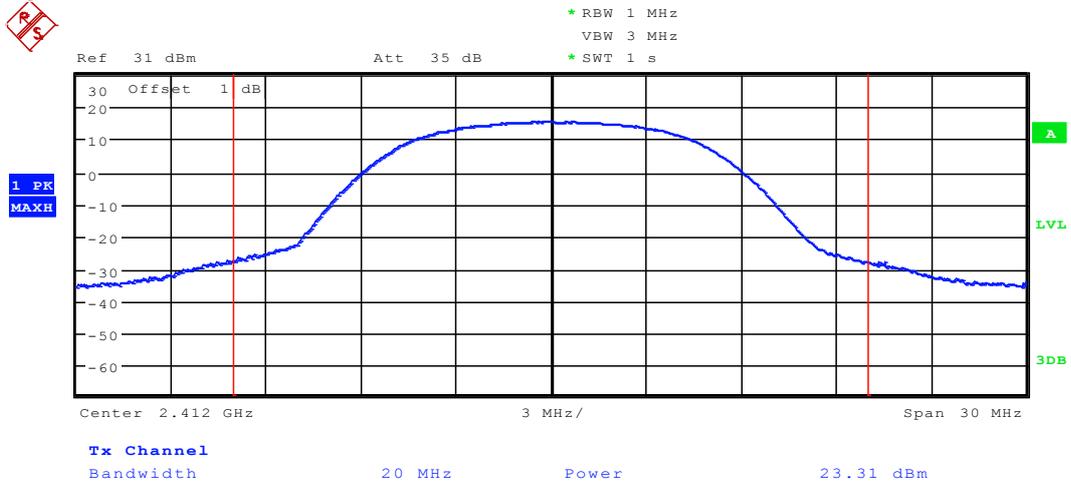
### 1.1 11B\_L@Ant 1



Date: 30.MAY.2013 10:17:53



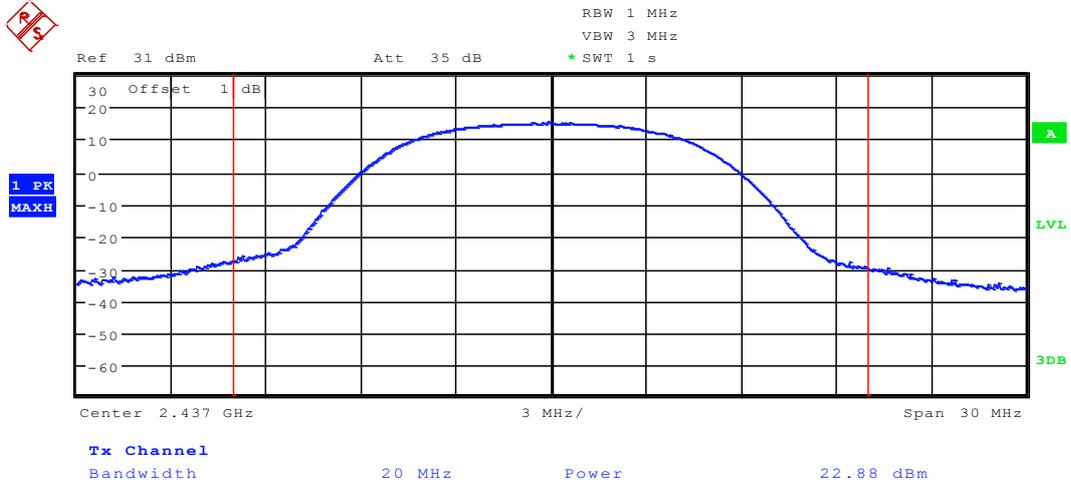
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Date: 30.MAY.2013 10:53:34



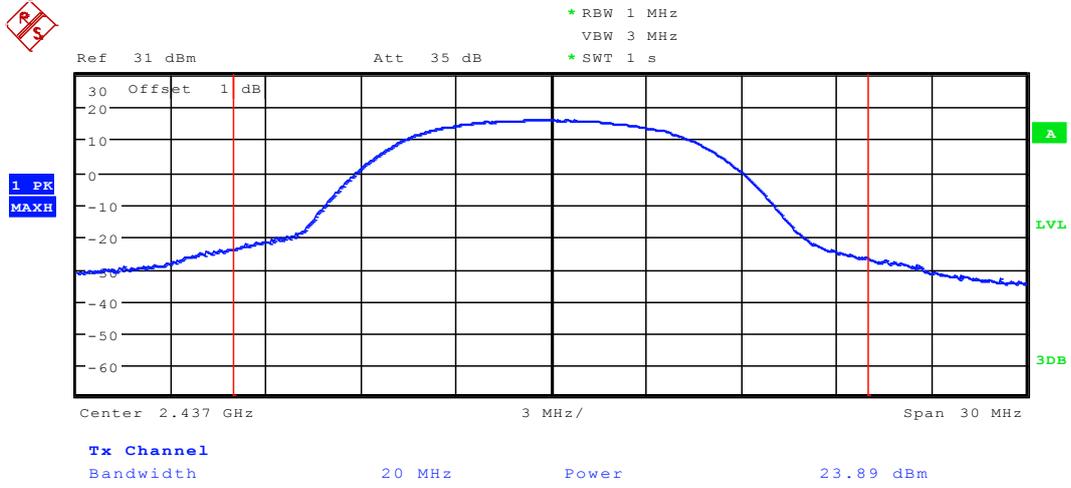
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Date: 30.MAY.2013 10:17:13



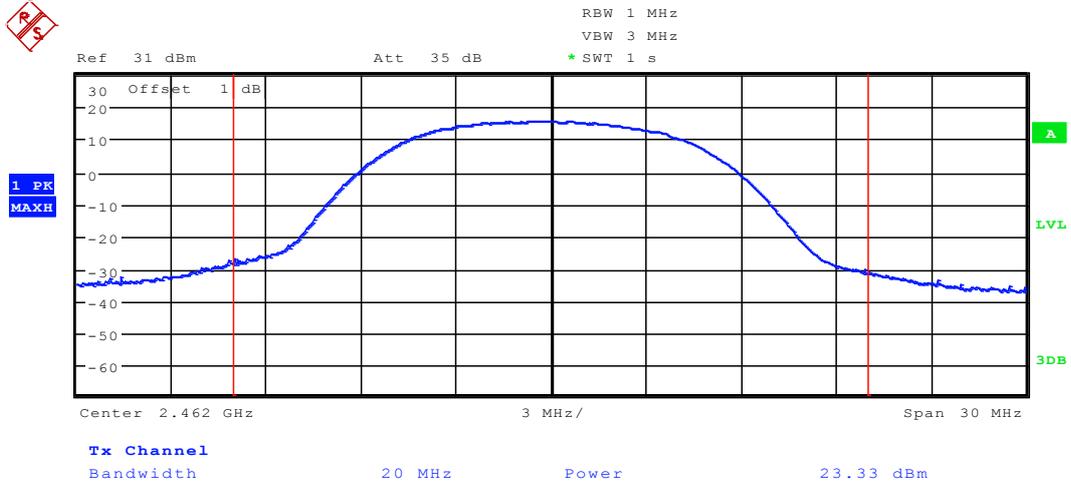
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Date: 30.MAY.2013 10:54:15



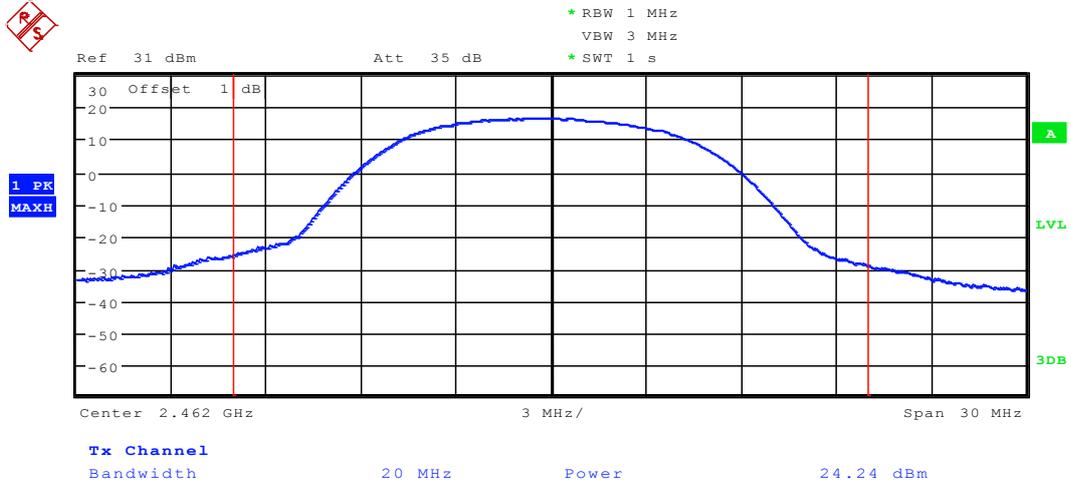
### 1.5 11B\_H@Ant 1



Date: 30.MAY.2013 10:19:07



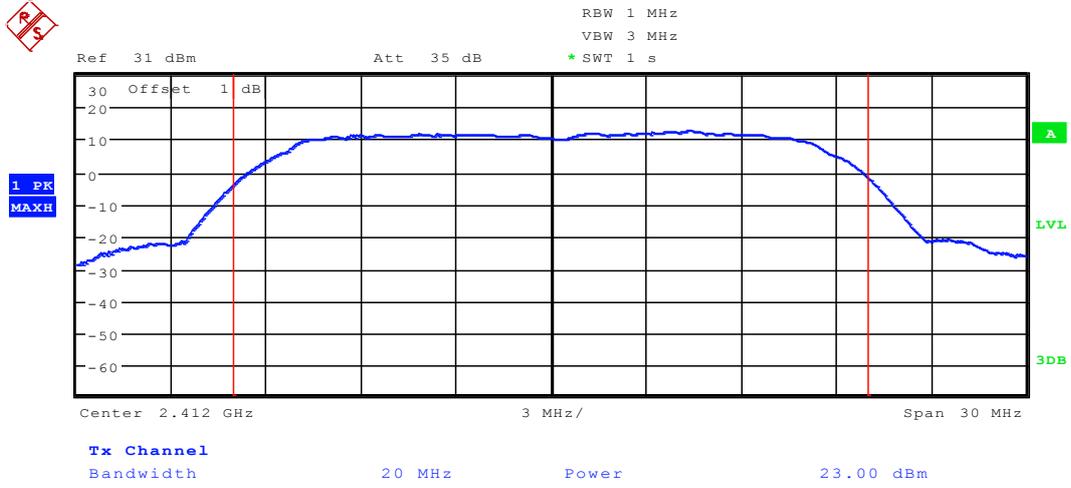
### 1.6 11B\_H@Ant 2



Date: 30.MAY.2013 10:56:47



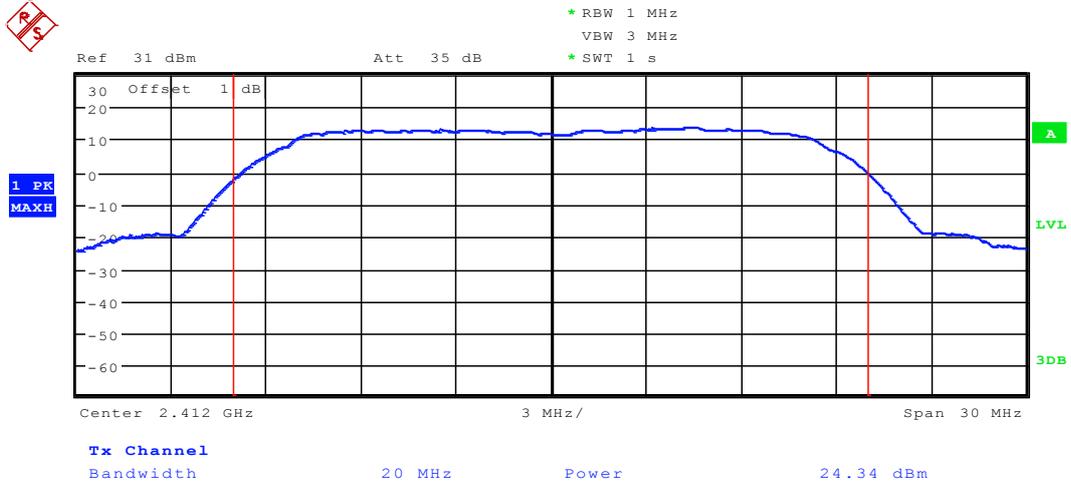
### 1.7 11G\_L@Ant 1



Date: 30.MAY.2013 10:29:03



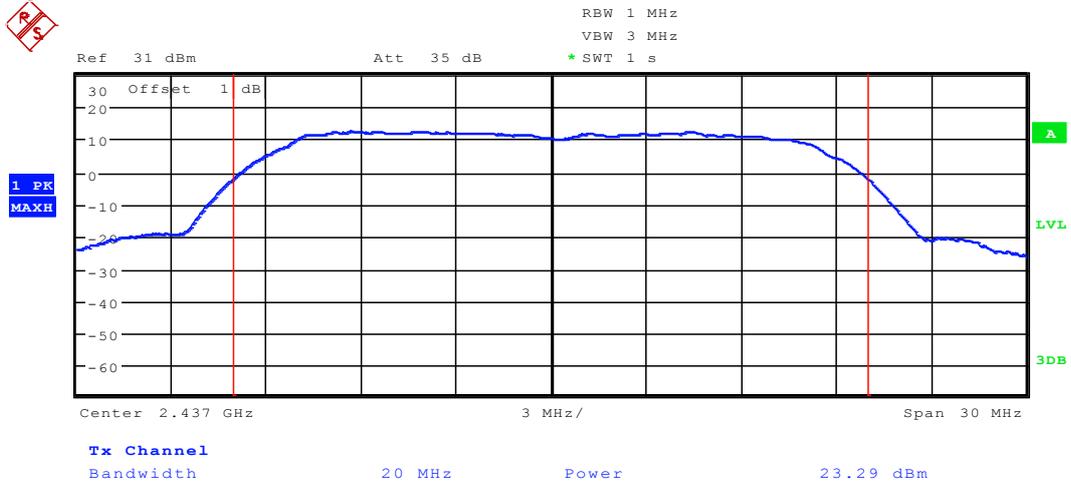
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Date: 30.MAY.2013 11:00:39



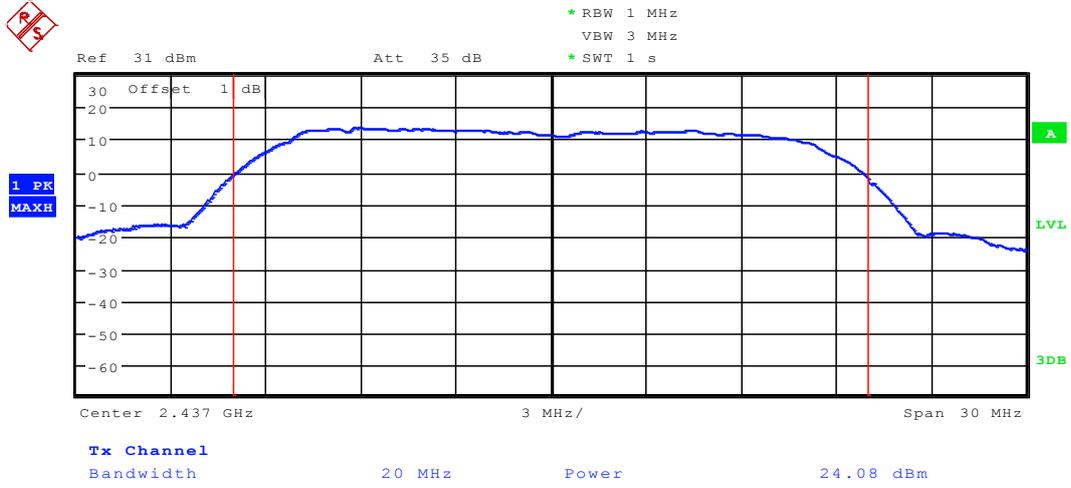
### 1.9 11G\_M@Ant 1



Date: 30.MAY.2013 10:26:55



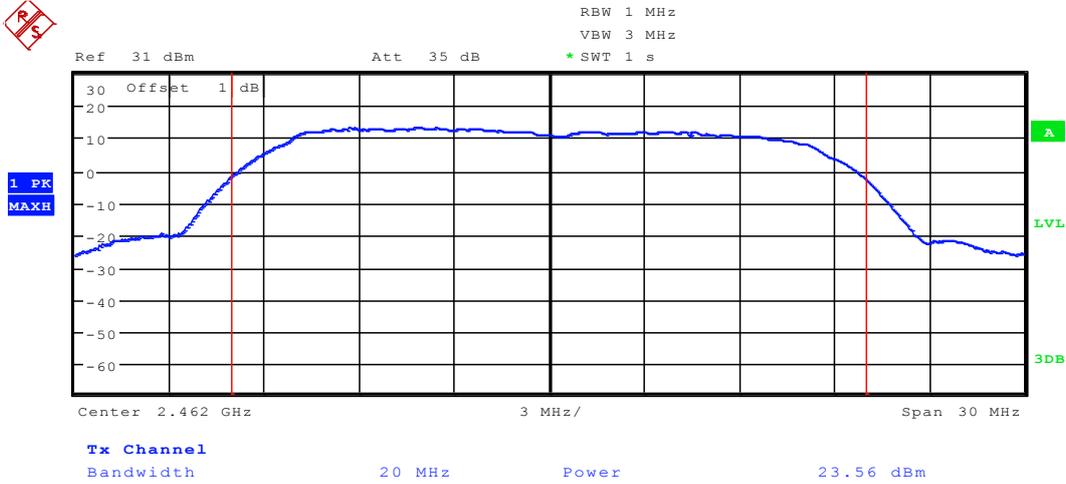
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Date: 30.MAY.2013 11:02:01



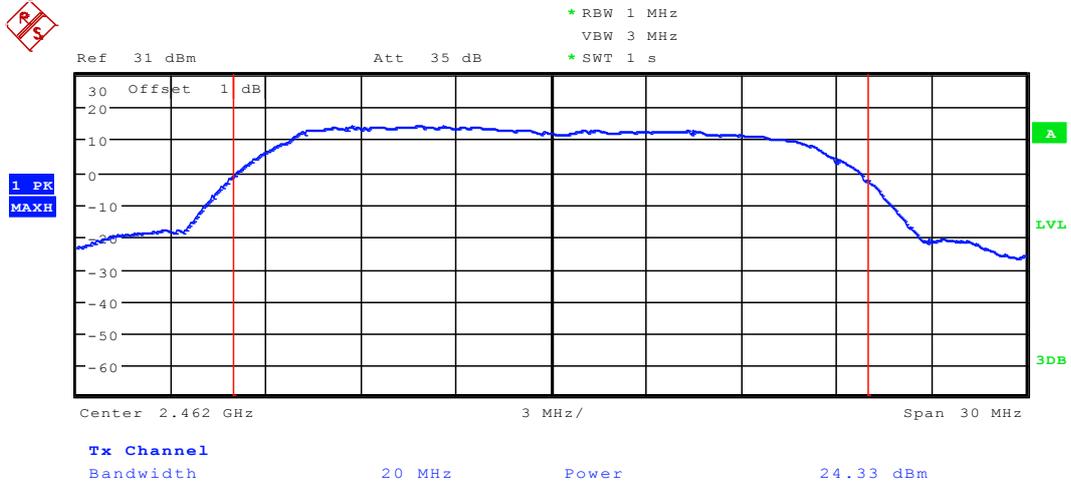
### 1.11 11G\_H@Ant 1



Date: 30.MAY.2013 10:30:42



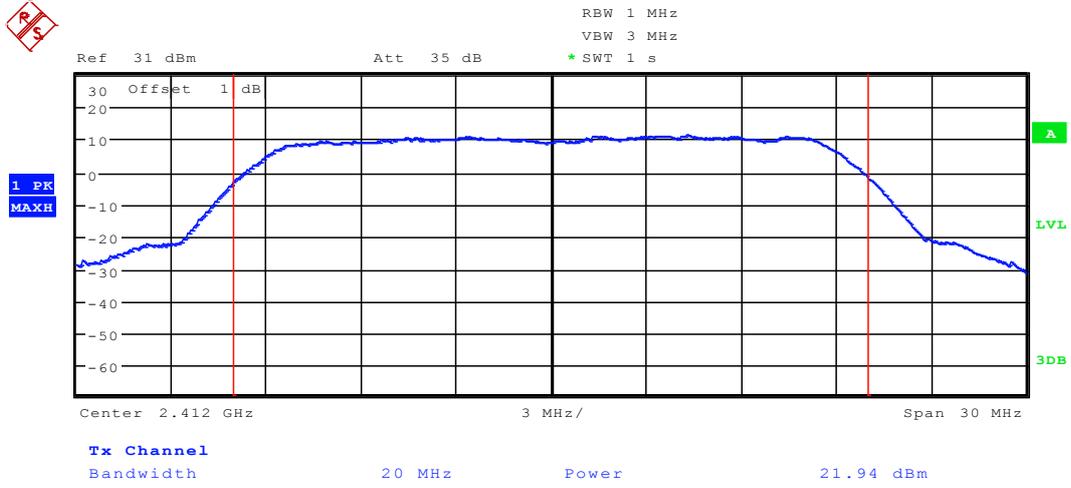
### 1.12 11G\_H@Ant 2



Date: 30.MAY.2013 11:03:00



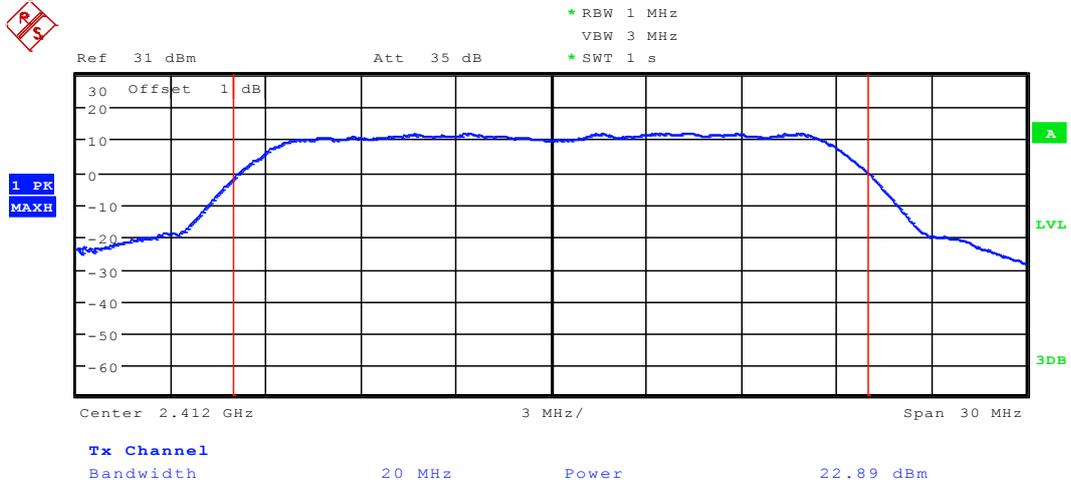
### 1.13 11N20\_L@Ant 1



Date: 30.MAY.2013 10:32:35



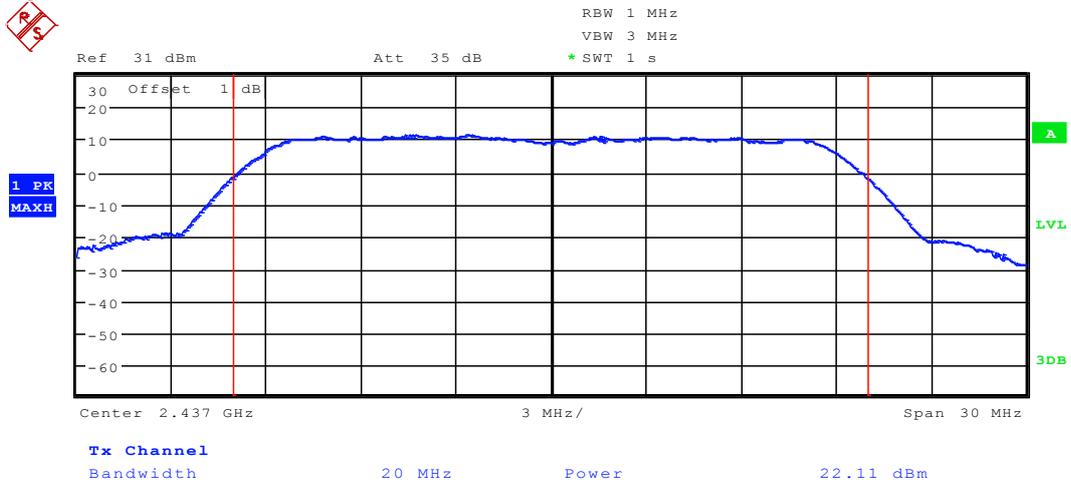
### 1.14 11N20\_L@Ant 2



Date: 30.MAY.2013 11:04:55



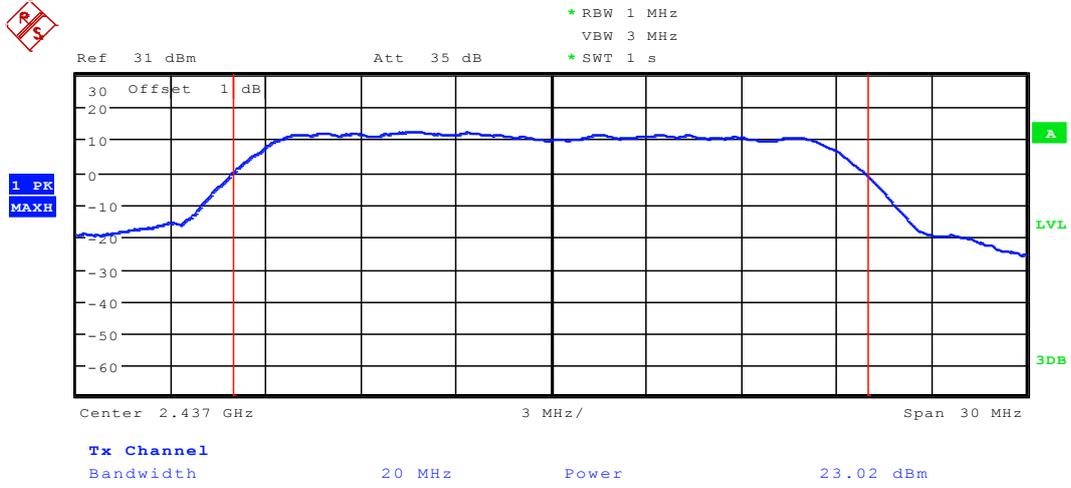
### 1.15 11N20\_M@Ant 1



Date: 30.MAY.2013 10:33:39



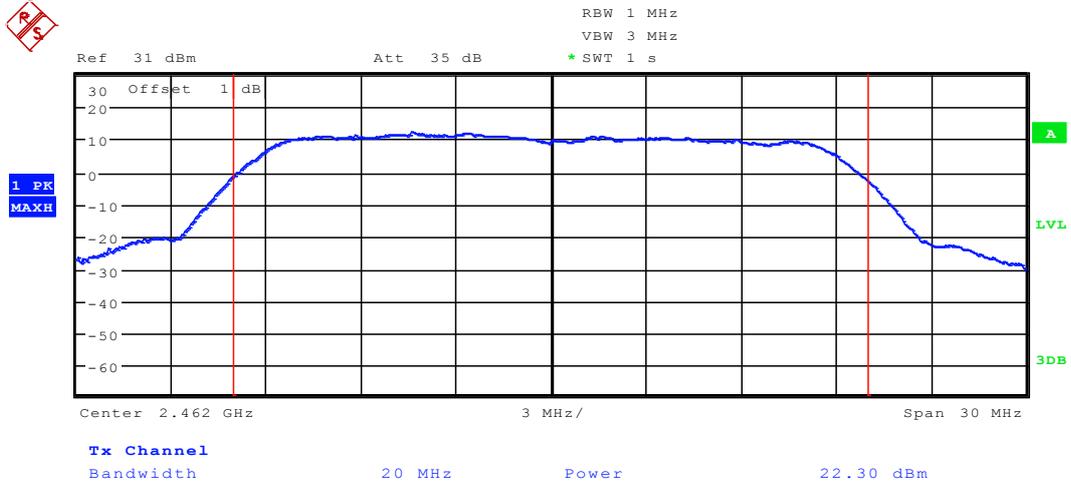
### 1.16 11N20\_M@Ant 2



Date: 30.MAY.2013 11:08:19



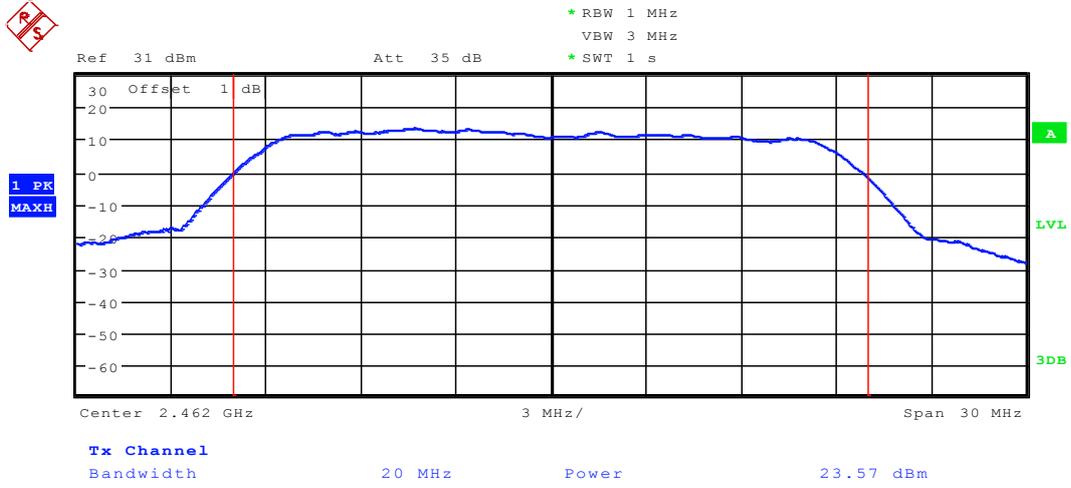
### 1.17 11N20\_H@Ant 1



Date: 30.MAY.2013 10:34:38



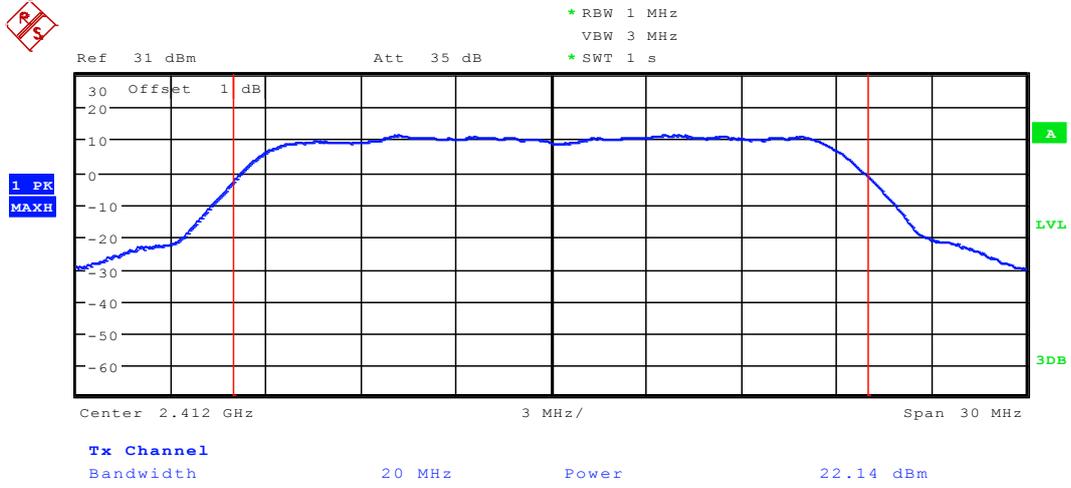
### 1.18 11N20\_H@Ant 2



Date: 30.MAY.2013 11:11:39



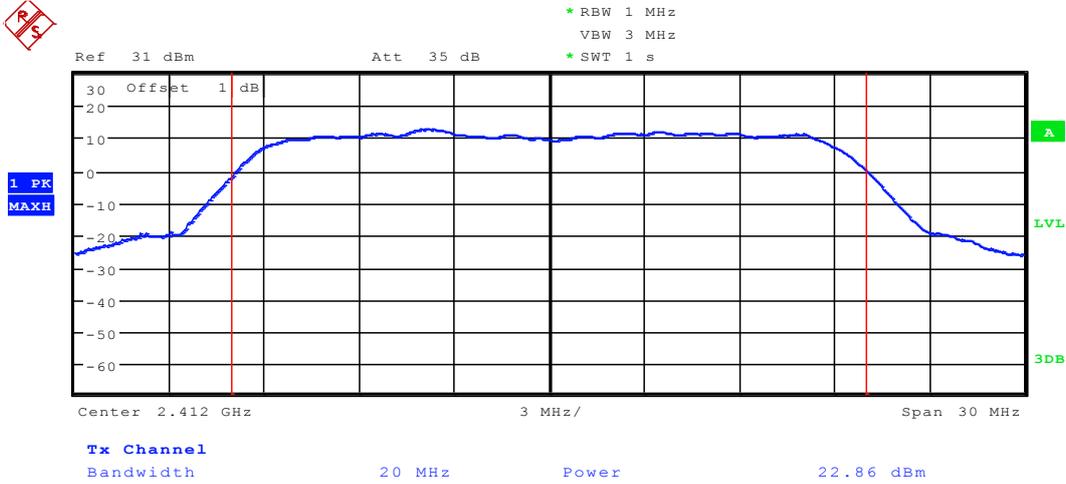
### 1.19 11N20m\_L@Ant 1



Date: 30.MAY.2013 11:34:22



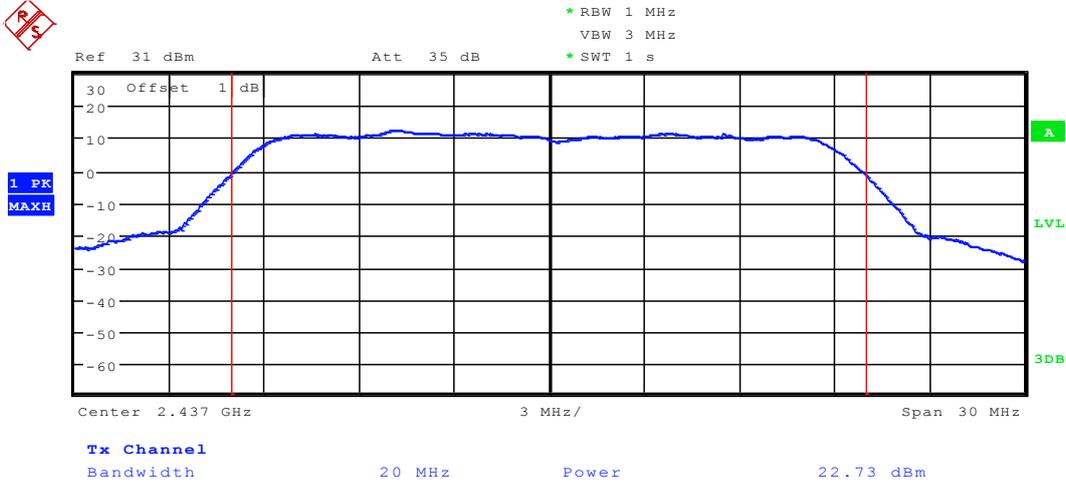
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Date: 30.MAY.2013 11:32:29



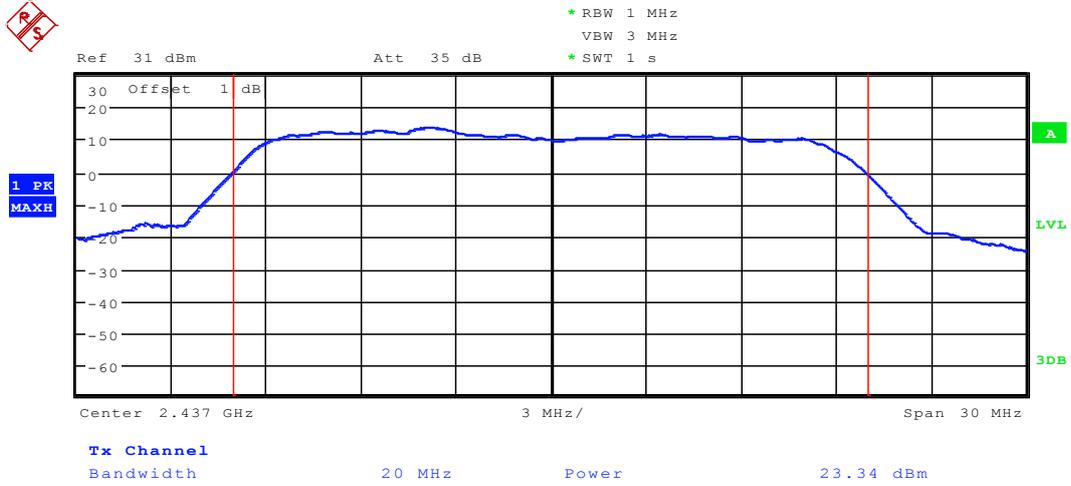
### 1.21 11N20m\_M@Ant 1



Date: 30.MAY.2013 11:35:52



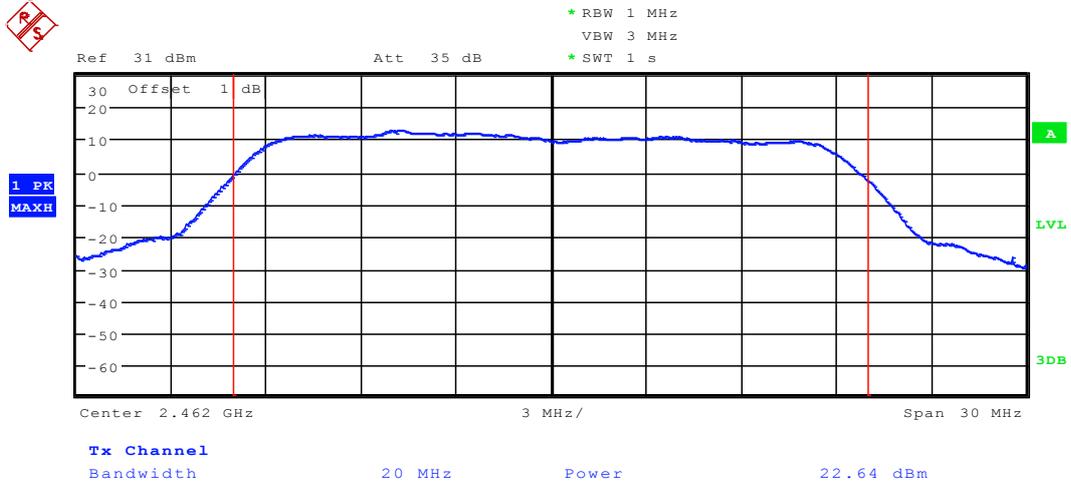
### 1.22 11N20m\_M@Ant 2



Date: 30.MAY.2013 11:42:40



### 1.23 11N20m\_H@Ant 1

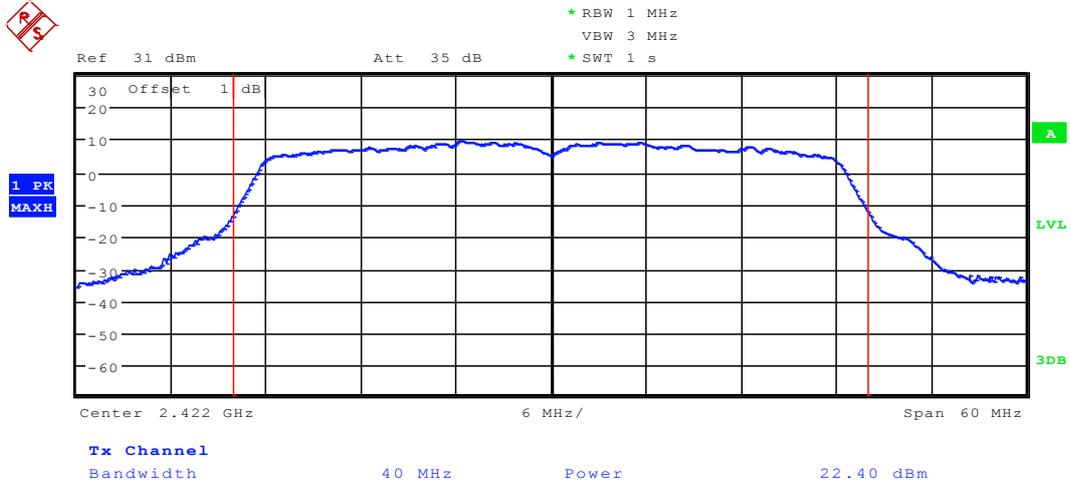


Date: 30.MAY.2013 11:45:42





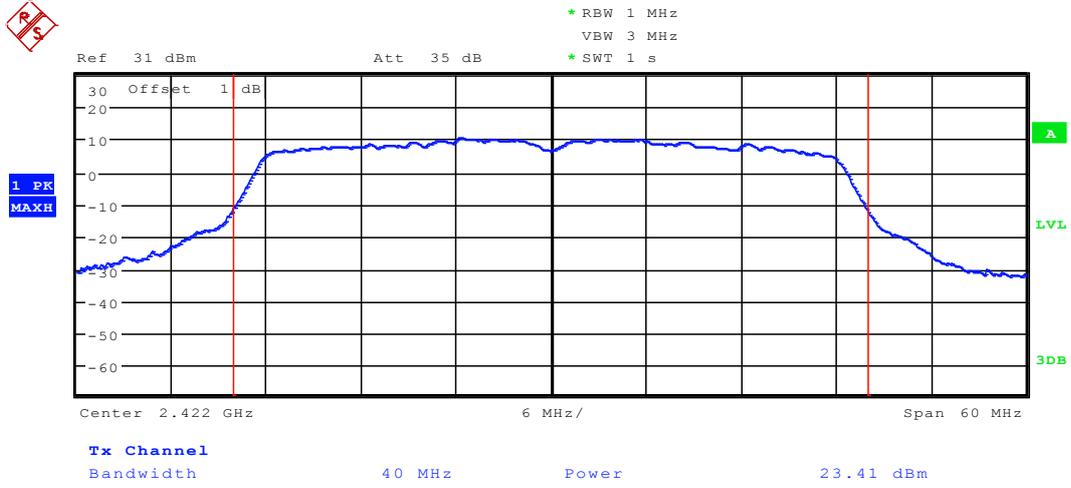
### 1.25 11N40\_L@Ant 1



Date: 30.MAY.2013 10:37:55



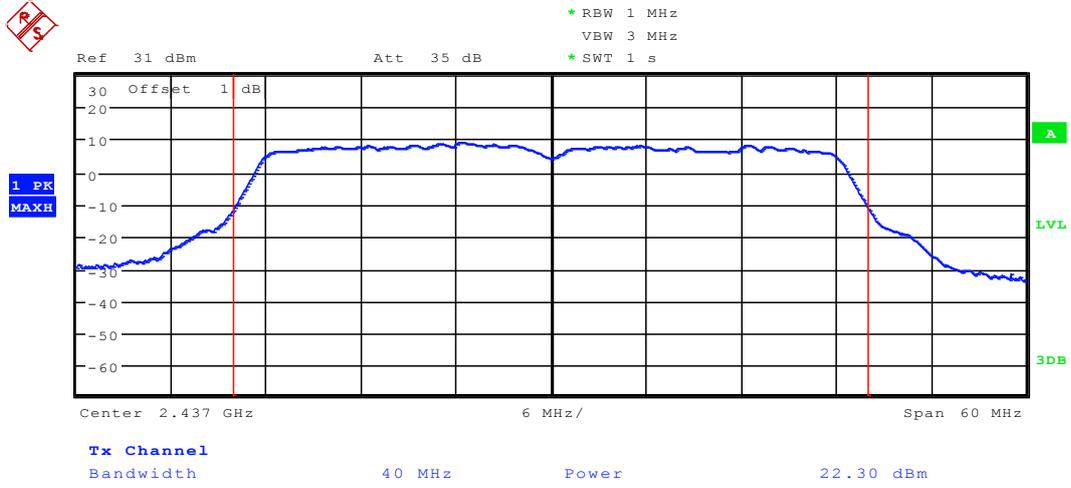
### 1.26 11N40\_L@Ant 2



Date: 30.MAY.2013 11:14:16



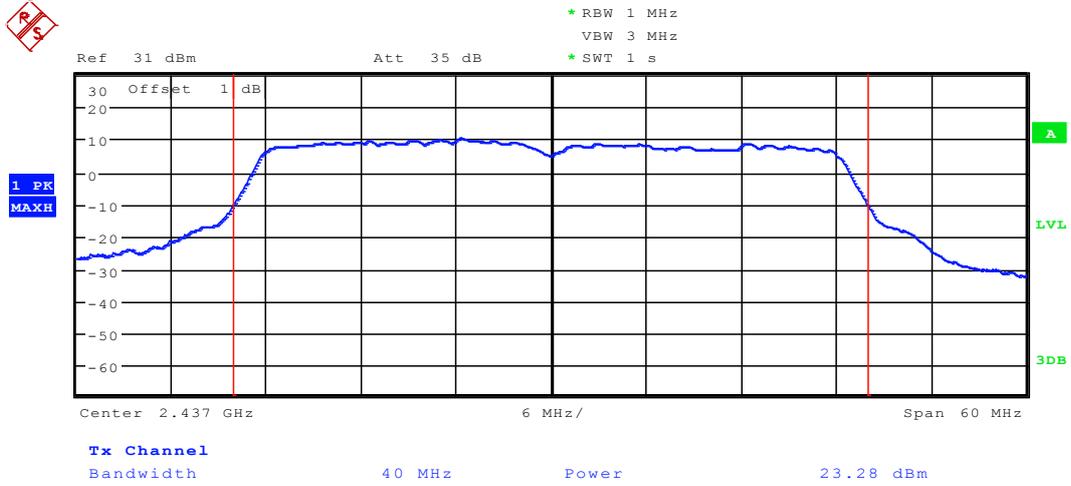
### 1.27 11N40\_M@Ant 1



Date: 30.MAY.2013 10:43:50



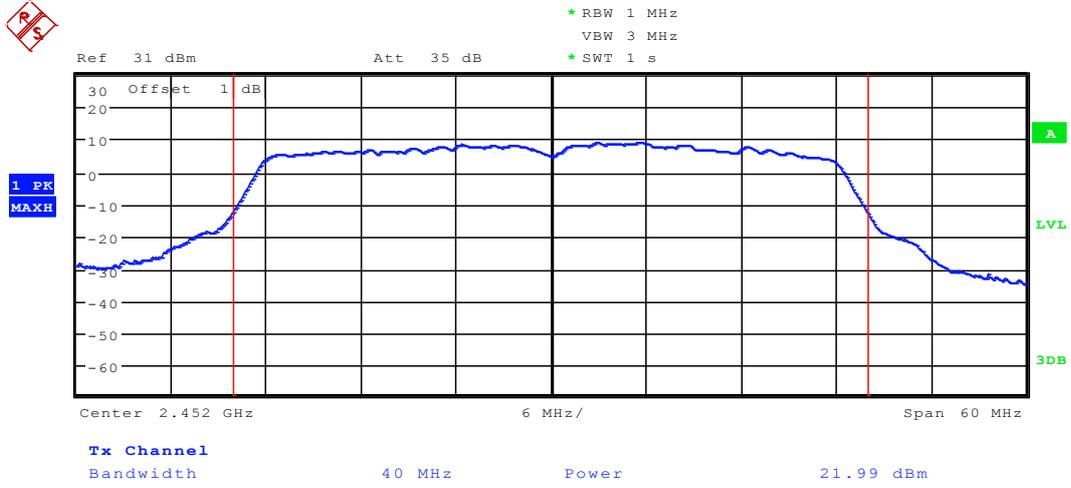
### 1.28 11N40\_M@Ant 2



Date: 30.MAY.2013 11:24:33



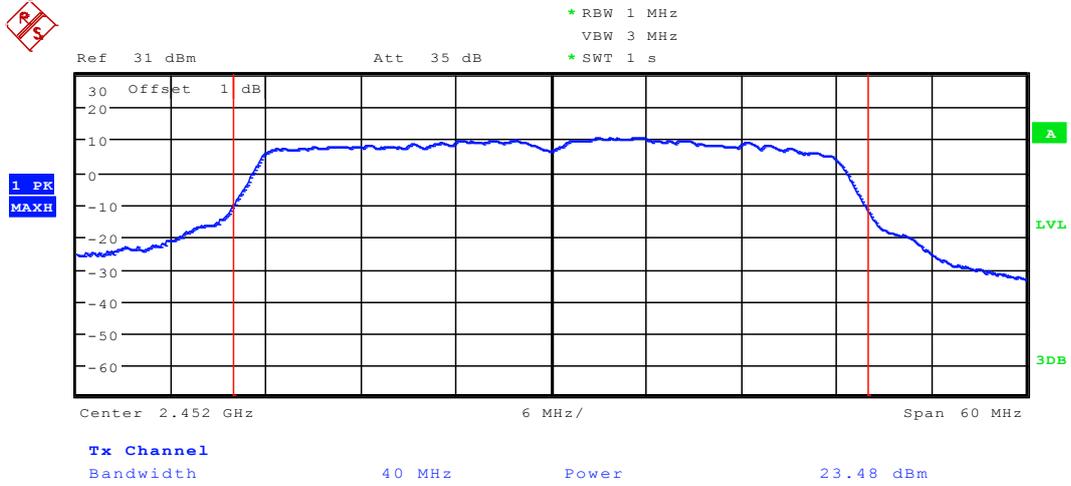
### 1.29 11N40\_H@Ant 1



Date: 30.MAY.2013 10:51:42



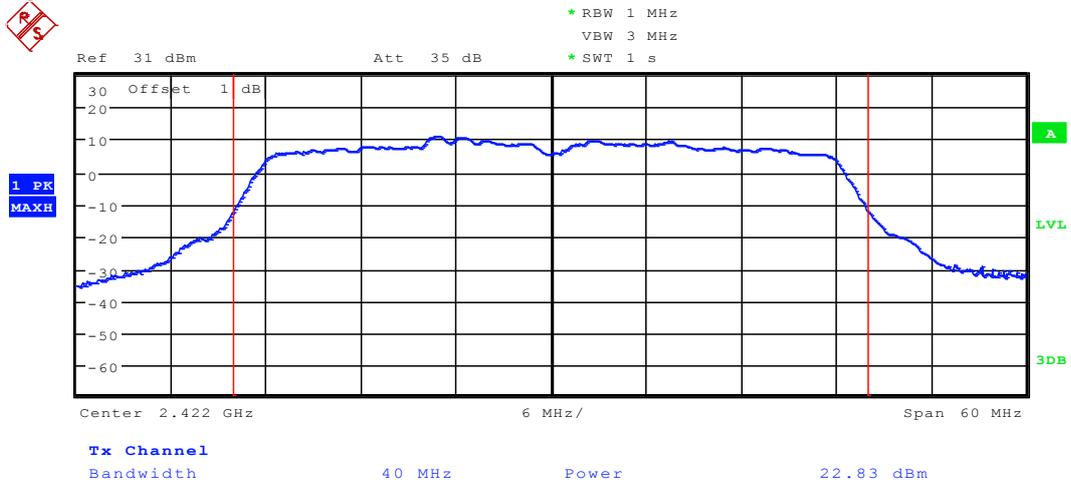
### 1.30 11N40\_H@Ant 2



Date: 30.MAY.2013 11:27:42



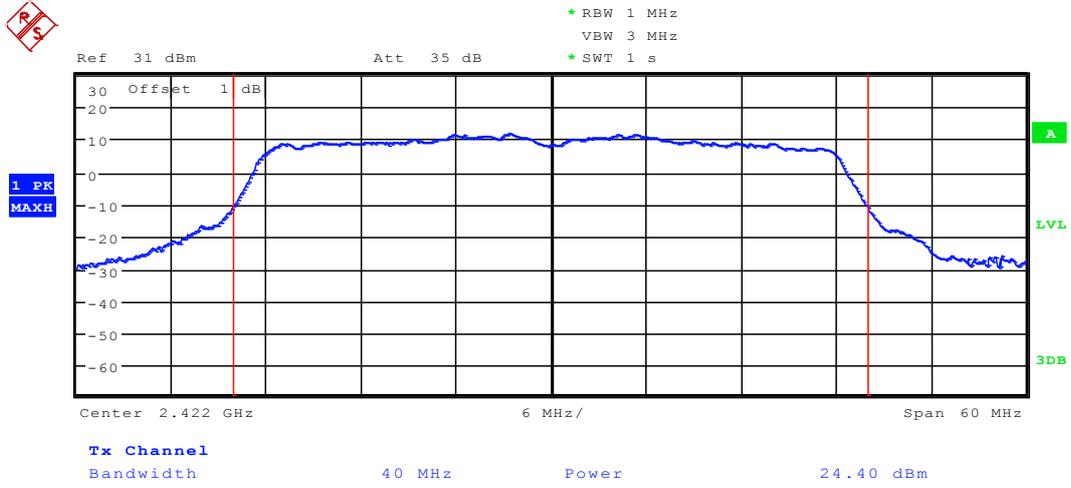
### 1.31 11N40m\_L@Ant 1



Date: 30.MAY.2013 11:47:22



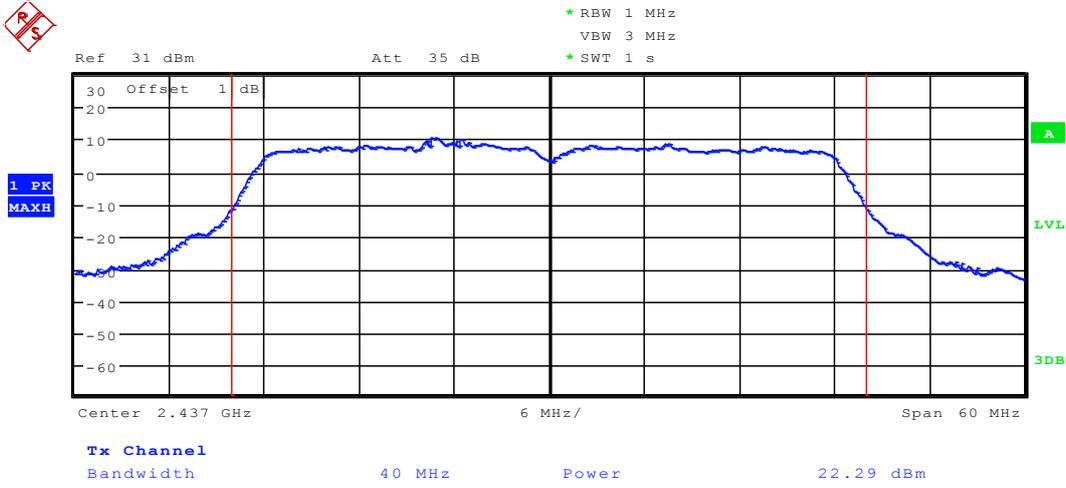
### 1.32 11N40m\_L@Ant 2



Date: 30.MAY.2013 11:52:25



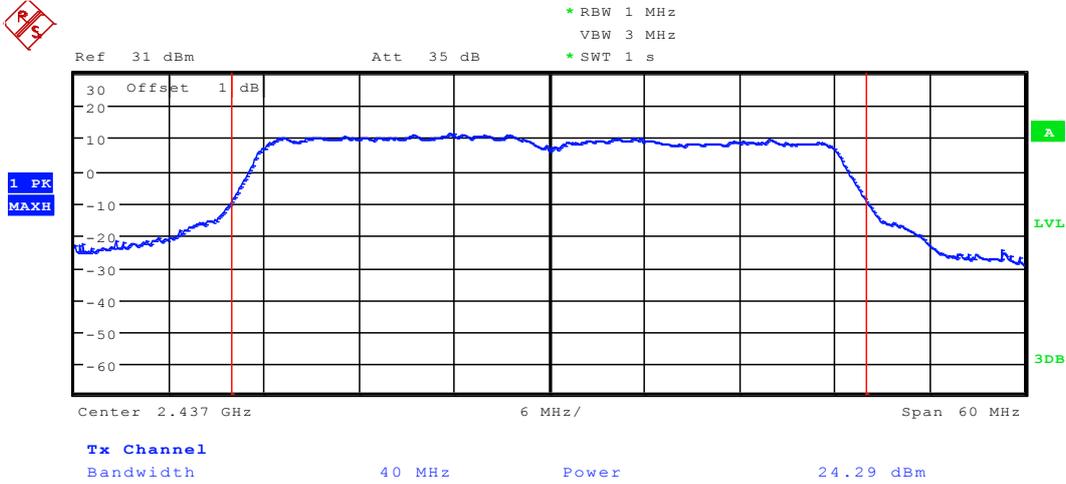
### 1.34 11N40m\_M@Ant 1



Date: 30.MAY.2013 11:53:45



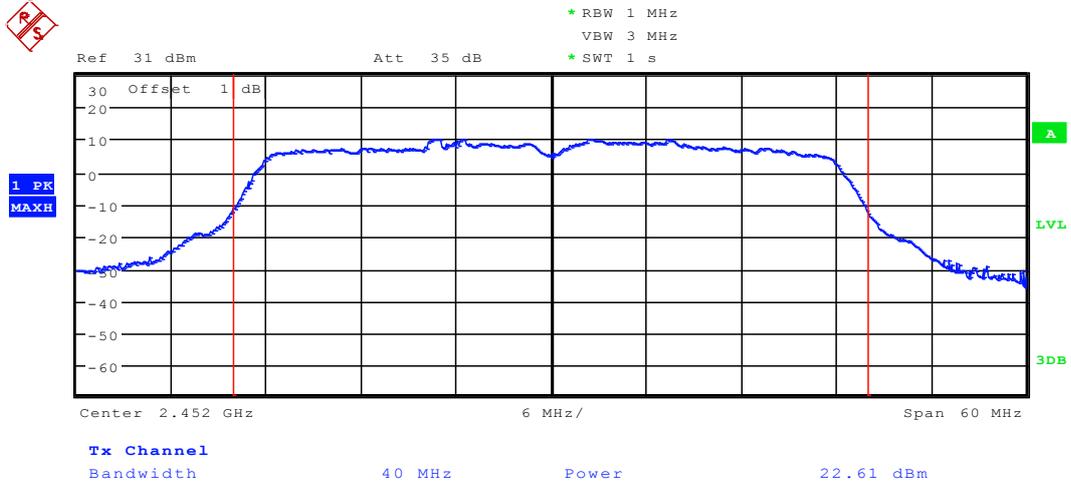
### 1.33 11N40m\_M@Ant 2



Date: 30.MAY.2013 11:53:09



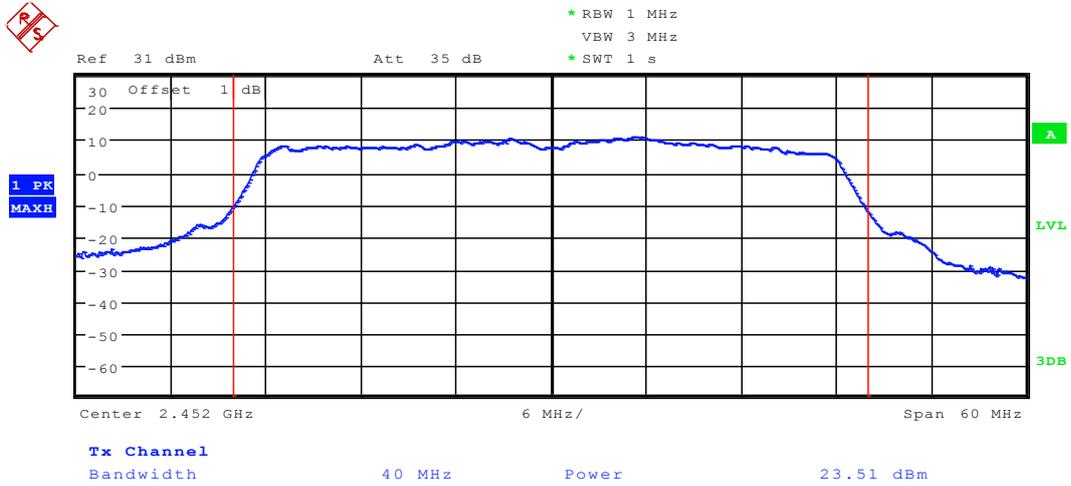
### 1.35 11N40m\_H@Ant 1



Date: 30.MAY.2013 11:54:27



### 1.36 11N40m\_H@Ant 2



Date: 30.MAY.2013 11:55:31



## Appendix C: Maximum Power Spectral Density Level

### Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	PD[dBm]	Verdict
11B	L	2412	Ant 1	2.92	pass
11B	L	2412	Ant 2	1.35	pass
11B	M	2437	Ant 1	3.05	pass
11B	M	2437	Ant 2	0.96	pass
11B	H	2462	Ant 1	4.10	pass
11B	H	2462	Ant 2	2.79	pass
11G	L	2412	Ant 1	-1.38	pass
11G	L	2412	Ant 2	-3.50	pass
11G	M	2437	Ant 1	-1.91	pass
11G	M	2437	Ant 2	-3.44	pass
11G	H	2462	Ant 1	-1.54	pass
11G	H	2462	Ant 2	-2.57	pass
11N20	L	2412	Ant 1	-0.90	pass
11N20	L	2412	Ant 2	-6.08	pass
11N20	M	2437	Ant 1	-1.69	pass
11N20	M	2437	Ant 2	-6.34	pass
11N20	H	2462	Ant 1	-1.23	pass
11N20	H	2462	Ant 2	-5.33	pass
11N20m	L	2412	Ant 1	-1.76	pass
11N20m	L	2412	Ant 2	-0.57	pass
11N20m	L	2412	Sum	2.44	pass
11N20m	M	2437	Ant 1	-0.48	pass
11N20m	M	2437	Ant 2	-1.67	pass
11N20m	M	2437	Sum	2.53	pass
11N20m	H	2462	Ant 1	-0.91	pass
11N20m	H	2462	Ant 2	-0.75	pass
11N20m	H	2462	Sum	2.26	pass
11N40	L	2422	Ant 1	-3.88	pass
11N40	L	2422	Ant 2	-7.05	pass
11N40	M	2437	Ant 1	-4.14	pass
11N40	M	2437	Ant 2	-8.41	pass
11N40	H	2452	Ant 1	-3.00	pass
11N40	H	2452	Ant 2	-7.14	pass
11N40m	L	2422	Ant 1	-3.86	pass
11N40m	L	2422	Ant 2	-4.21	pass
11N40m	L	2422	Sum	-0.85	pass



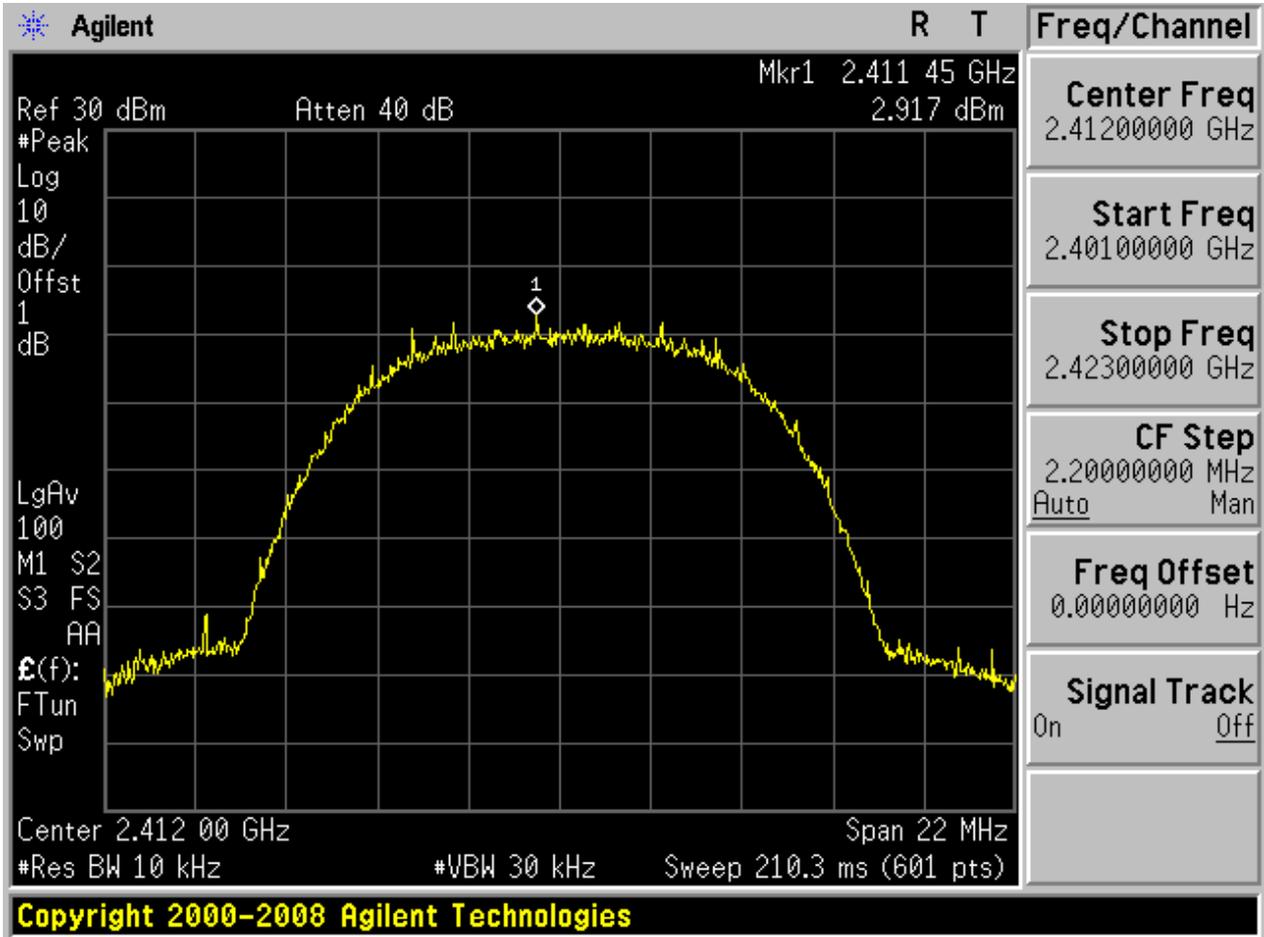
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Test Mode	Test Channel	Frequency[MHz]	Ant	PD[dBm]	Verdict
11N40m	M	2437	Ant 2	-5.10	pass
11N40m	M	2437	Ant 1	-3.44	pass
11N40m	M	2437	Sum	-0.43	pass
11N40m	H	2452	Ant 1	-3.06	pass
11N40m	H	2452	Ant 2	-4.34	pass
11N40m	H	2452	Sum	-0.05	pass

