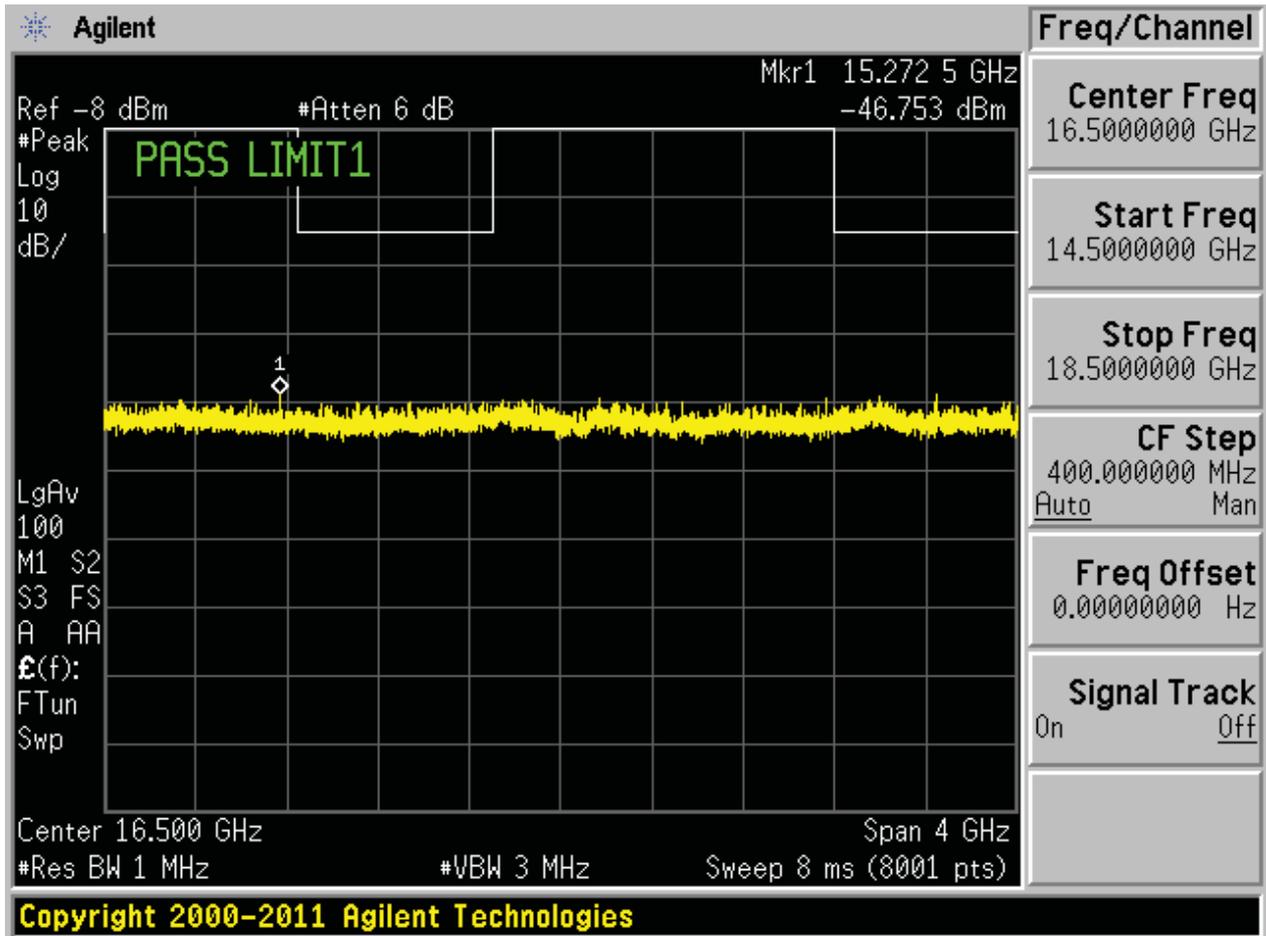
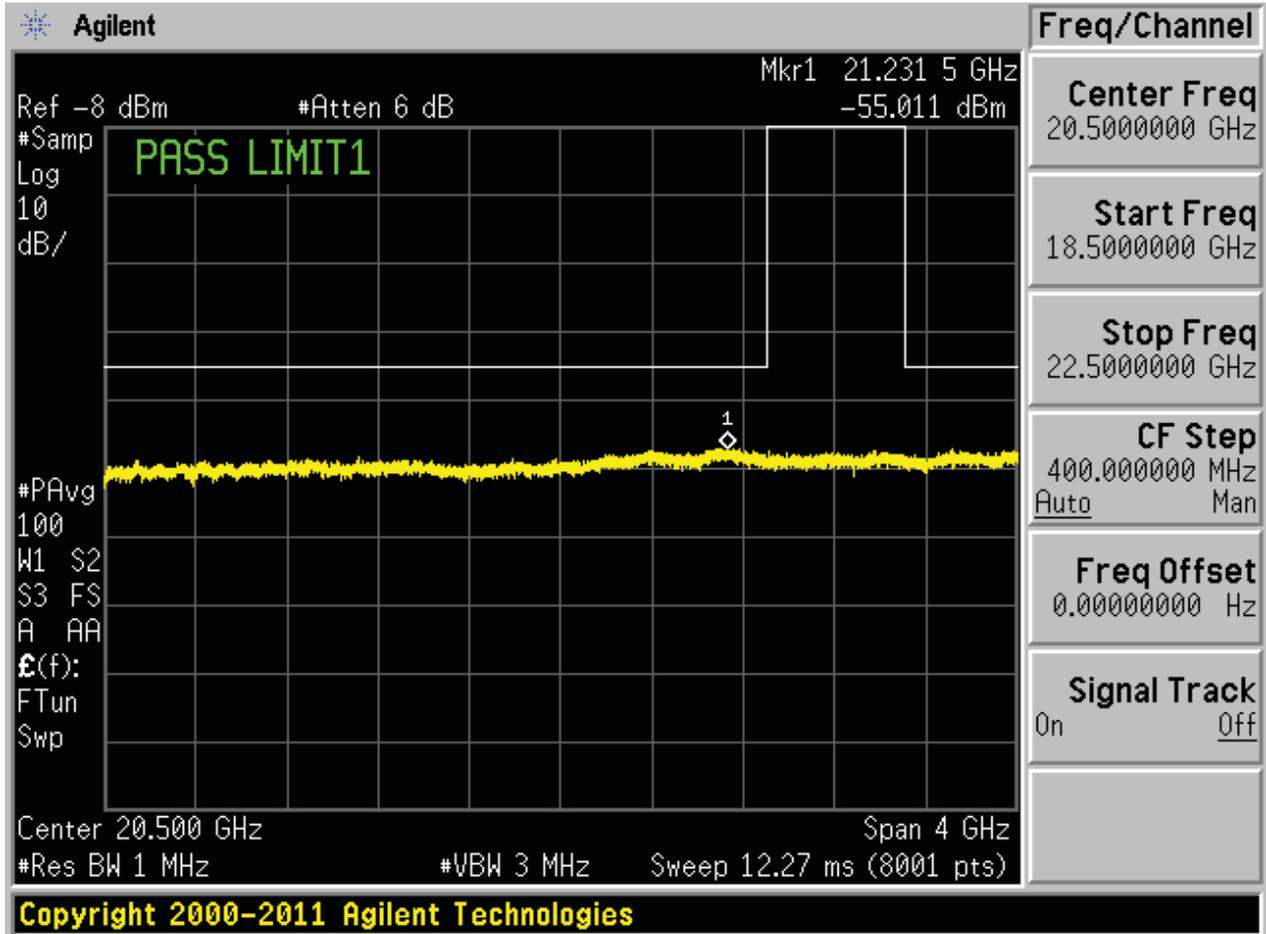
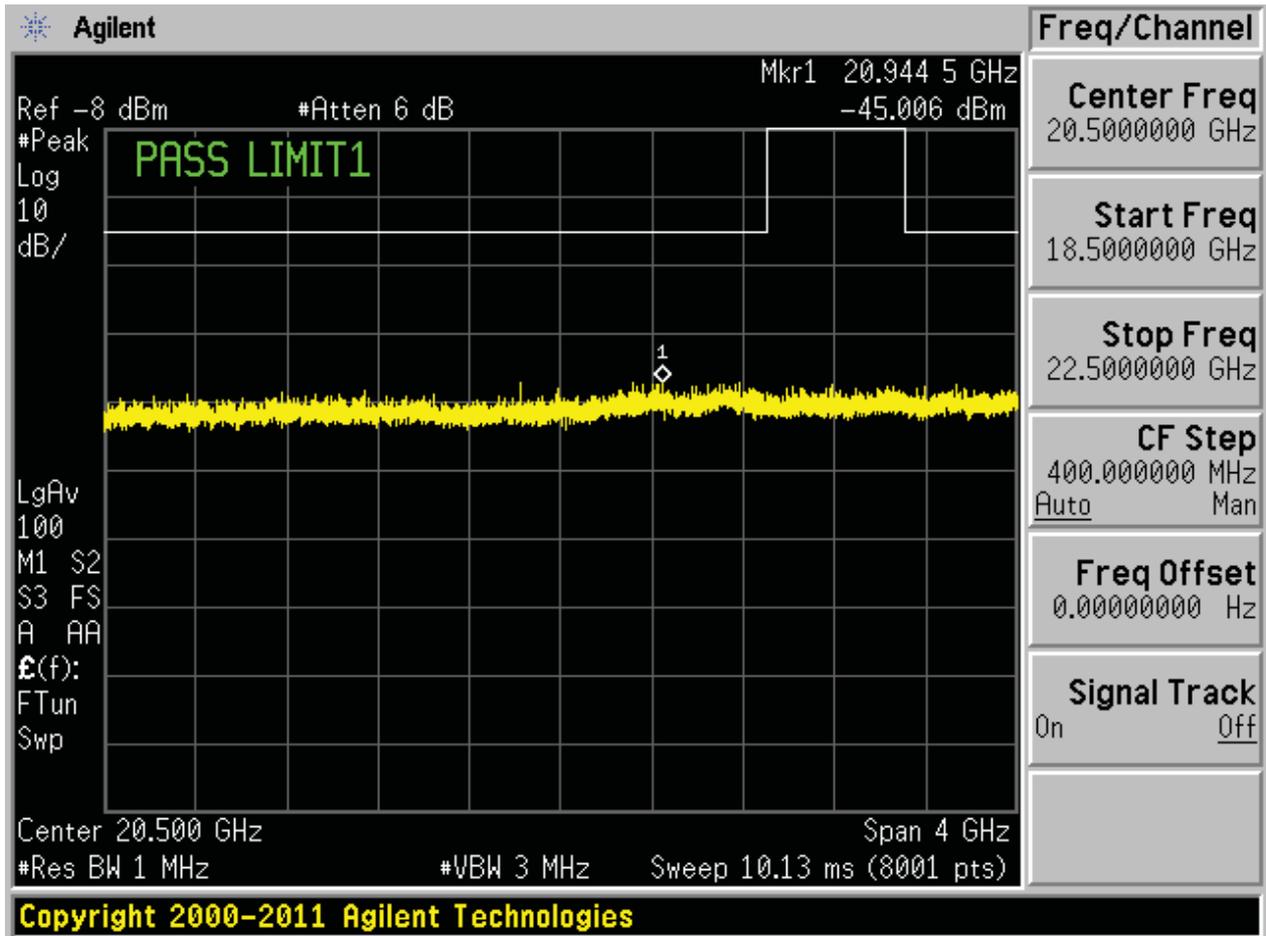
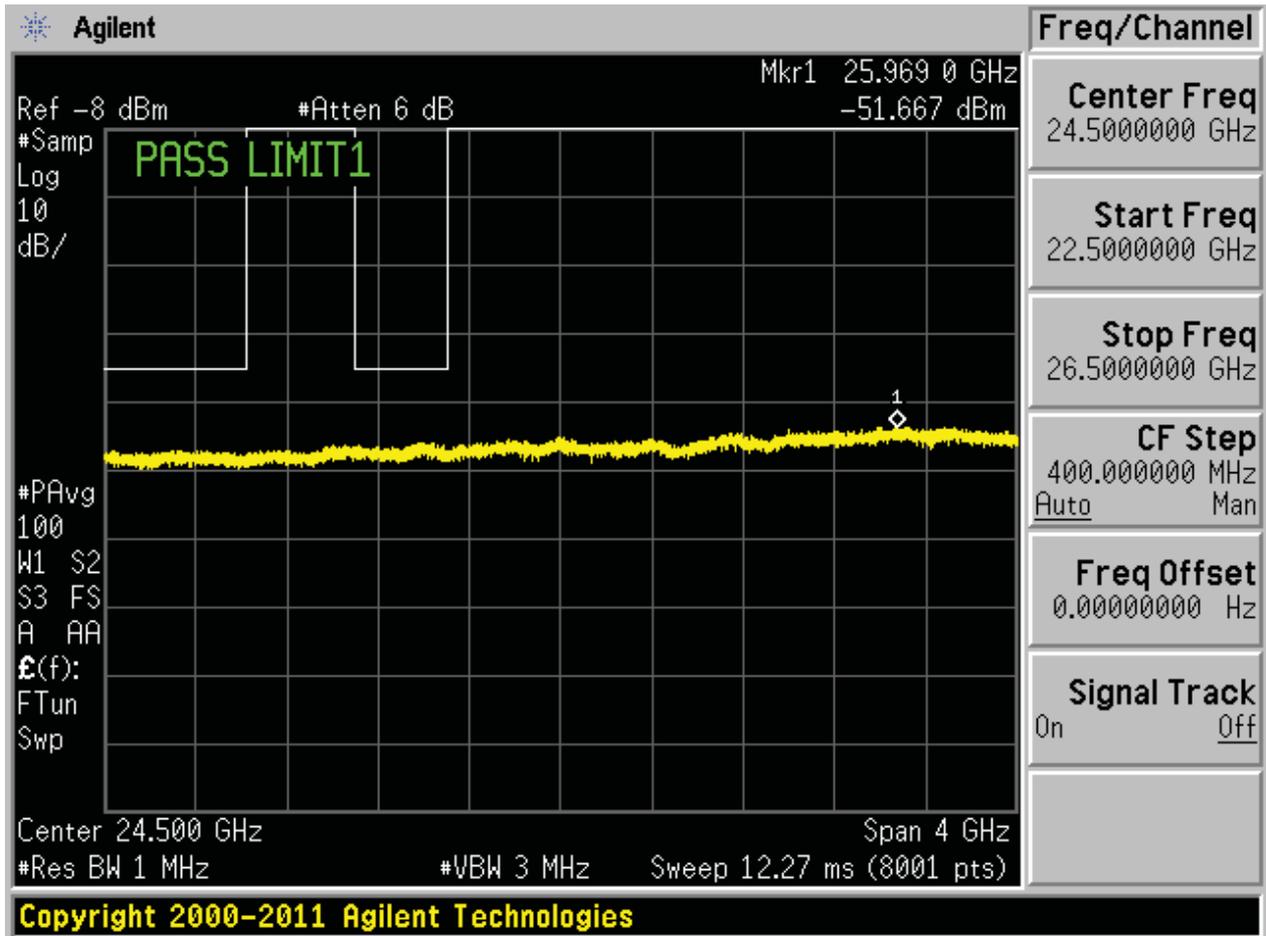


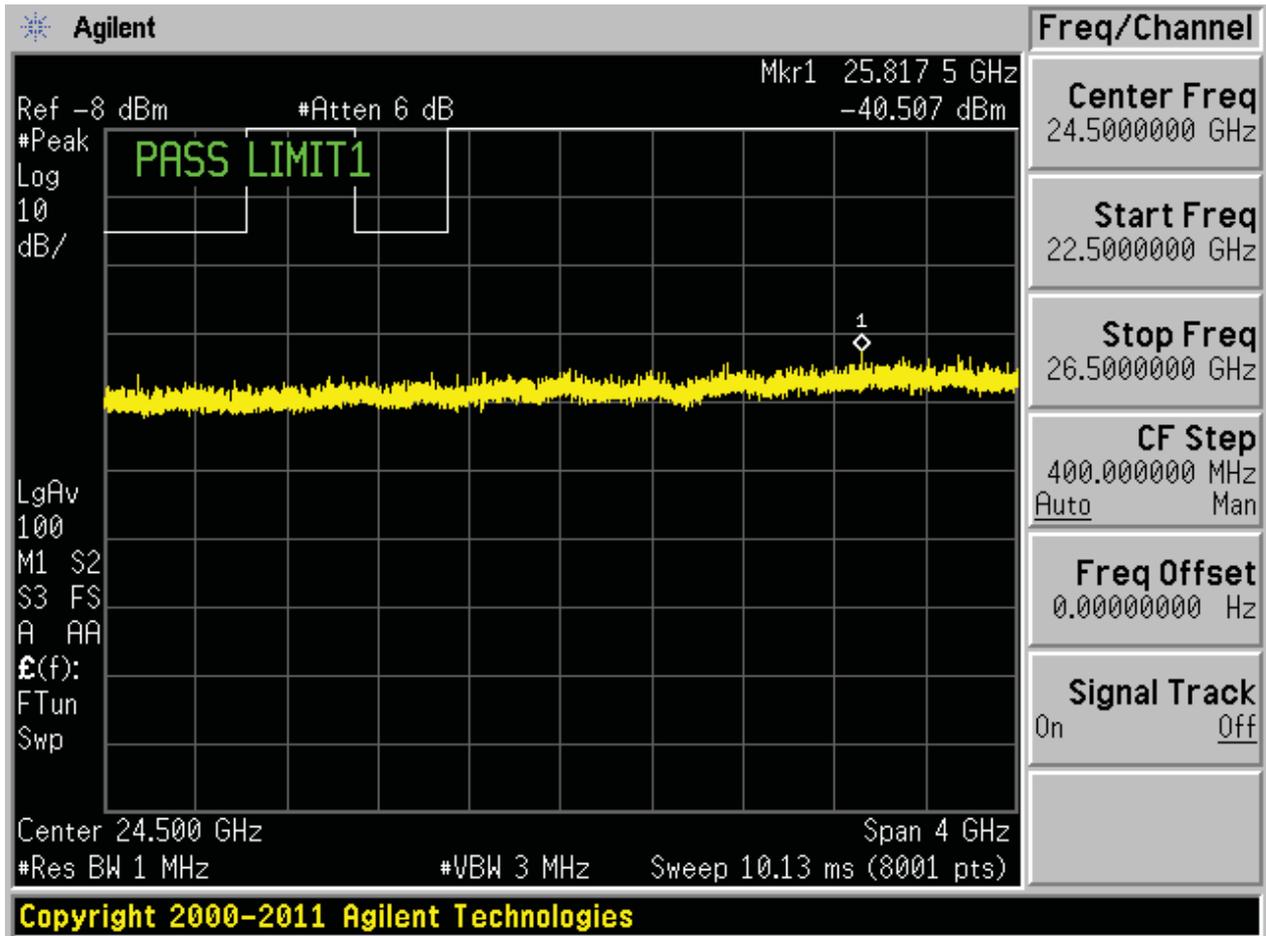
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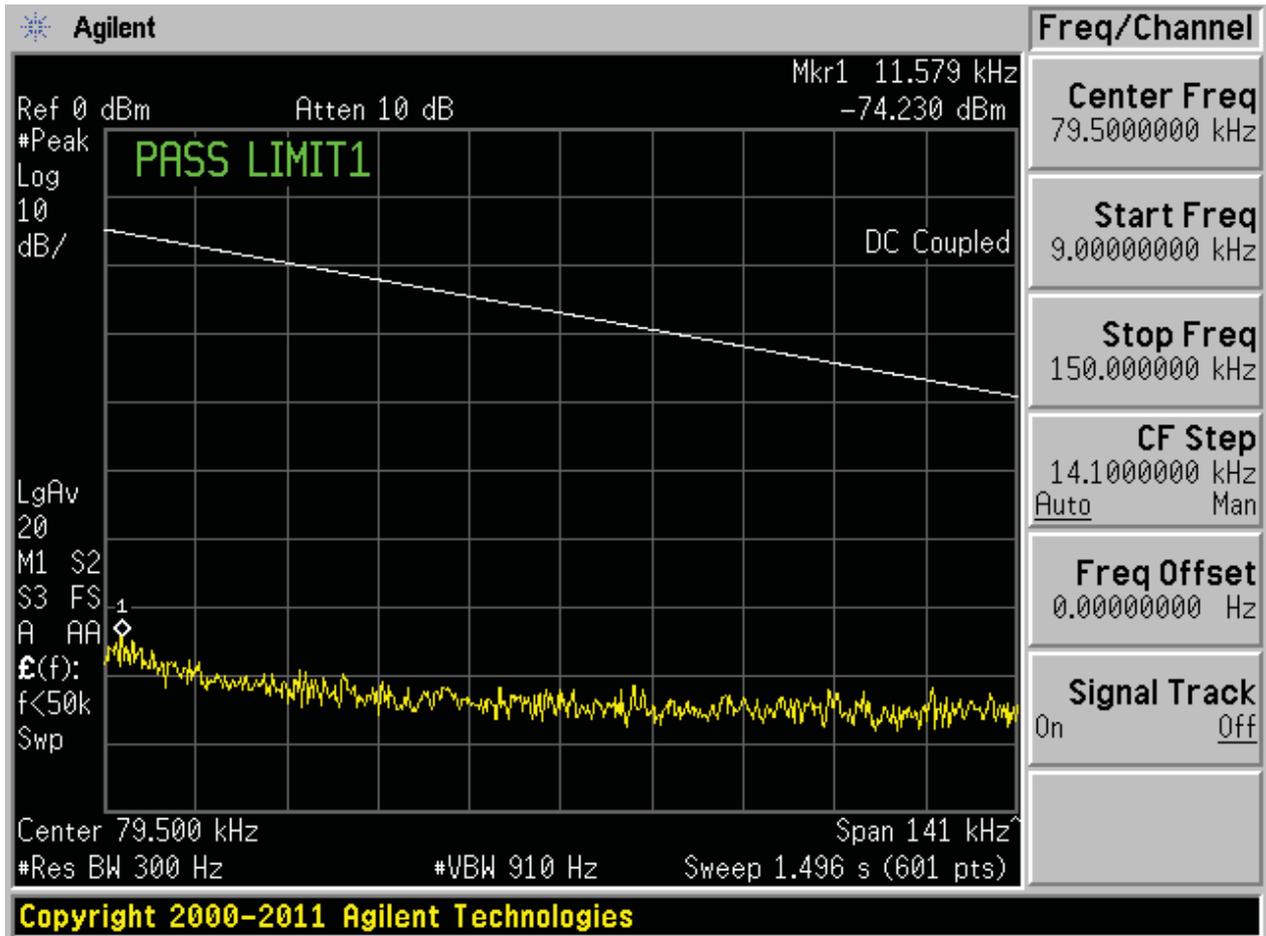