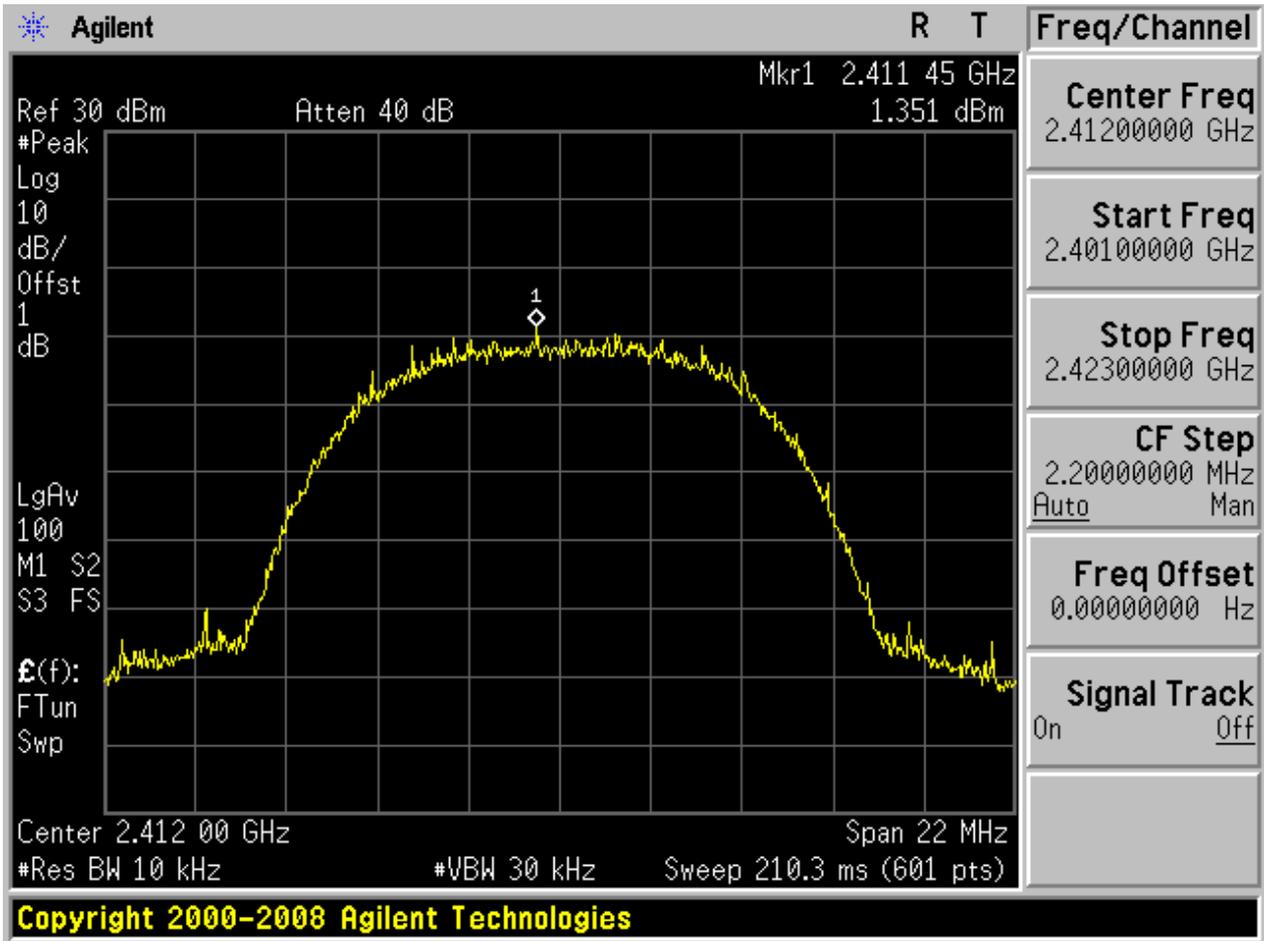
## Part II - Test Plots

### 2.1 11B\_L@Ant 1



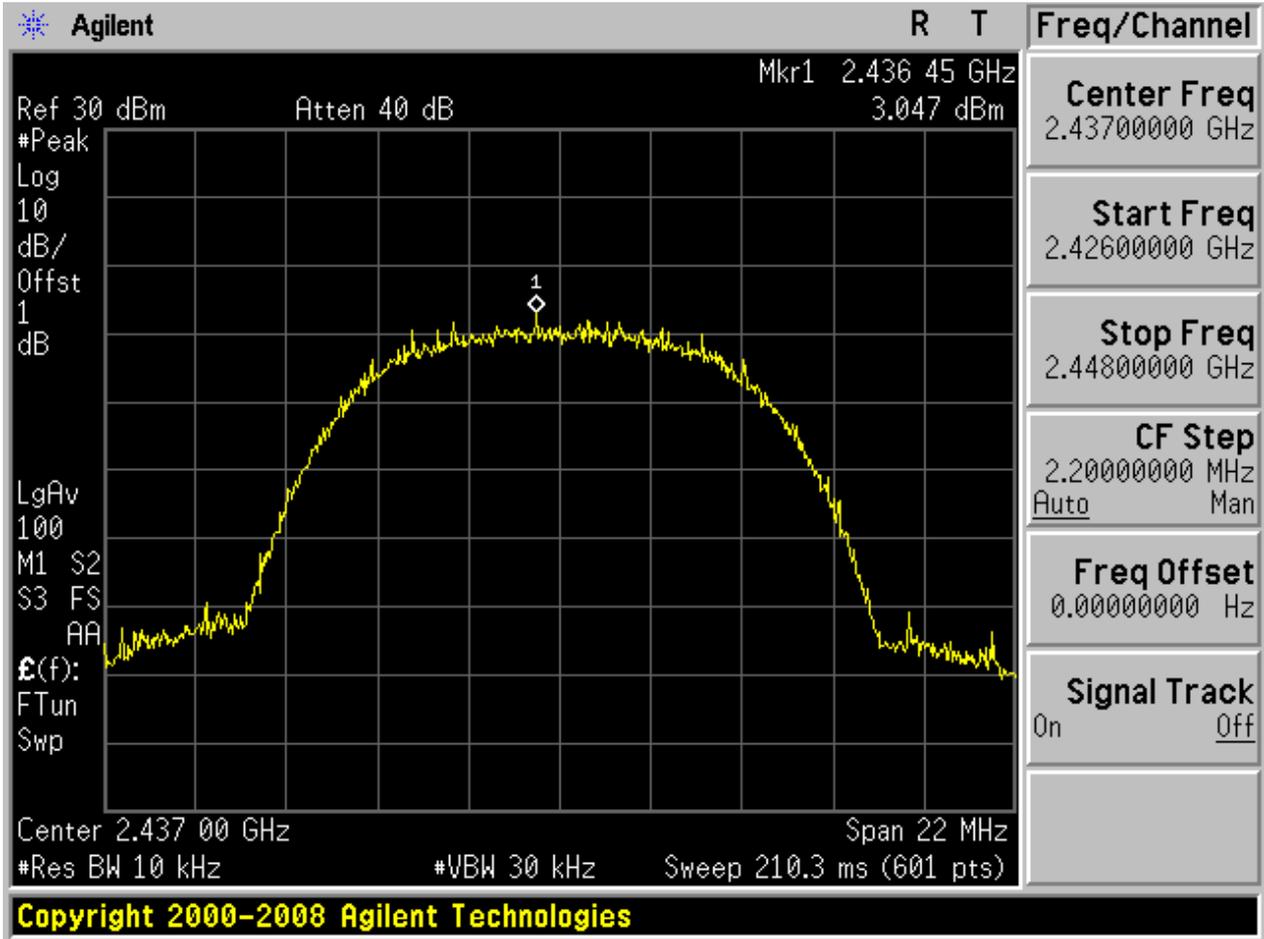


### 2.2 11B\_L@Ant 2



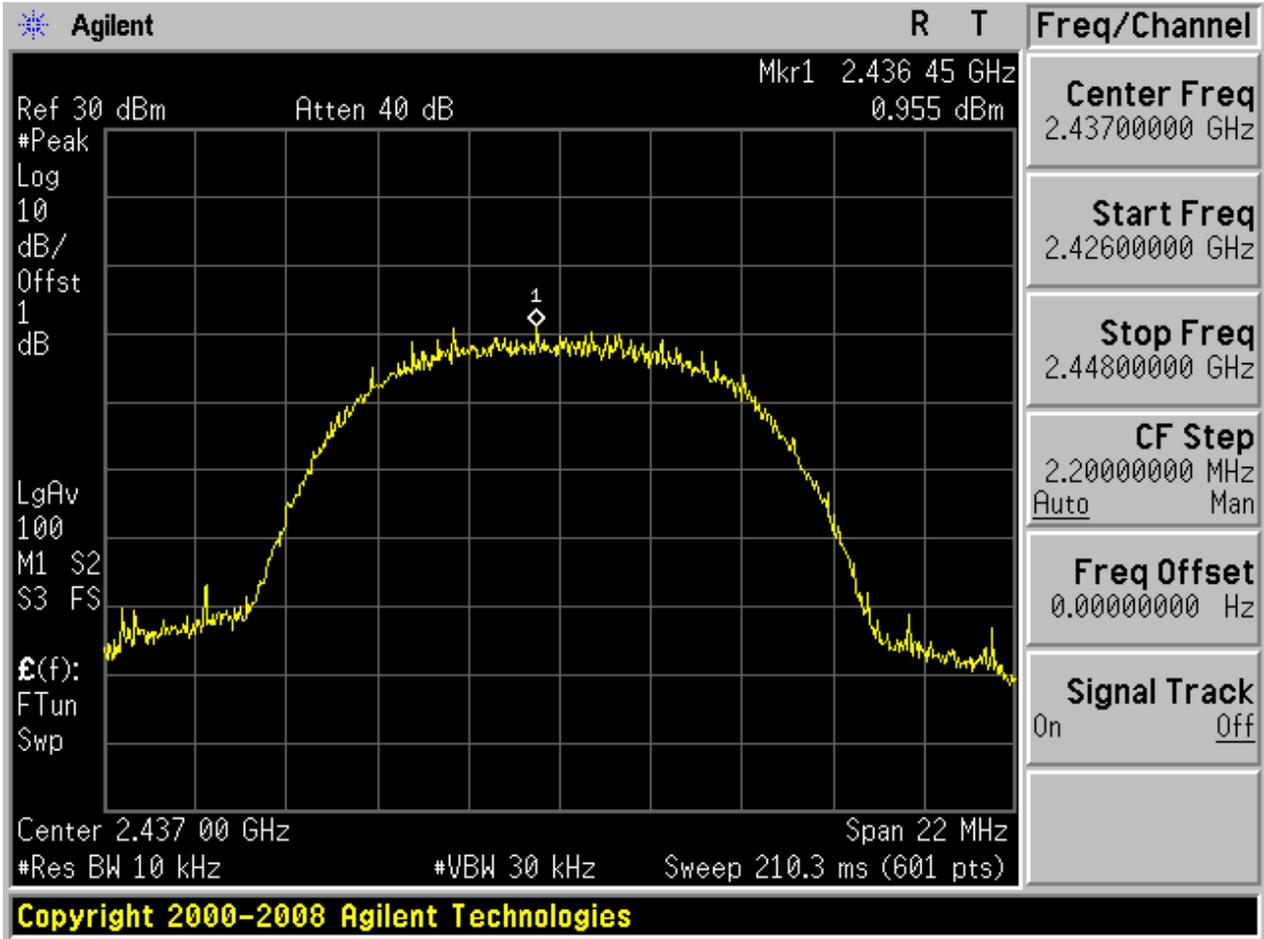


### 2.3 11B\_M@Ant 1



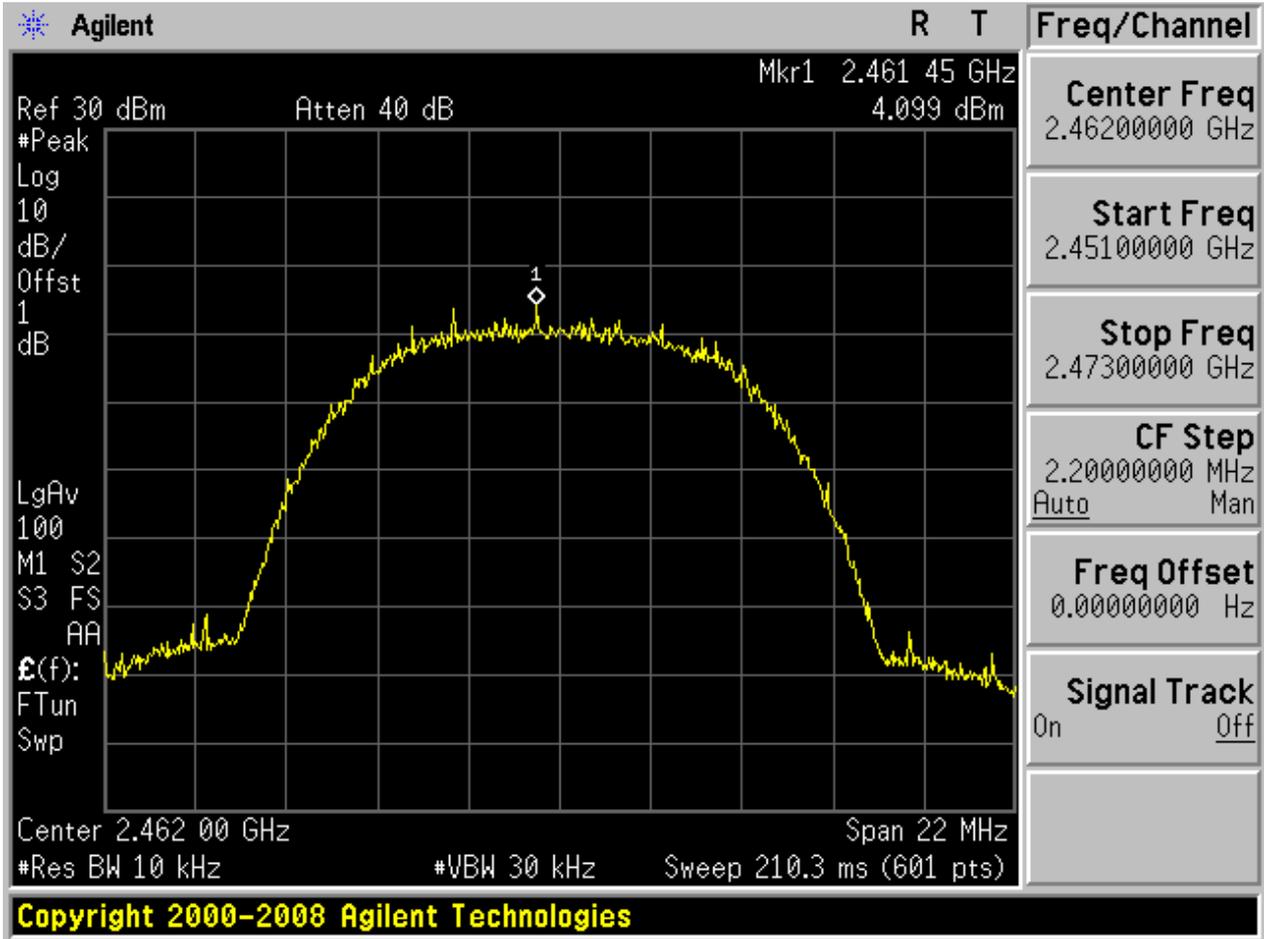


### 2.4 11B\_M@Ant 2



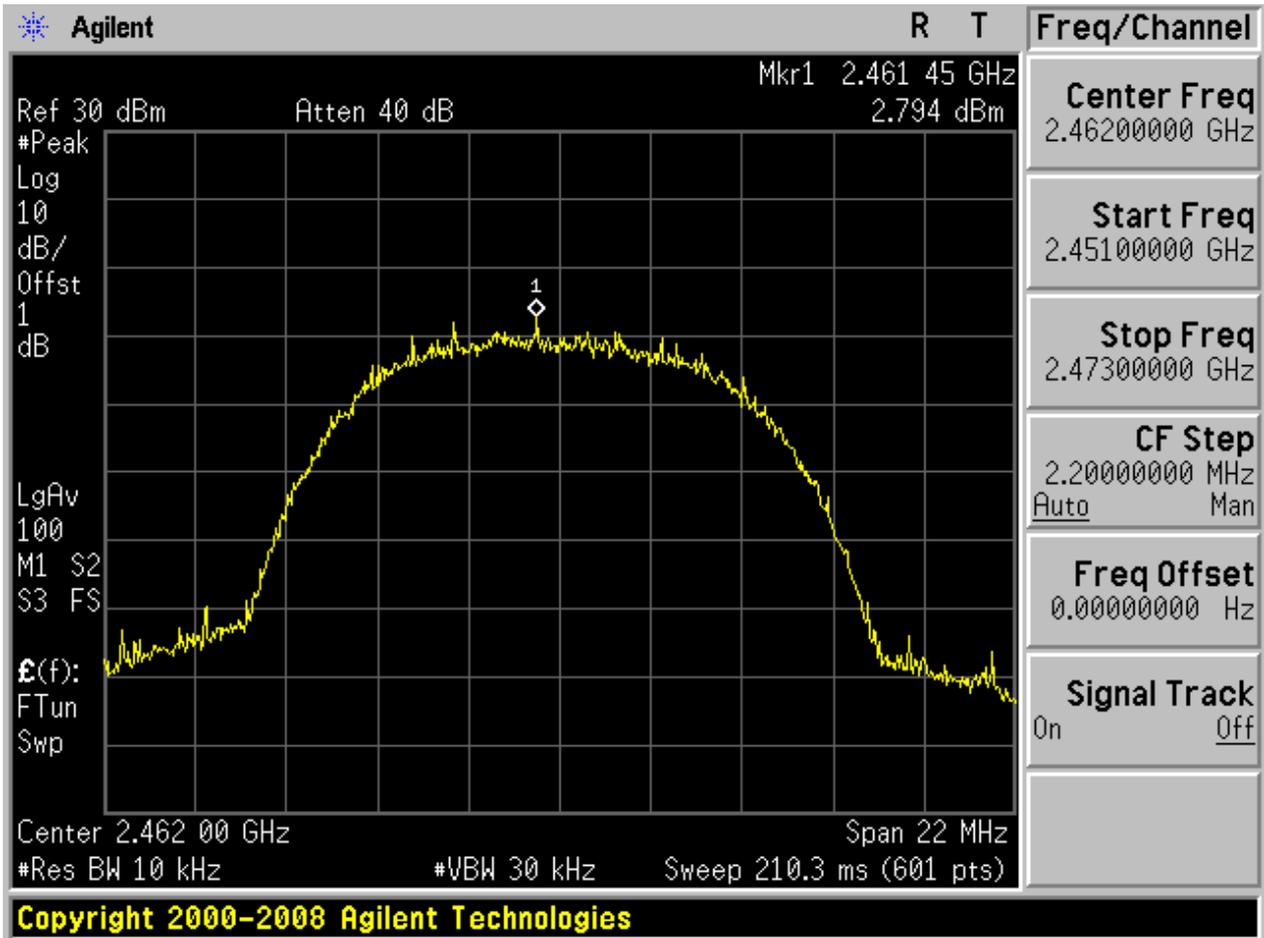


### 2.5 11B\_H@Ant 1



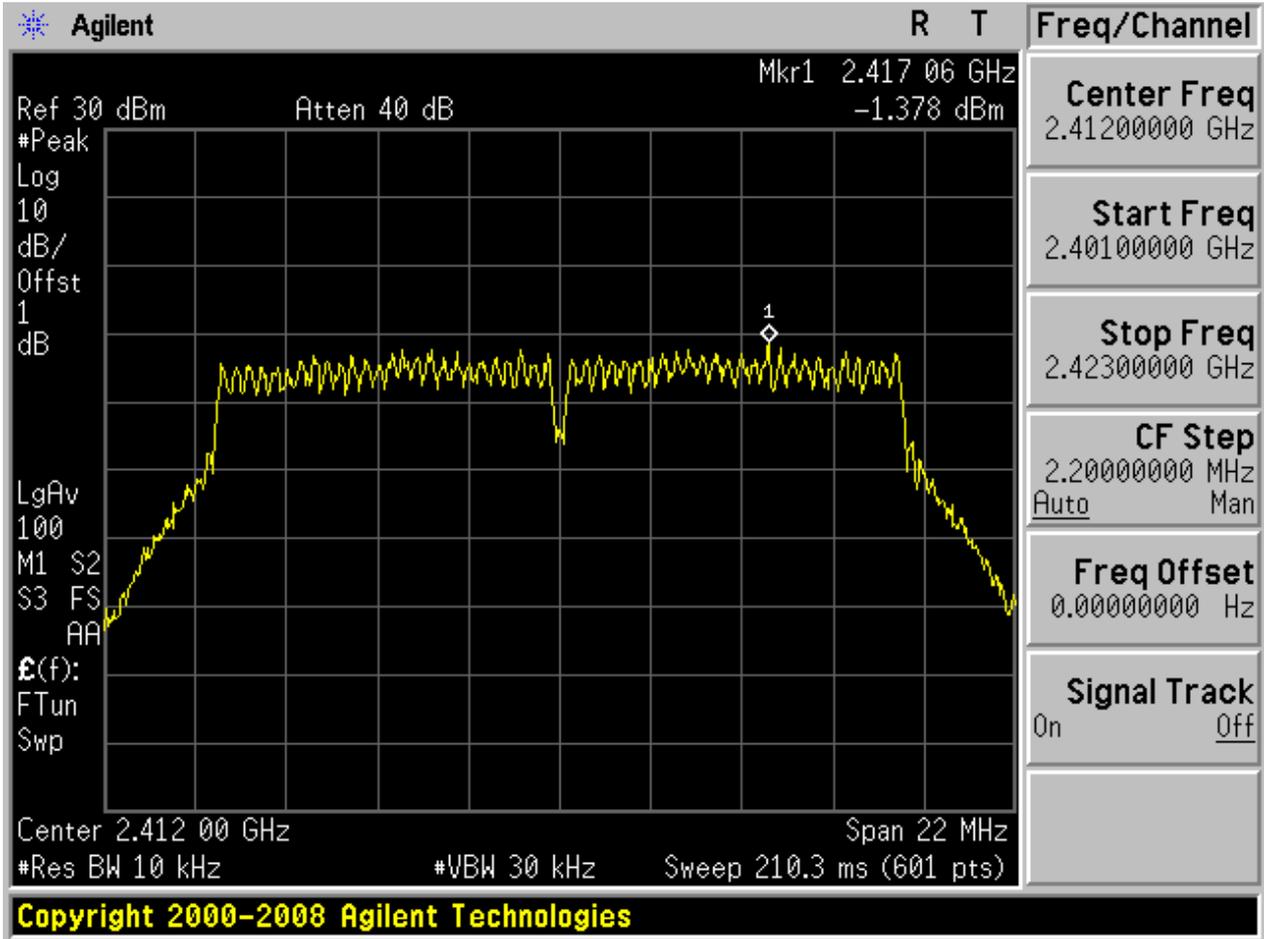


### 2.6 11B\_H@Ant 2



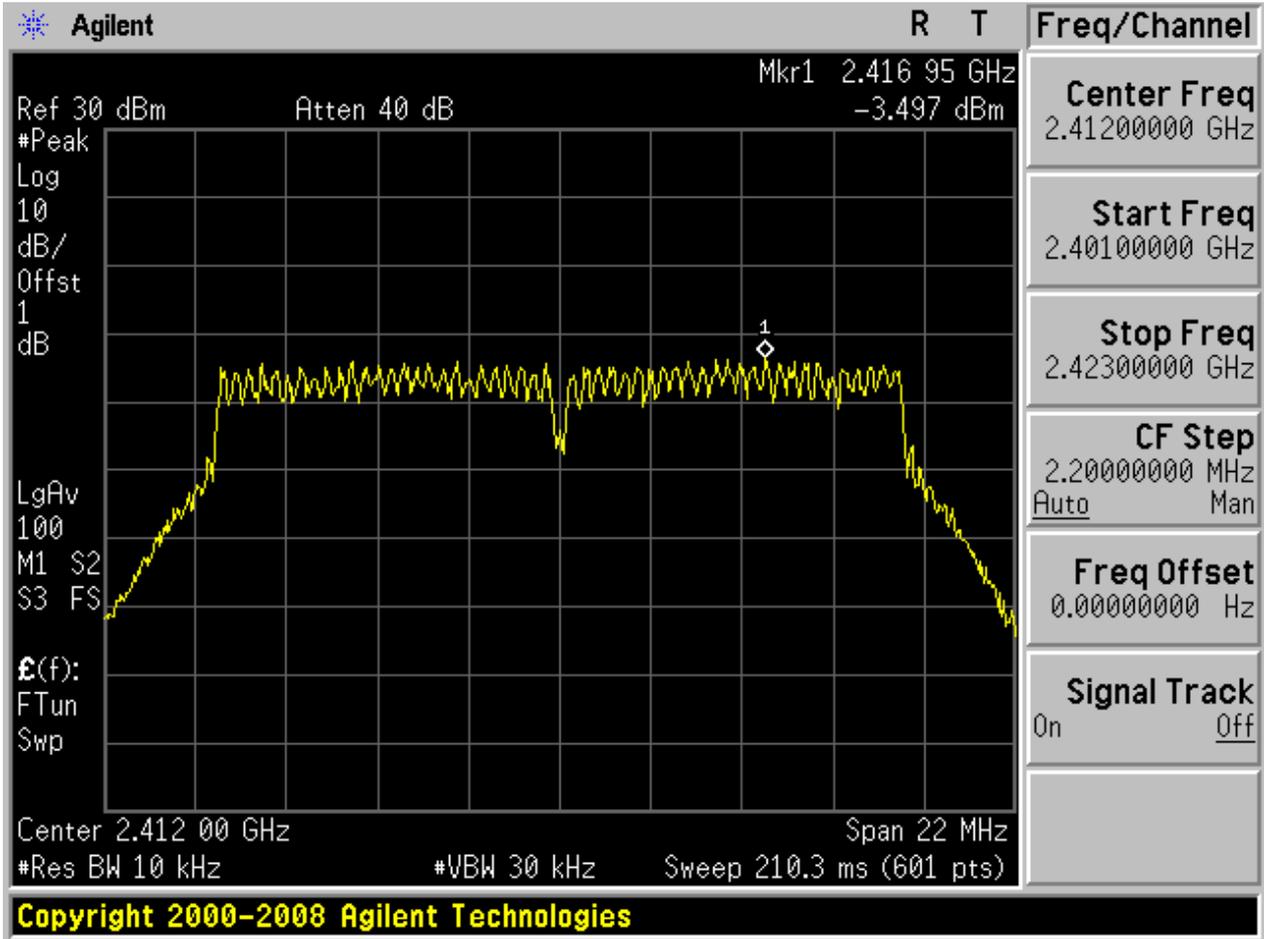


### 2.7 11G\_L@Ant 1



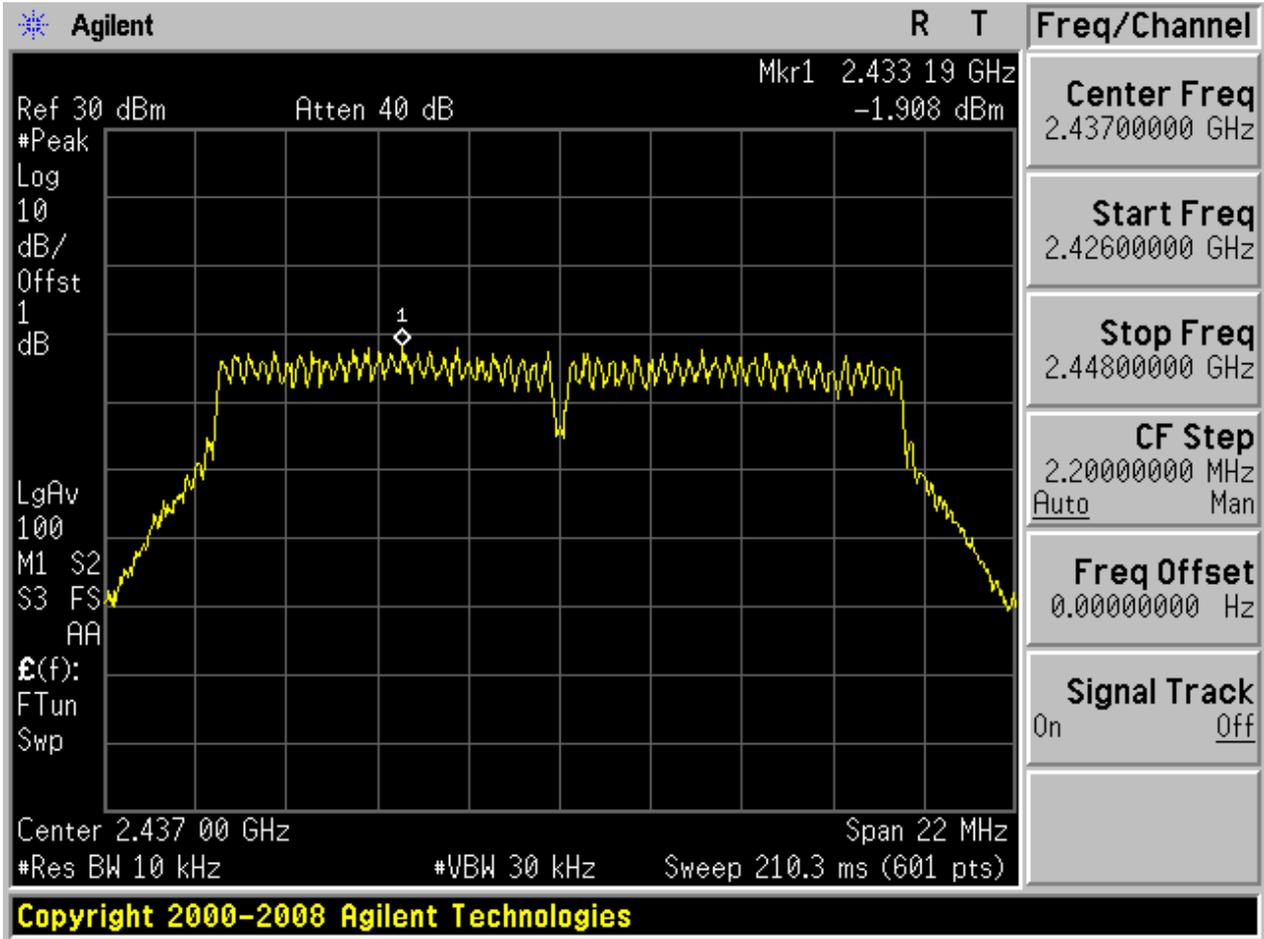


### 2.8 11G\_L@Ant 2



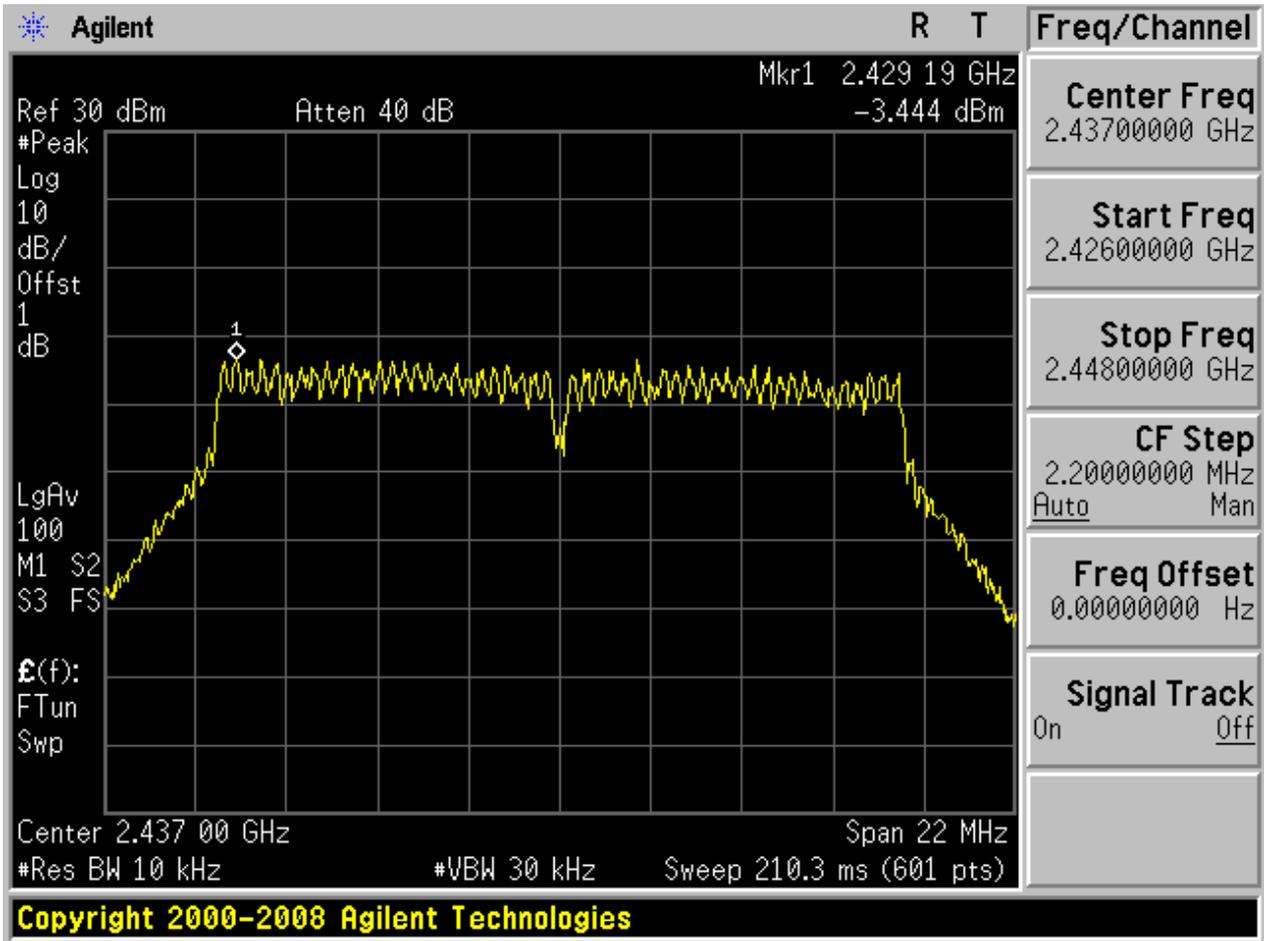


### 2.9 11G\_M@Ant 1



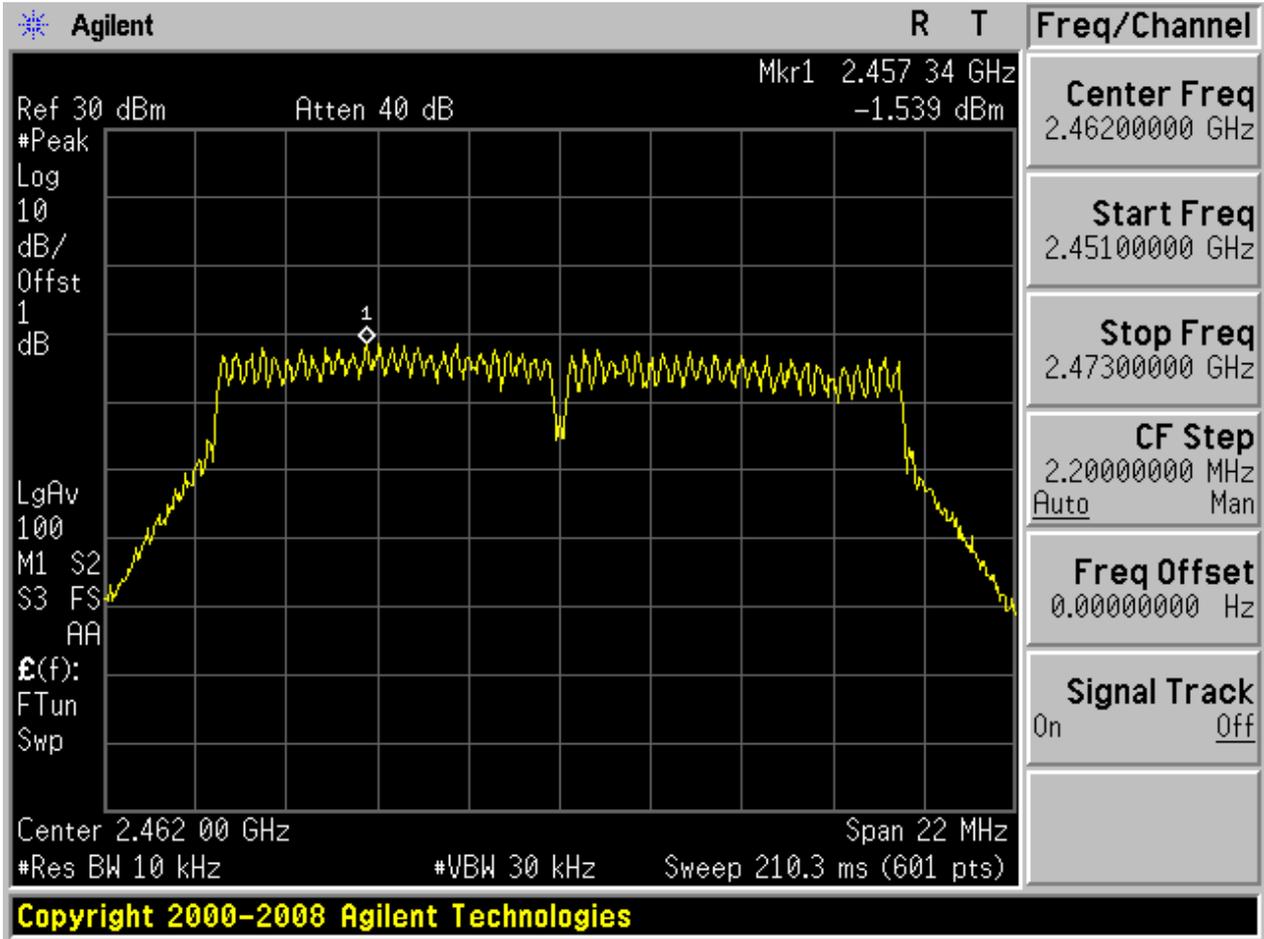


### 2.10 11G\_M@Ant 2



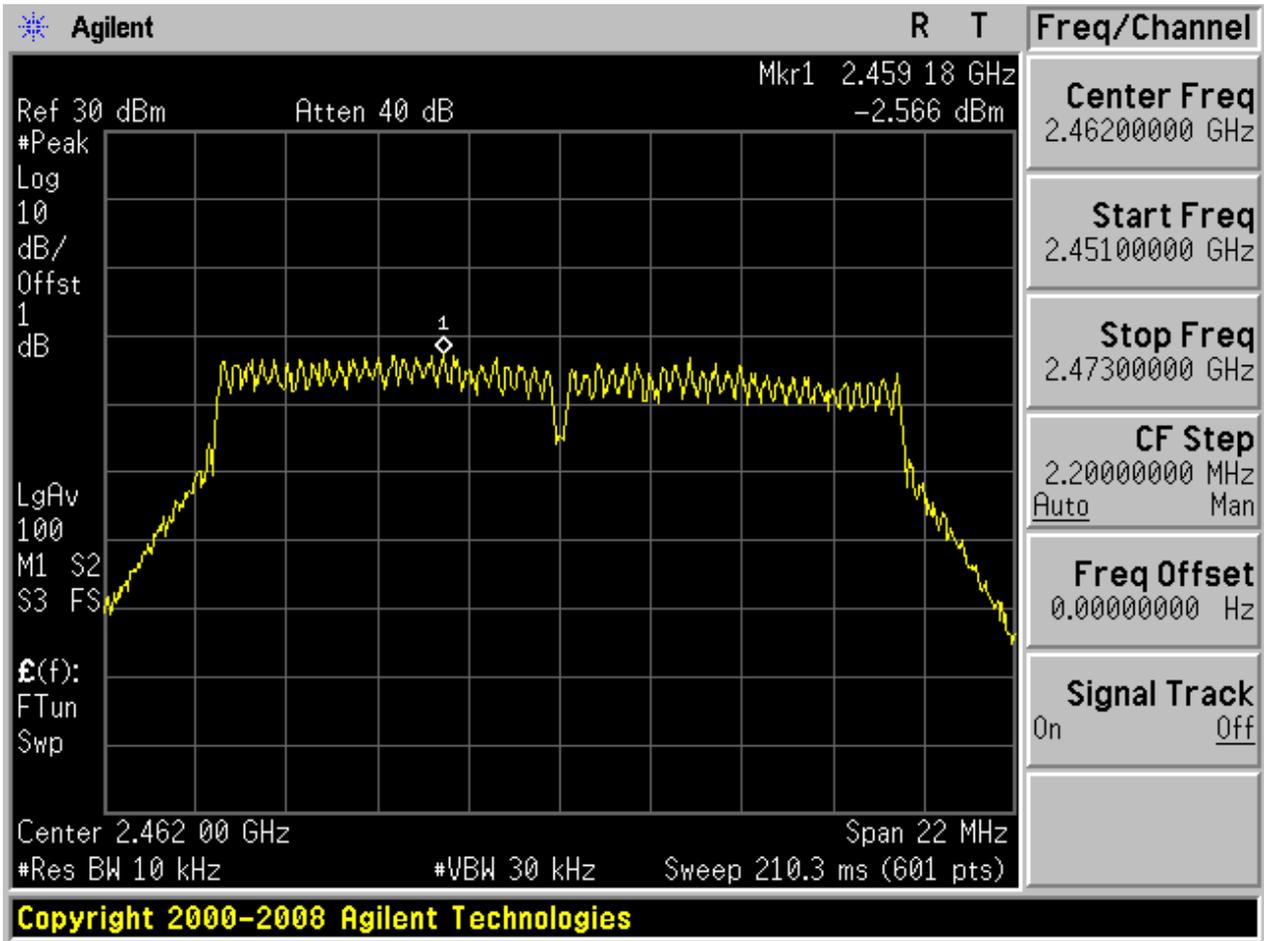


### 2.11 11G\_H@Ant 1



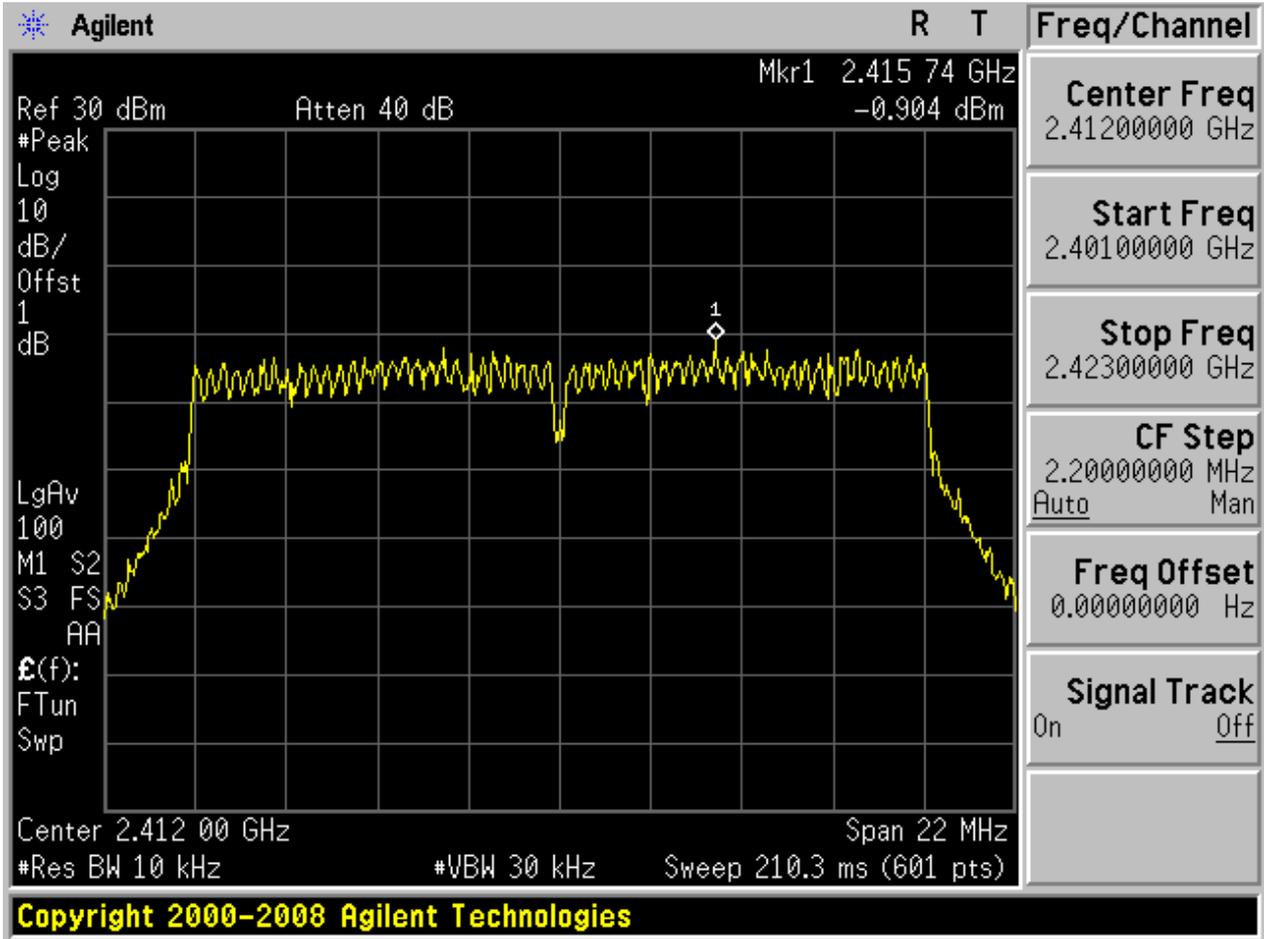


### 2.12 11G\_H@Ant 2



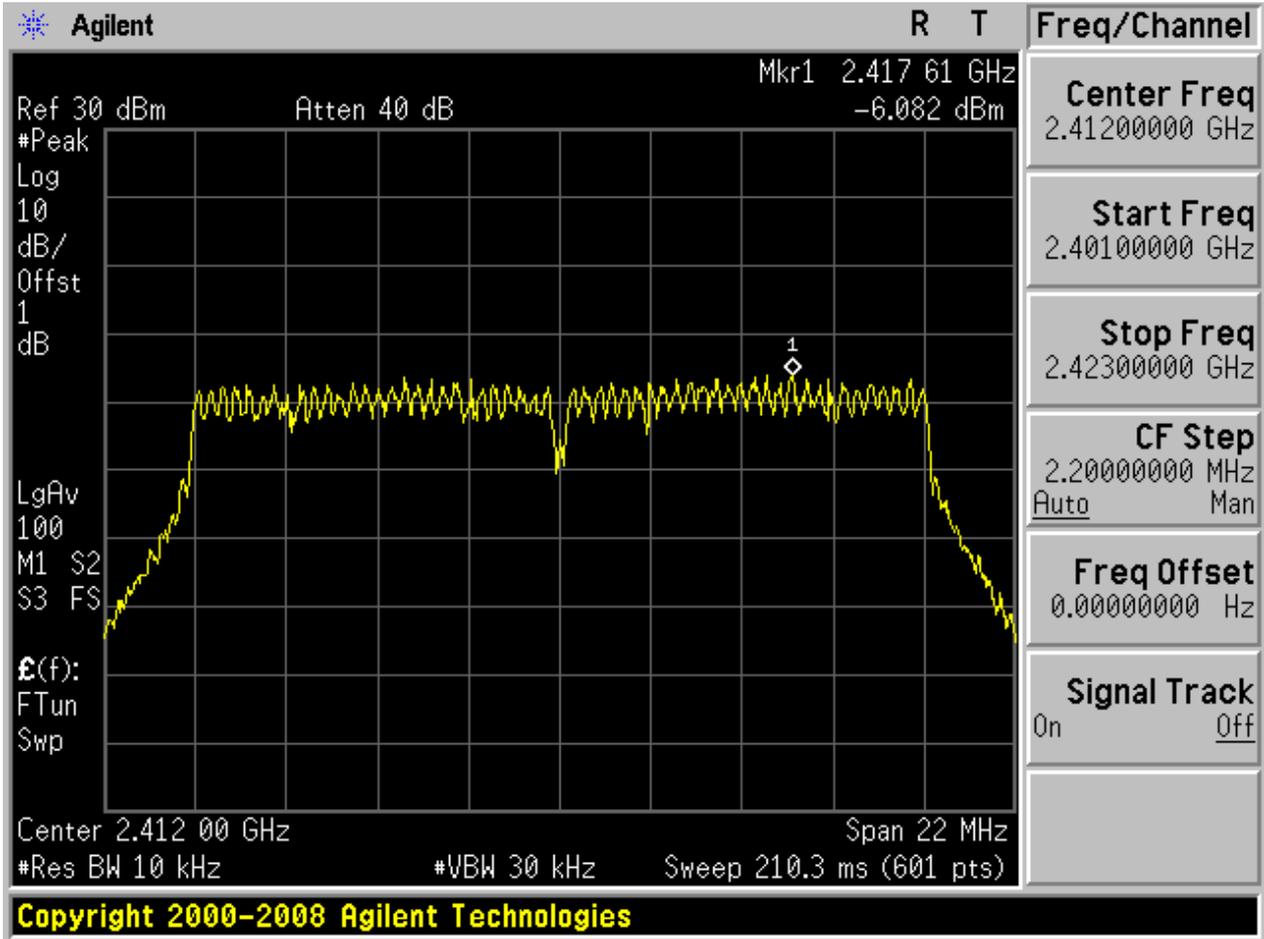


### 2.13 11N20\_L@Ant 1



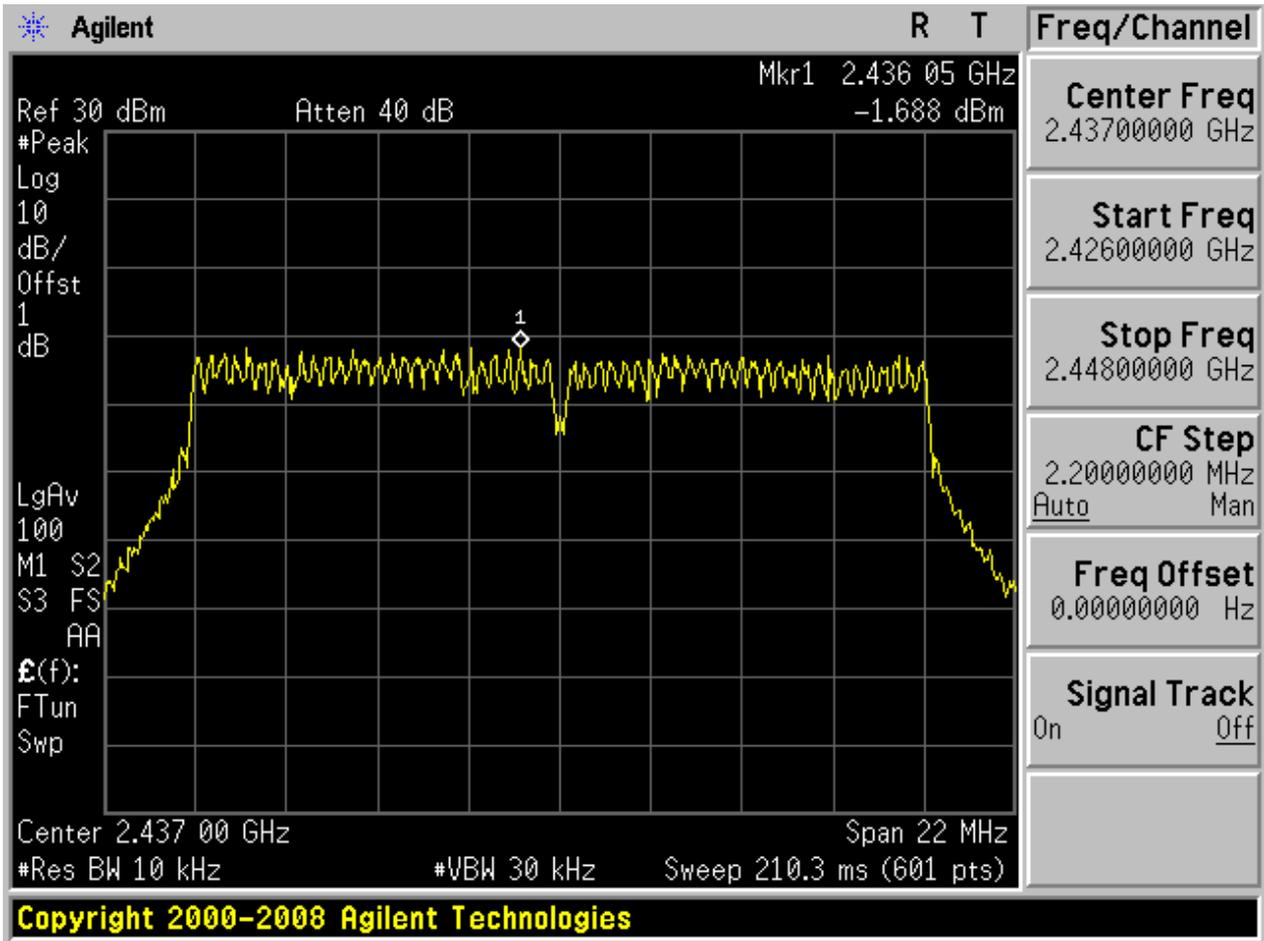


### 2.14 11N20\_L@Ant 2



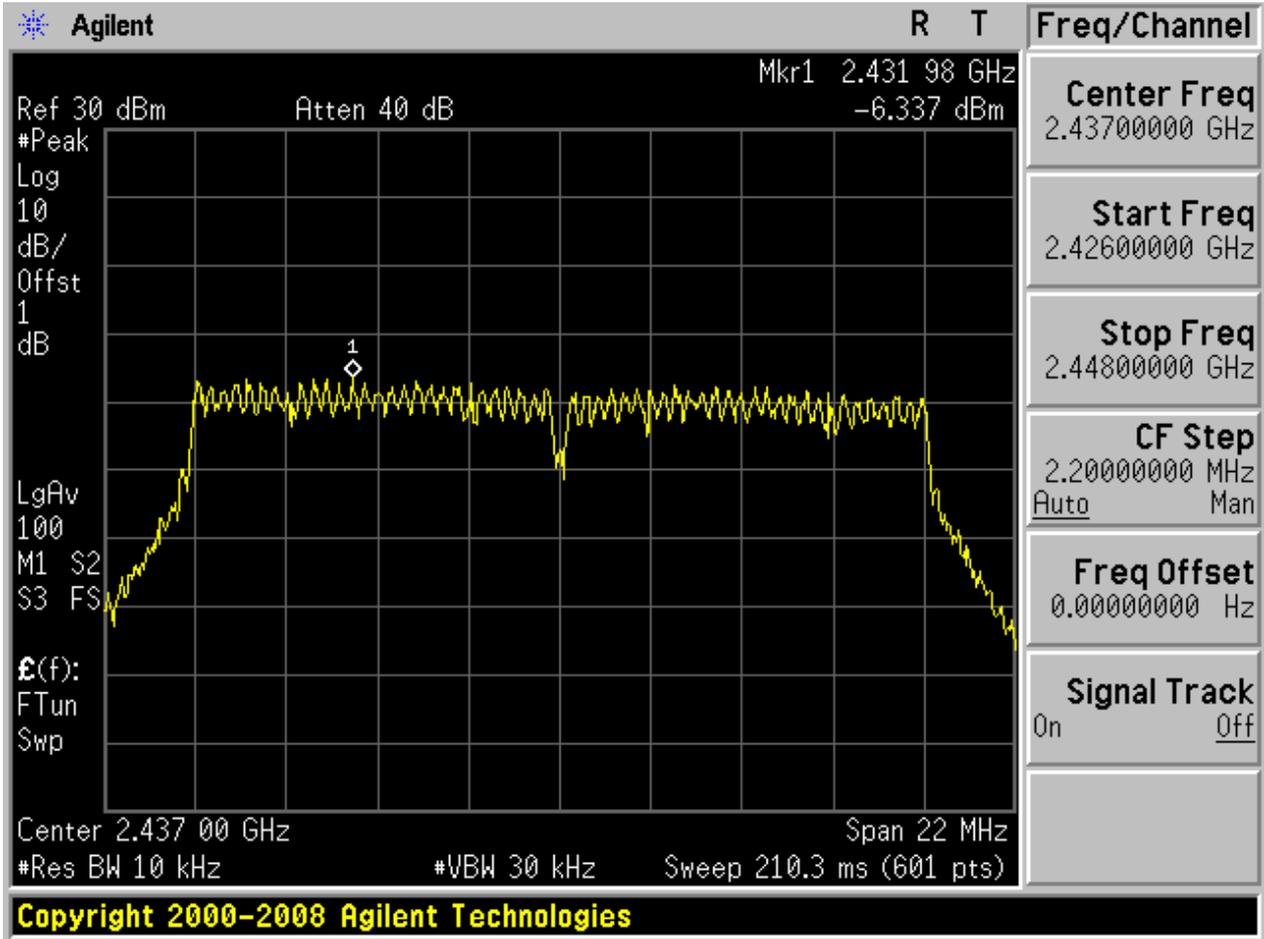


### 2.15 11N20\_M@Ant 1



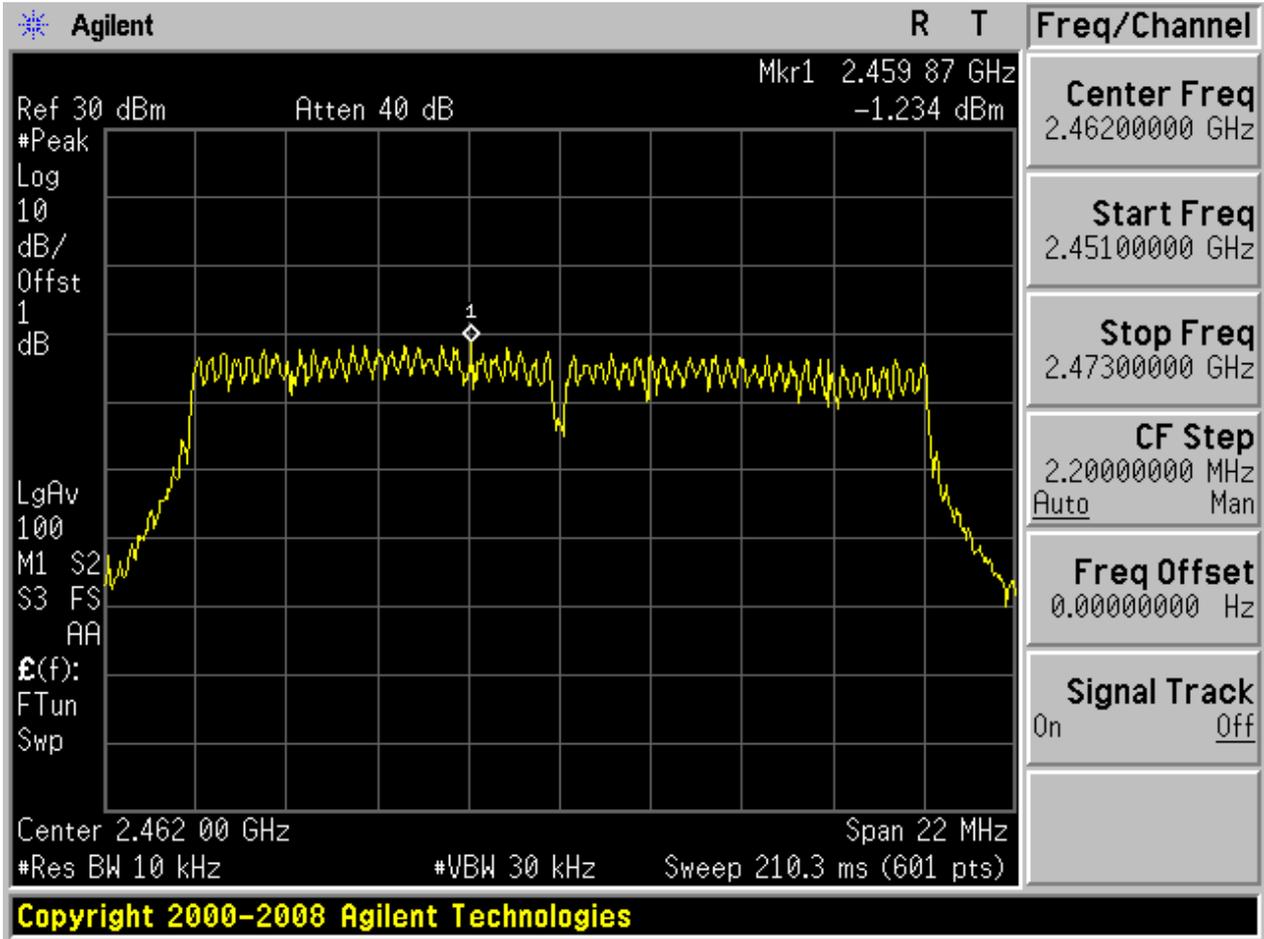


### 2.16 11N20\_M@Ant 2



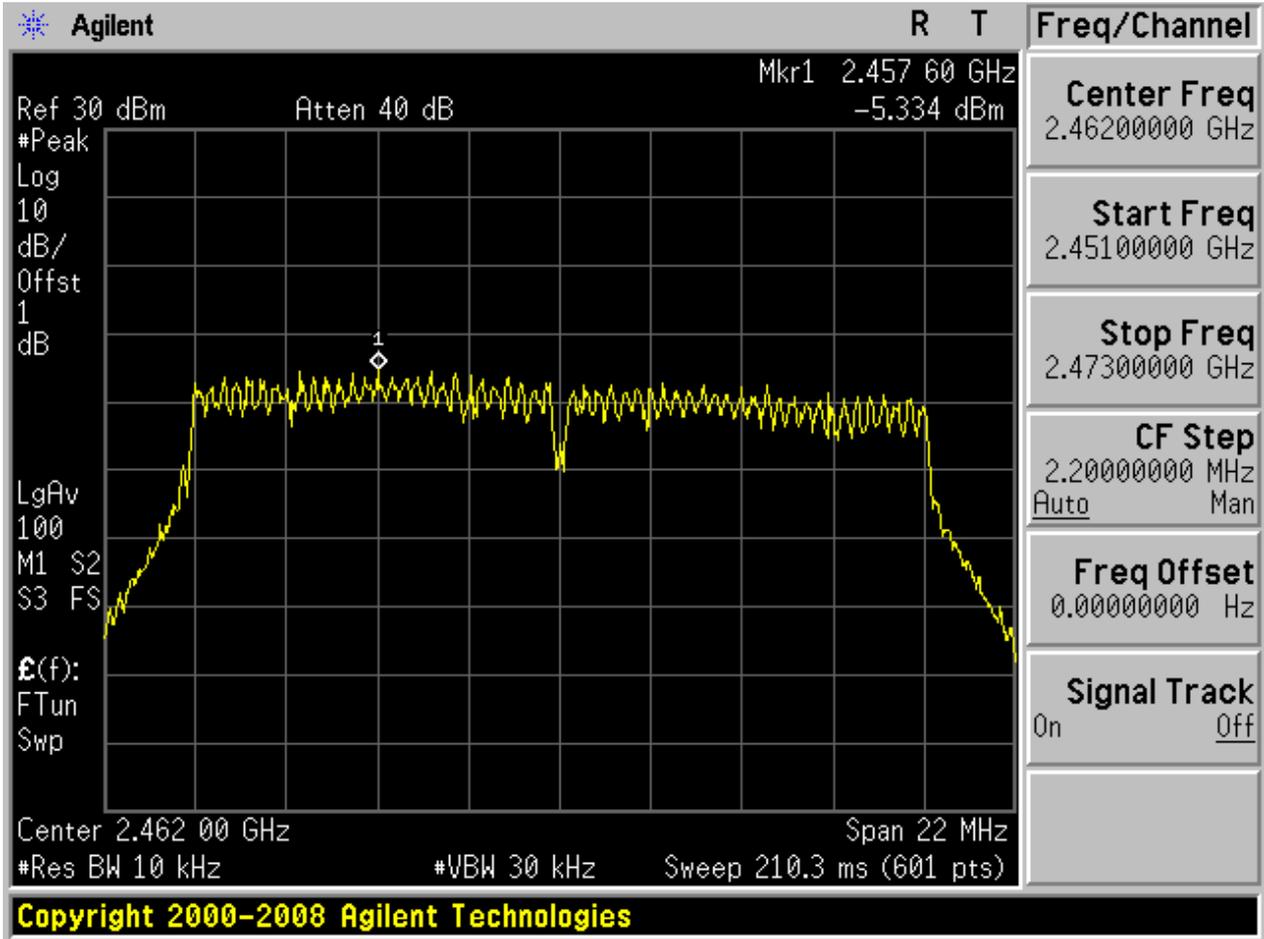


### 2.17 11N20\_H@Ant 1



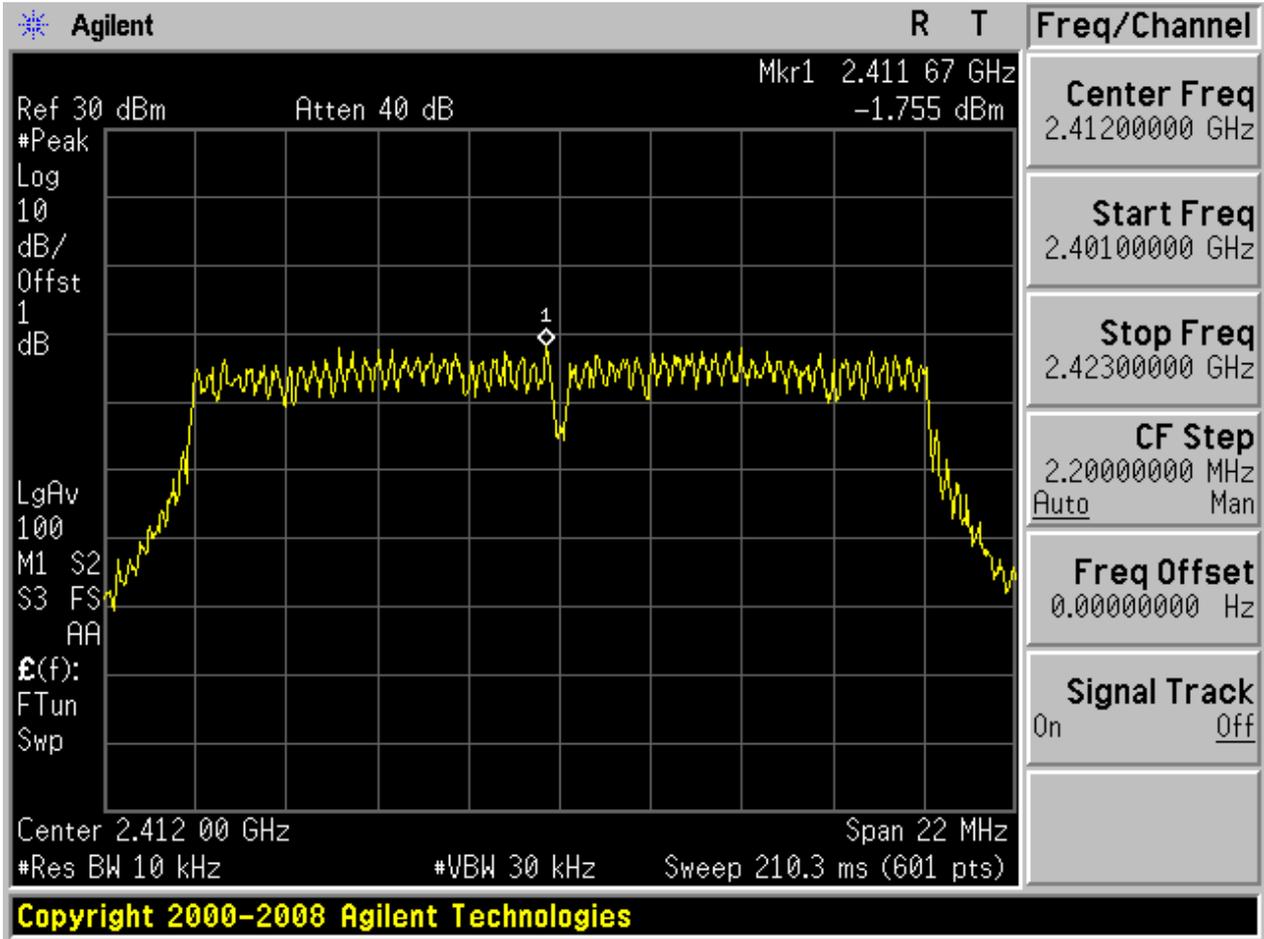


### 2.18 11N20\_H@Ant 2



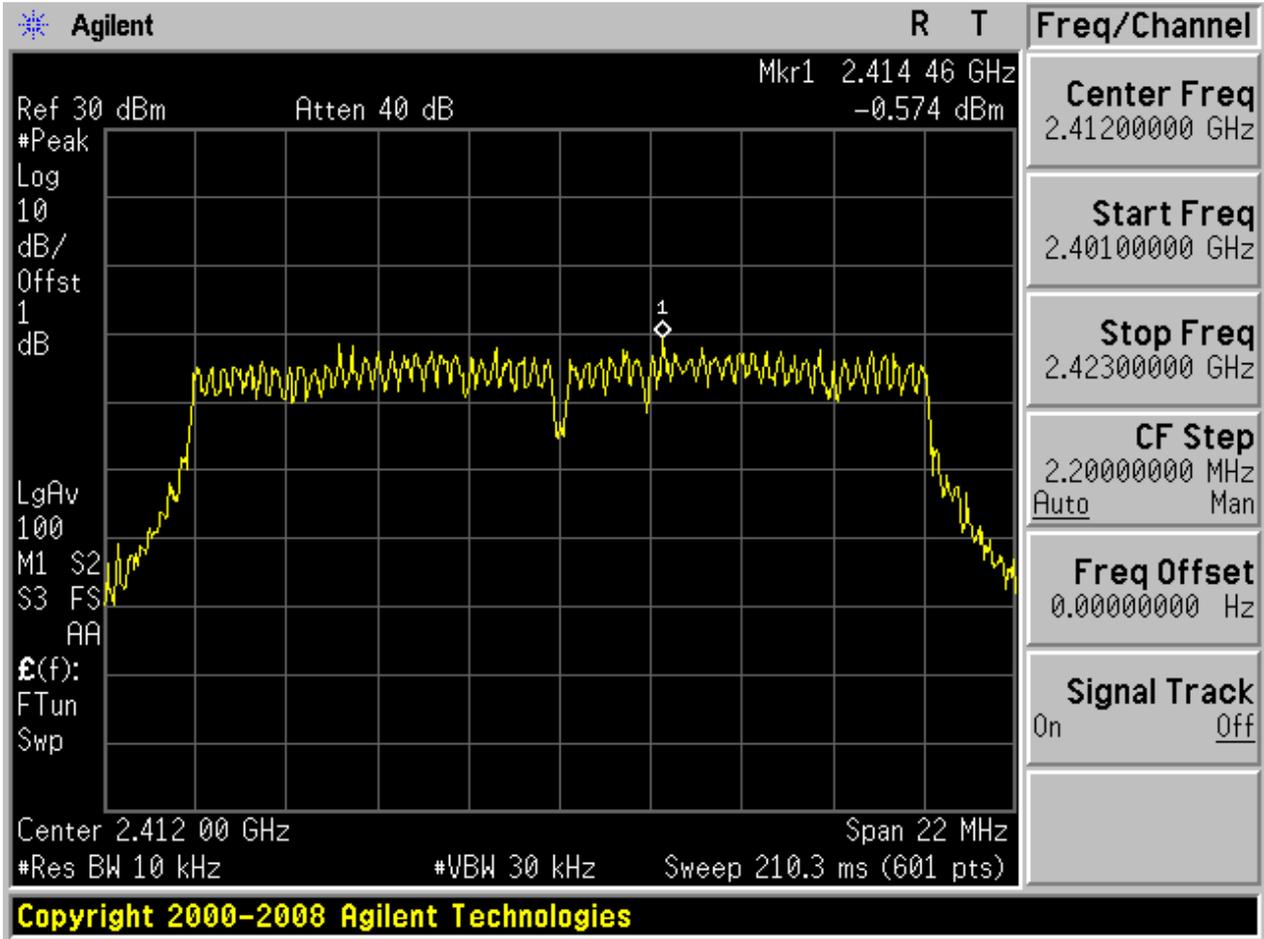


### 2.19 11N20m\_L@Ant 1



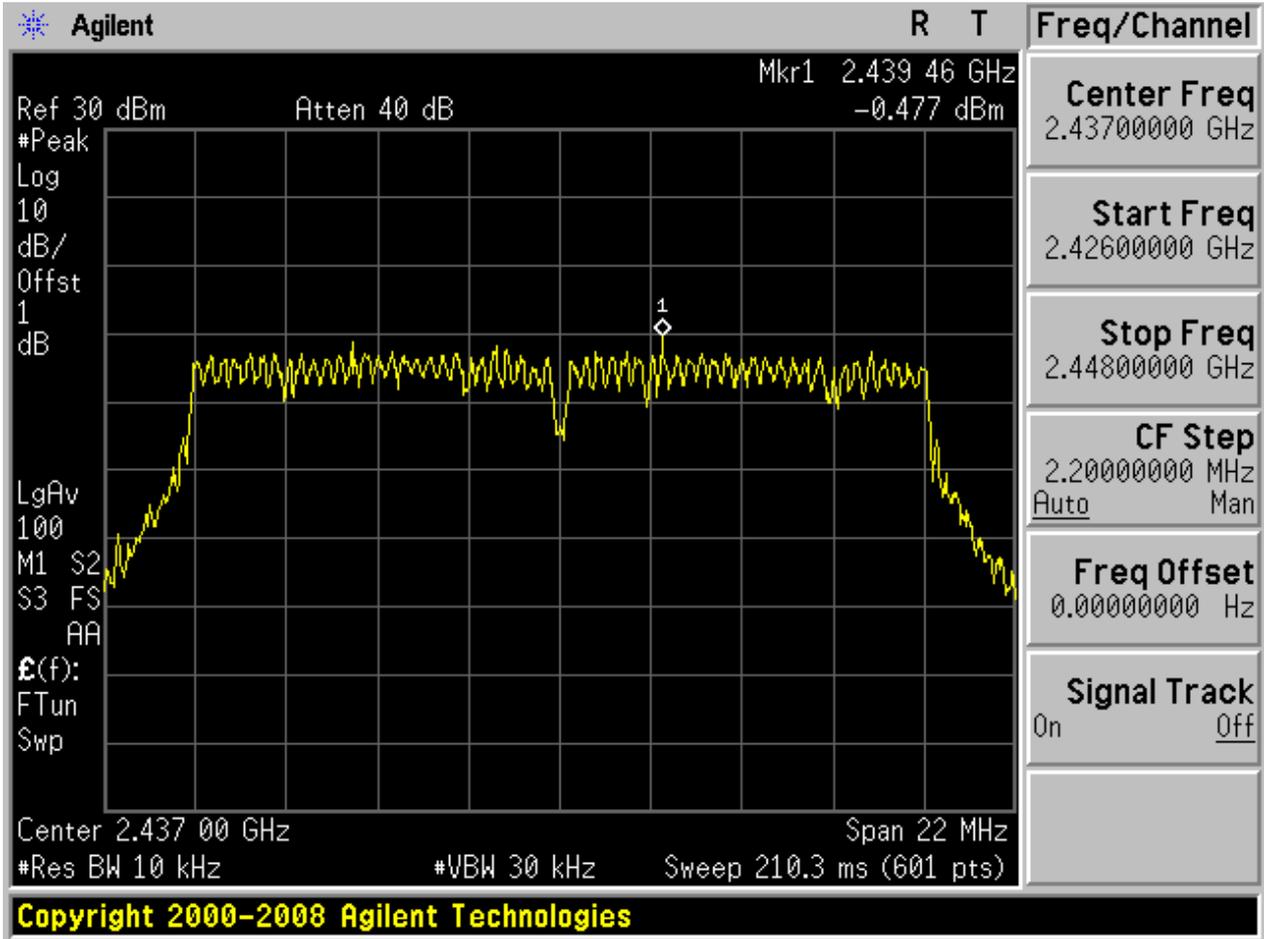


### 2.20 11N20m\_L@Ant 2



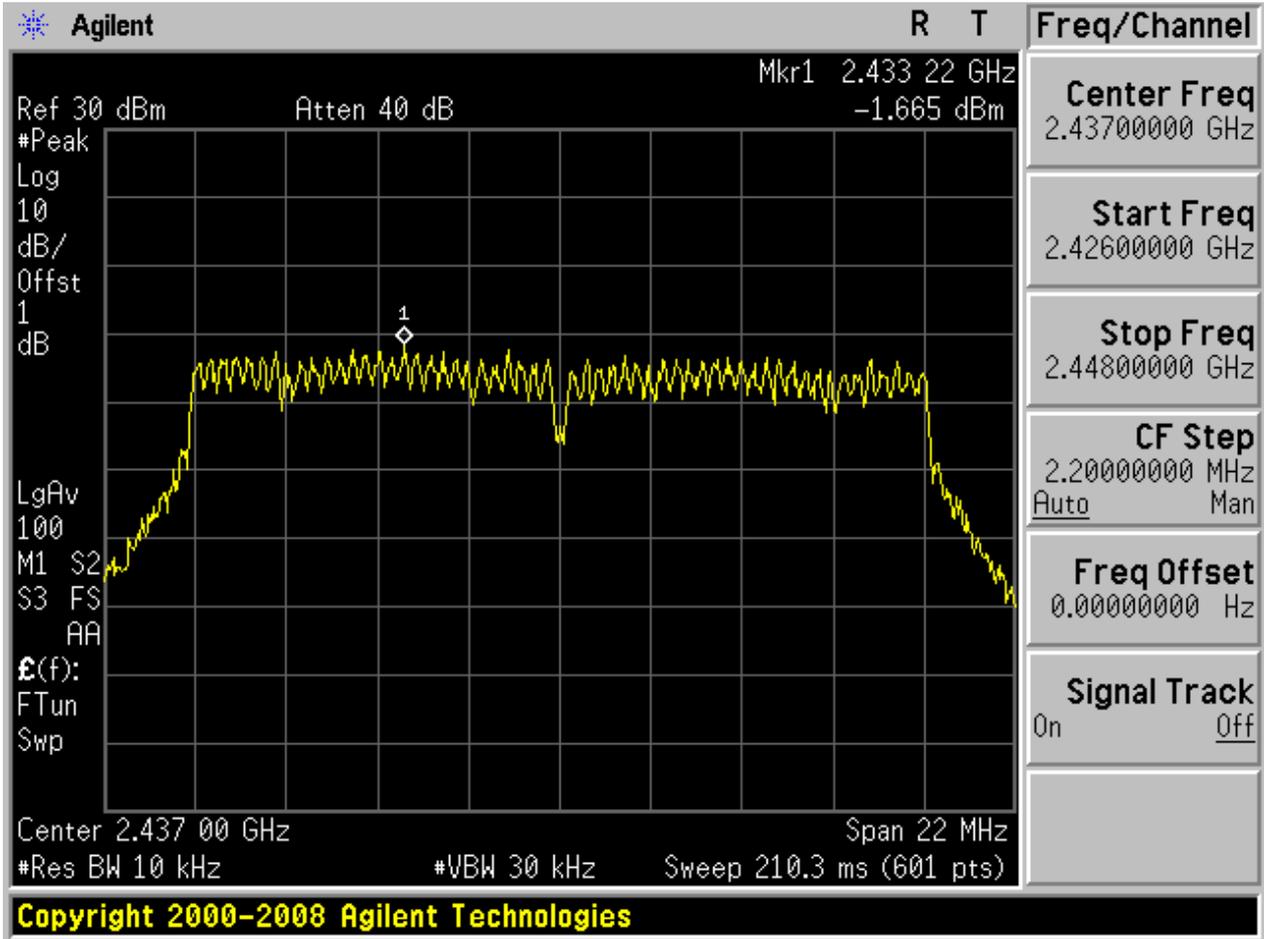


### 2.21 11N20m\_M@Ant 1



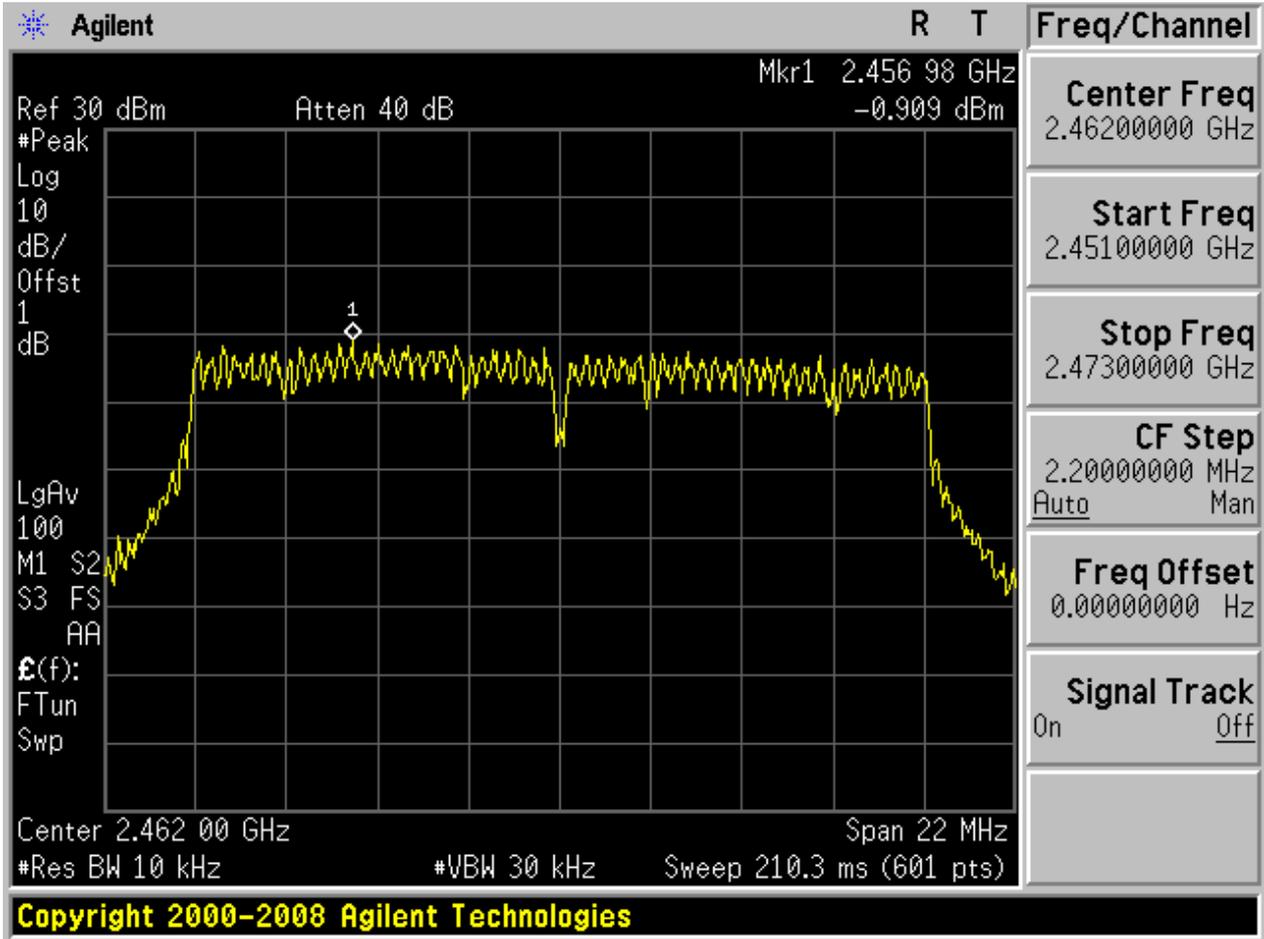


### 2.22 11N20m\_M@Ant 2



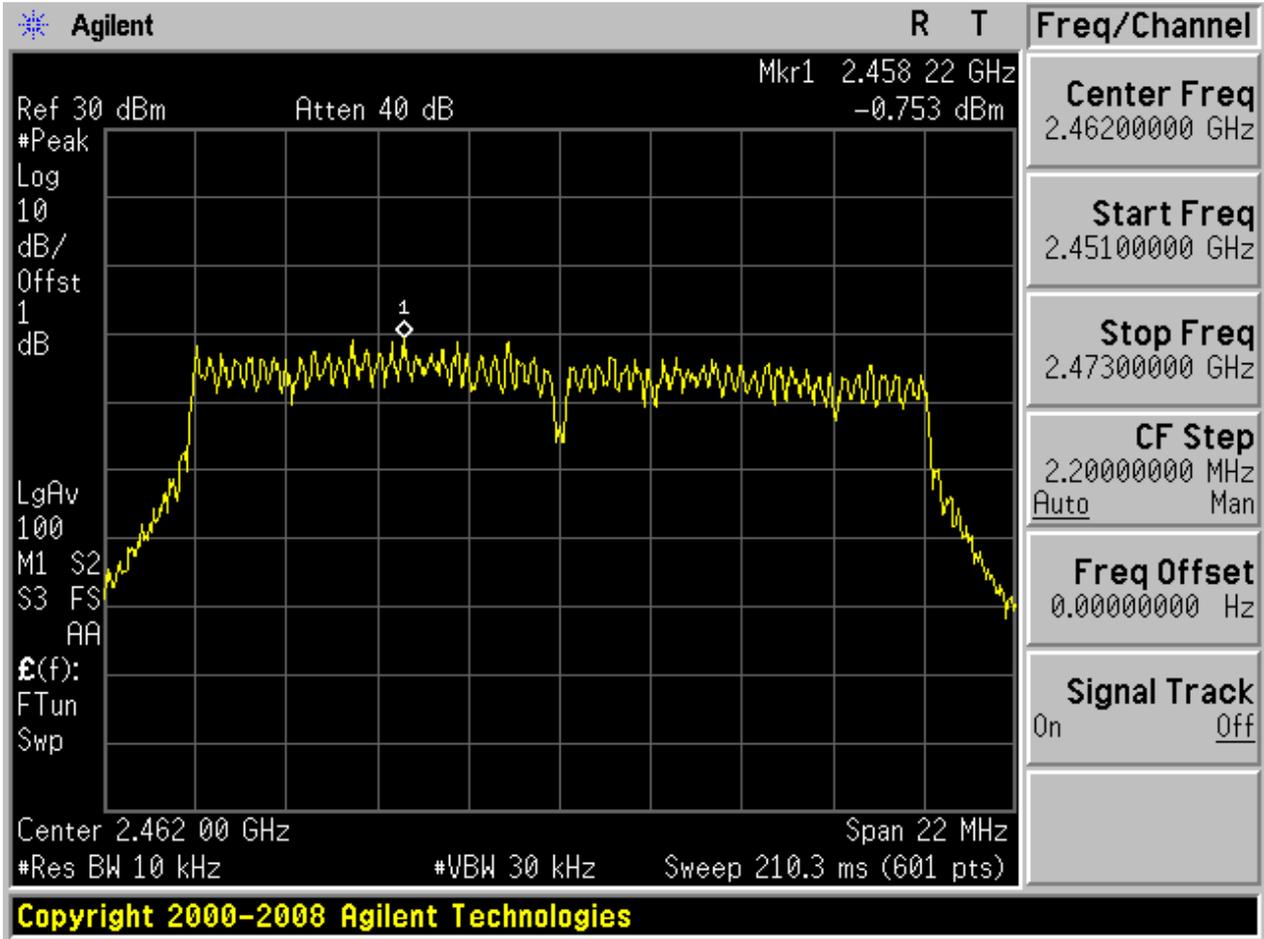


### 2.23 11N20m\_H@Ant 1



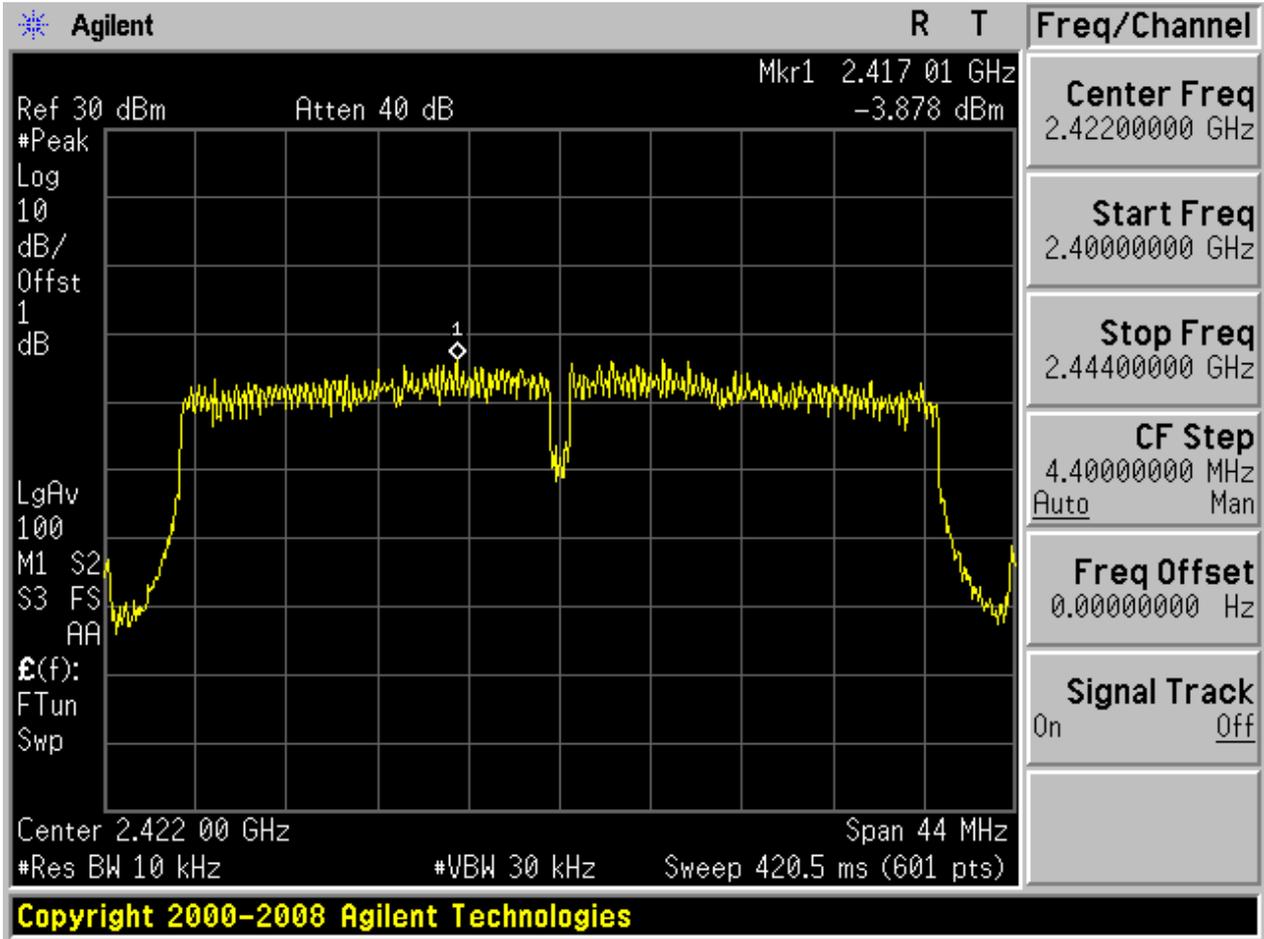


### 2.24 11N20m\_H@Ant 2



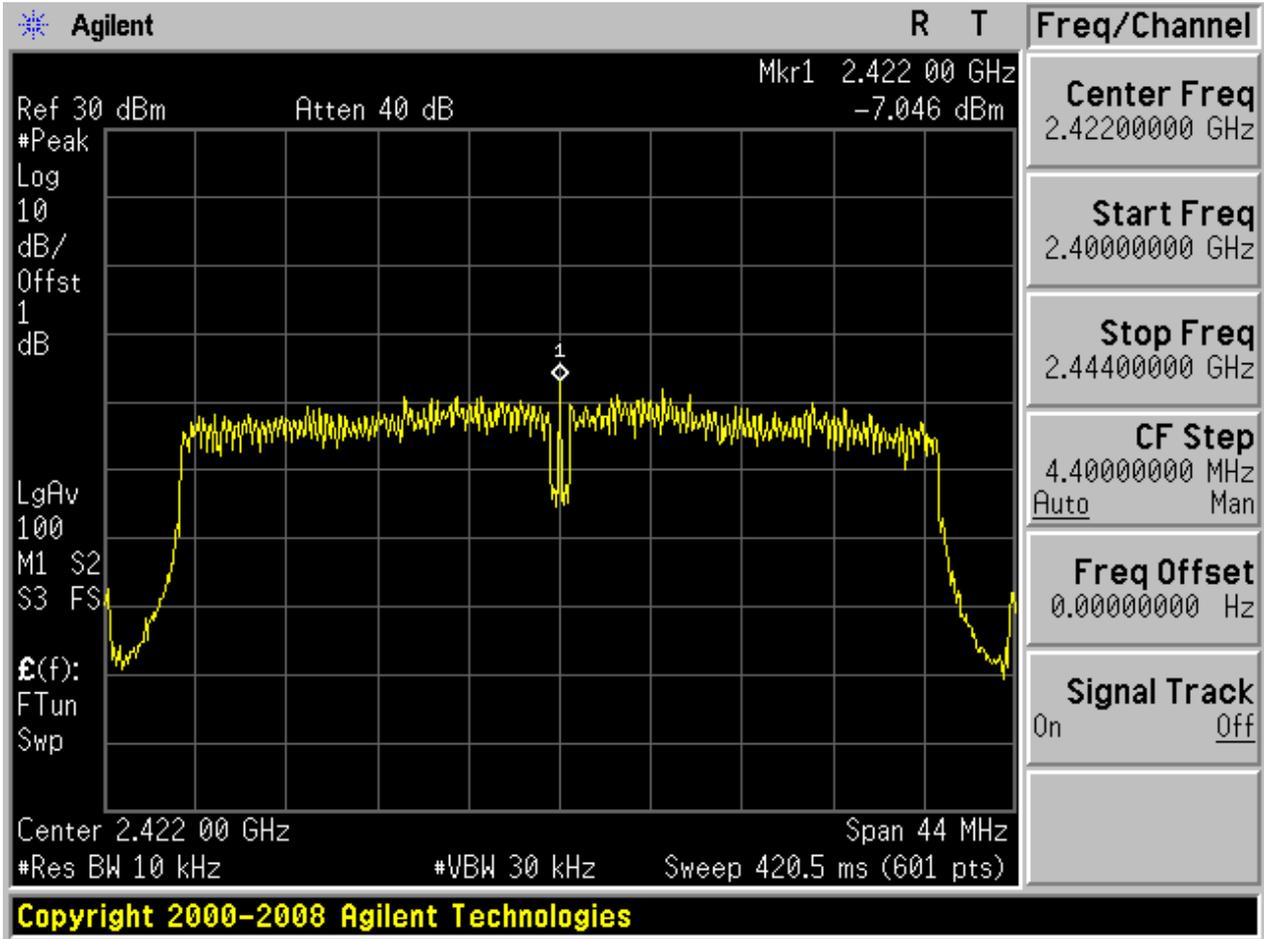


### 2.25 11N40\_L@Ant 1



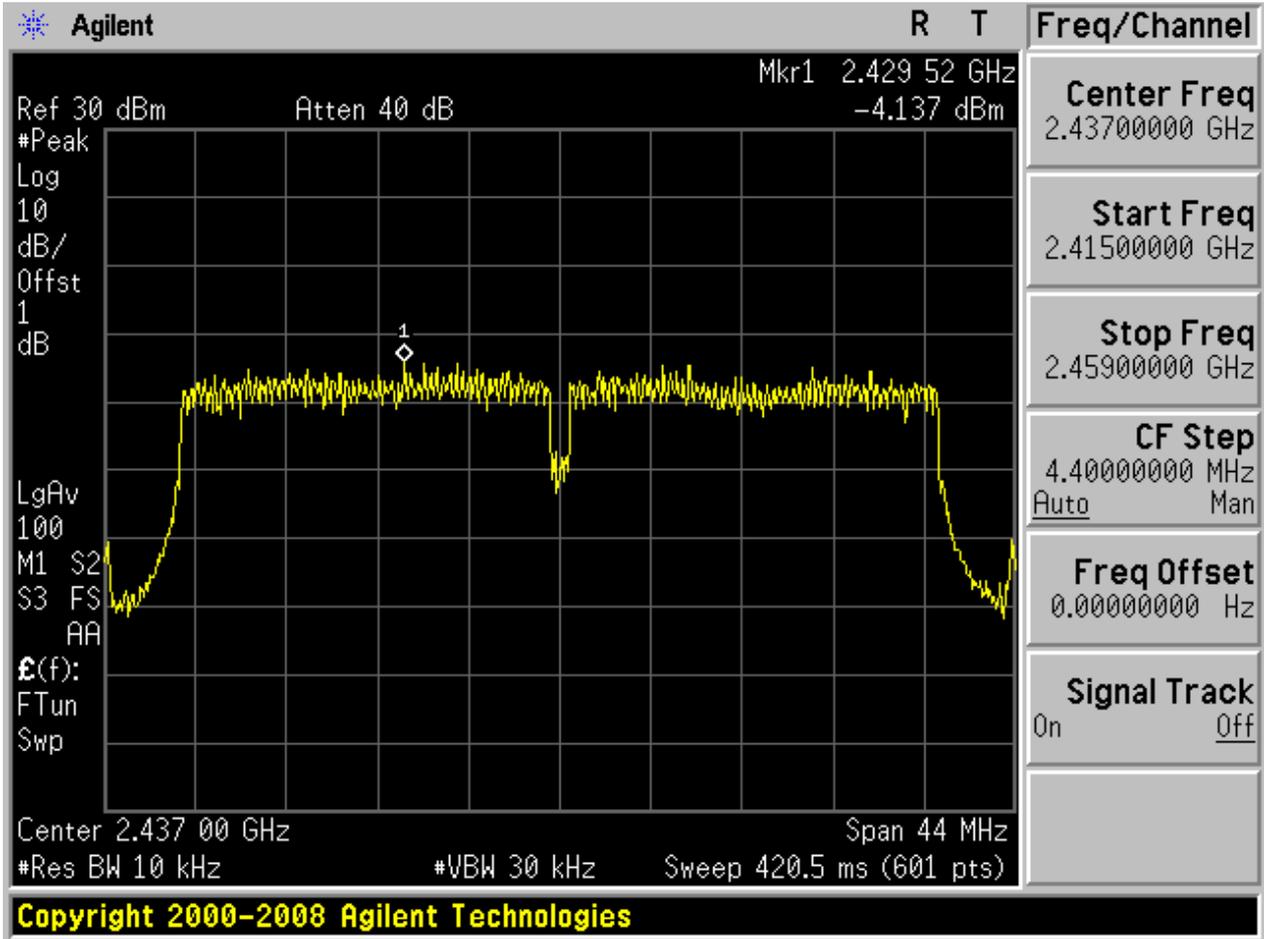


### 2.26 11N40\_L@Ant 2



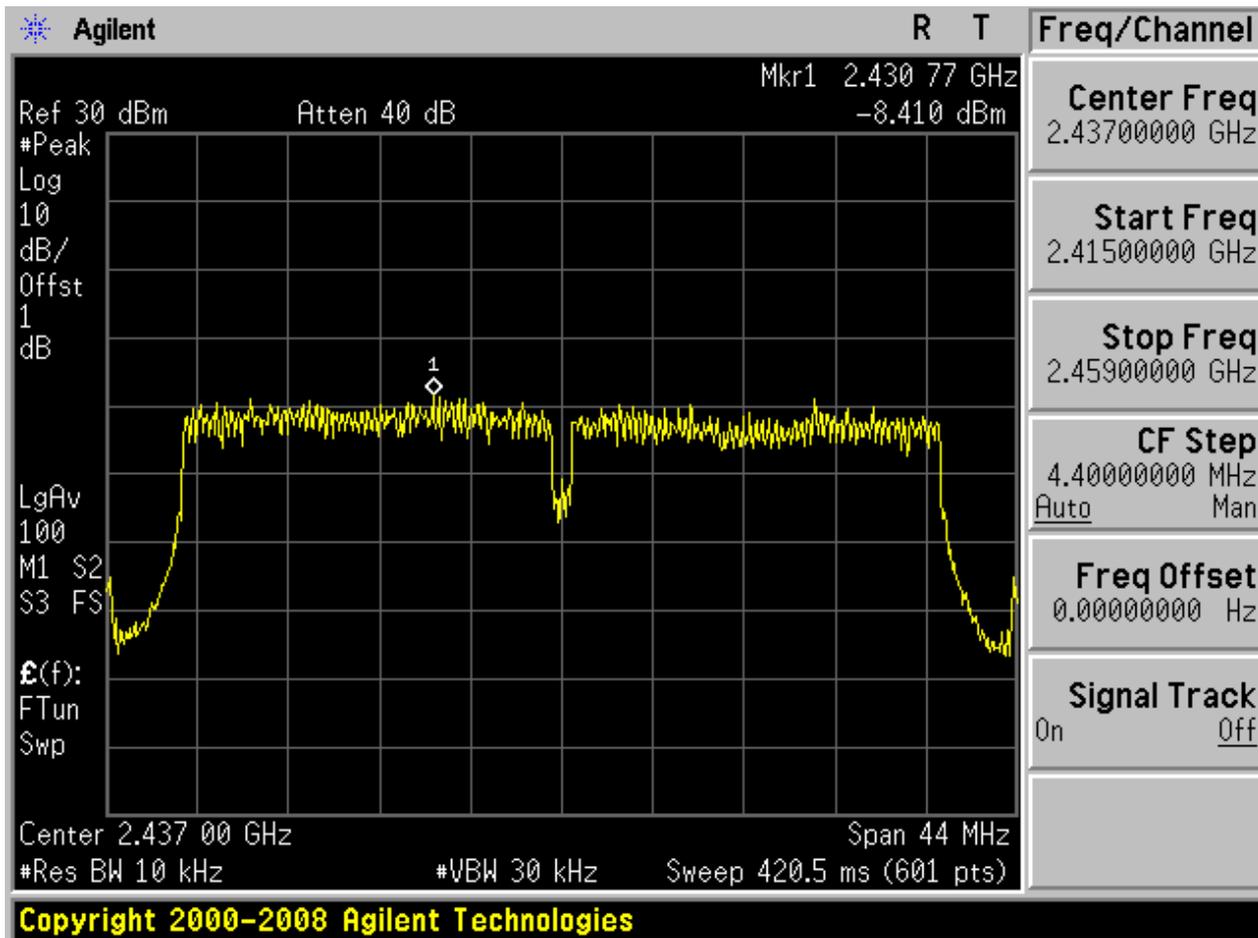


### 2.27 11N40\_M@Ant 1



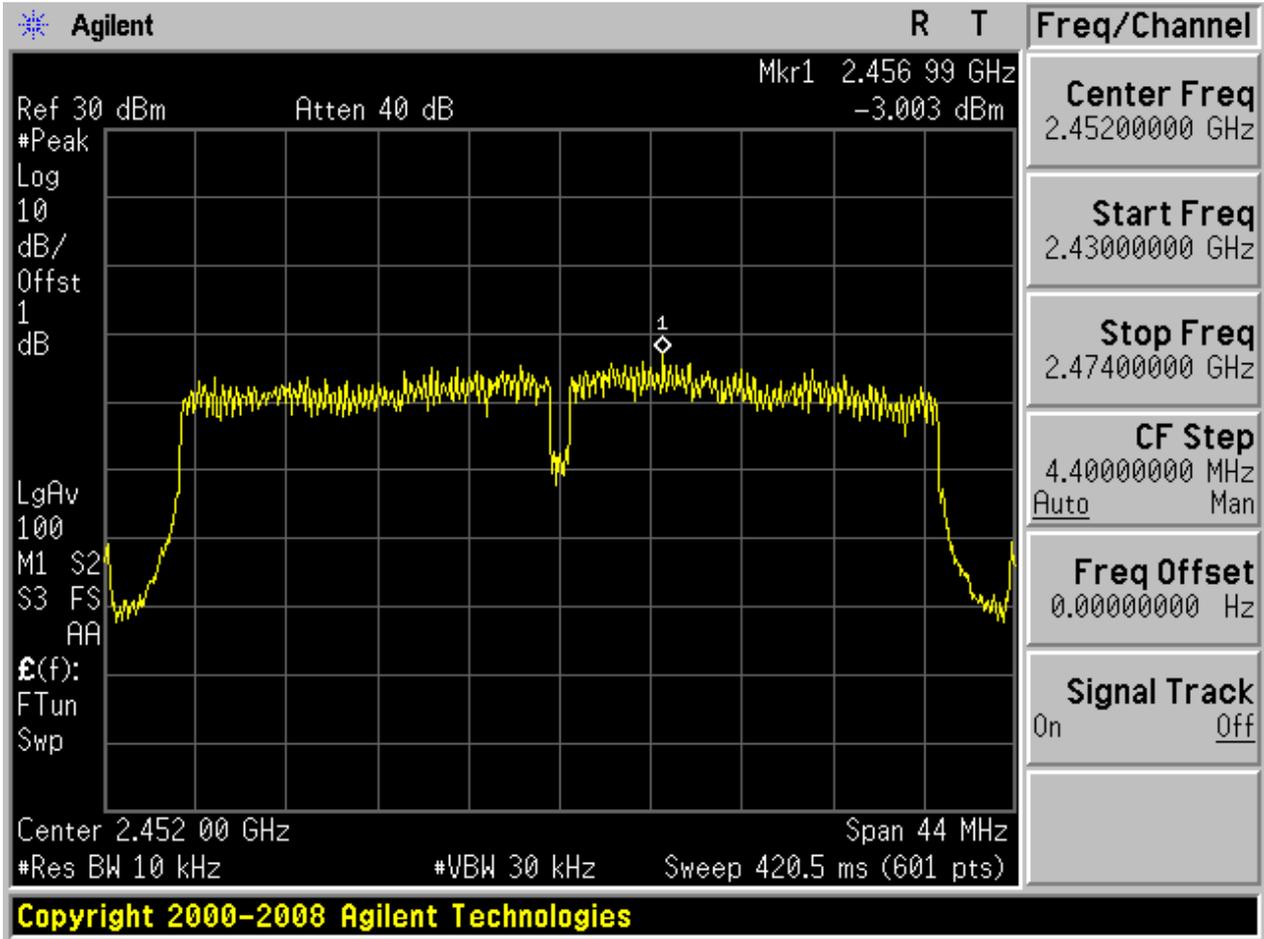


### 2.28 11N40\_M@Ant 2

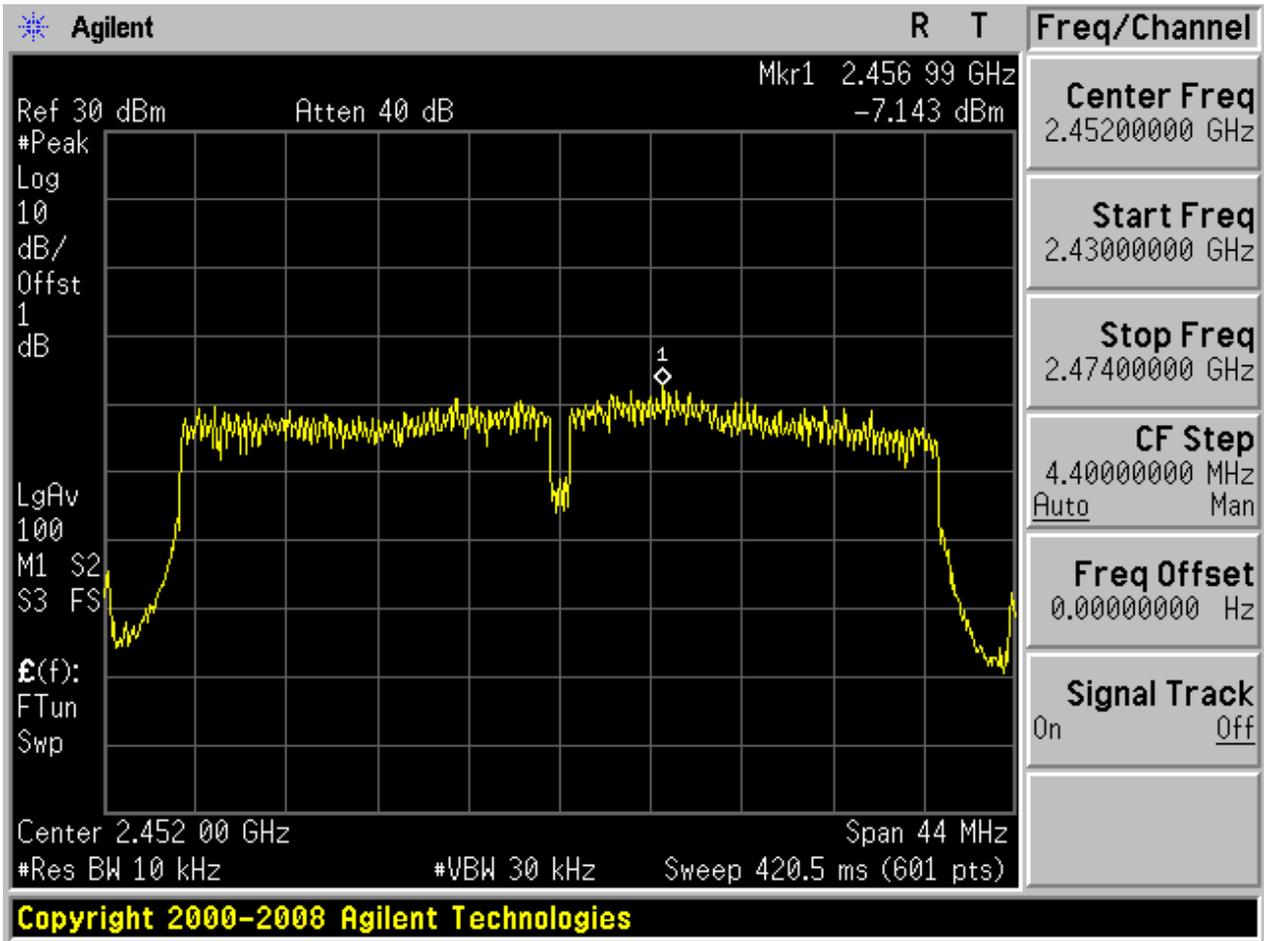




### 2.29 11N40\_H@Ant 1

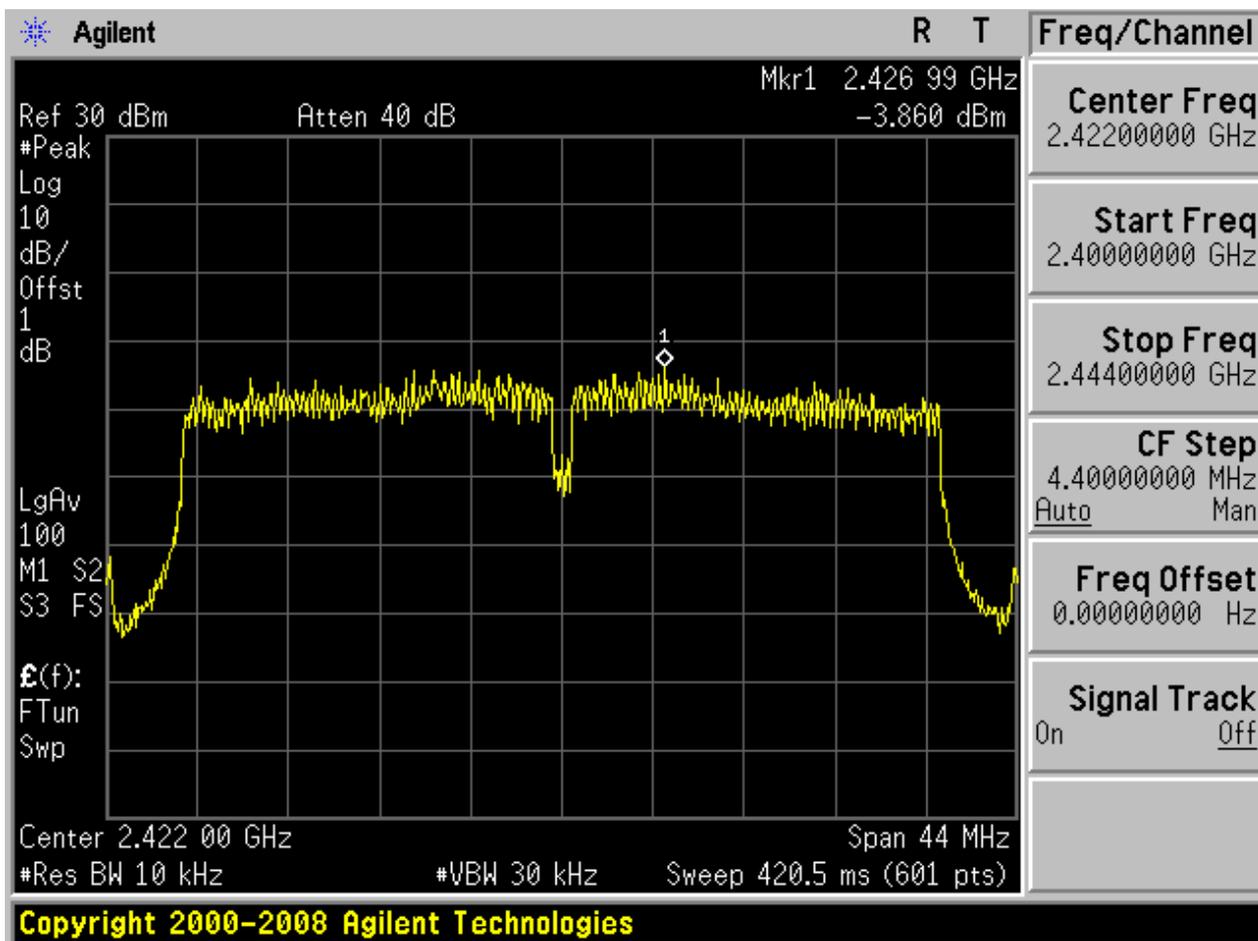


2.30 11N40\_H@Ant 2



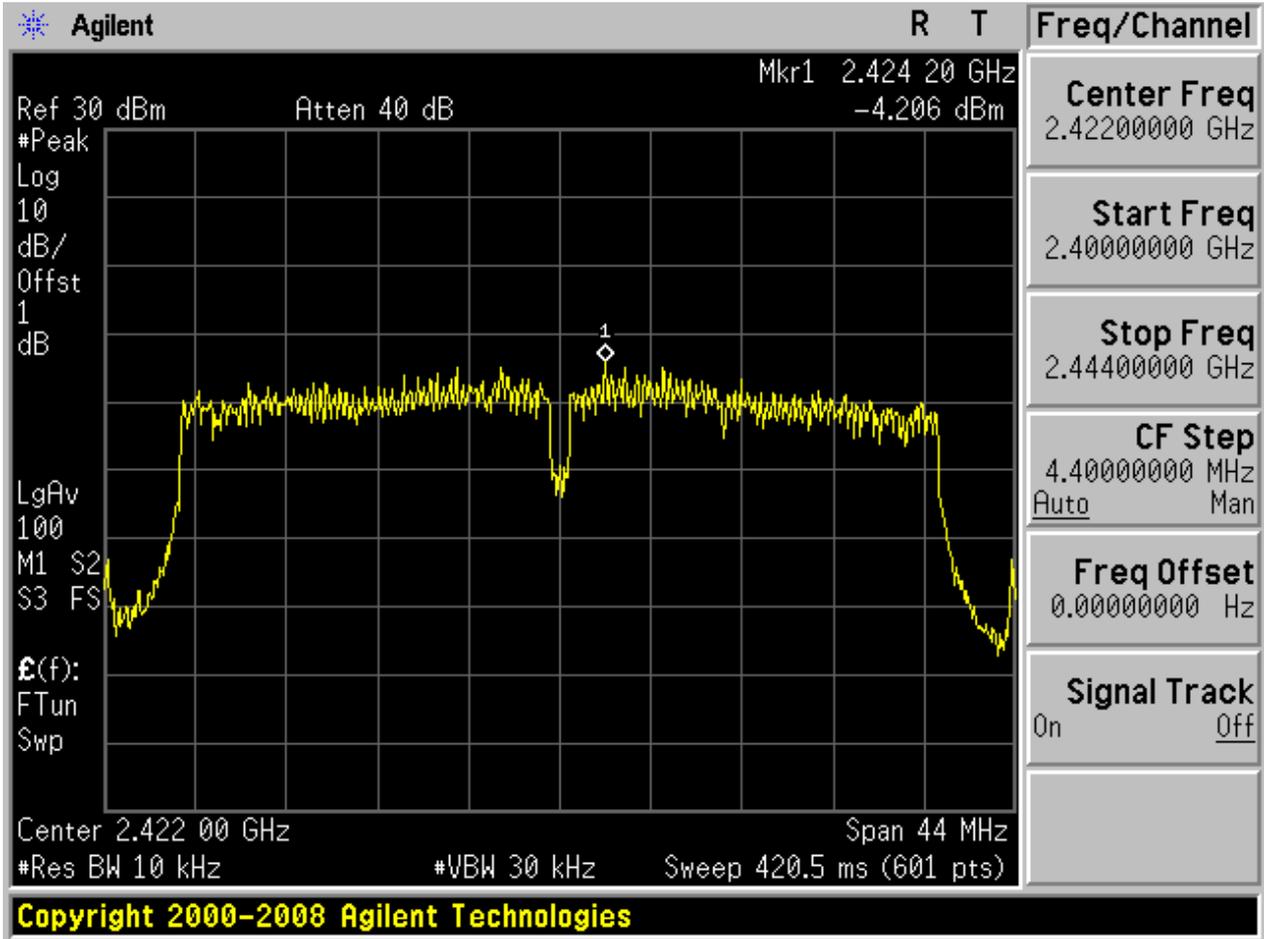


### 2.31 11N40m\_L@Ant 1



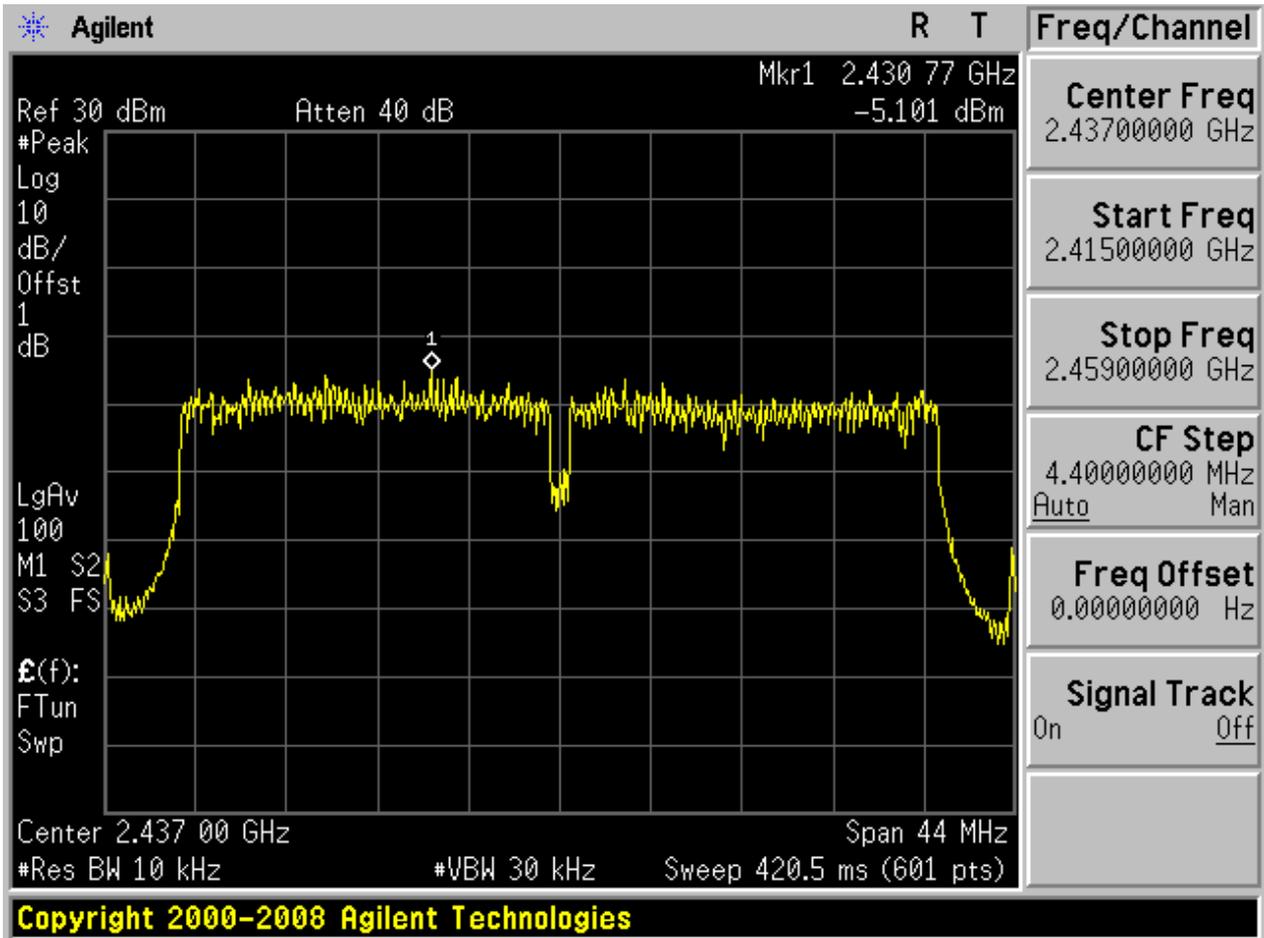


### 2.32 11N40m\_L@Ant 2



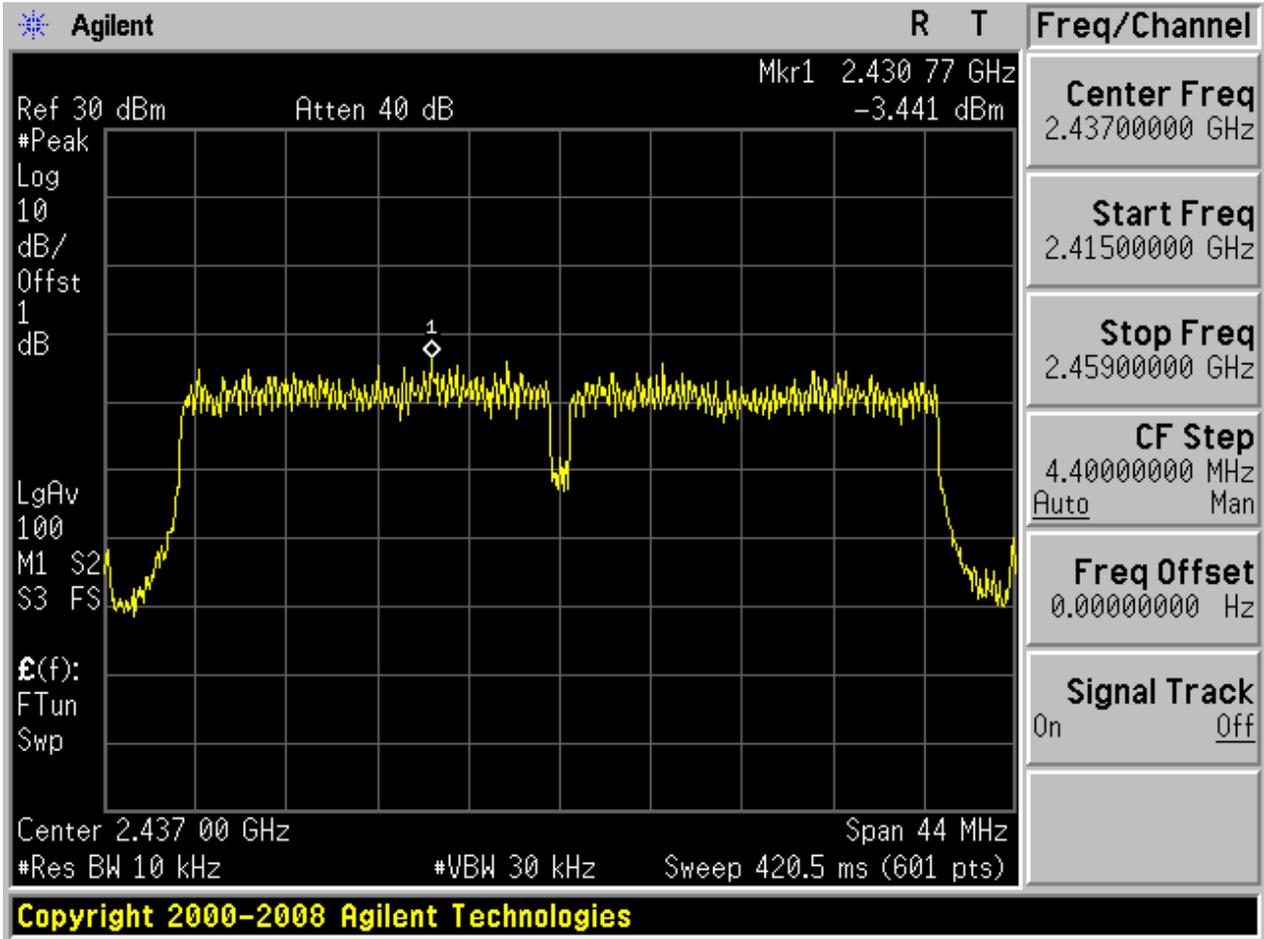


### 2.34 11N40m\_M@Ant 2



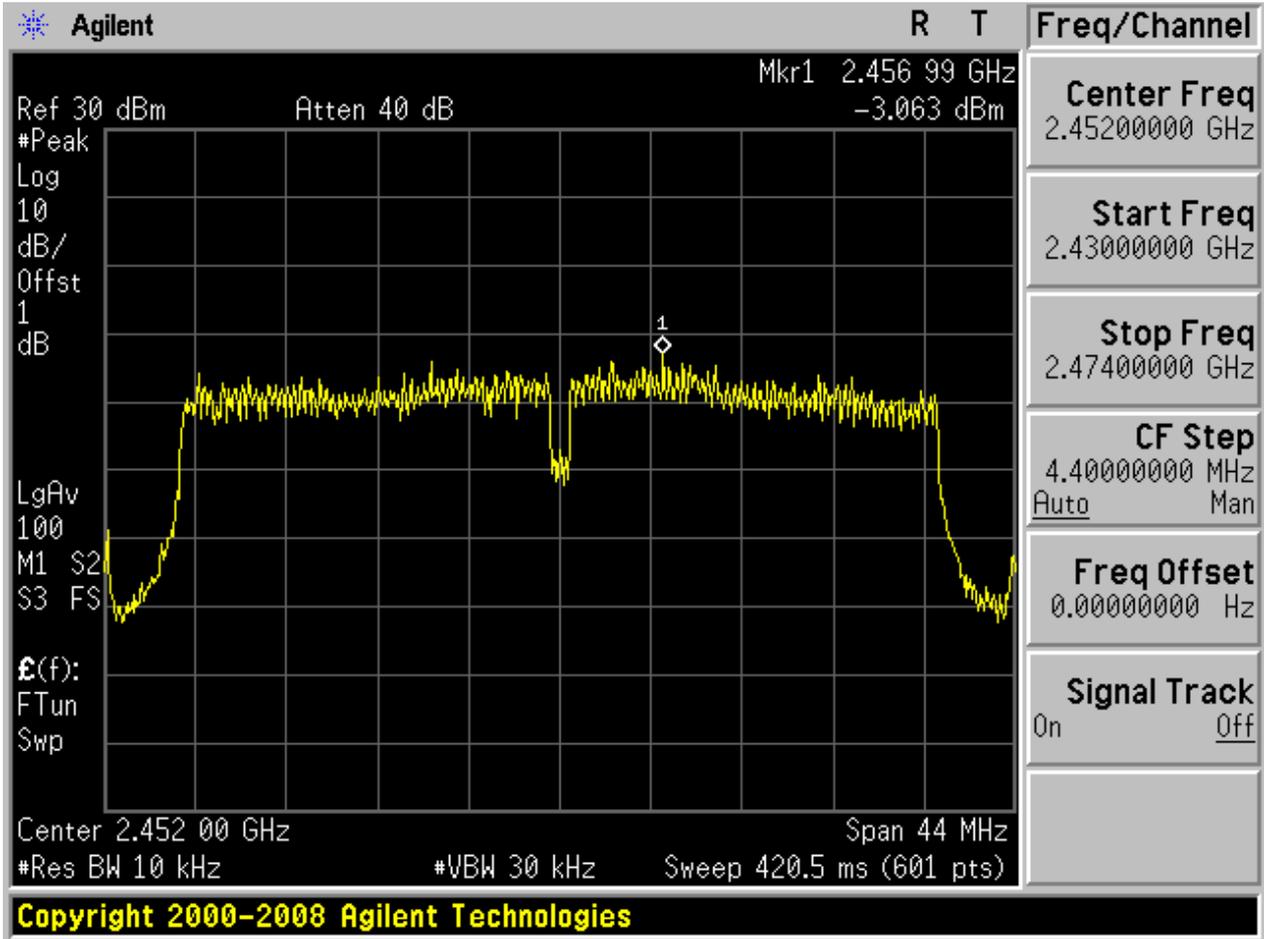


### 2.33 11N40m\_M@Ant 1



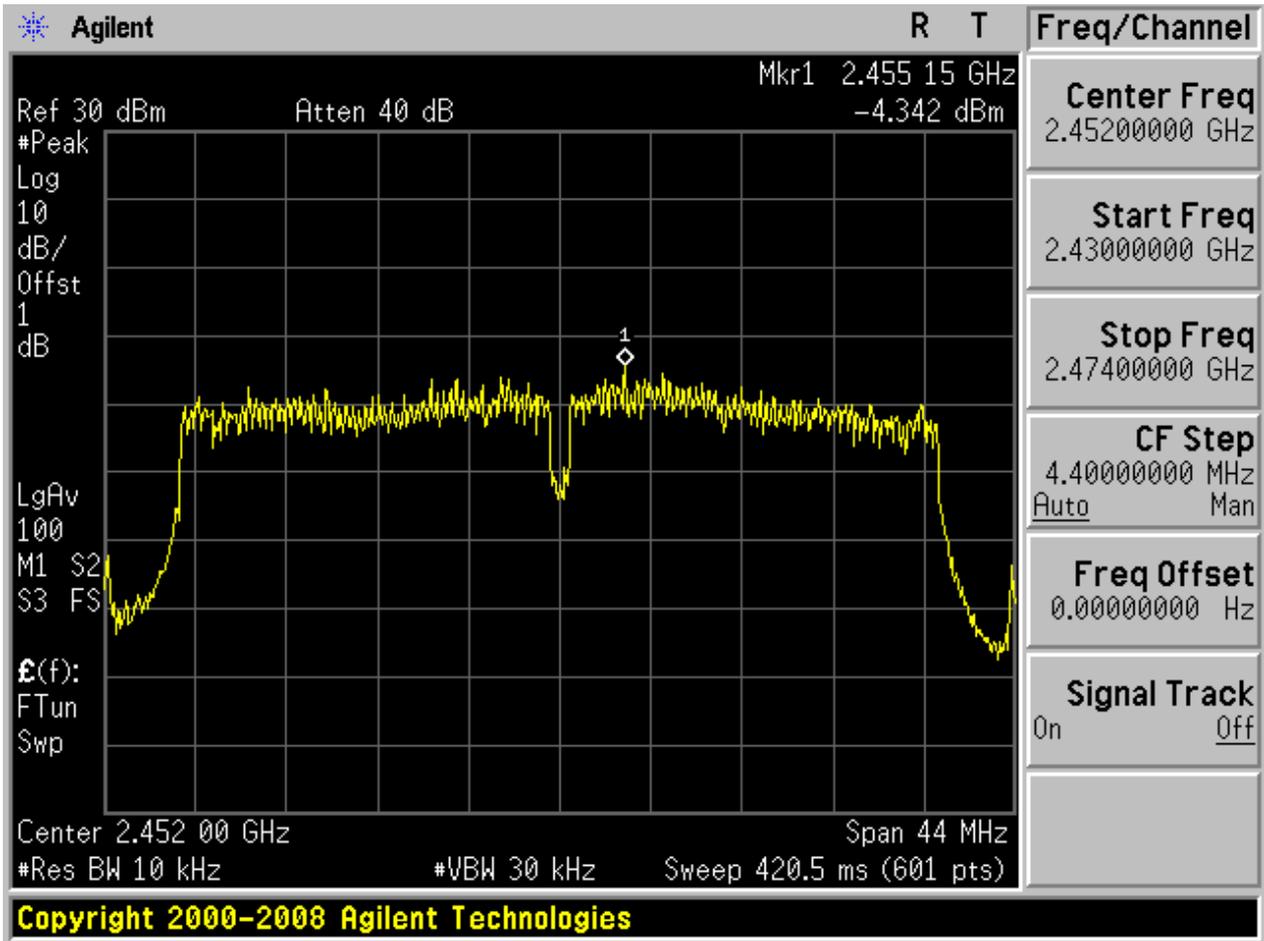


### 2.35 11N40m\_H@Ant 1





### 2.36 11N40m\_H@Ant 2





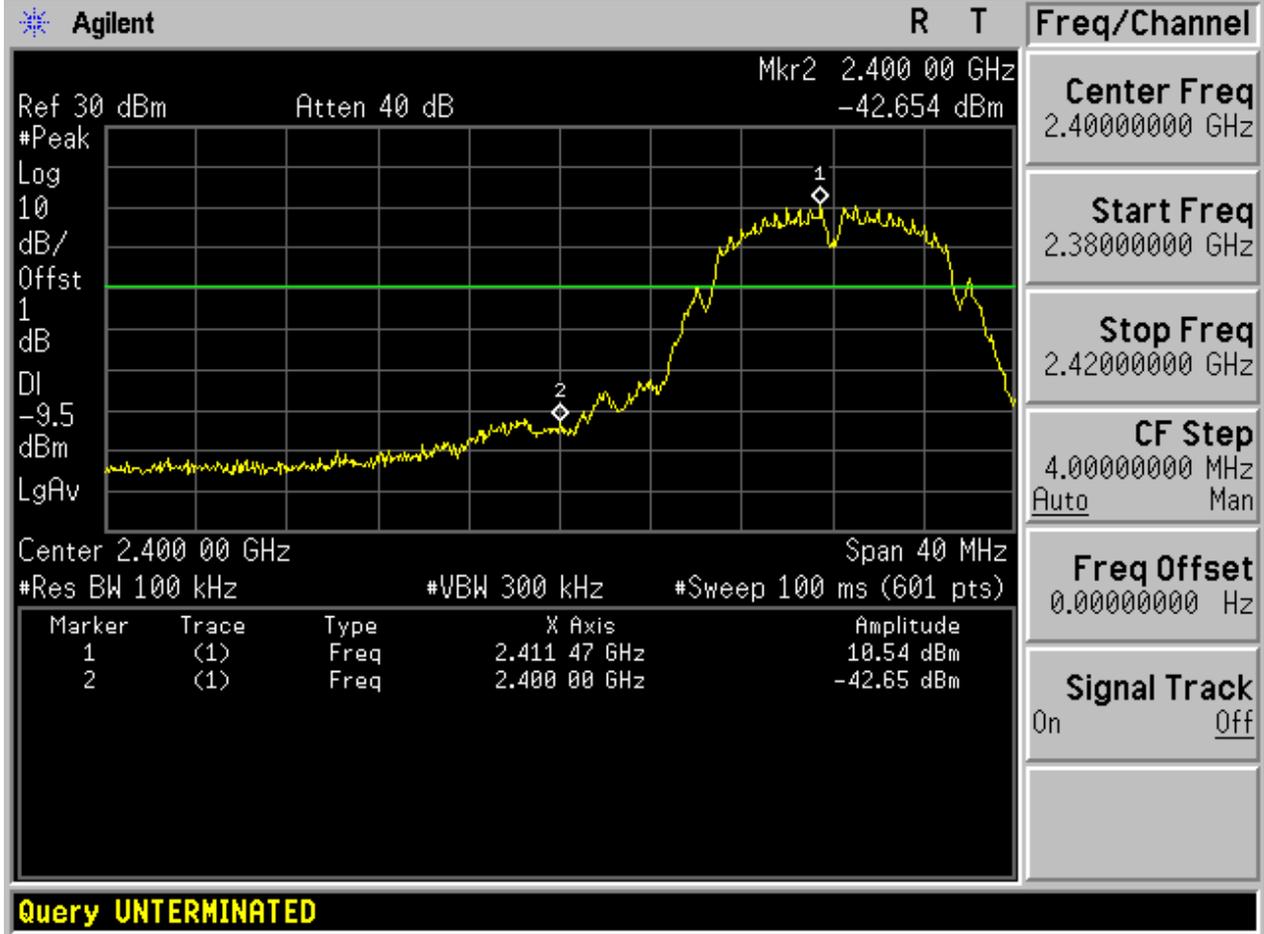
## Appendix D: Band Edges Compliance

### Part I - Test Results

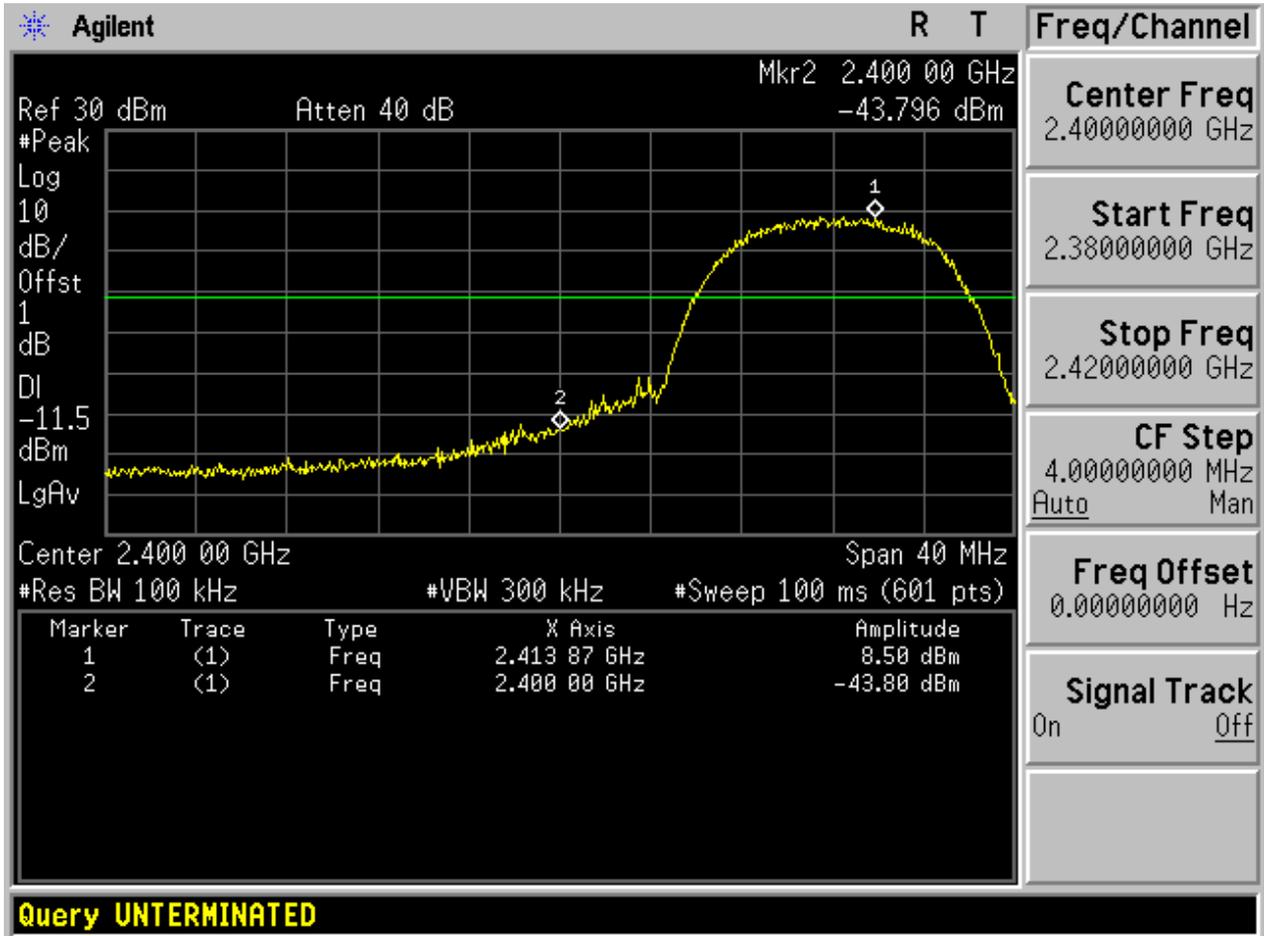
Test Mode	Test Channel	Frequency[MHz]	Ant	Carrier Power[dBm]	Max.Spurious Level[dBm]	Verdict
11B	L	2412	Ant 1	10.54	-42.65	pass
11B	L	2412	Ant 2	8.50	-43.80	pass
11B	H	2462	Ant 1	10.29	-50.47	pass
11B	H	2462	Ant 2	10.10	-51.86	pass
11G	L	2412	Ant 1	6.56	-28.07	pass
11G	L	2412	Ant 2	5.25	-29.16	pass
11G	H	2462	Ant 1	6.63	-37.53	pass
11G	H	2462	Ant 2	6.62	-42.76	pass
11N20	L	2412	Ant 1	6.44	-28.09	pass
11N20	L	2412	Ant 2	2.17	-32.95	pass
11N20	H	2462	Ant 1	7.34	-38.25	pass
11N20	H	2462	Ant 2	7.54	-38.19	pass
11N20m	L	2412	Ant 1	2.04	-35.41	pass
11N20m	L	2412	Ant 2	3.21	-46.47	pass
11N20m	H	2462	Ant 1	7.48	-40.99	pass
11N20m	H	2462	Ant 2	8.08	-37.16	pass
11N40	L	2422	Ant 1	4.97	-35.91	pass
11N40	L	2422	Ant 2	0.85	-41.23	pass
11N40	H	2452	Ant 1	5.66	-30.98	pass
11N40	H	2452	Ant 2	4.20	-42.30	pass
11N40m	L	2422	Ant 1	0.28	-31.04	pass
11N40m	L	2422	Ant 2	2.51	-39.78	pass
11N40m	H	2452	Ant 1	4.03	-43.95	pass
11N40m	H	2452	Ant 2	5.74	-35.50	pass

## Part II - Test Plots

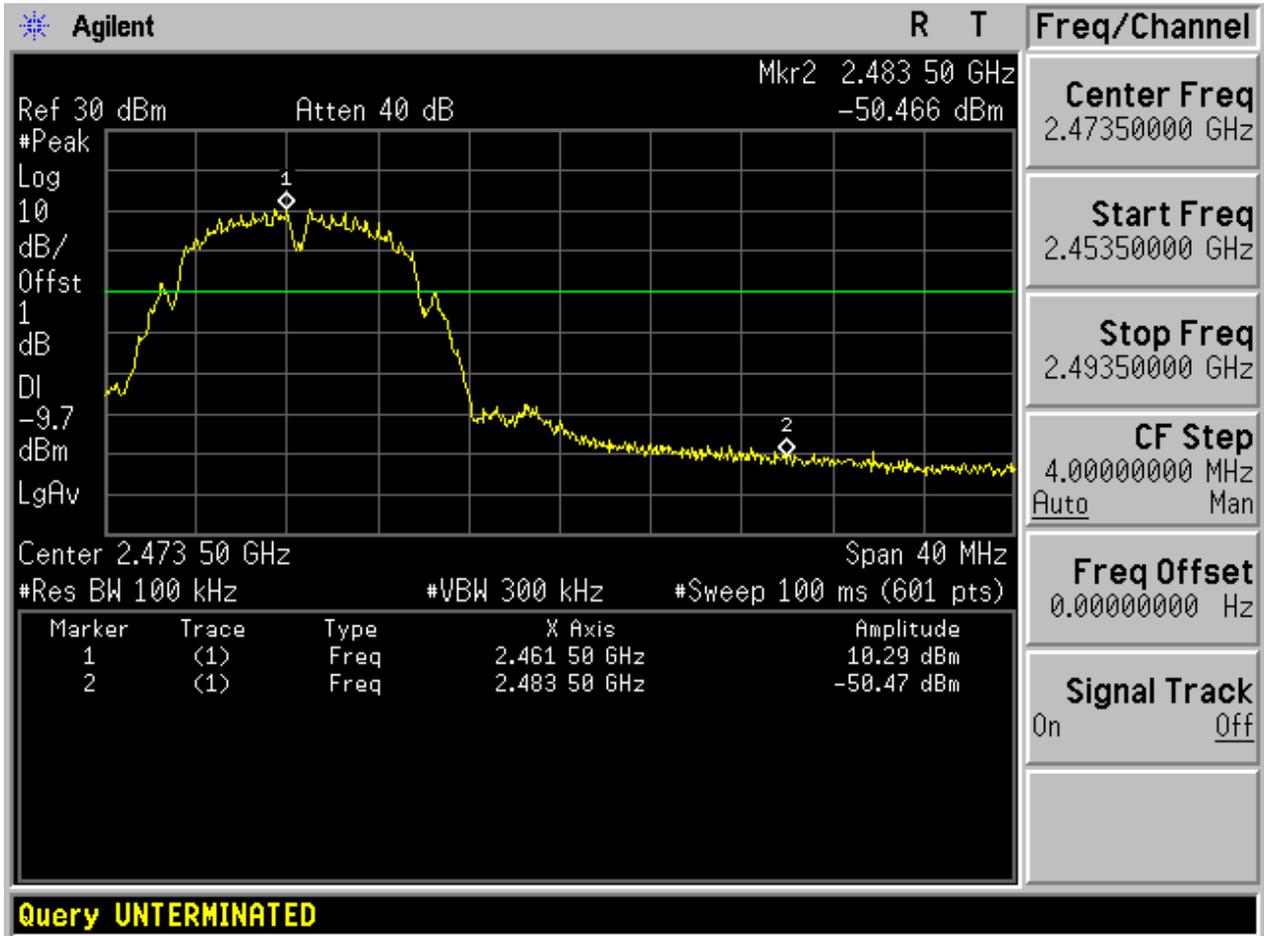
### 3.1 11B\_L@Ant 1



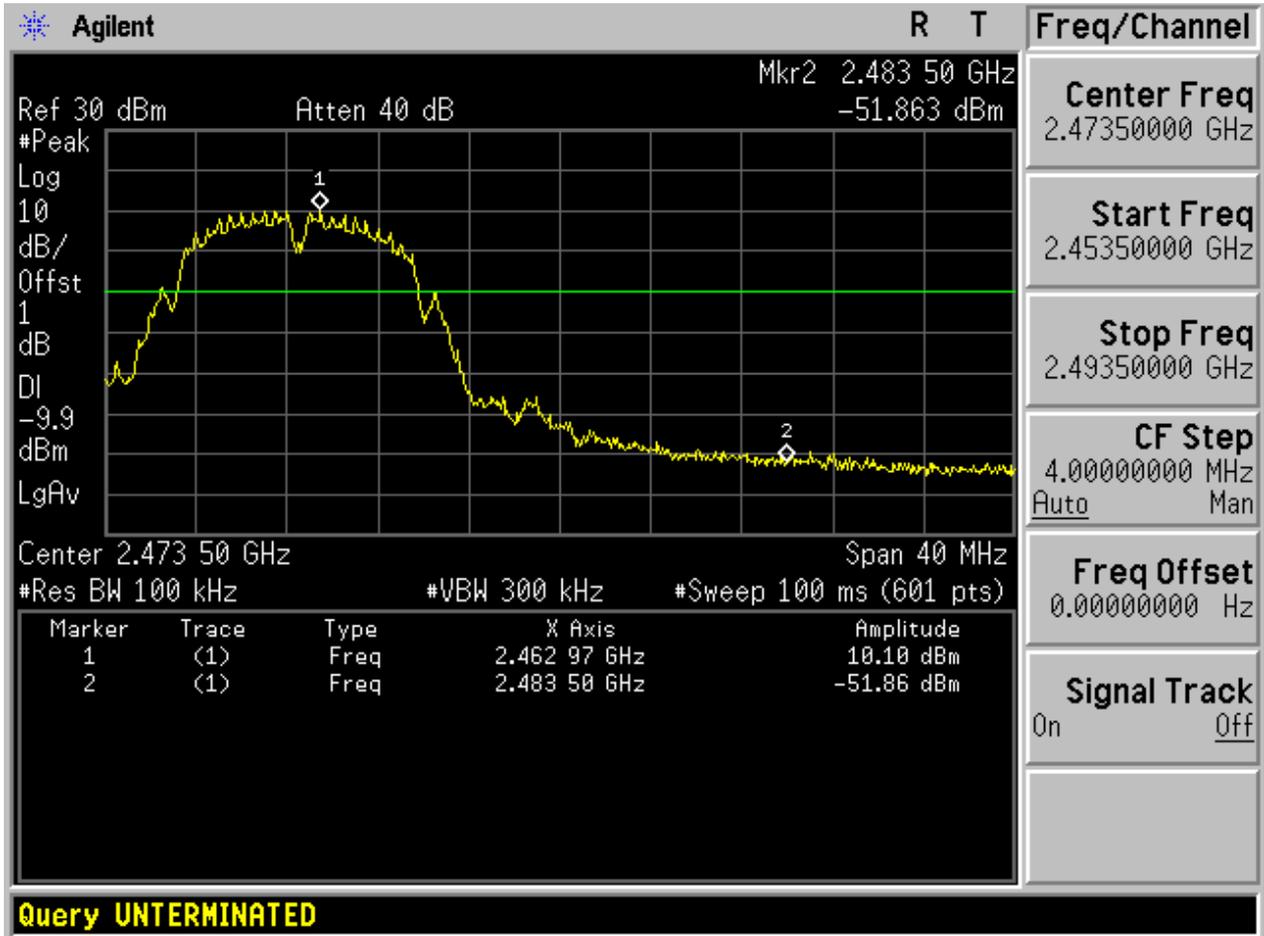
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### 3.3 11B\_H@Ant 1

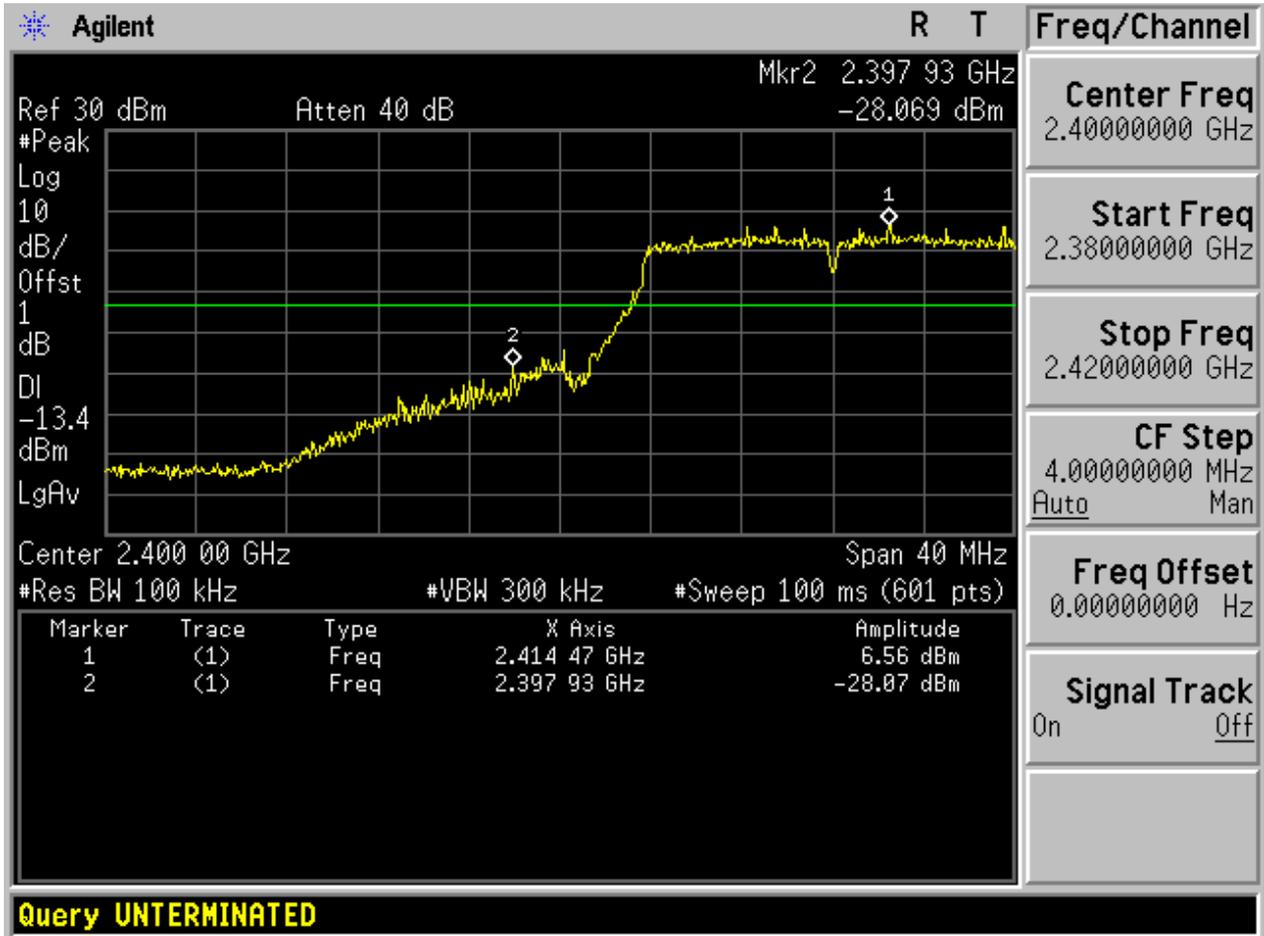


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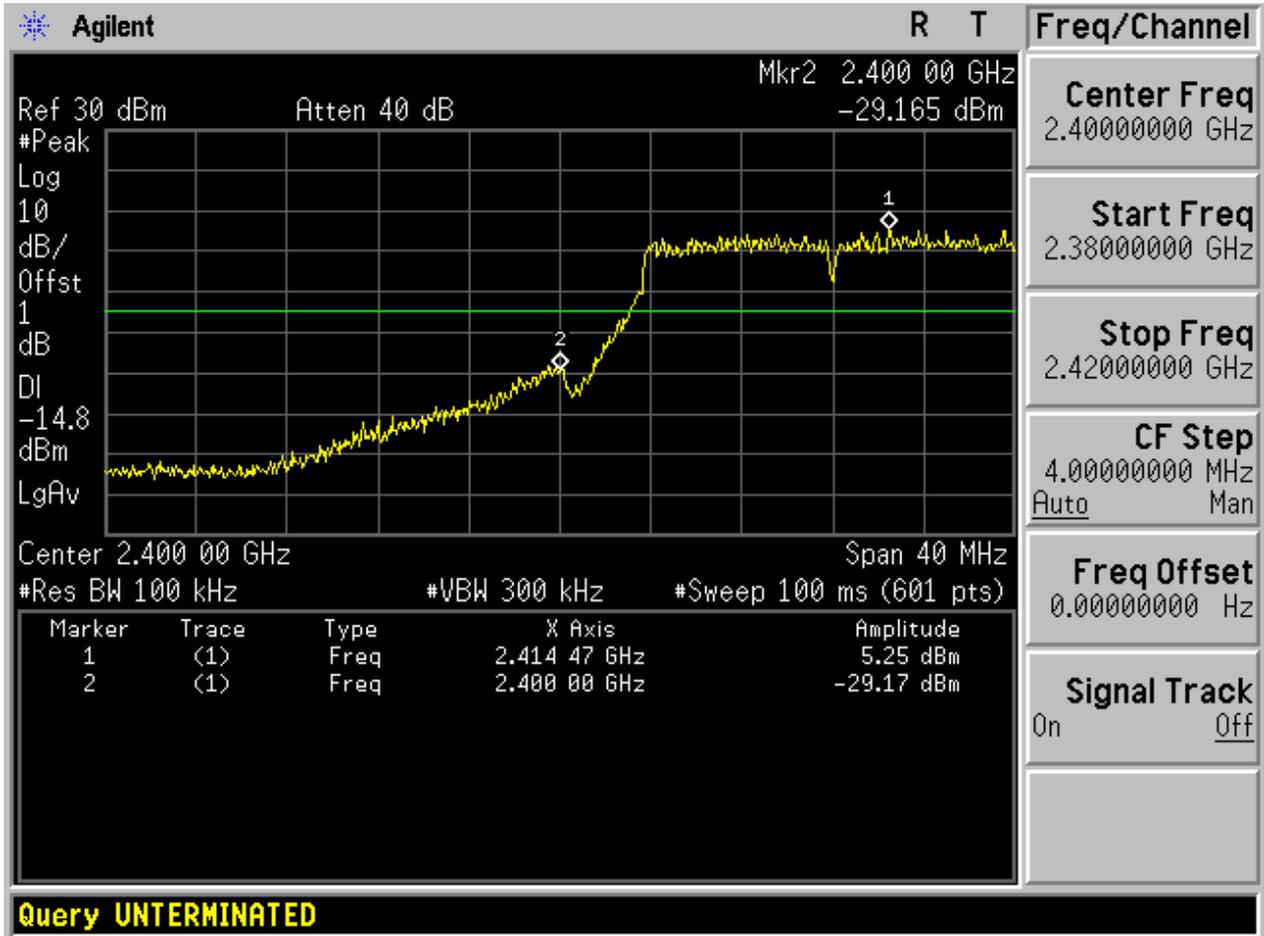


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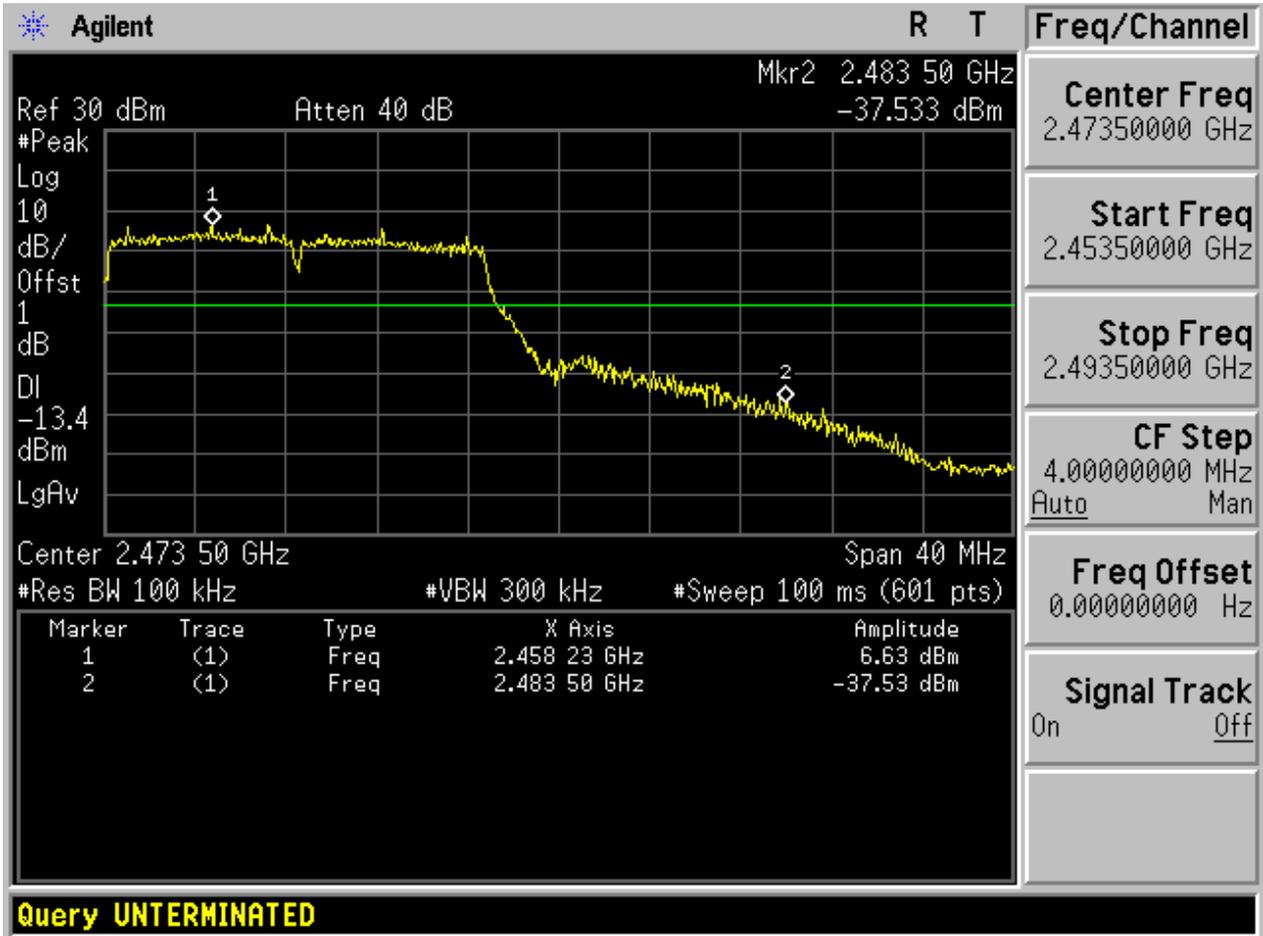


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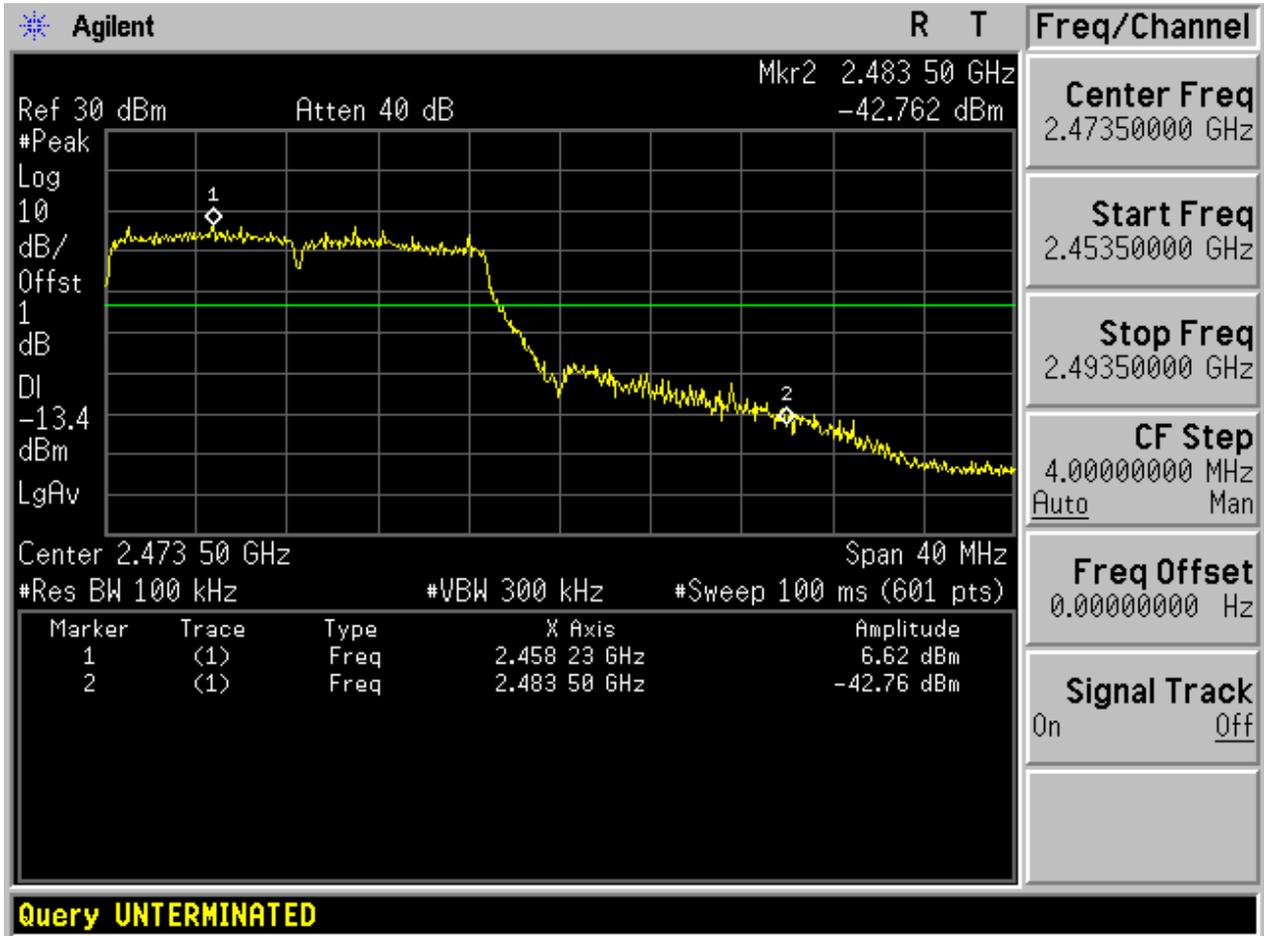


### 3.7 11G\_H@Ant 1

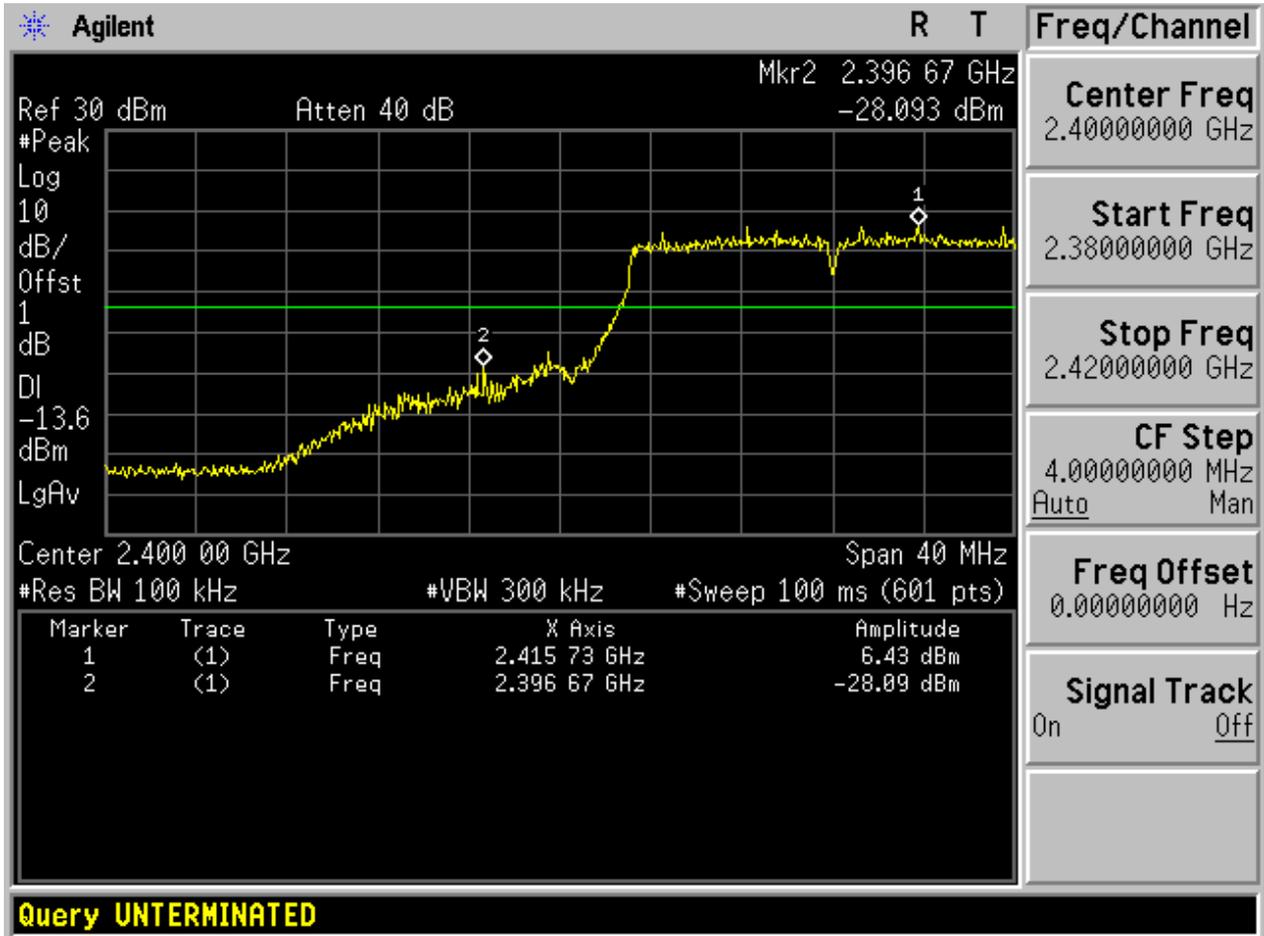




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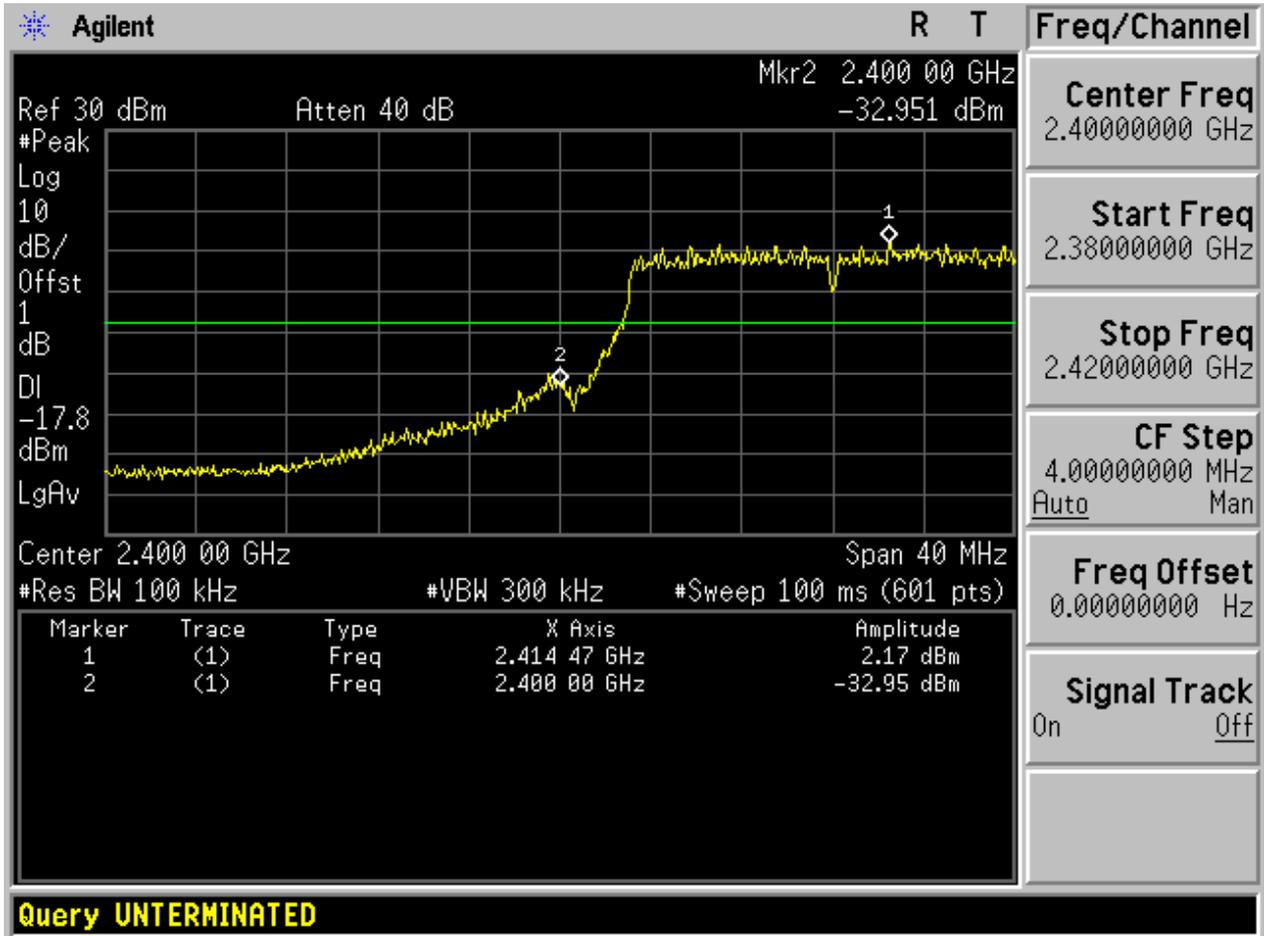


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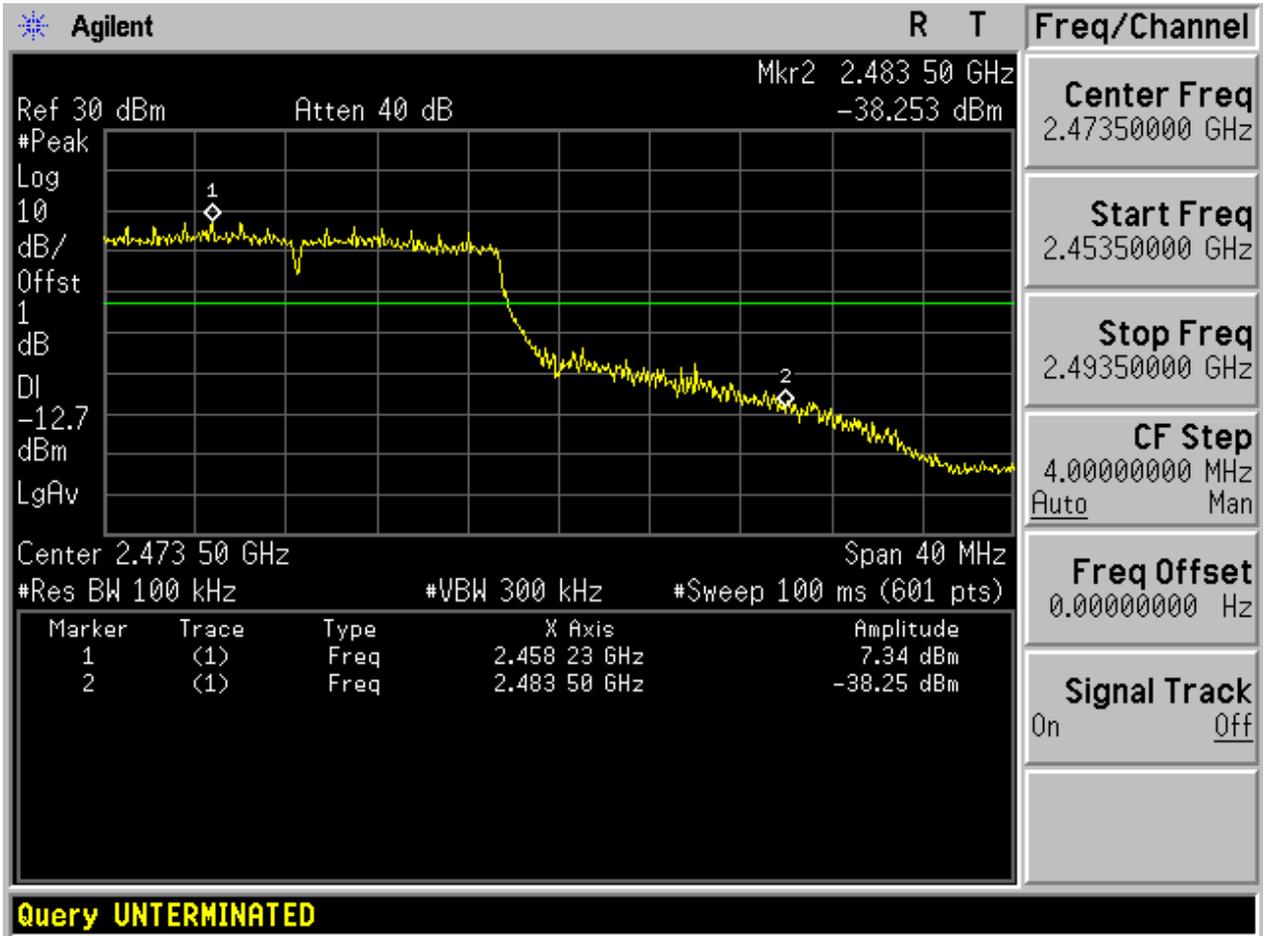


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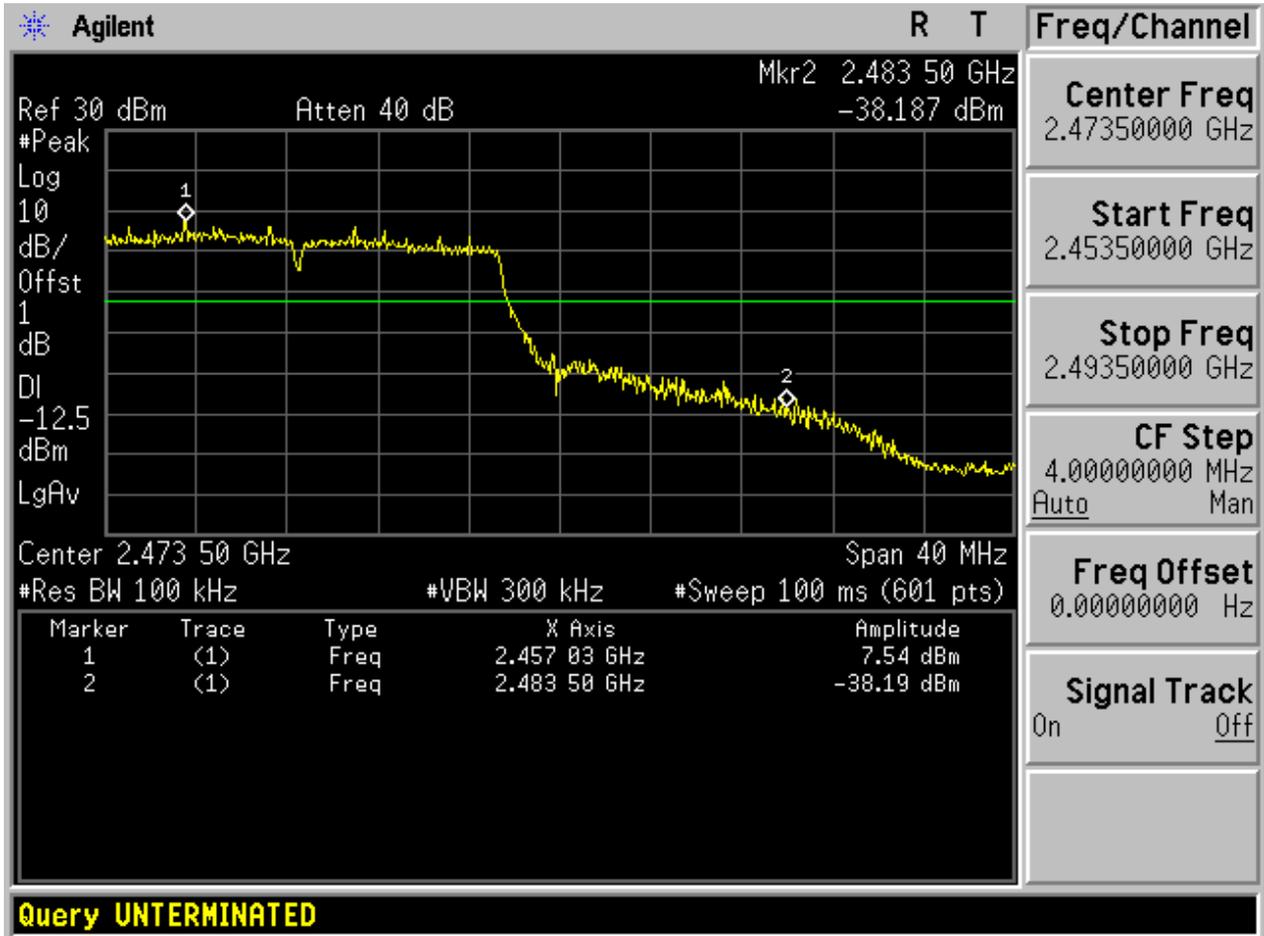


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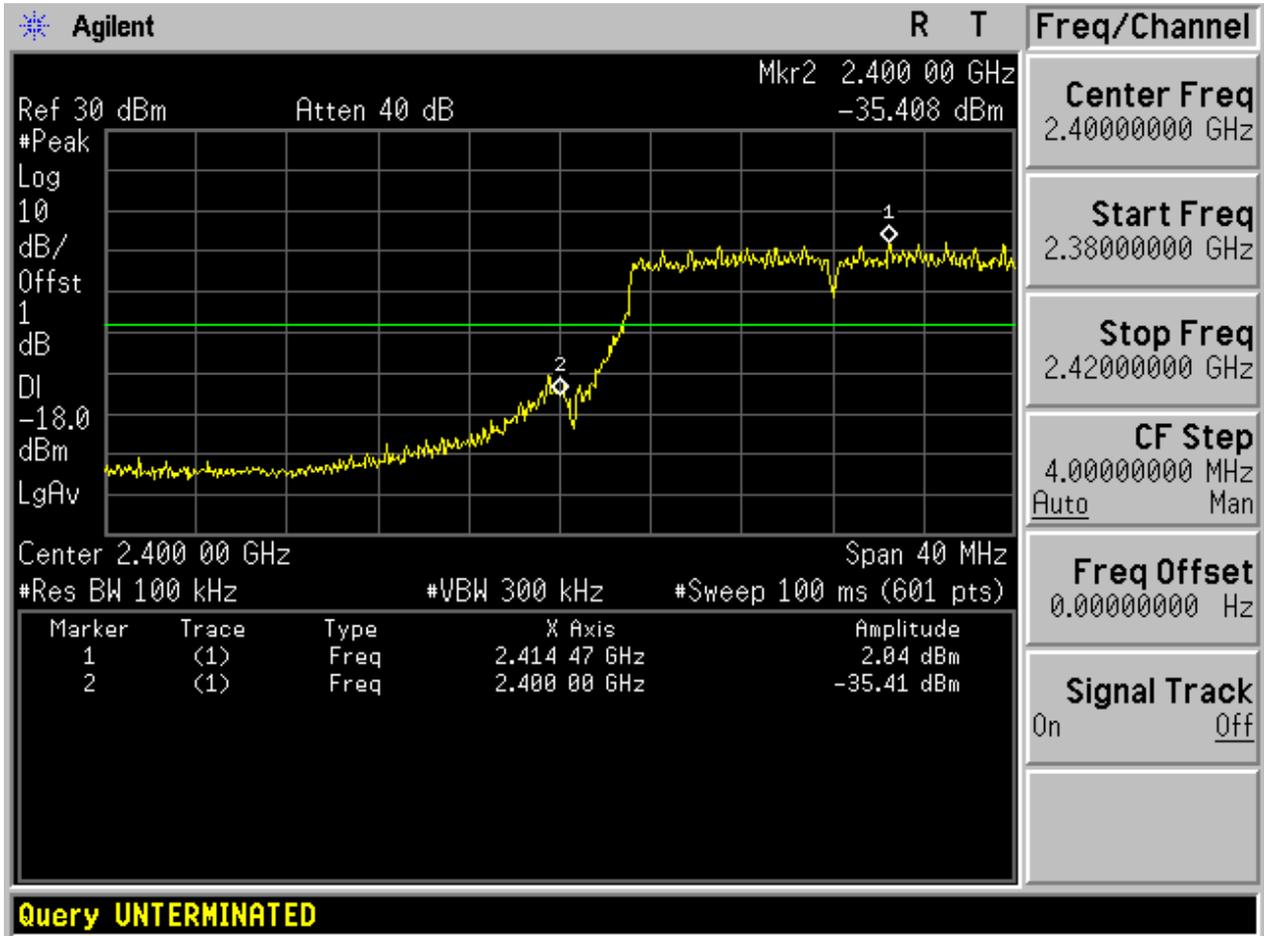


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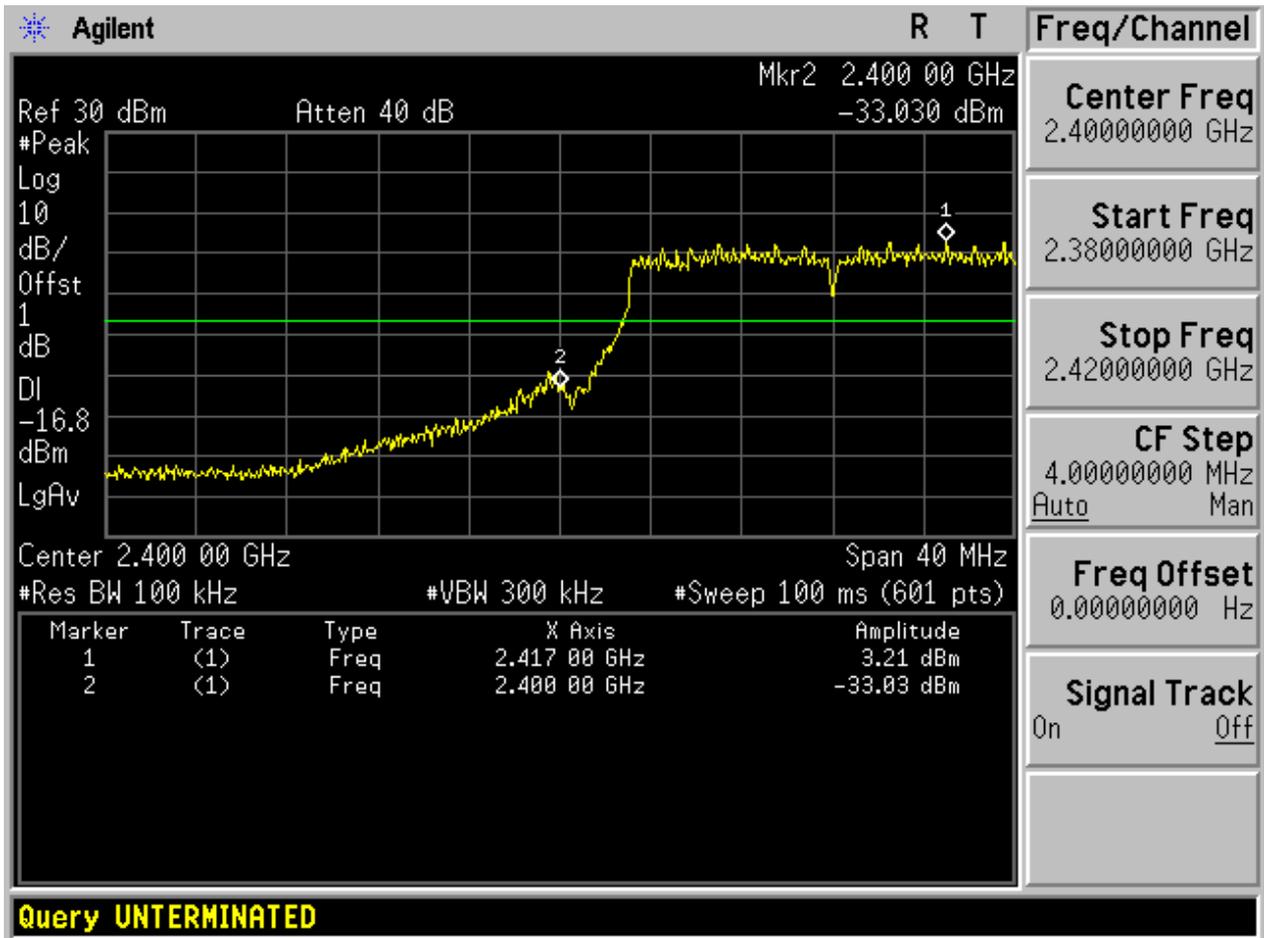




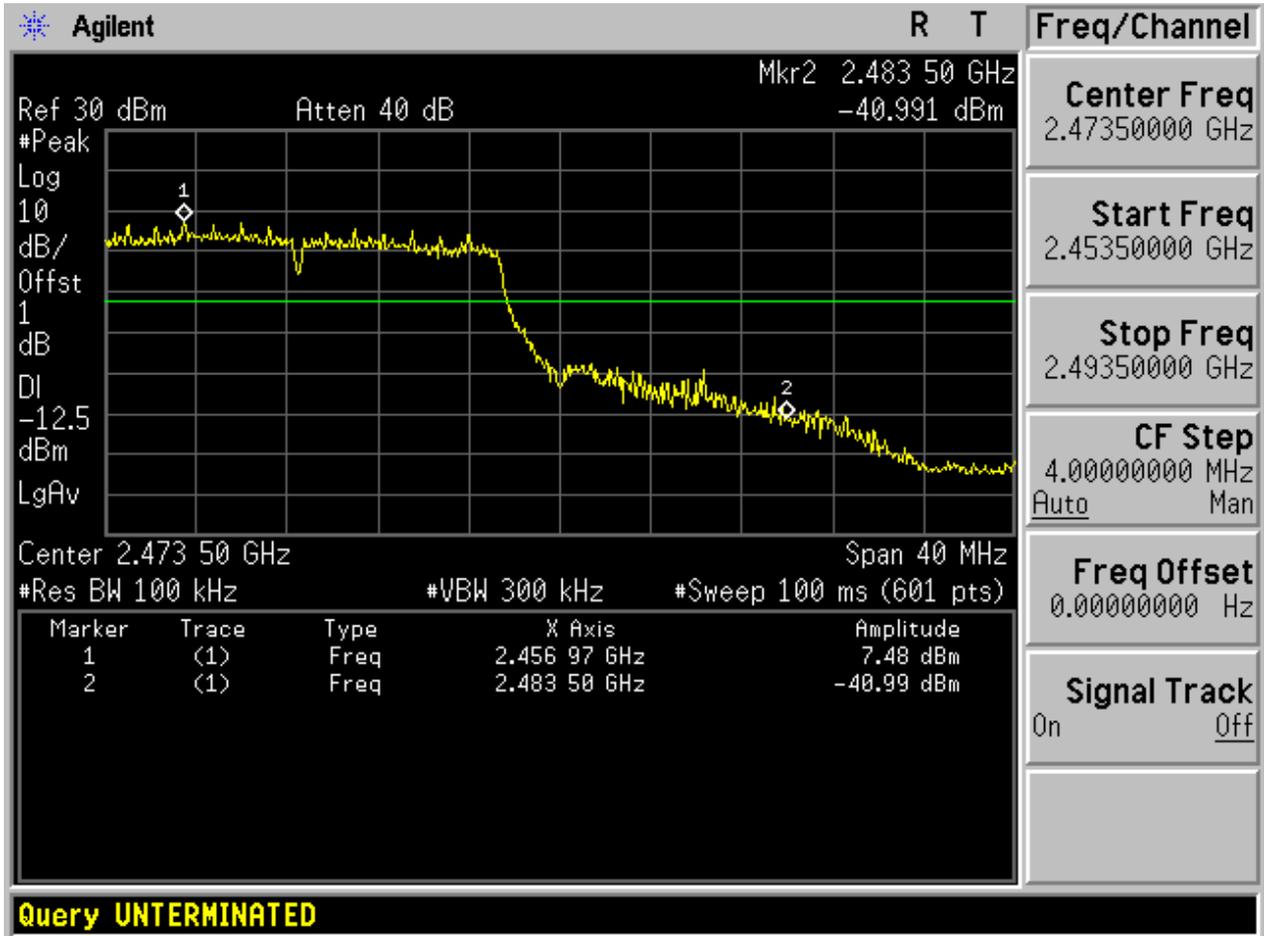
### 3.13 11N20m\_L@Ant 1



### 3.14 11N20m\_L@Ant 2

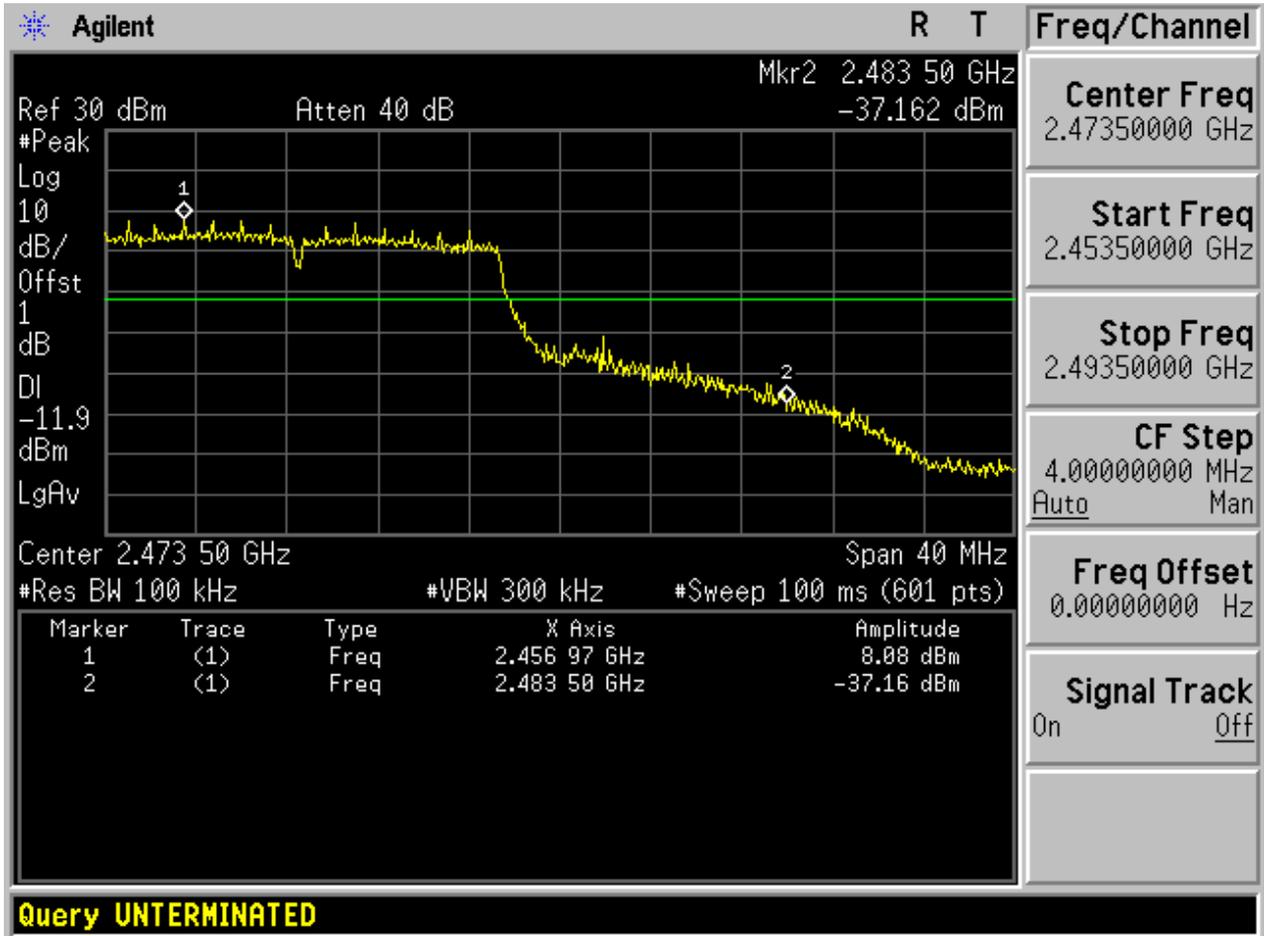


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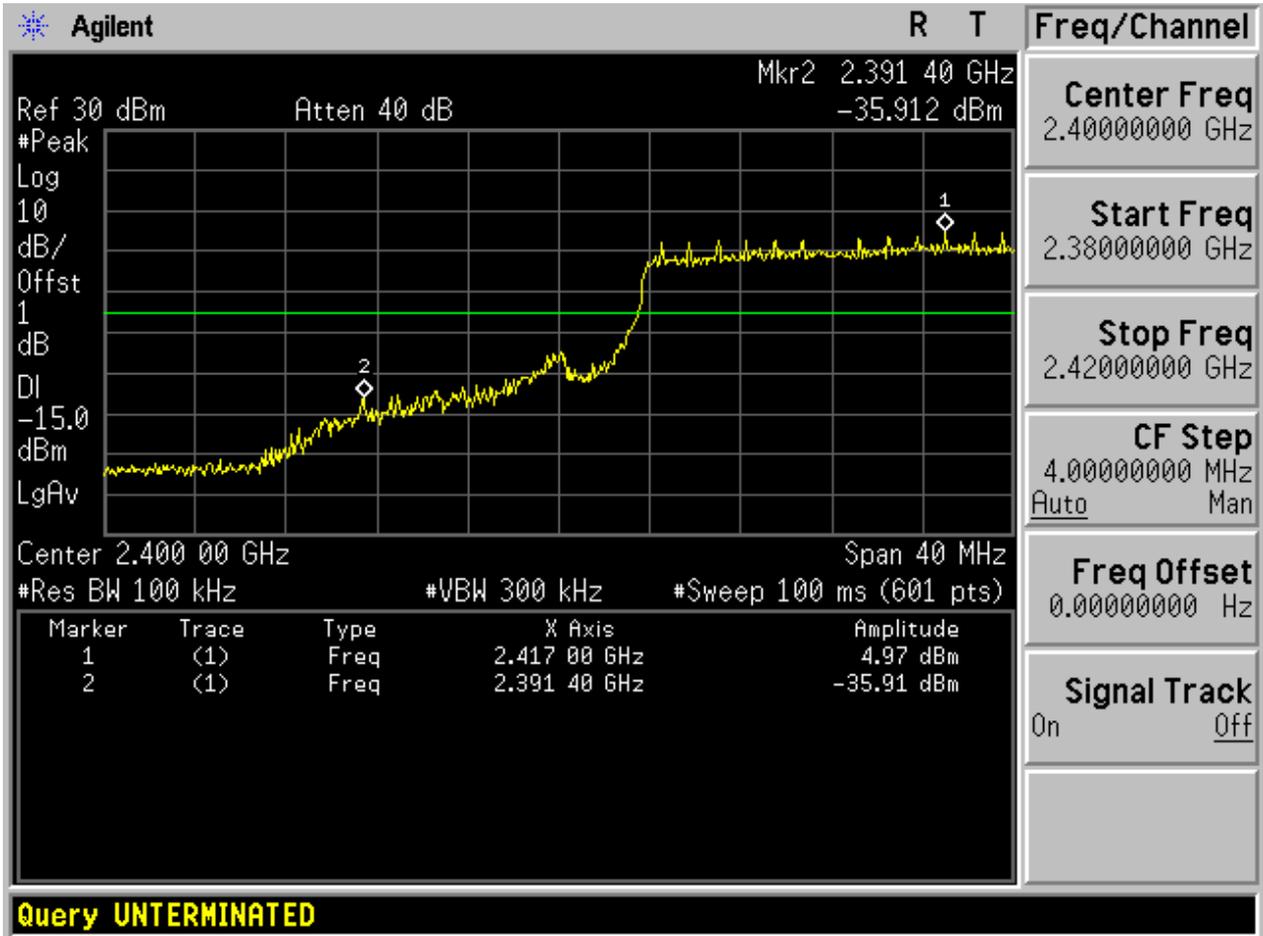


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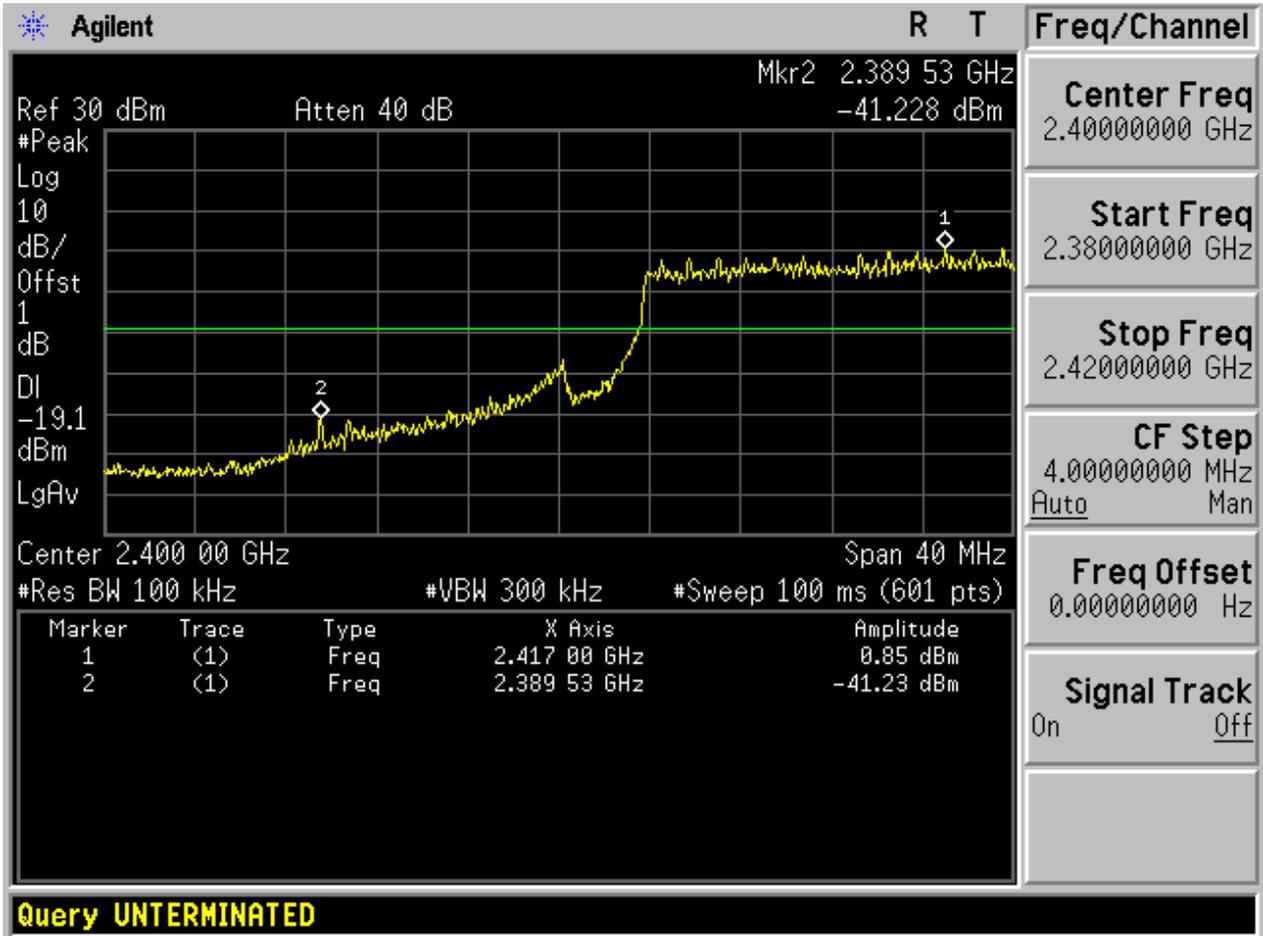




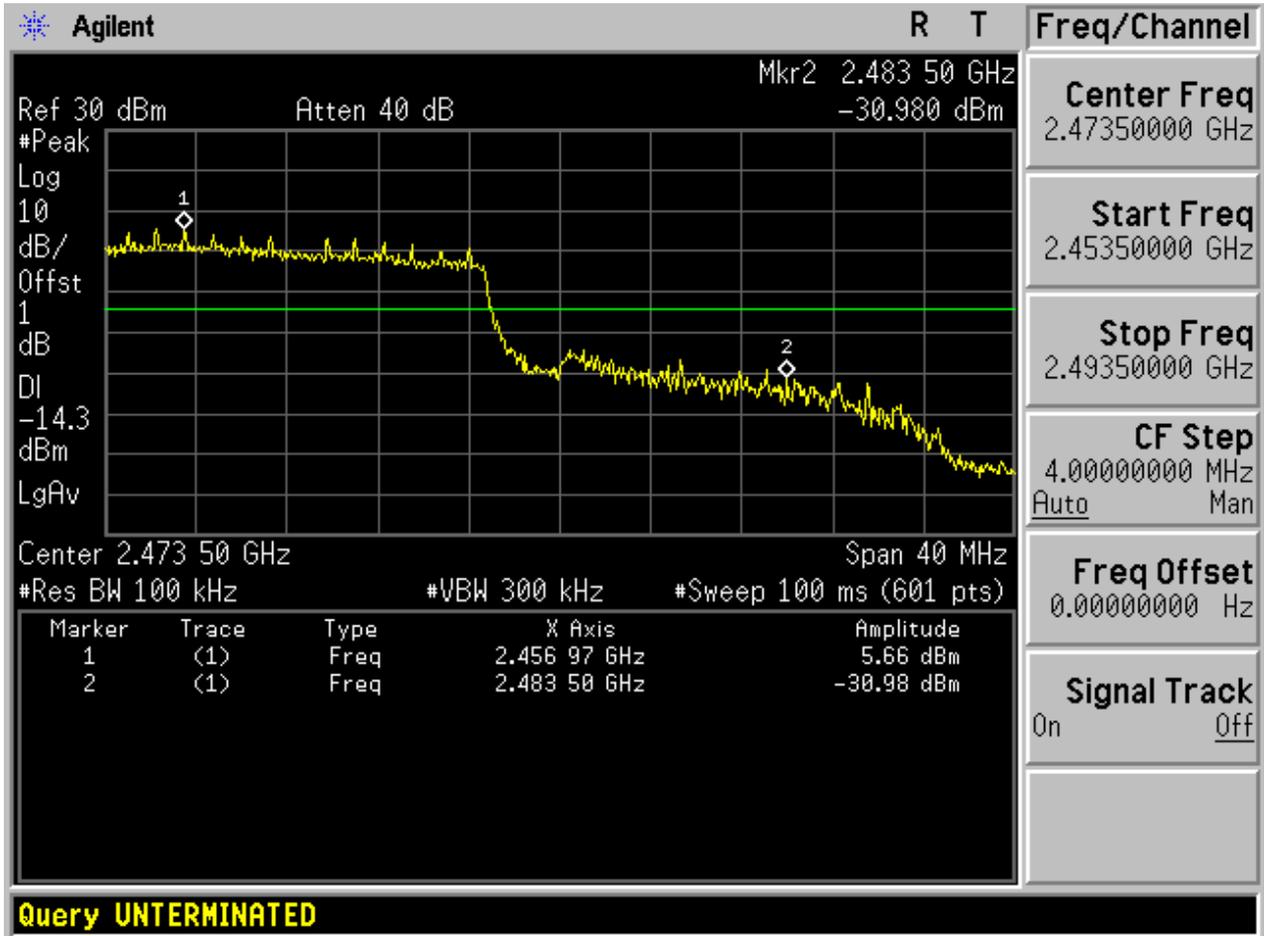
### 3.17 11N40\_L@Ant 1



3.18 11N40\_L@Ant 2

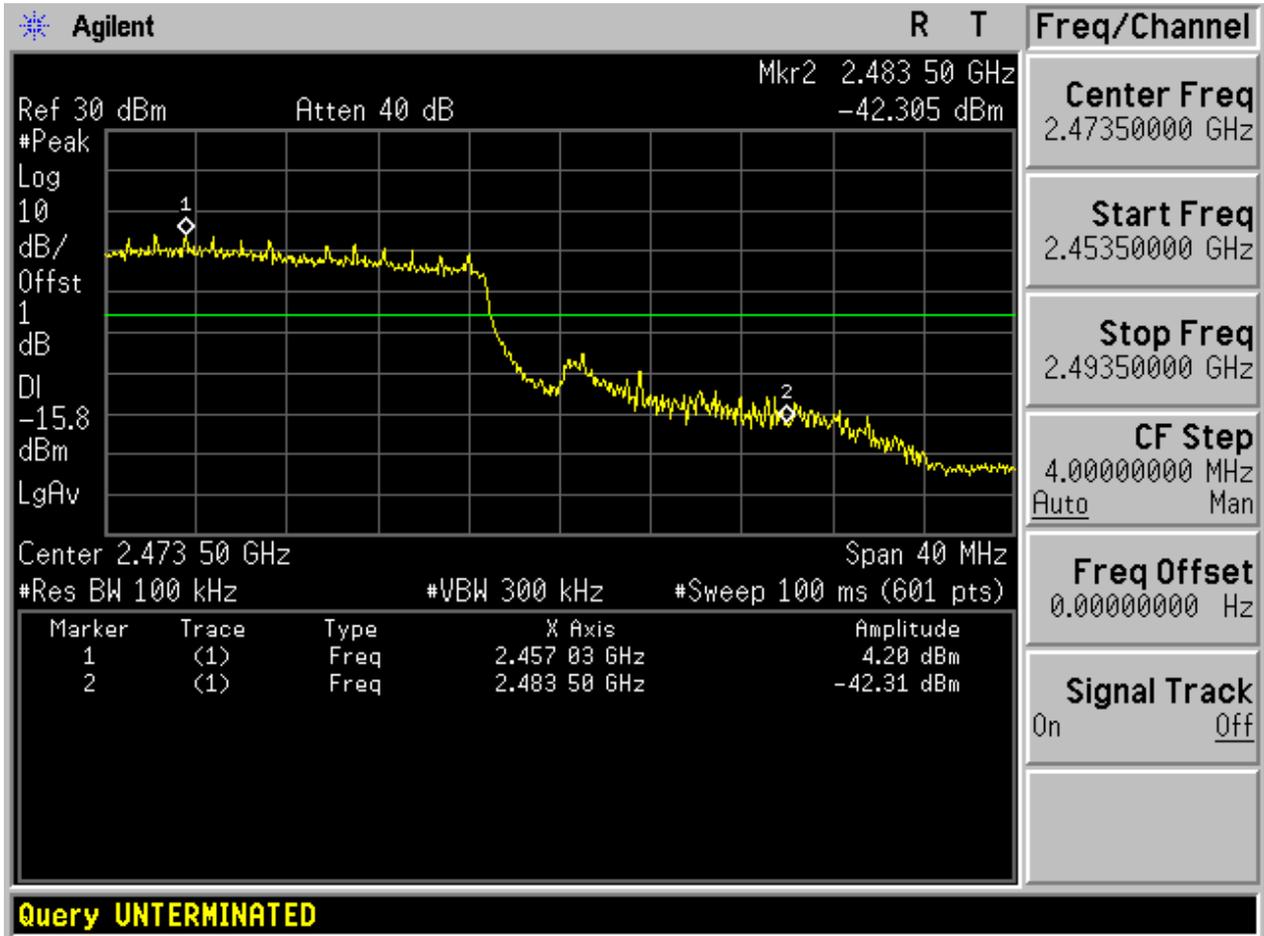


### 3.19 11N40\_H@Ant 1

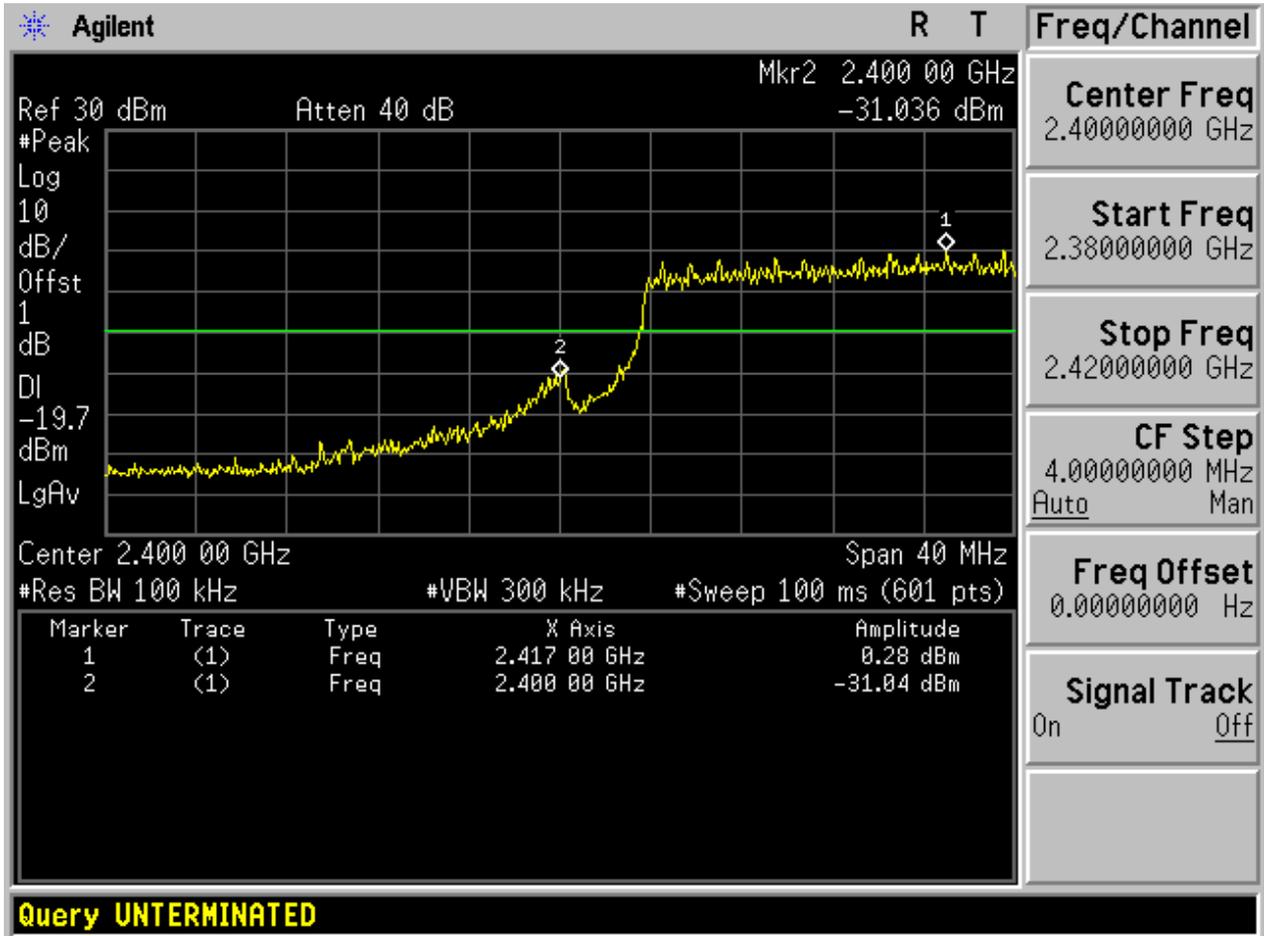




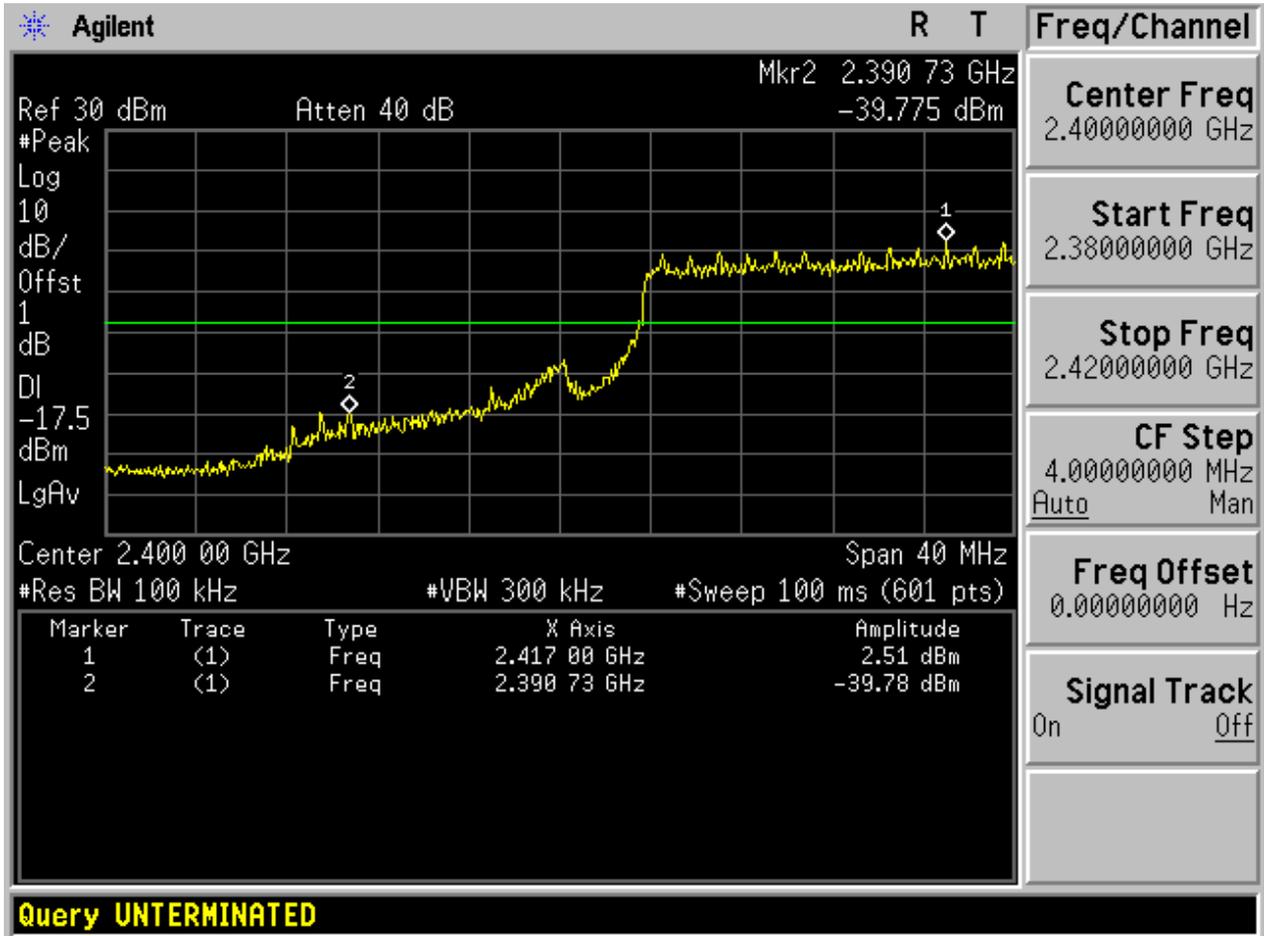
### 3.20 11N40\_H@Ant 2



### 3.21 11N40m\_L@Ant 1

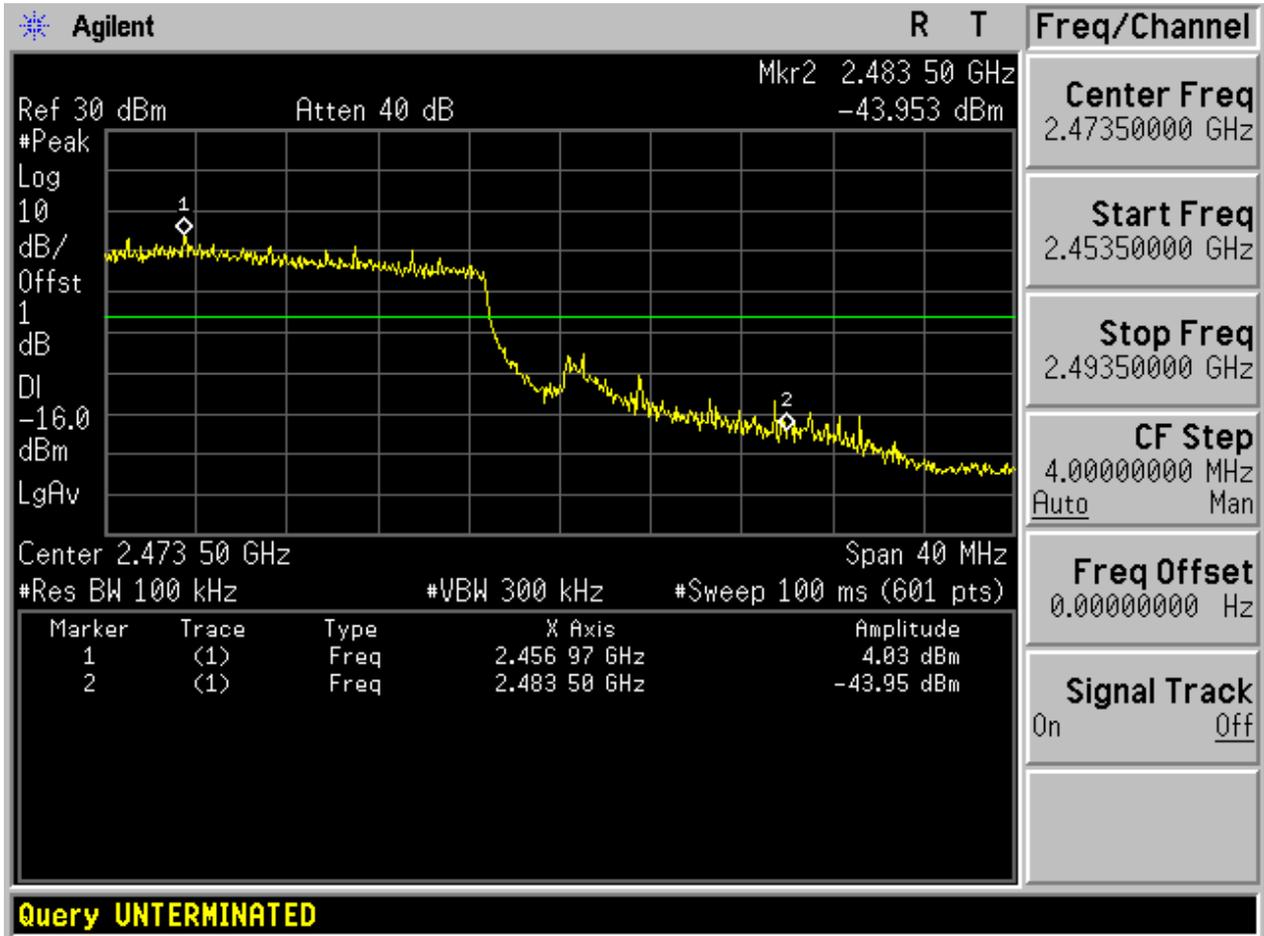


### 3.22 11N40m\_L@Ant 2



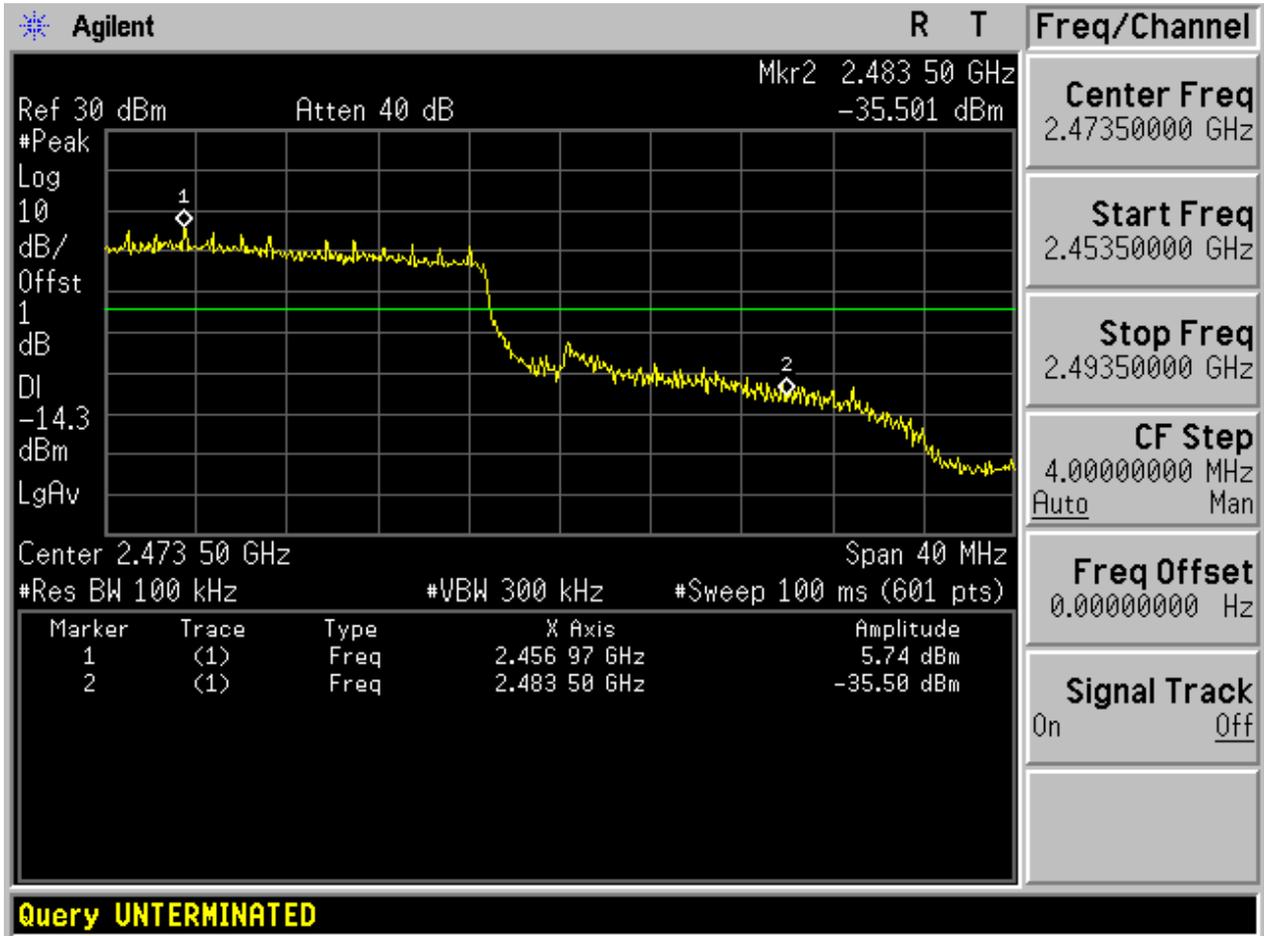


### 3.23 11N40m\_H@Ant 1





### 3.24 11N40m\_H@Ant 2



## Appendix E: Unwanted Emissions into Non-Restricted Frequency

### Bands

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

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

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

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

### Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11B	L	2412	Ant 1	11.26	<limit	pass
11B	L	2412	Ant 2	9.59	<limit	pass
11B	M	2437	Ant 1	11.33	<limit	pass
11B	M	2437	Ant 2	8.73	<limit	pass
11B	H	2462	Ant 1	11.69	<limit	pass
11B	H	2462	Ant 2	9.80	<limit	pass
11G	L	2412	Ant 1	6.77	<limit	pass
11G	L	2412	Ant 2	5.38	<limit	pass
11G	M	2437	Ant 1	6.86	<limit	pass
11G	M	2437	Ant 2	5.44	<limit	pass
11G	H	2462	Ant 1	7.41	<limit	pass
11G	H	2462	Ant 2	6.45	<limit	pass
11N20	L	2412	Ant 1	7.00	<limit	pass
11N20	L	2412	Ant 2	2.81	<limit	pass
11N20	M	2437	Ant 1	7.23	<limit	pass
11N20	M	2437	Ant 2	2.88	<limit	pass
11N20	H	2462	Ant 1	7.72	<limit	pass

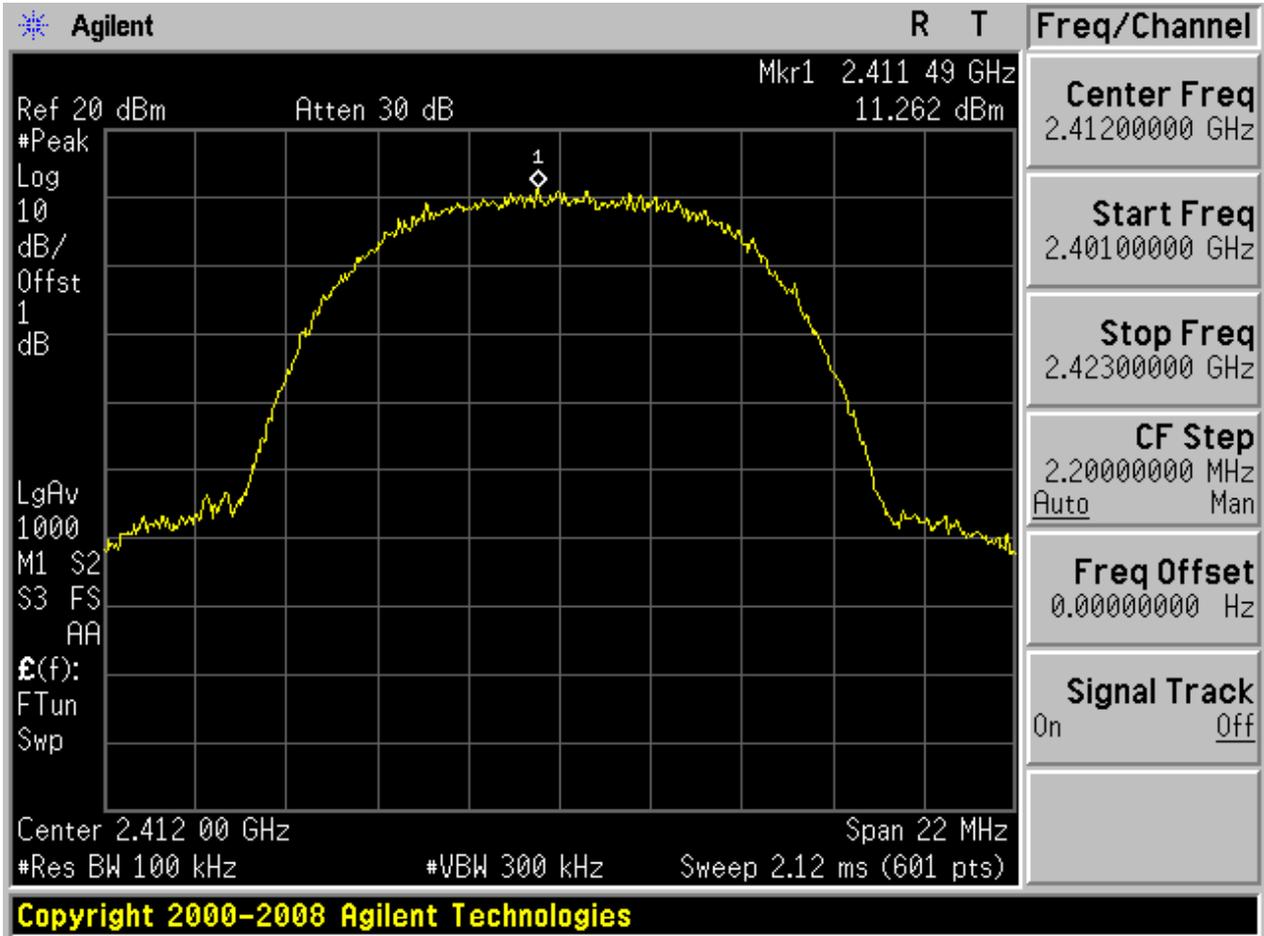


Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11N20	H	2462	Ant 2	3.43	<limit	pass
11N20m	L	2412	Ant 1	7.39	<limit	pass
11N20m	L	2412	Ant 2	7.27	<limit	pass
11N20m	M	2437	Ant 1	7.68	<limit	pass
11N20m	M	2437	Ant 2	7.14	<limit	pass
11N20m	H	2462	Ant 1	8.21	<limit	pass
11N20m	H	2462	Ant 2	7.60	<limit	pass
11N40	L	2422	Ant 1	5.42	<limit	pass
11N40	L	2422	Ant 2	.29	<limit	pass
11N40	M	2437	Ant 1	4.97	<limit	pass
11N40	M	2437	Ant 2	.73	<limit	pass
11N40	H	2452	Ant 1	5.59	<limit	pass
11N40	H	2452	Ant 2	1.49	<limit	pass
11N40m	L	2422	Ant 1	5.56	<limit	pass
11N40m	L	2422	Ant 2	4.68	<limit	pass
11N40m	M	2437	Ant 2	3.99	<limit	pass
11N40m	M	2437	Ant 1	5.16	<limit	pass
11N40m	H	2452	Ant 1	5.96	<limit	pass
11N40m	H	2452	Ant 2	4.22	<limit	pass

## Part II - Test Plots

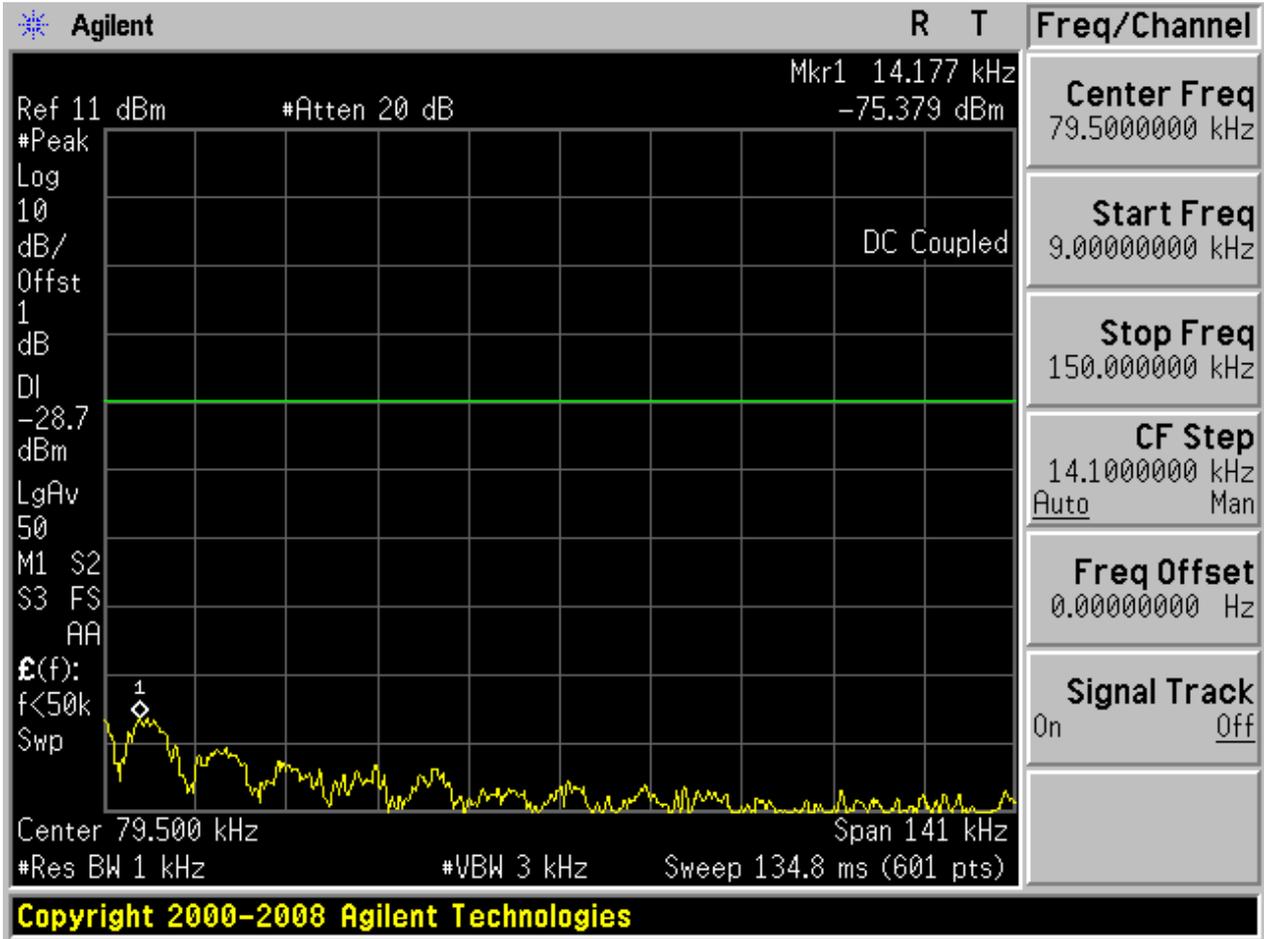
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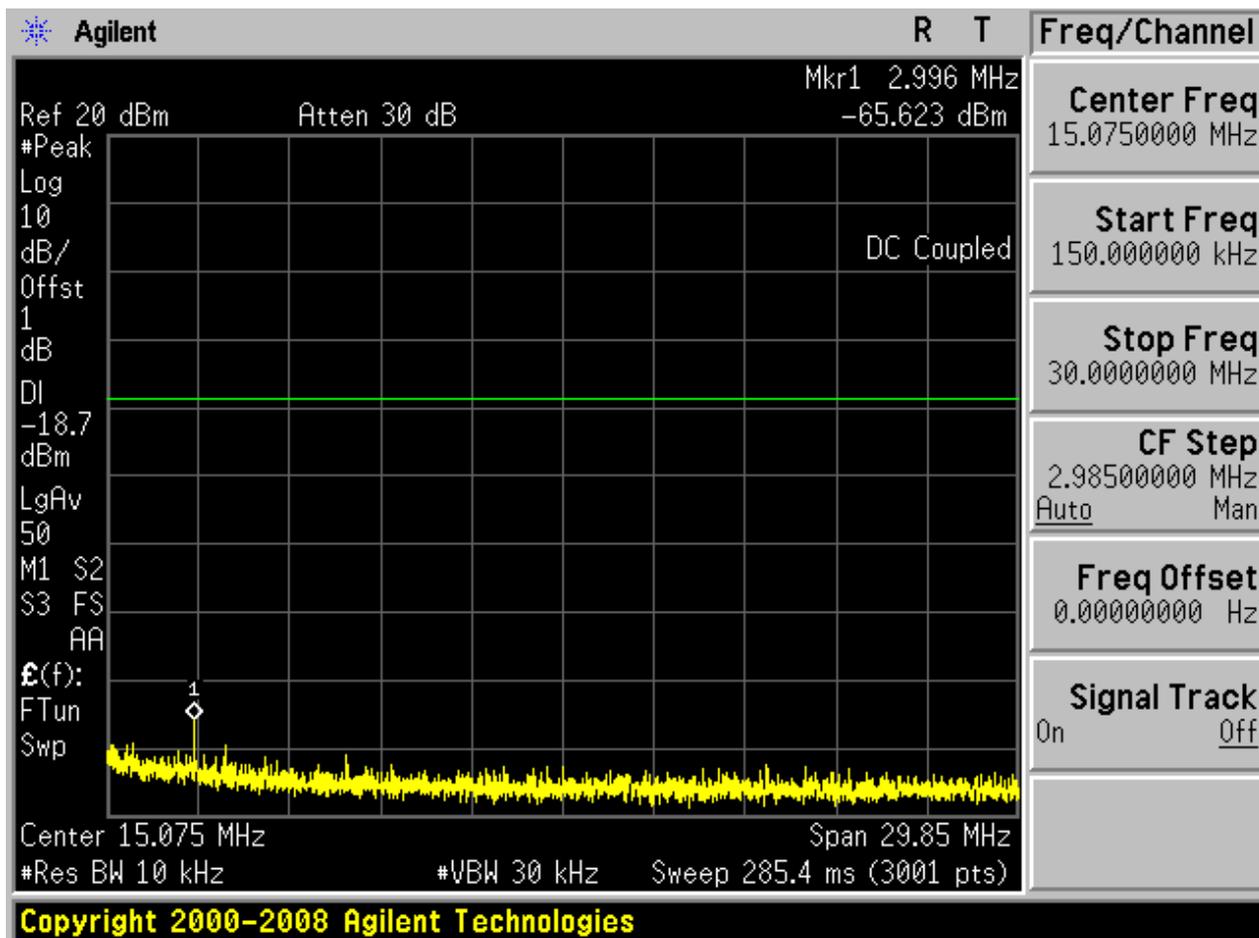
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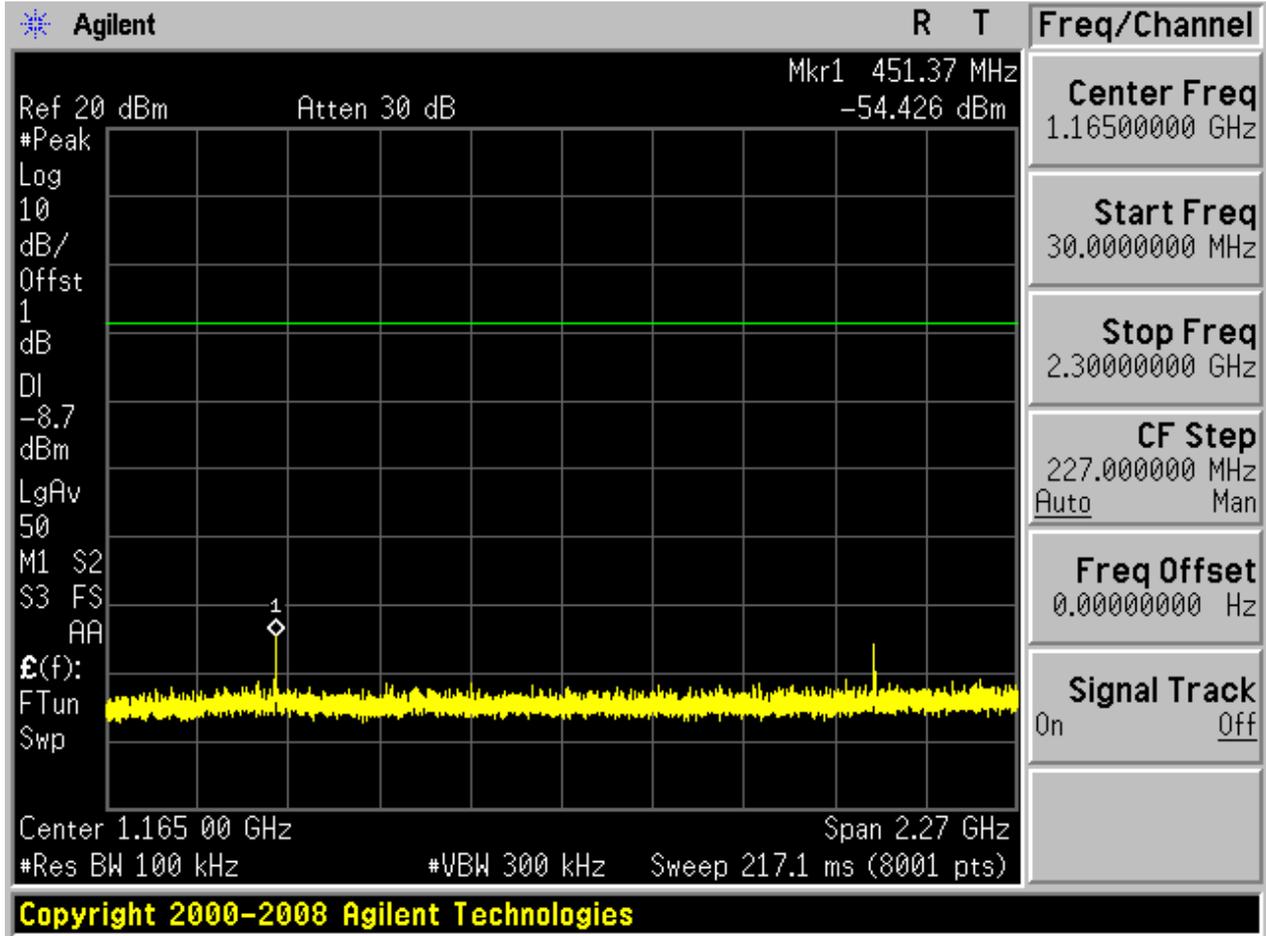


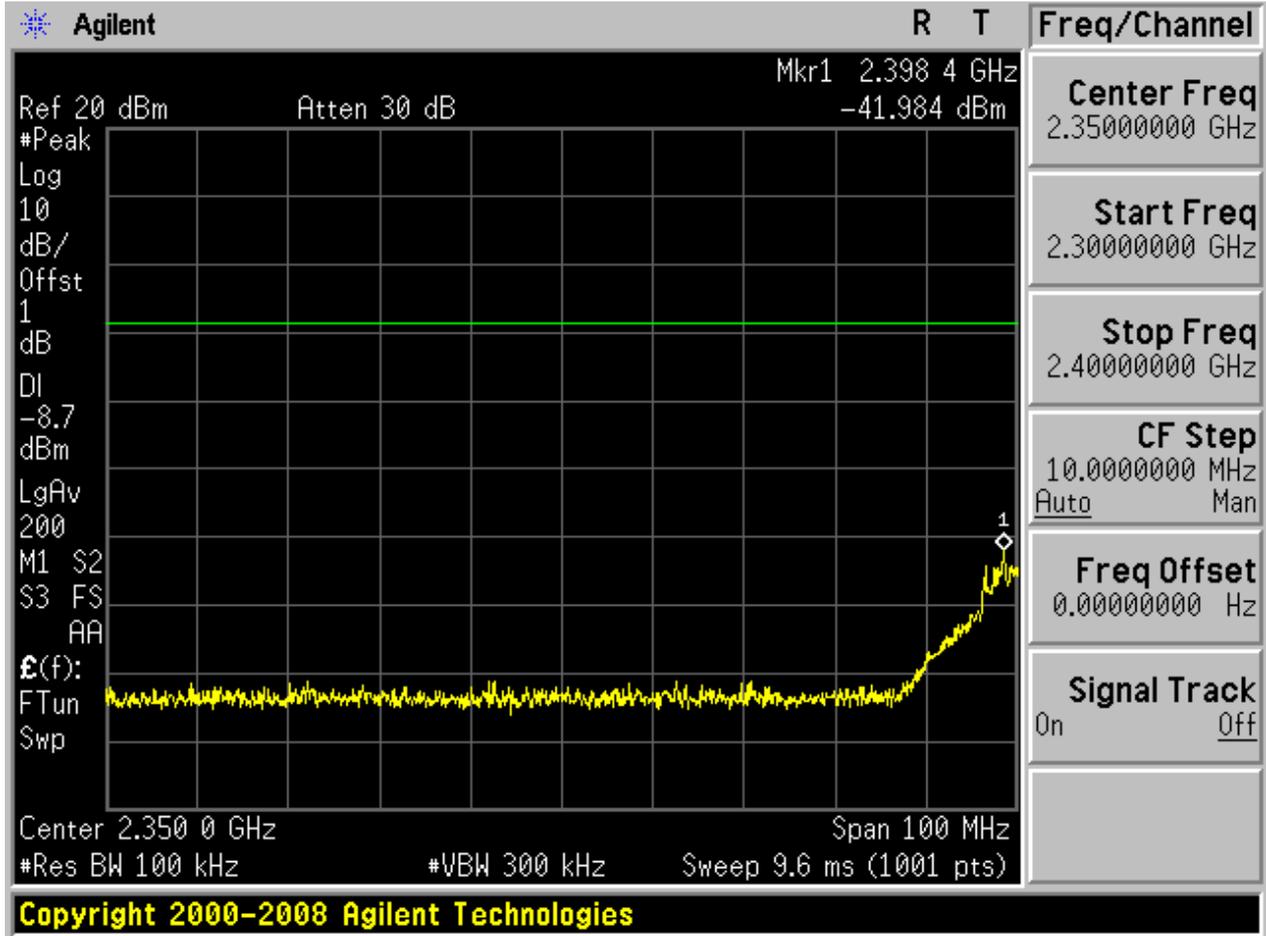


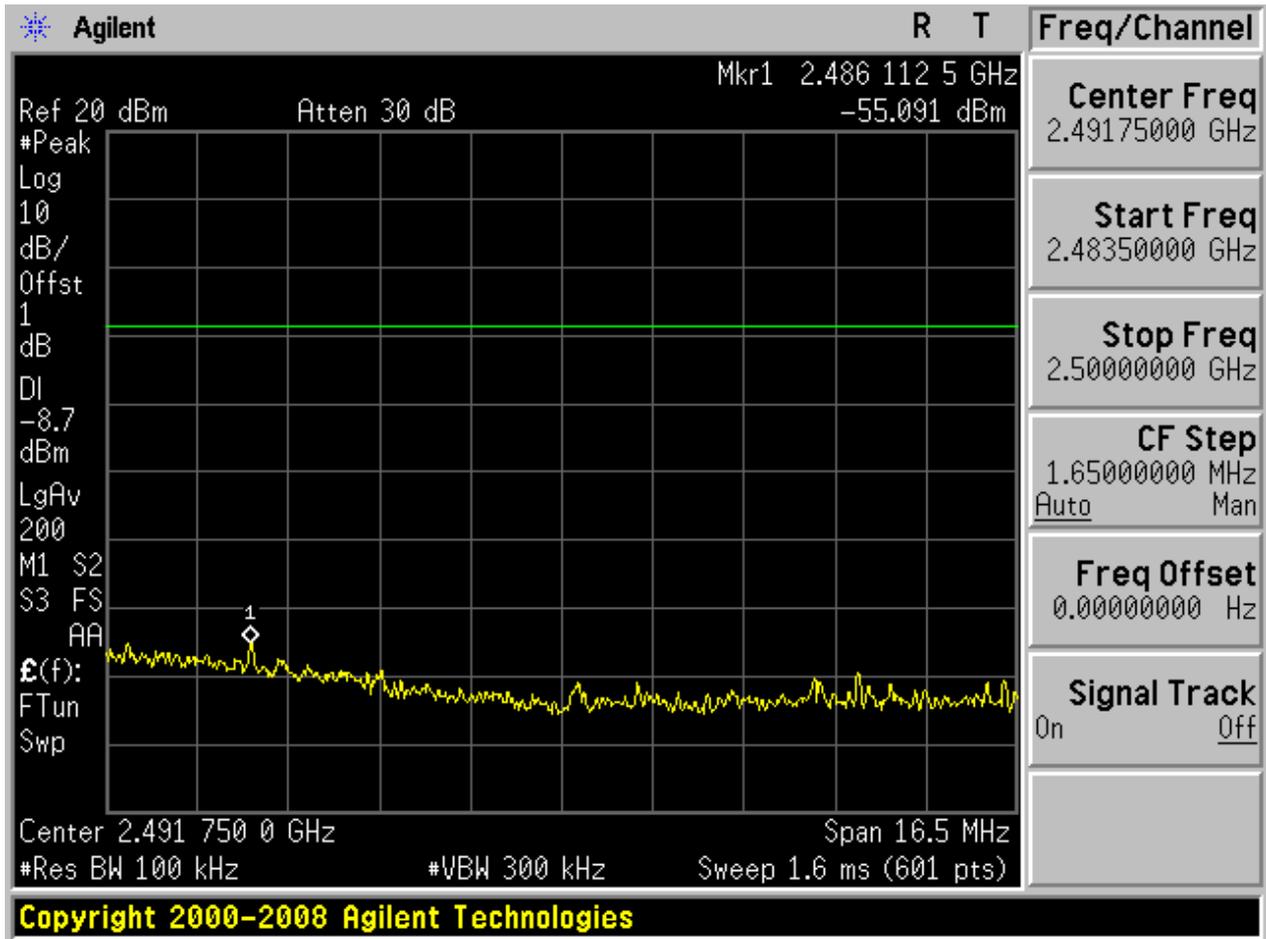
Puw:

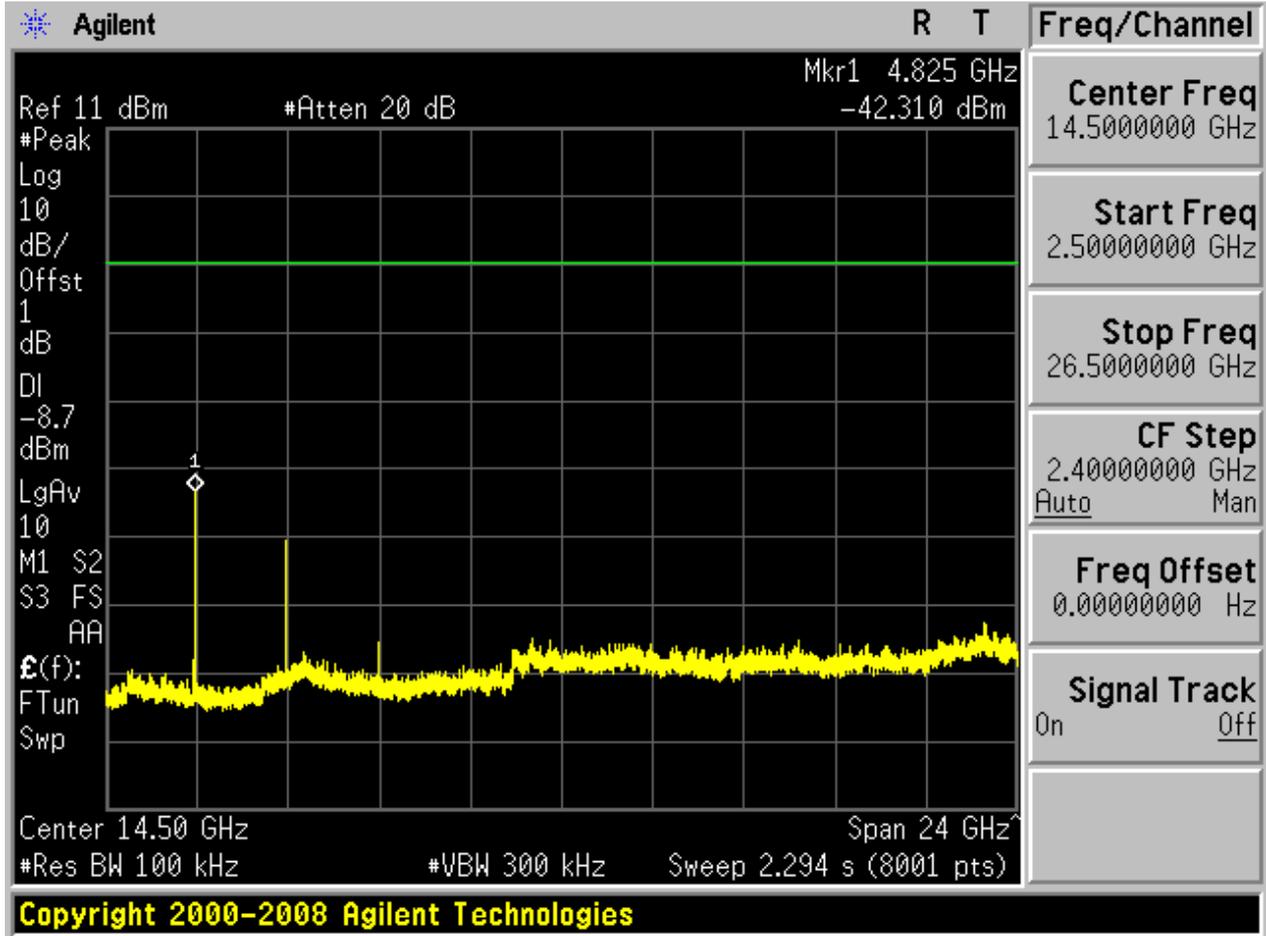








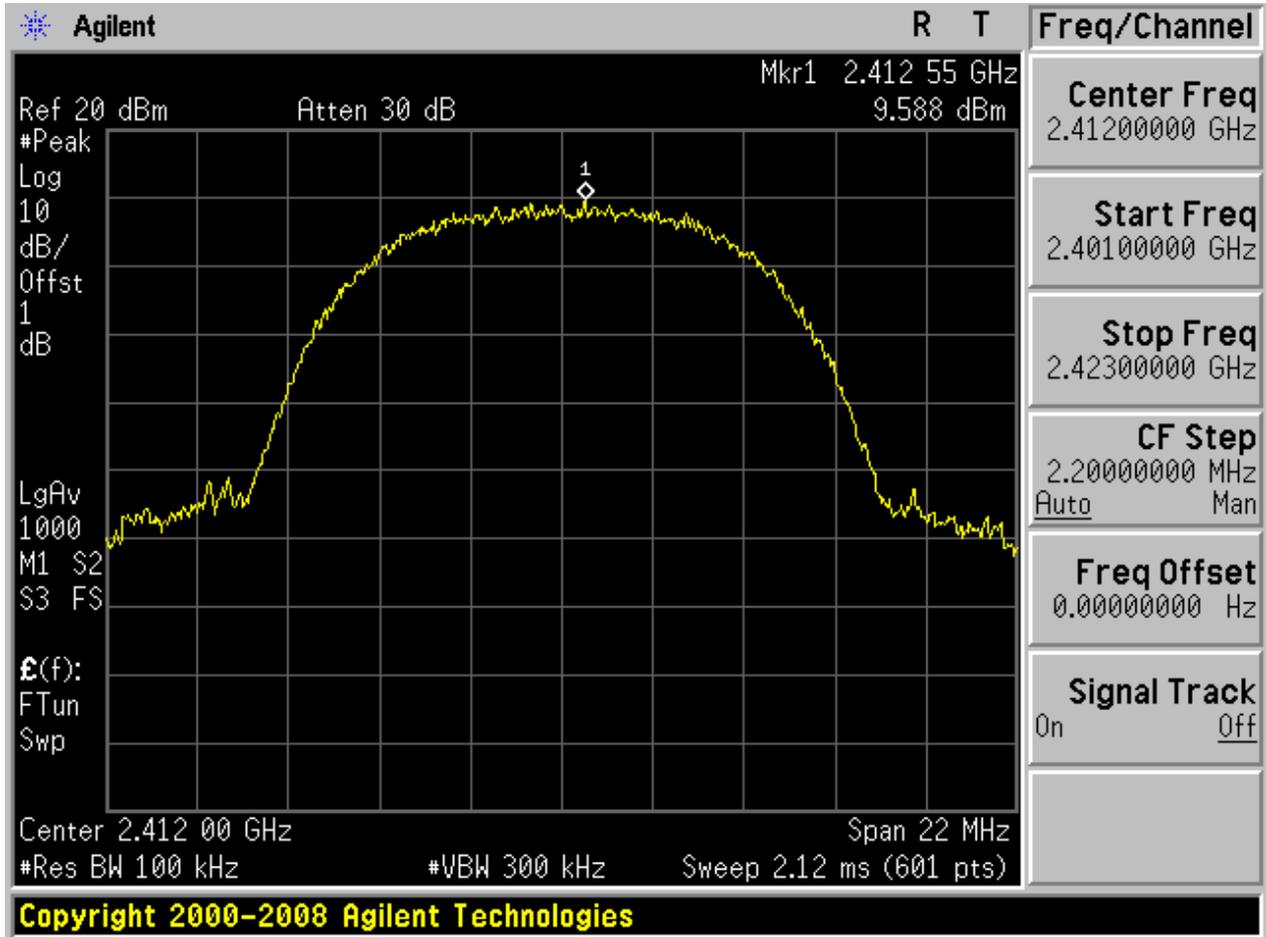






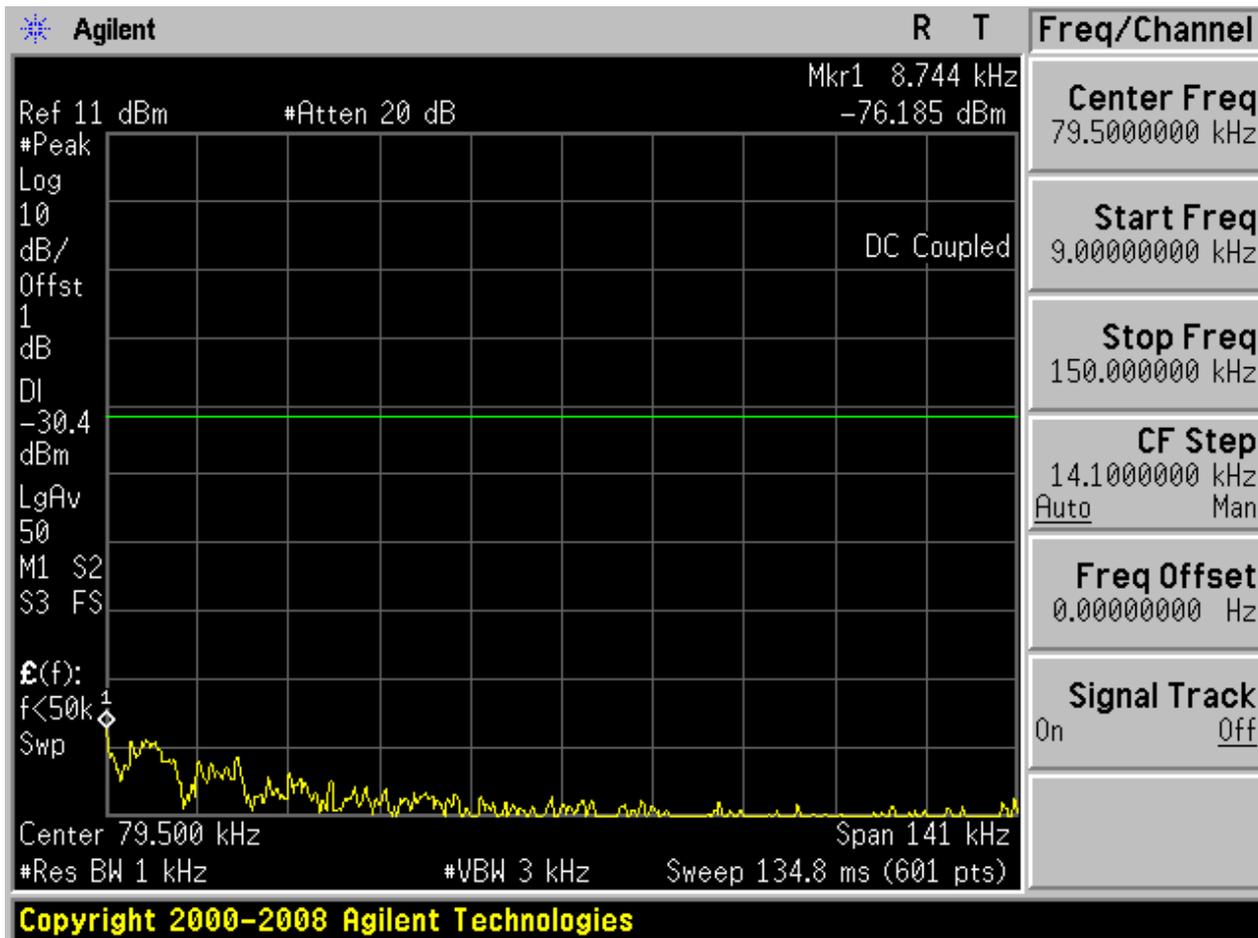
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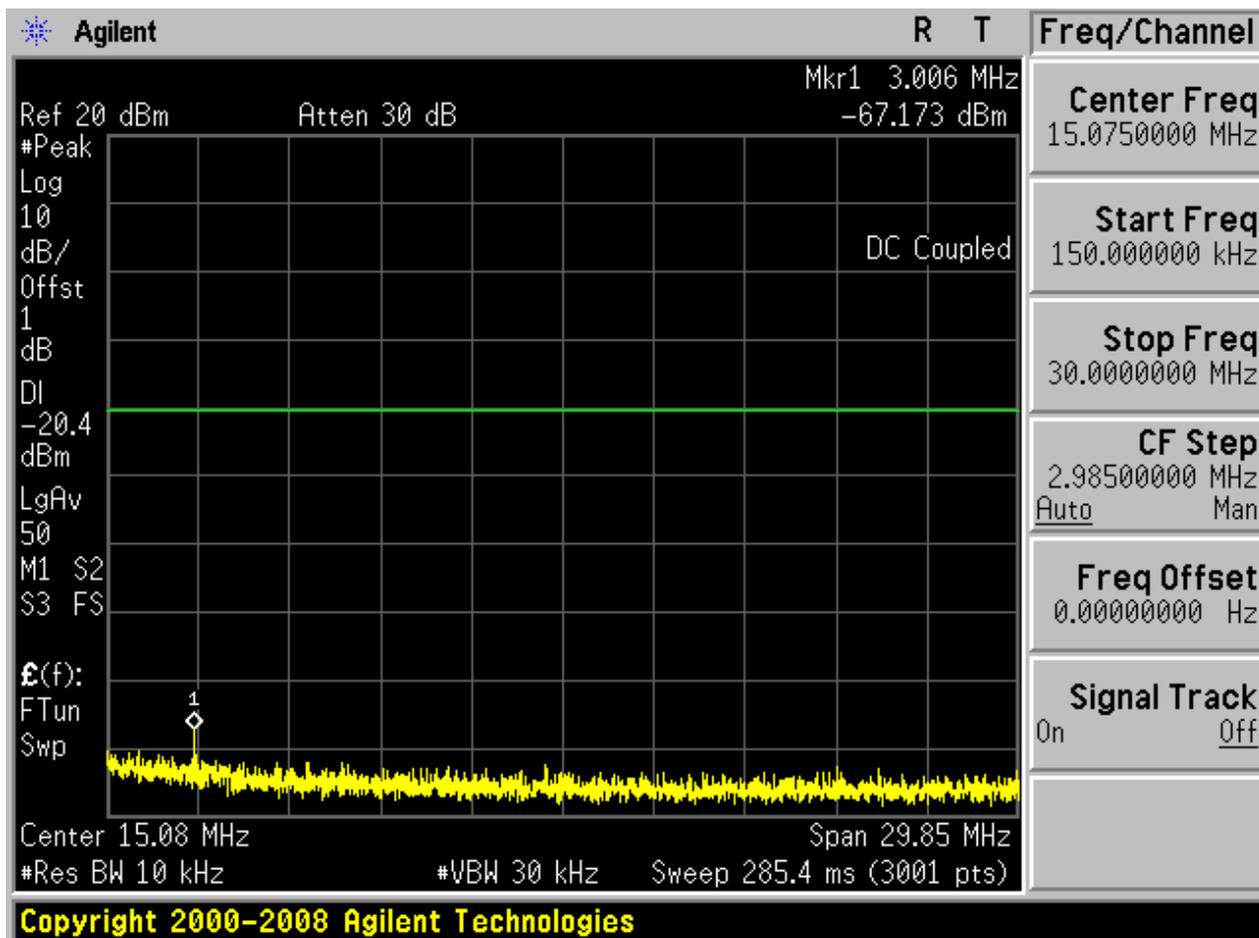
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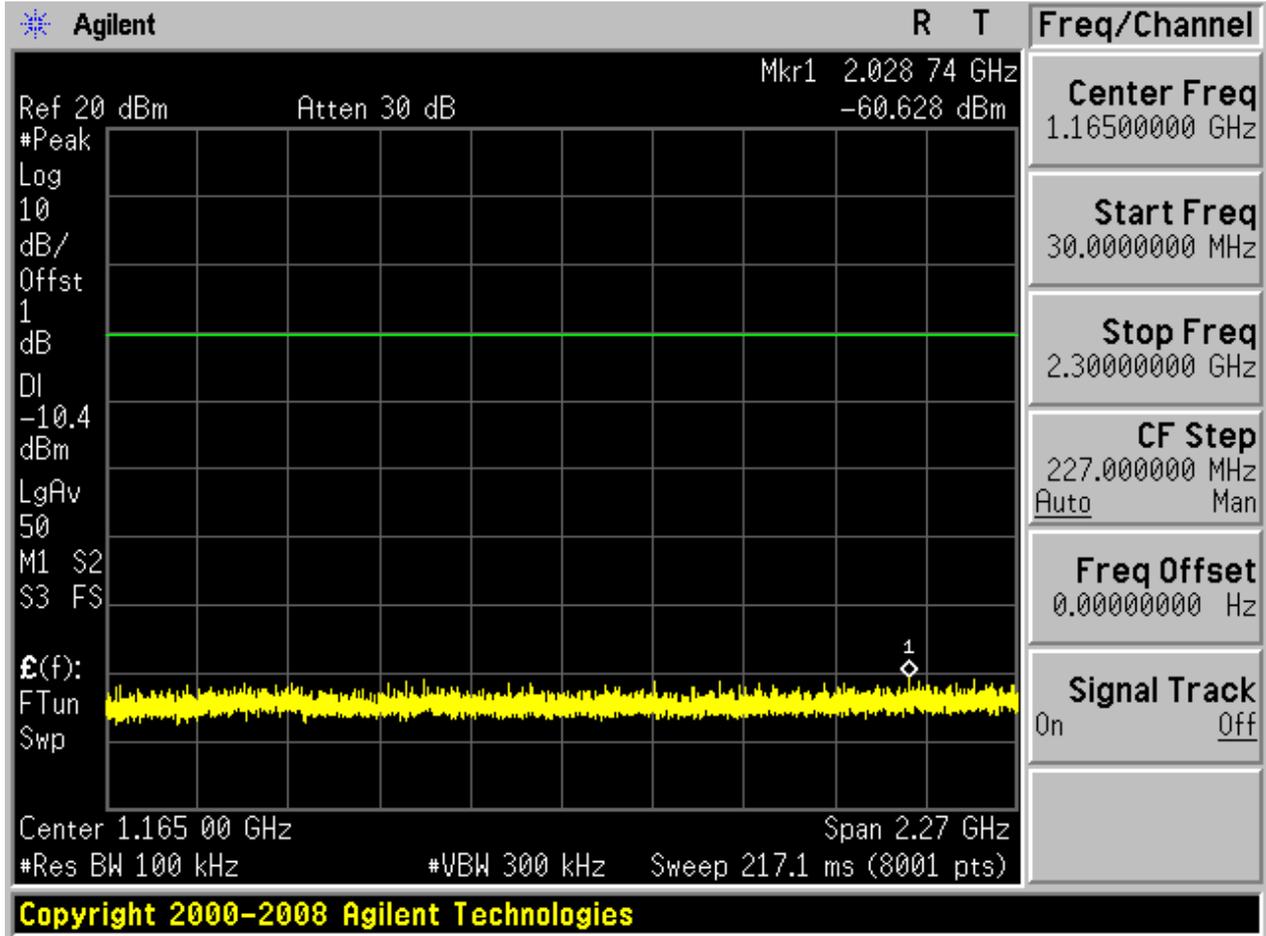


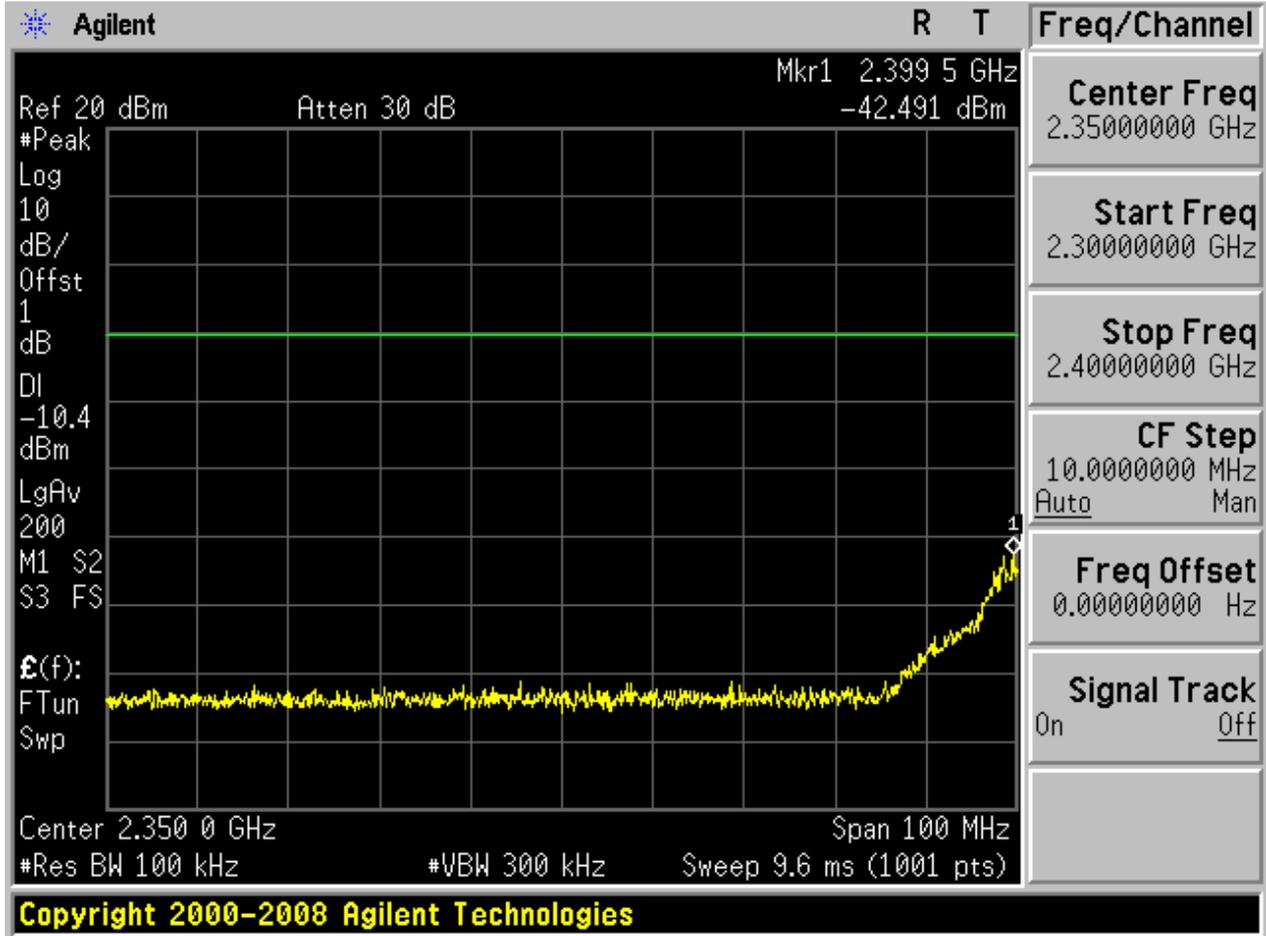


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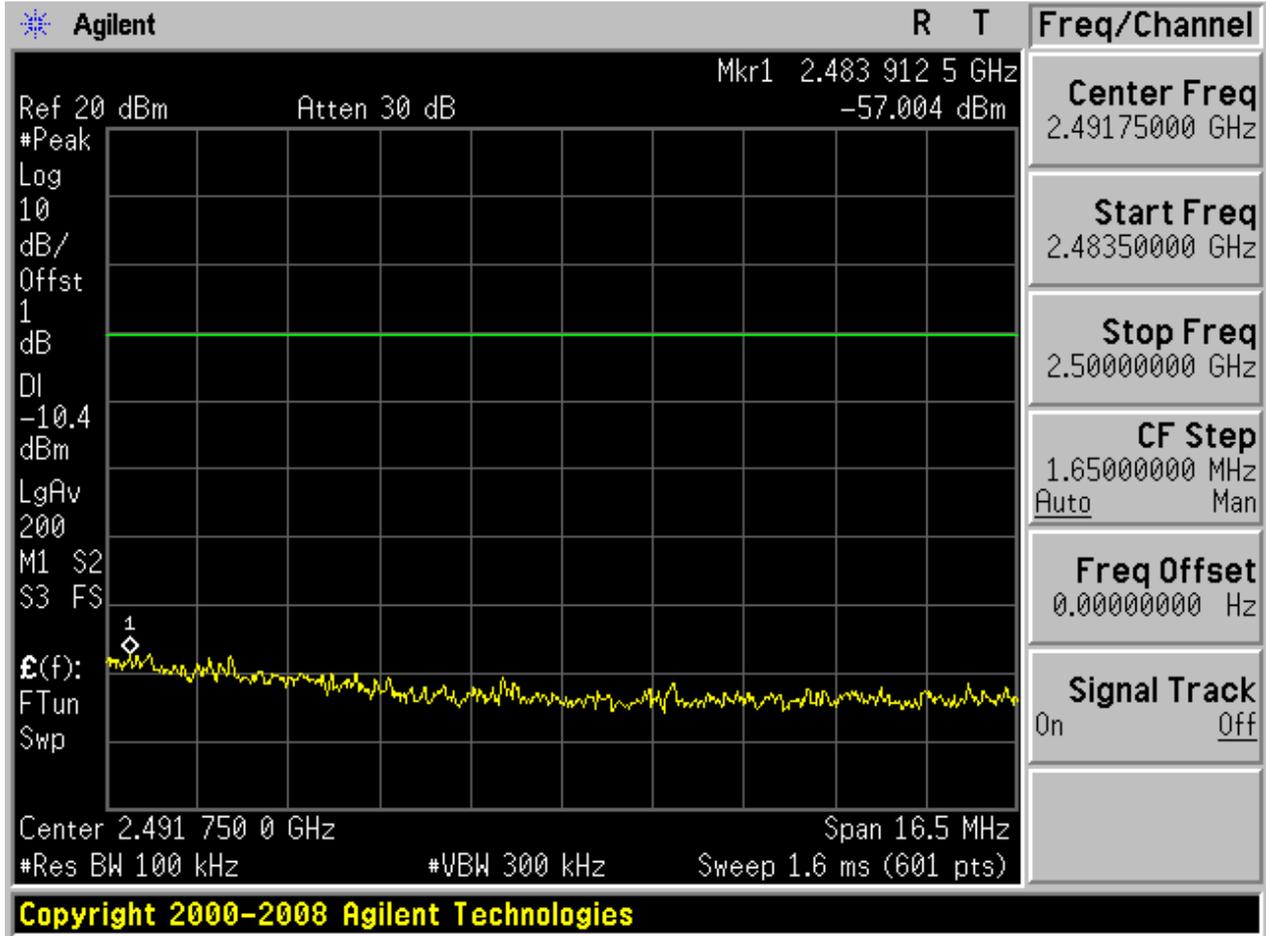


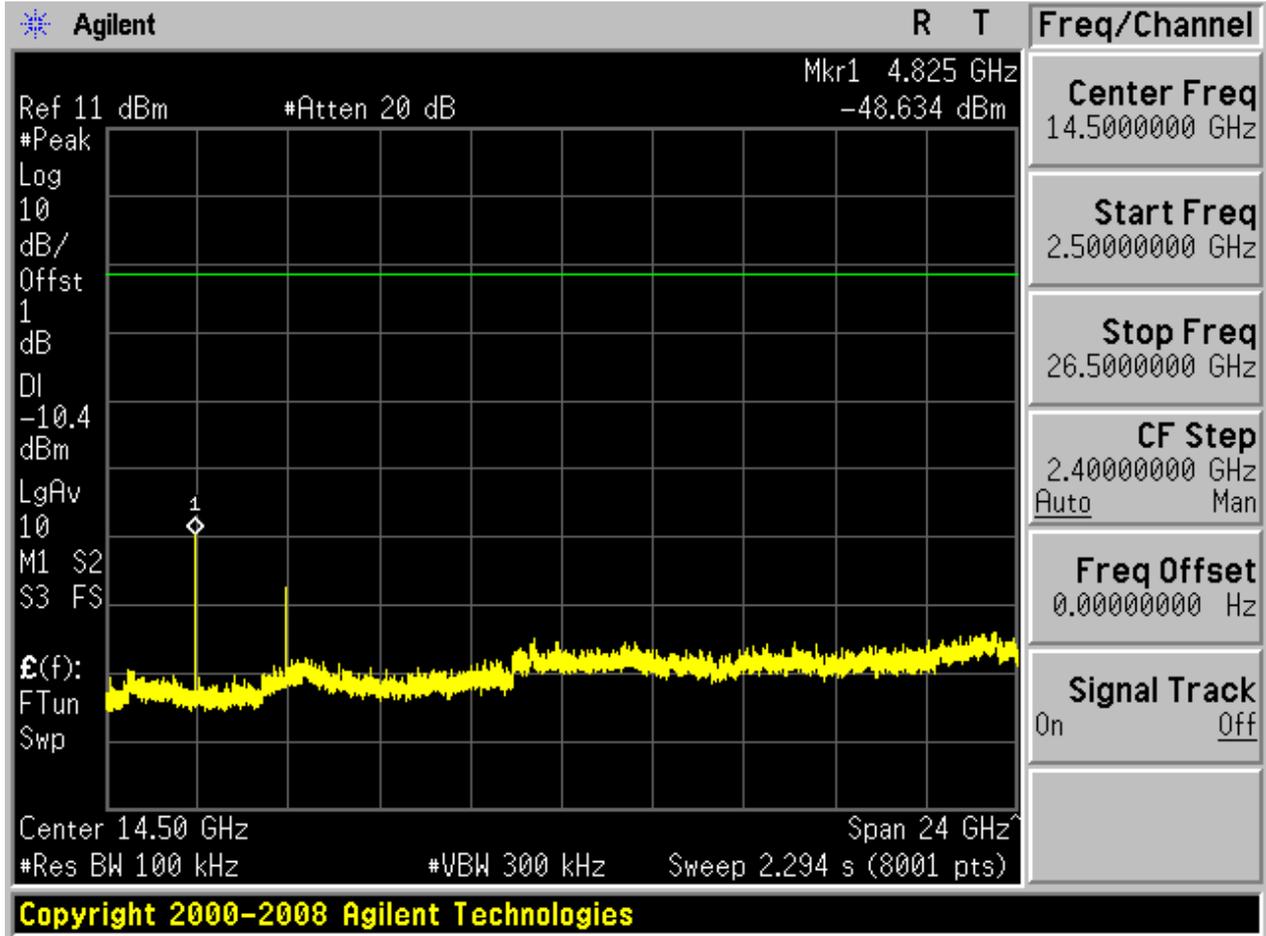






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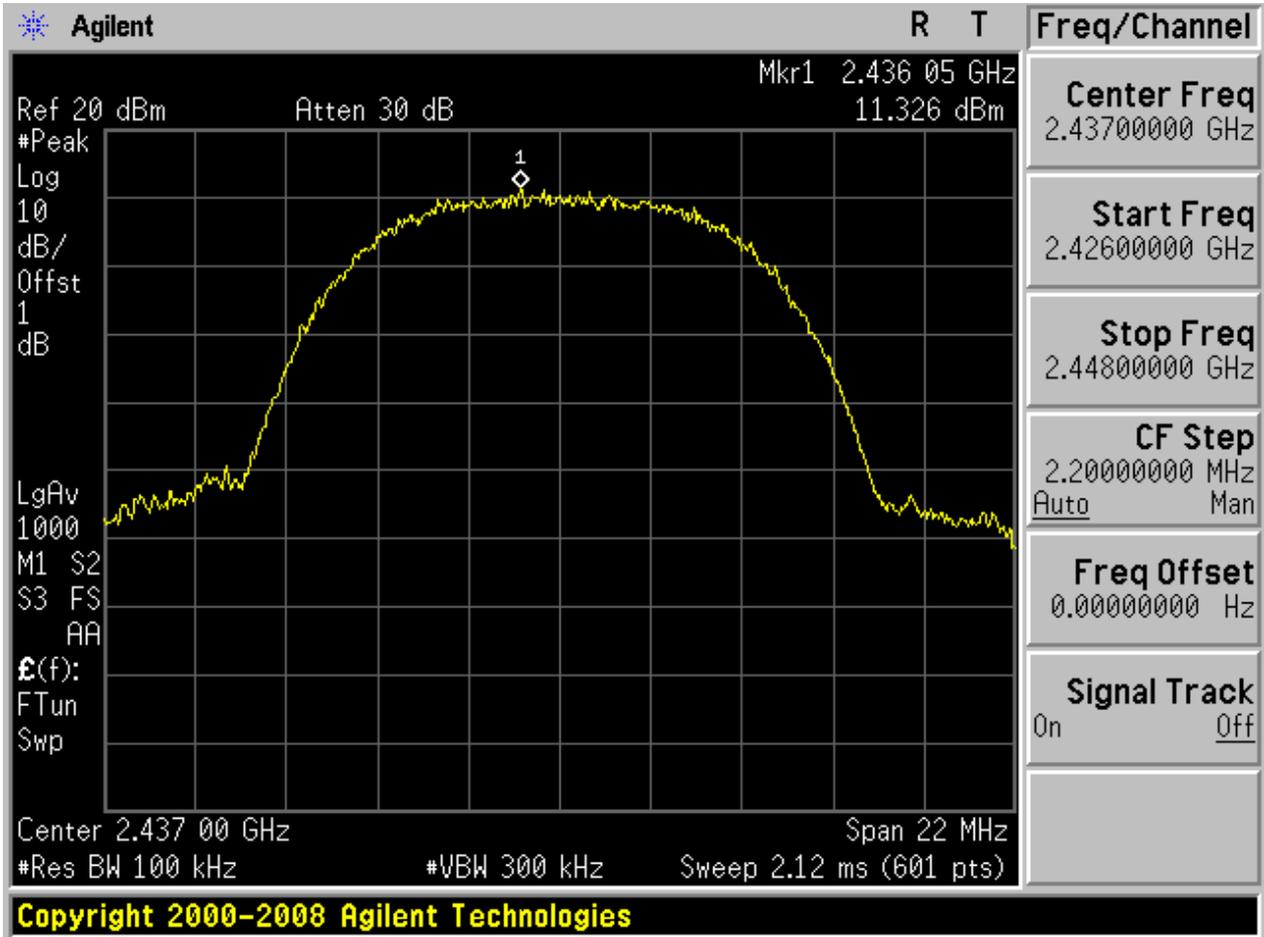






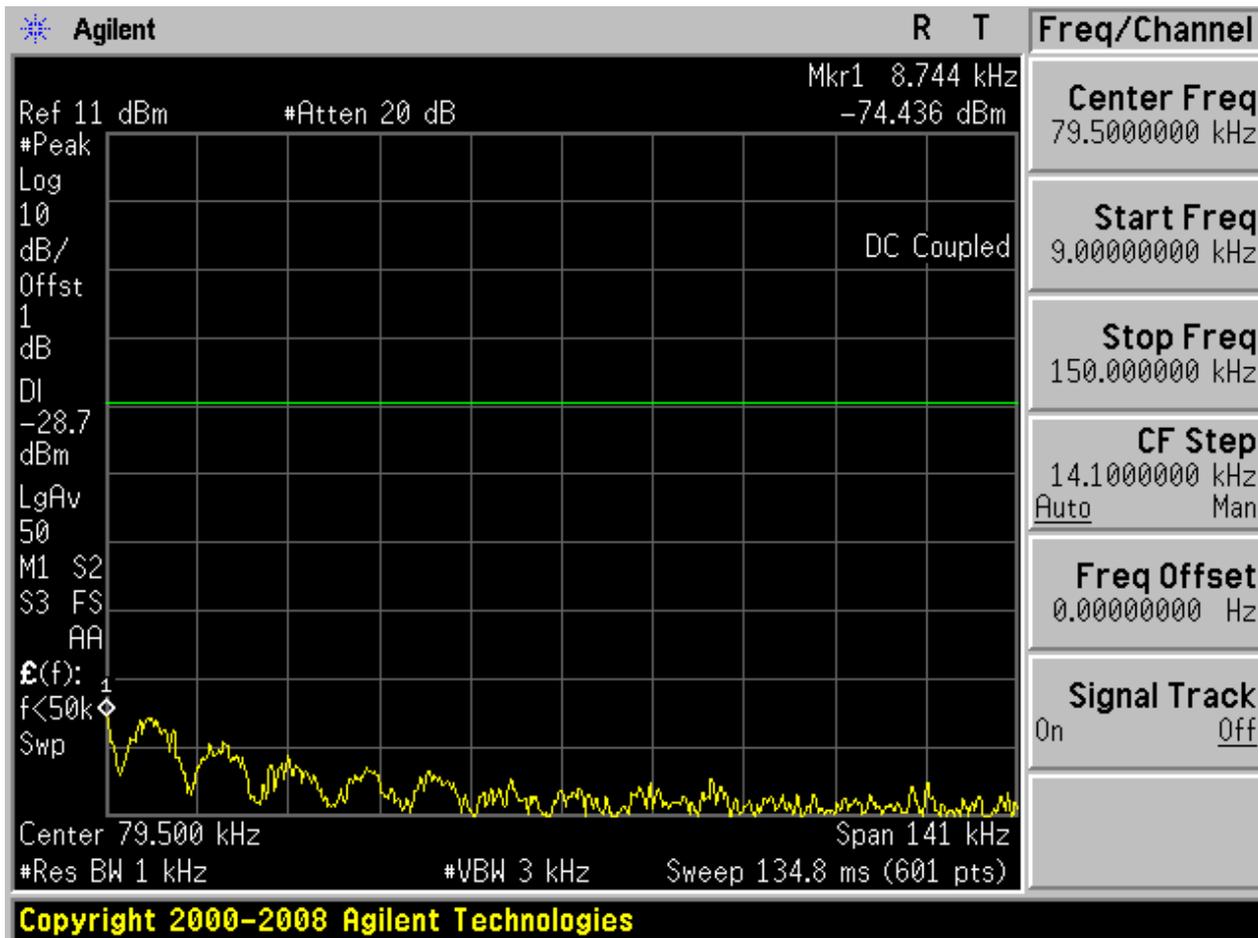
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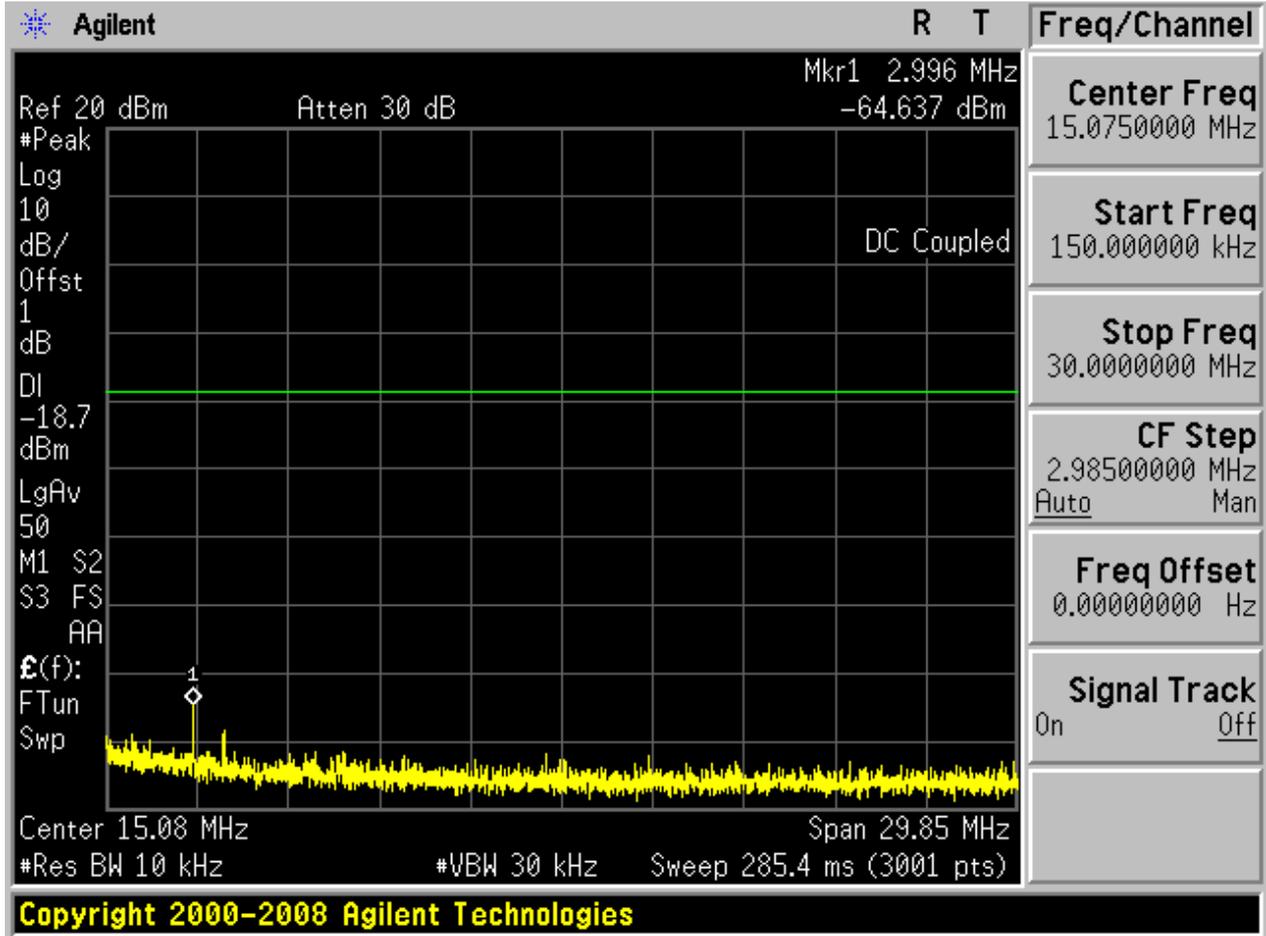
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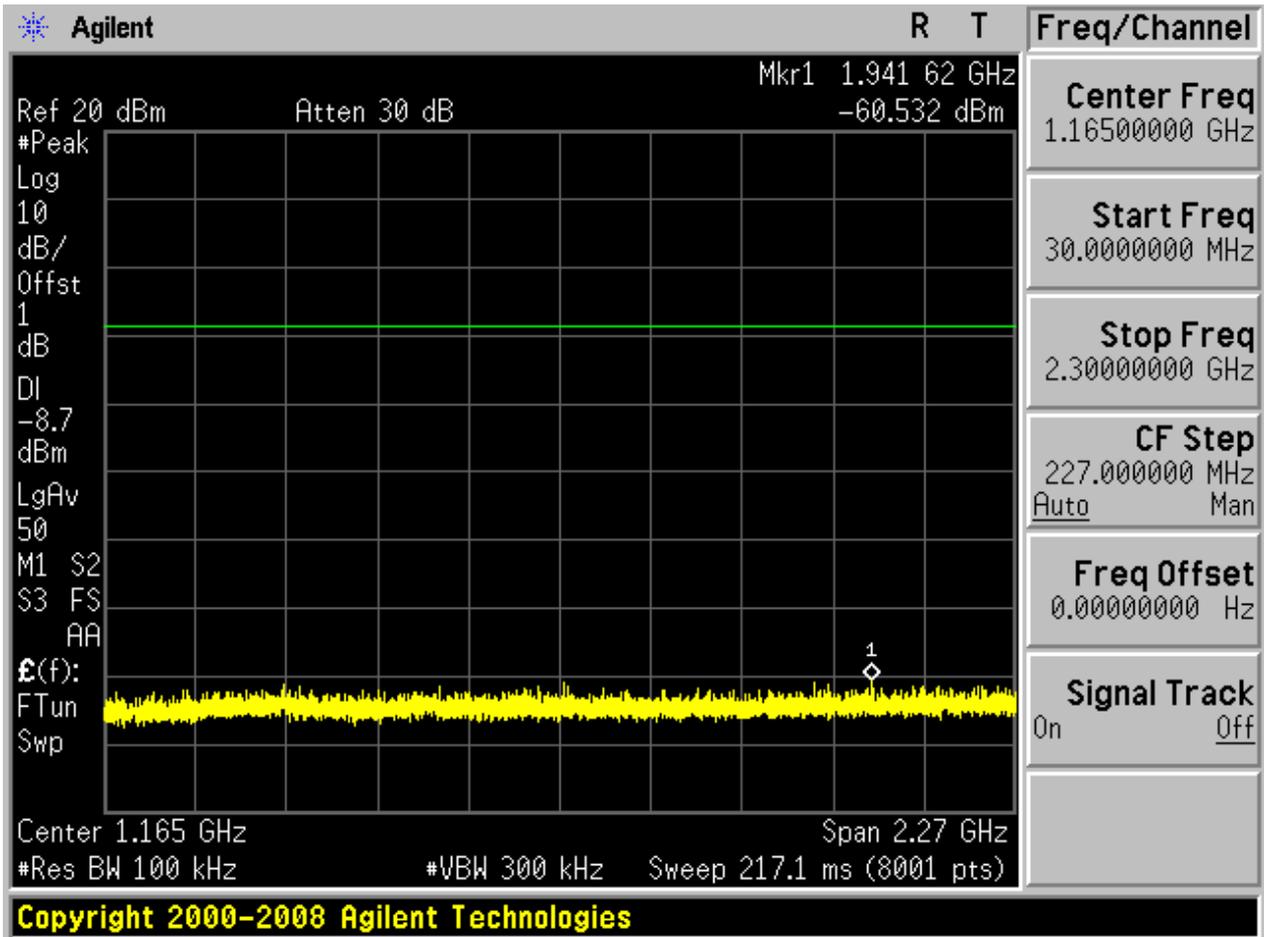


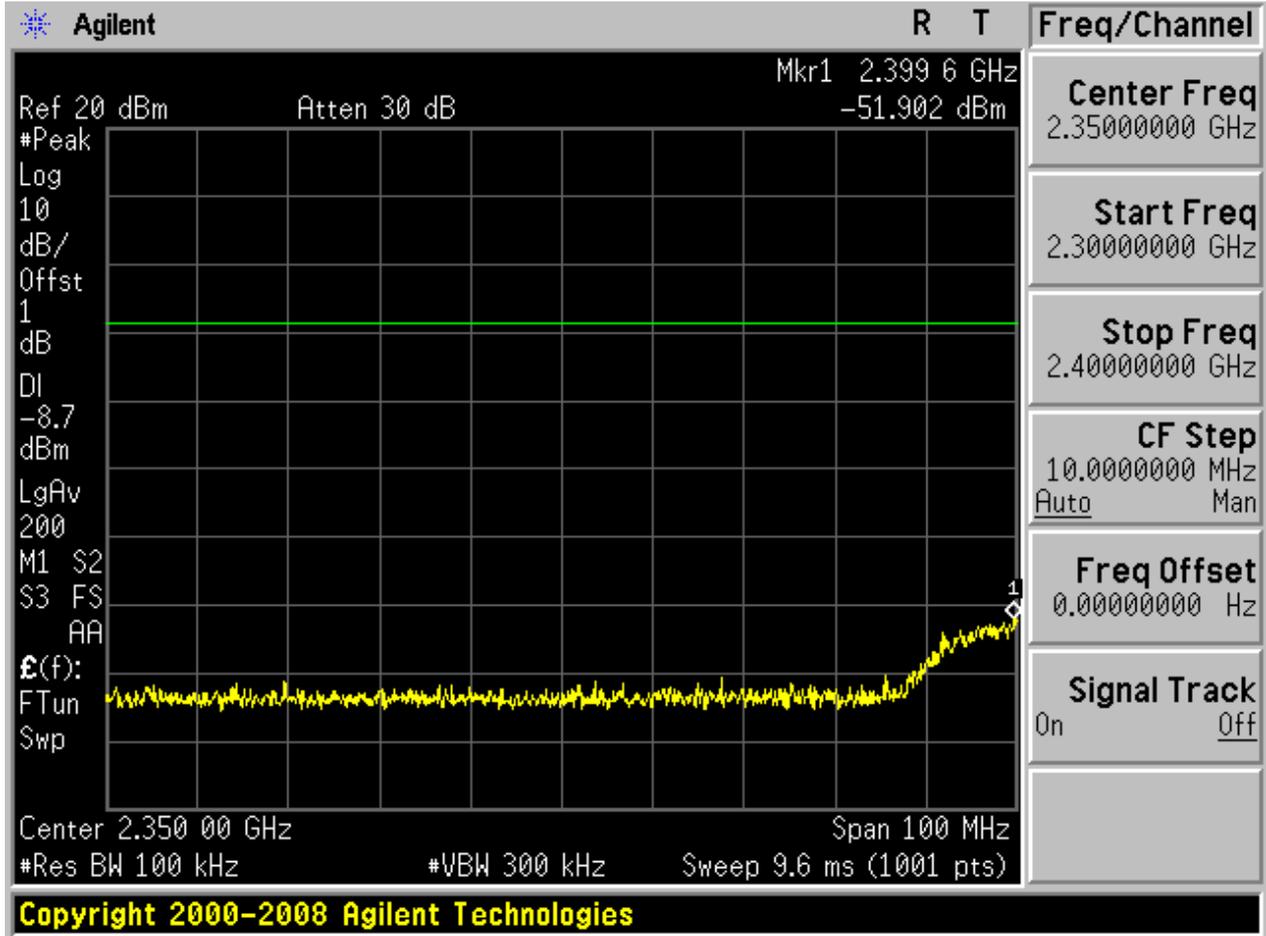


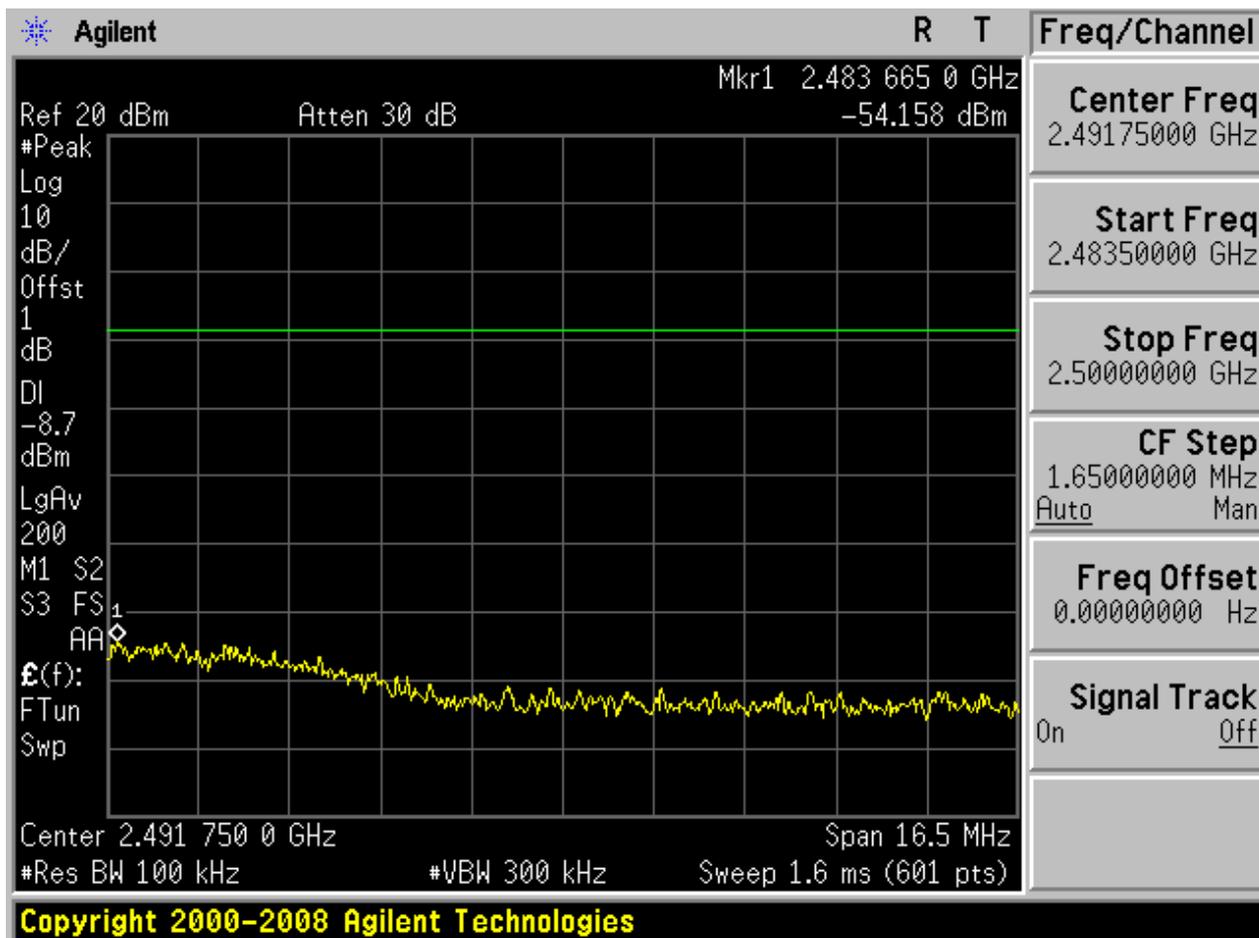
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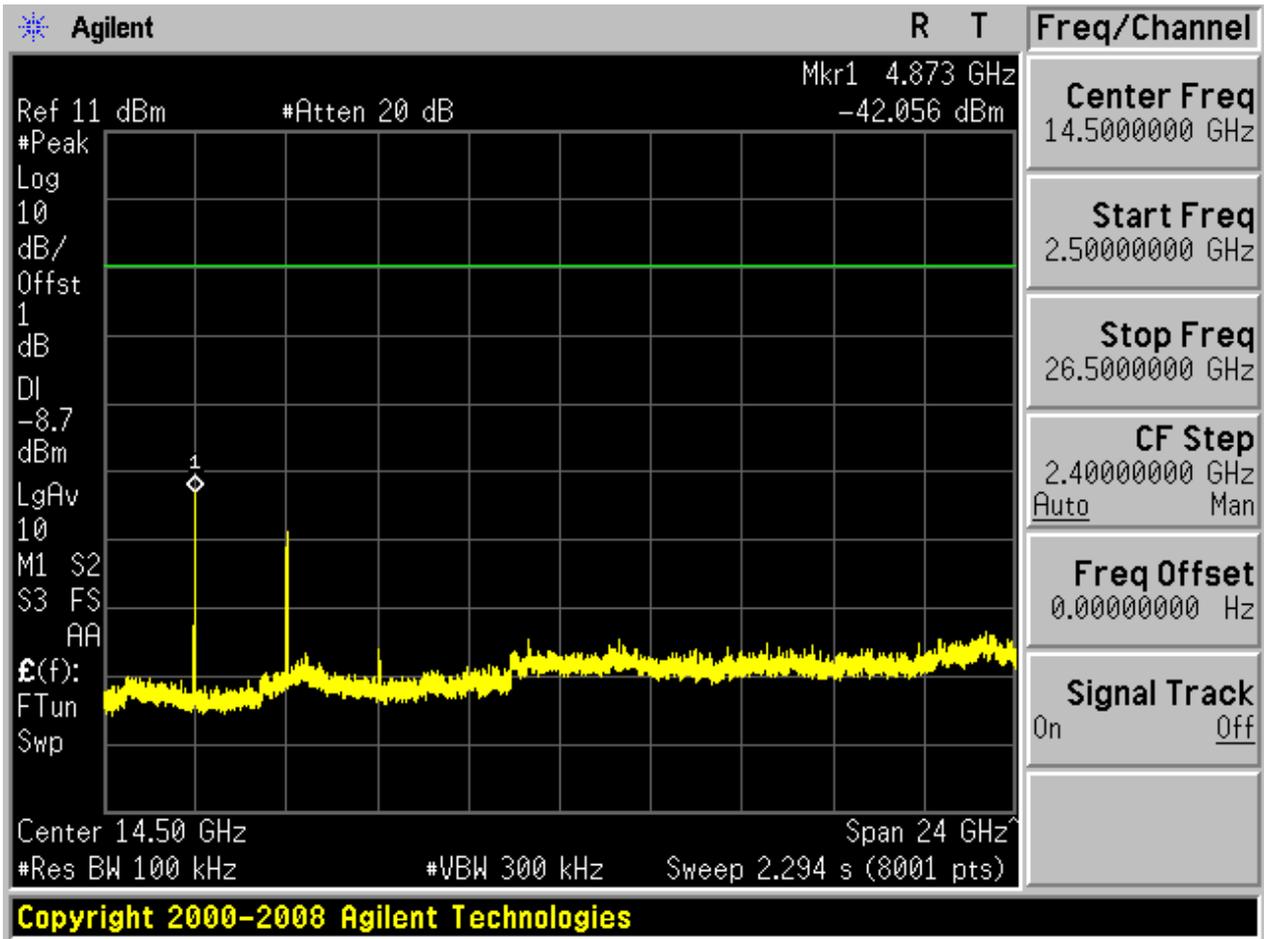






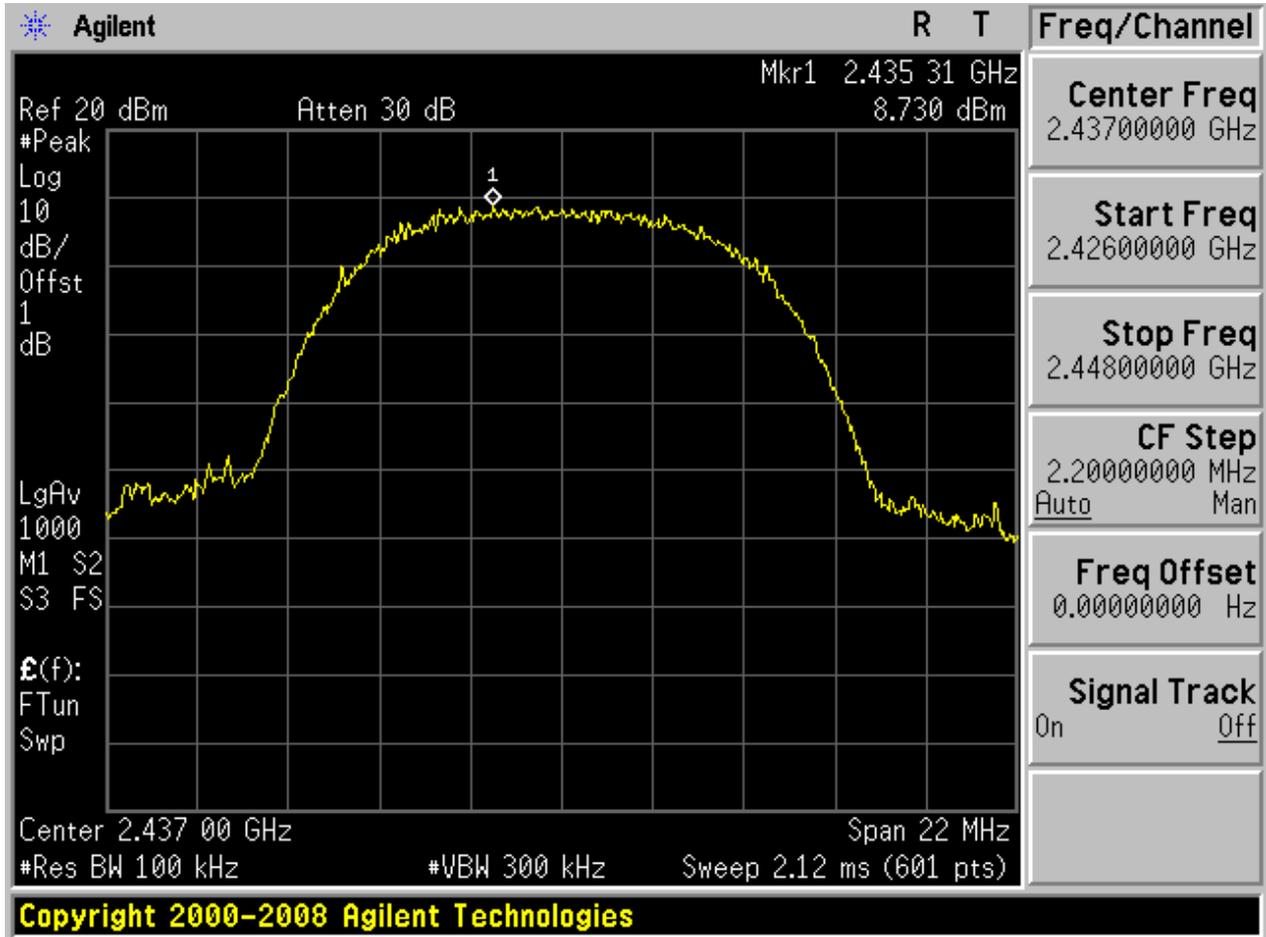






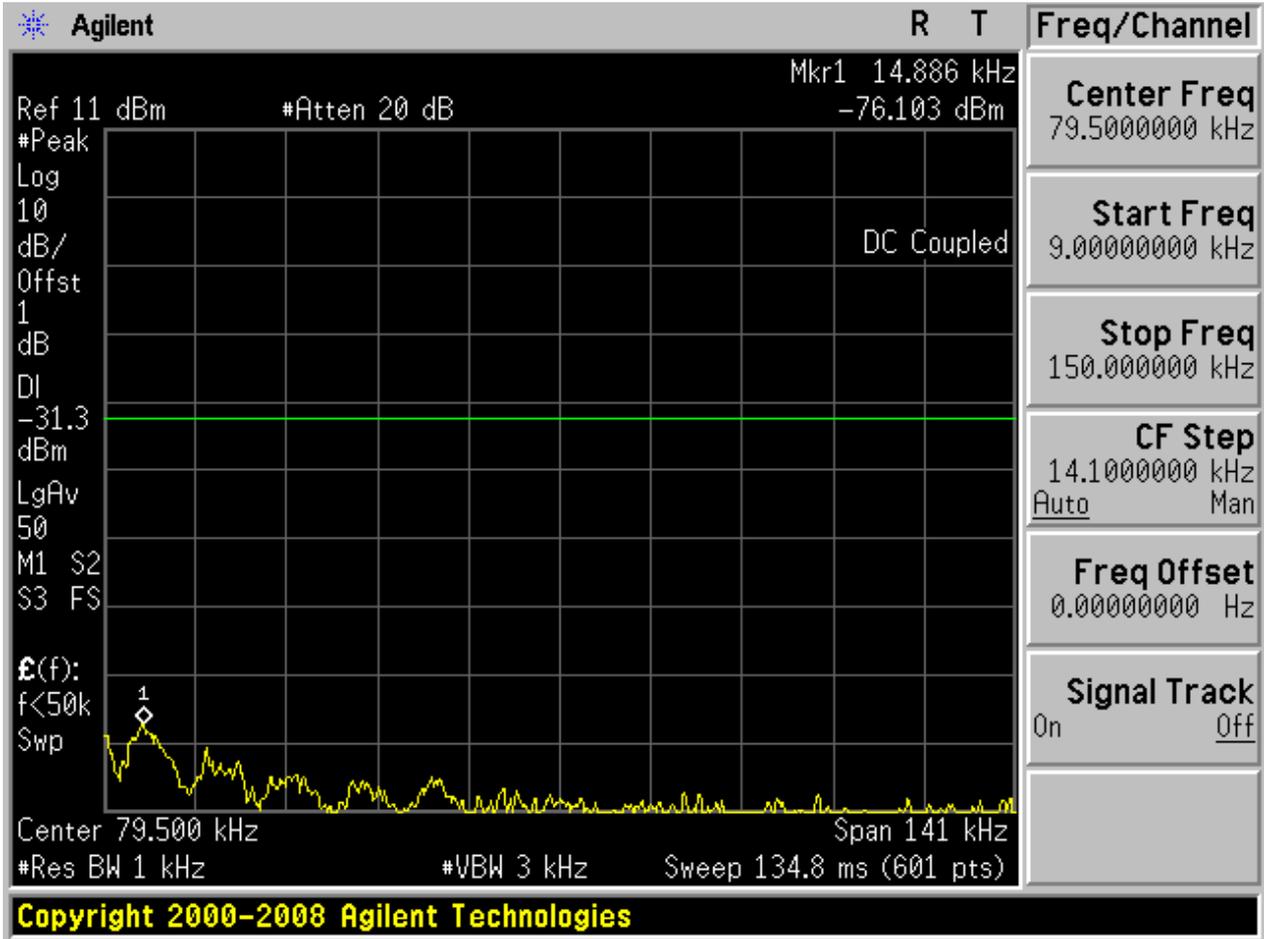
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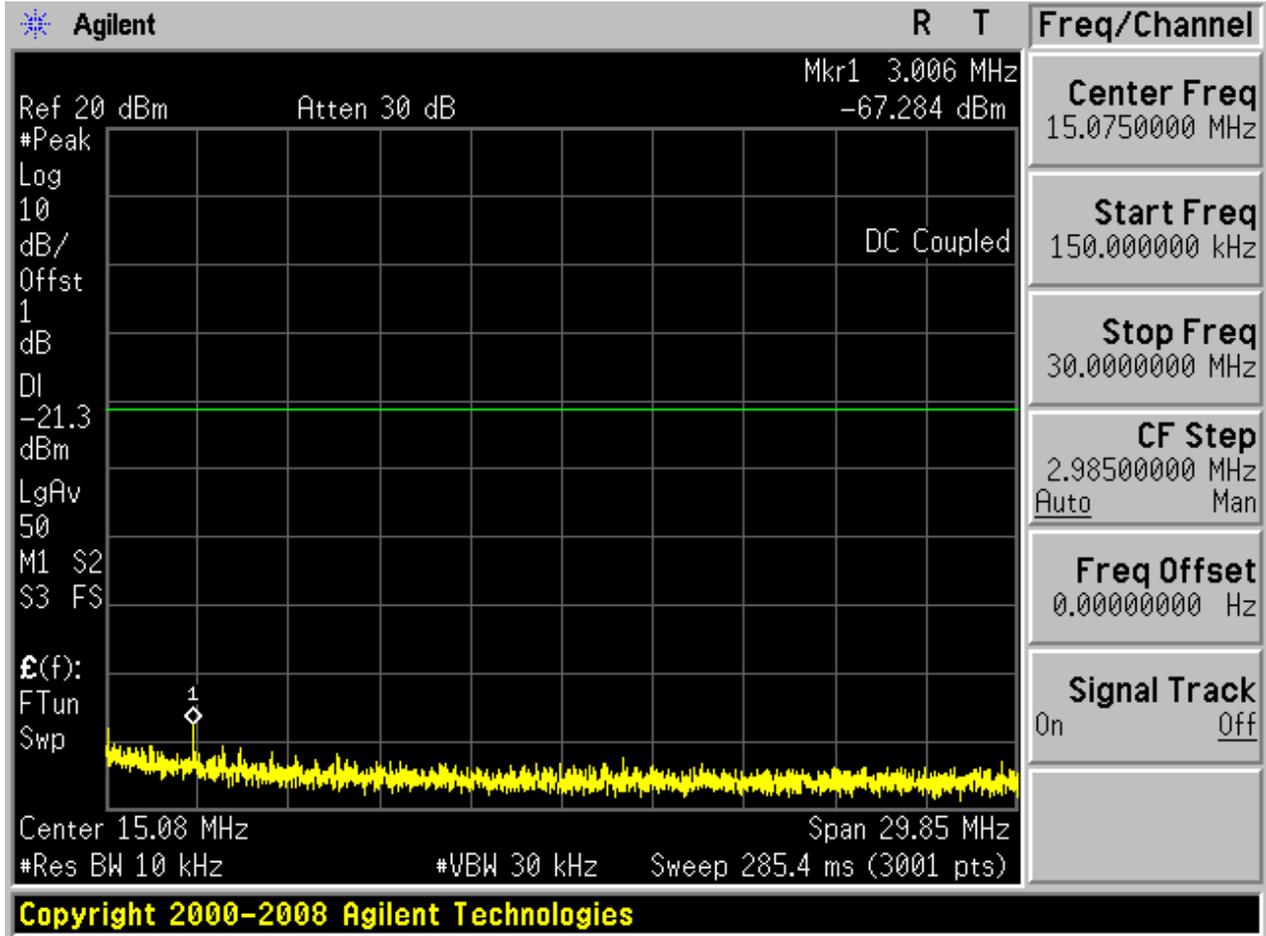
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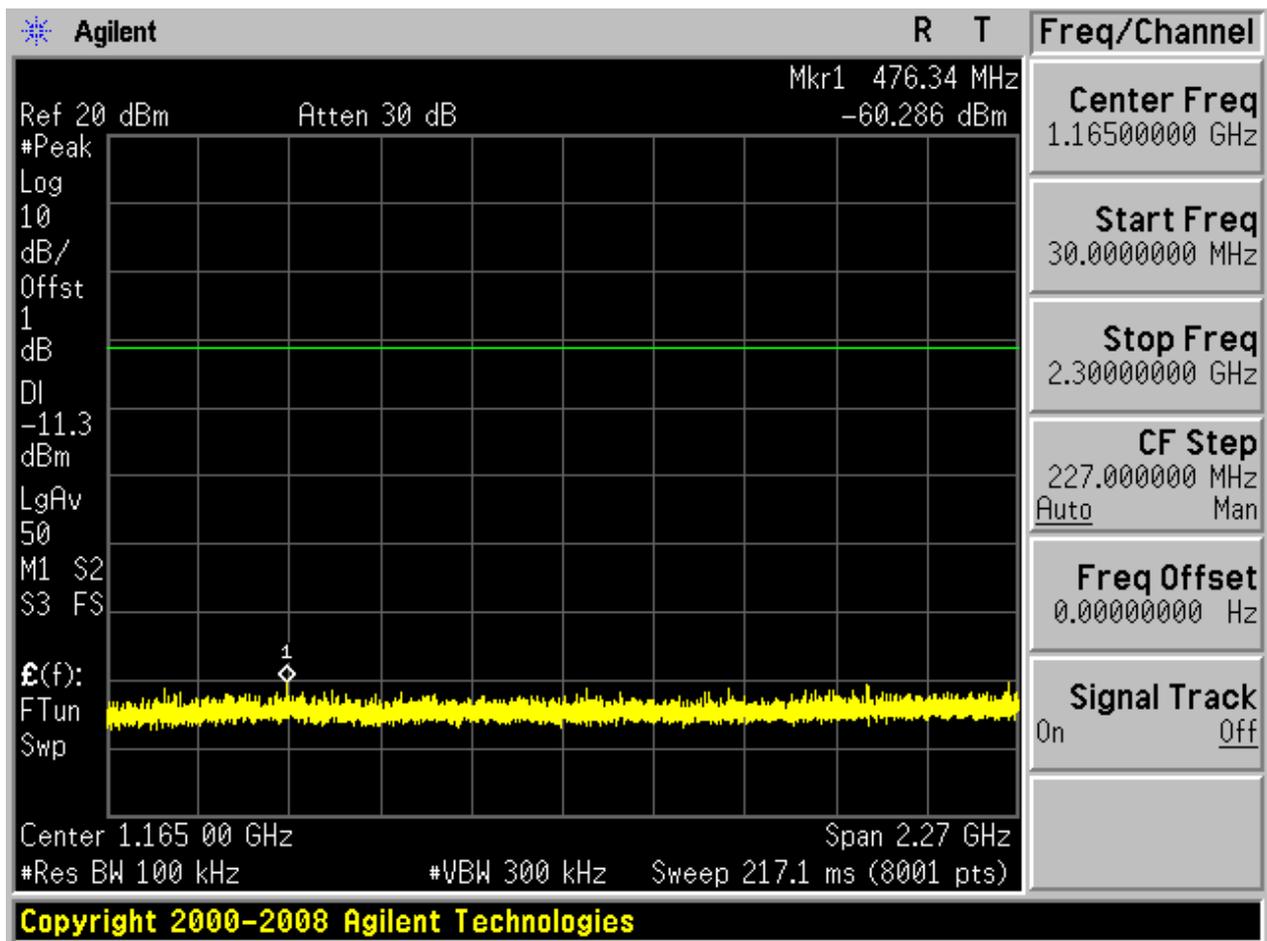


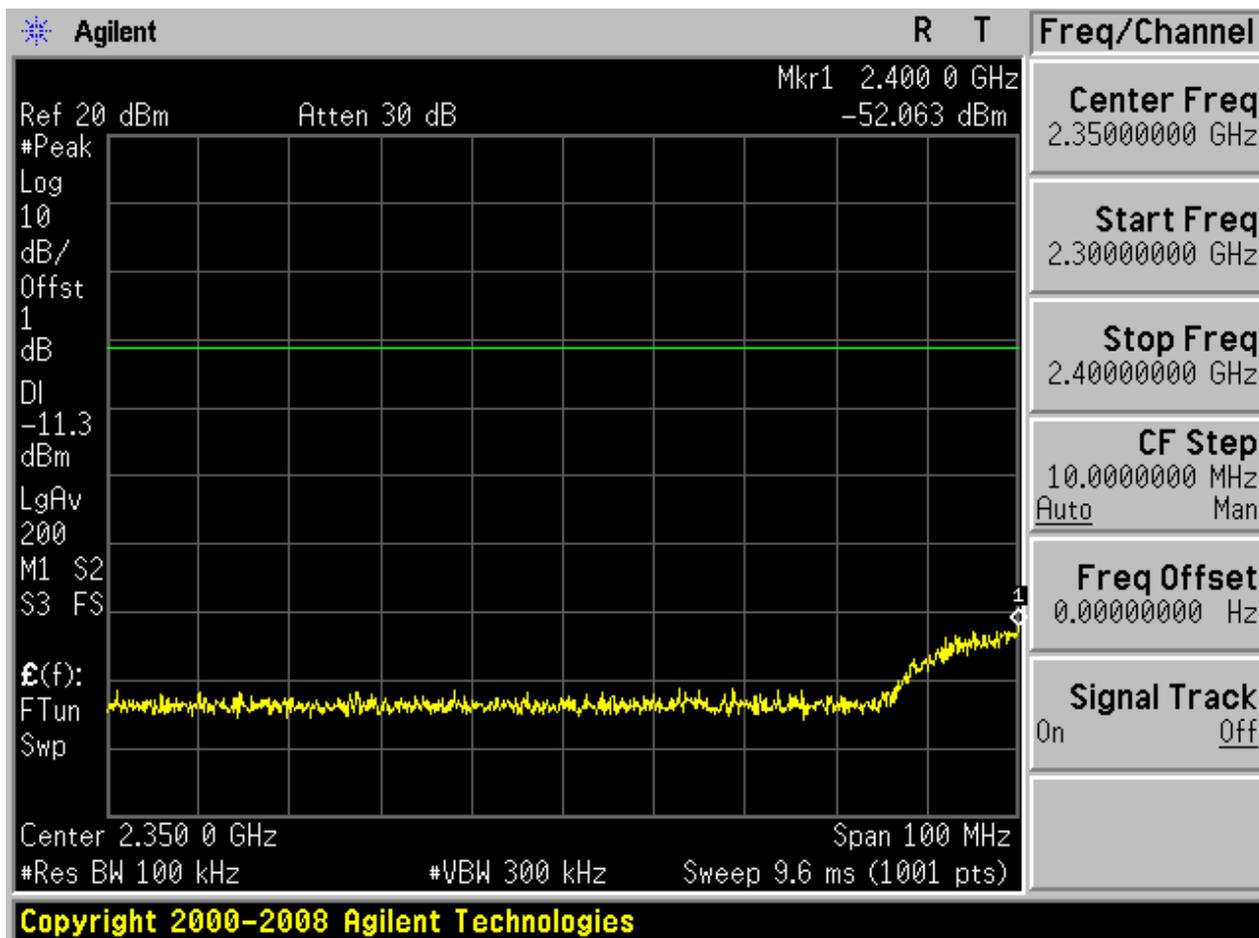


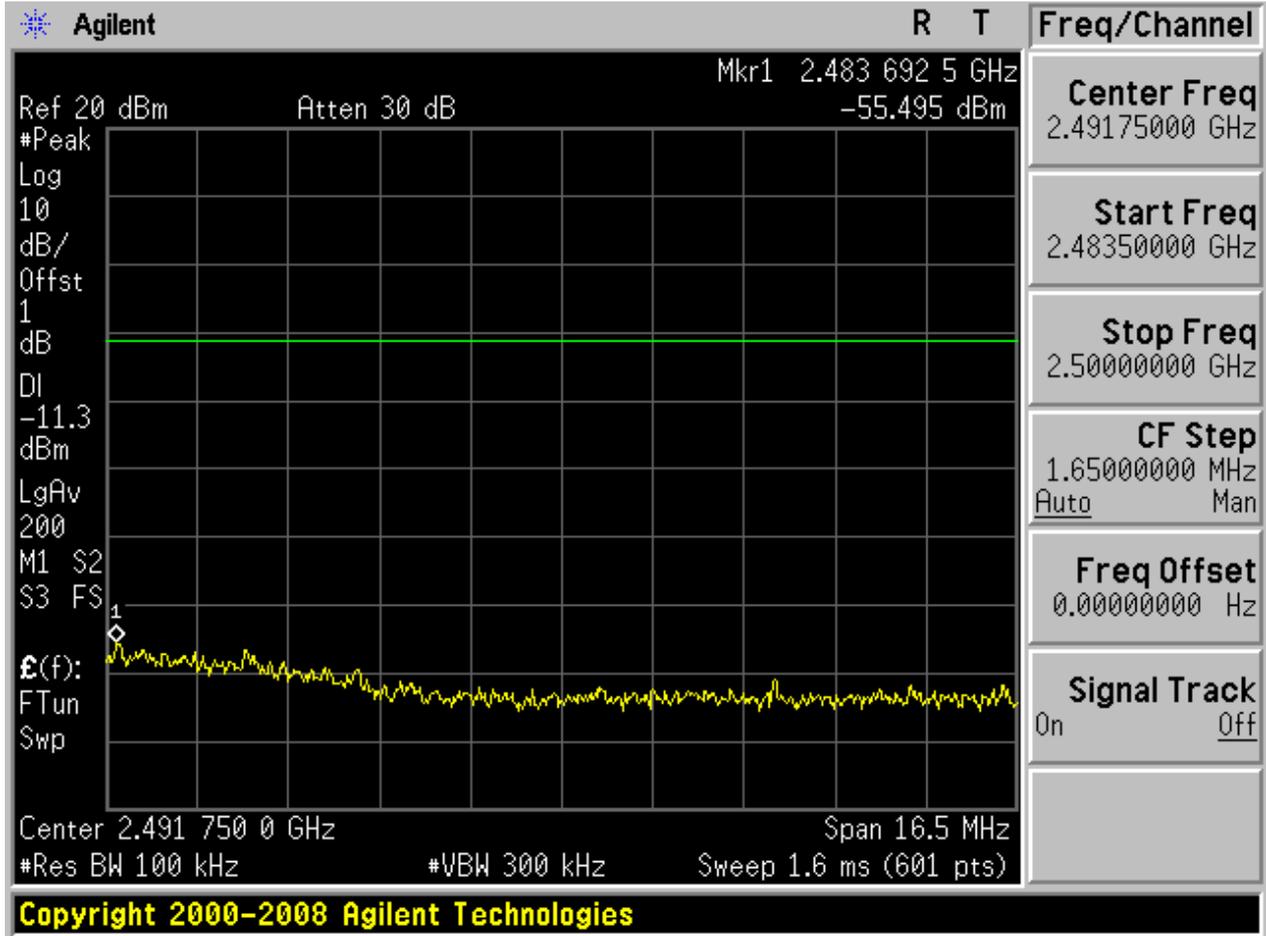
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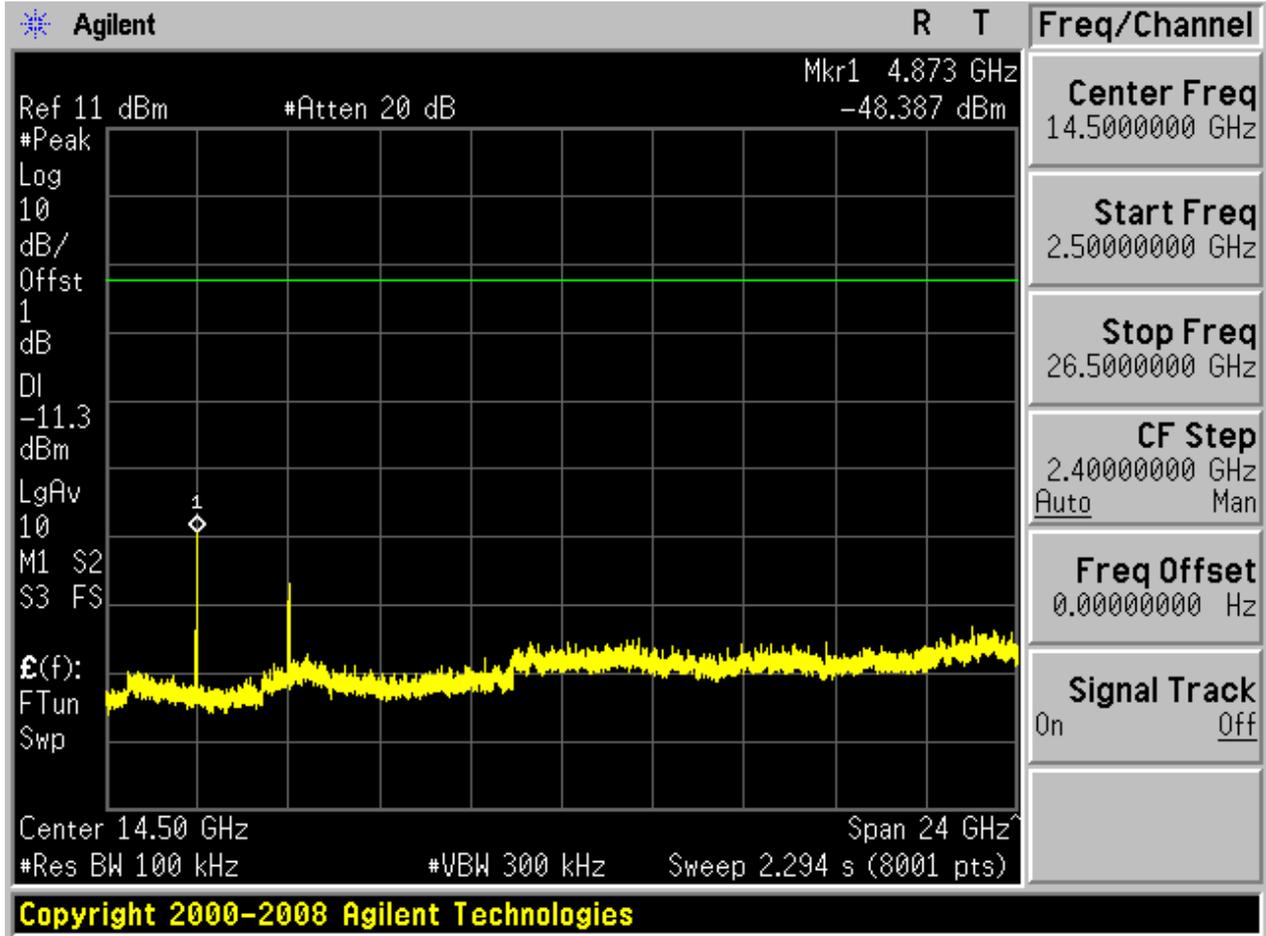








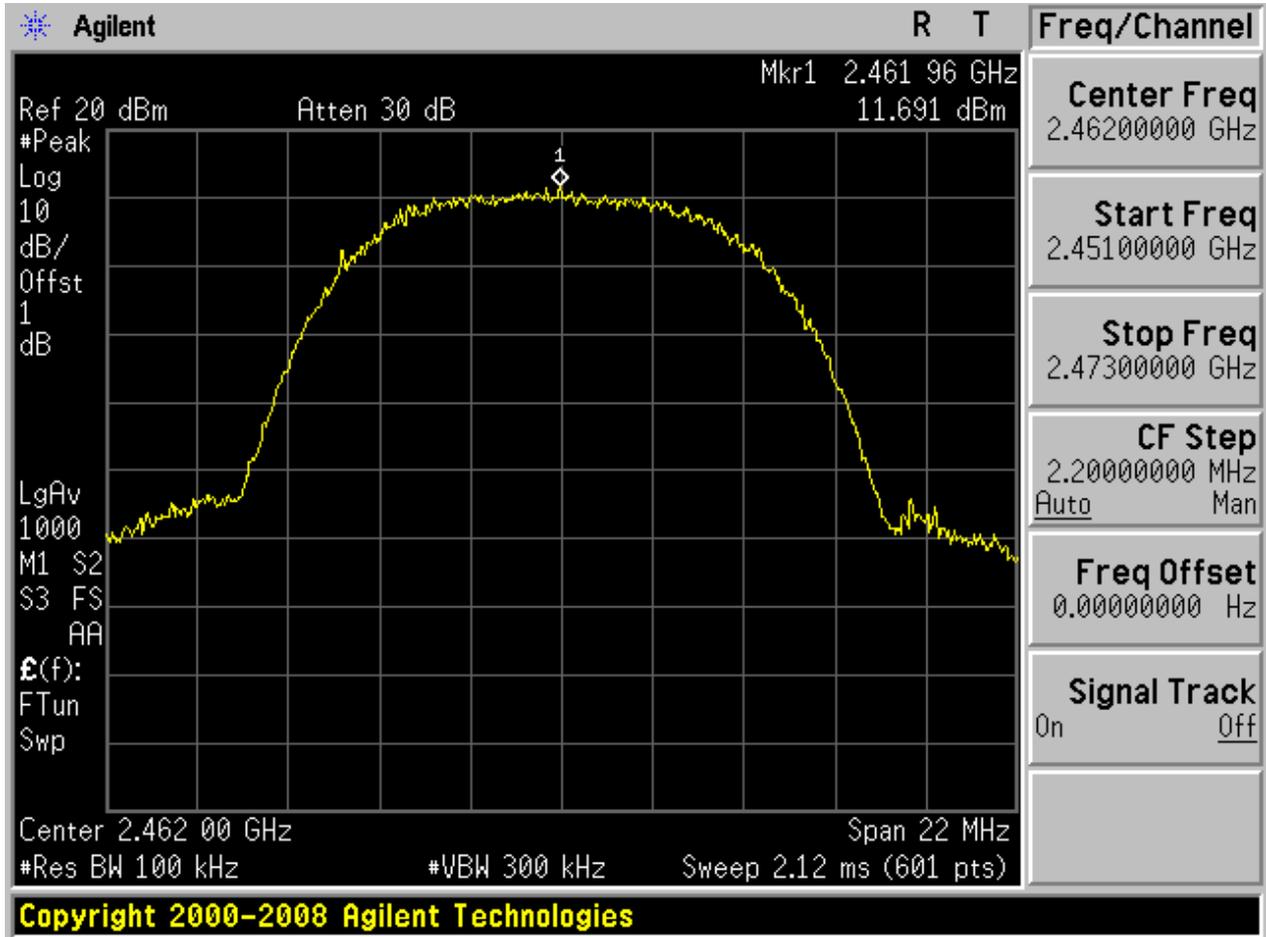






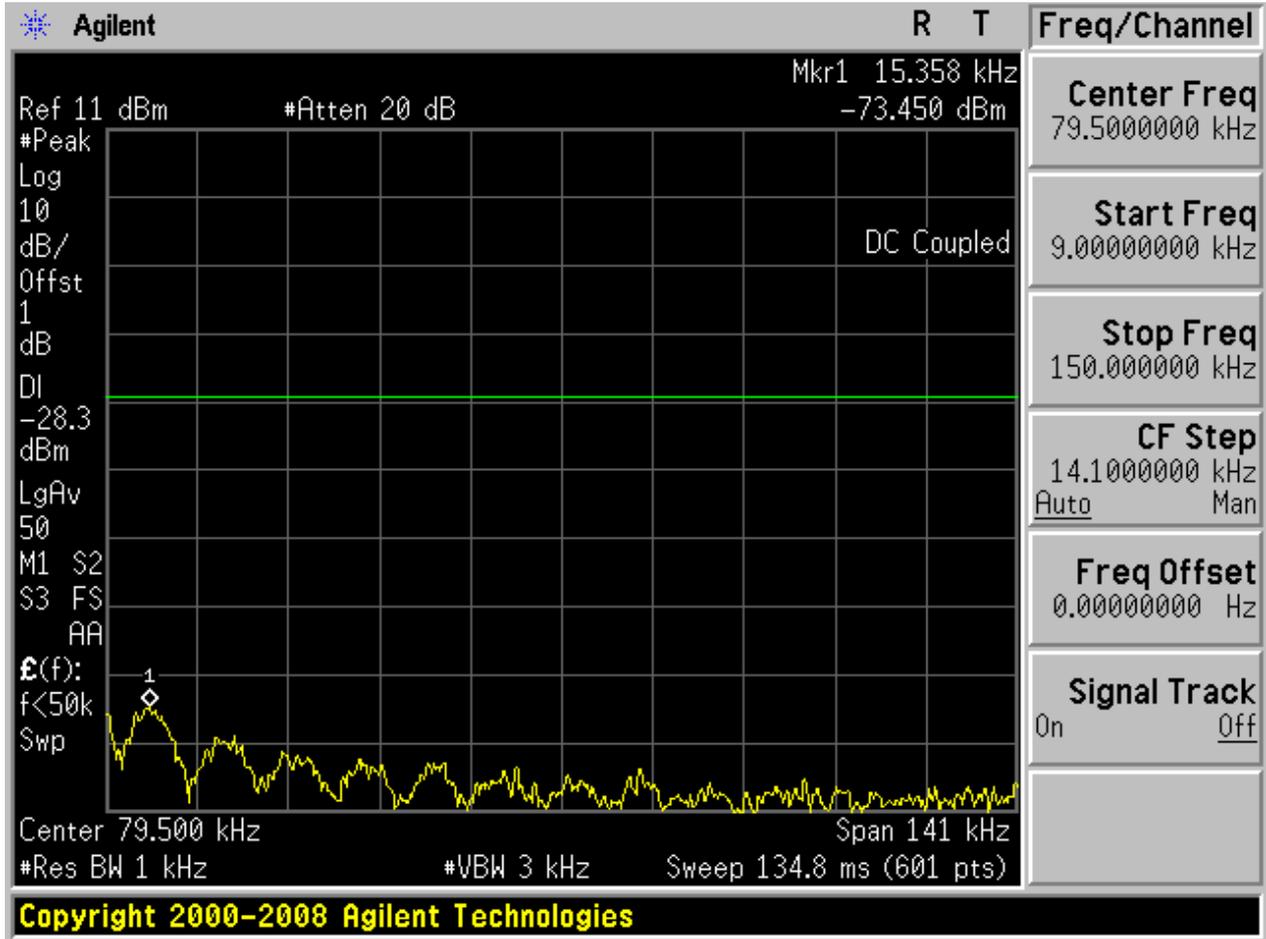
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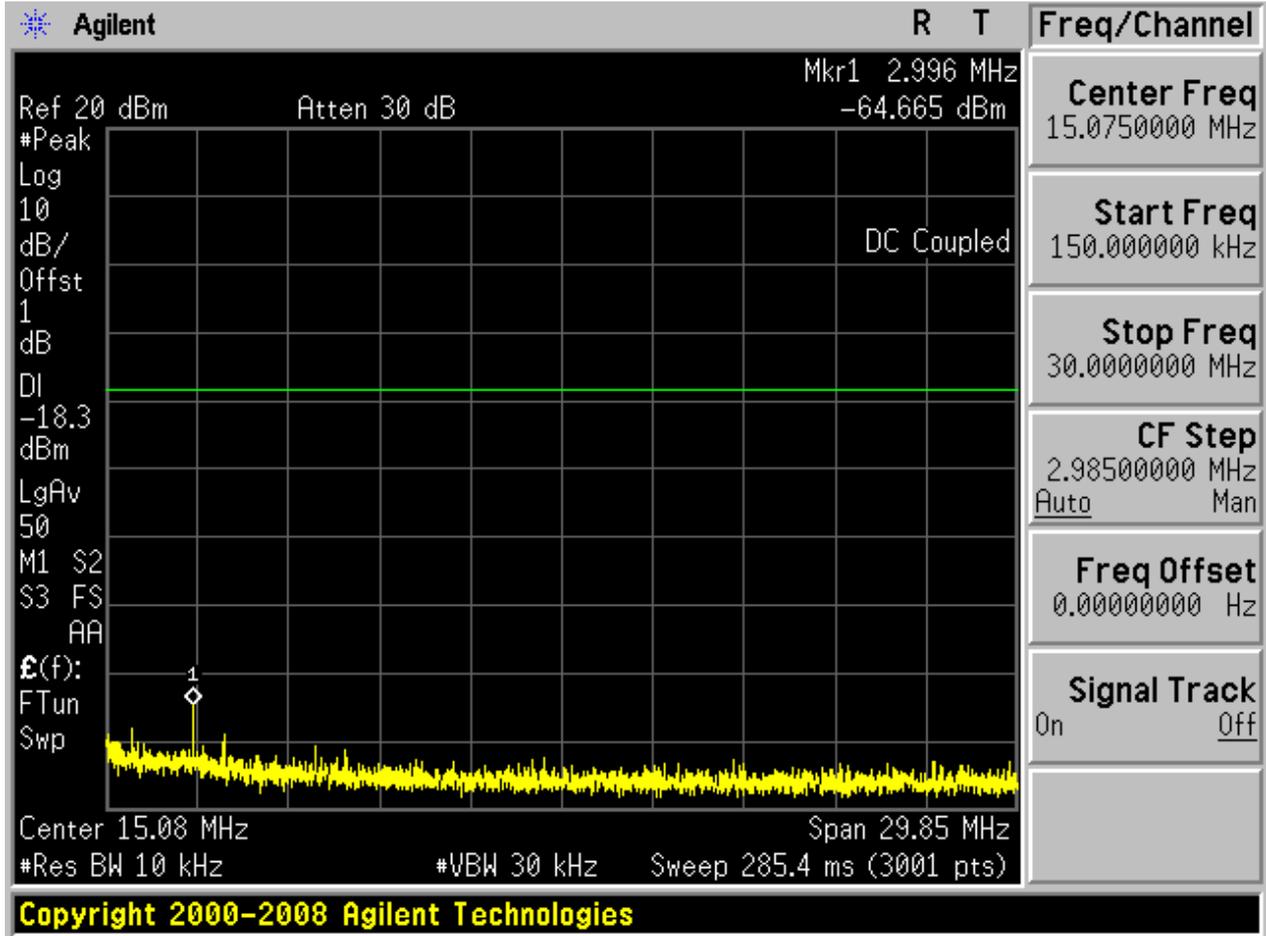
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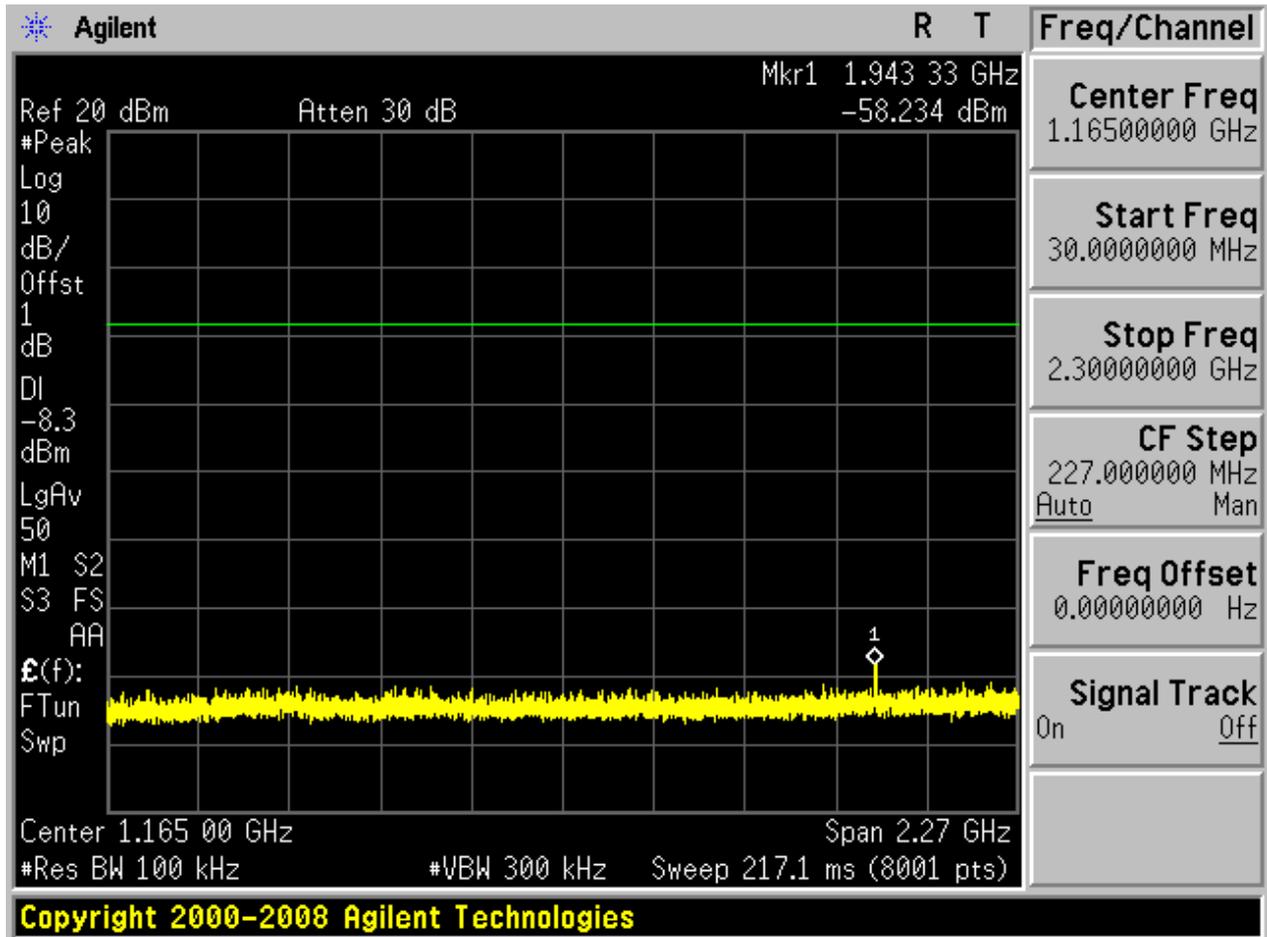


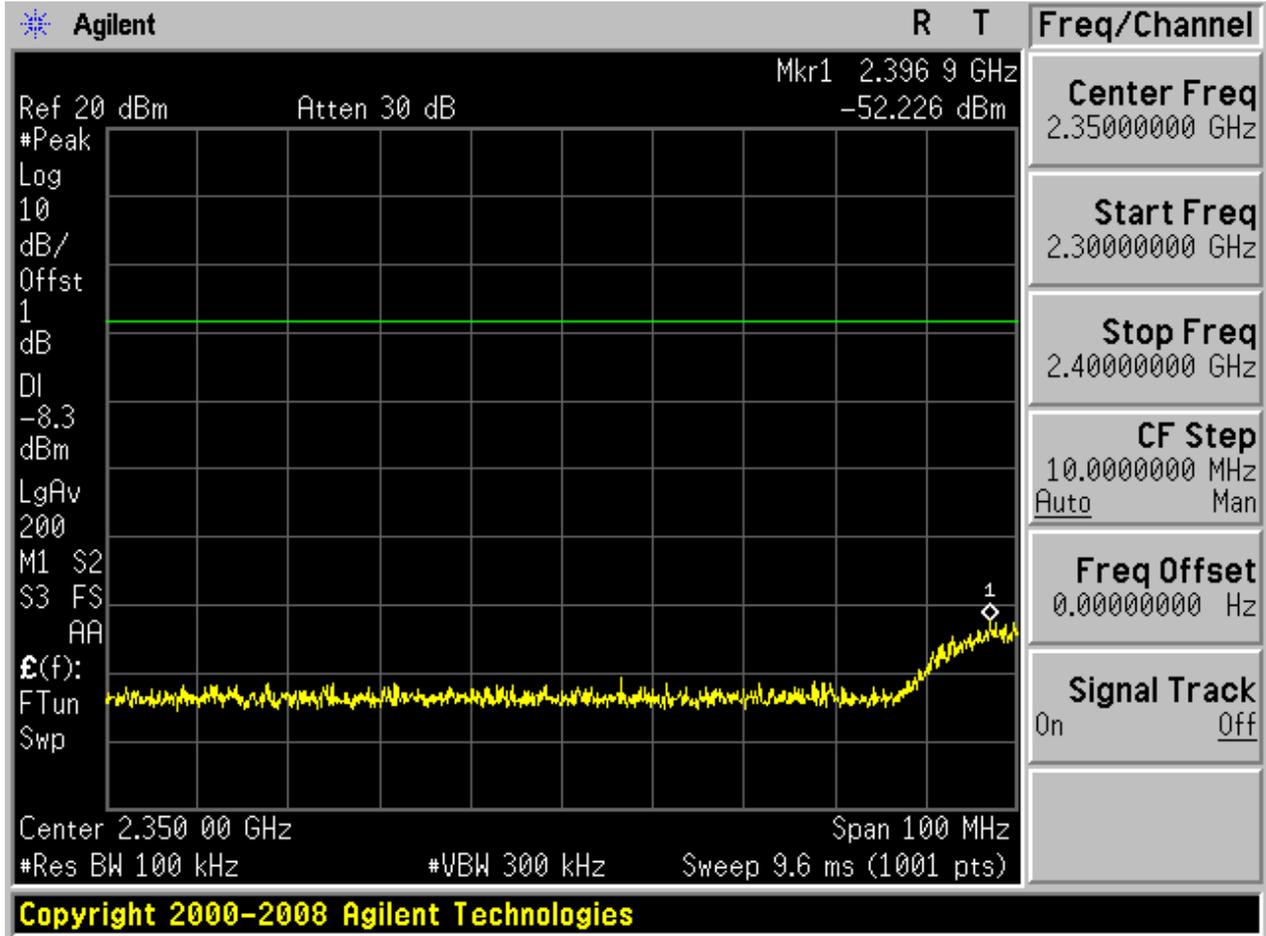


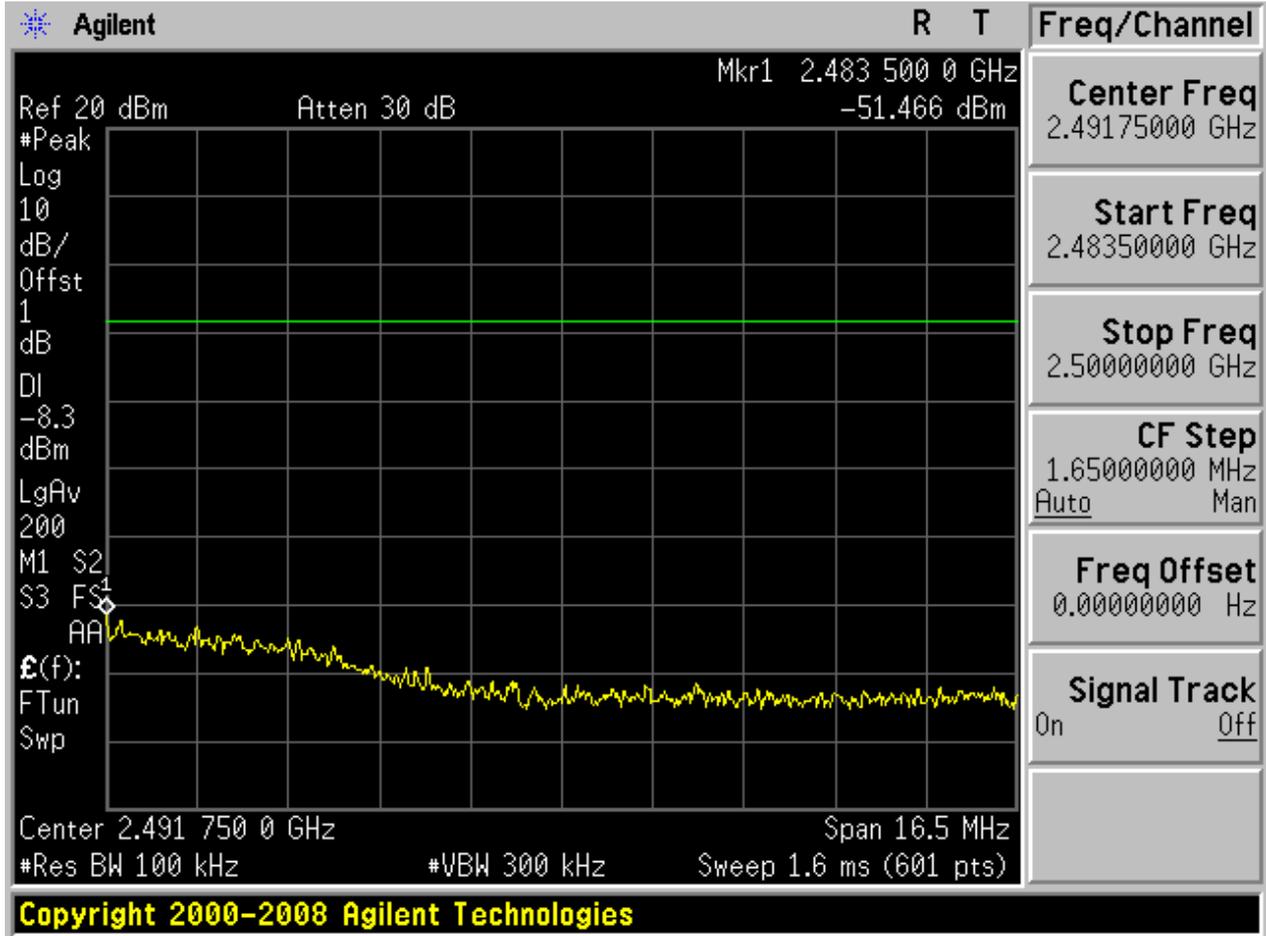
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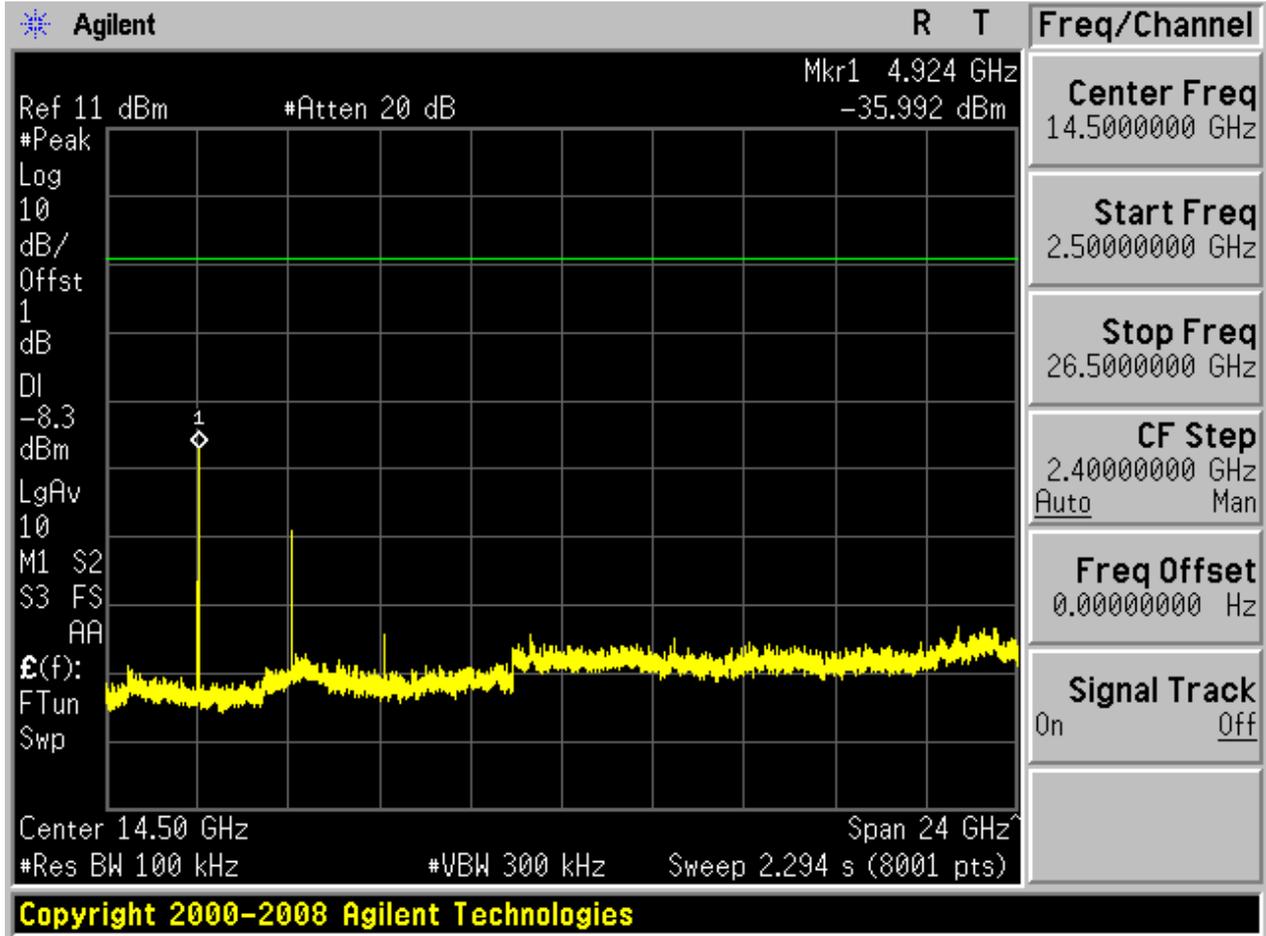








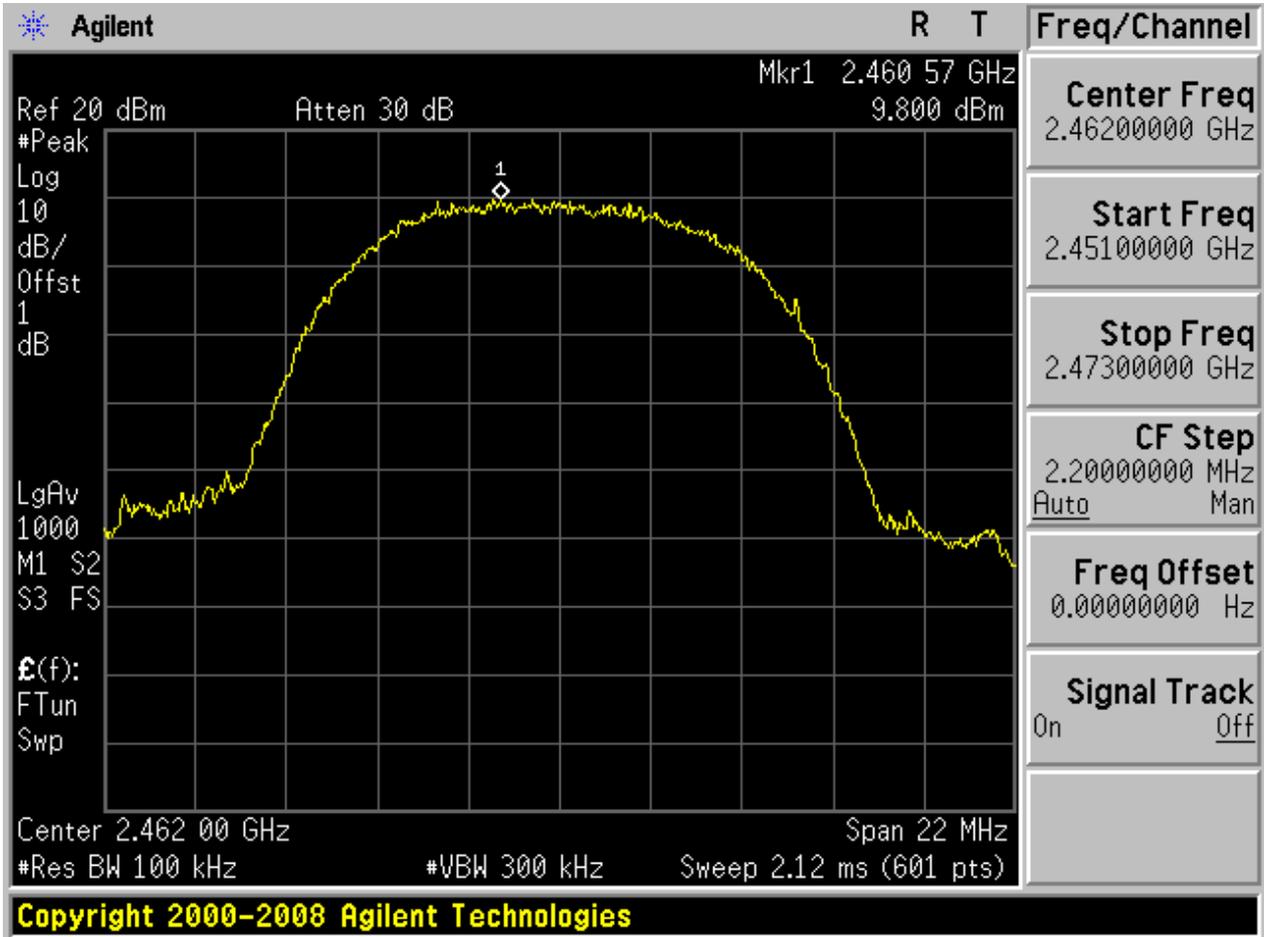






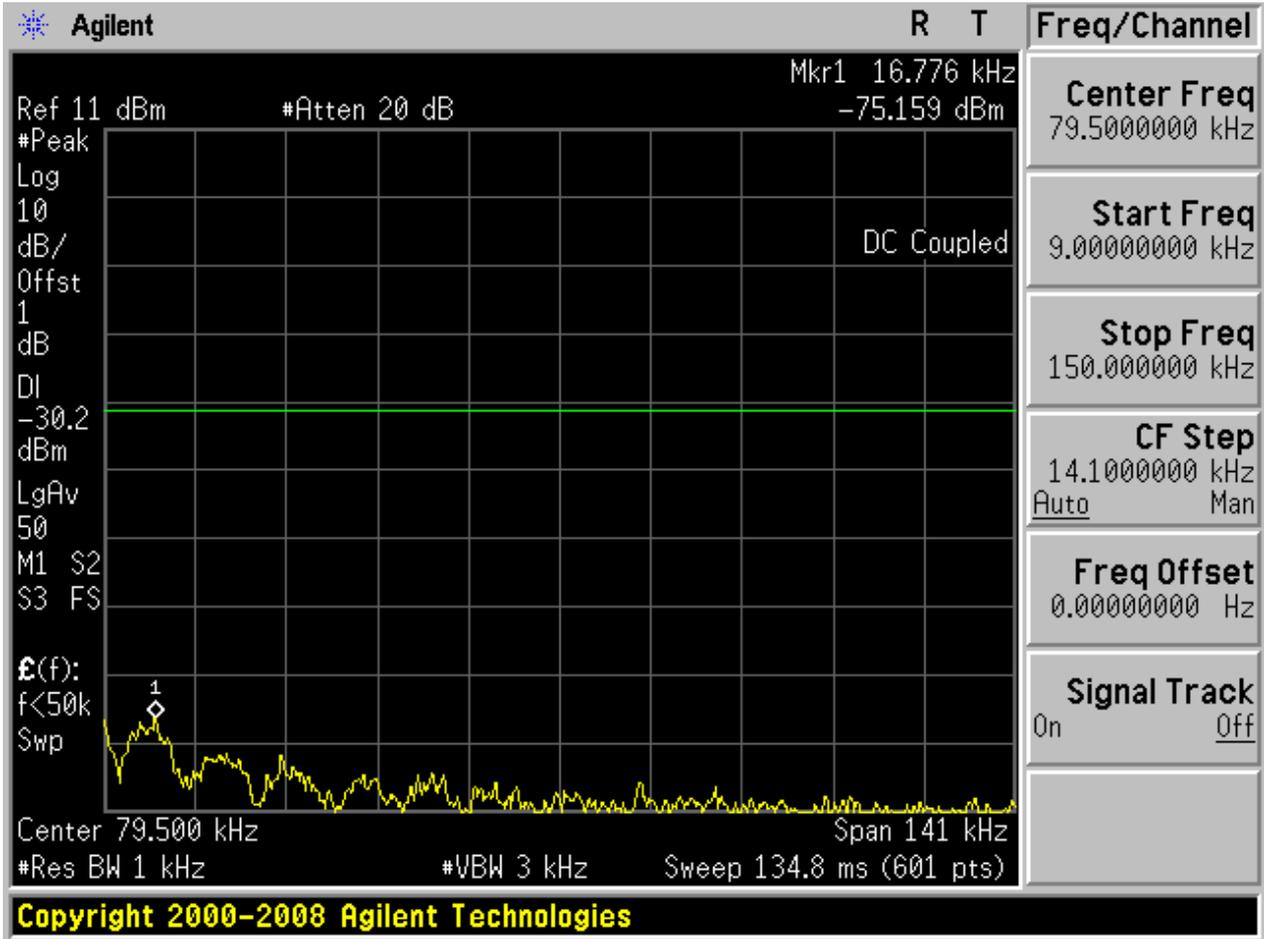
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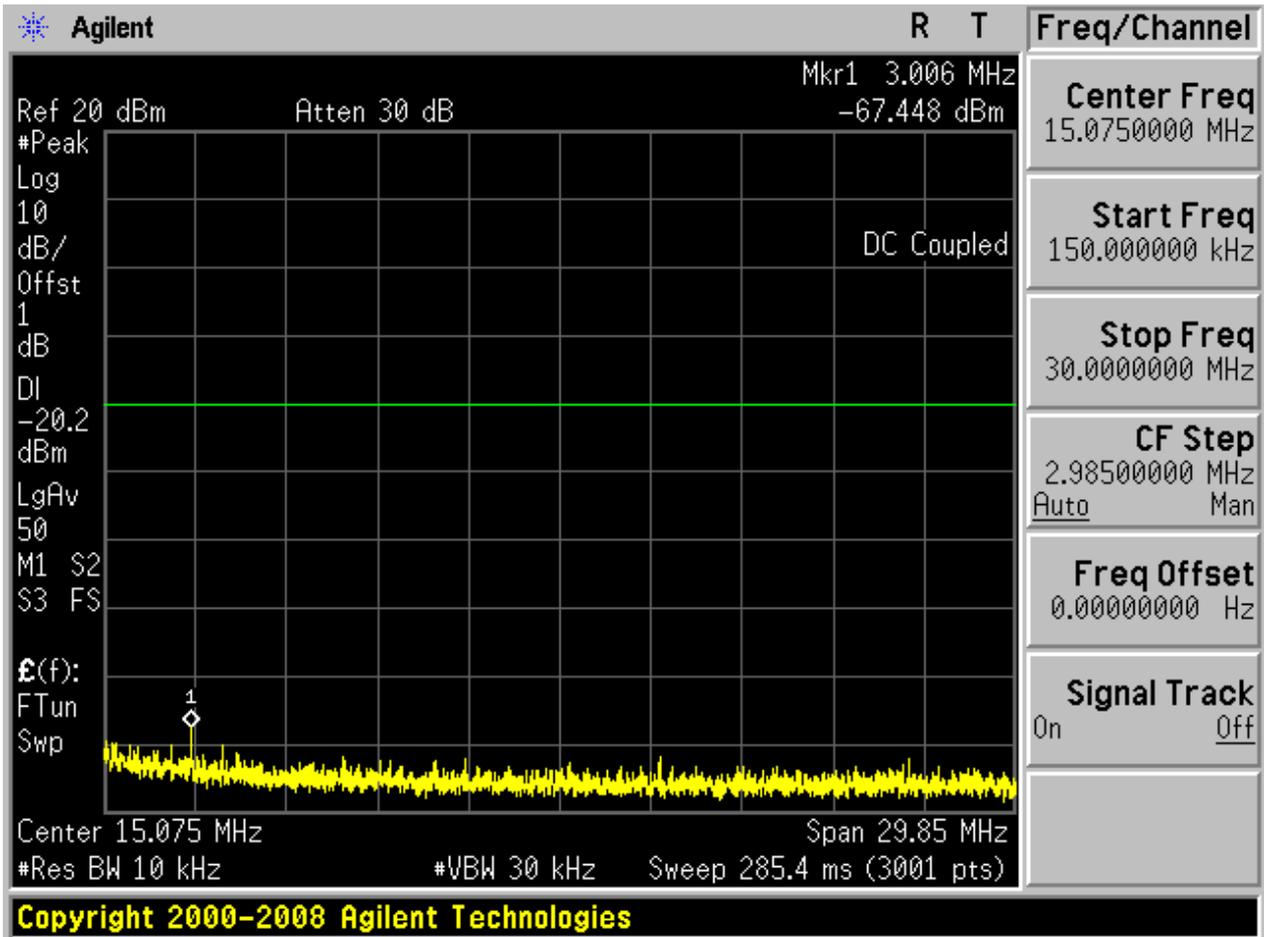
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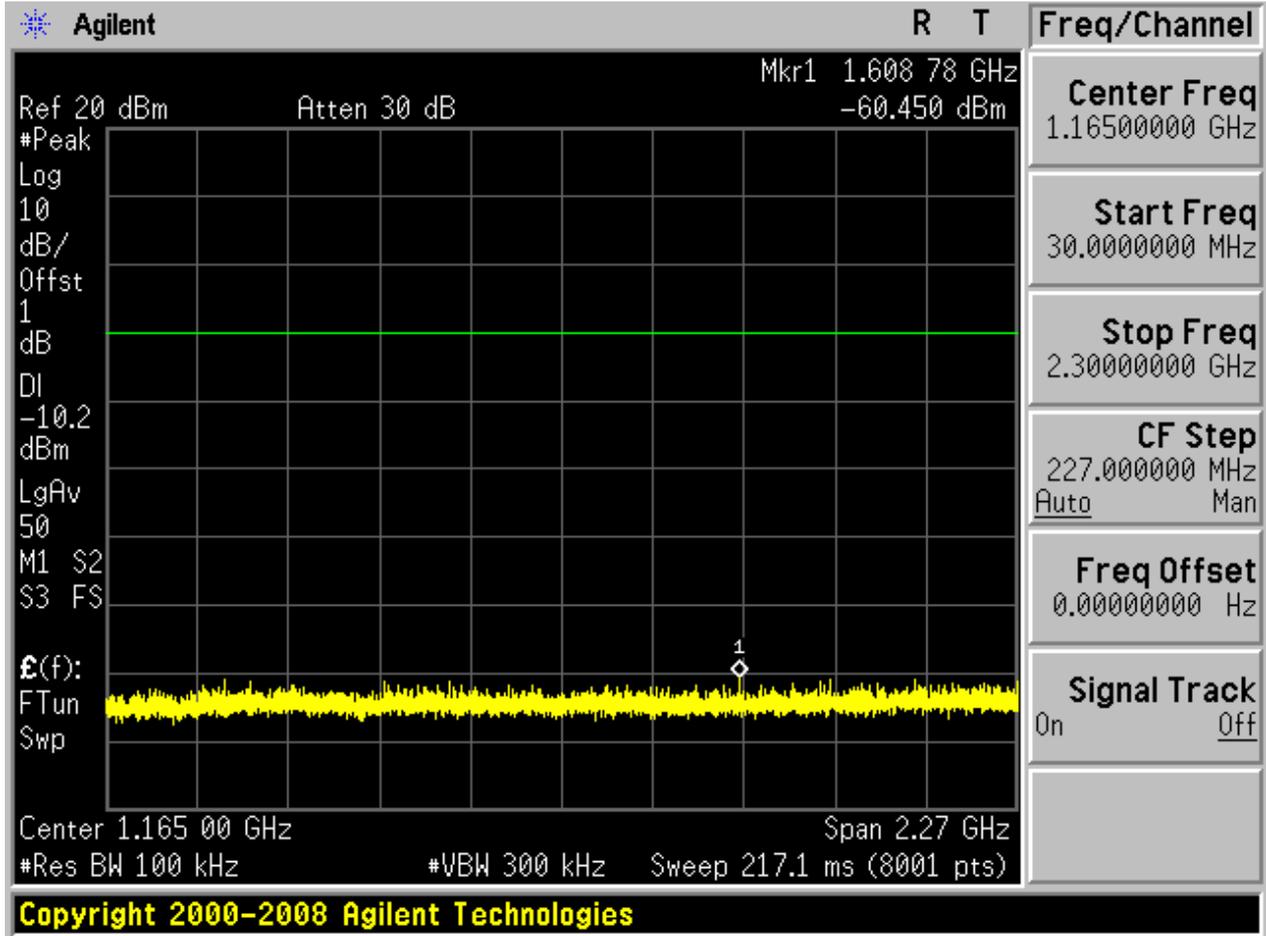


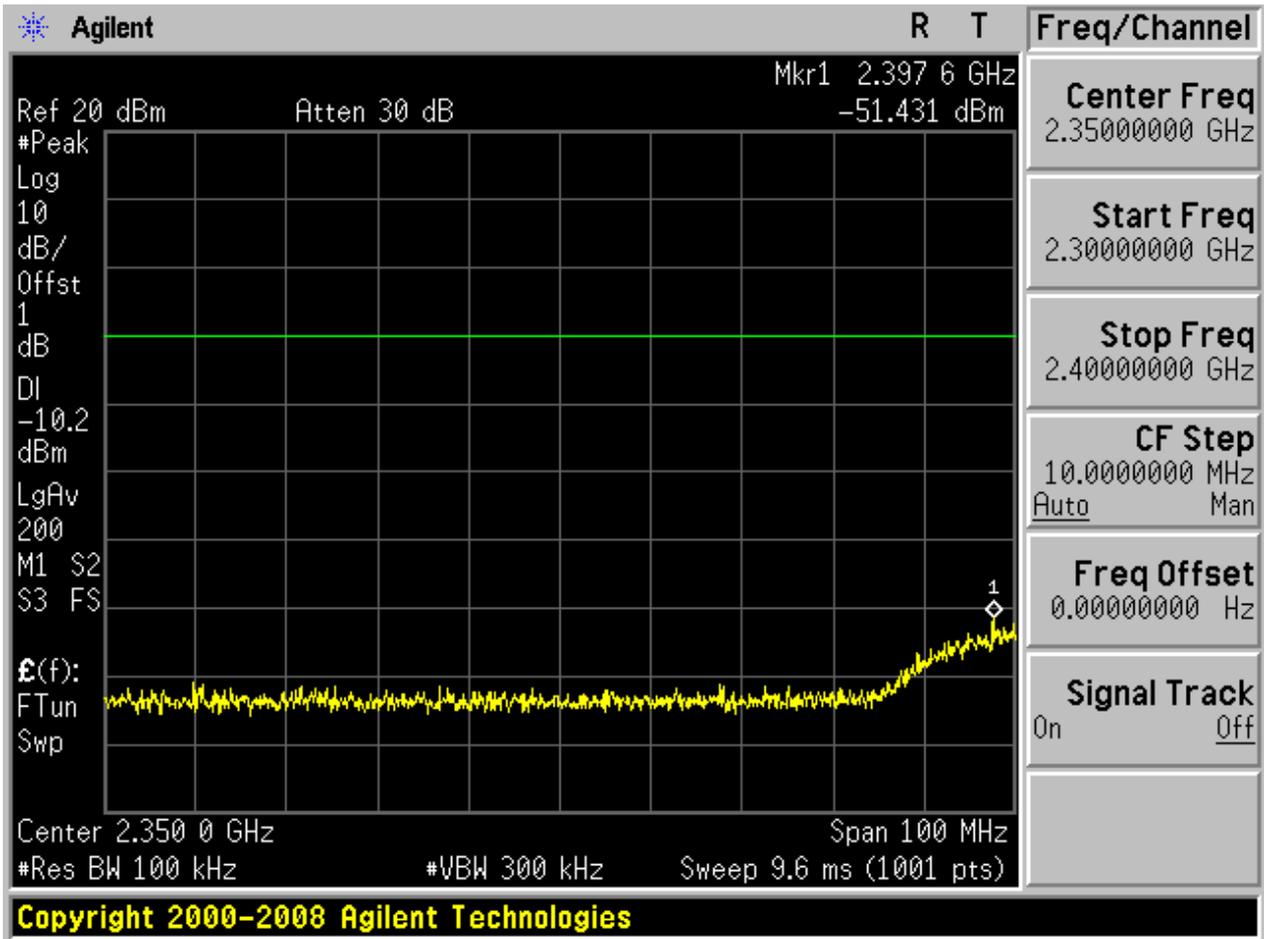


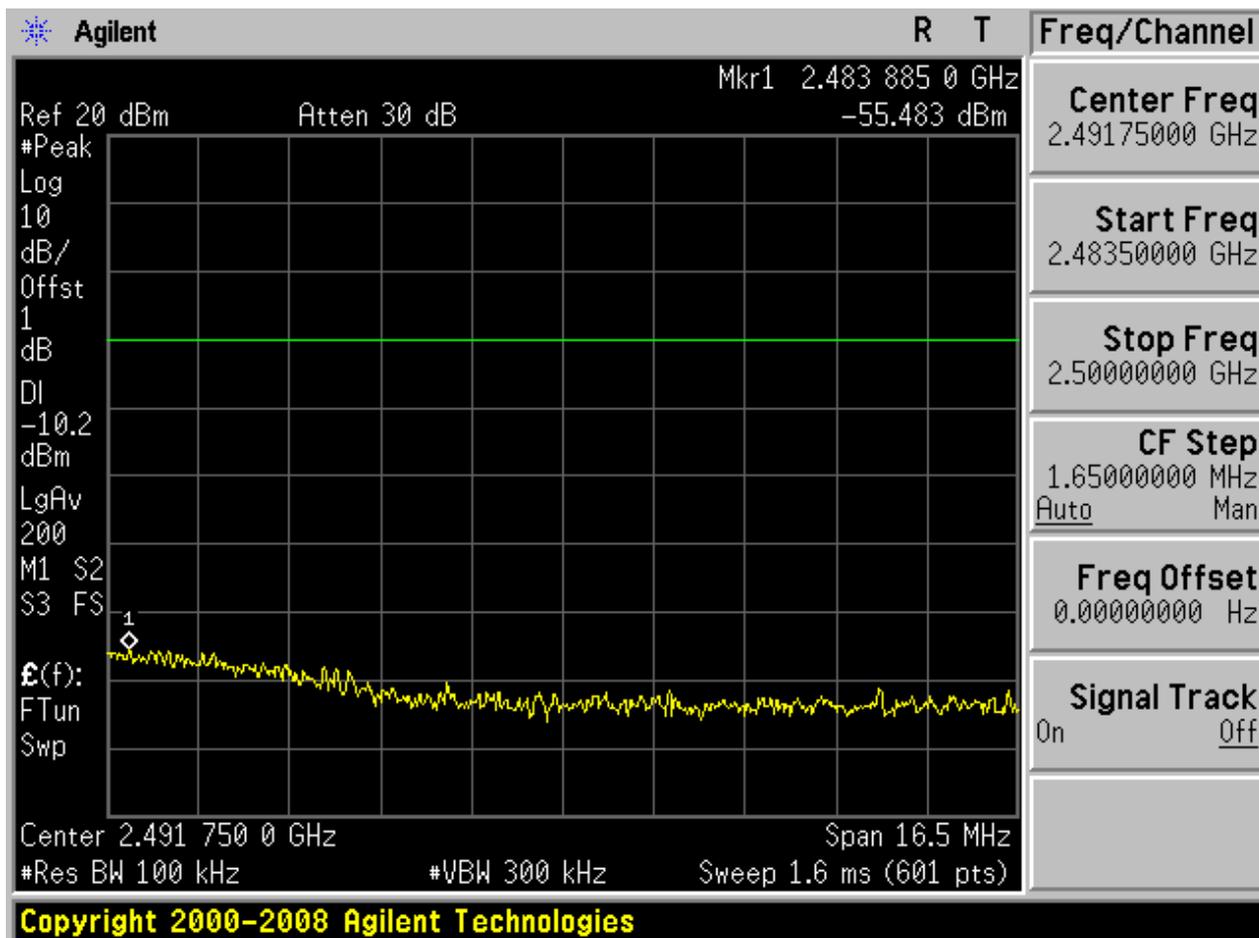
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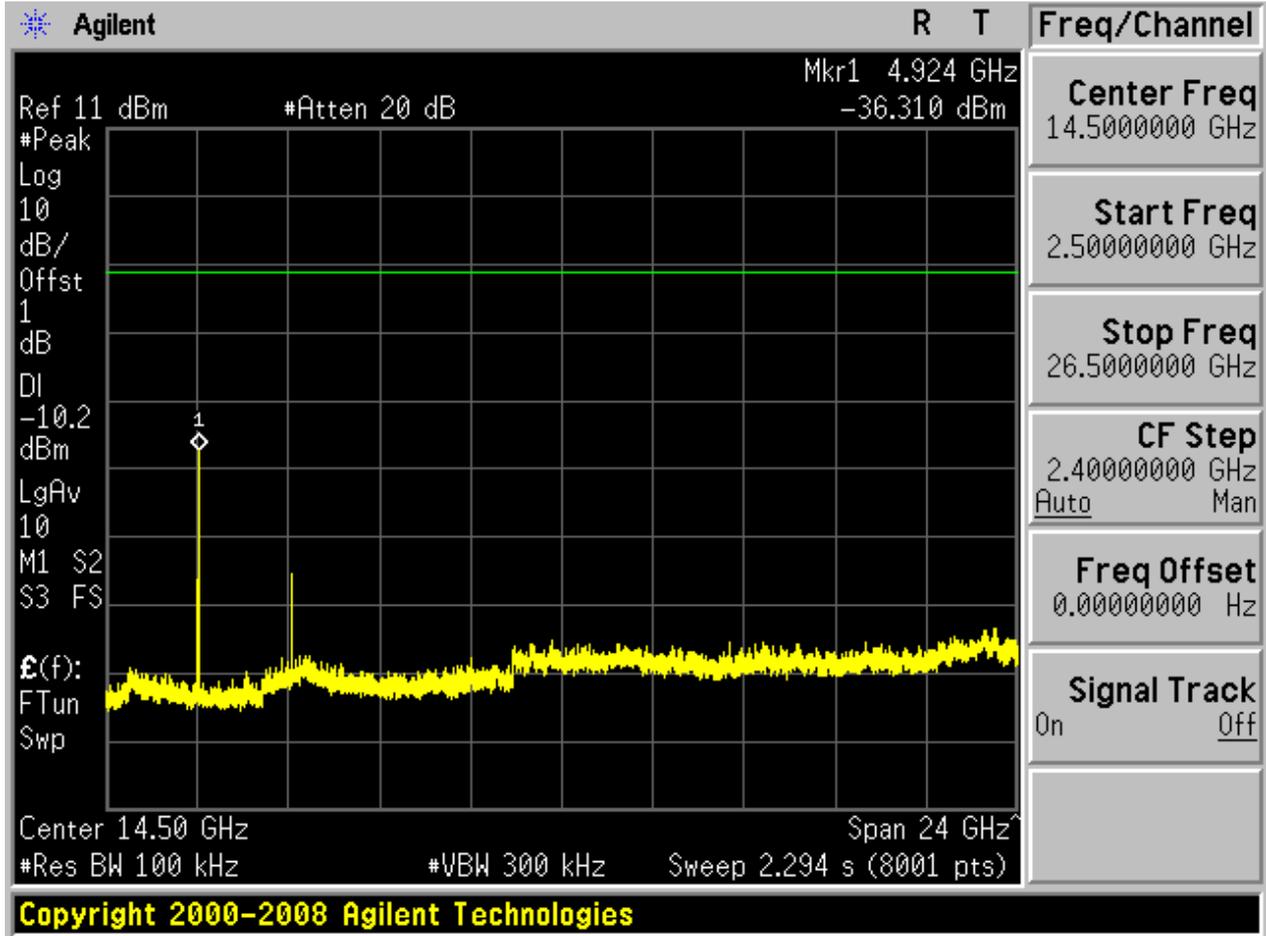








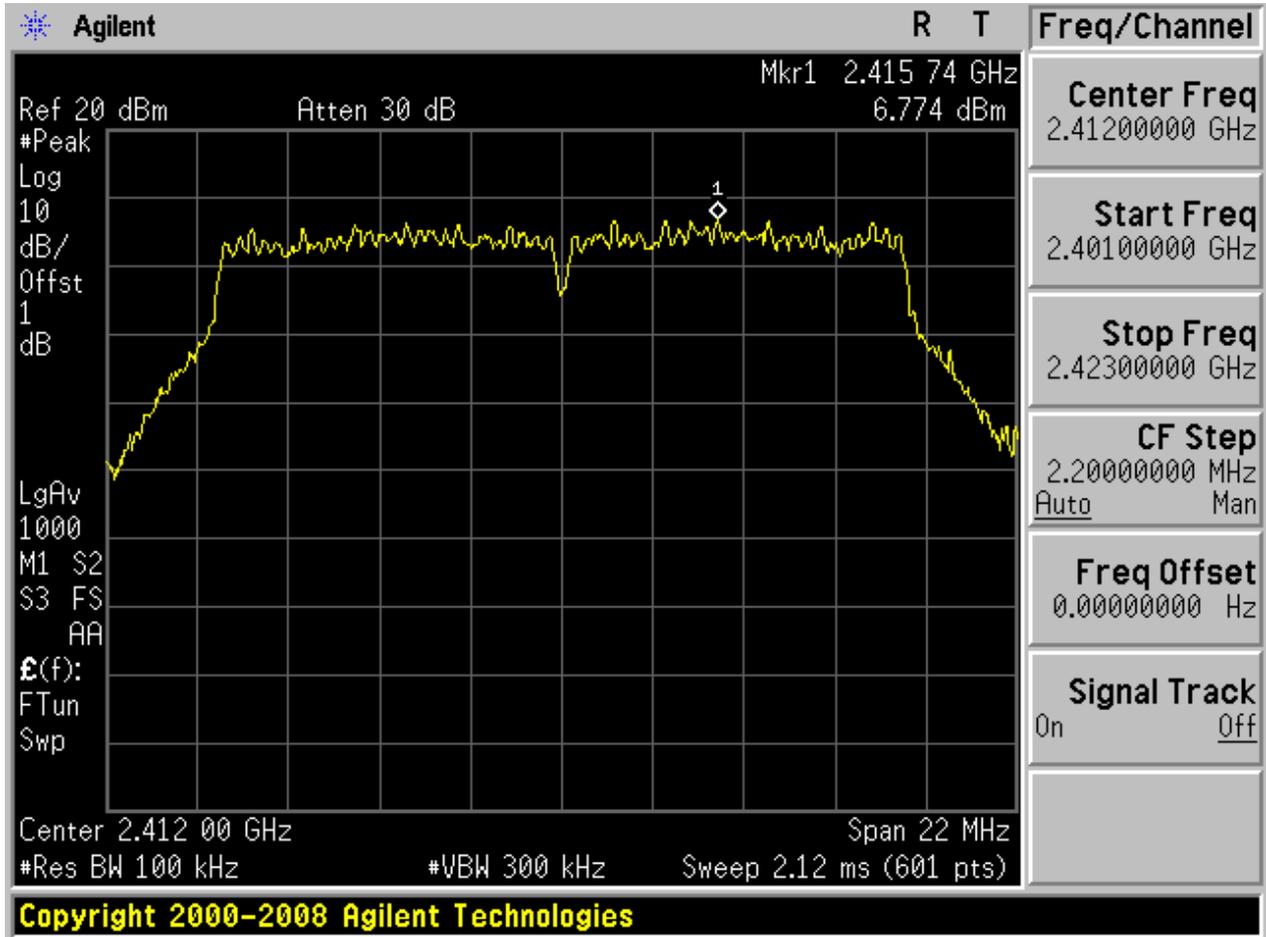






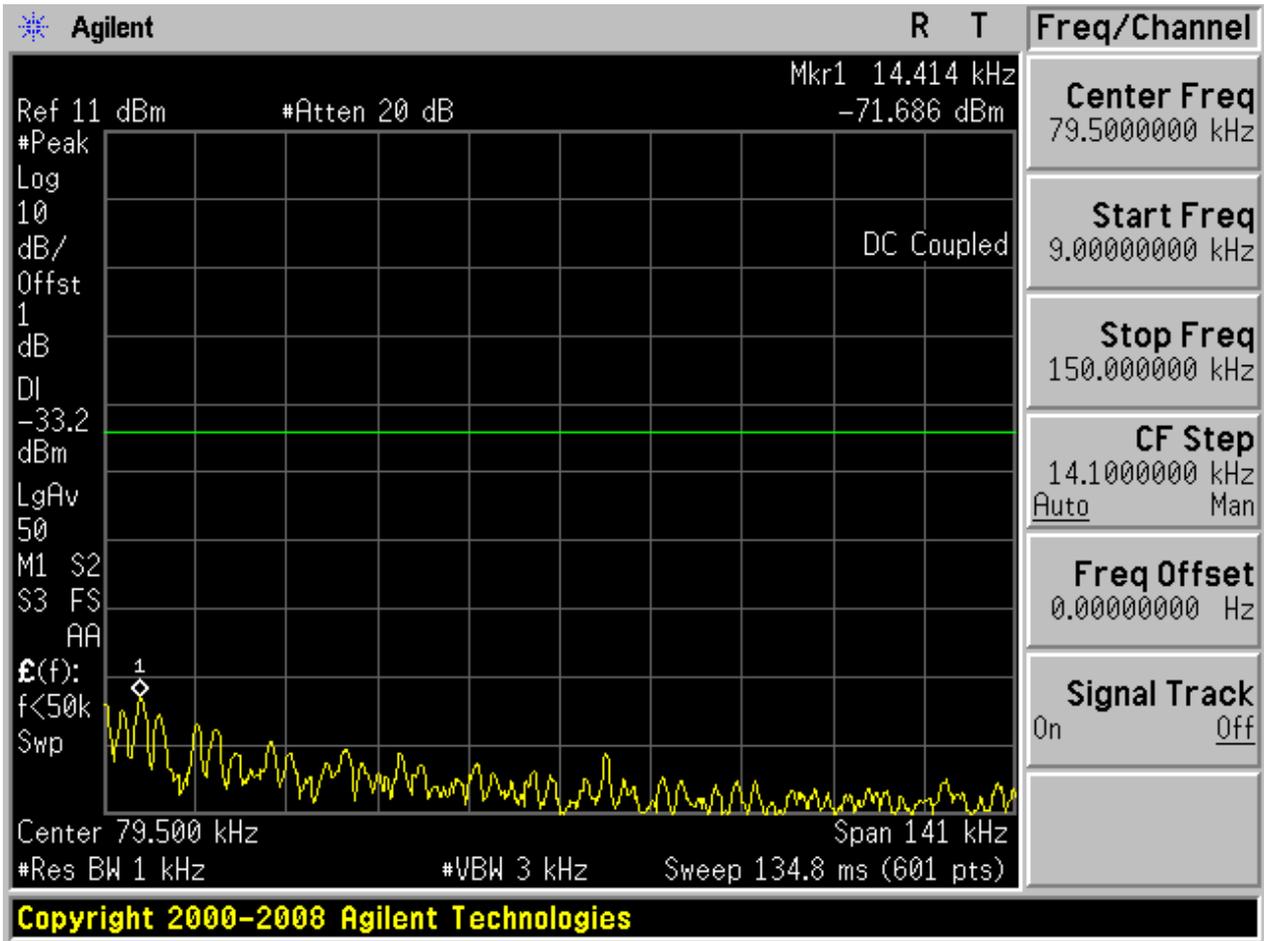
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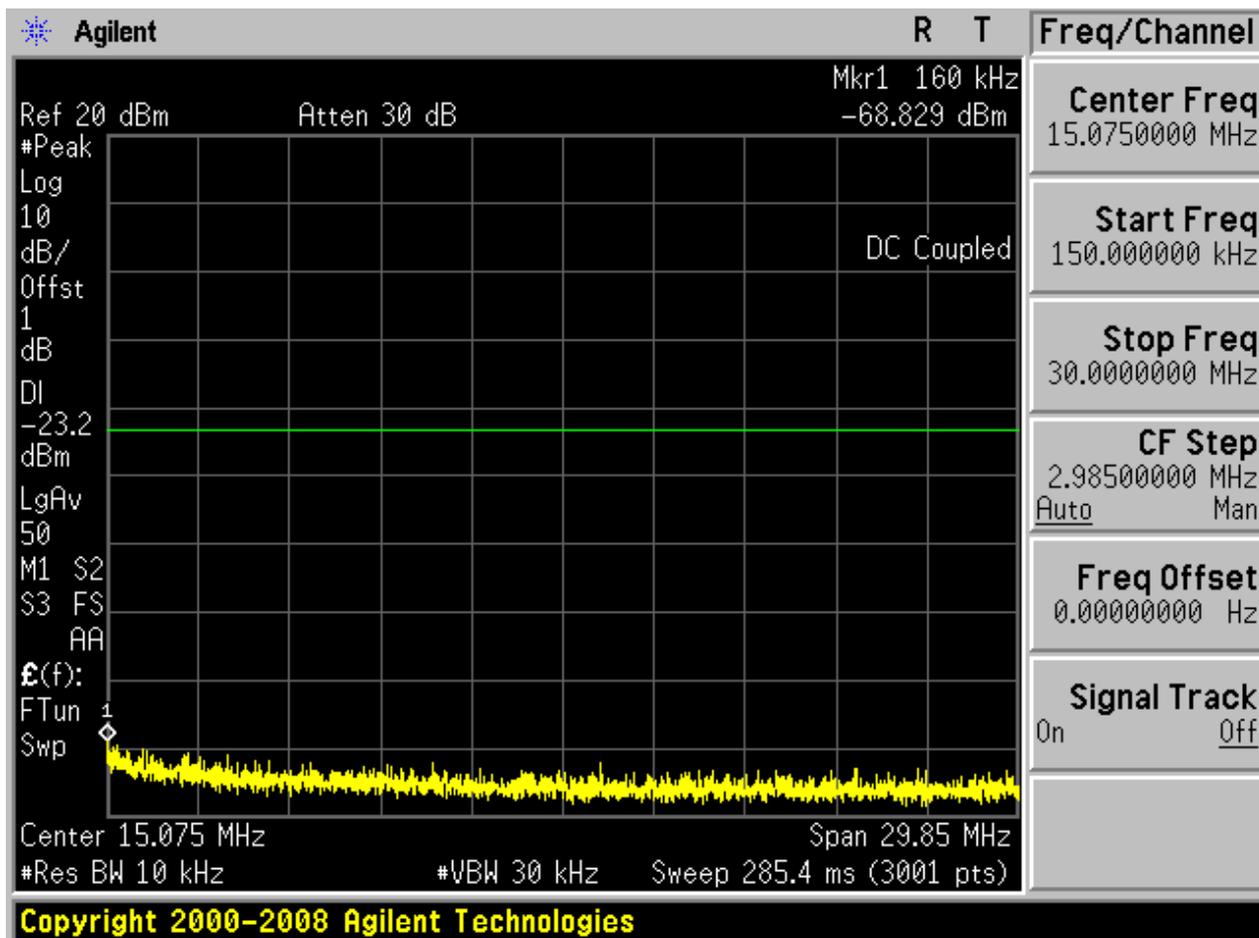
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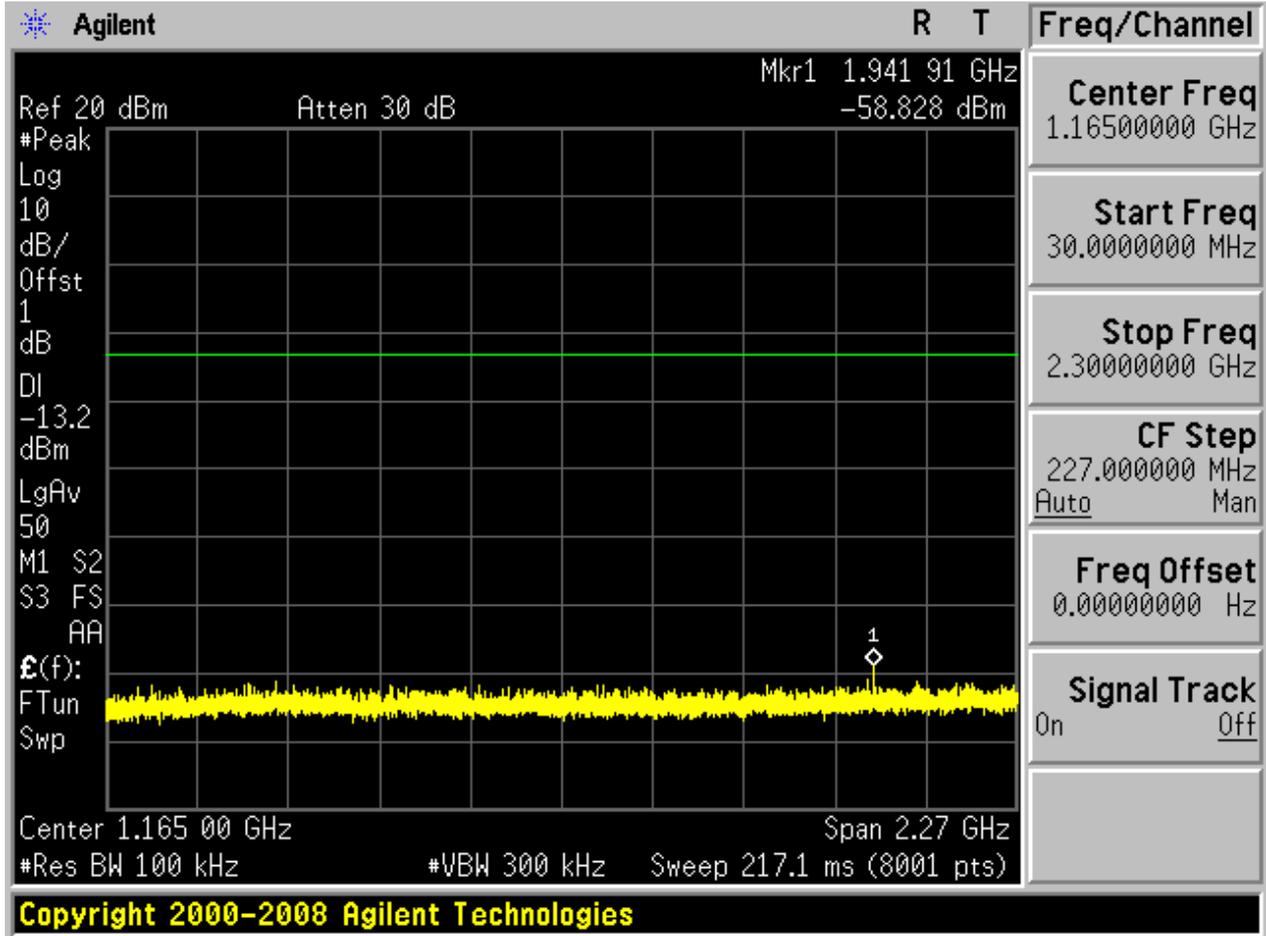


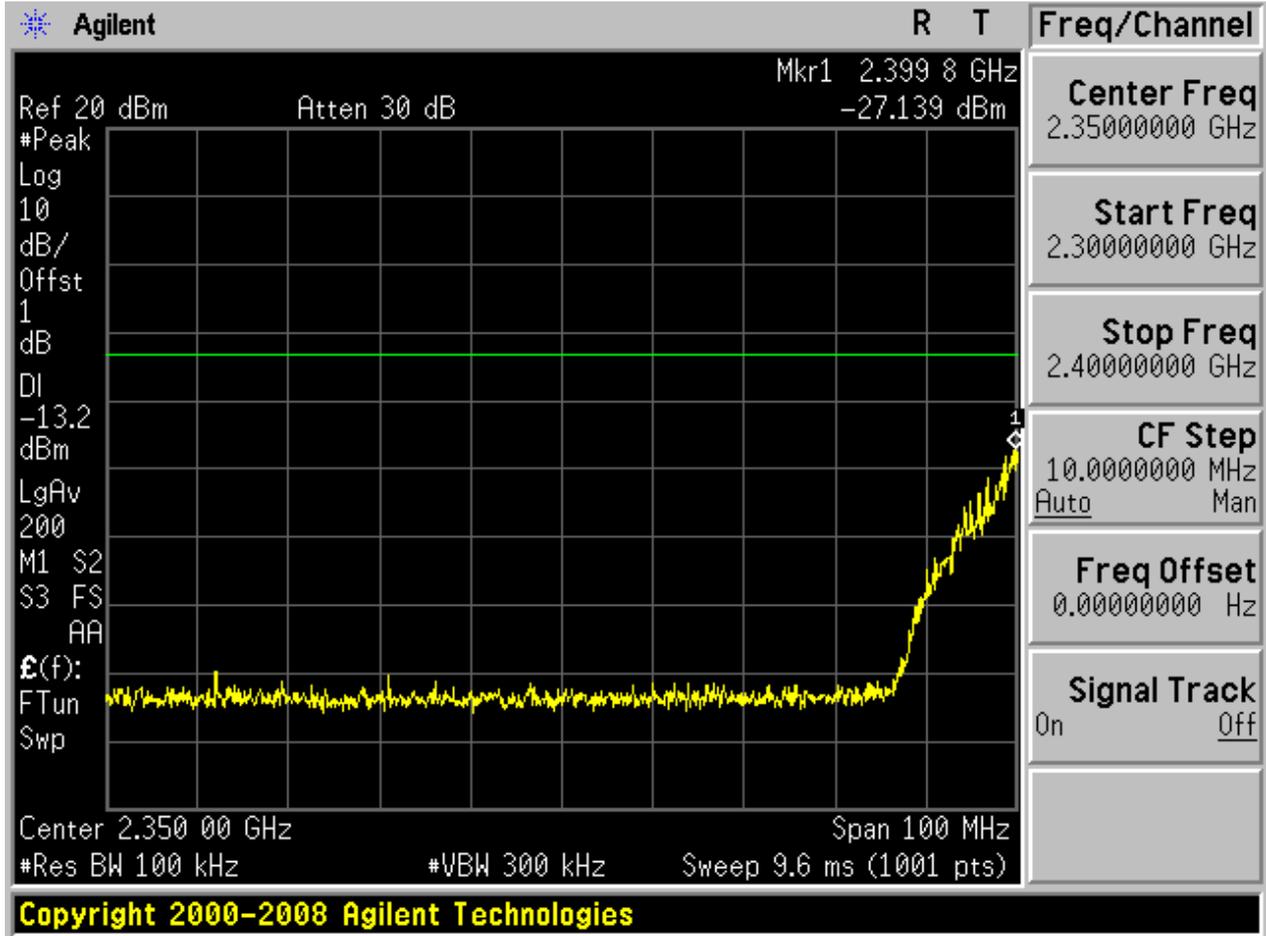


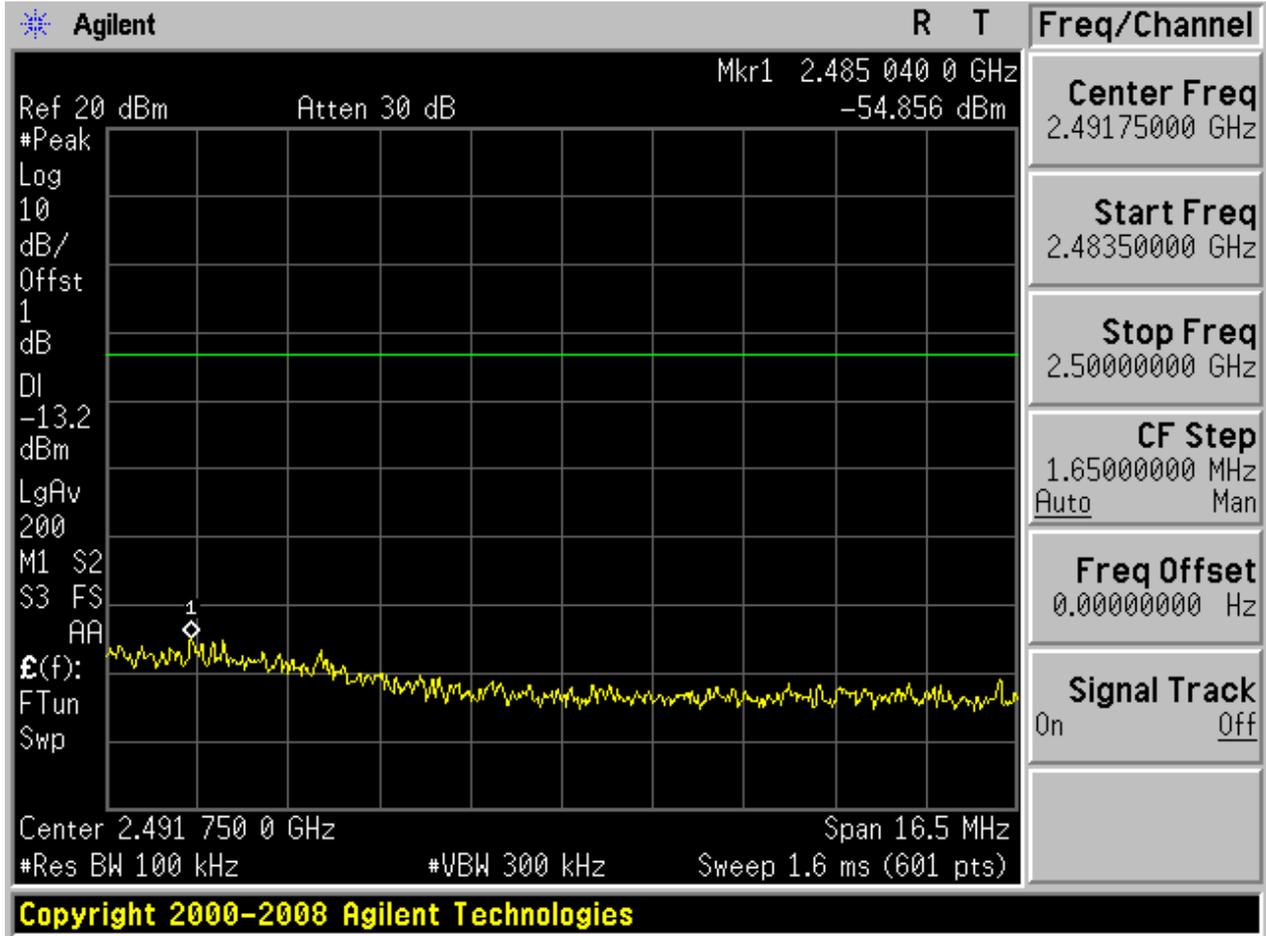
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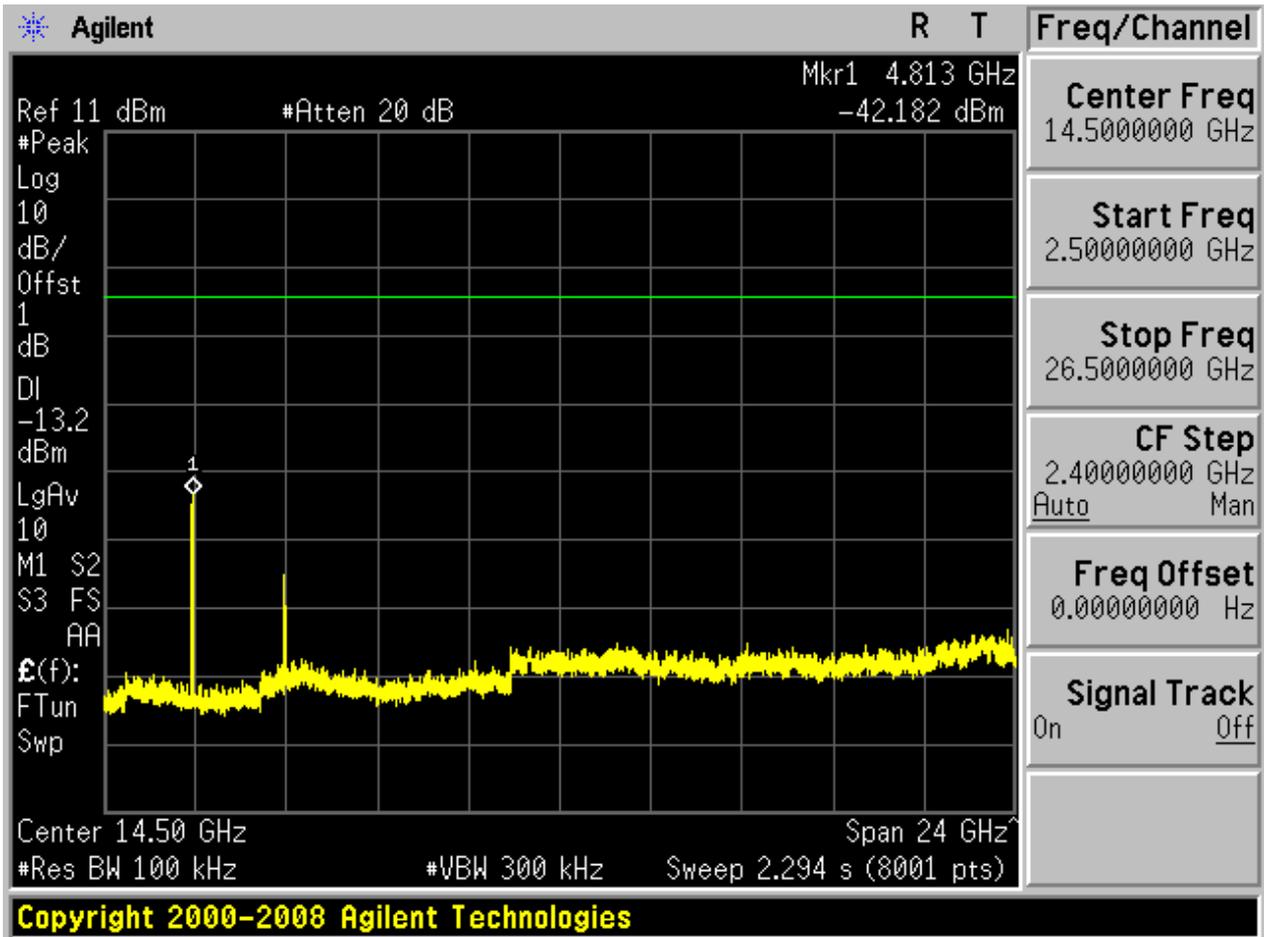








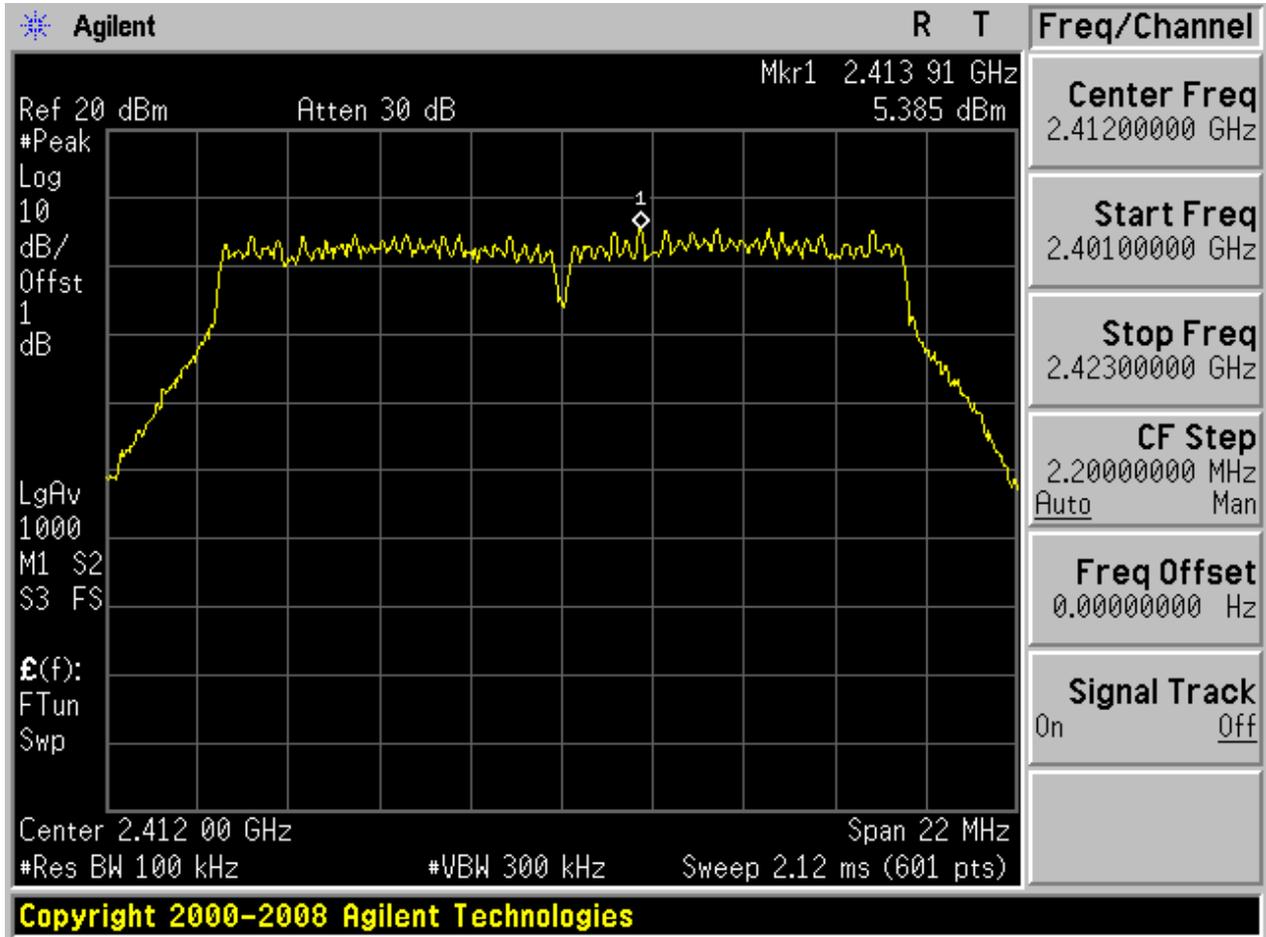






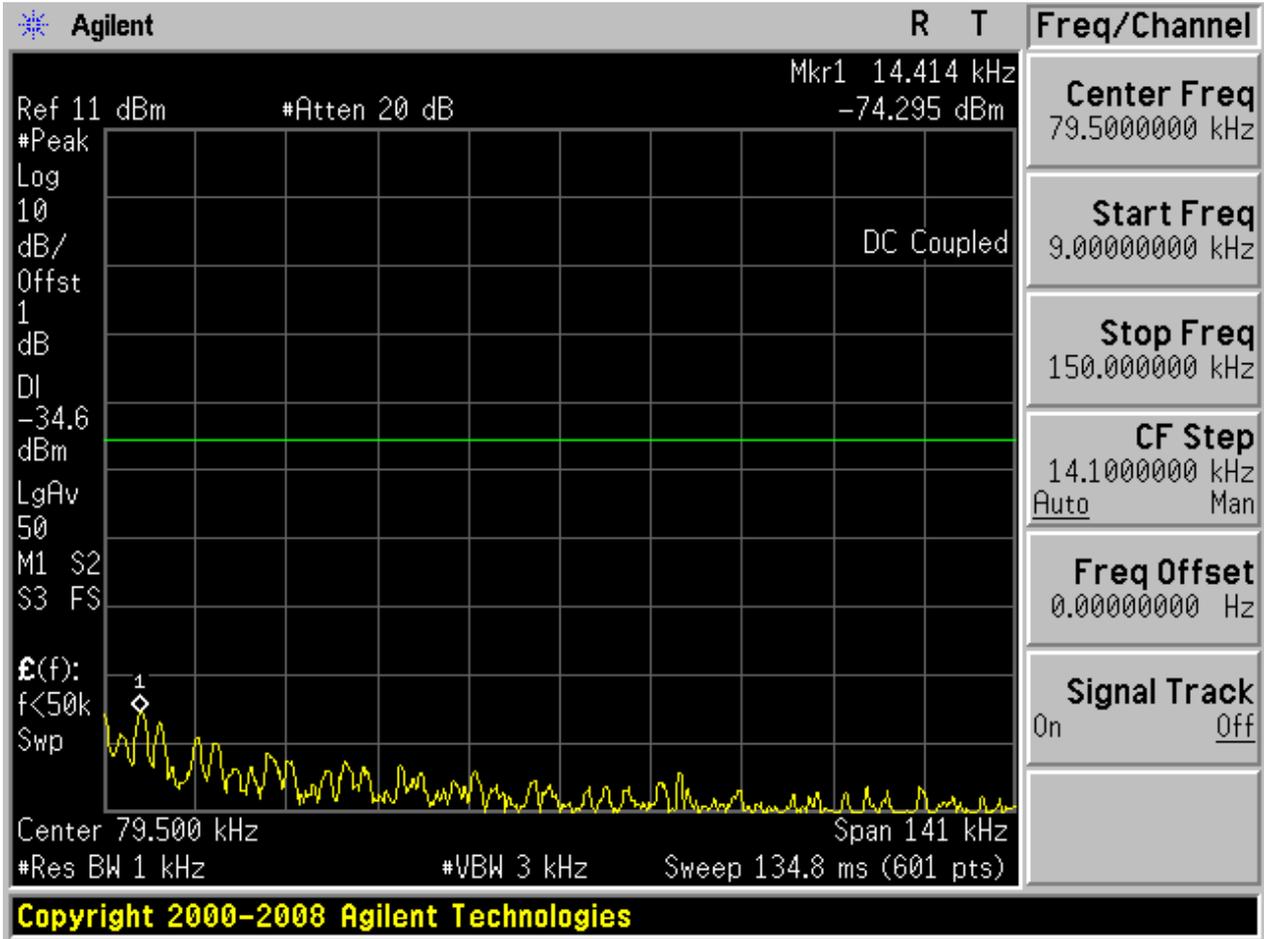
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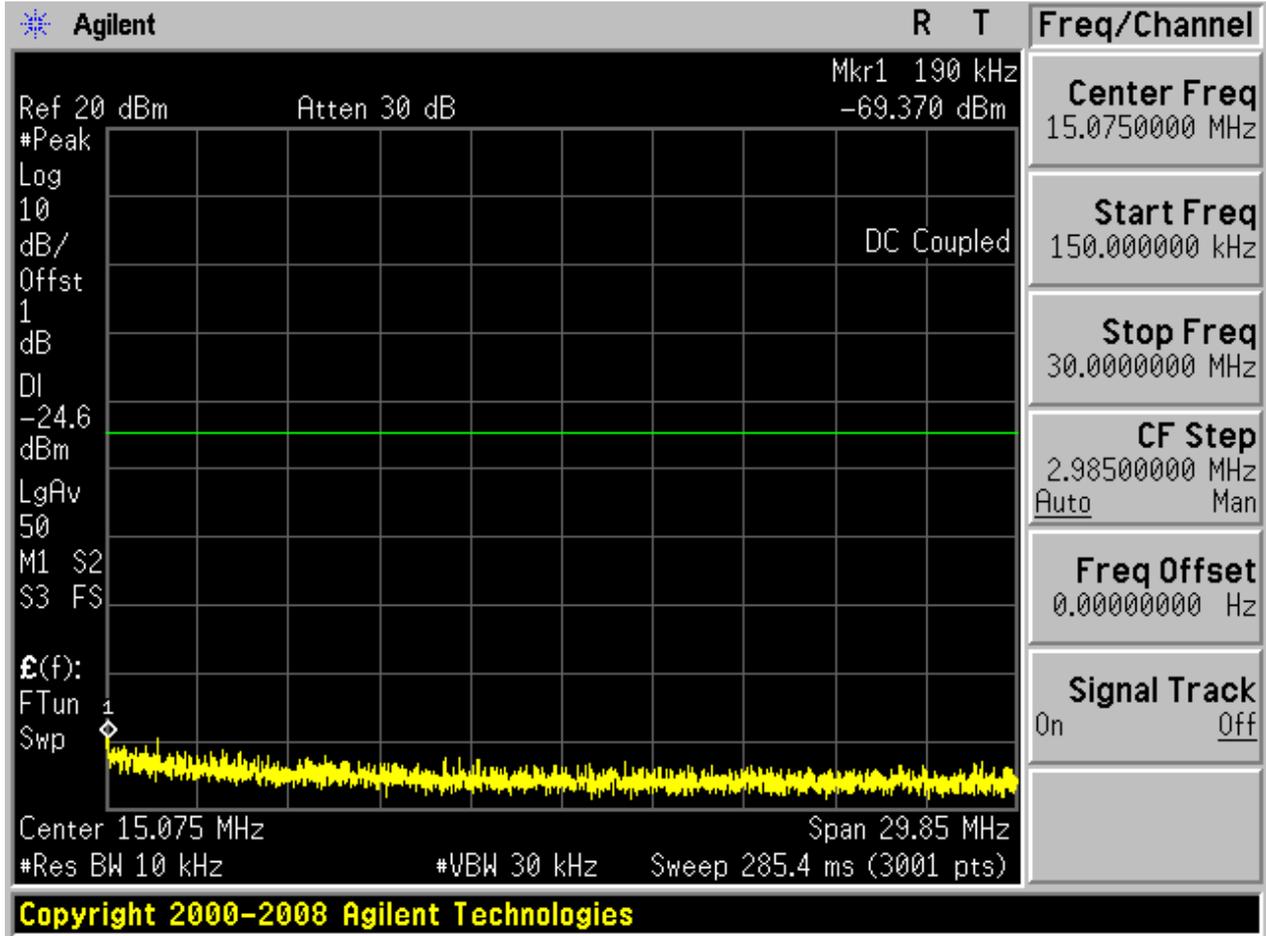
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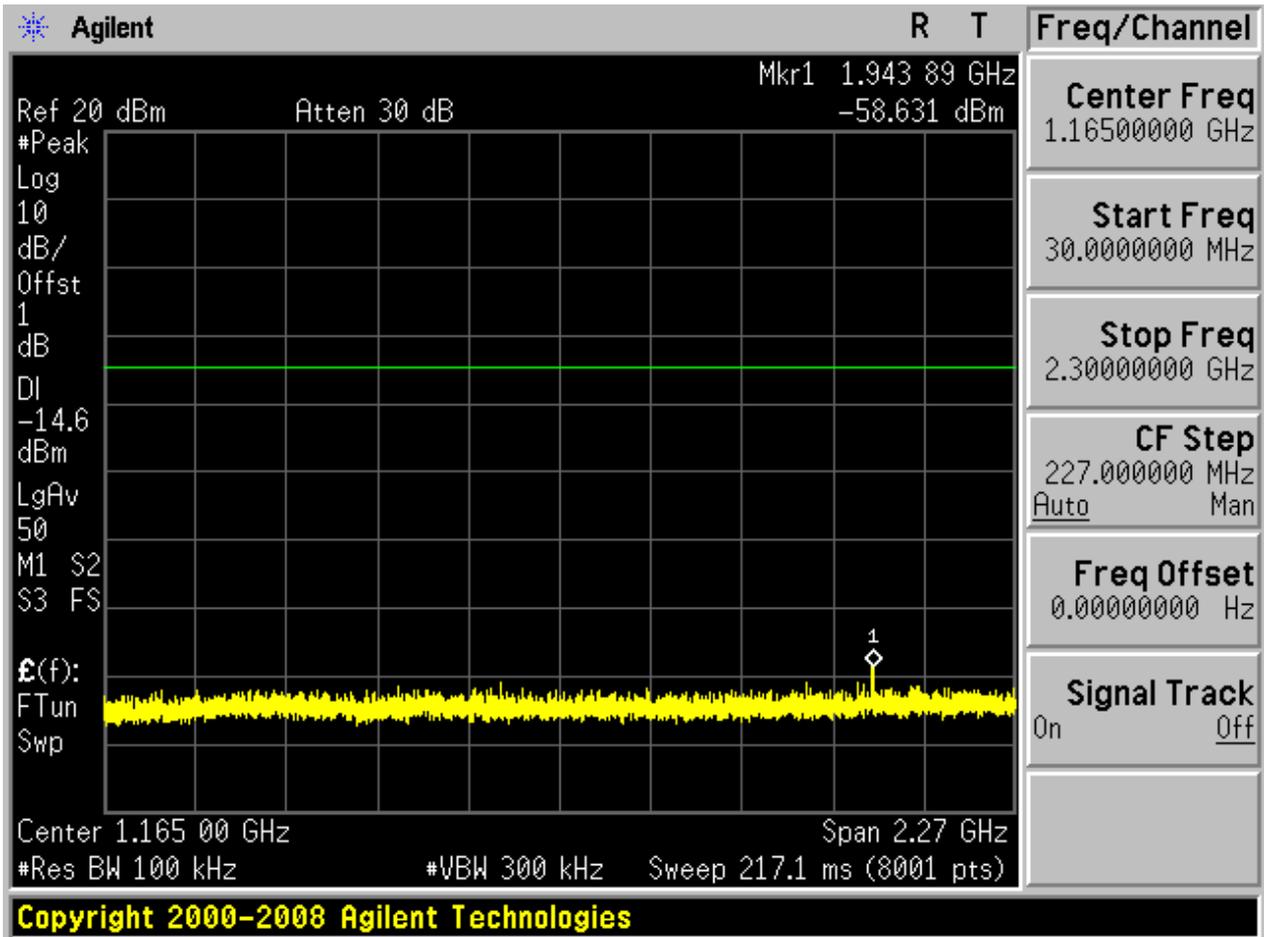