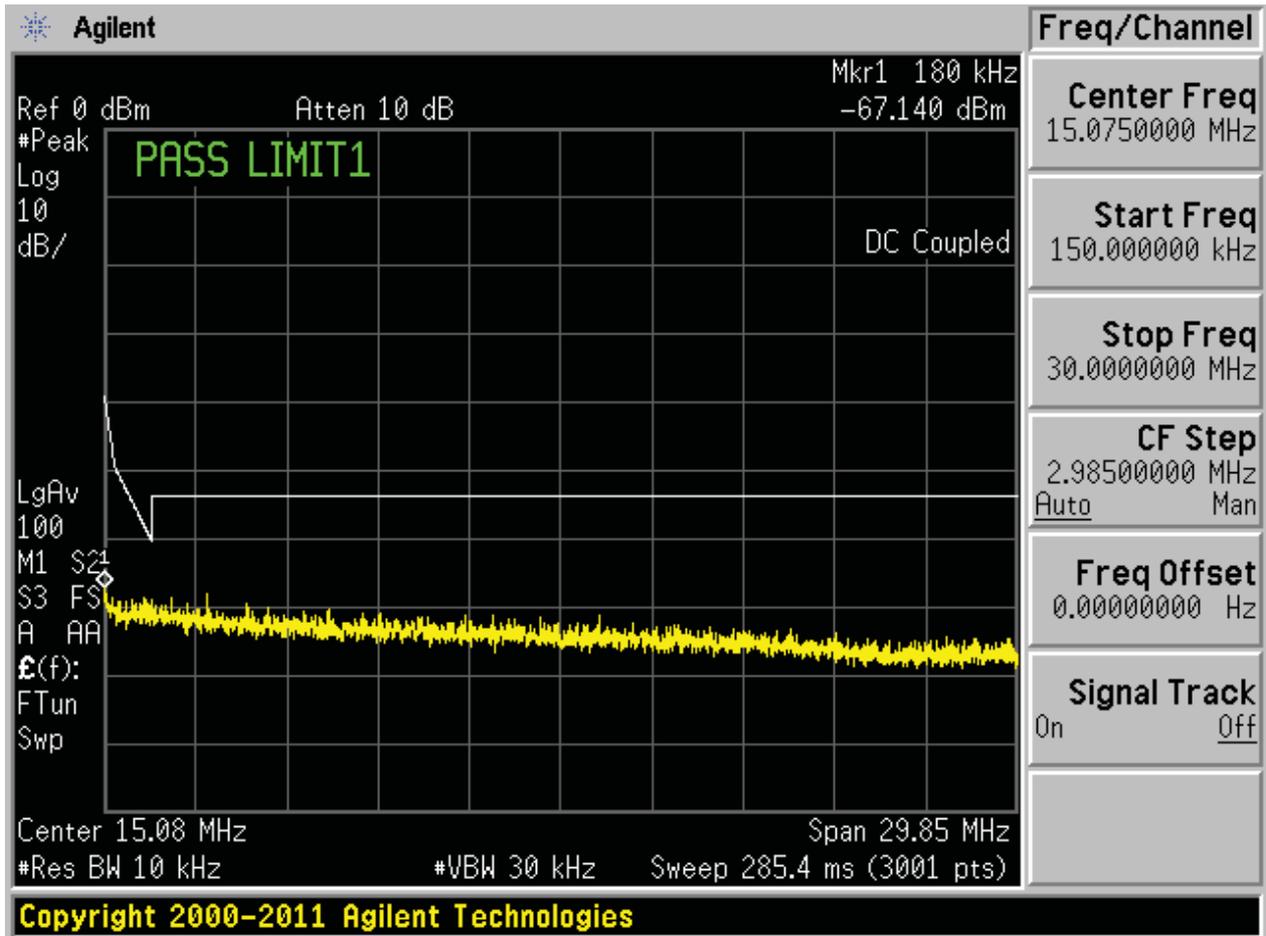


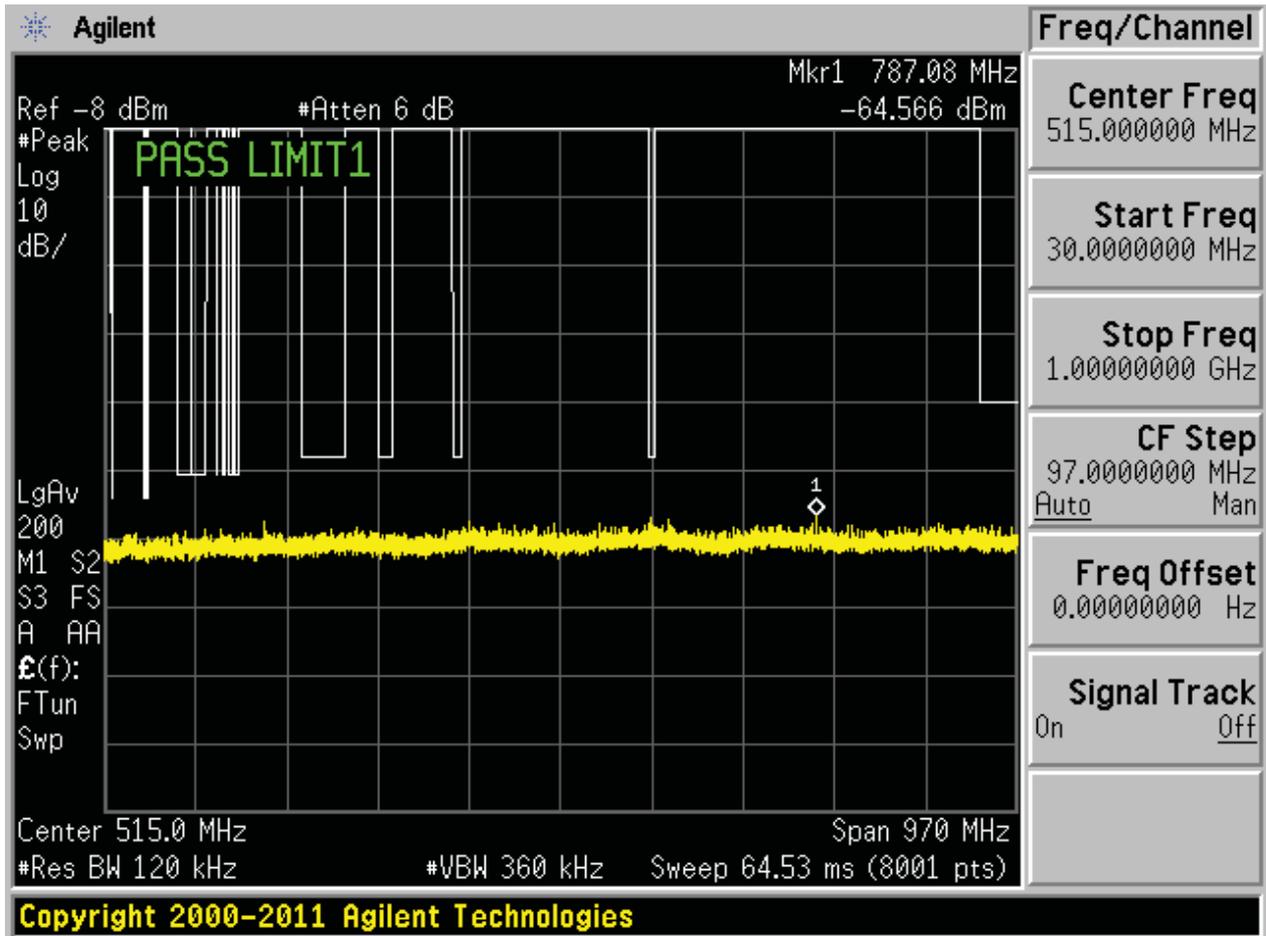


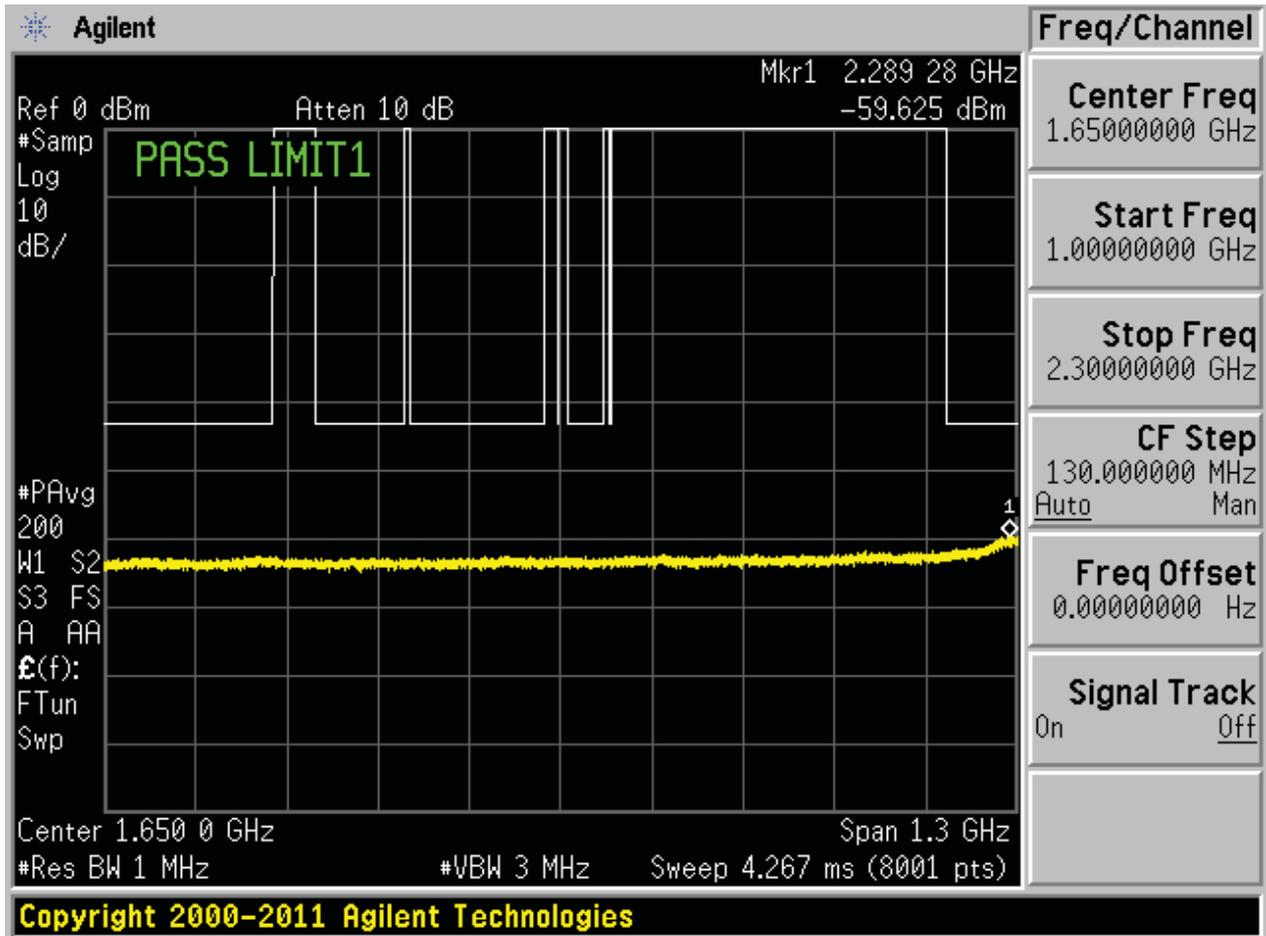


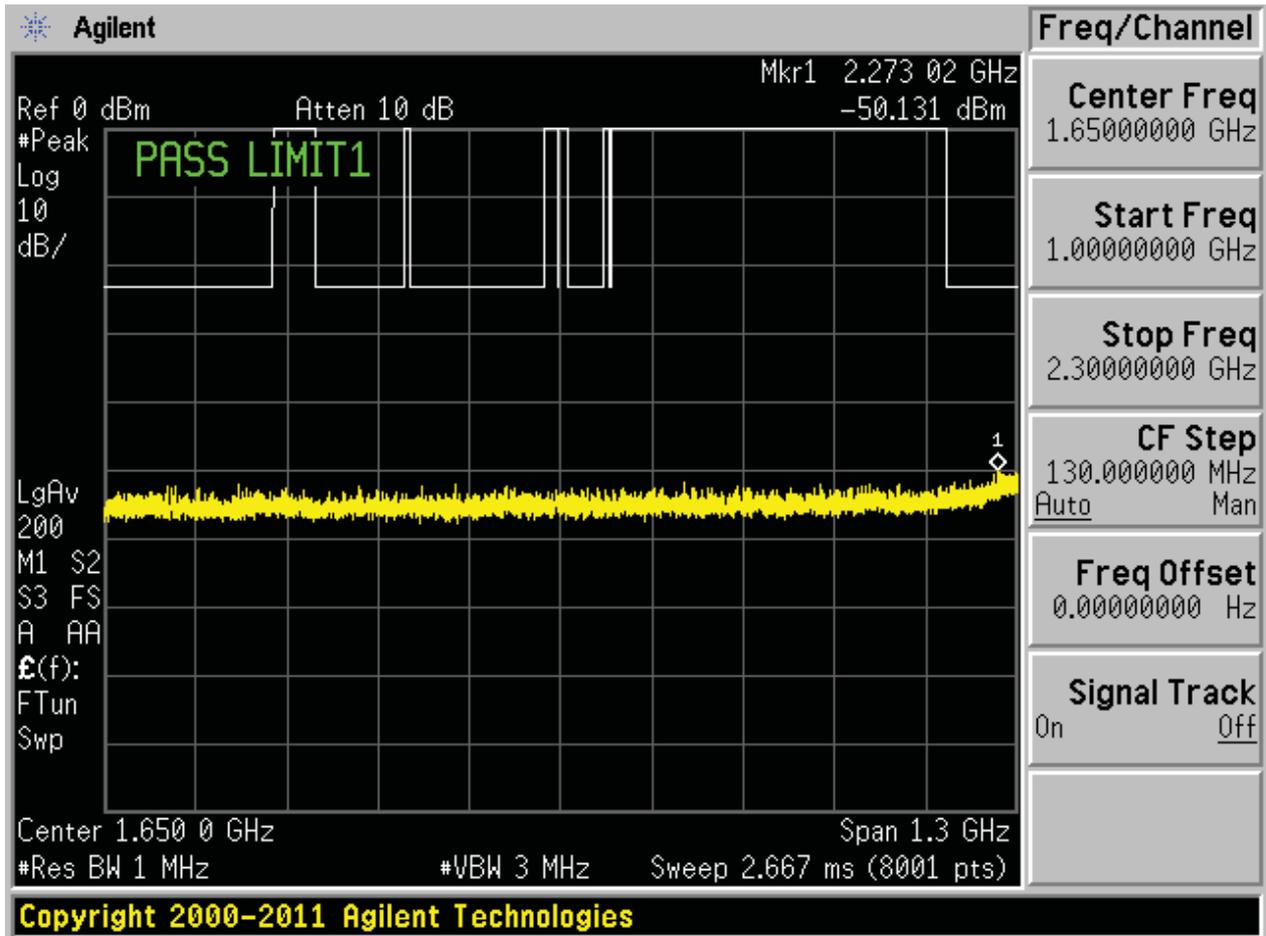


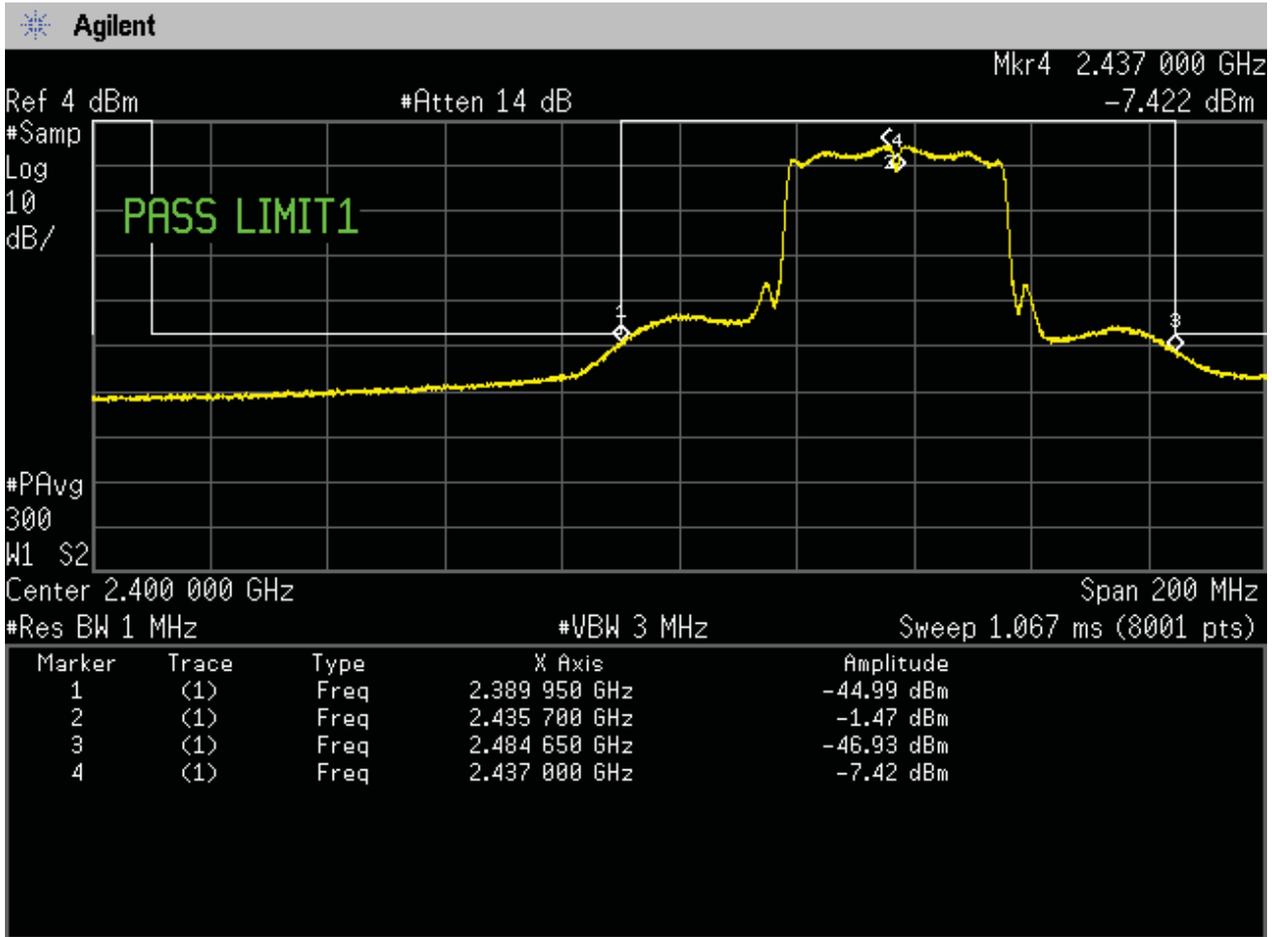


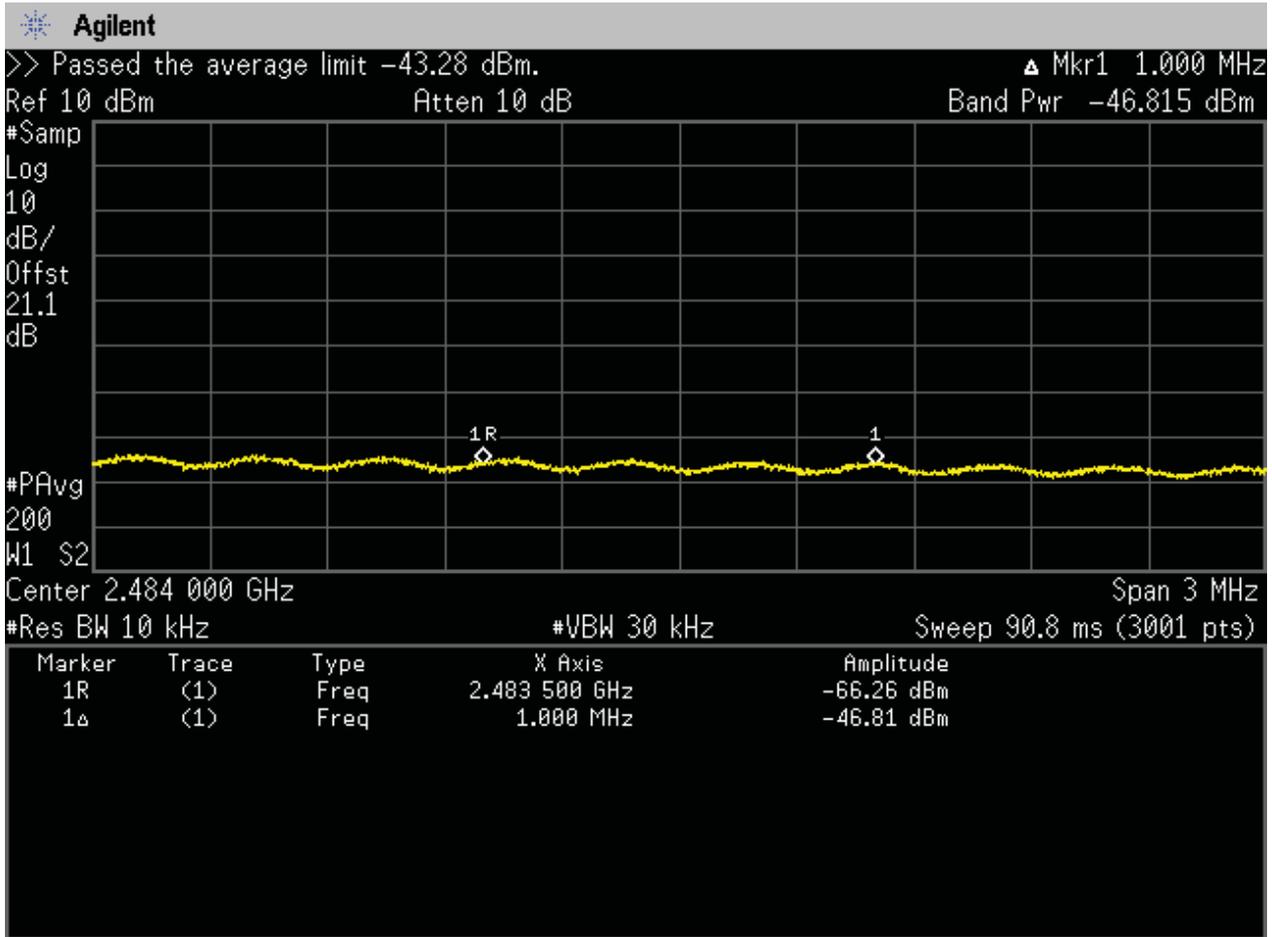


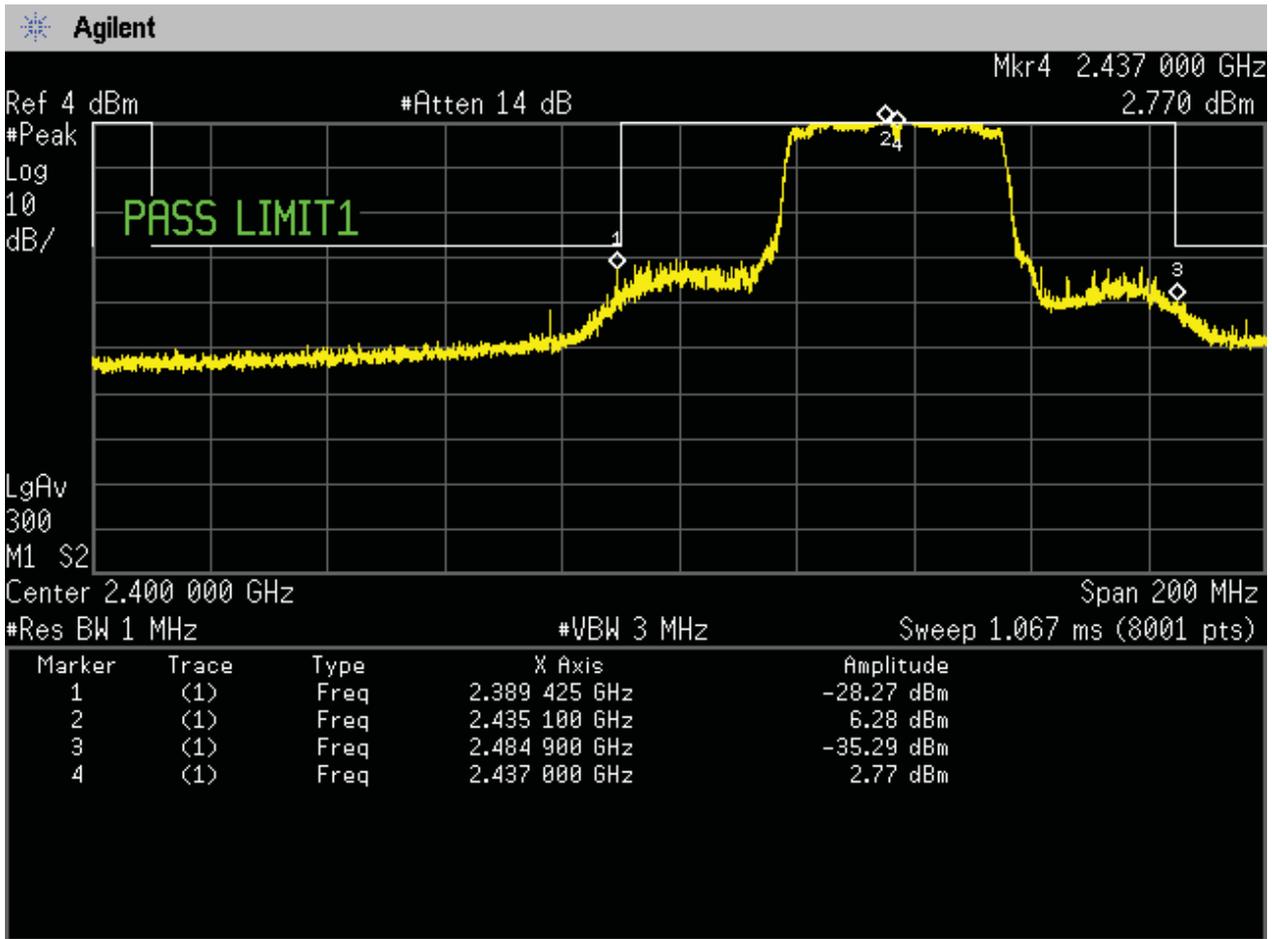


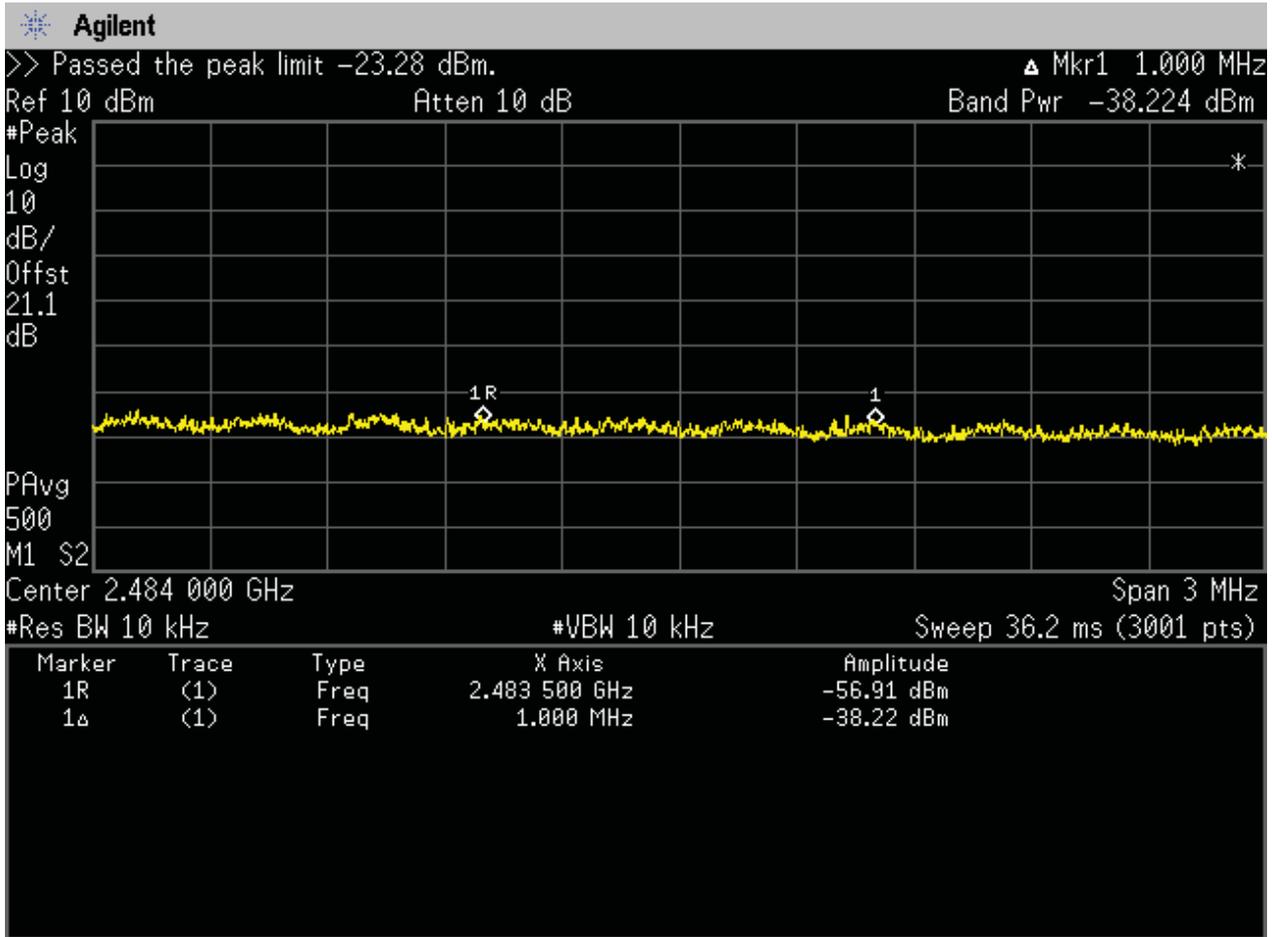


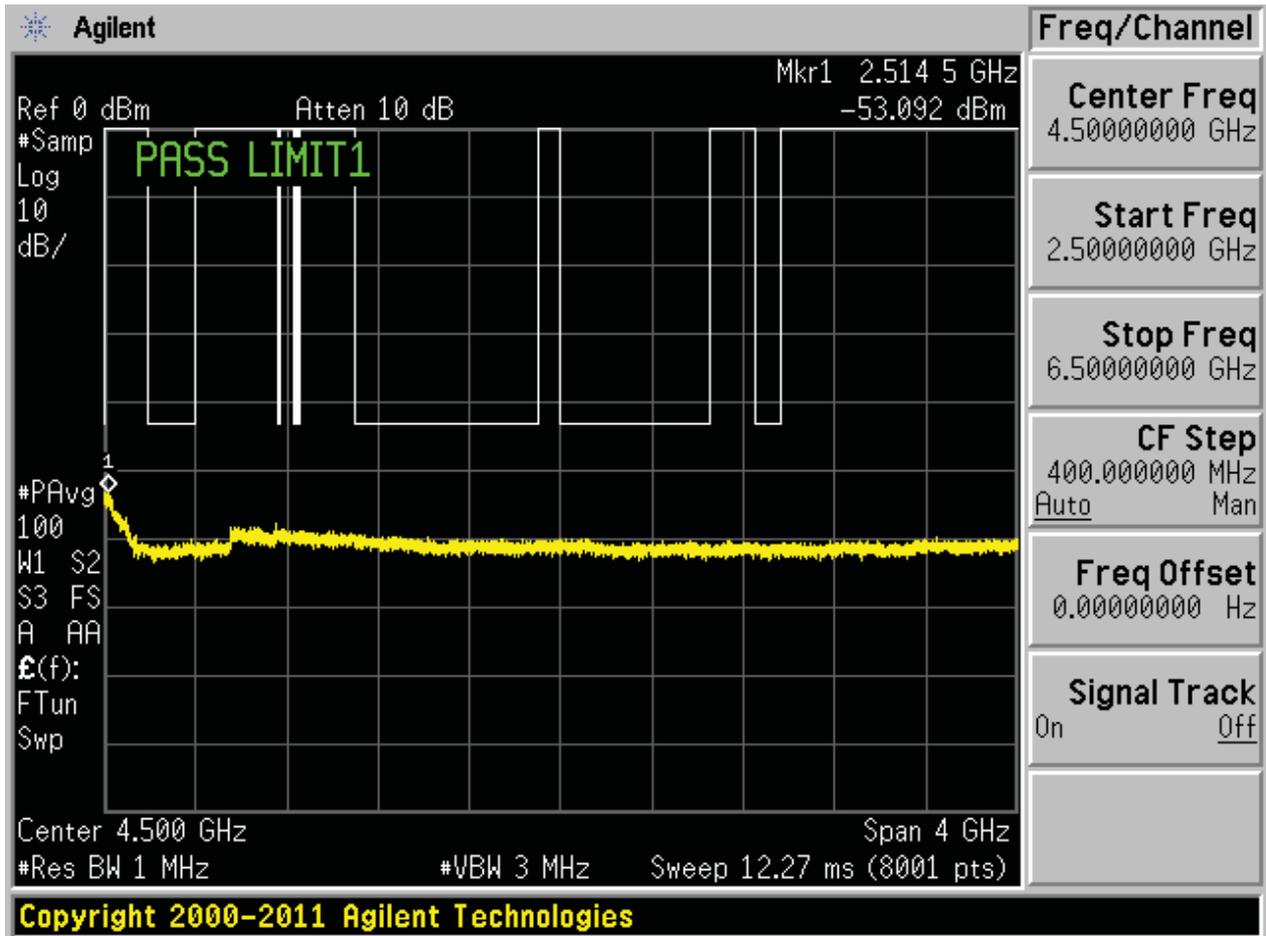


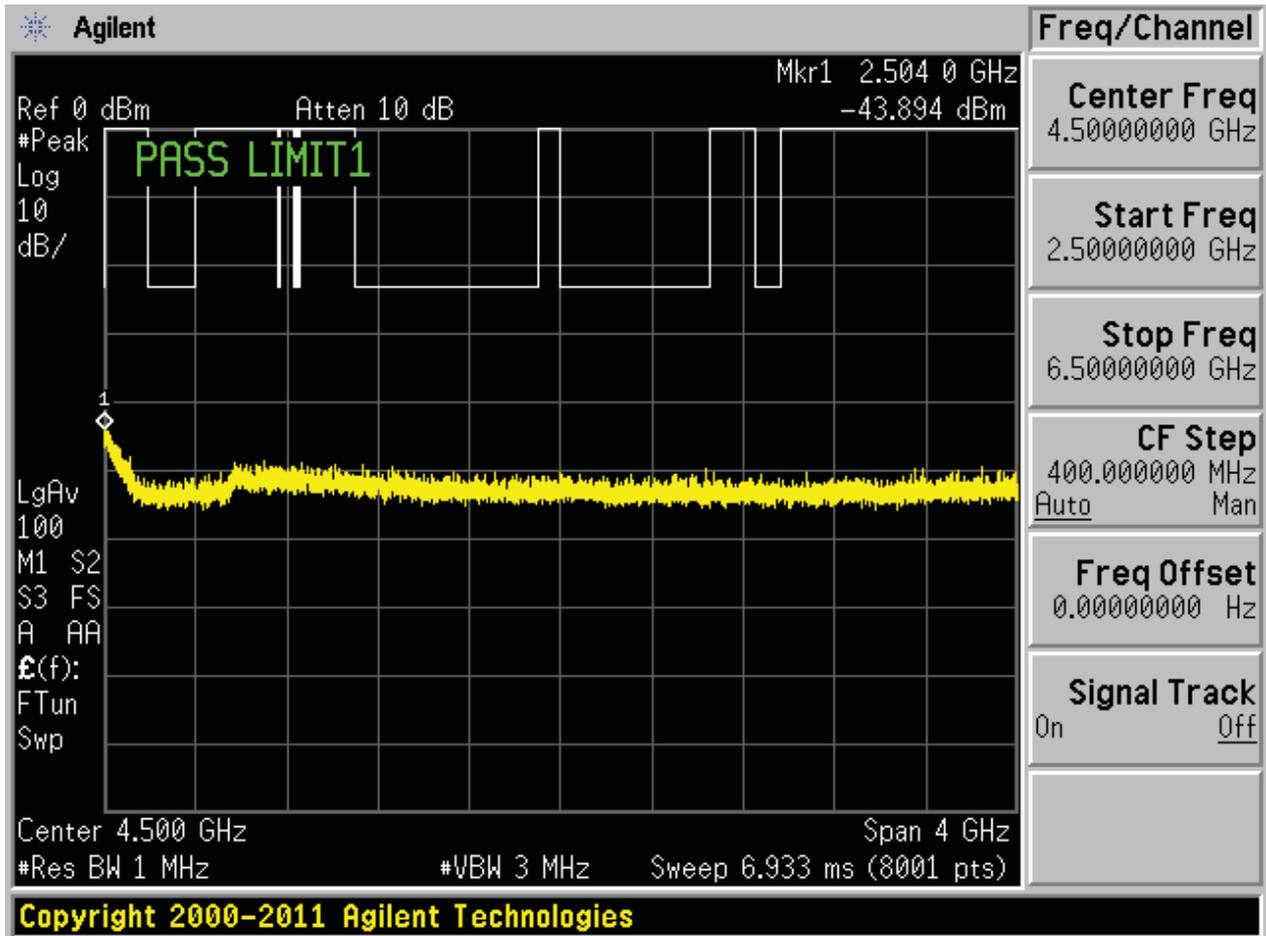


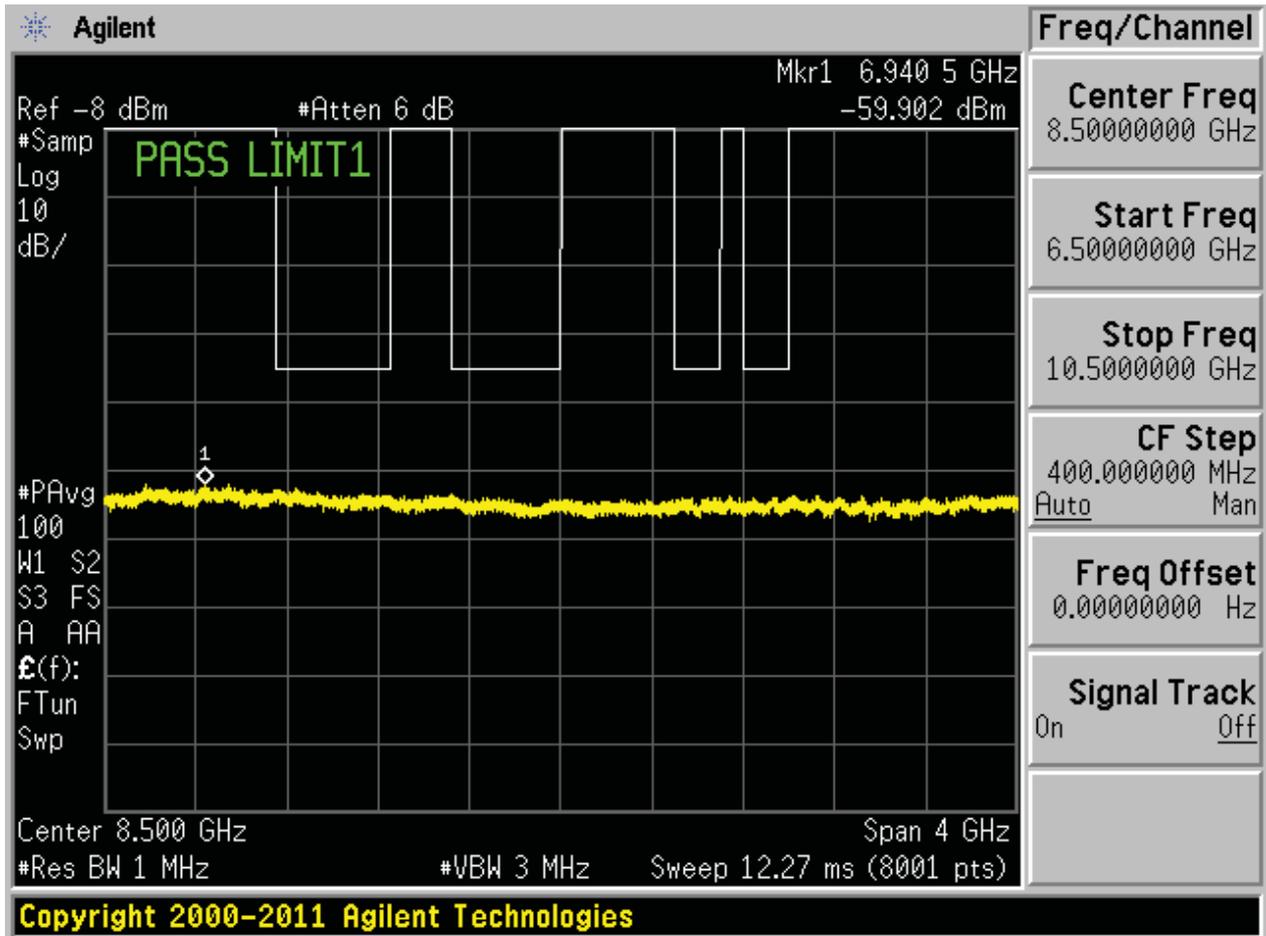


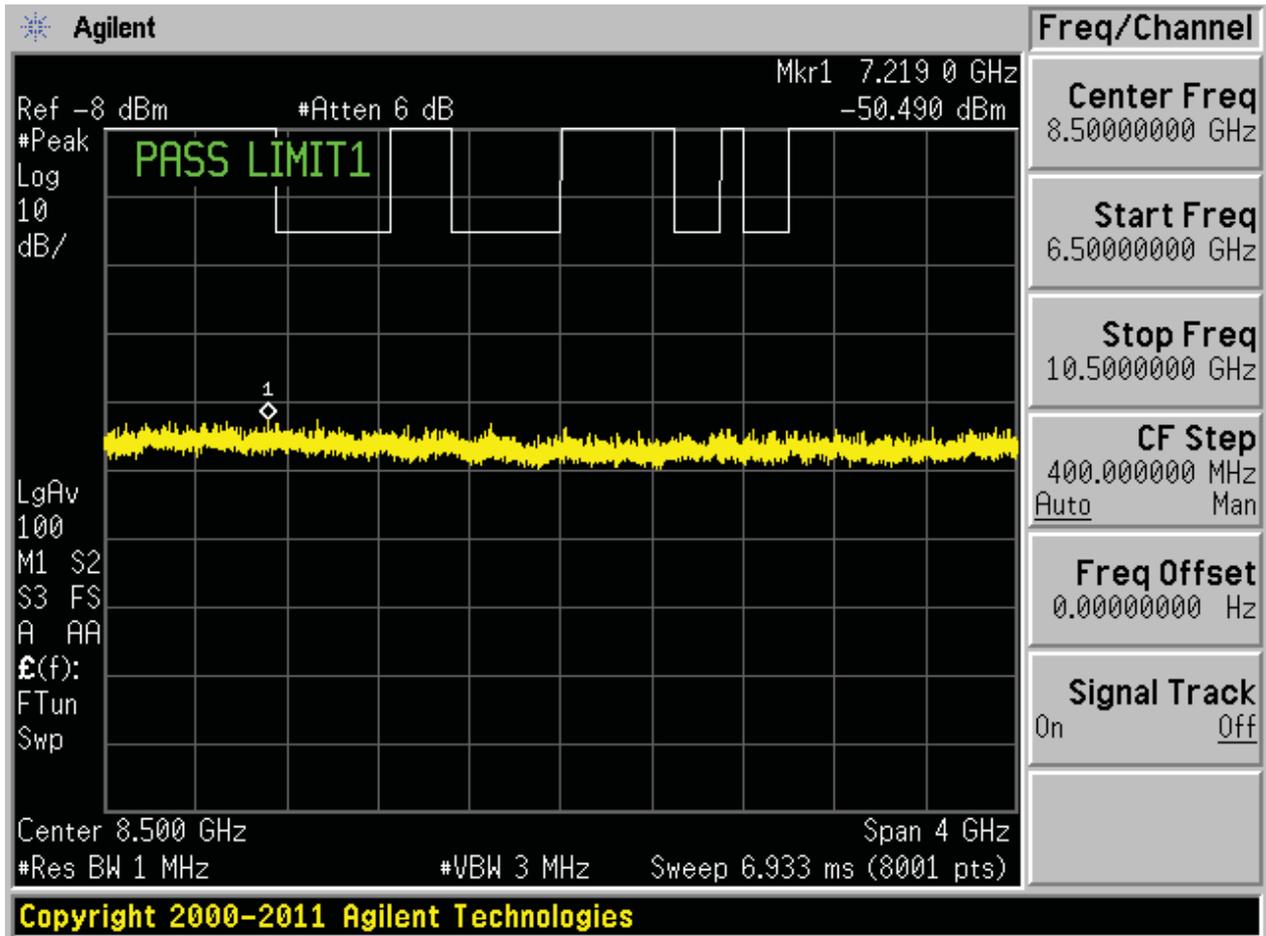


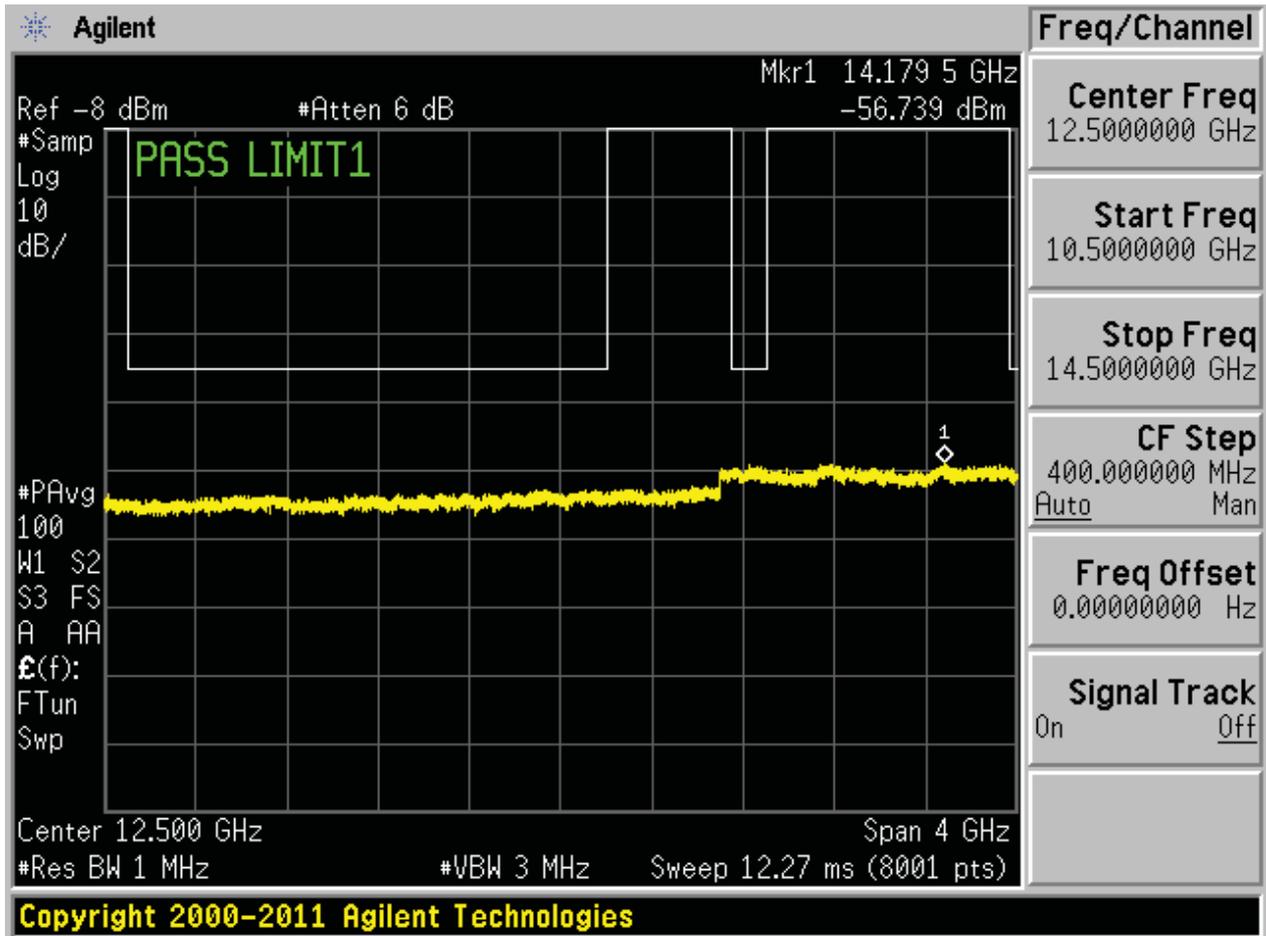


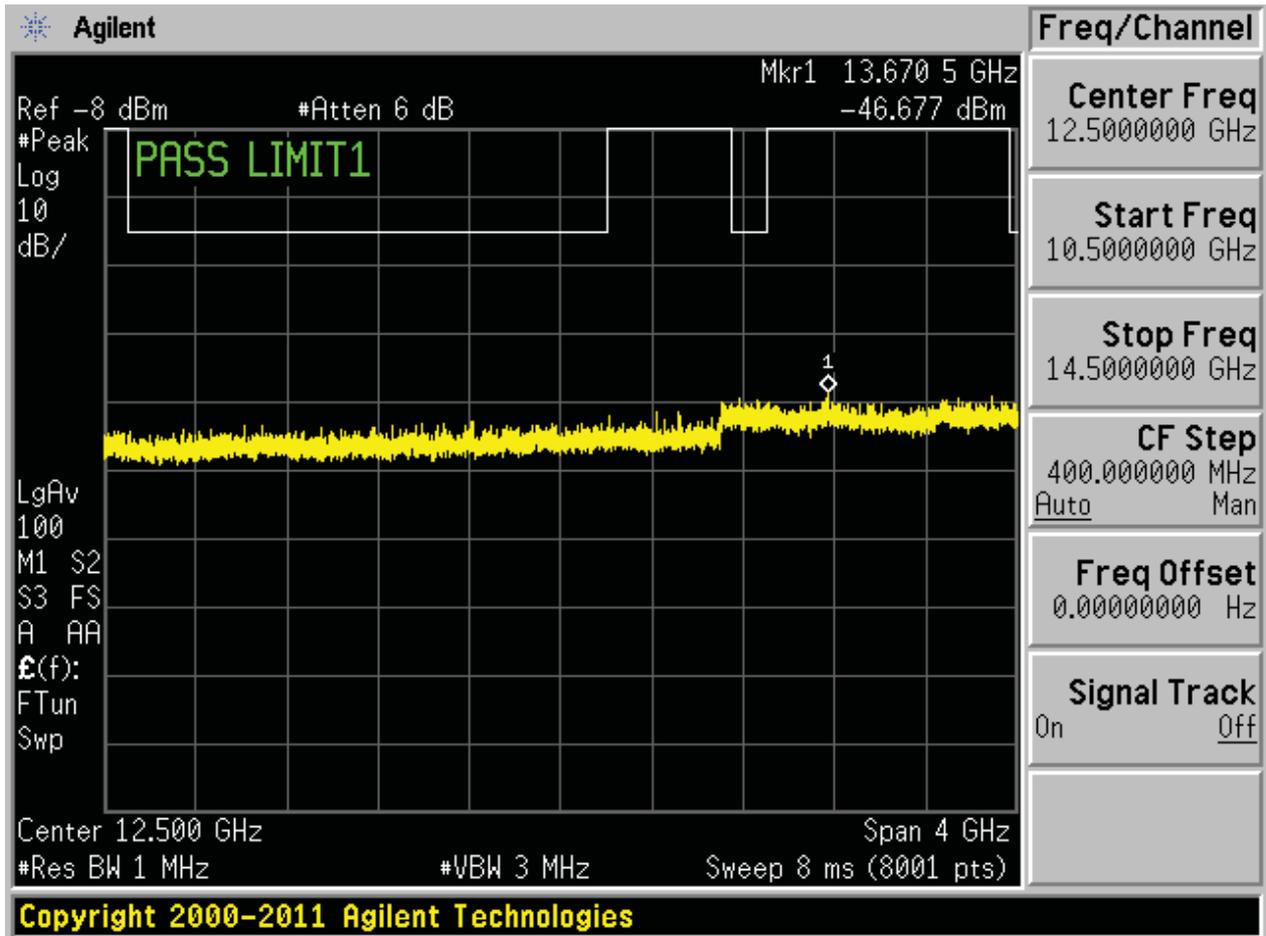


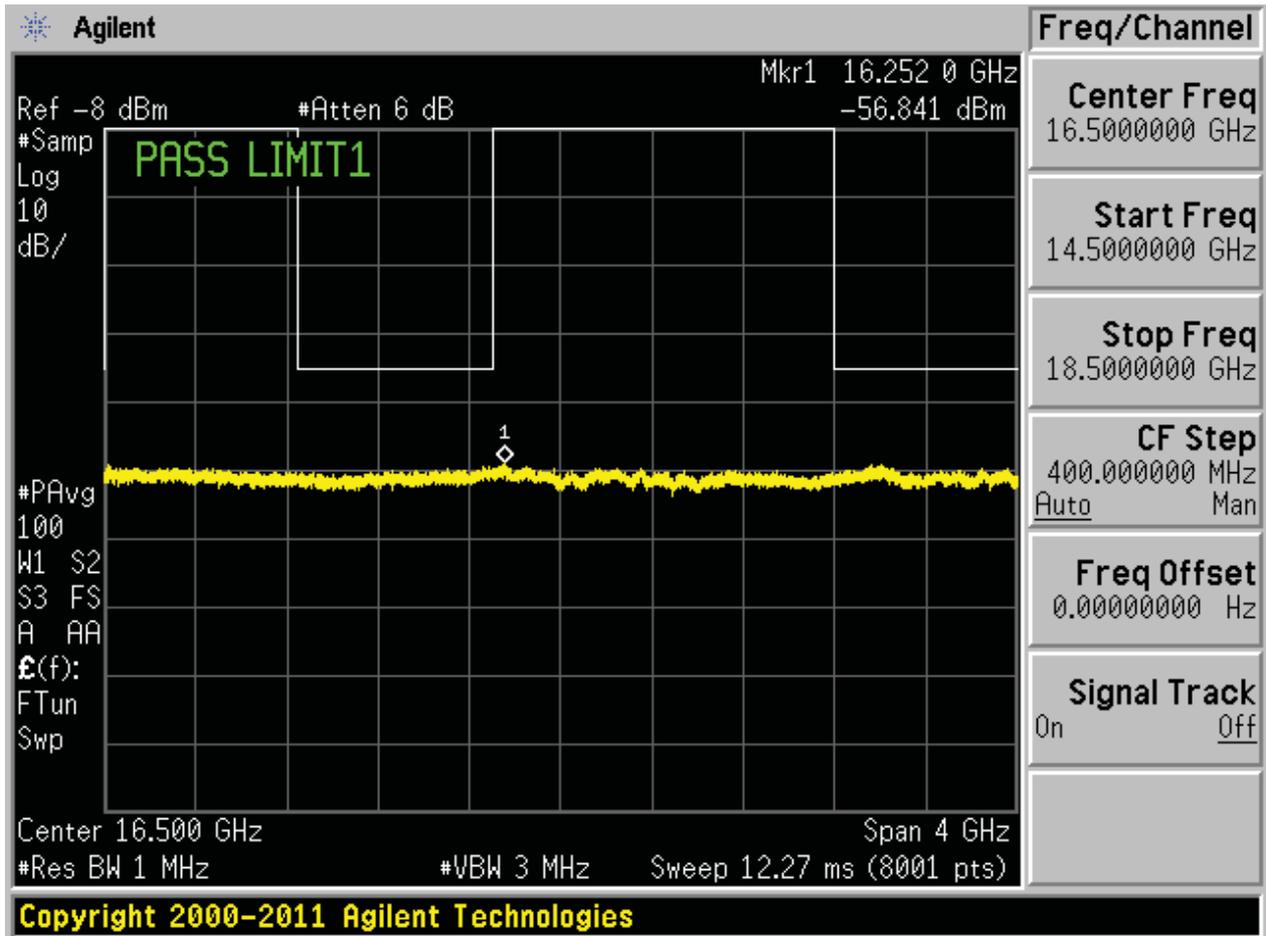




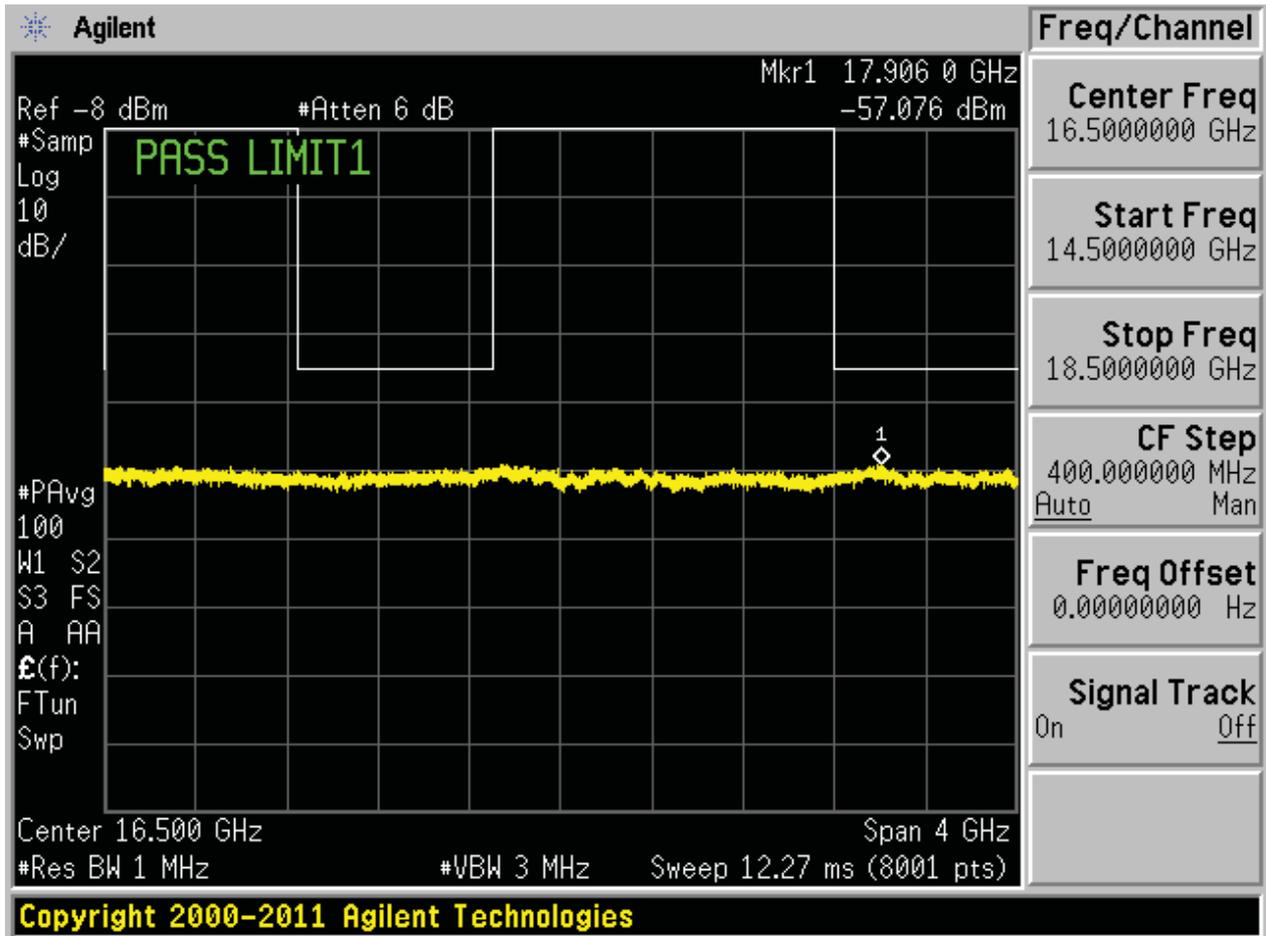


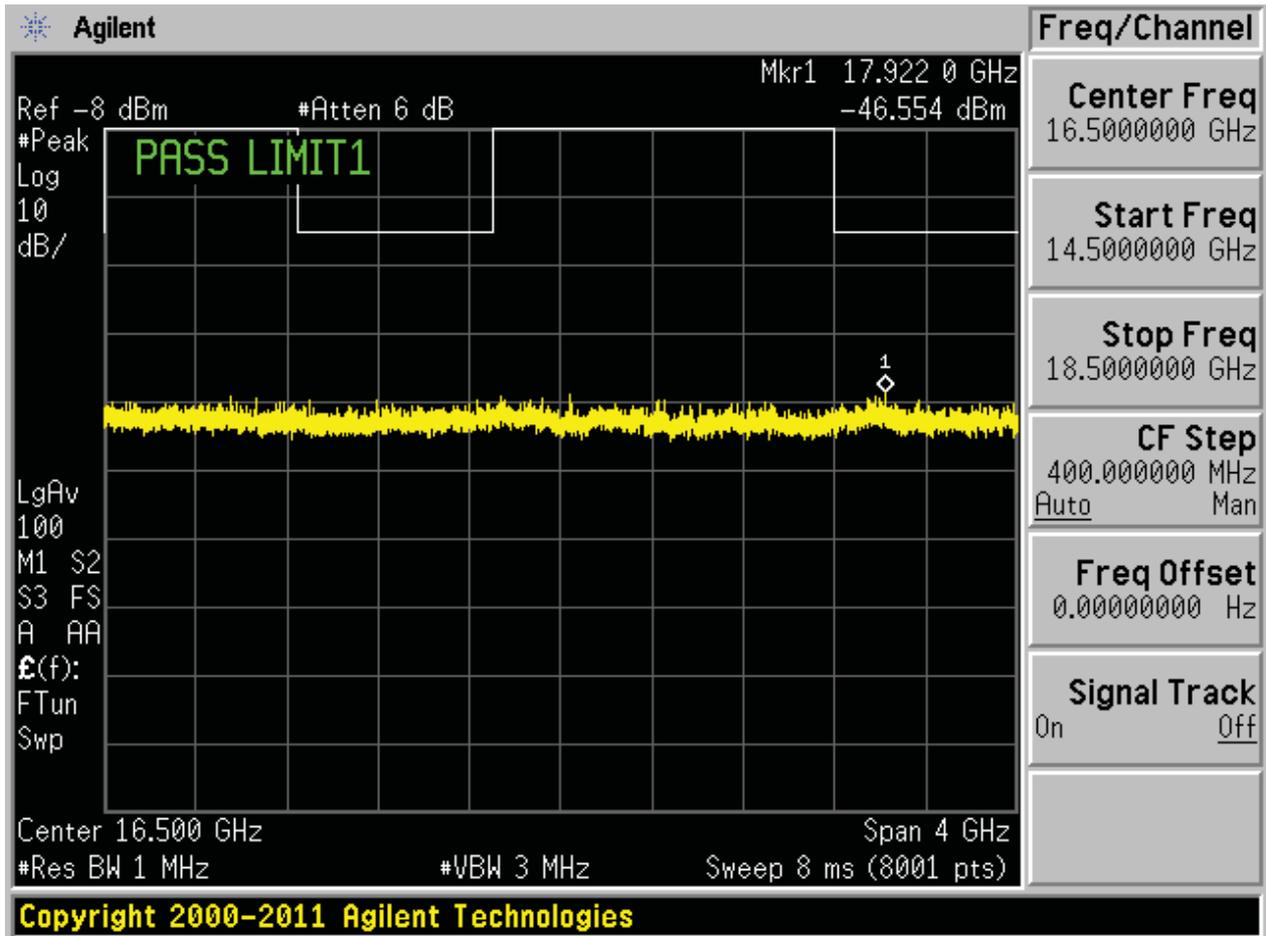


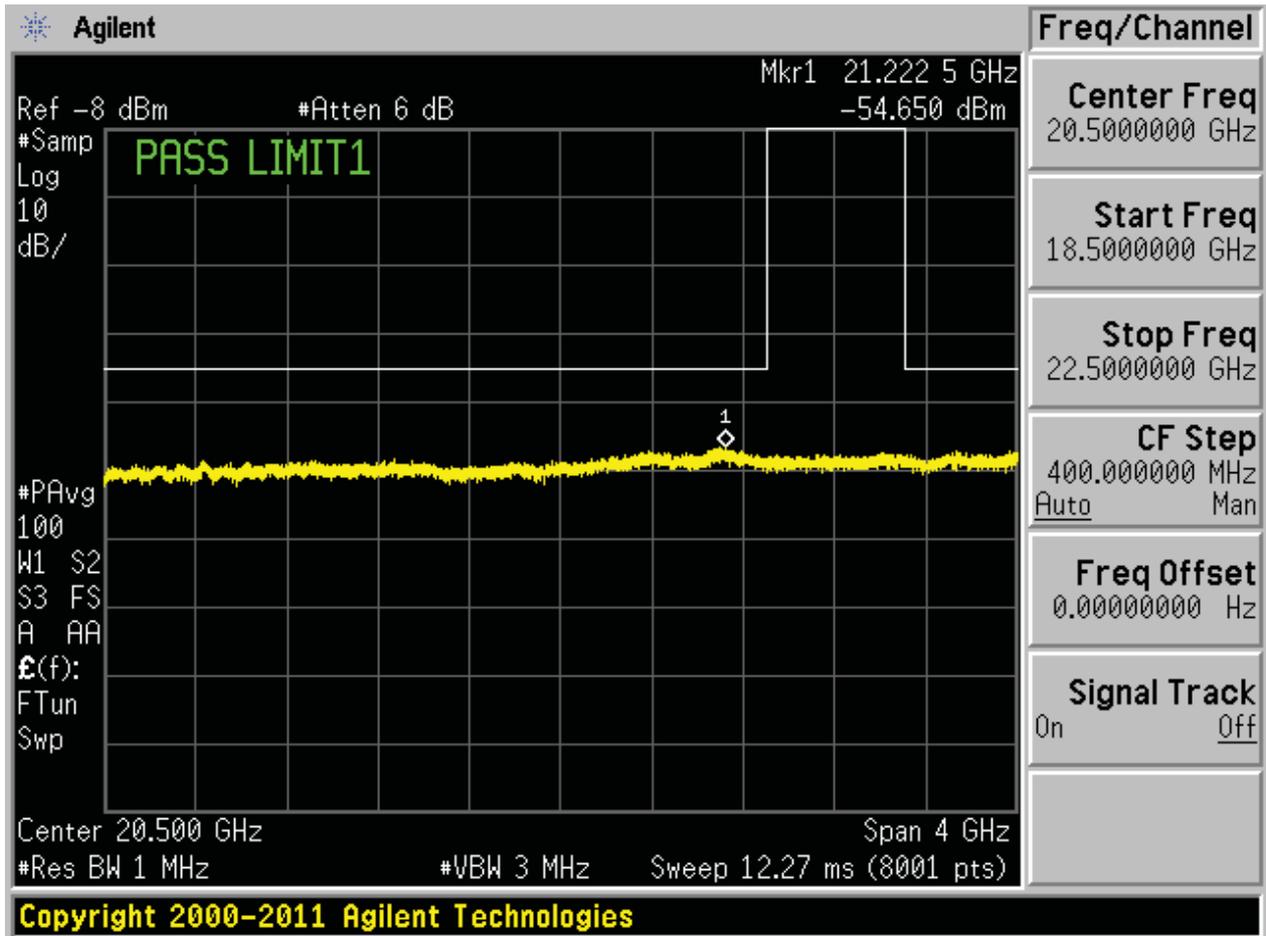




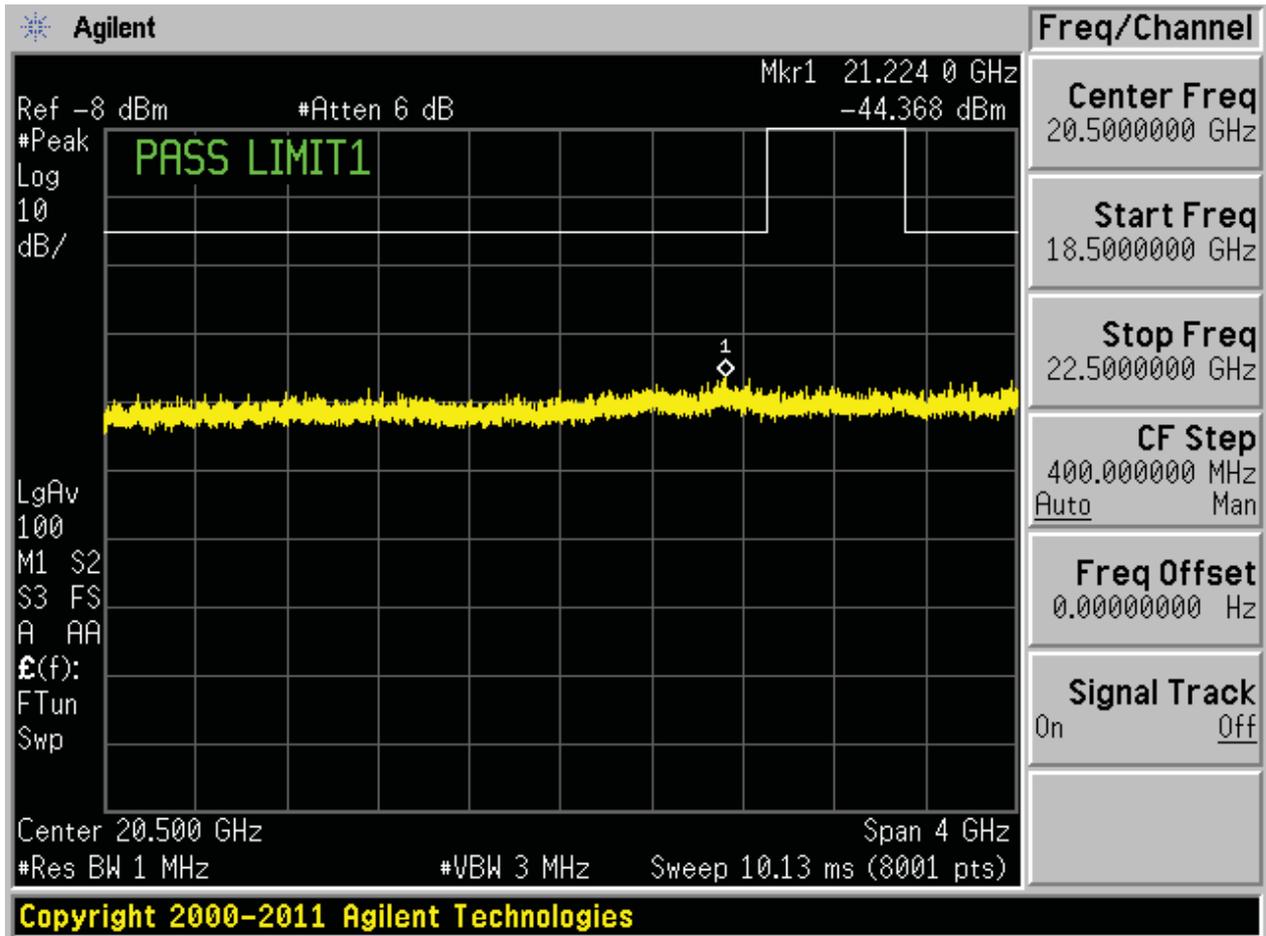
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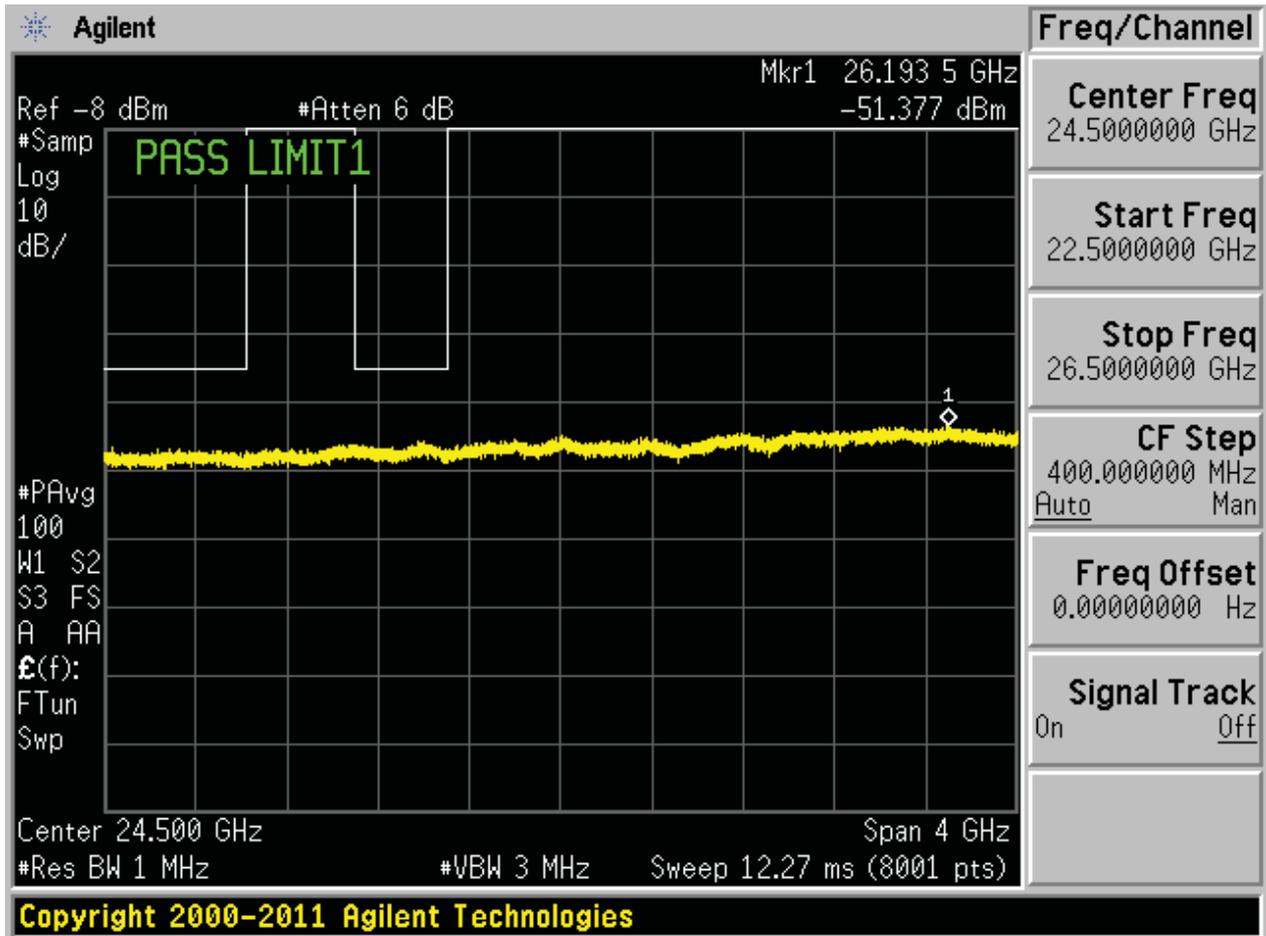


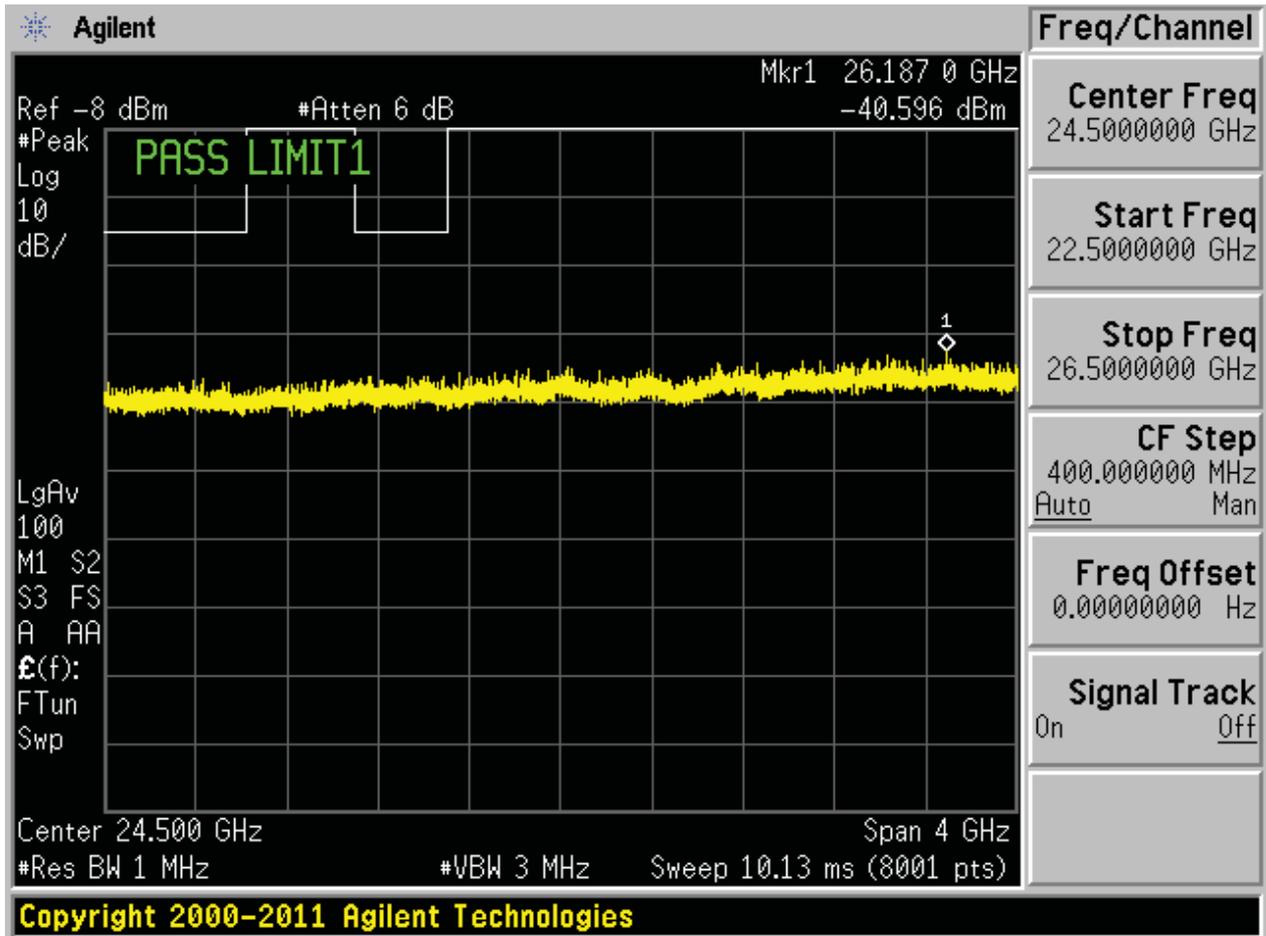


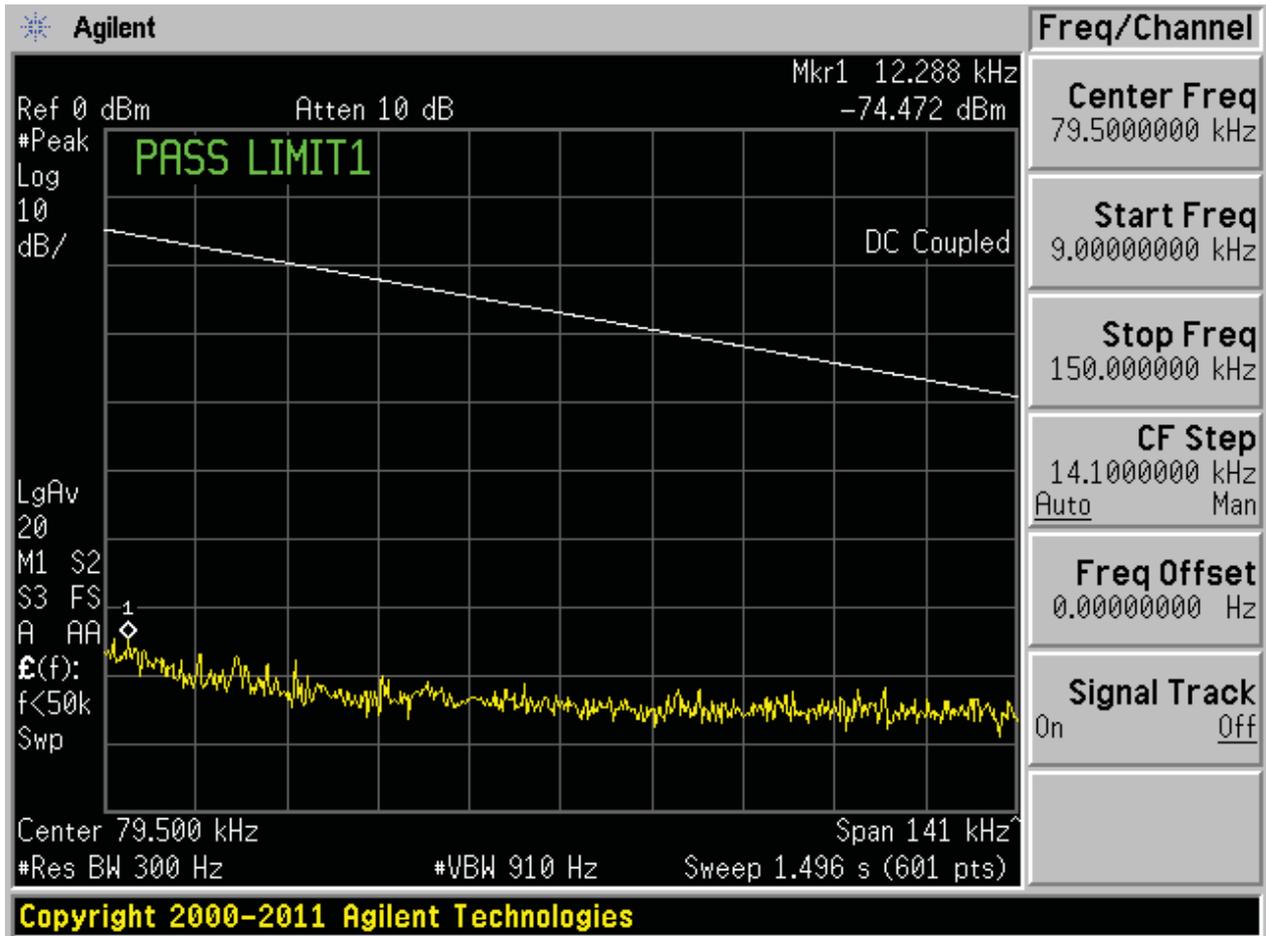


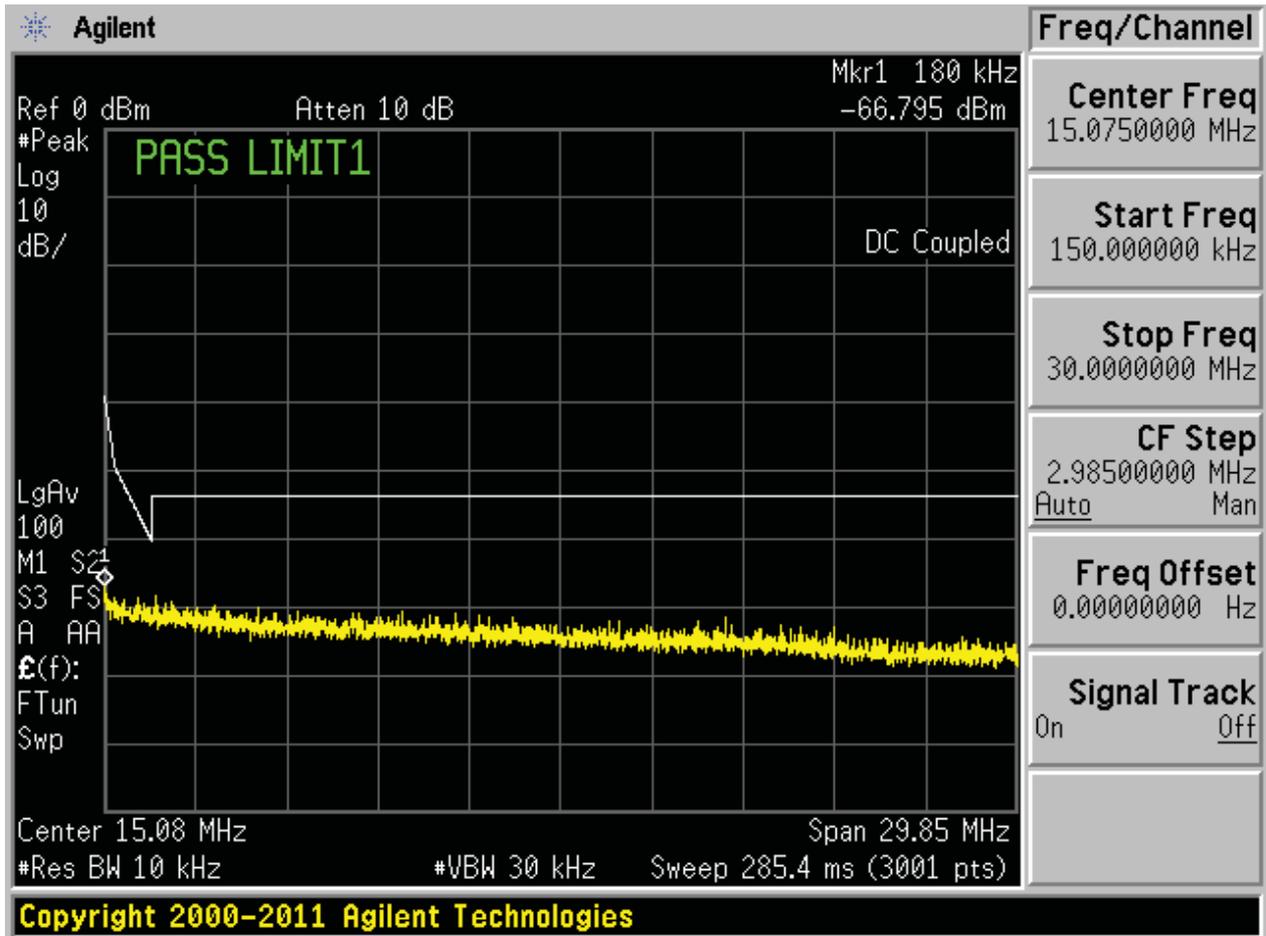
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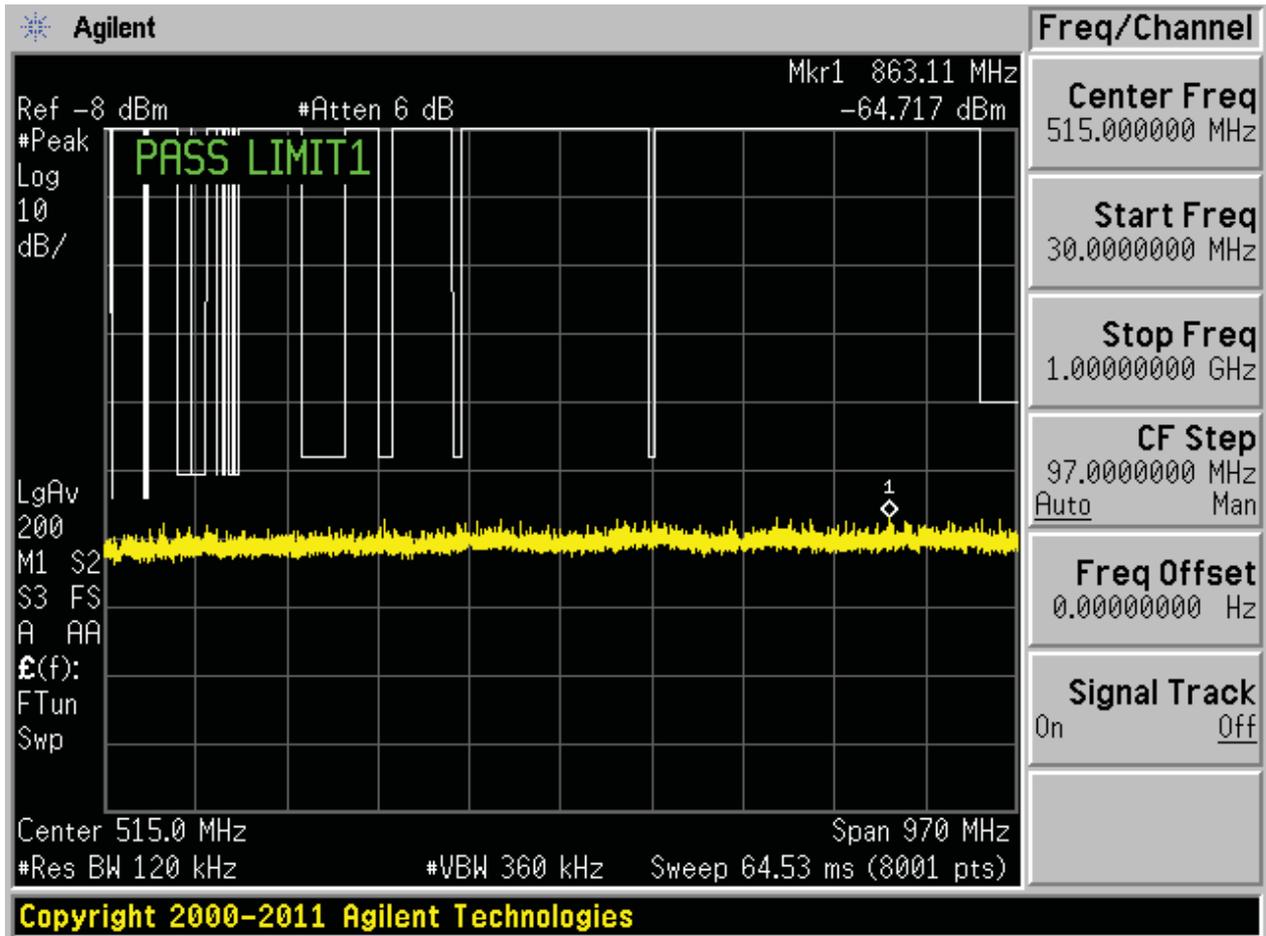