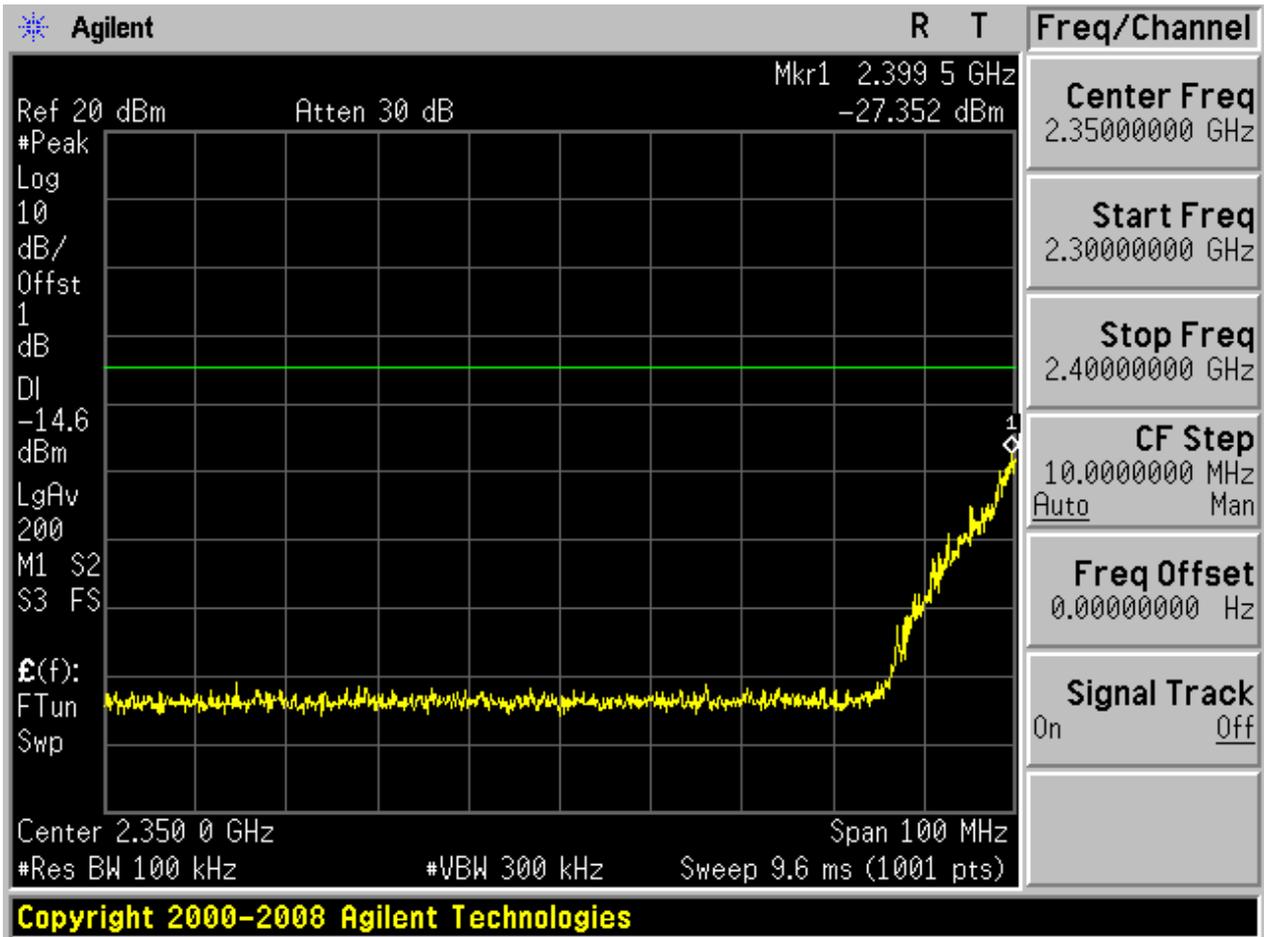


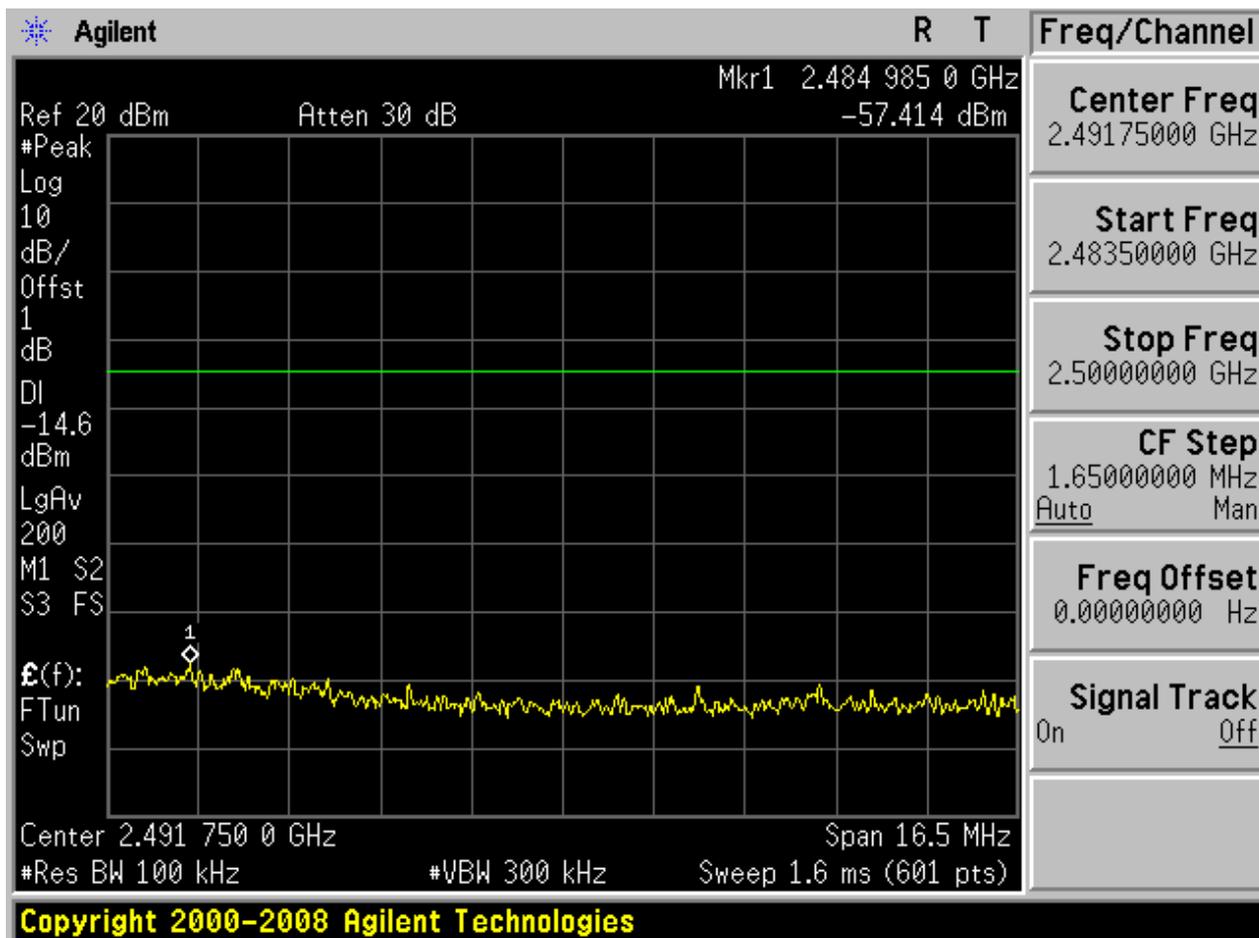
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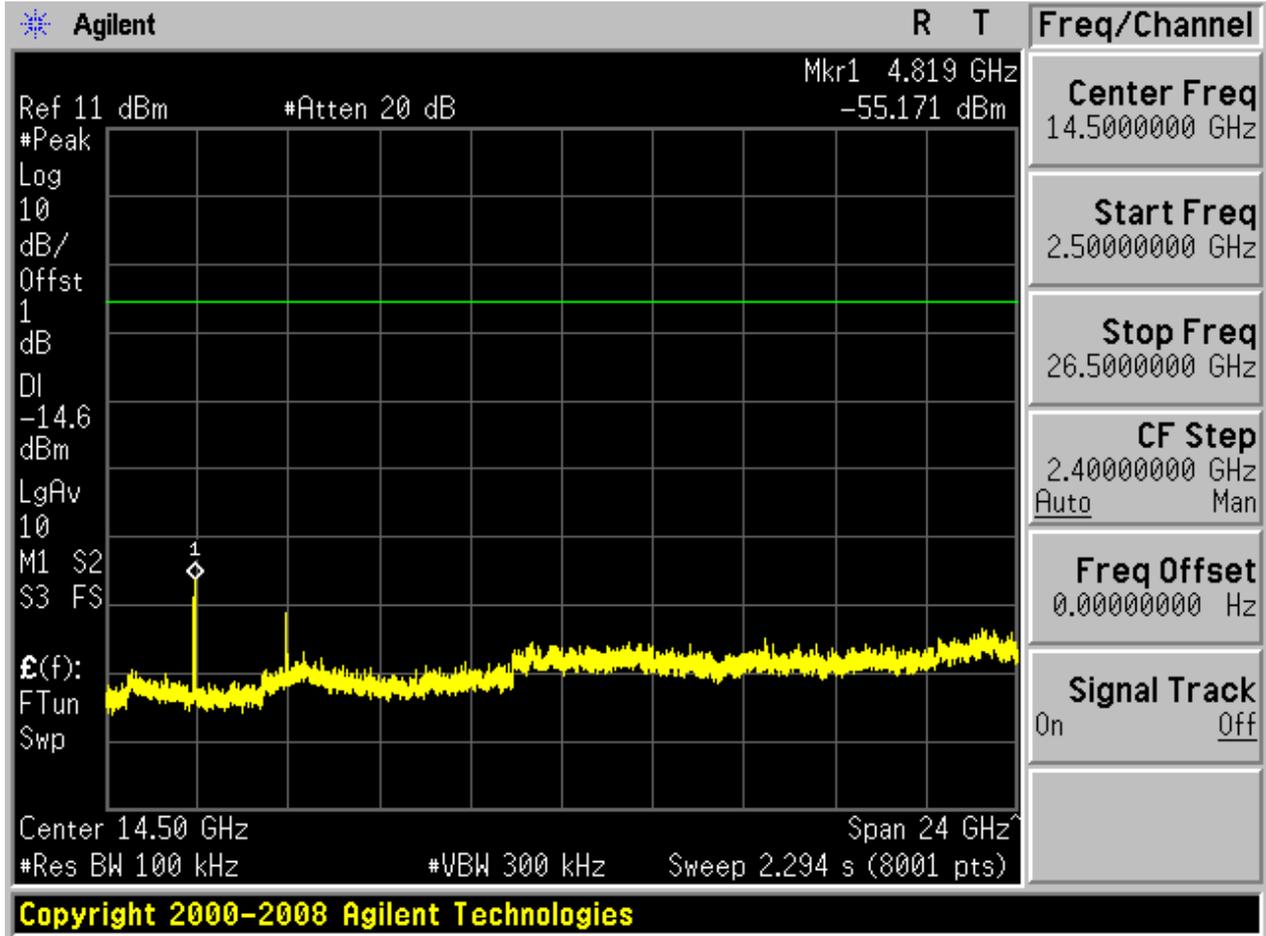








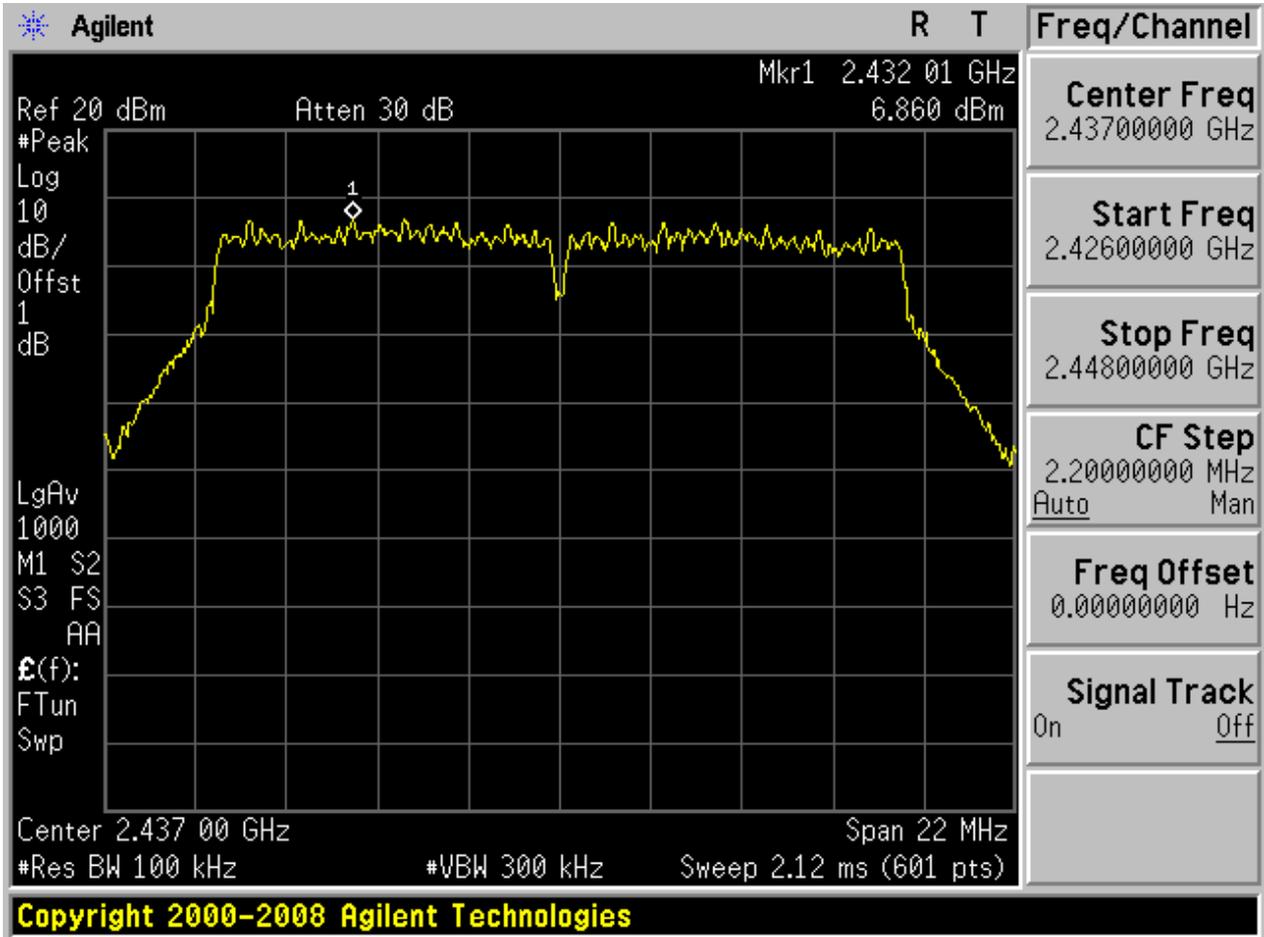






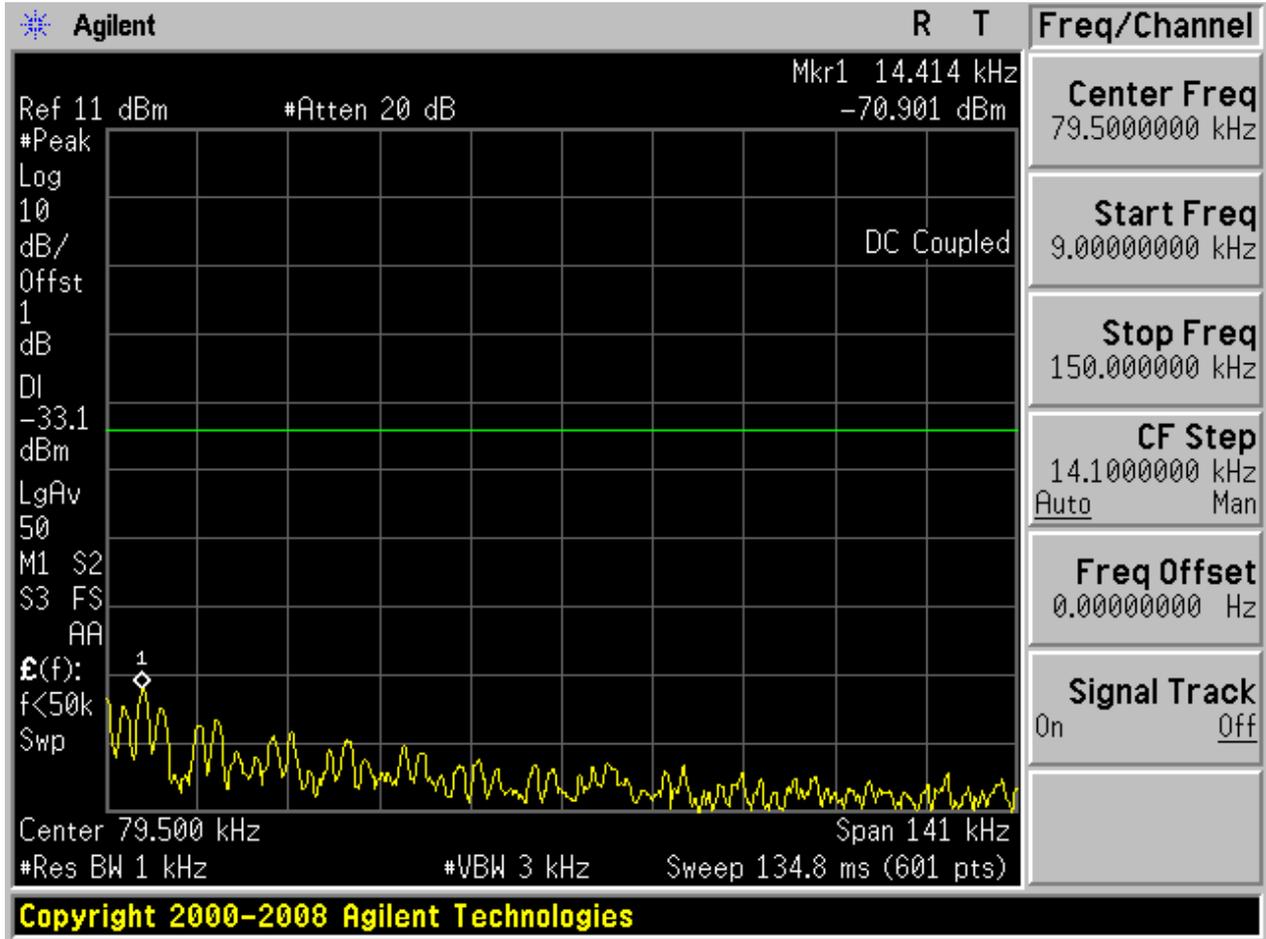
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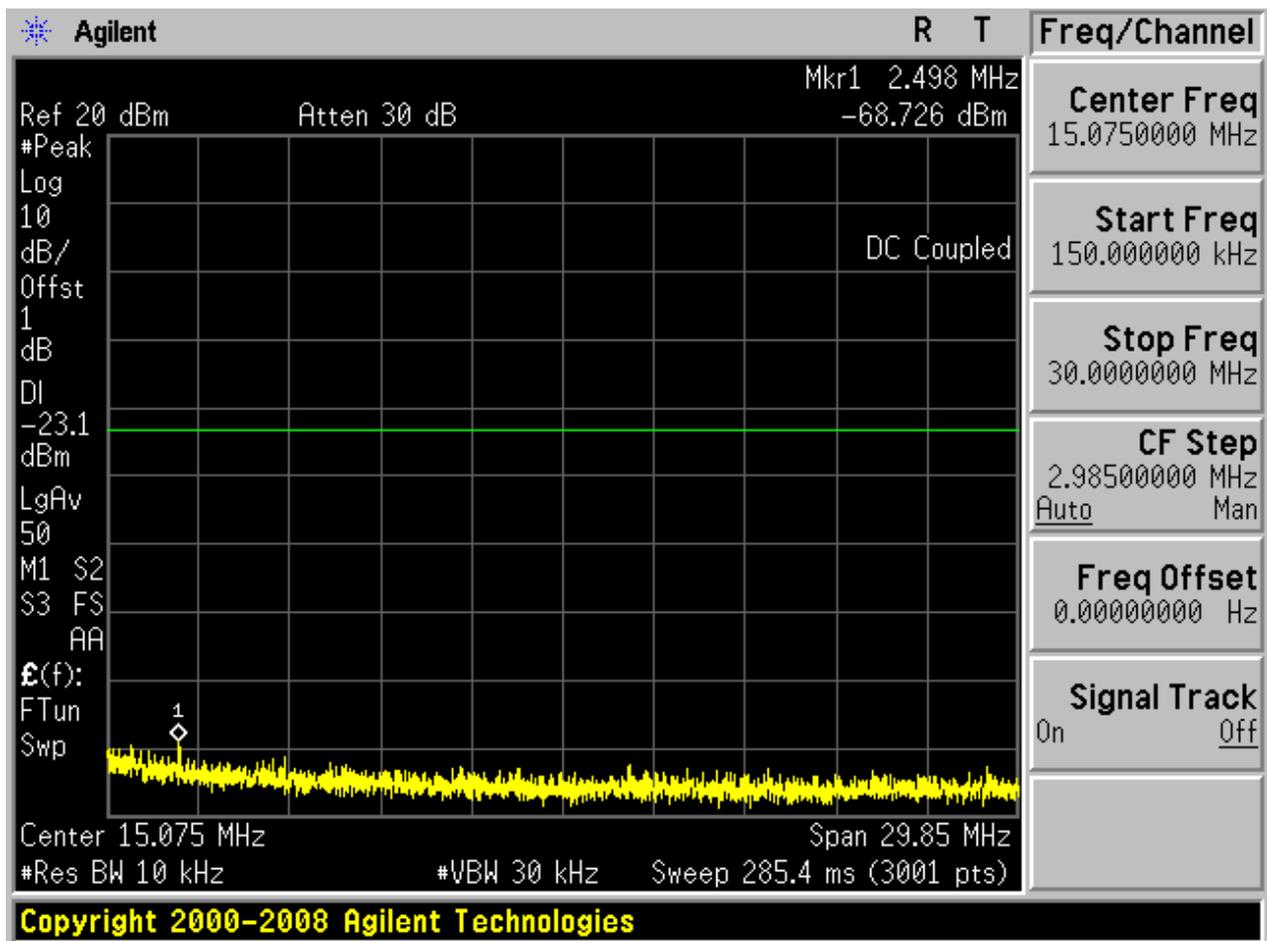
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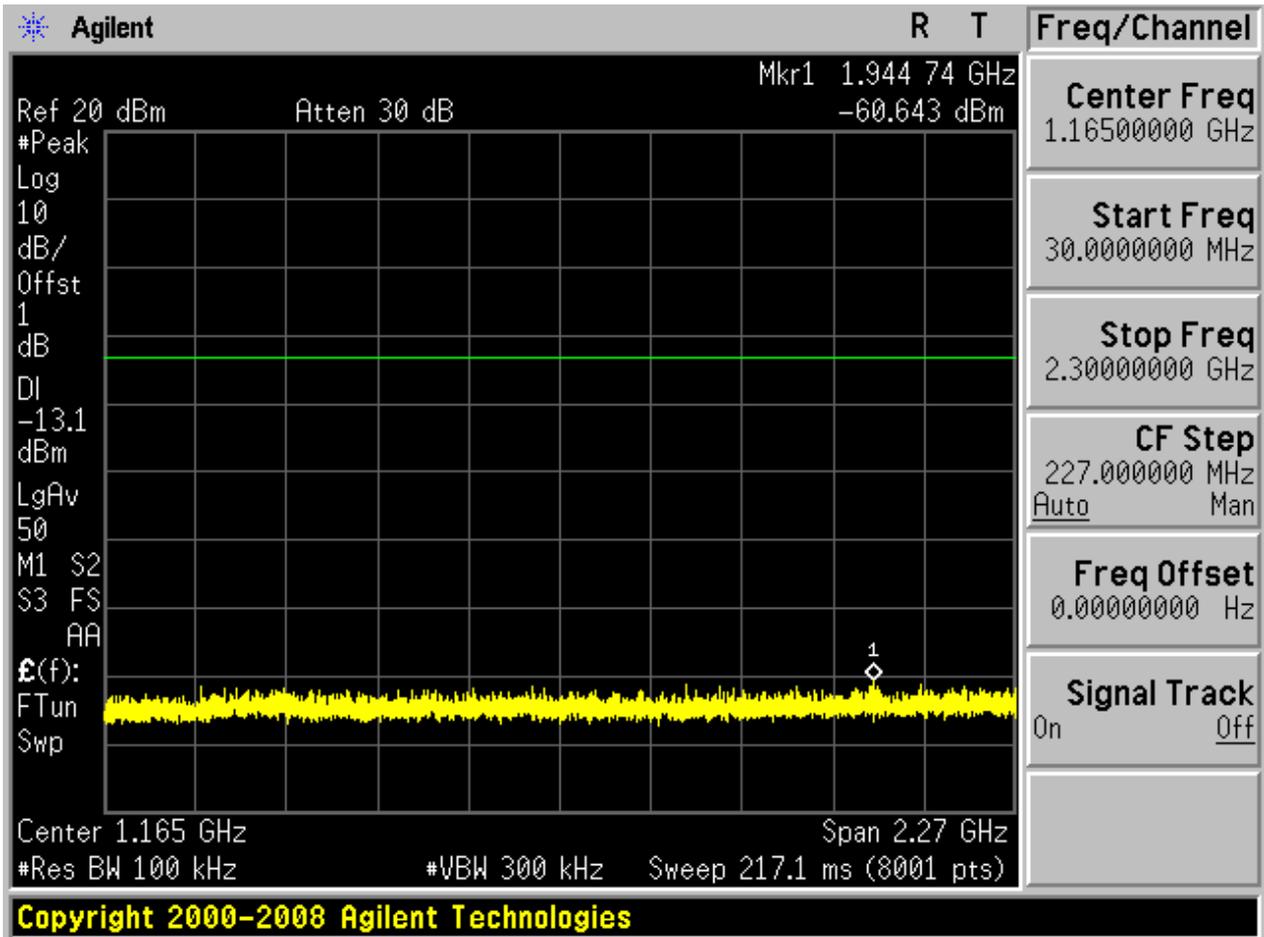


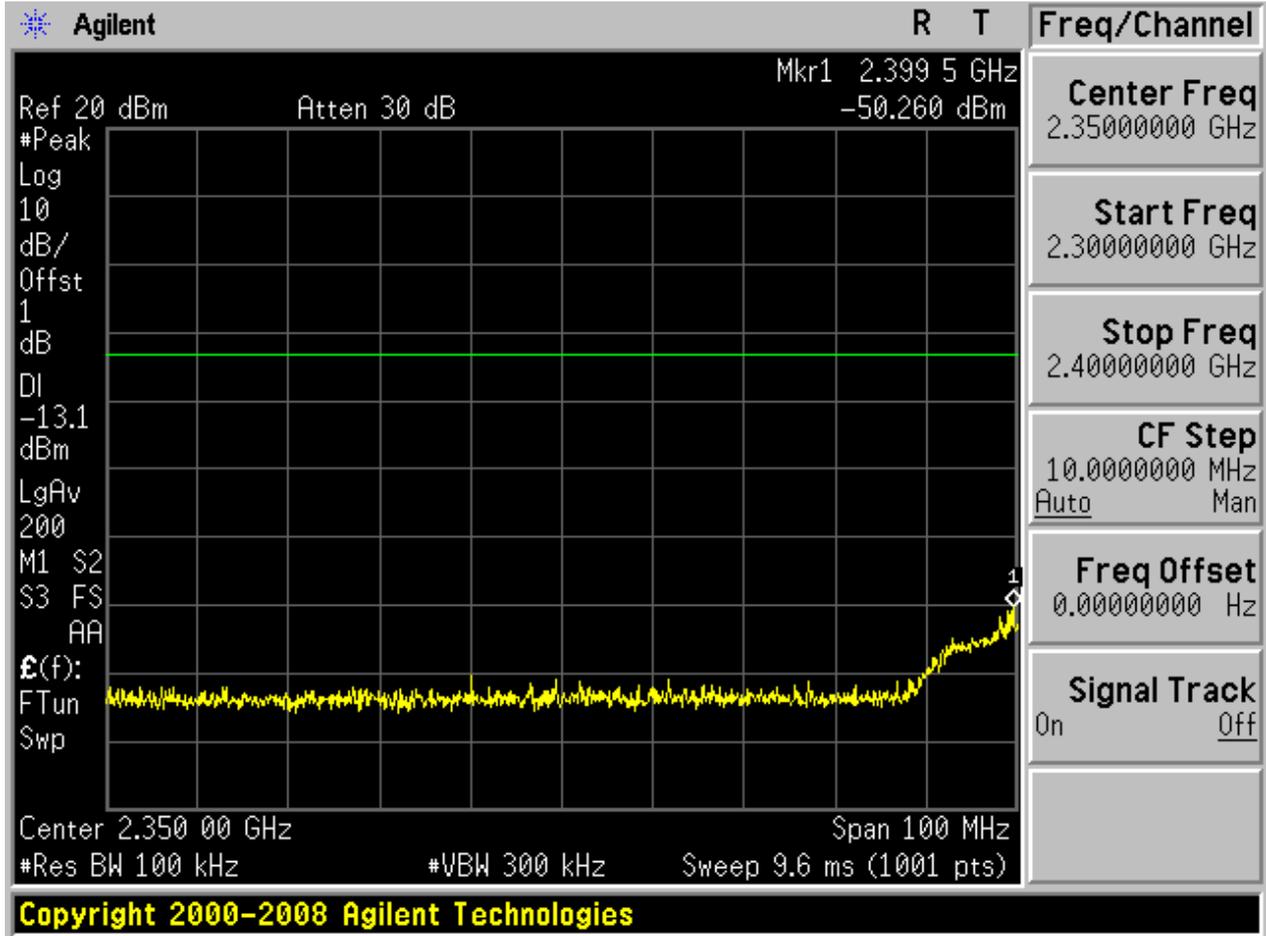


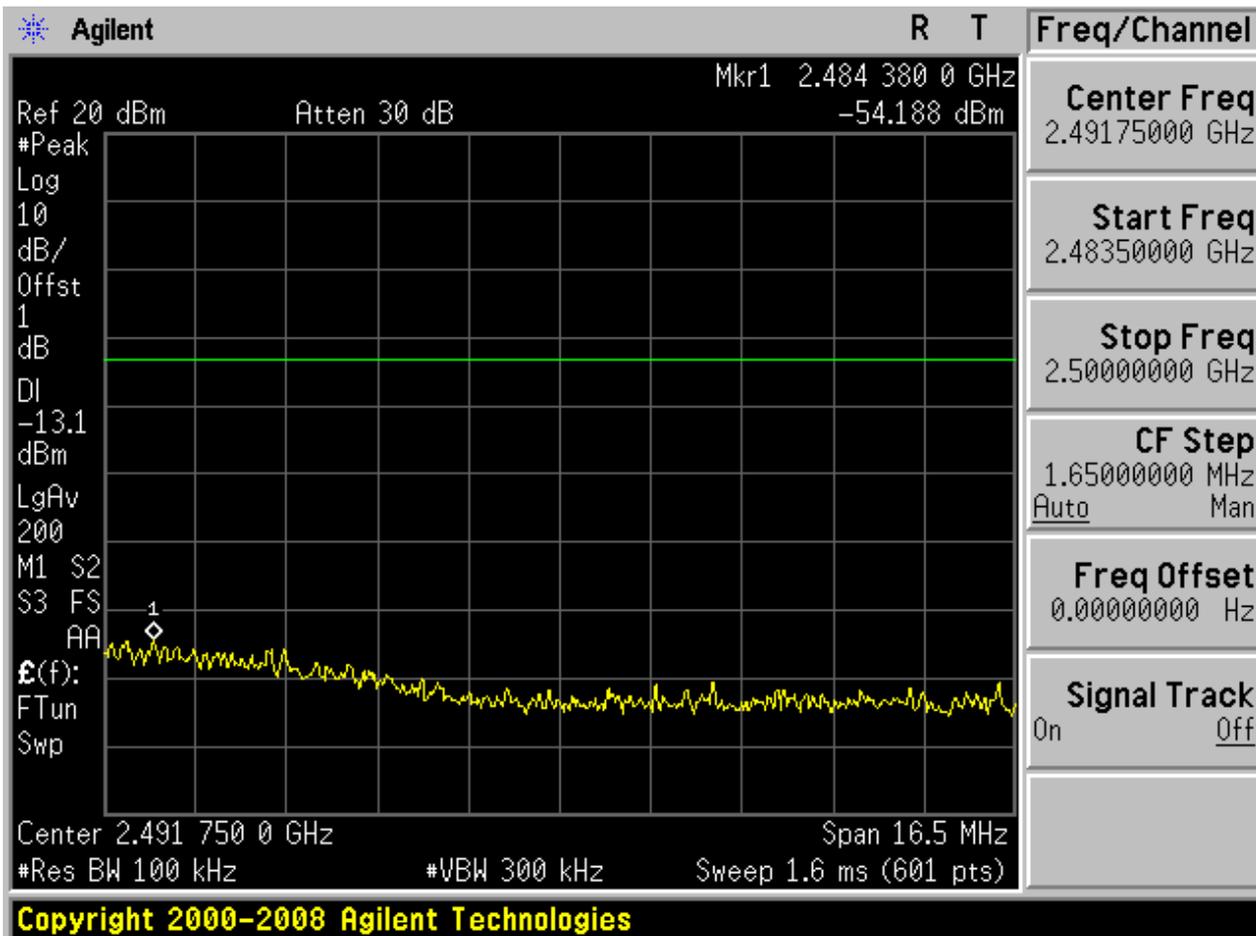
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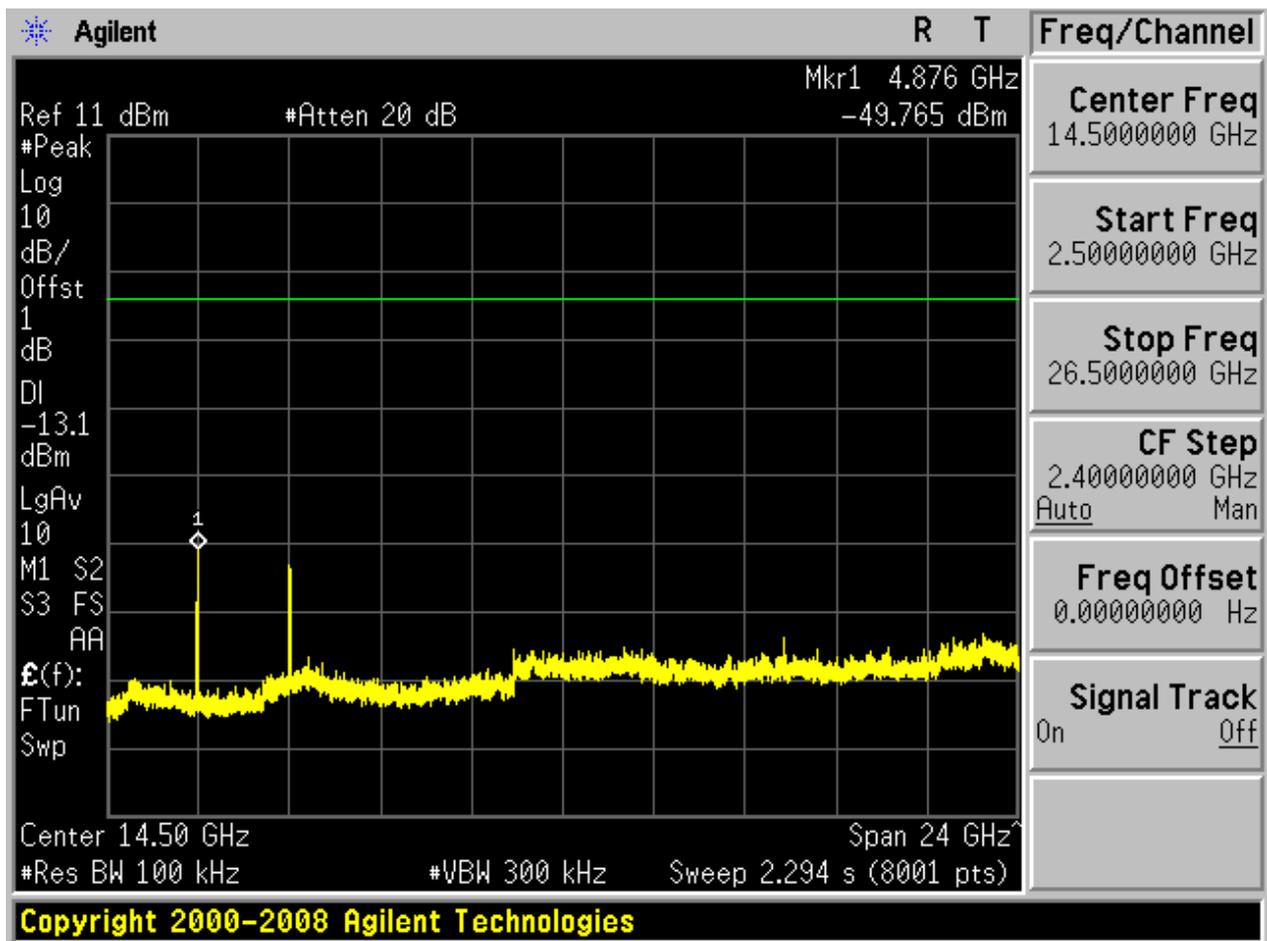








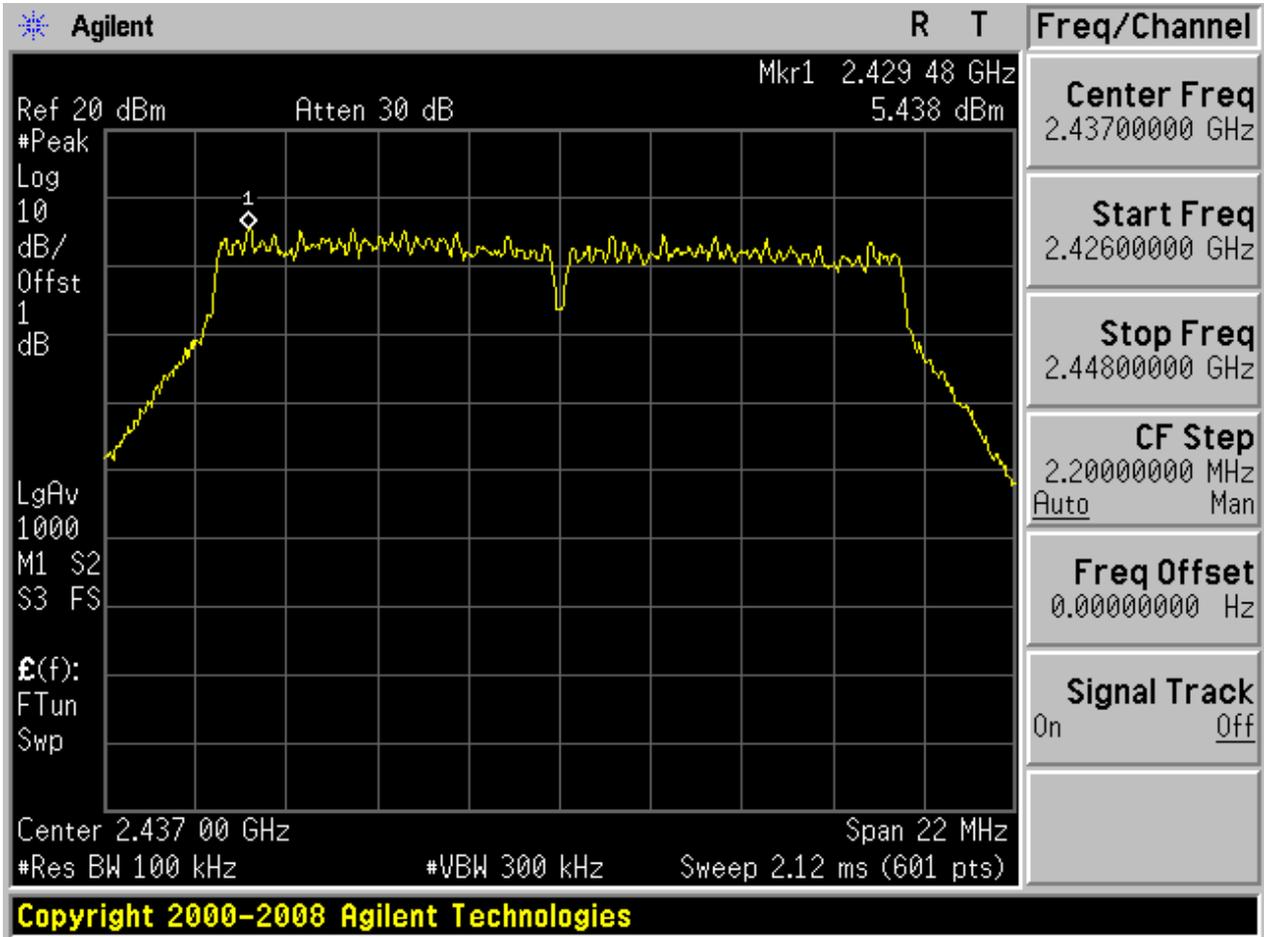






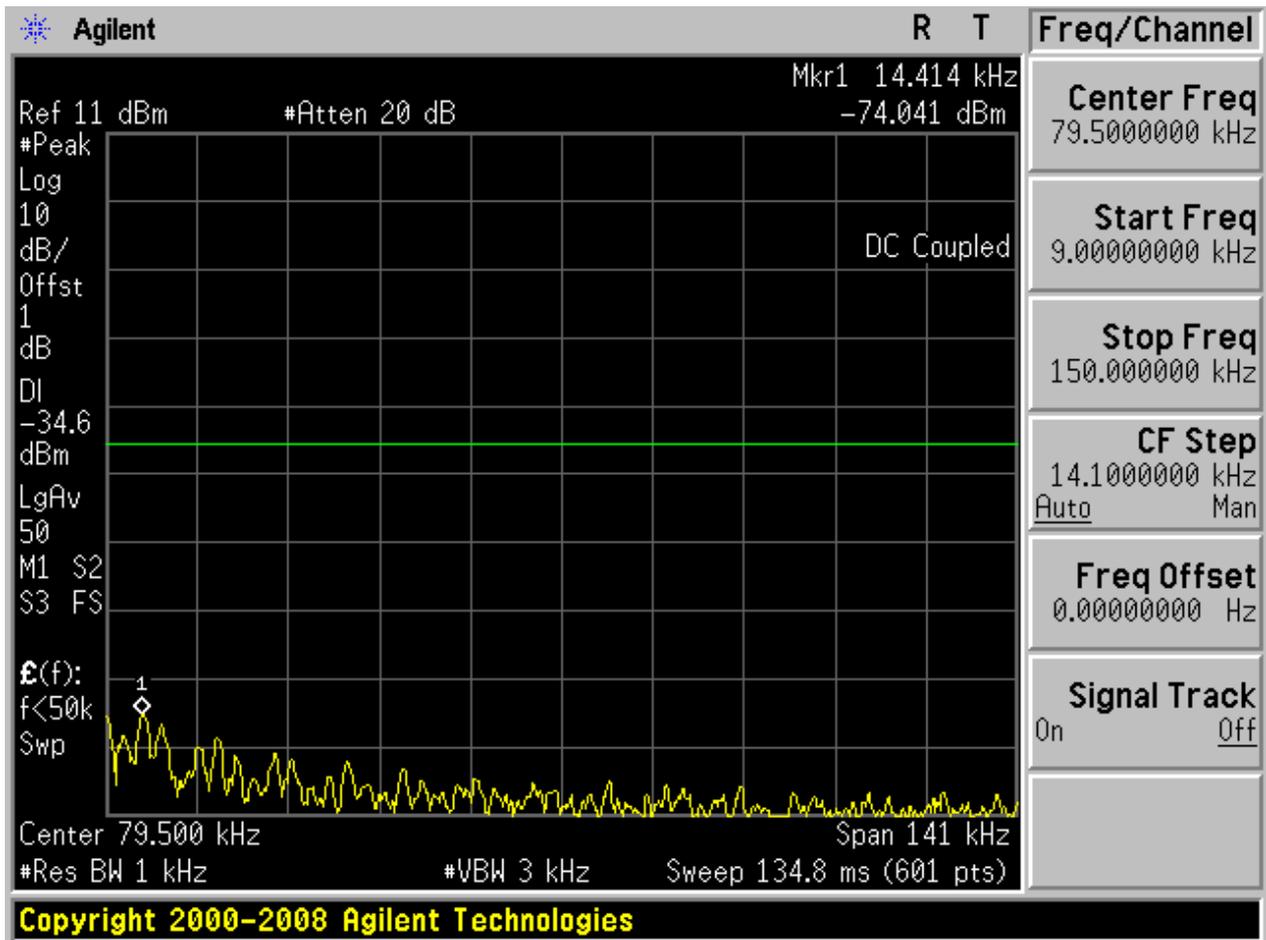
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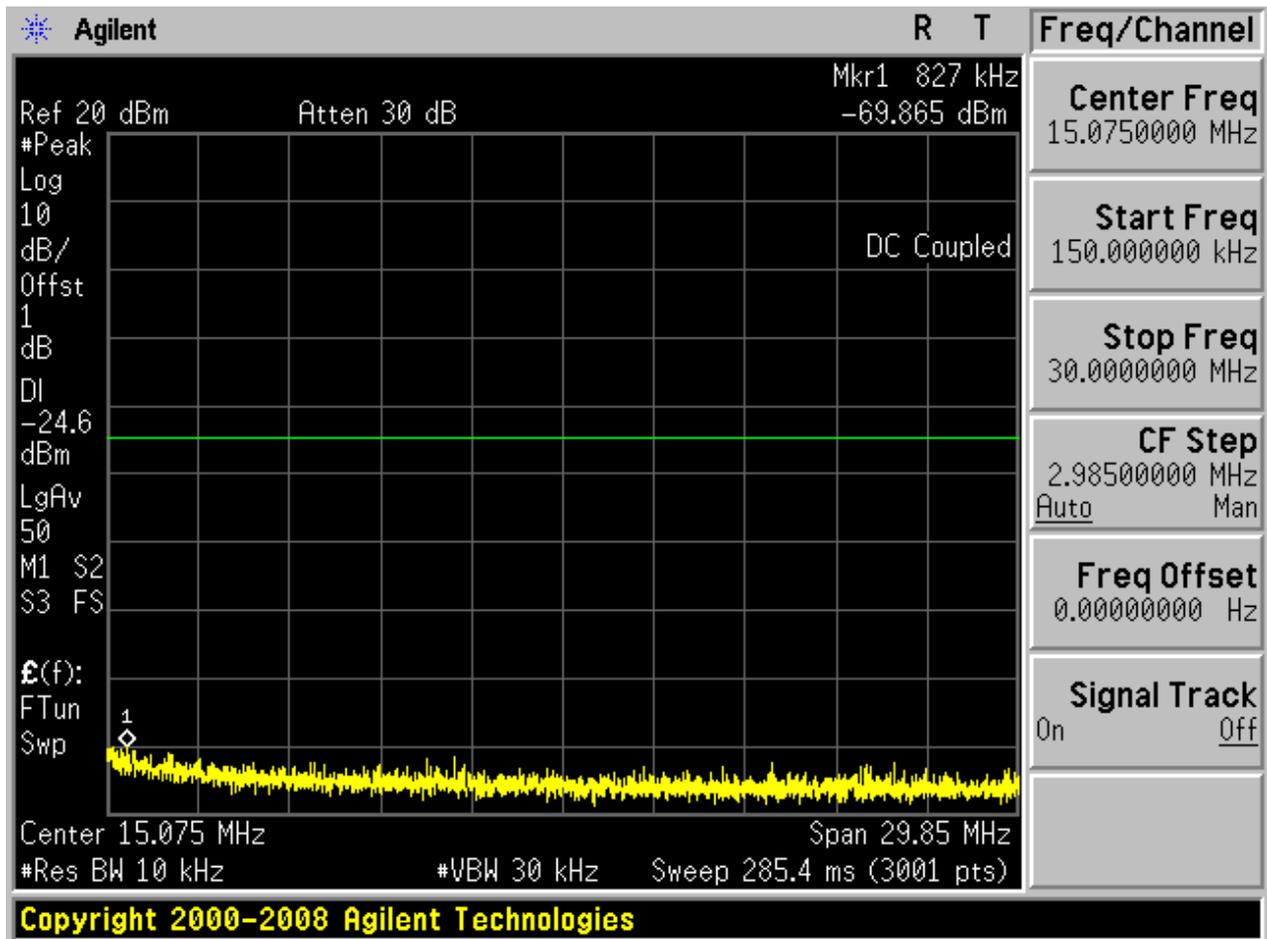
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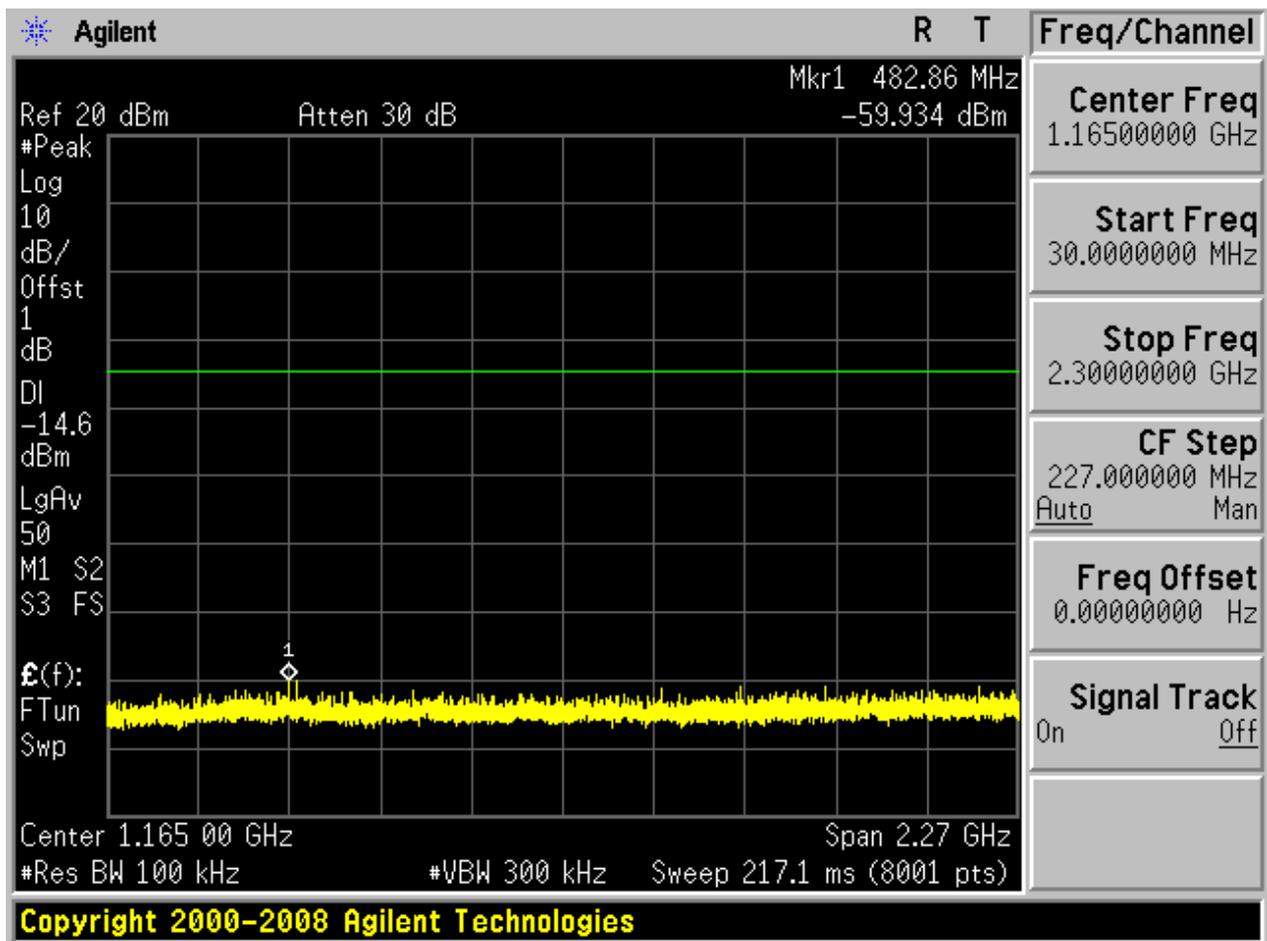




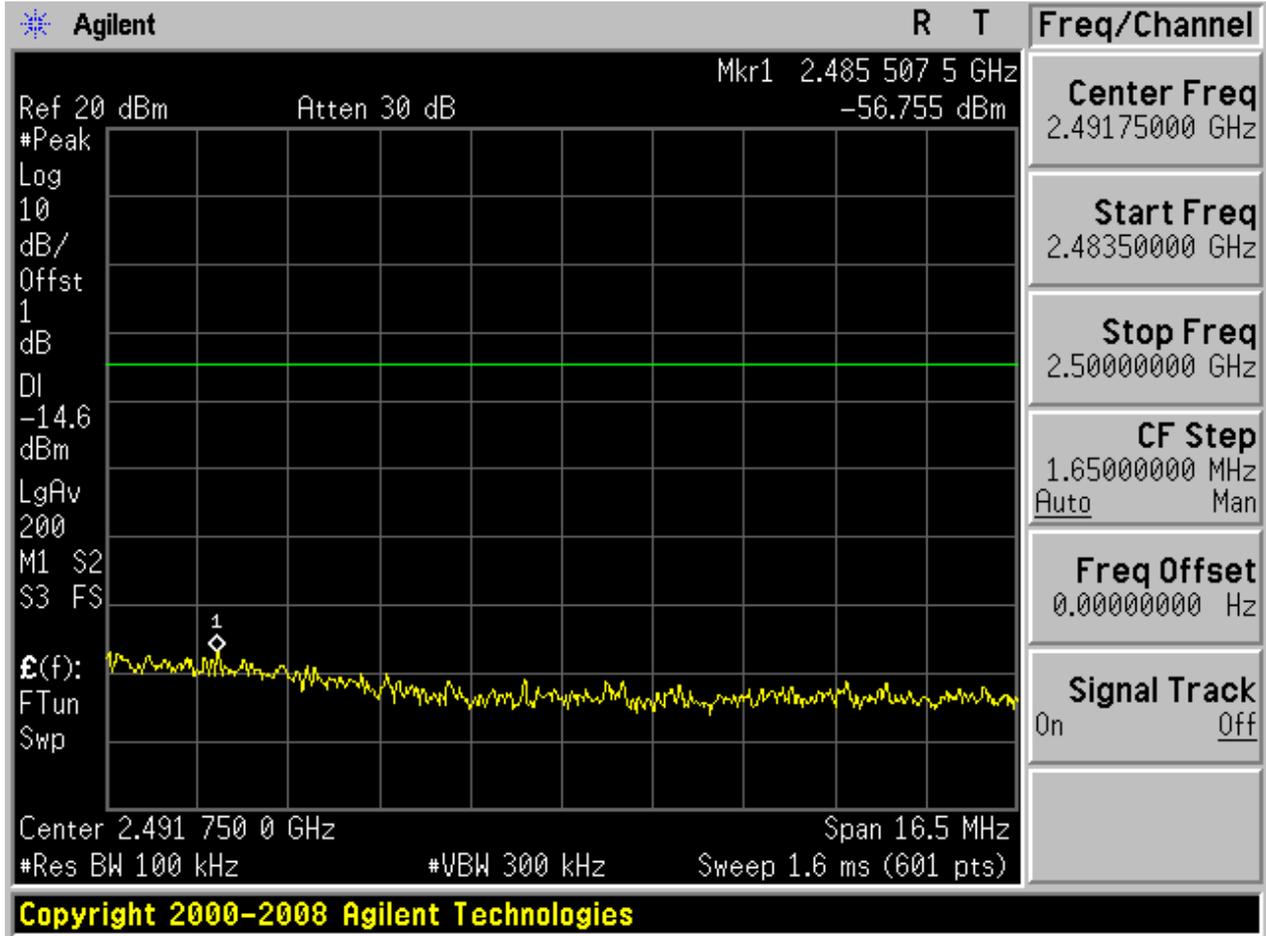
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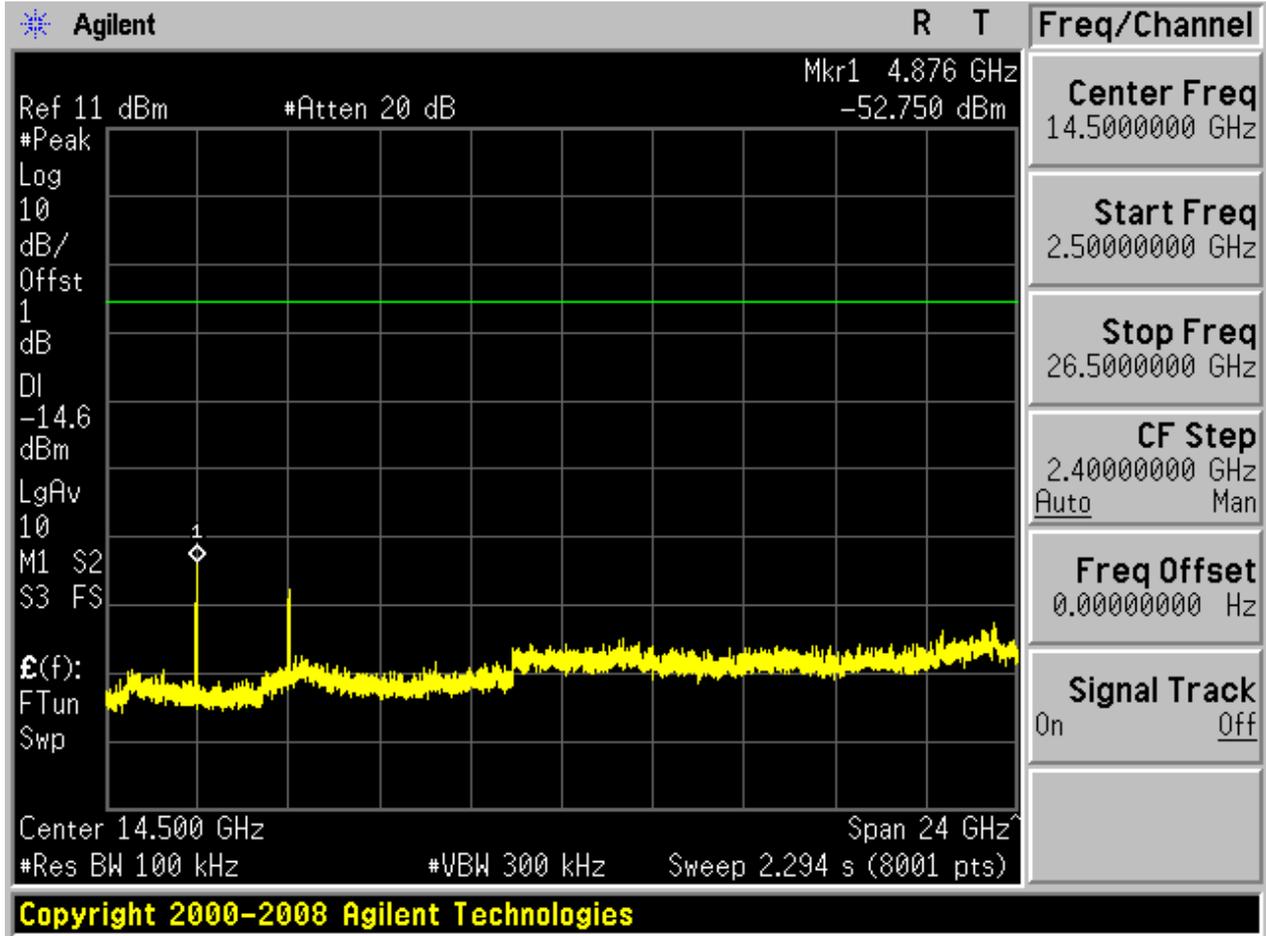








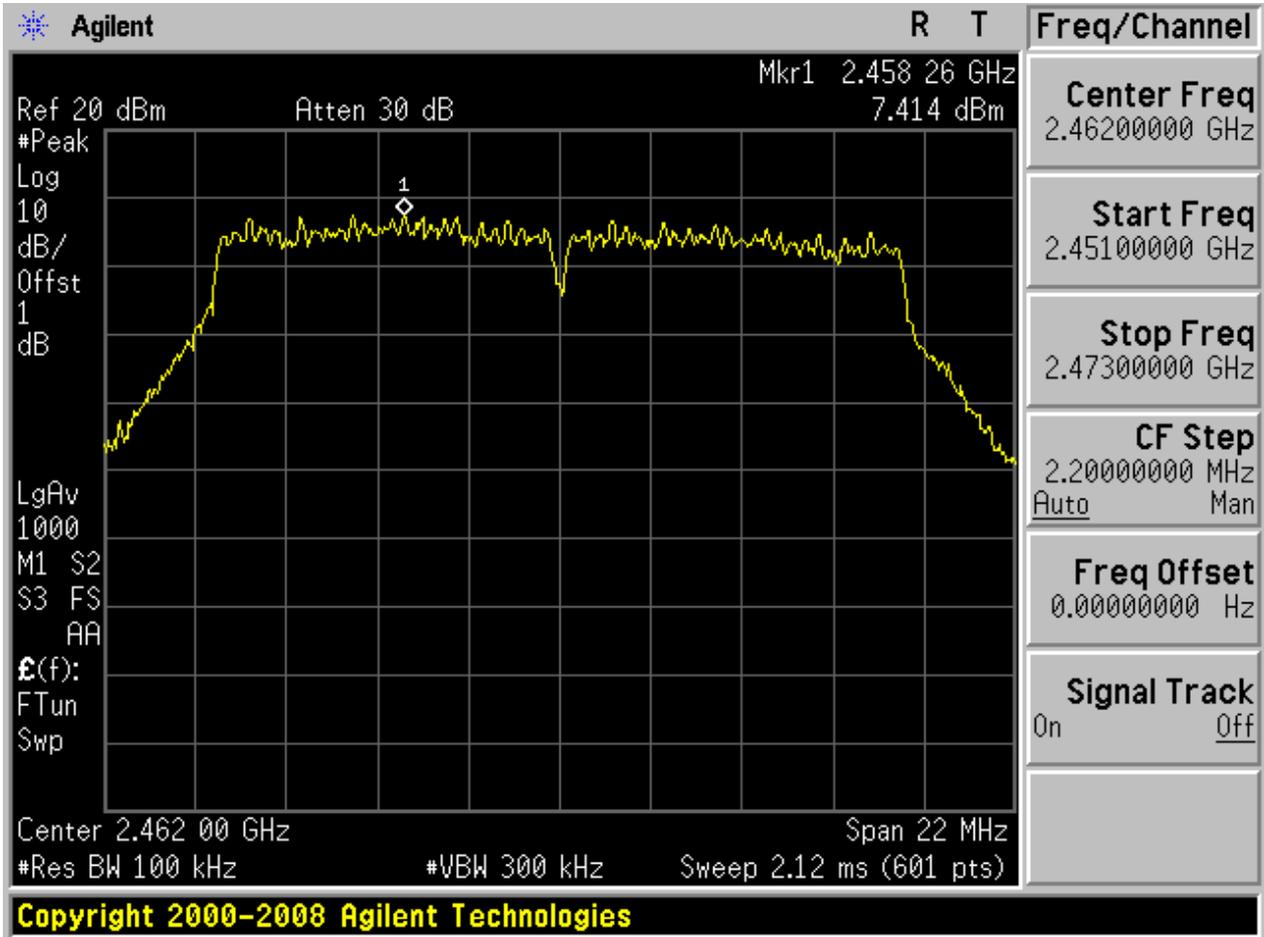






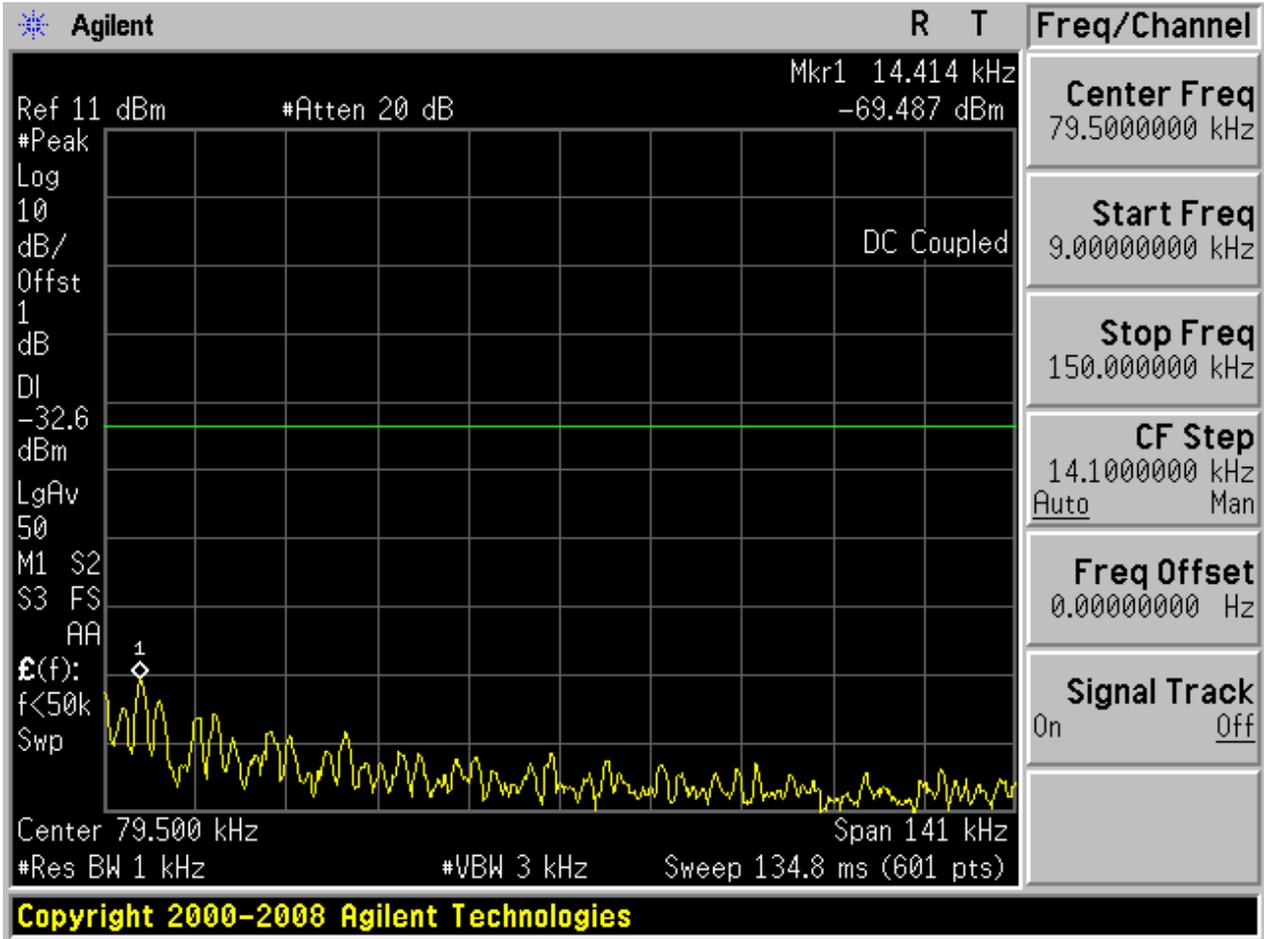
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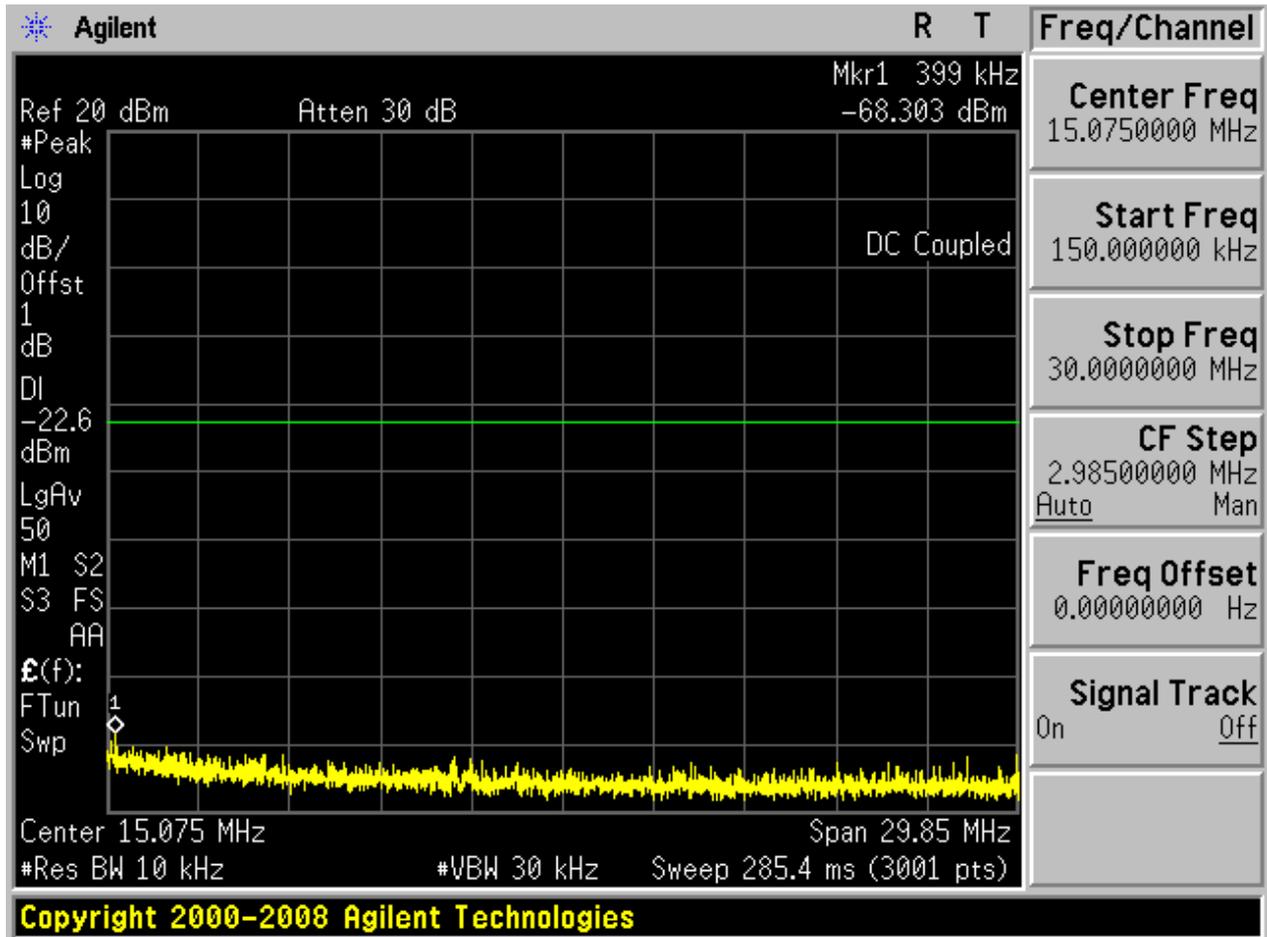
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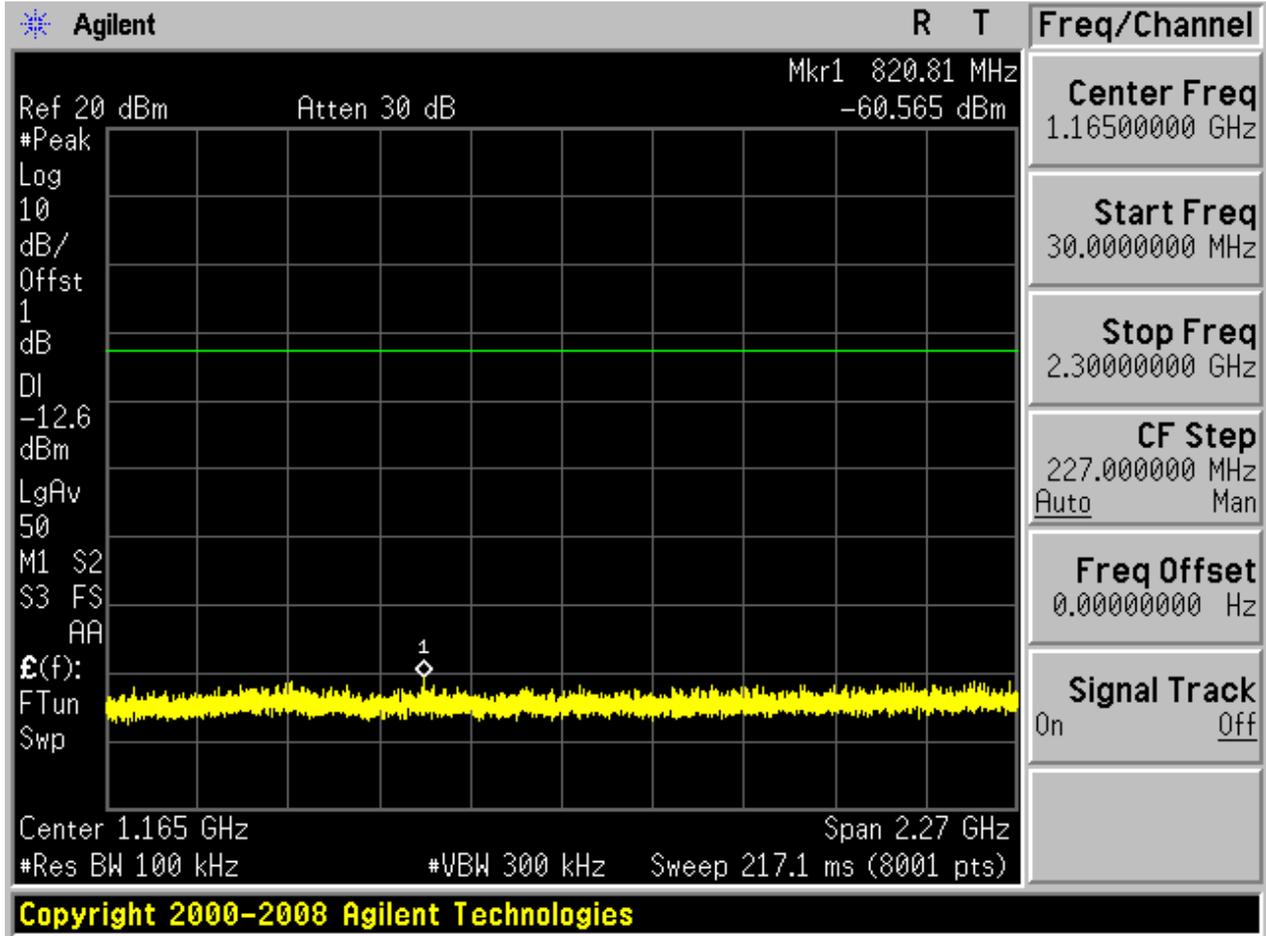


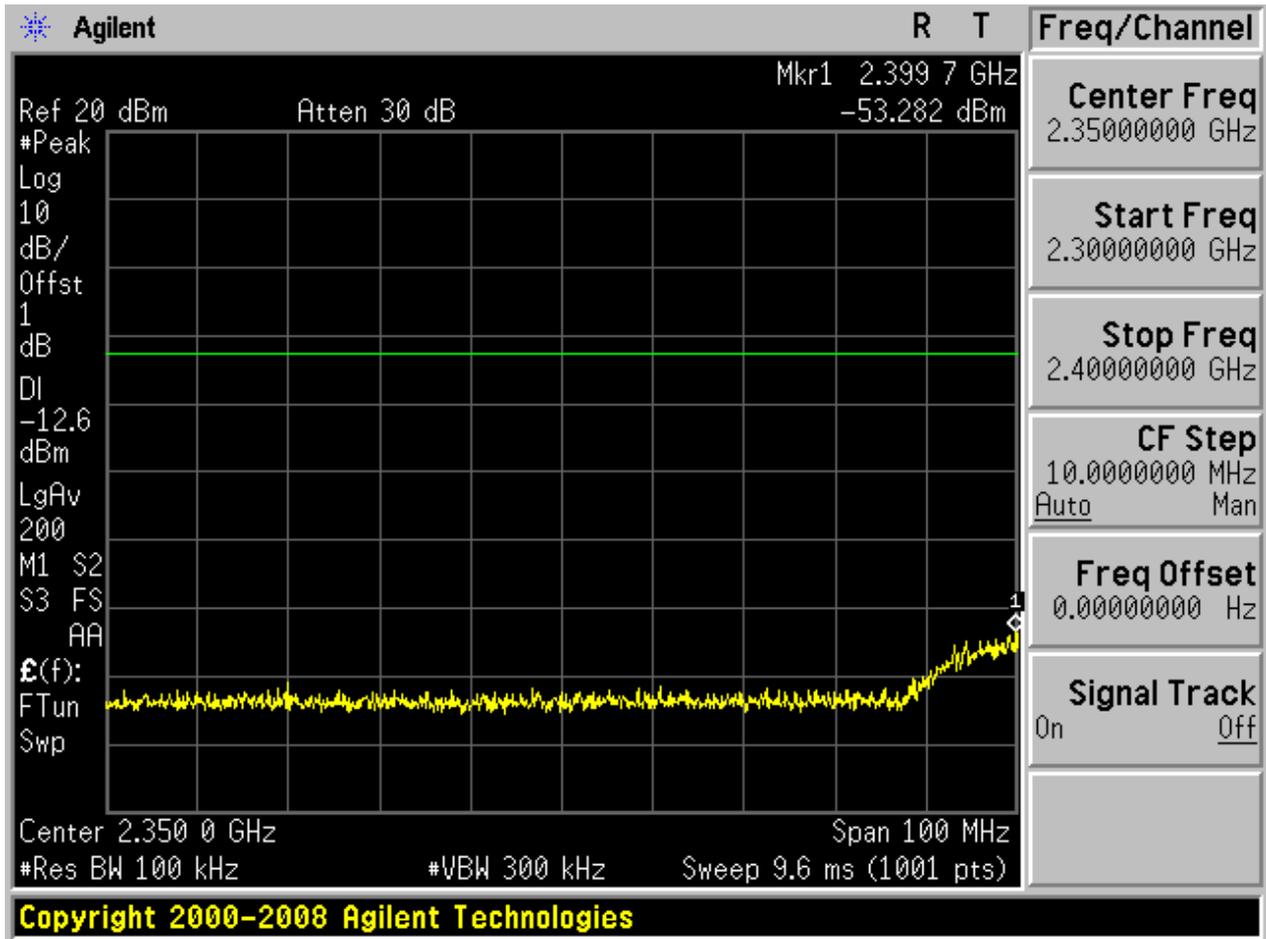


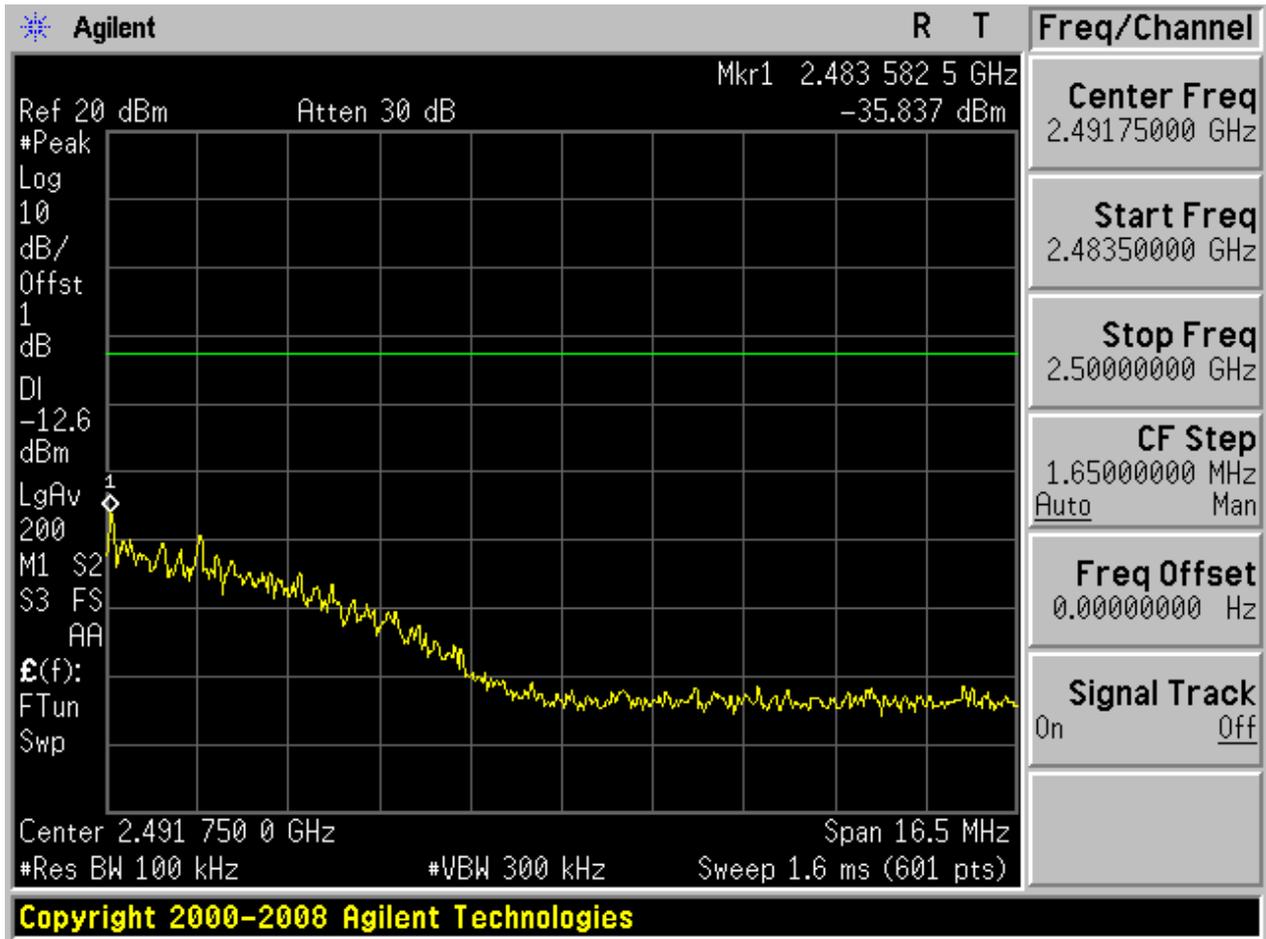
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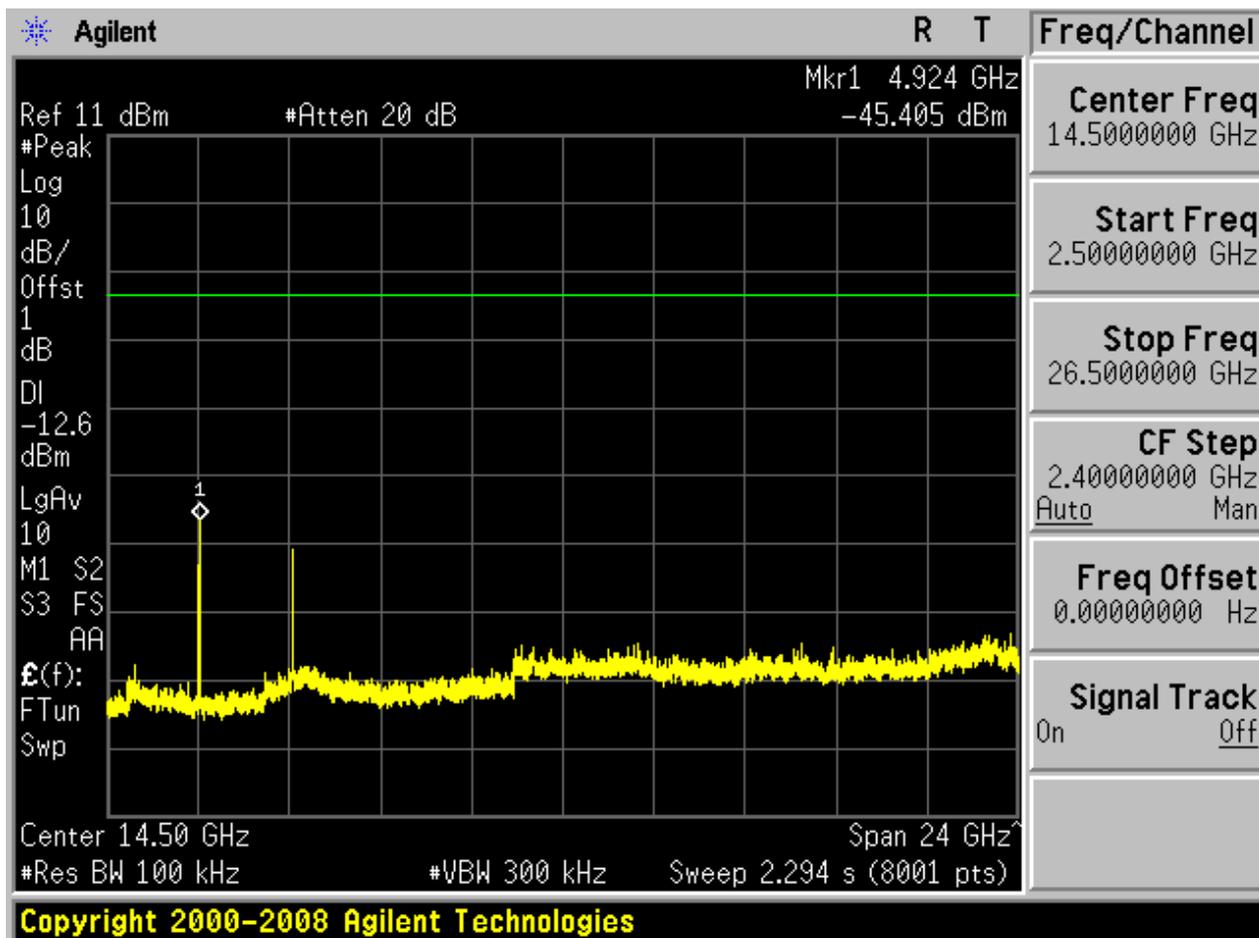








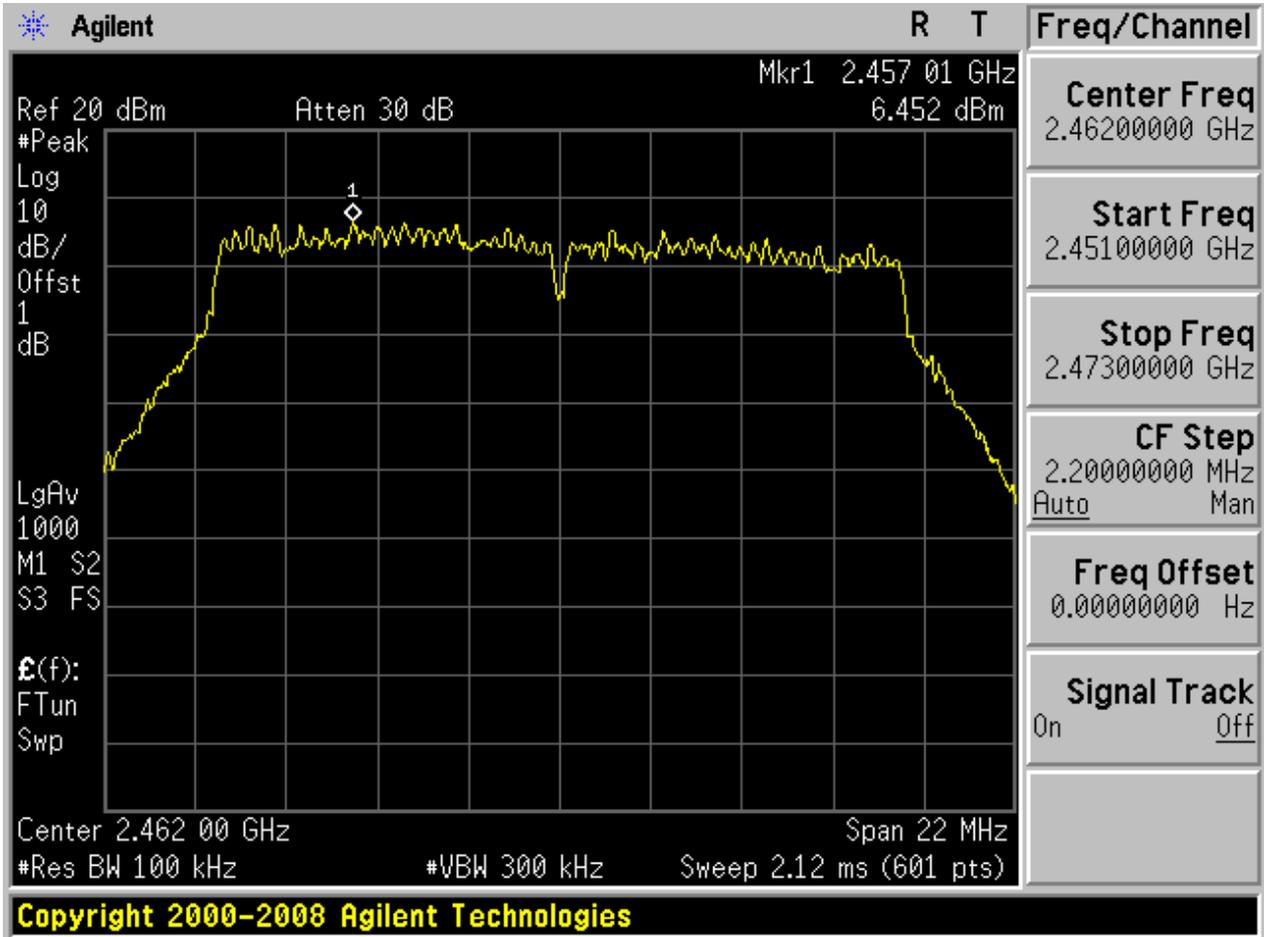






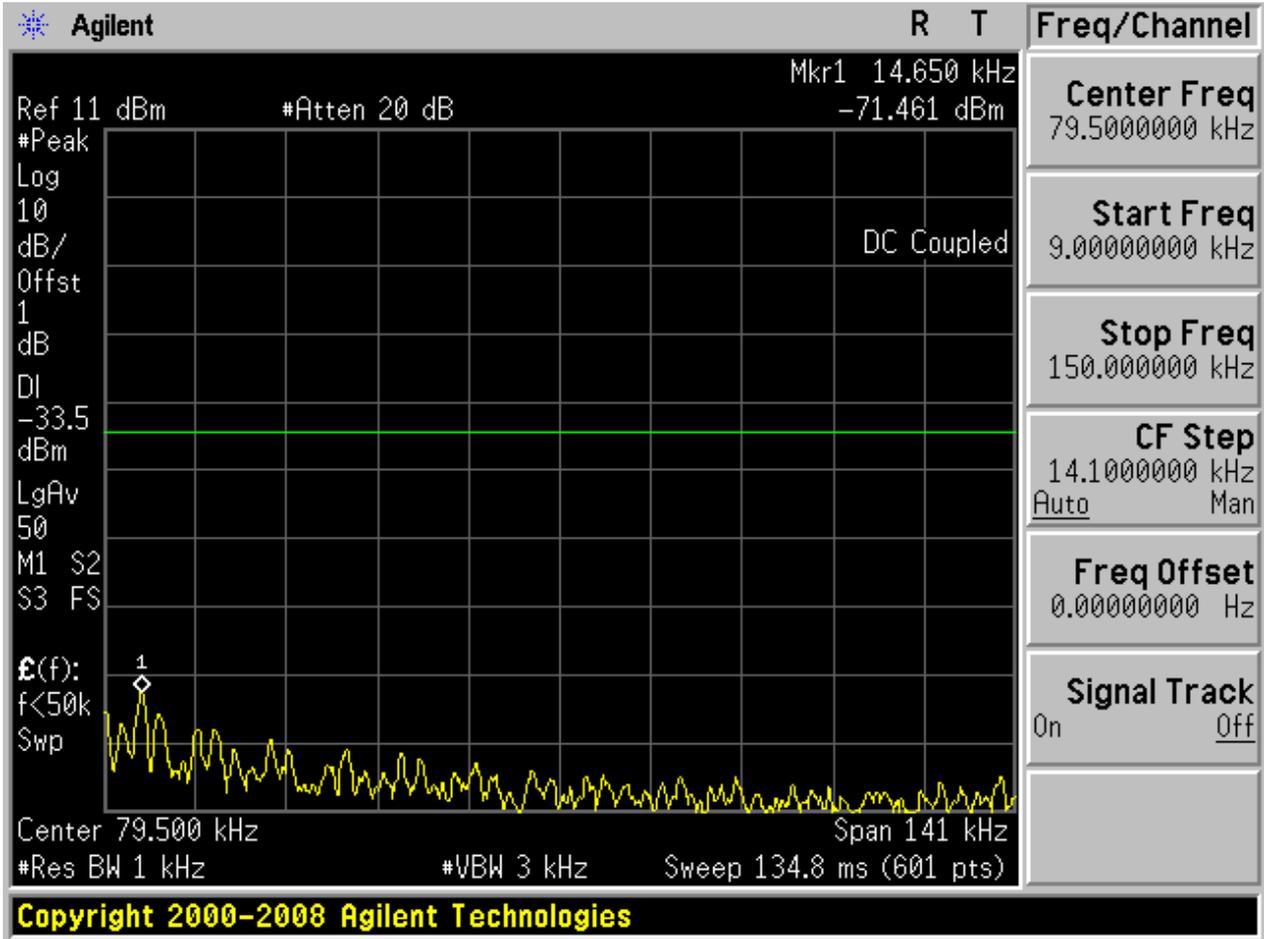
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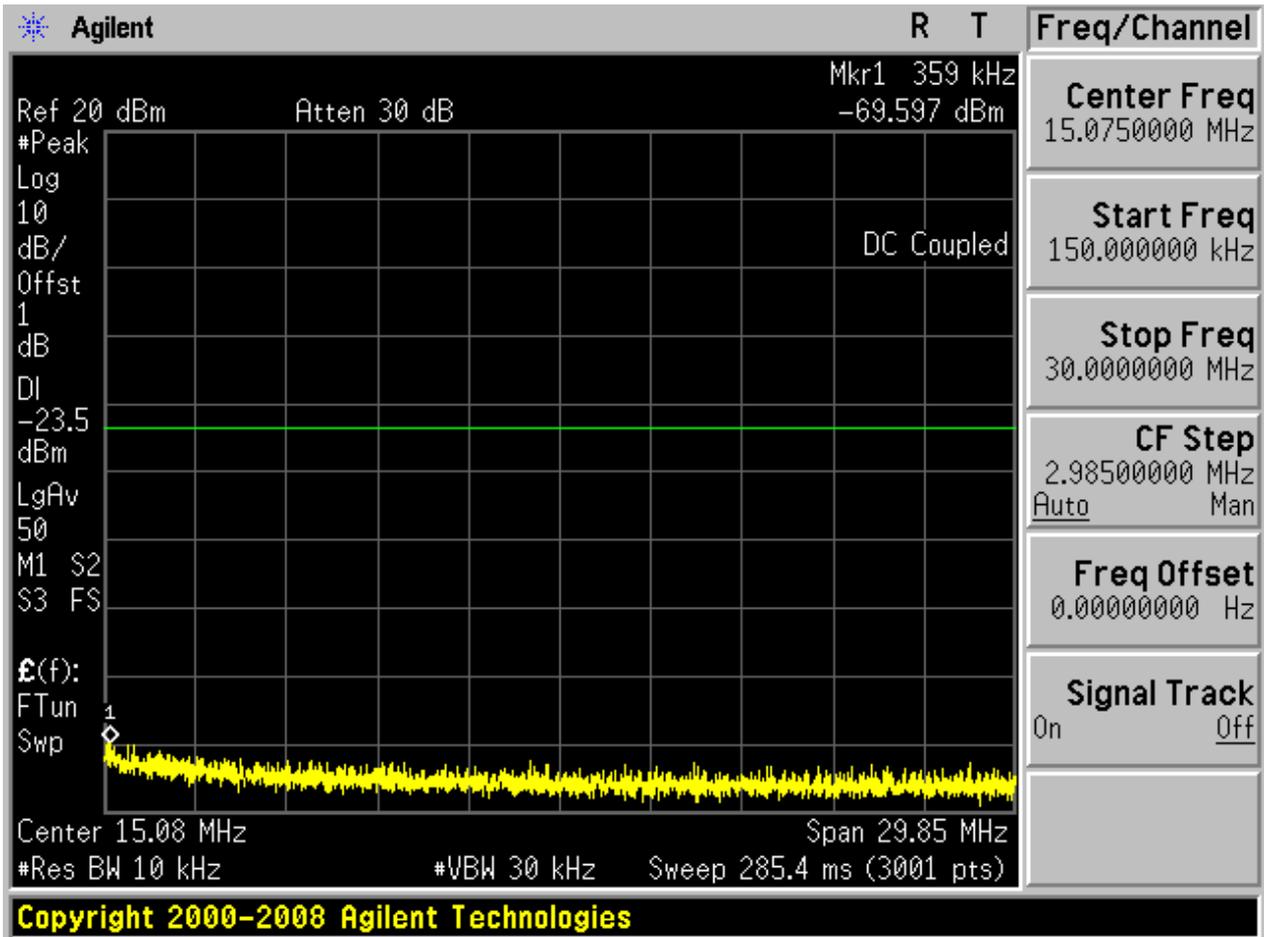
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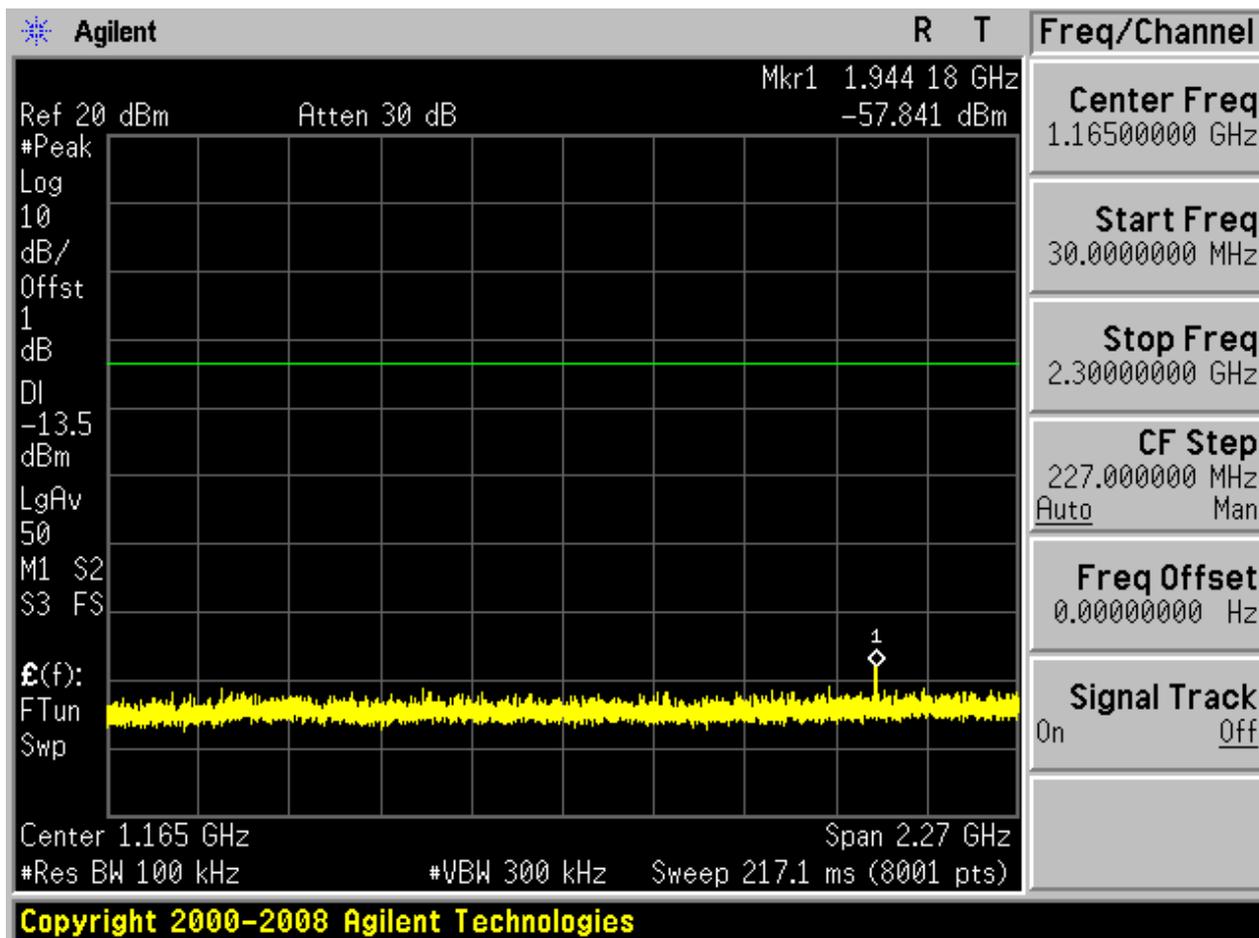


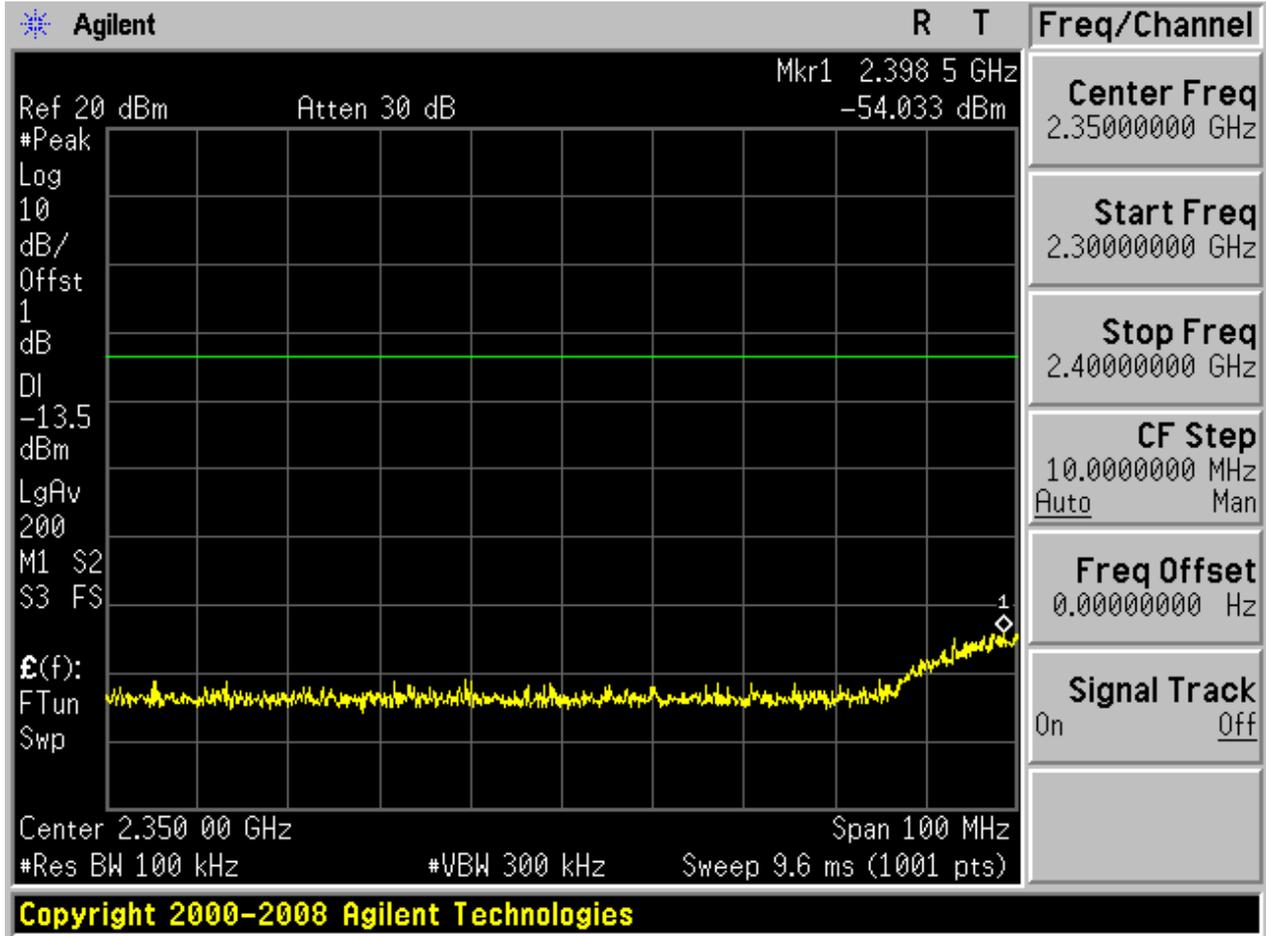


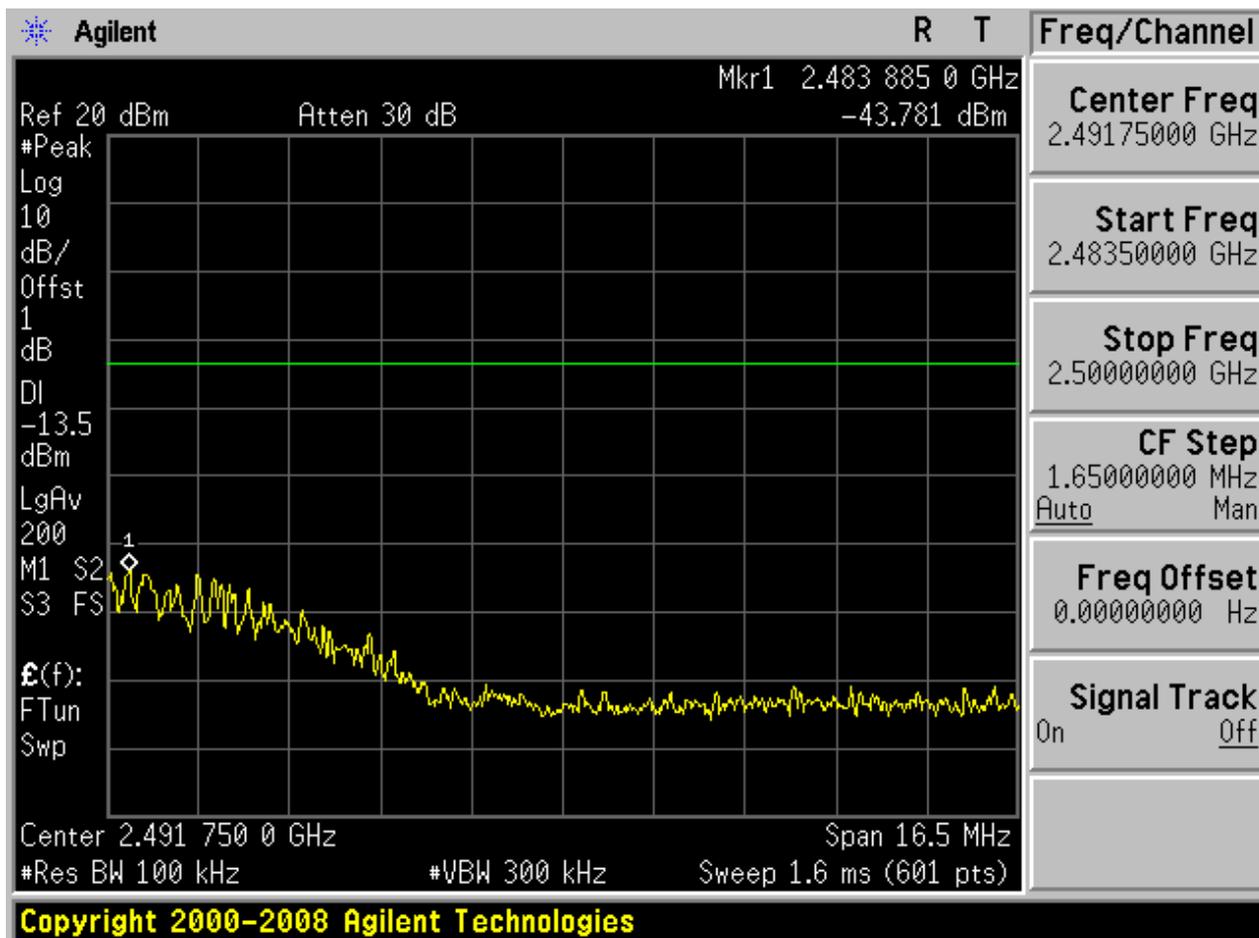
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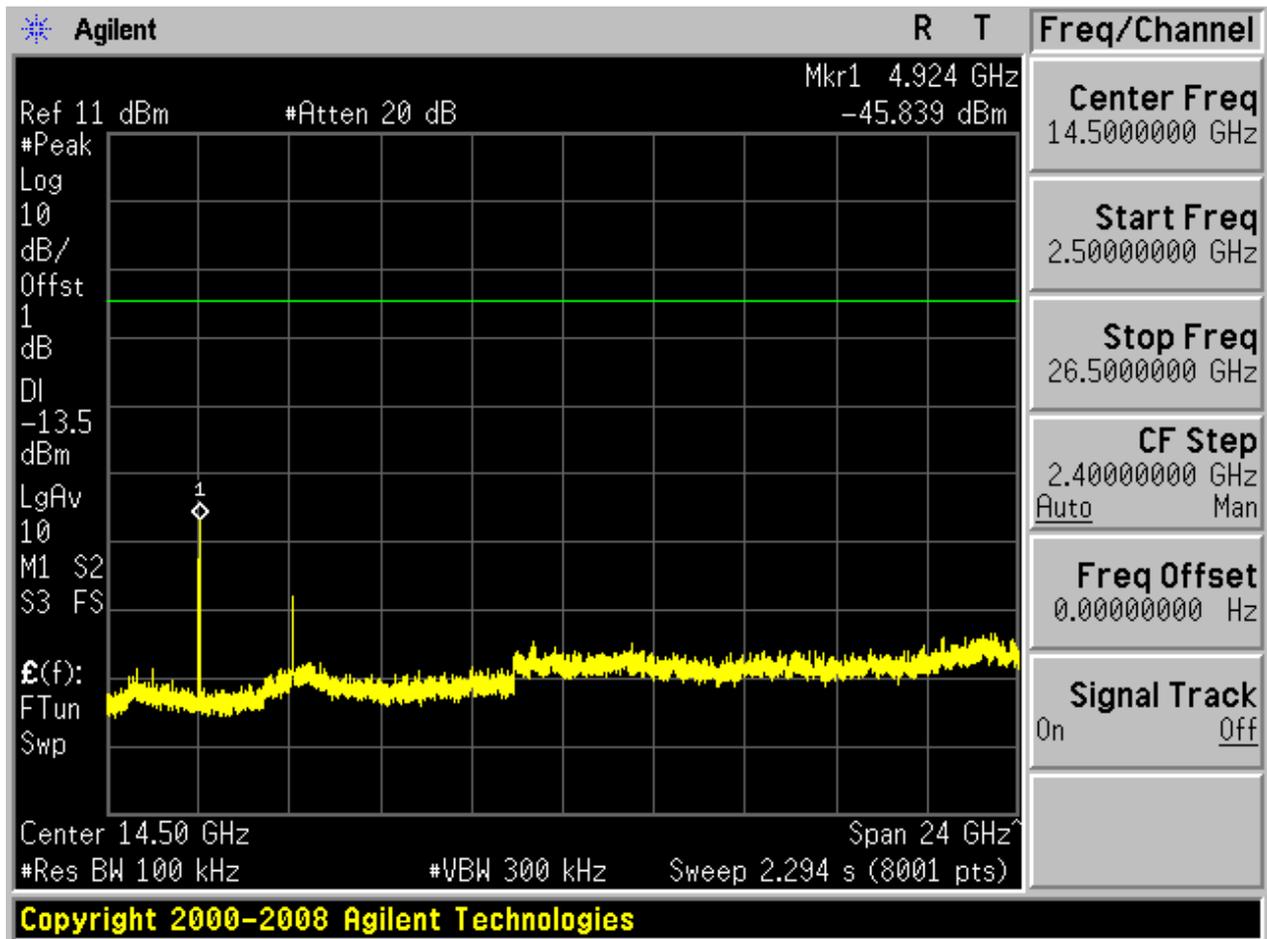








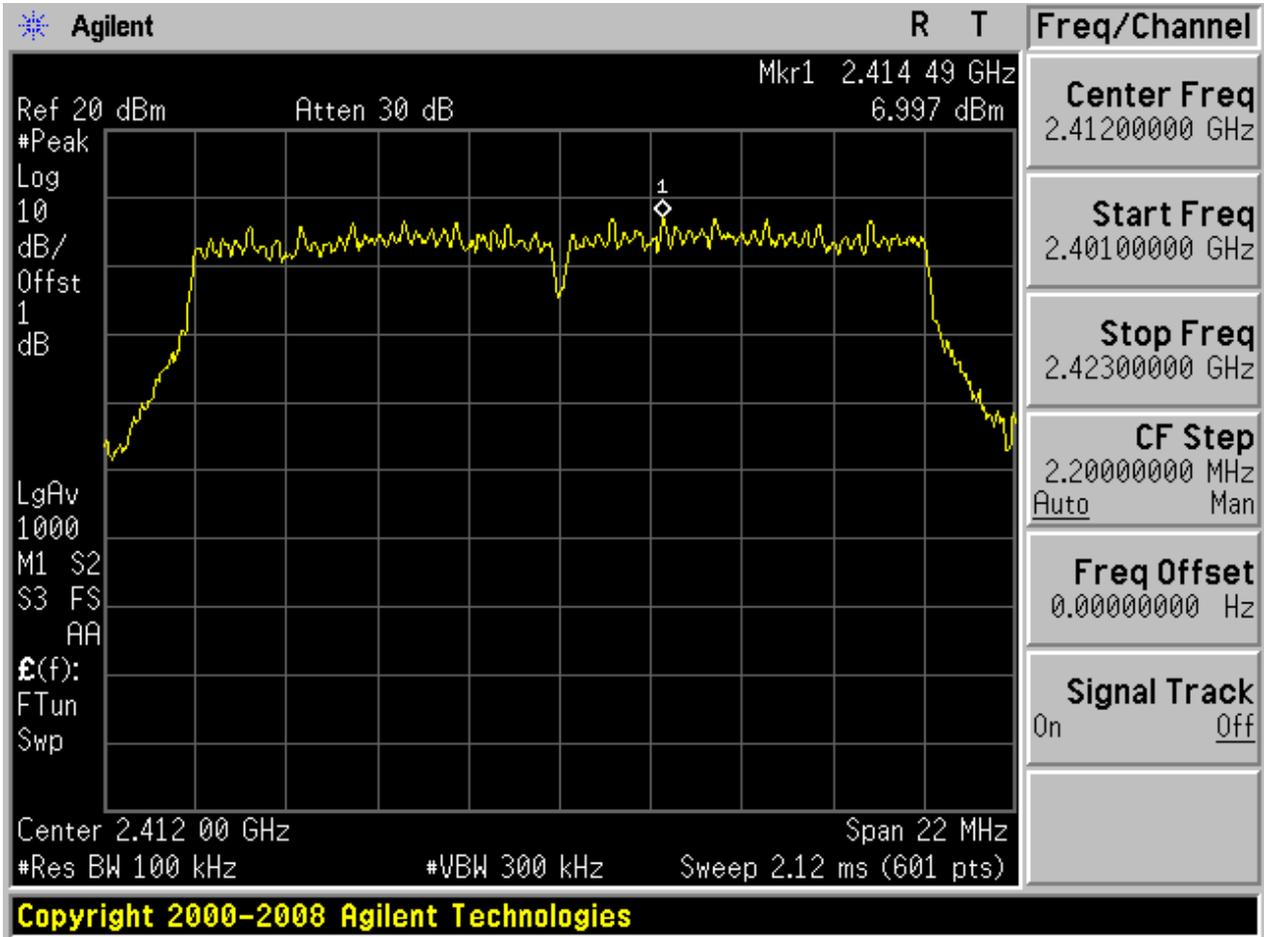






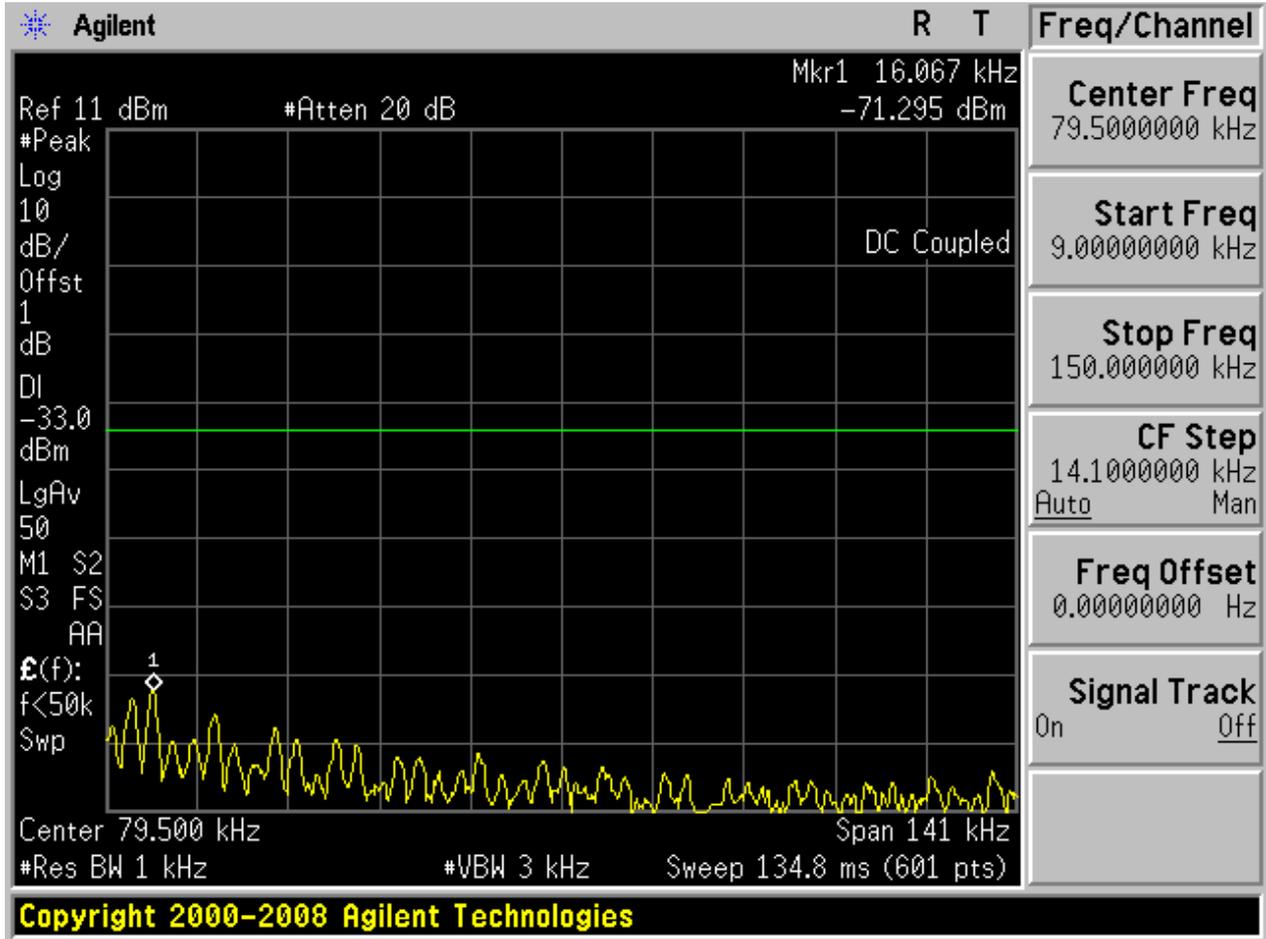
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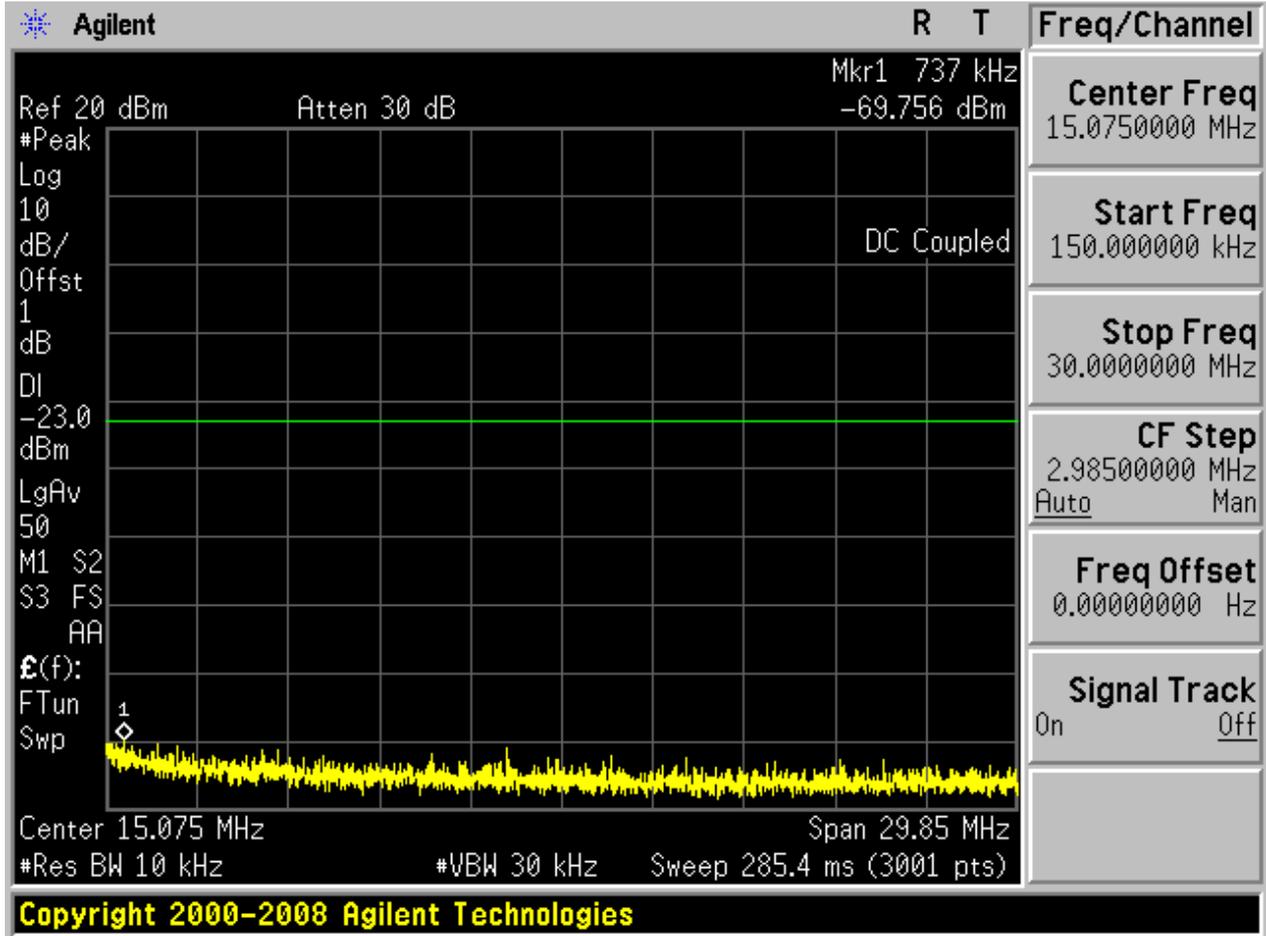
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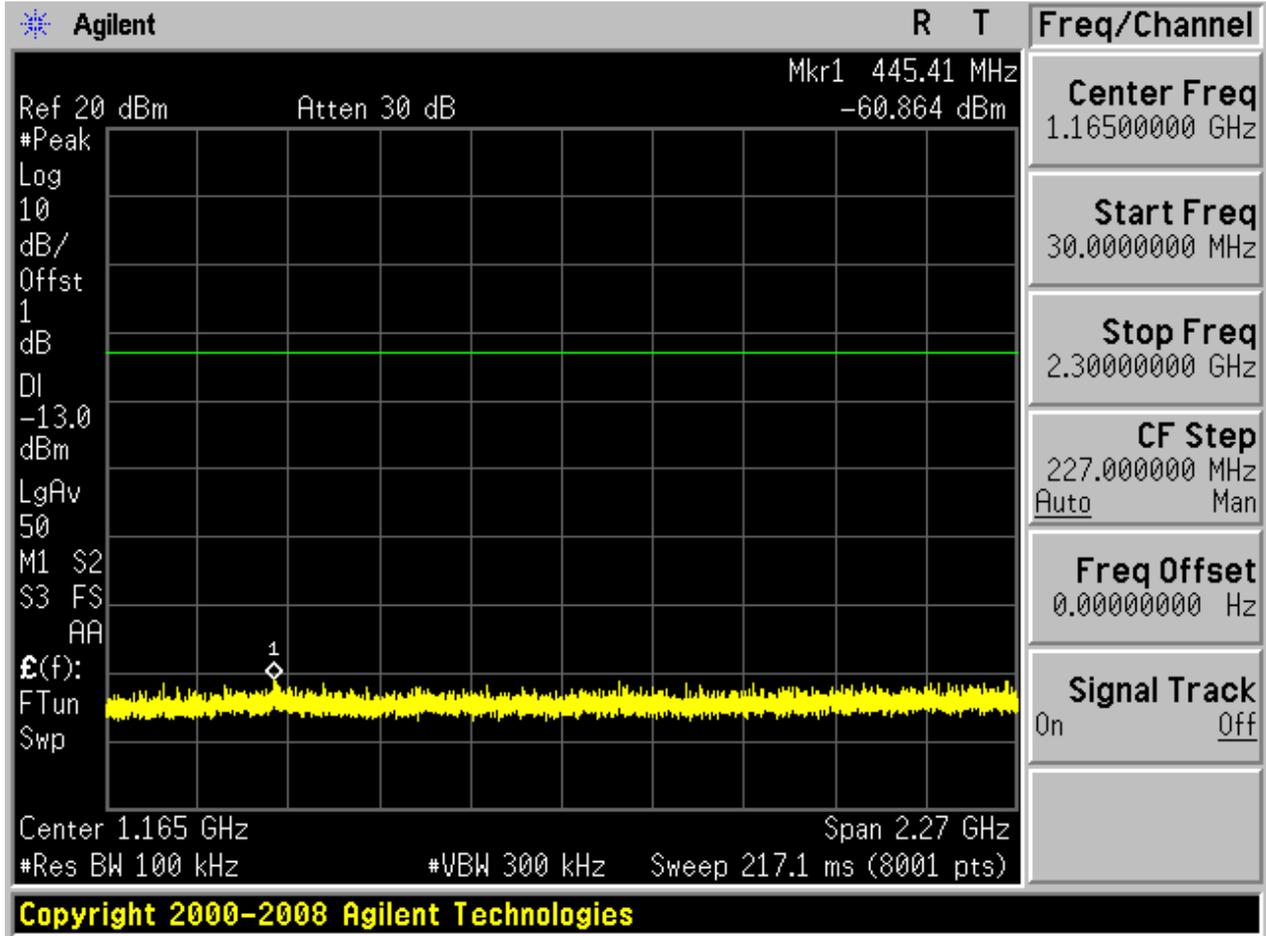


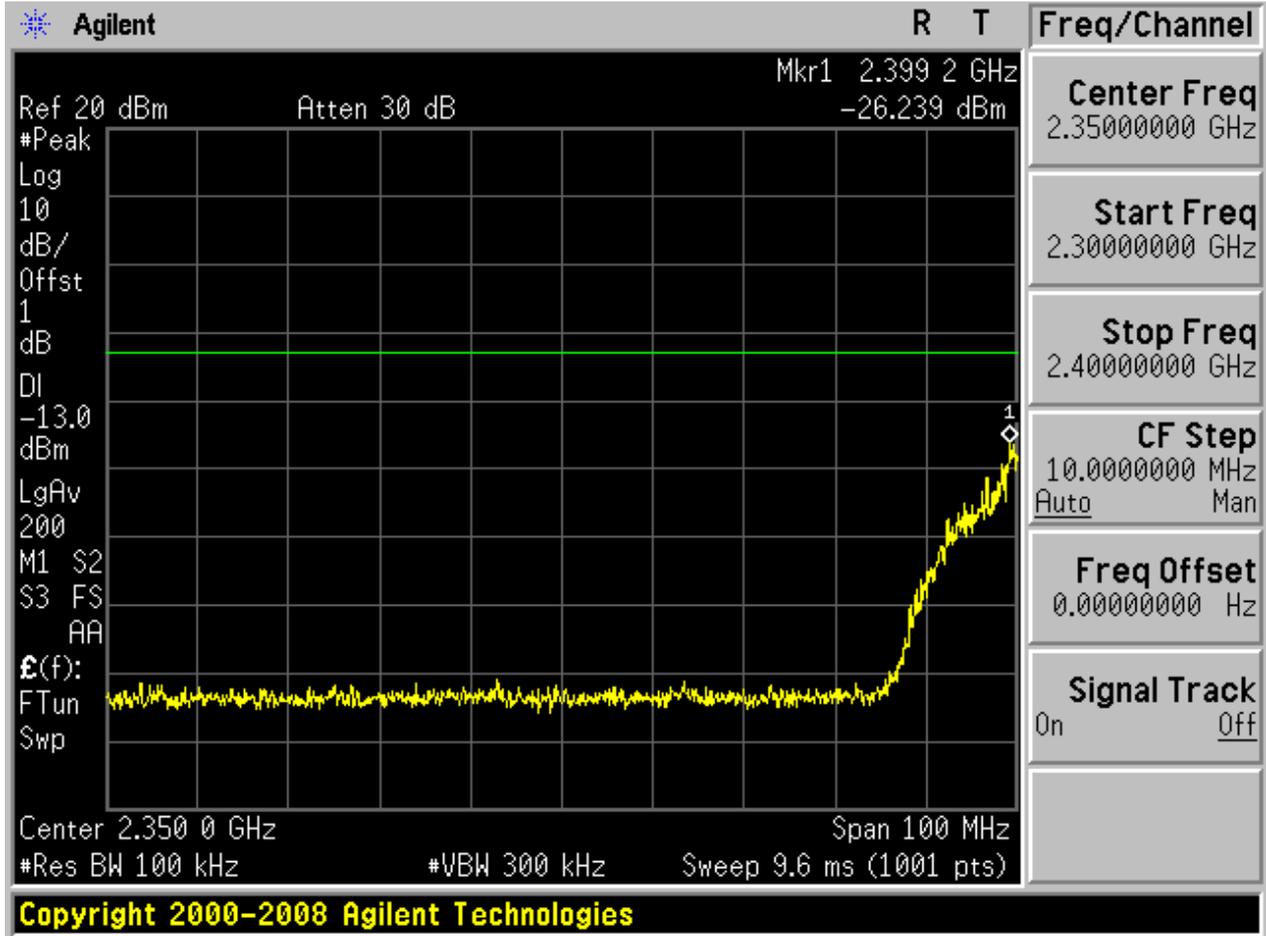


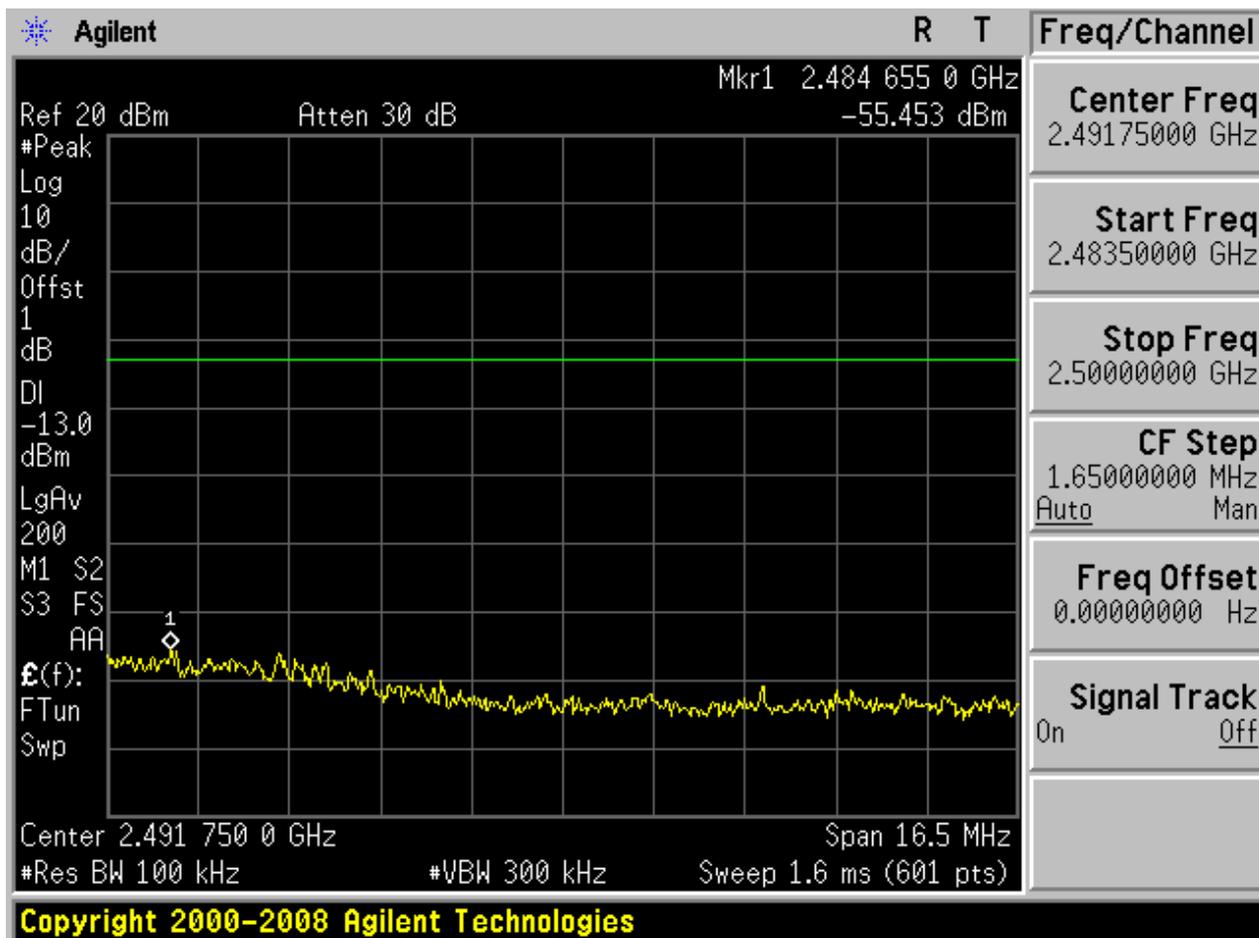
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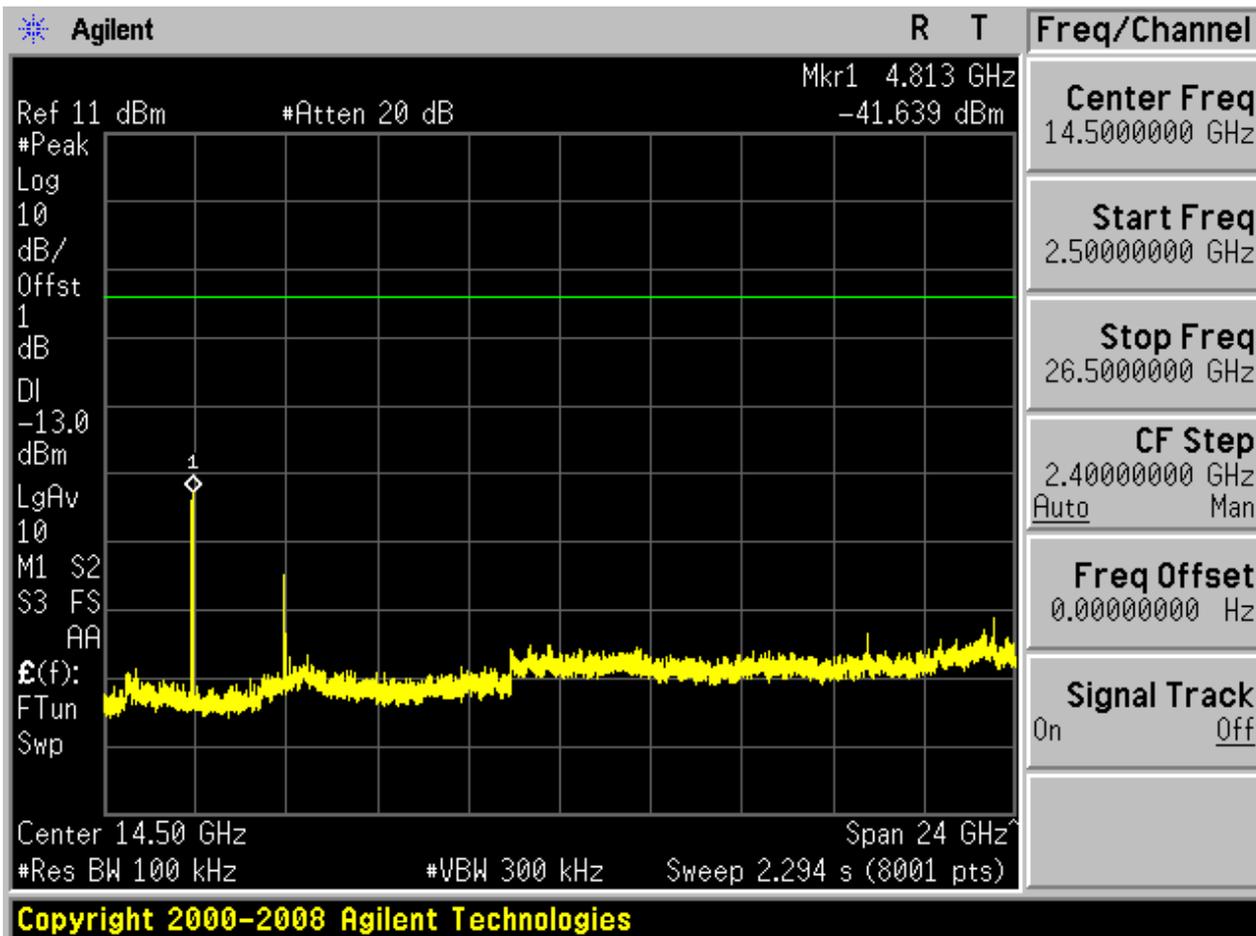








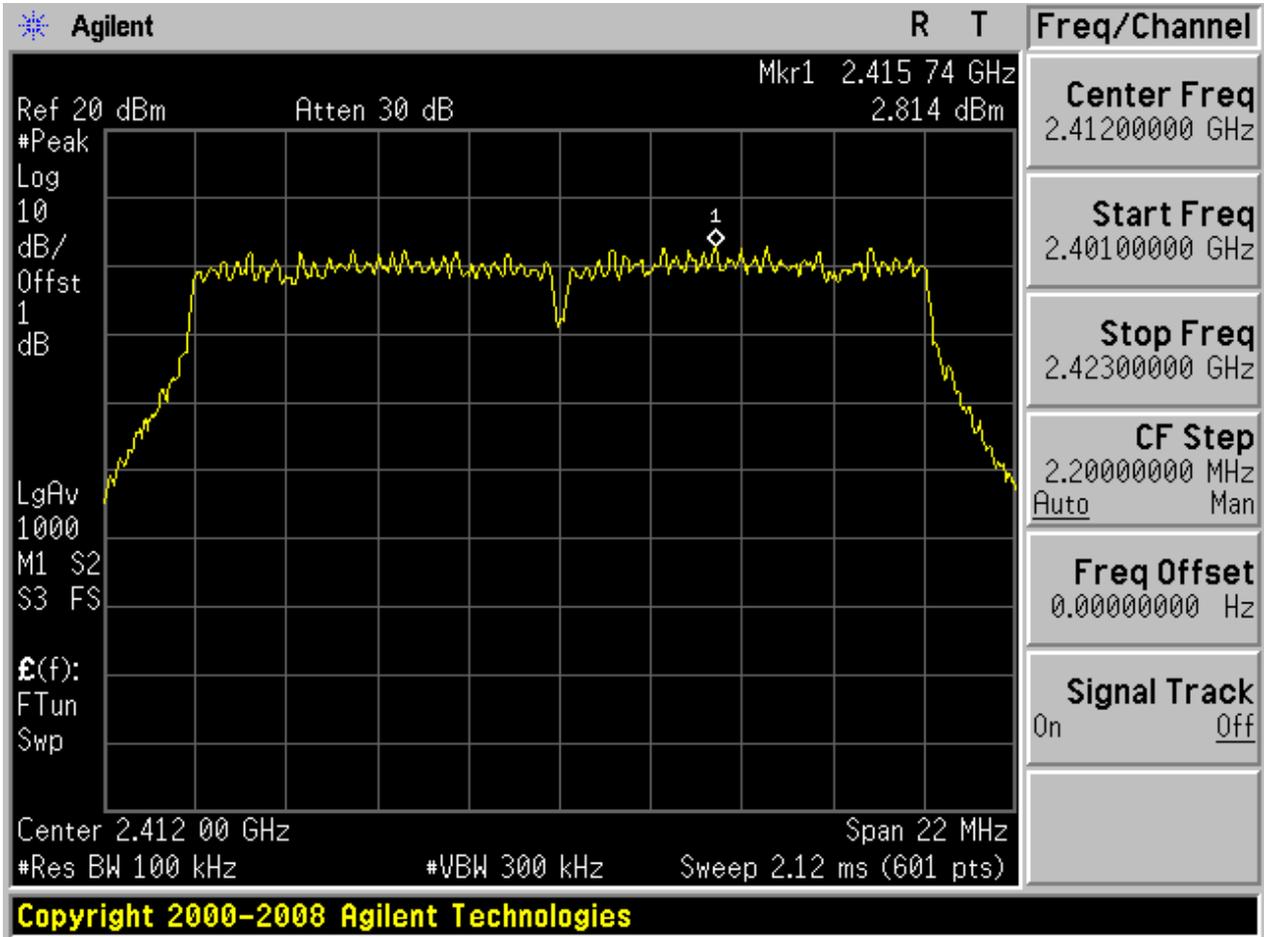






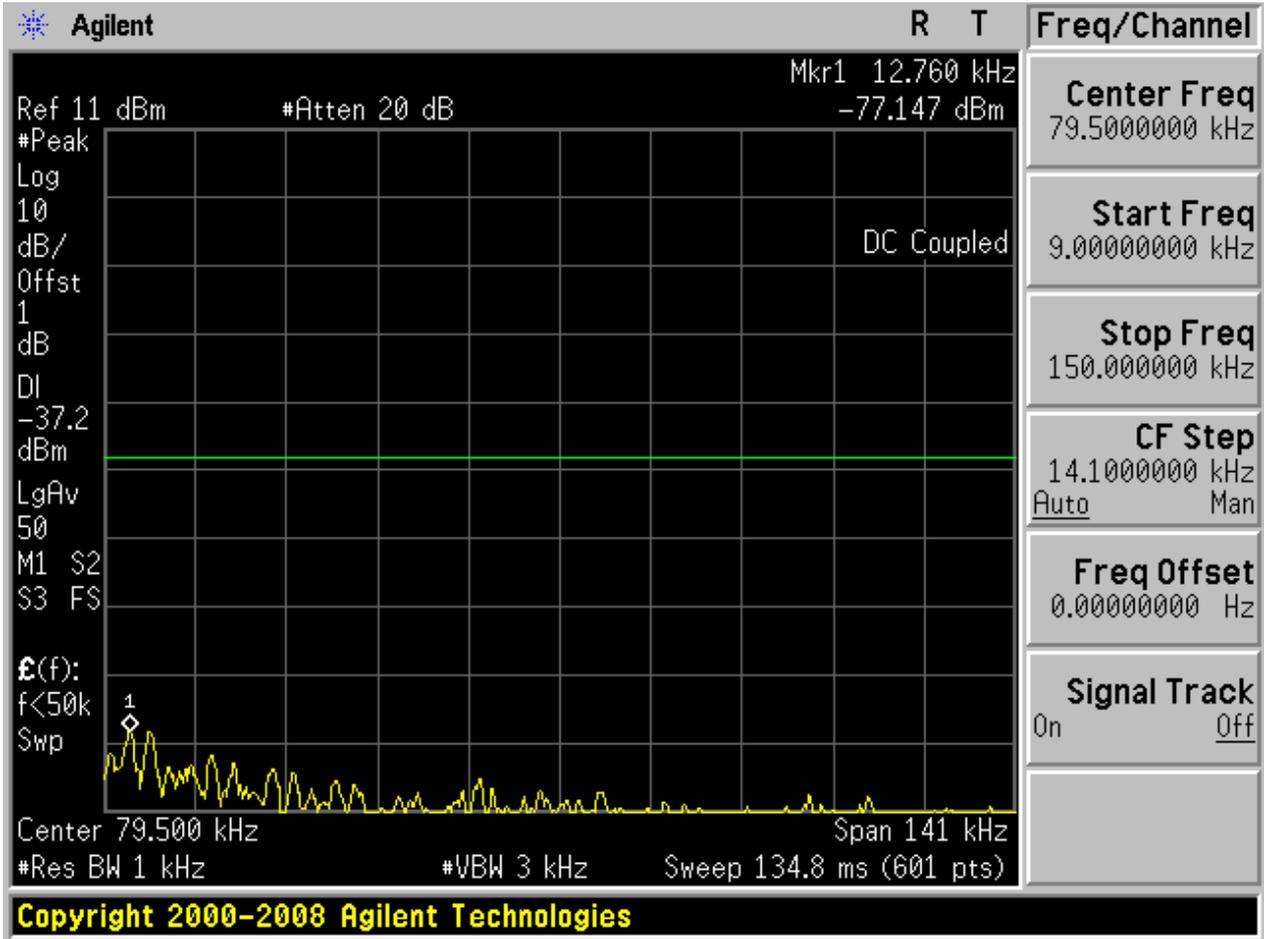
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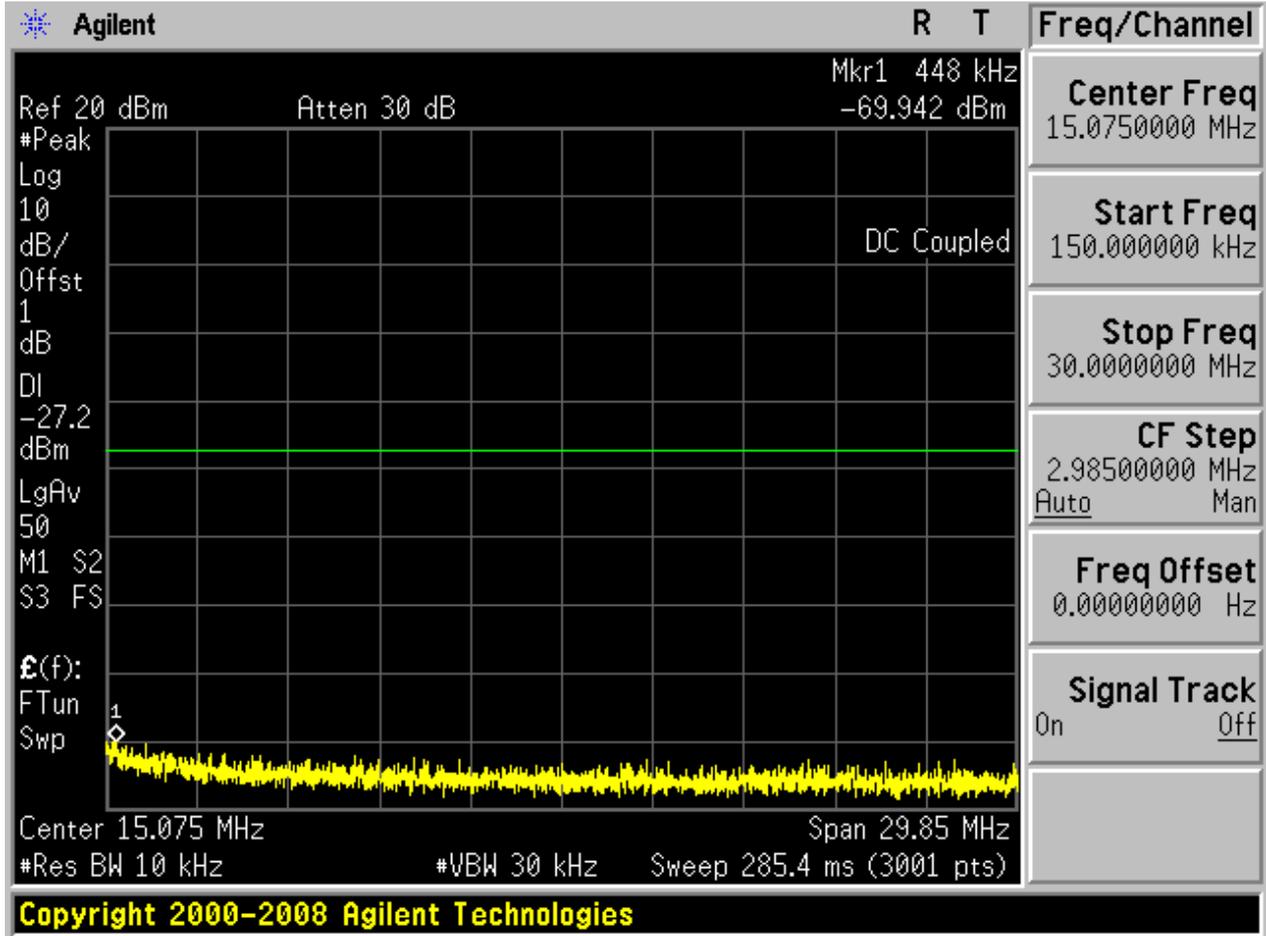
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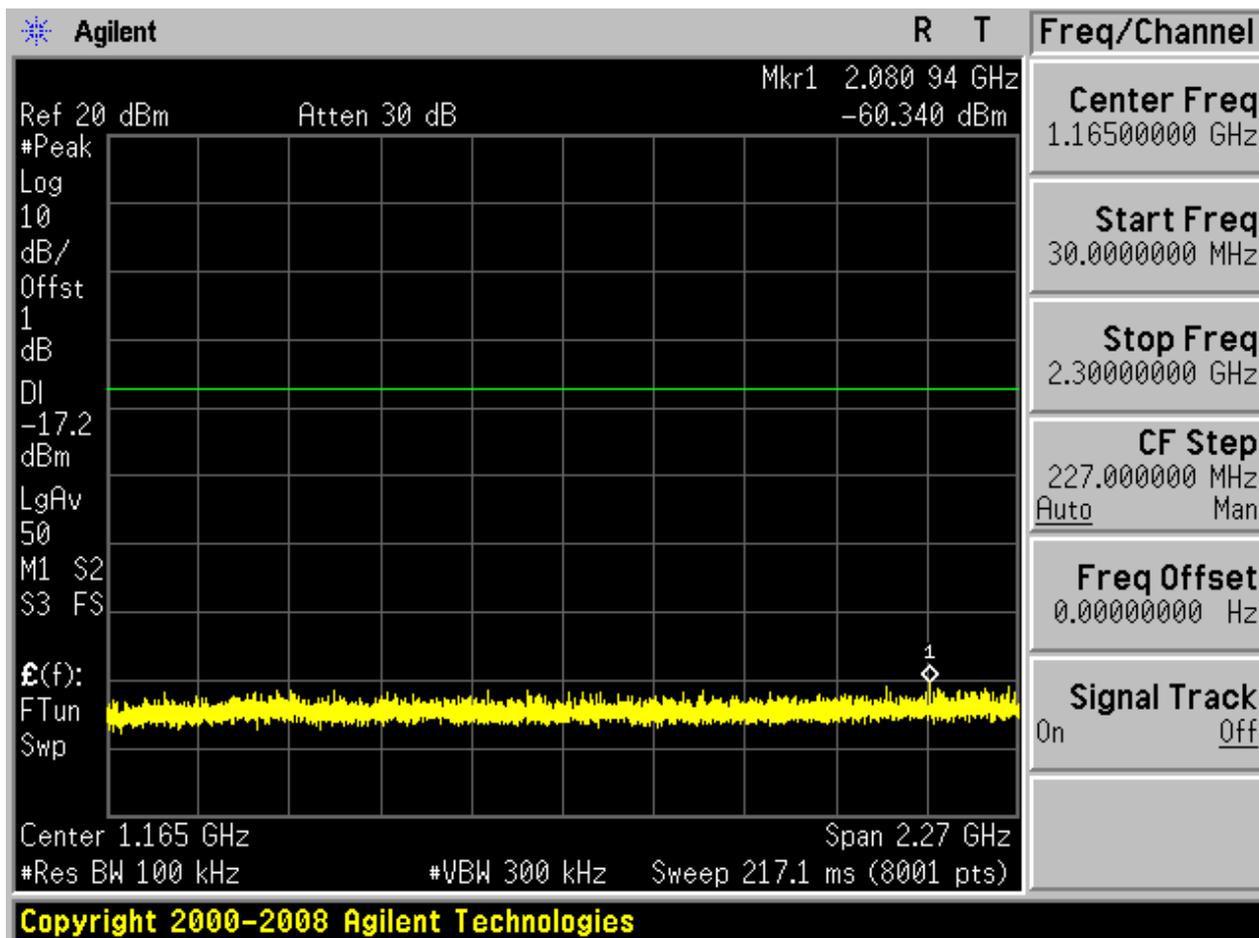


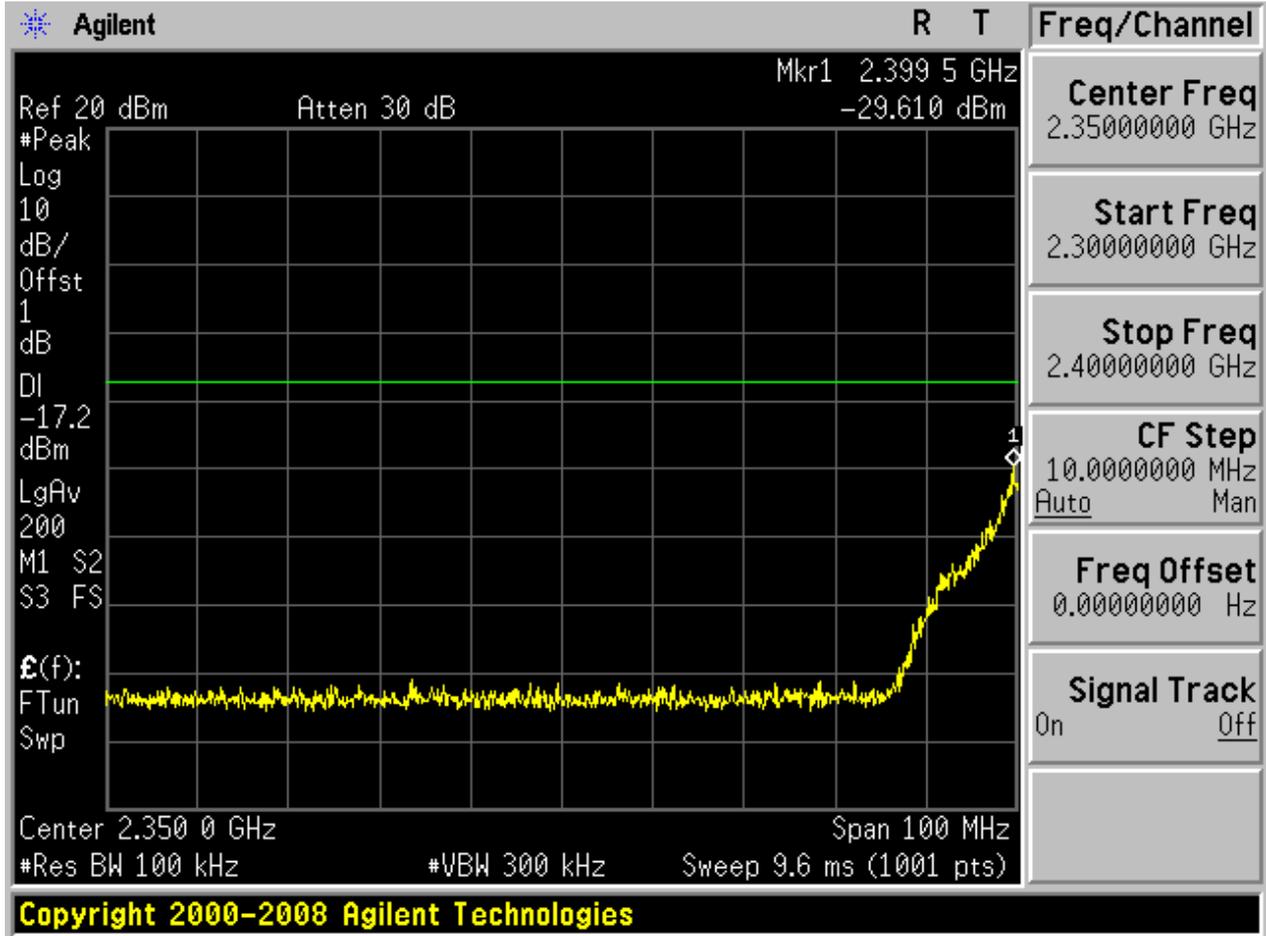


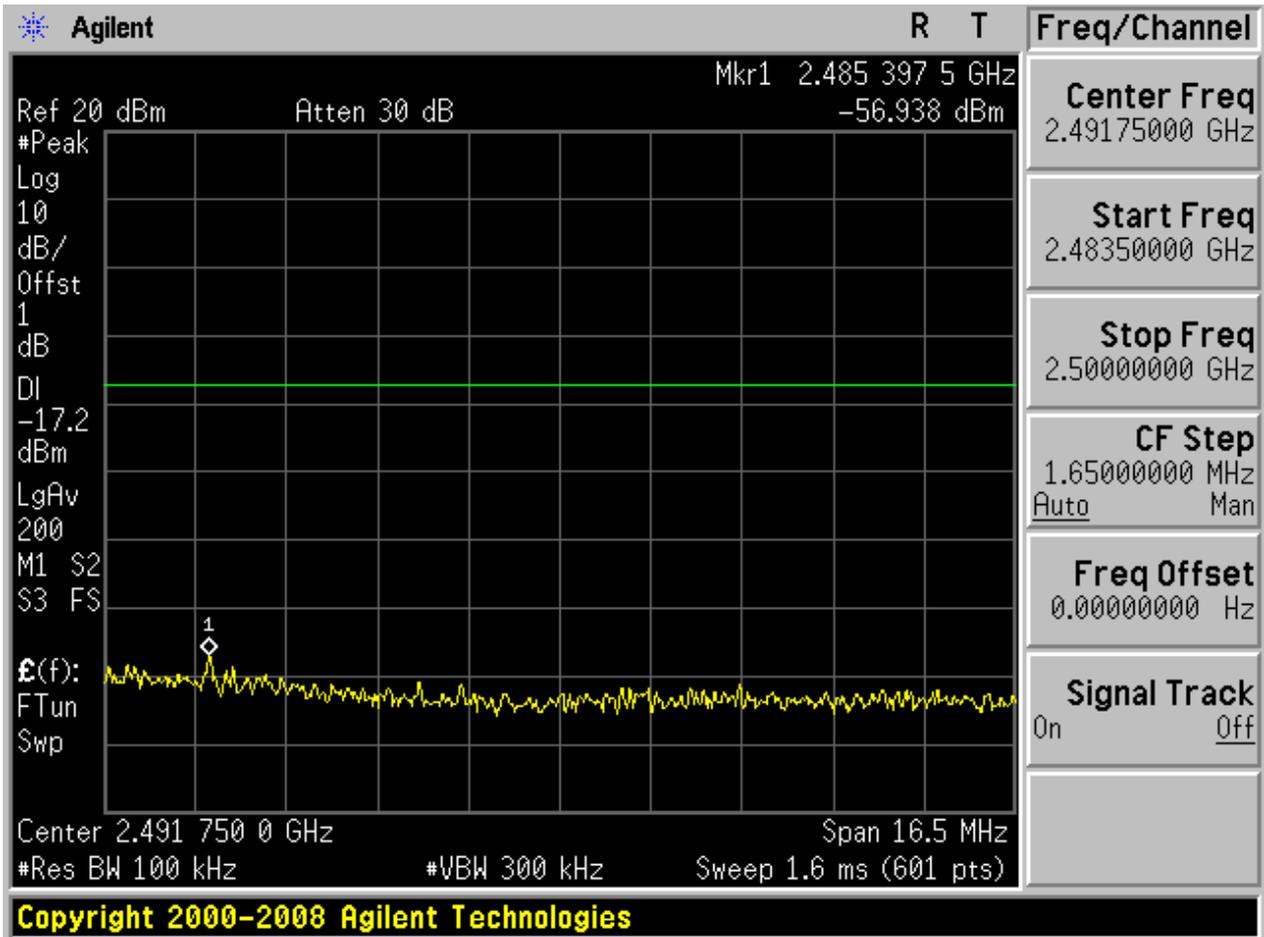
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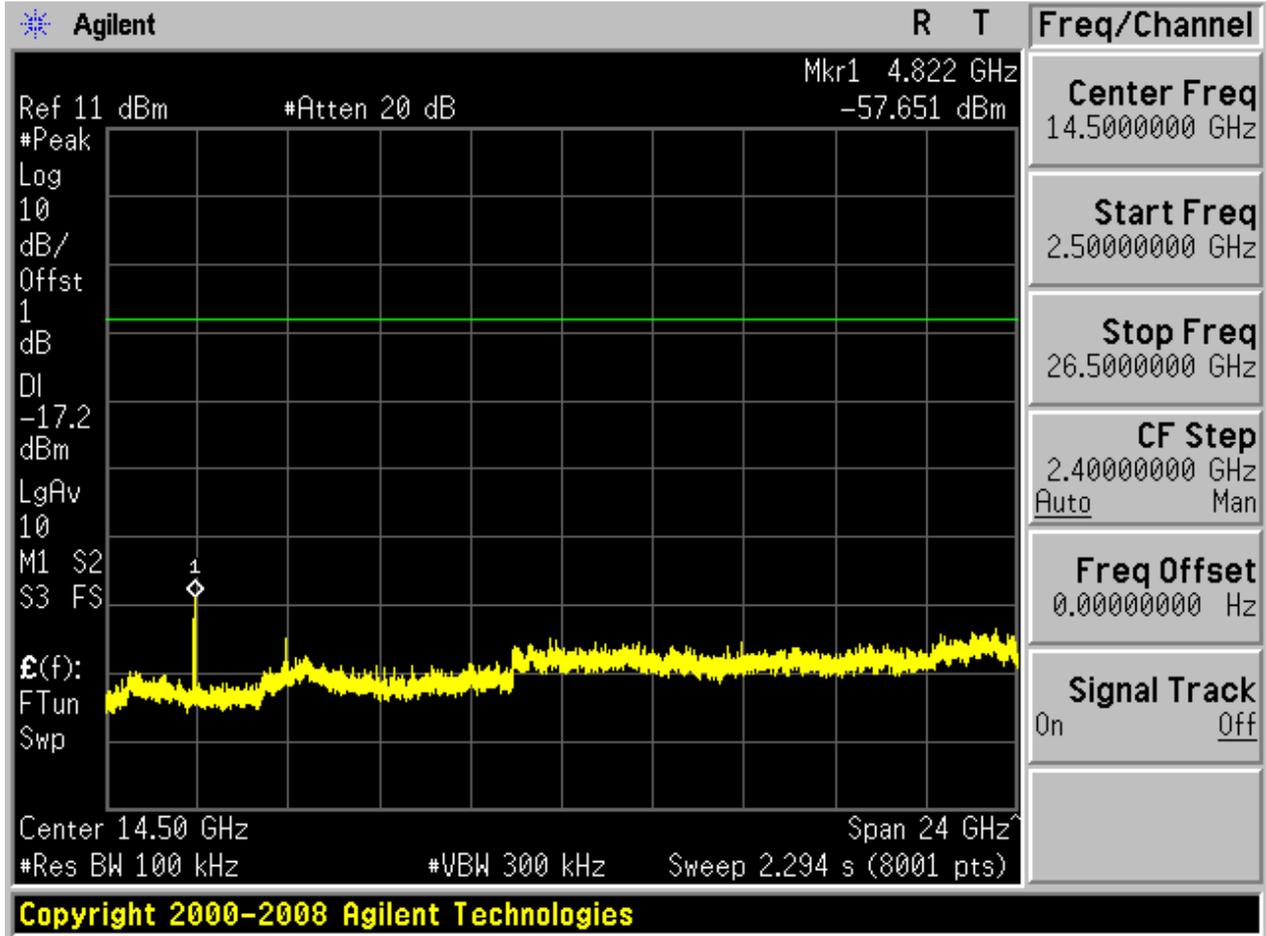








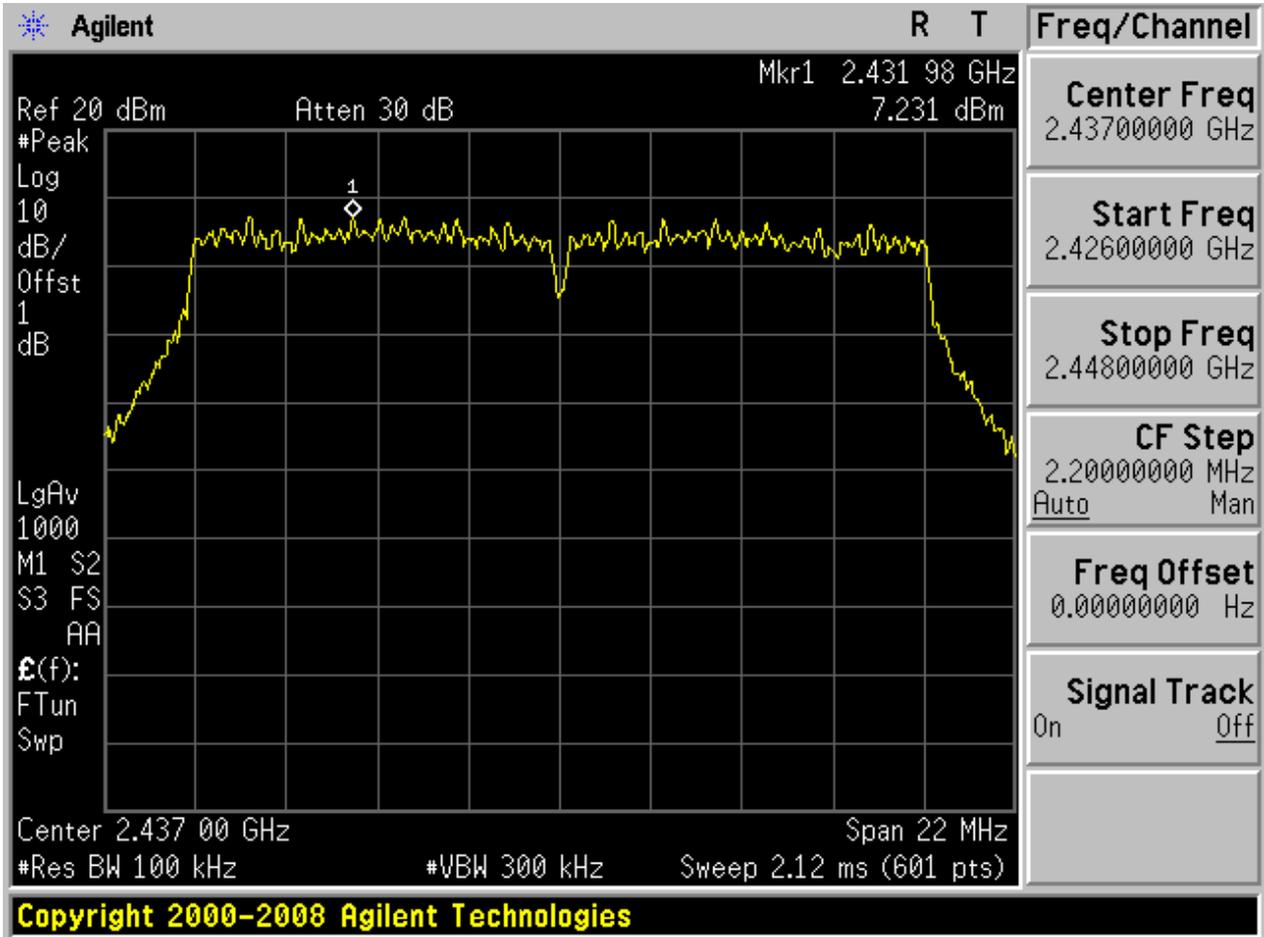






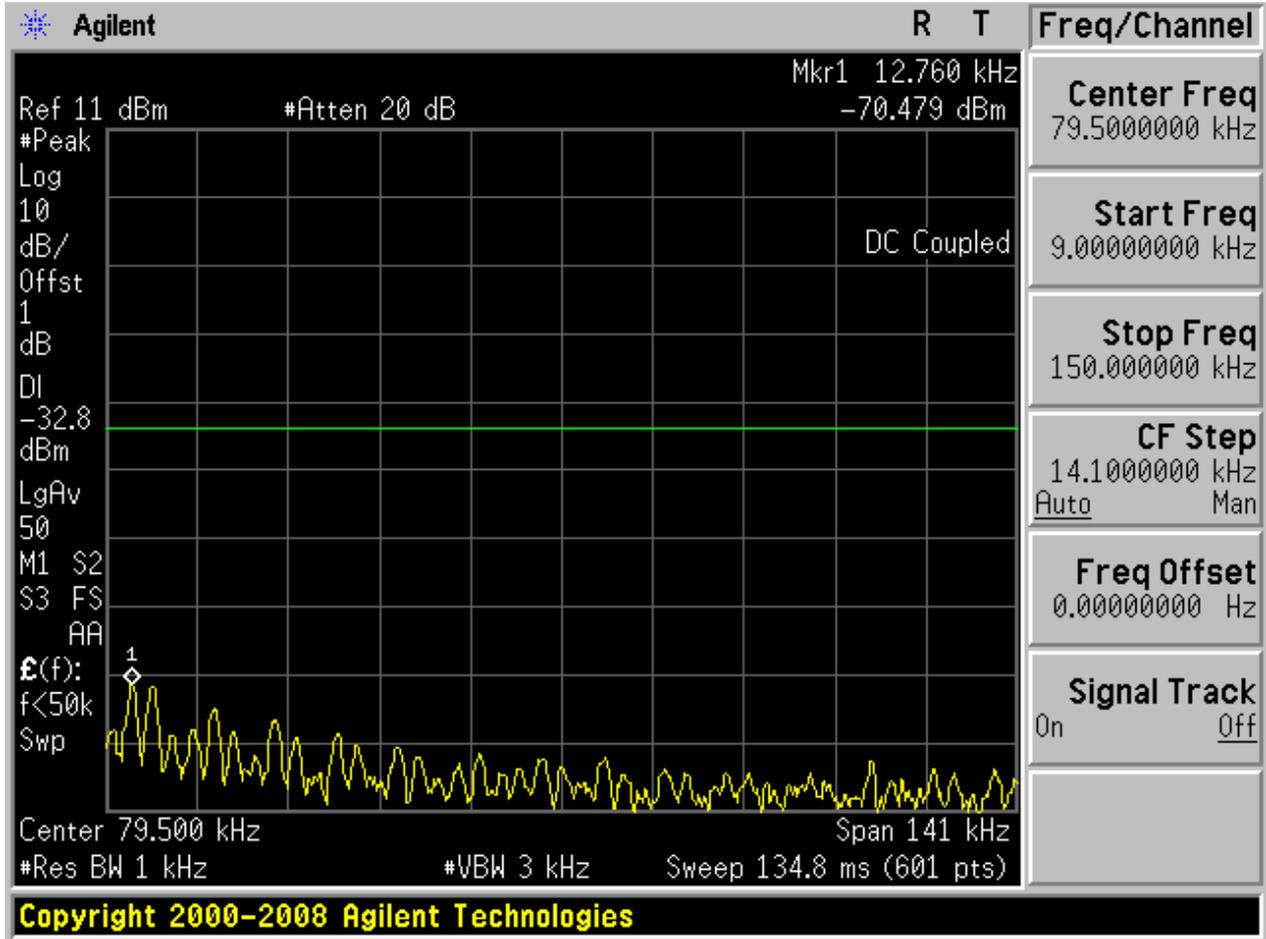
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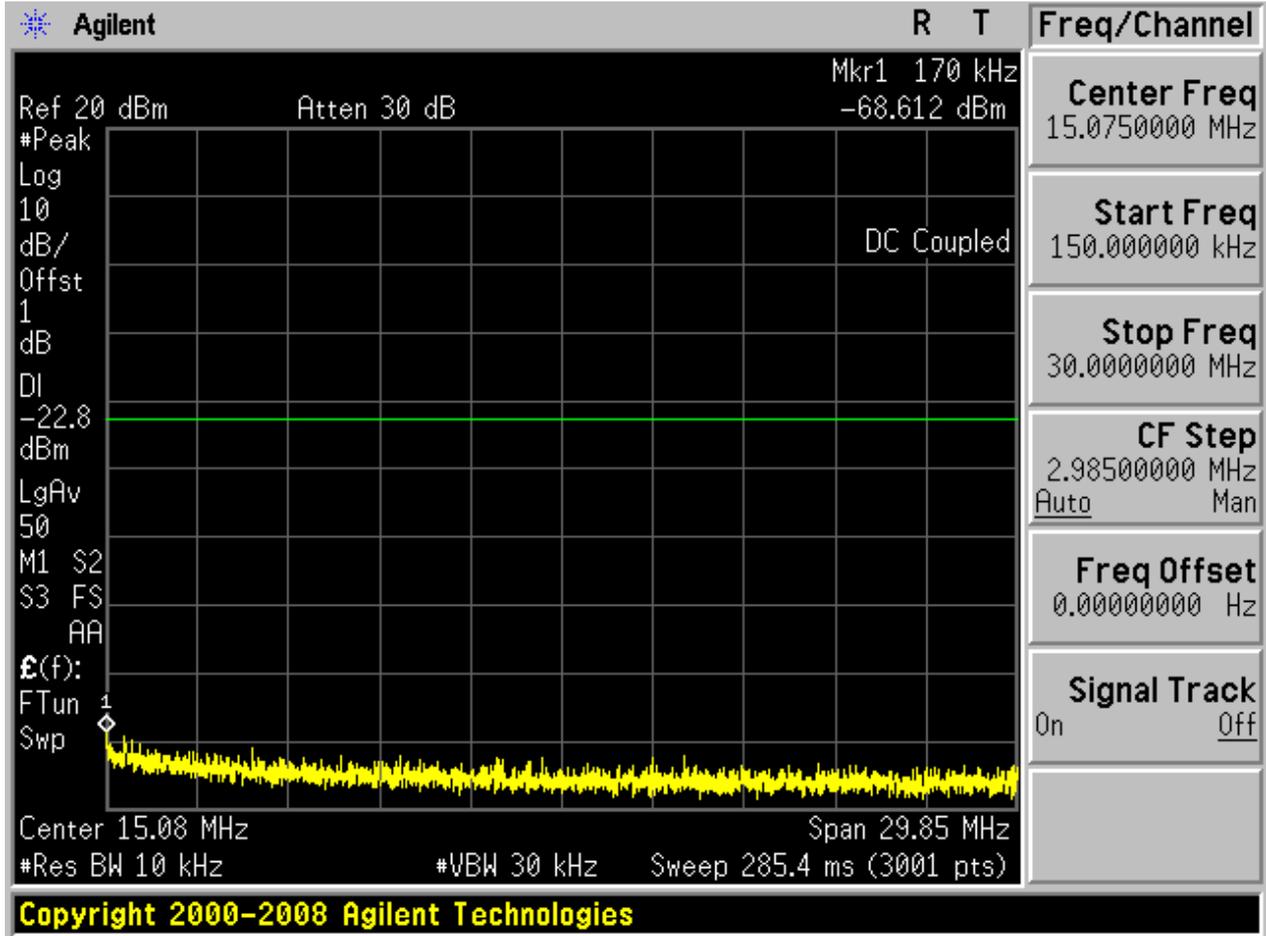
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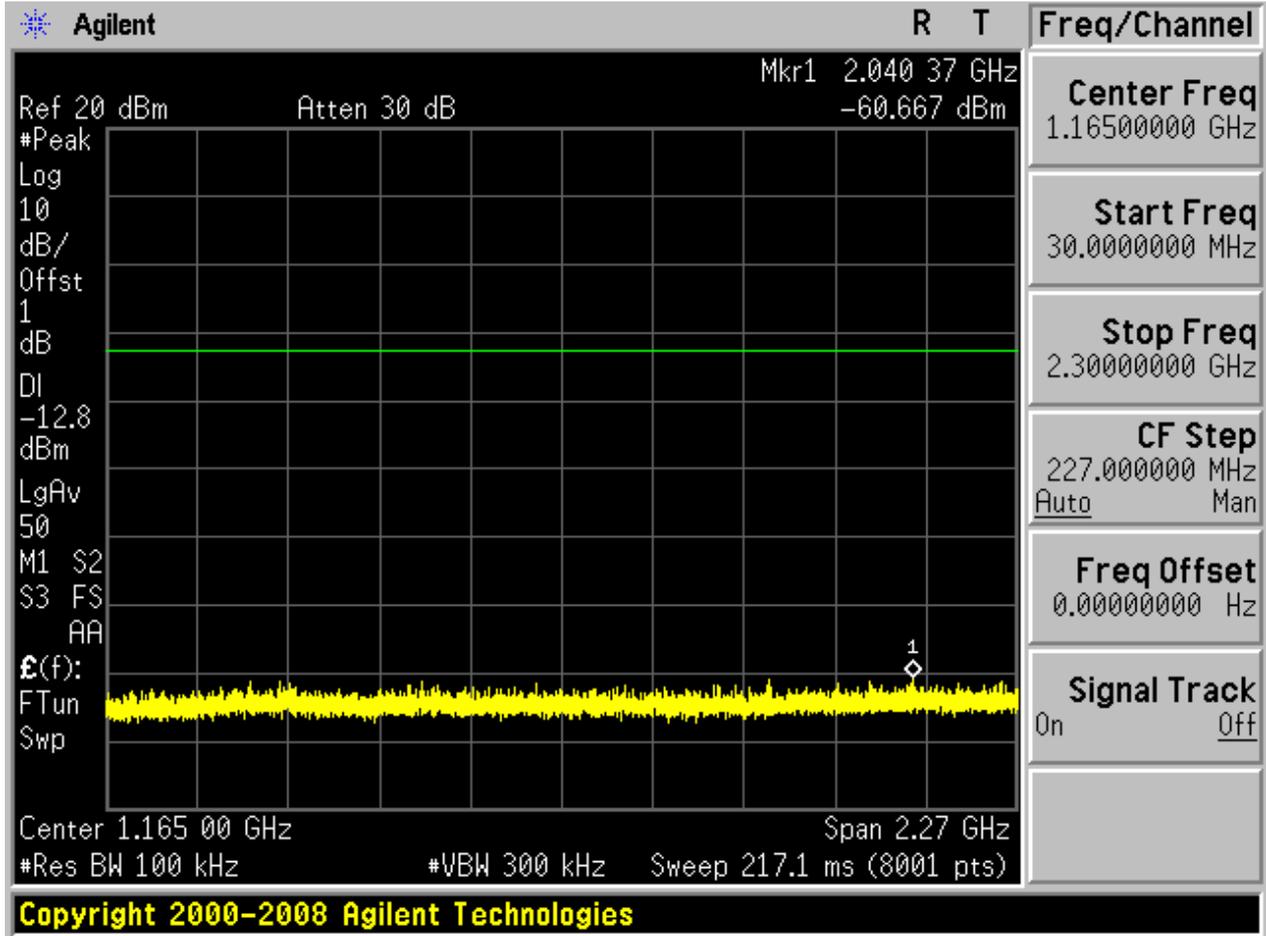


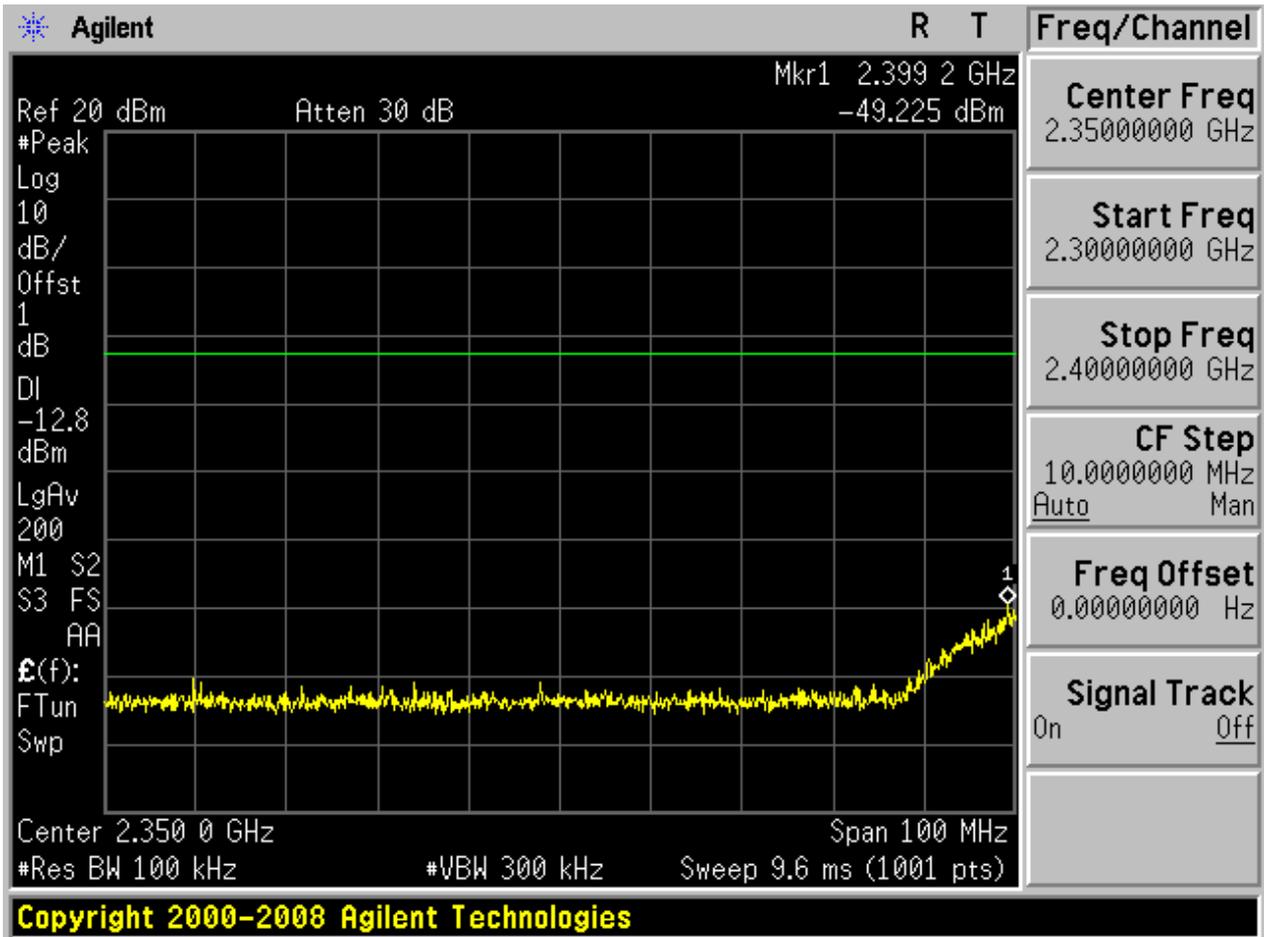


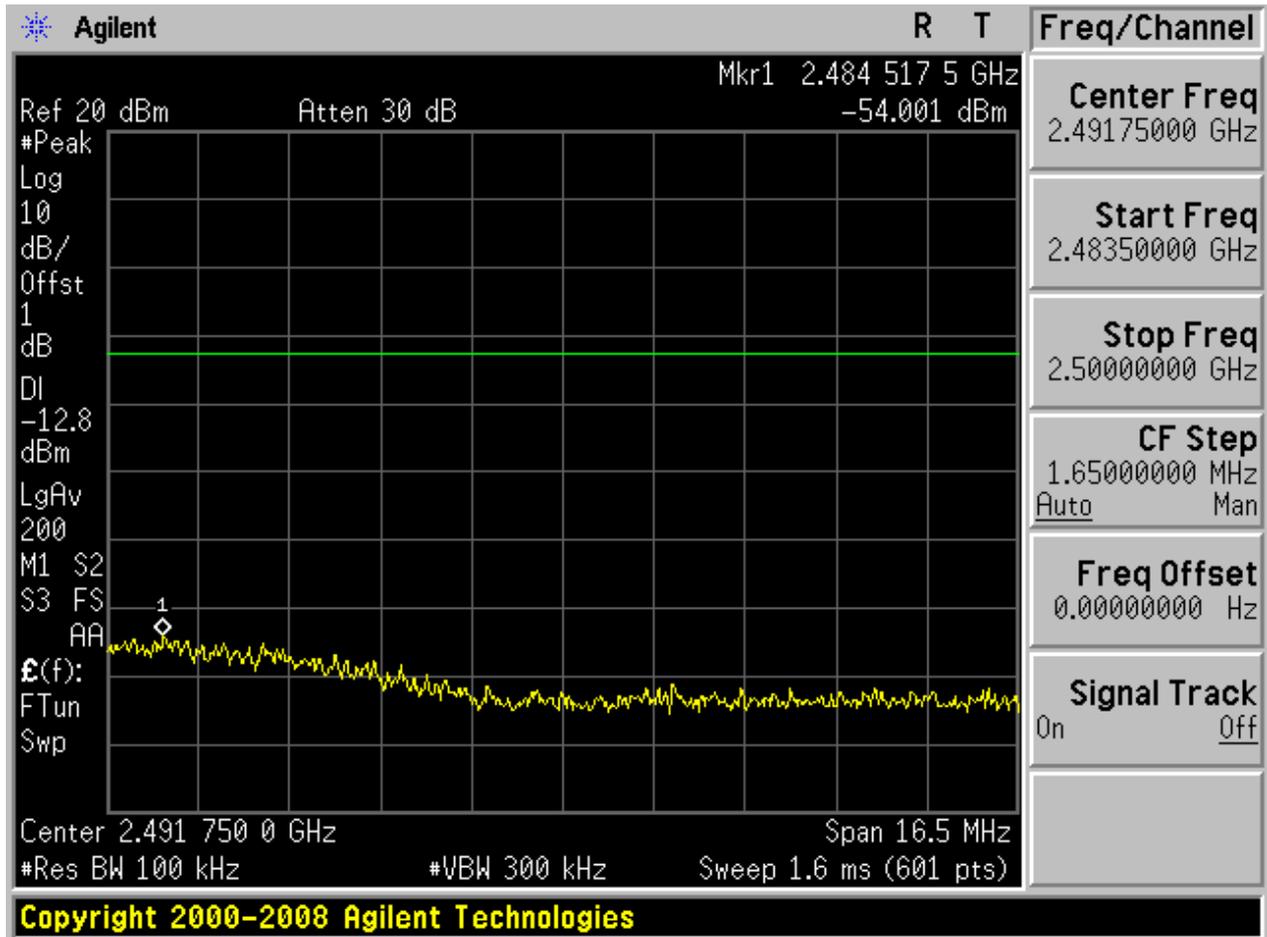
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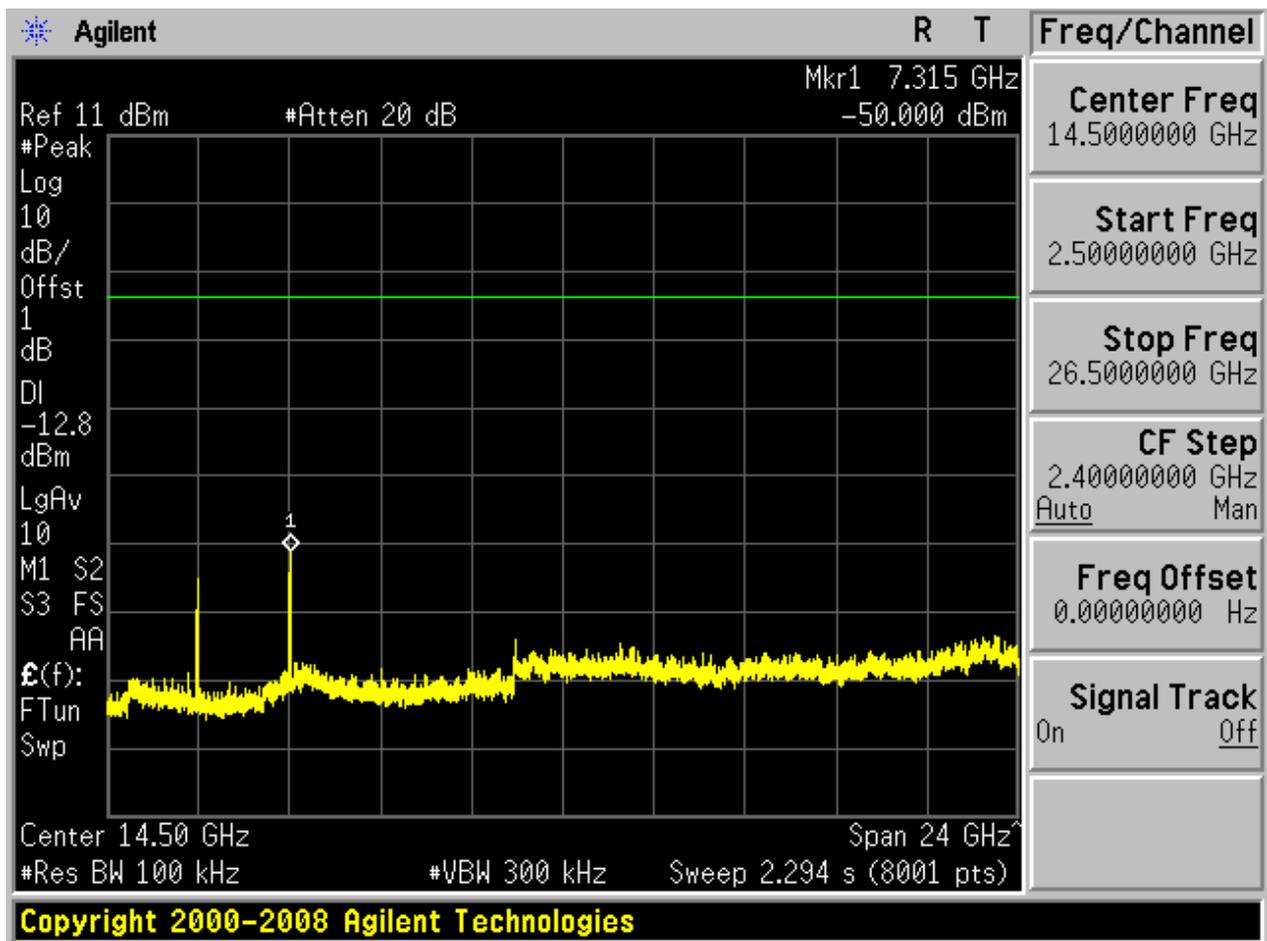








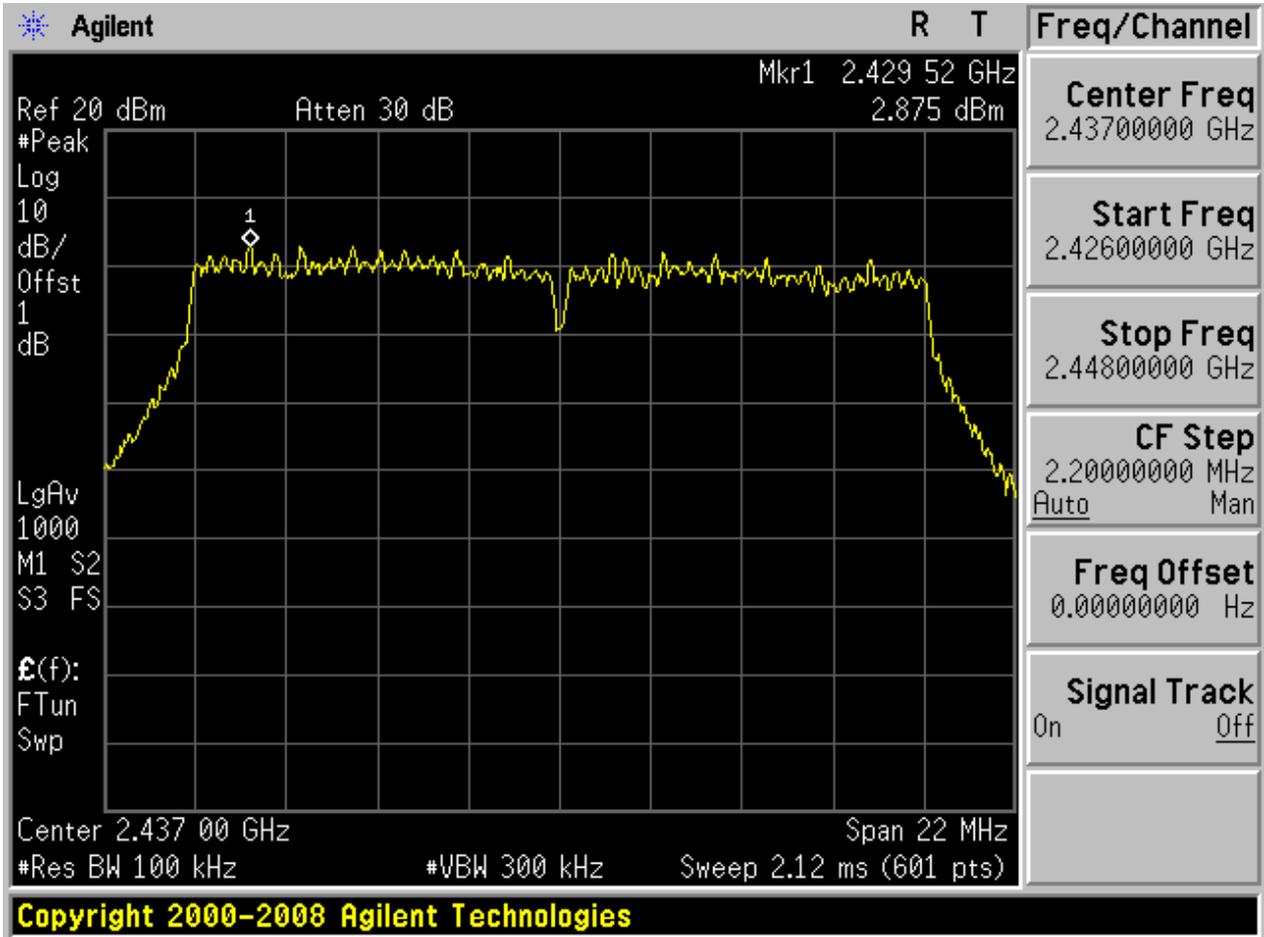






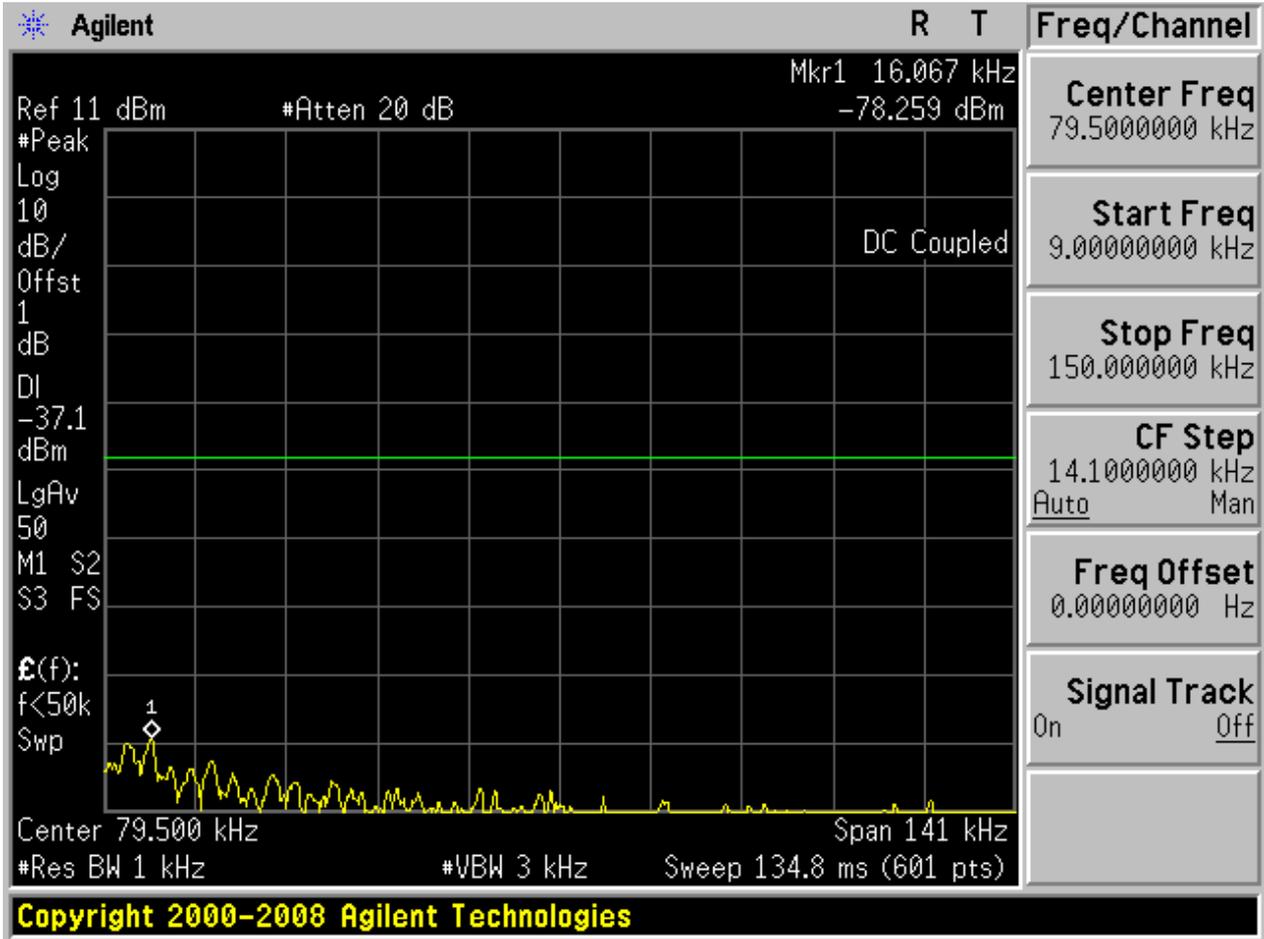
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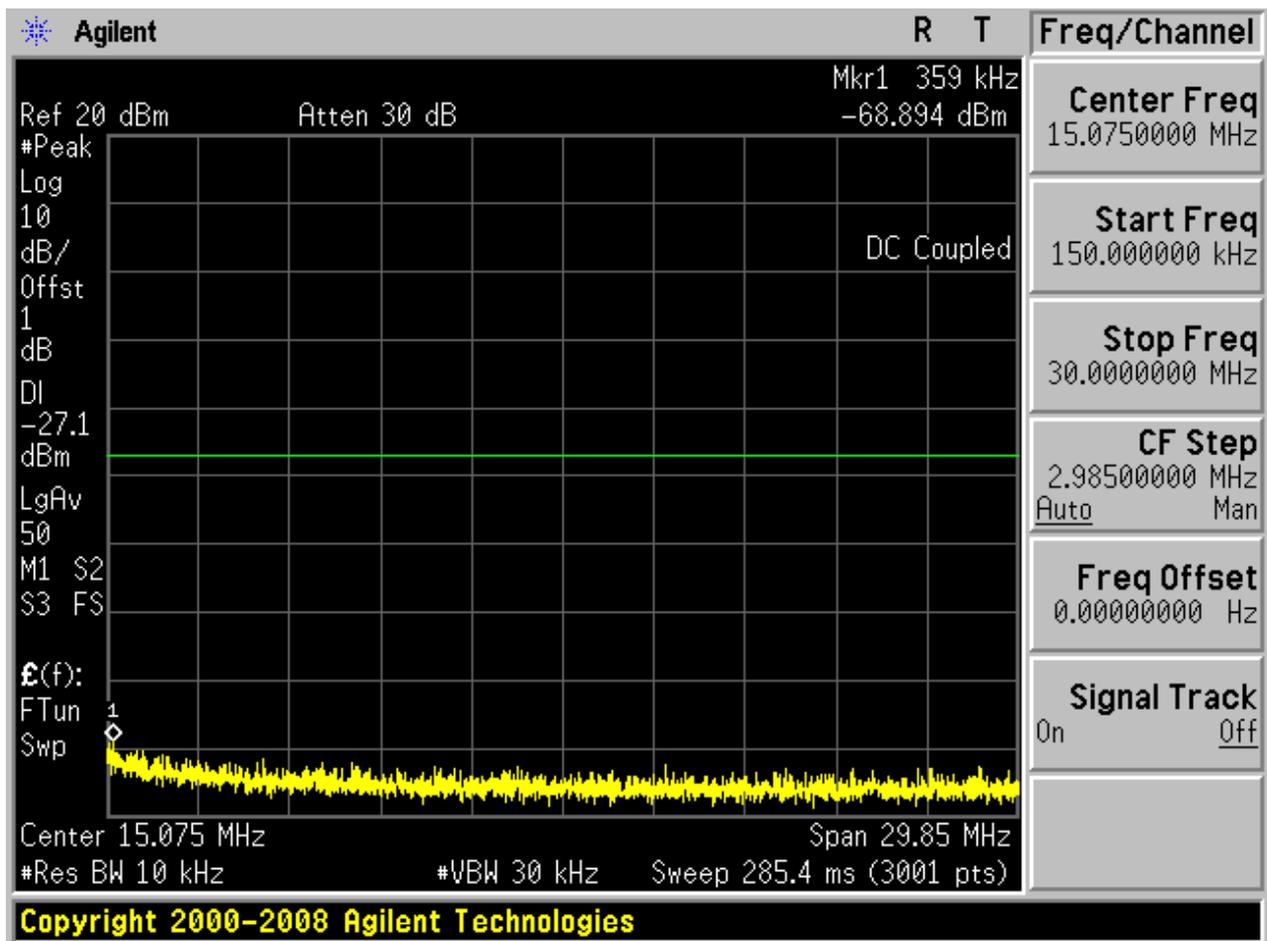
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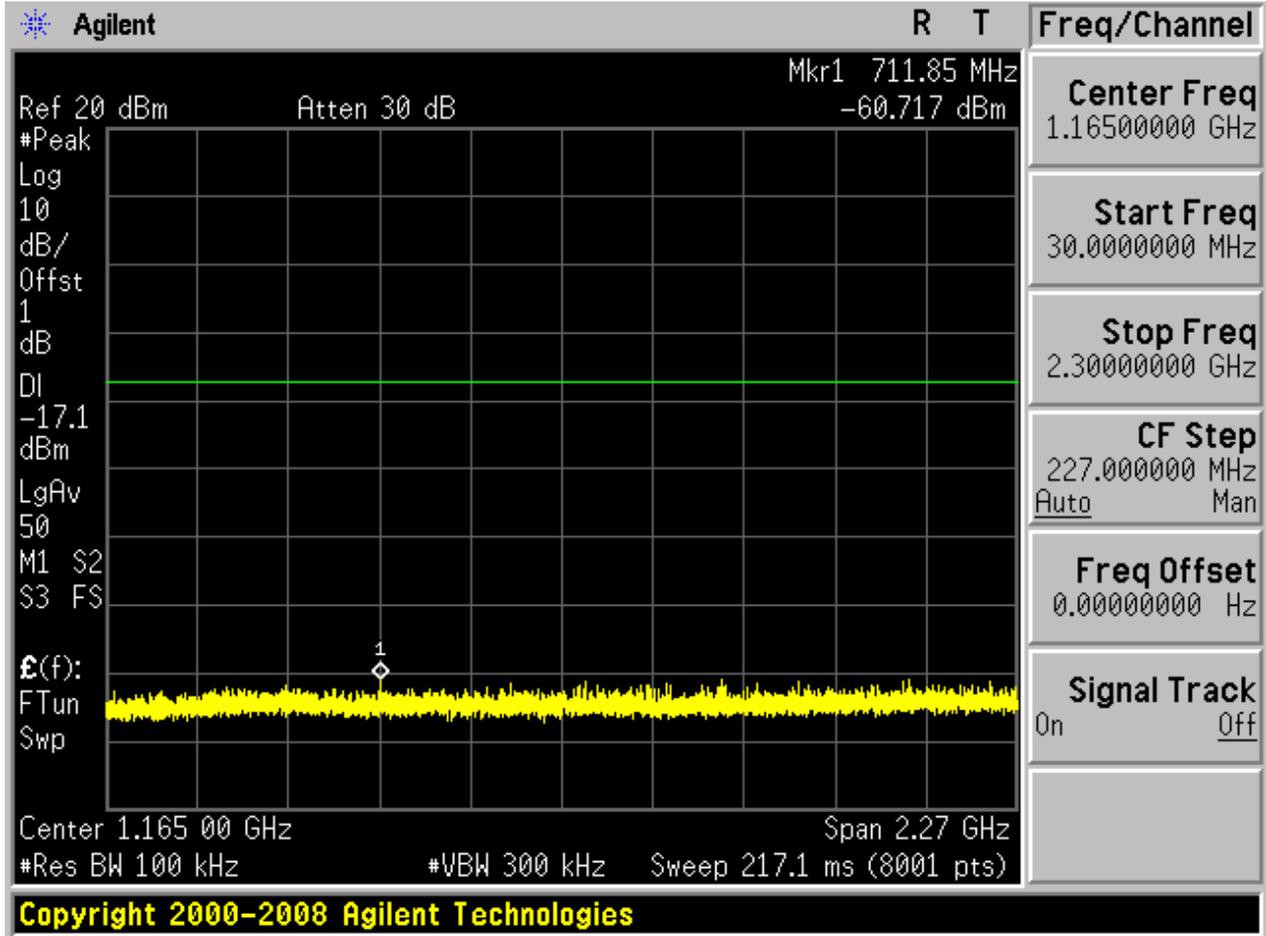


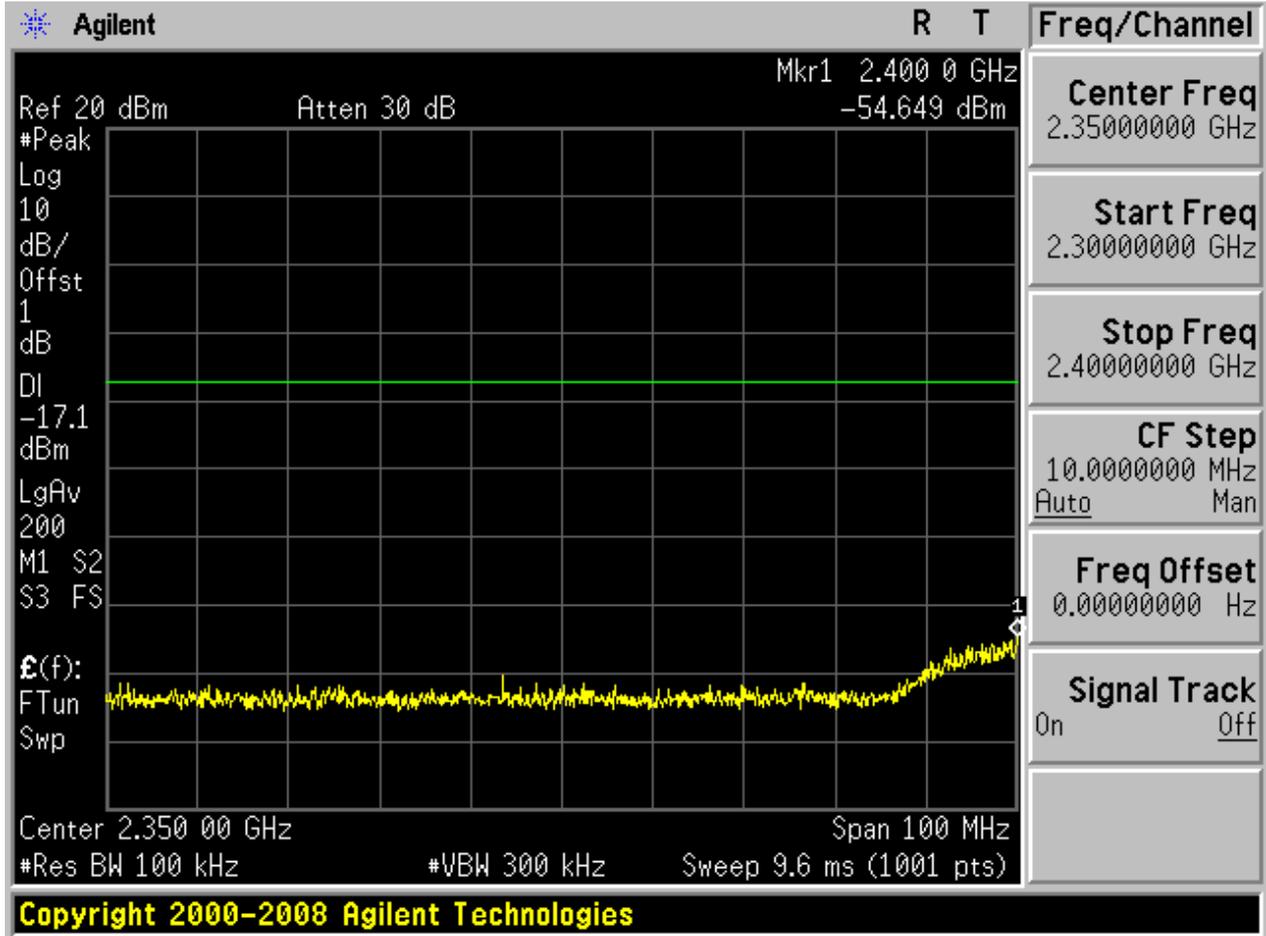


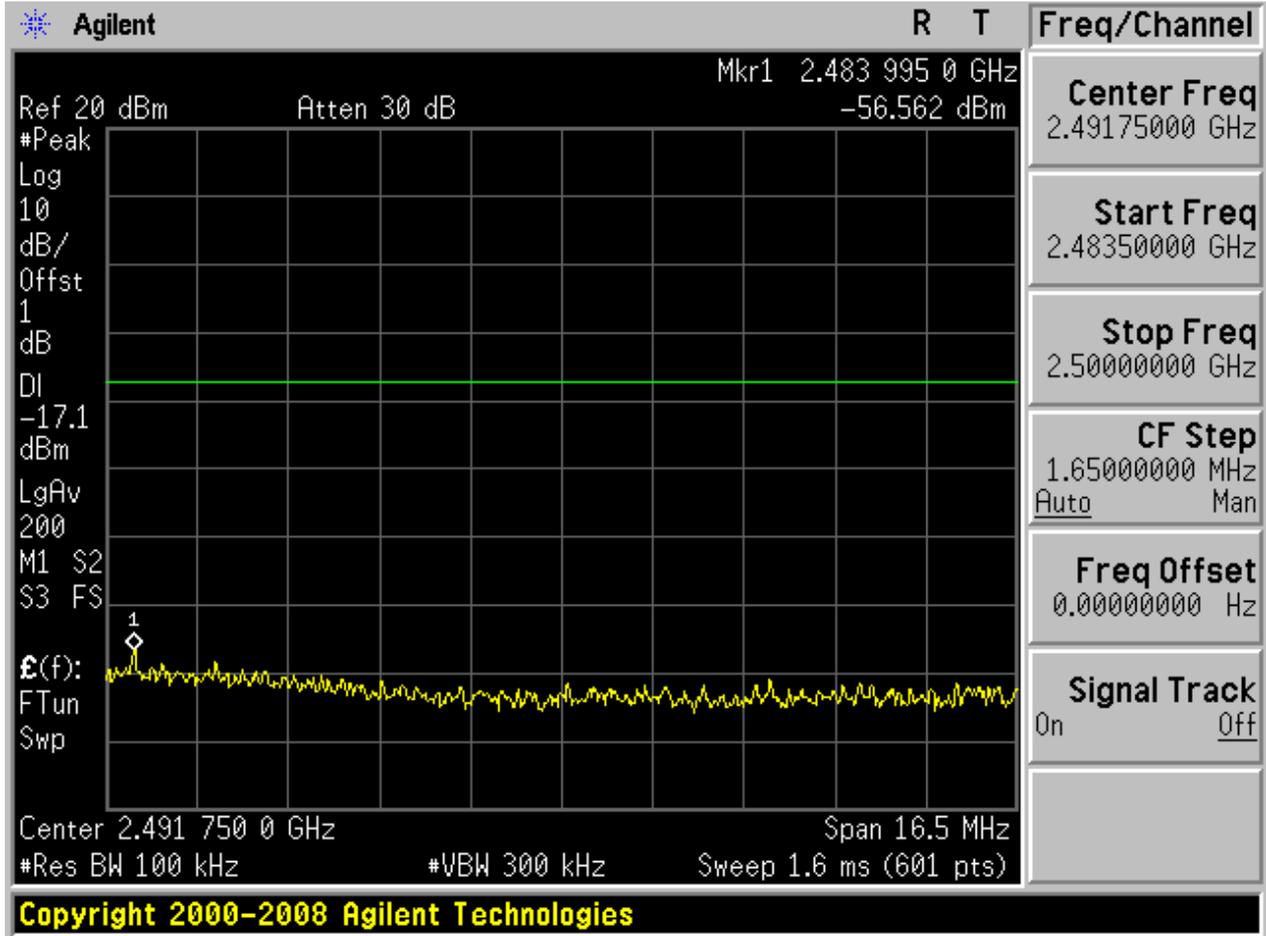
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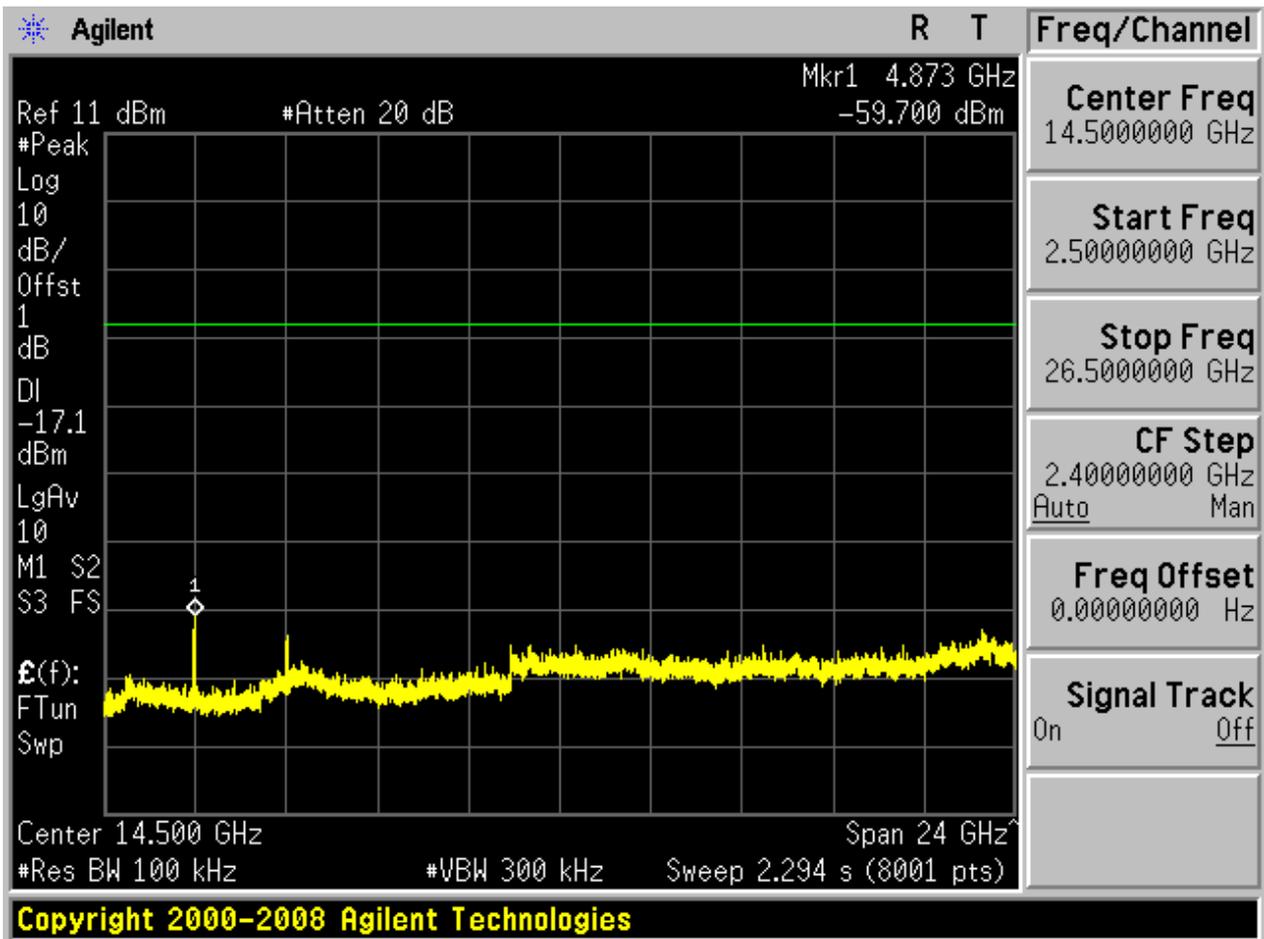








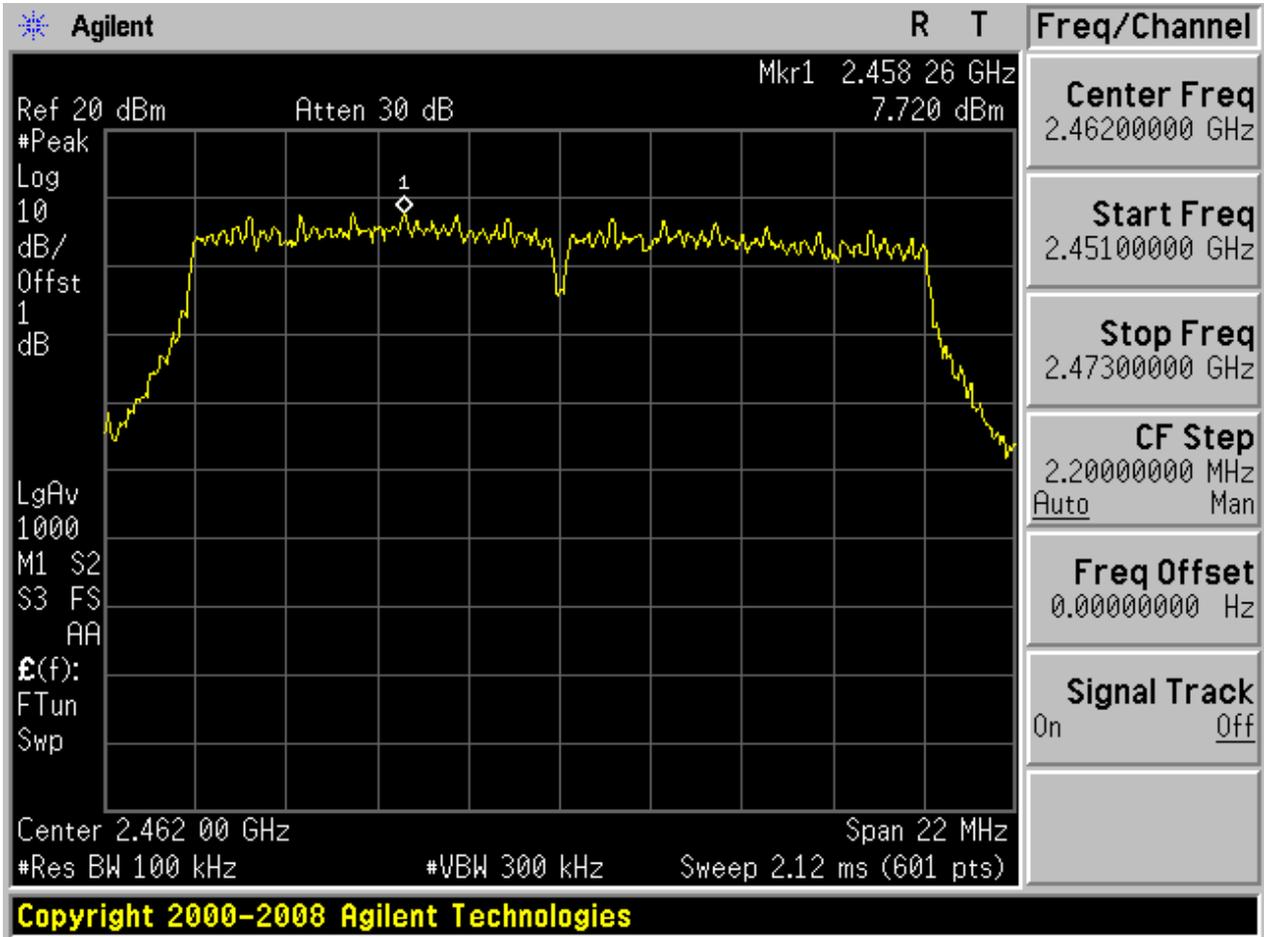






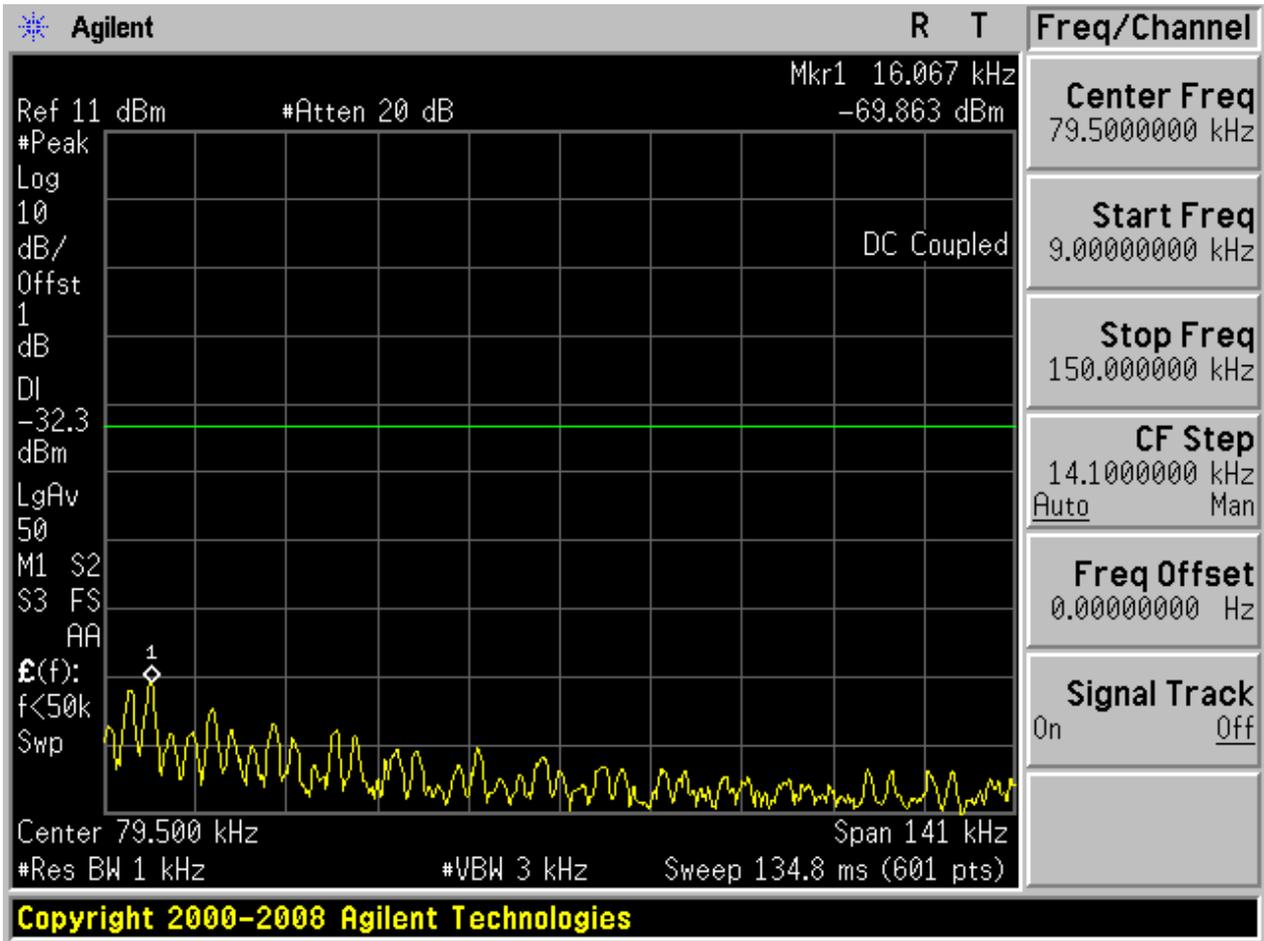
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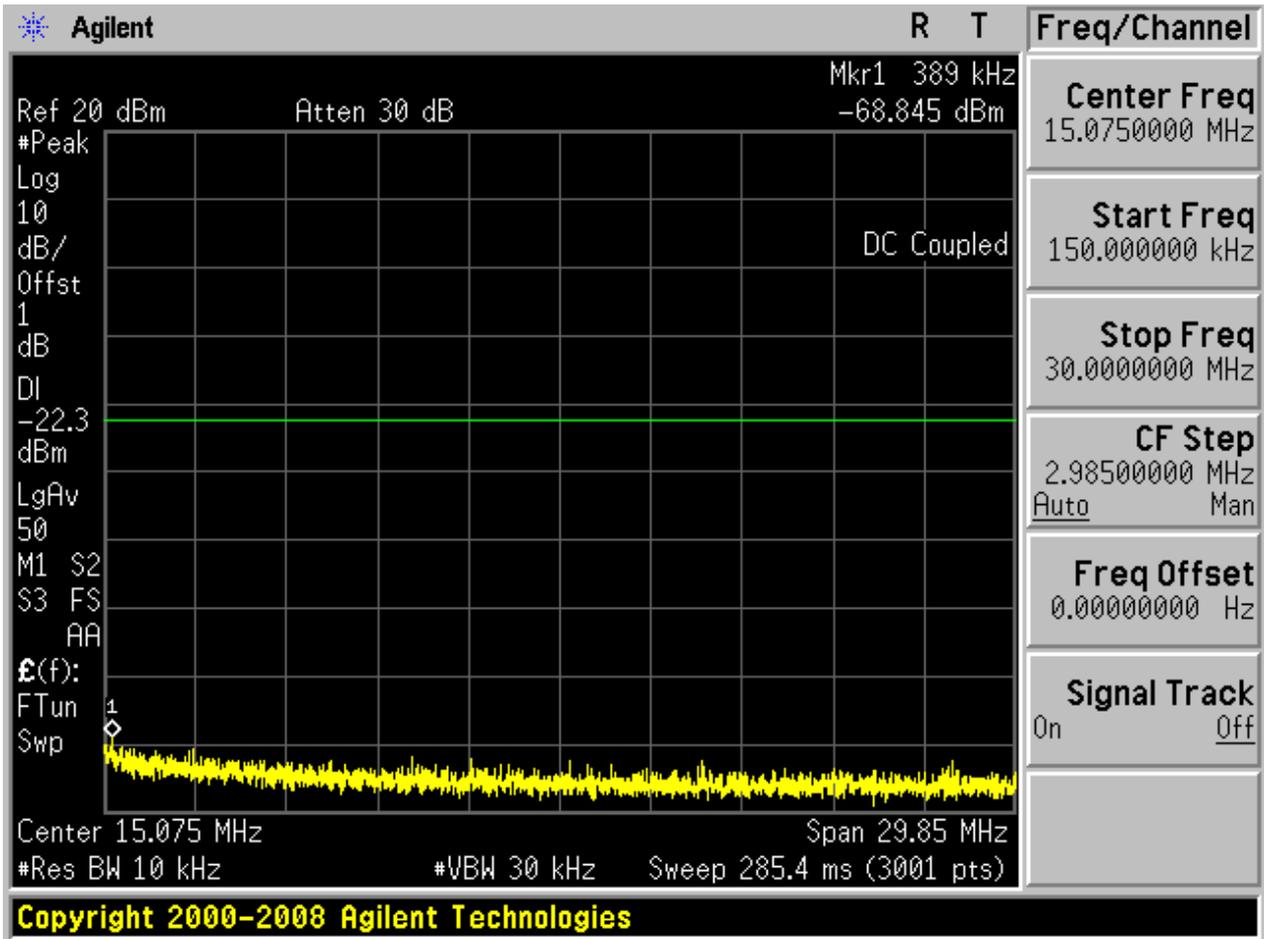
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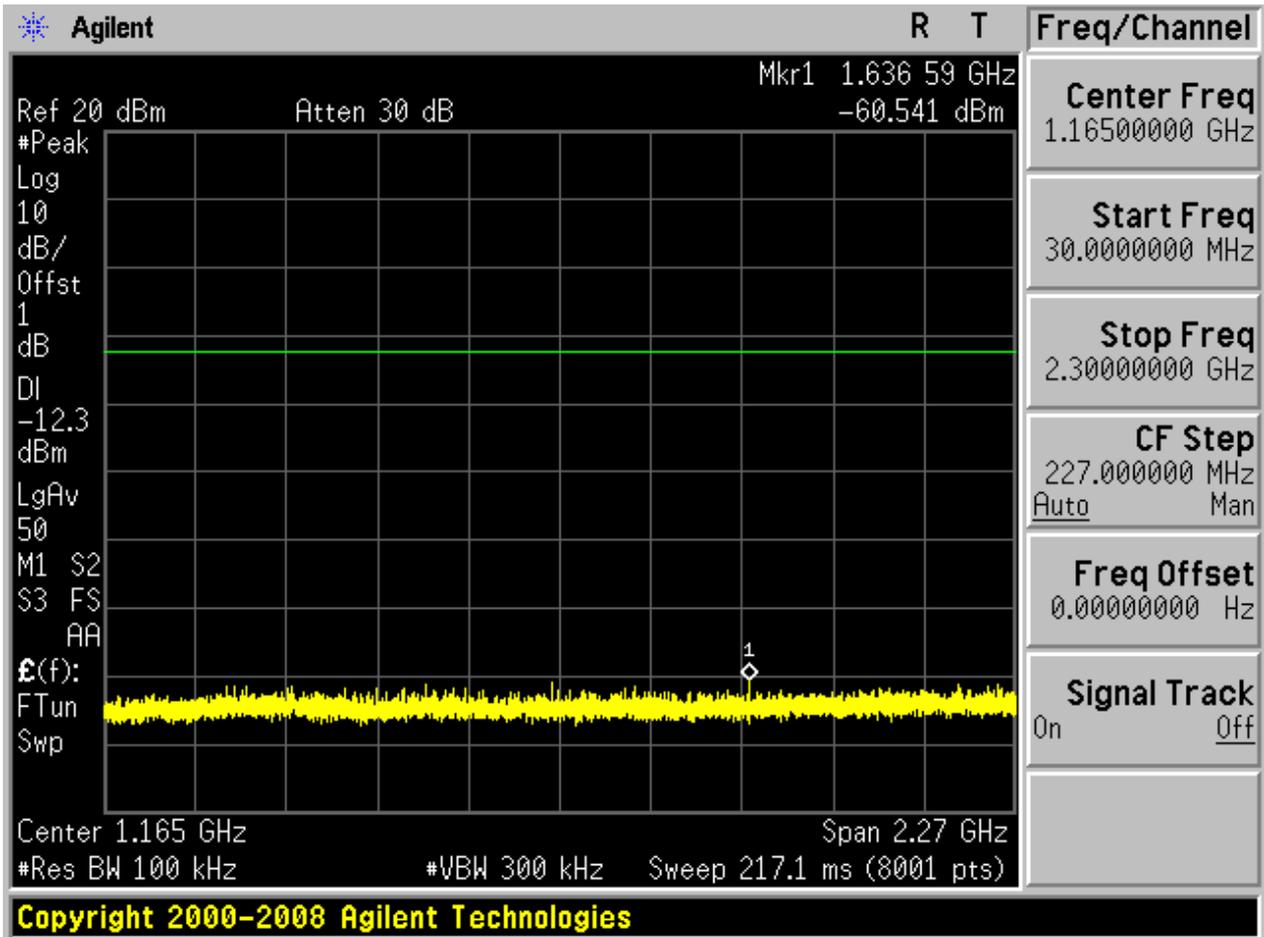


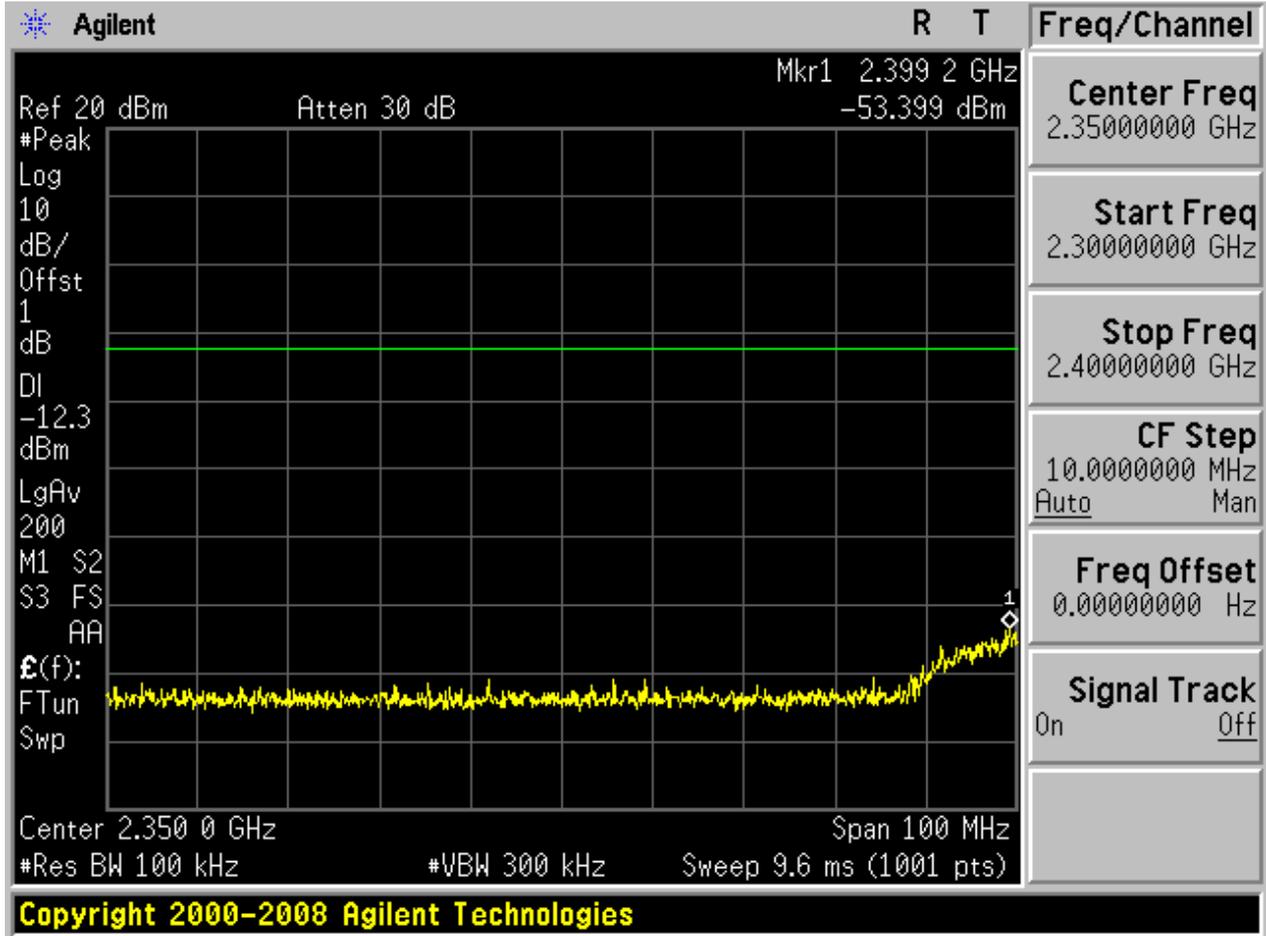


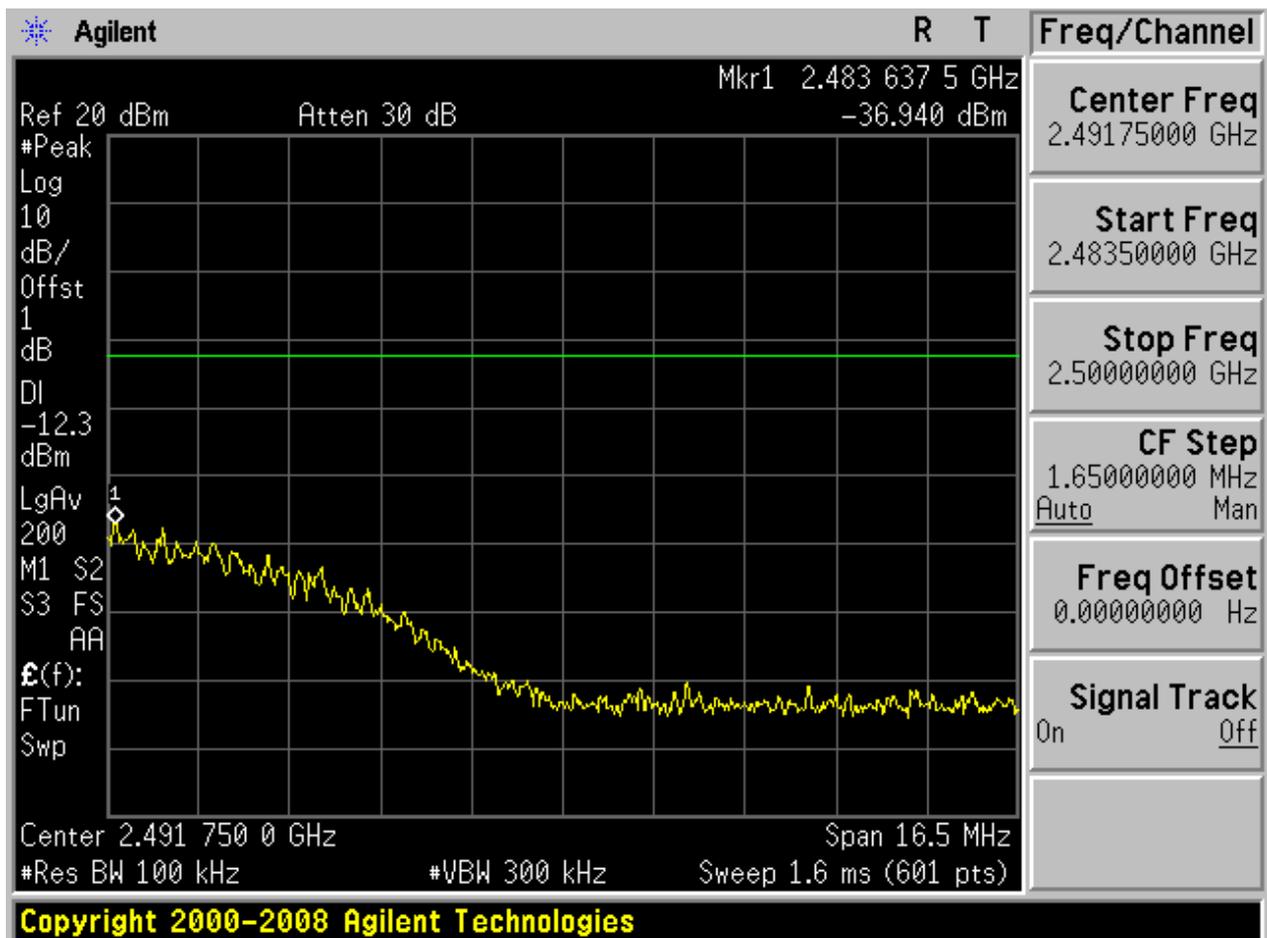
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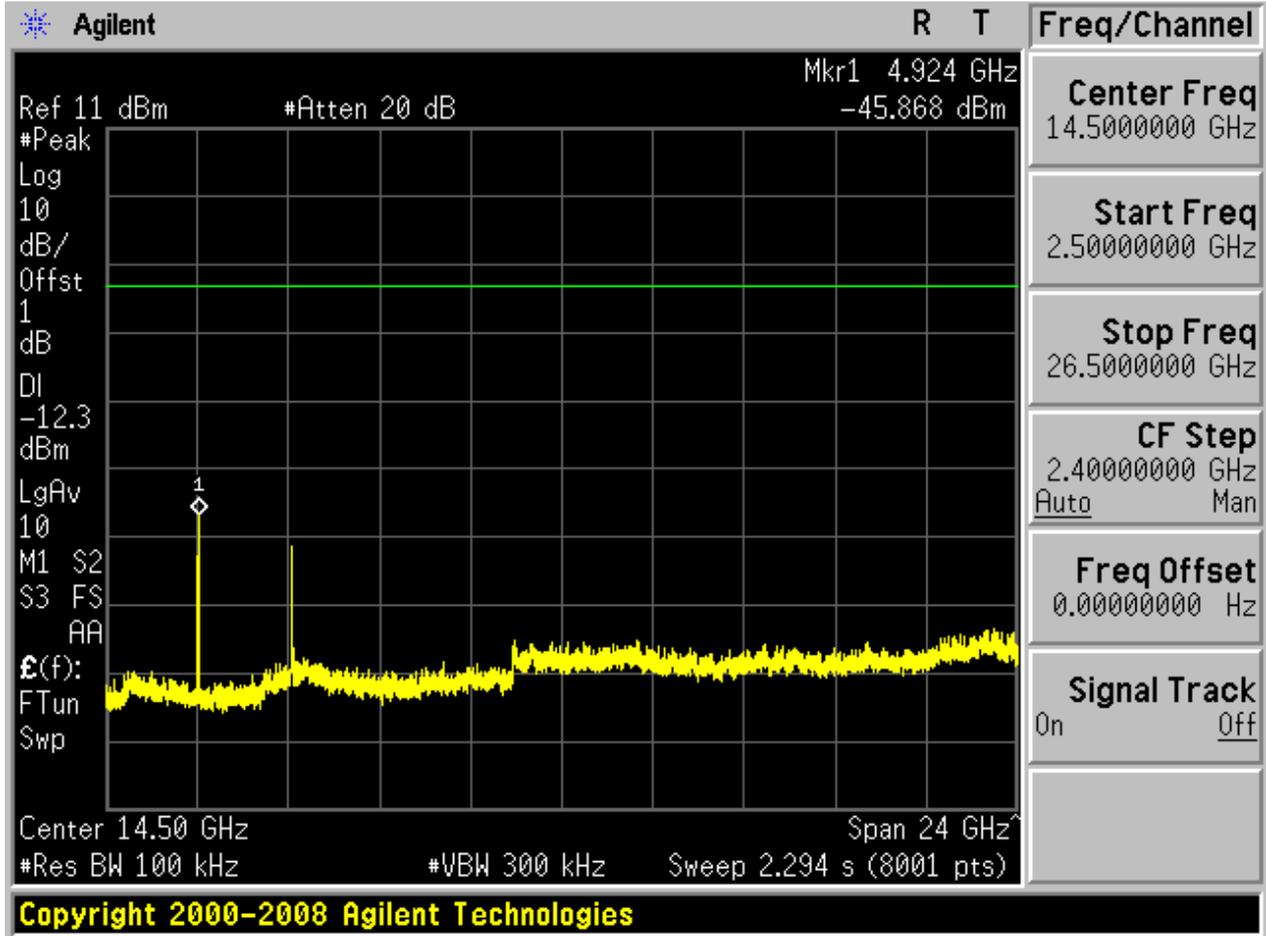








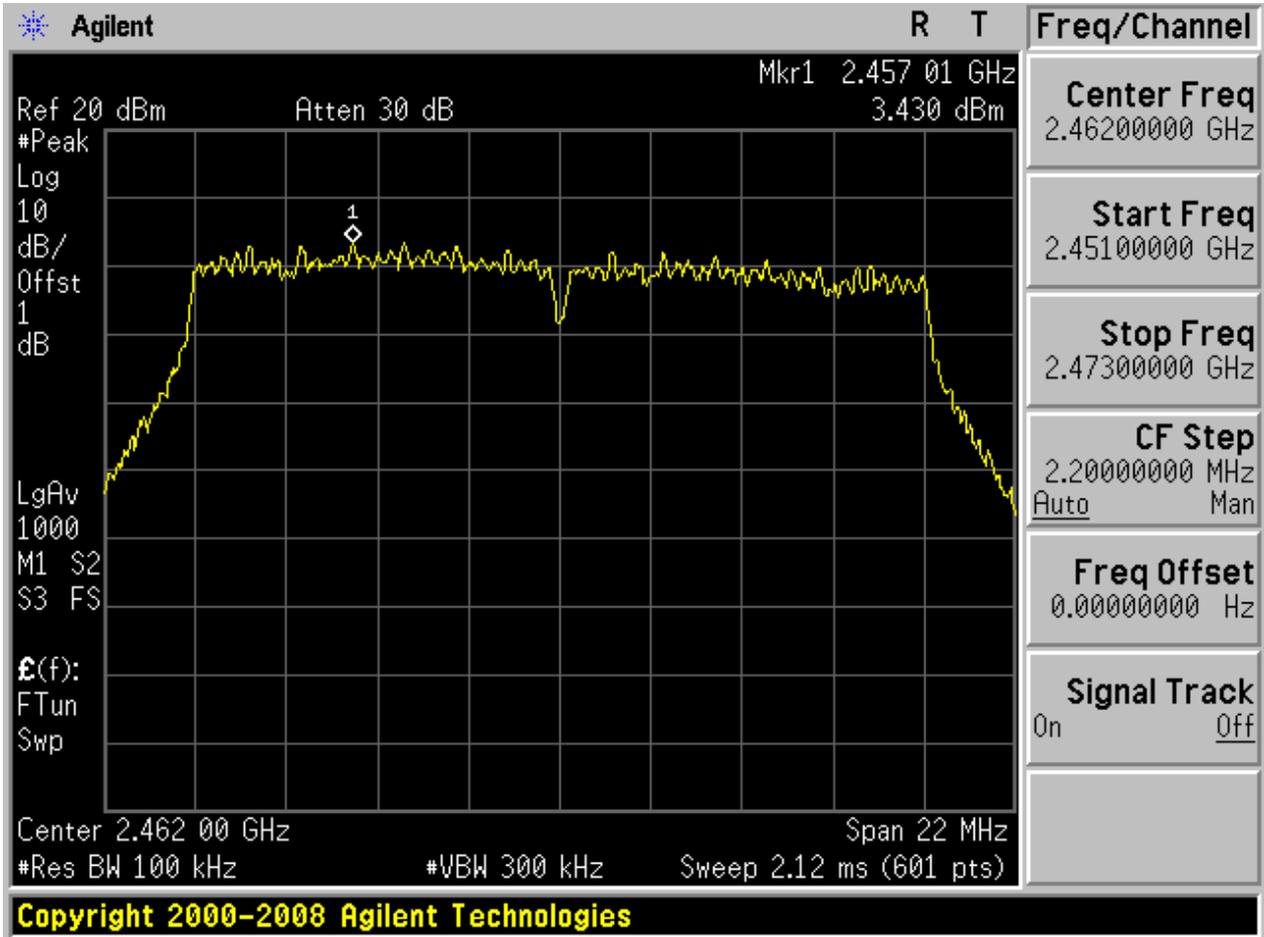






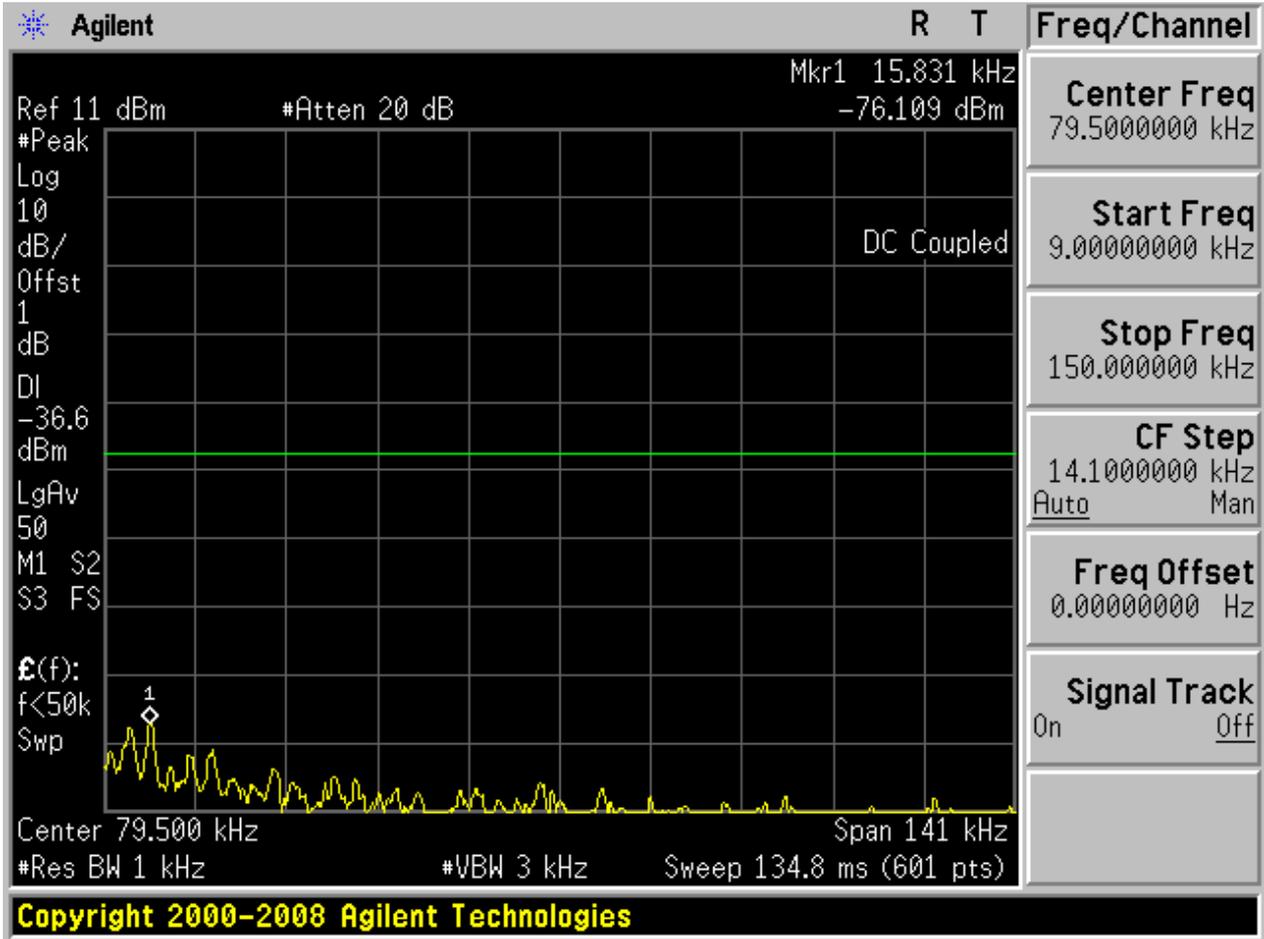
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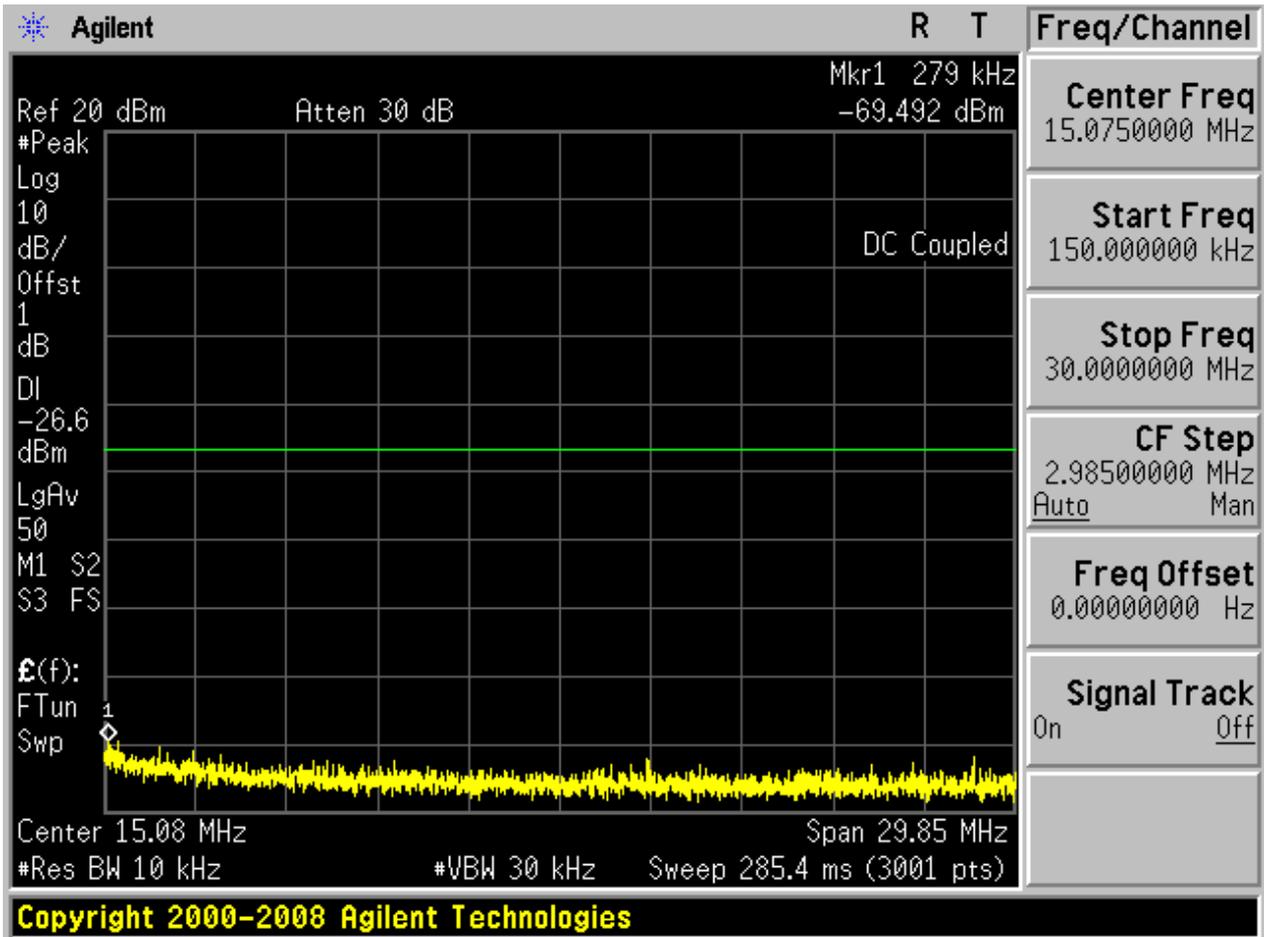
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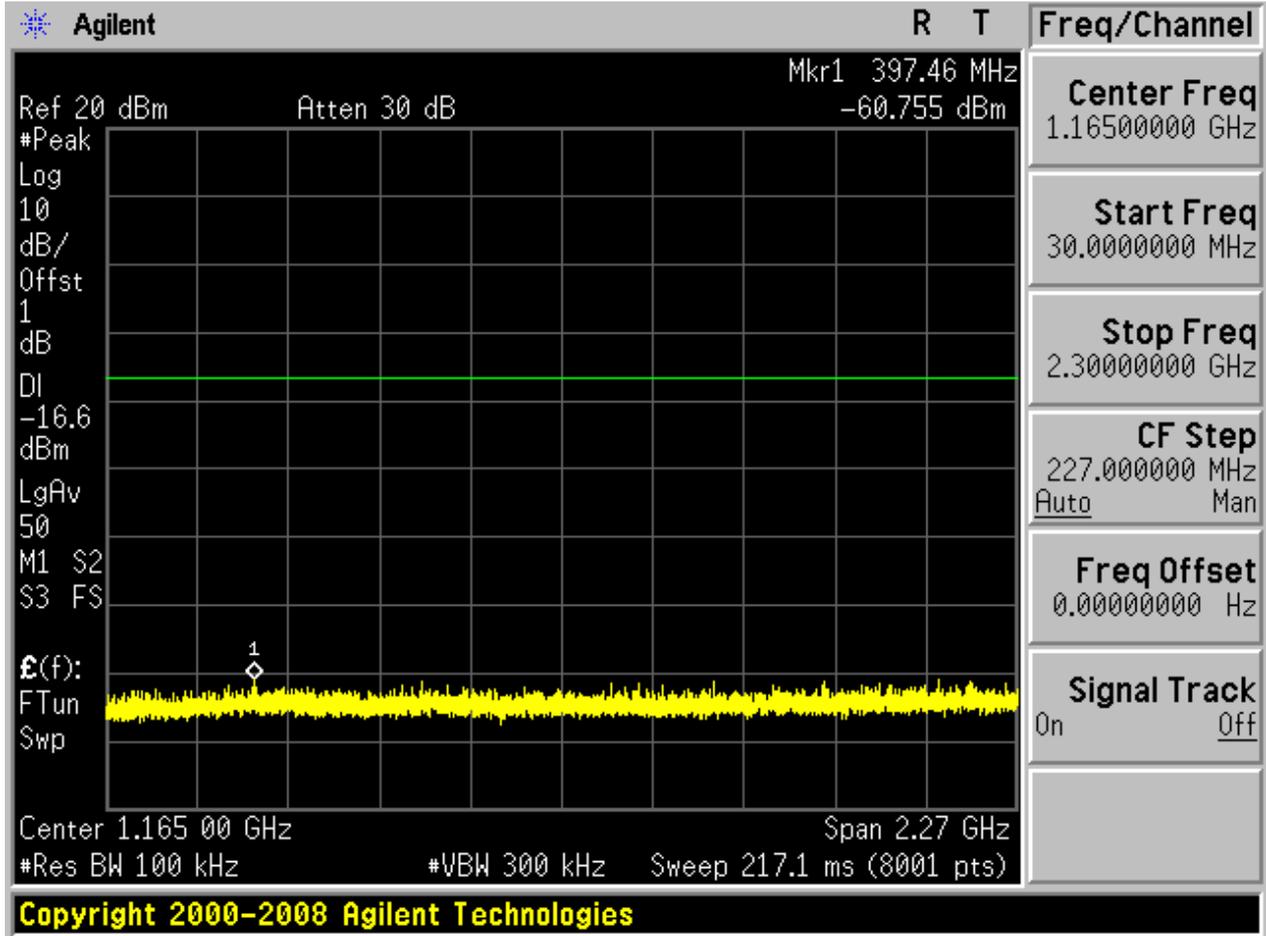


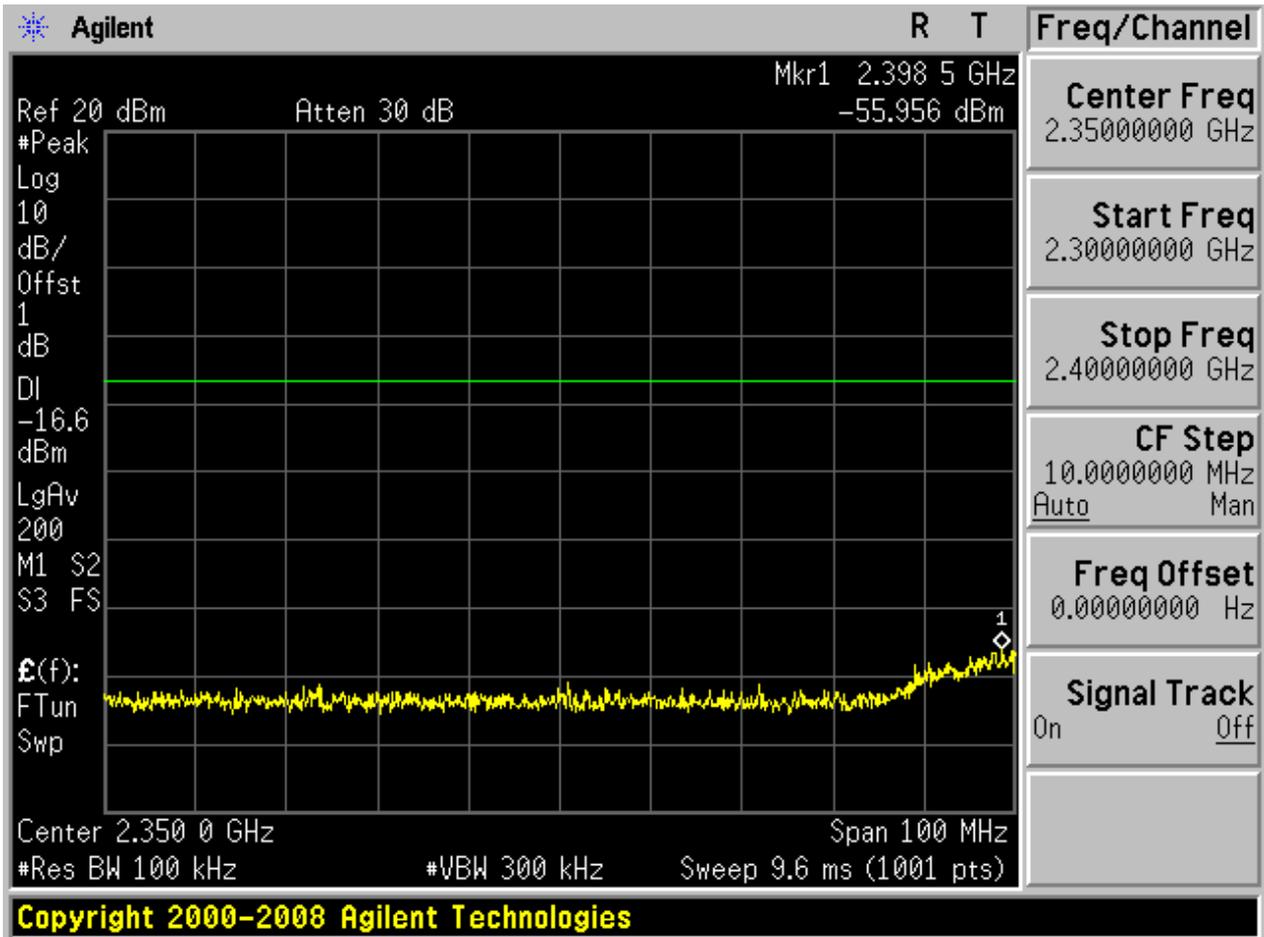


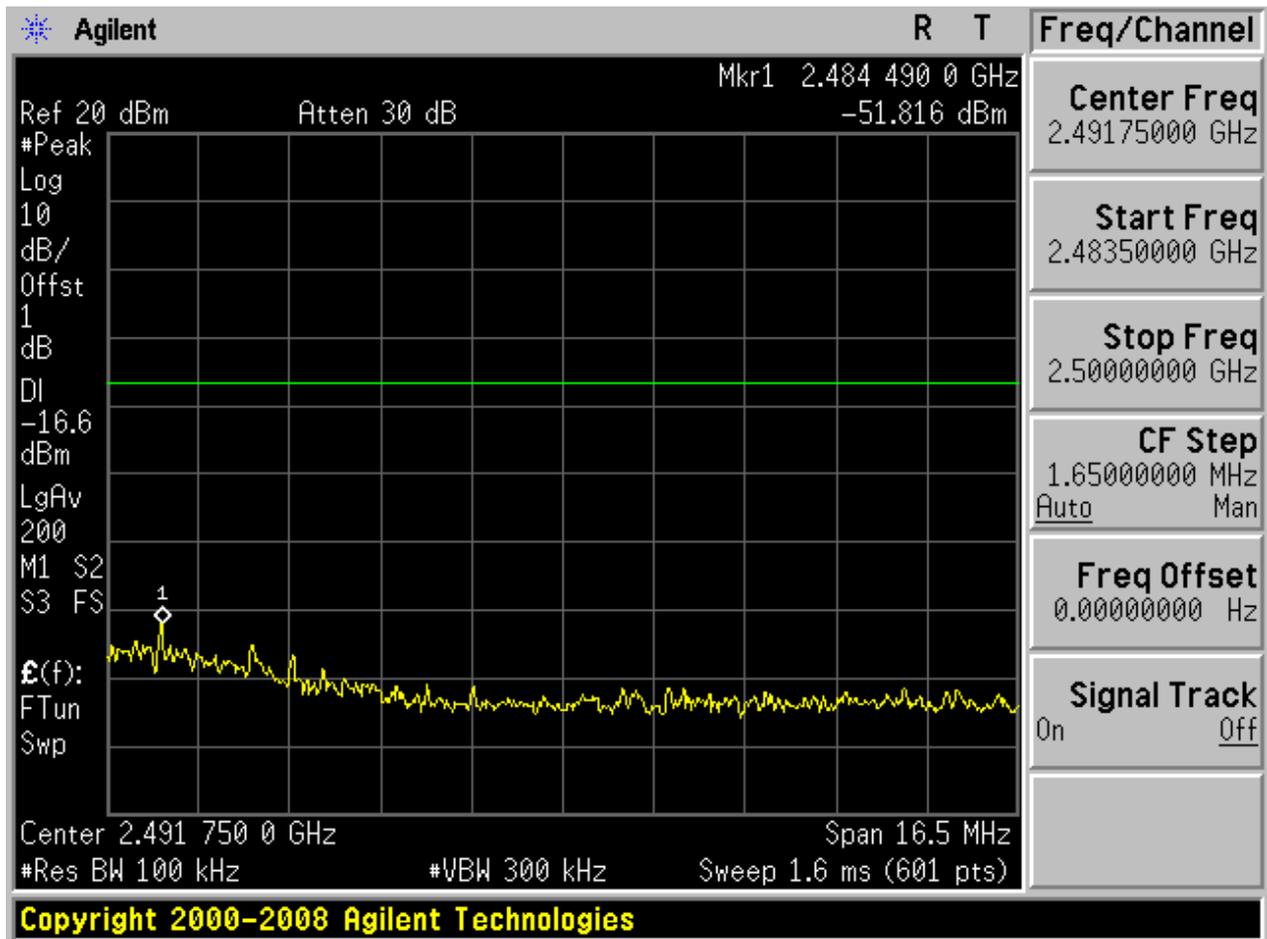
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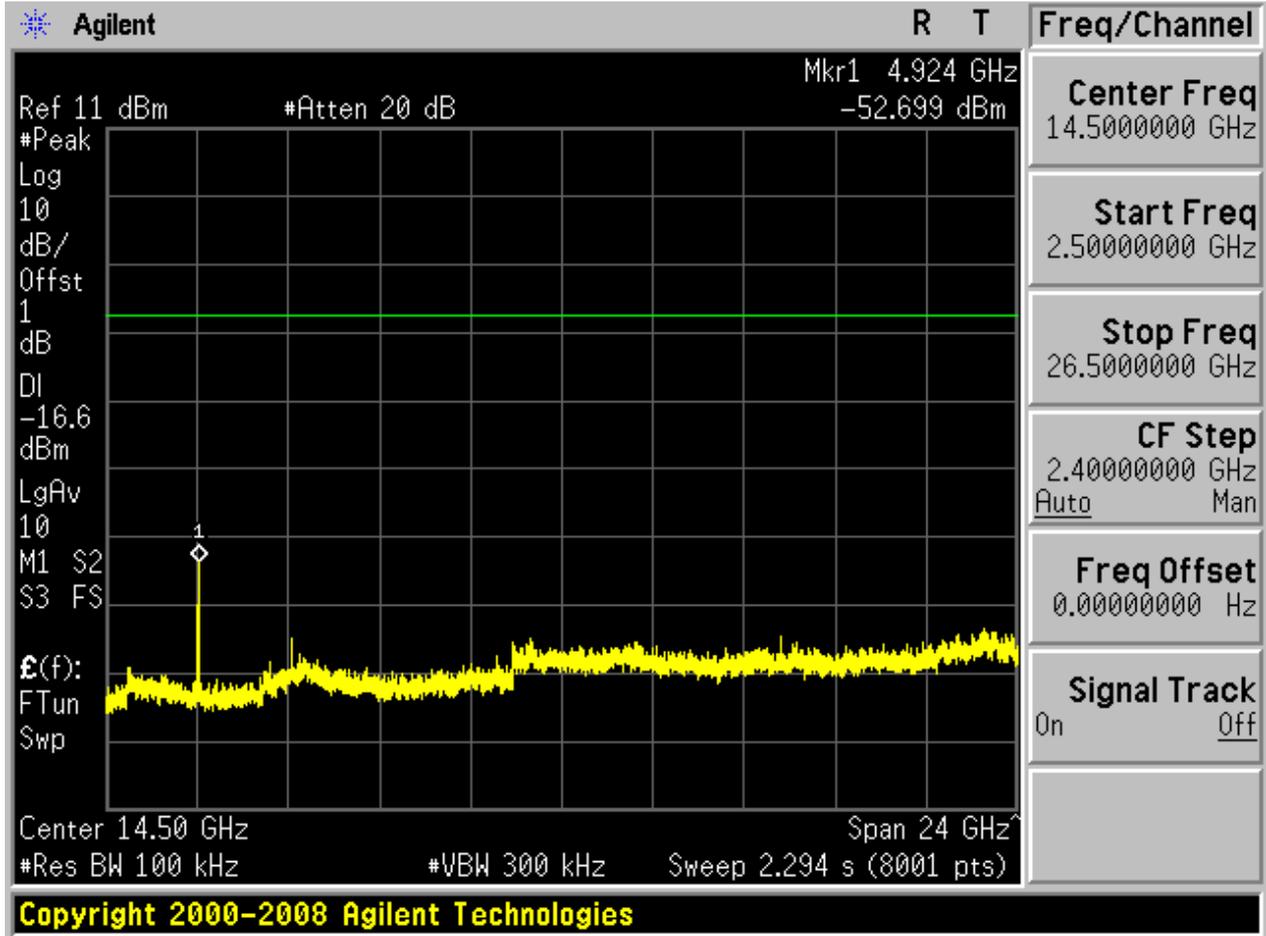








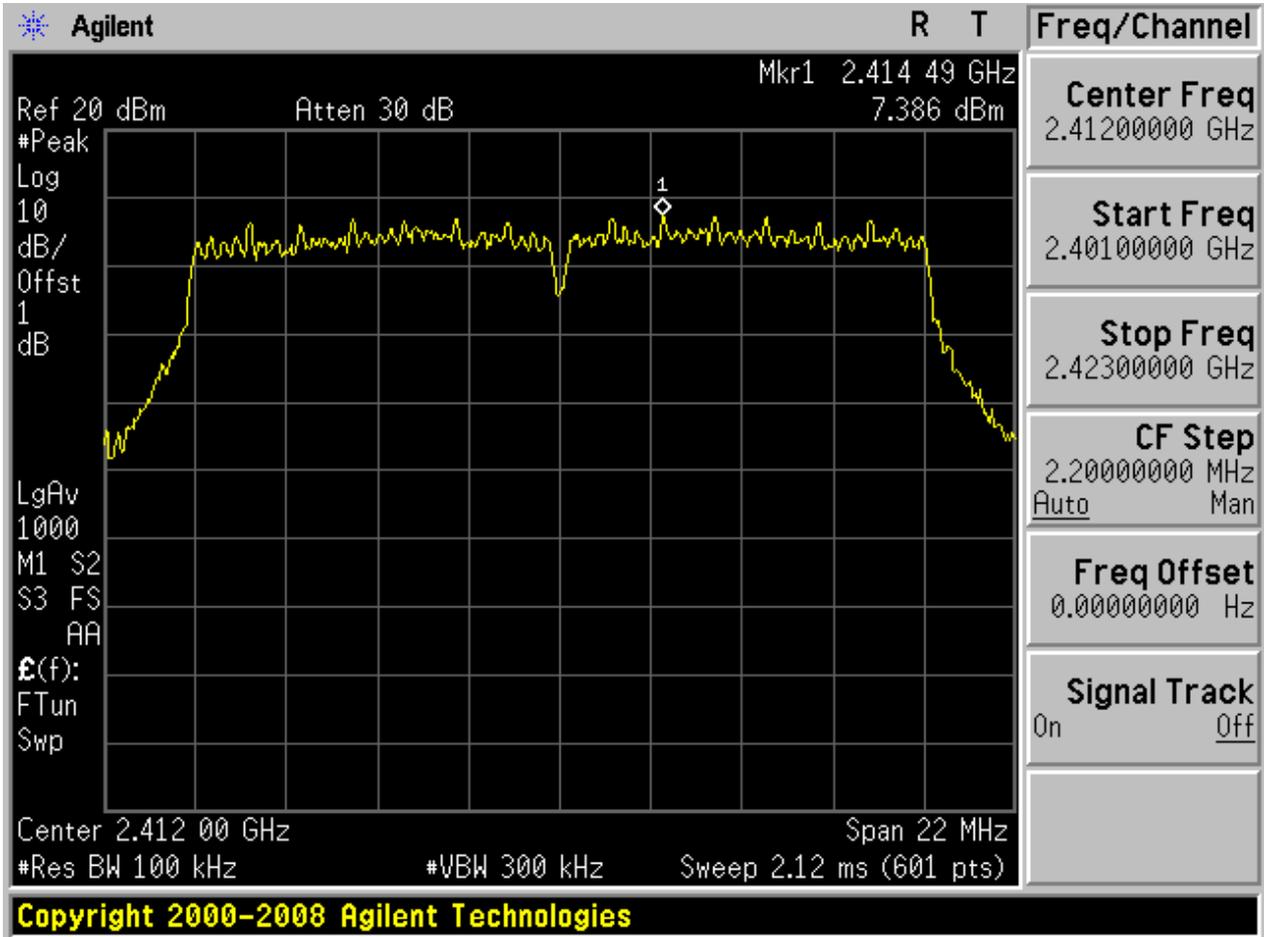






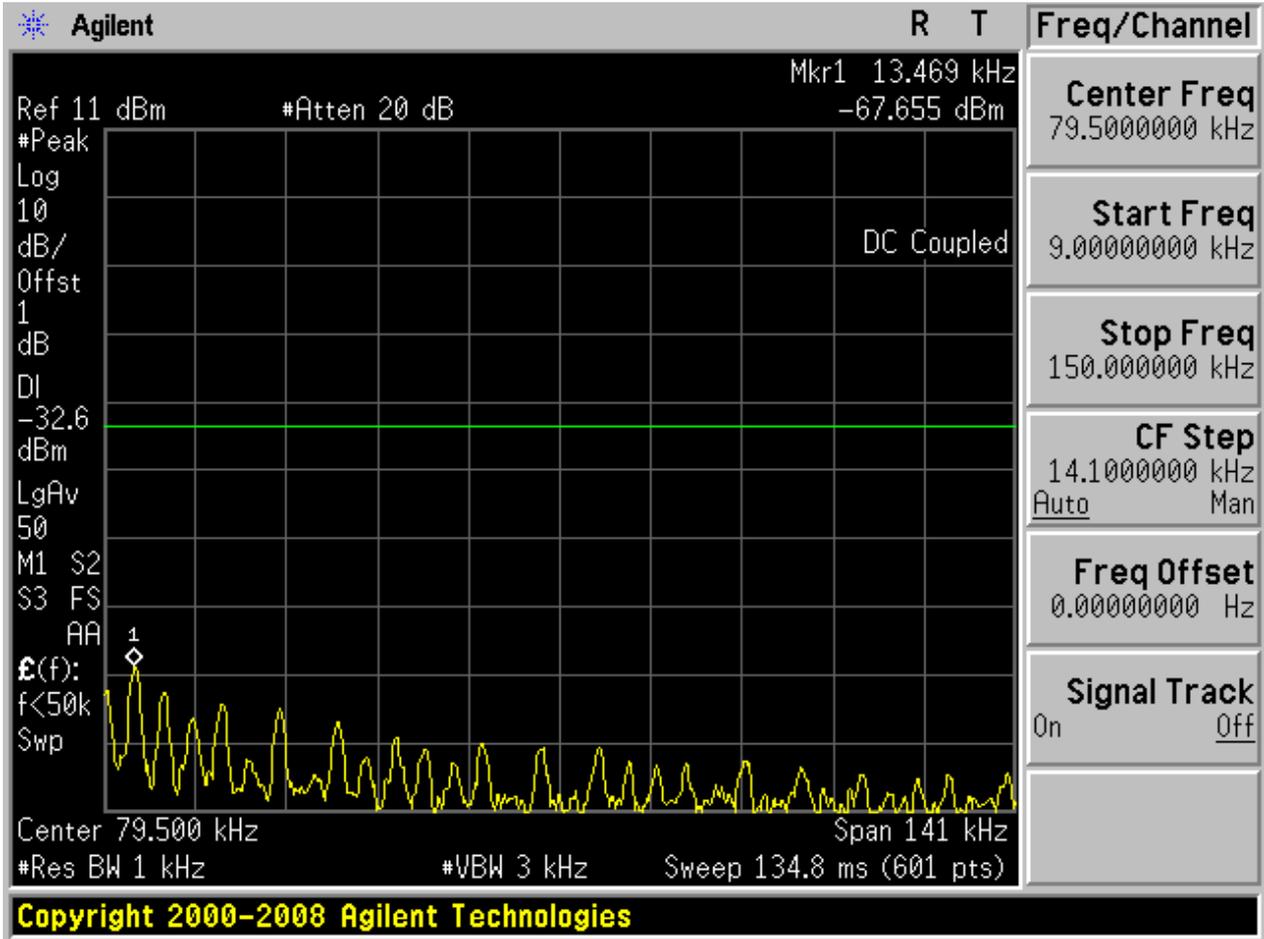
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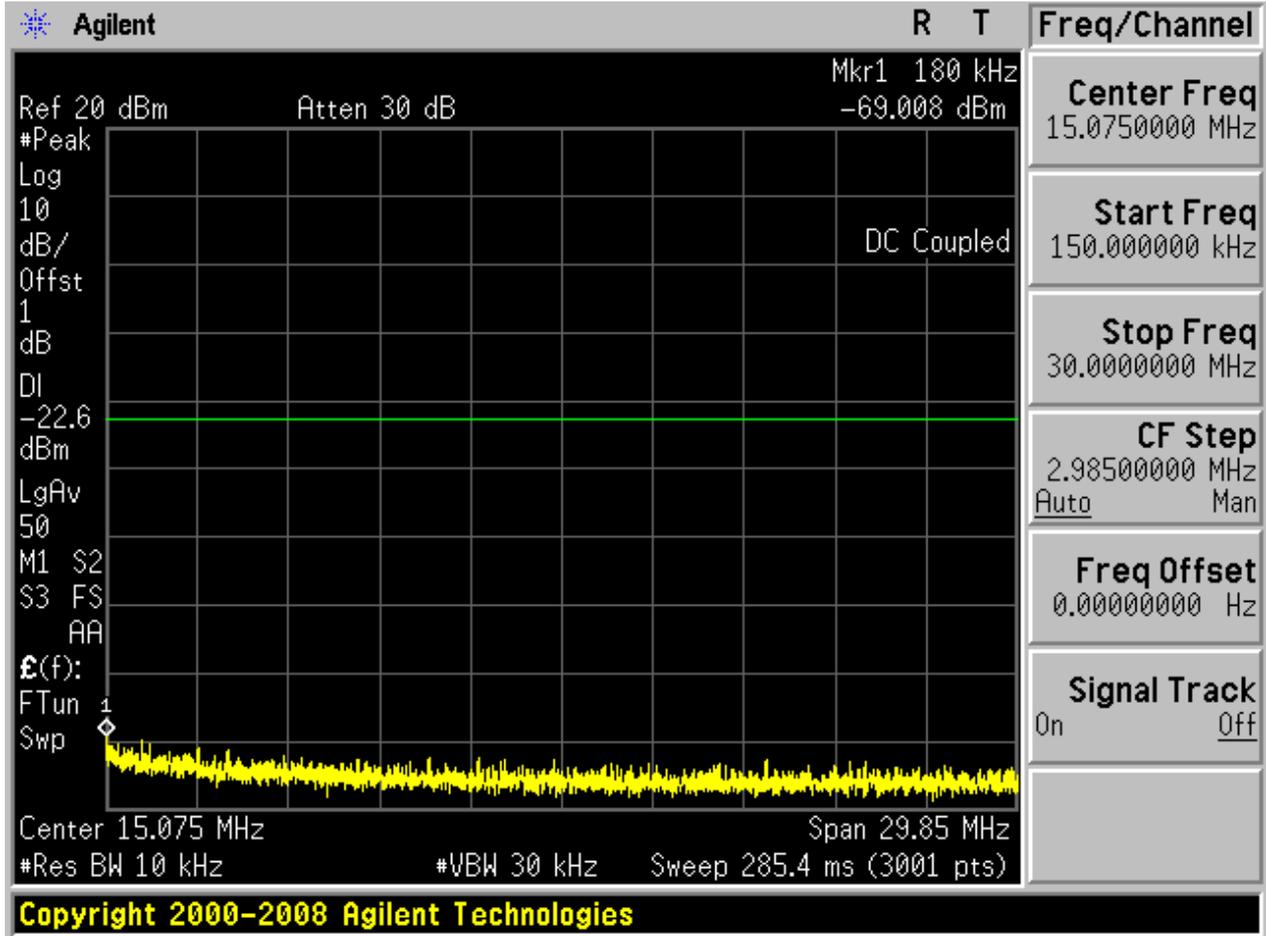
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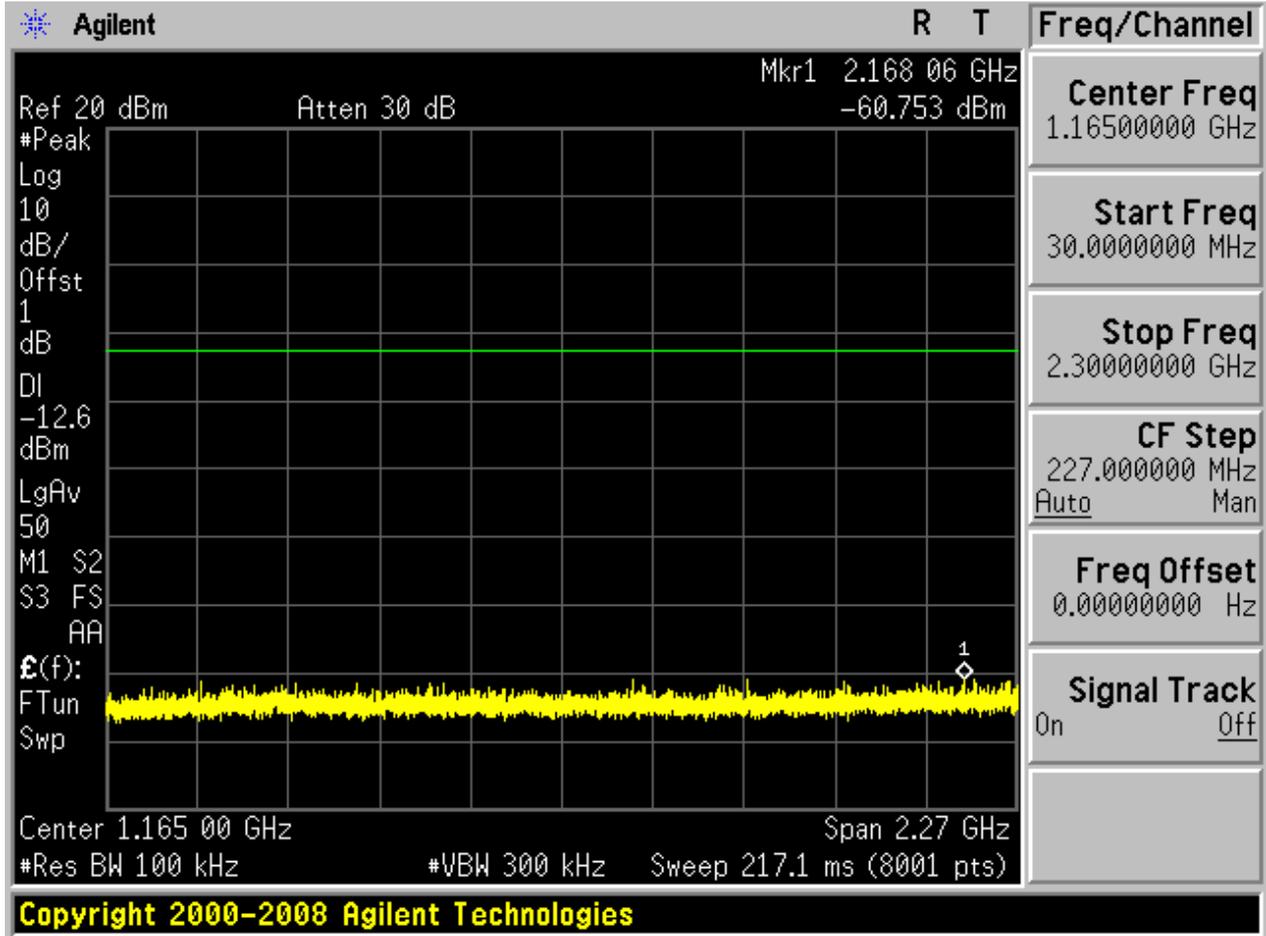


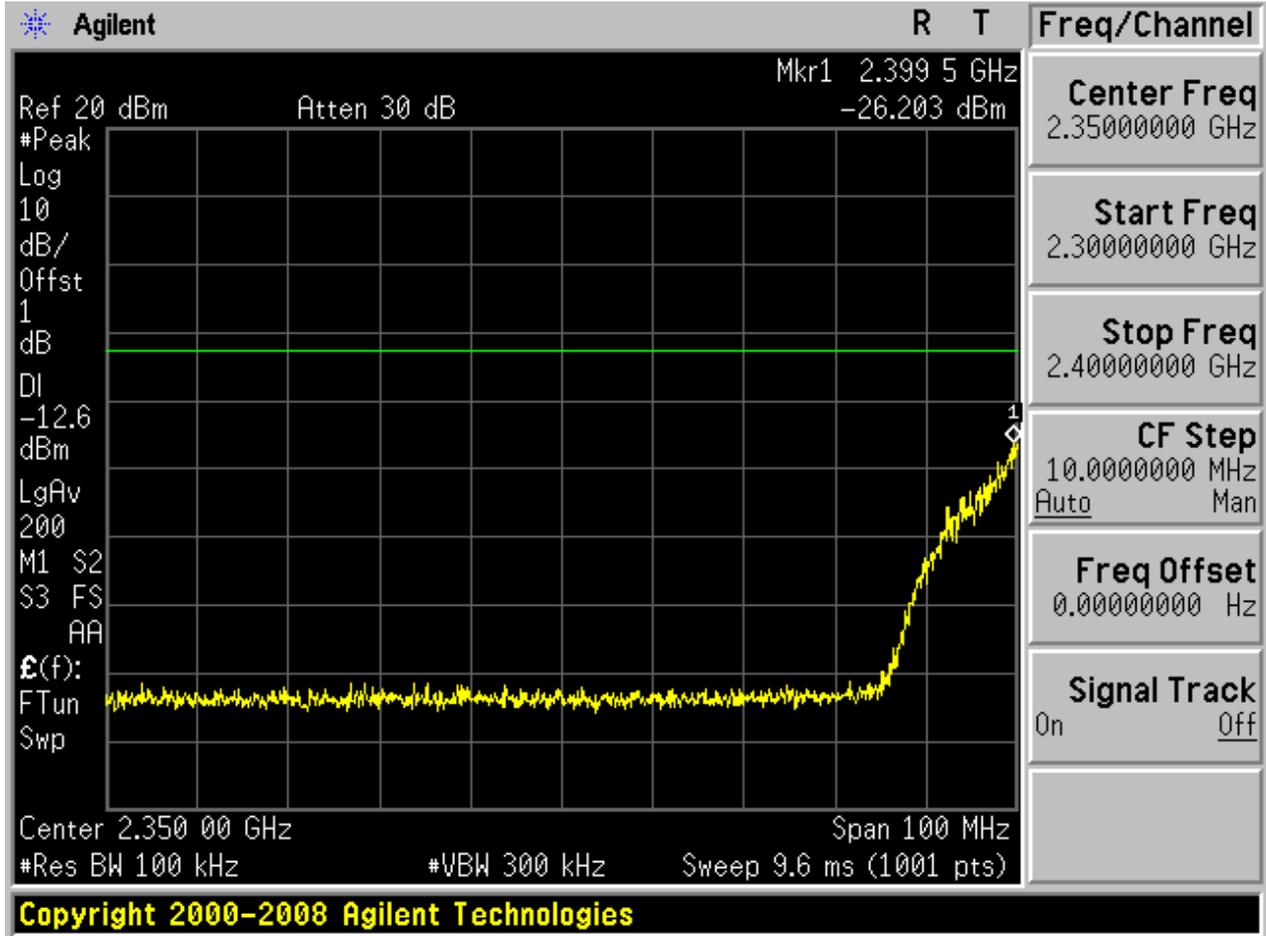


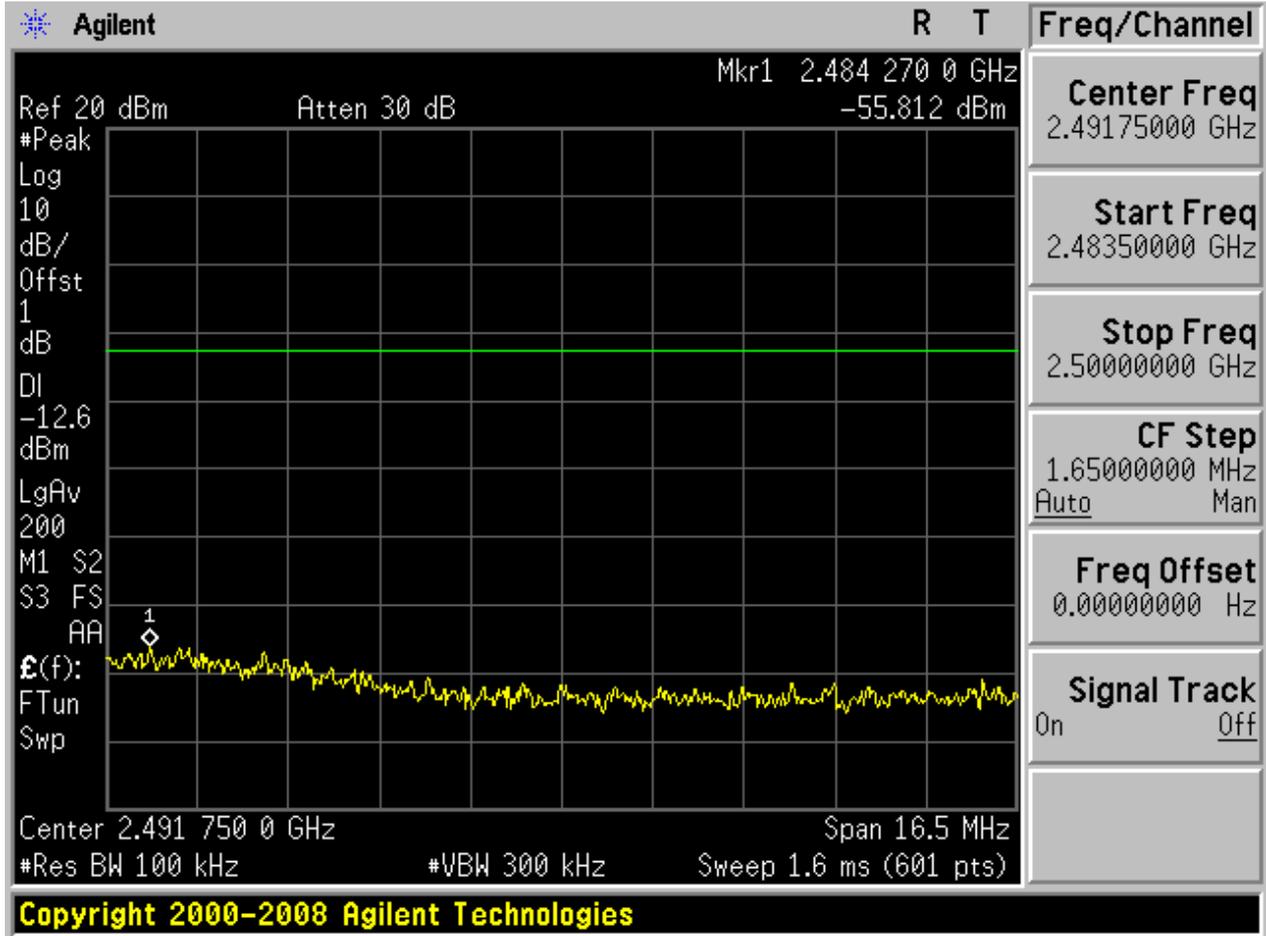
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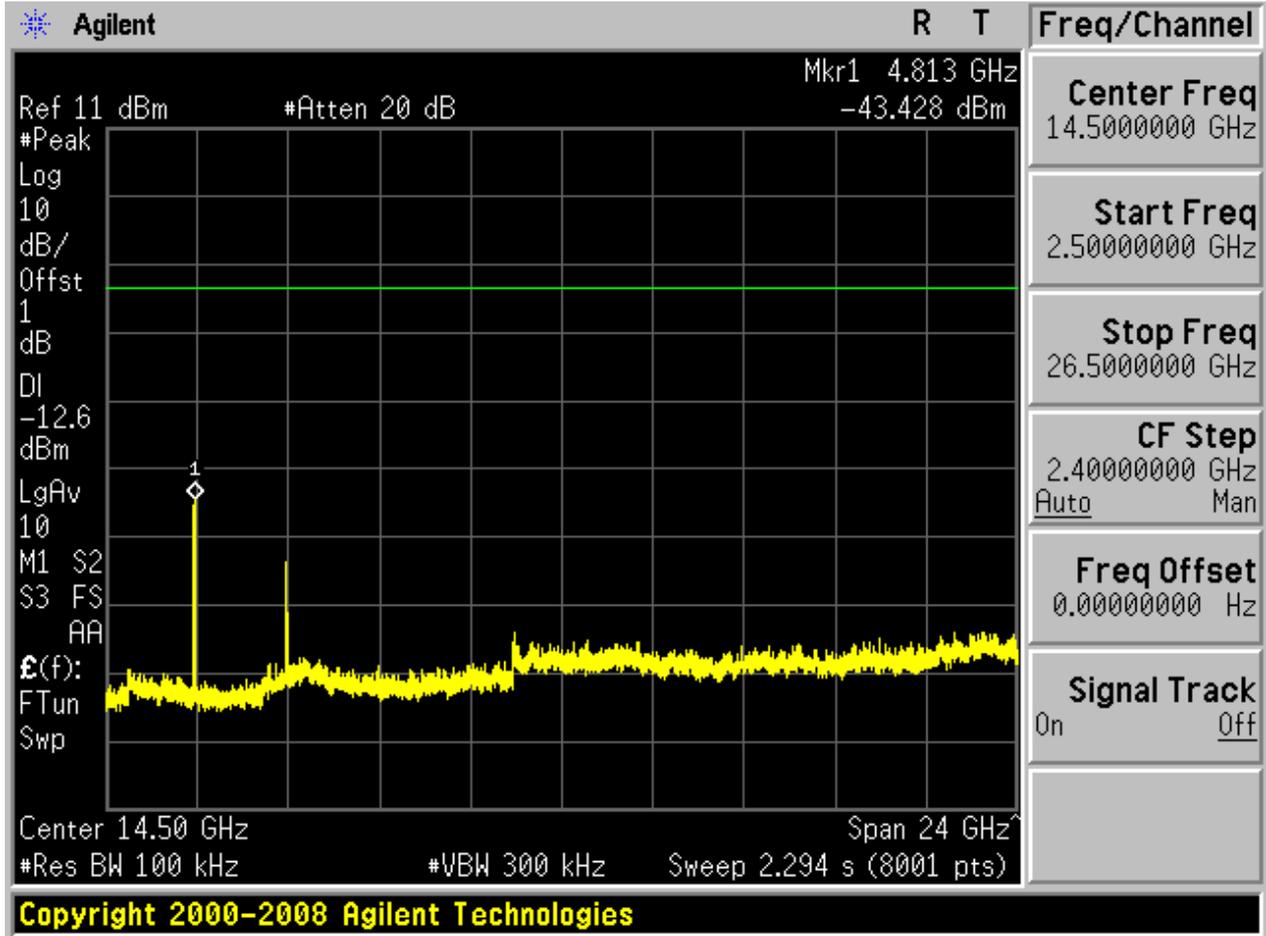








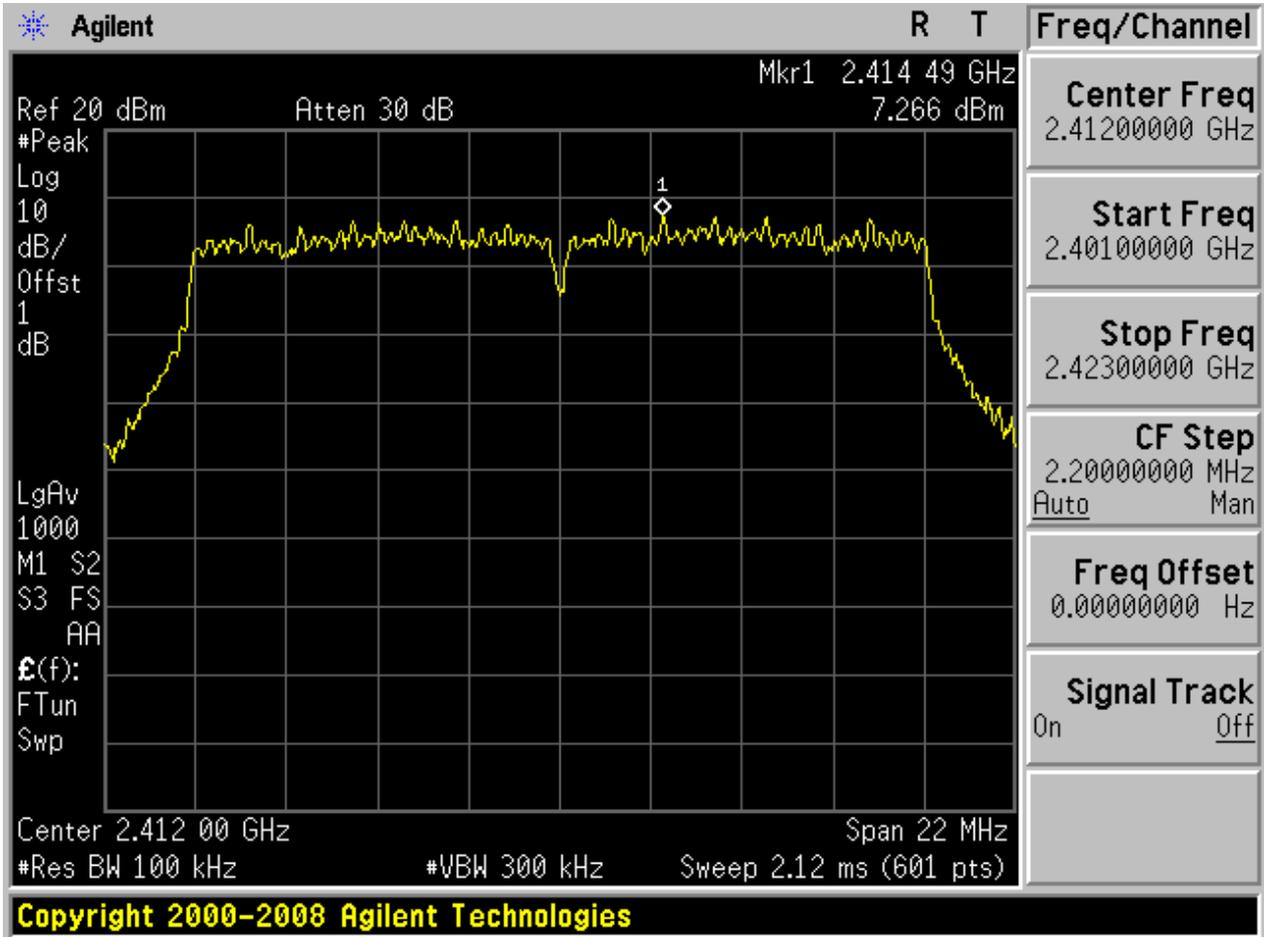






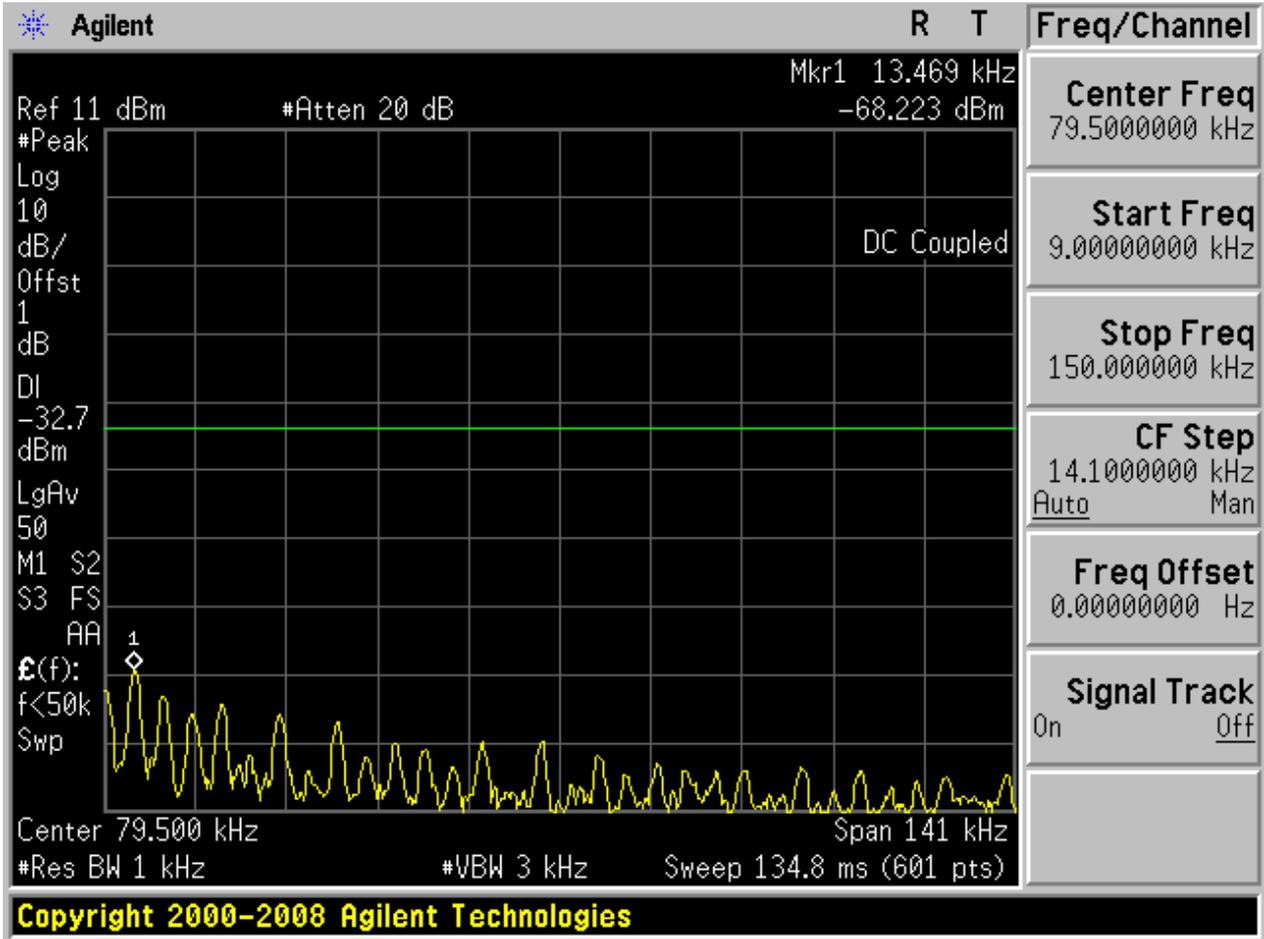
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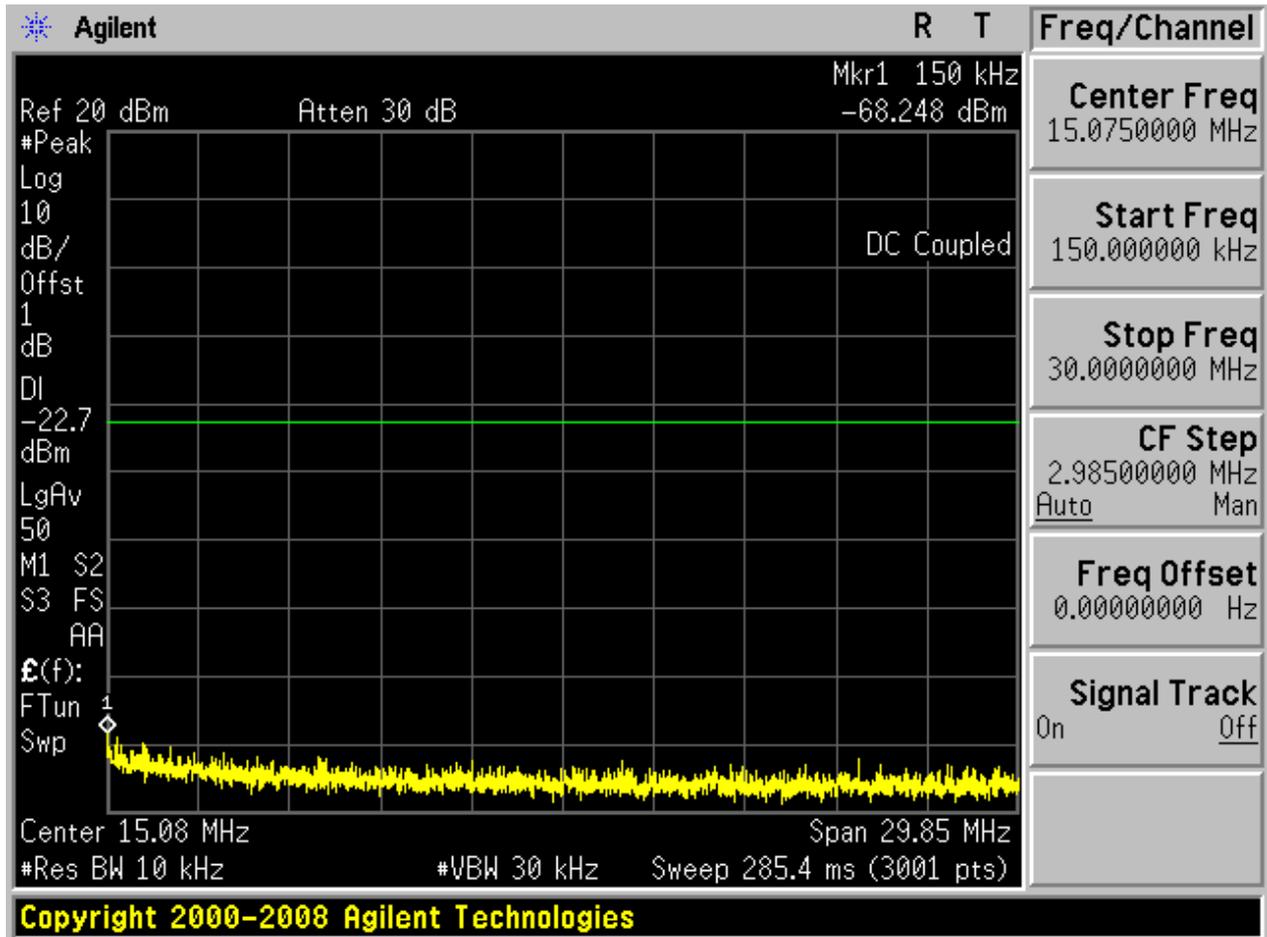
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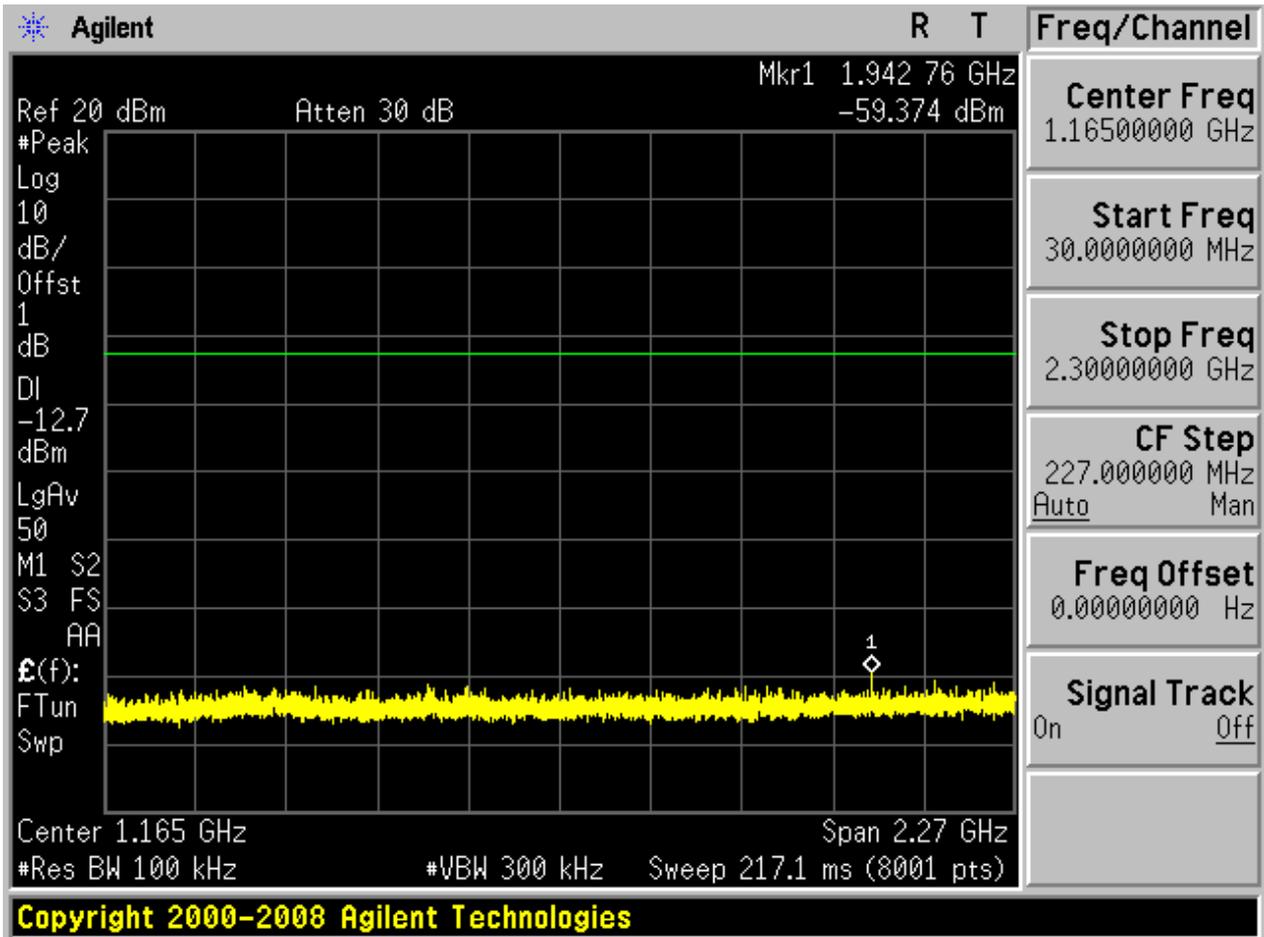


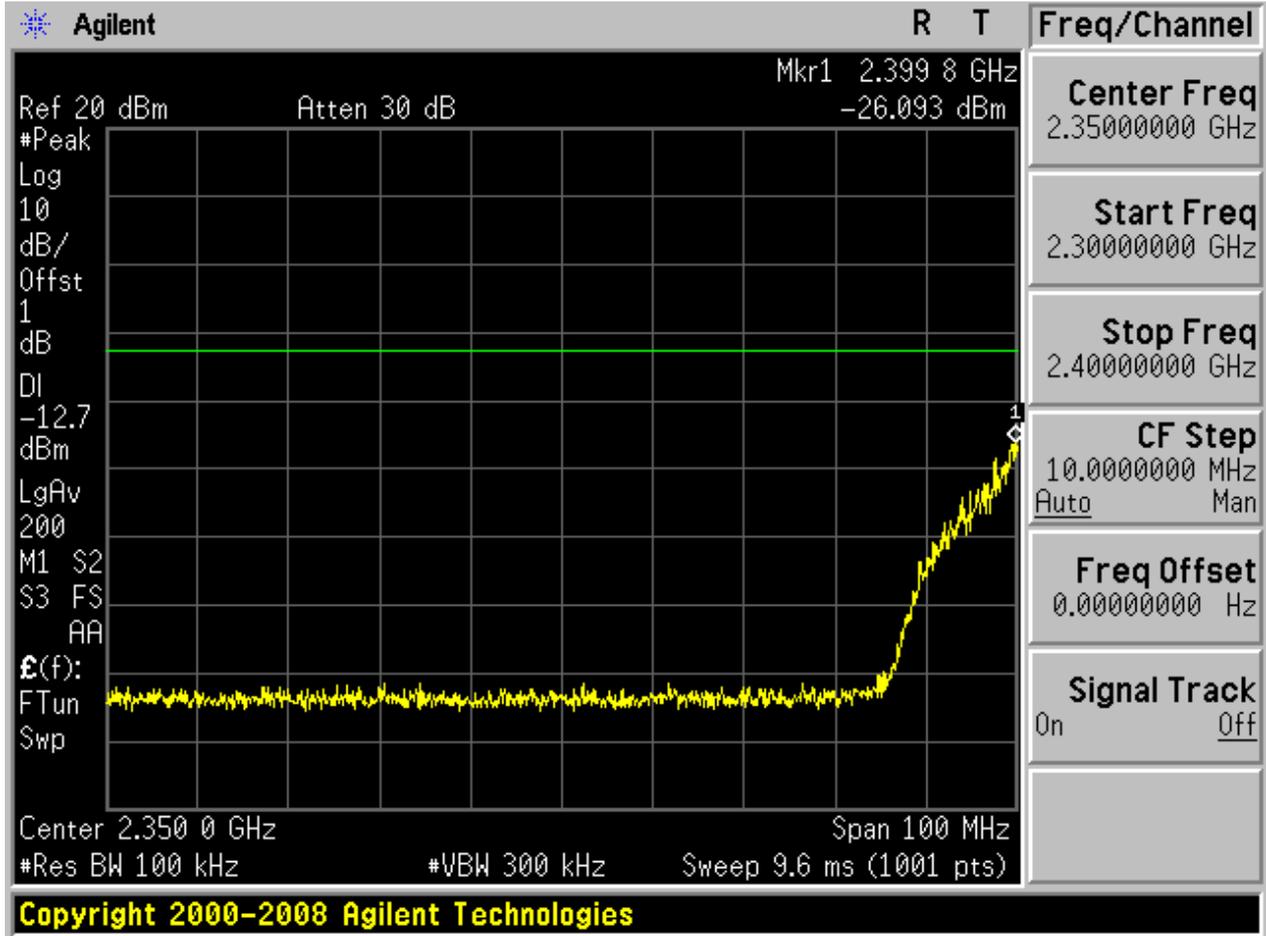


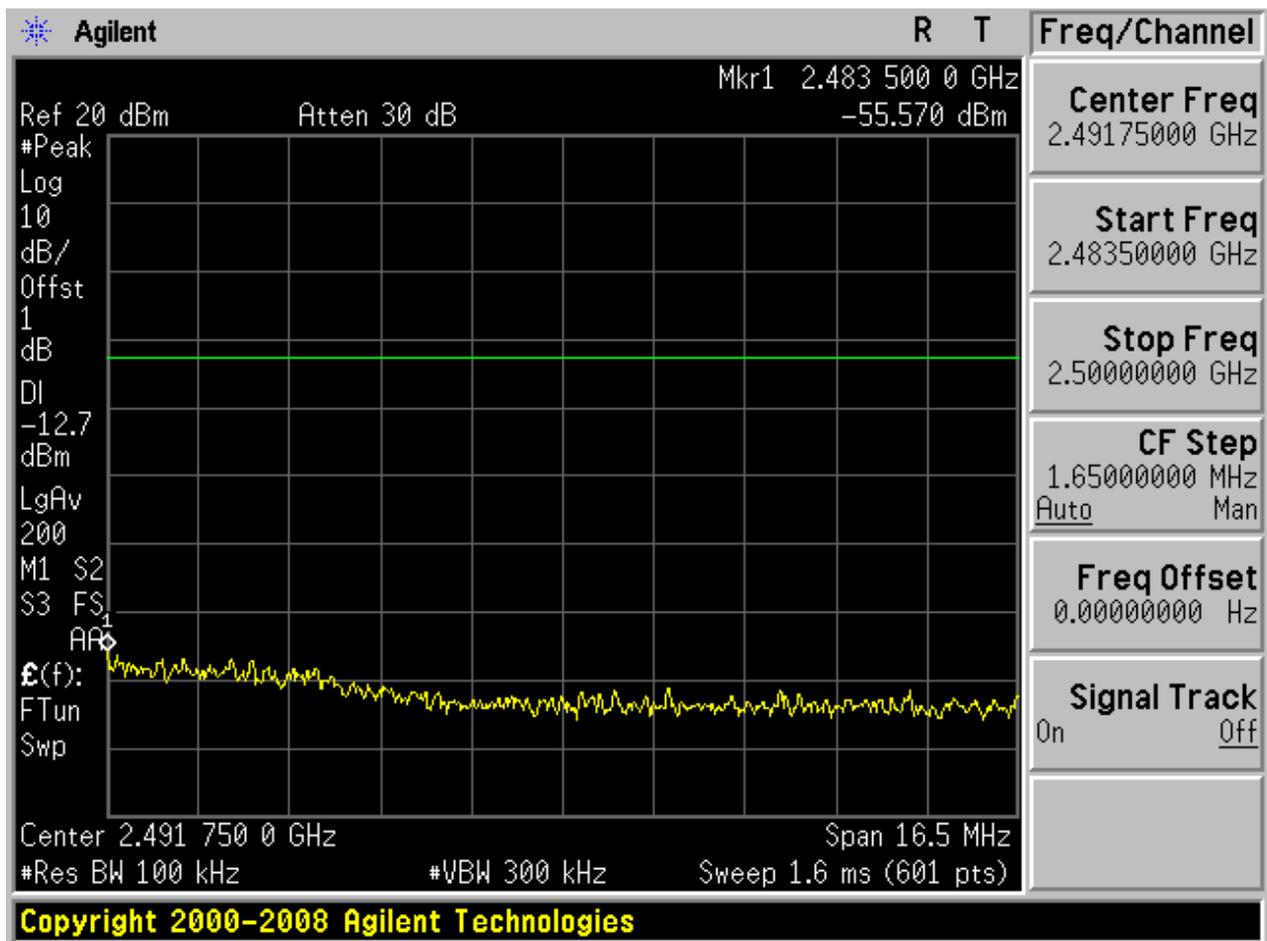
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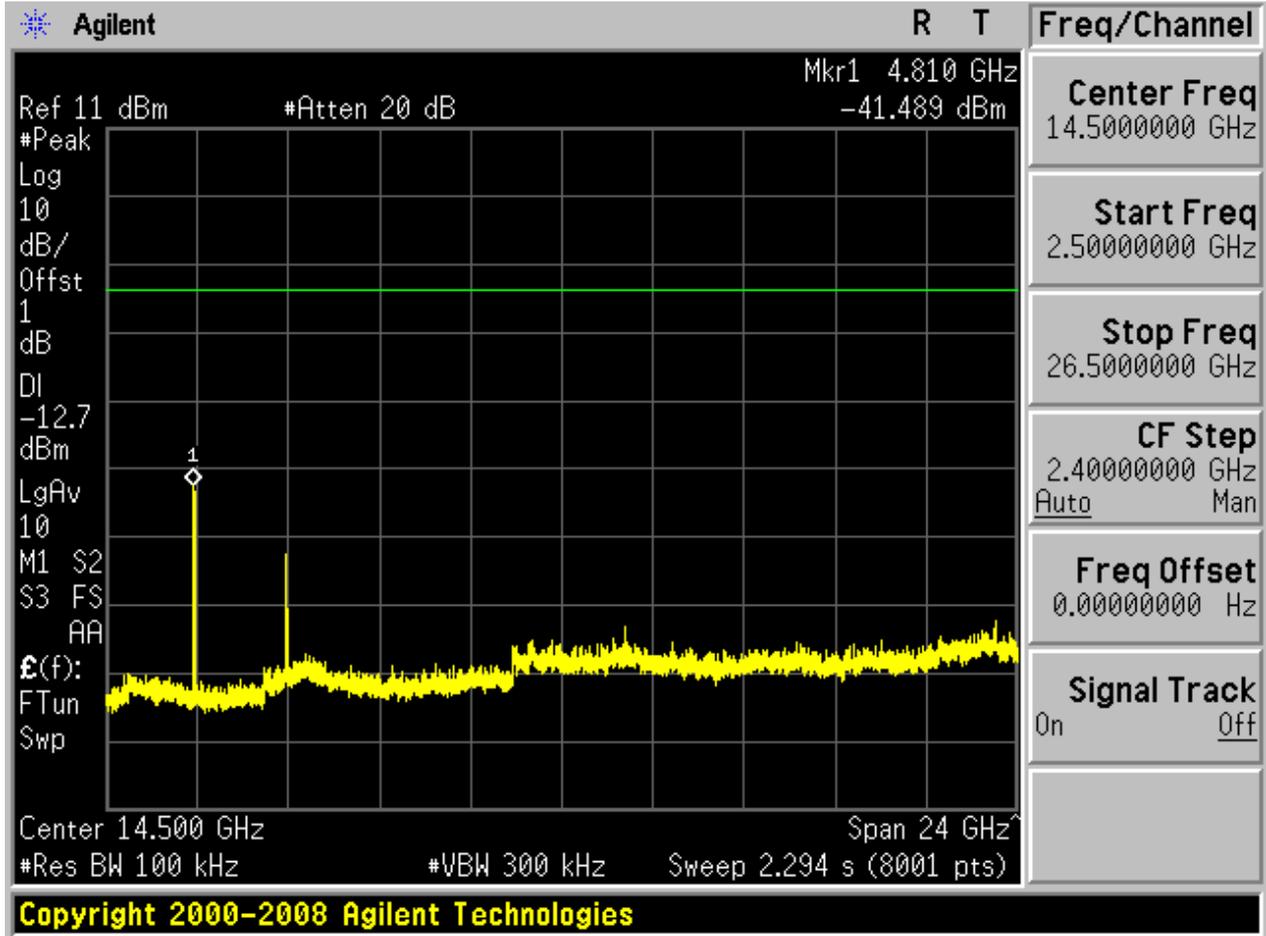