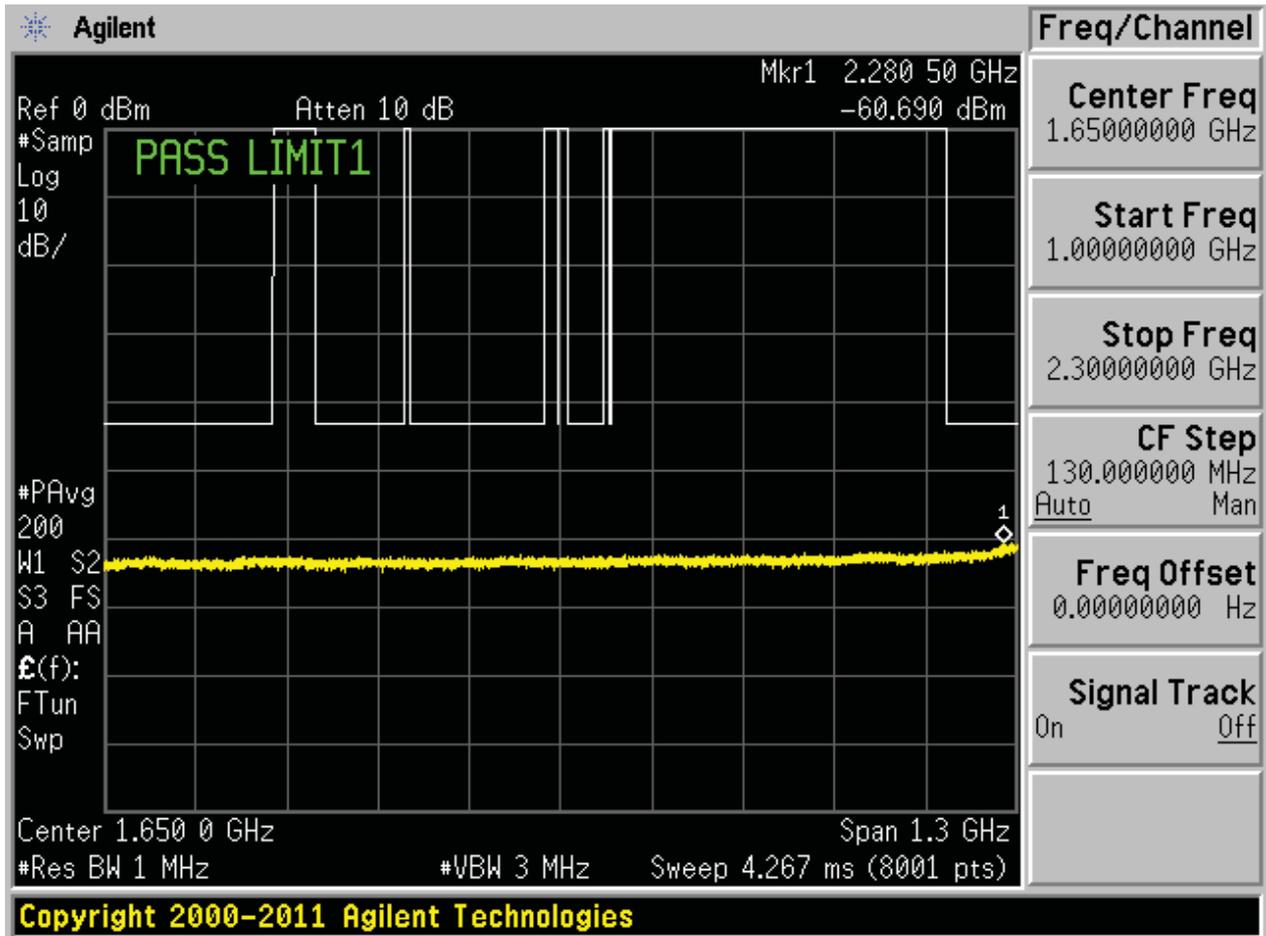


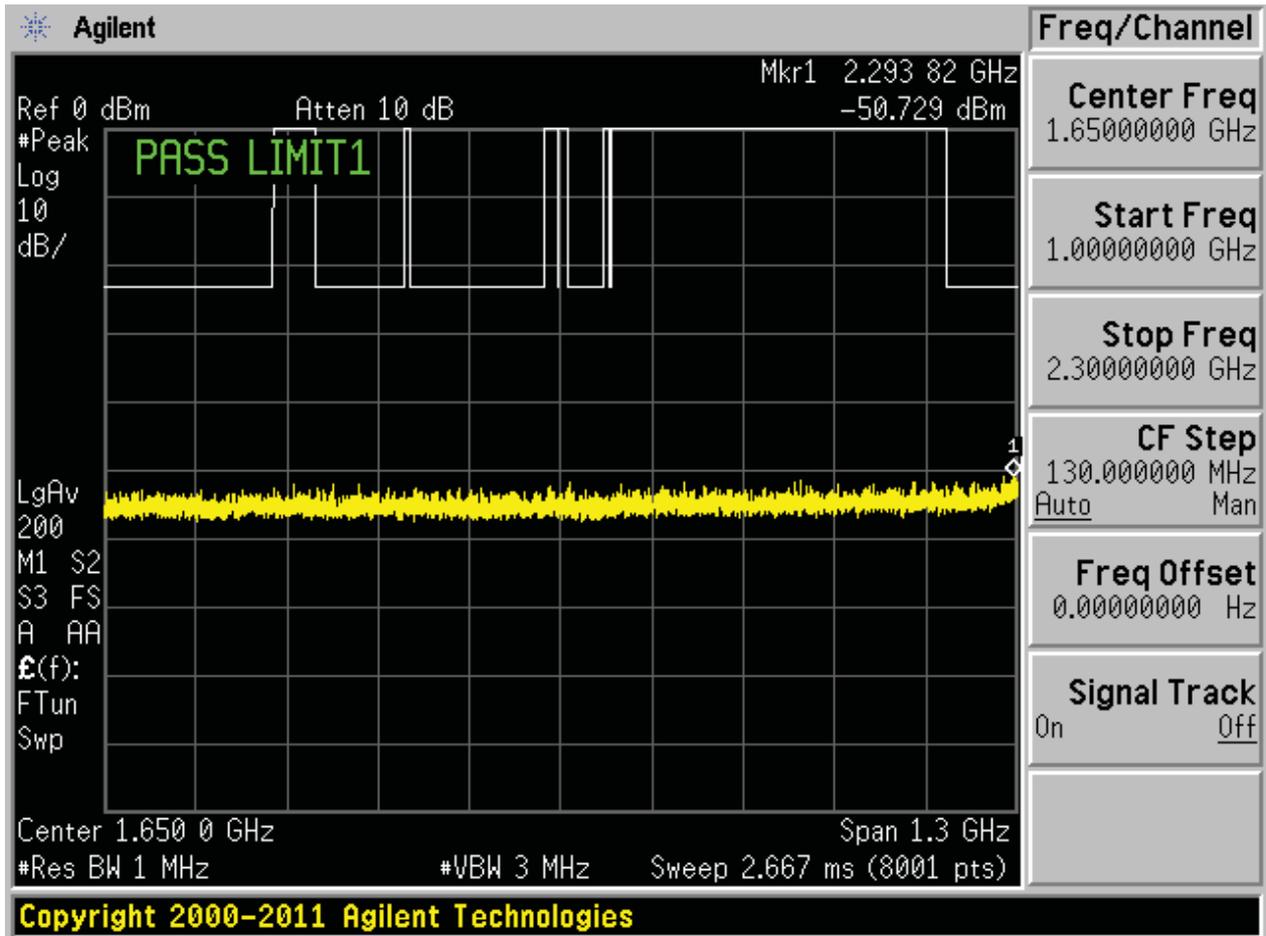


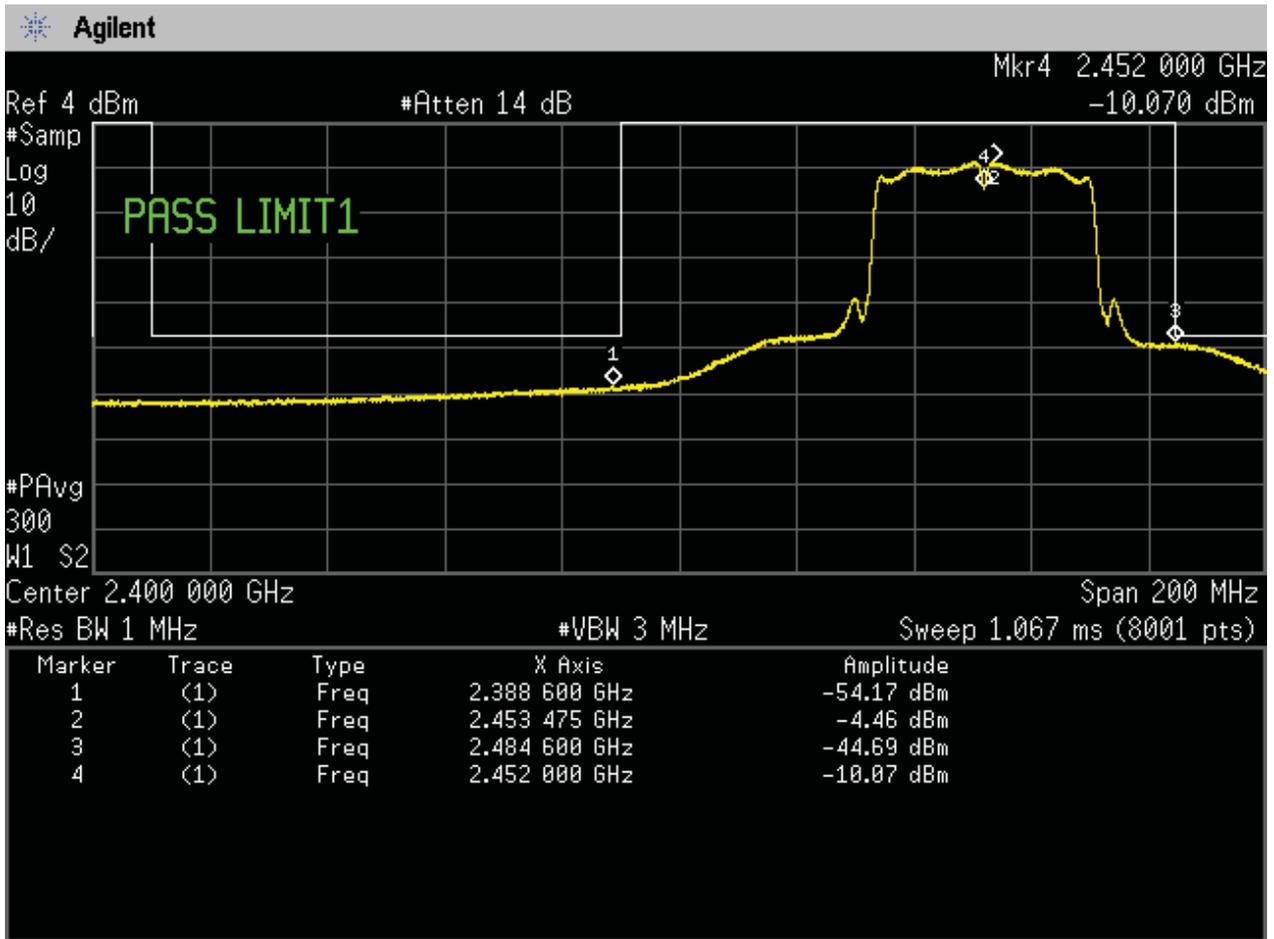


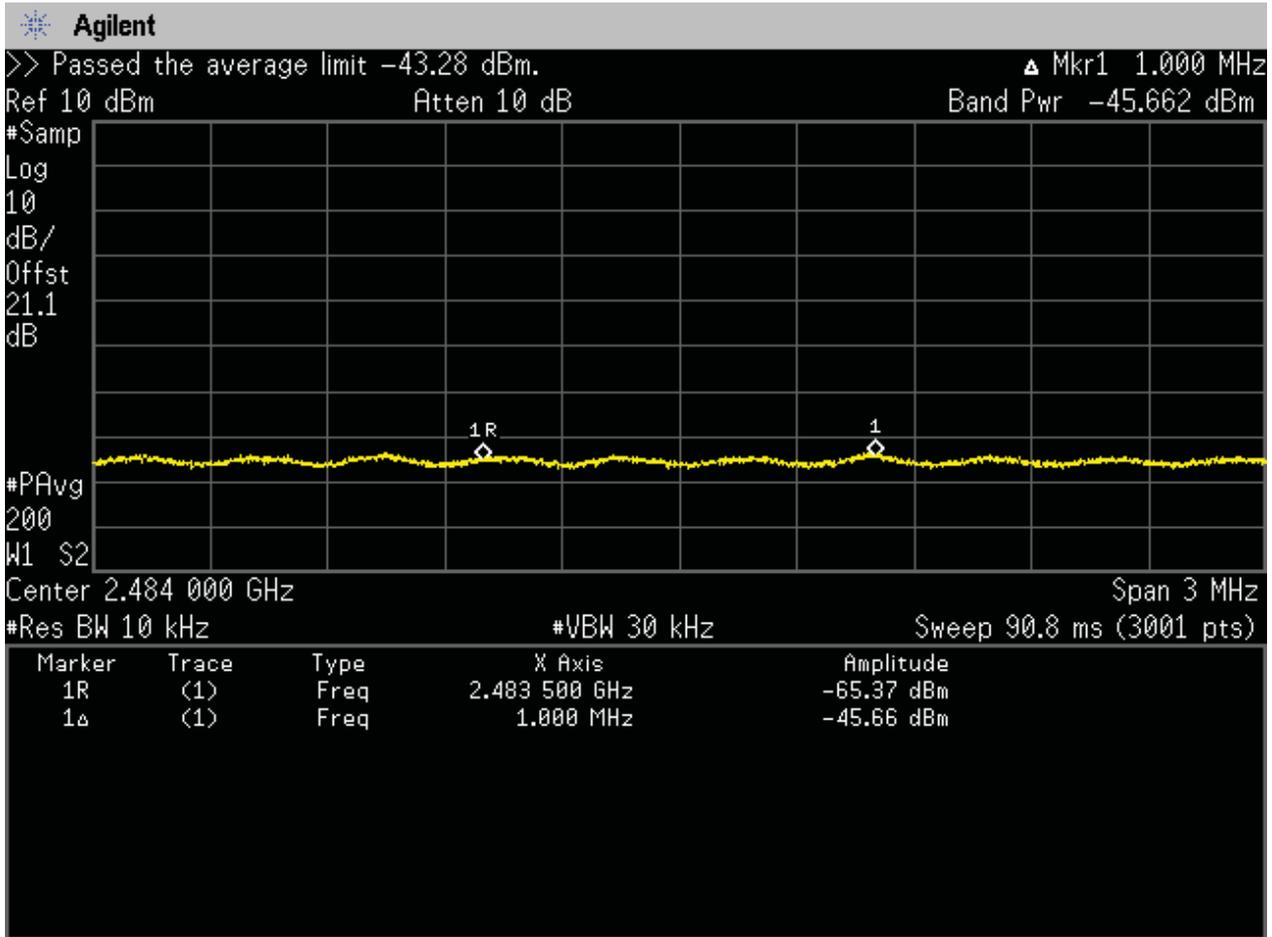


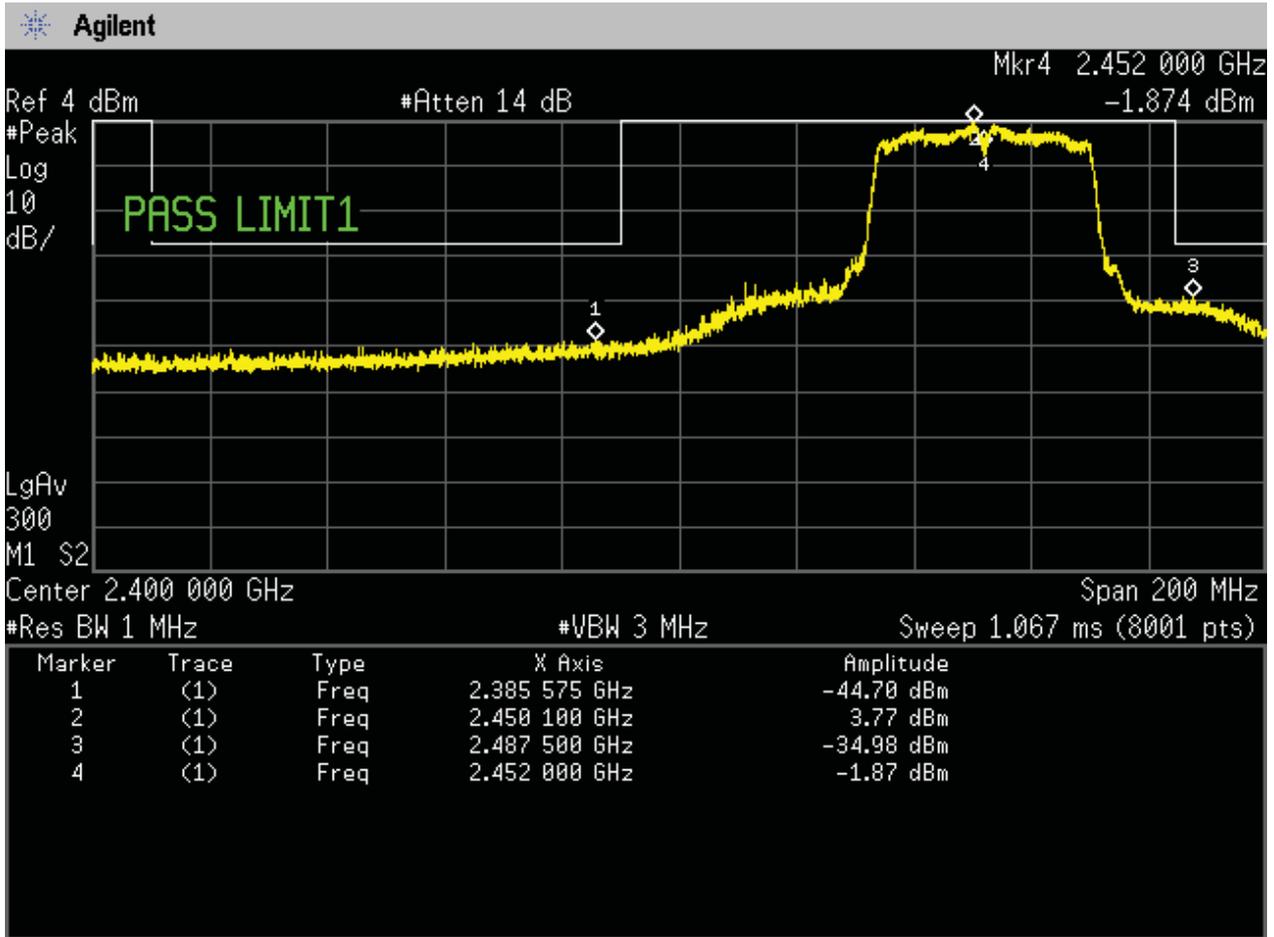


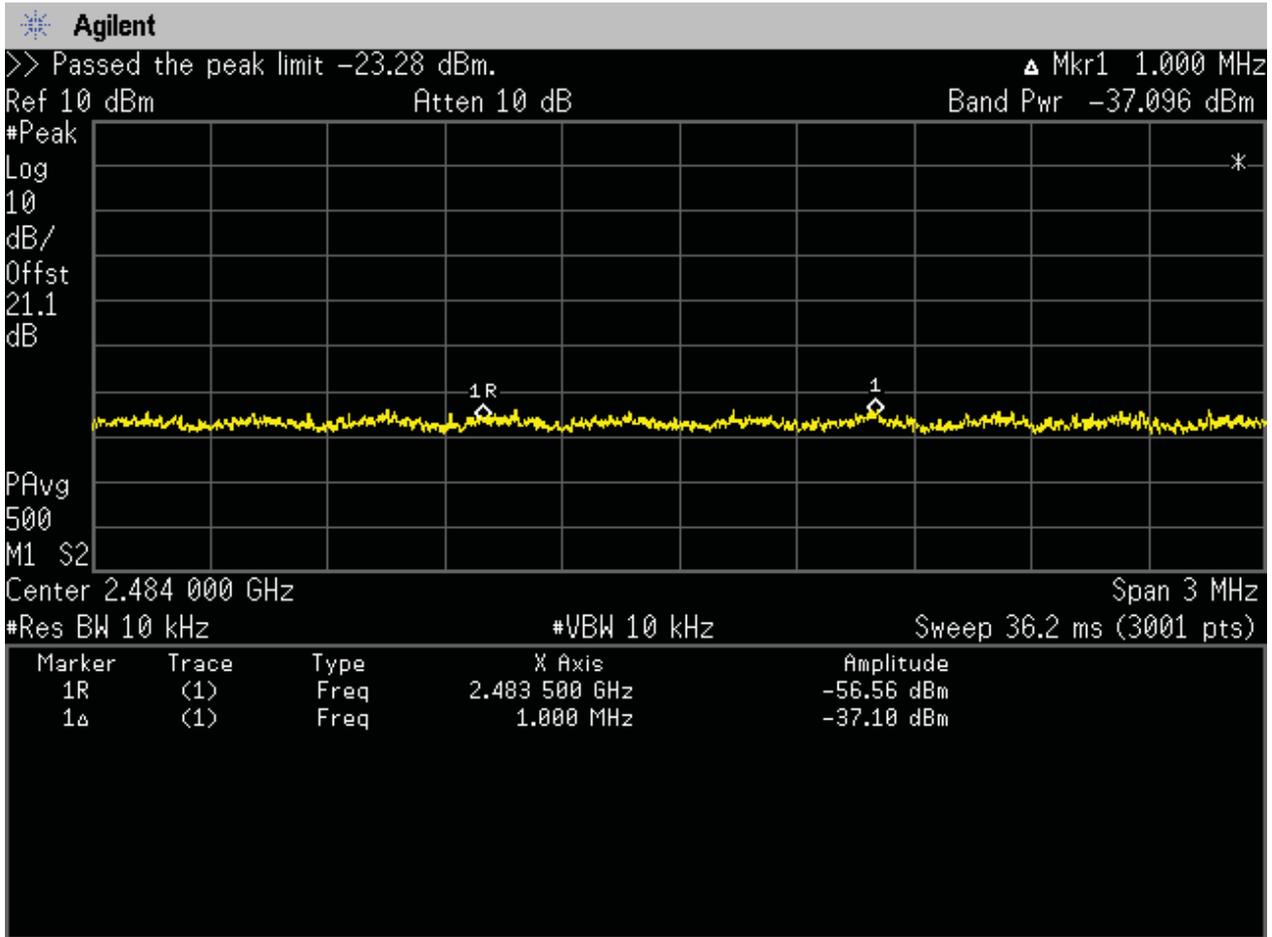


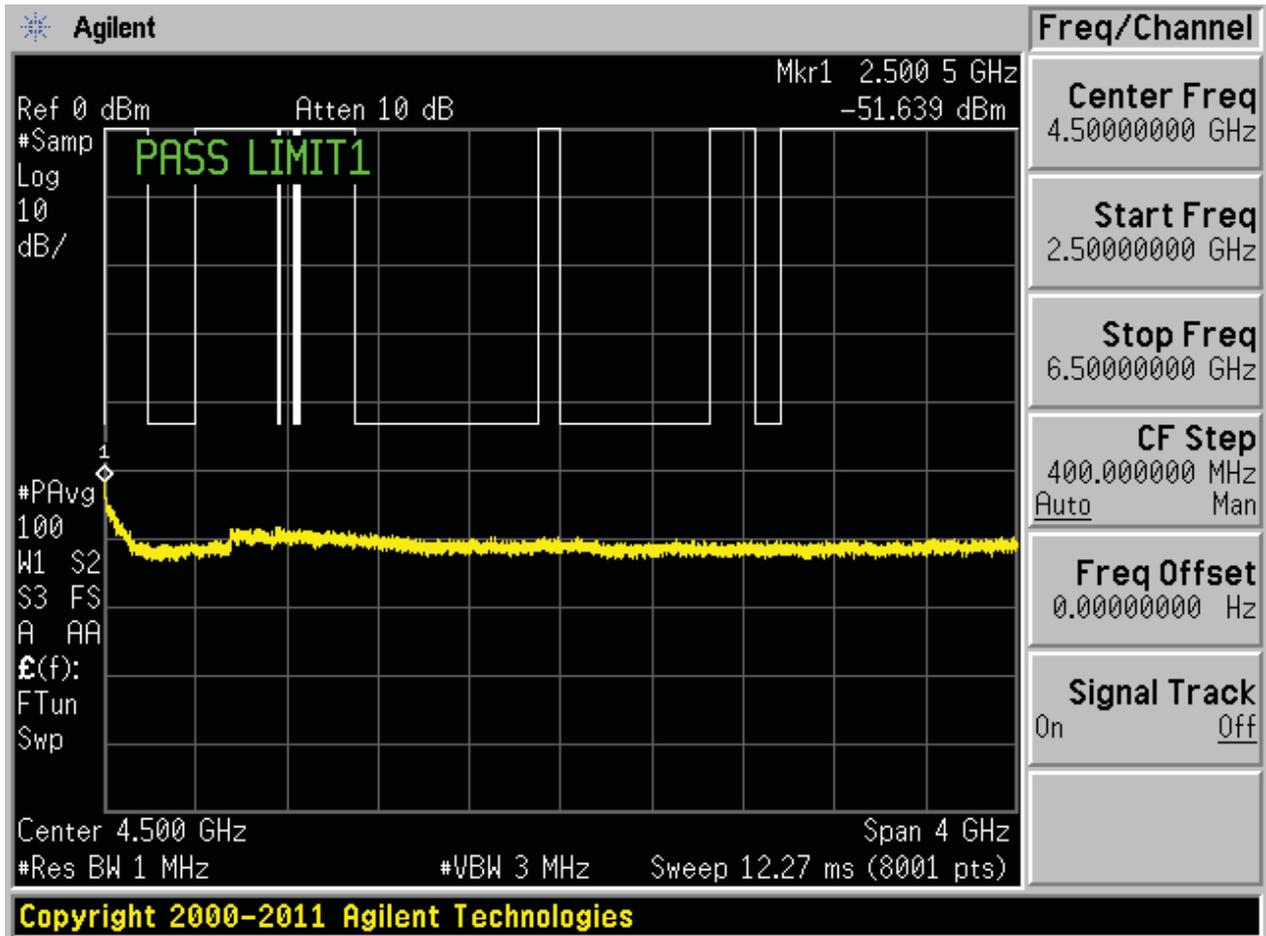


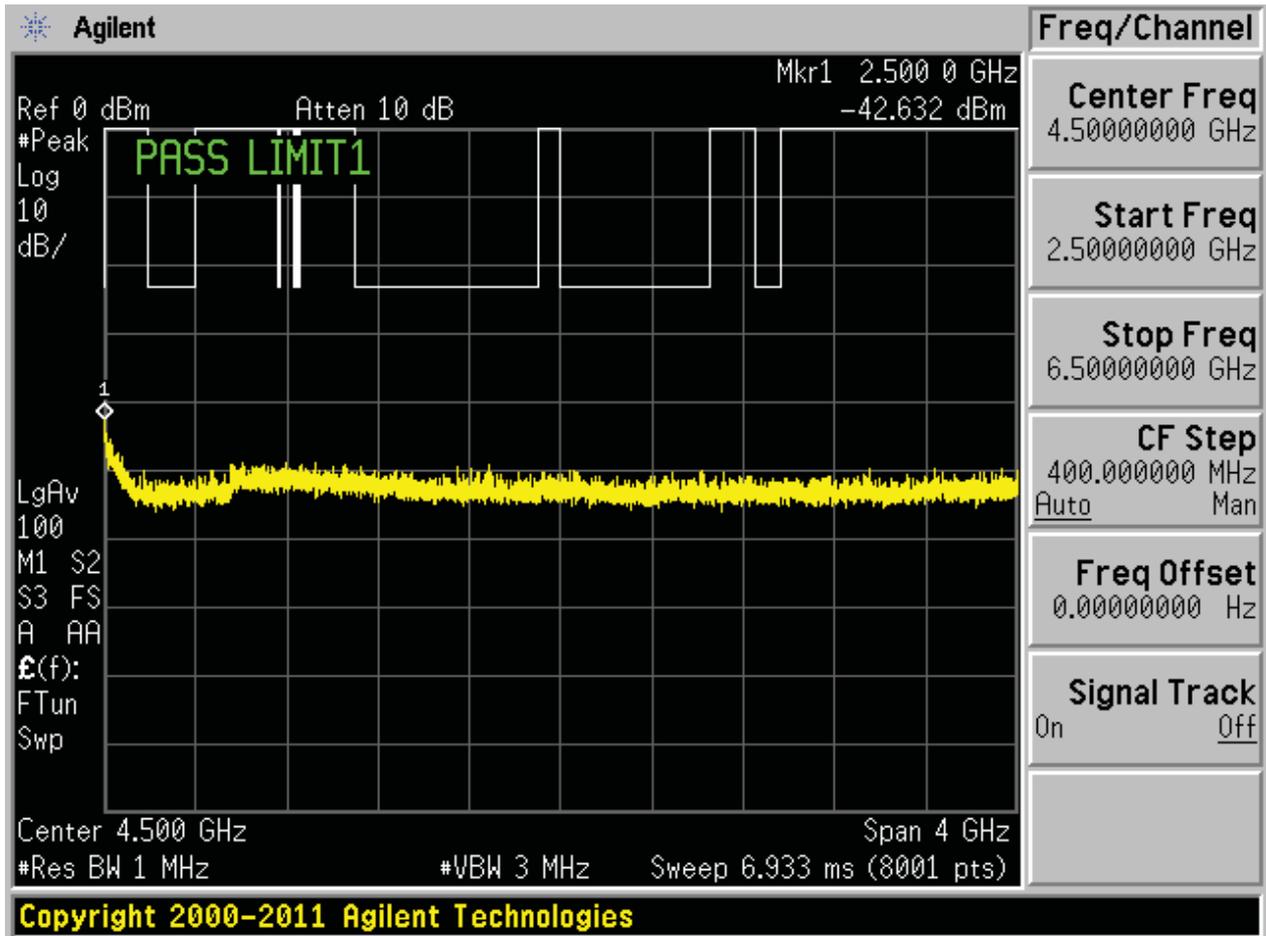


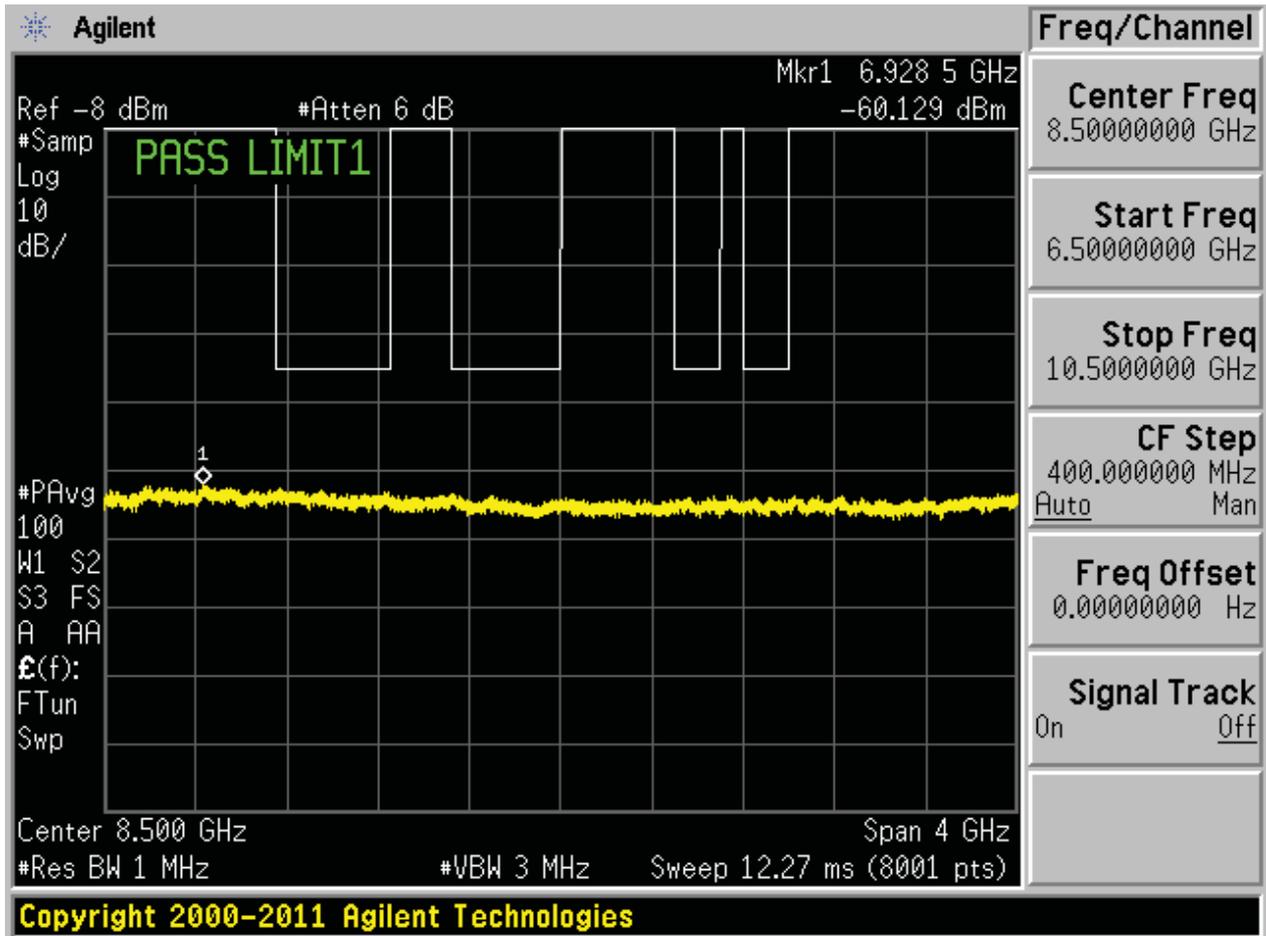


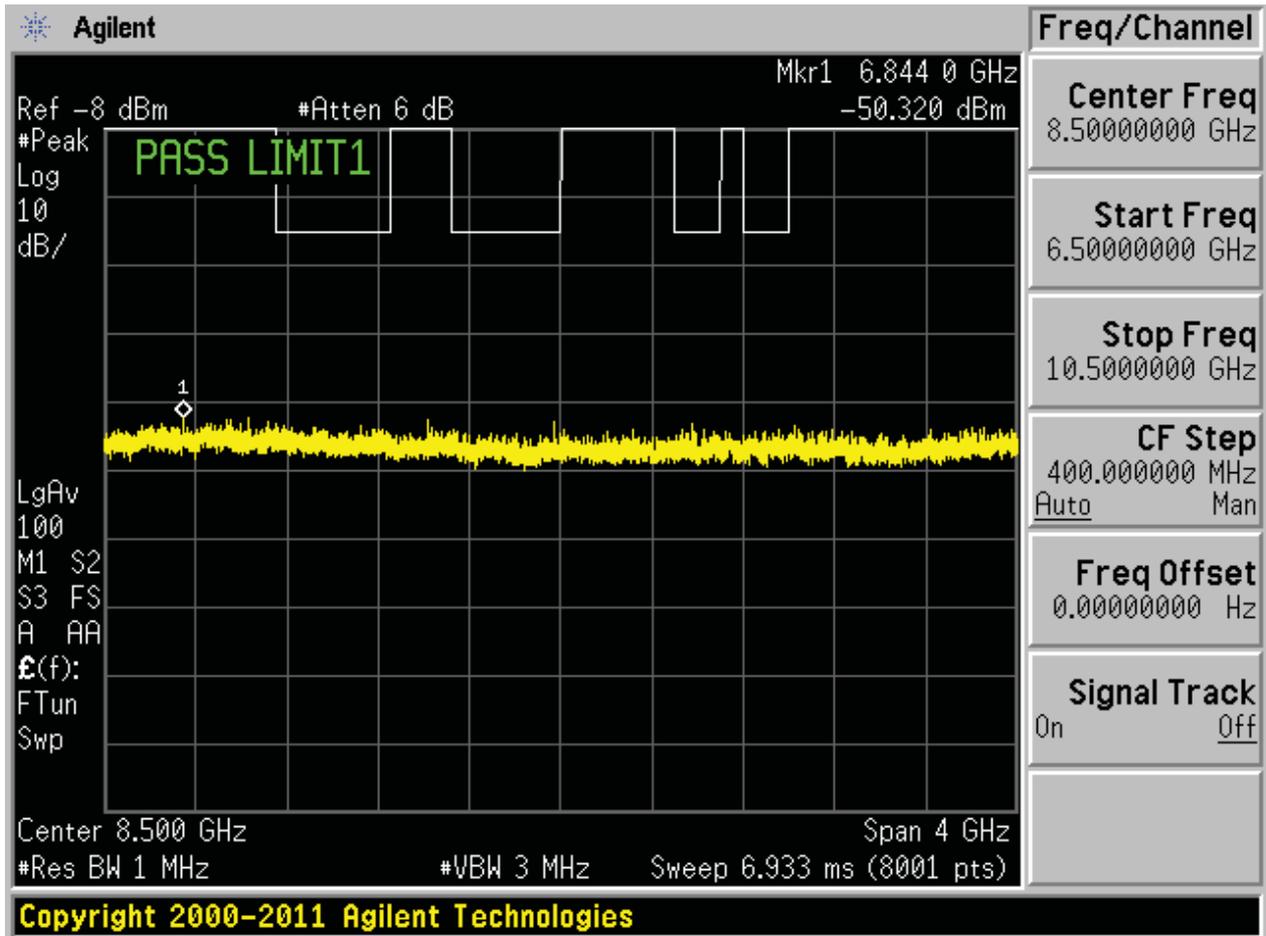


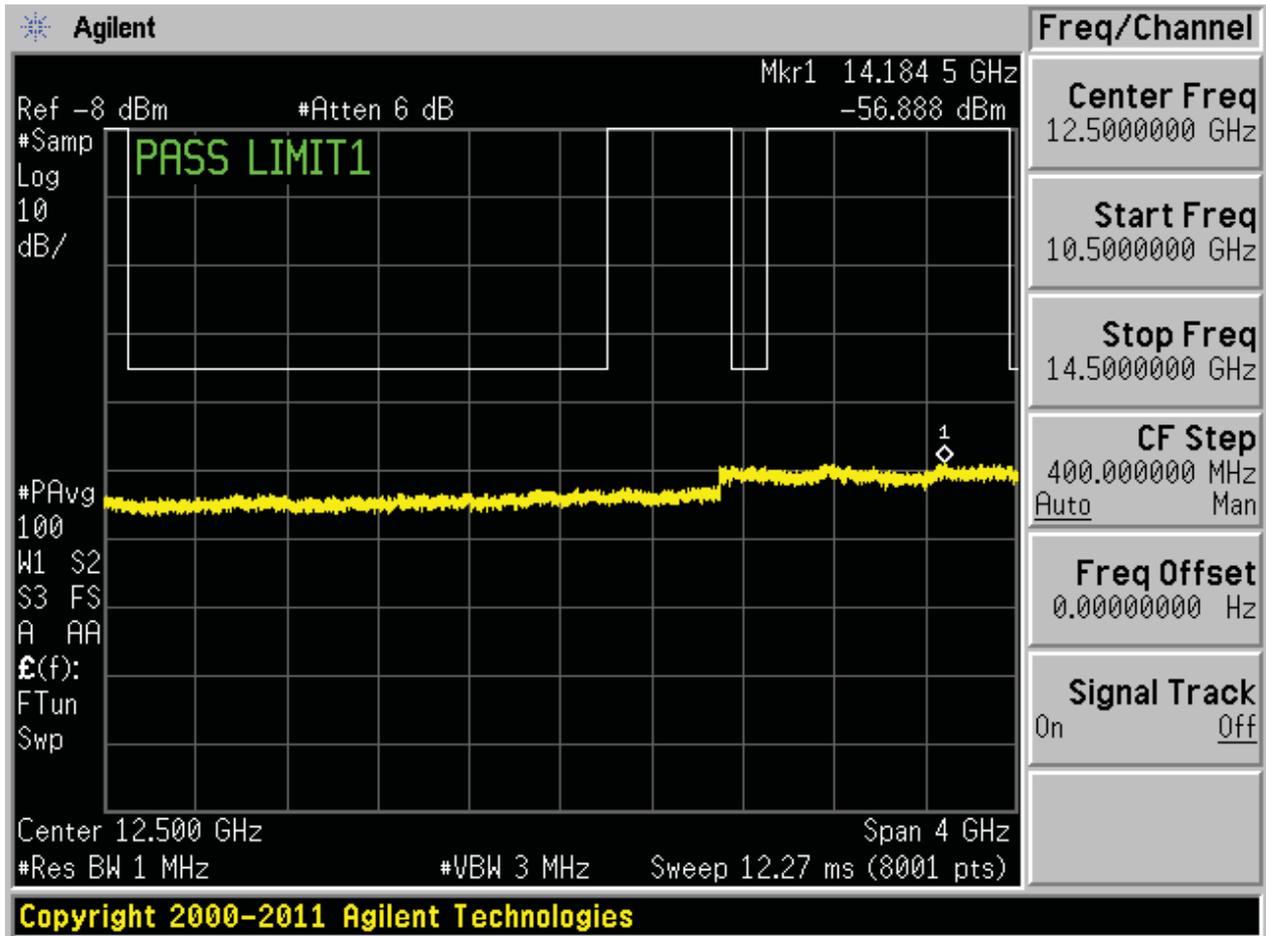


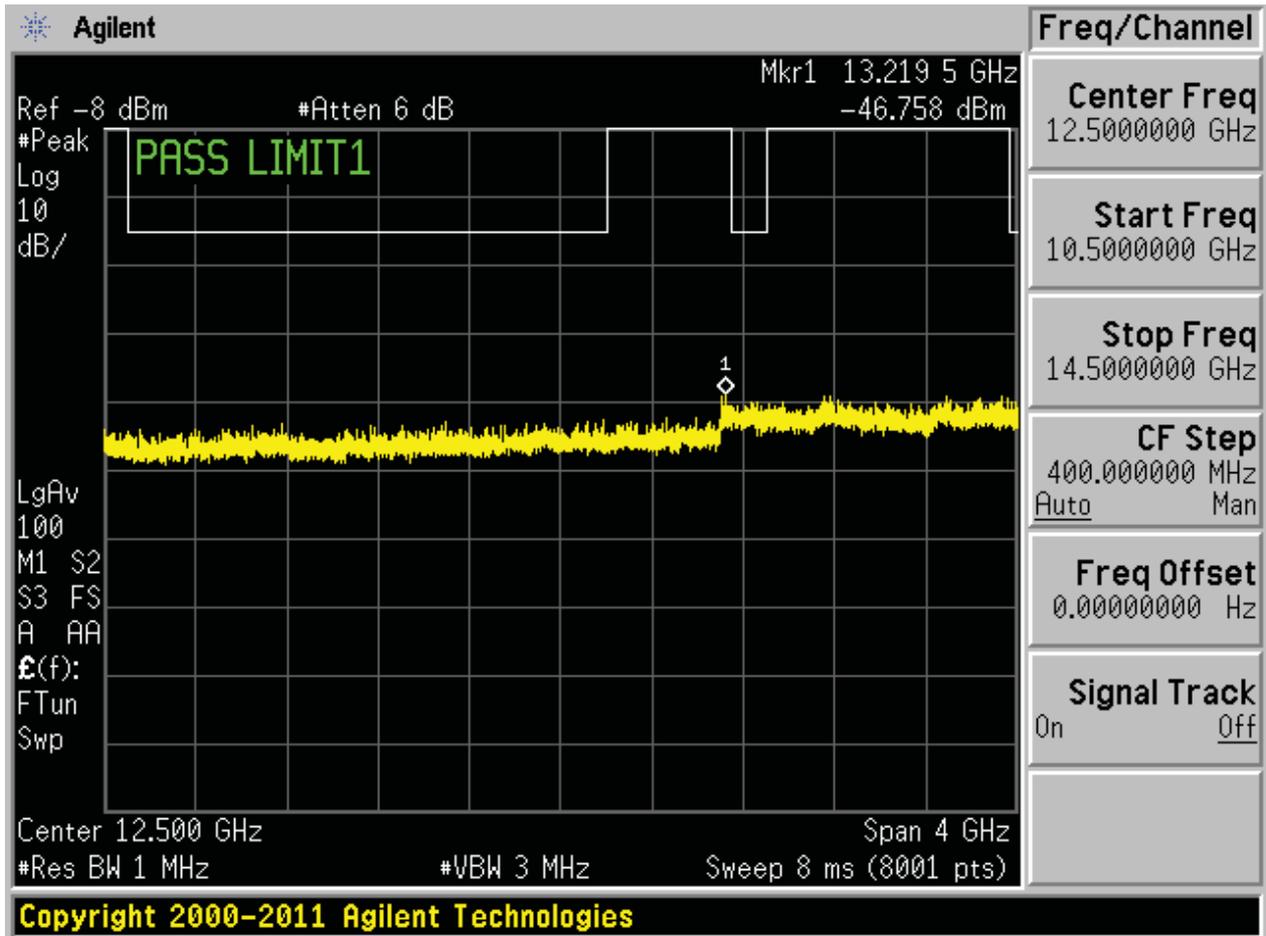




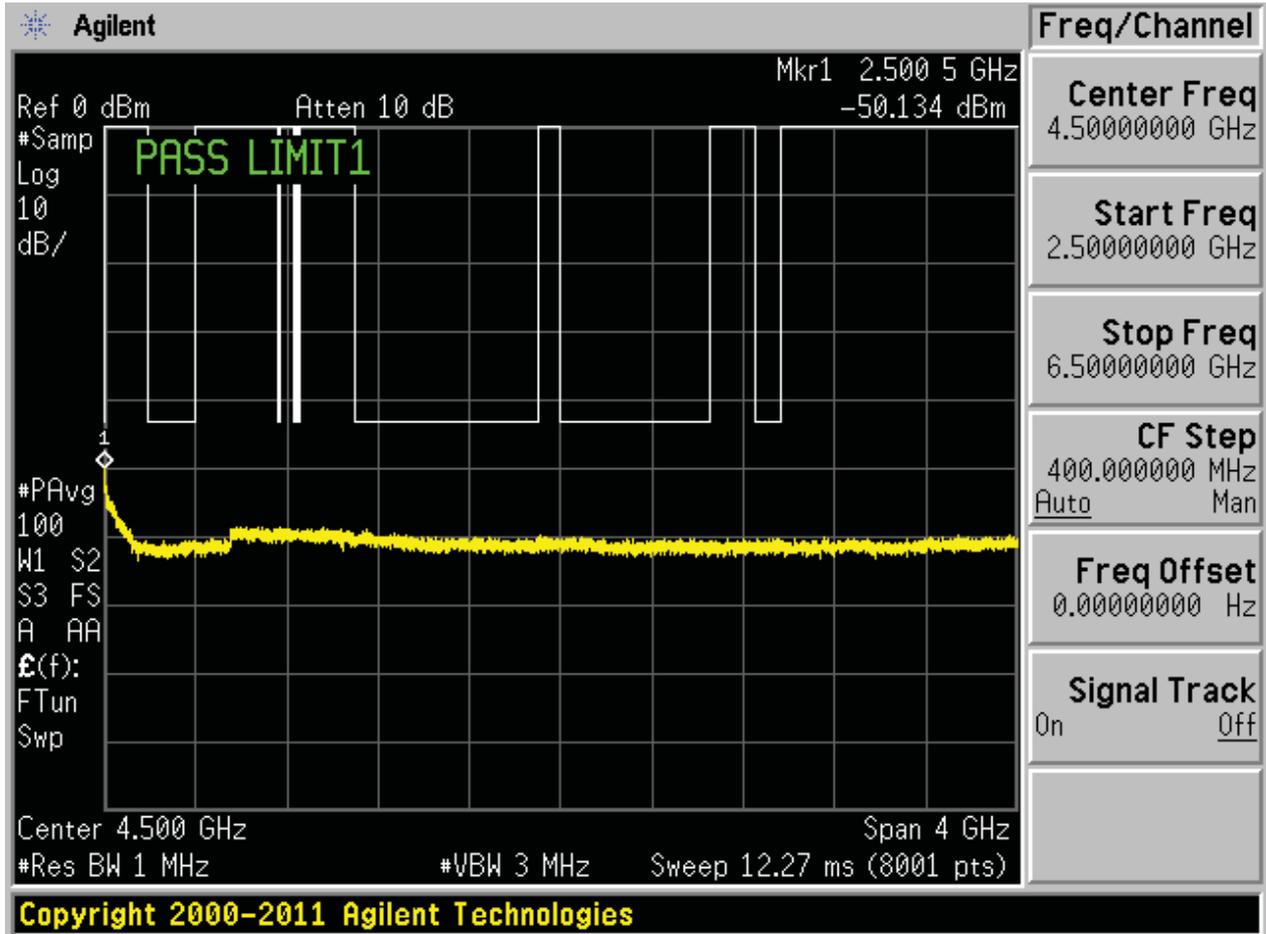


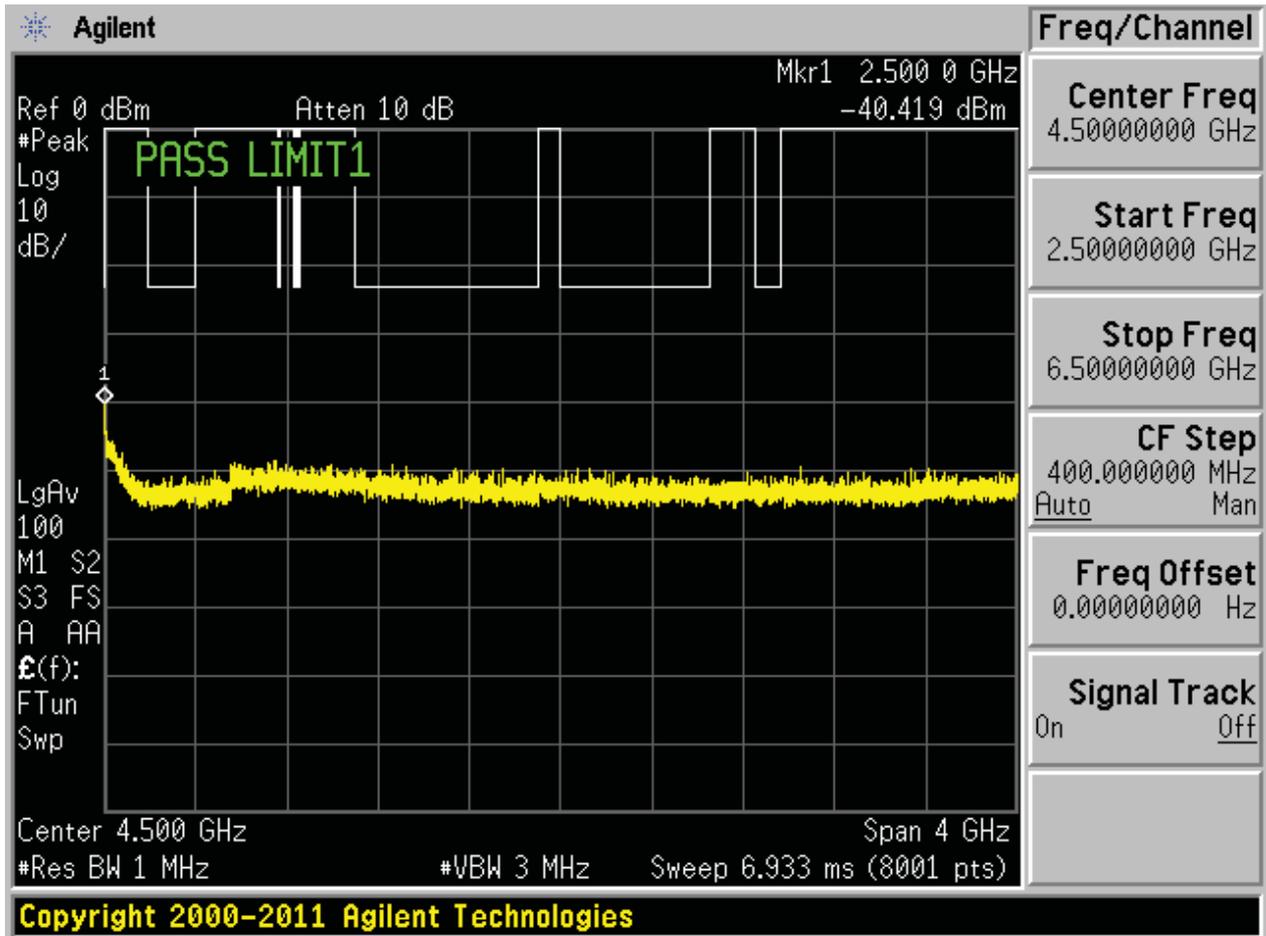


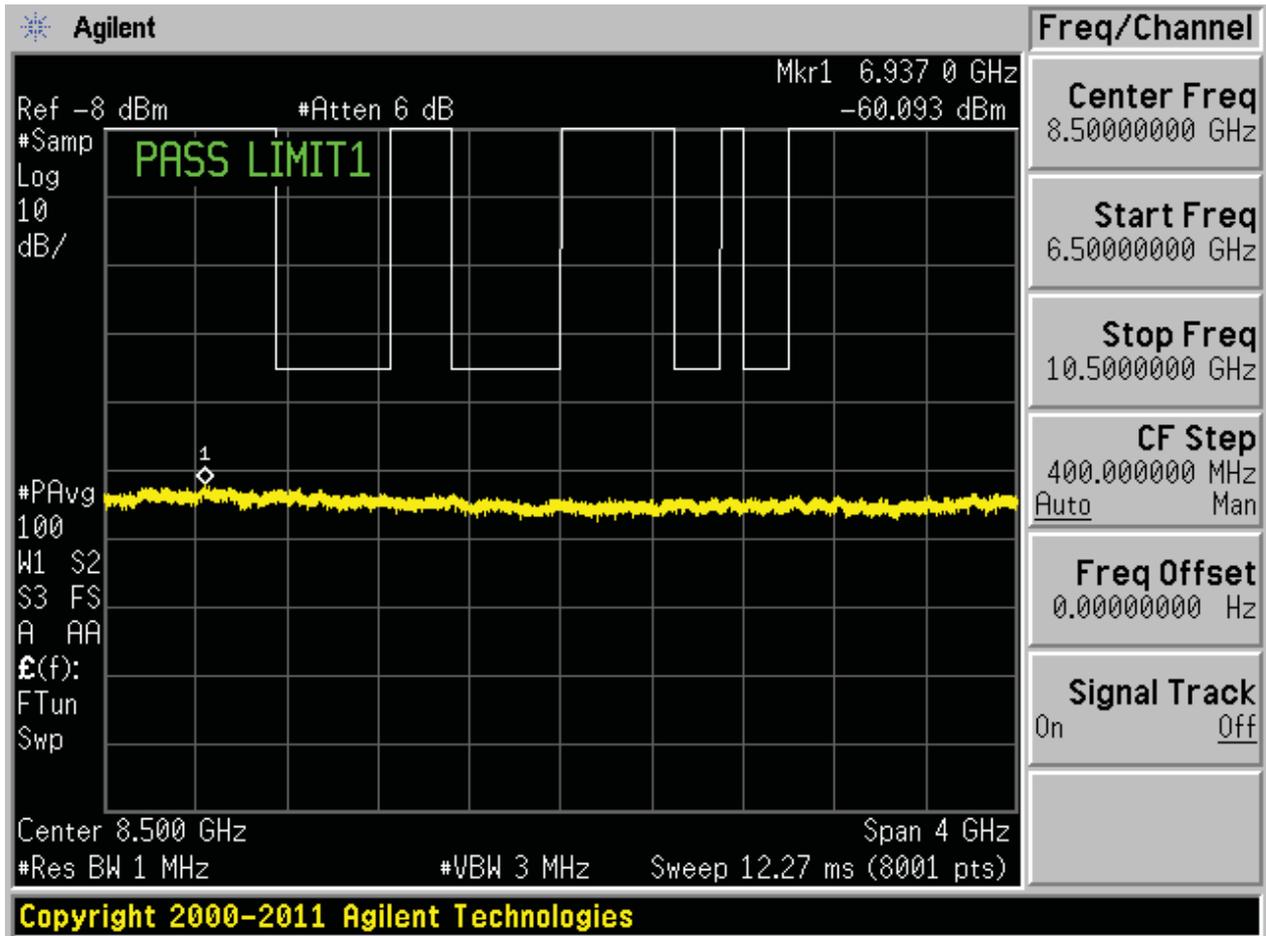


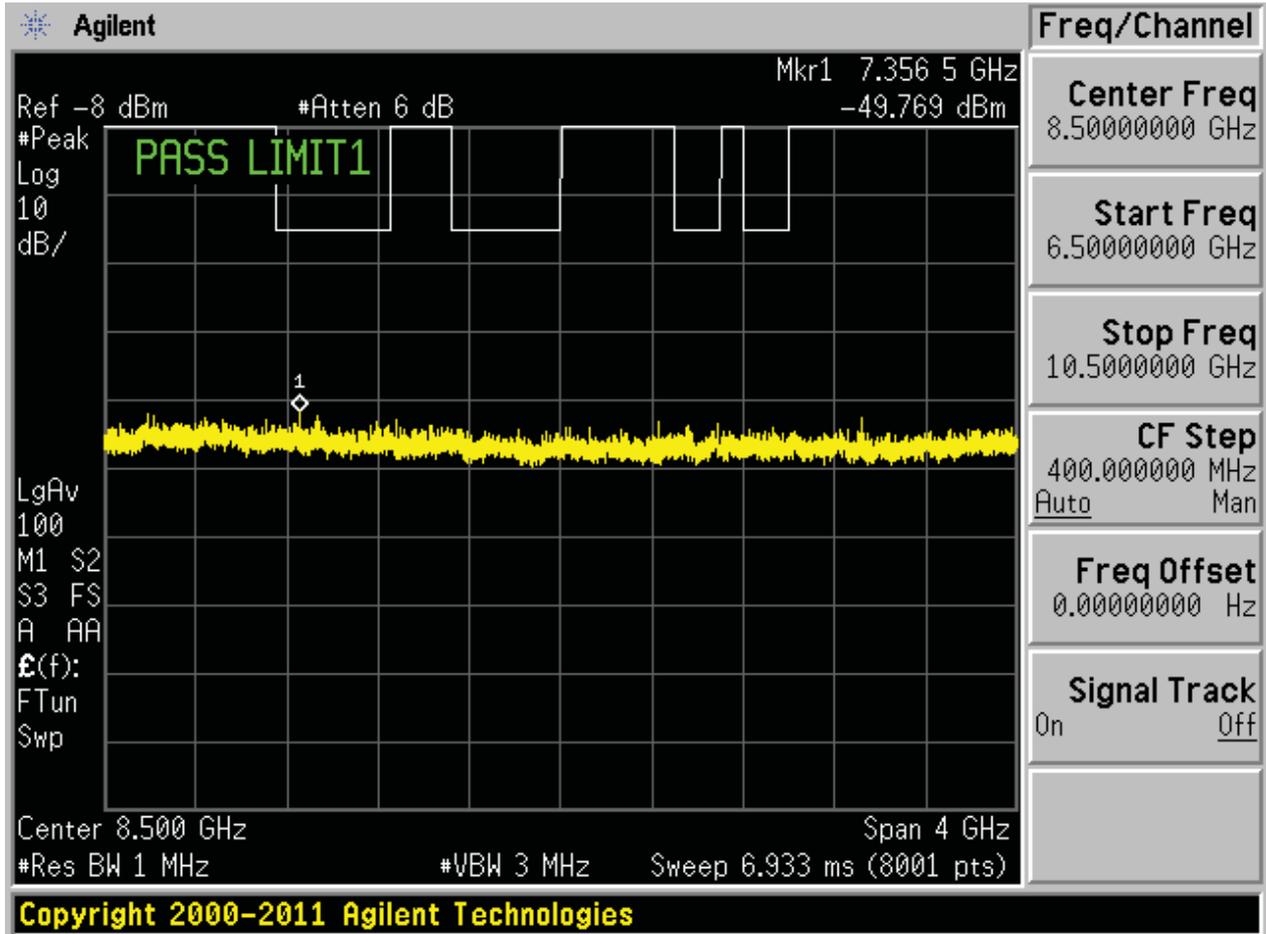


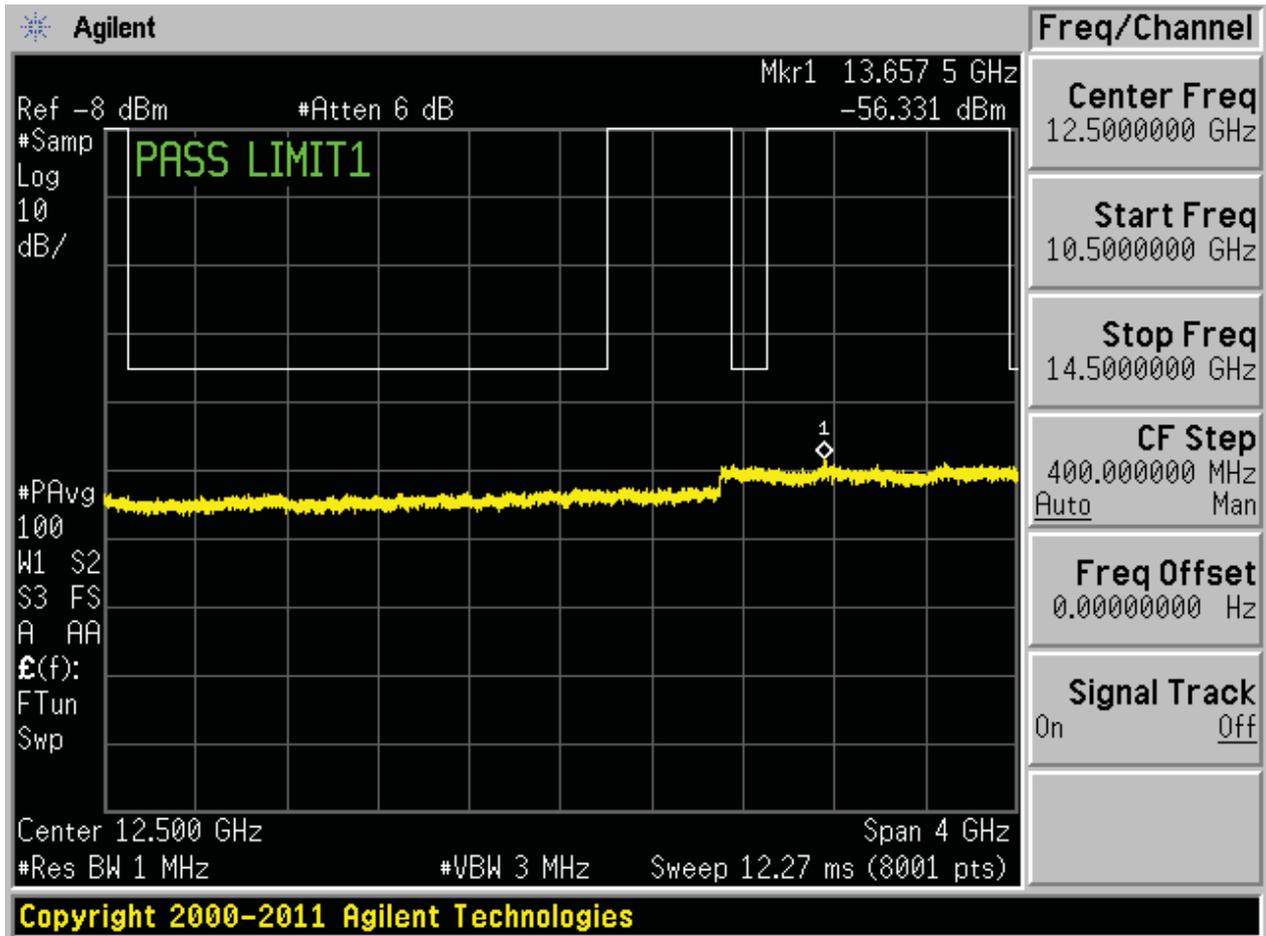
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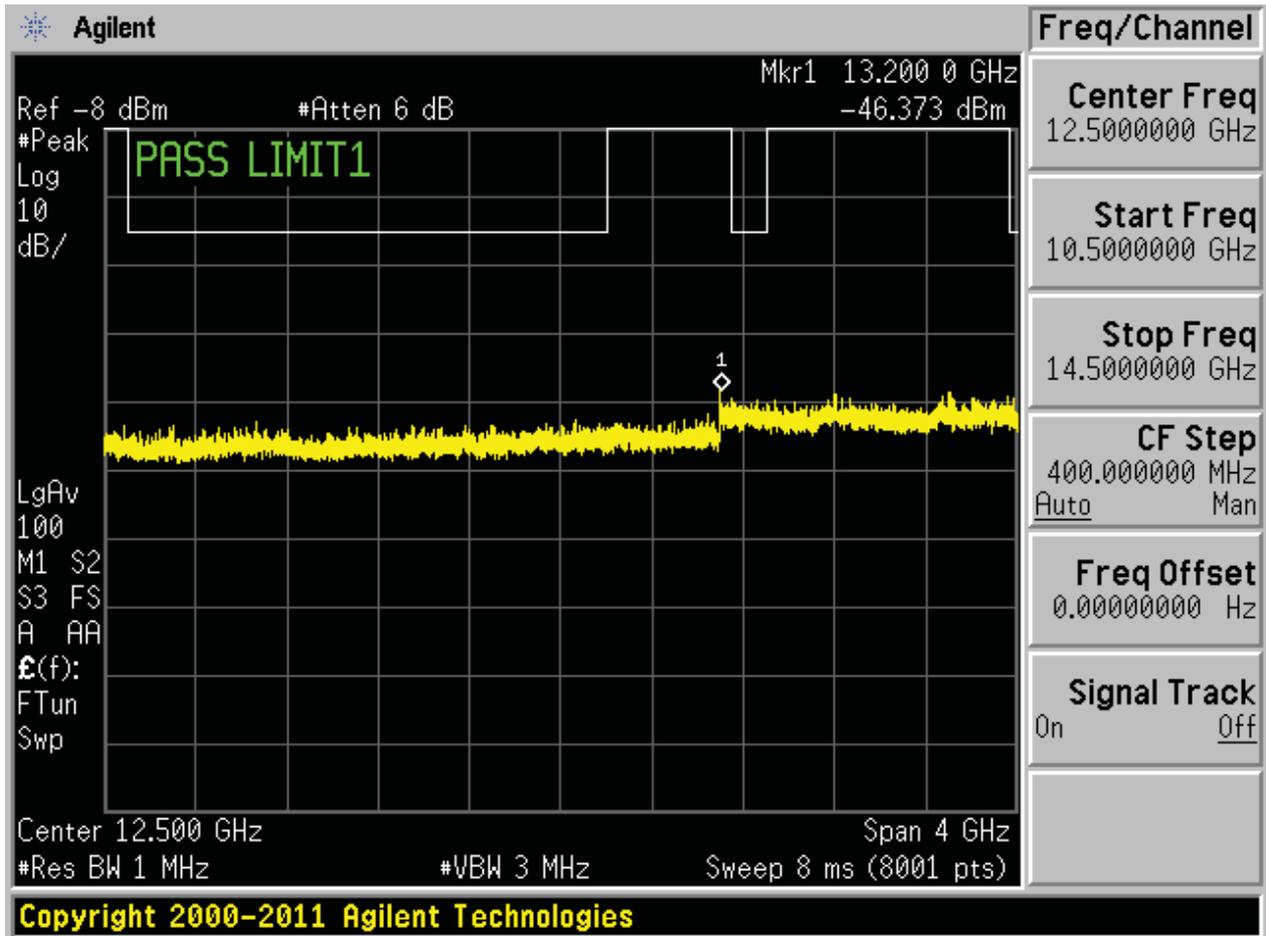