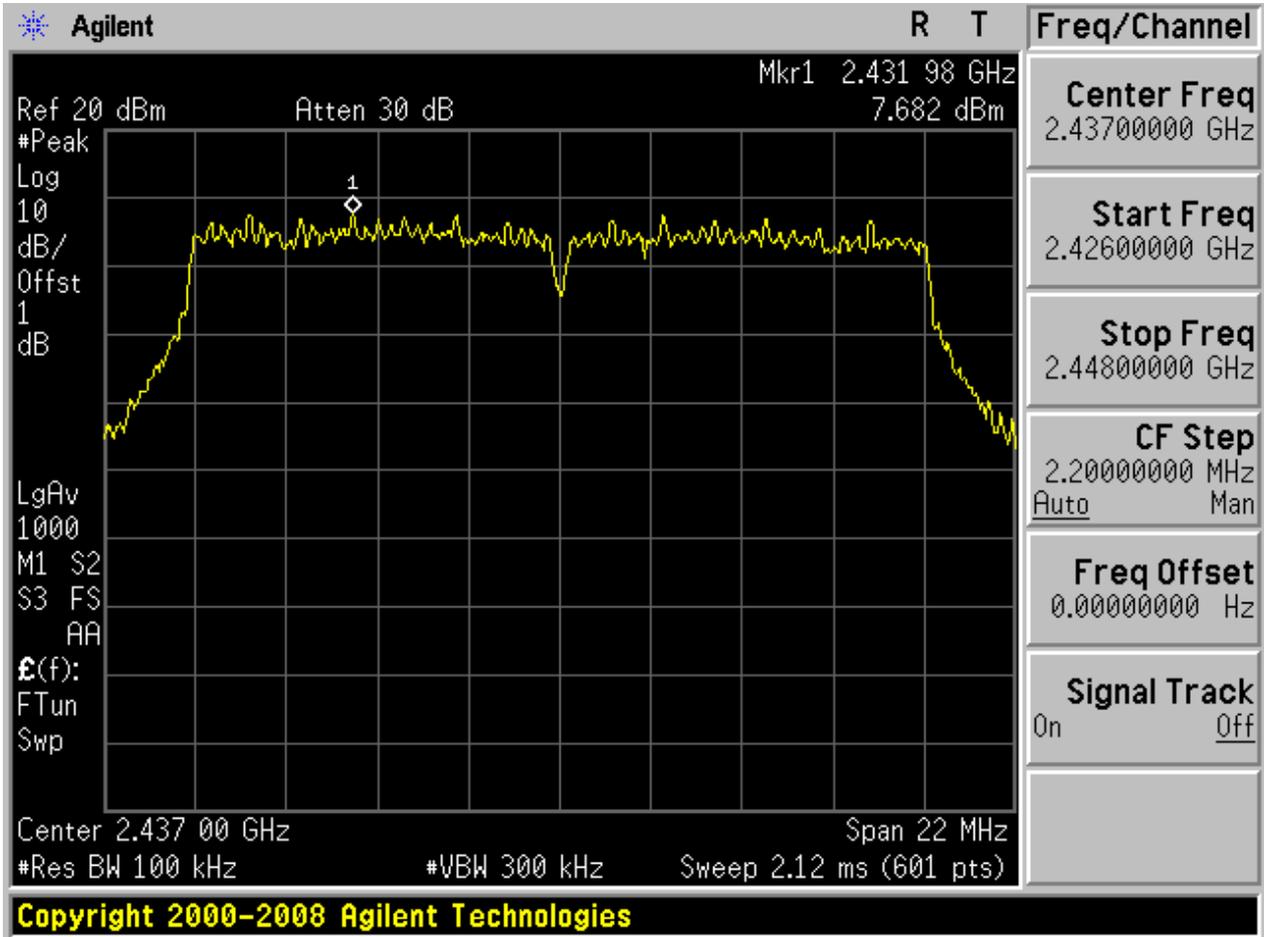






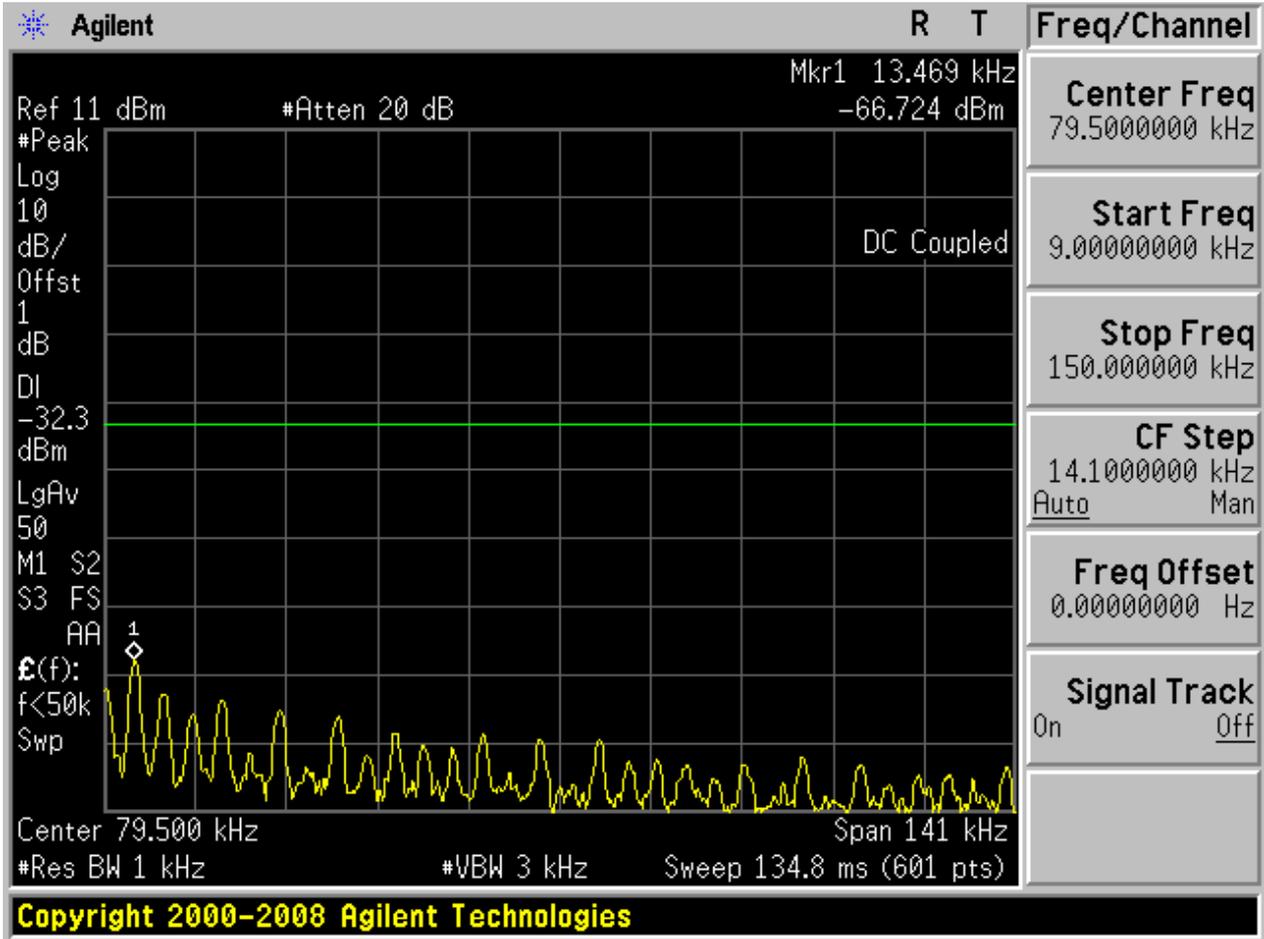
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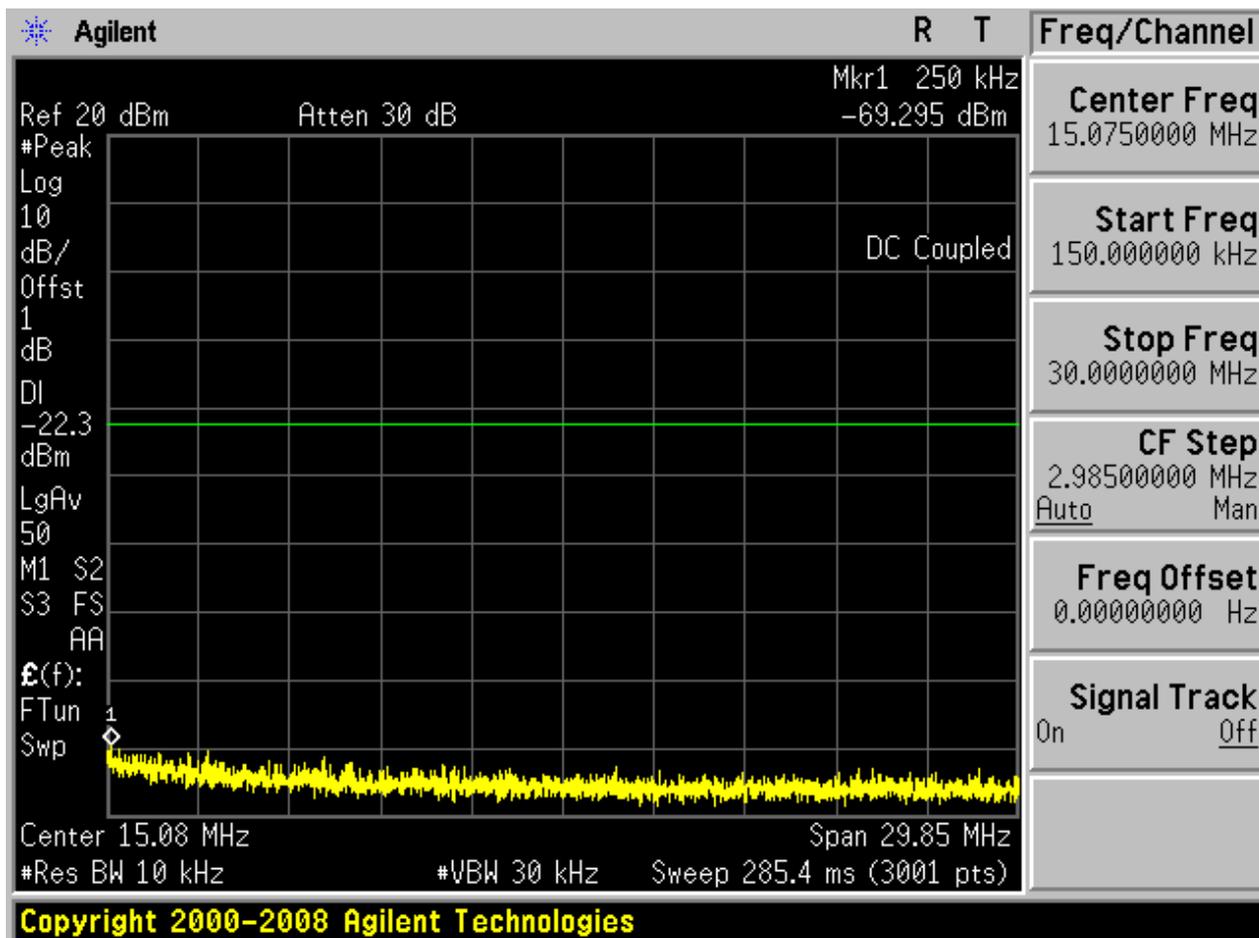
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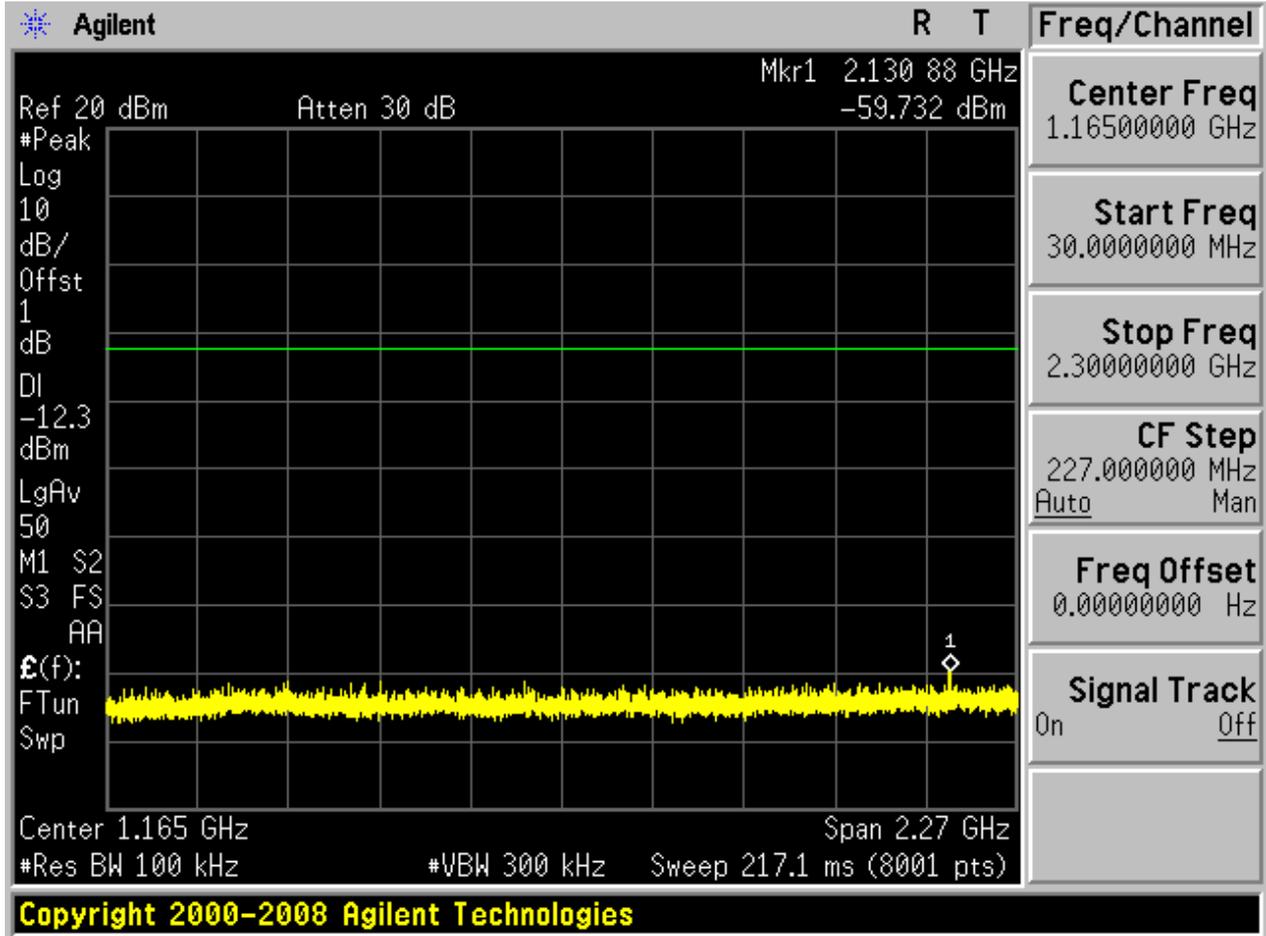


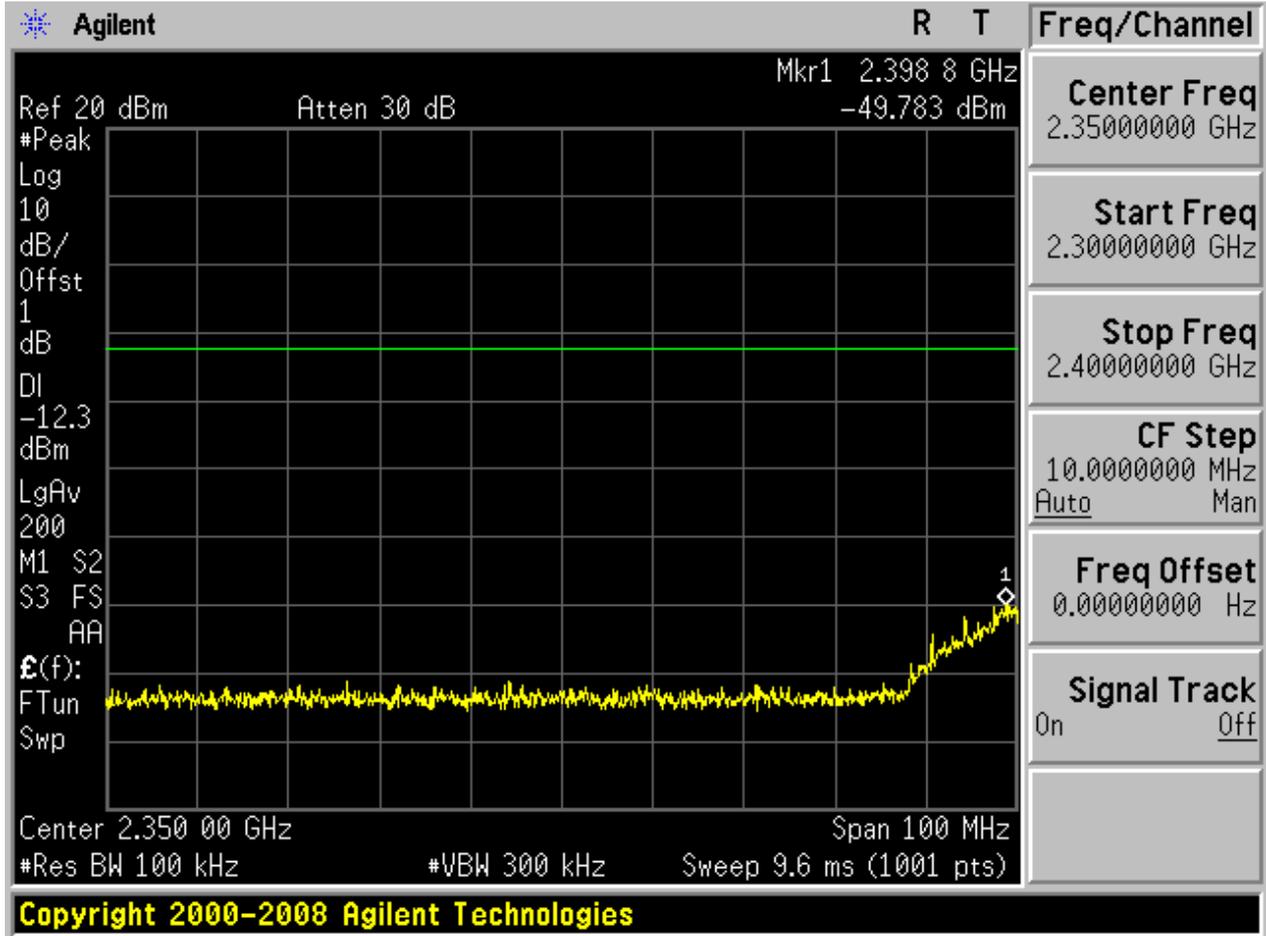


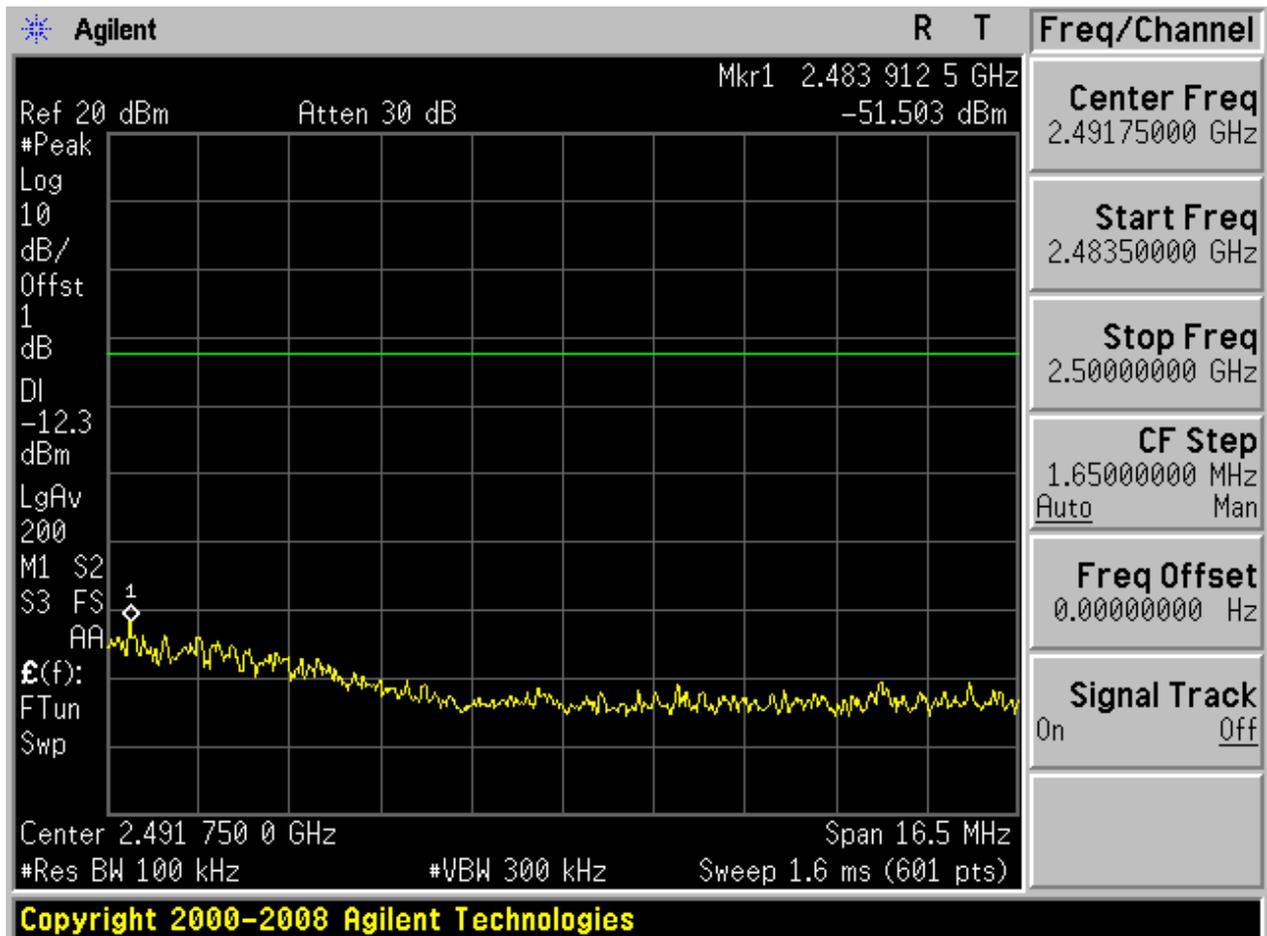
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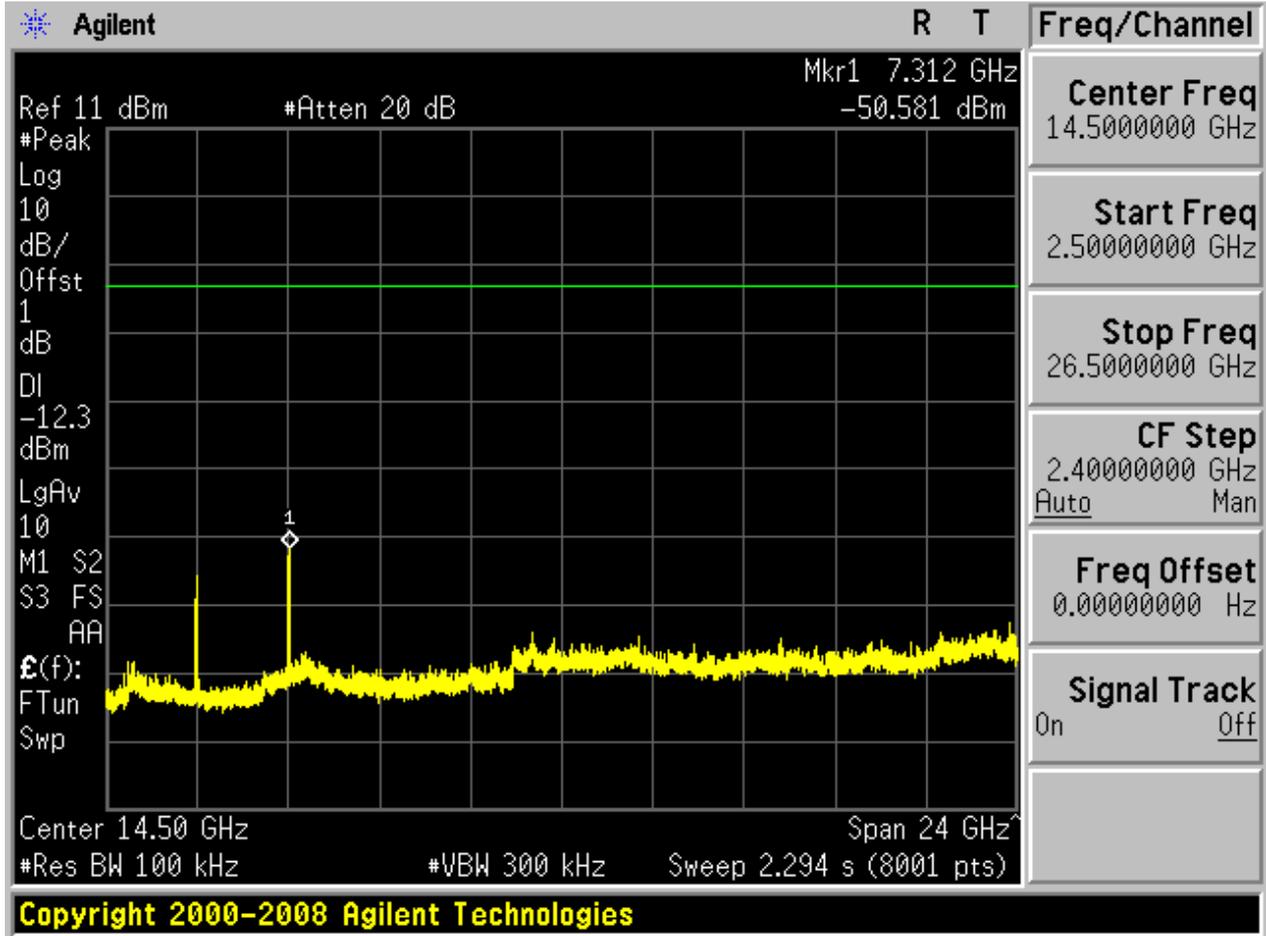








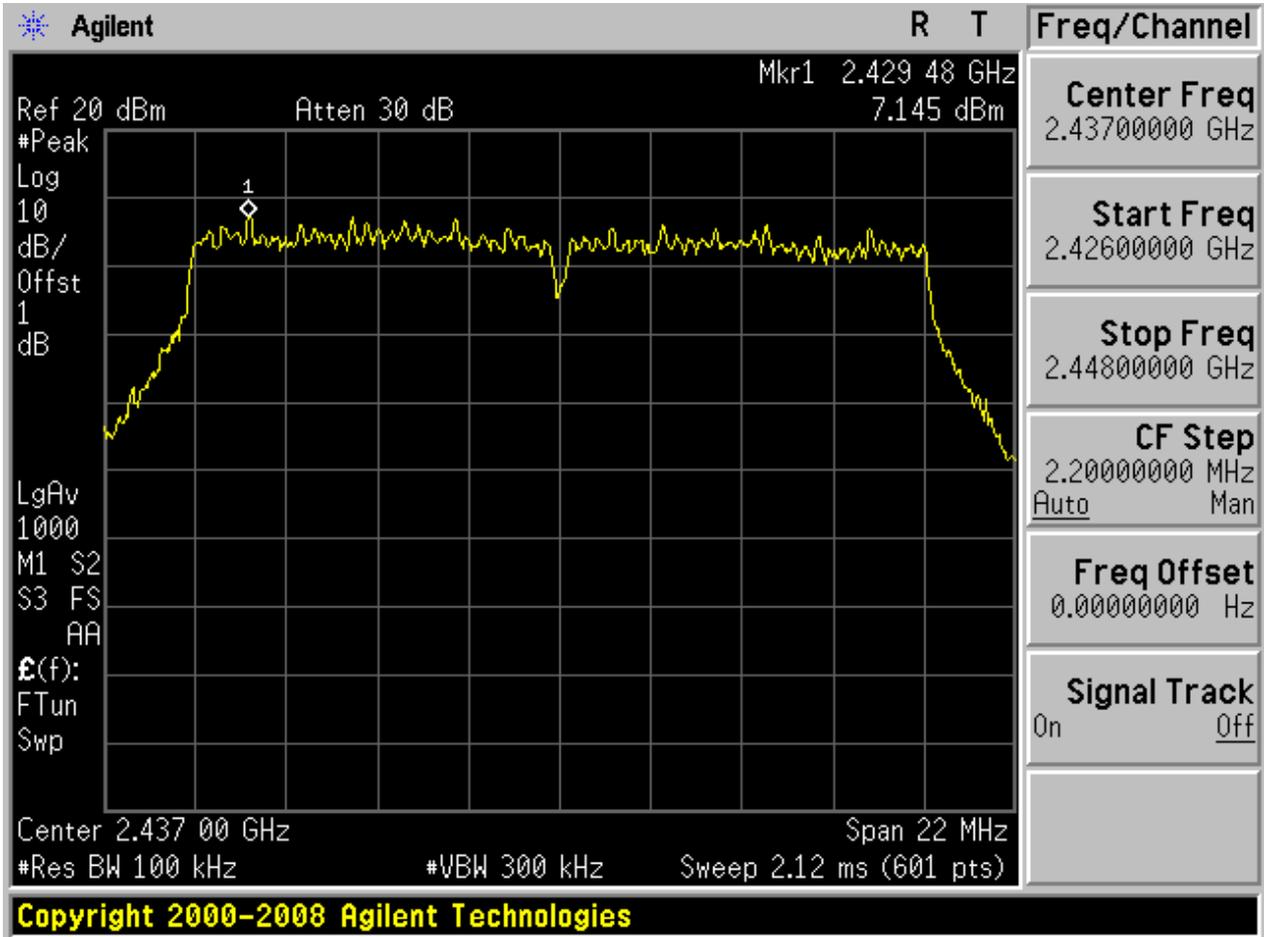






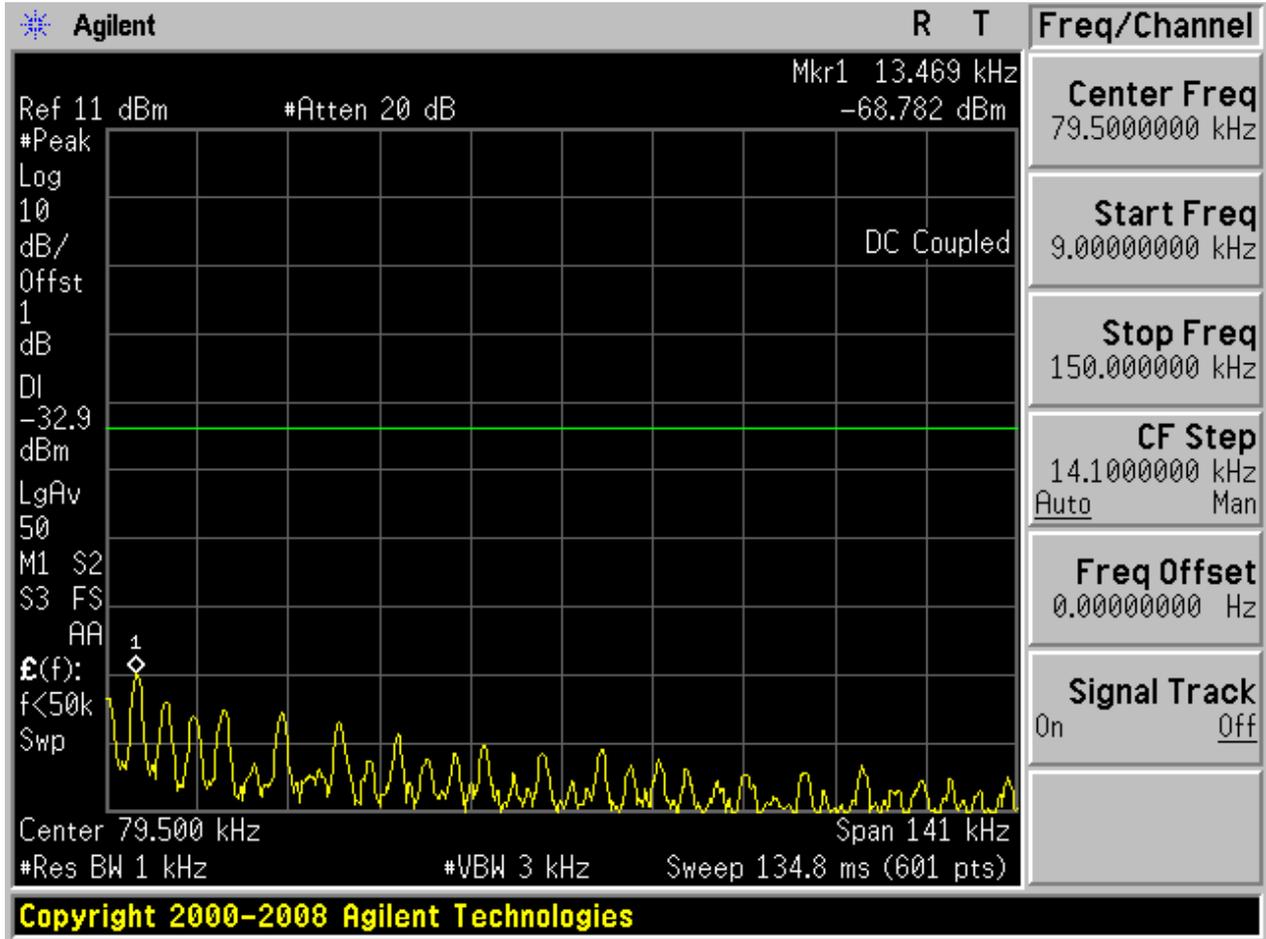
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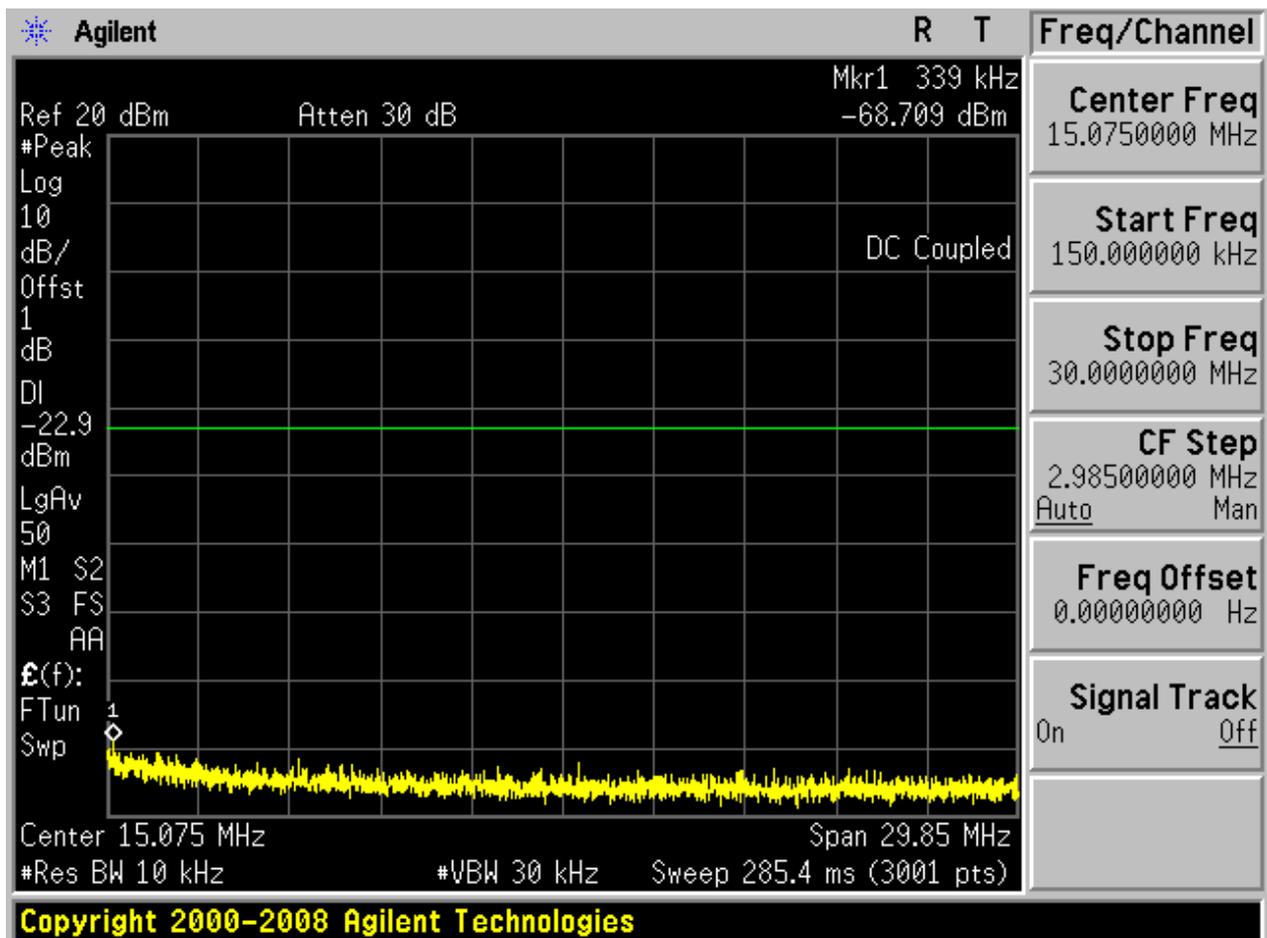
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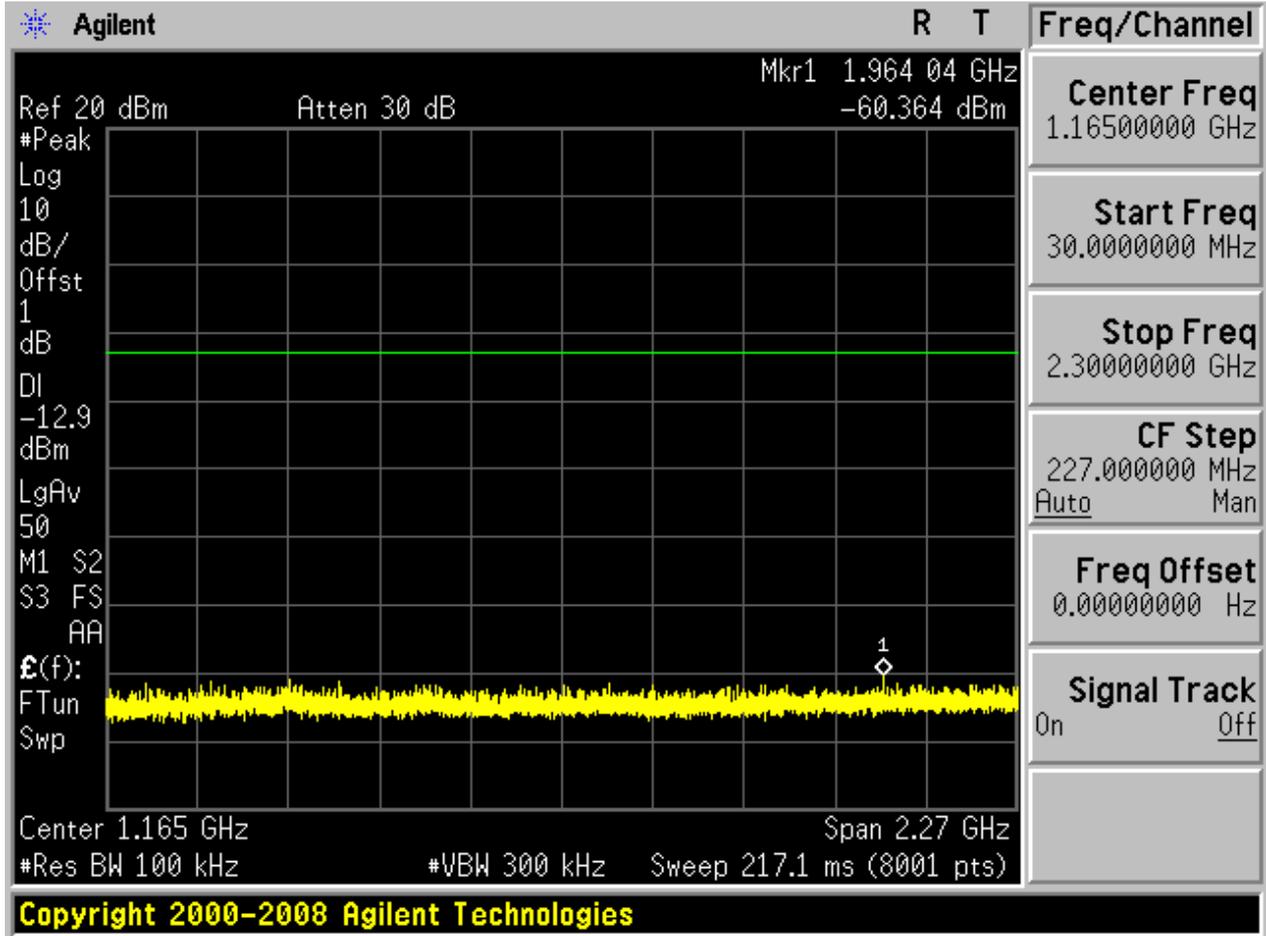


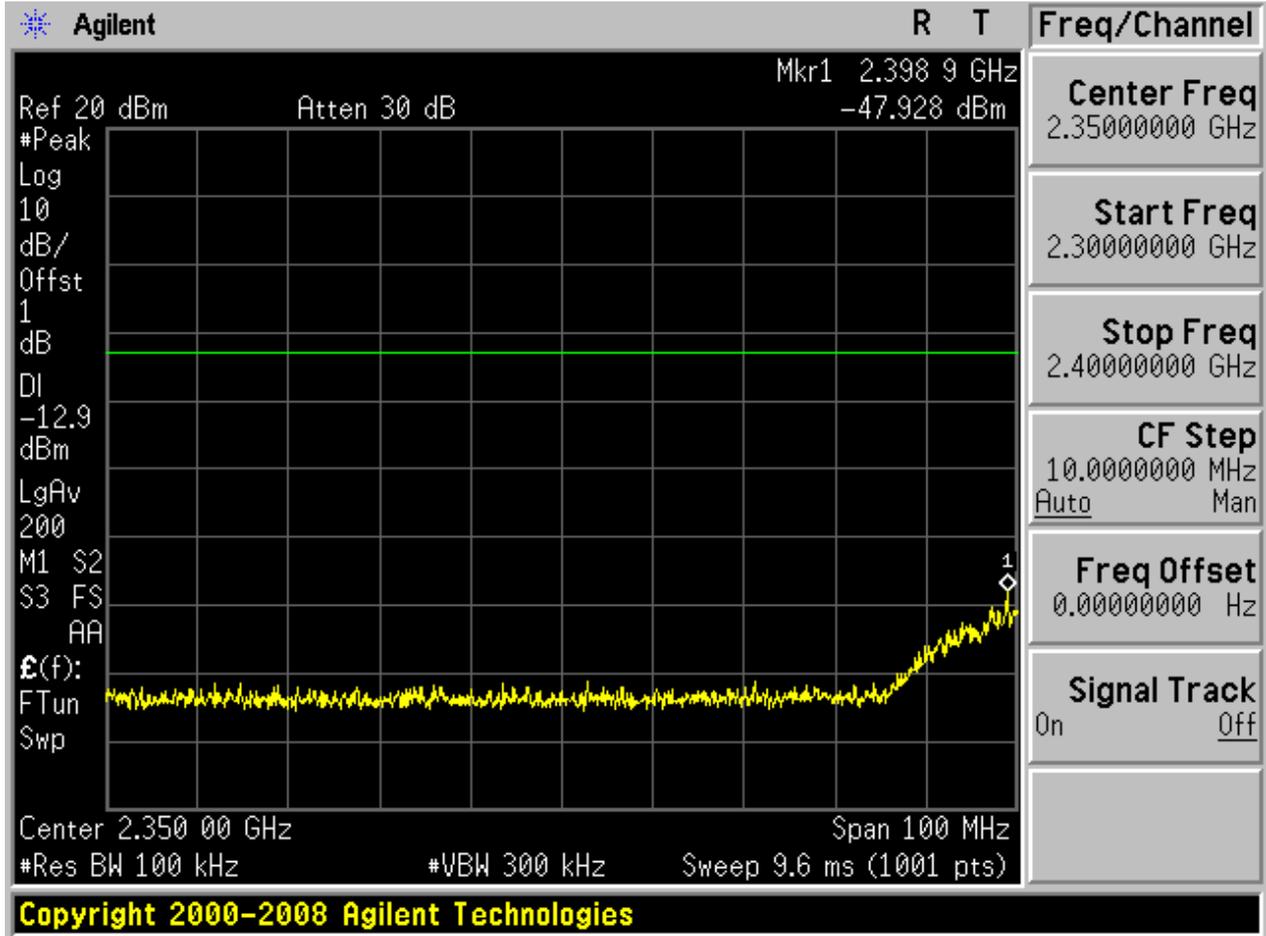


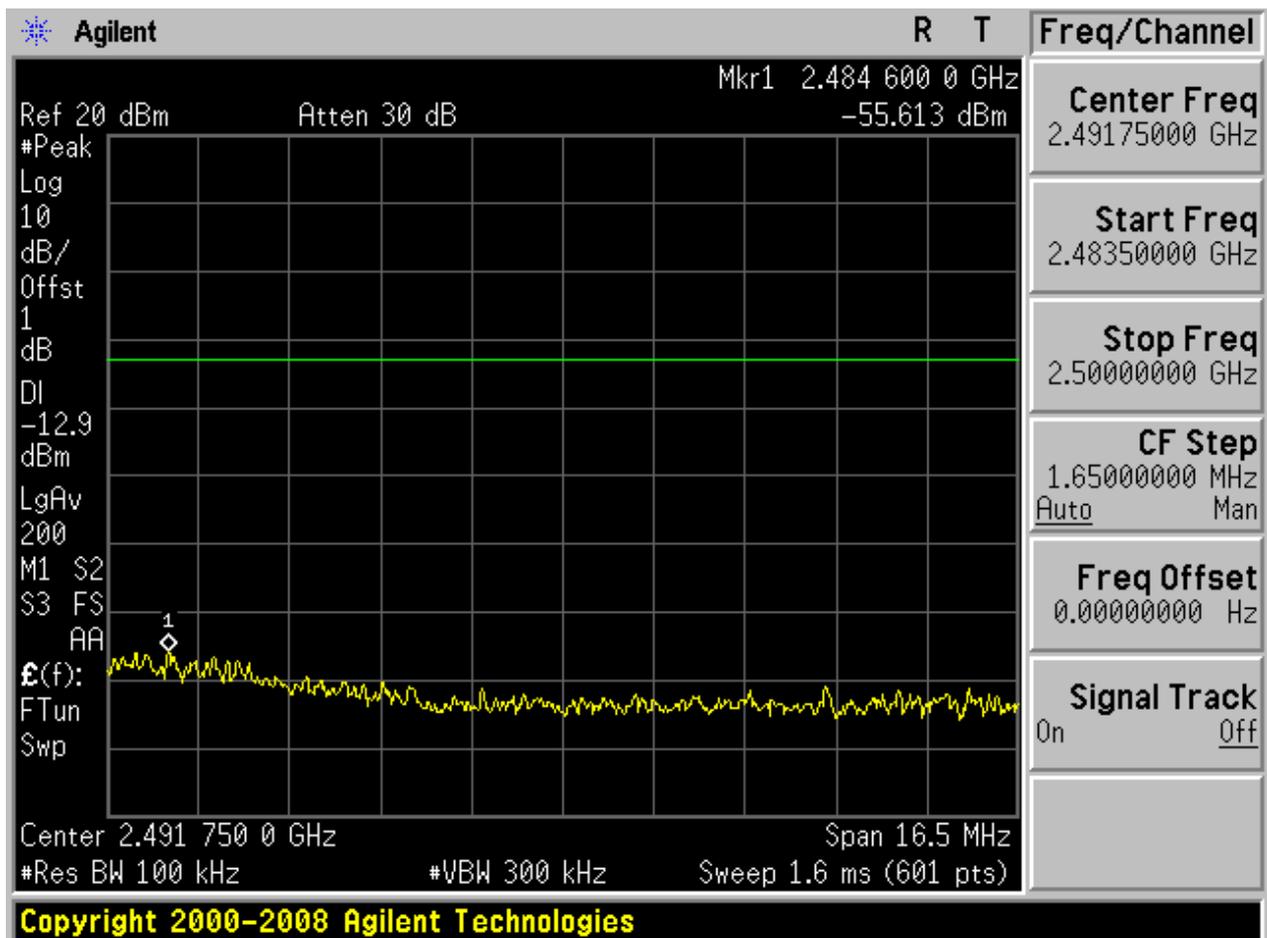
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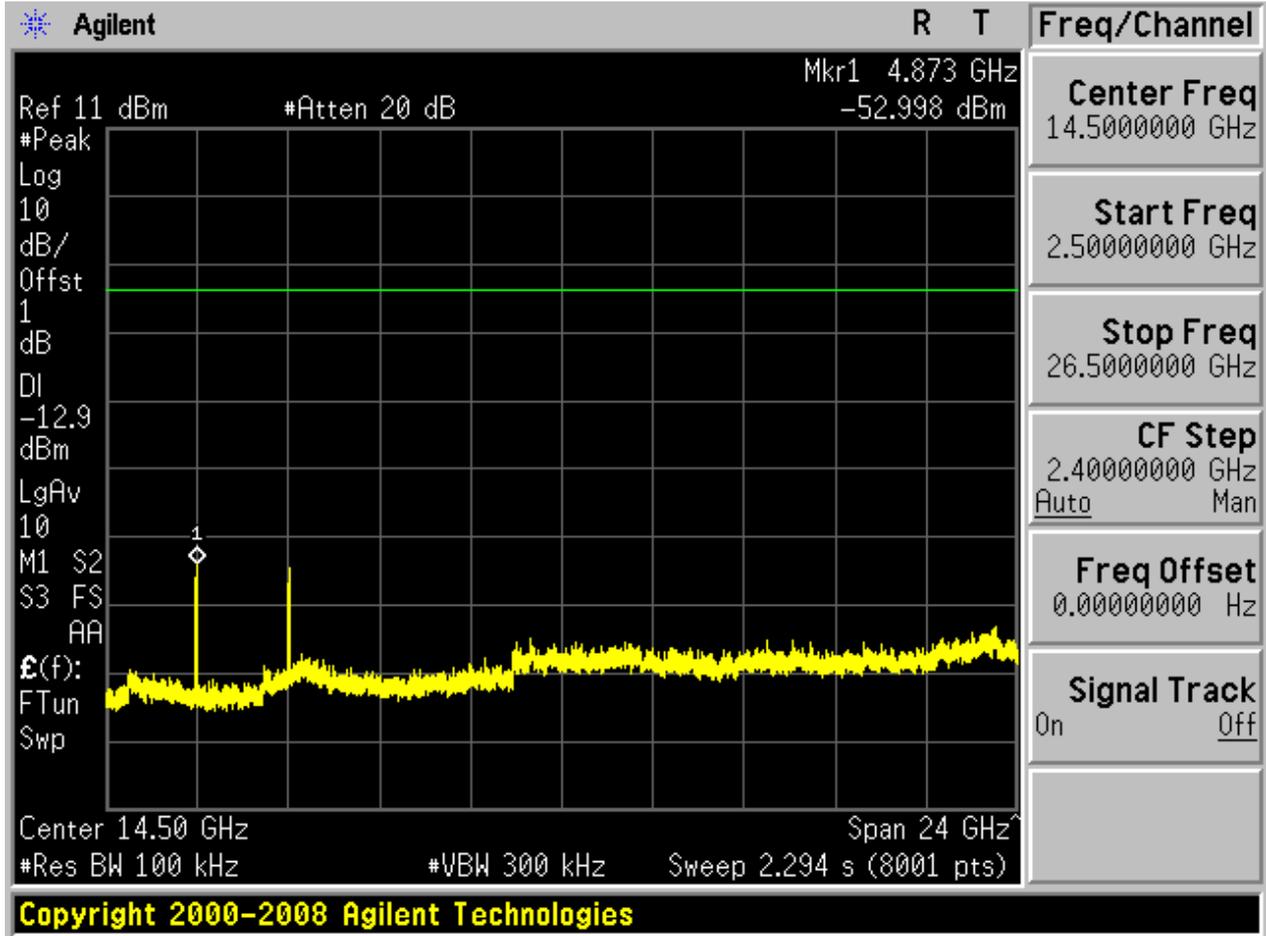








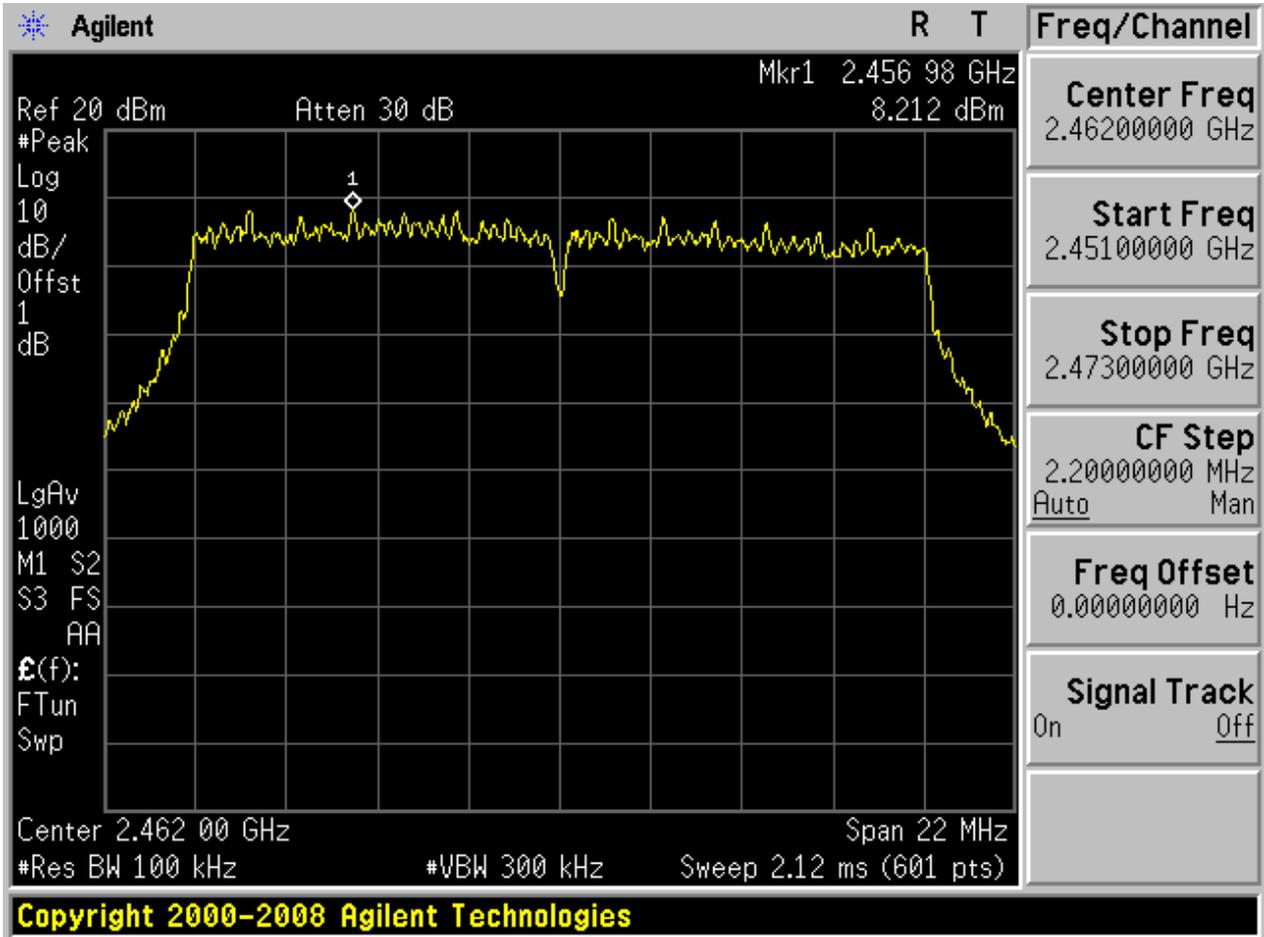






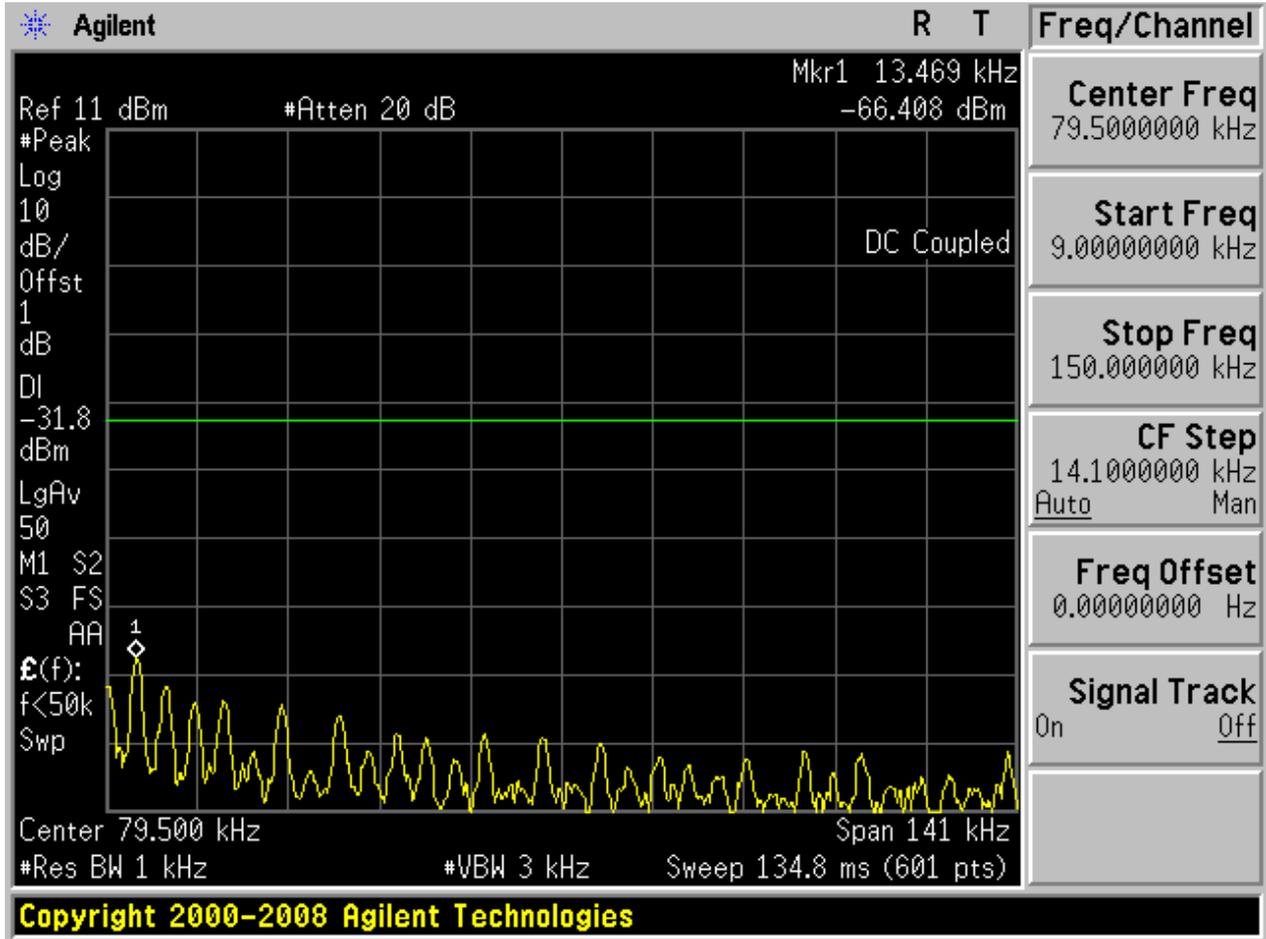
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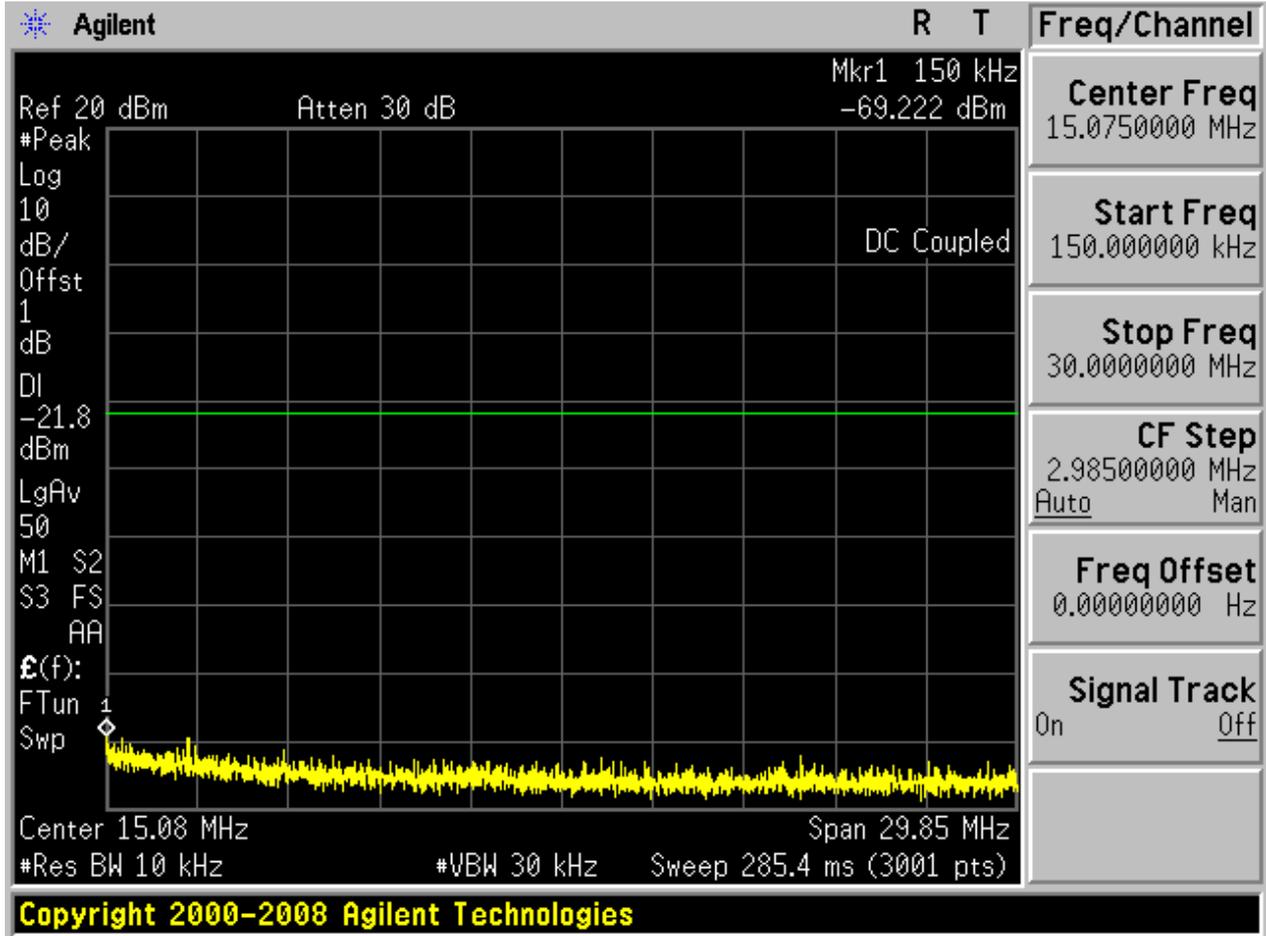
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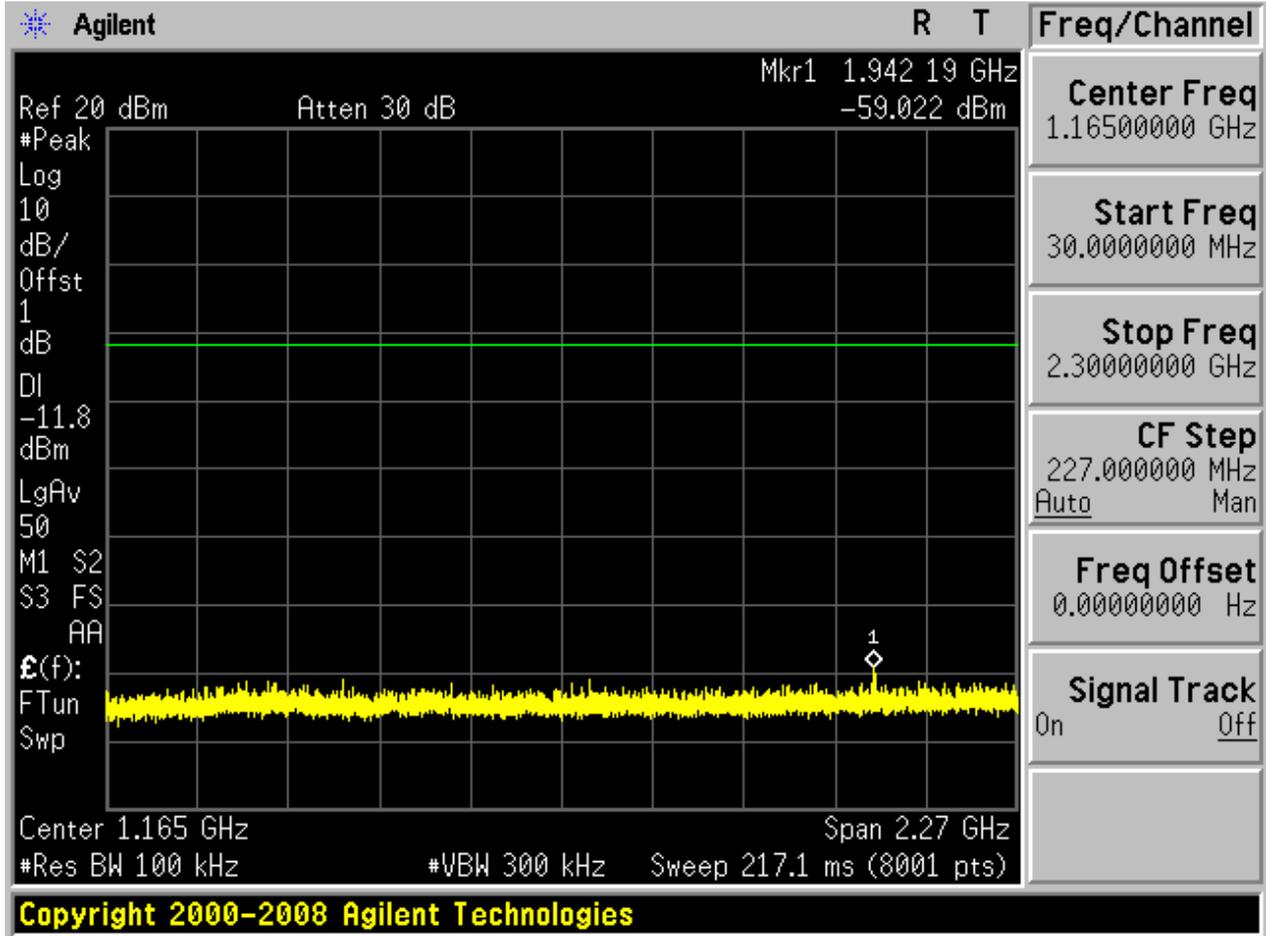


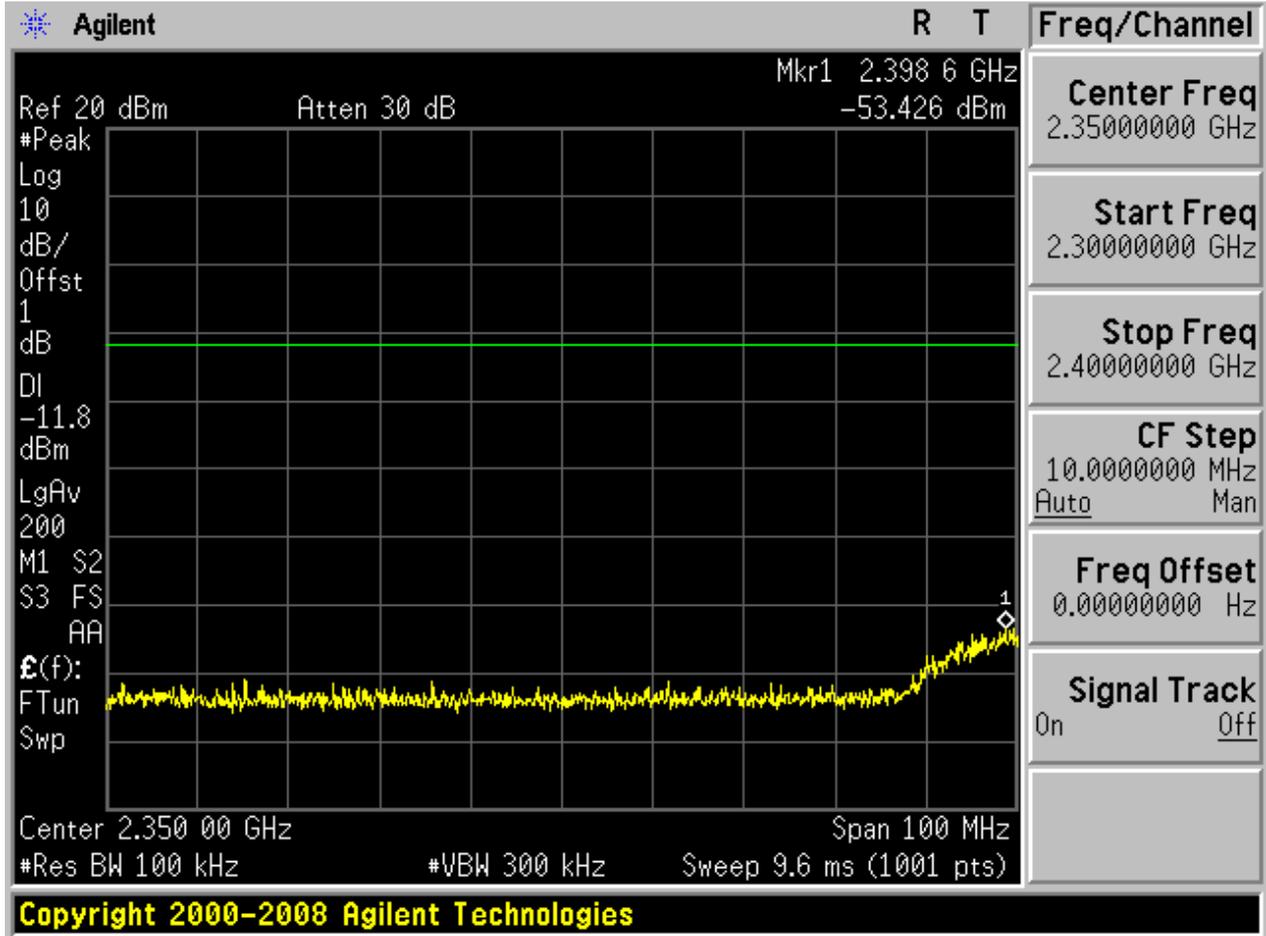


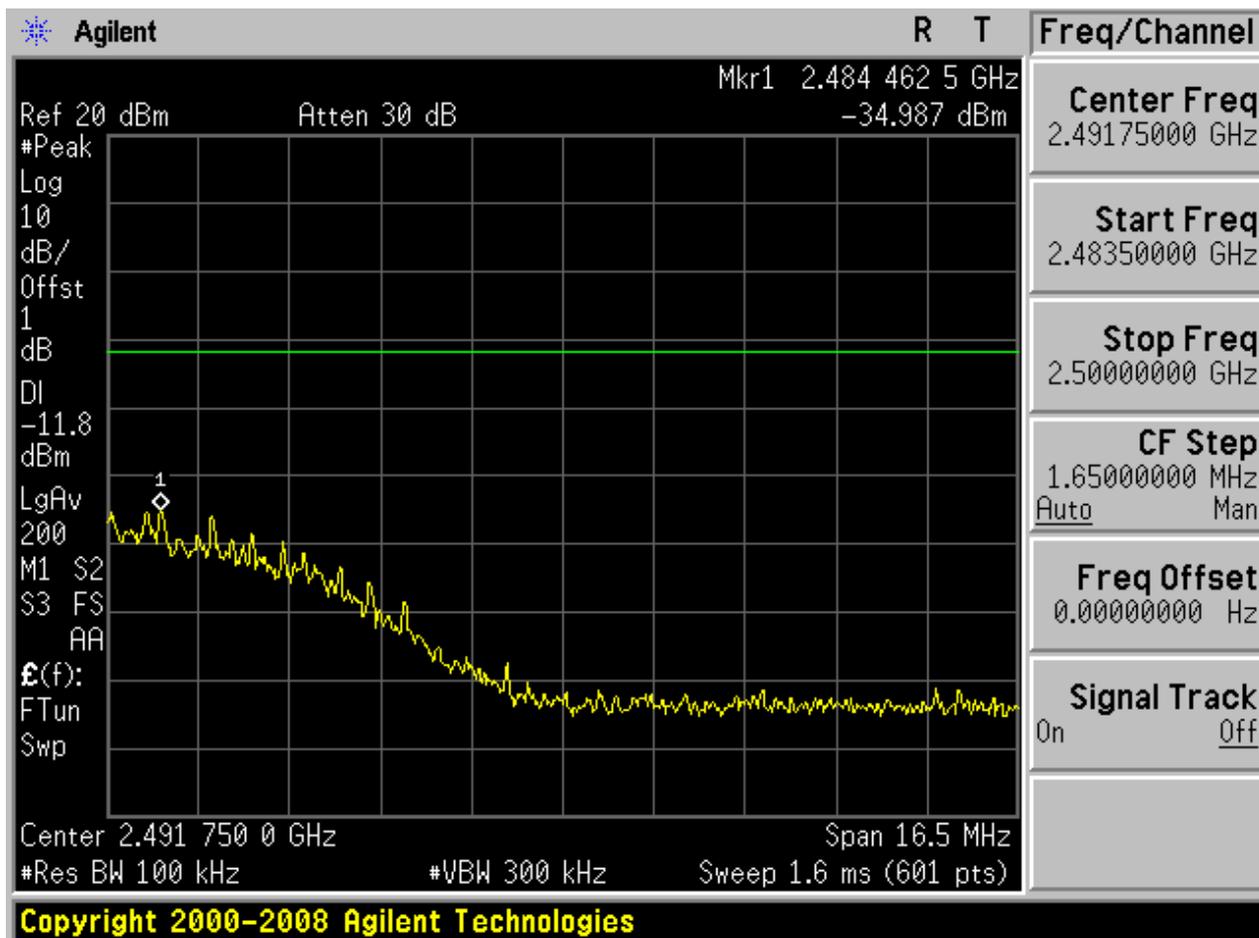
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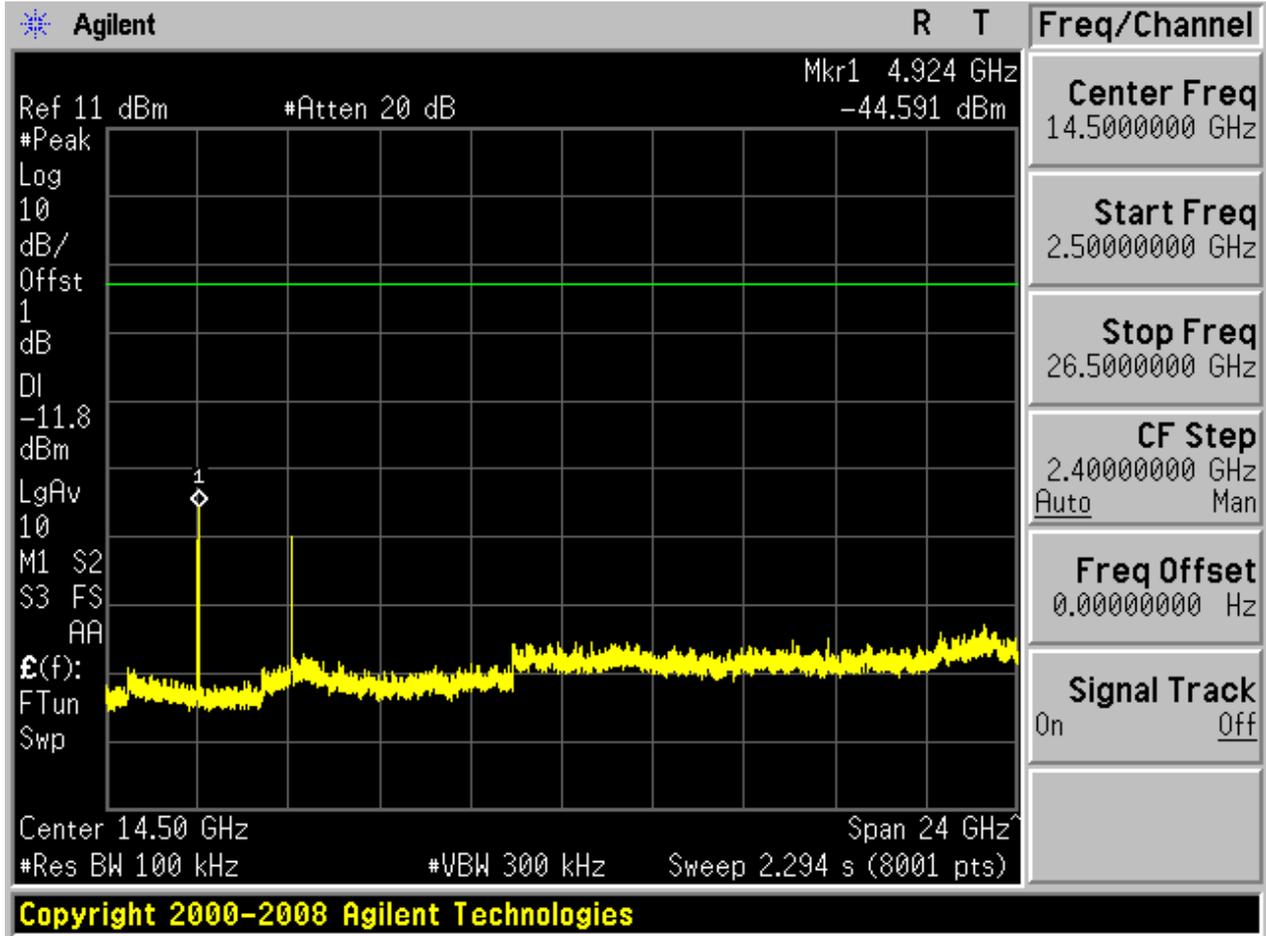








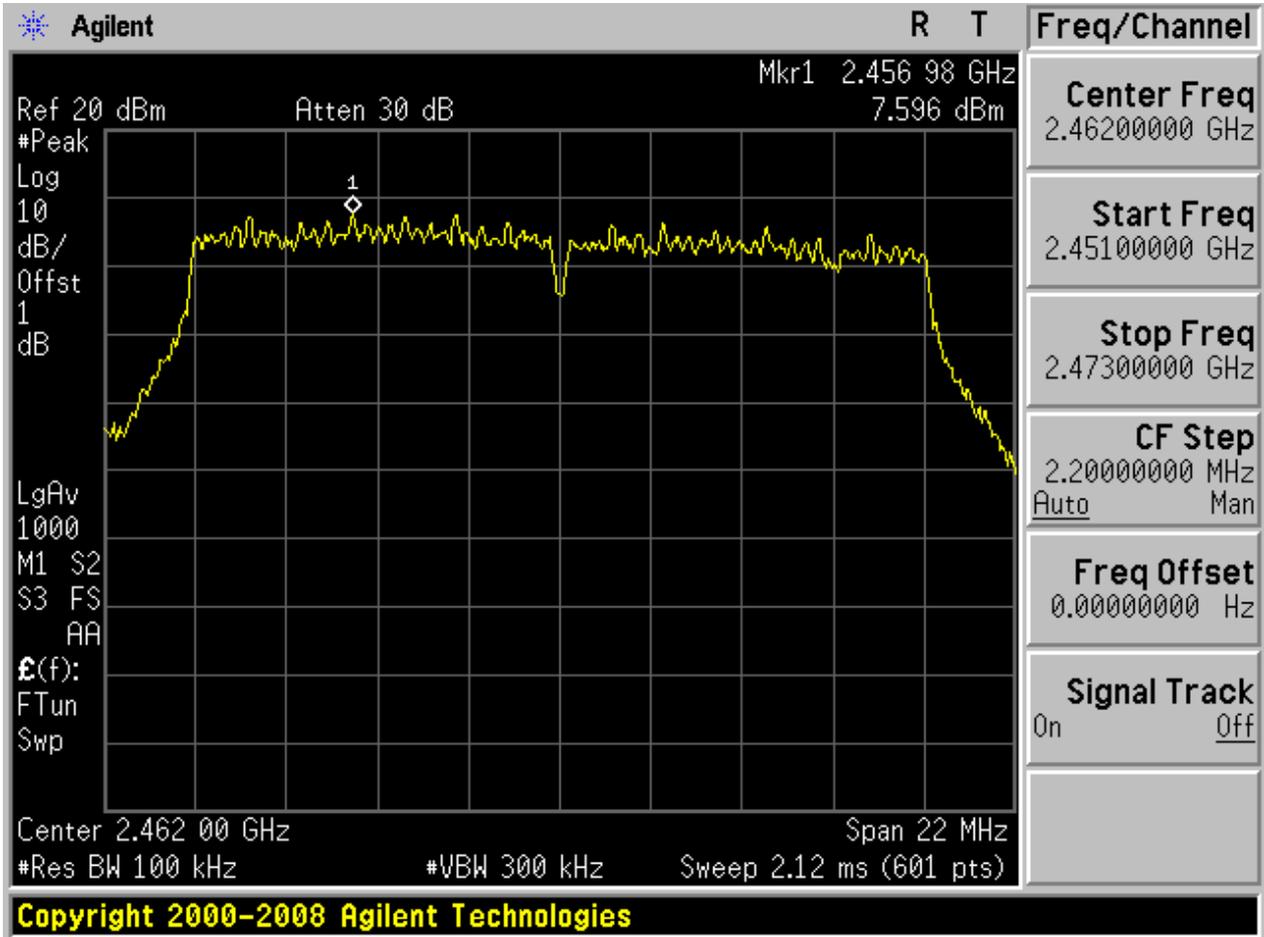






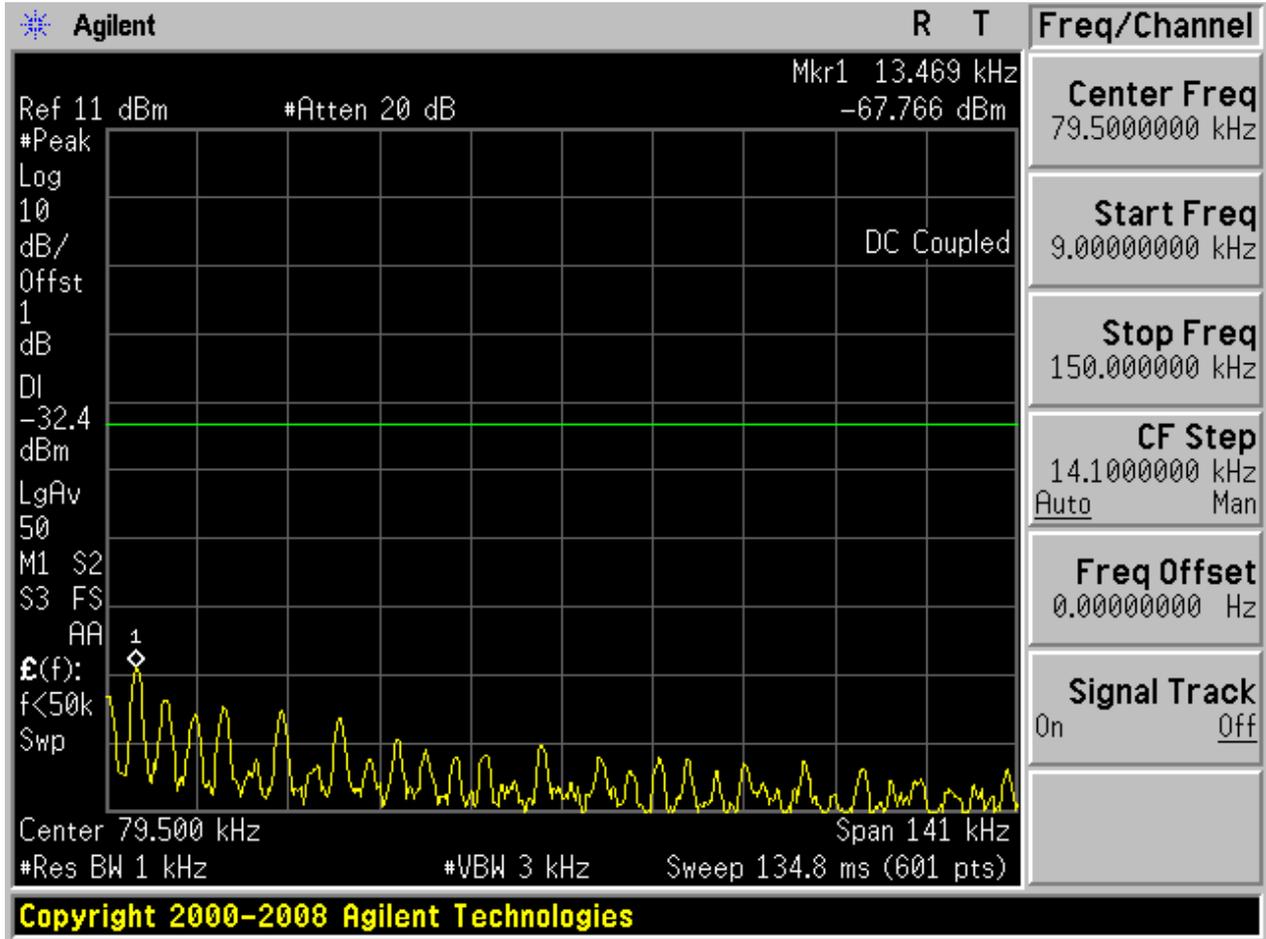
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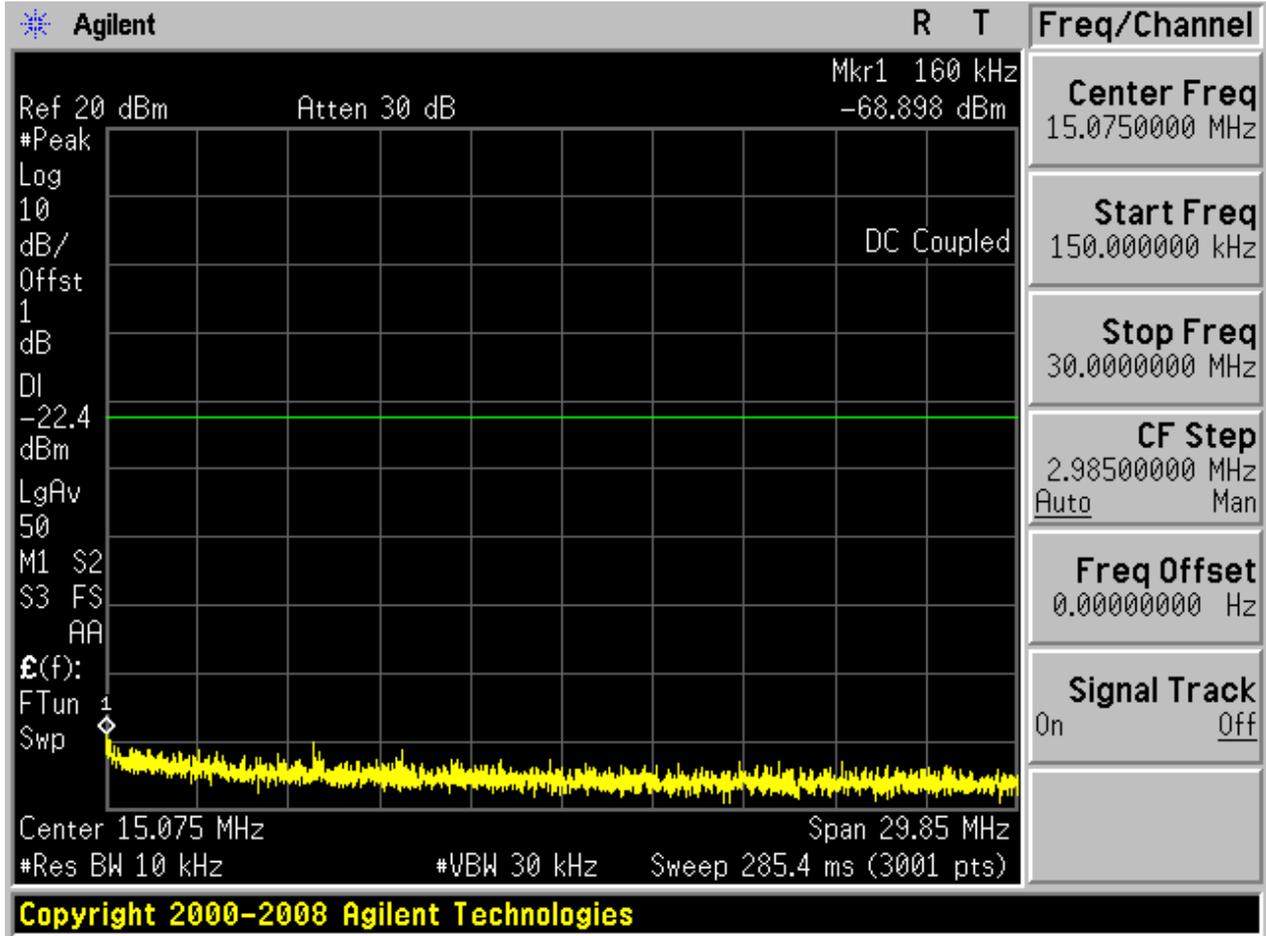
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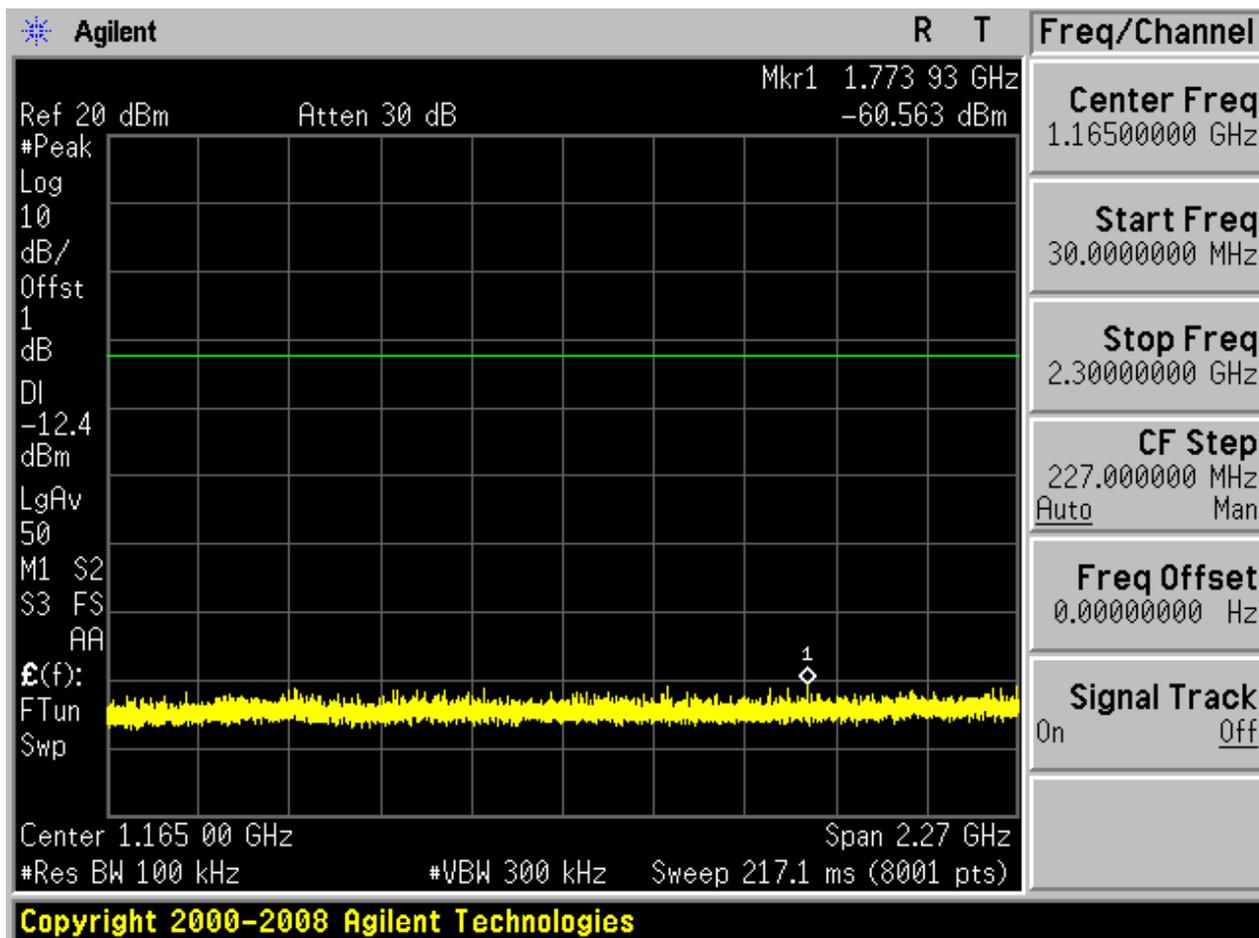


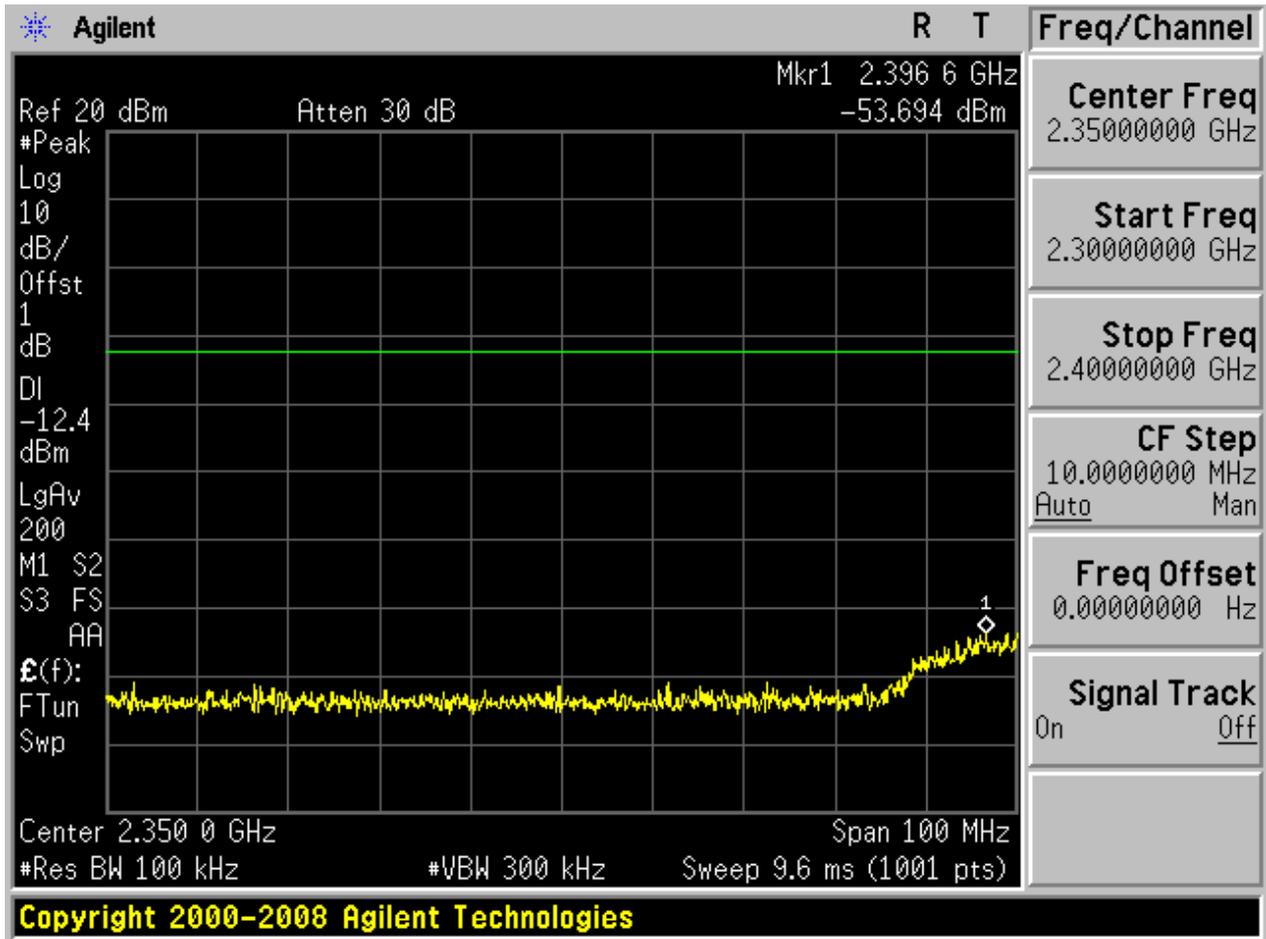


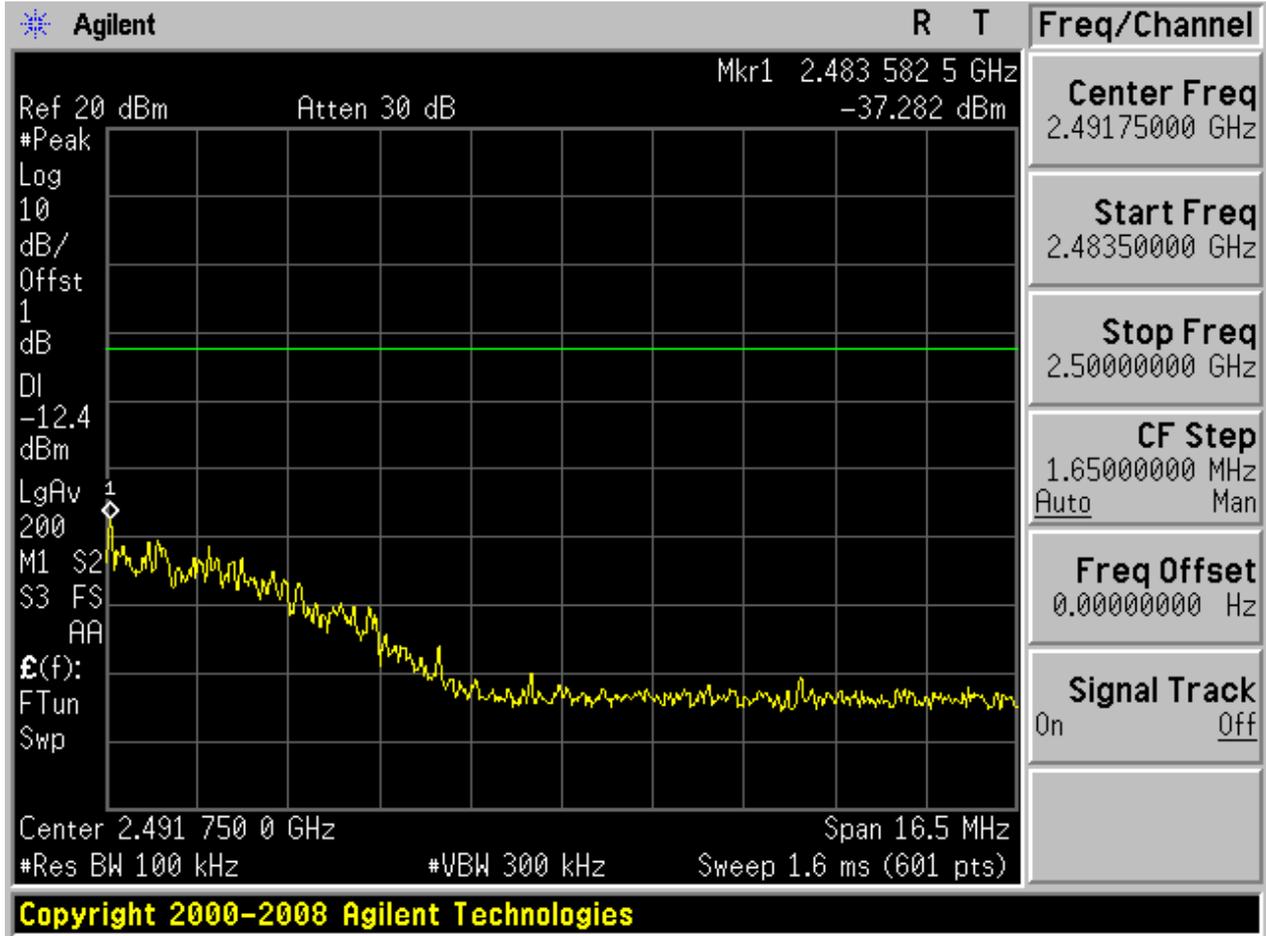
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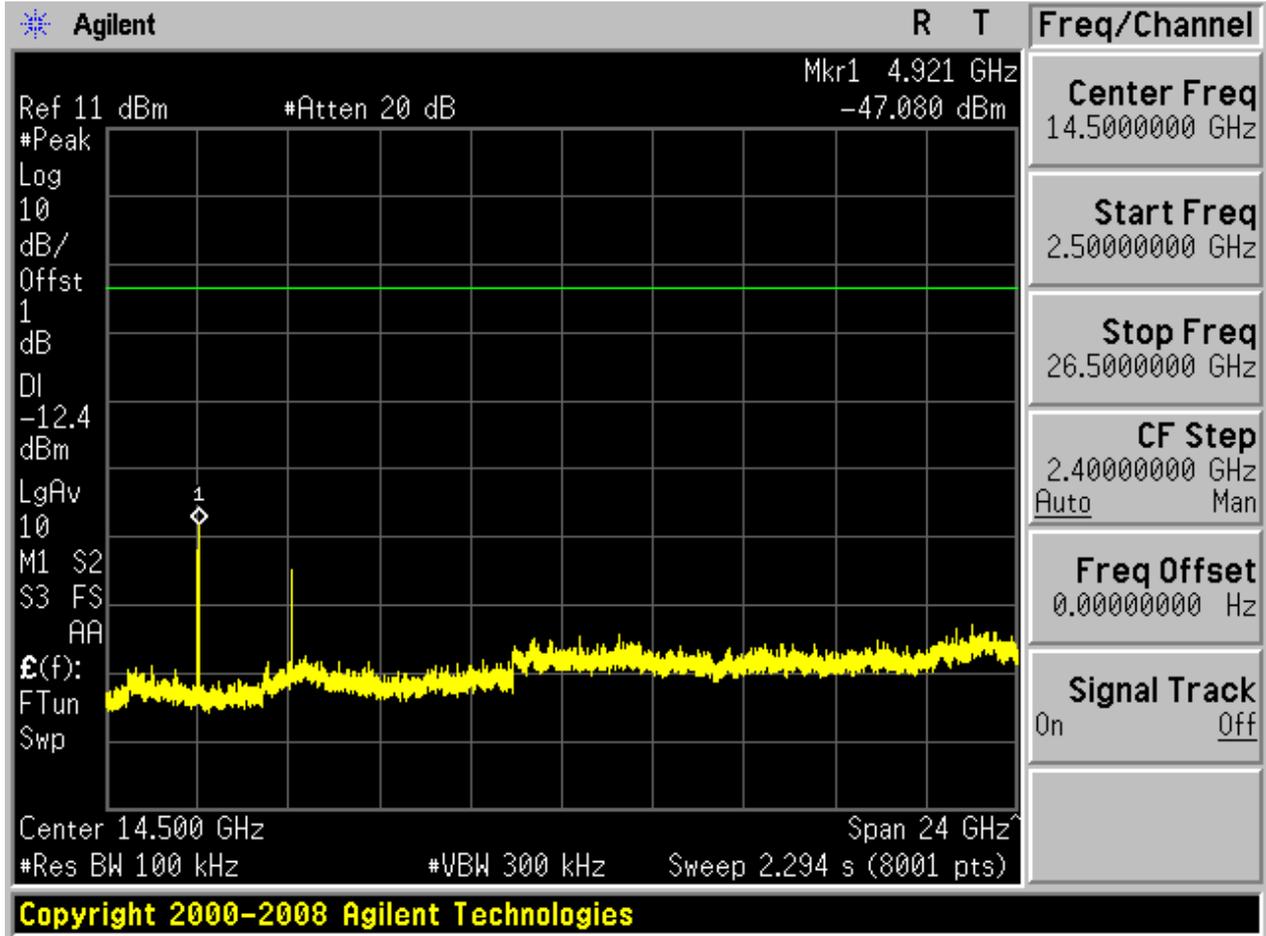








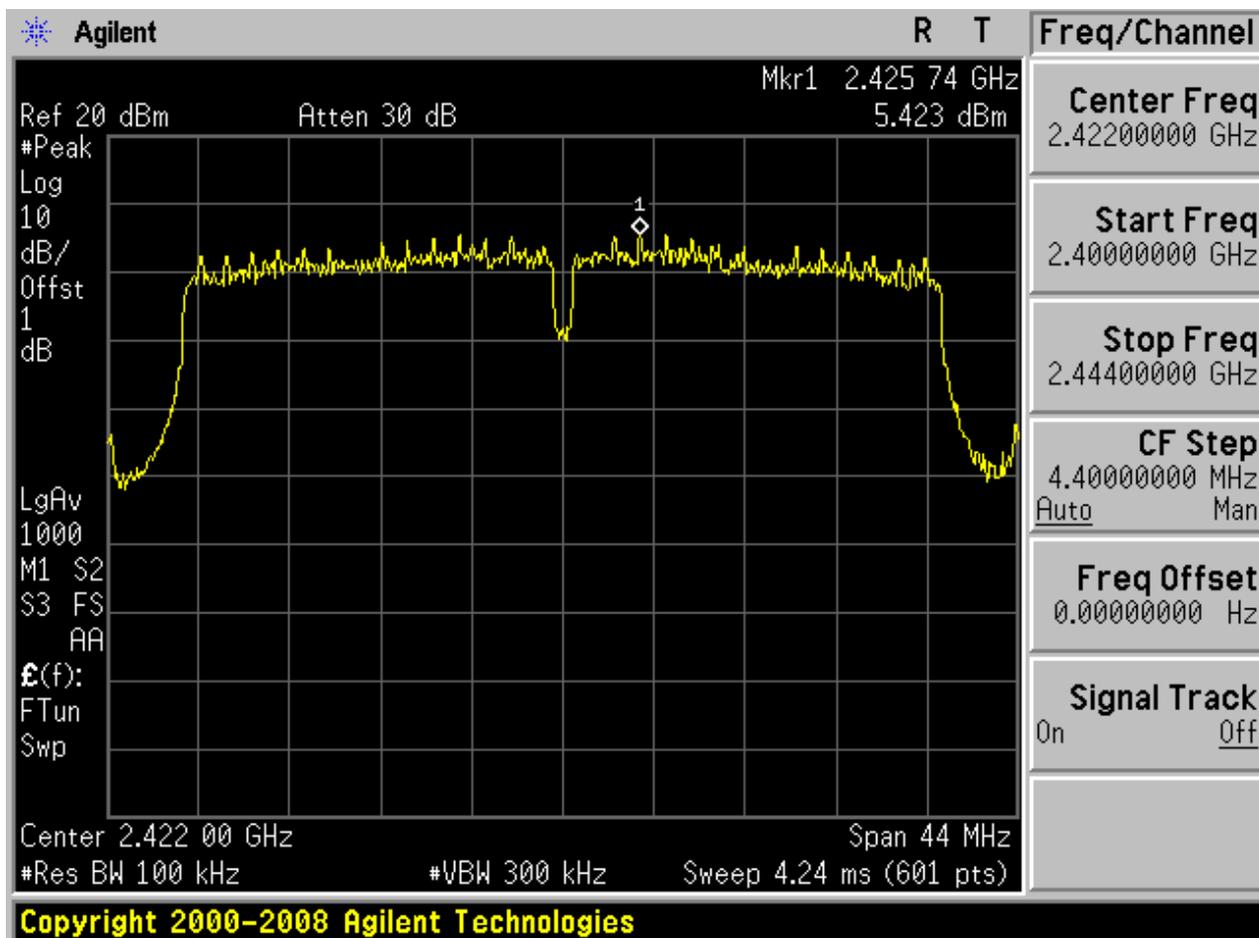




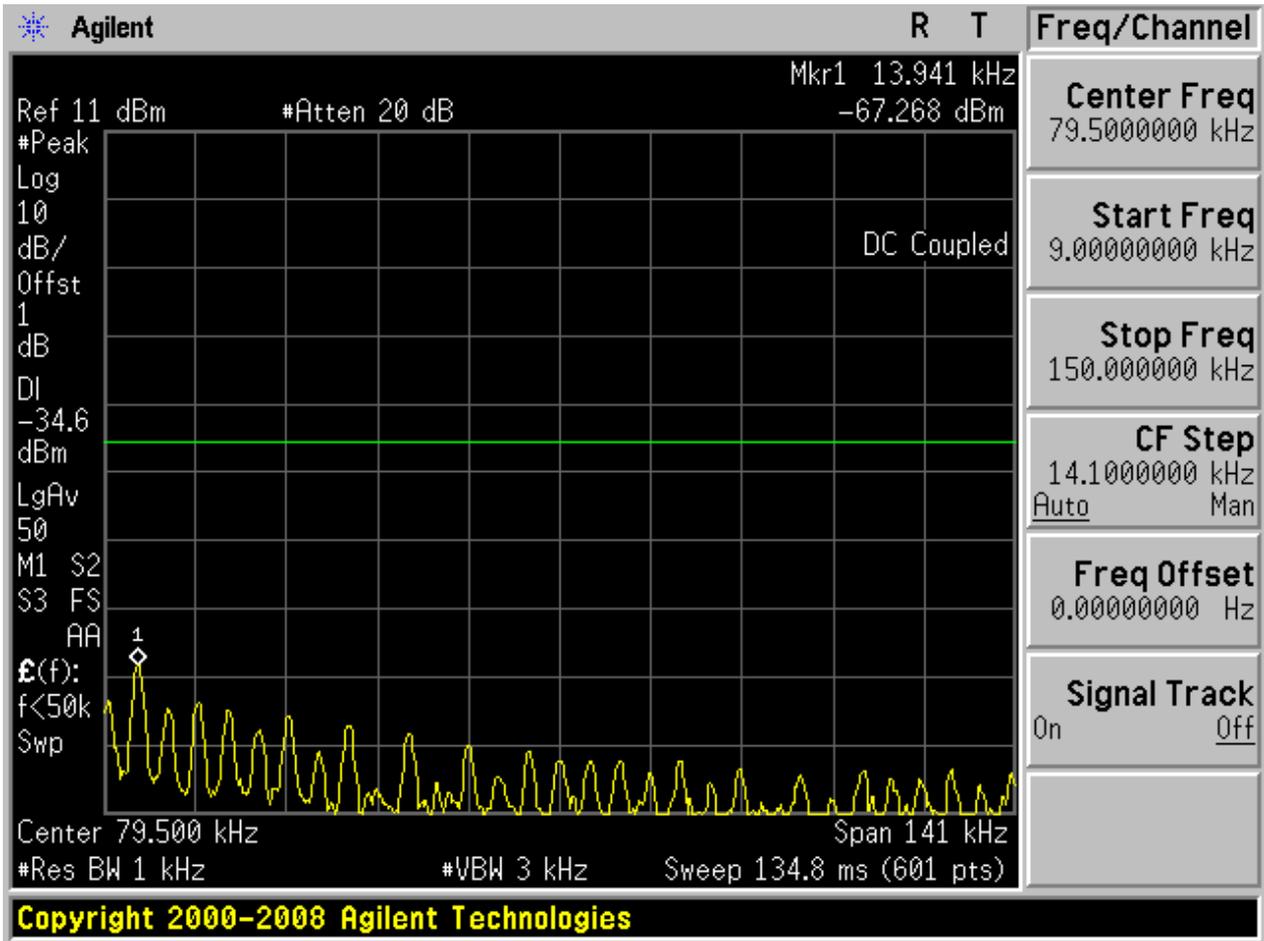


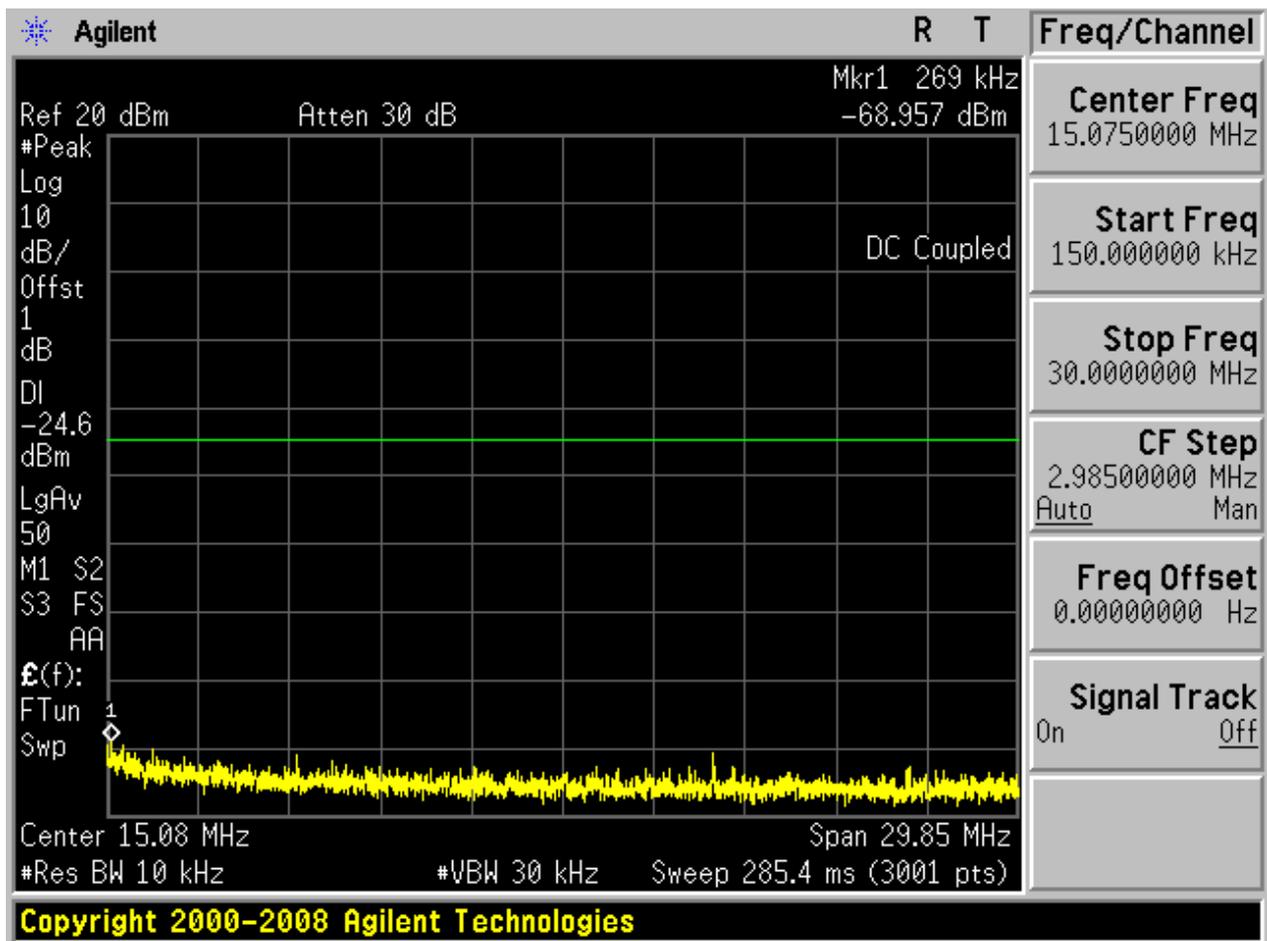
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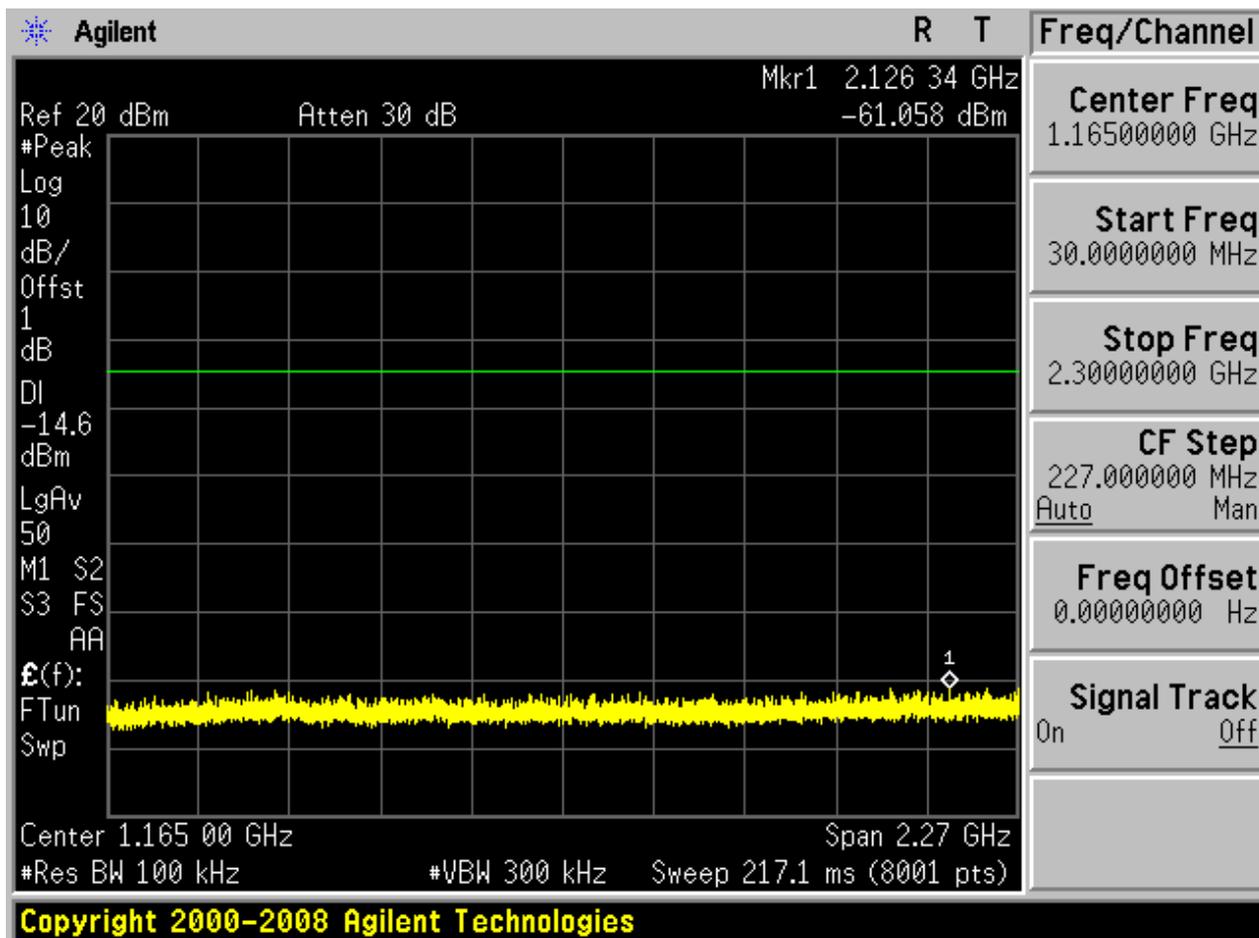
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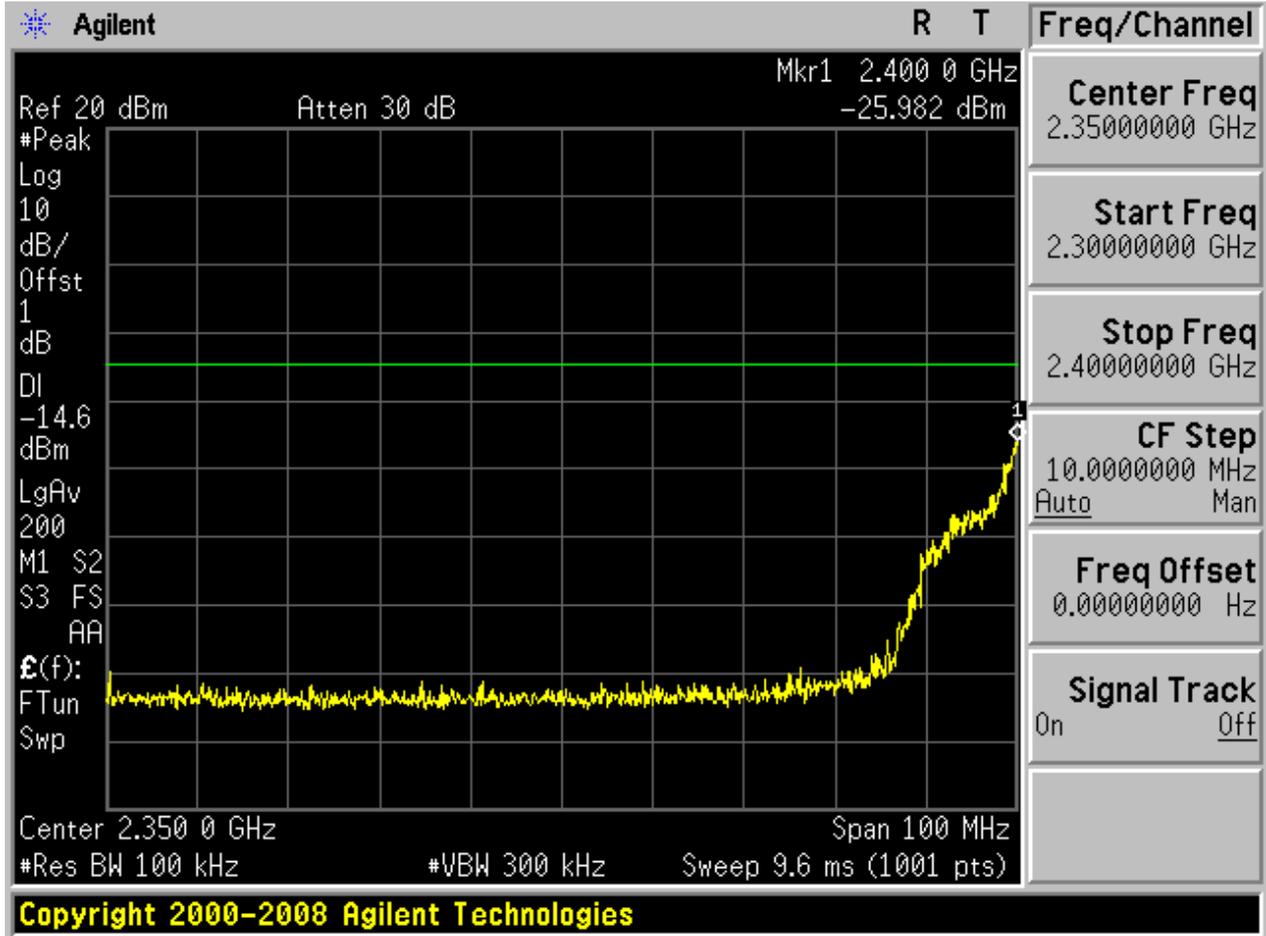


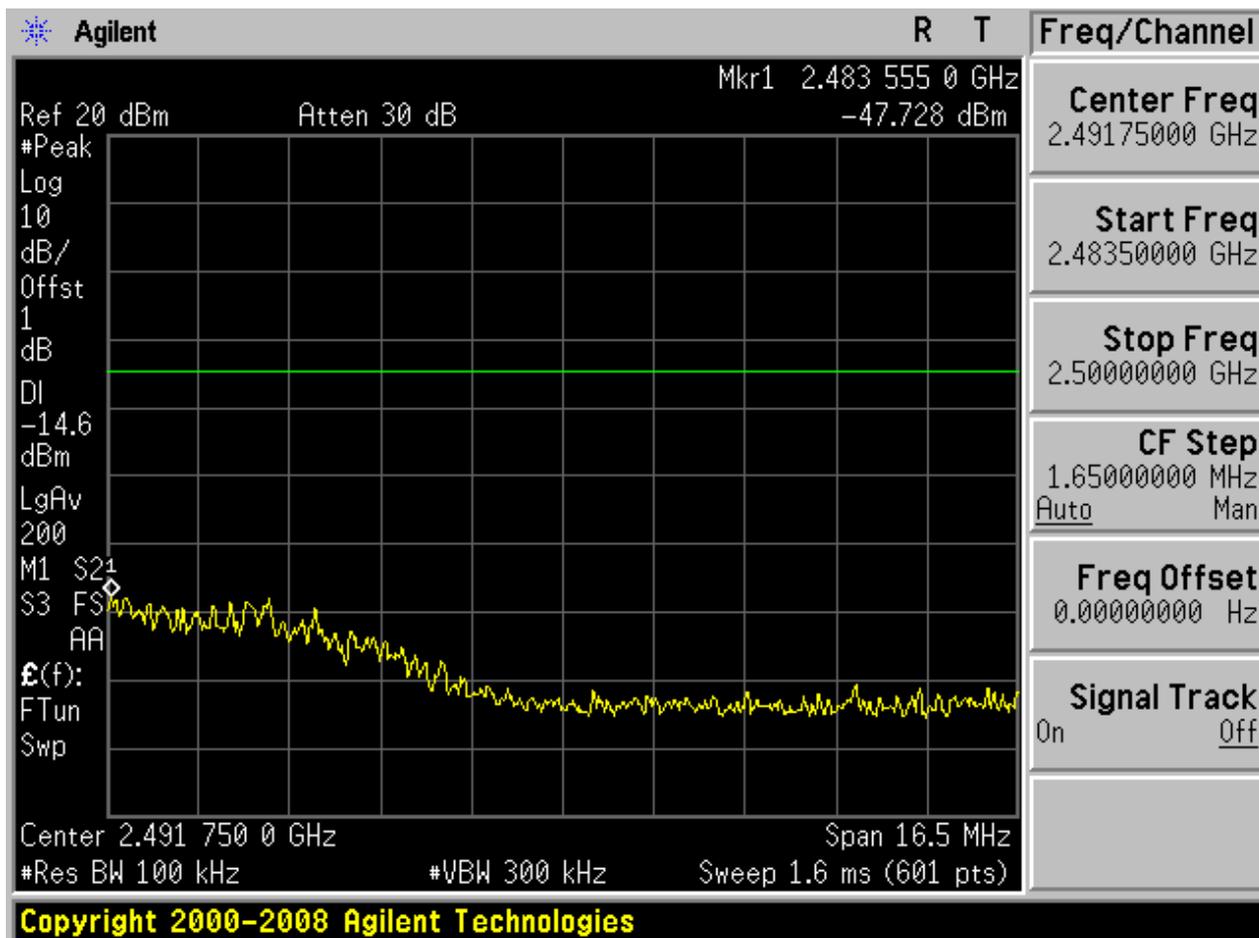
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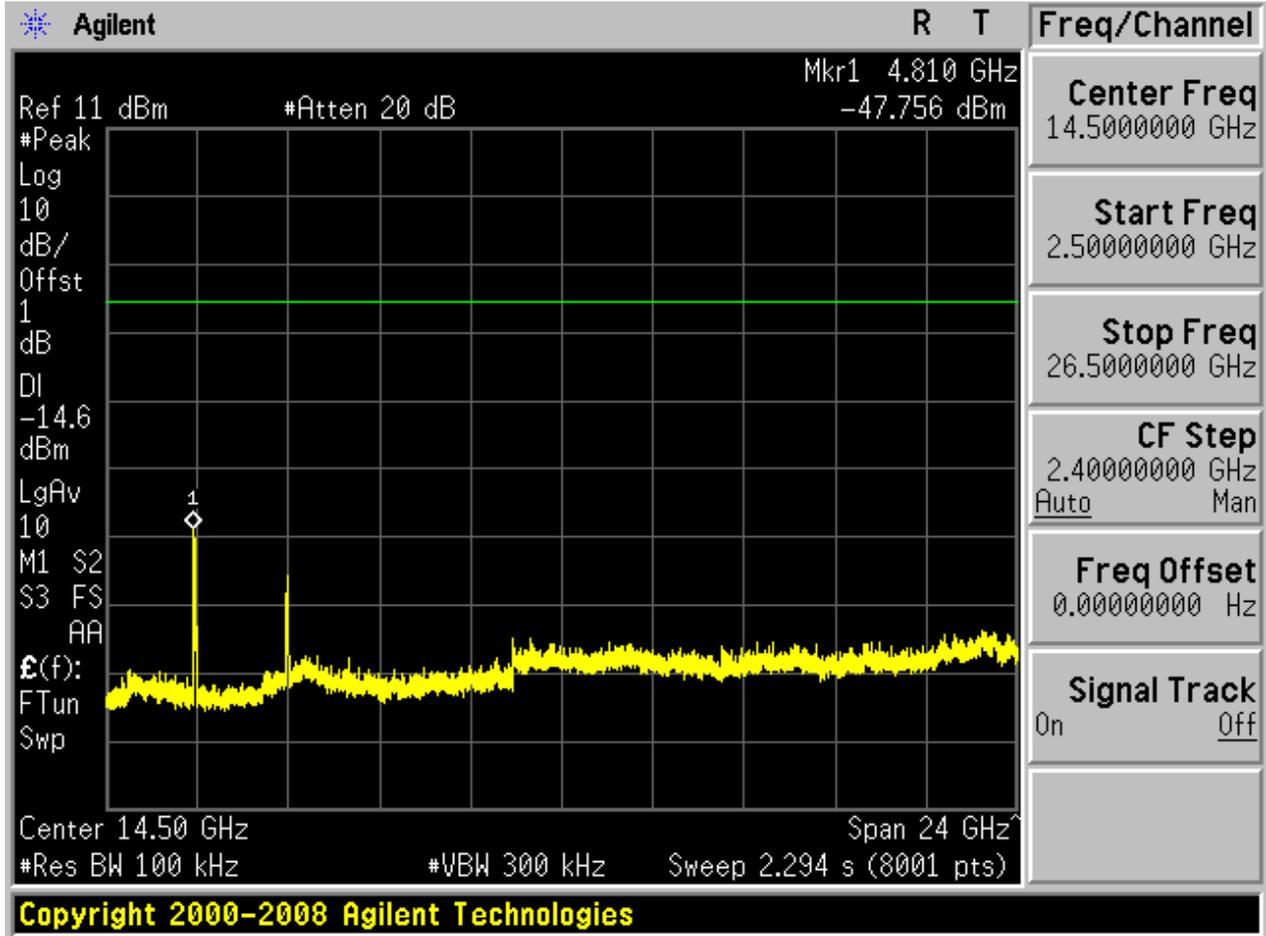








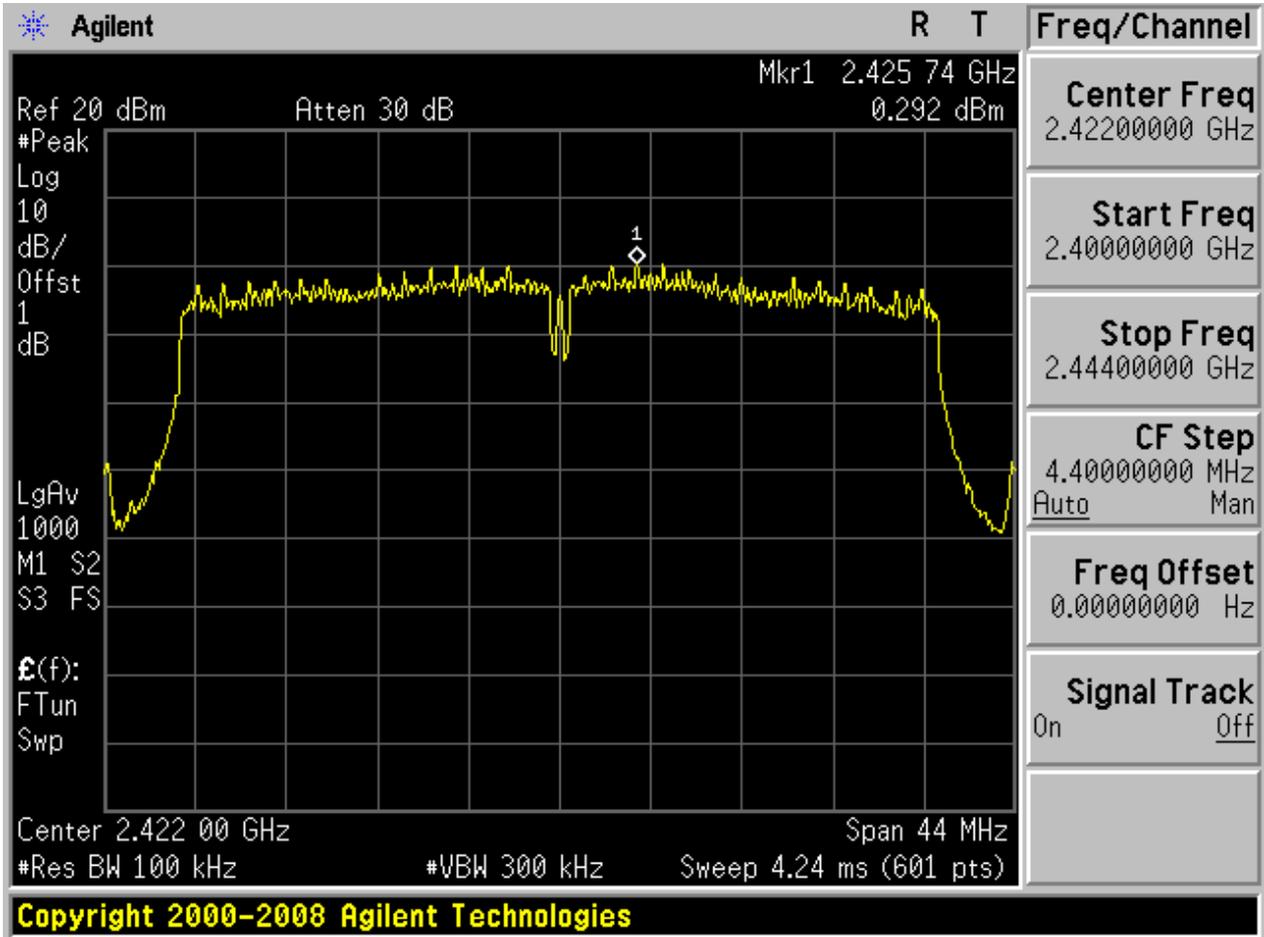






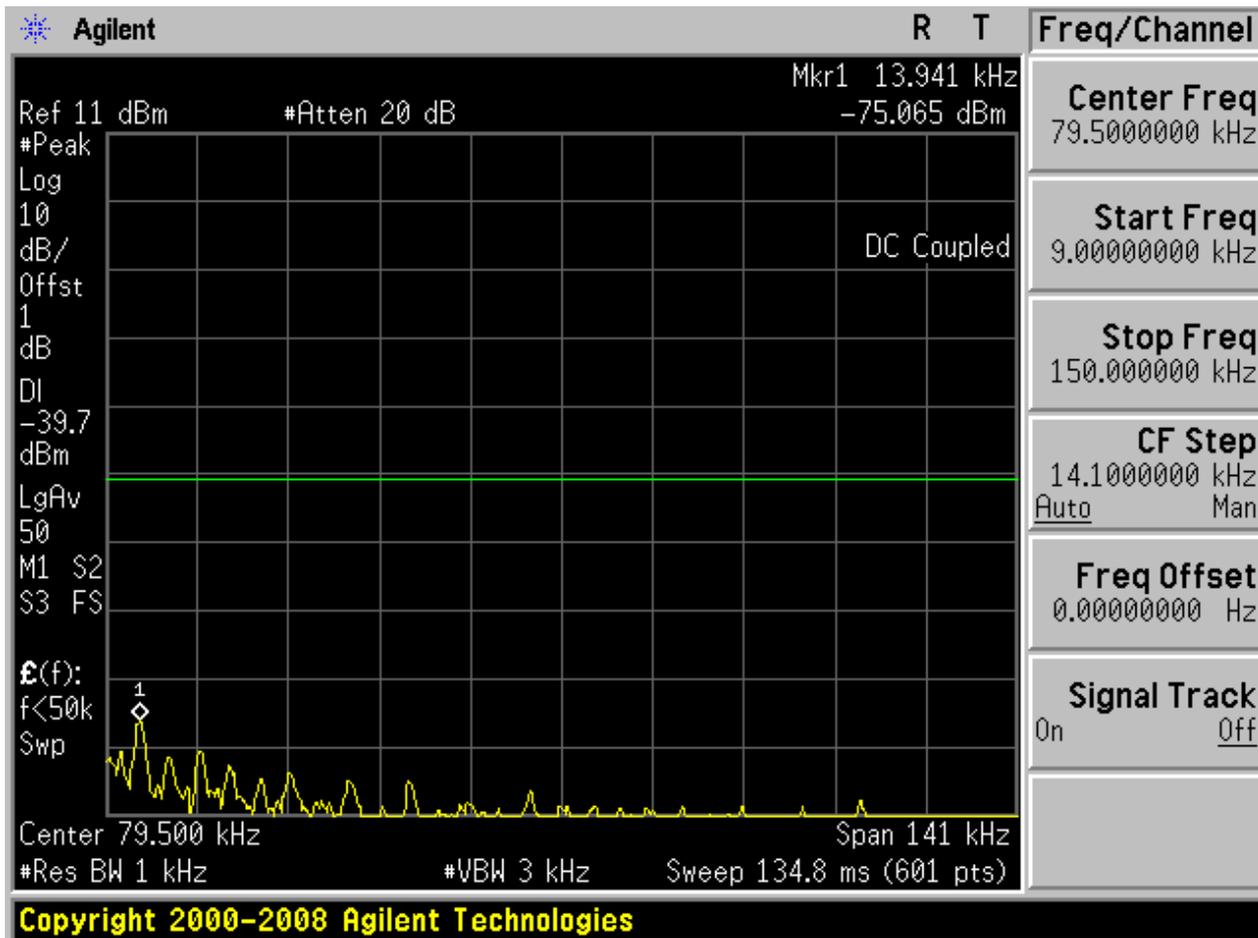
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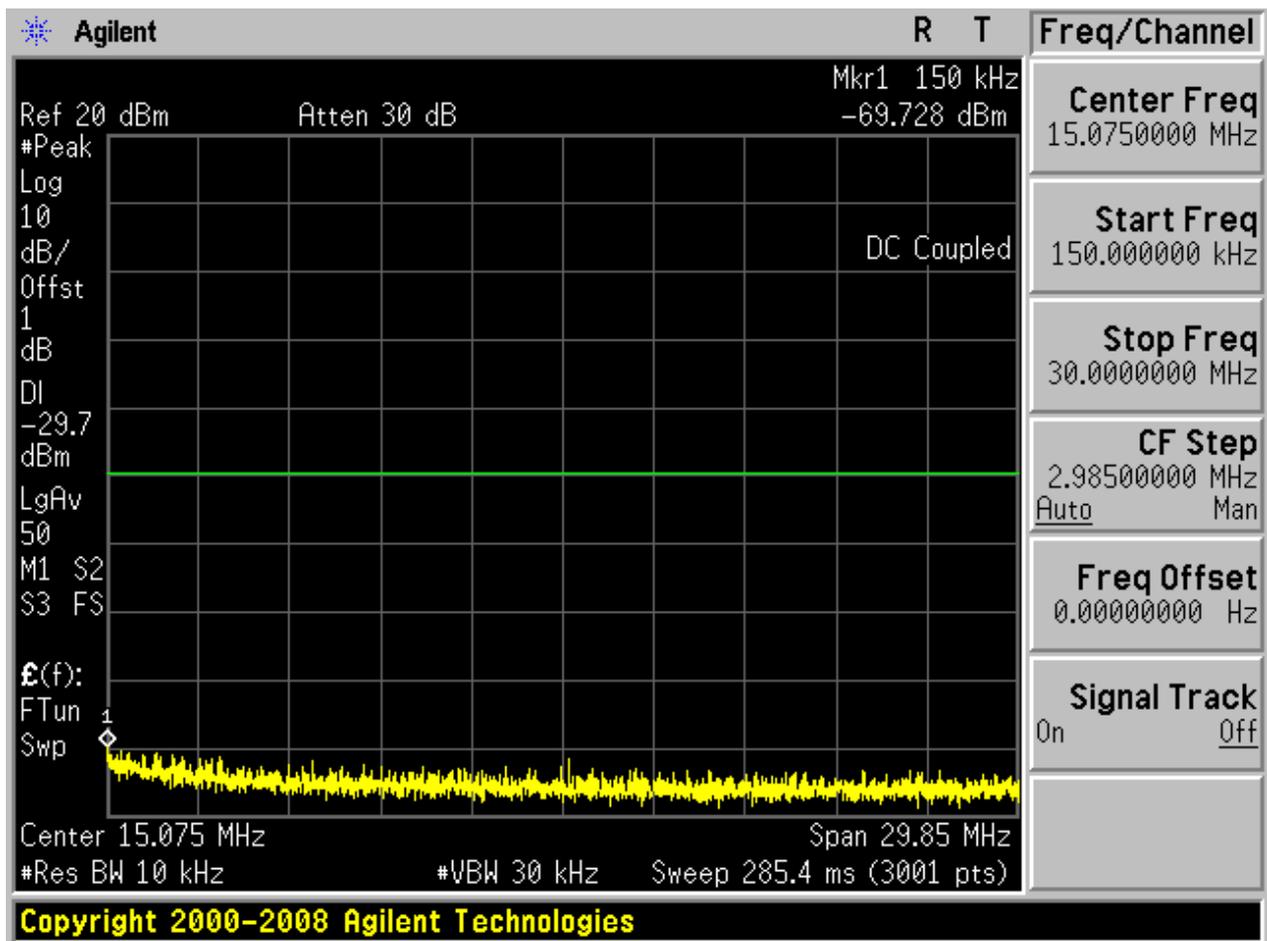
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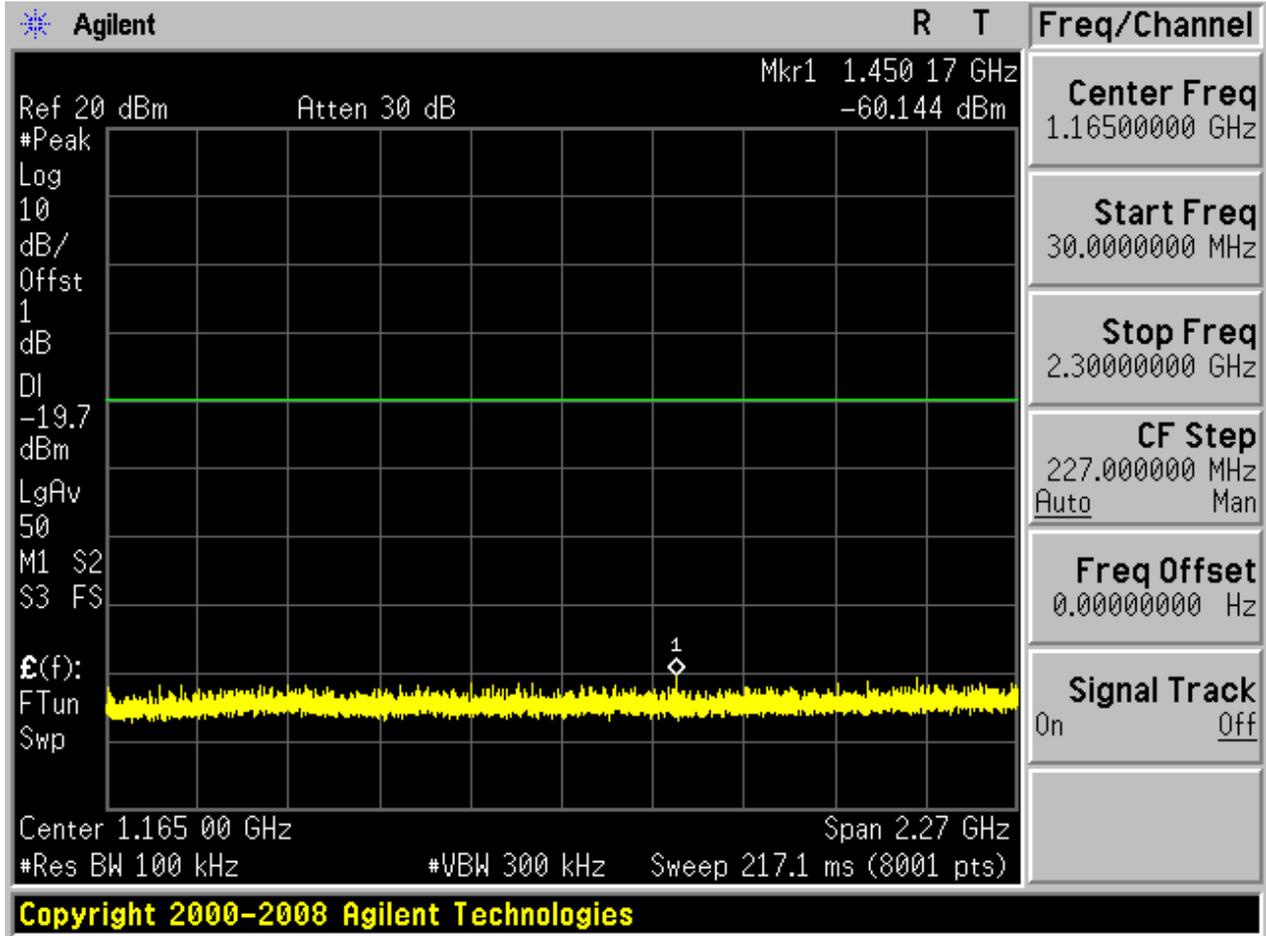


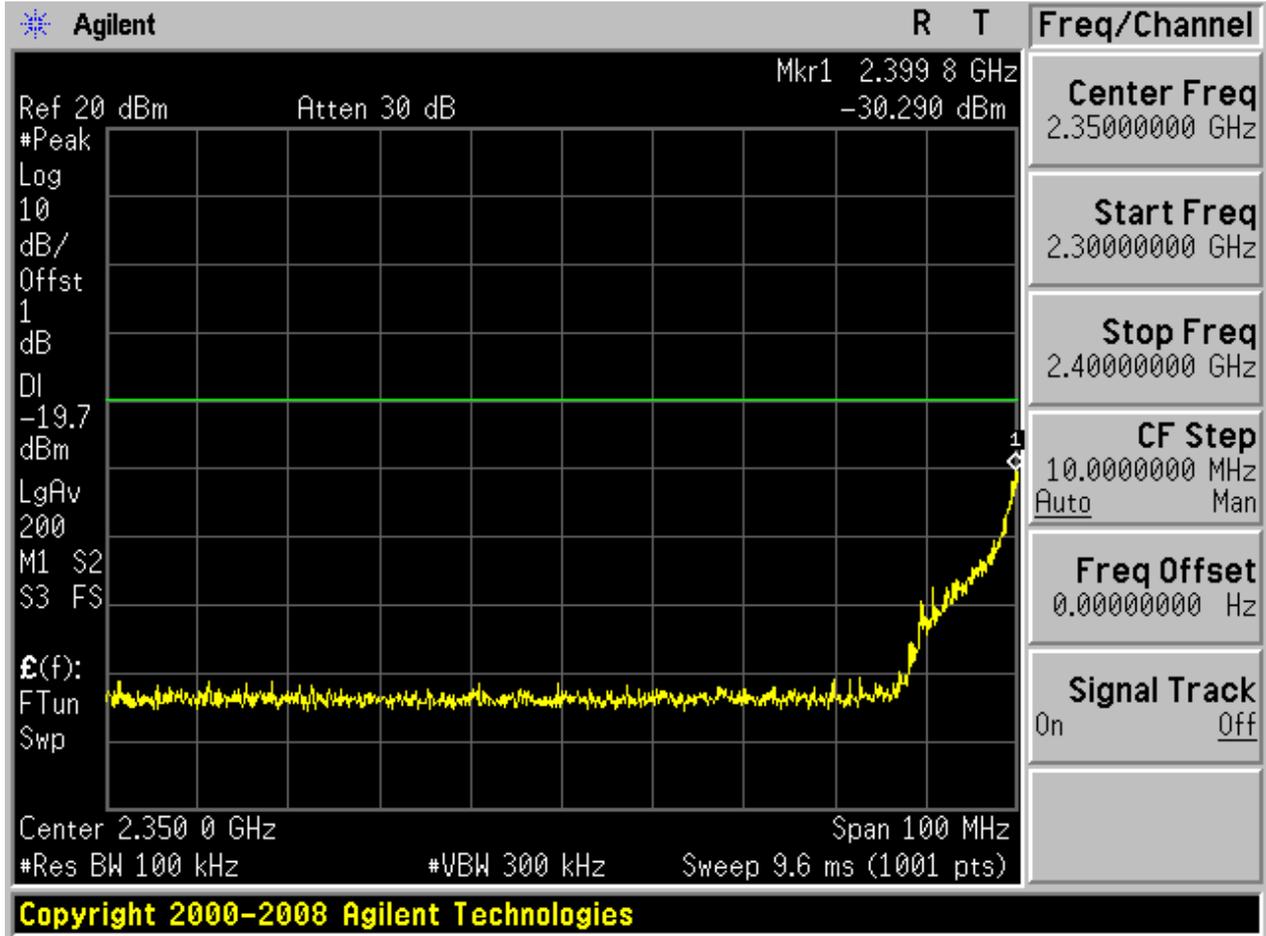


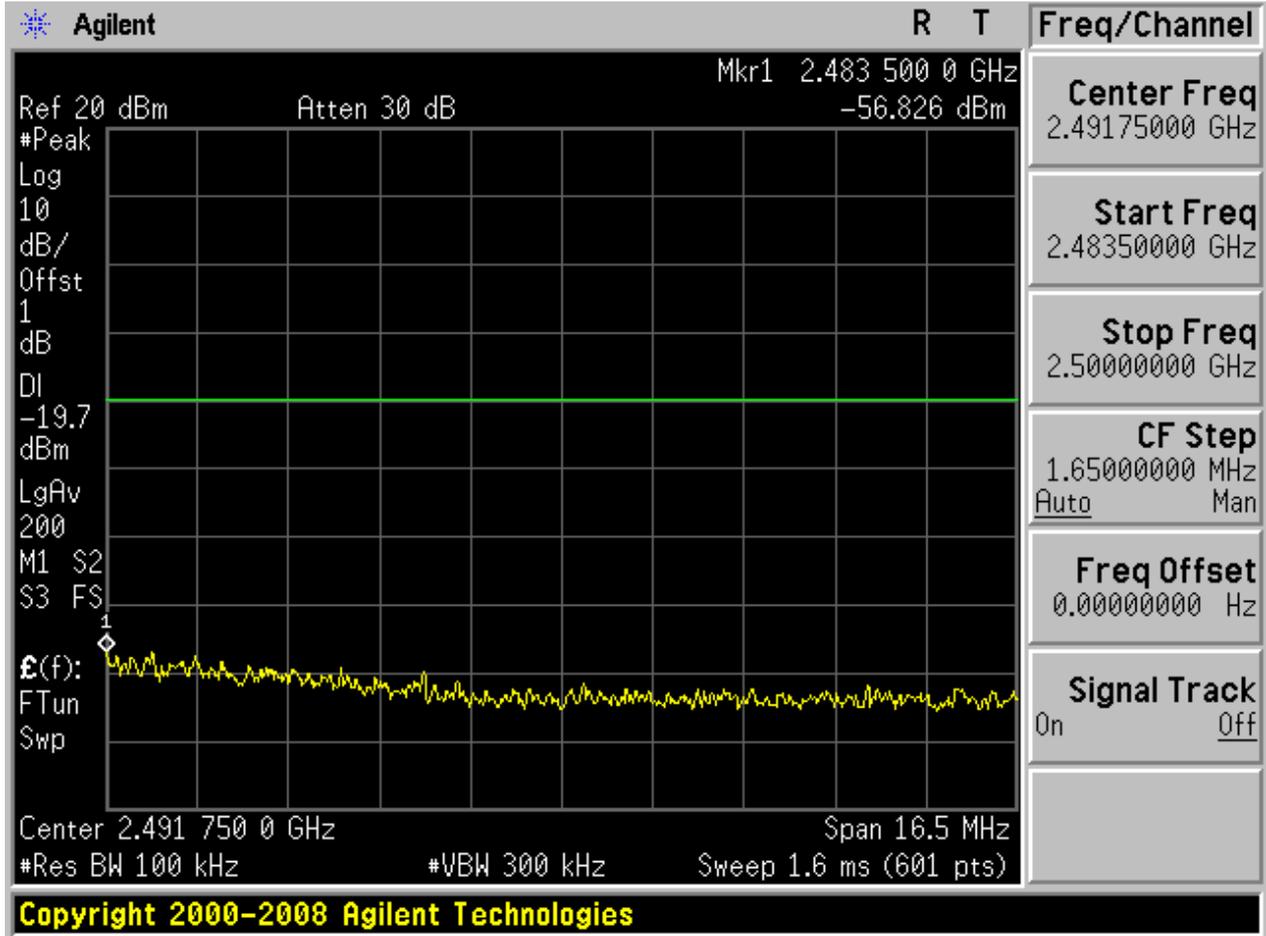
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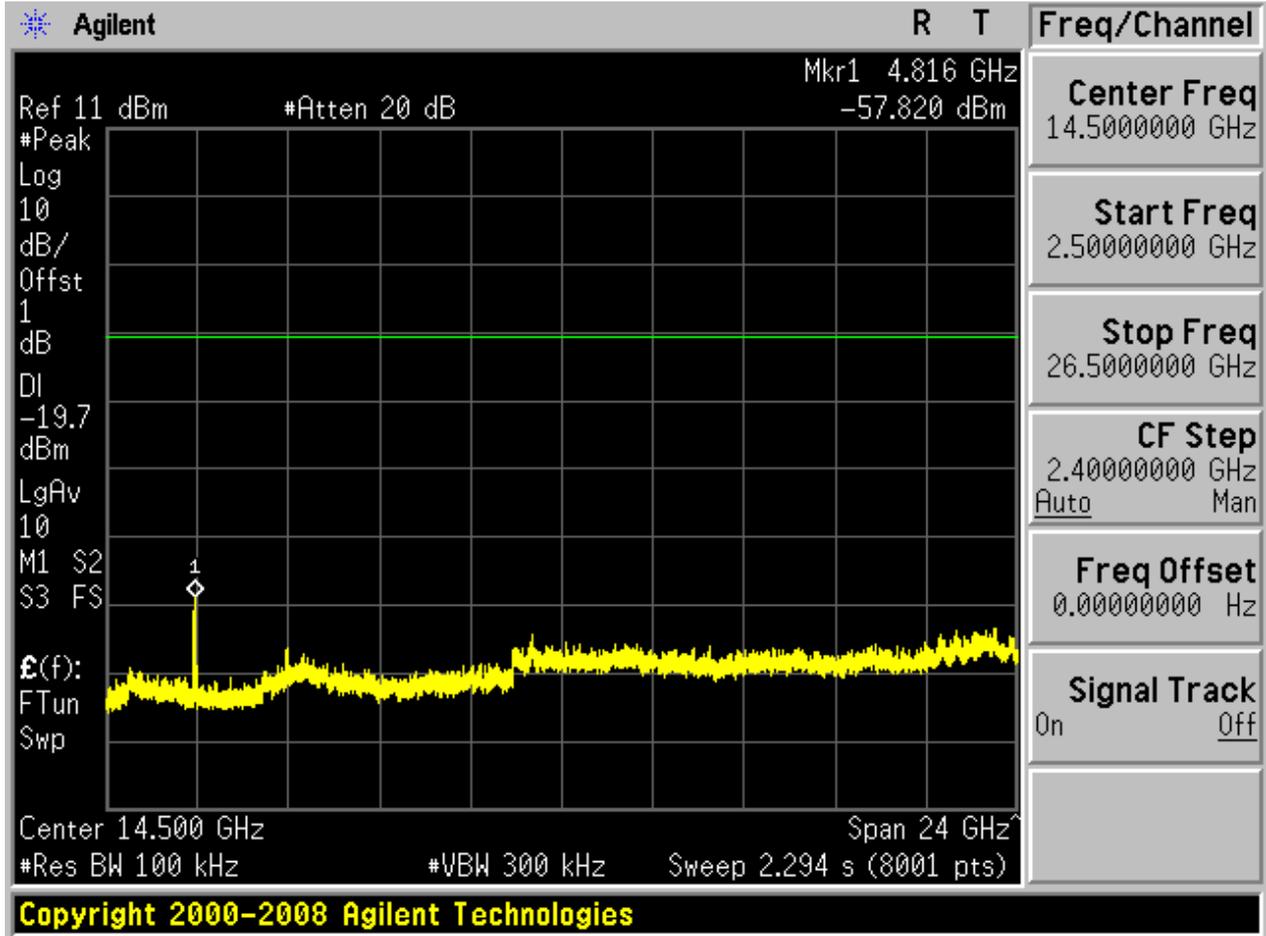








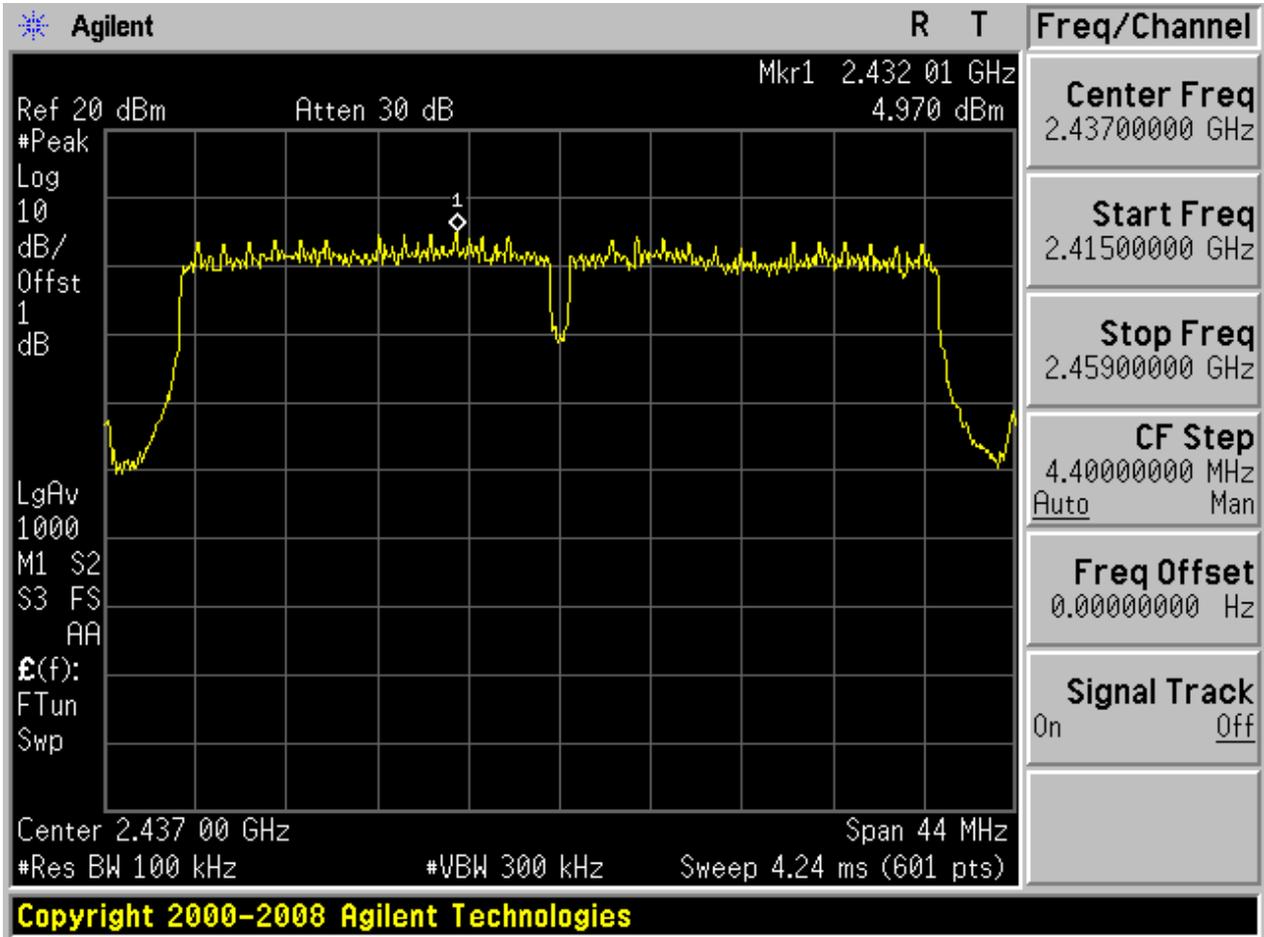






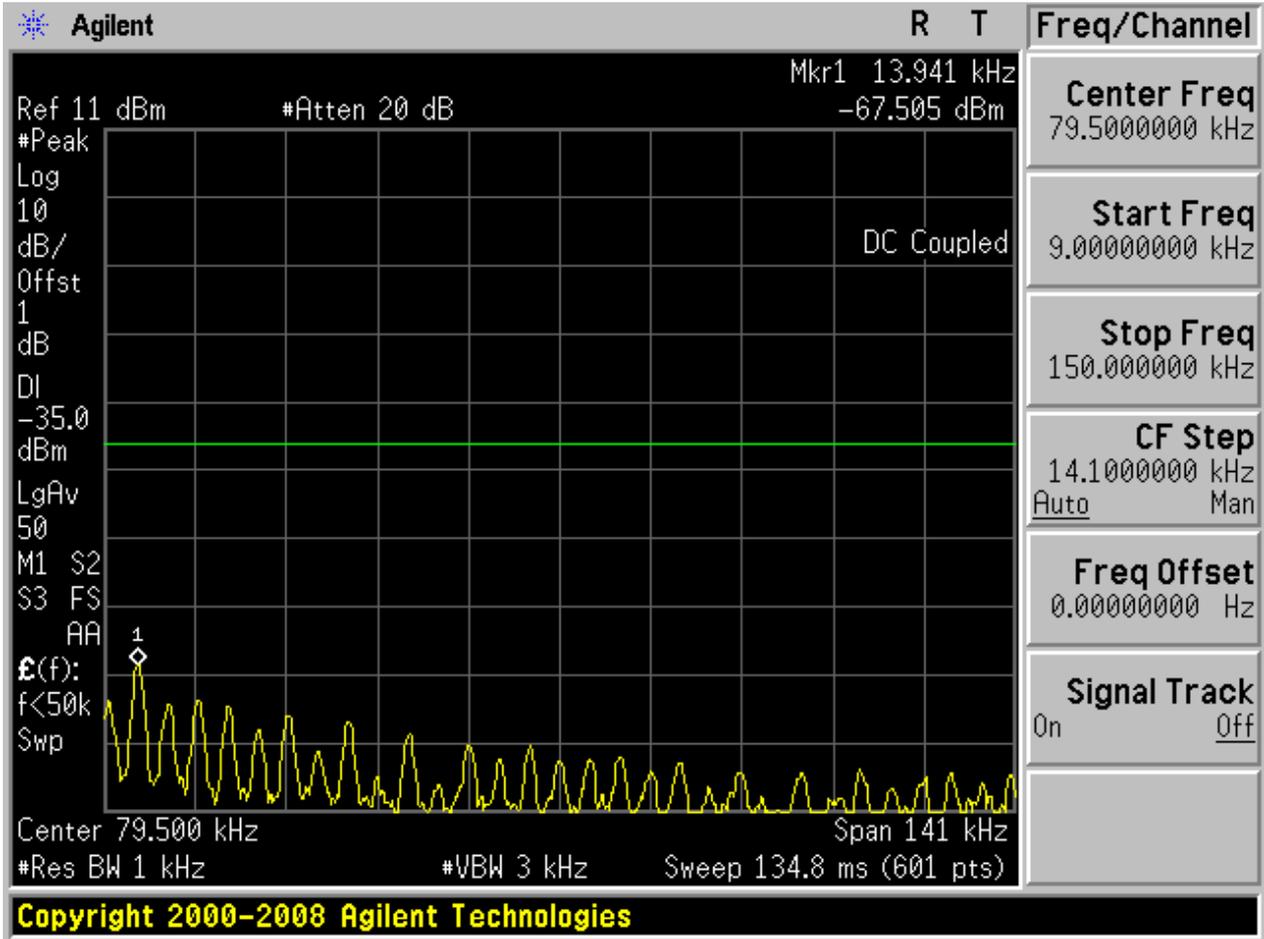
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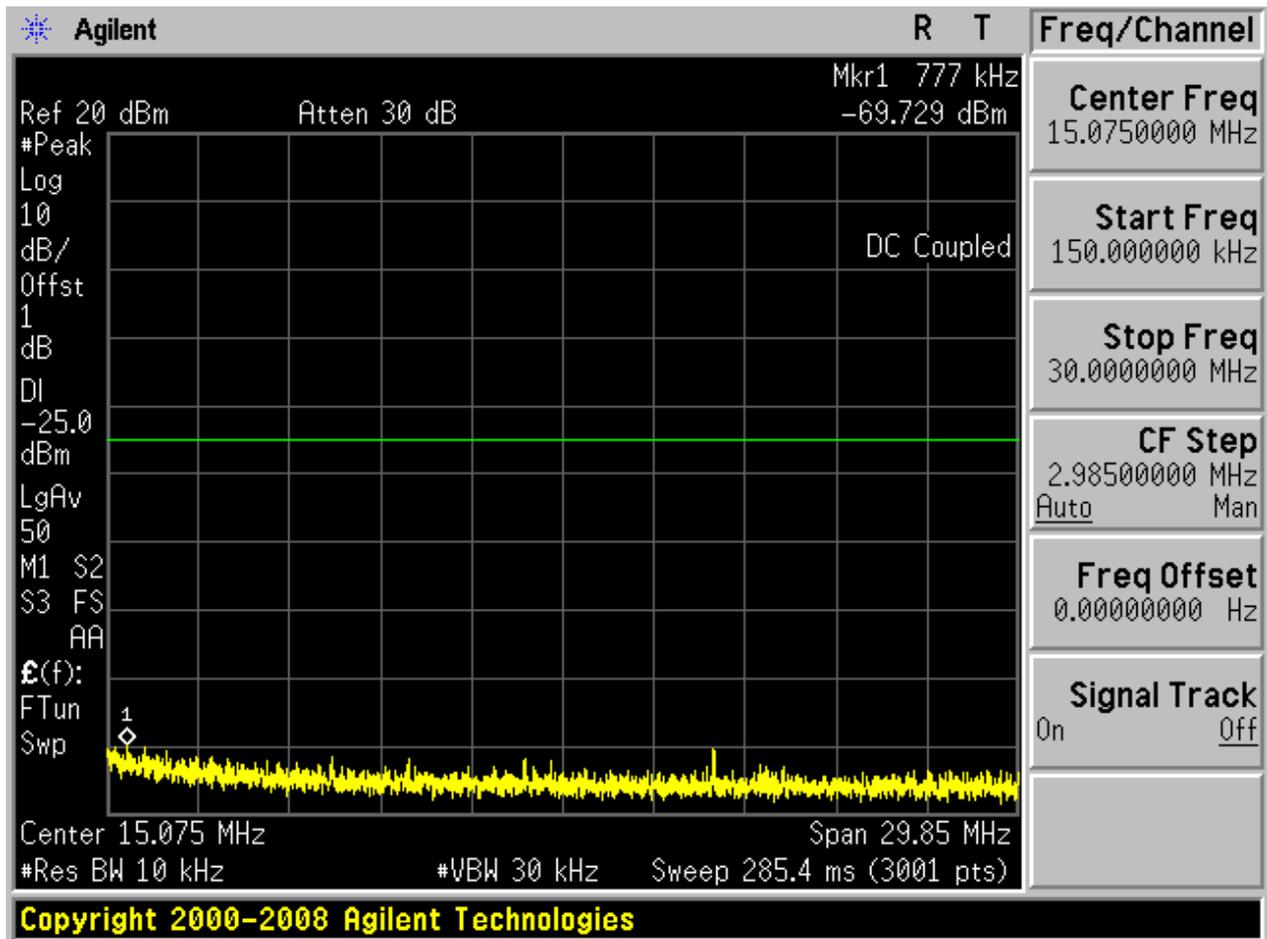
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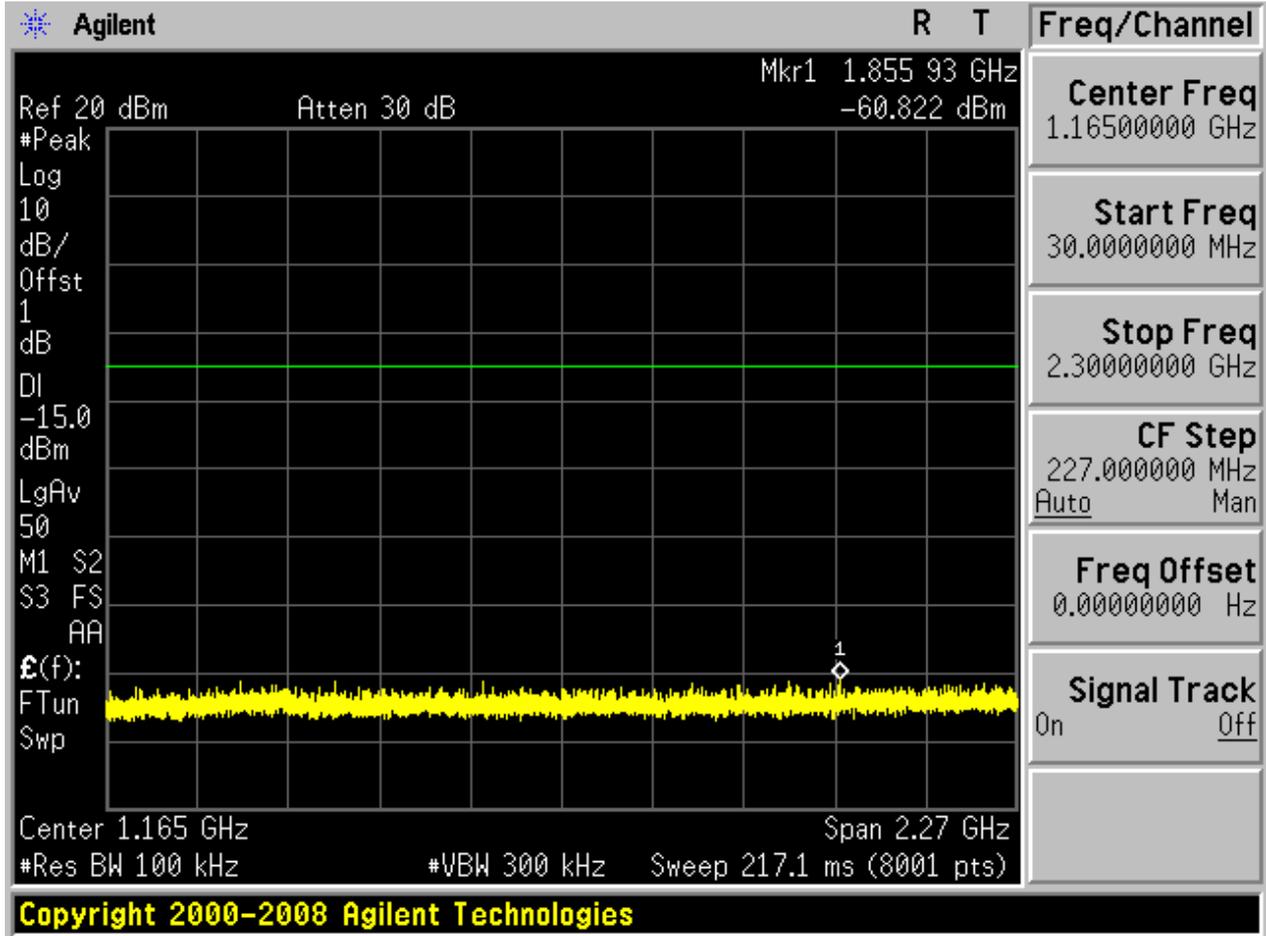


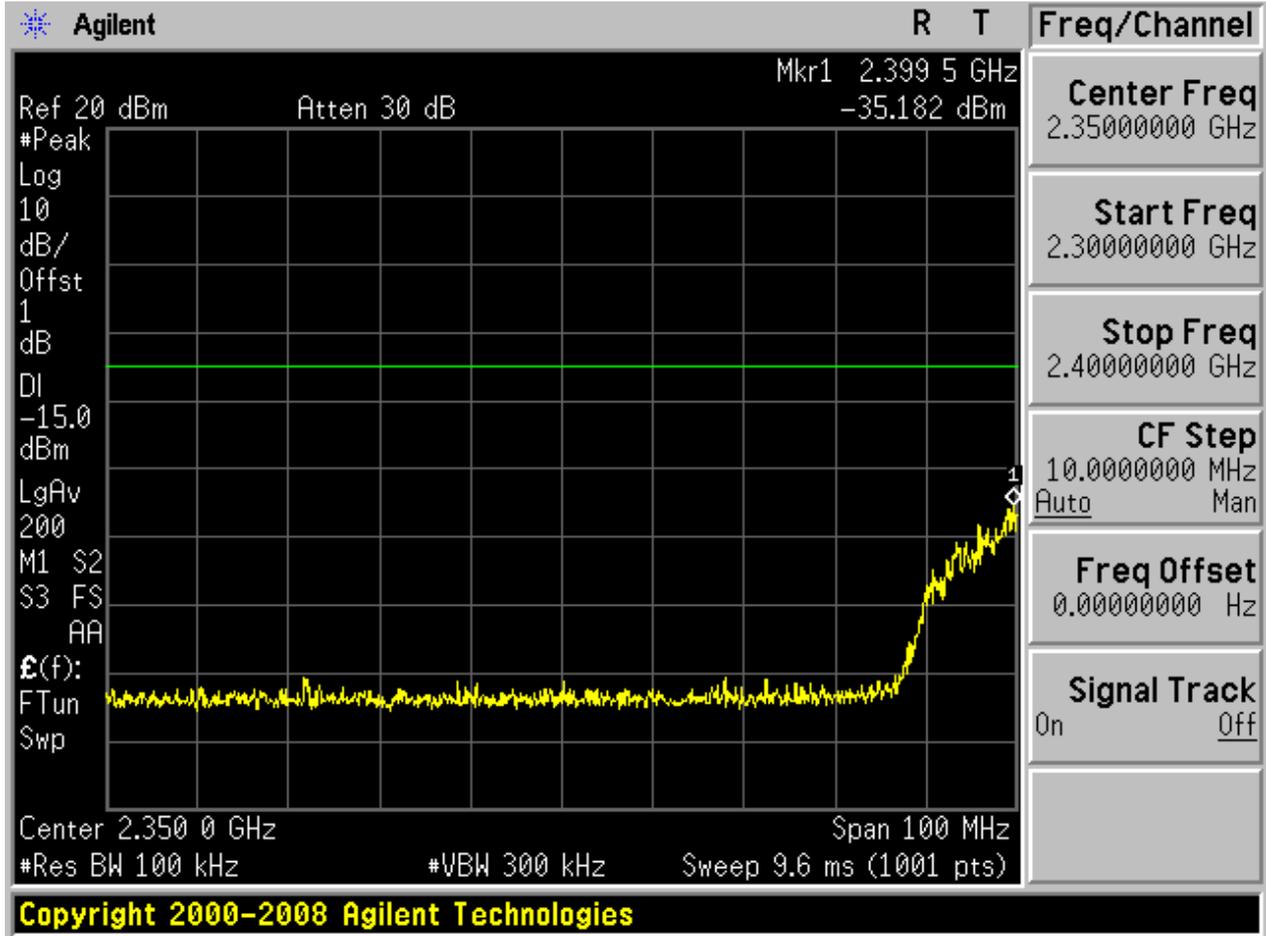


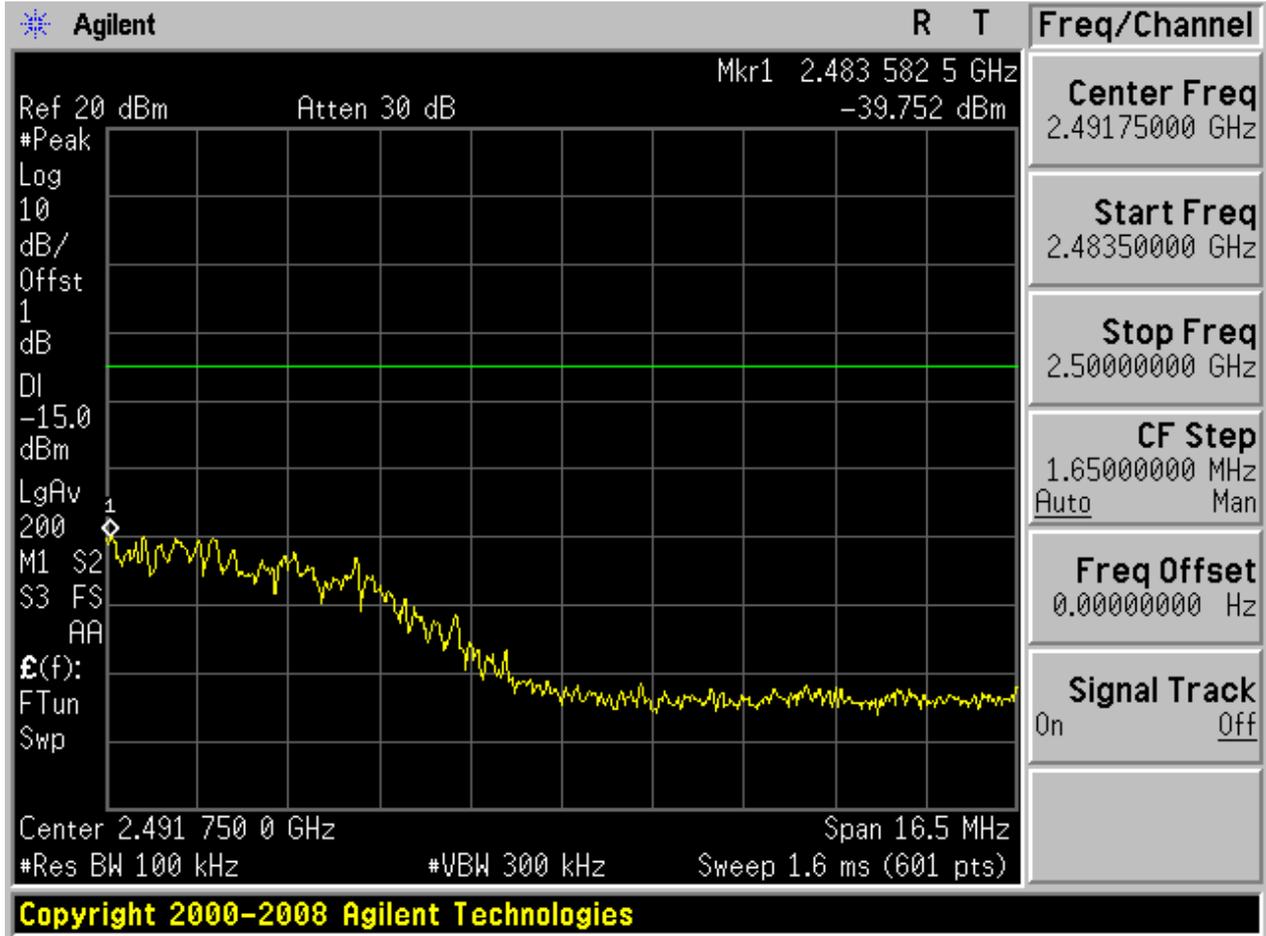
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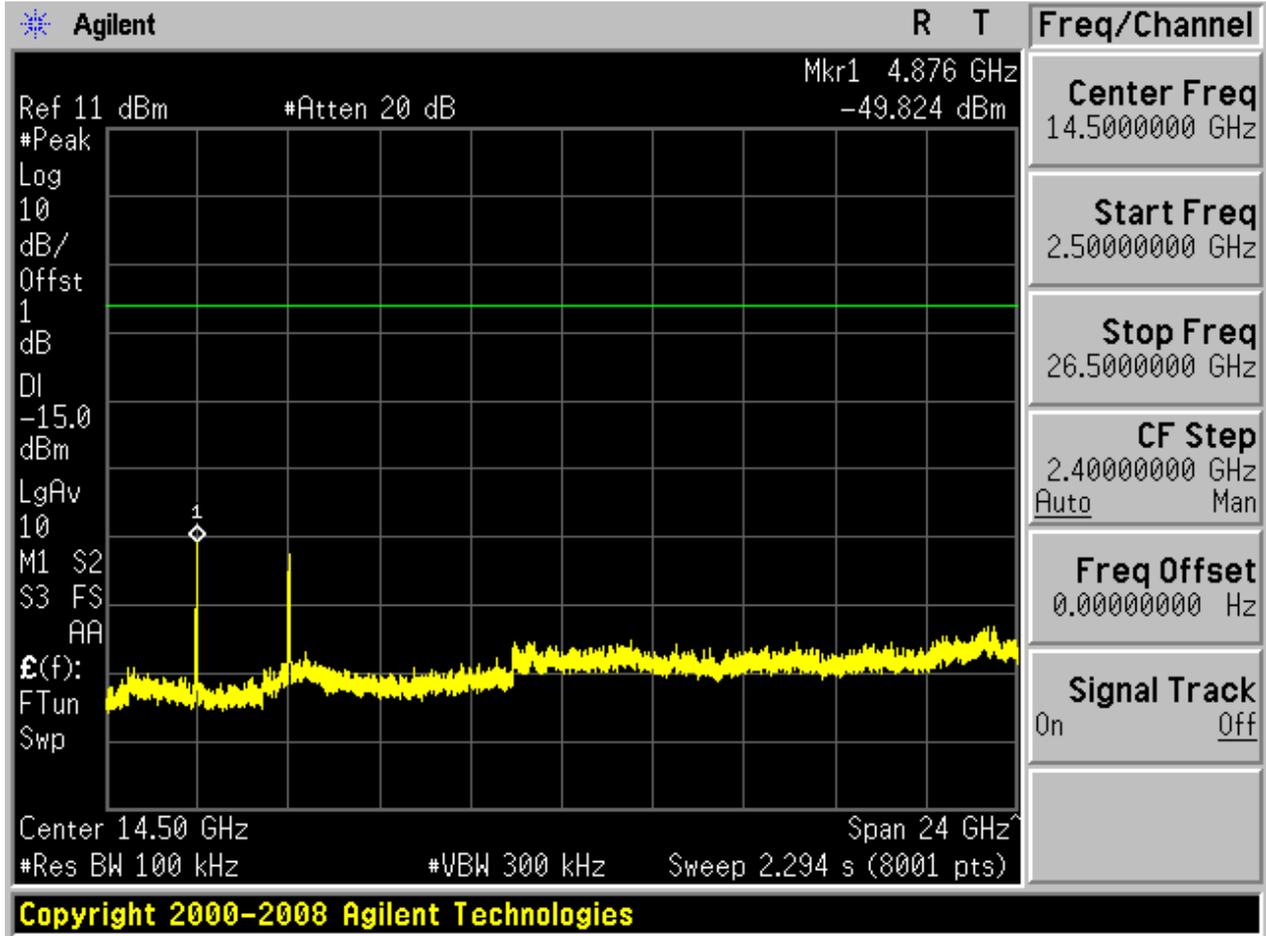








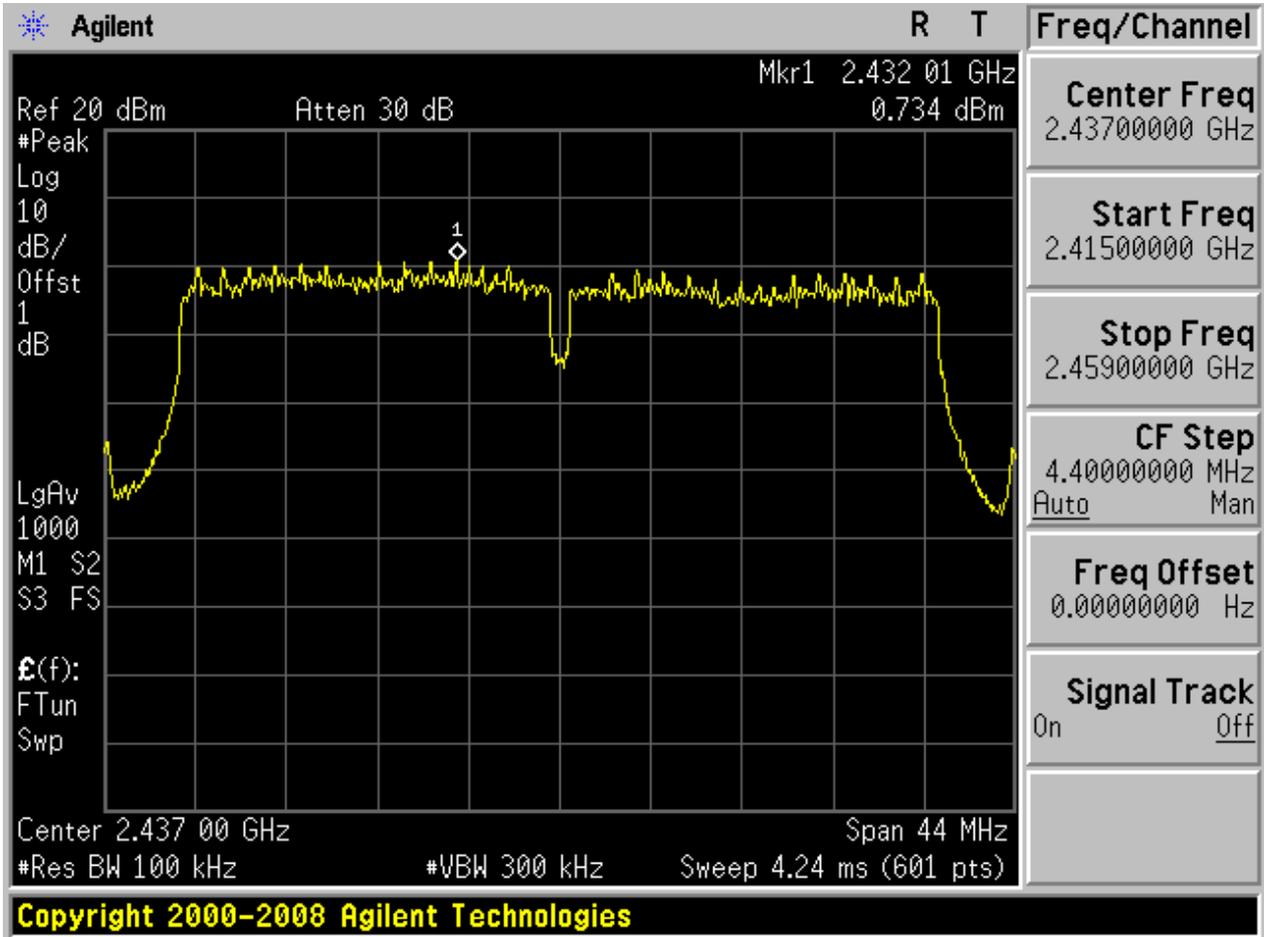






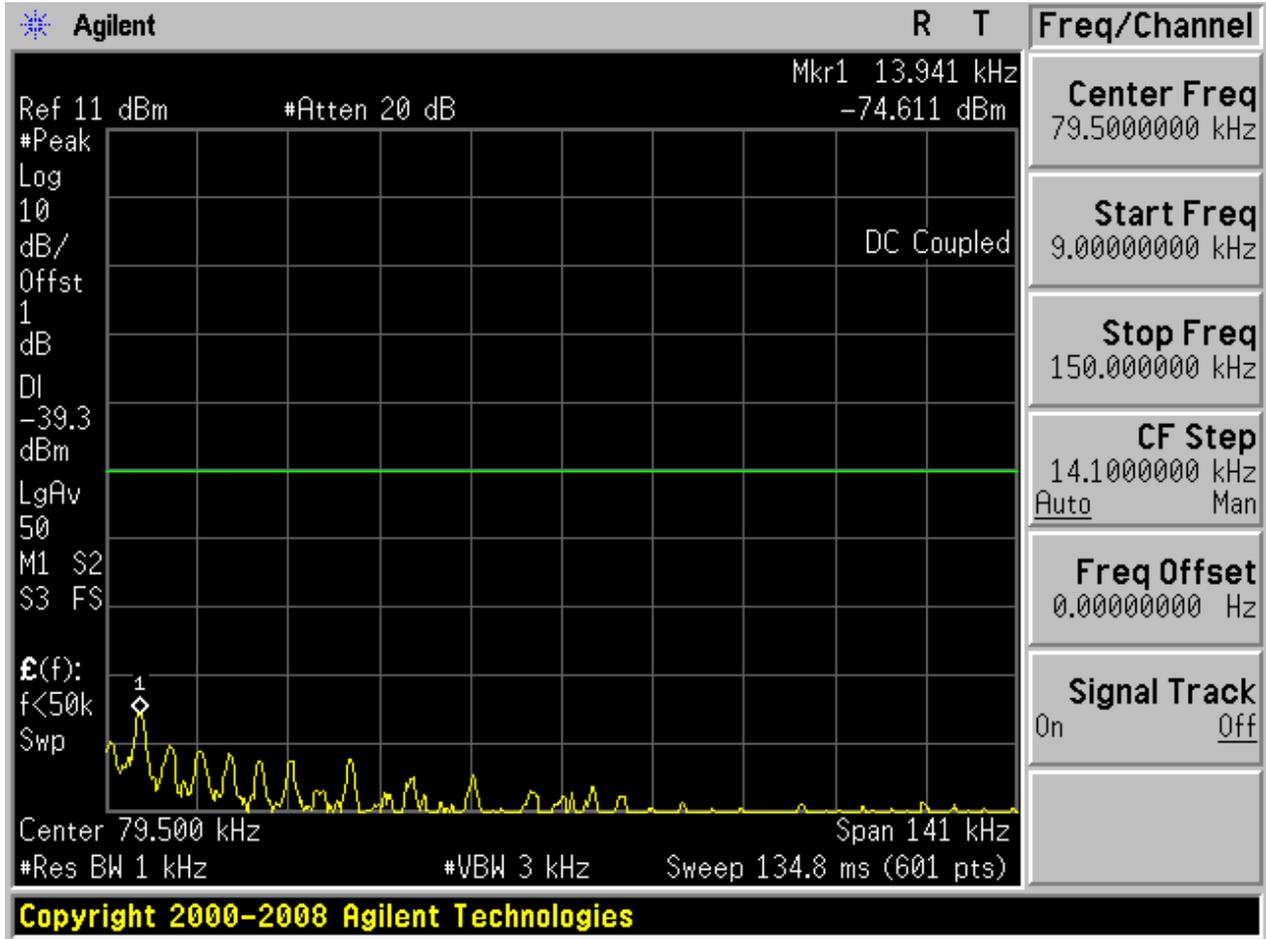
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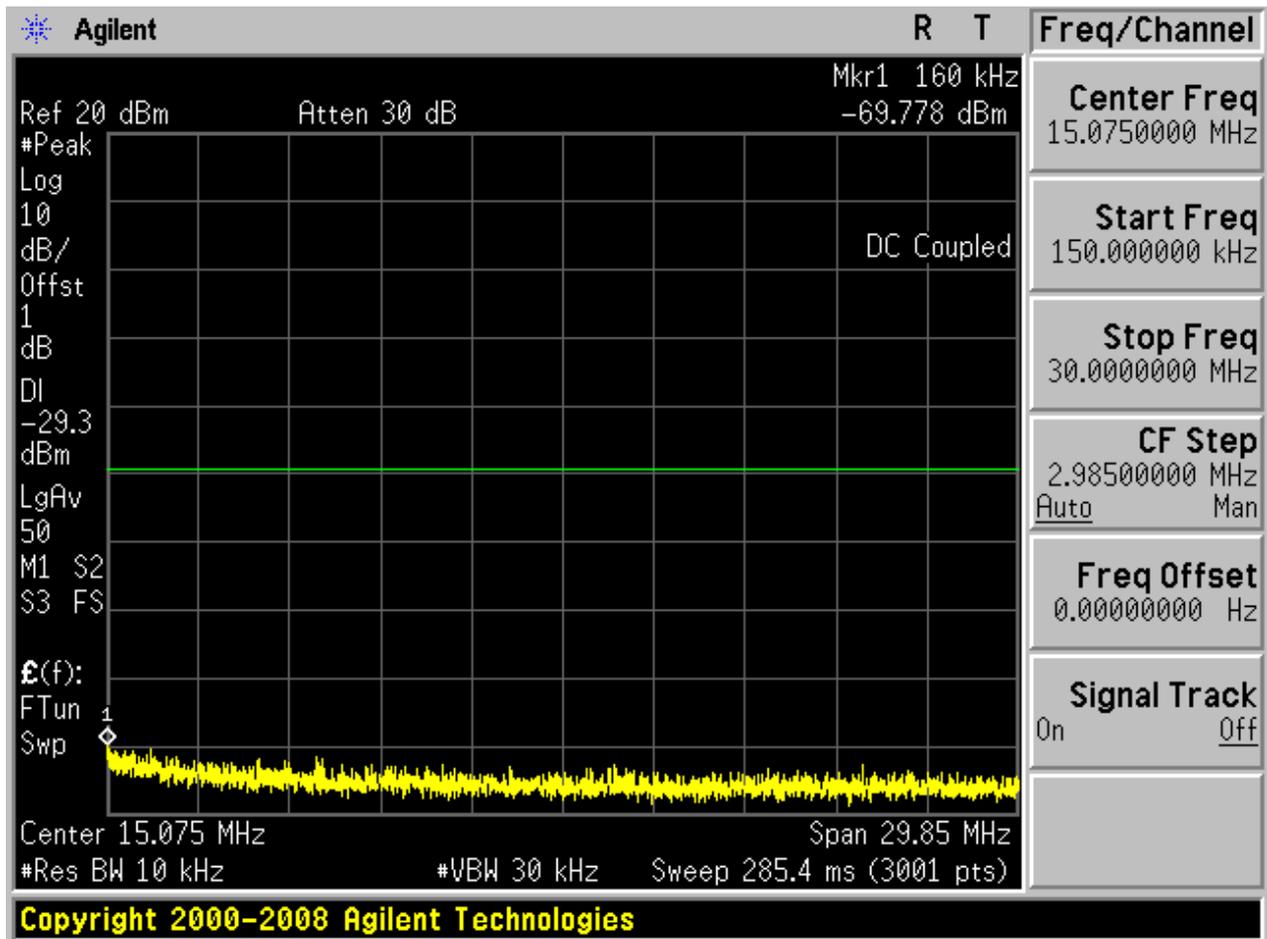
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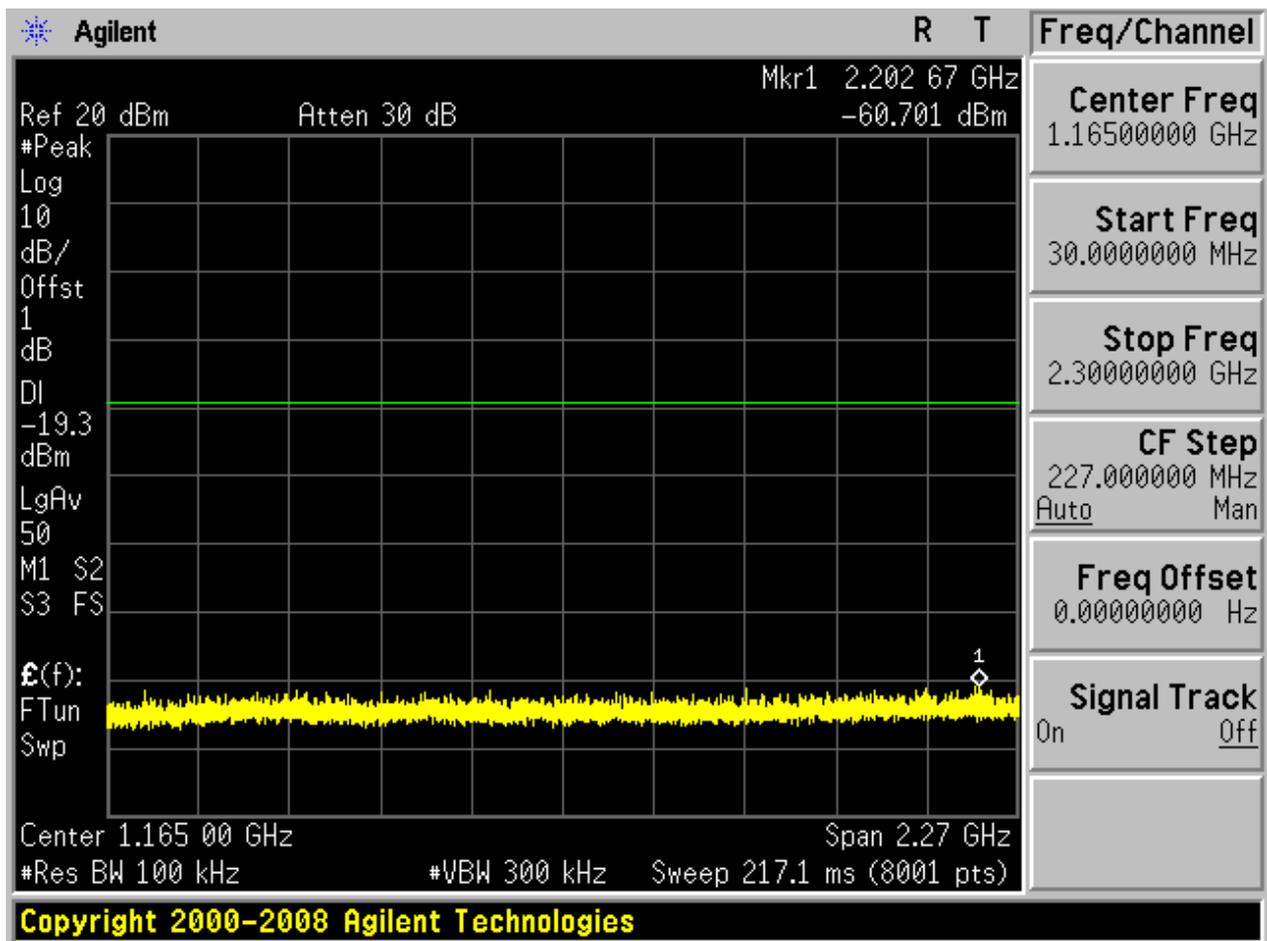


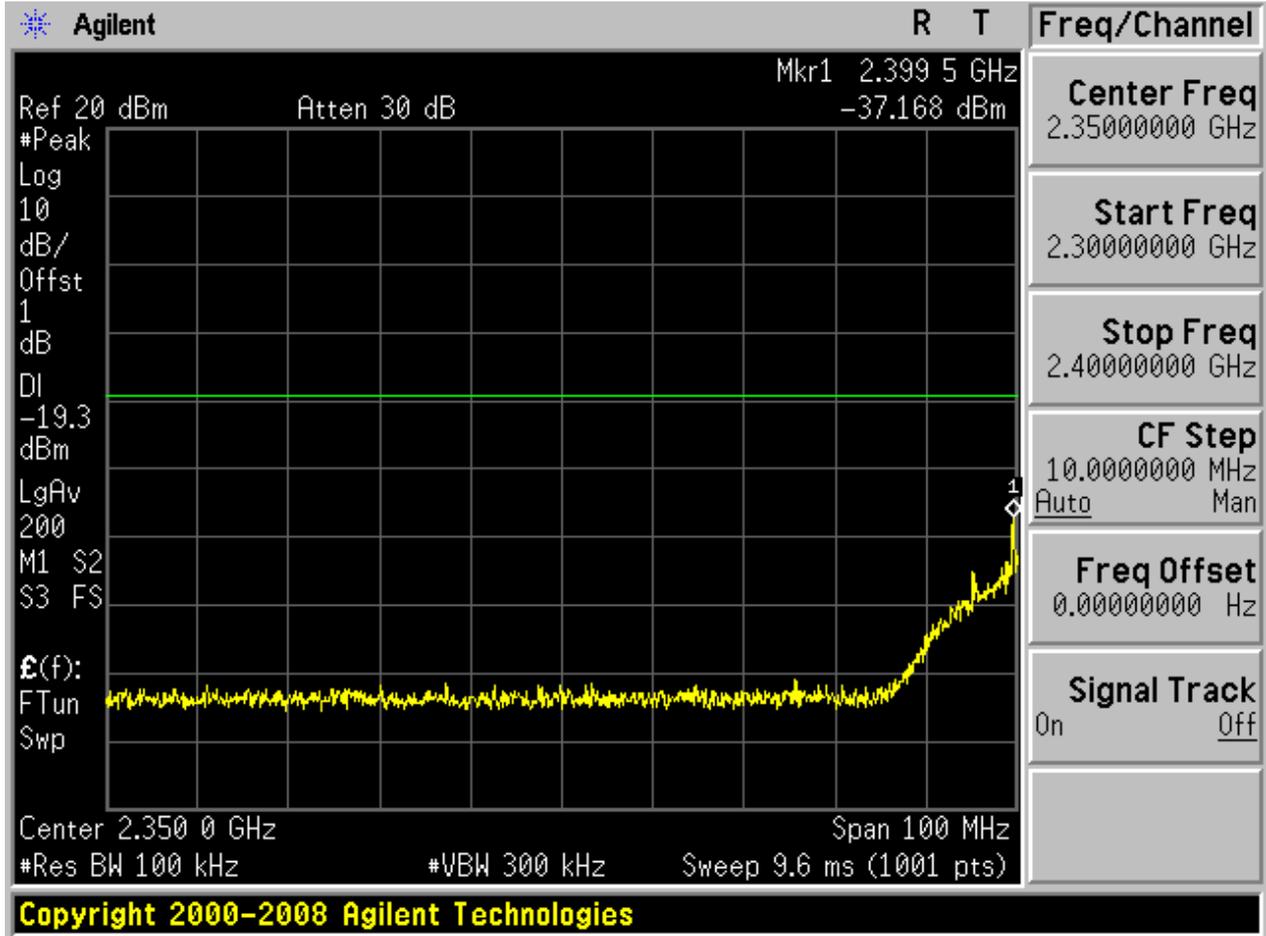


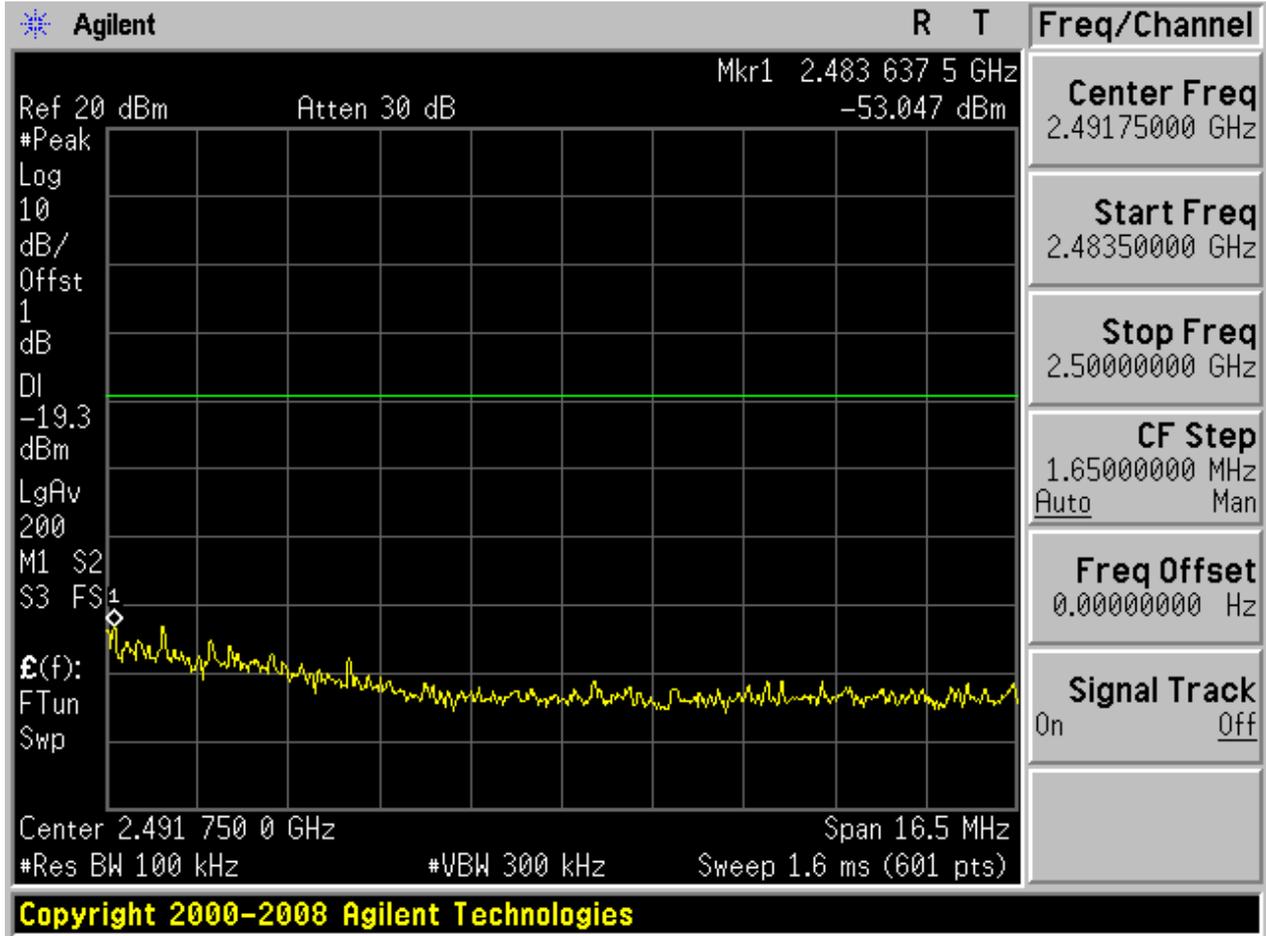
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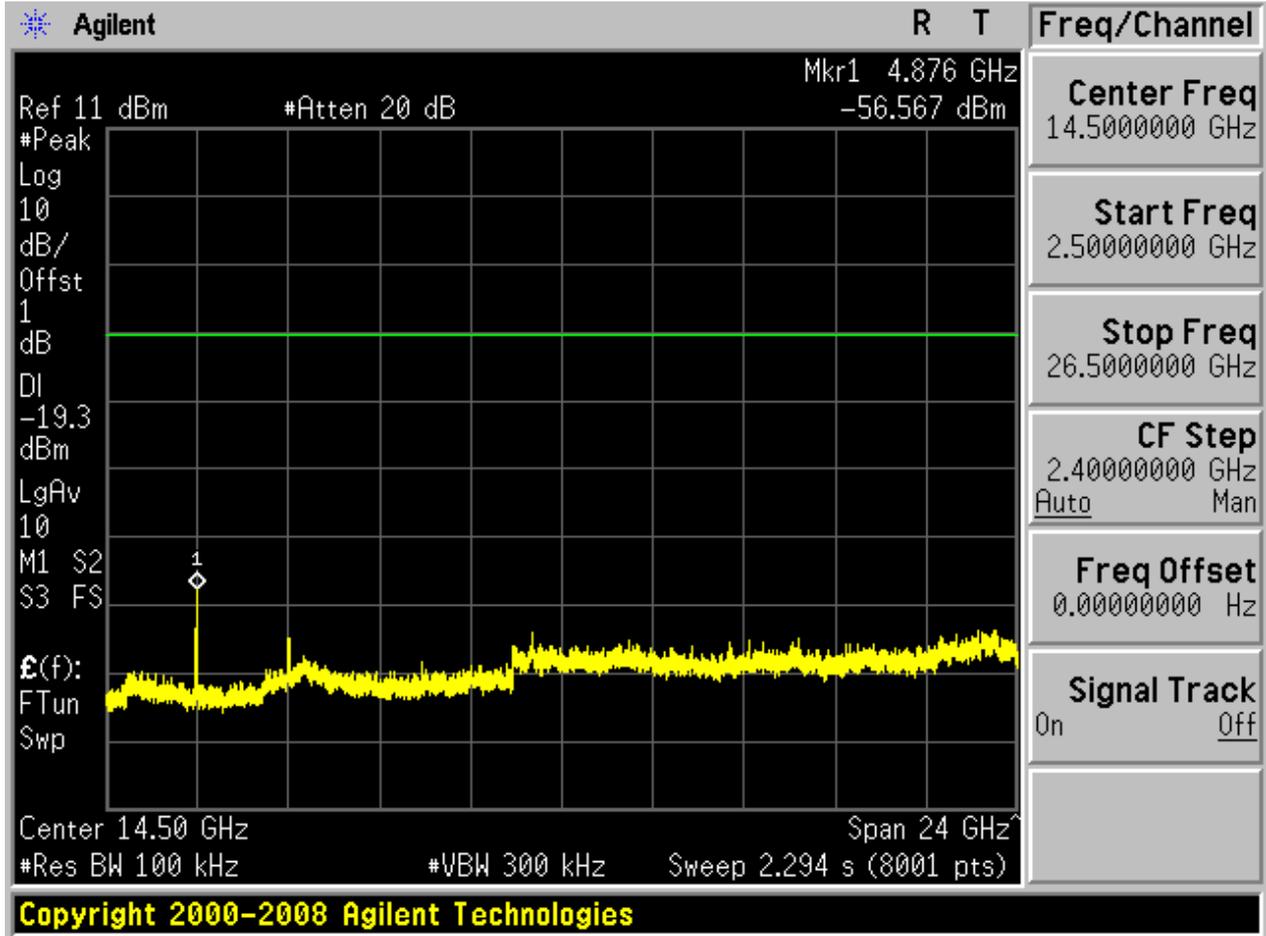








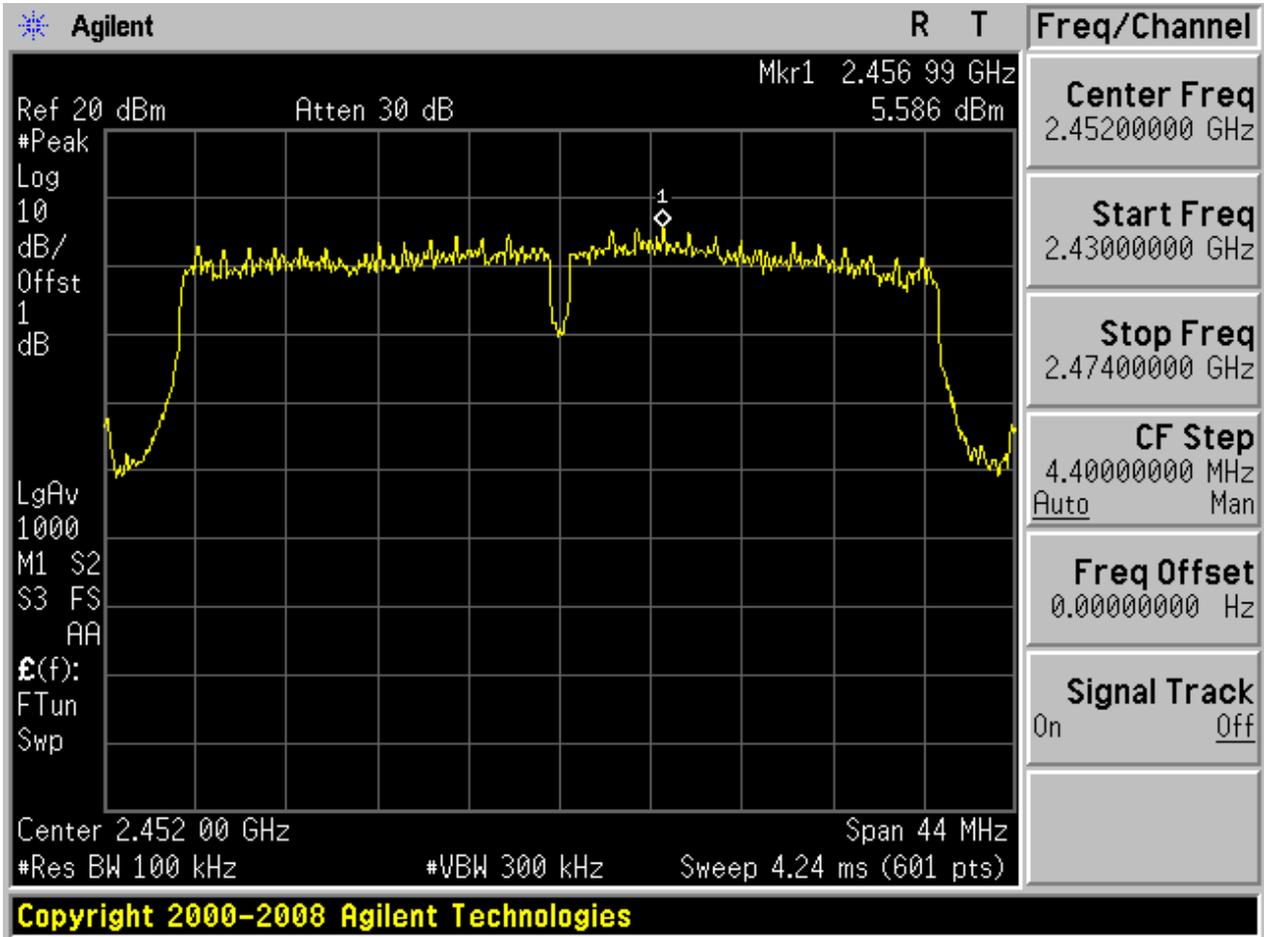






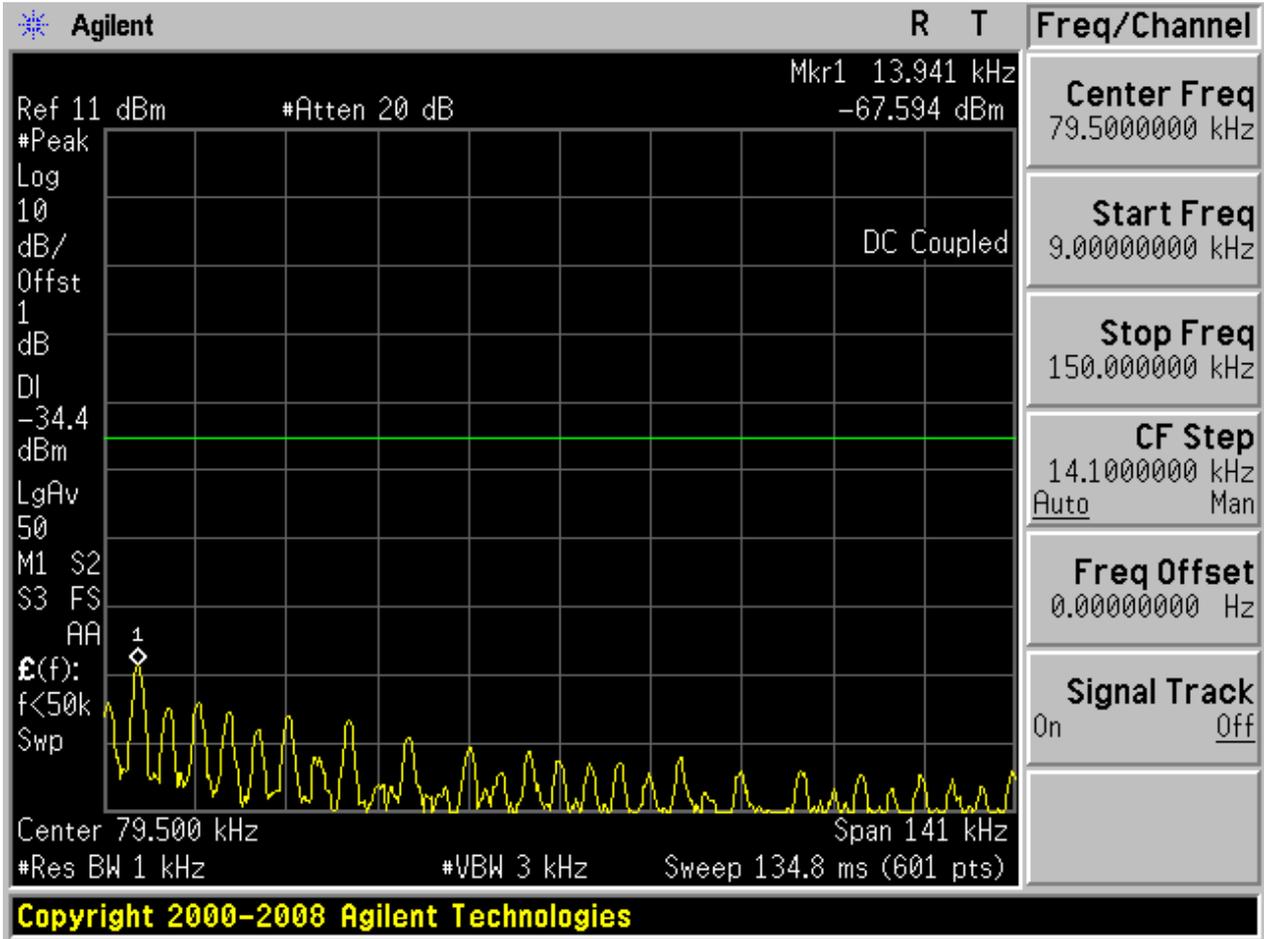
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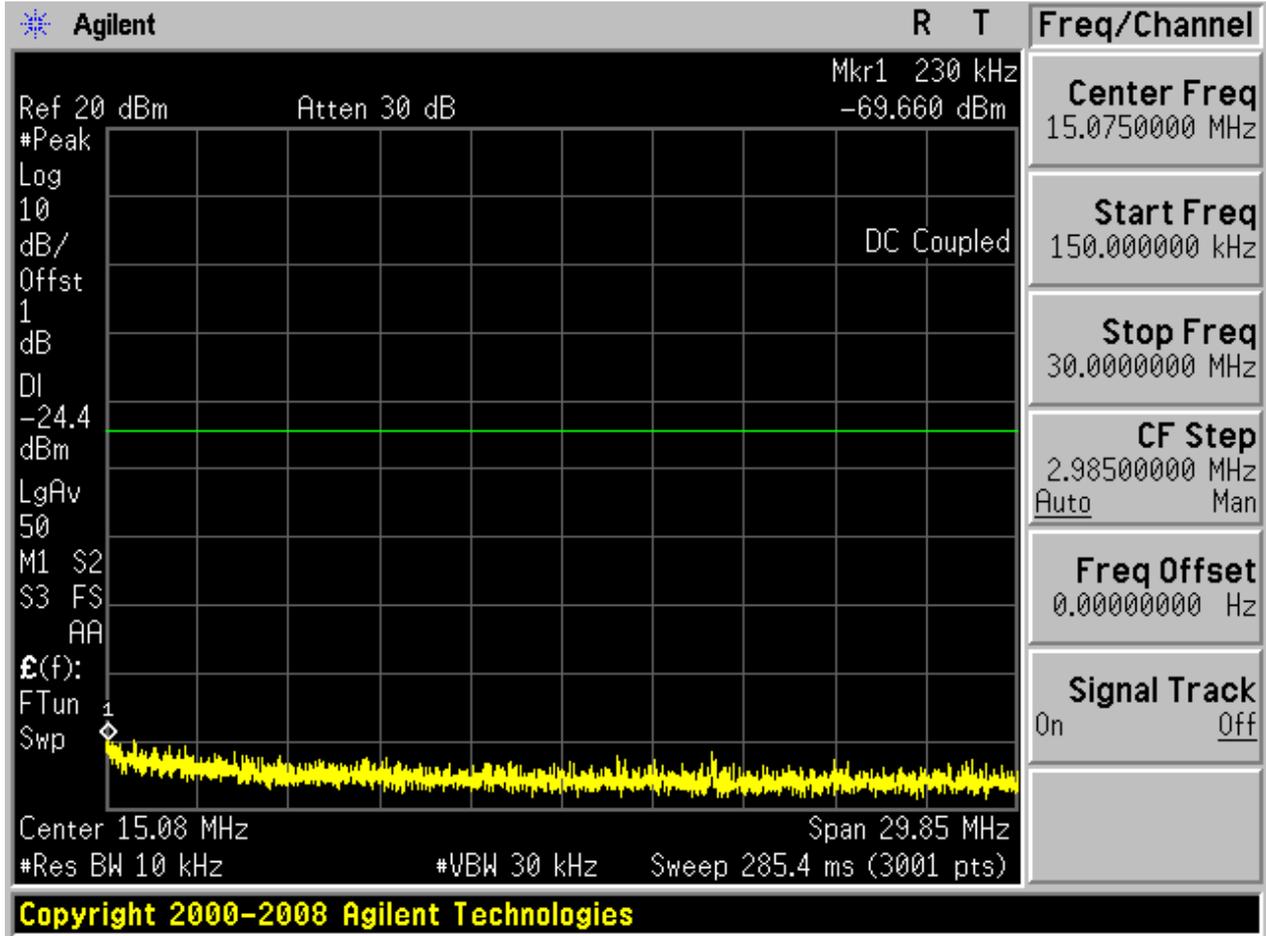
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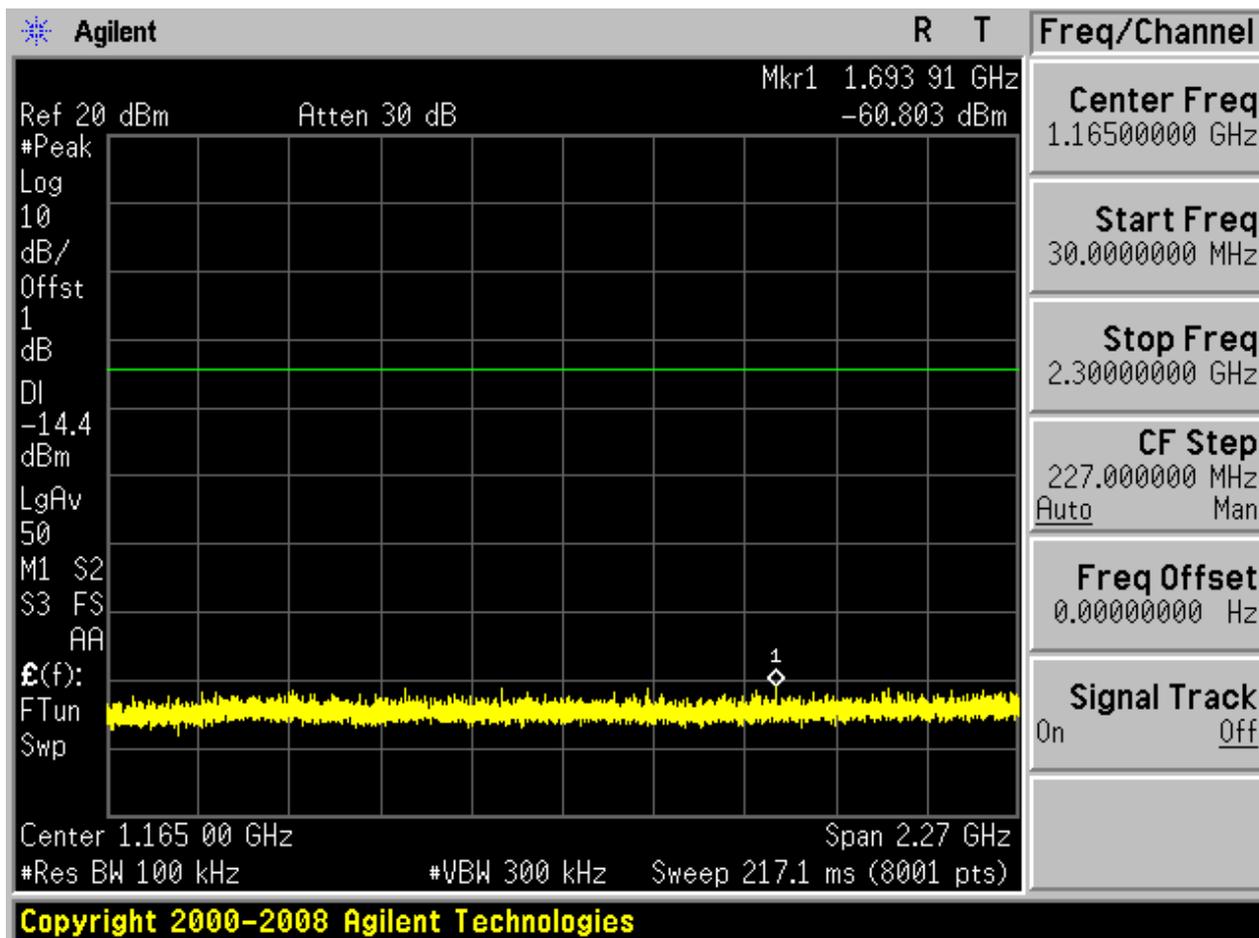




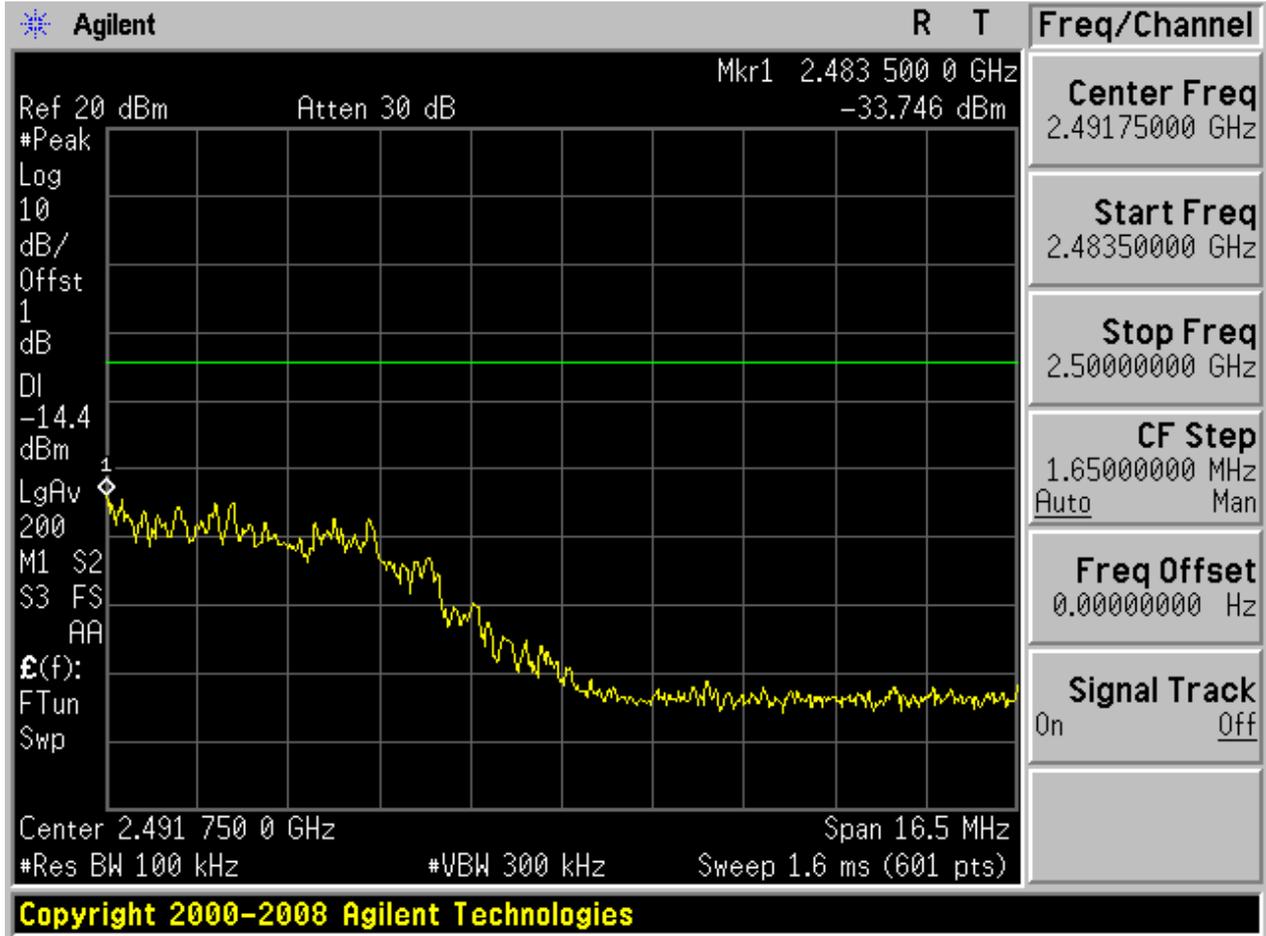
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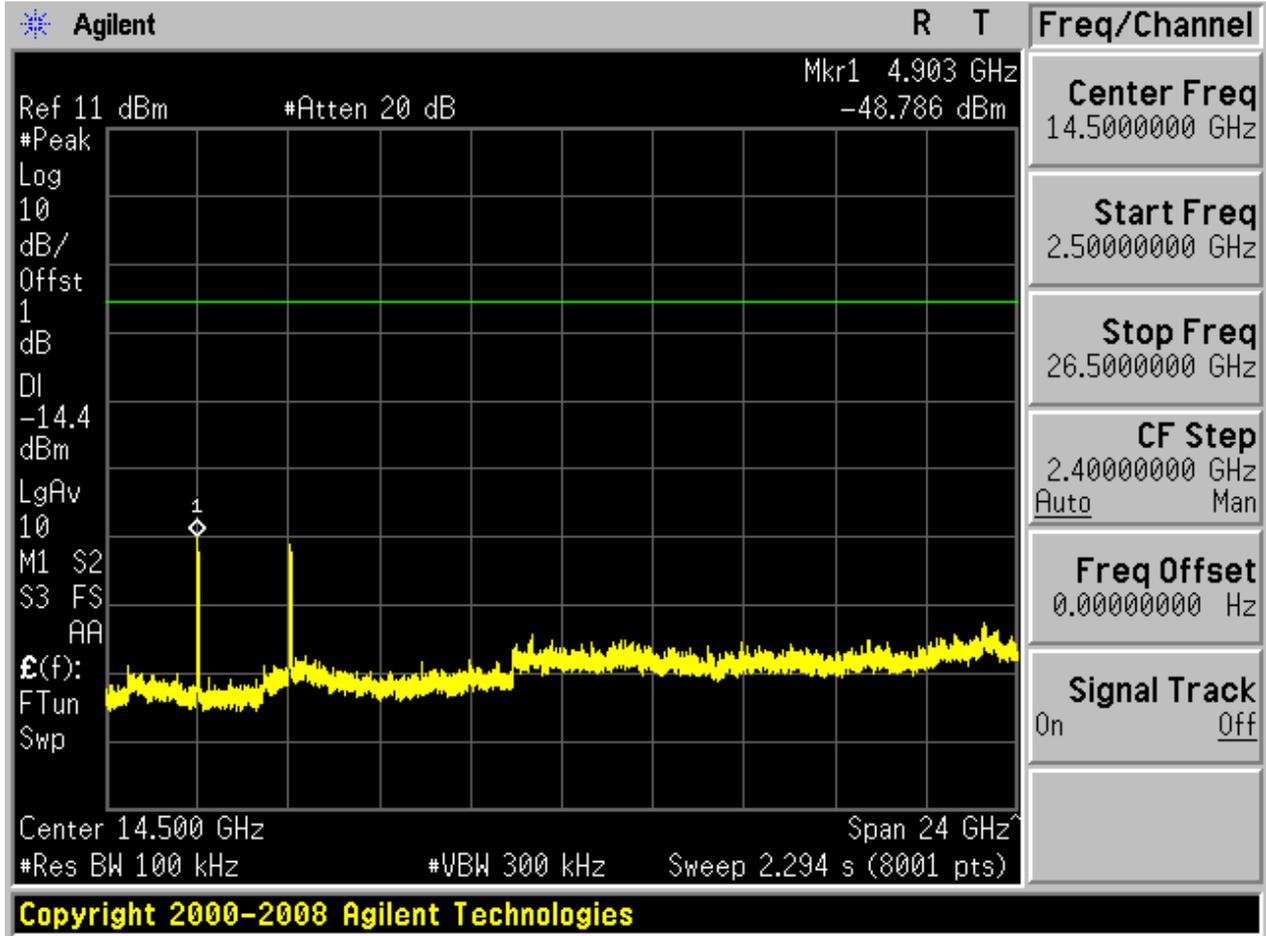








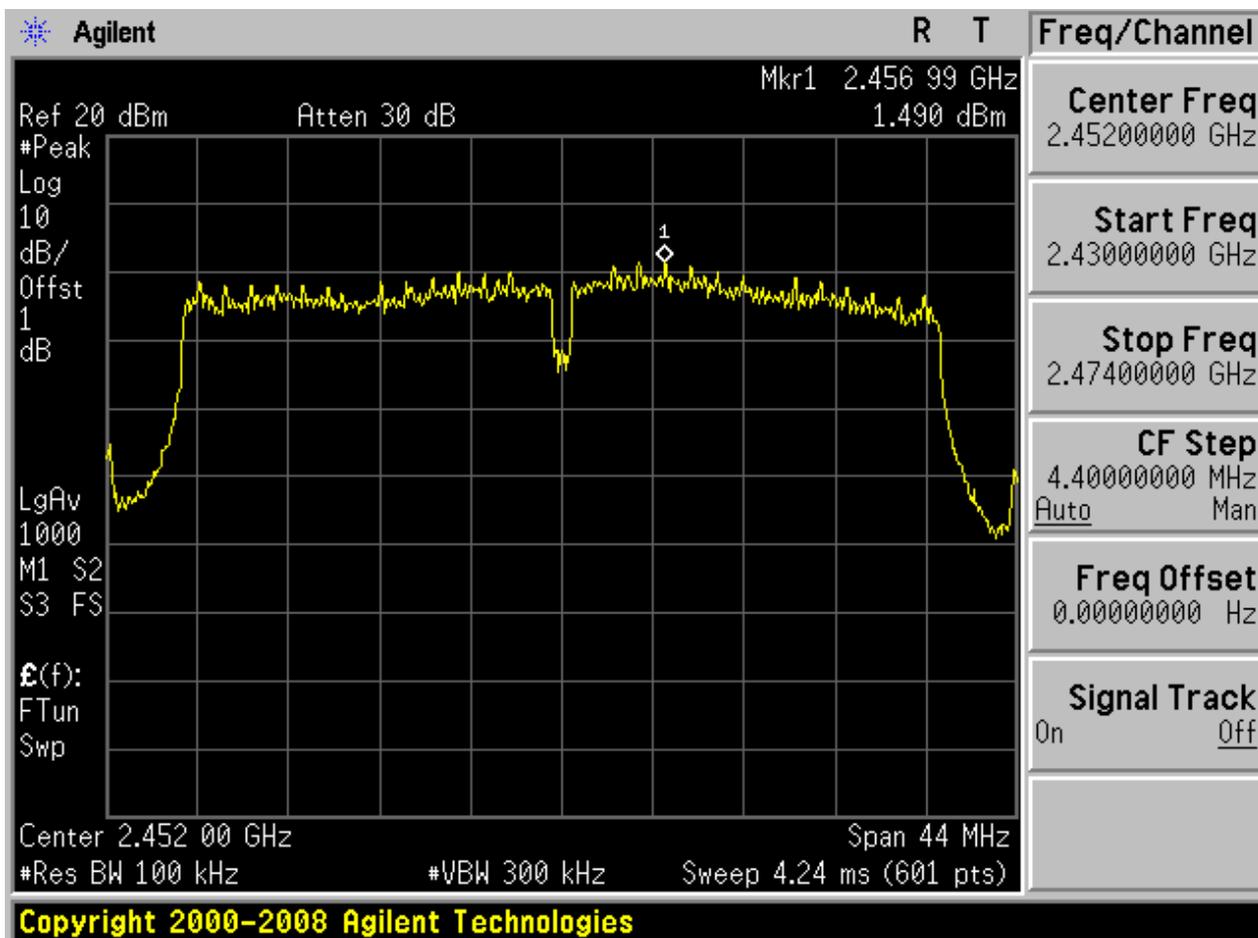






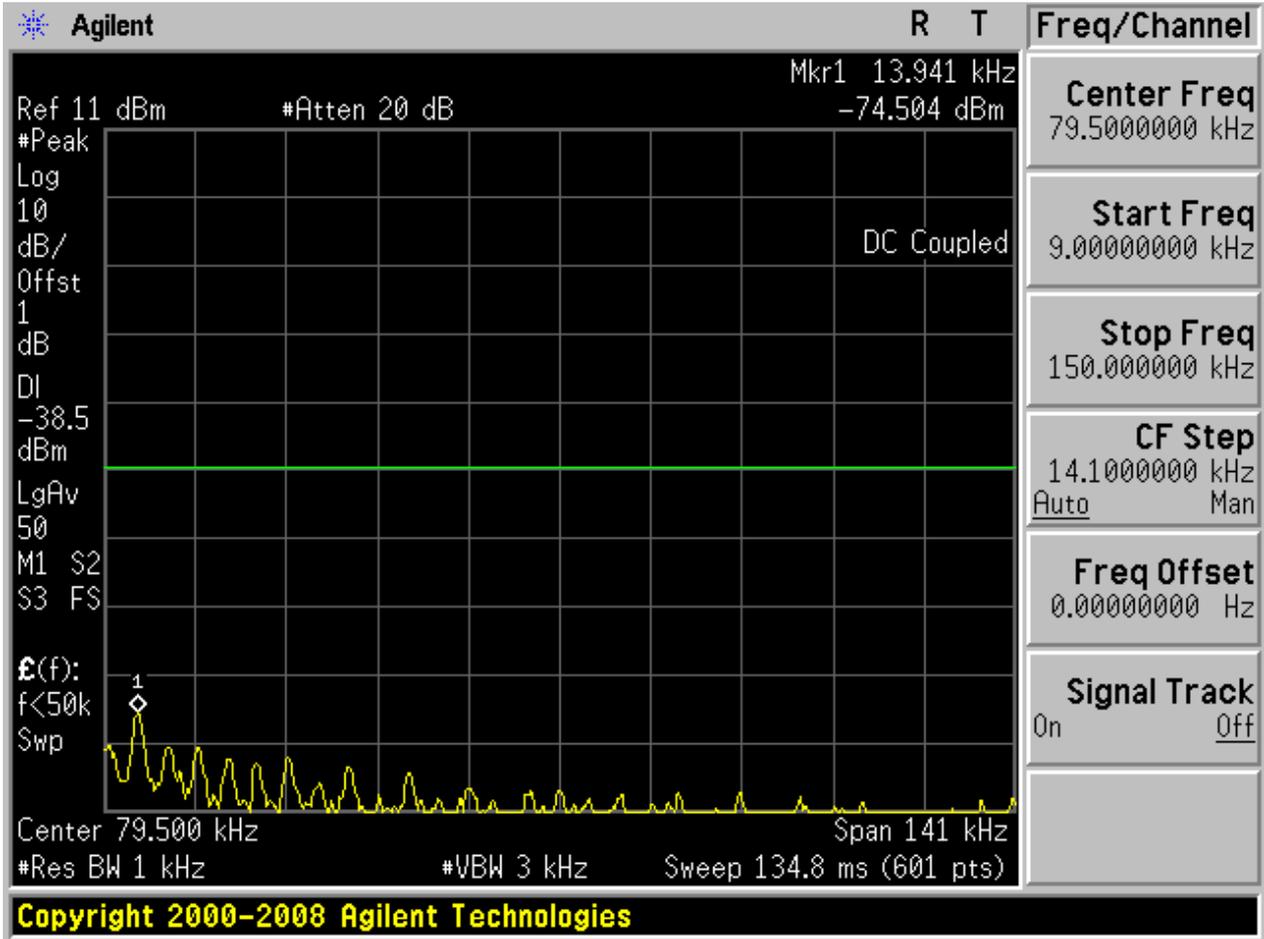
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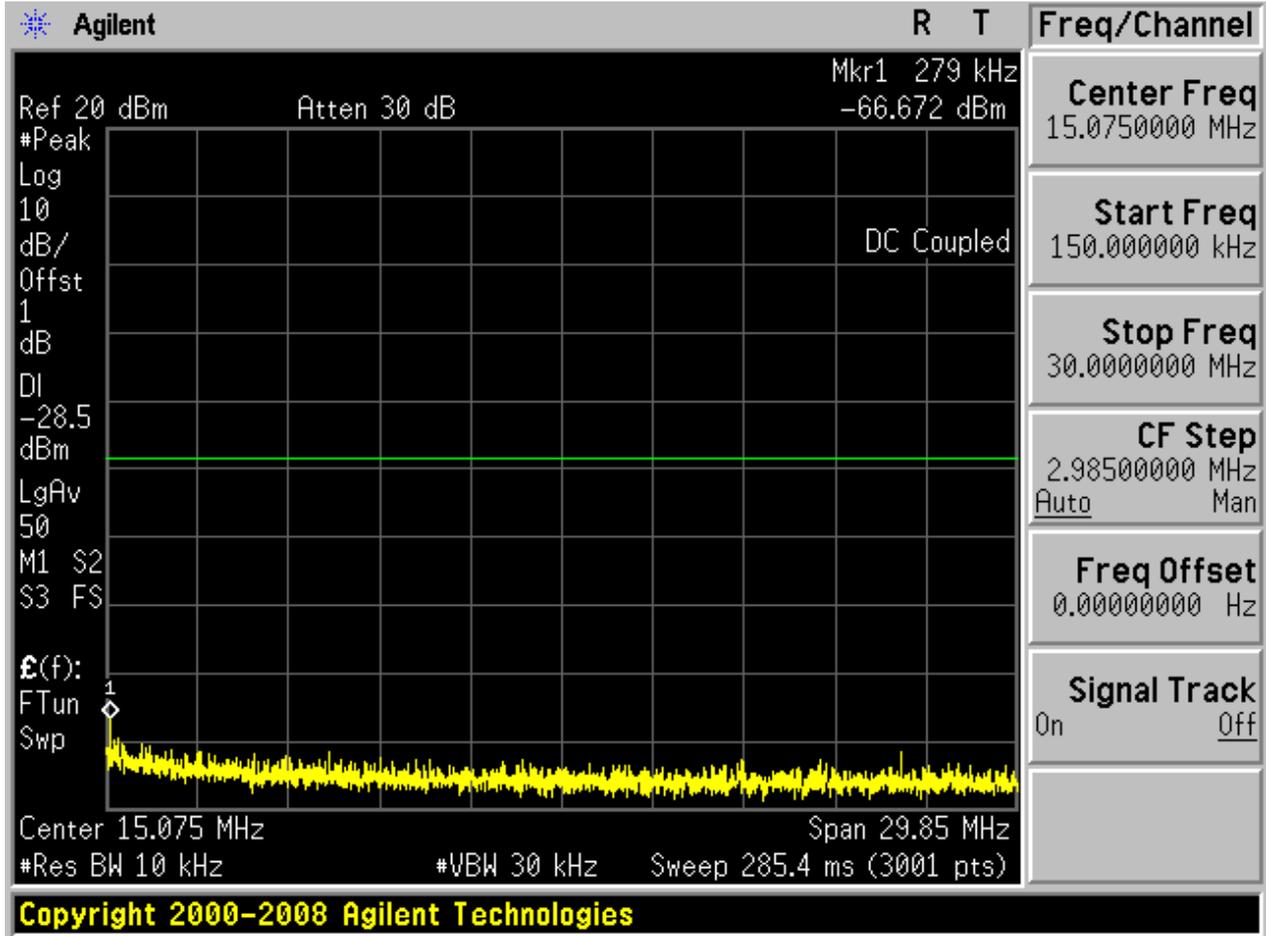
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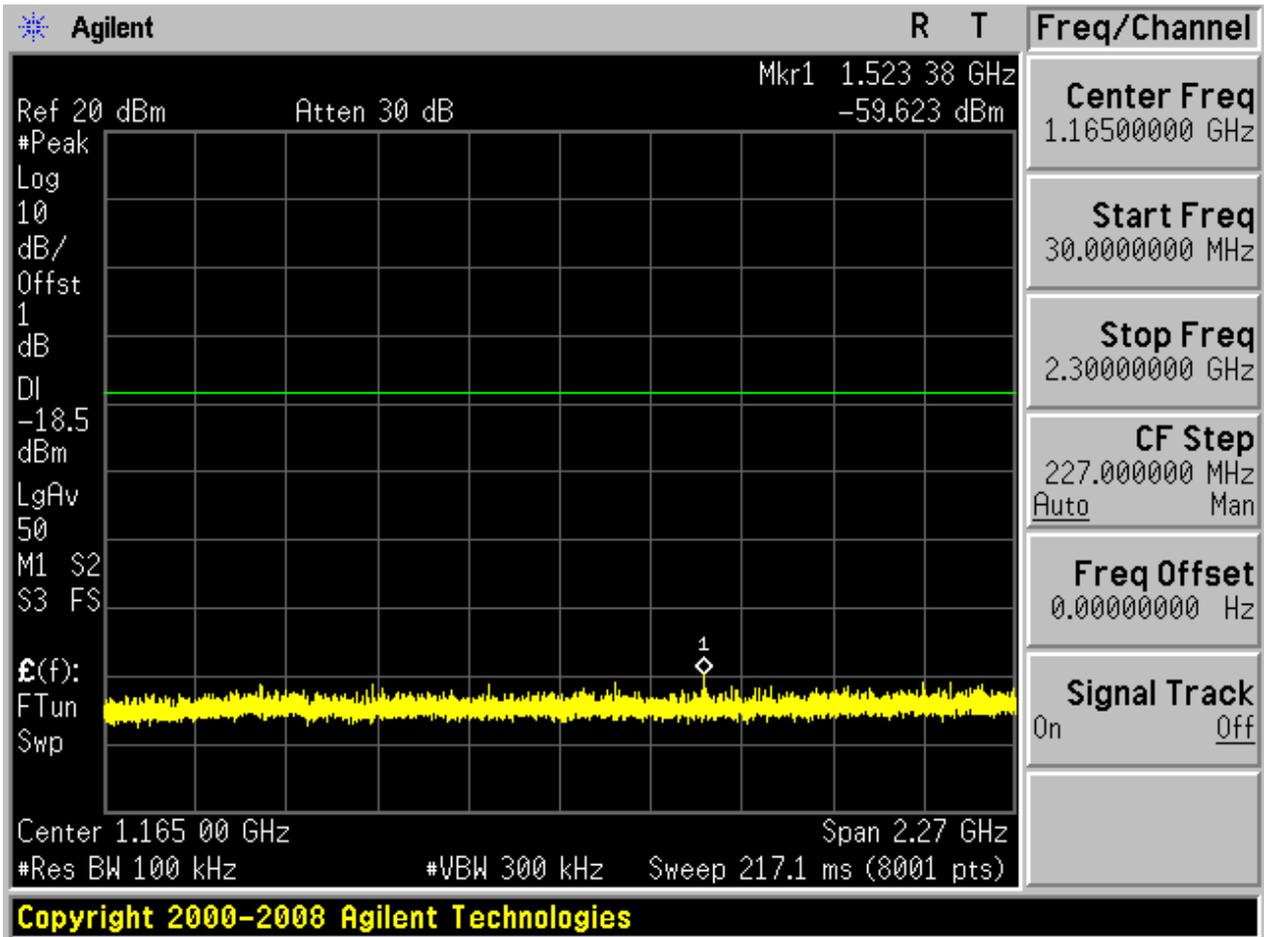


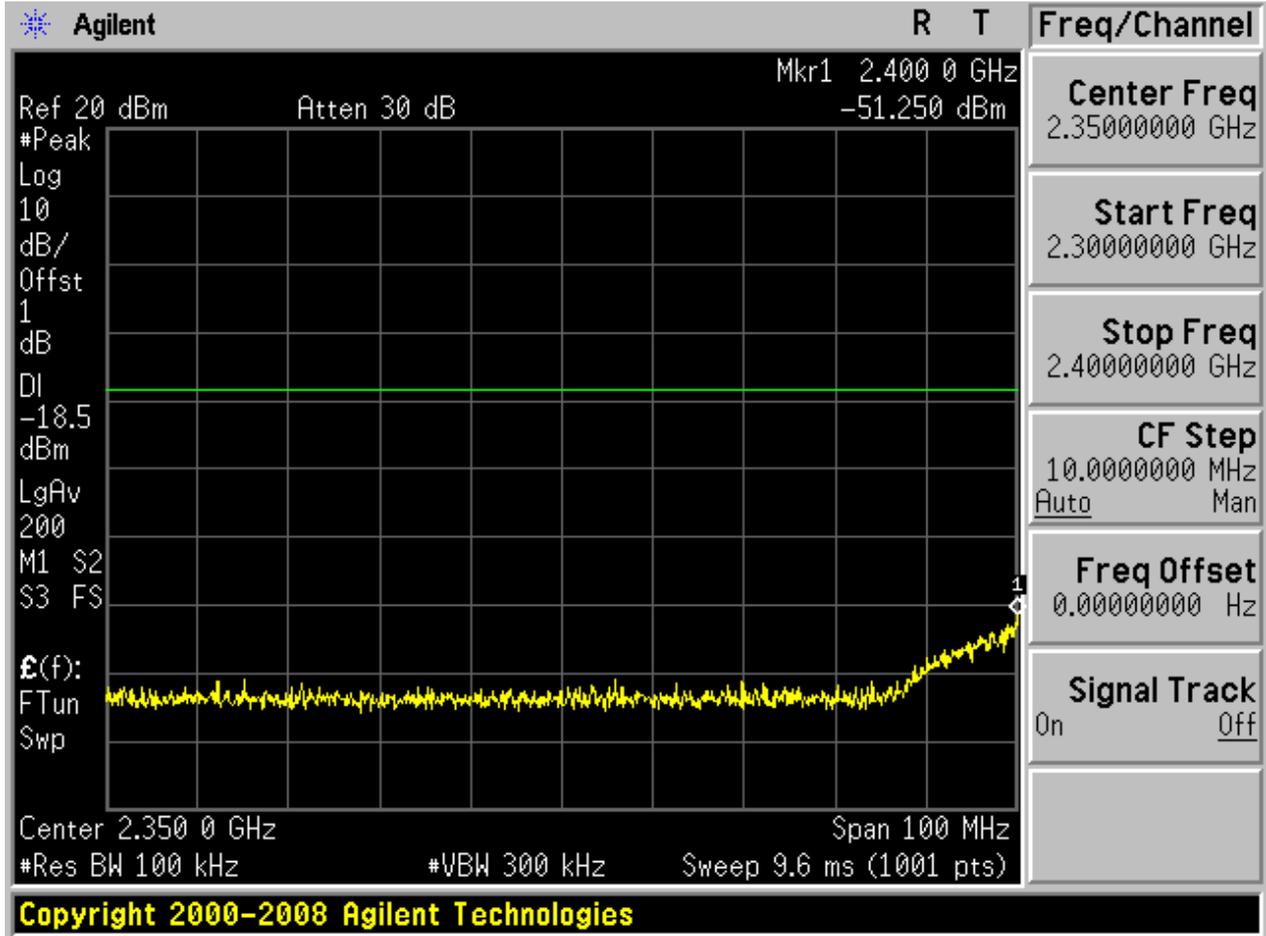


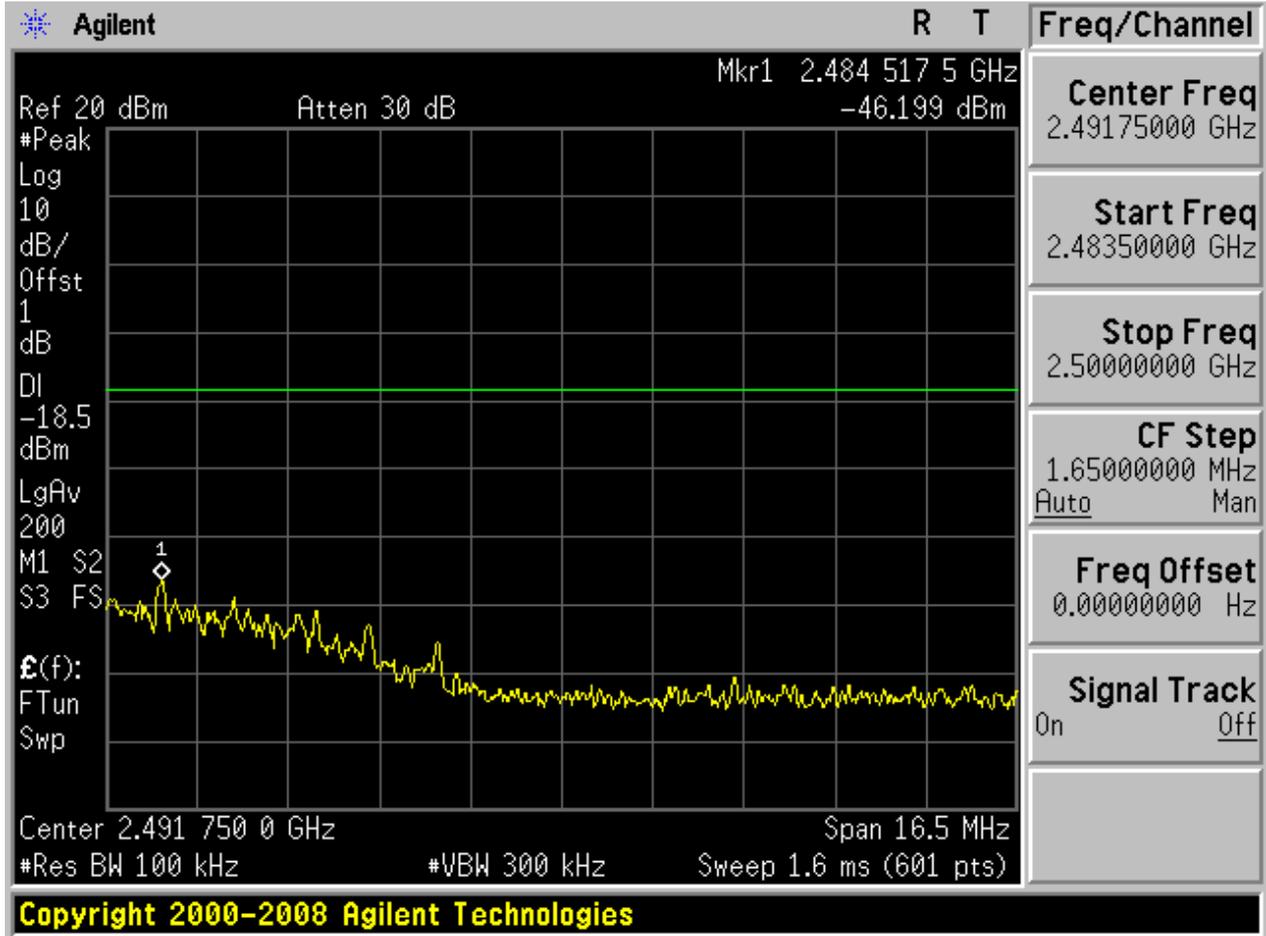
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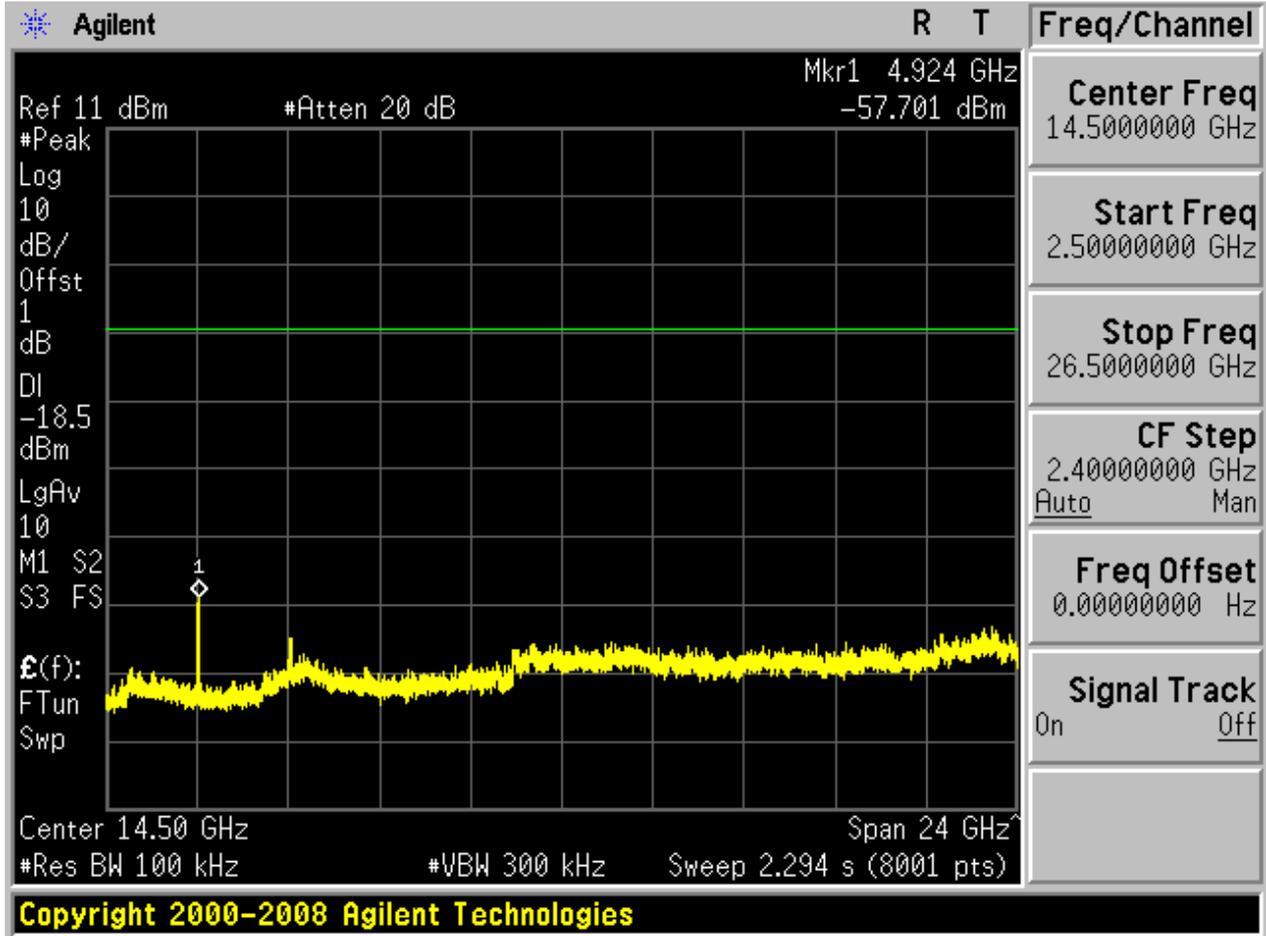








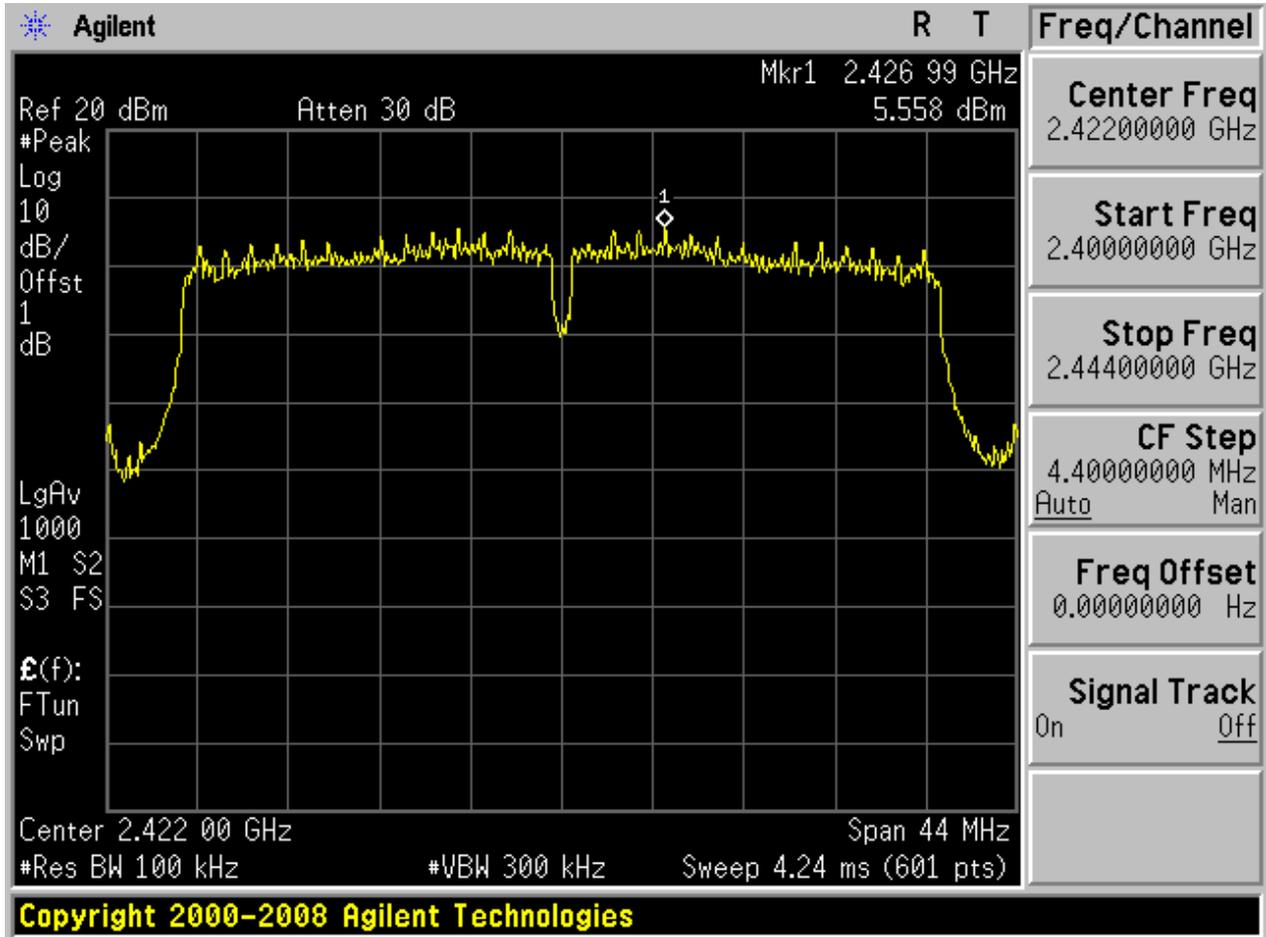




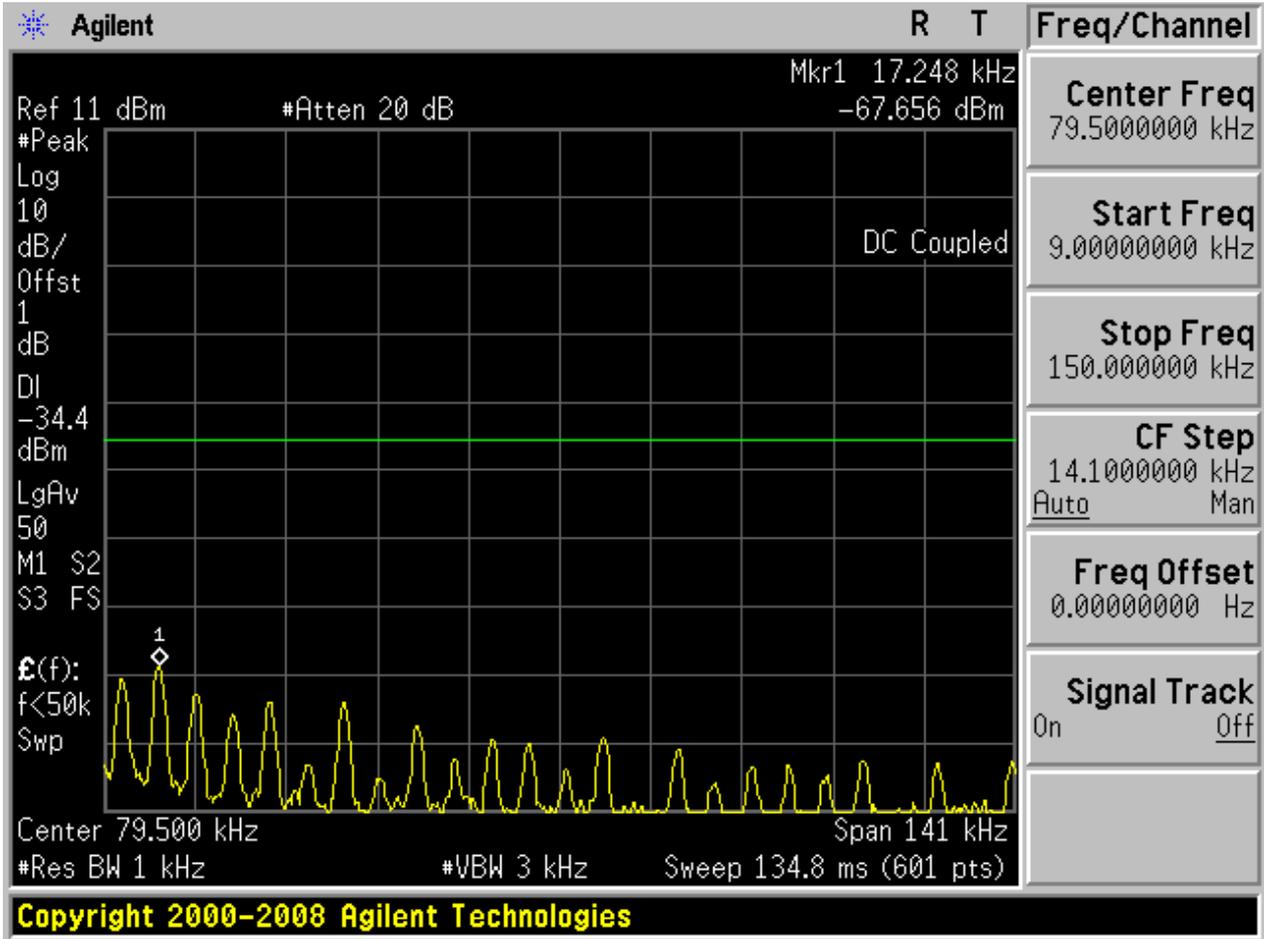


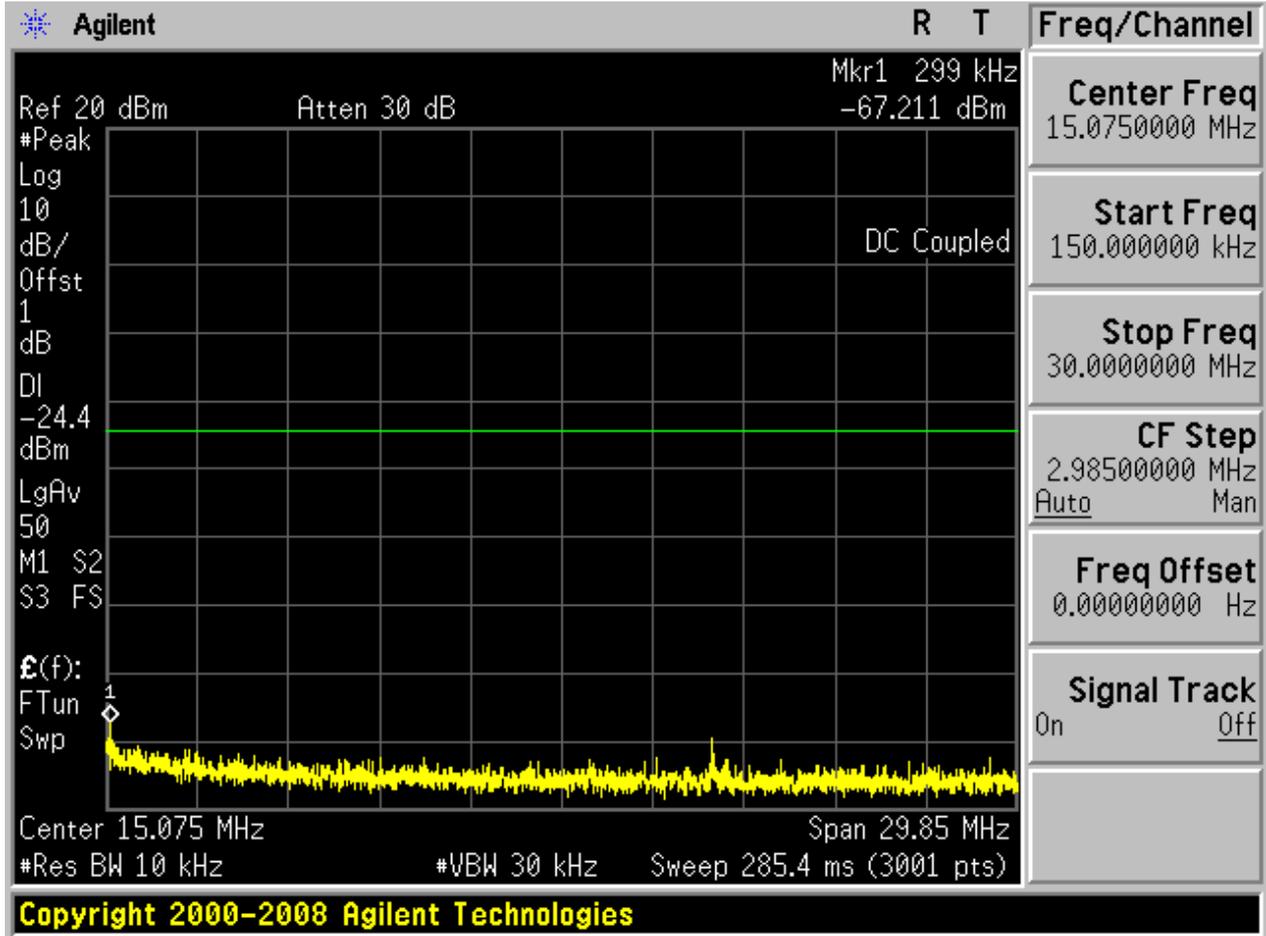
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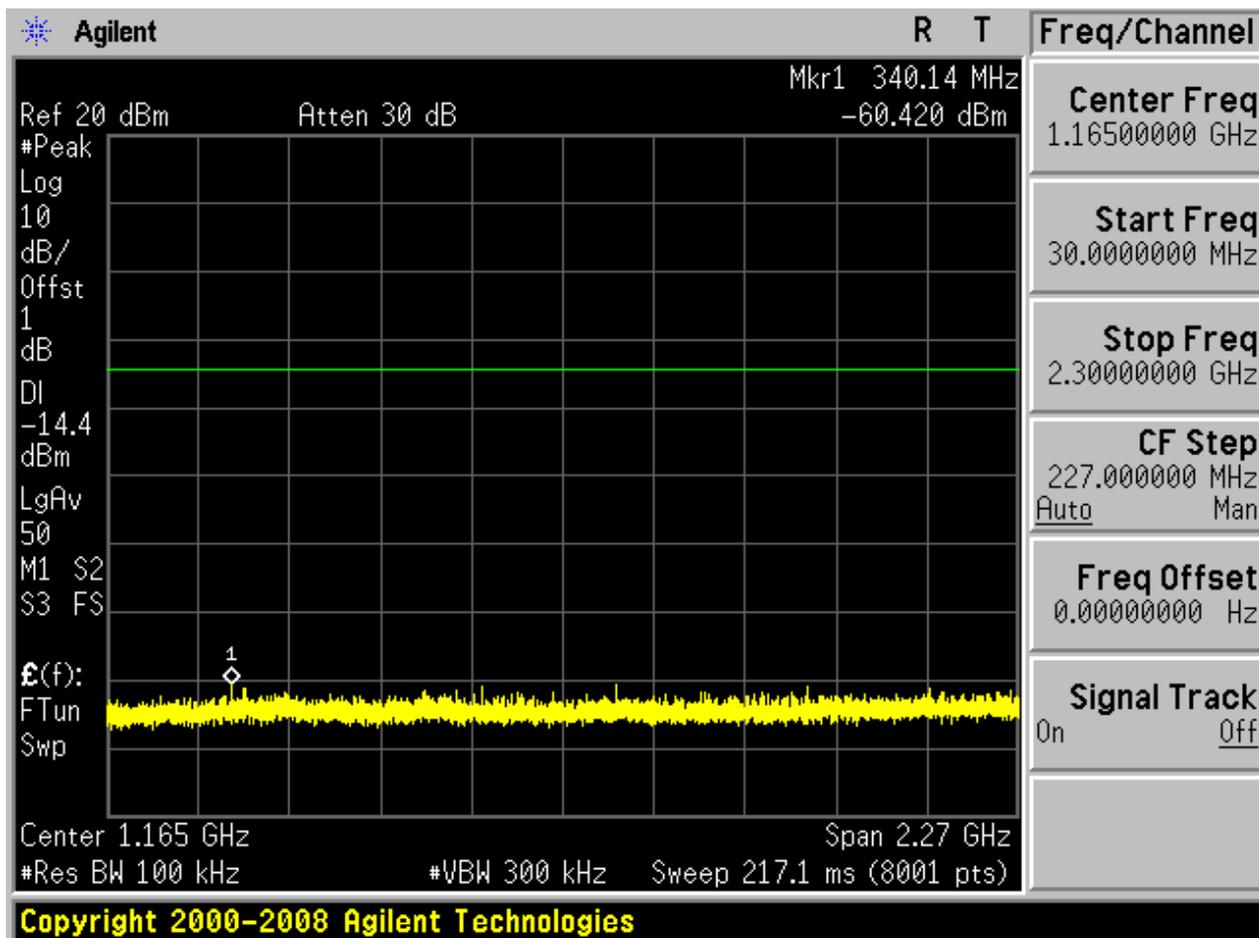
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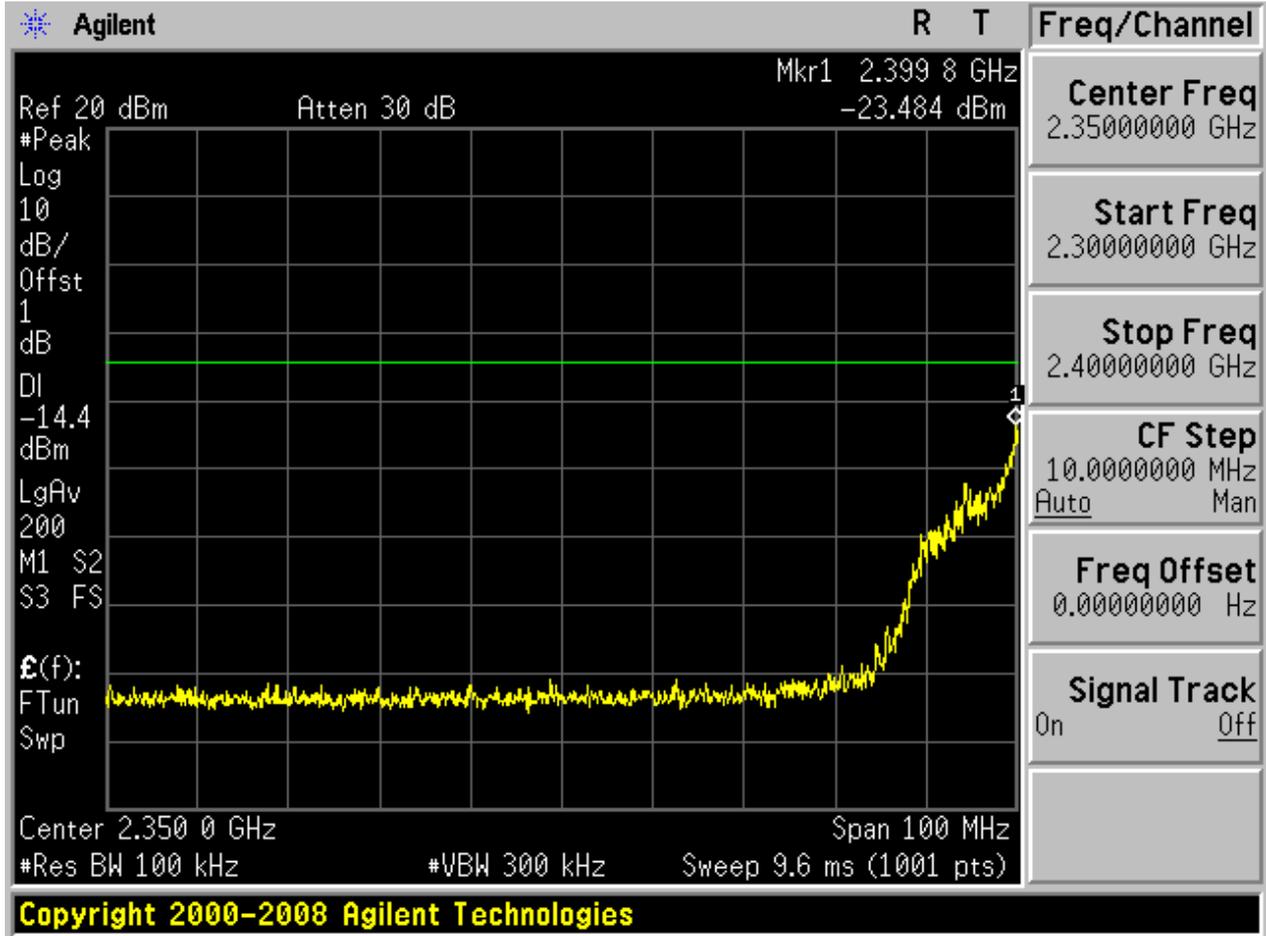


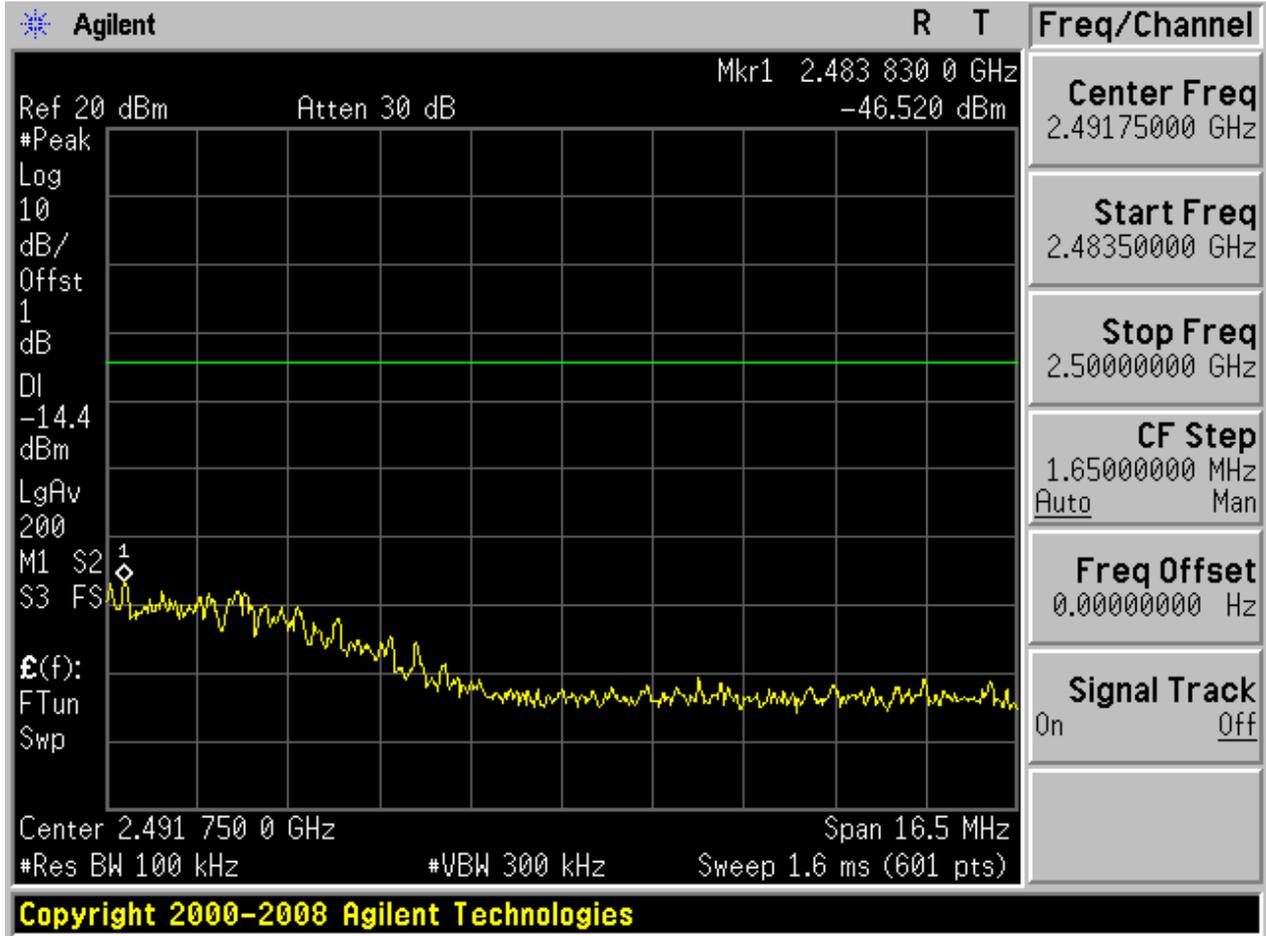
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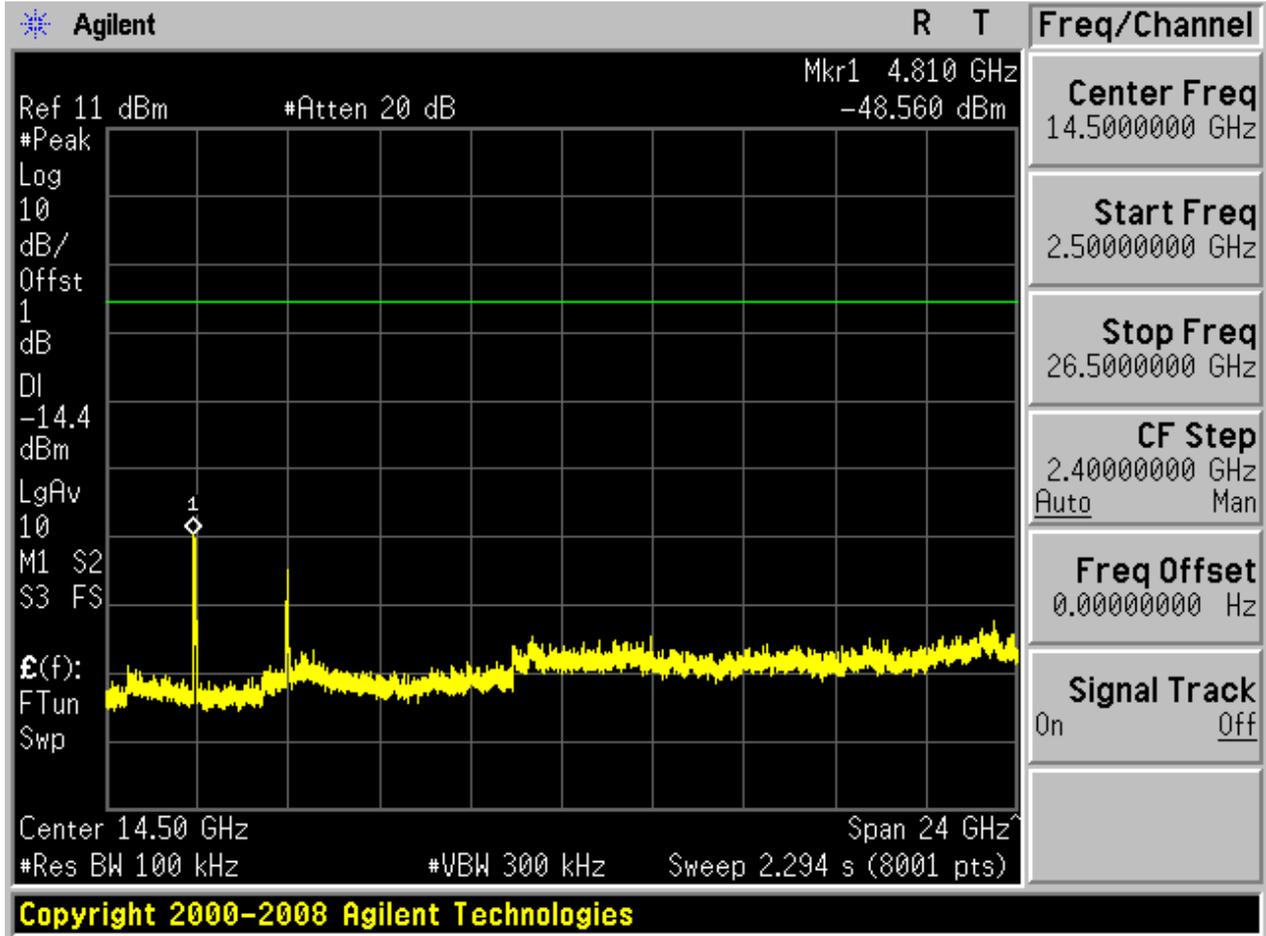








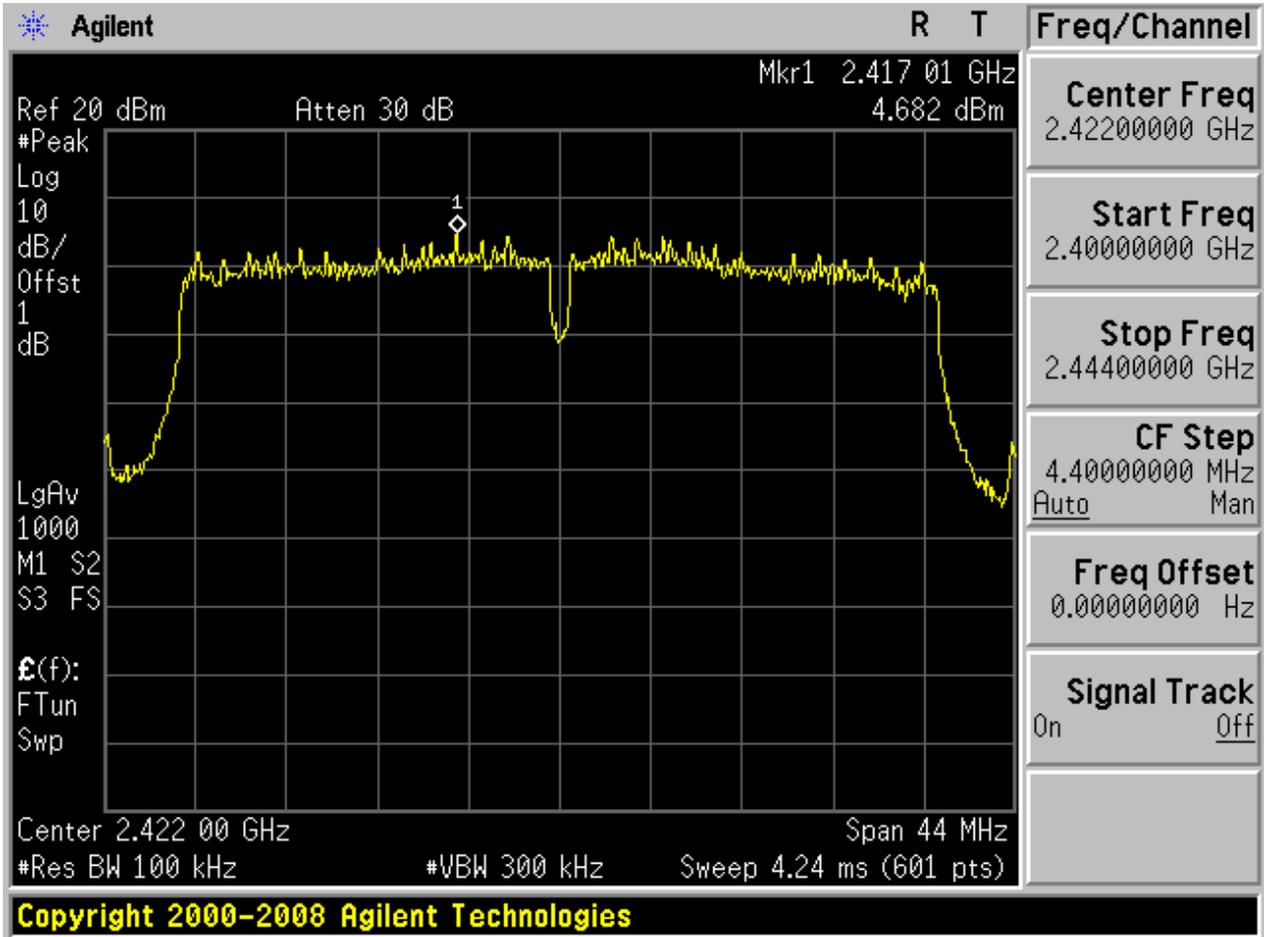






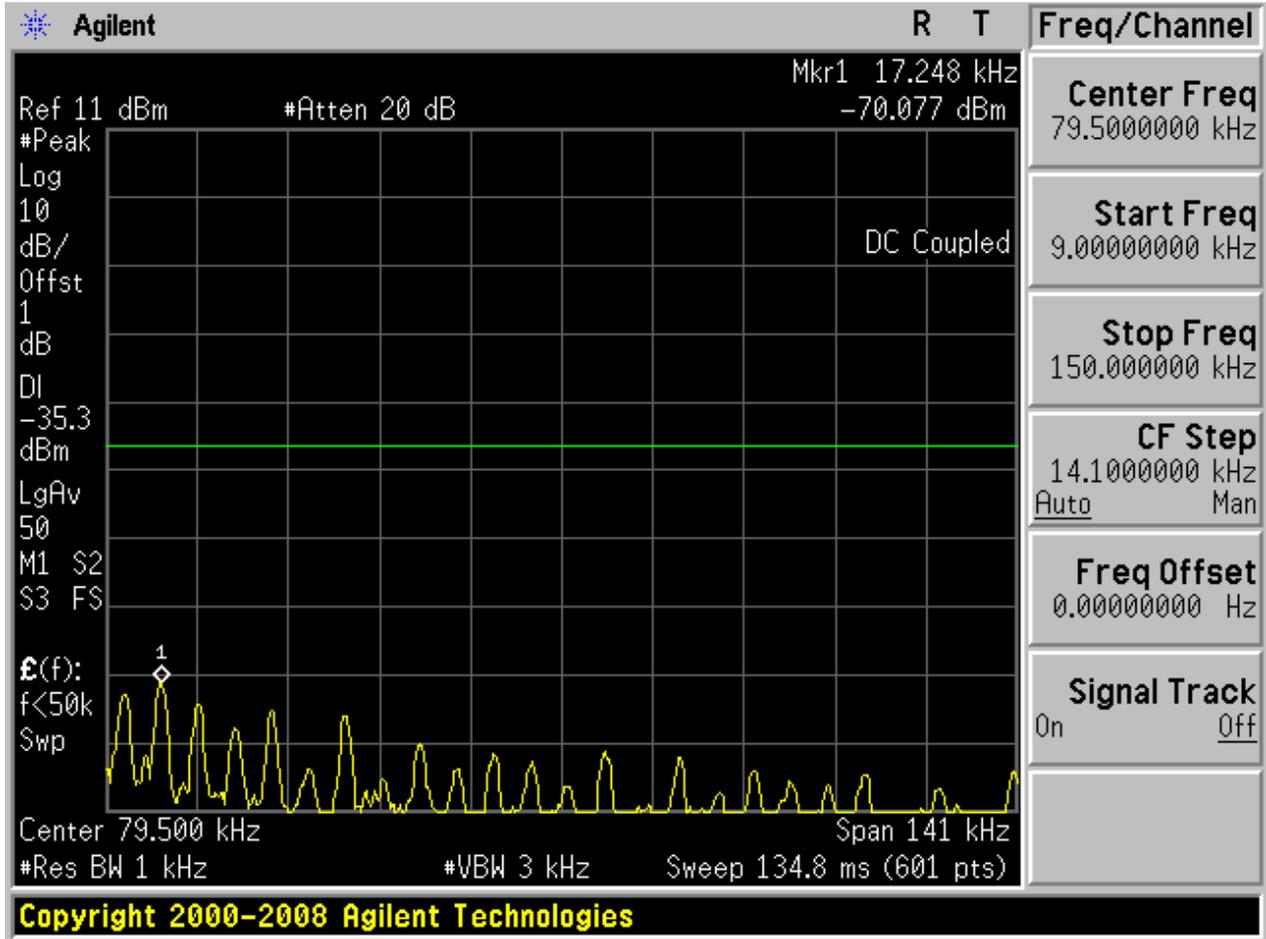
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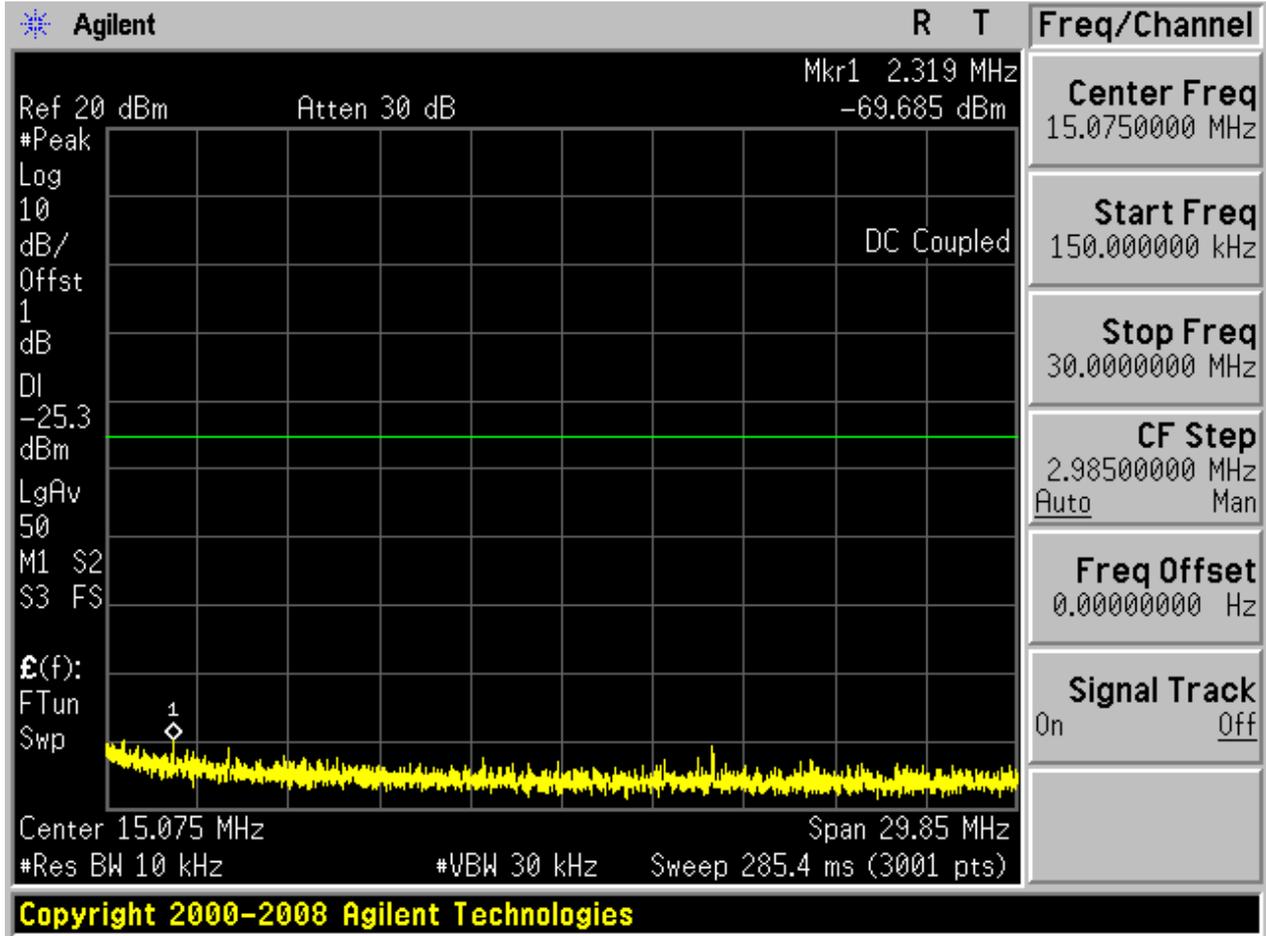
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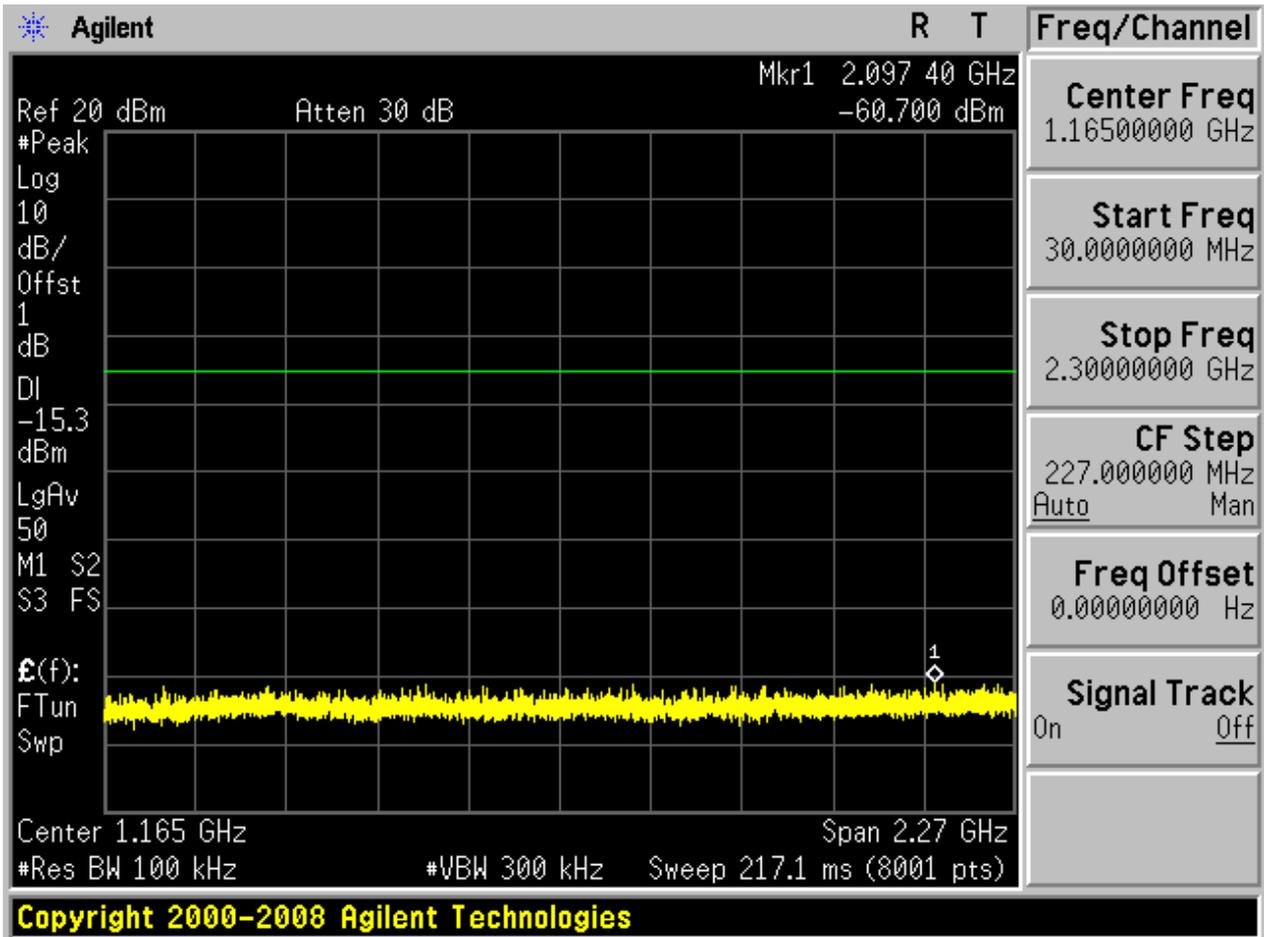


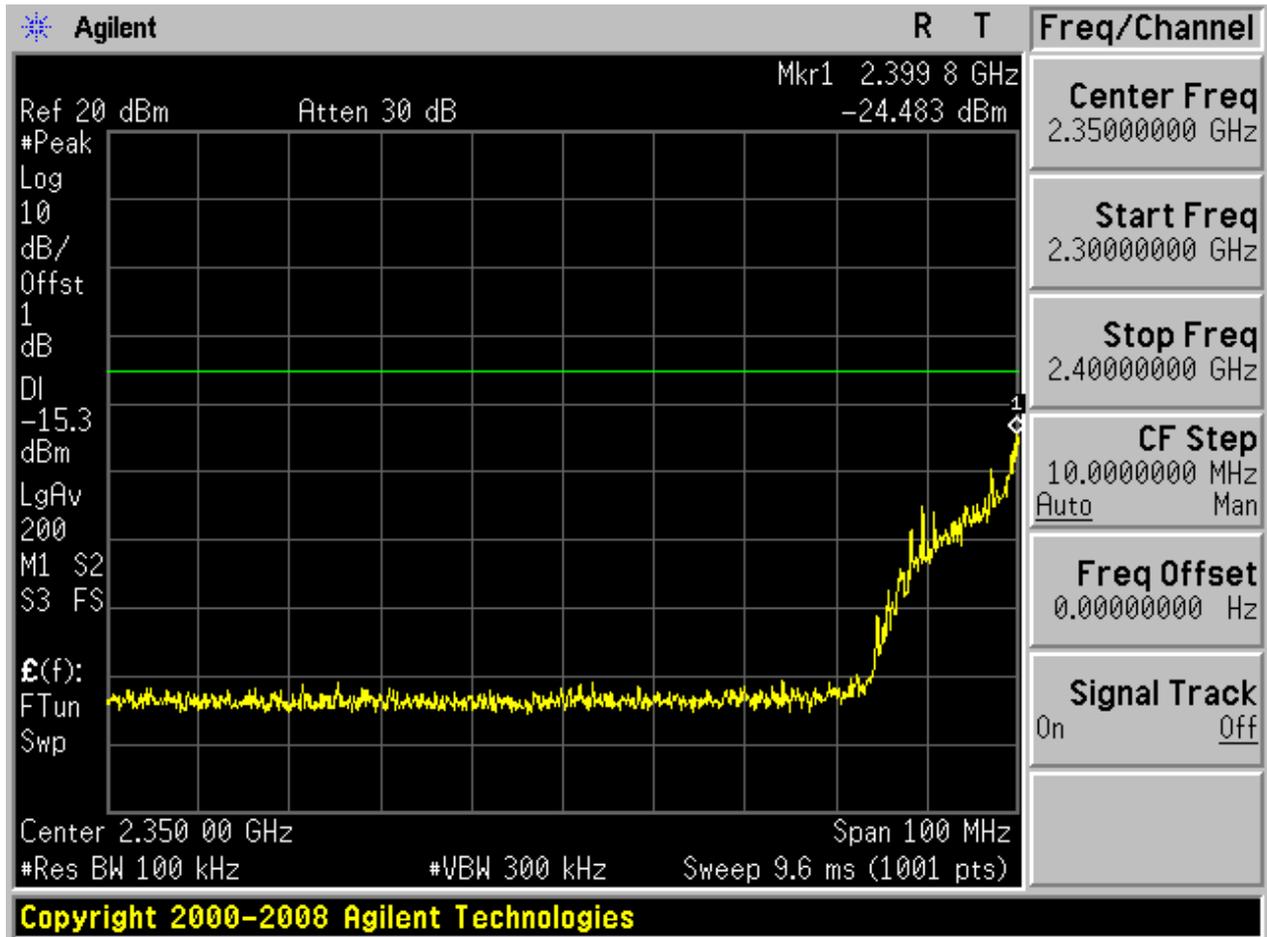


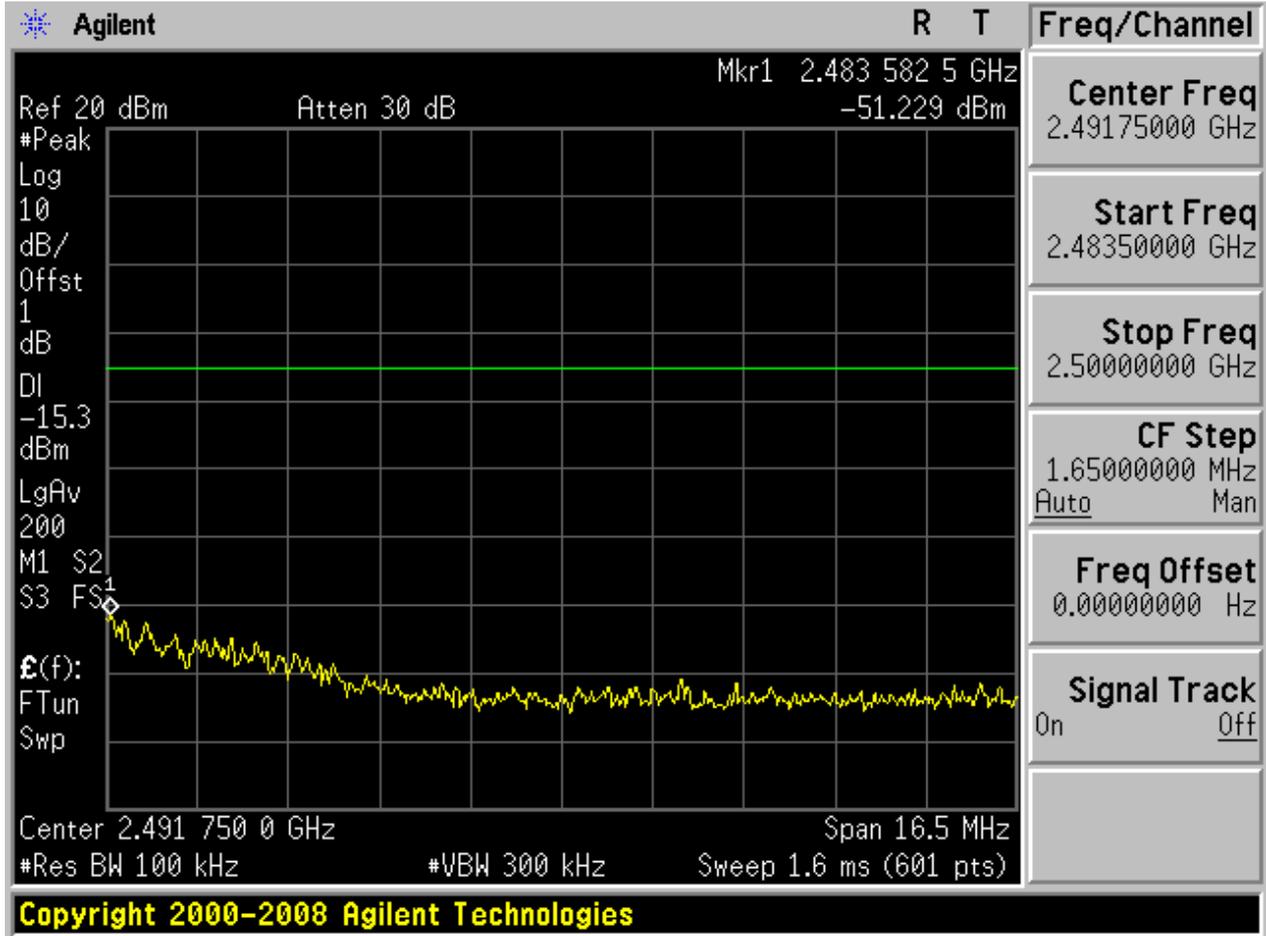
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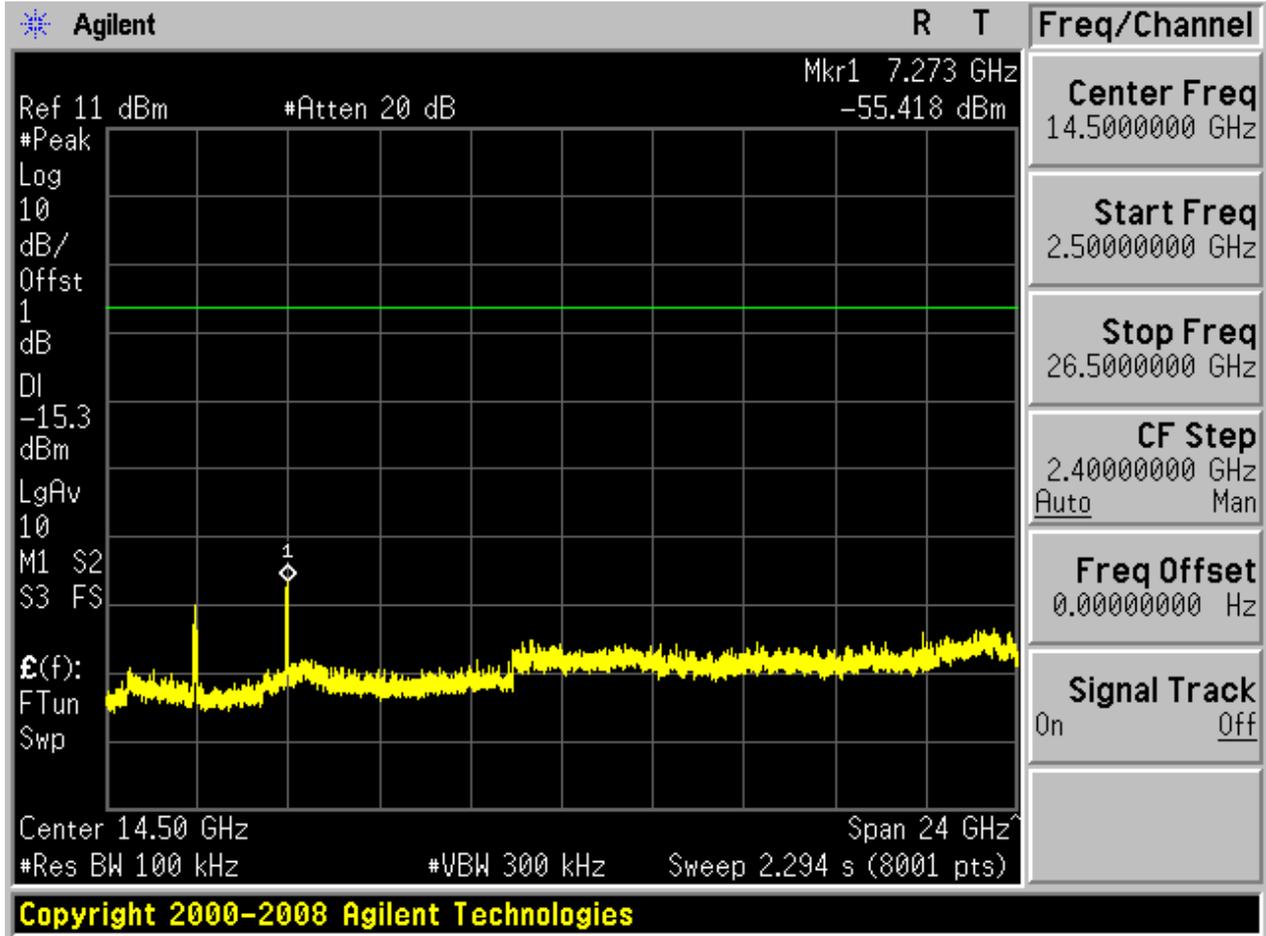








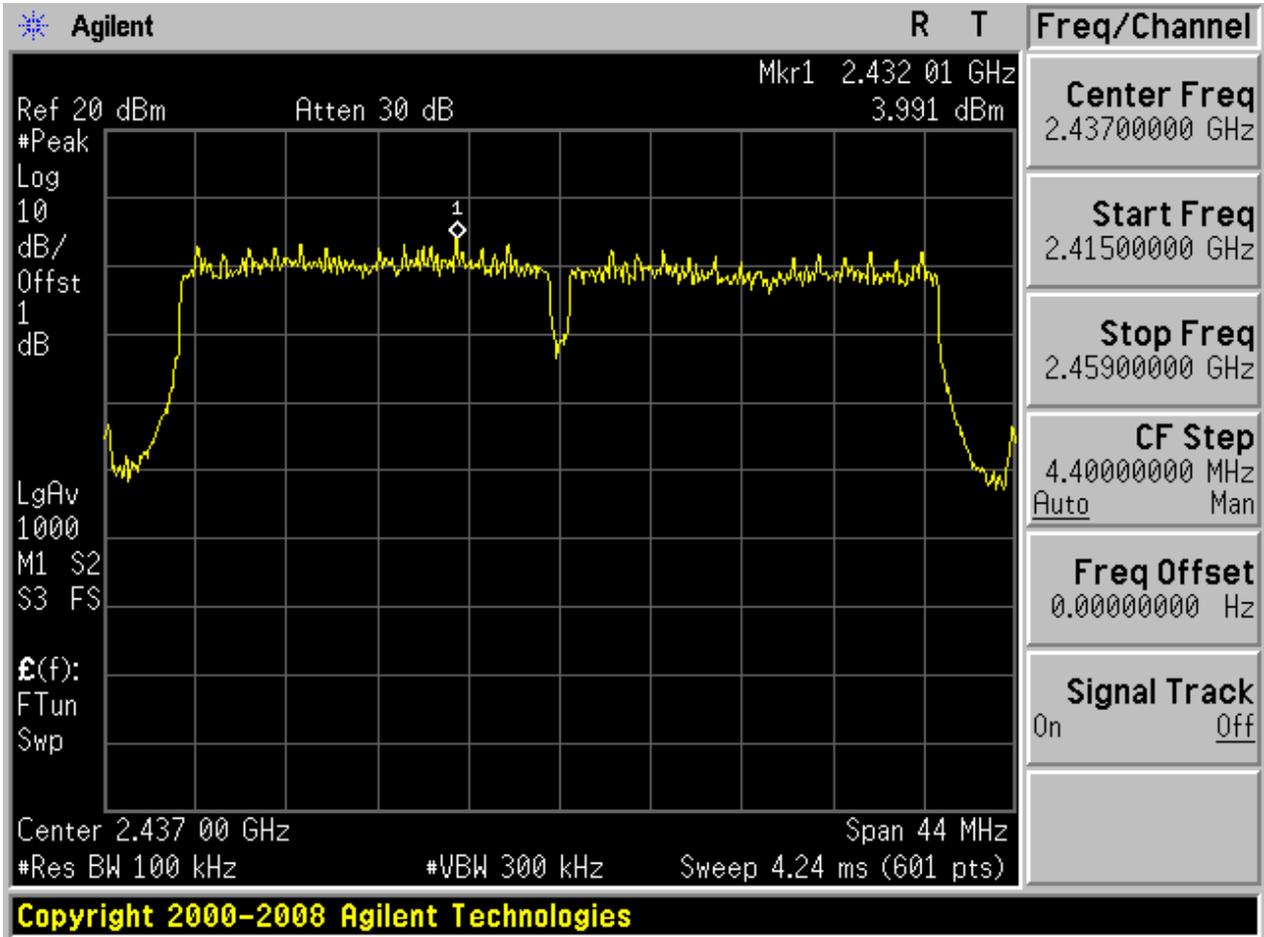






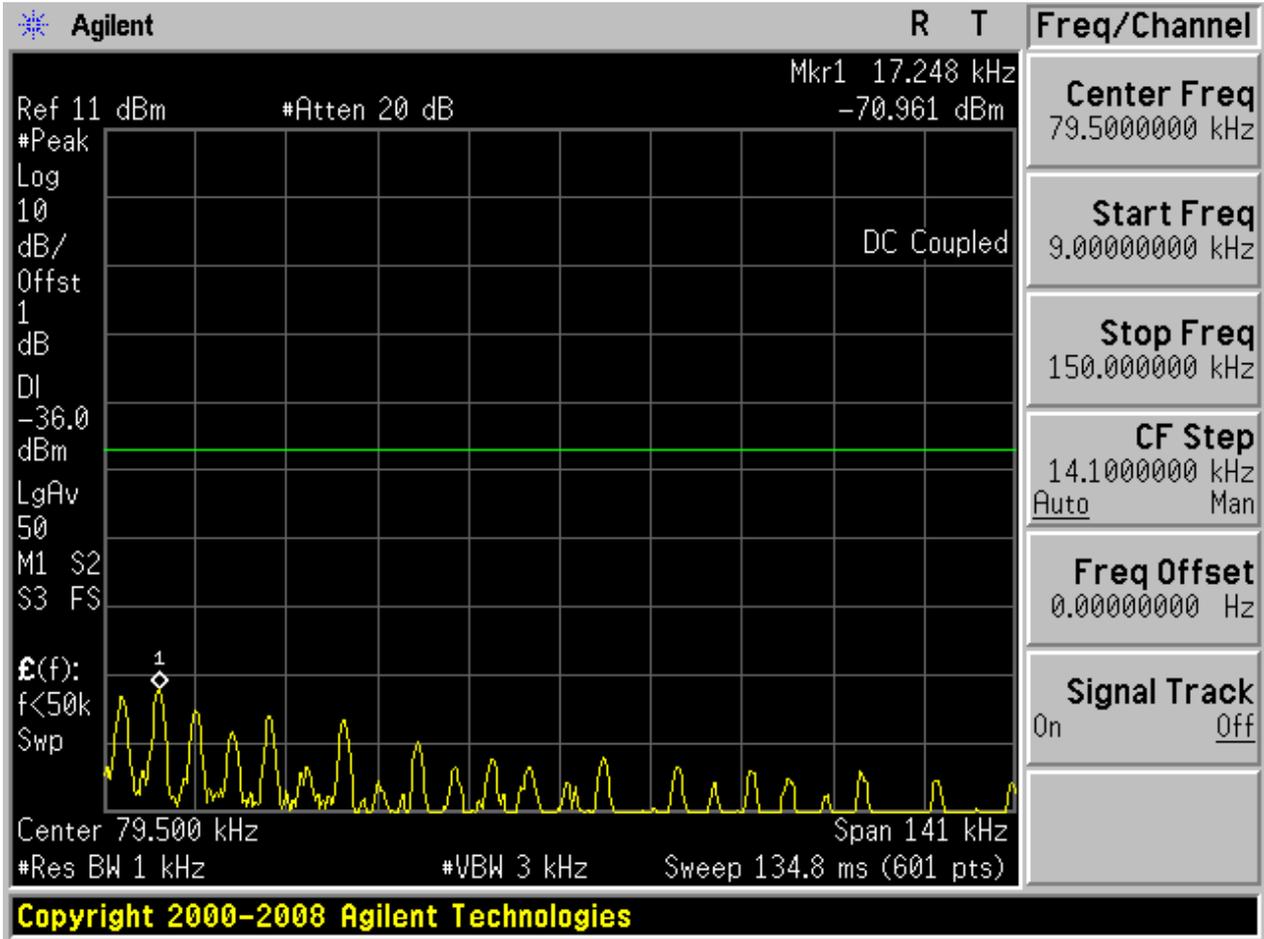
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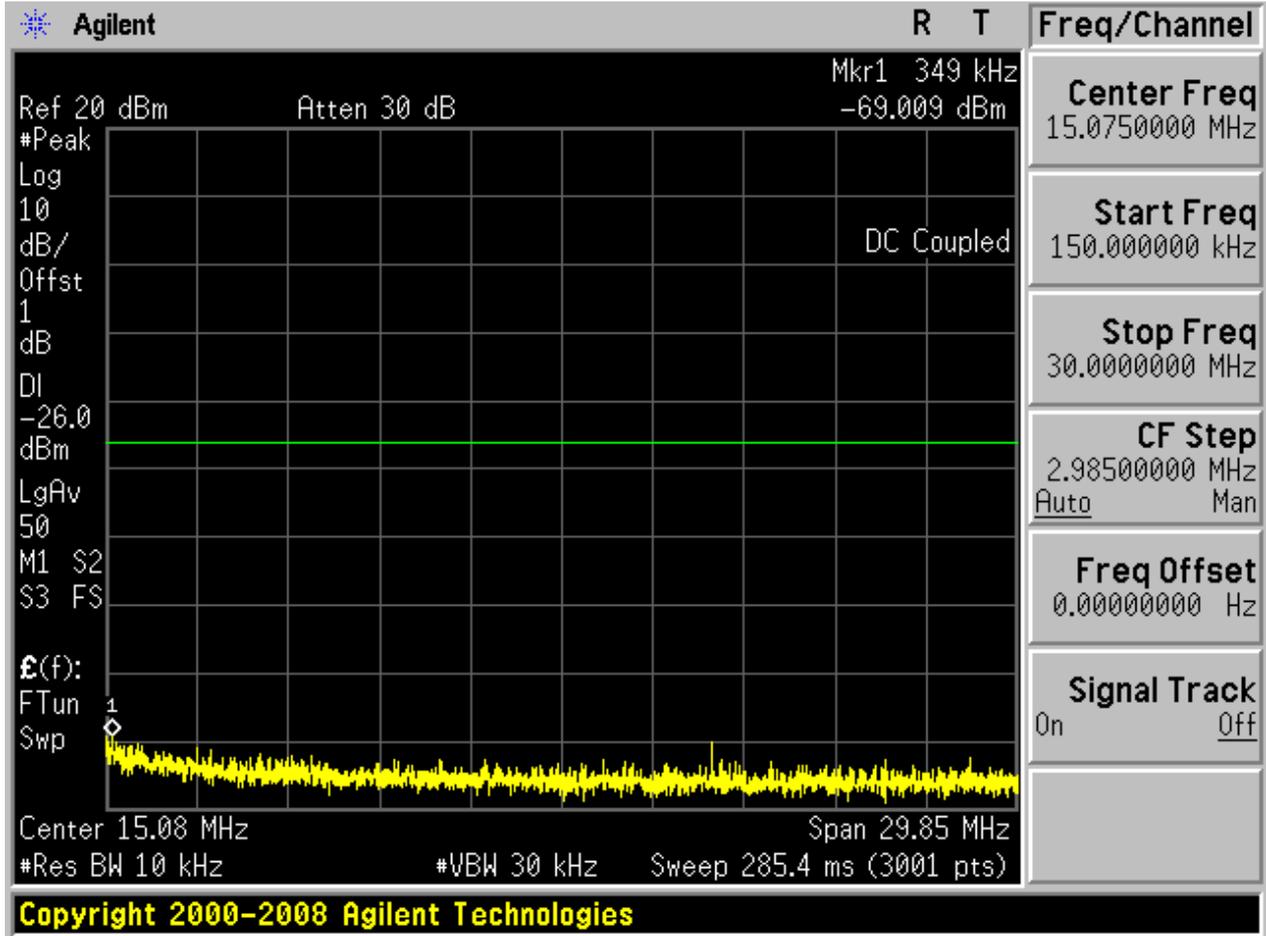
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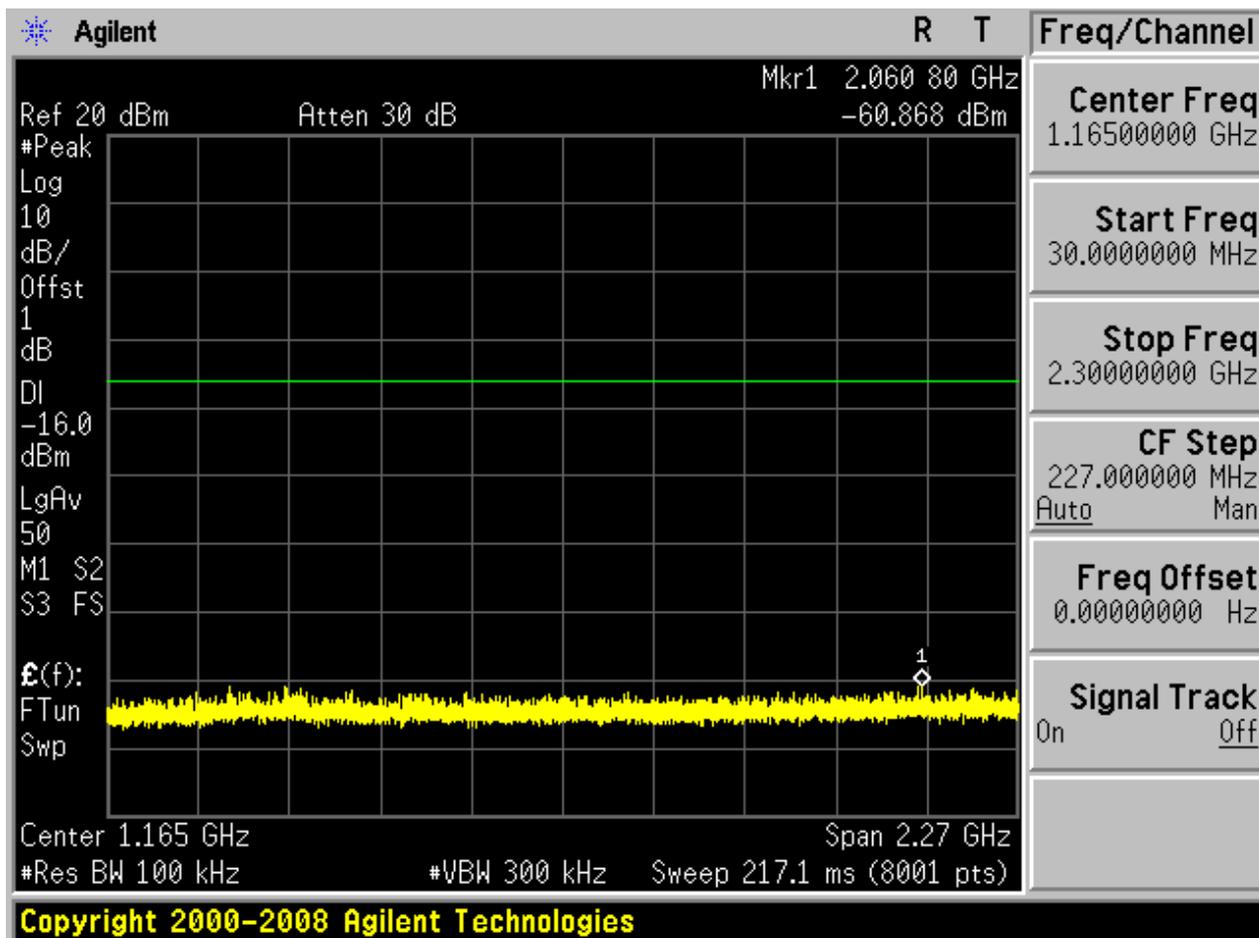