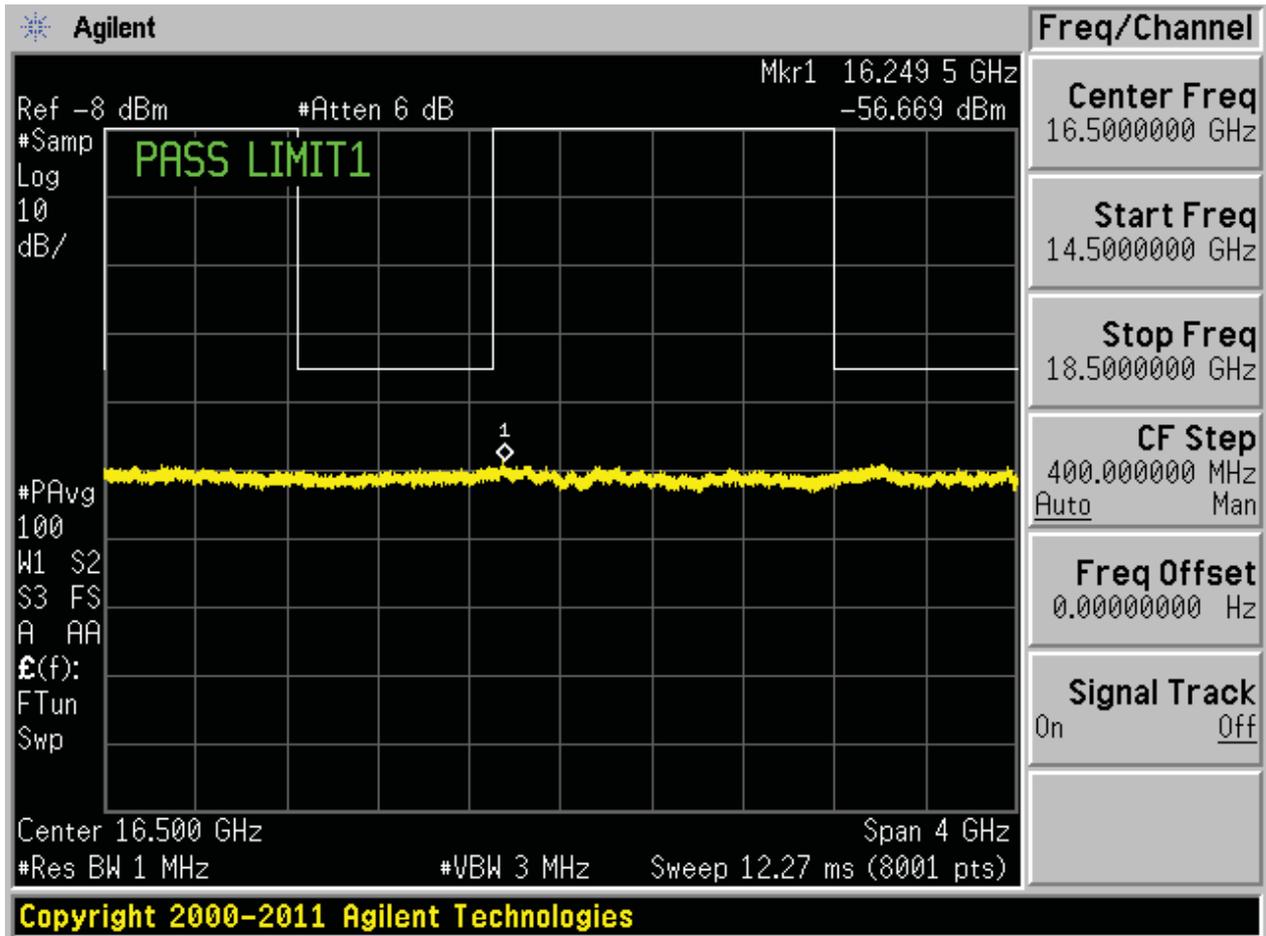


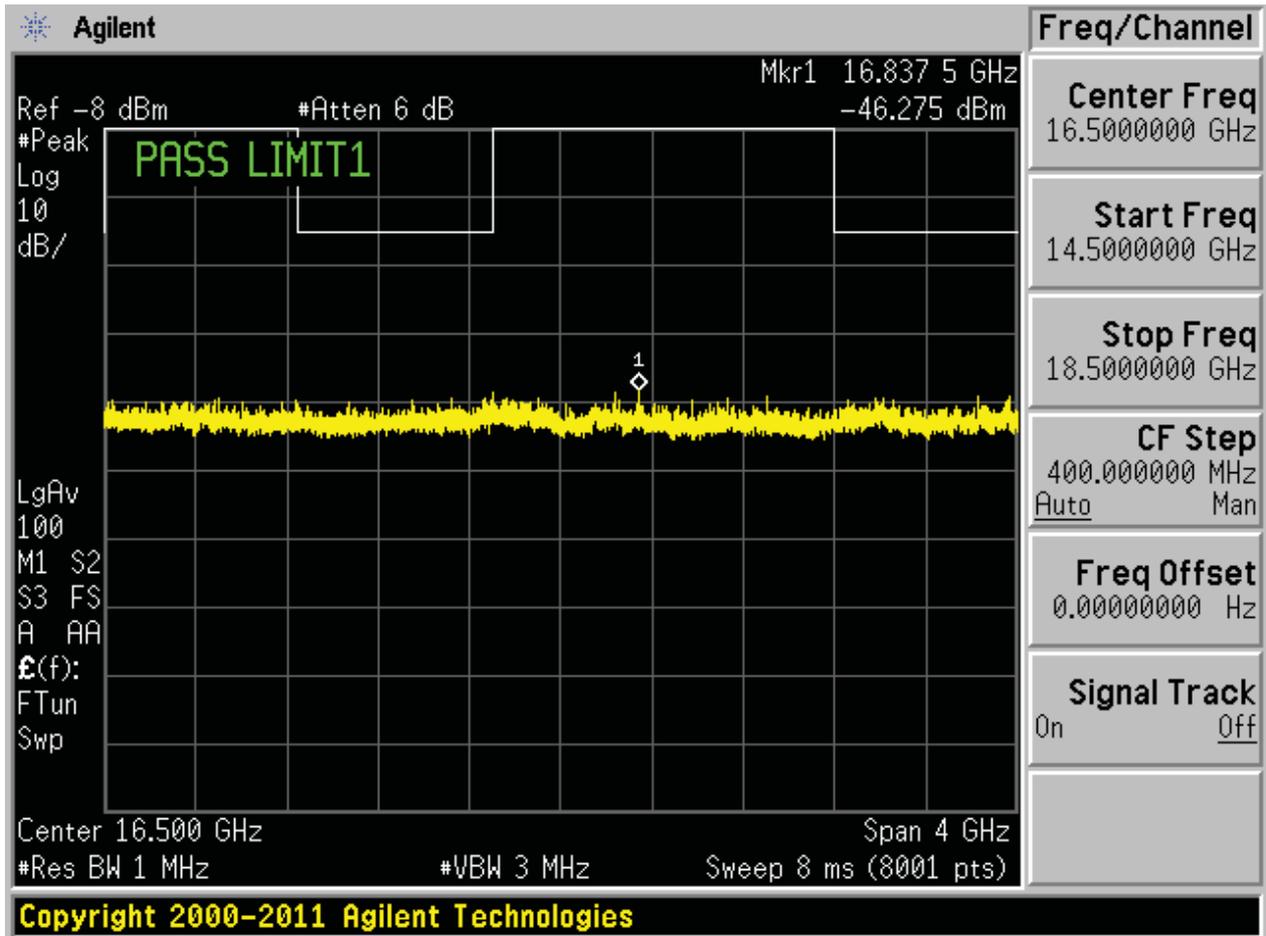


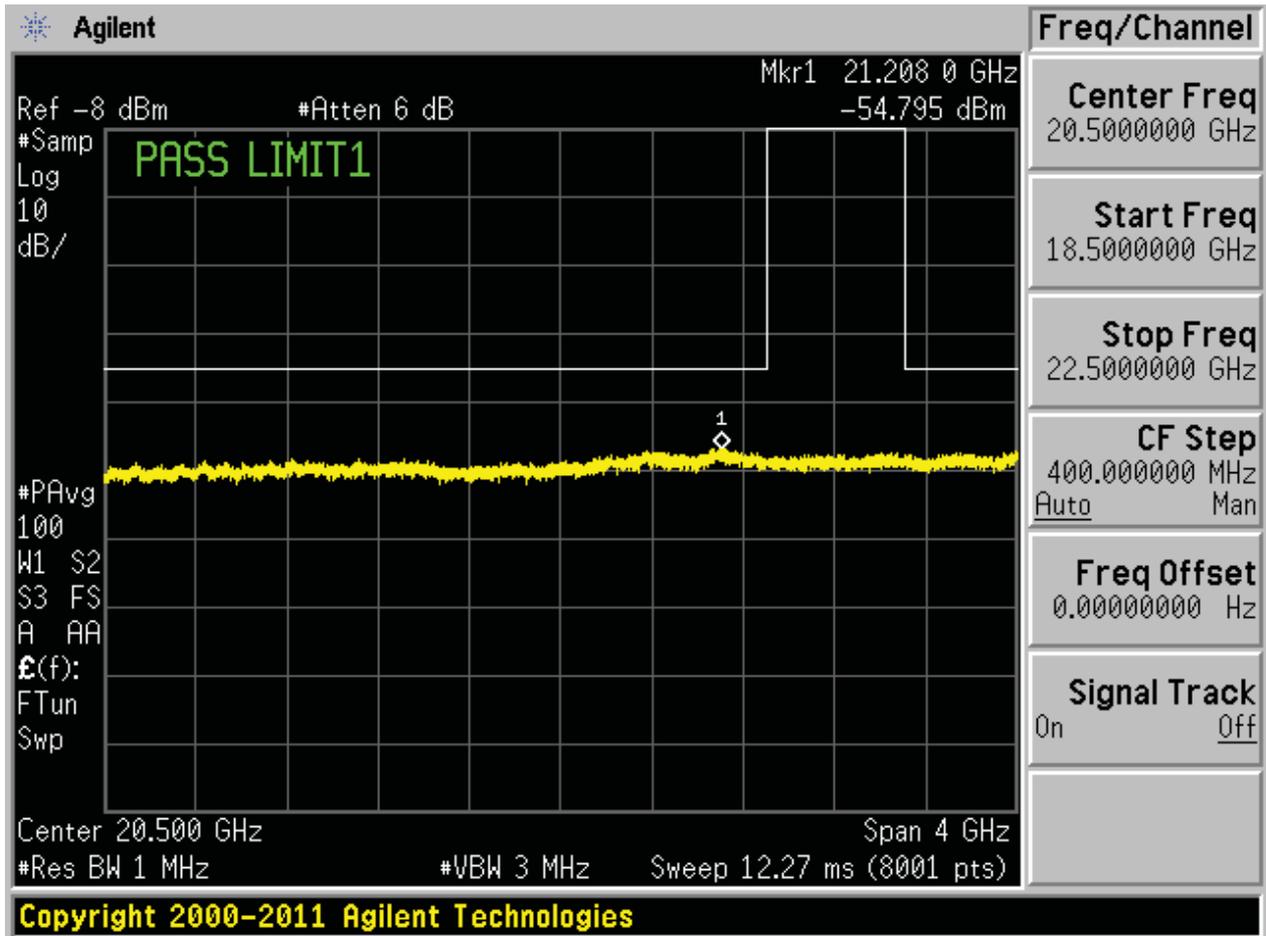


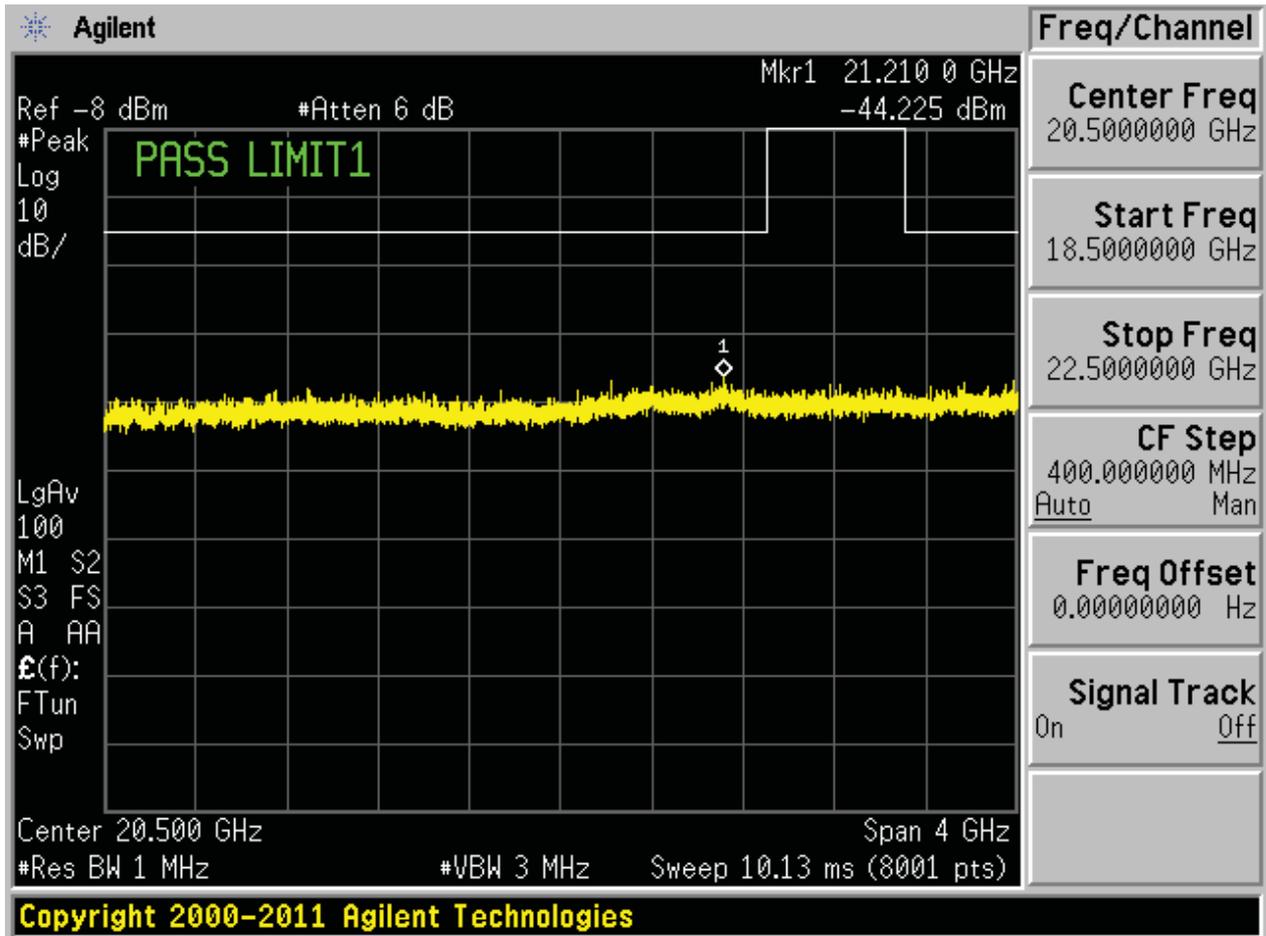


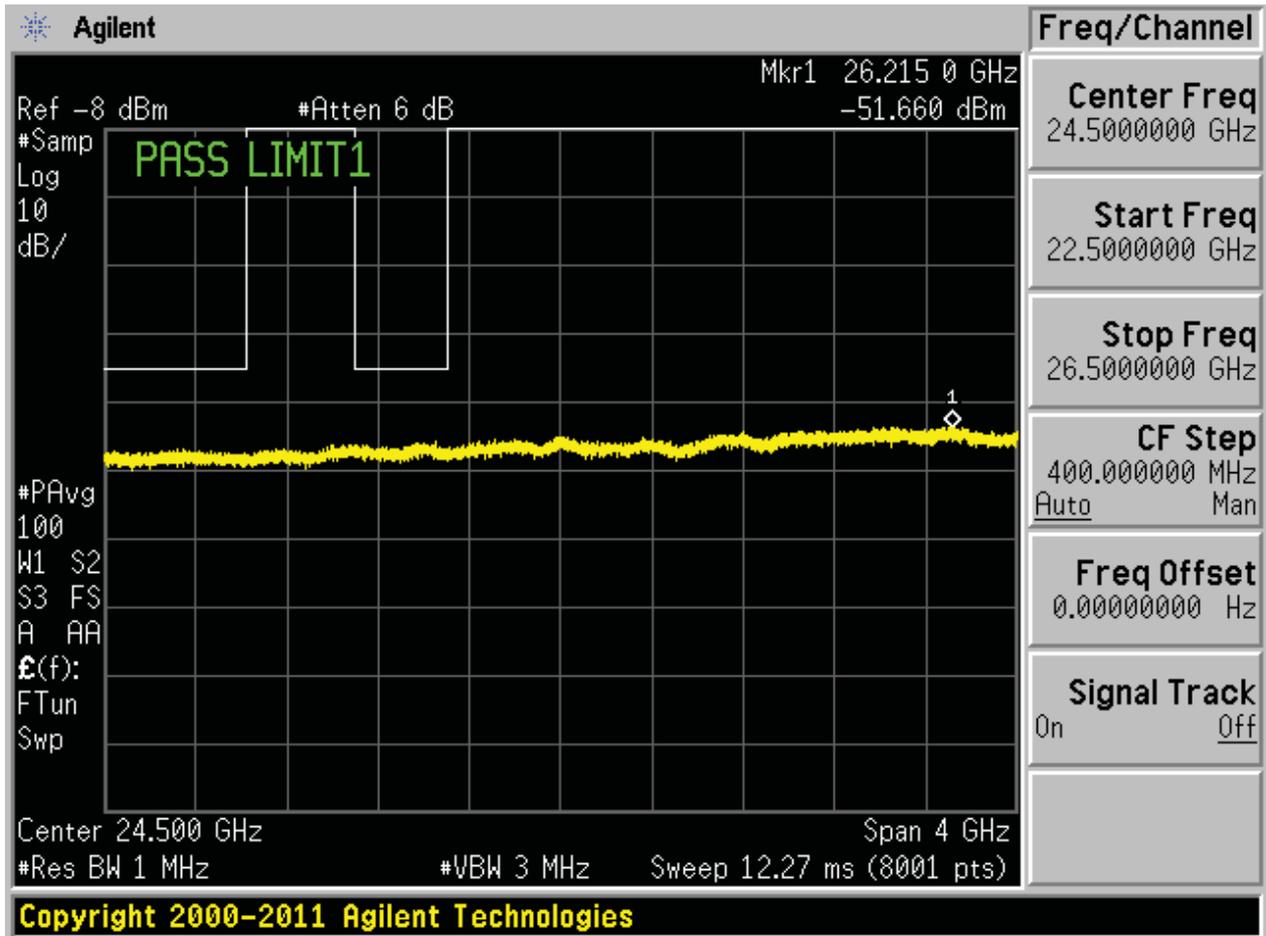


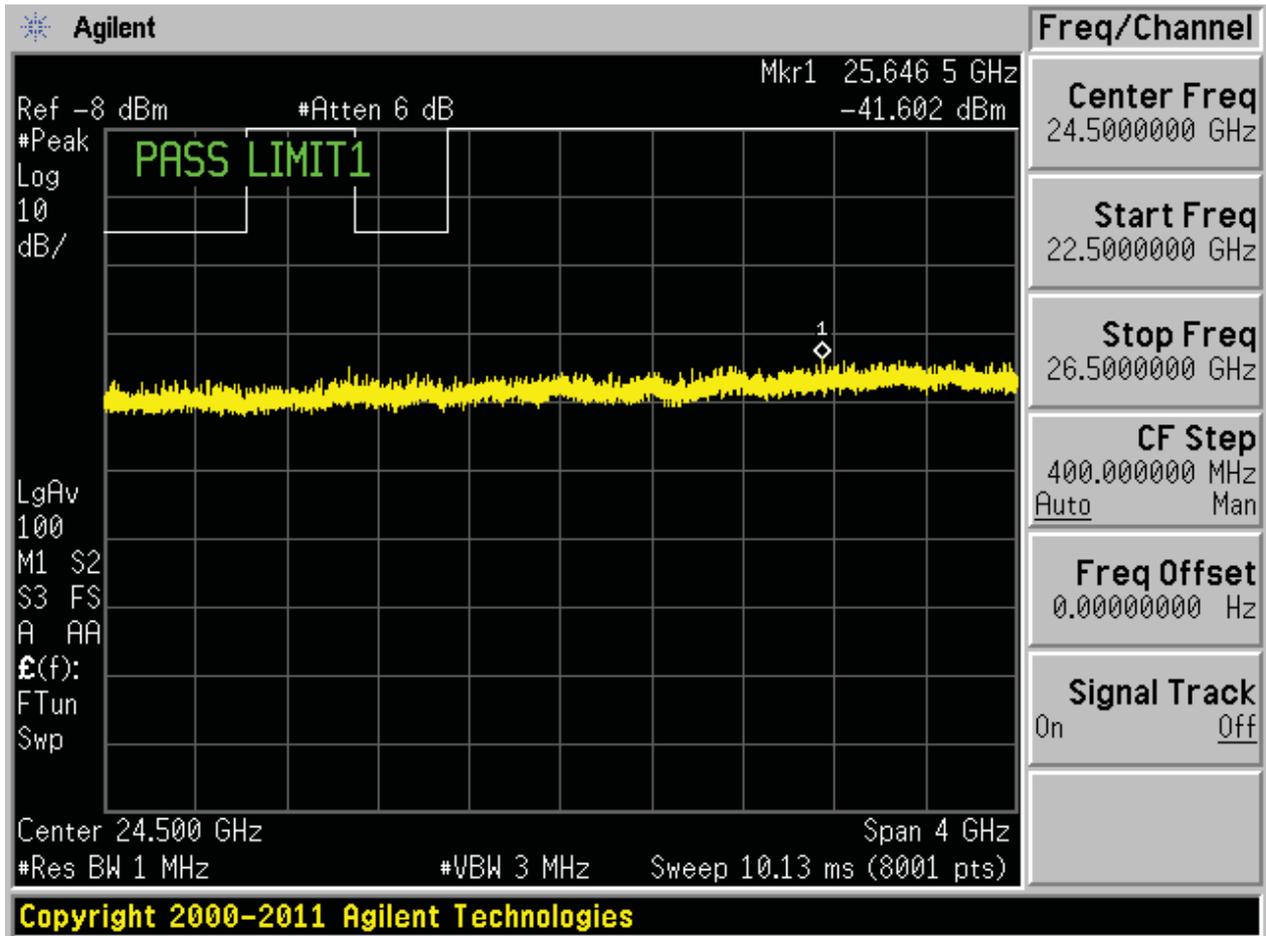


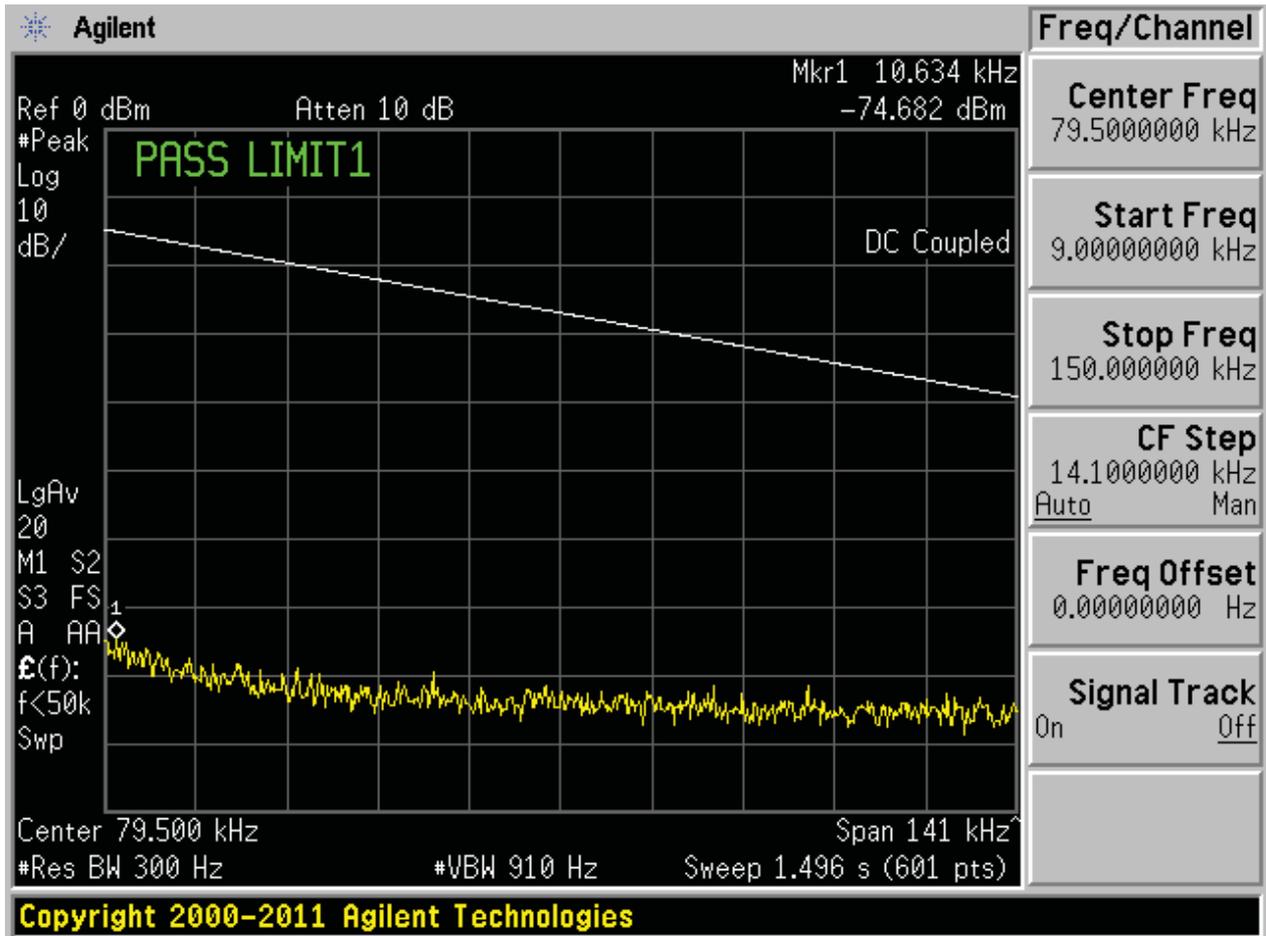


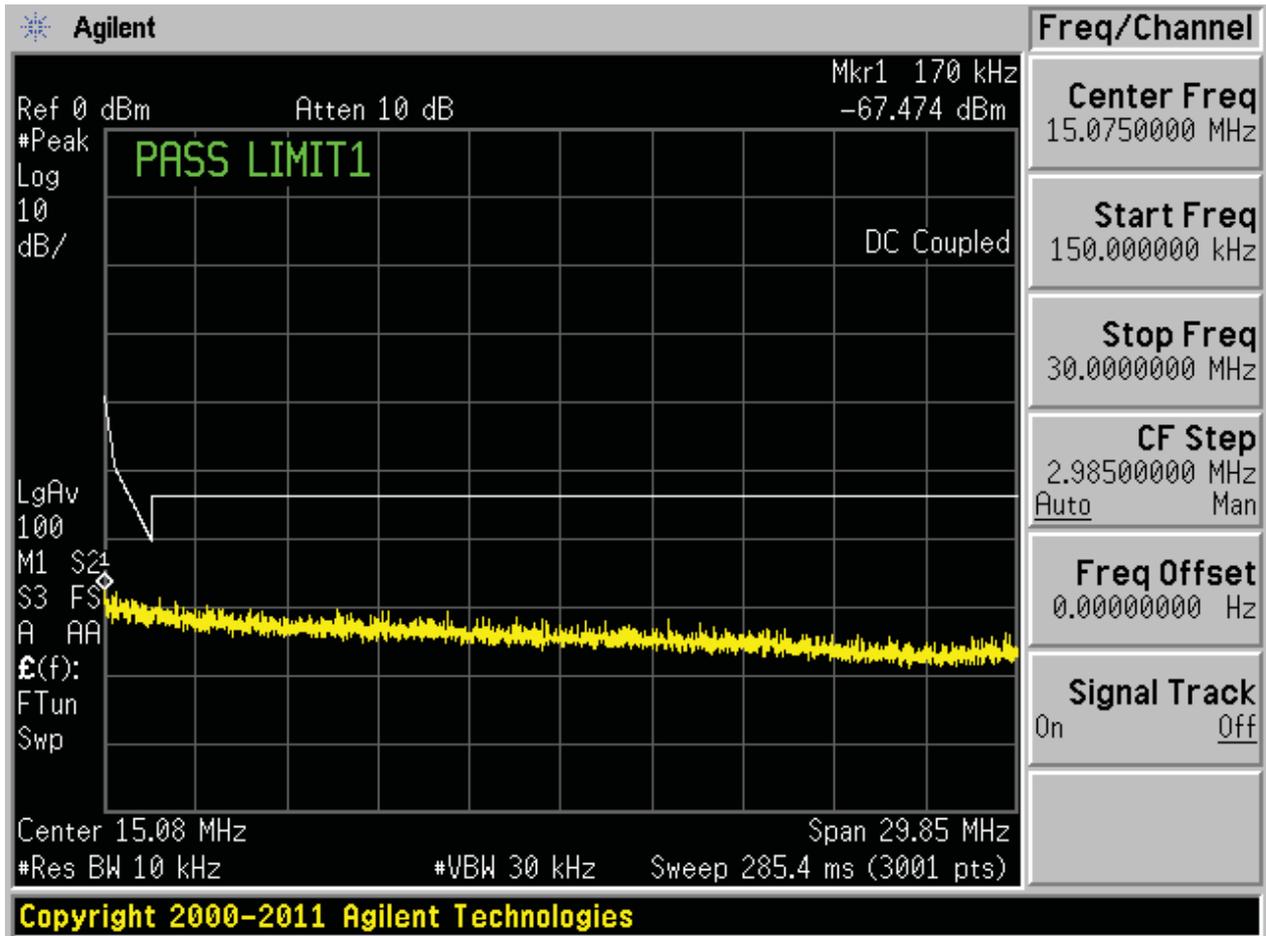


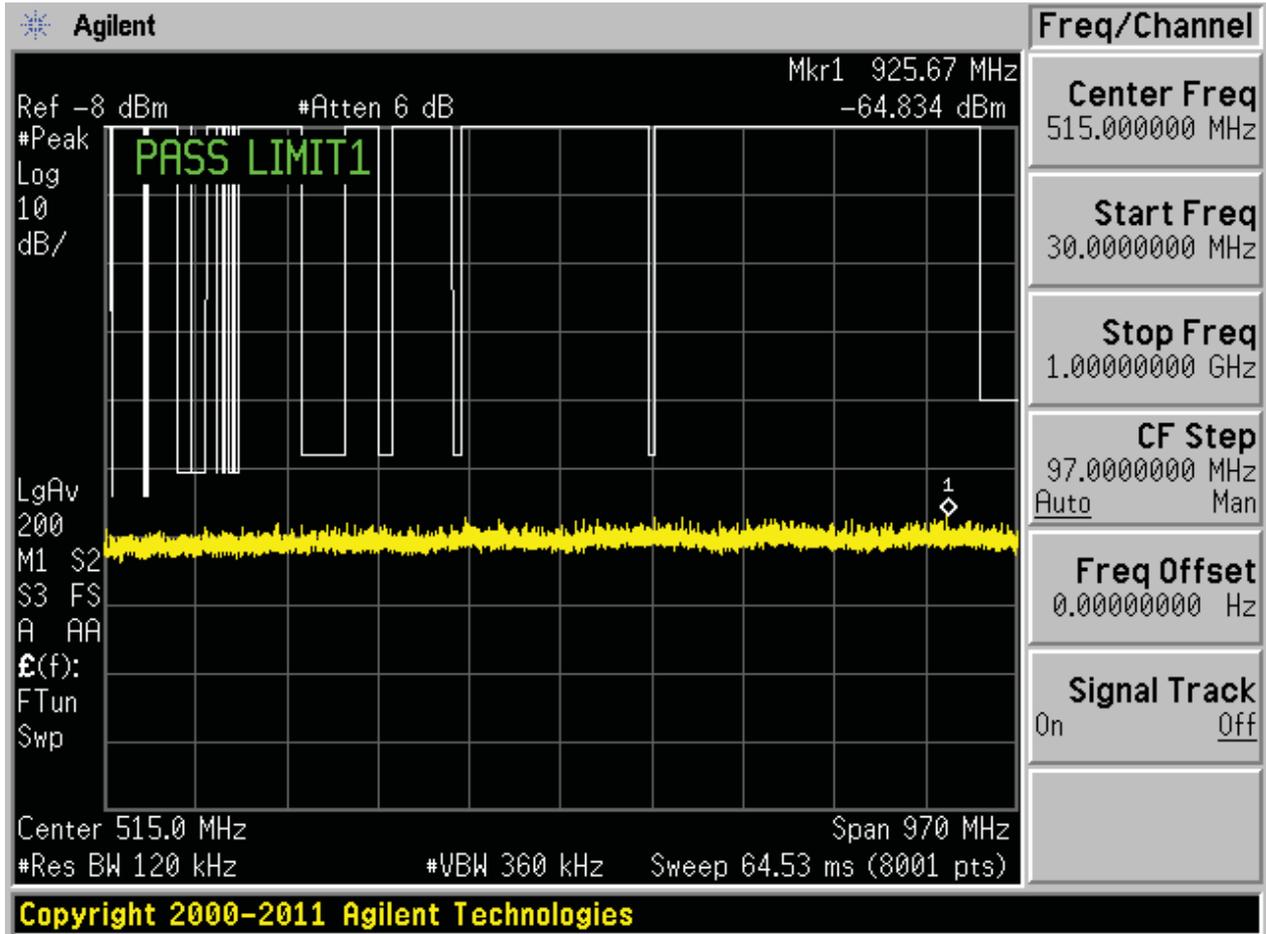


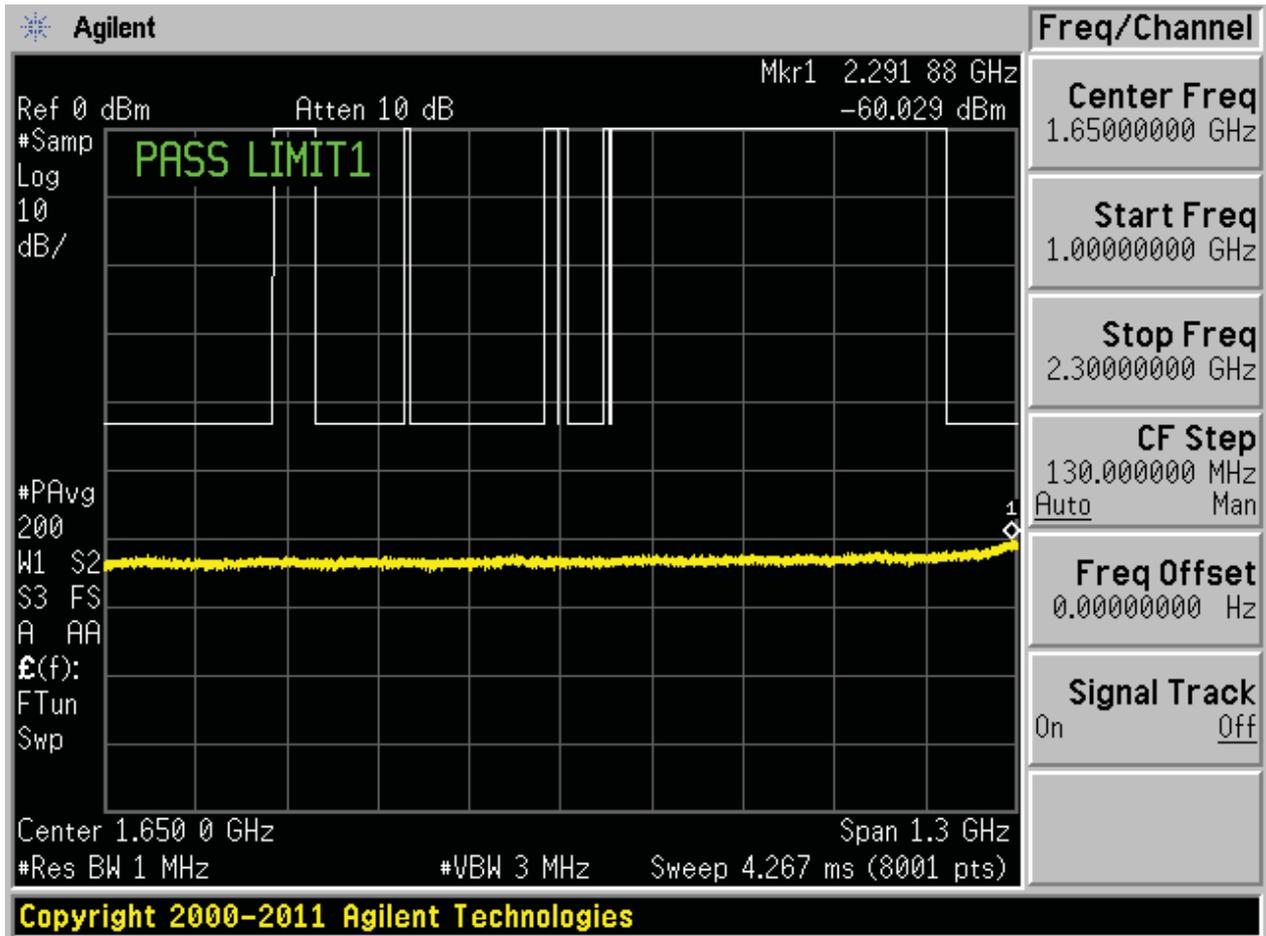


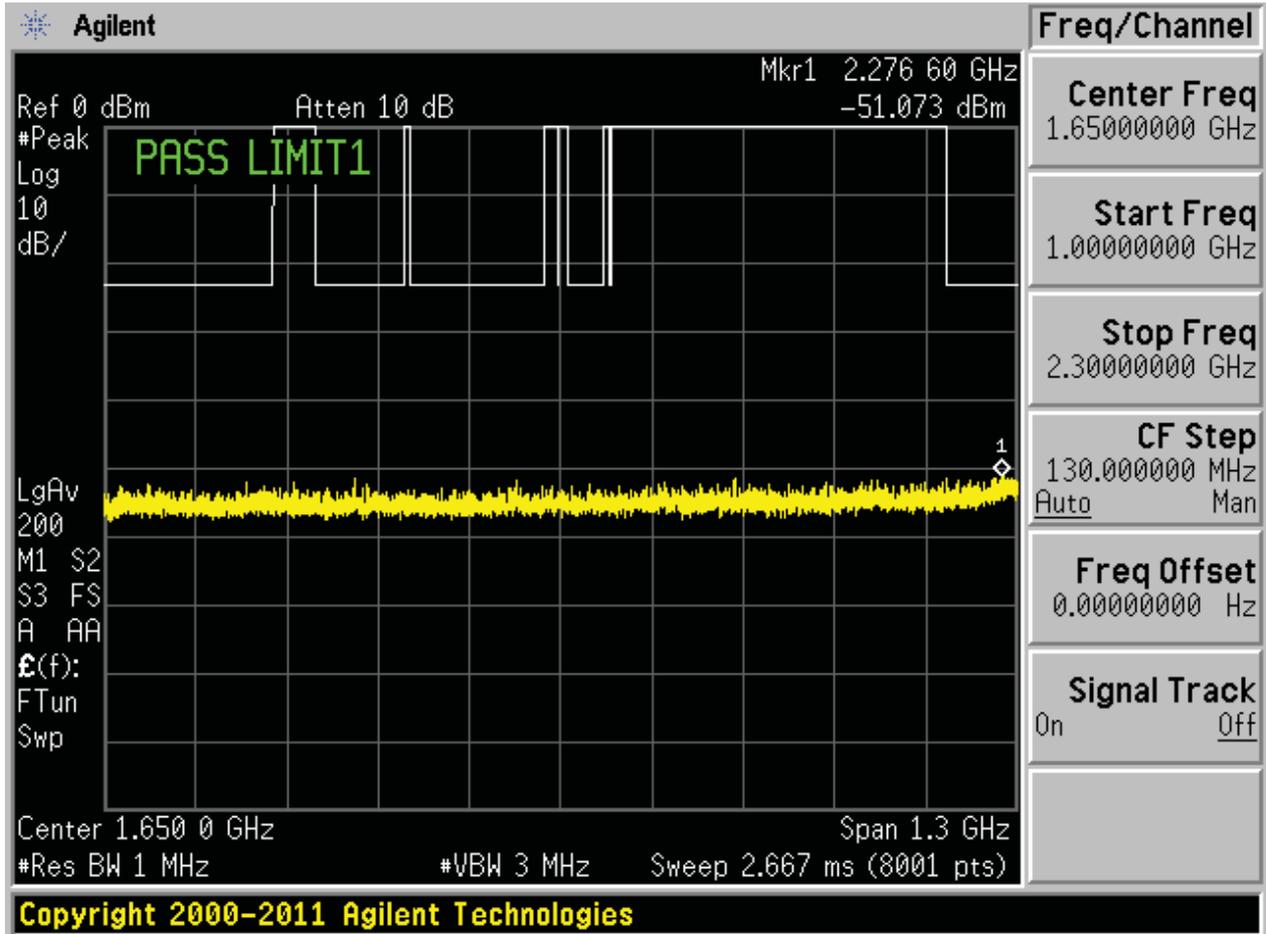




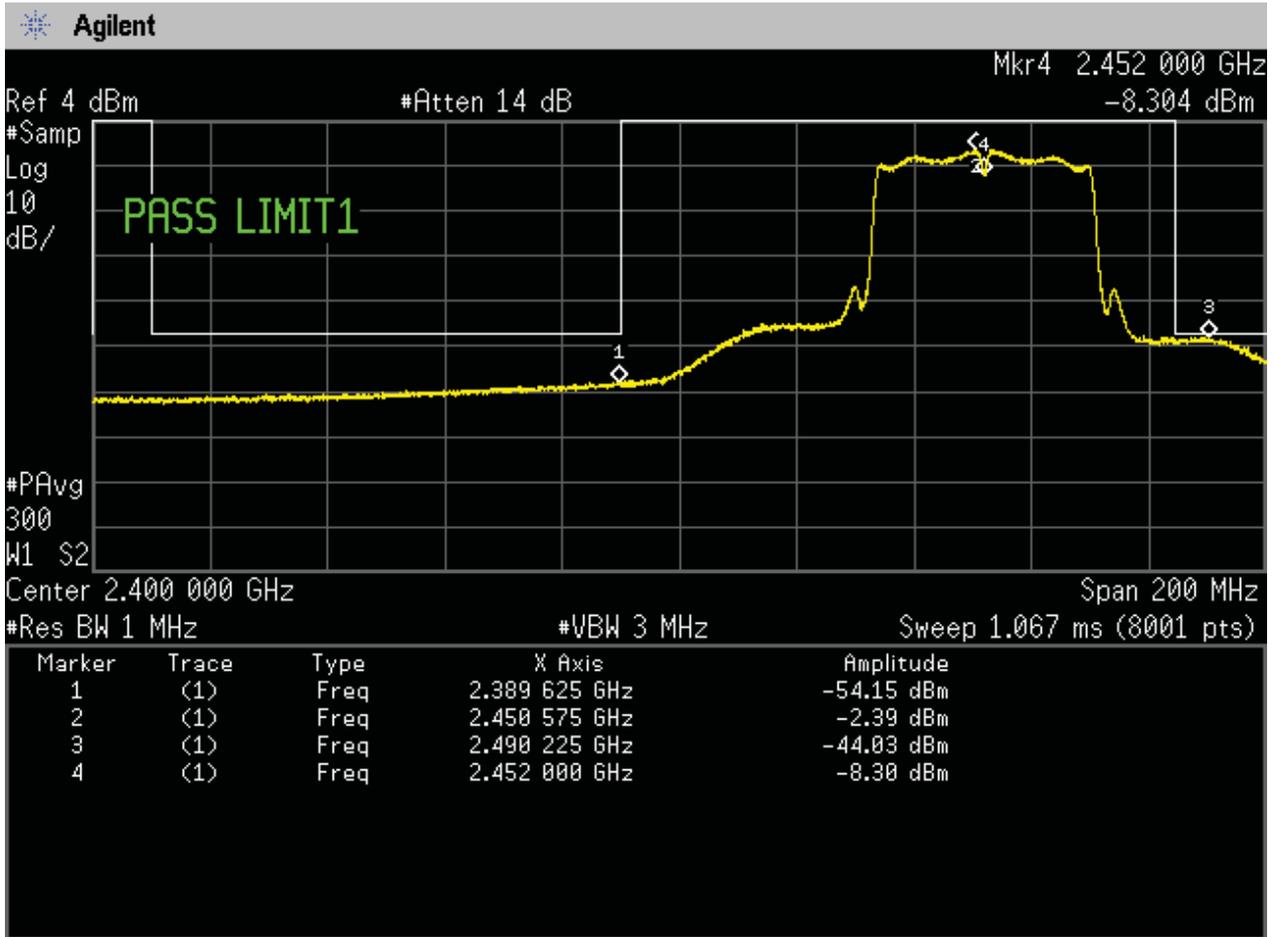


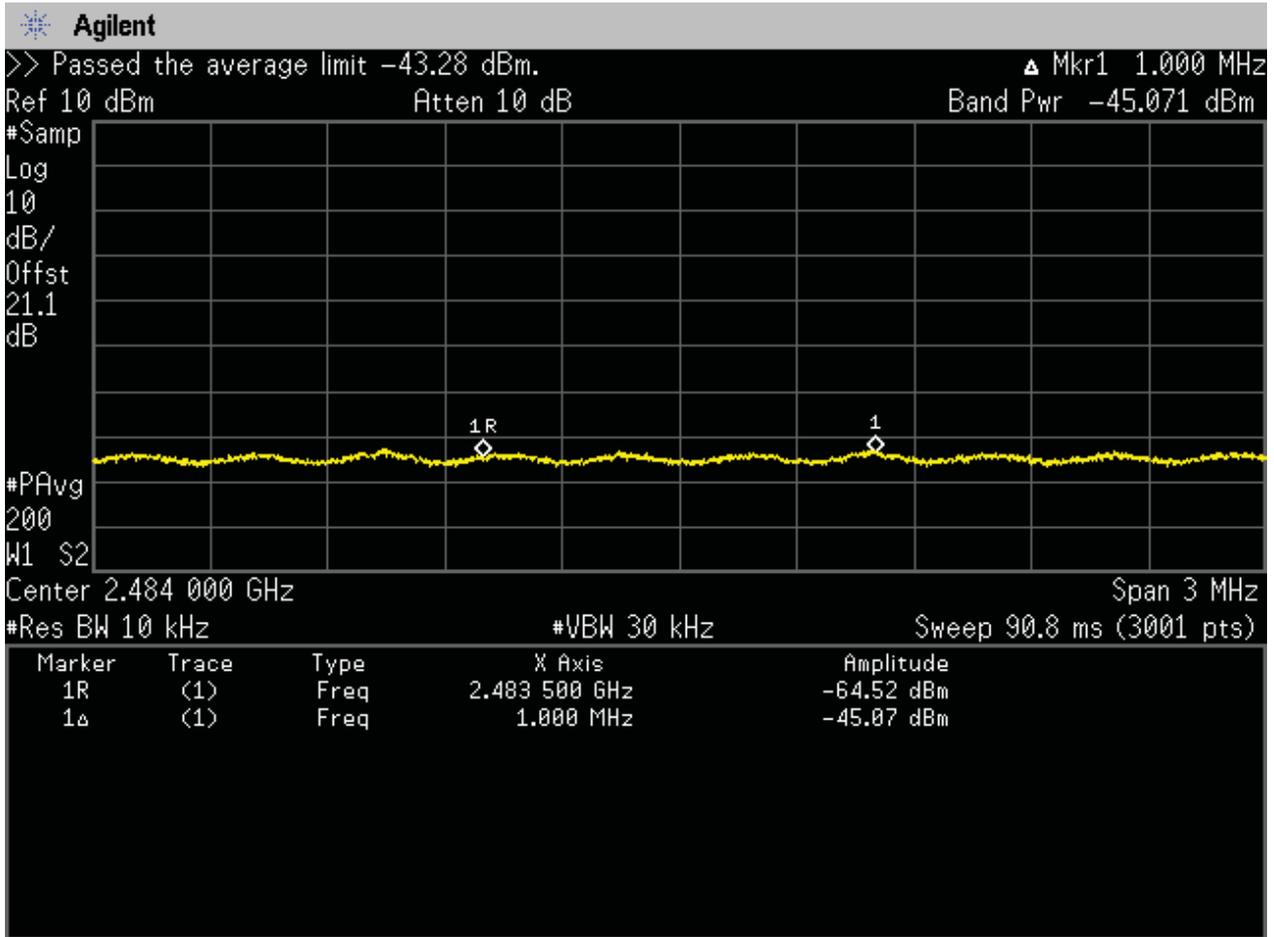


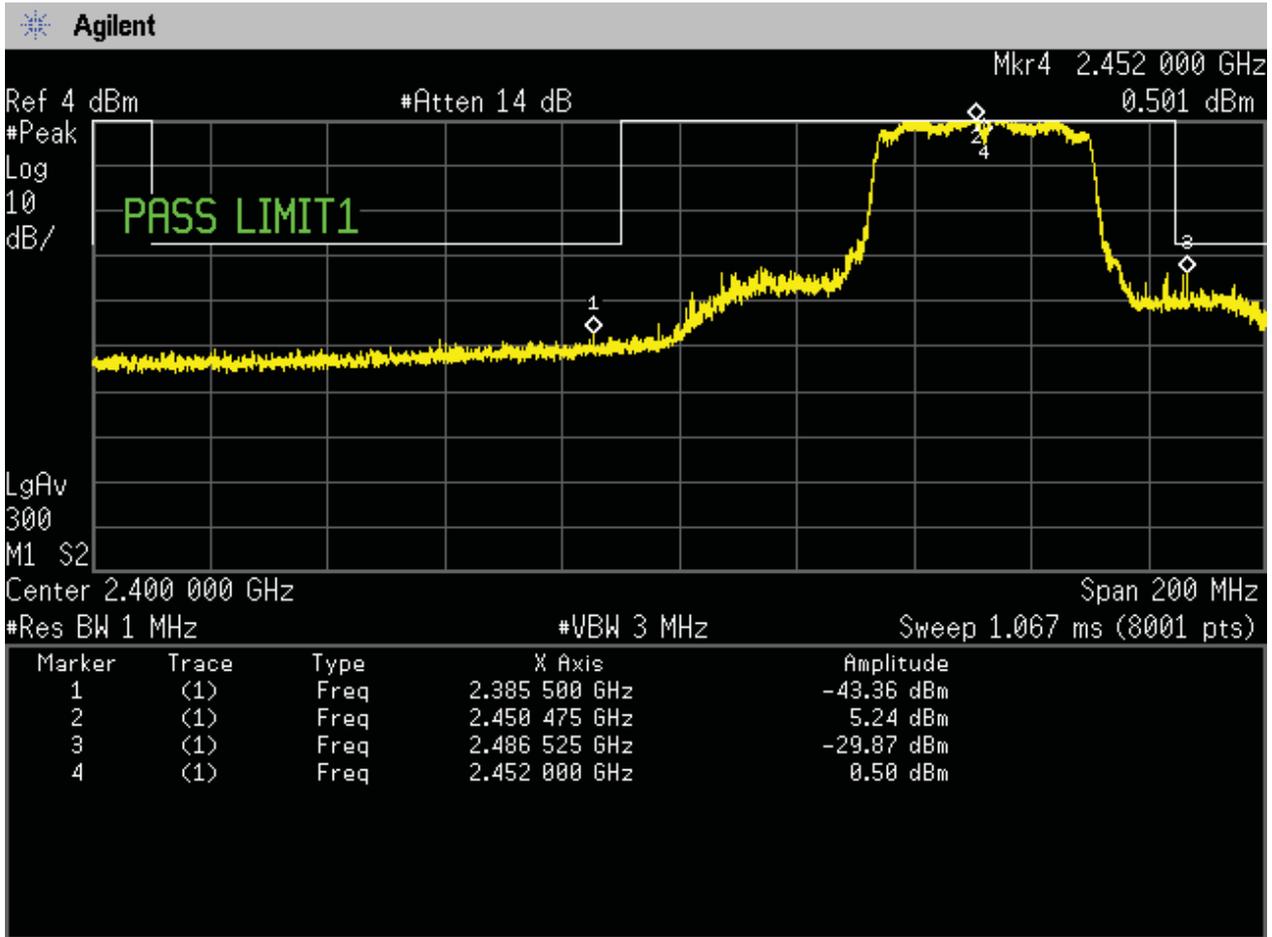


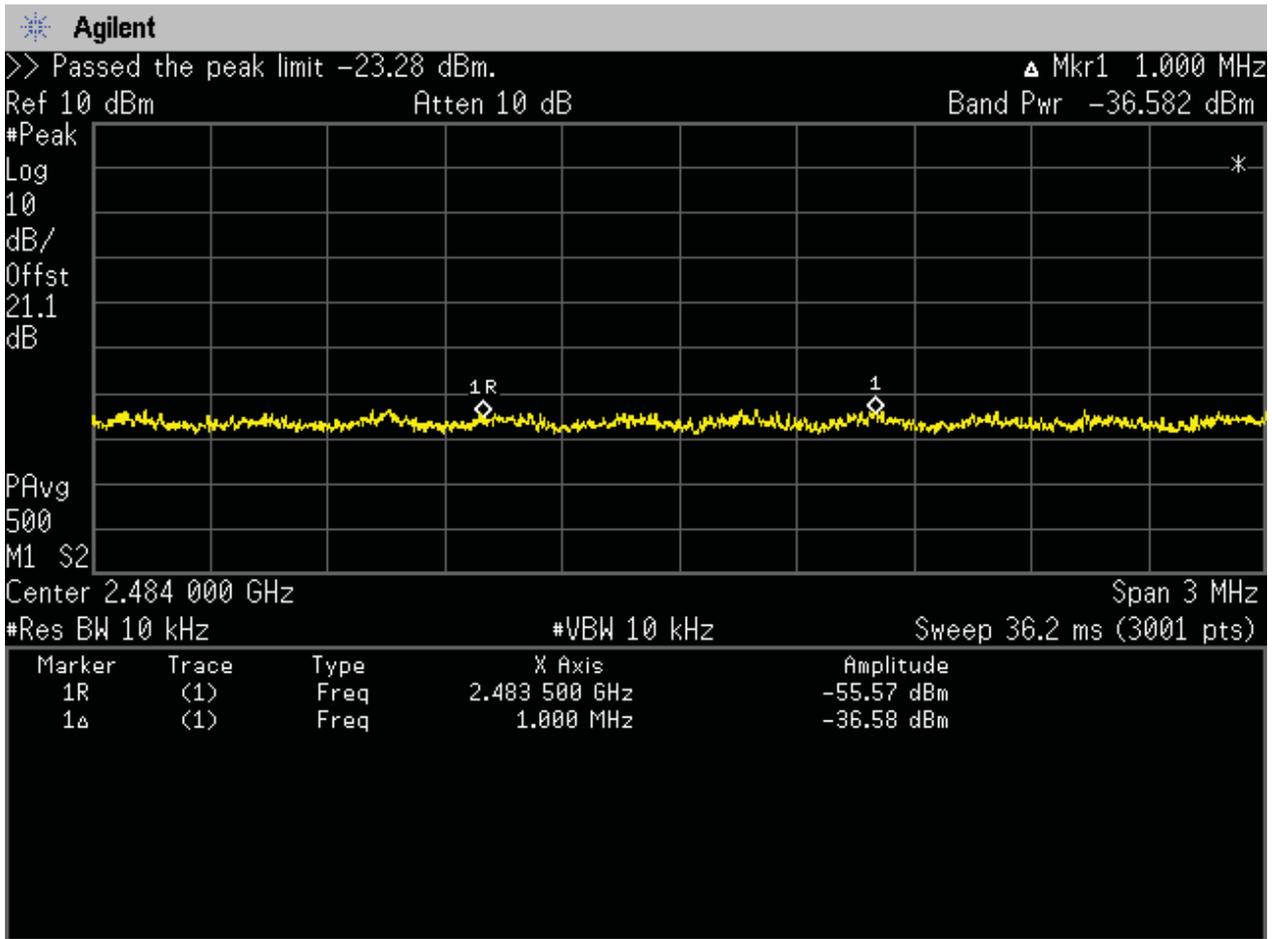


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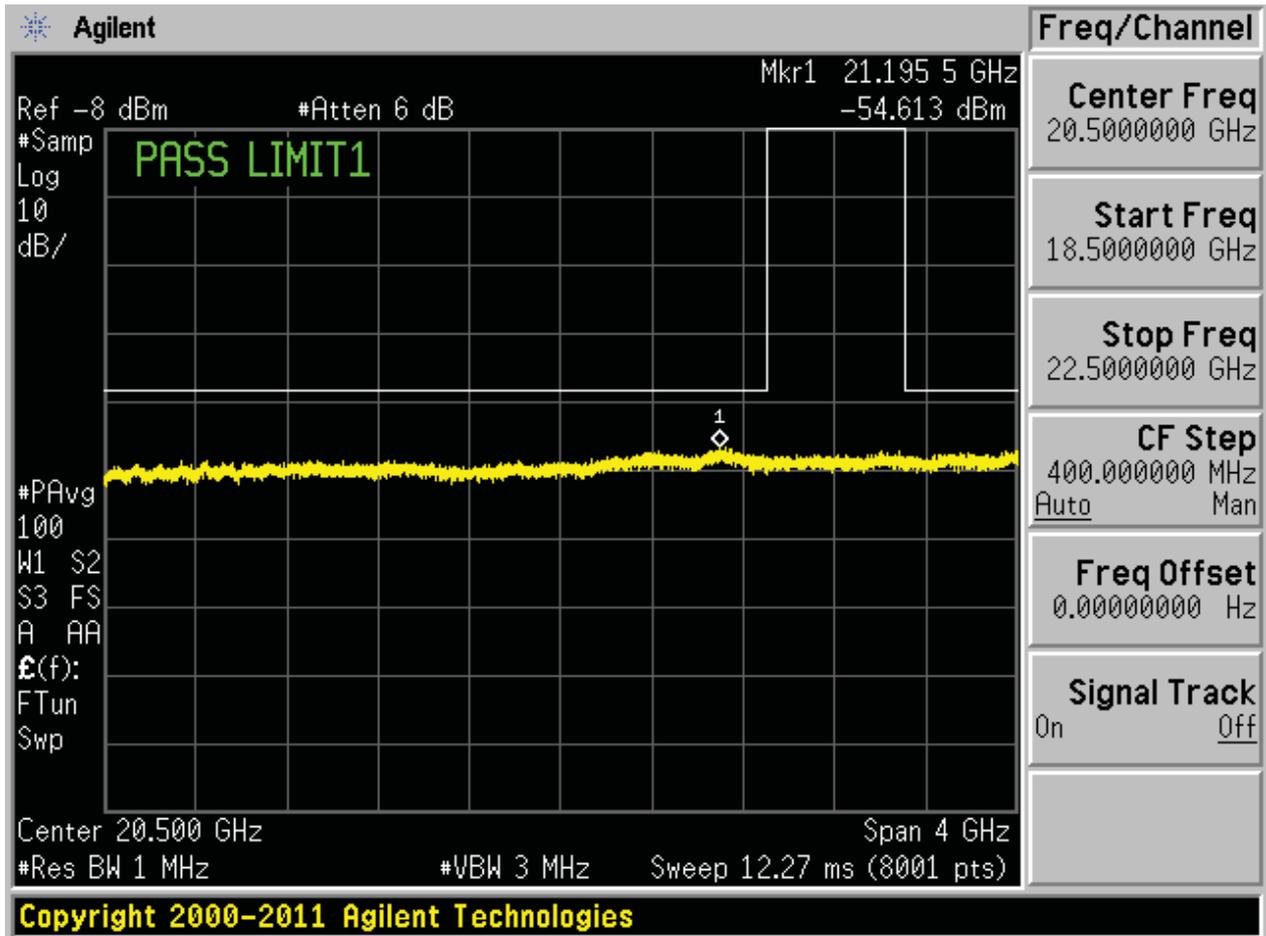


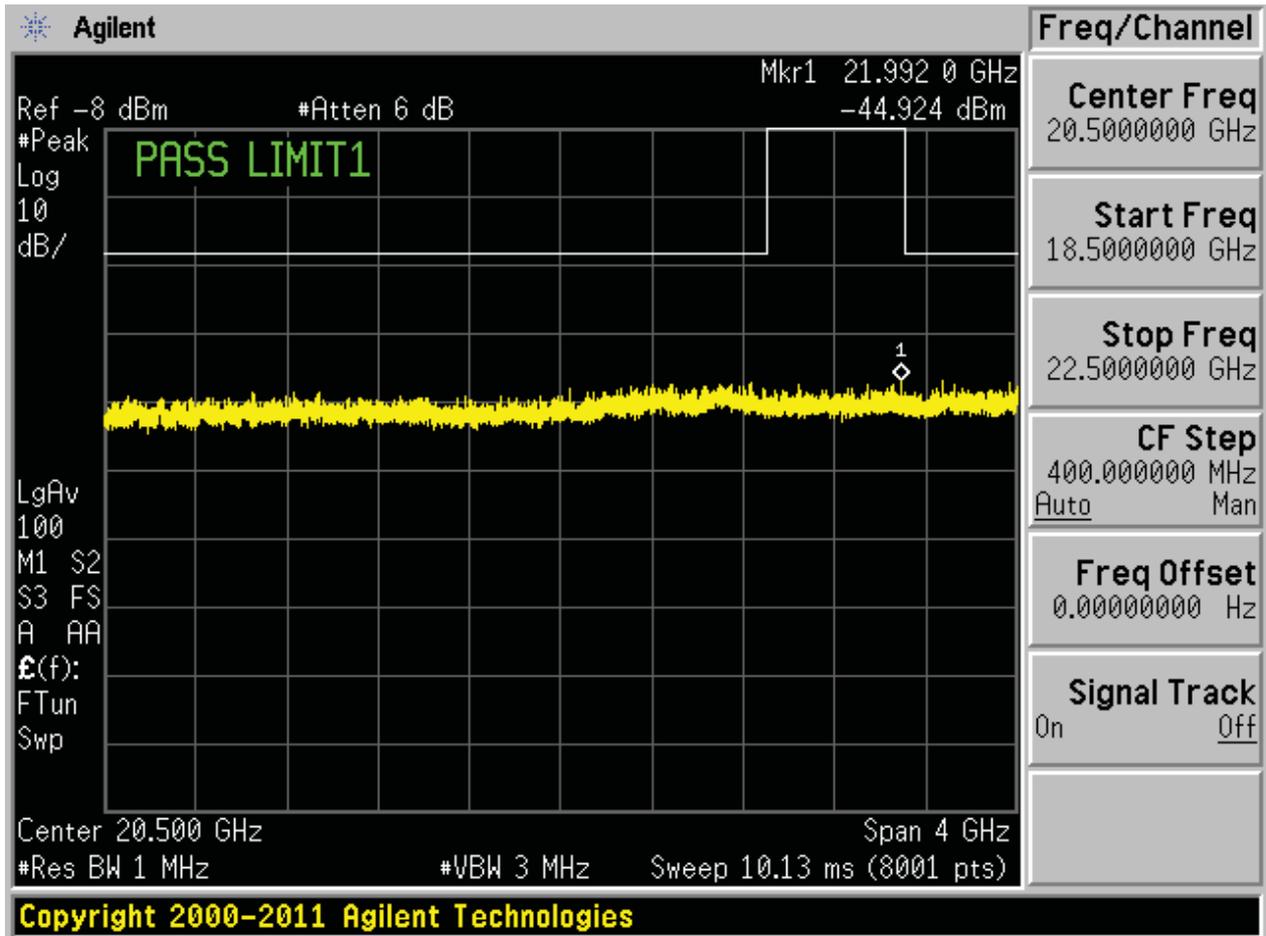


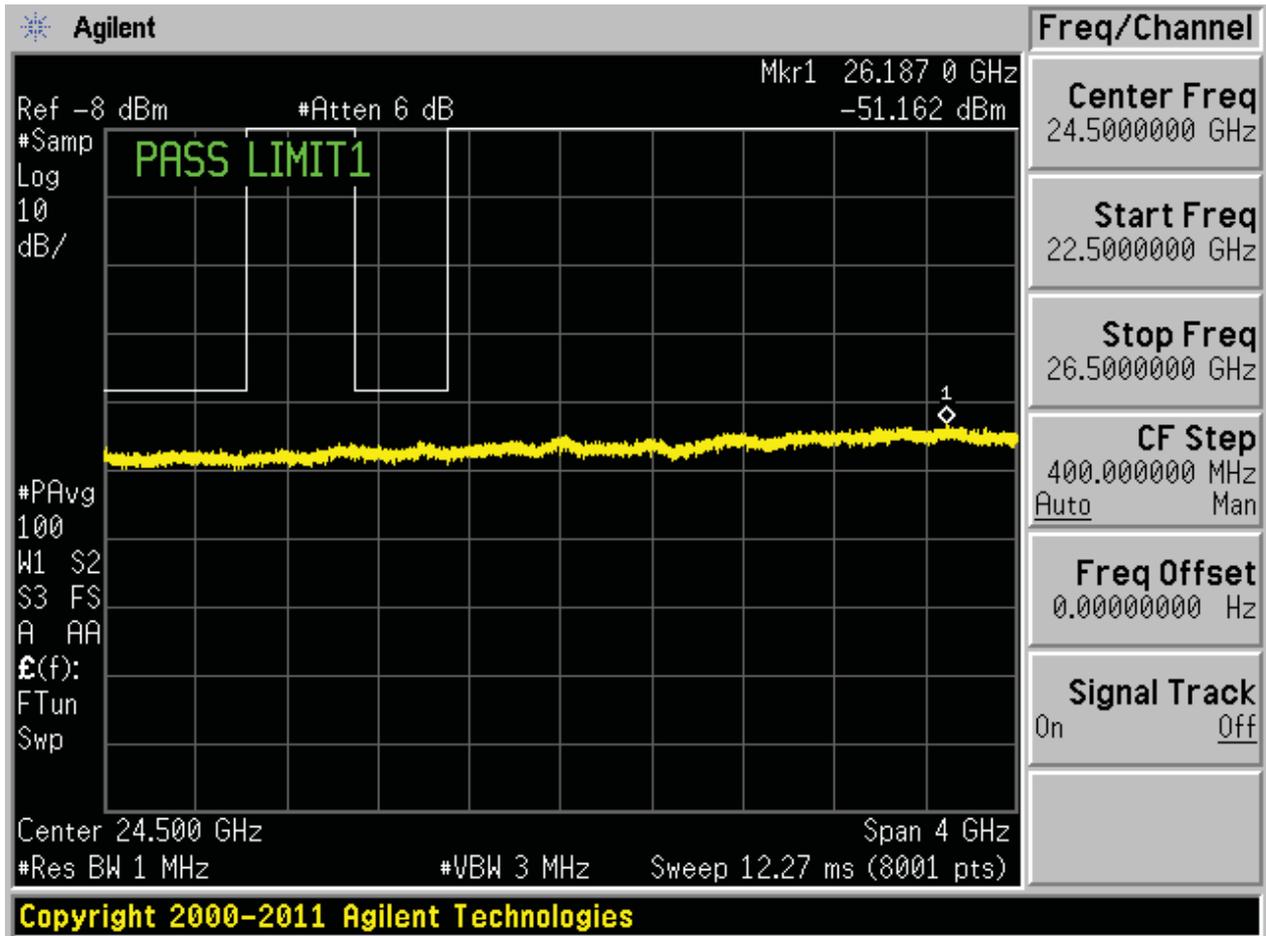


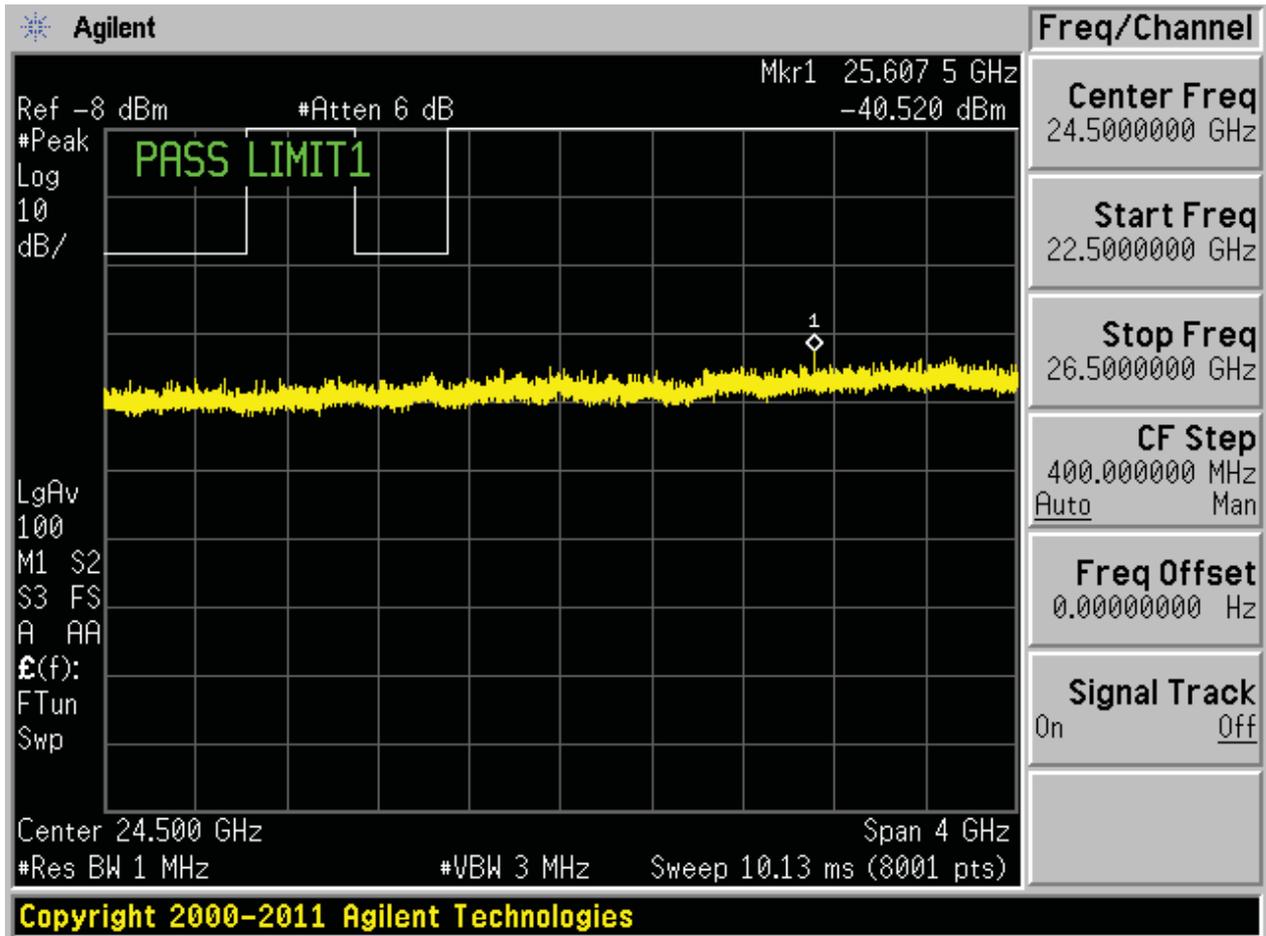
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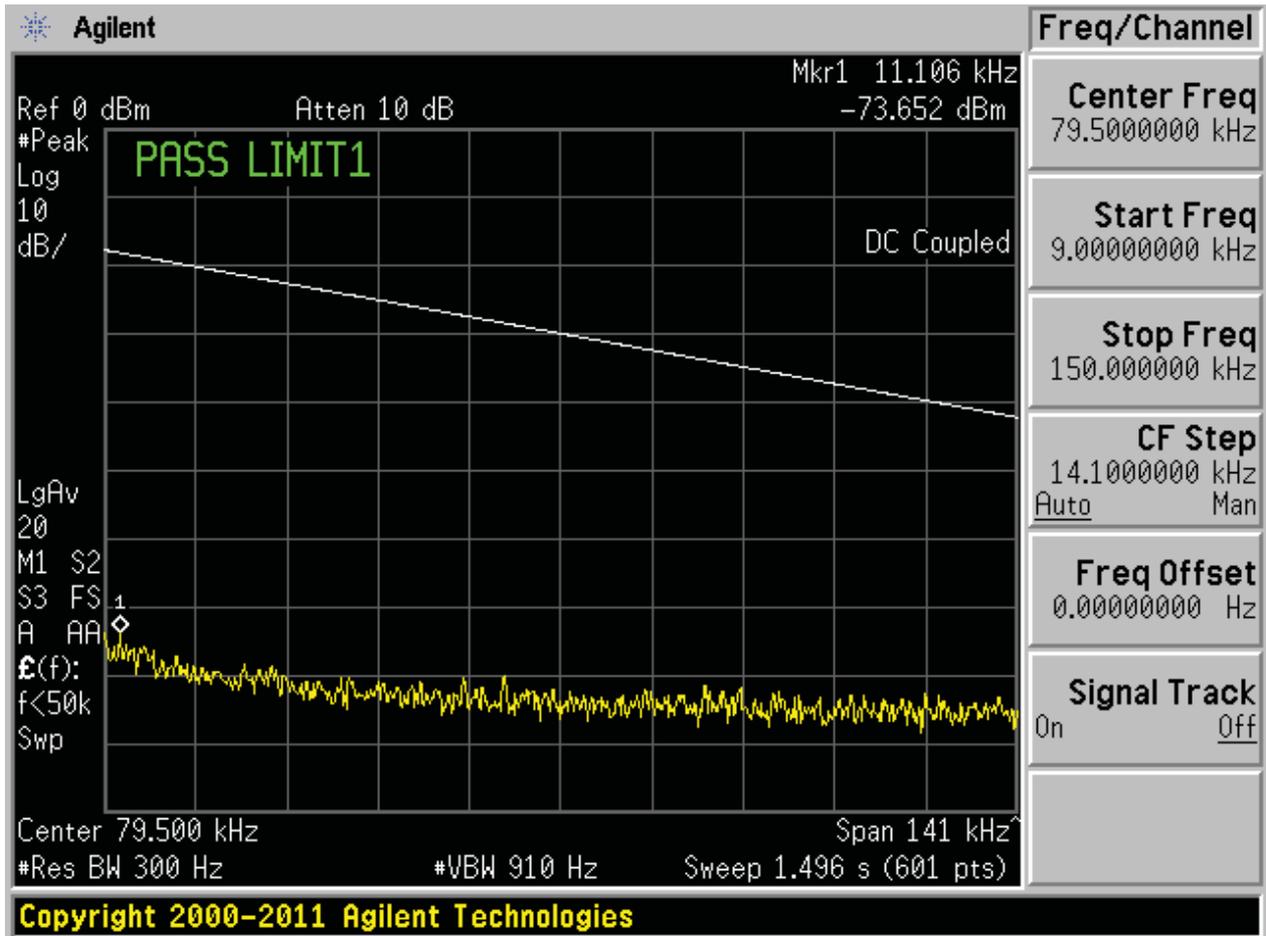
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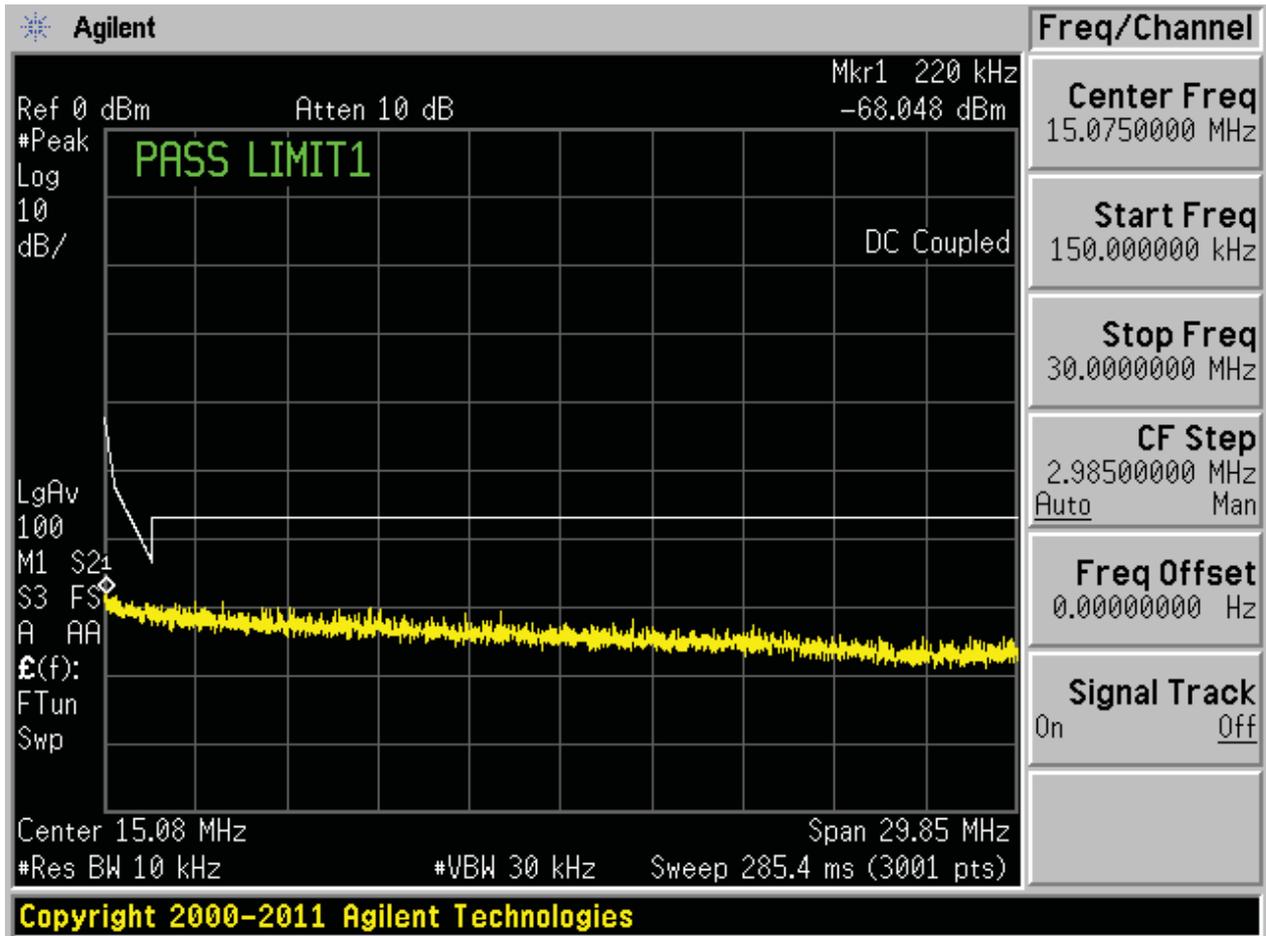