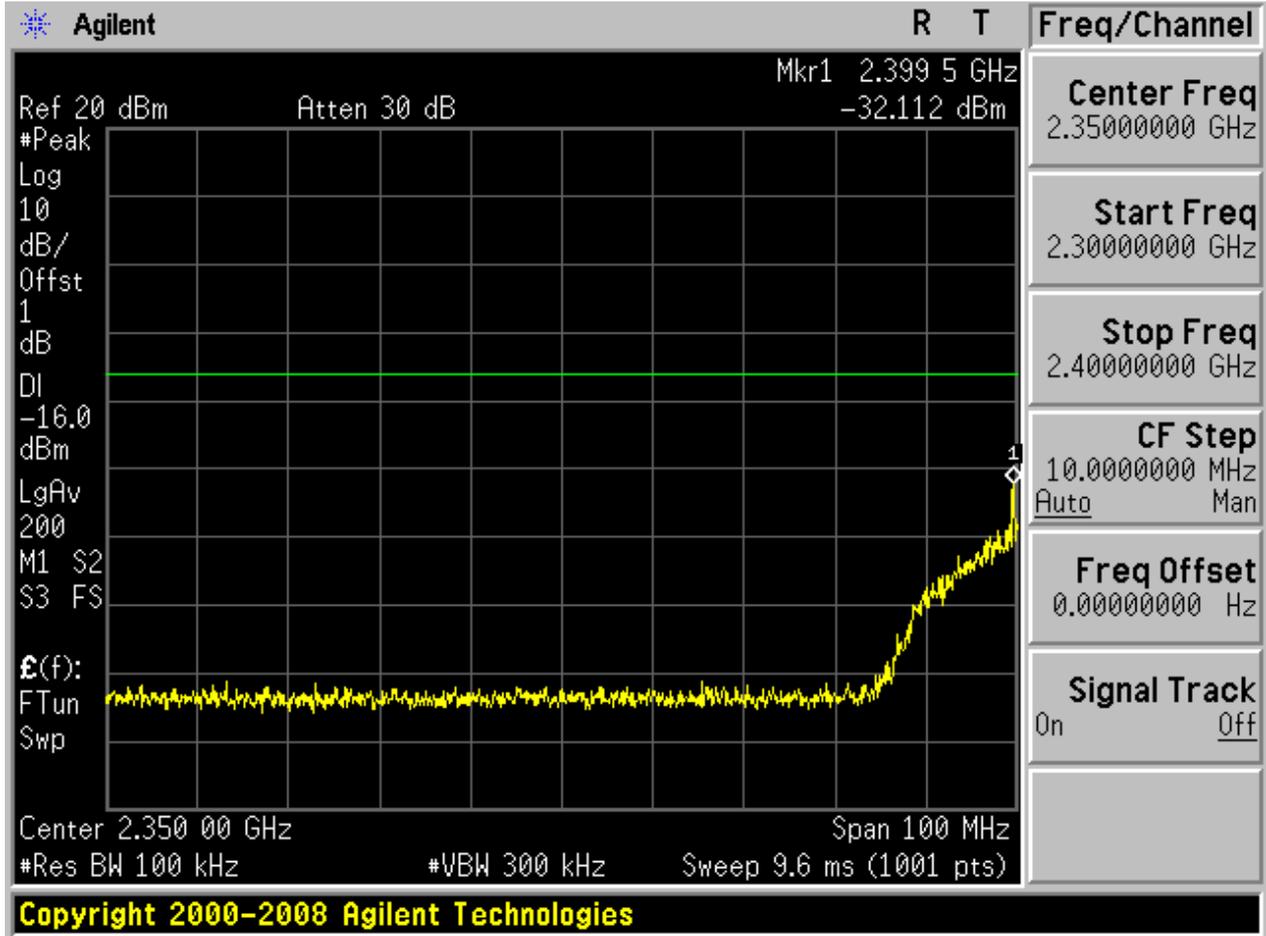


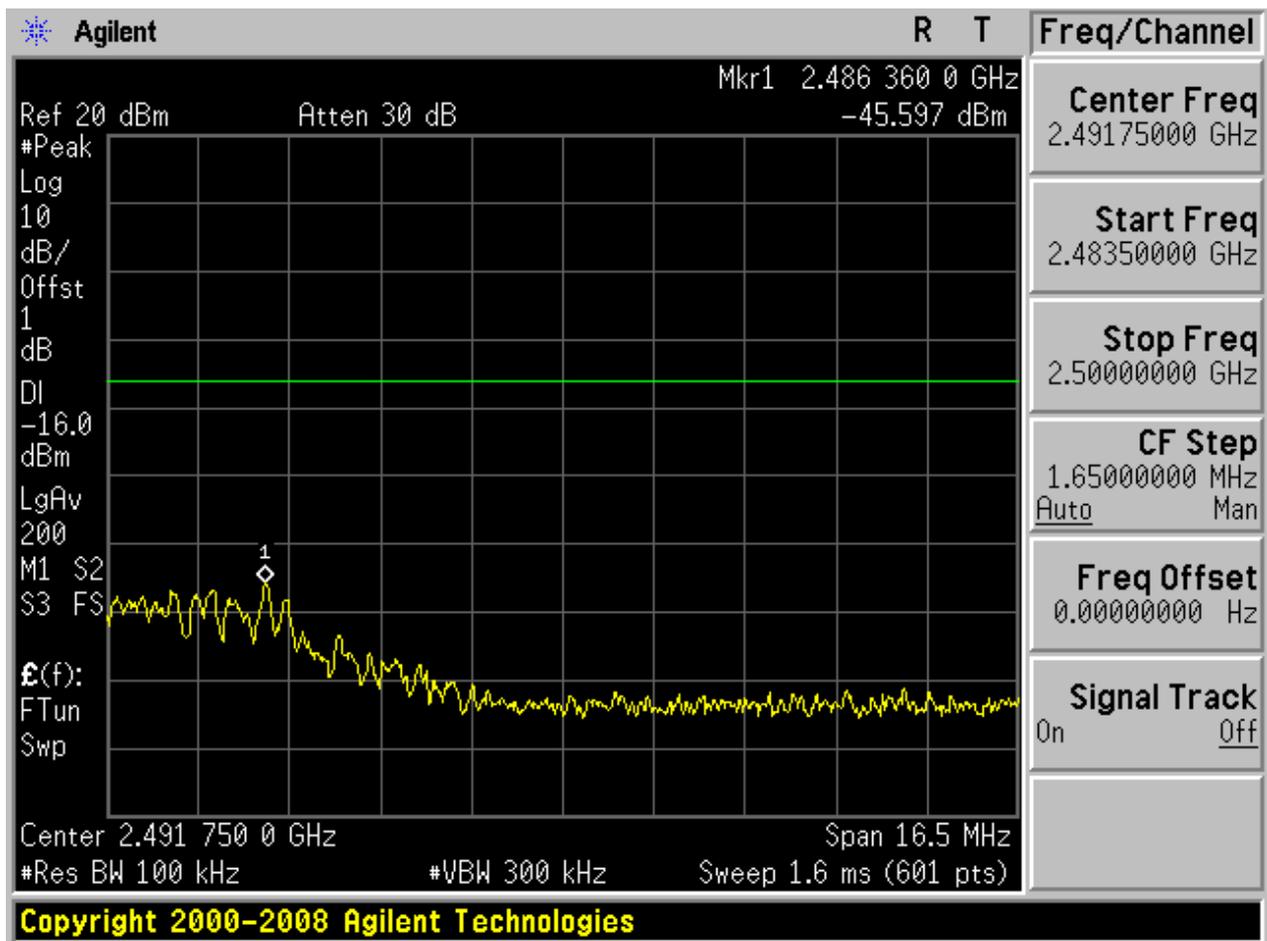
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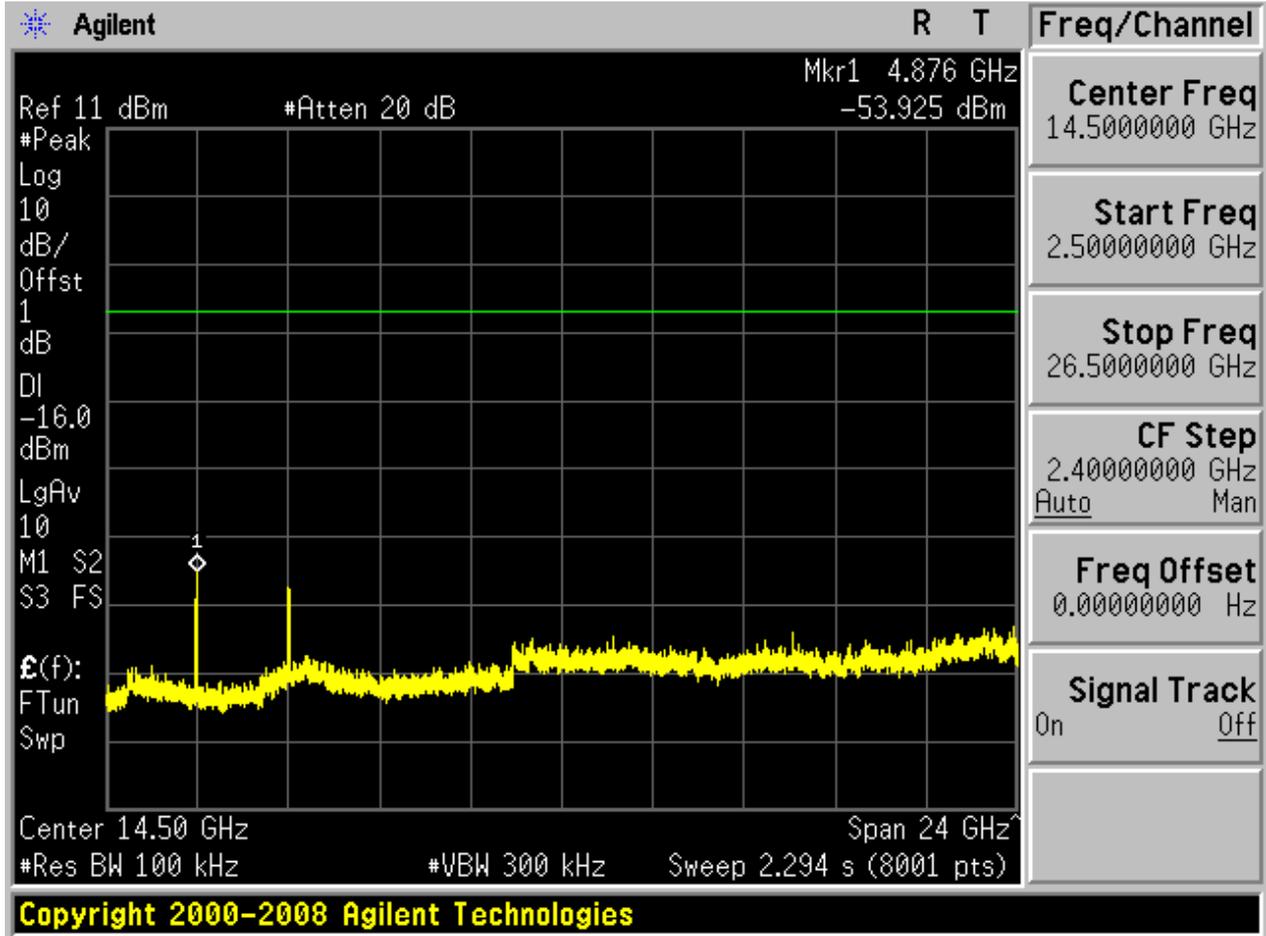








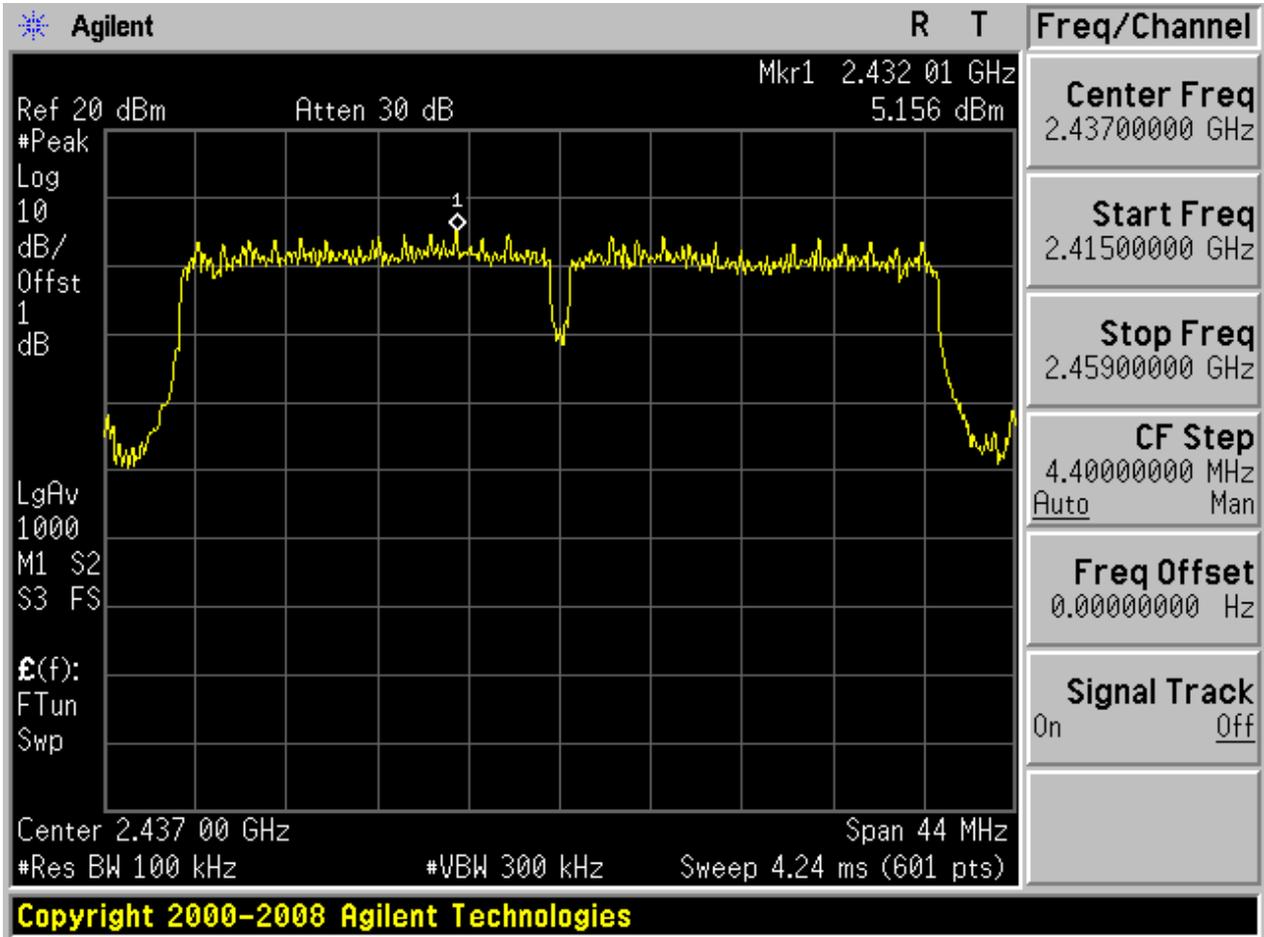






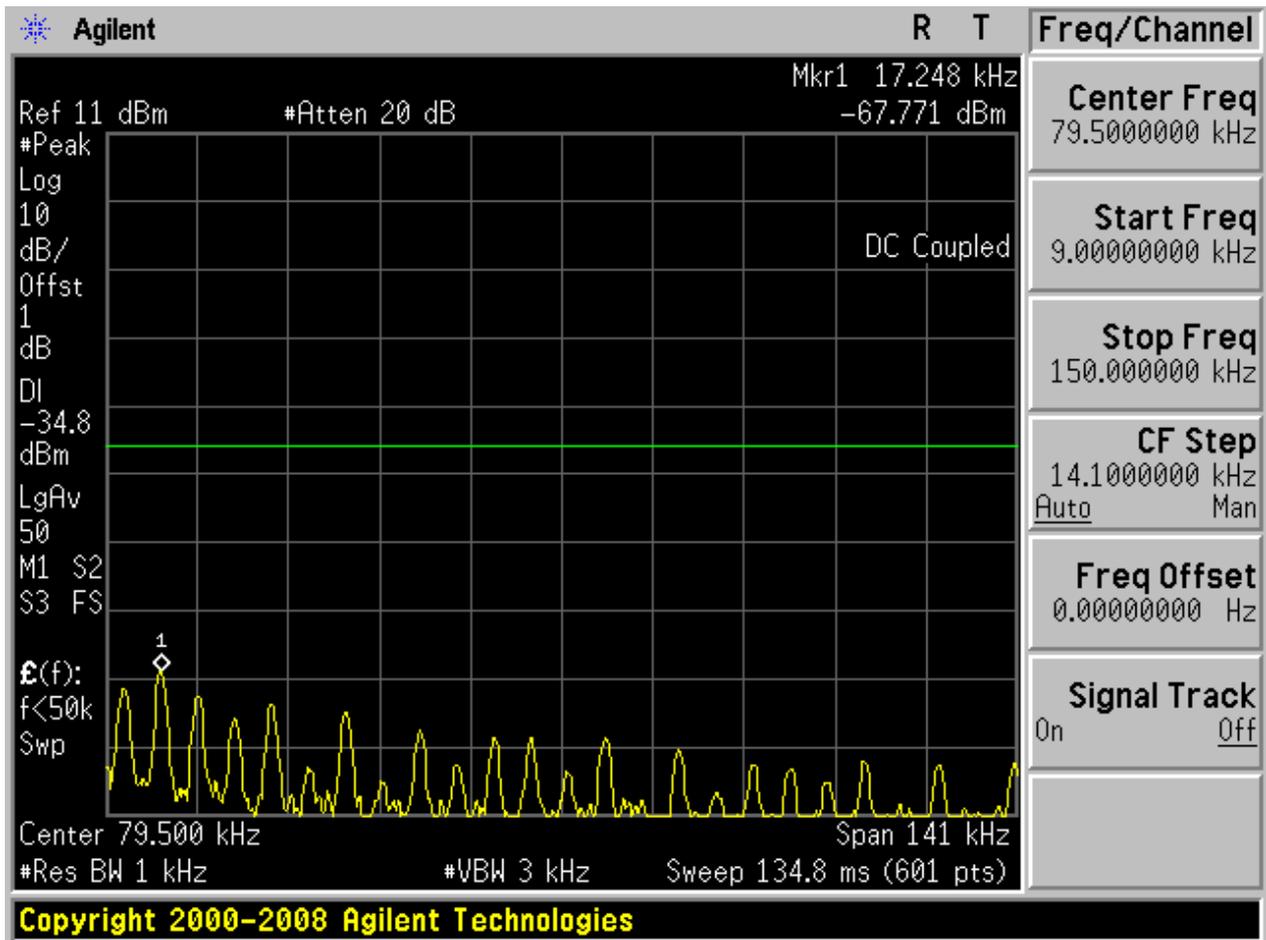
### 4.33 11N40m\_M@Ant 1

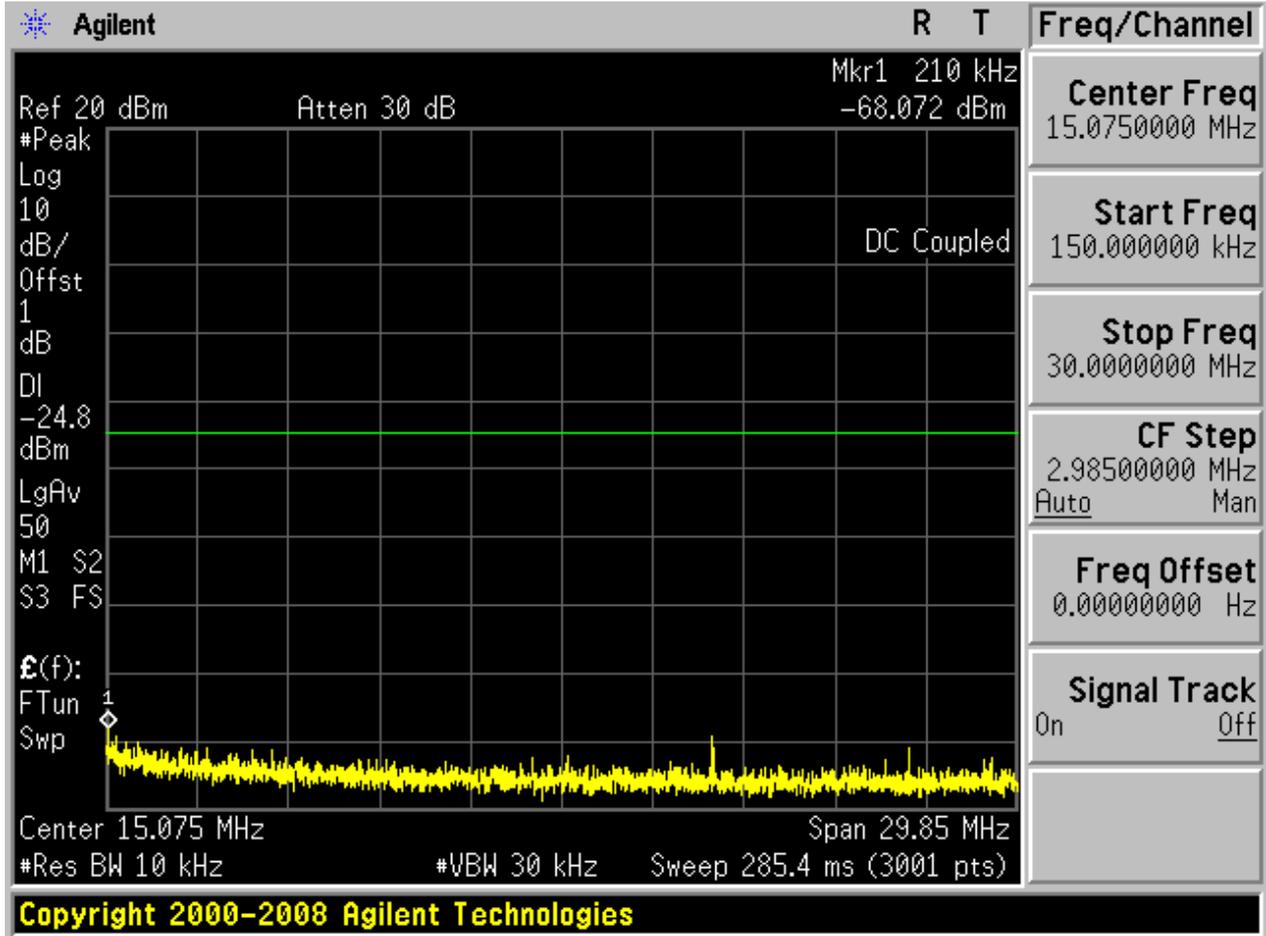
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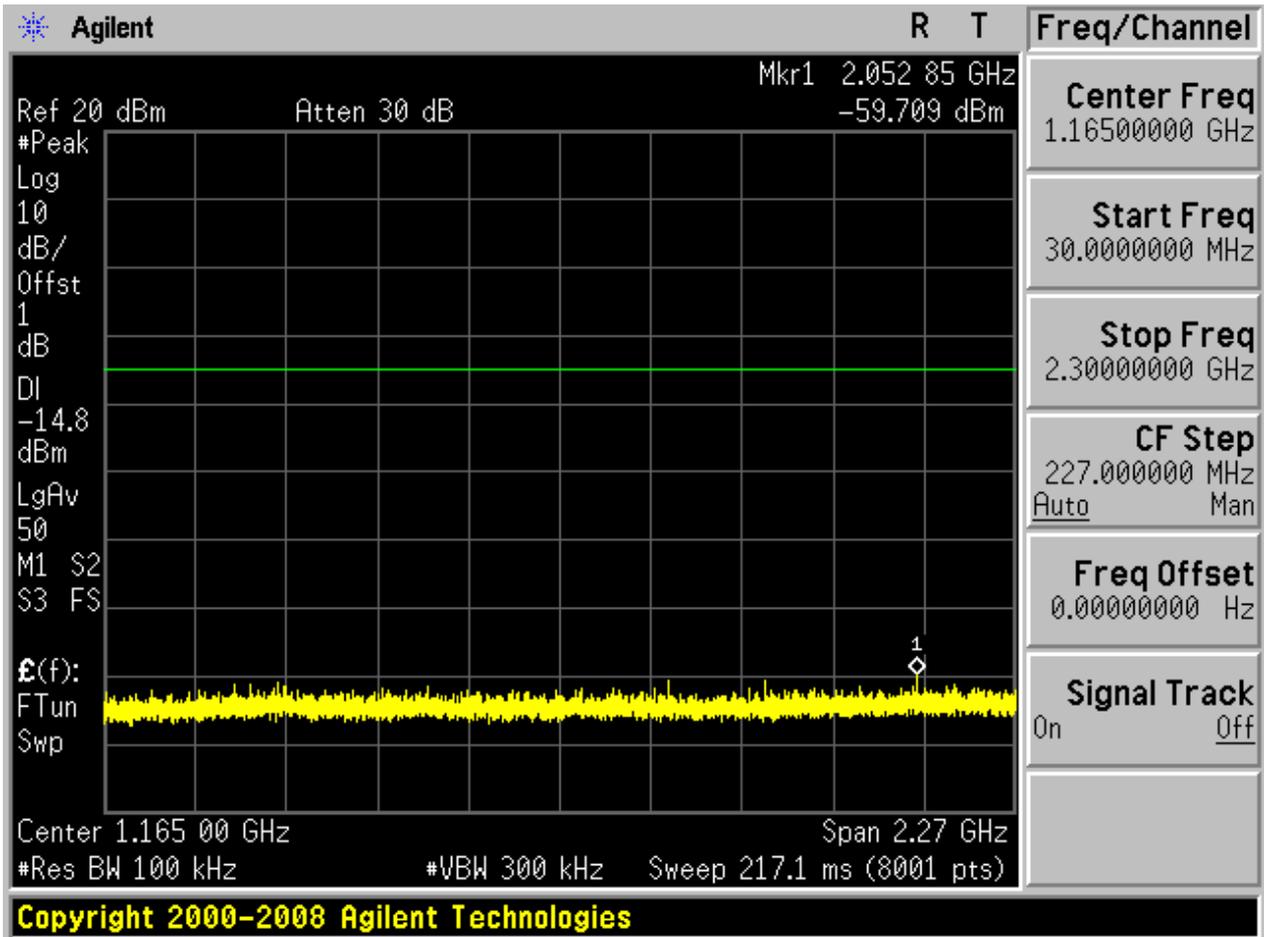


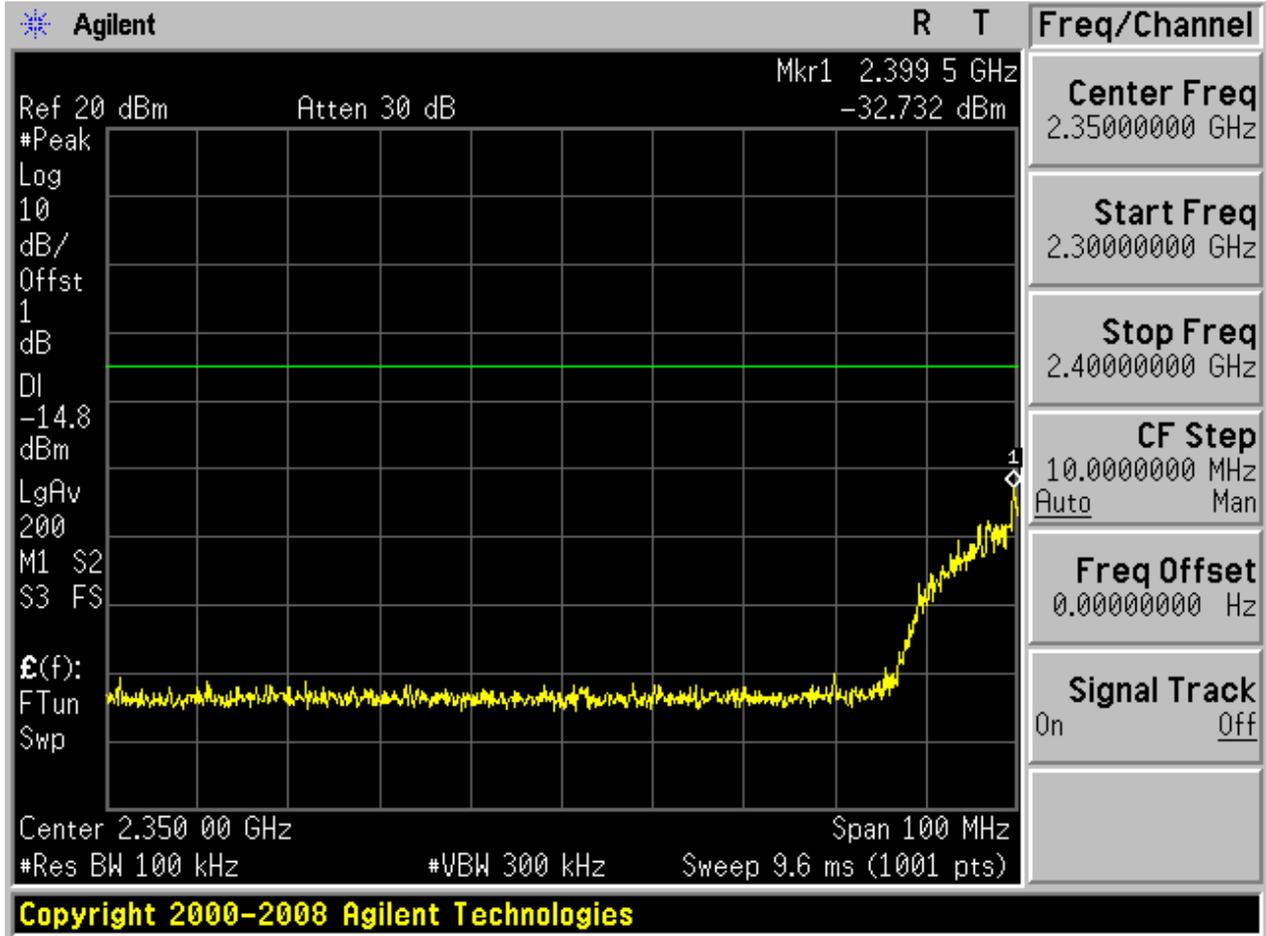


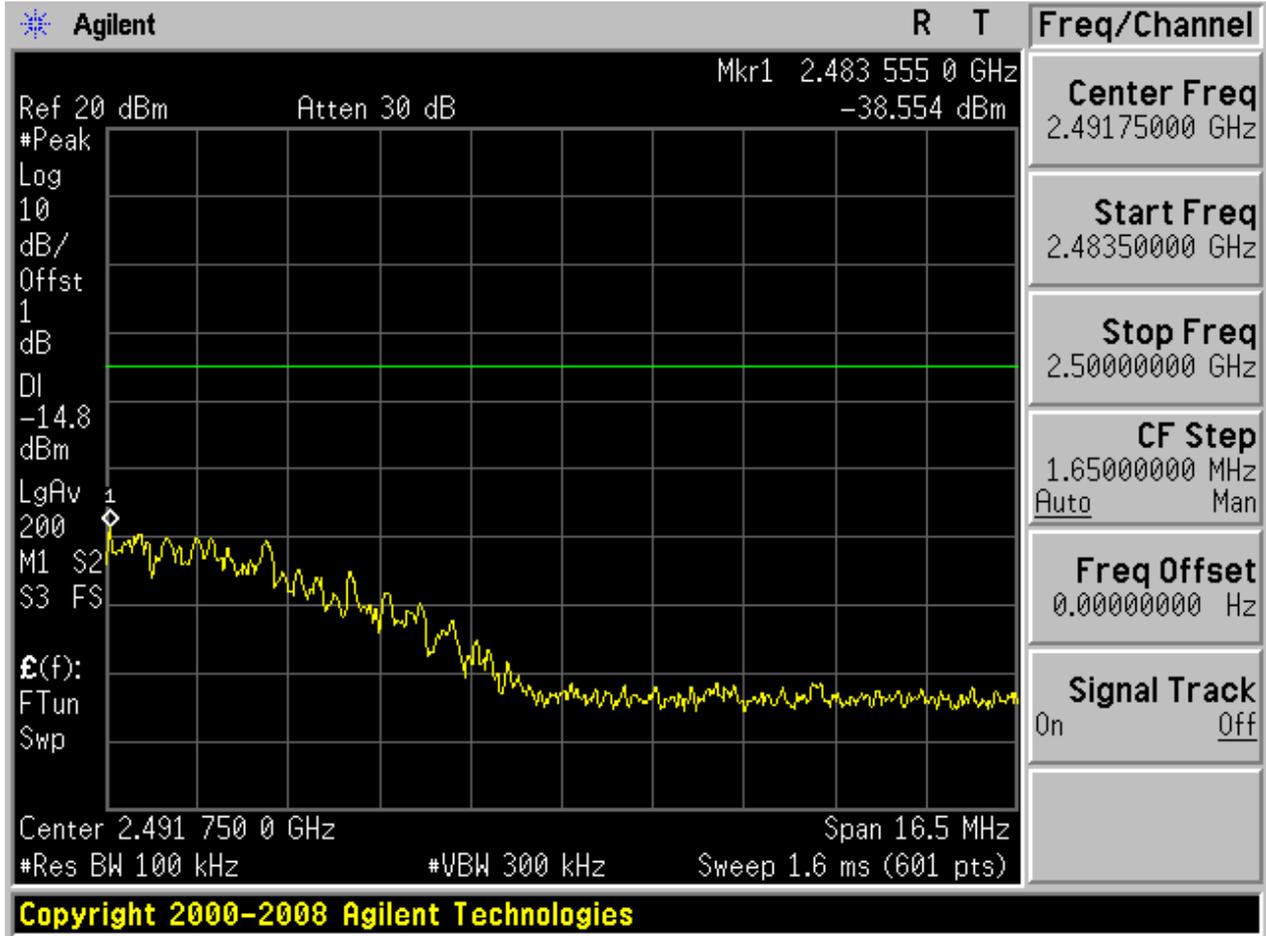
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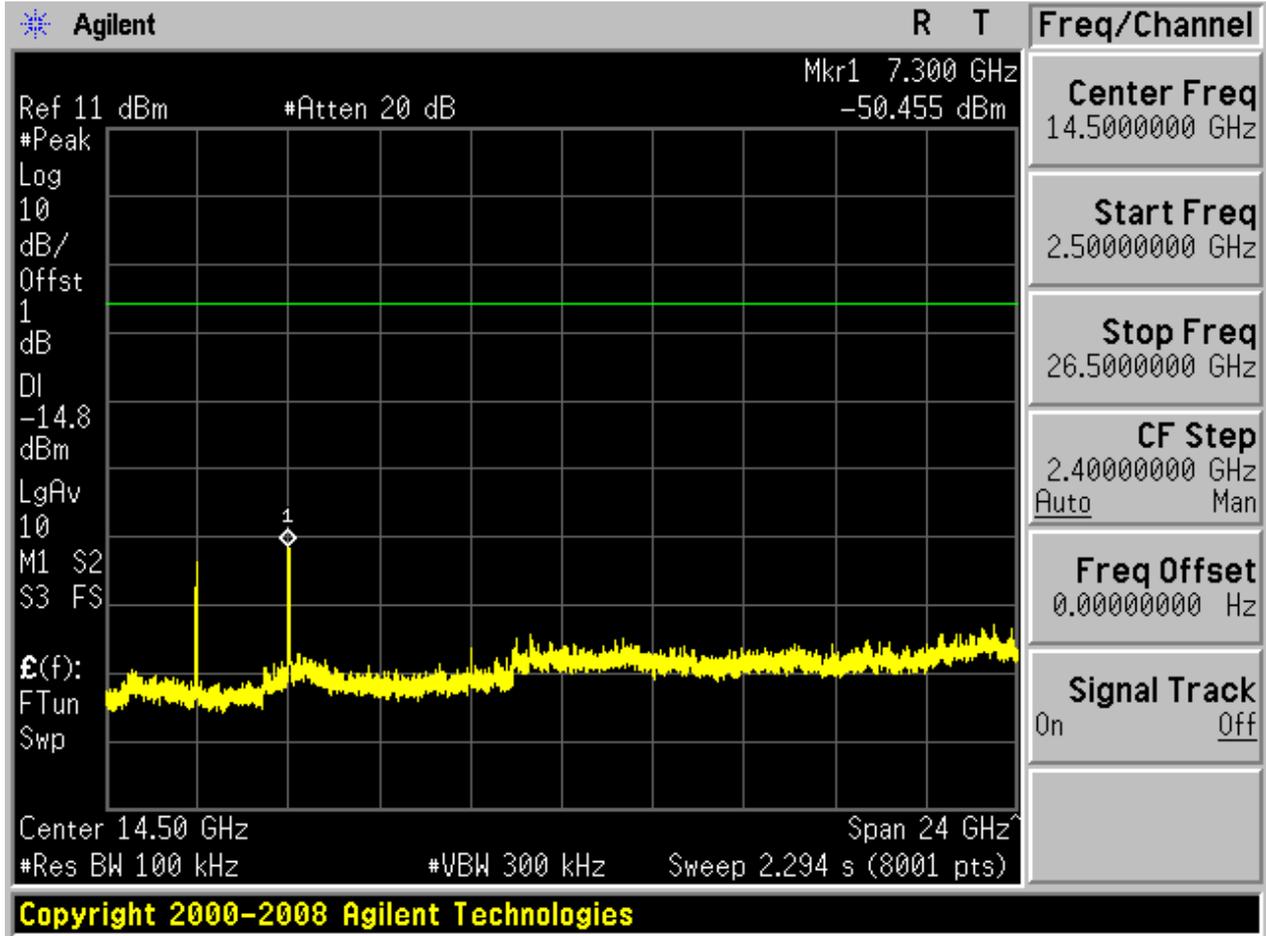








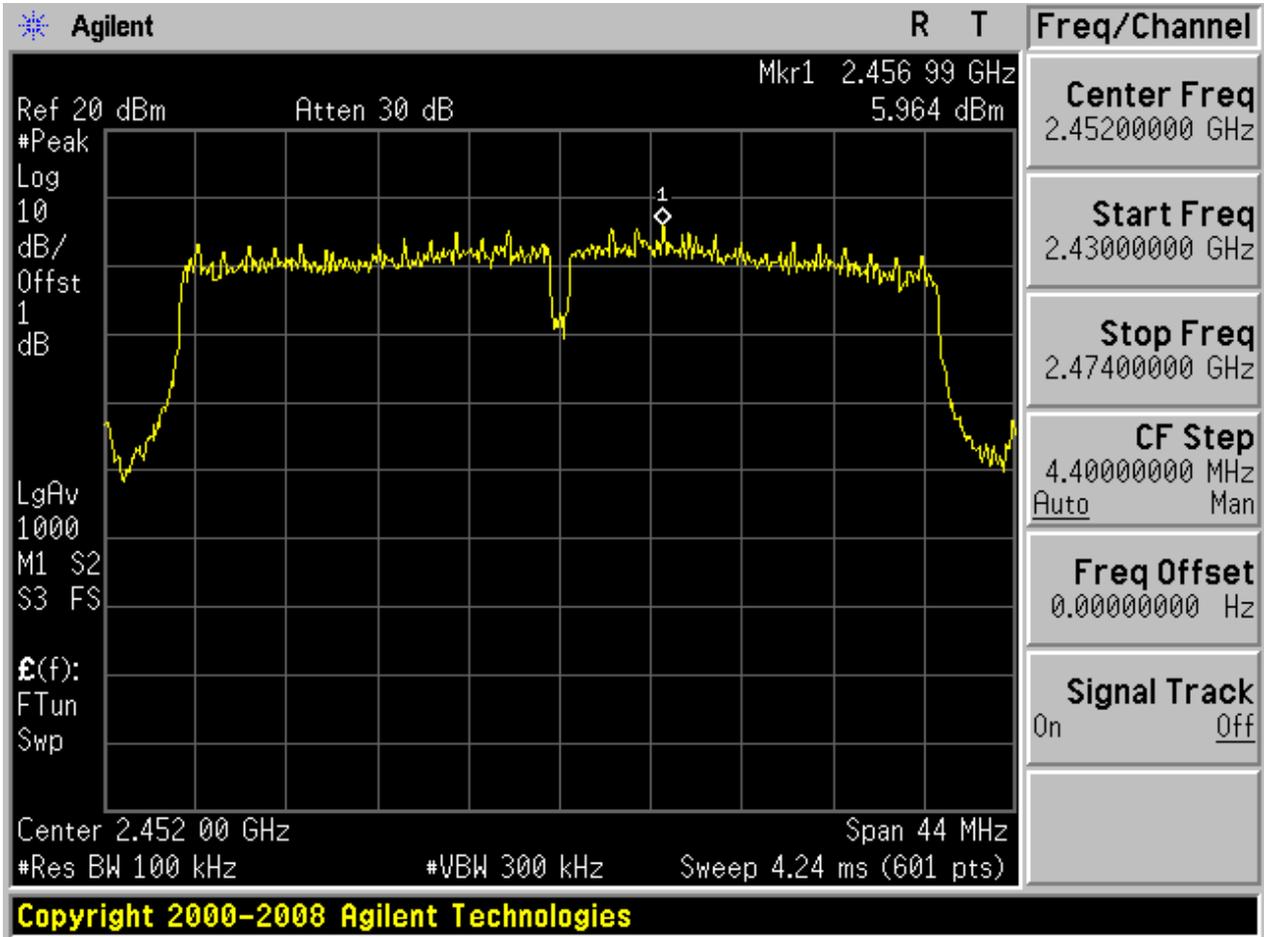






### 4.35 11N40m\_H@Ant 1

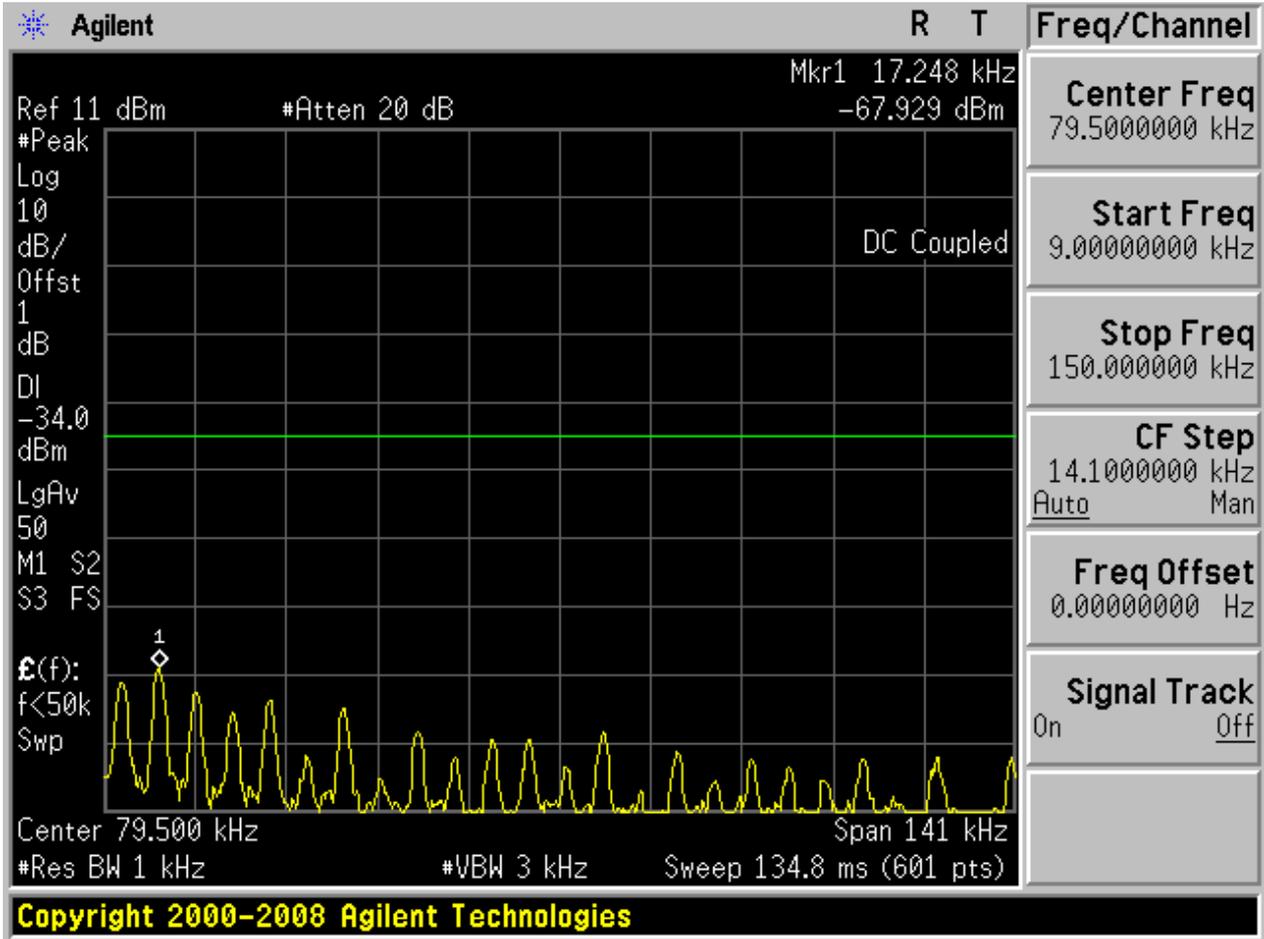
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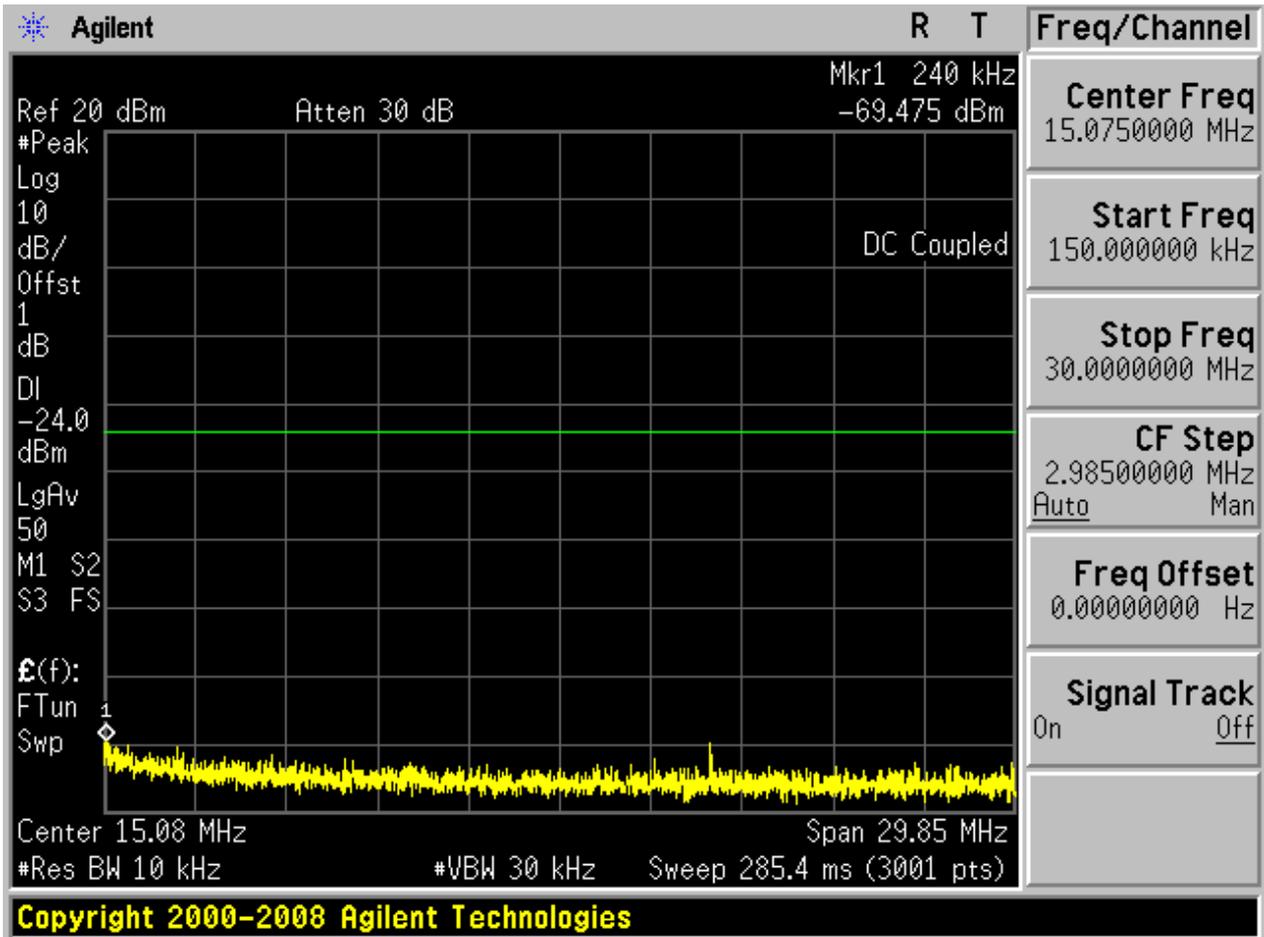


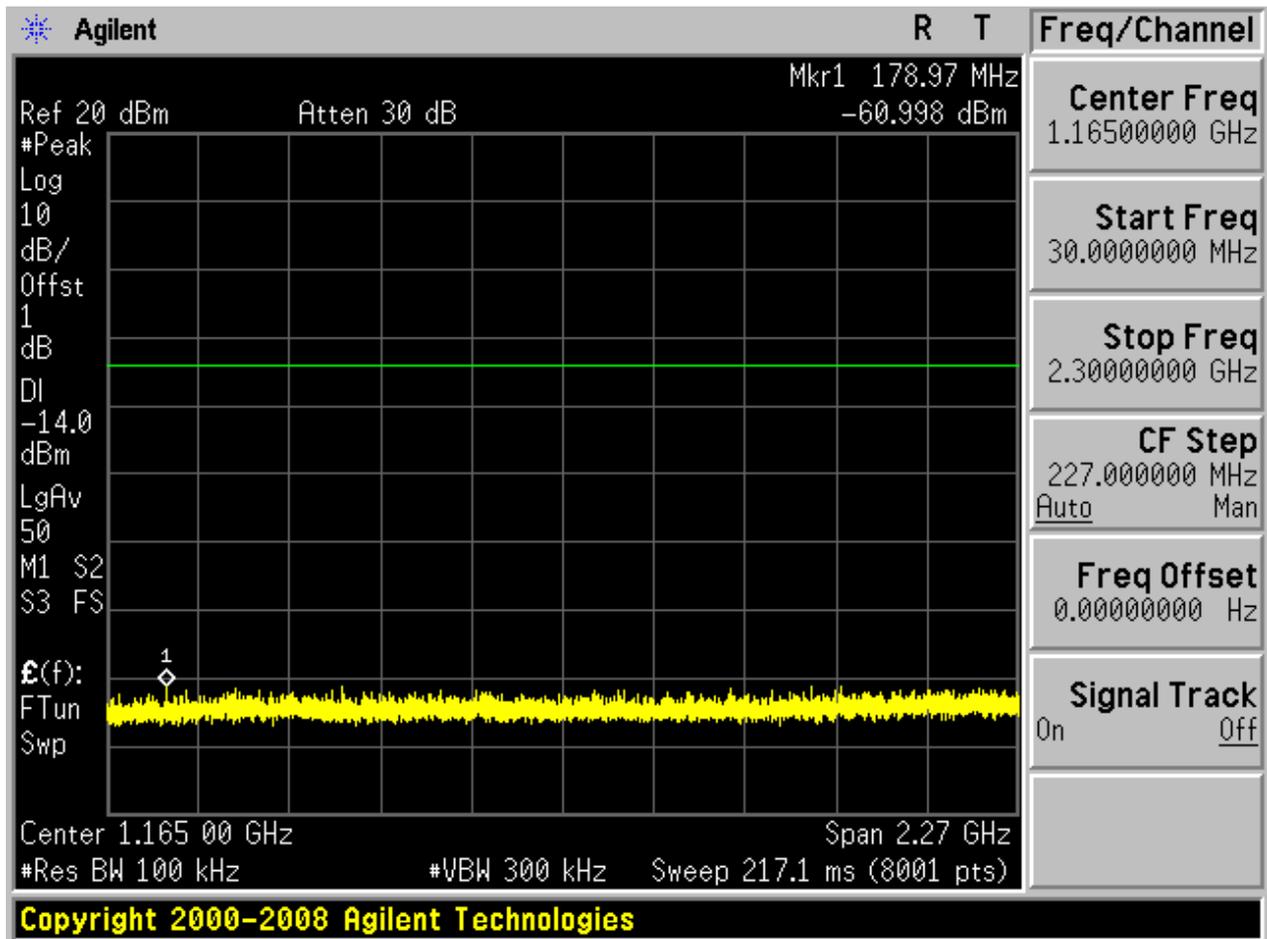
Copyright 2000-2008 Agilent Technologies



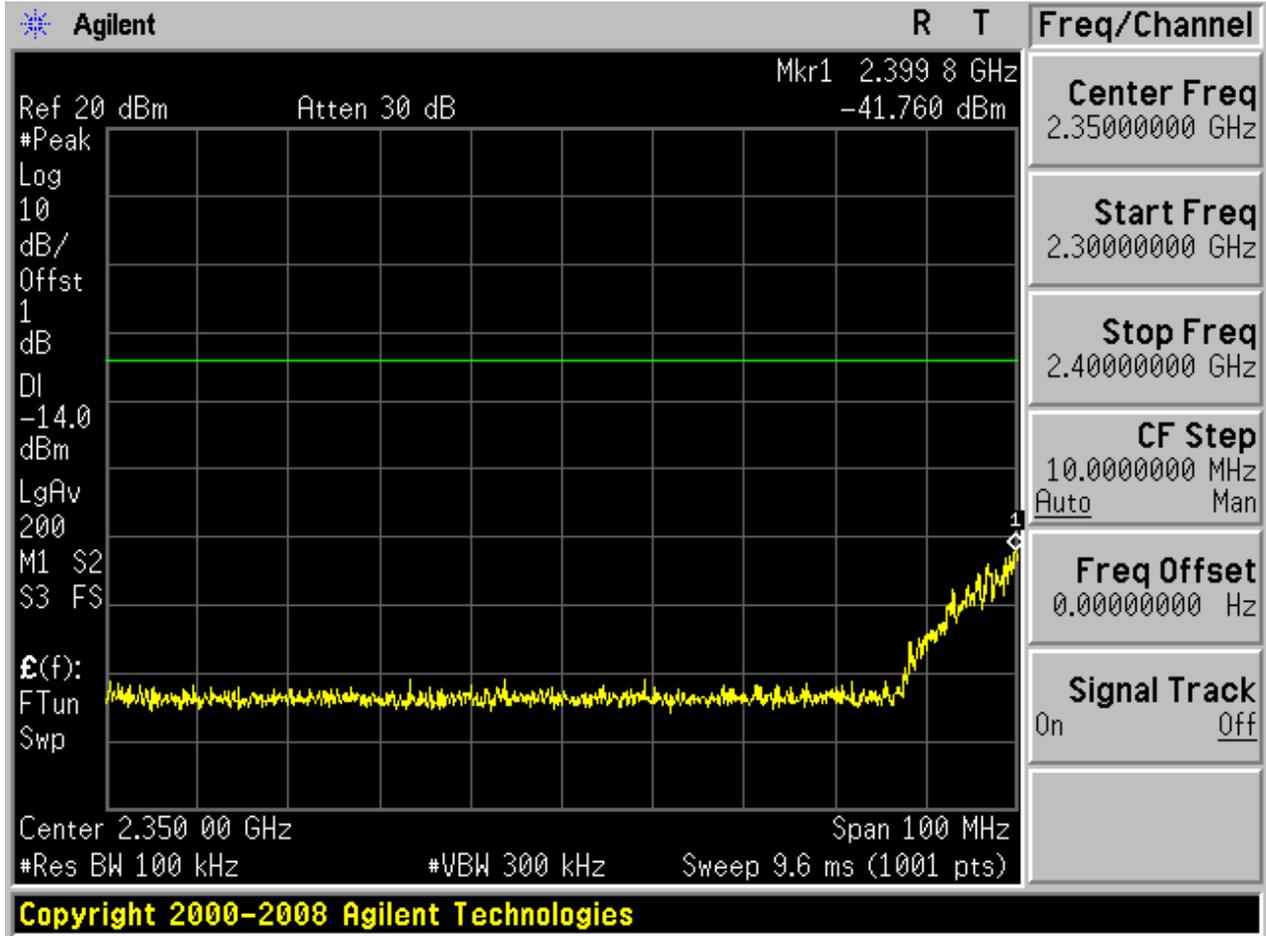
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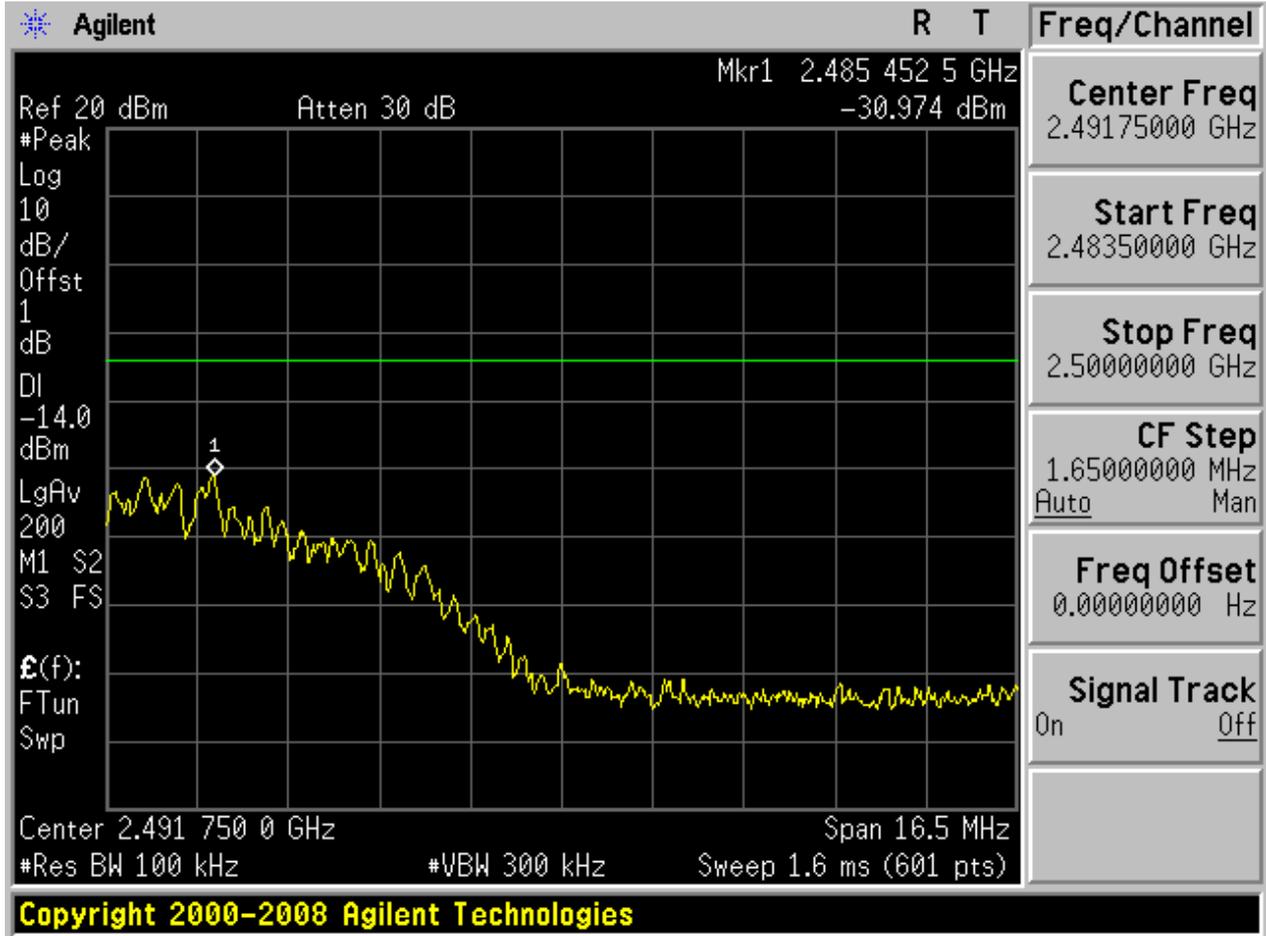


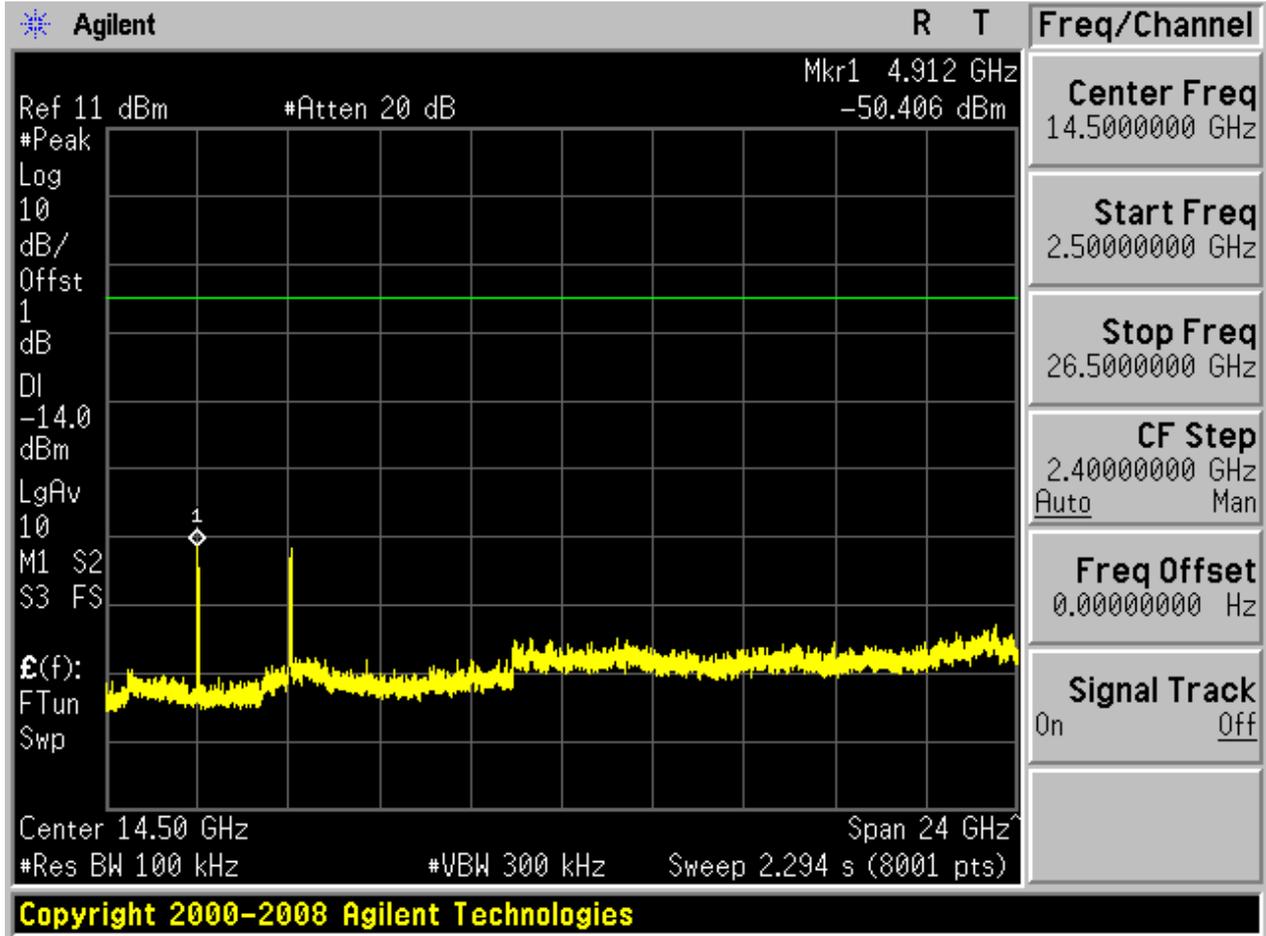




Copyright 2000-2008 Agilent Technologies



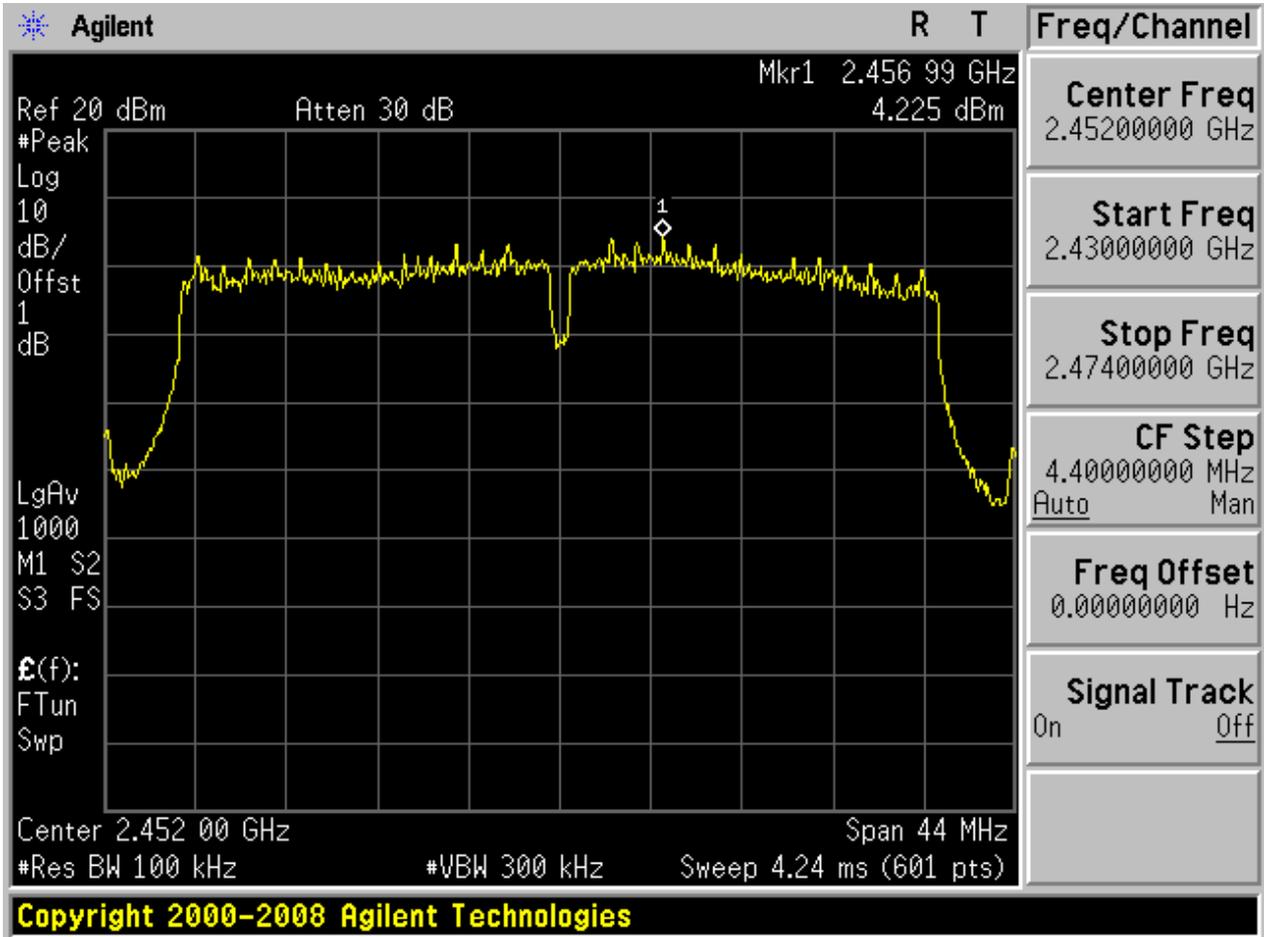






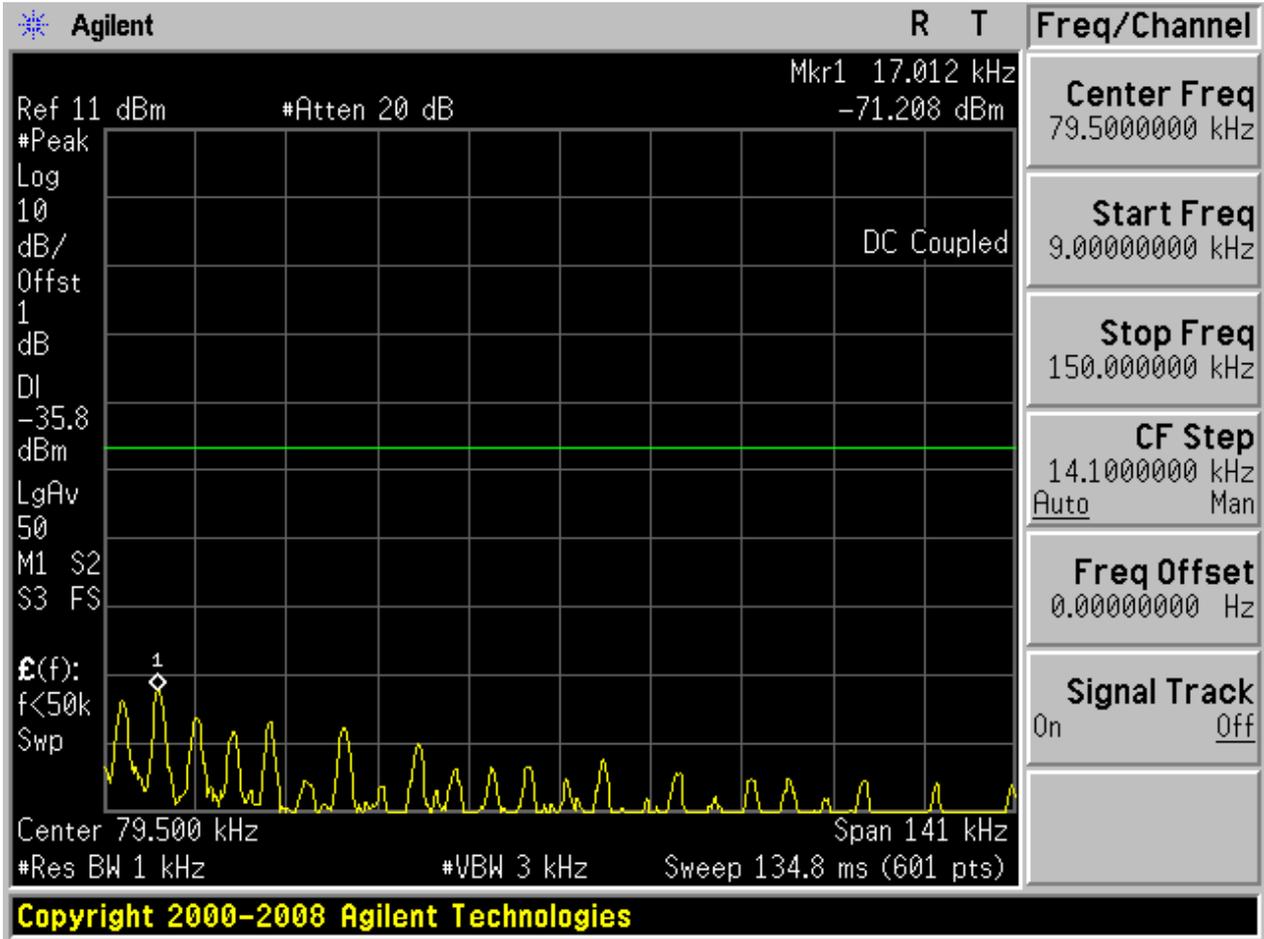
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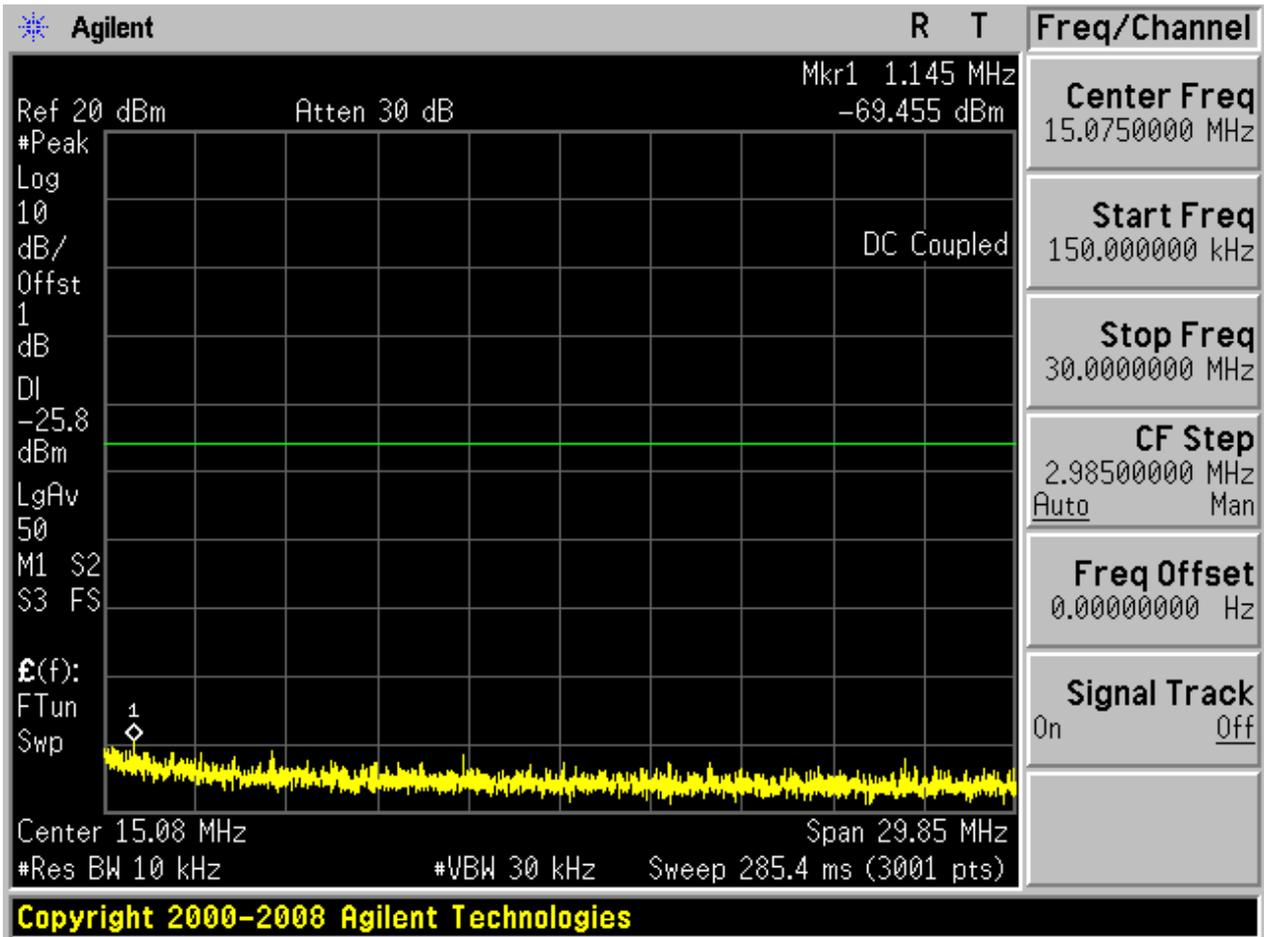
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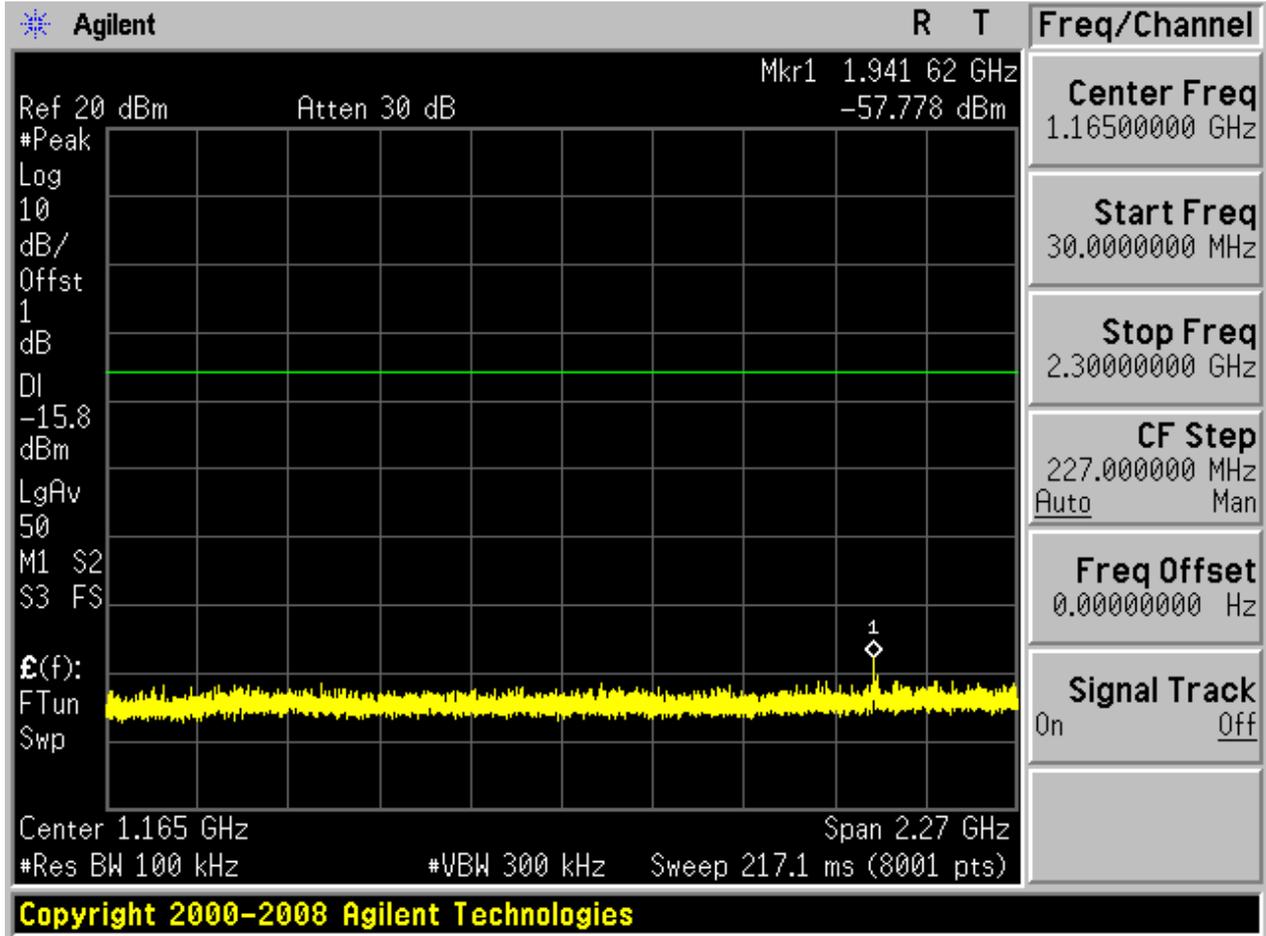


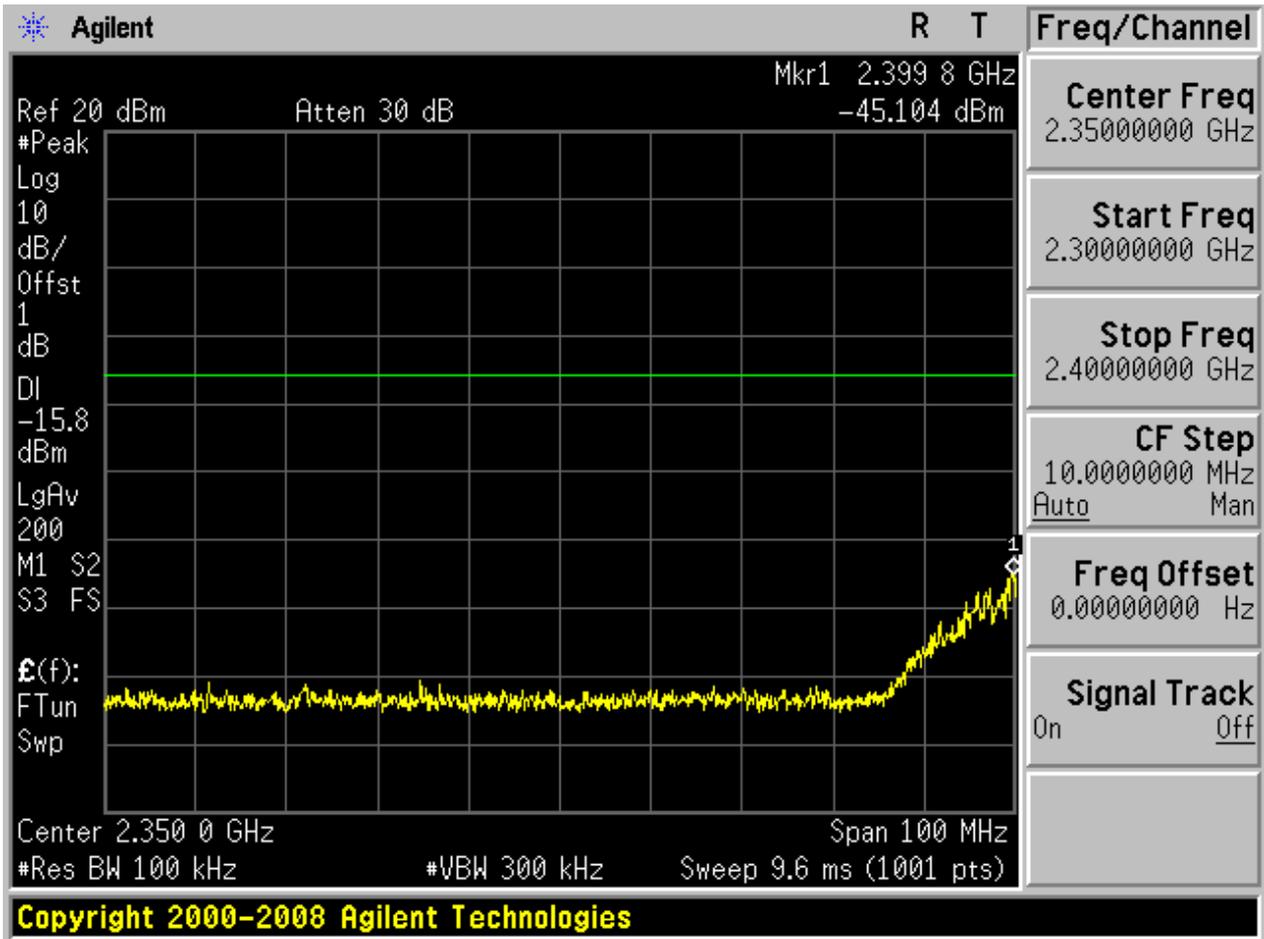


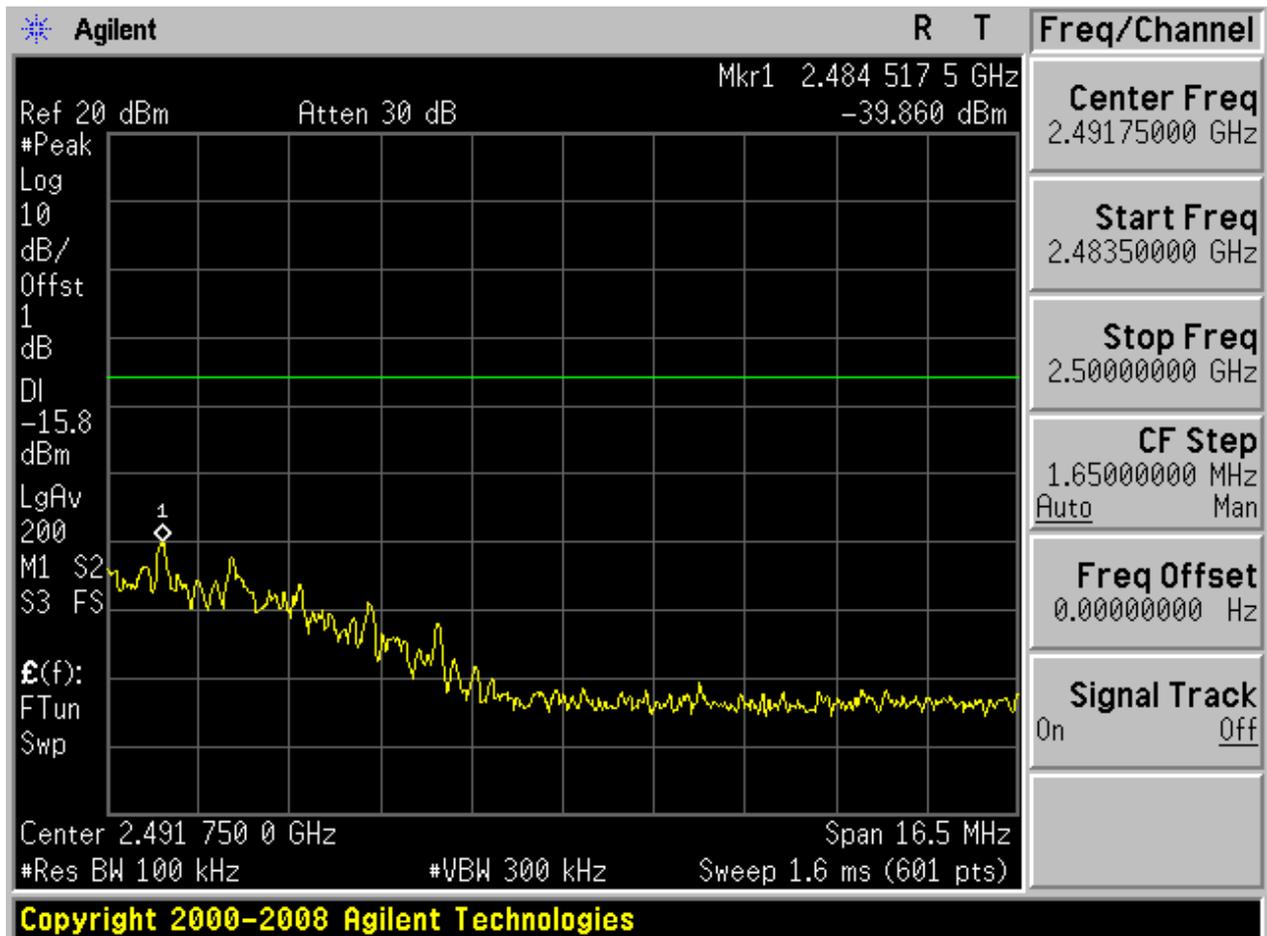
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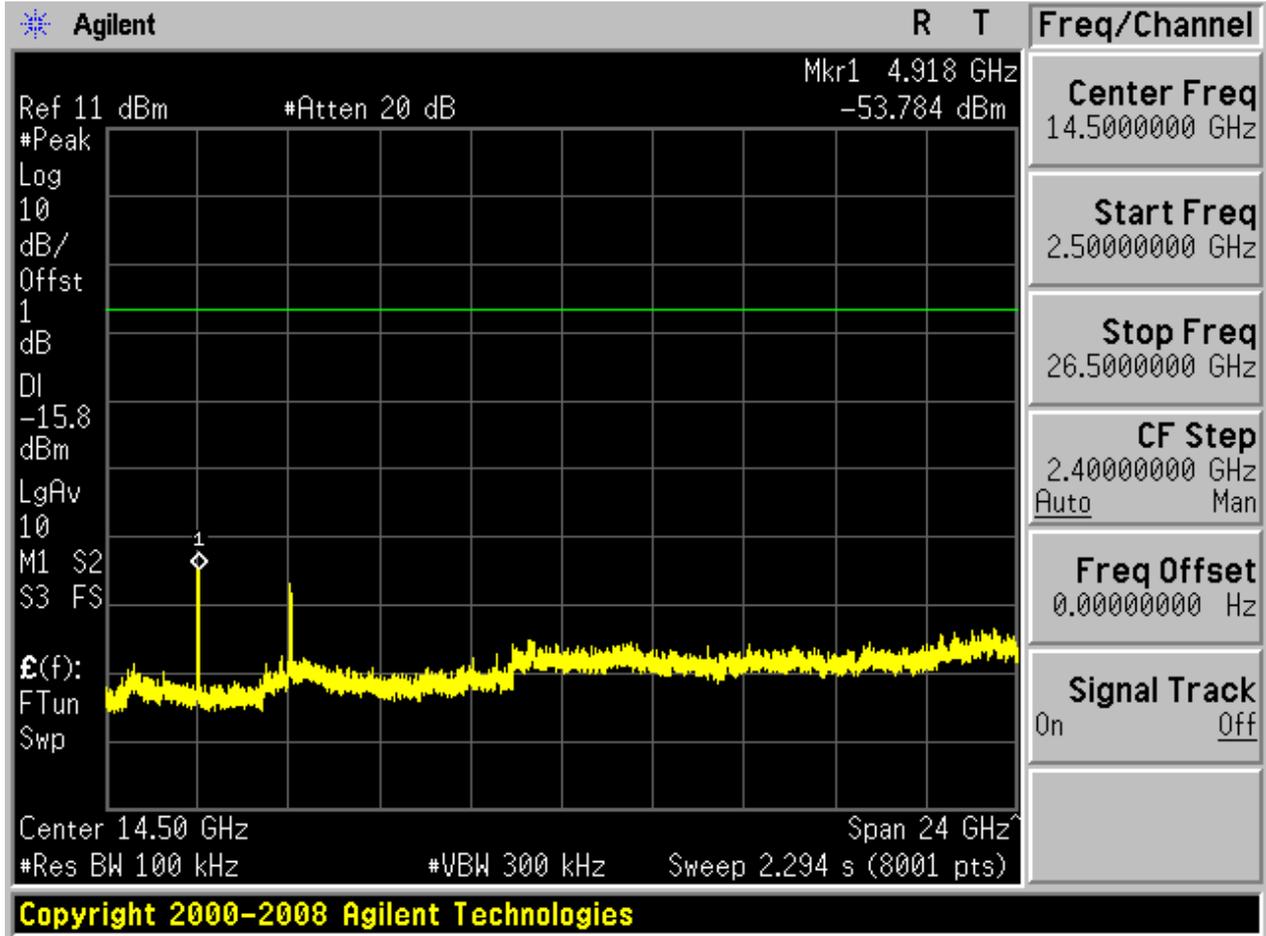














# Appendix F

## **Radiated Spurious Emission & Spurious in Restricted Band (according to FCC Part 15.247(d) & 15.205 & 15.209)**



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

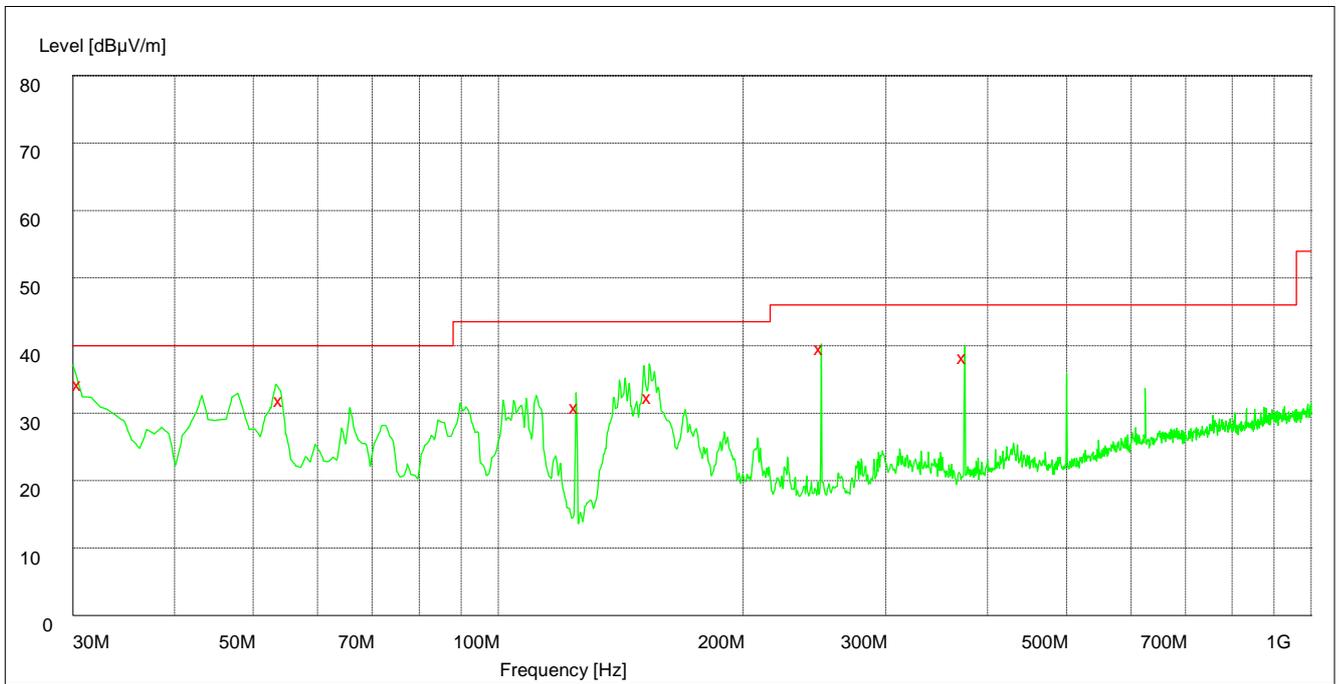
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.

The simultaneous transmission has been considered

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

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

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

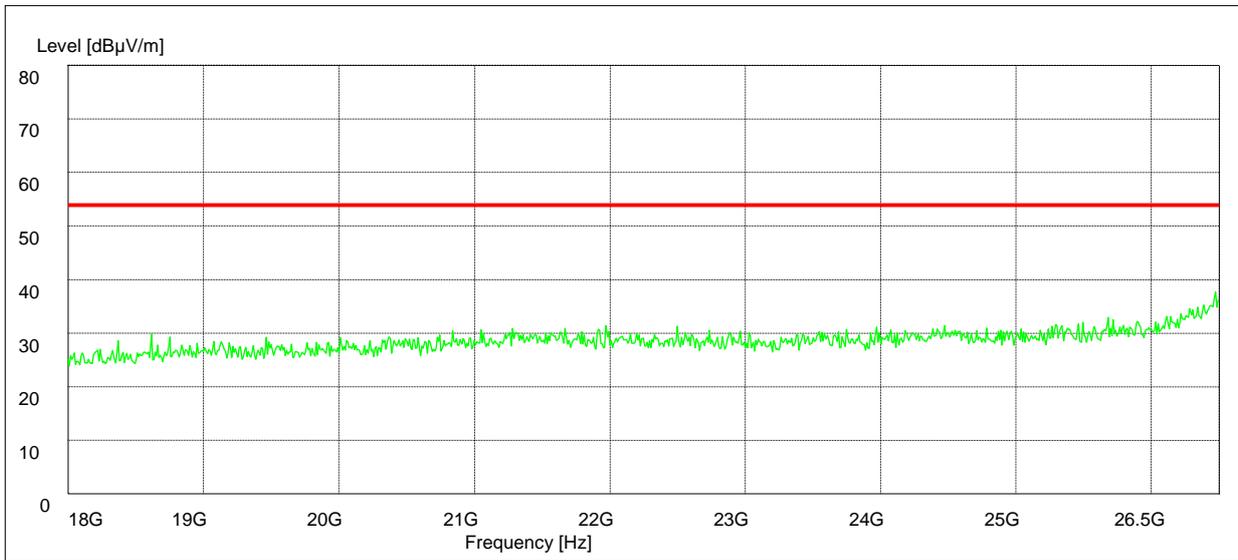


MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
30.600000	35.70	14.5	40.0	4.3	100.0	82.00	VERTICAL
54.180000	33.20	14.7	40.0	6.8	104.0	303.00	VERTICAL
124.980000	32.20	11.0	43.5	11.3	100.0	54.00	VERTICAL
153.660000	33.70	10.0	43.5	9.8	100.0	0.00	VERTICAL
250.020000	41.00	14.0	46.0	5.0	122.0	359.00	HORIZONTAL
375.000000	39.70	16.9	46.0	6.3	108.0	151.00	VERTICAL



**Part 2: Testing Range of “18 GHz to 26.5 GHz”**



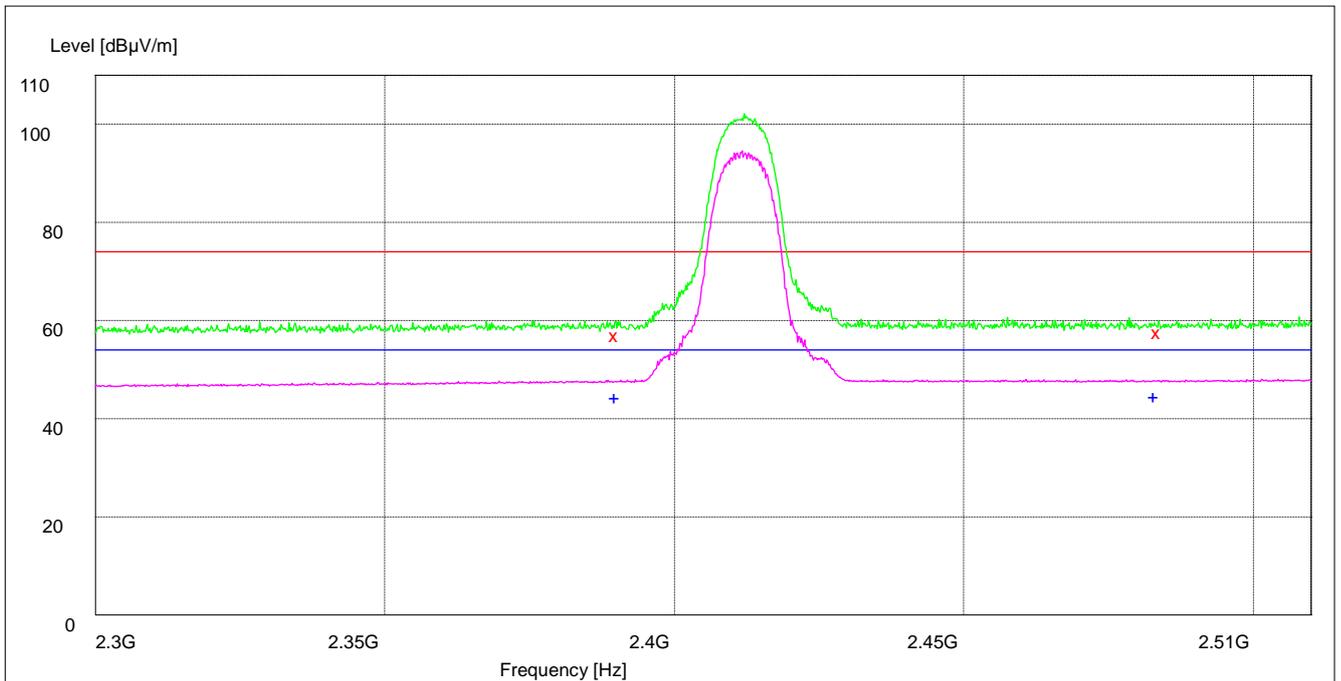
Note: No peak found in pre- test.

**Part 3: Testing Range of “2.3GHz to 2.51GHz”**

- 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 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).
- Note 3: The peak spike exceeds the limit line is EUT’s operating frequency.

**Test Mode: 11B/ Antenna 1**

**Channel 01**



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

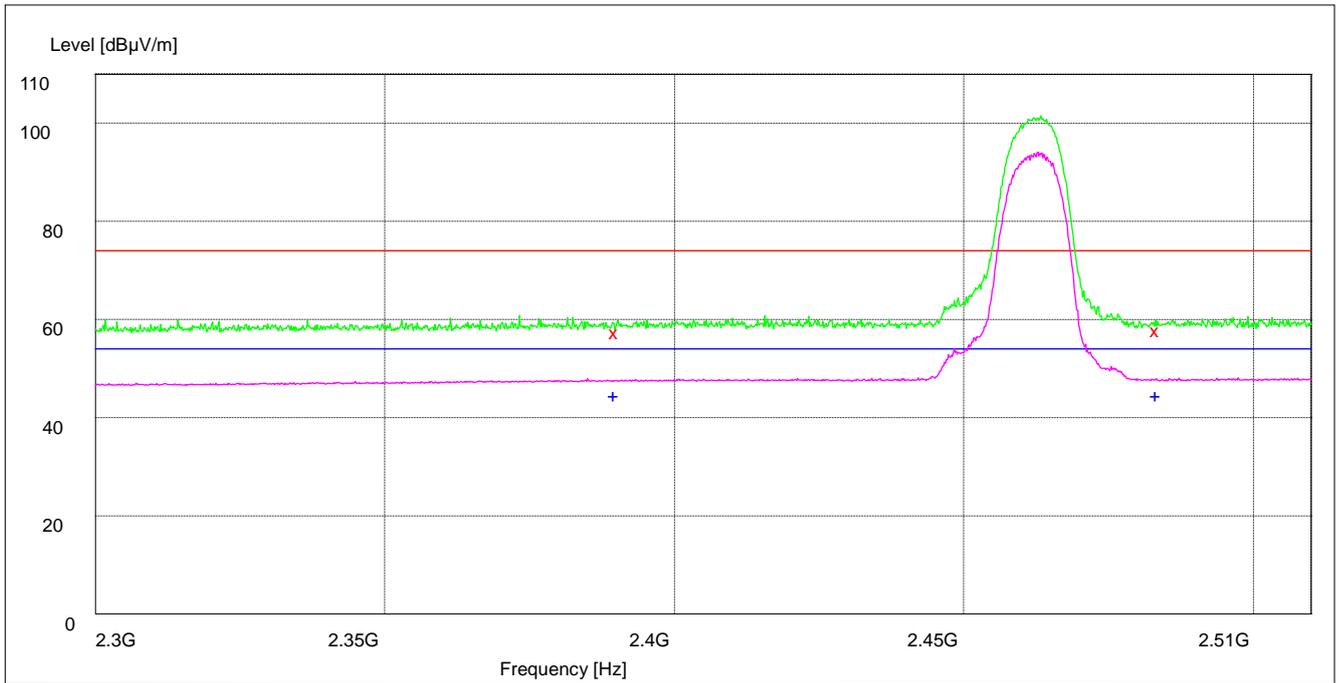
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	58.90	34.8	74.0	15.1	150.0	42.00	VERTICAL
2483.500000	59.50	35.1	74.0	14.5	101.0	253.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	34.8	54.0	7.6	149.0	275.00	HORIZONTAL
2483.500000	46.50	35.1	54.0	7.5	100.0	263.00	VERTICAL

## Channel 11



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

### MEASUREMENT RESULT: PK Detector

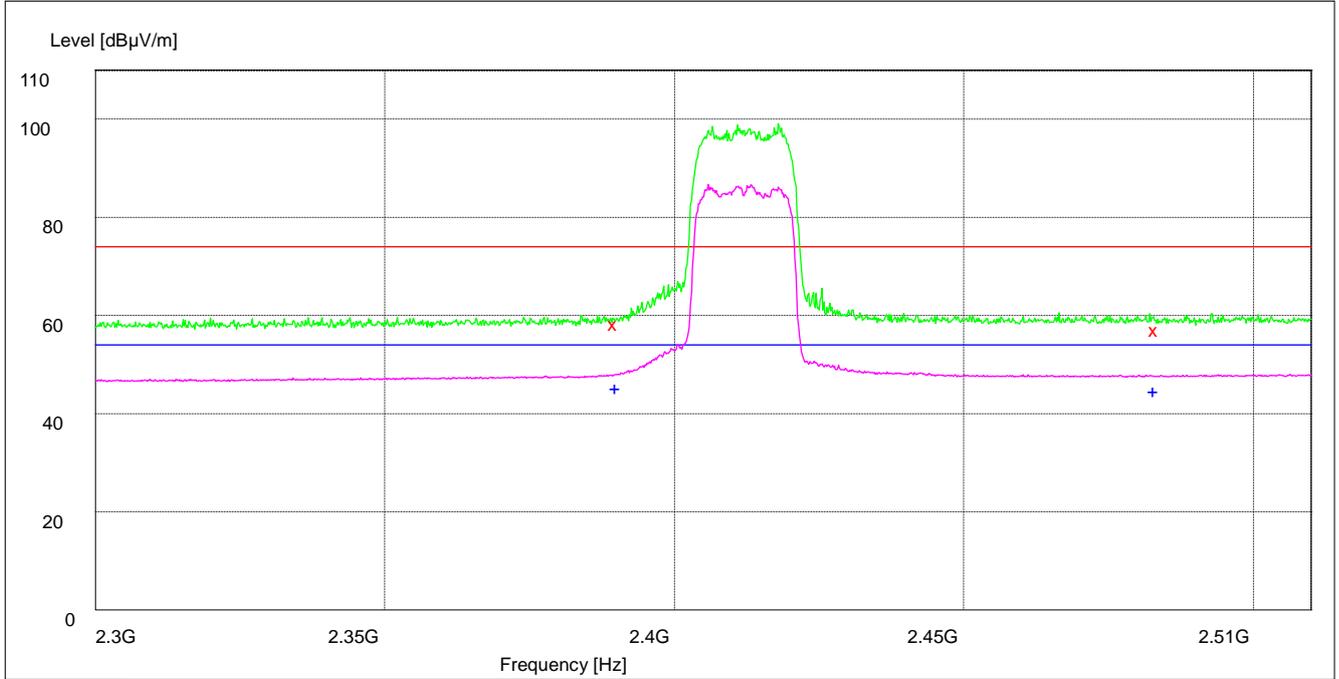
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.20	34.8	74.0	14.8	150.0	359.00	VERTICAL
2483.500000	59.60	35.1	74.0	14.4	150.0	31.00	VERTICAL

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	34.8	54.0	7.6	104.0	105.00	VERTICAL
2483.500000	46.50	35.1	54.0	7.5	104.0	359.00	HORIZONTAL

## Test Mode: 11G/ Antenna 1

### Channel 01



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

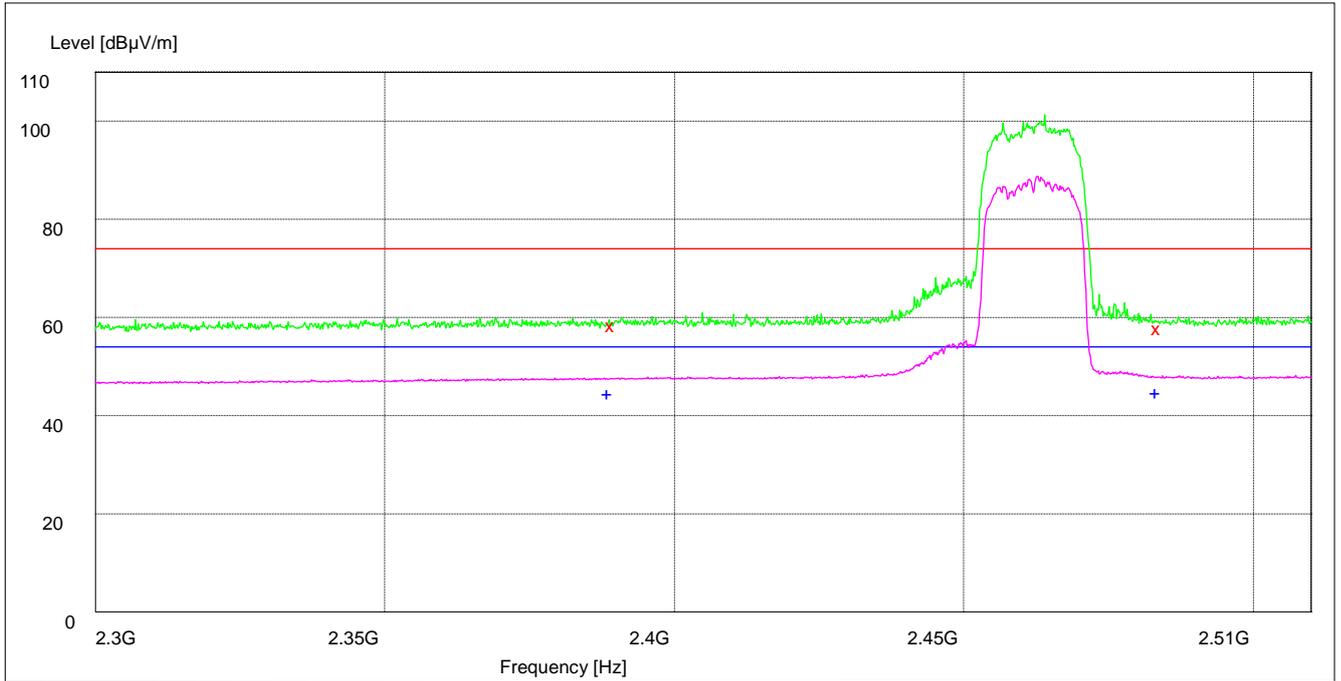
#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	60.20	34.8	74.0	13.8	100.0	242.00	HORIZONTAL
2483.500000	59.00	35.1	74.0	15.0	115.0	154.00	VERTICAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.30	34.8	54.0	6.7	111.0	168.00	VERTICAL
2483.500000	46.50	35.1	54.0	7.5	107.0	102.00	VERTICAL

## Channel 11



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

### MEASUREMENT RESULT: PK Detector

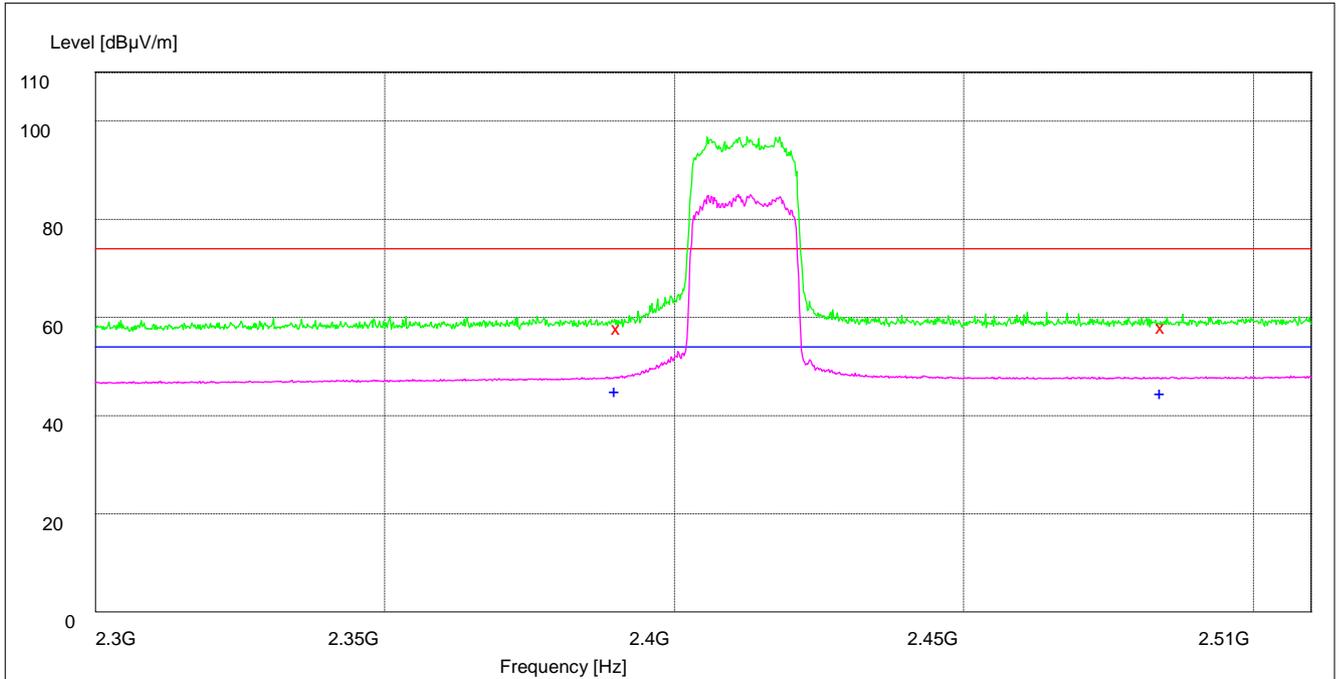
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	60.30	34.8	74.0	13.7	107.0	315.00	VERTICAL
2483.500000	59.70	35.1	74.0	14.3	100.0	96.00	VERTICAL

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	34.8	54.0	7.6	150.0	213.00	VERTICAL
2483.500000	46.70	35.1	54.0	7.3	100.0	125.00	HORIZONTAL

## Test Mode: 11N-20M/SISO-Antenna 1

### Channel 01



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

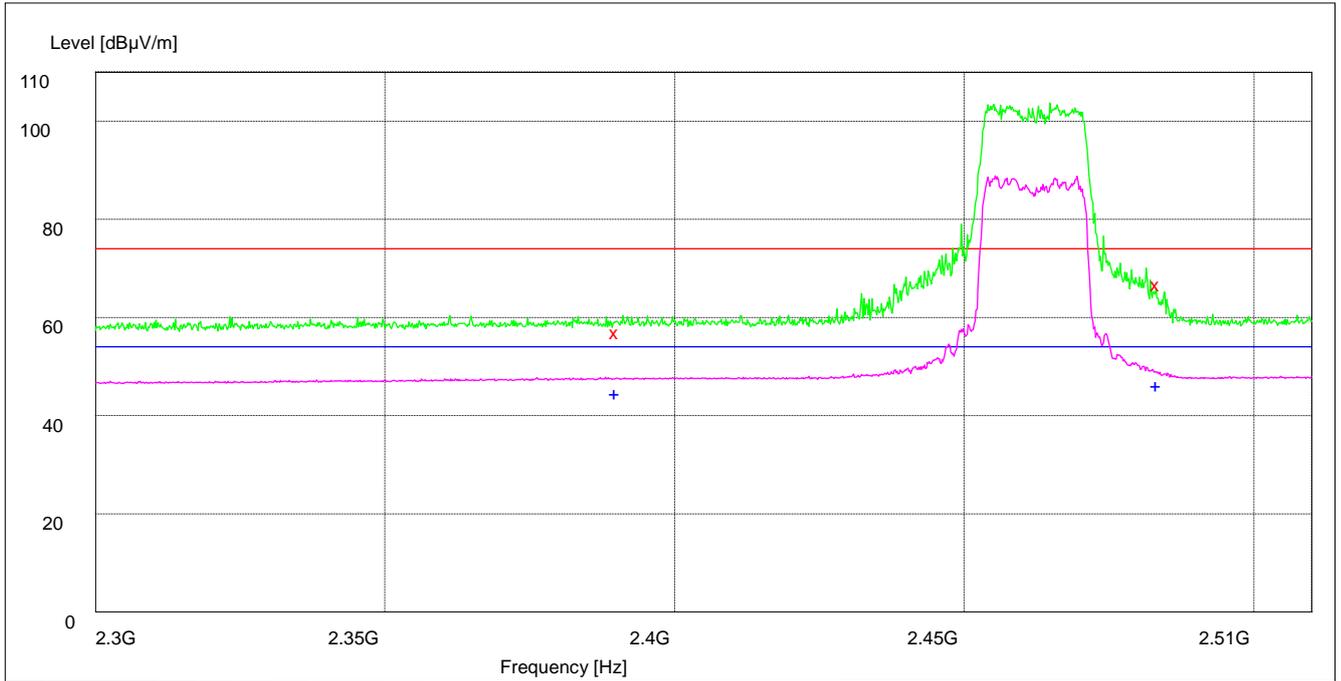
#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.80	34.8	74.0	14.2	134.0	234.00	HORIZONTAL
2483.500000	59.90	35.1	74.0	14.1	149.0	173.00	HORIZONTAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.90	34.8	54.0	7.1	120.0	345.00	VERTICAL
2483.500000	46.50	35.1	54.0	7.5	100.0	0.00	VERTICAL

## Channel 11



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

### MEASUREMENT RESULT: PK Detector

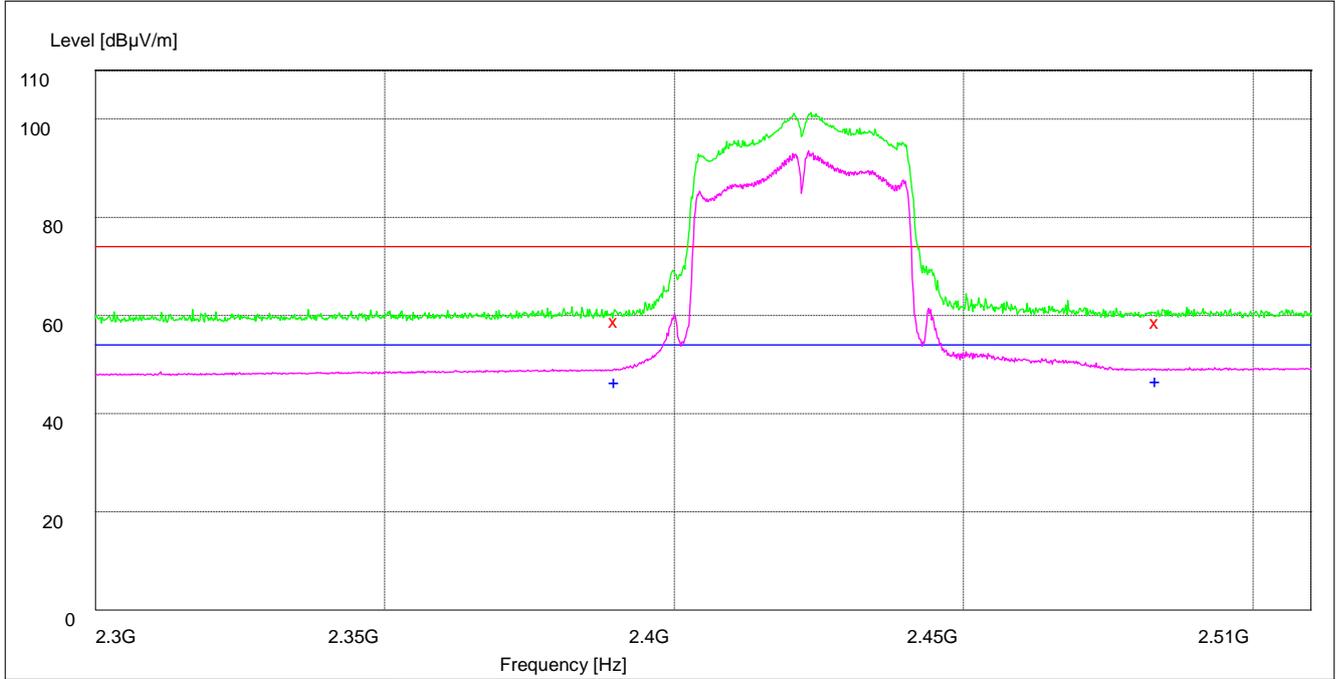
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	58.80	34.8	74.0	15.2	112.0	54.00	VERTICAL
2483.500000	68.80	35.1	74.0	5.2	100.0	149.00	HORIZONTAL

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.50	34.8	54.0	7.5	100.0	142.00	HORIZONTAL
2483.500000	48.00	35.1	54.0	6.0	101.0	164.00	HORIZONTAL

## Test Mode: 11N-40M/SISO-Antenna 1

### Channel 03



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

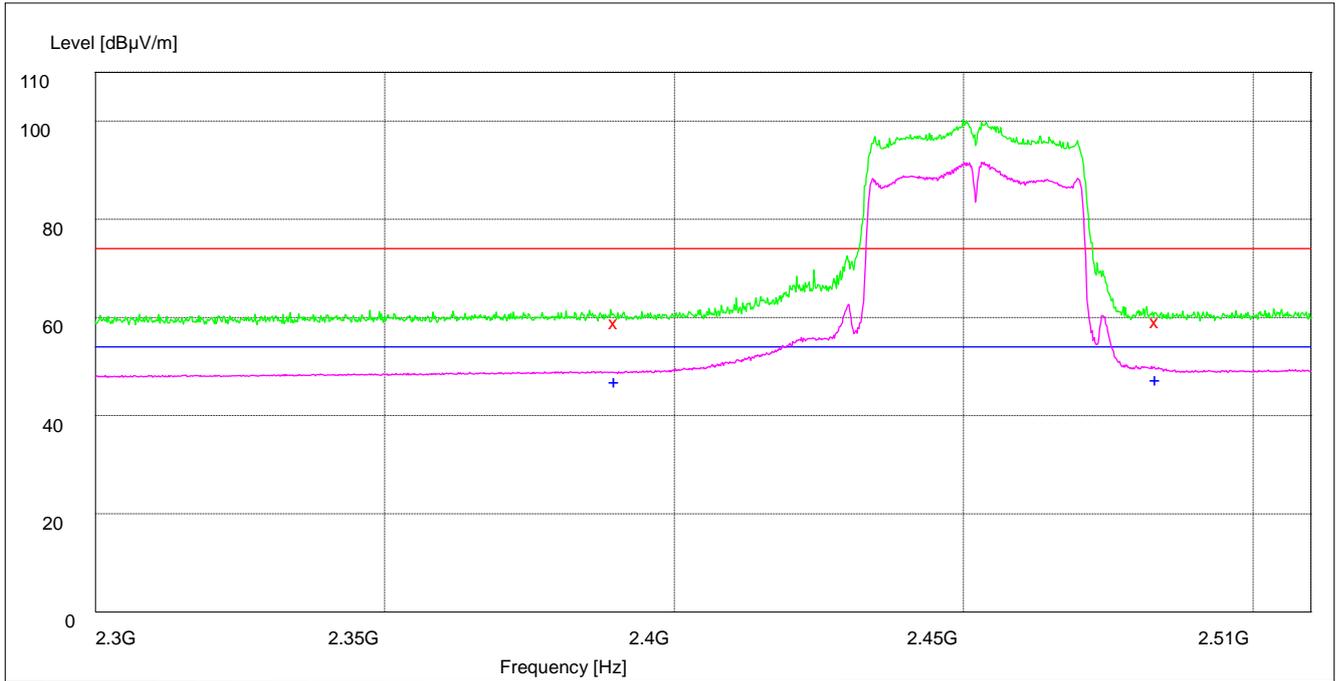
#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	60.80	34.8	74.0	13.7	138.0	354.00	VERTICAL
2483.500000	60.60	35.1	74.0	13.4	100.0	41.00	HORIZONTAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.40	34.8	54.0	5.6	109.0	36.00	VERTICAL
2483.500000	48.50	35.1	54.0	5.5	100.0	218.00	HORIZONTAL

## Channel 09



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

### MEASUREMENT RESULT: PK Detector

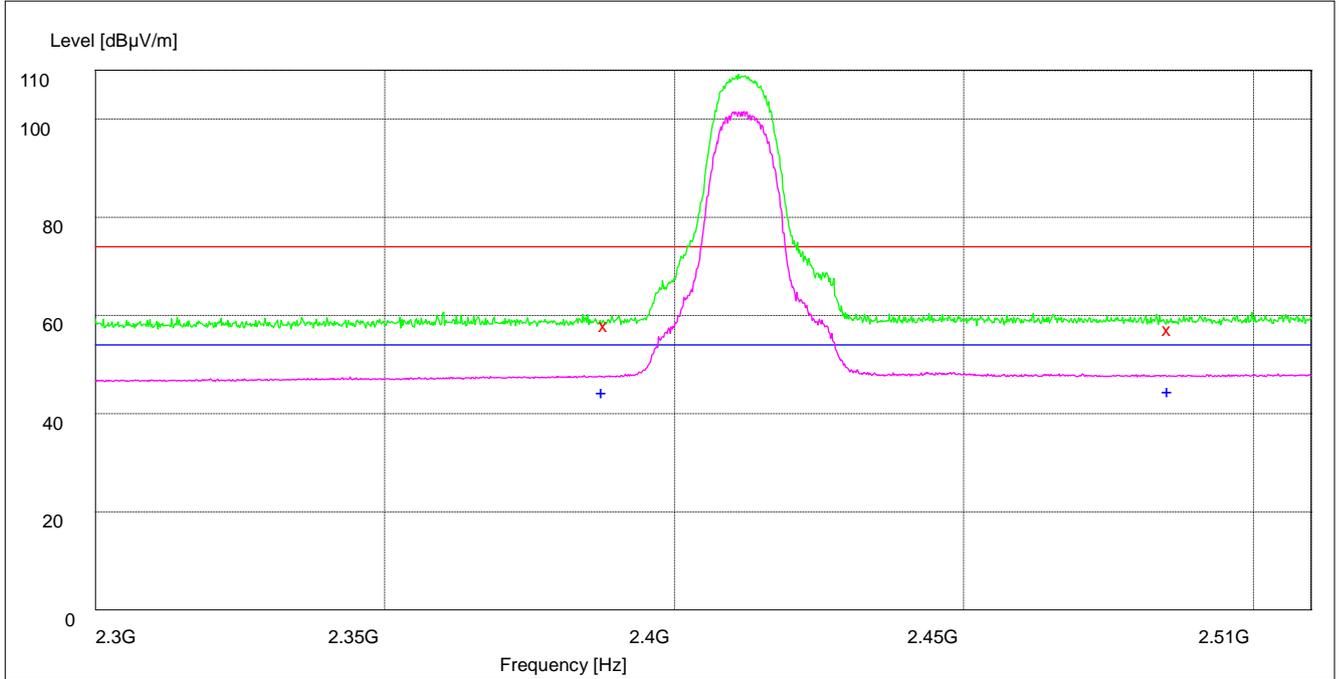
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	60.80	34.8	74.0	13.2	100.0	133.00	VERTICAL
2483.500000	61.00	35.1	74.0	13.0	100.0	220.00	HORIZONTAL

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.90	34.8	54.0	5.1	150.0	173.00	VERTICAL
2483.500000	49.30	35.1	54.0	4.7	100.0	221.00	HORIZONTAL

## Test Mode: 11B/ Antenna 2

### Channel 01



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

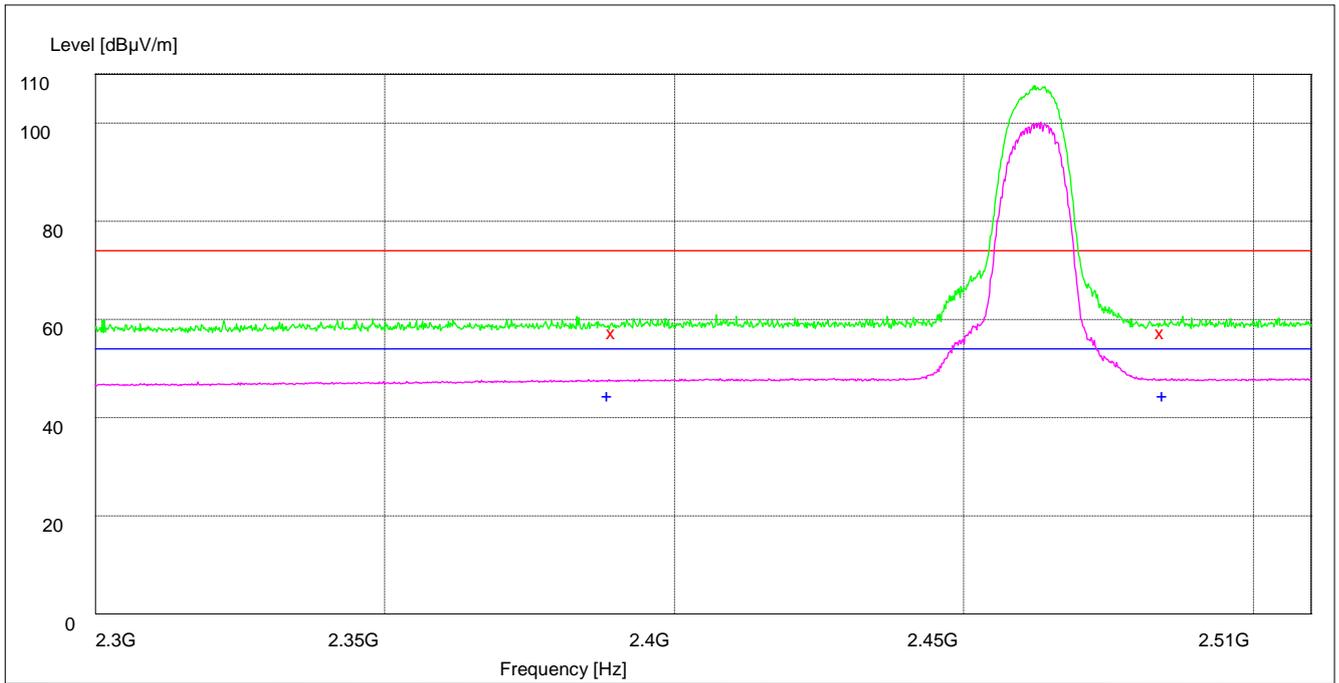
#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.90	34.8	74.0	14.1	124.0	221.00	HORIZONTAL
2483.500000	59.10	35.1	74.0	14.9	149.0	4.00	VERTICAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	34.8	54.0	7.6	105.0	236.00	HORIZONTAL
2483.500000	46.50	35.1	54.0	7.5	137.0	68.00	HORIZONTAL

## Channel 11



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

### MEASUREMENT RESULT: PK Detector

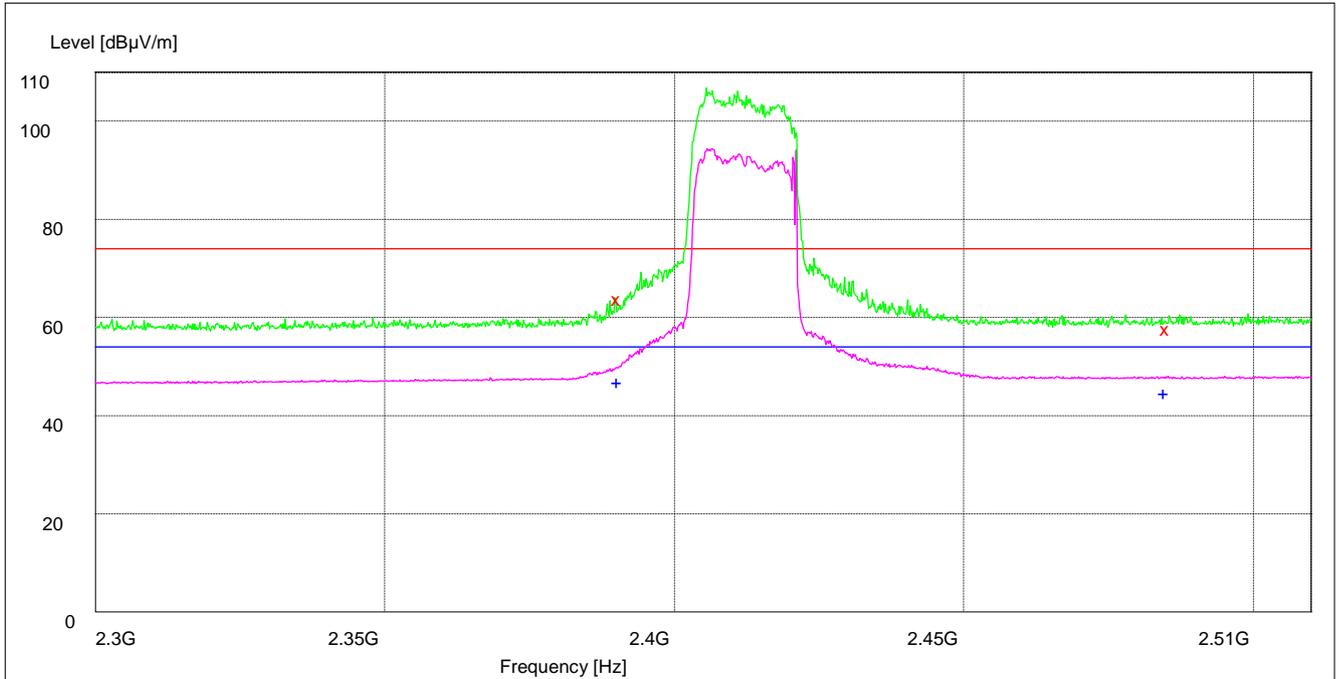
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.20	34.8	74.0	14.8	147.0	83.00	VERTICAL
2483.500000	59.30	35.1	74.0	14.7	150.0	112.00	HORIZONTAL

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	34.8	54.0	7.6	126.0	273.00	HORIZONTAL
2483.500000	46.50	35.1	54.0	7.5	109.0	330.00	HORIZONTAL

## Test Mode: 11G/ Antenna 2

### Channel 01



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

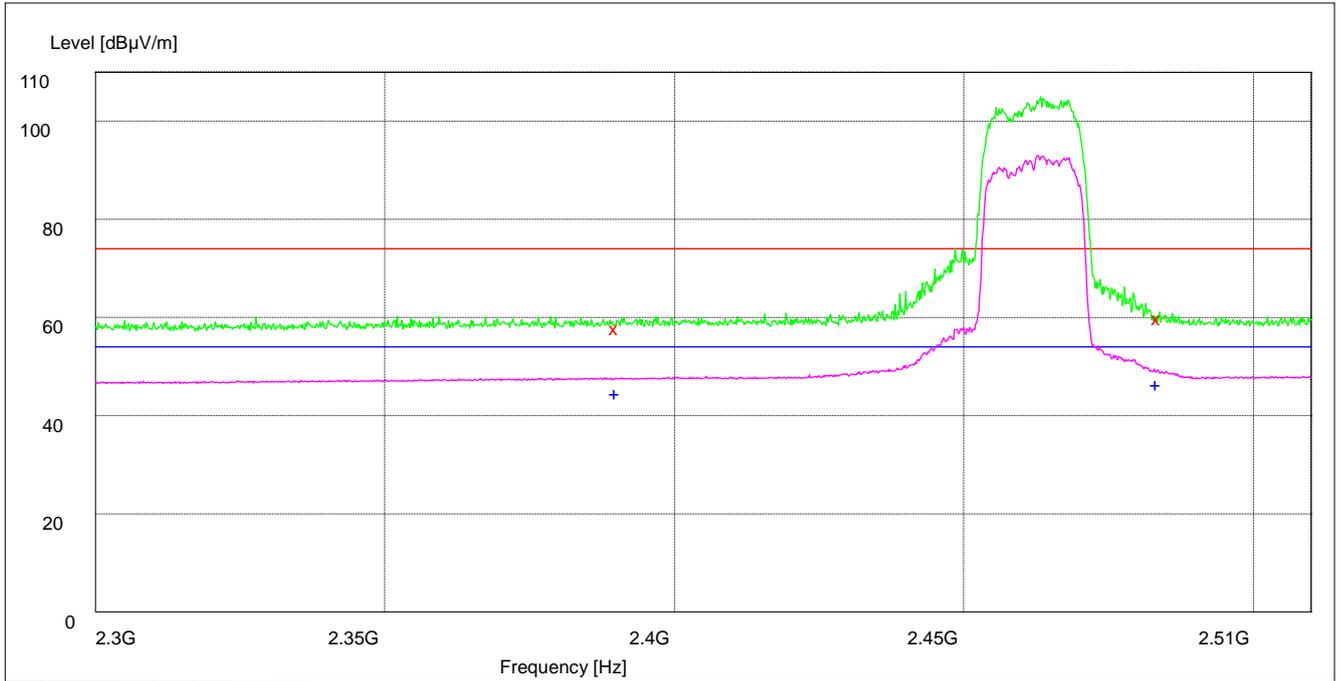
#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	65.60	34.8	74.0	8.4	103.0	158.00	HORIZONTAL
2483.500000	59.60	35.1	74.0	14.4	100.0	318.00	VERTICAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.70	34.8	54.0	5.3	103.0	154.00	HORIZONTAL
2483.500000	46.50	35.1	54.0	7.5	150.0	332.00	HORIZONTAL

## Channel 11



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

### MEASUREMENT RESULT: PK Detector

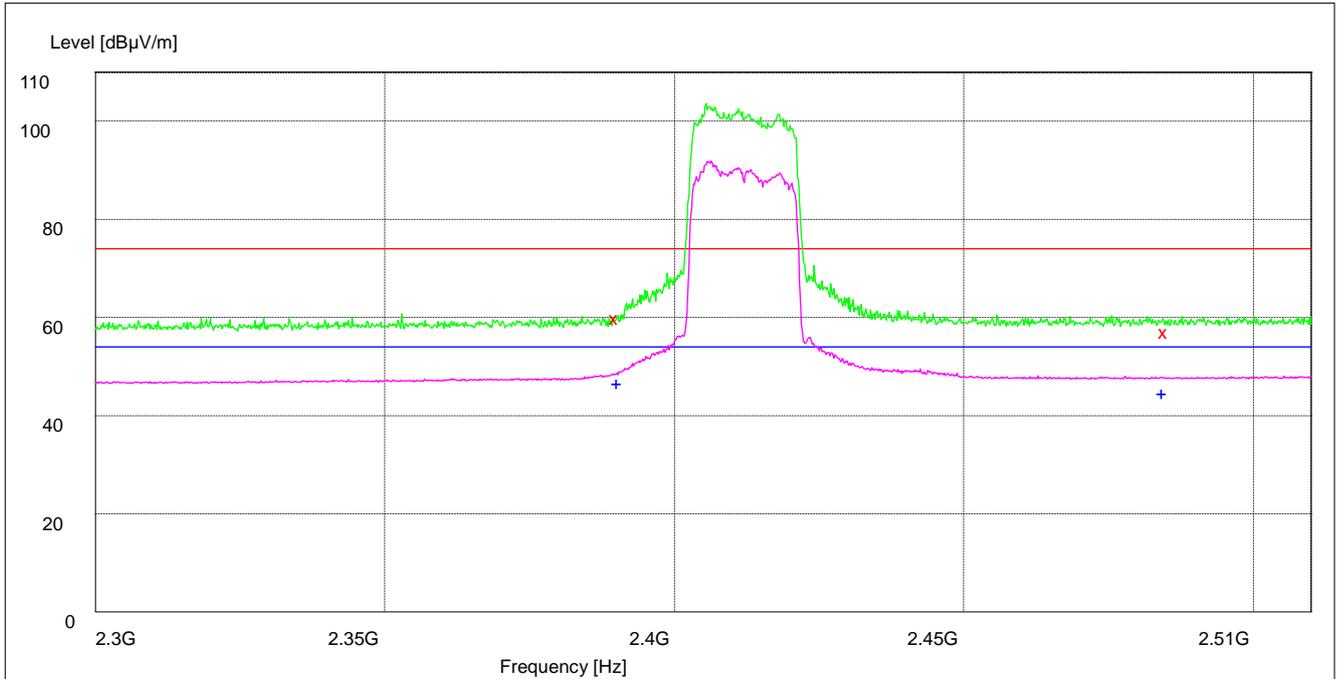
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.70	34.8	74.0	14.3	148.0	187.00	HORIZONTAL
2483.500000	61.70	35.1	74.0	12.3	100.0	145.00	HORIZONTAL

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	34.8	54.0	7.6	132.0	237.00	HORIZONTAL
2483.500000	48.30	35.1	54.0	5.7	100.0	156.00	HORIZONTAL

## Test Mode: 11N-20M/SISO-Antenna 2

### Channel 01



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

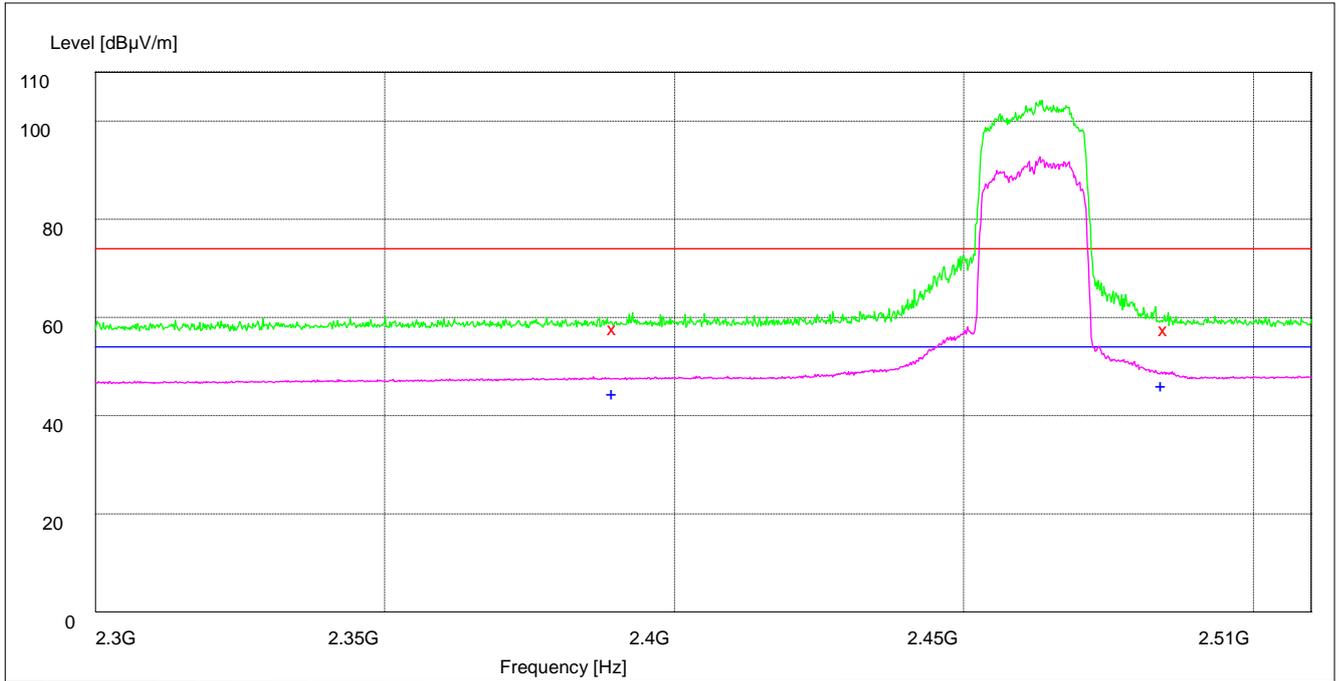
#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	61.90	34.8	74.0	12.1	100.0	148.00	HORIZONTAL
2483.500000	59.00	35.1	74.0	15.0	138.0	78.00	VERTICAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.60	34.8	54.0	5.4	100.0	155.00	HORIZONTAL
2483.500000	46.50	35.1	54.0	7.5	150.0	134.00	HORIZONTAL

## Channel 11



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

### MEASUREMENT RESULT: PK Detector

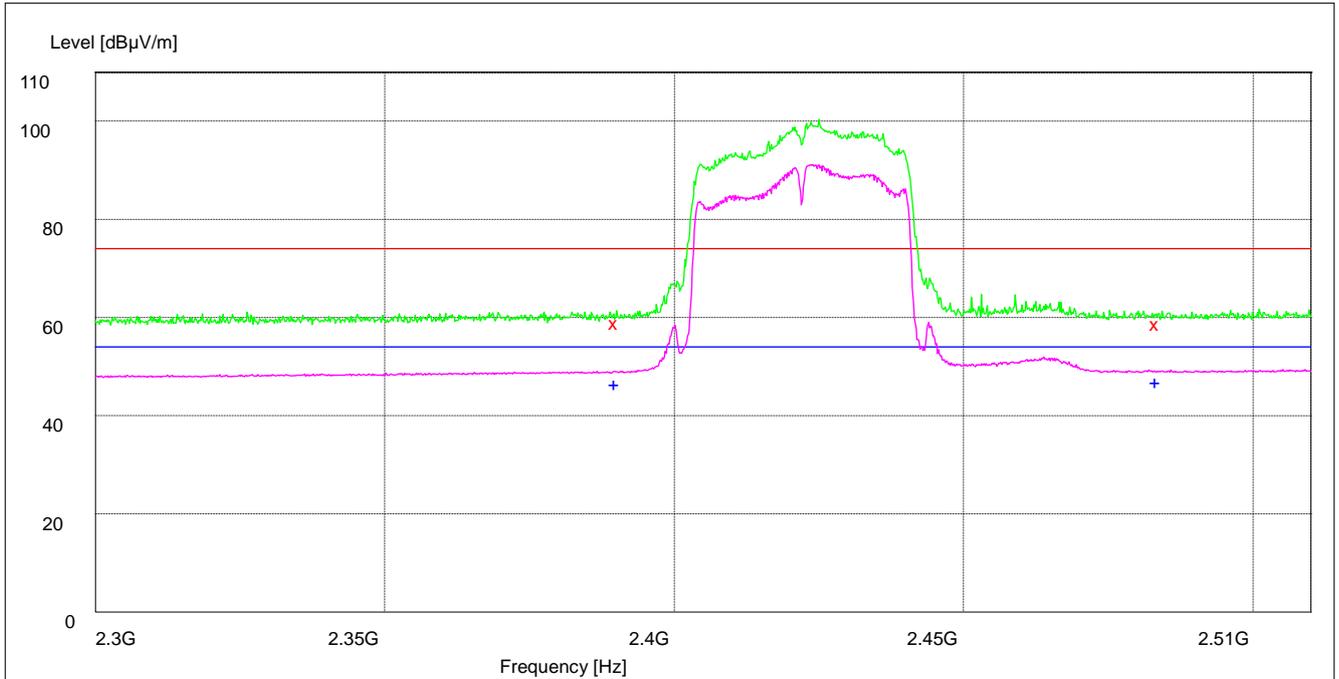
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.70	34.8	74.0	14.3	142.0	139.00	HORIZONTAL
2483.500000	59.40	35.1	74.0	14.6	115.0	270.00	VERTICAL

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	34.8	54.0	7.6	100.0	76.00	HORIZONTAL
2483.500000	48.10	35.1	54.0	5.9	100.0	151.00	HORIZONTAL

## Test Mode: 11N-40M/SISO-Antenna 2

### Channel 03



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

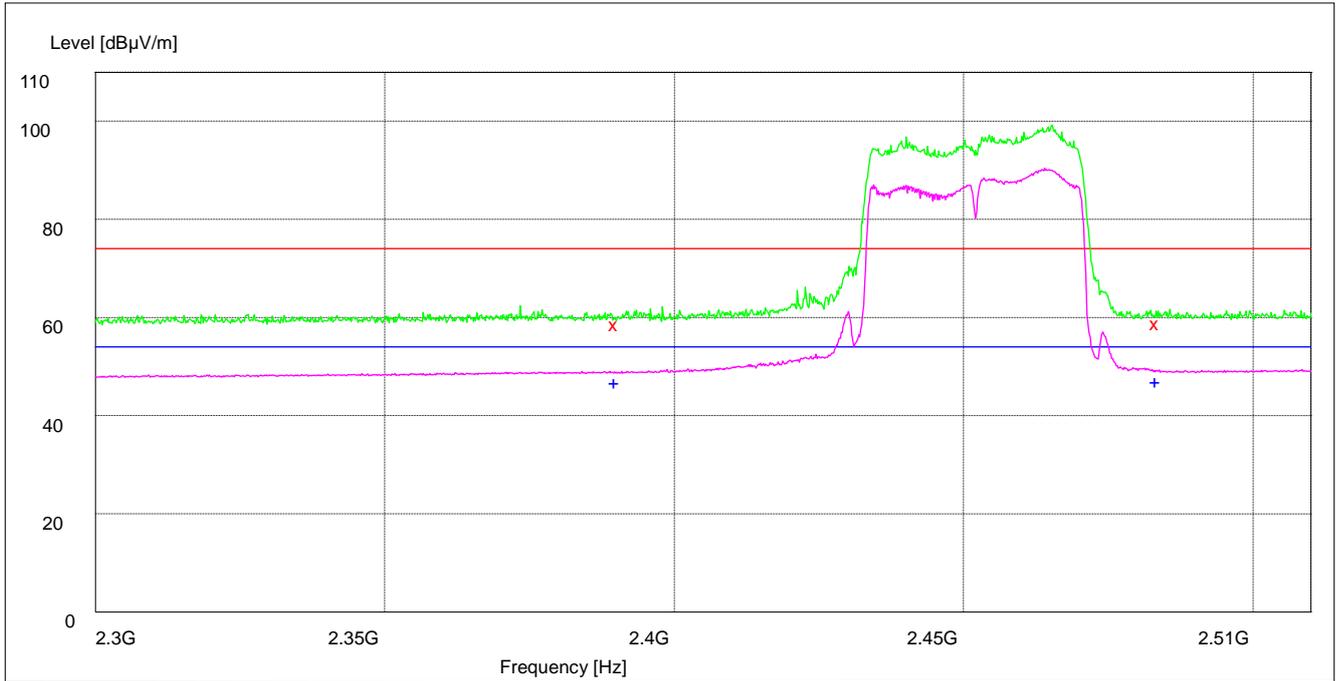
#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	60.70	34.8	74.0	13.3	147.0	246.00	VERTICAL
2483.500000	60.60	35.1	74.0	13.4	100.0	104.00	HORIZONTAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.30	34.8	54.0	5.7	100.0	138.00	HORIZONTAL
2483.500000	48.70	35.1	54.0	5.3	100.0	183.00	VERTICAL

## Channel 09



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

### MEASUREMENT RESULT: PK Detector

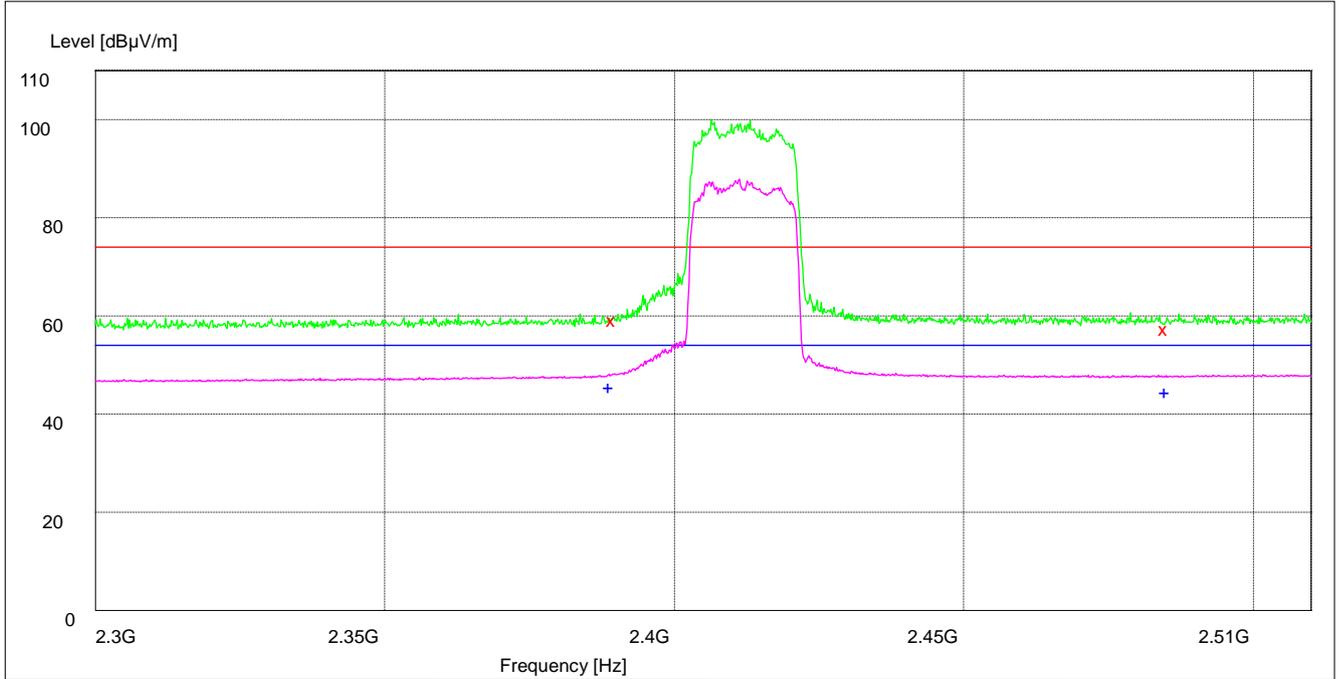
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	60.40	34.8	74.0	13.6	139.0	186.00	HORIZONTAL
2483.500000	60.60	35.1	74.0	13.4	122.0	344.00	VERTICAL

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.80	34.8	54.0	5.2	101.0	262.00	VERTICAL
2483.500000	48.90	35.1	54.0	5.1	150.0	120.00	VERTICAL

## Test Mode: 11N-20M/MIMO

### Channel 01



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

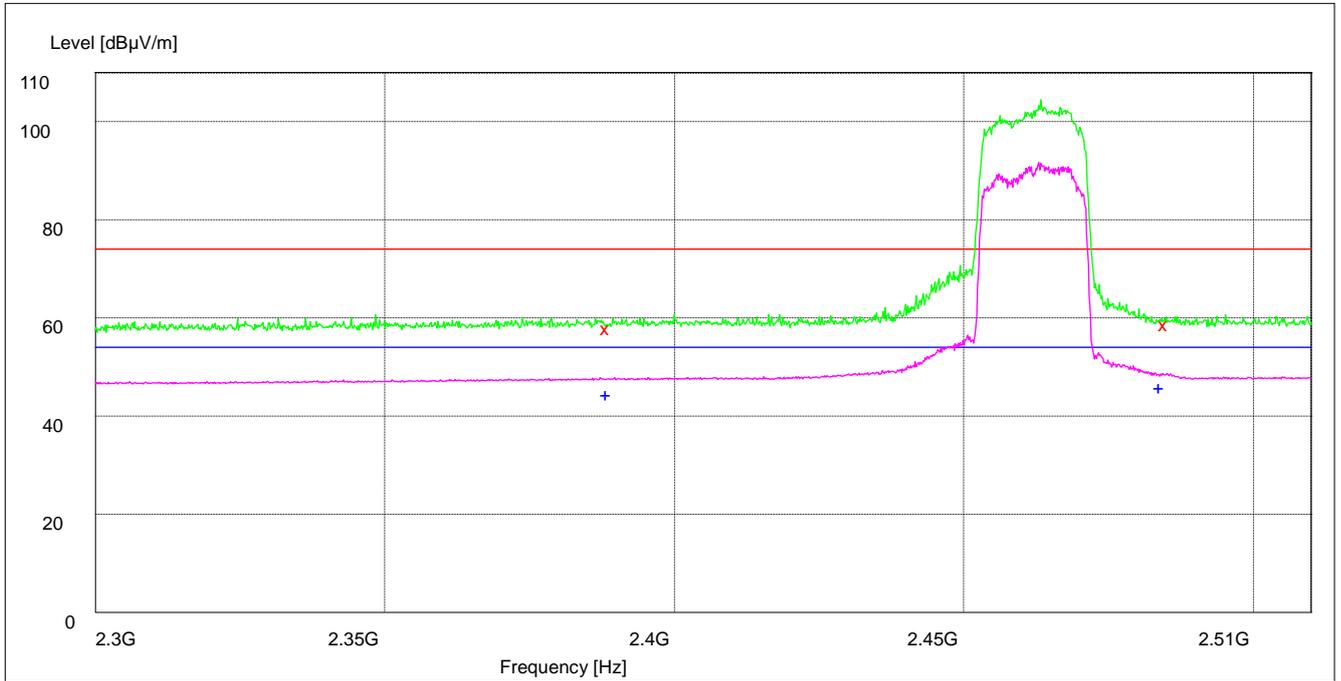
#### MEASUREMENT RESULT: PK Detector

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	101.0	212.00	HORIZONTAL
2483.500000	59.30	35.1	74.0	14.7	118.0	347.00	HORIZONTAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.40	34.8	54.0	6.6	100.0	209.00	HORIZONTAL
2483.500000	46.50	35.1	54.0	7.5	100.0	257.00	VERTICAL

## Channel 11



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

MEASUREMENT RESULT: PK Detector

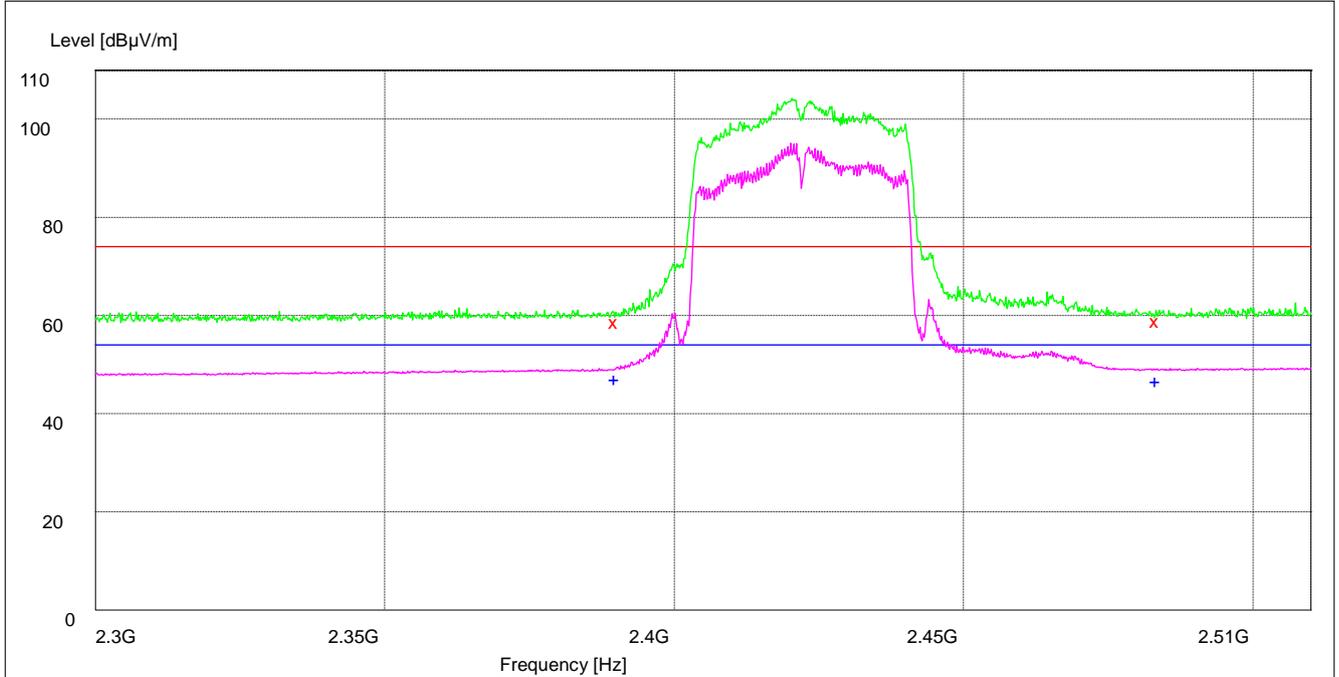
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.70	34.8	74.0	14.3	150.0	49.00	HORIZONTAL
2483.500000	60.50	35.1	74.0	13.5	100.0	181.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	34.8	54.0	7.6	138.0	117.00	VERTICAL
2483.500000	47.70	35.1	54.0	6.3	100.0	157.00	HORIZONTAL

## Test Mode: 11N-40M/MIMO

### Channel 03



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

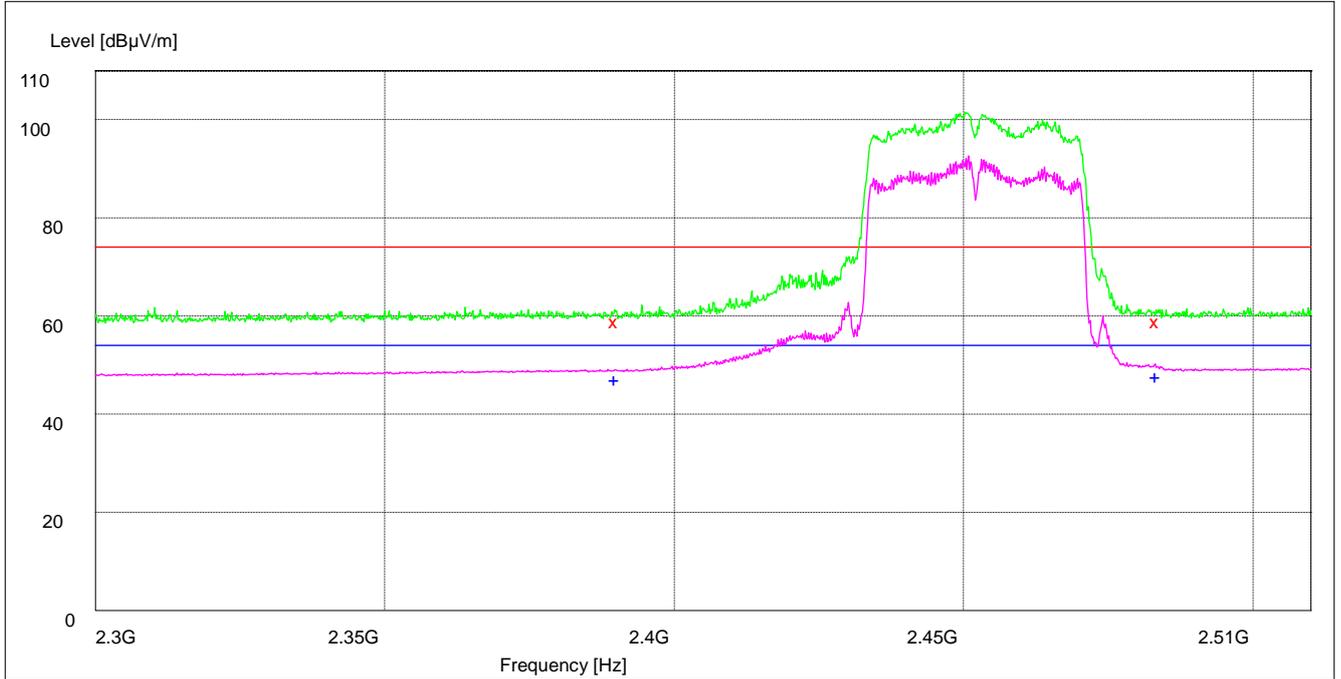
#### MEASUREMENT RESULT: PK Detector

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	100.0	42.00	VERTICAL
2483.500000	60.70	35.1	74.0	13.3	150.0	175.00	HORIZONTAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.90	34.8	54.0	5.1	103.0	136.00	VERTICAL
2483.500000	48.50	35.1	54.0	5.5	103.0	219.00	HORIZONTAL

## Channel 09



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

### MEASUREMENT RESULT: PK Detector

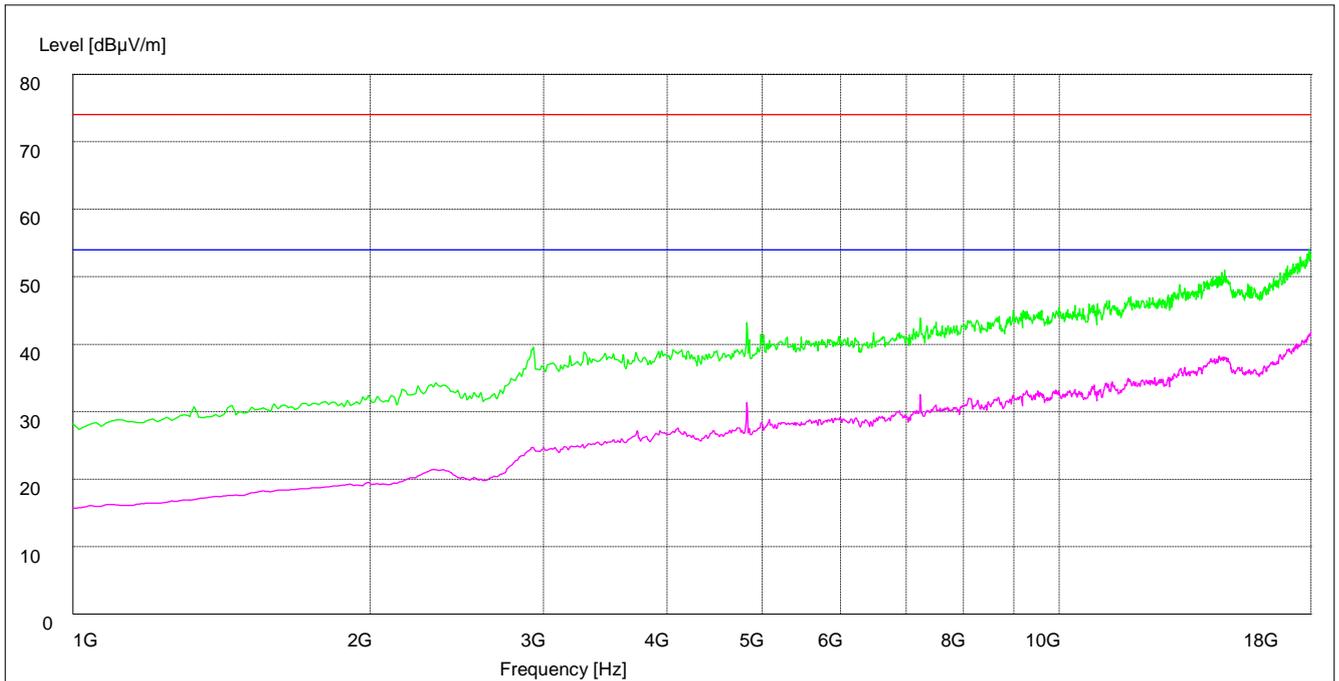
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	60.70	34.8	74.0	13.3	103.0	5.00	HORIZONTAL
2483.500000	60.80	35.1	74.0	13.2	103.0	260.00	VERTICAL

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.90	34.8	54.0	5.1	126.0	28.00	VERTICAL
2483.500000	49.50	35.1	54.0	4.5	100.0	221.00	HORIZONTAL

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

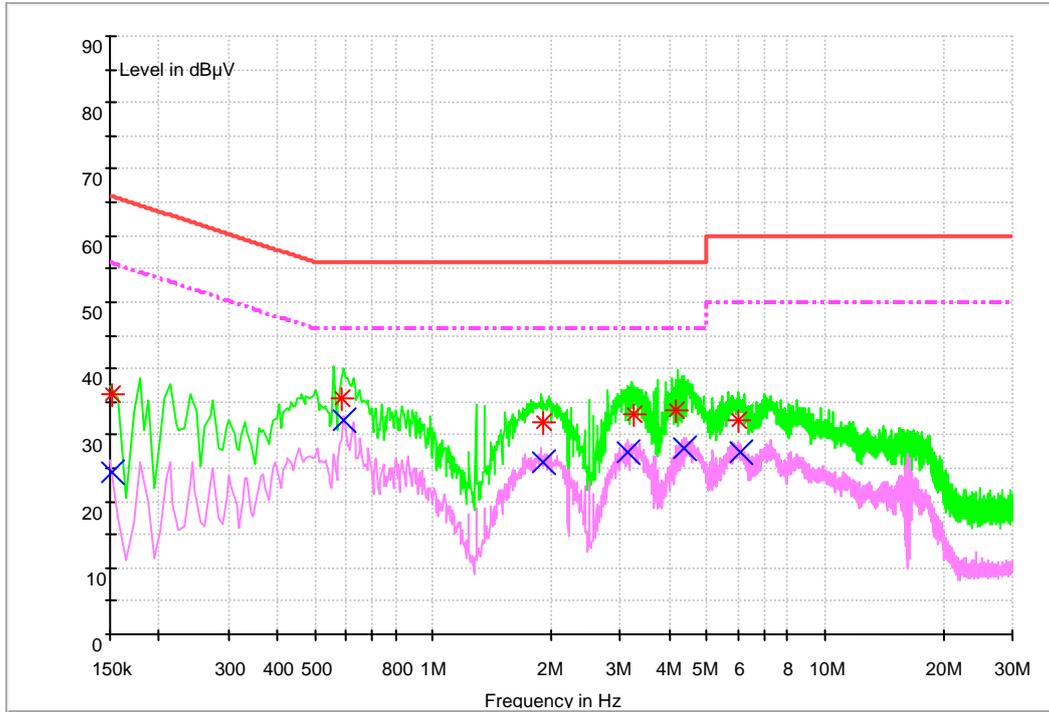
- Note 1: The test results and plot for testing range of “1 GHz to 18 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.
- Note 2: The testing range of “1 GHz to 18 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.
- Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).





# Appendix G: Conducted Emission at Power Port

# Channel 6



Note: RBW =9 kHz, VBW = 30 kHz

MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.150978	36.2	9.7	65.9	29.7	N	FLO
0.581633	35.4	9.7	56.0	20.6	L1	FLO
1.917697	31.8	9.7	56.0	24.2	L1	FLO
3.256744	33.1	9.7	56.0	22.9	L1	FLO
4.175437	33.8	9.8	56.0	22.2	L1	FLO
6.007612	32.2	9.9	60.0	27.8	L1	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.151227	24.5	9.7	55.9	31.4	L1	FLO
0.594270	32.3	9.7	46.0	13.7	L1	FLO
1.913344	25.9	9.7	46.0	20.1	L1	FLO
3.140152	27.3	9.7	46.0	18.7	L1	FLO
4.379236	27.9	9.8	46.0	18.1	L1	FLO
6.048461	27.3	9.9	50.0	22.7	L1	FLO

END