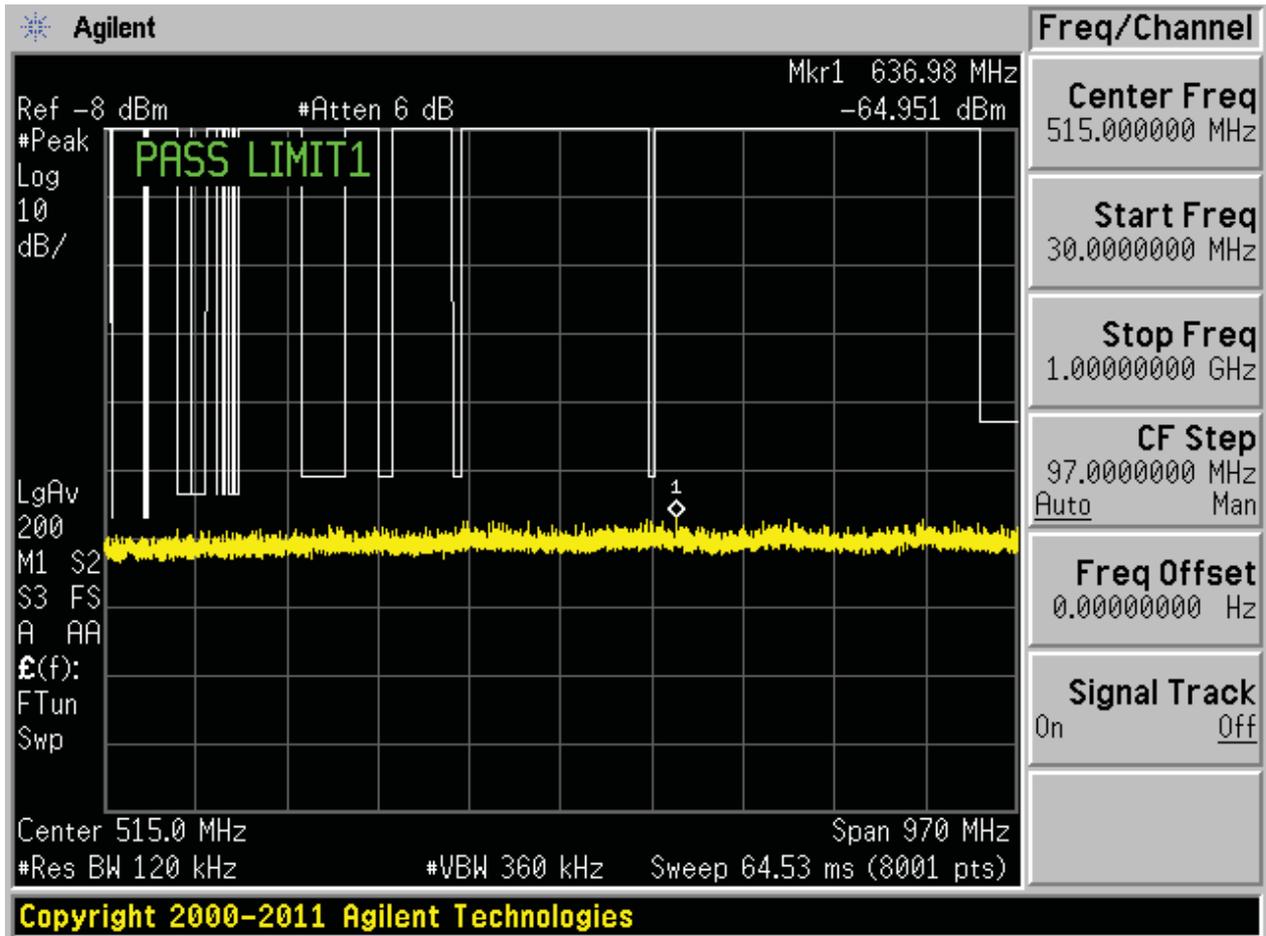


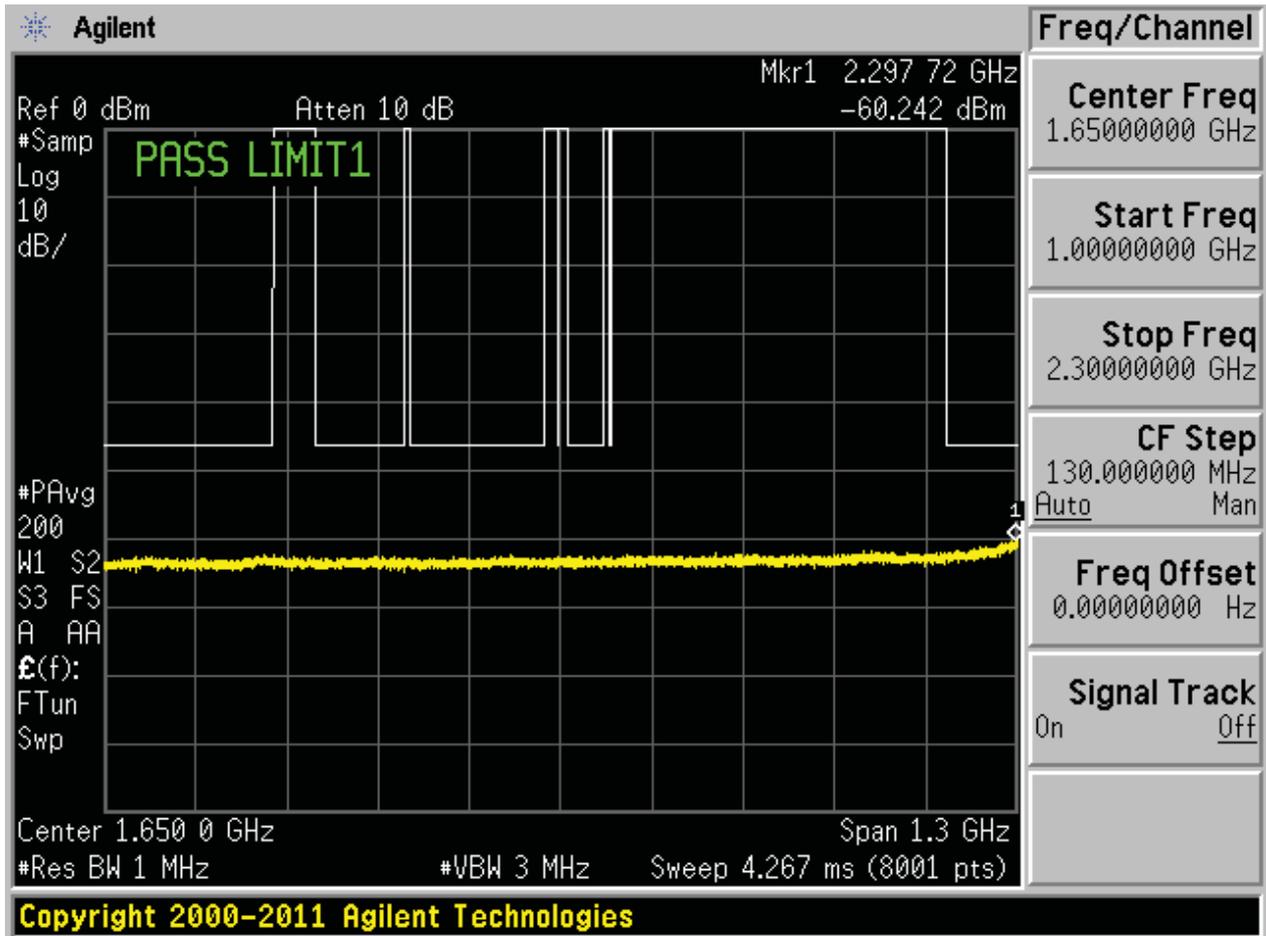


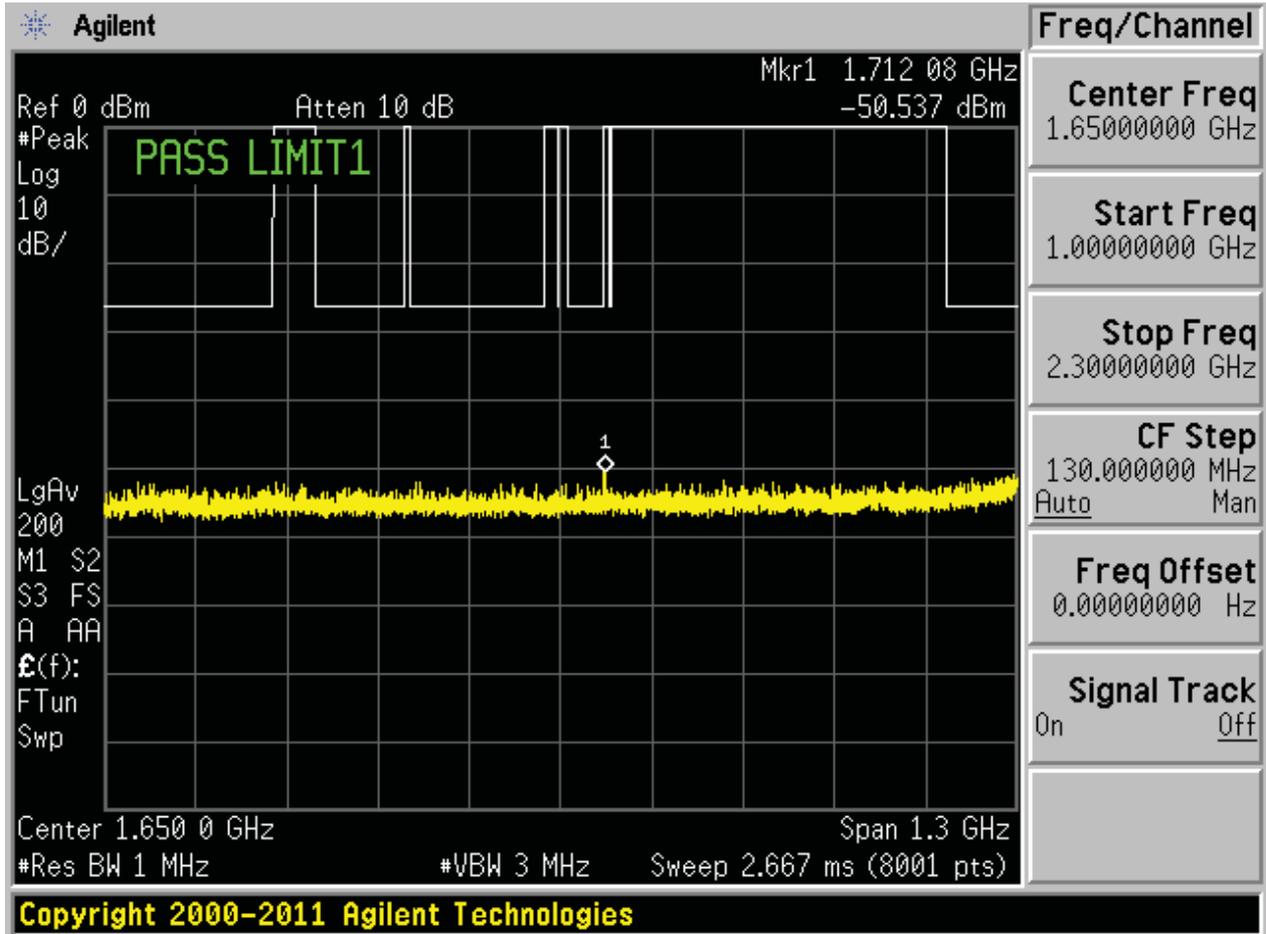


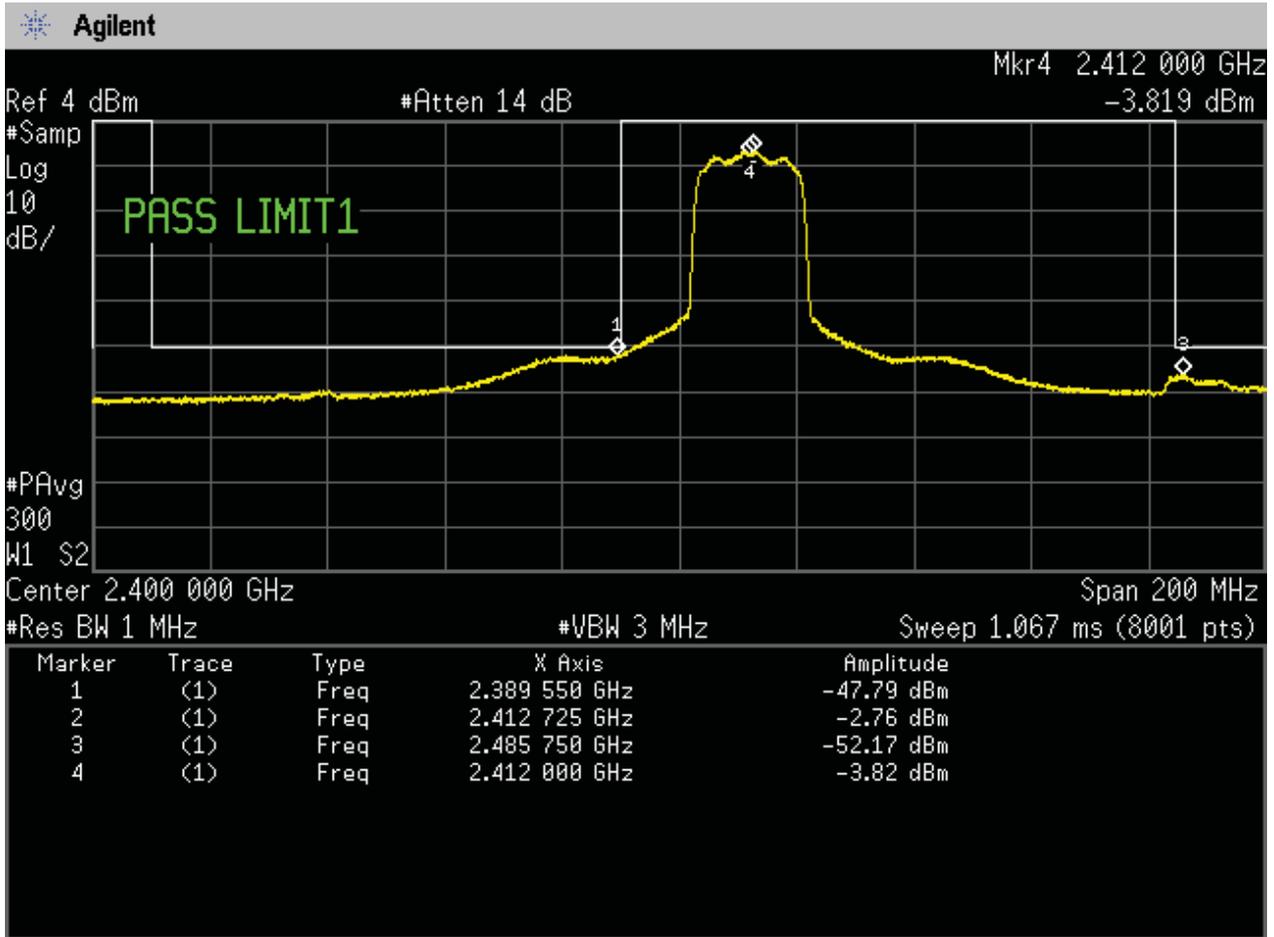


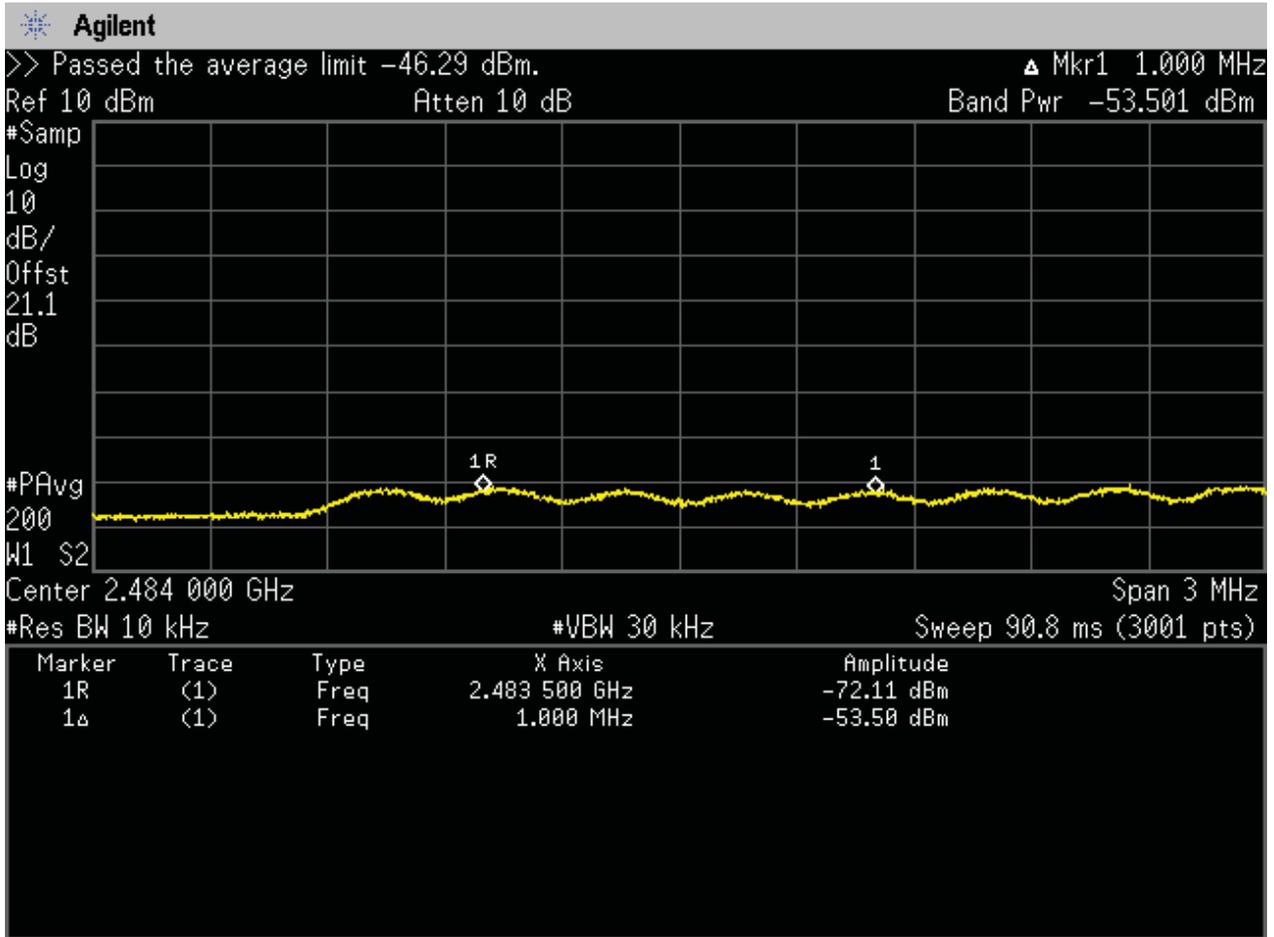


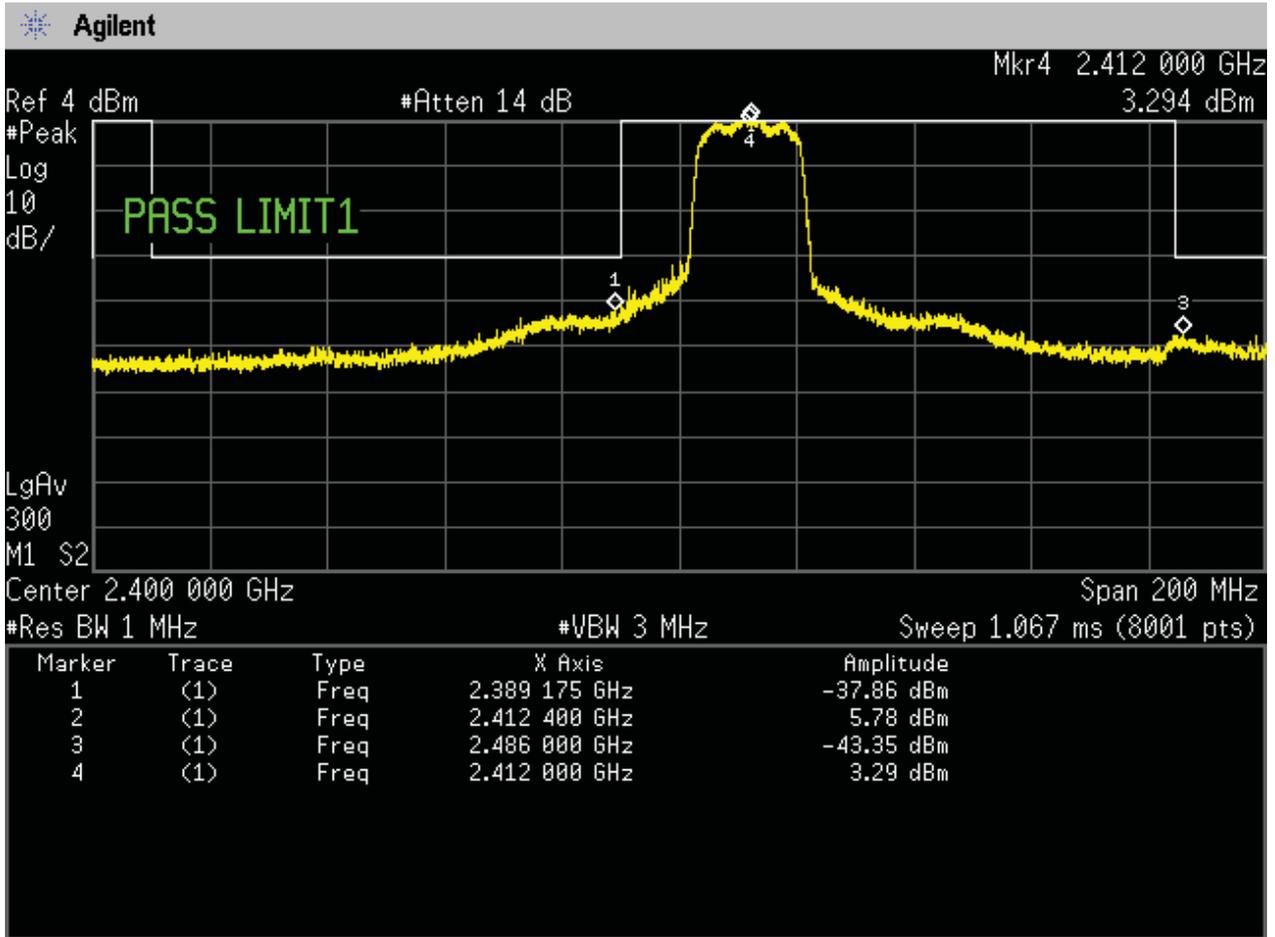


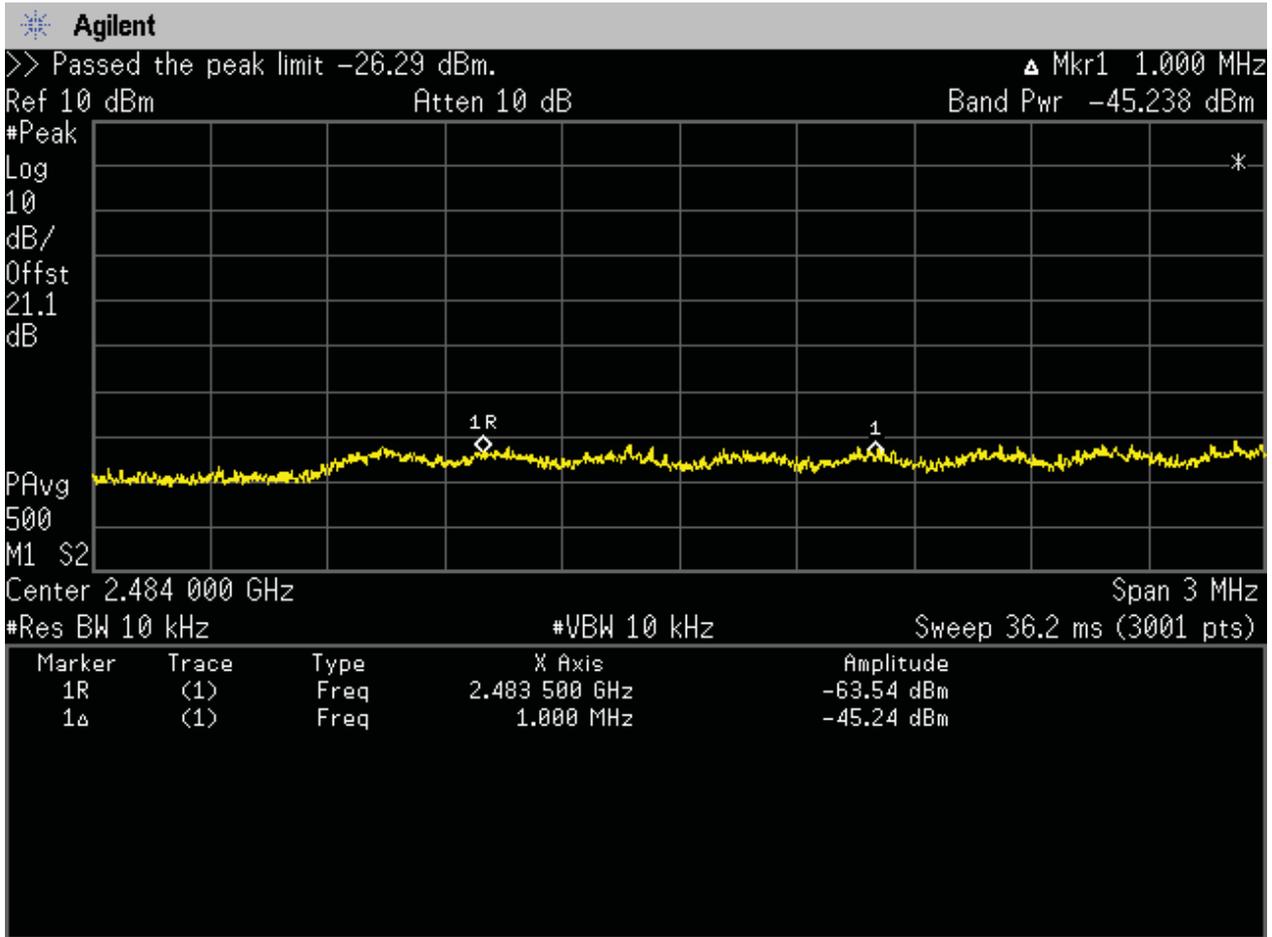


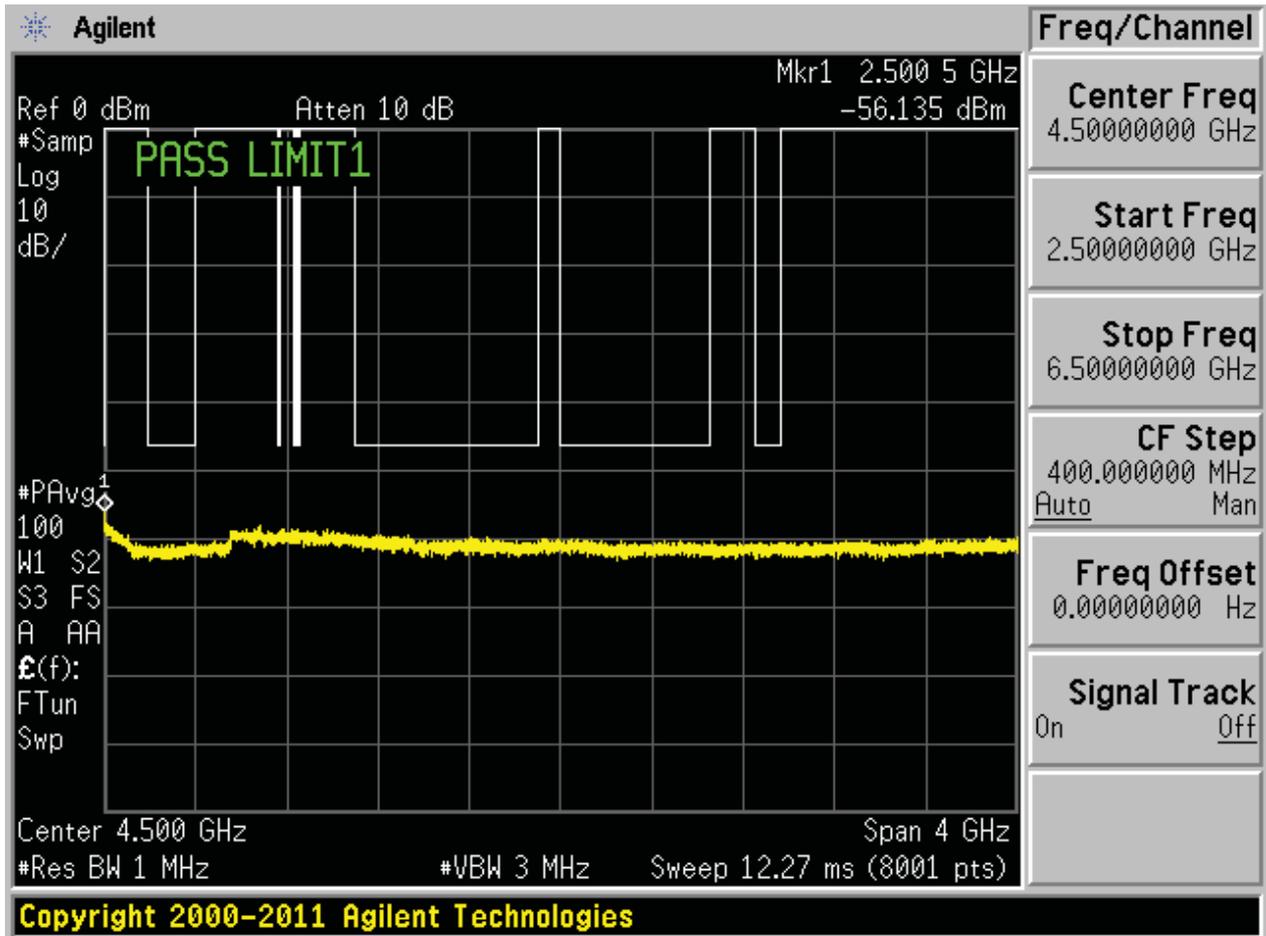


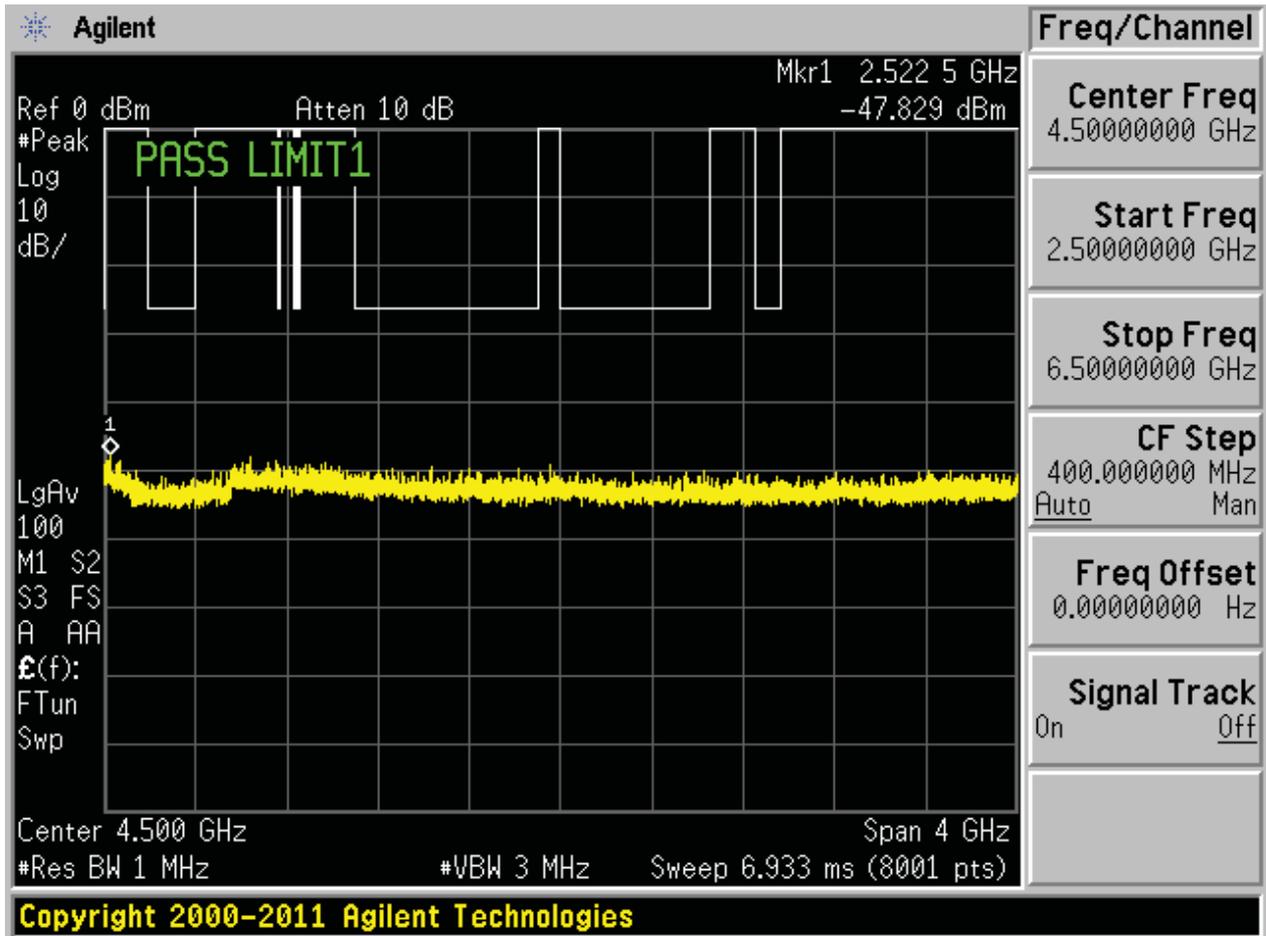


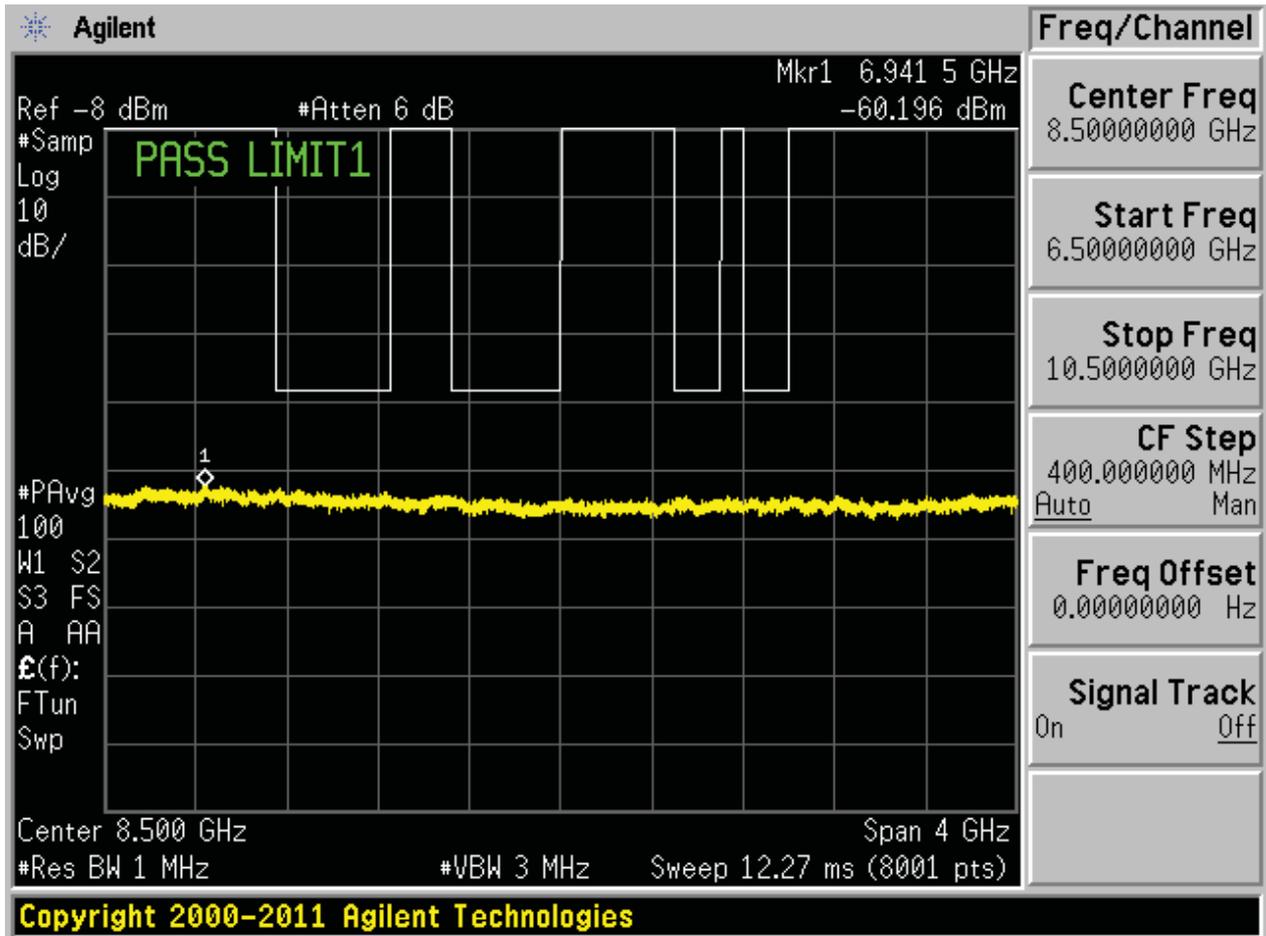


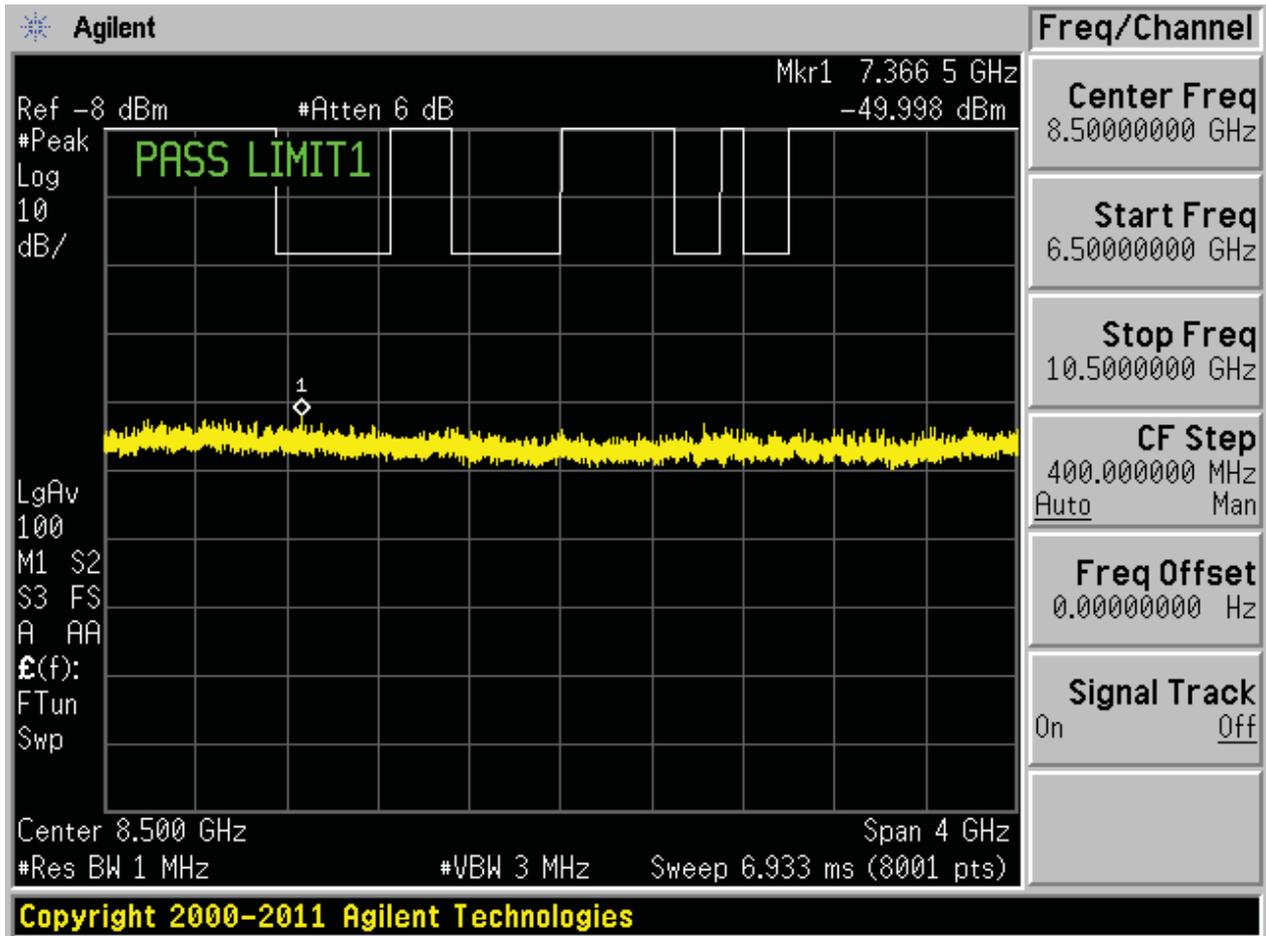


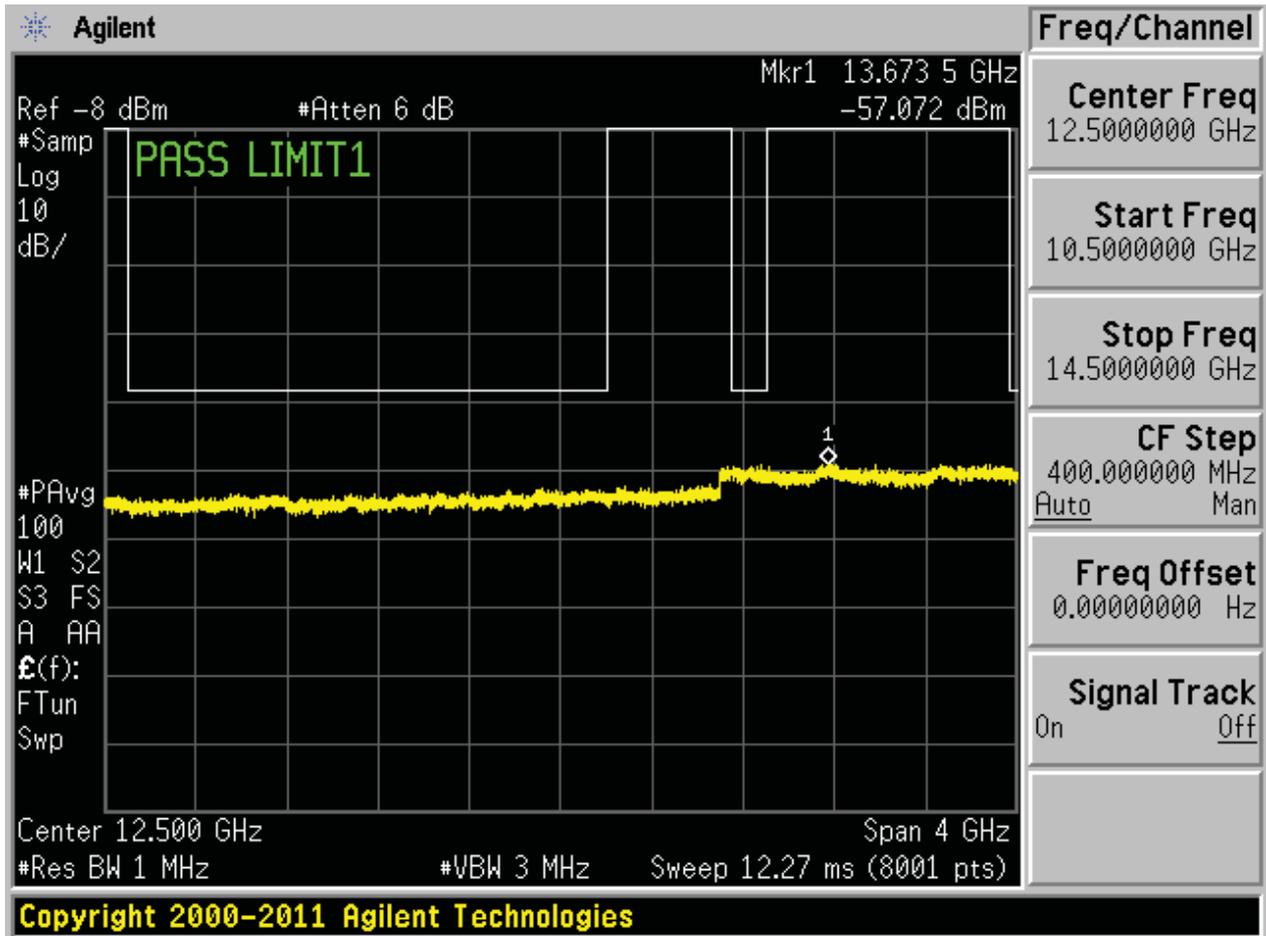


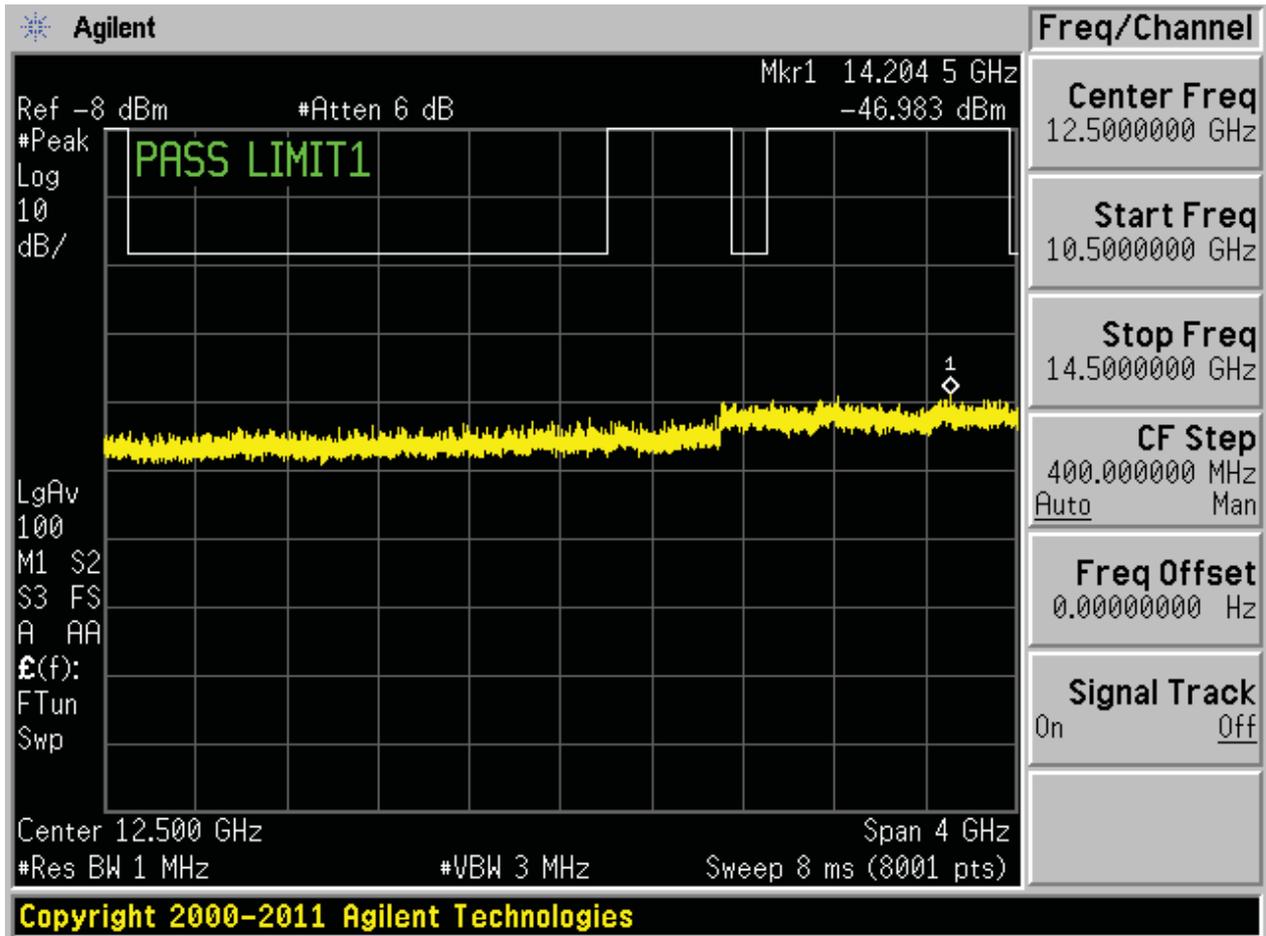


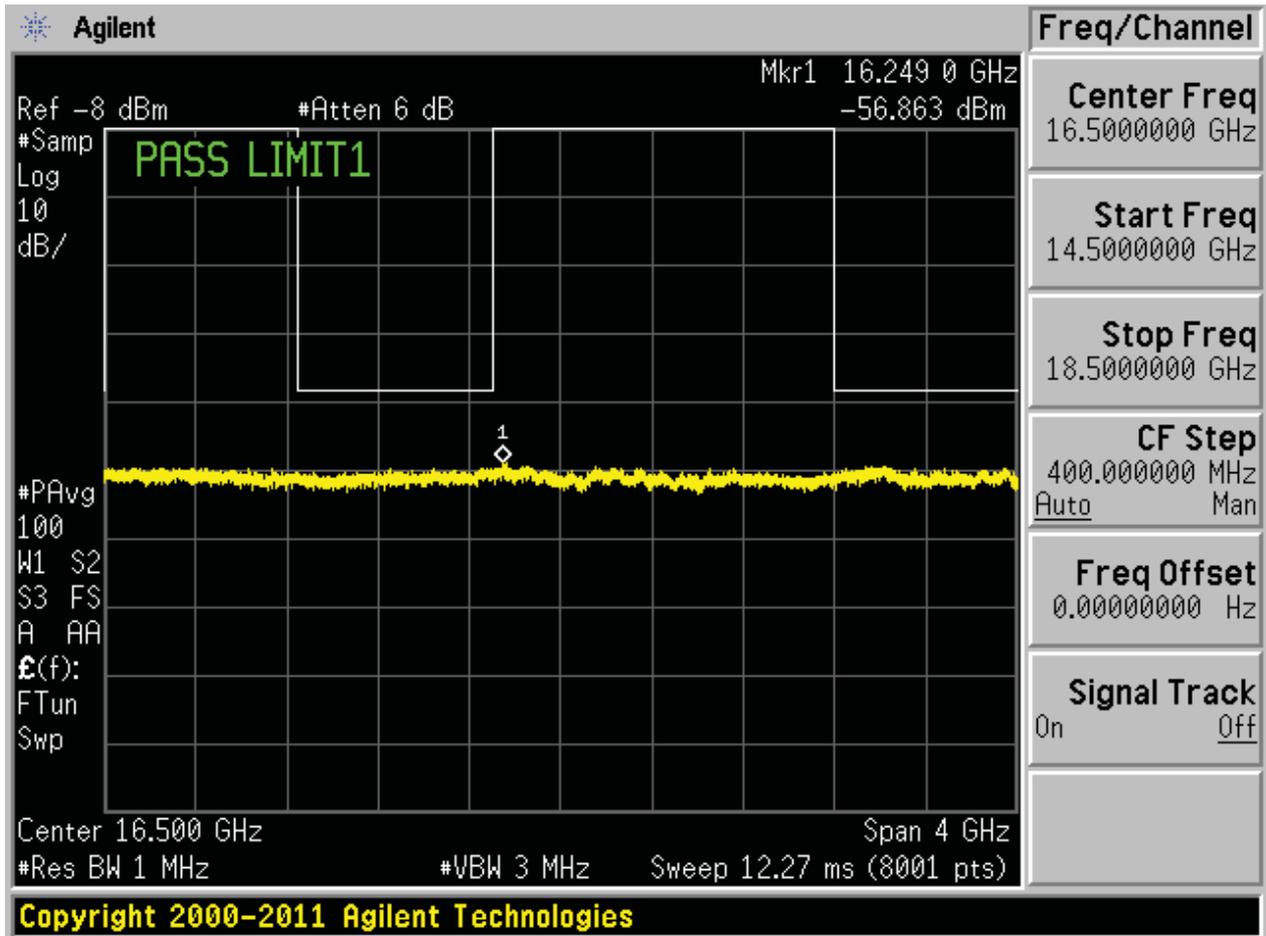


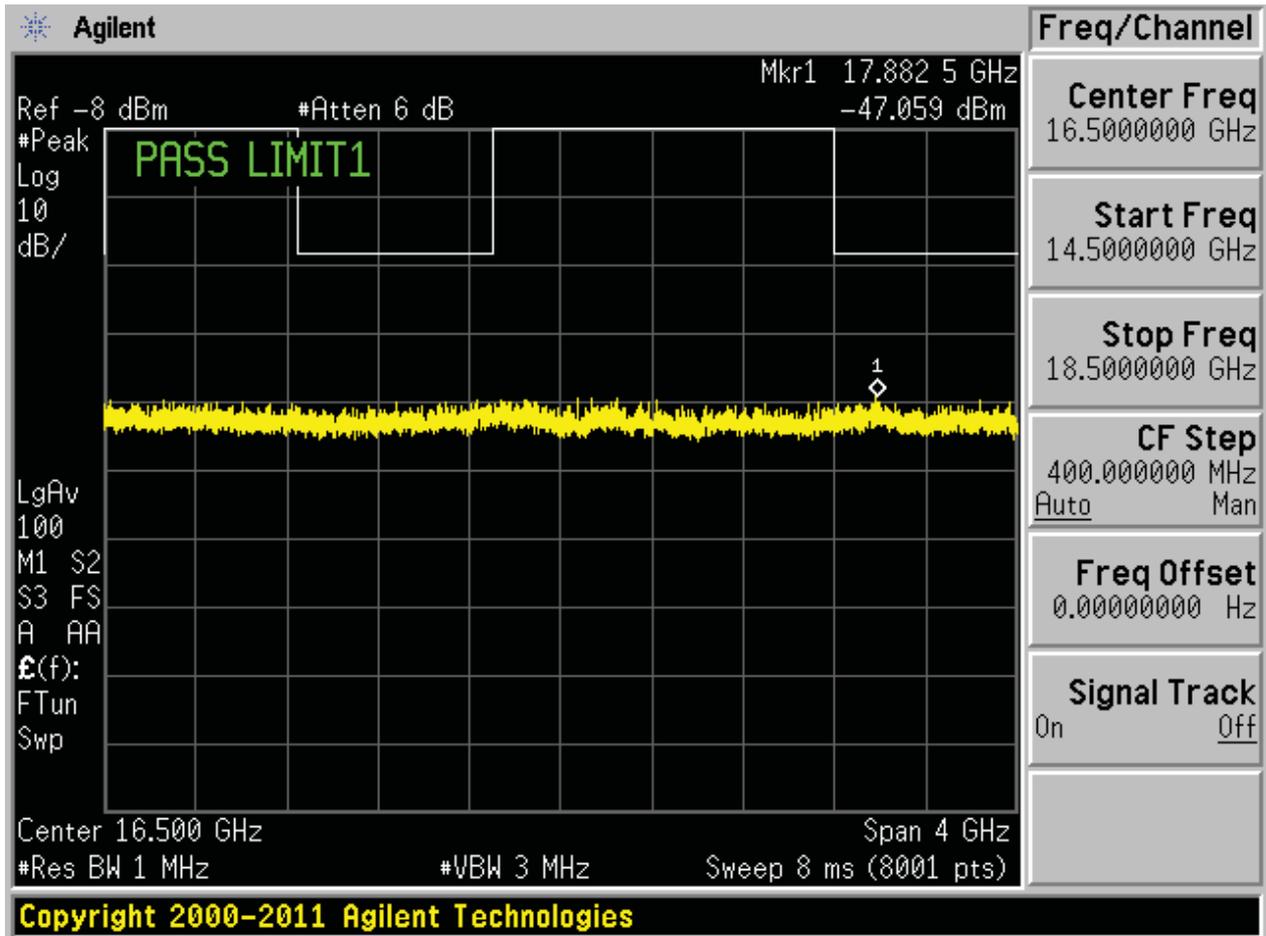




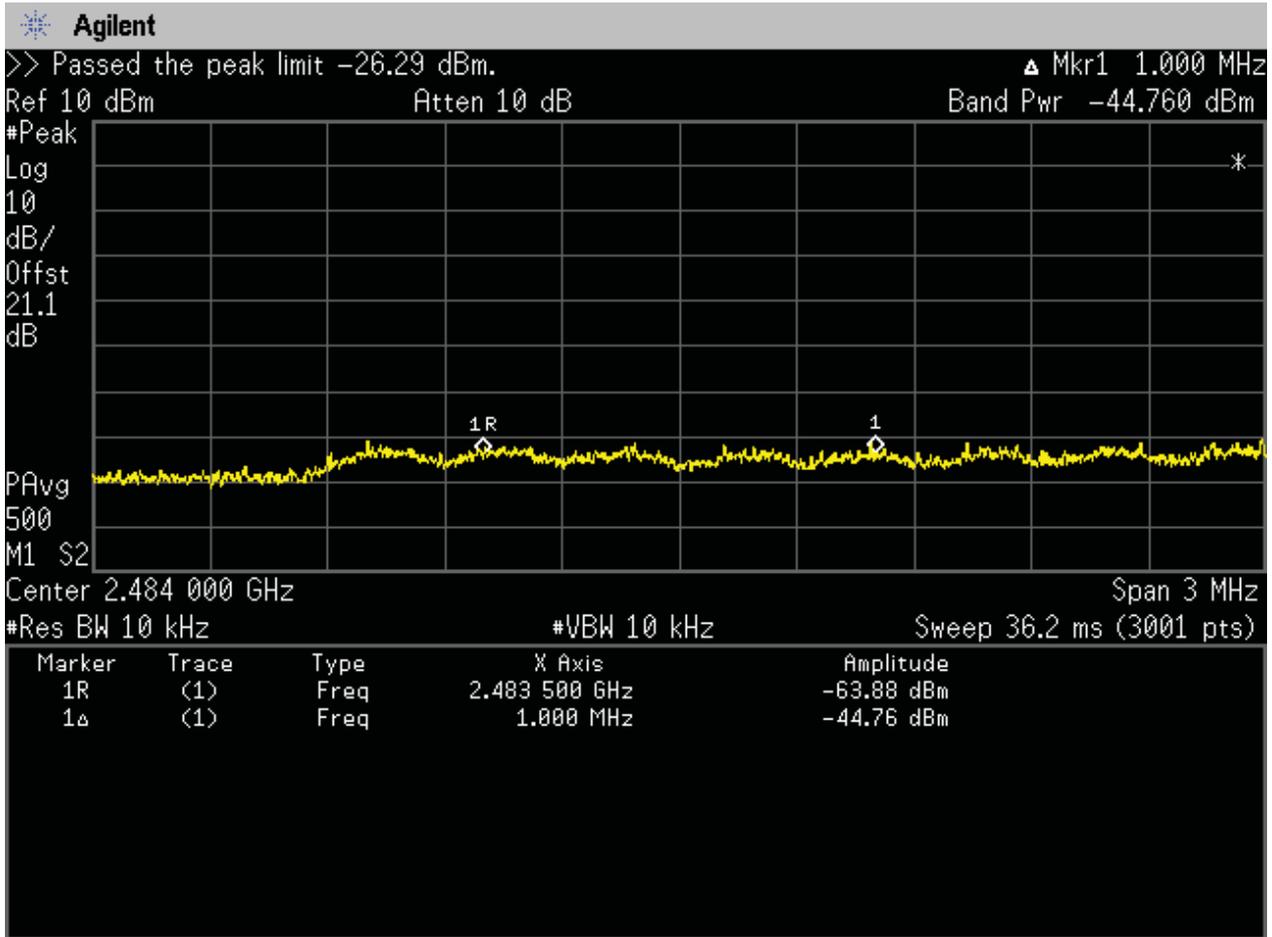


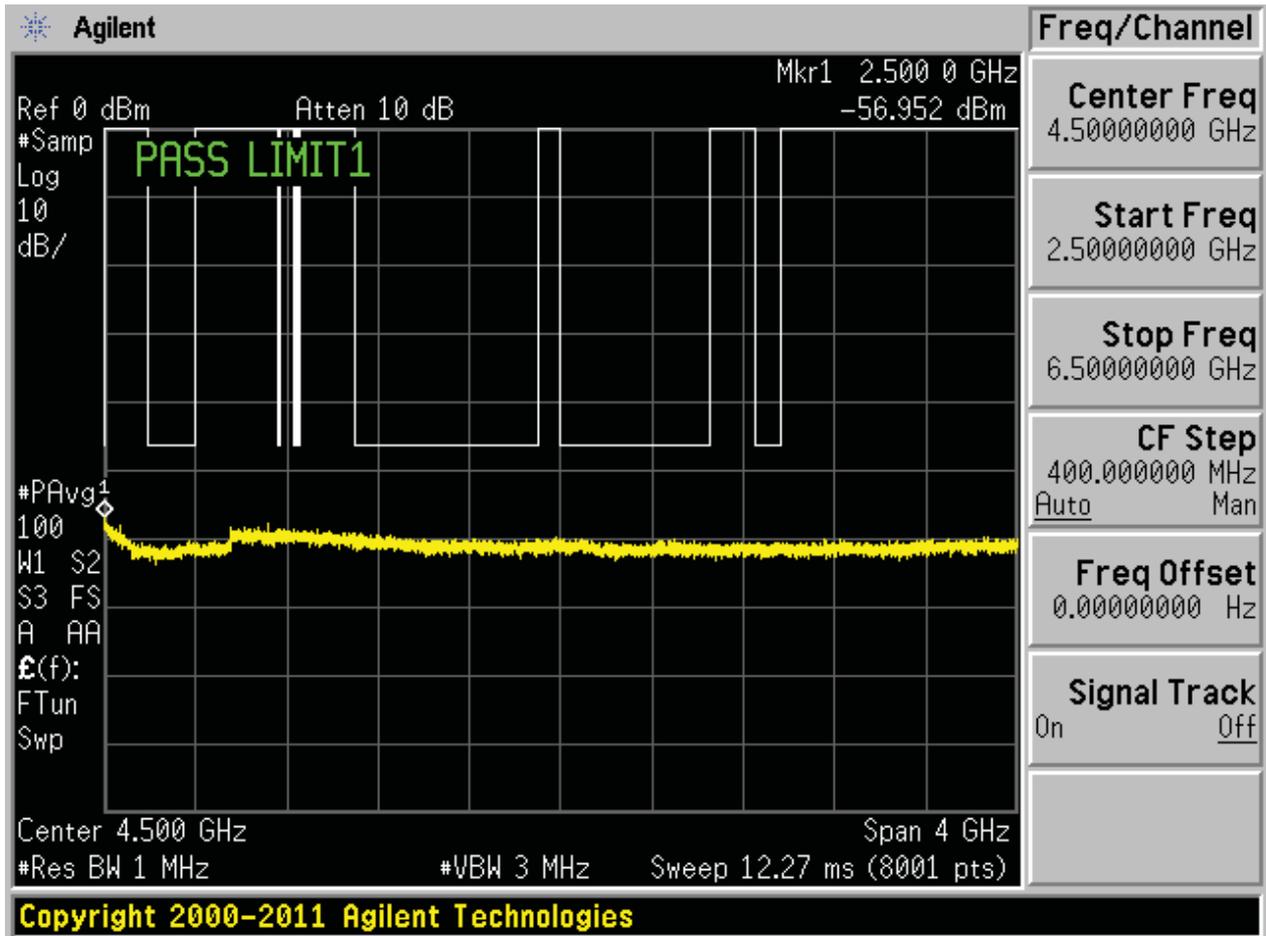


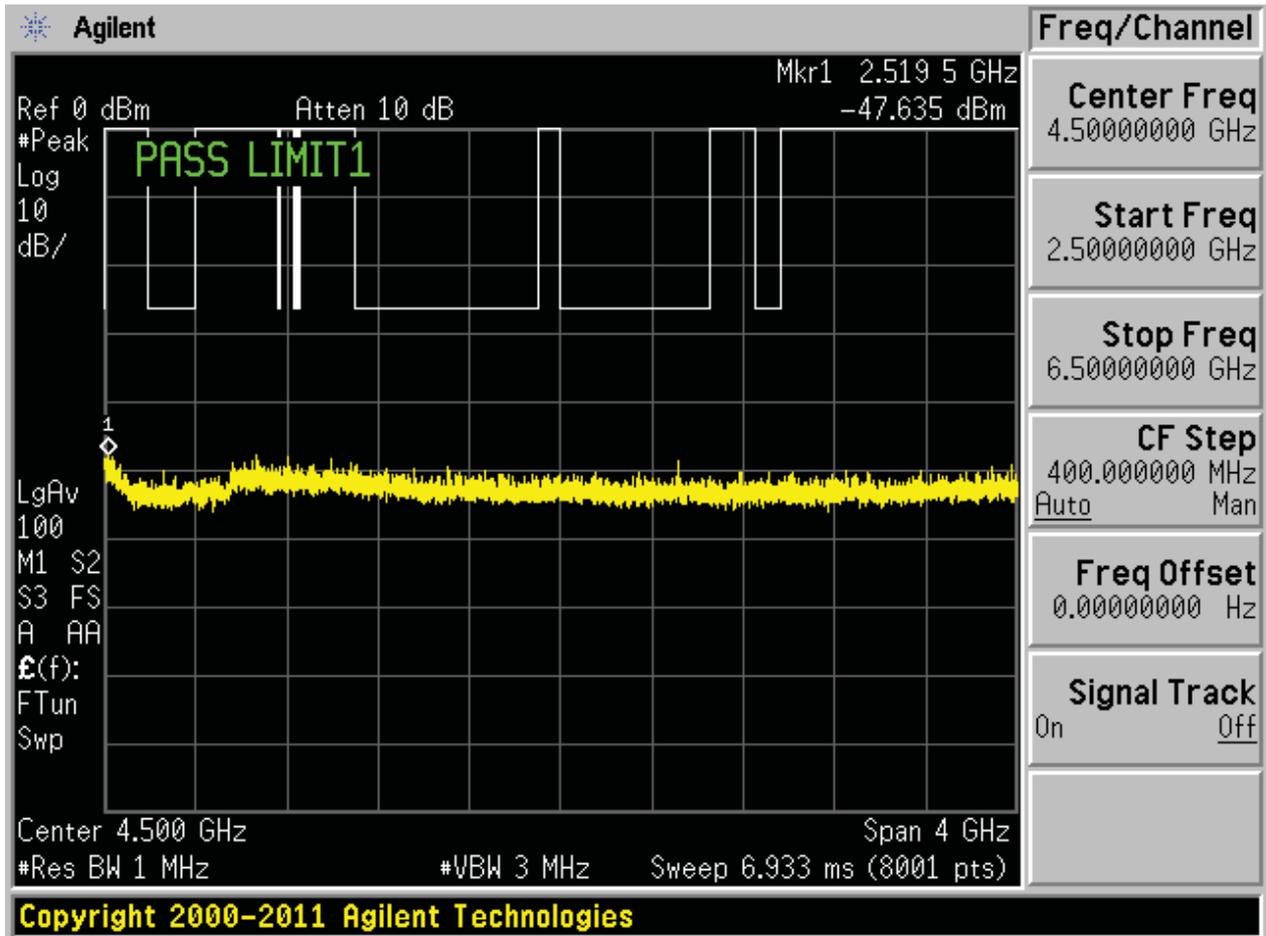


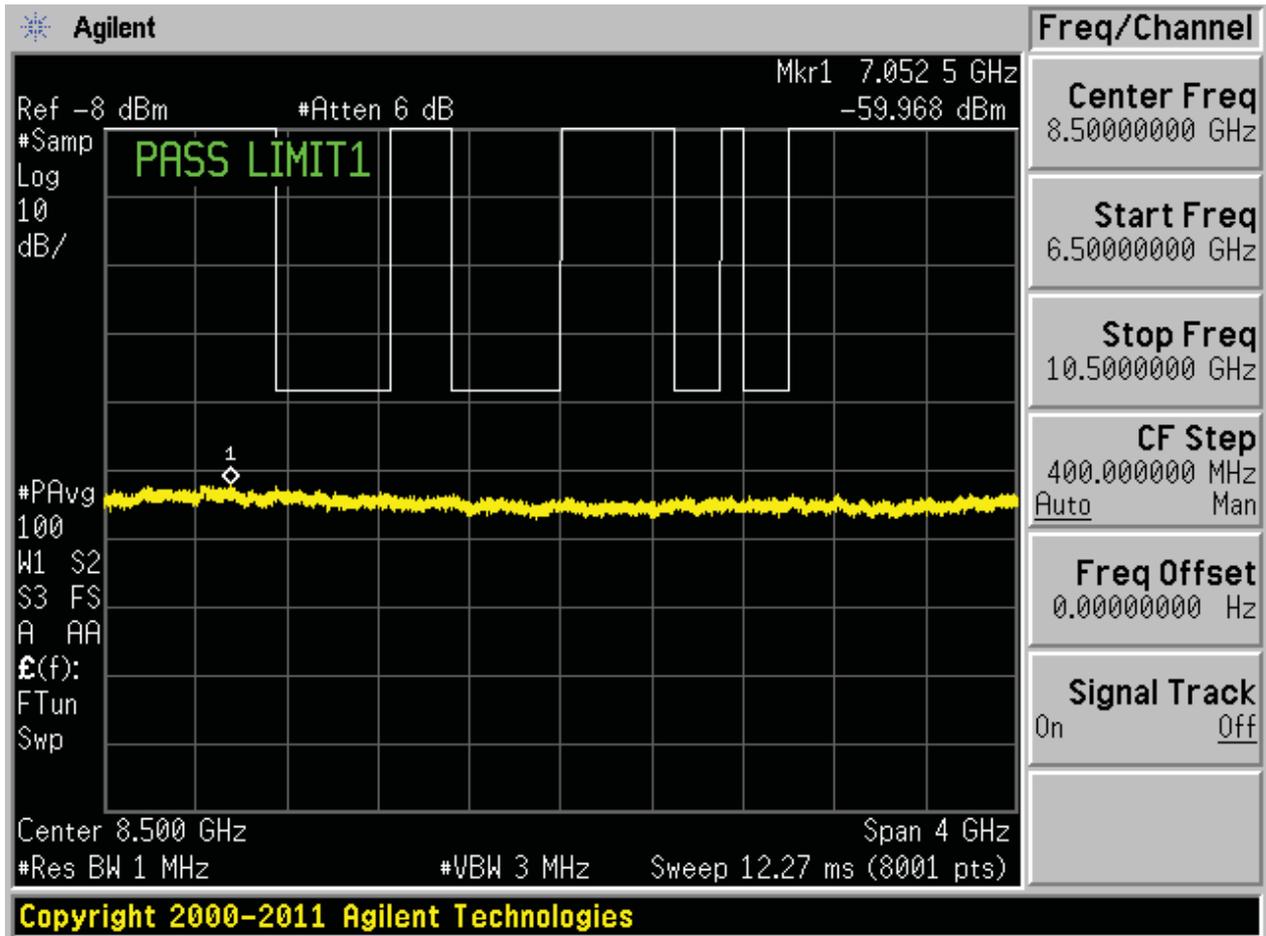


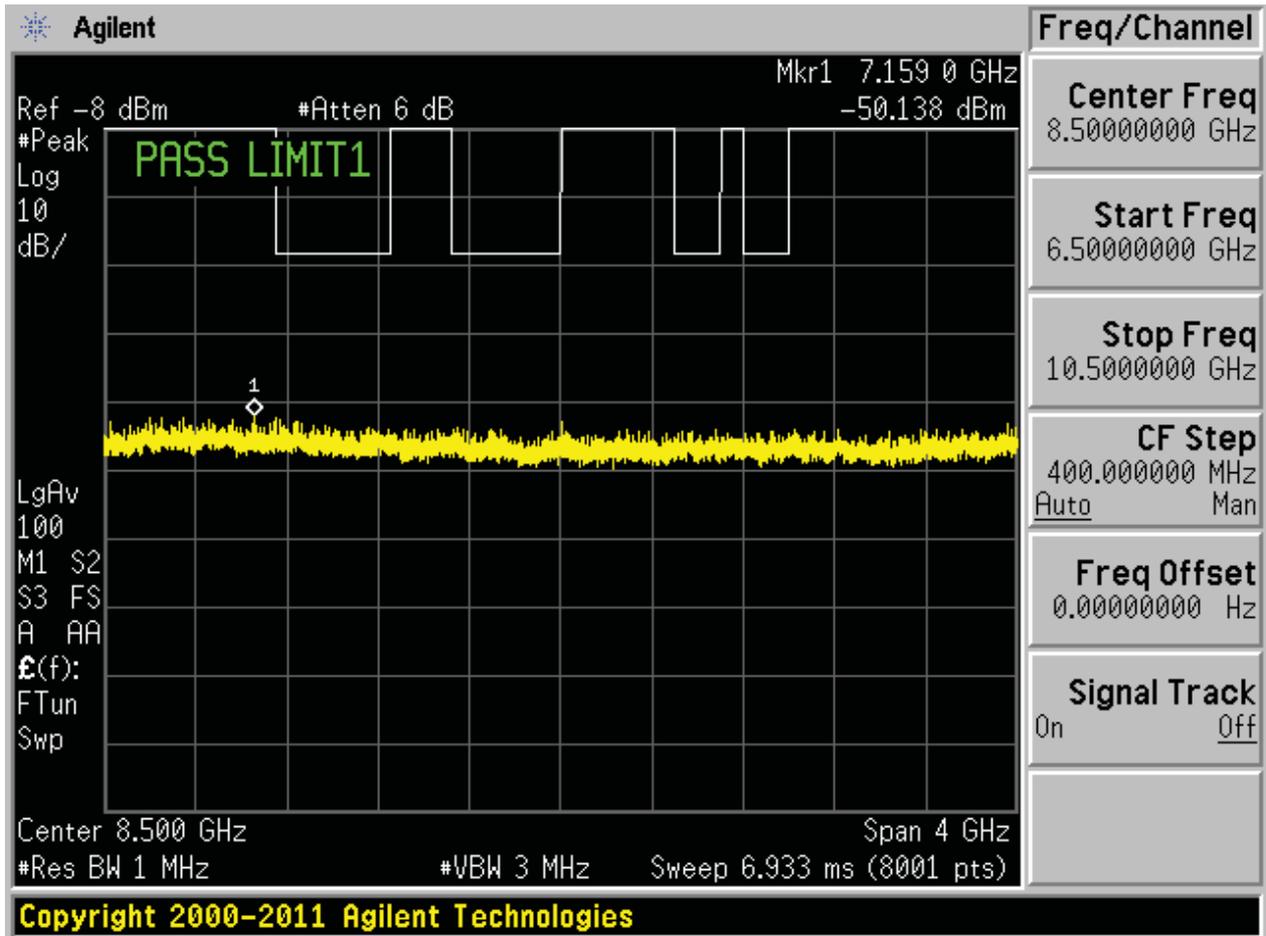
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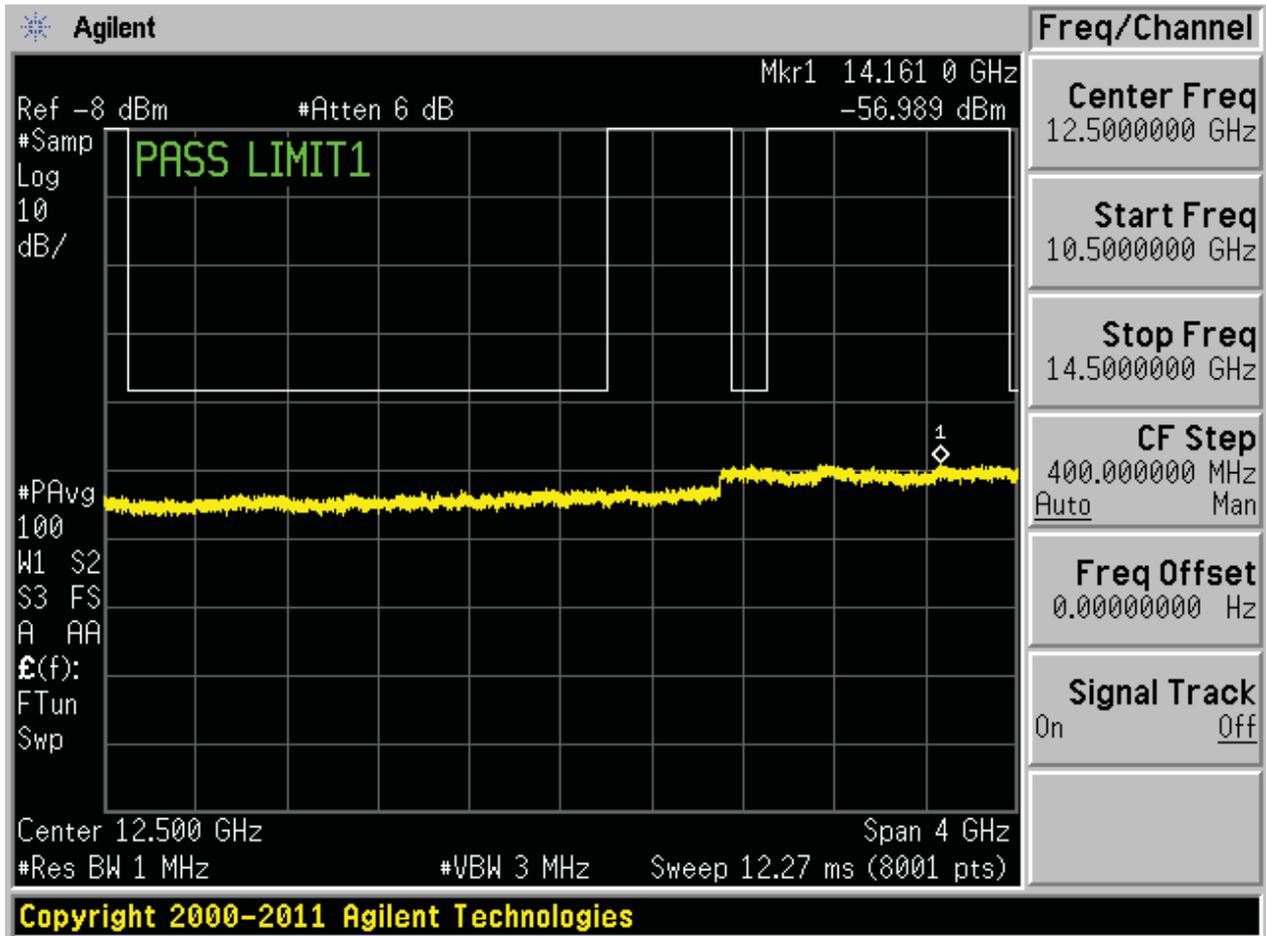


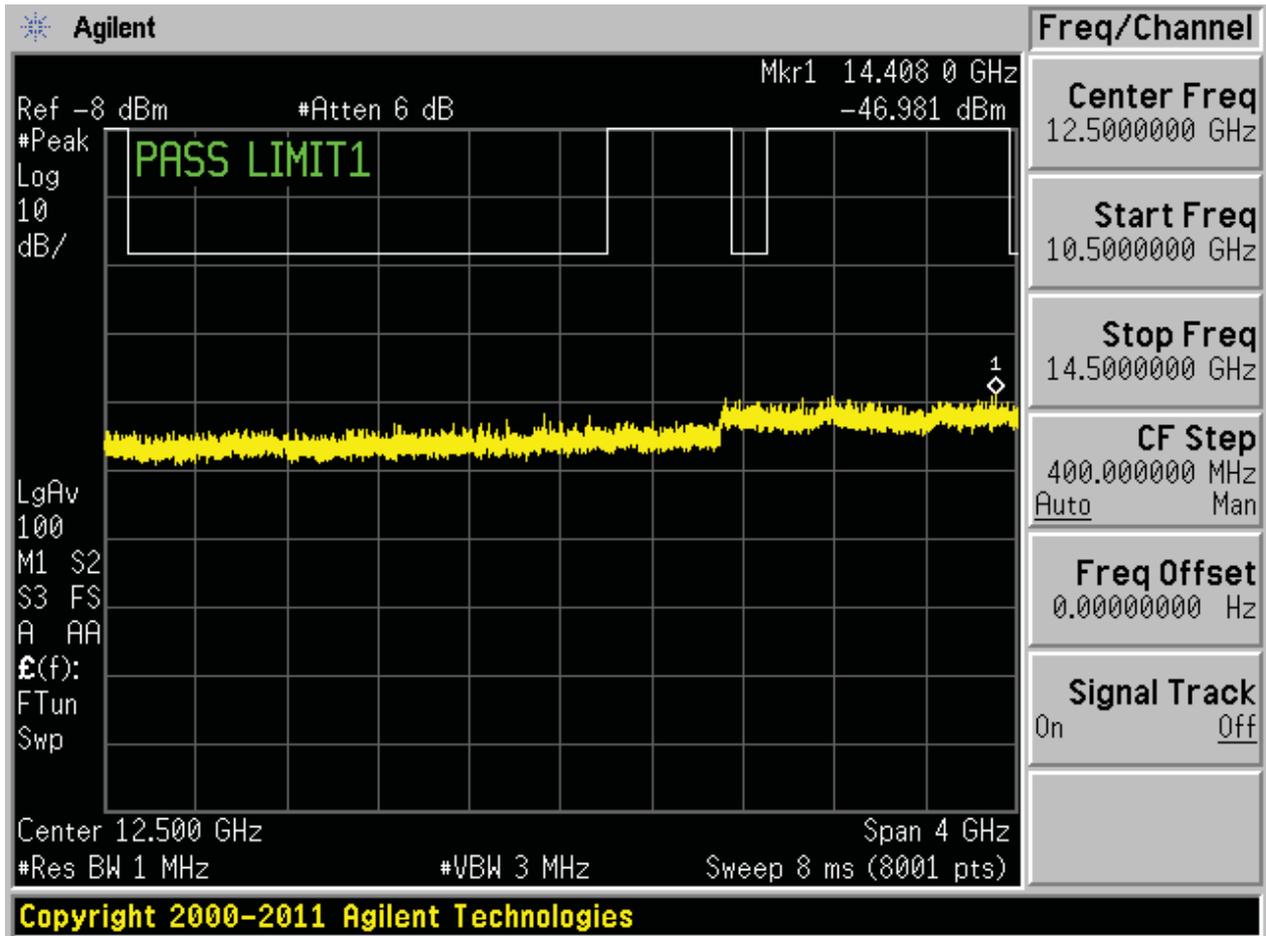


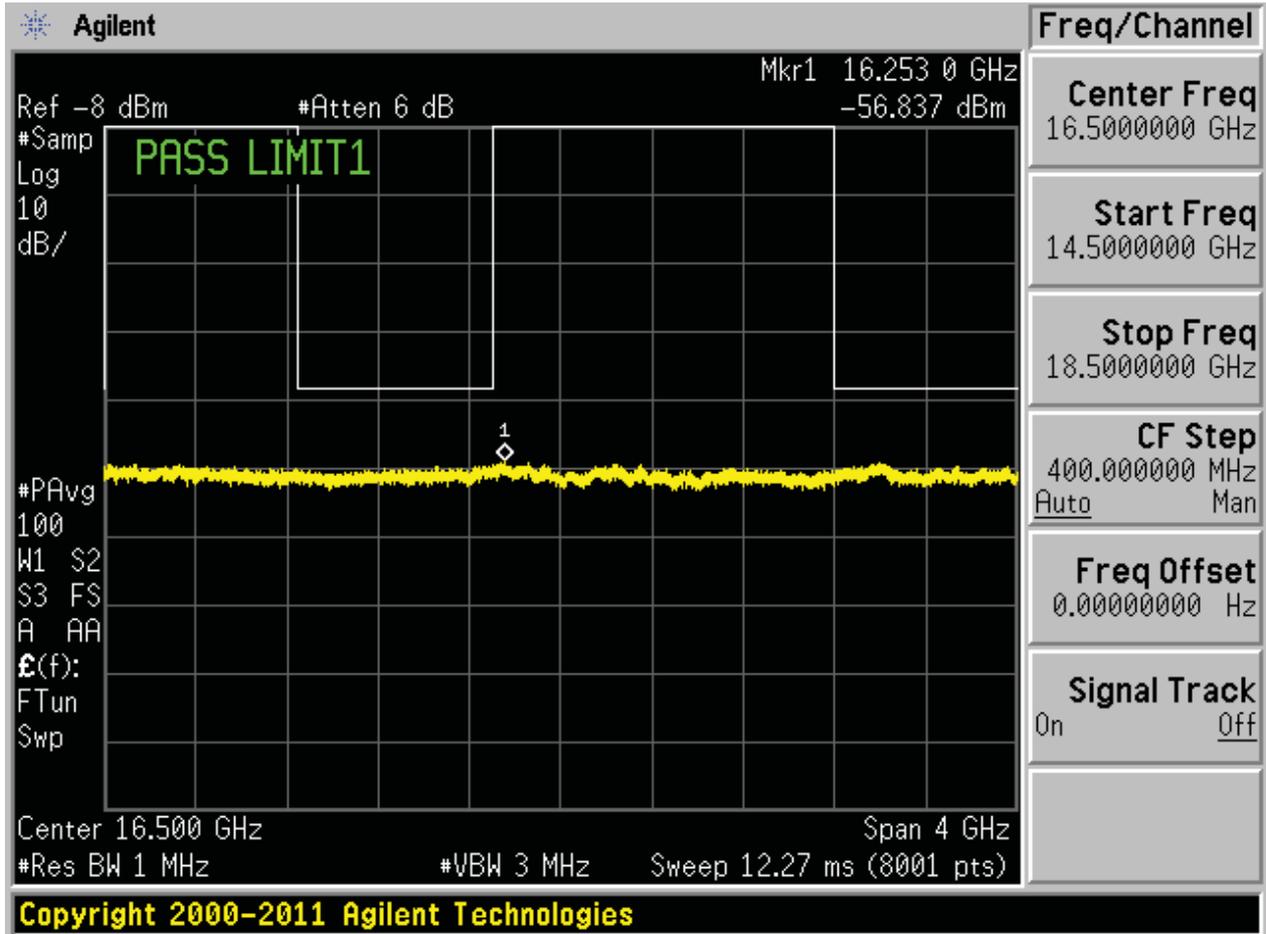


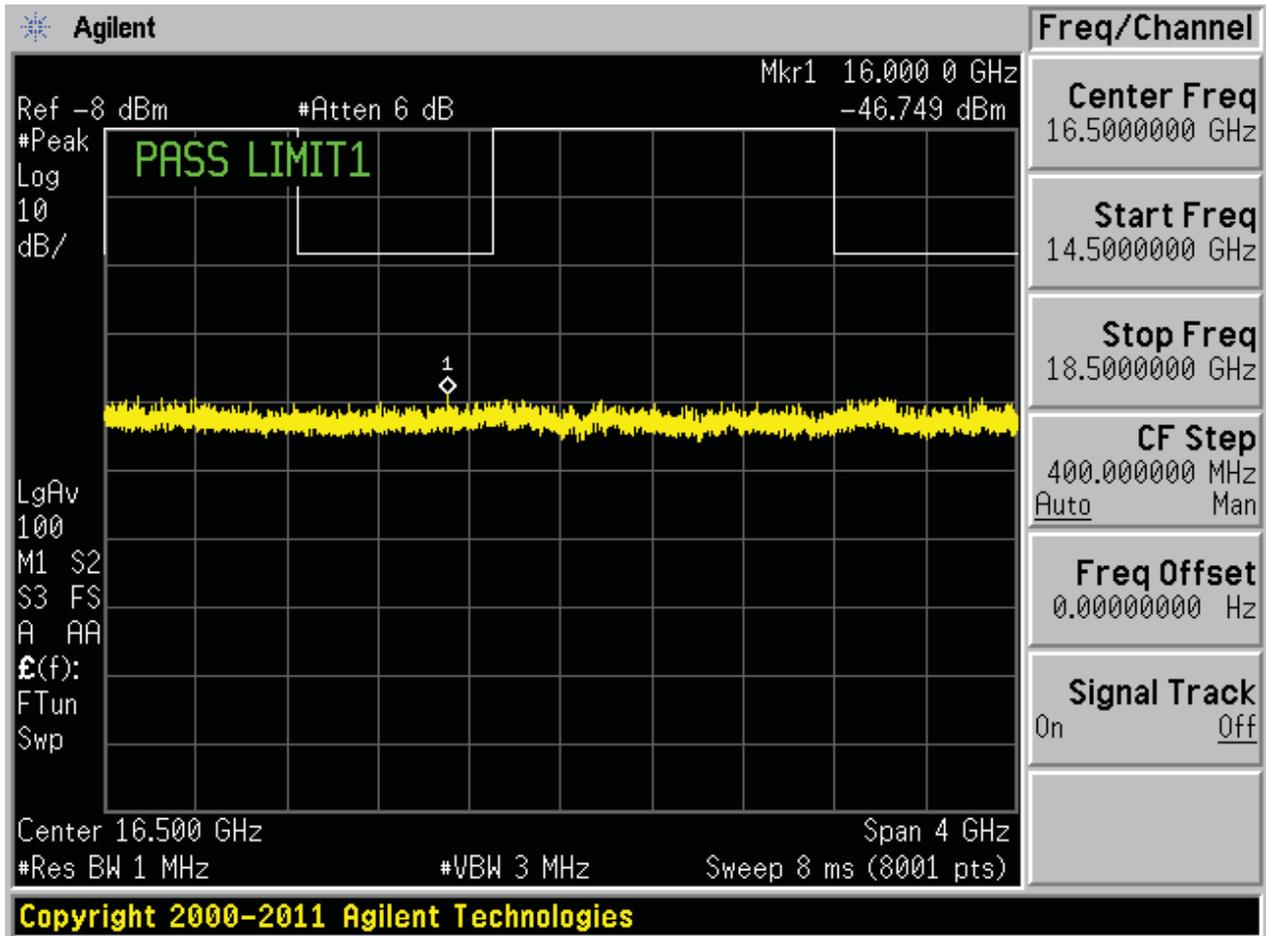


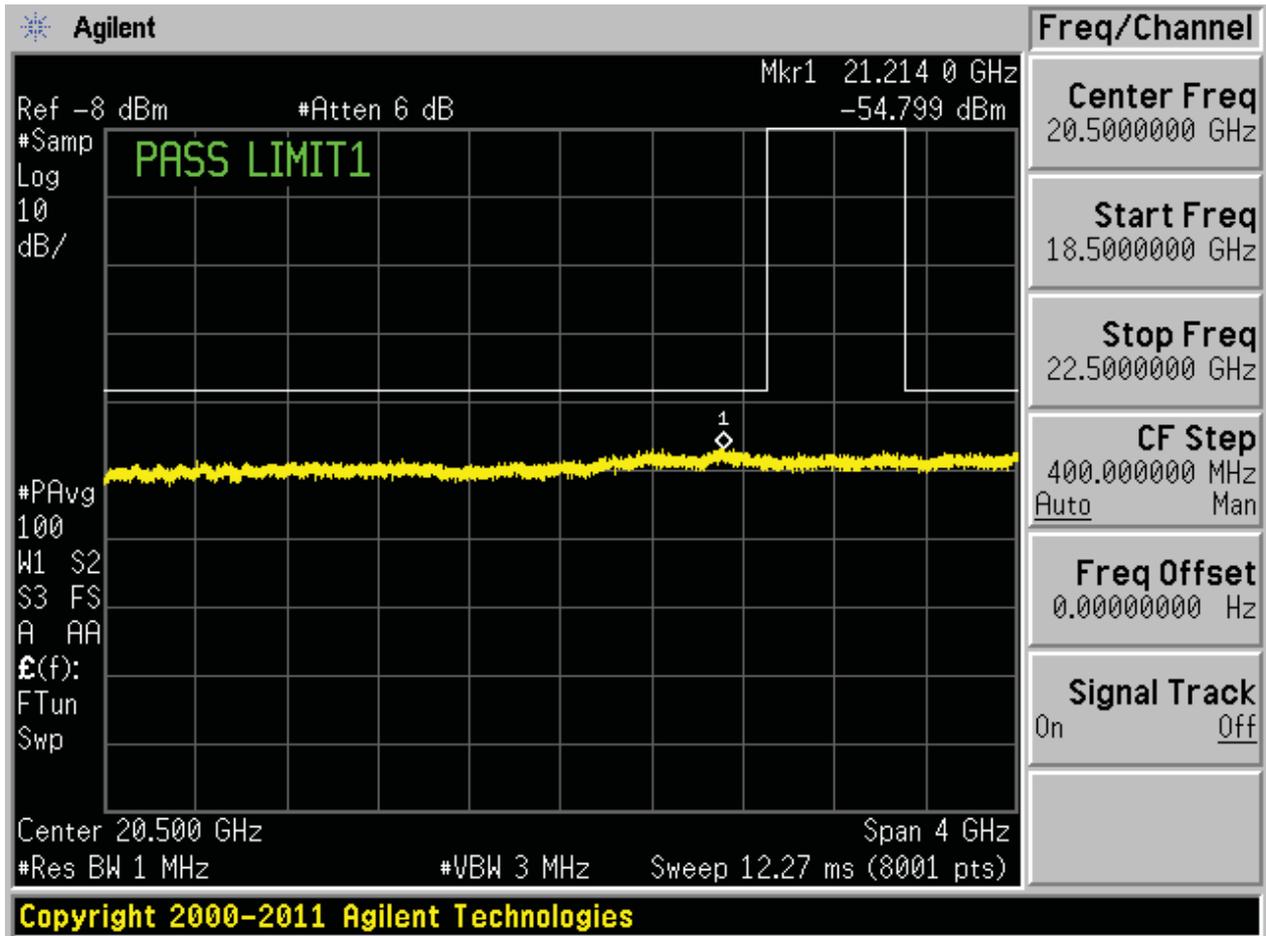


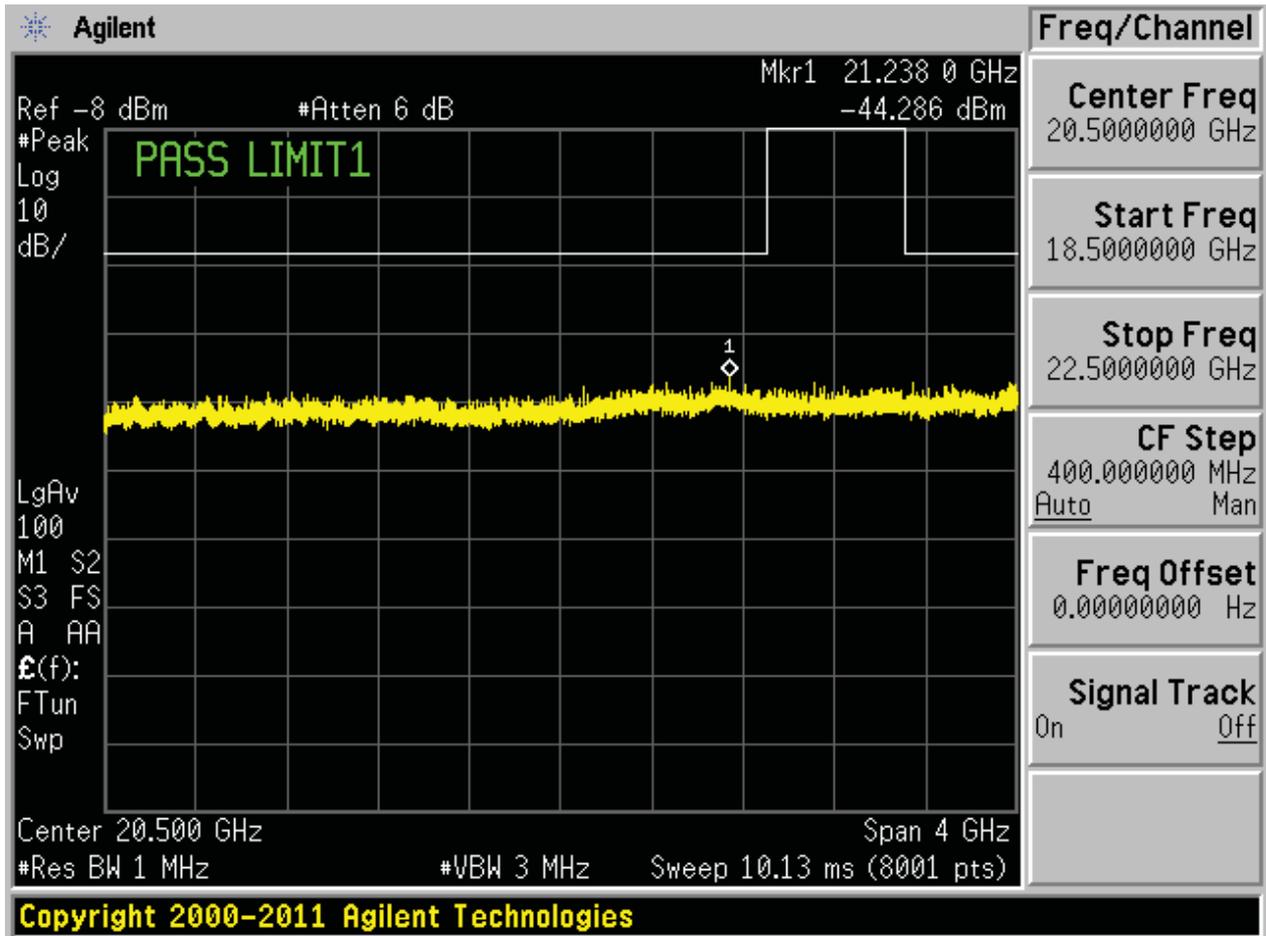


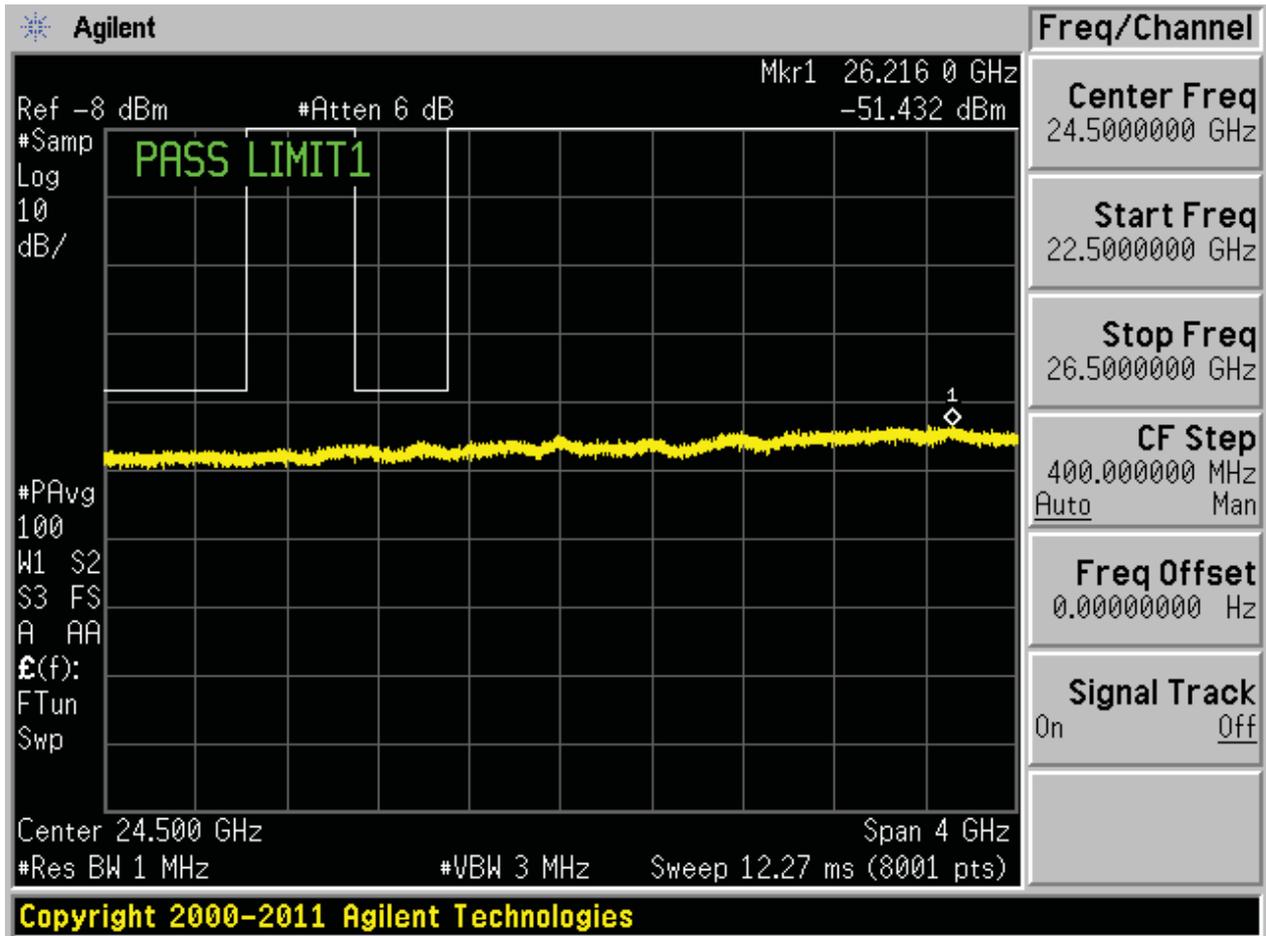


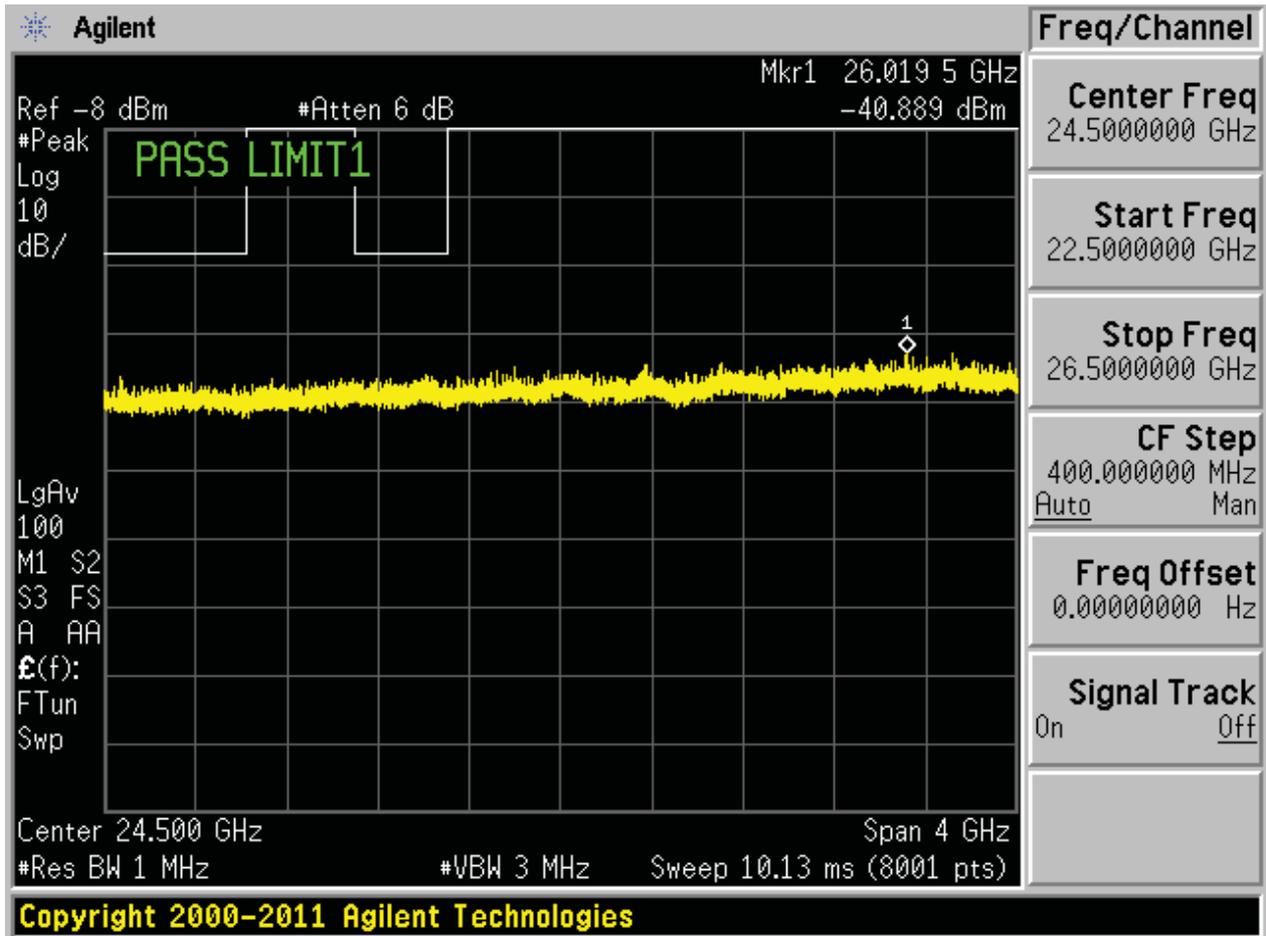


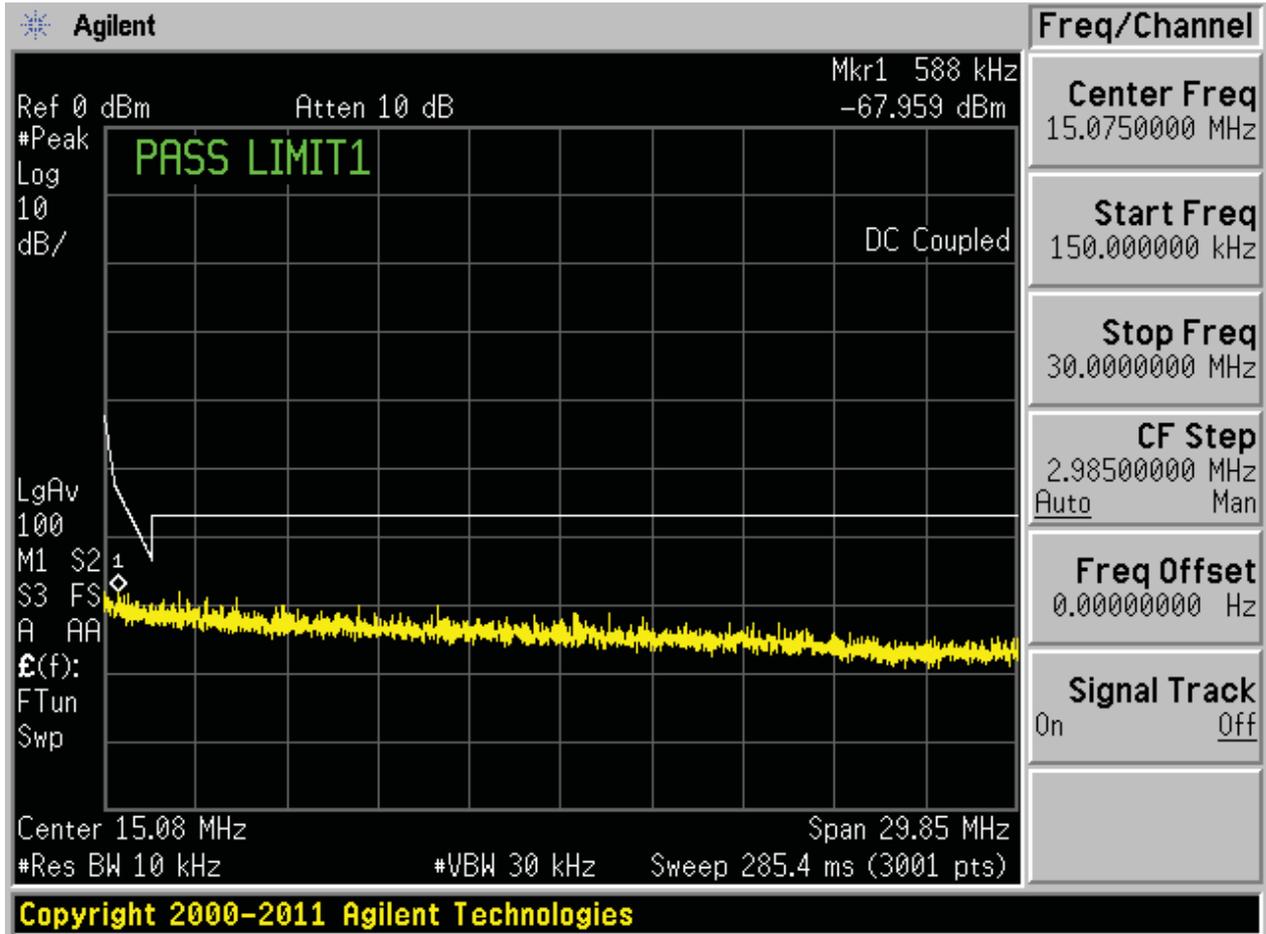


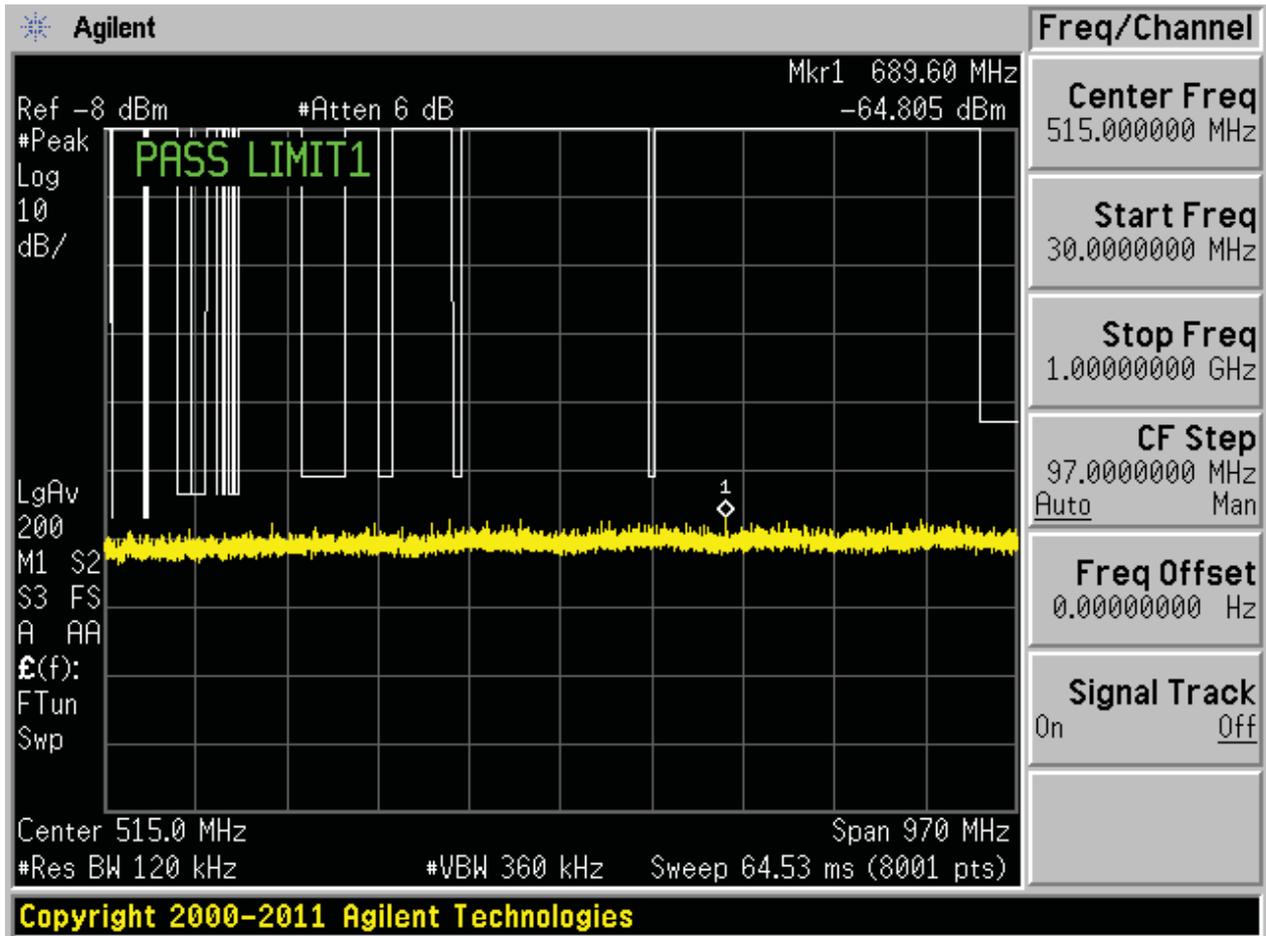


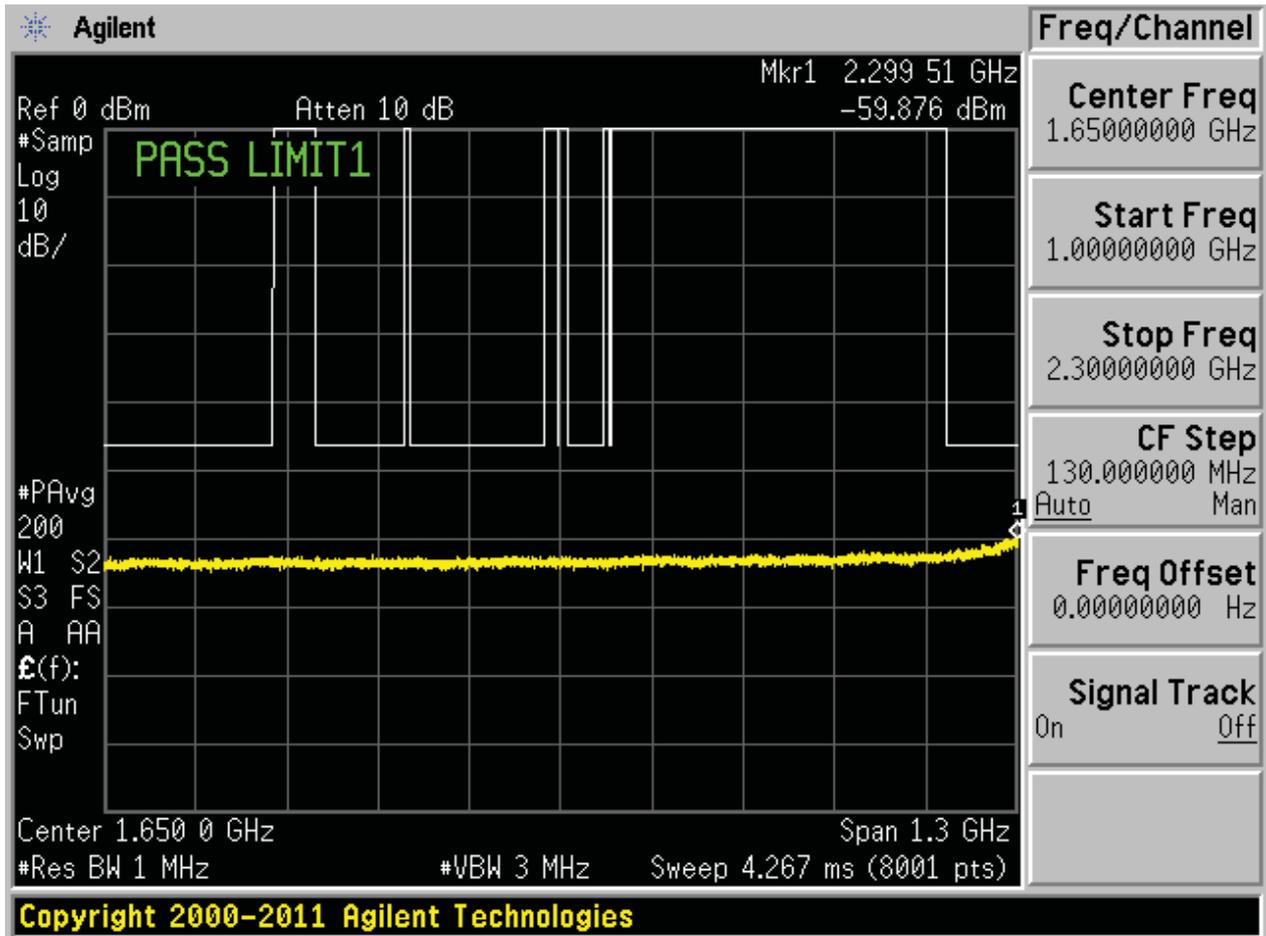


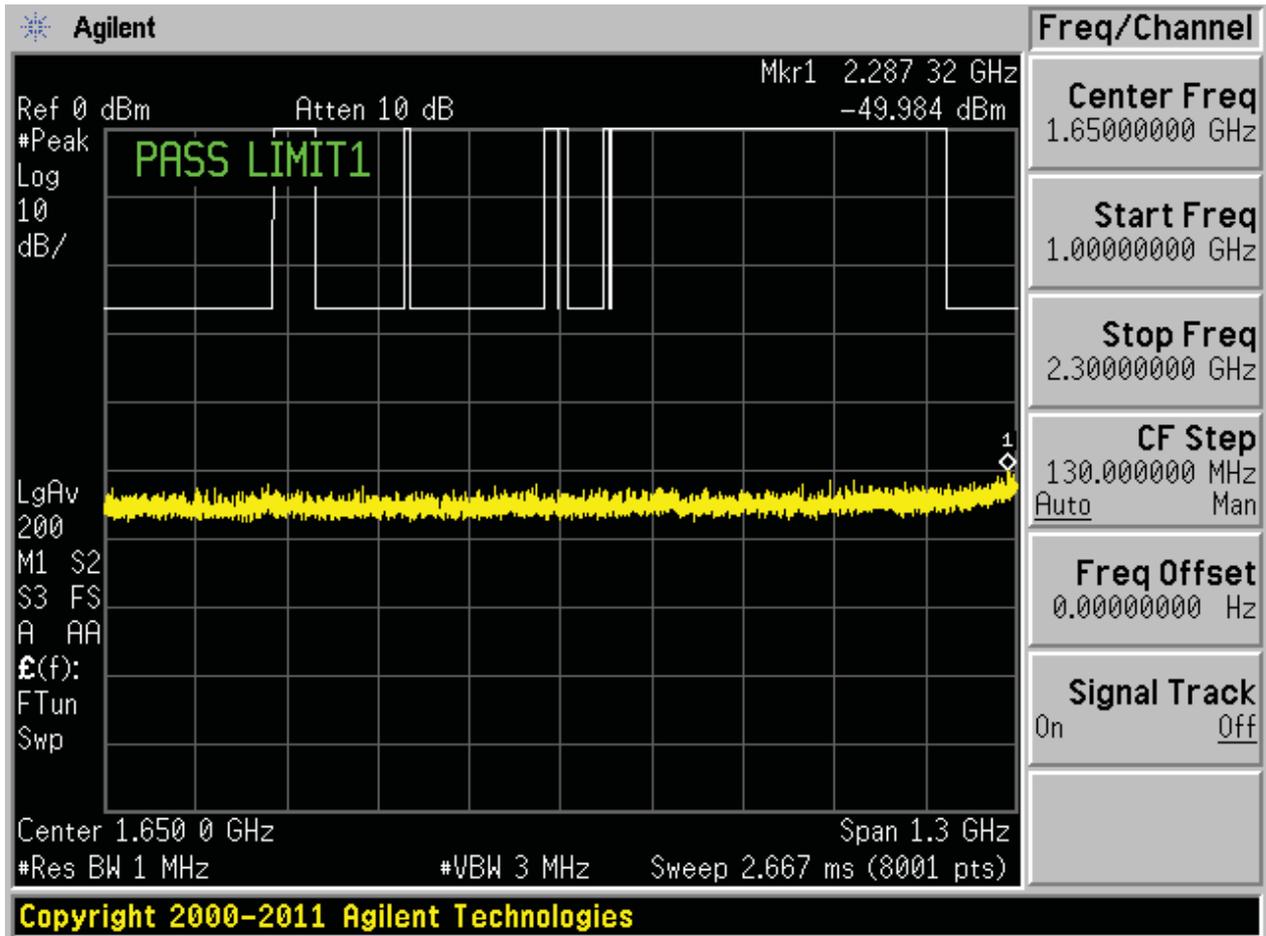


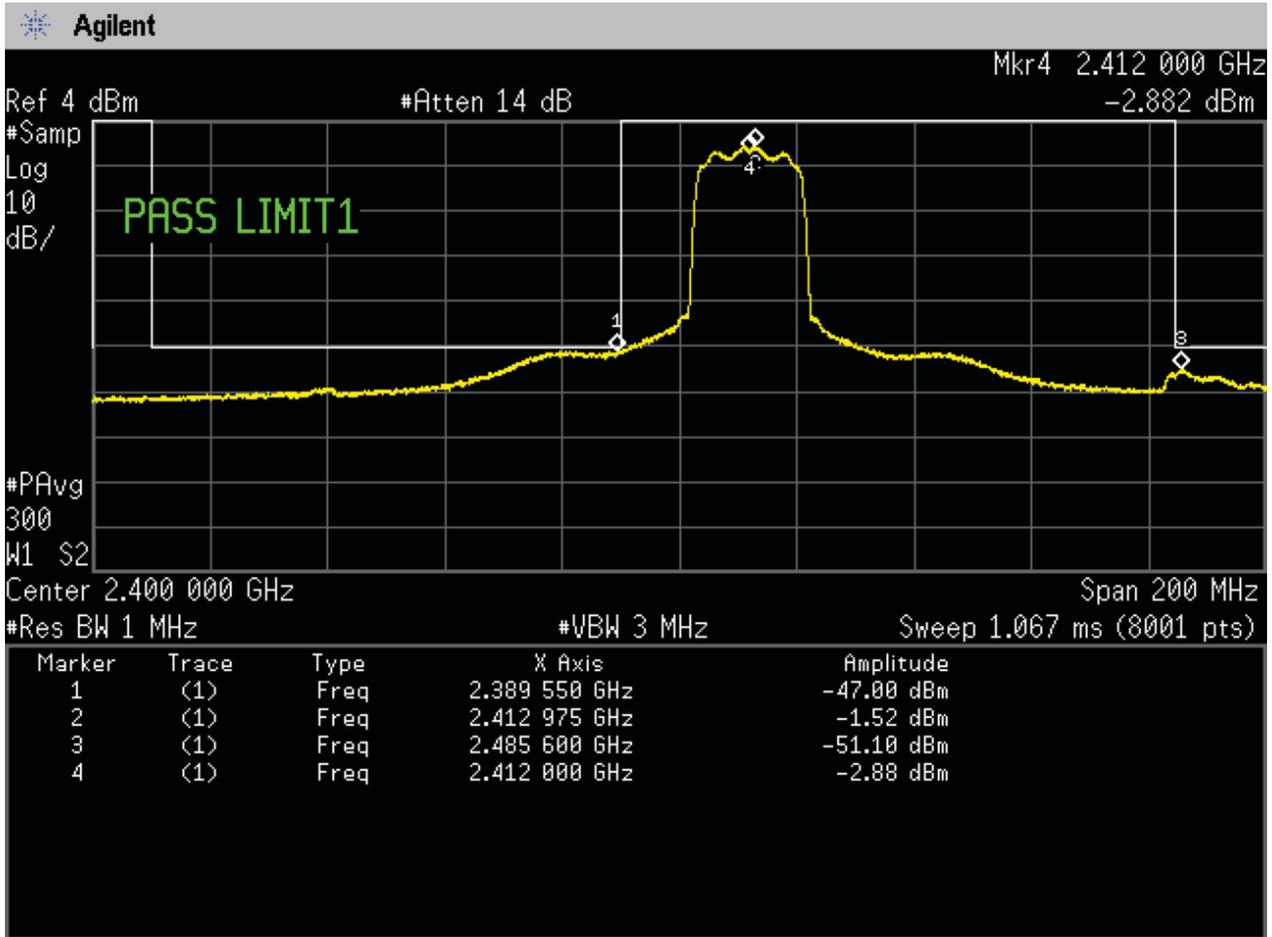


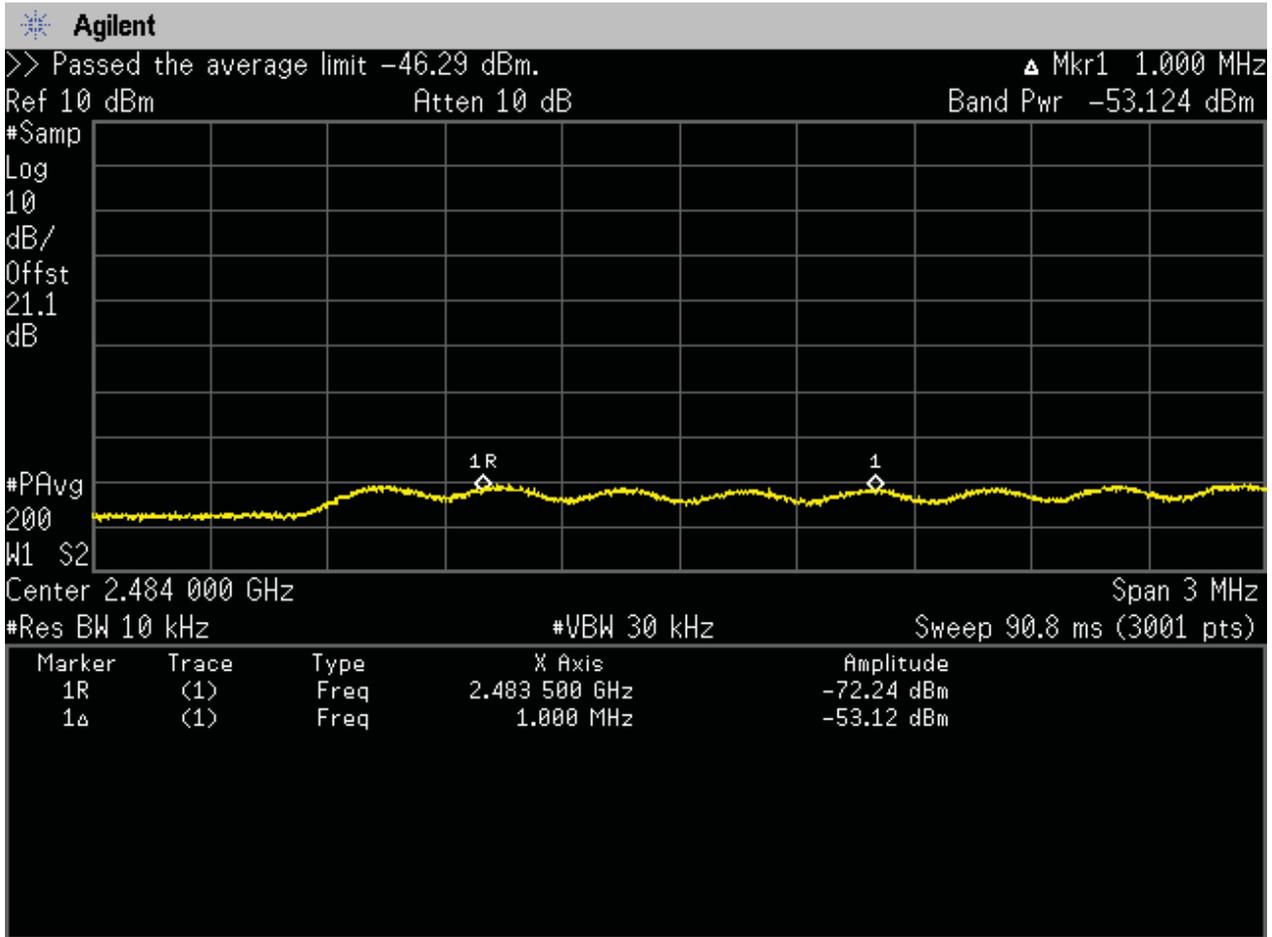


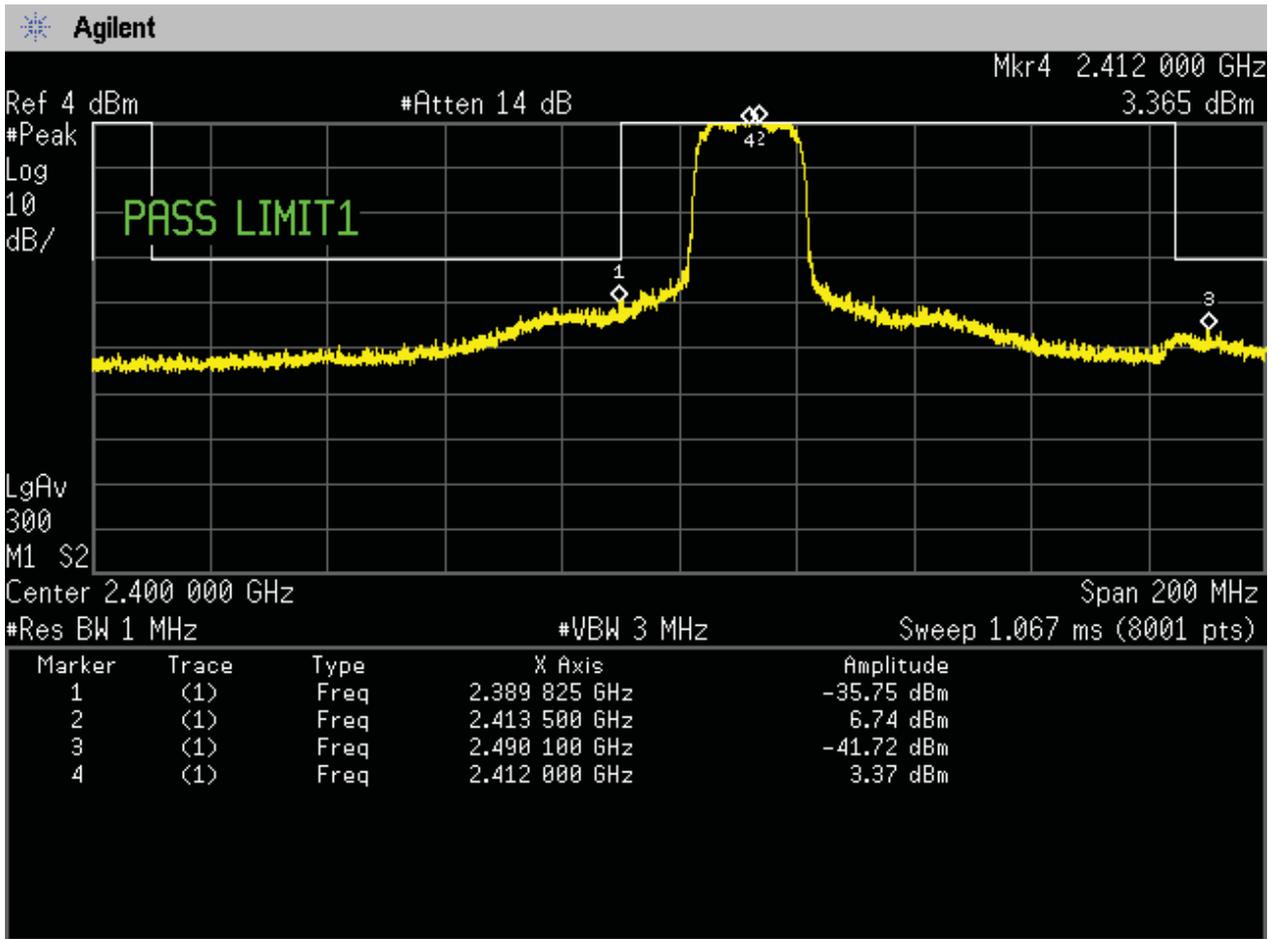






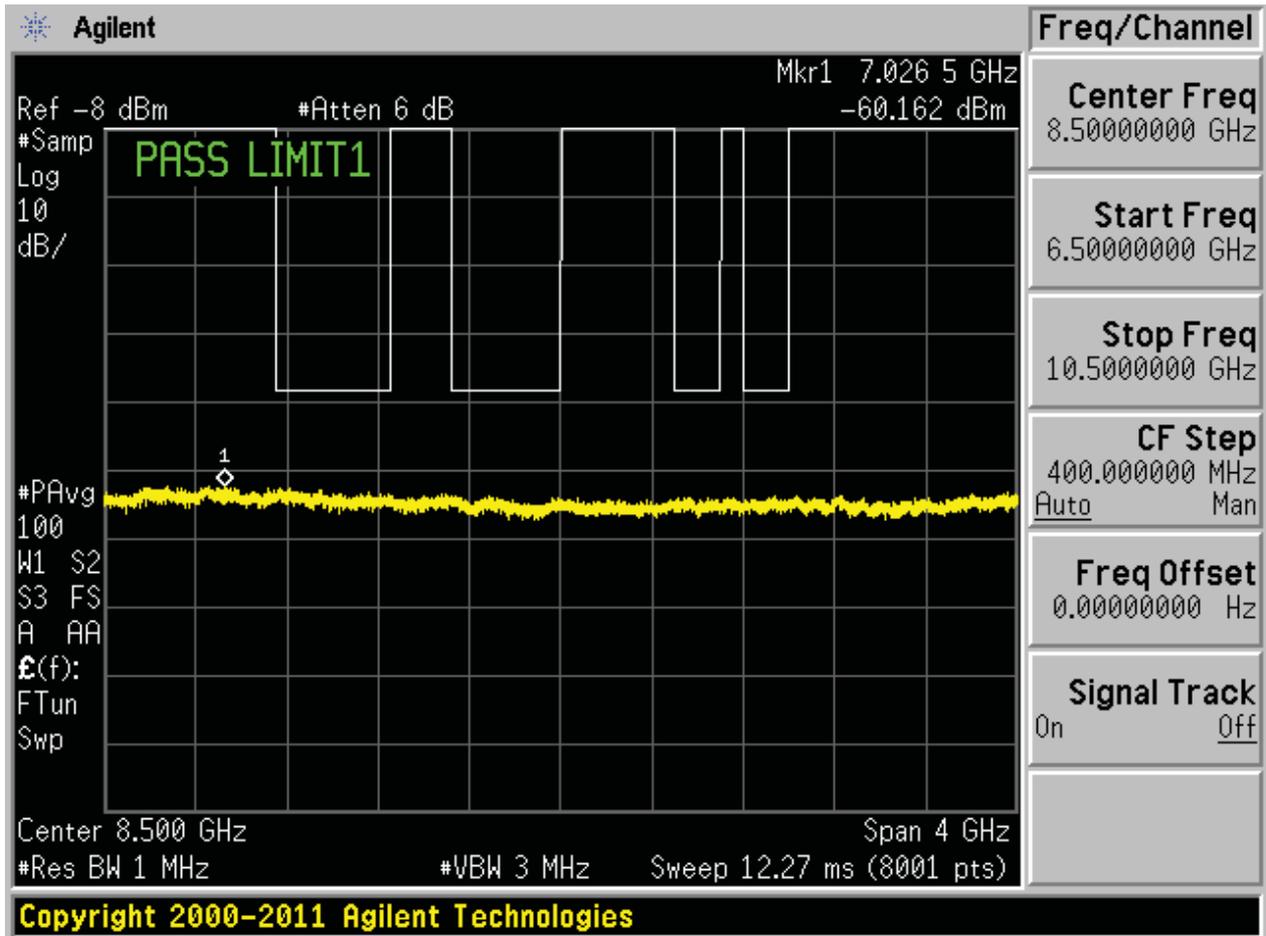


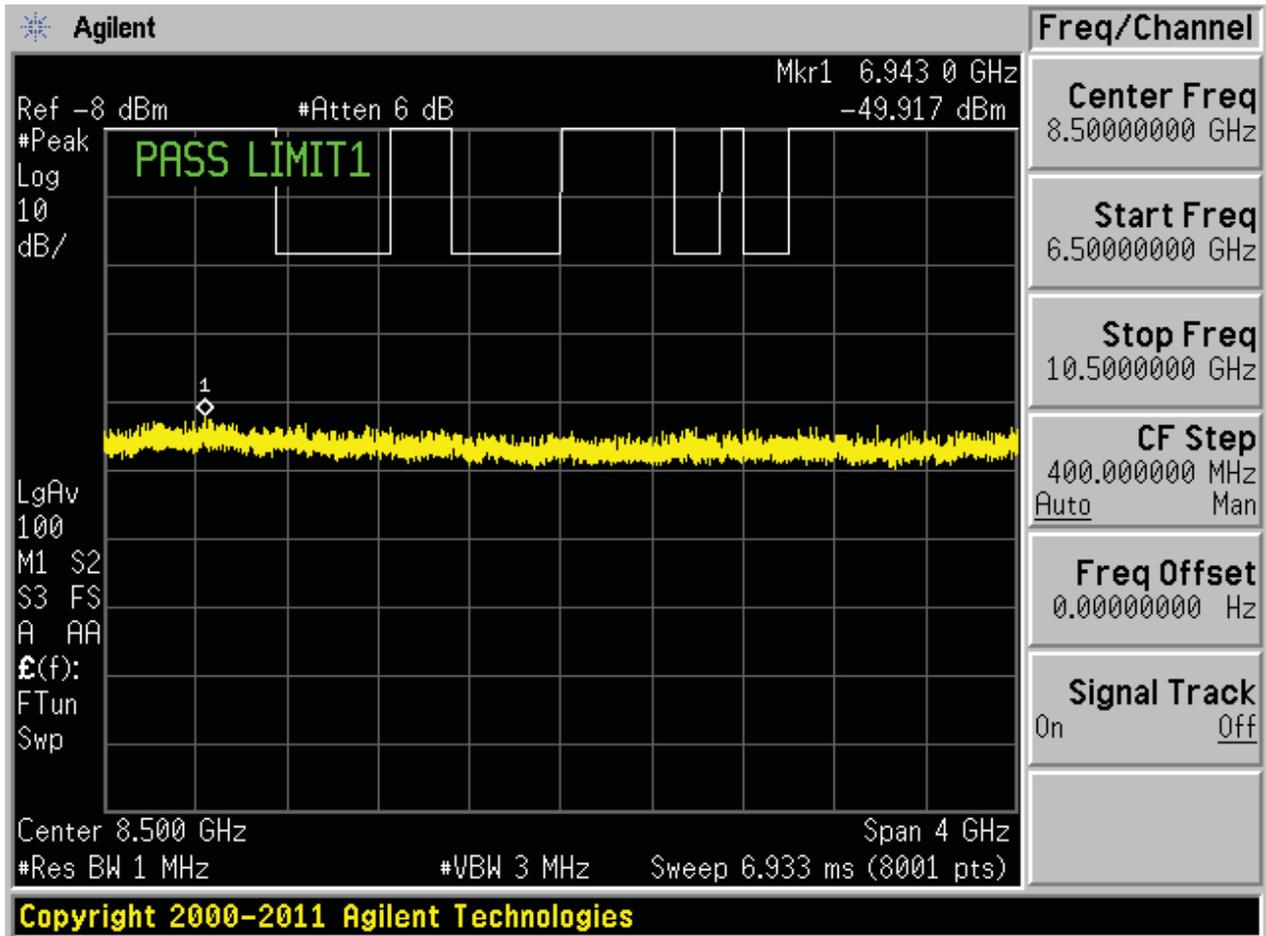


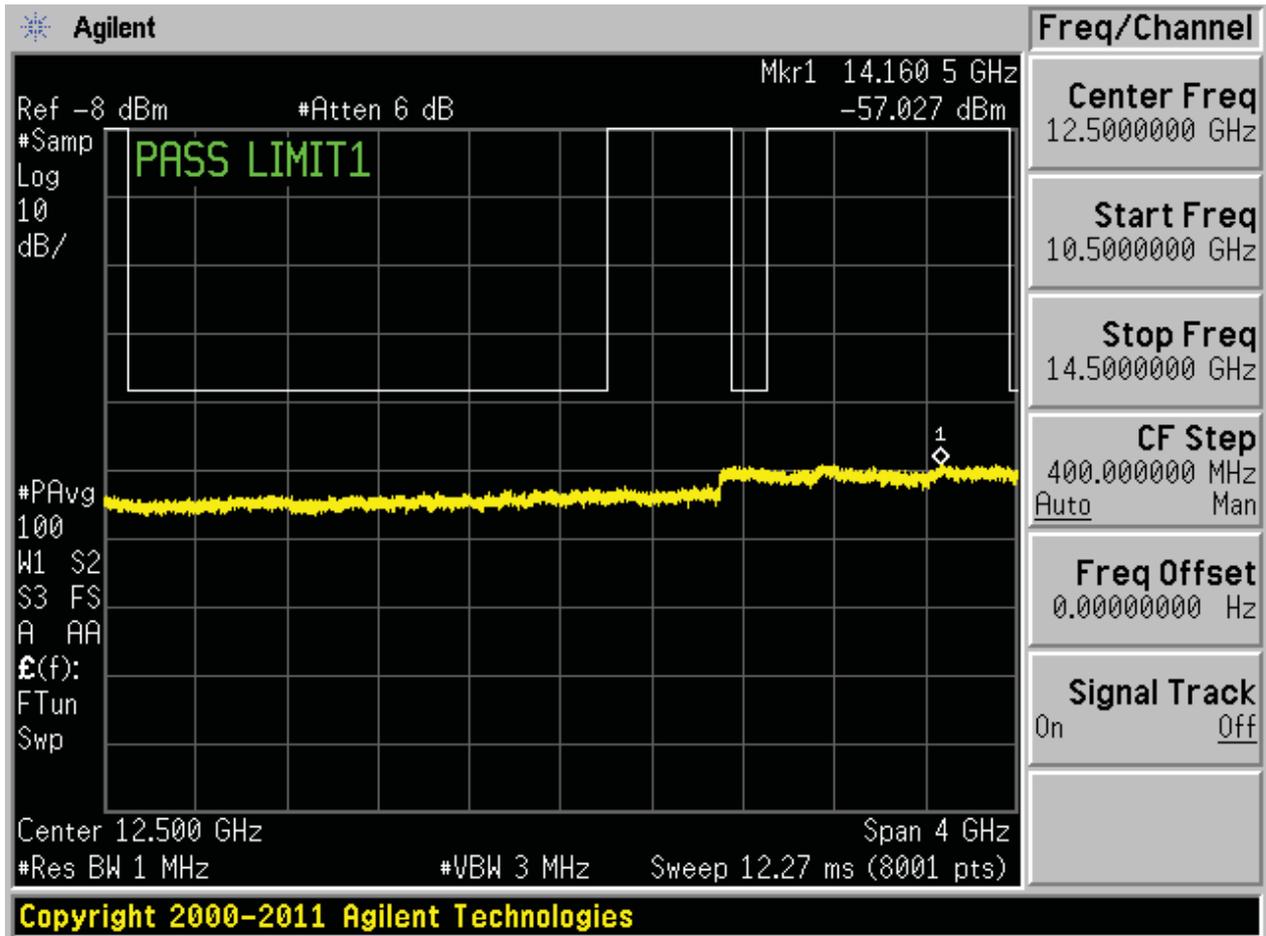


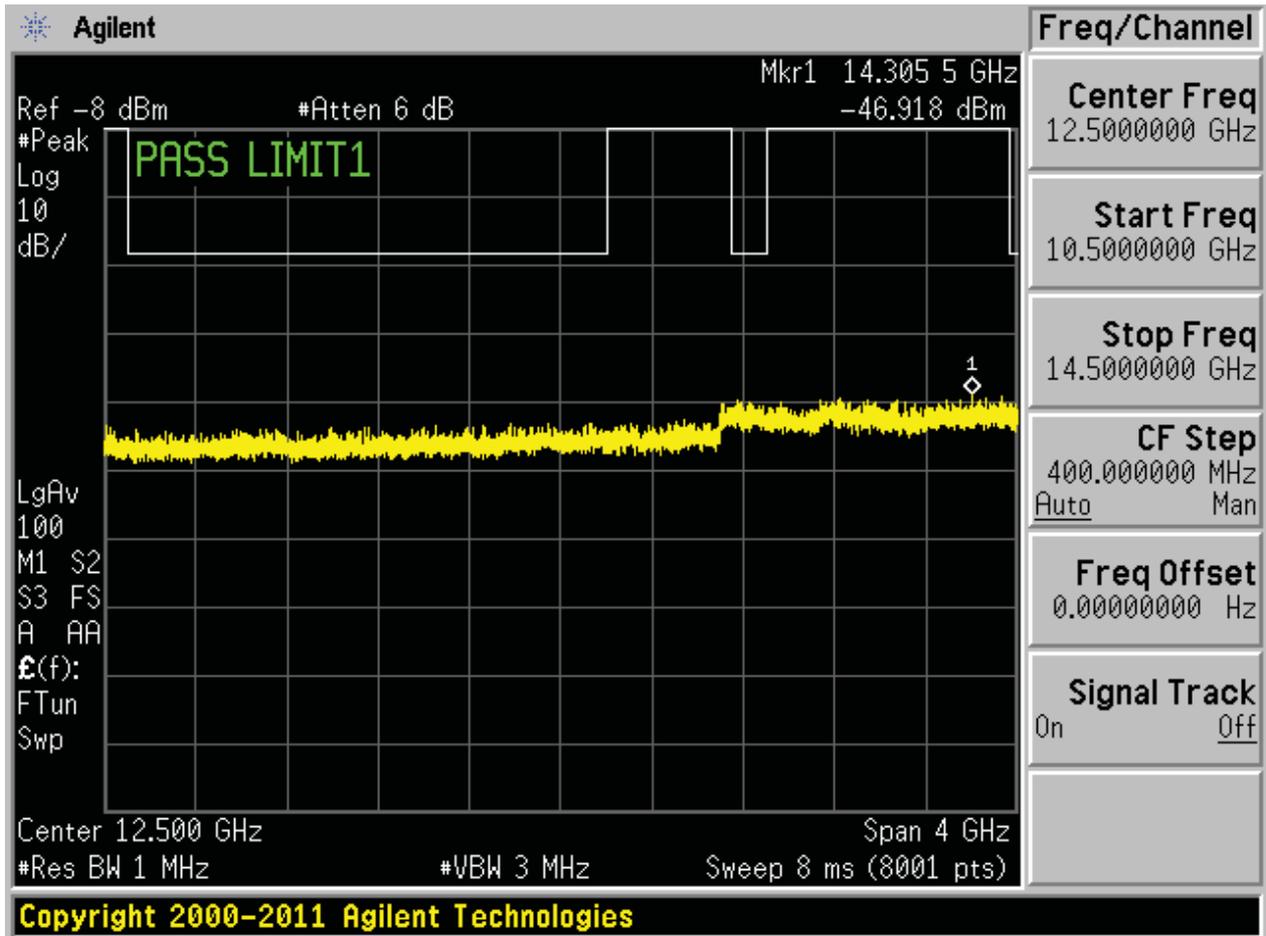
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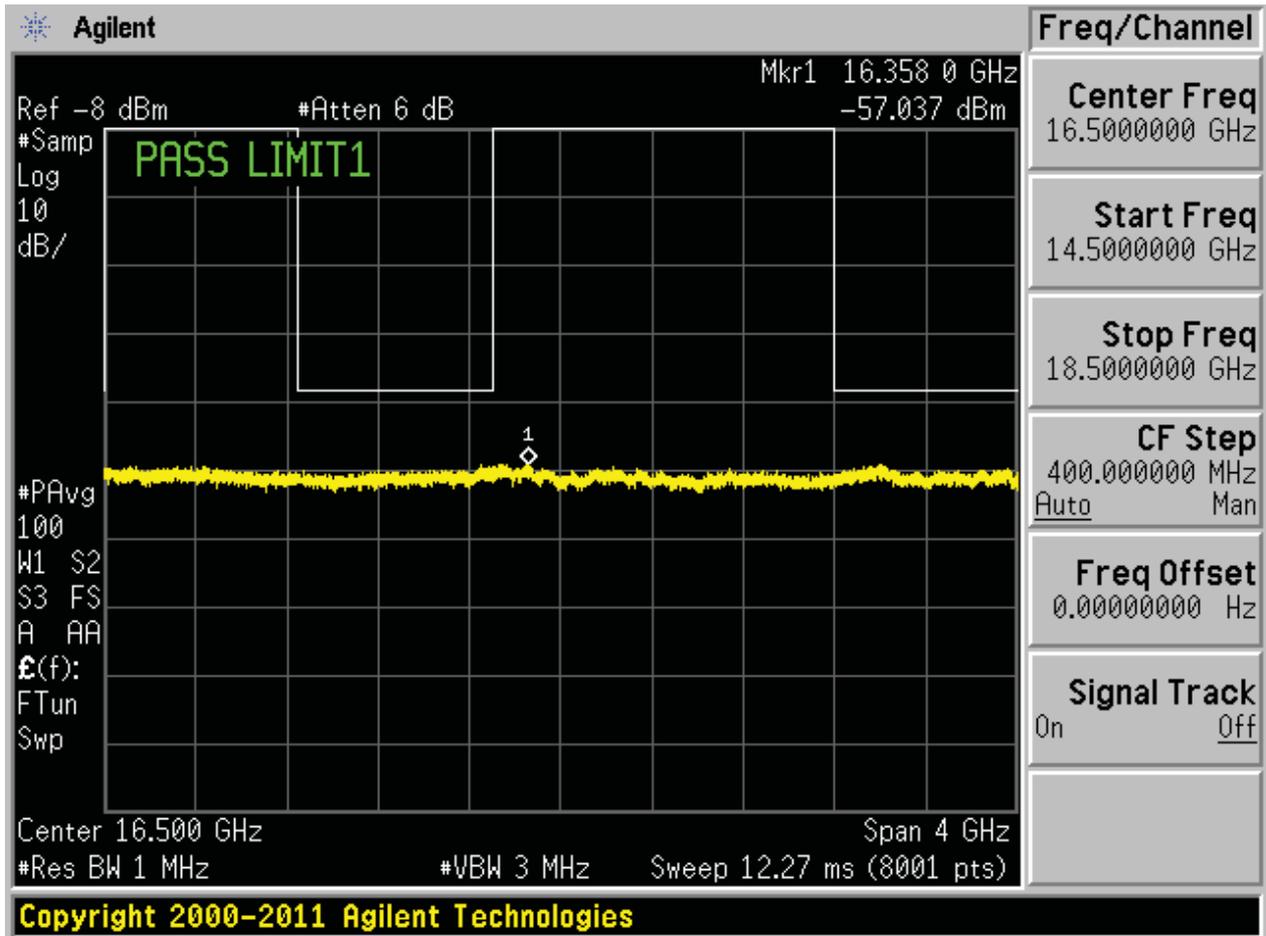
2.26.1 Ant 1

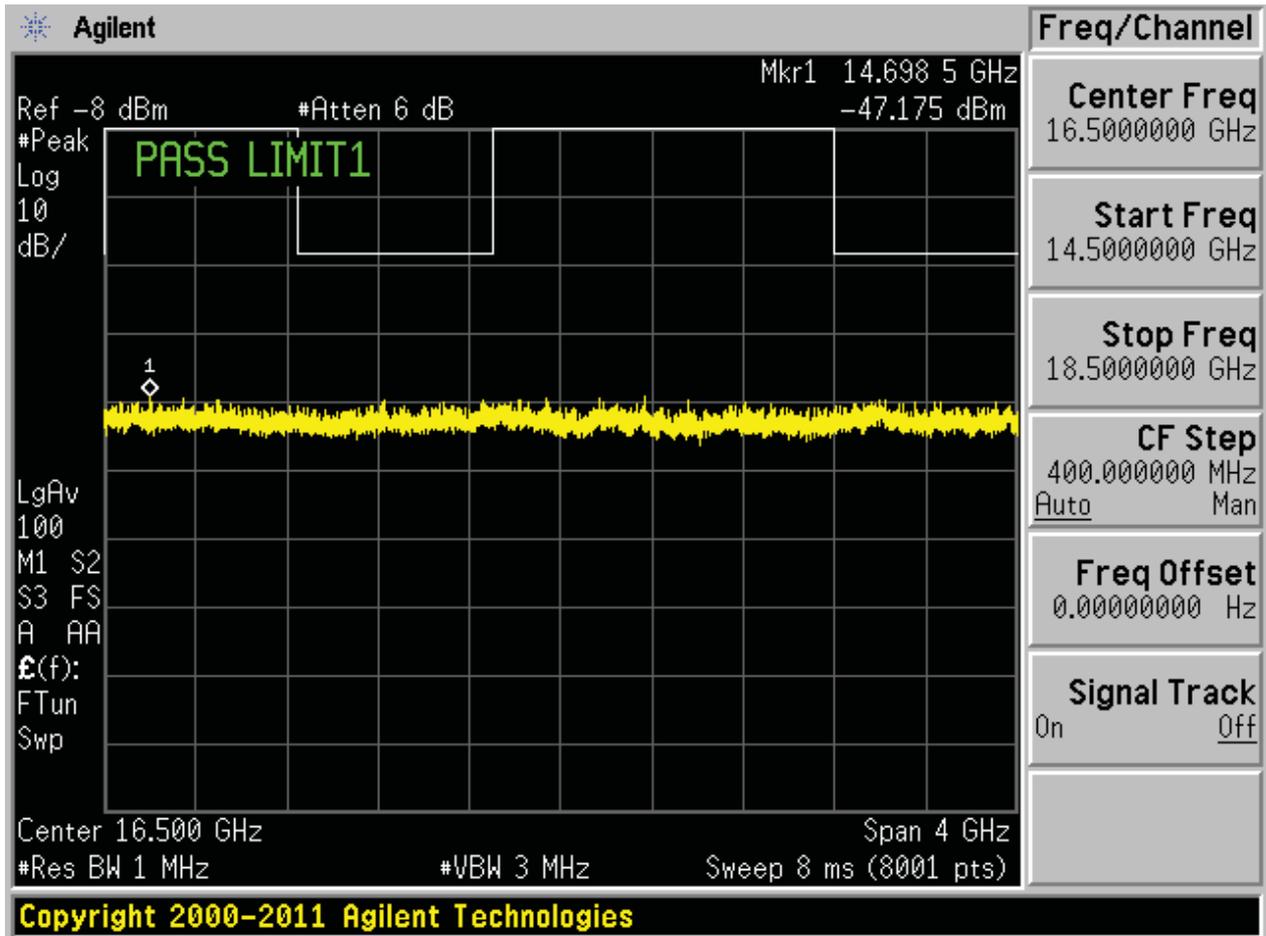


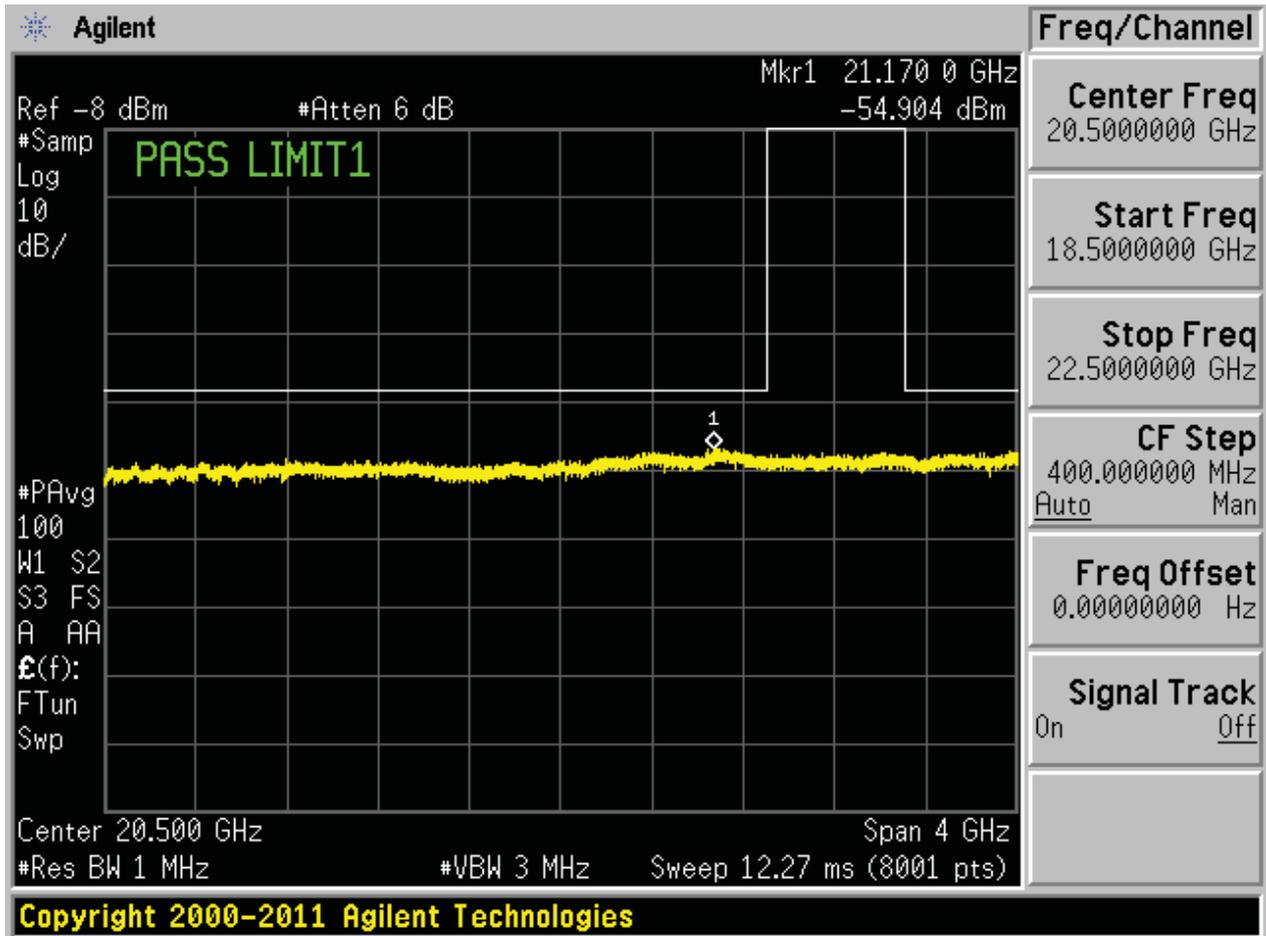


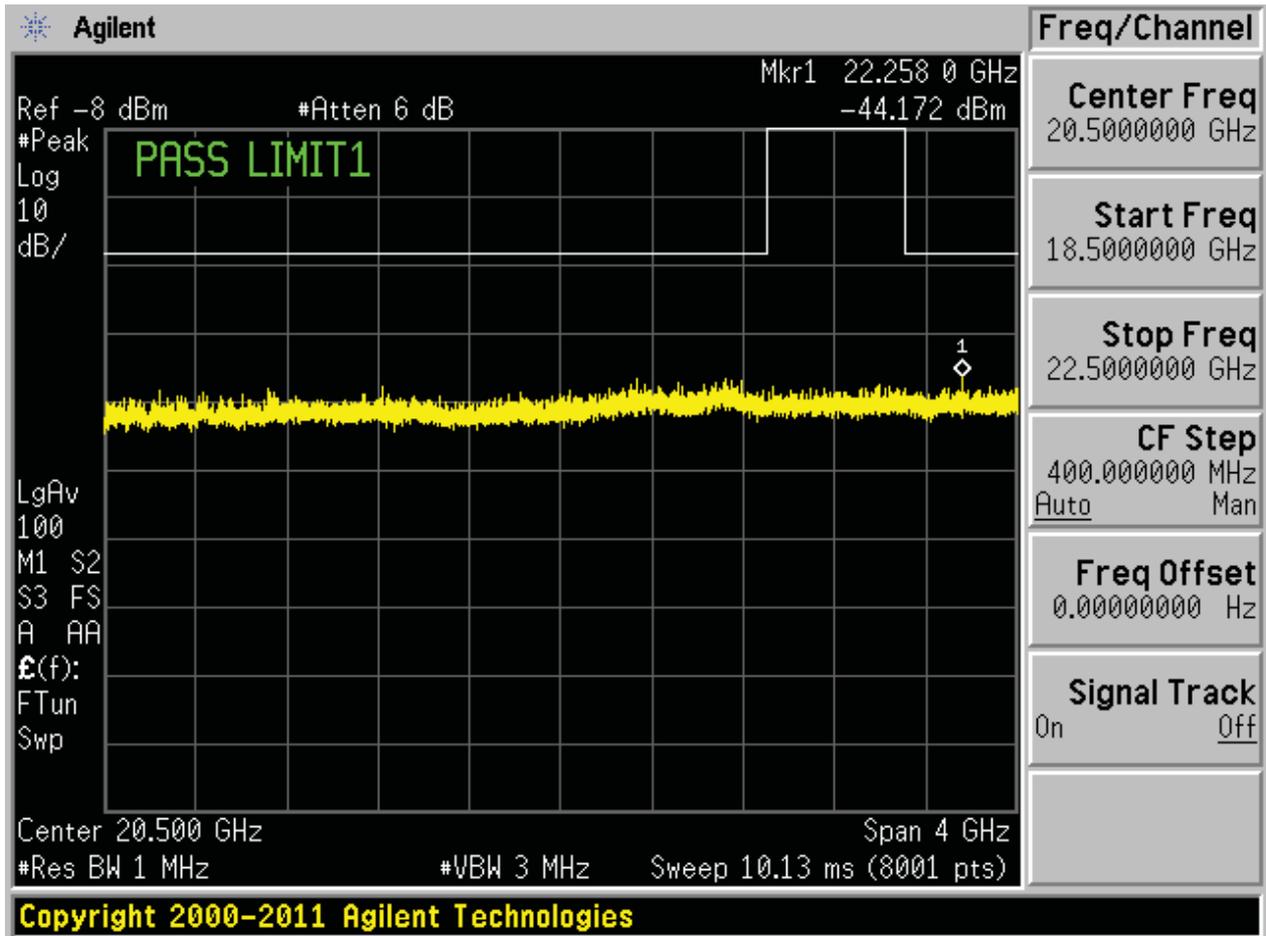


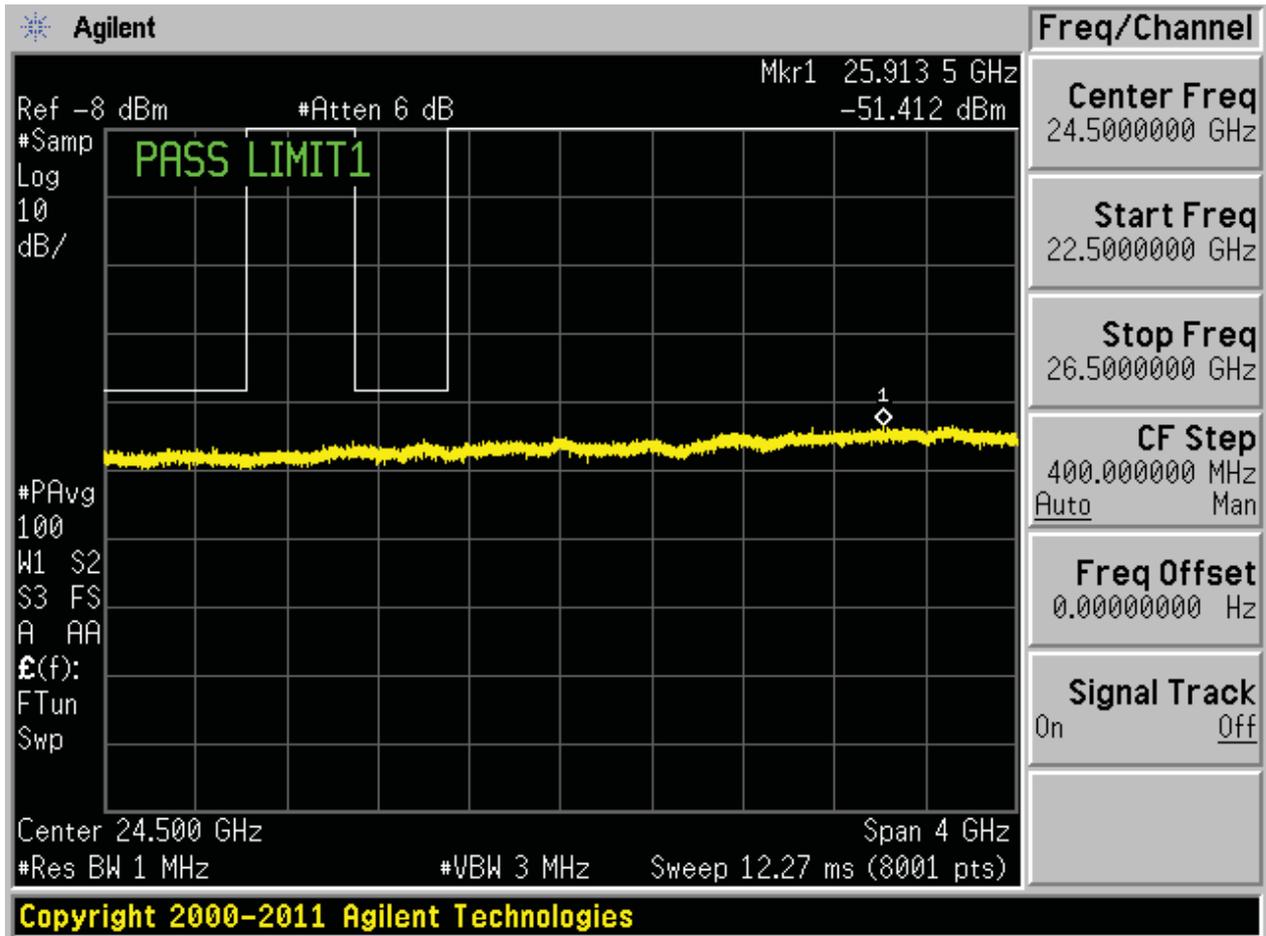


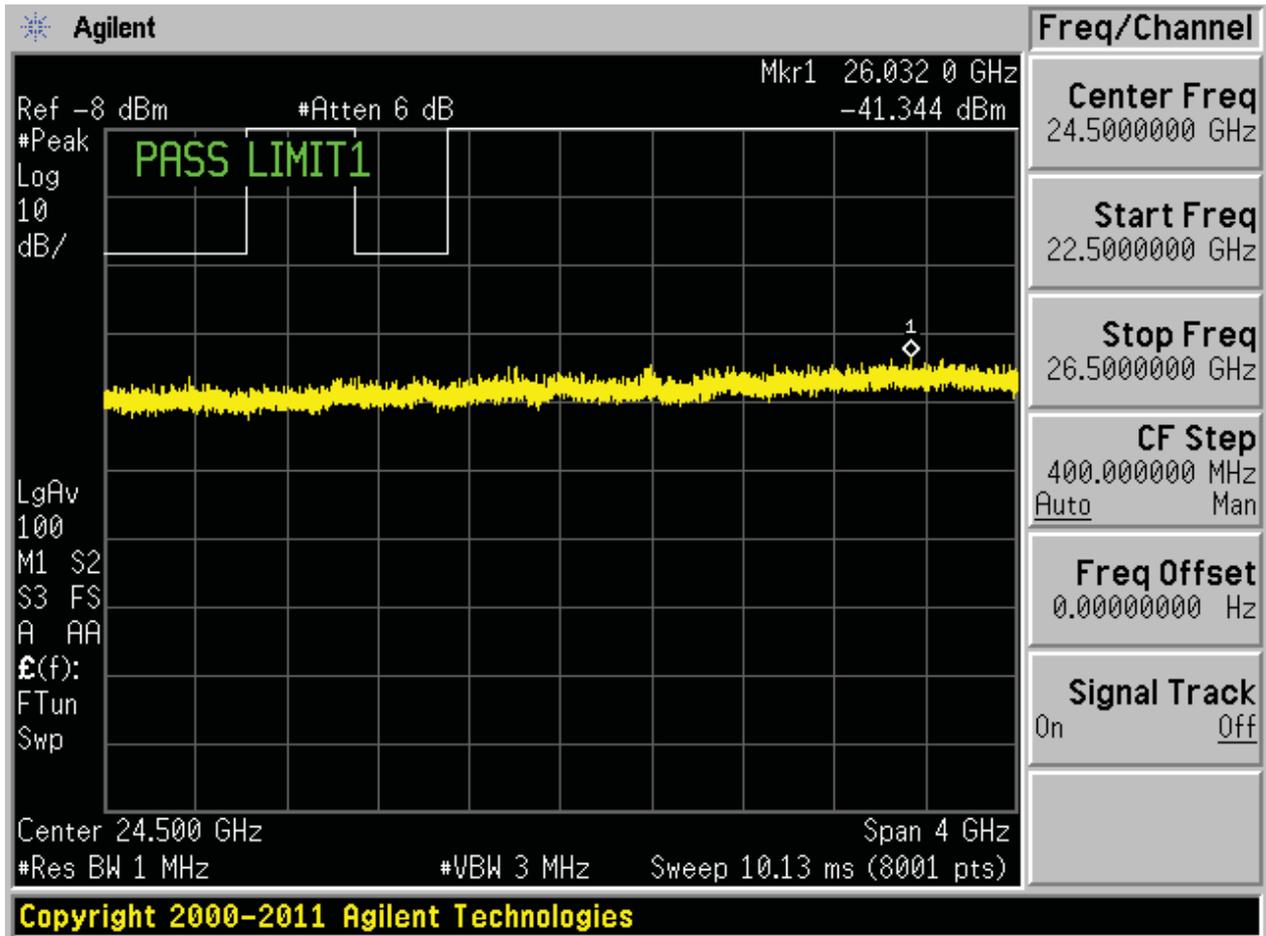


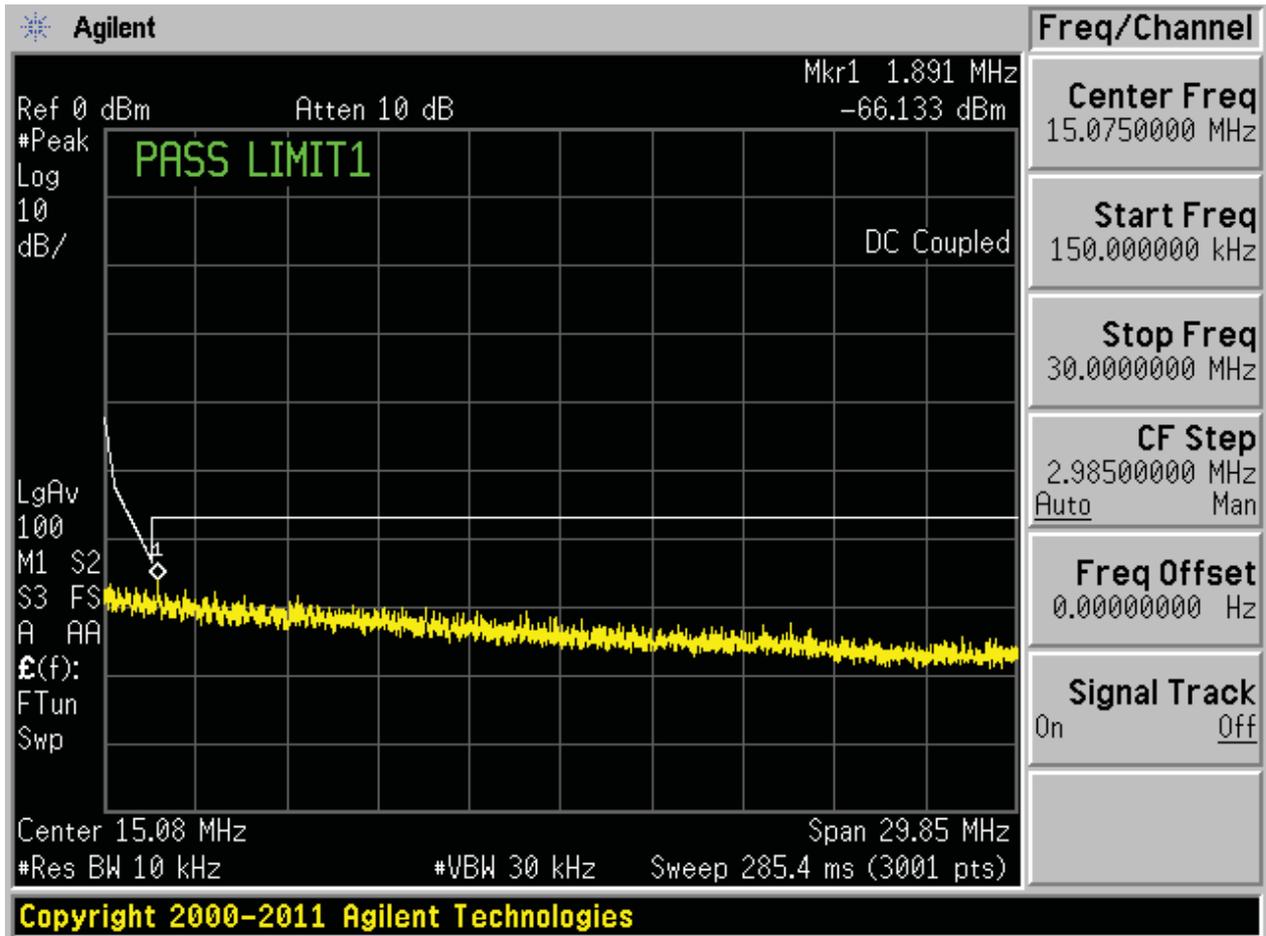


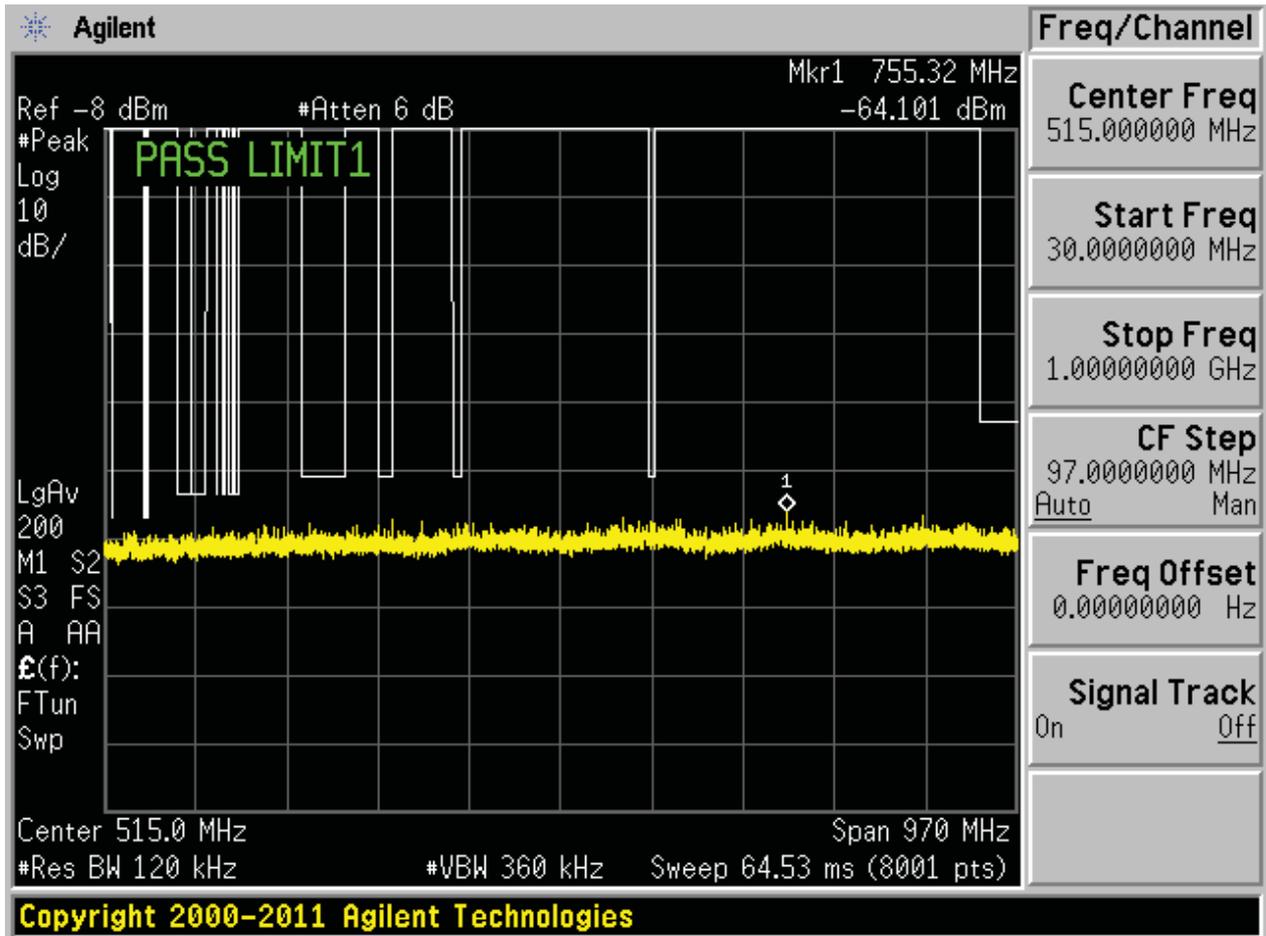


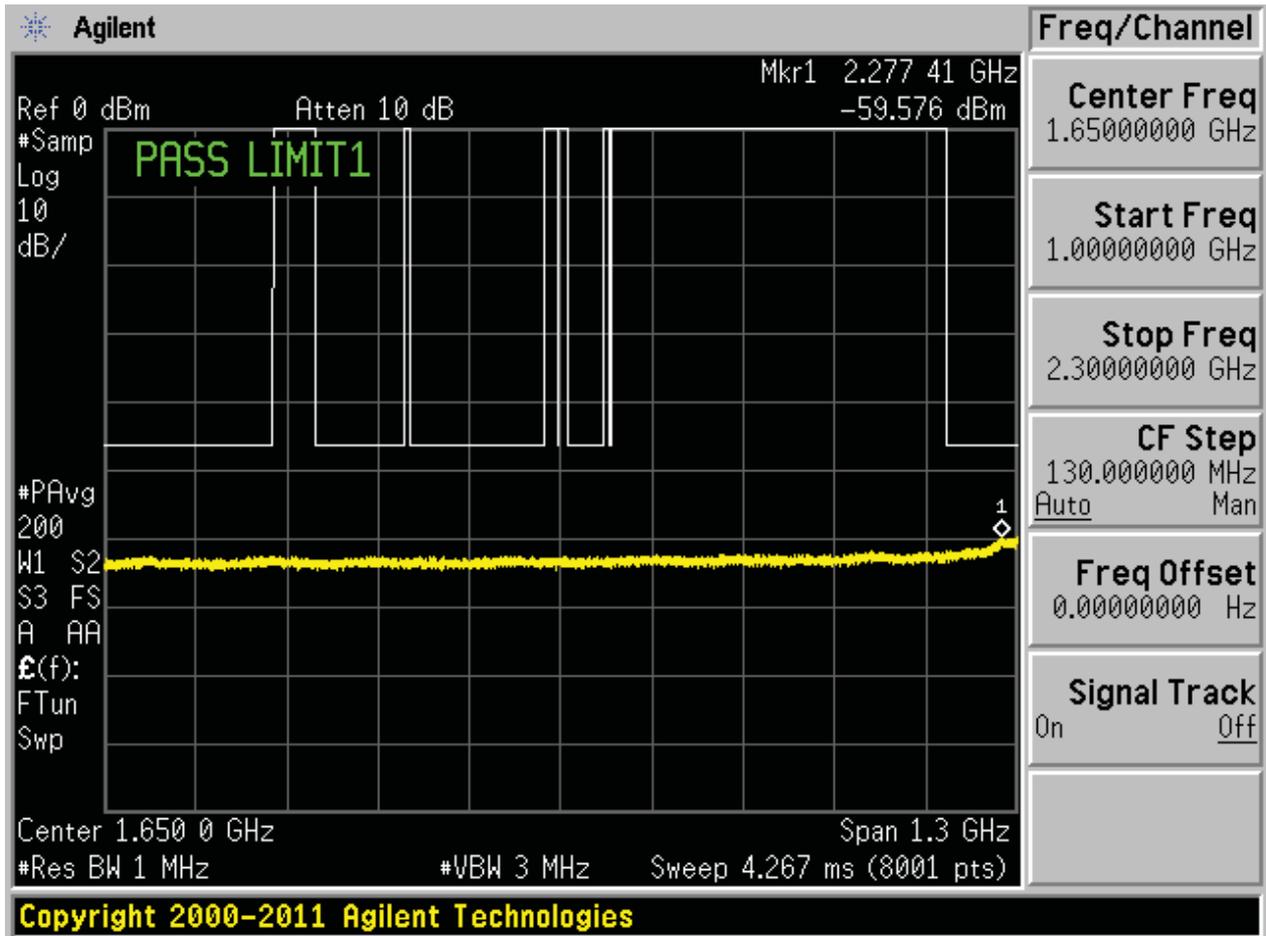


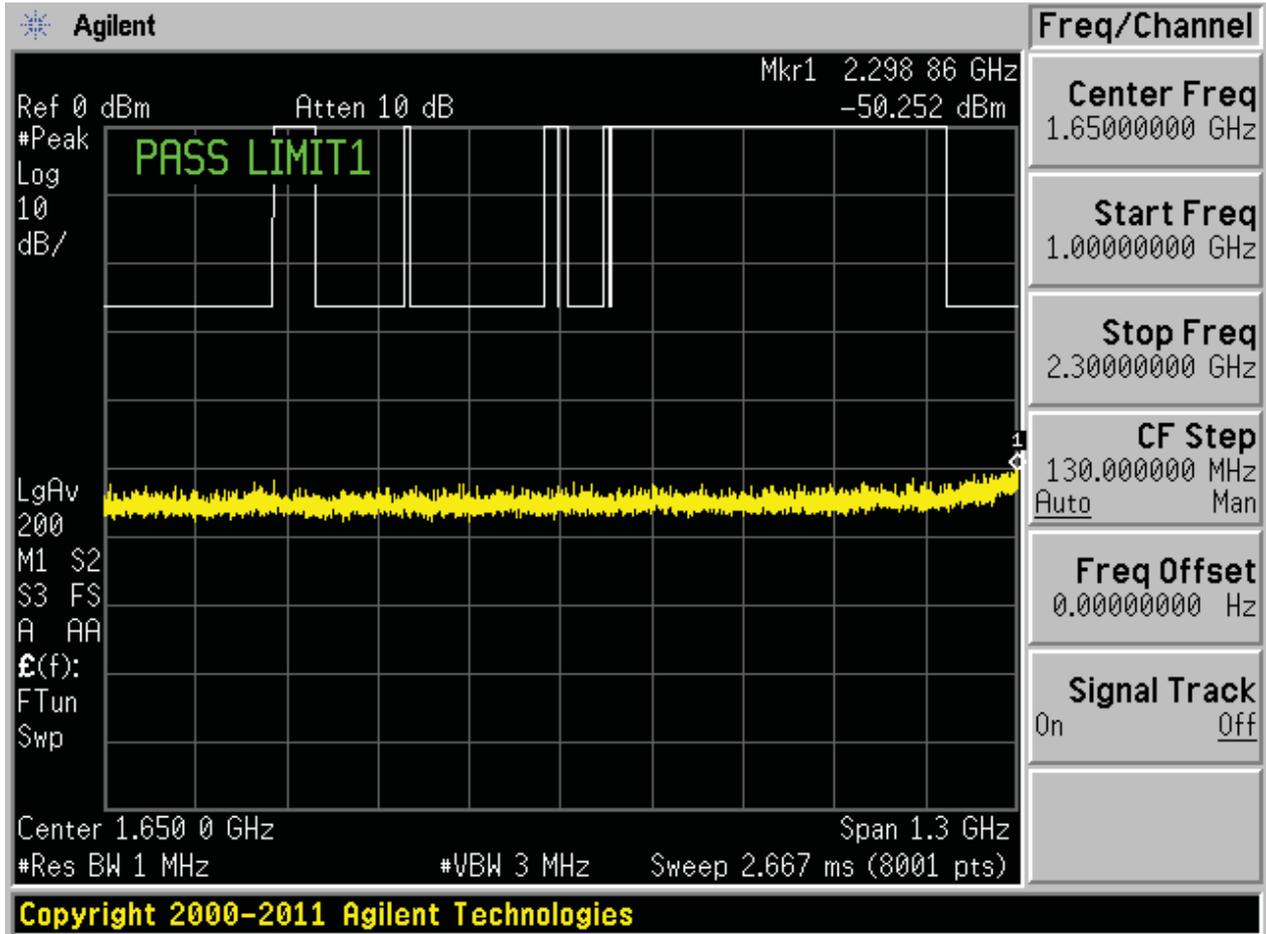


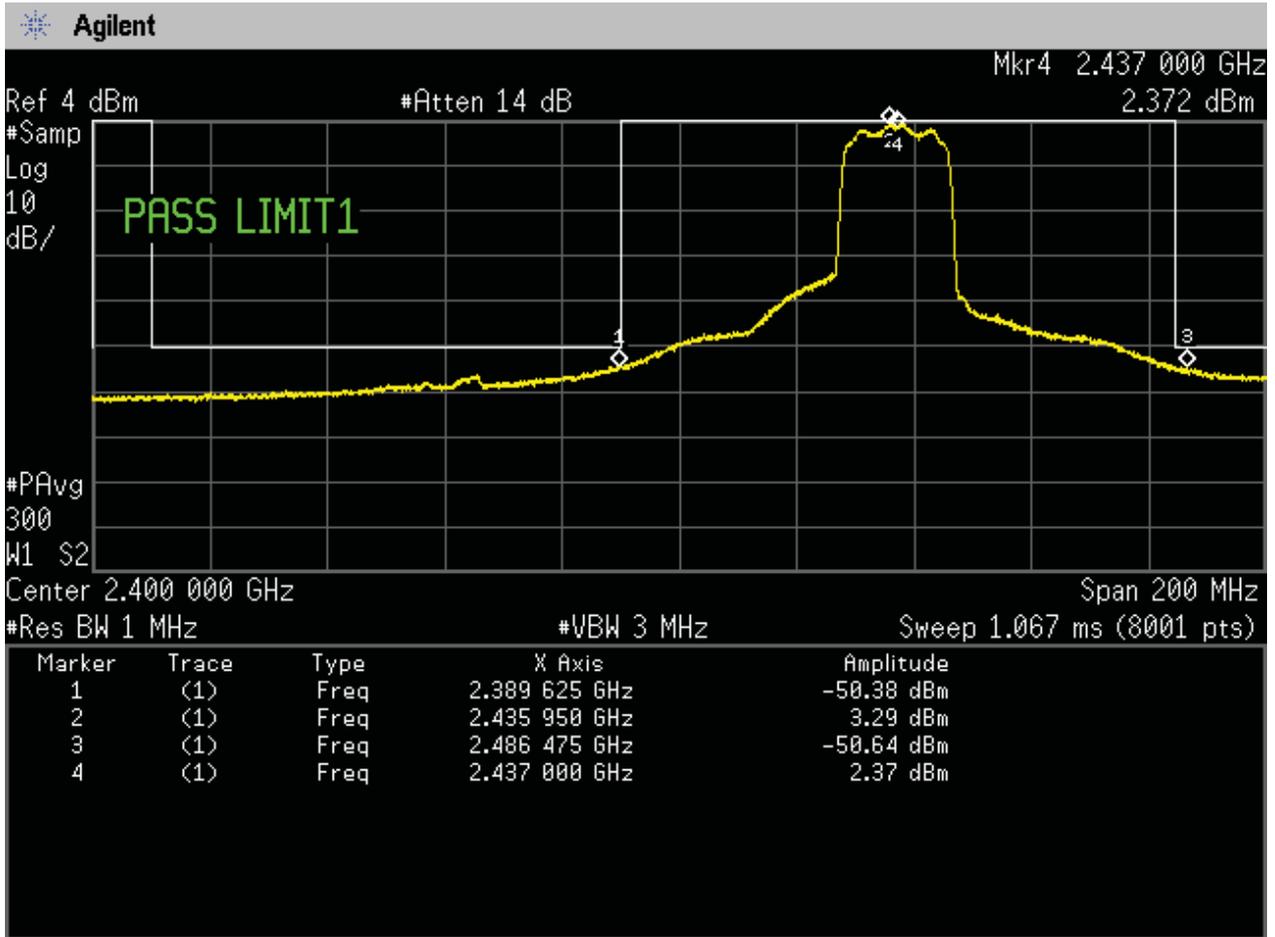


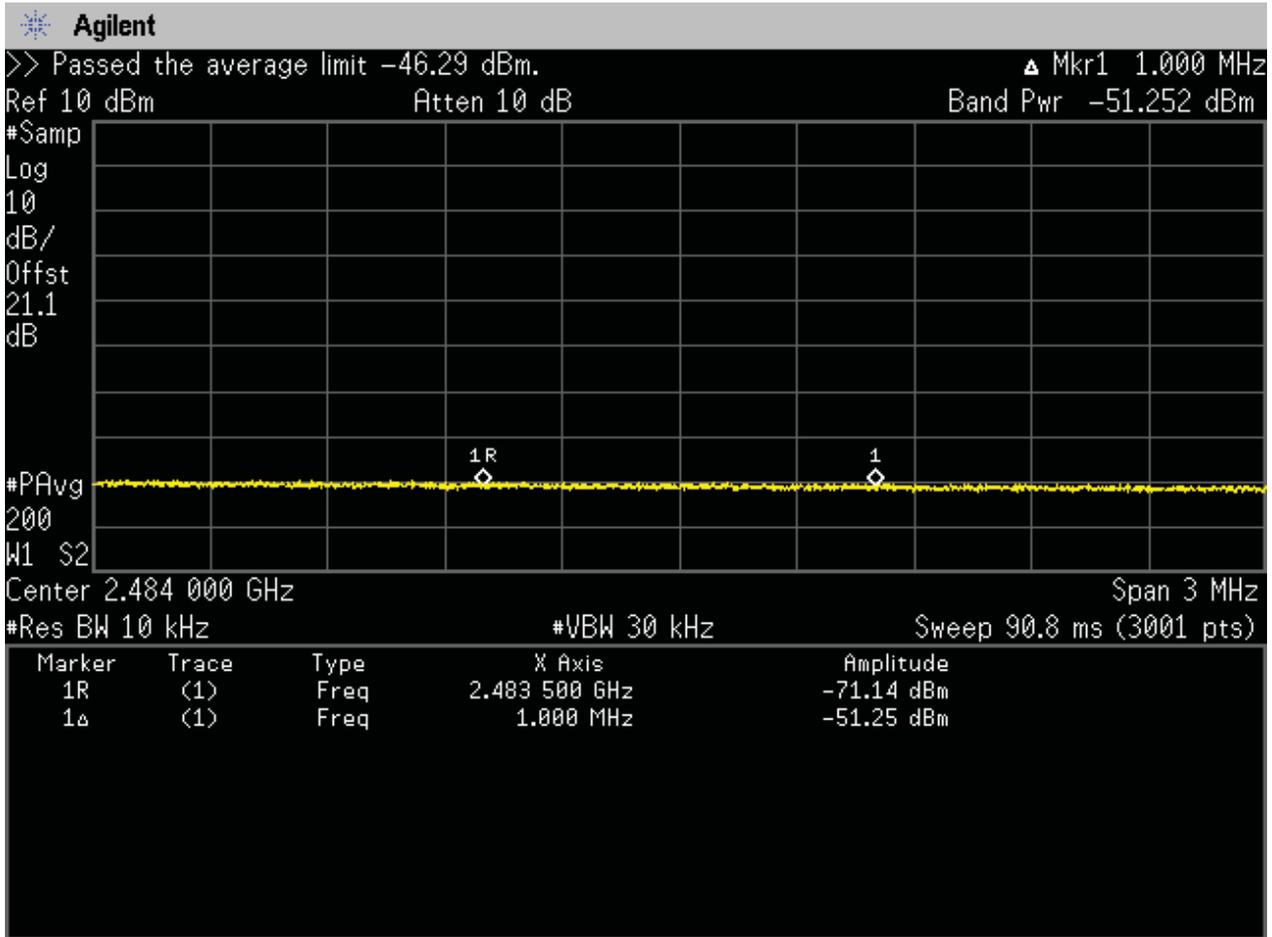


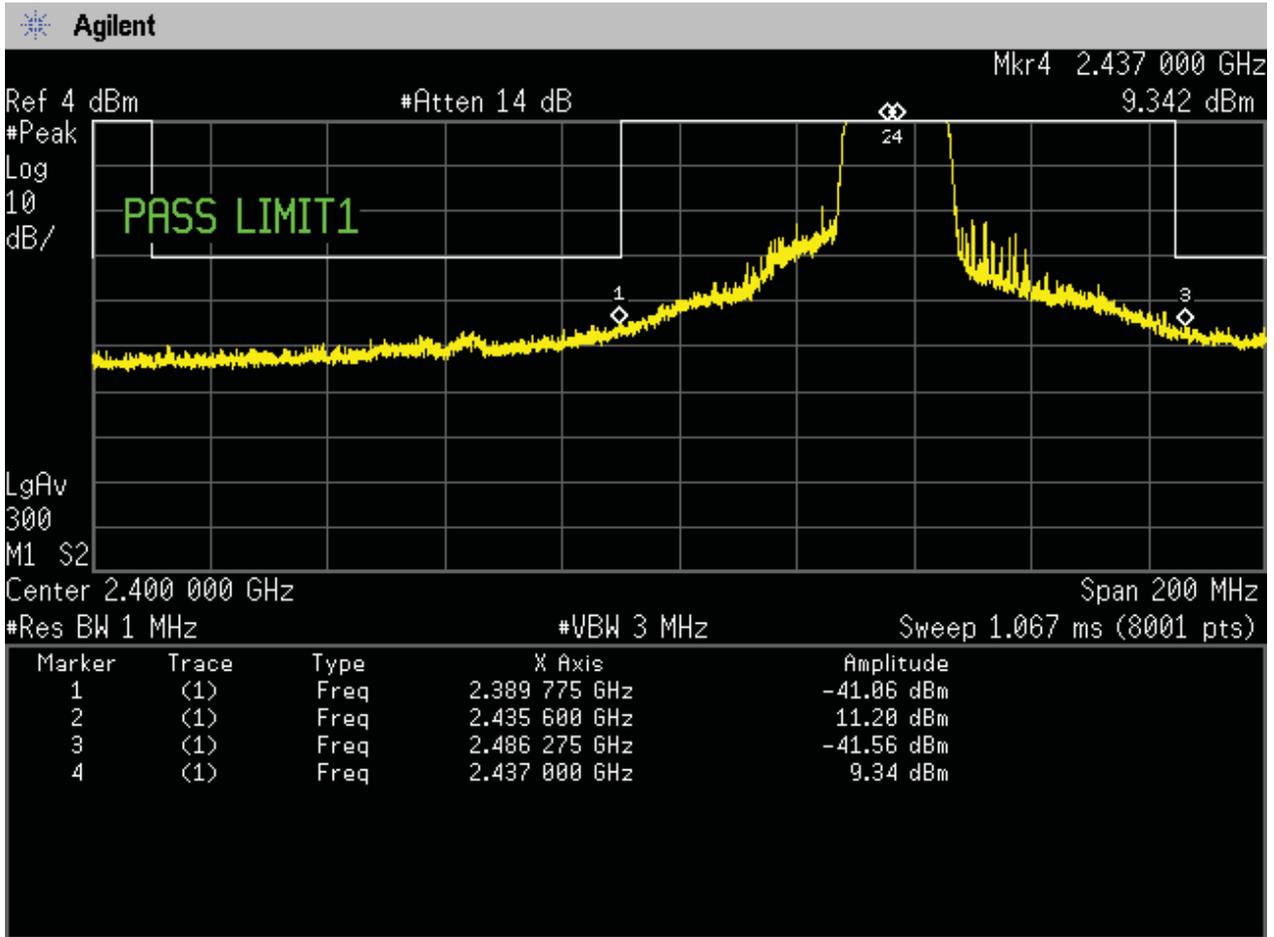


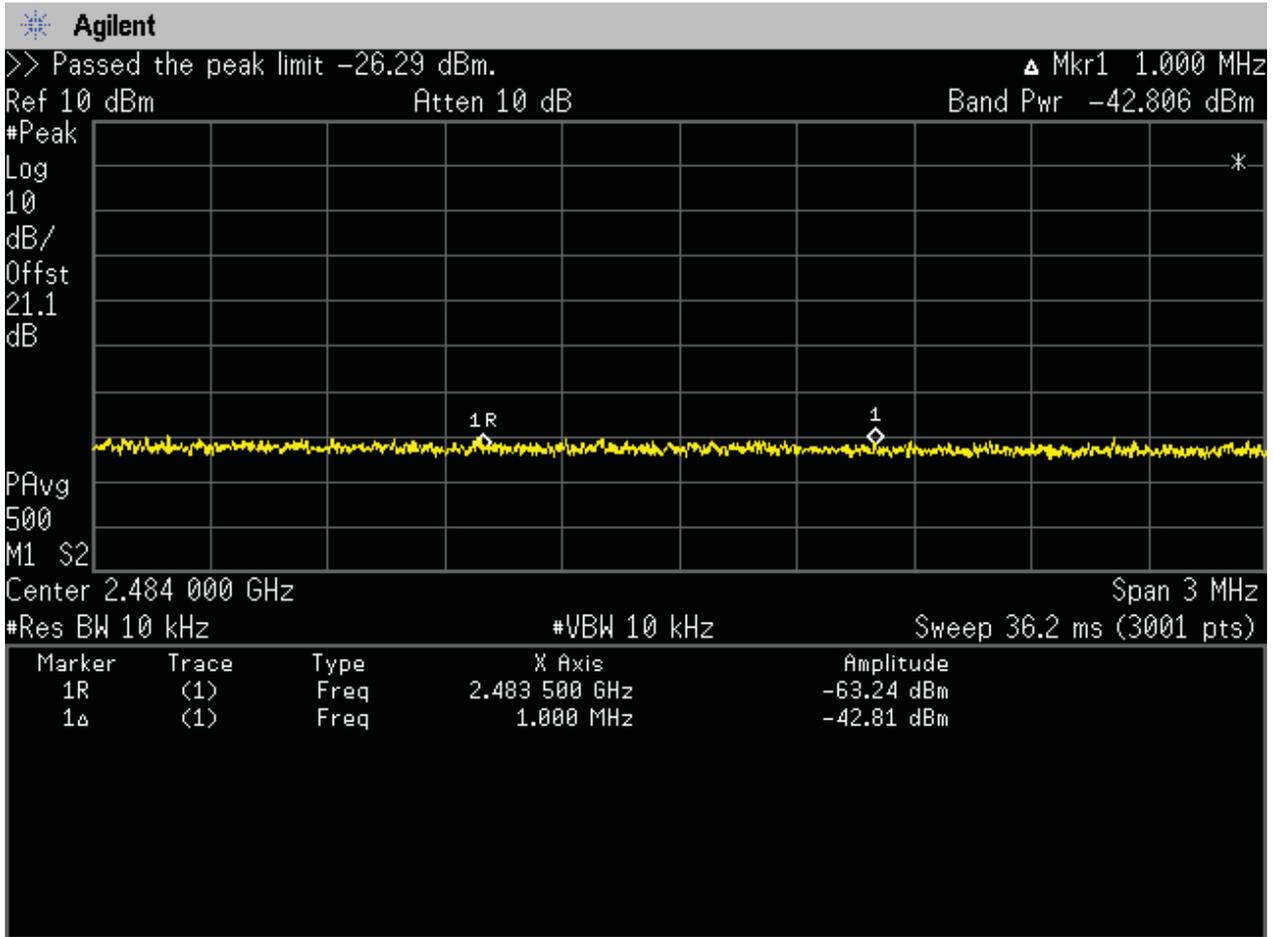


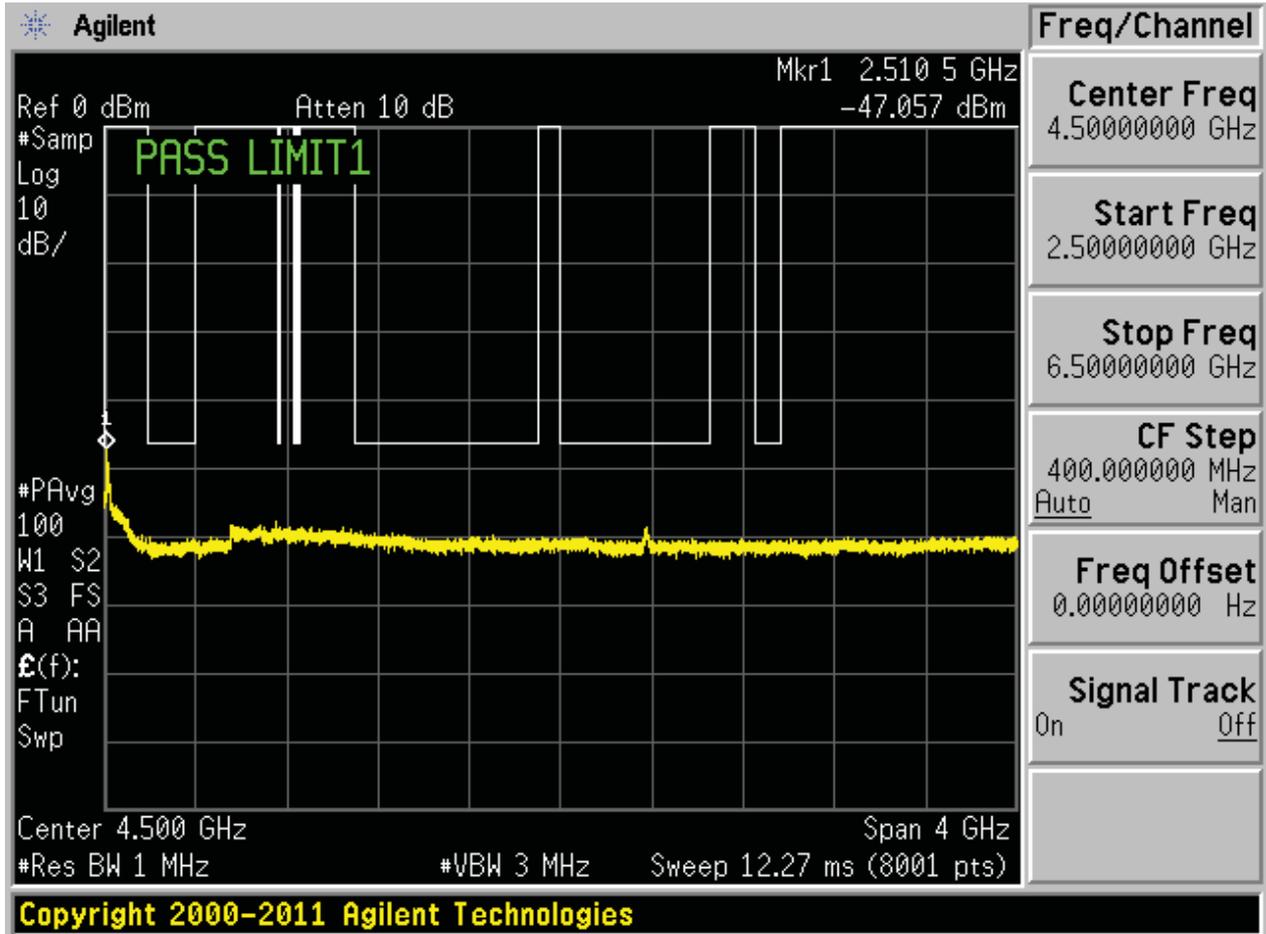


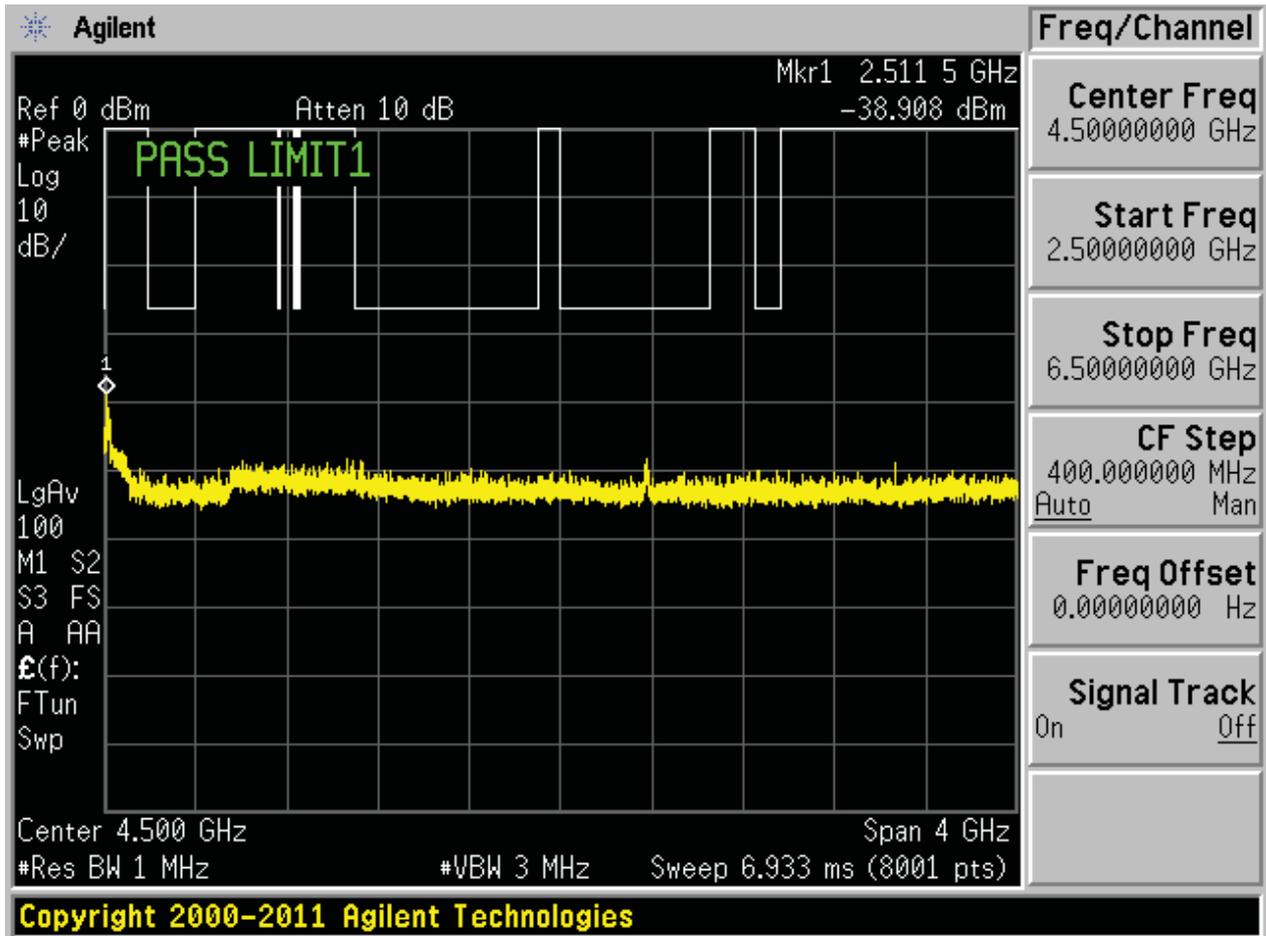




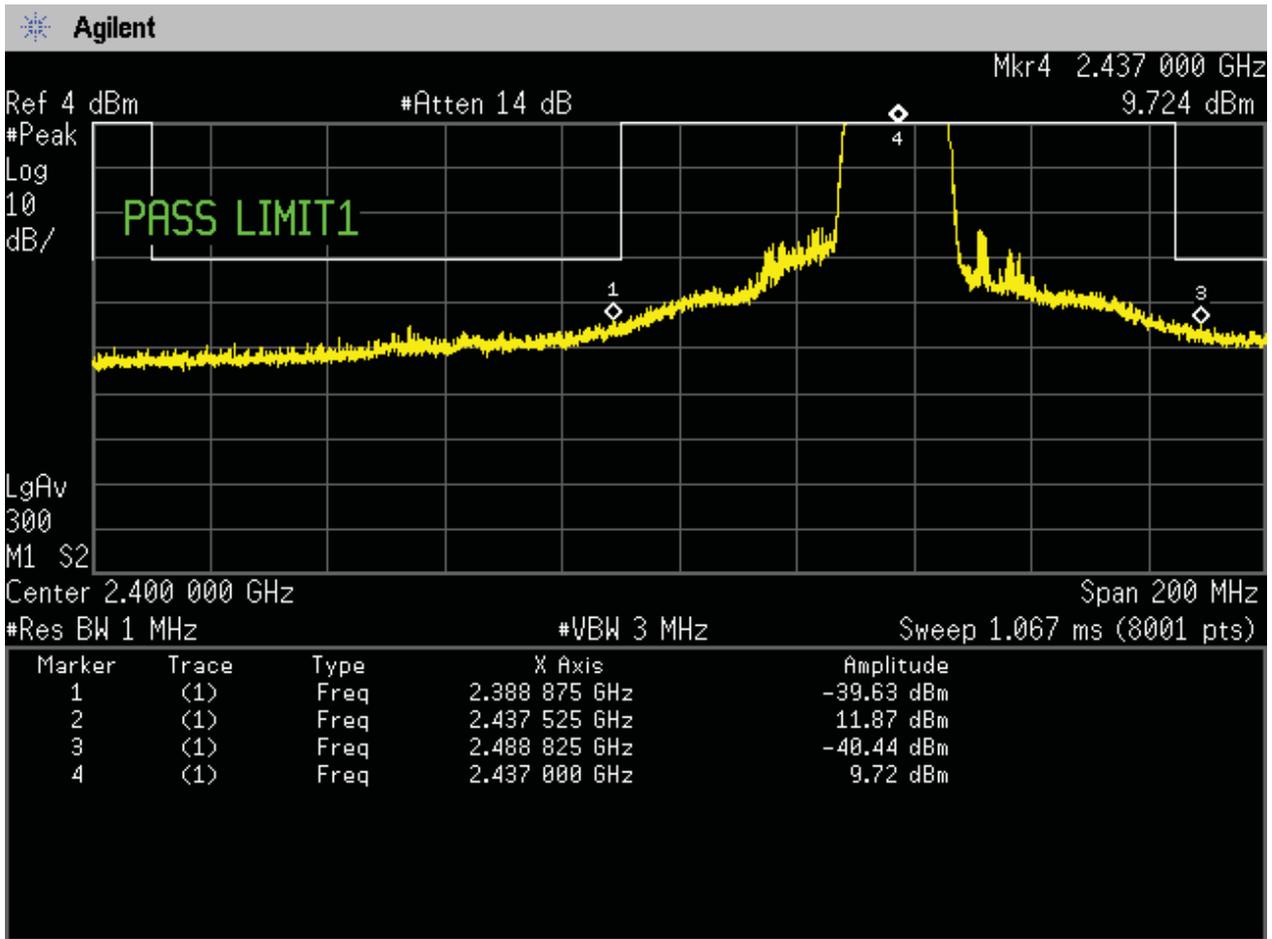


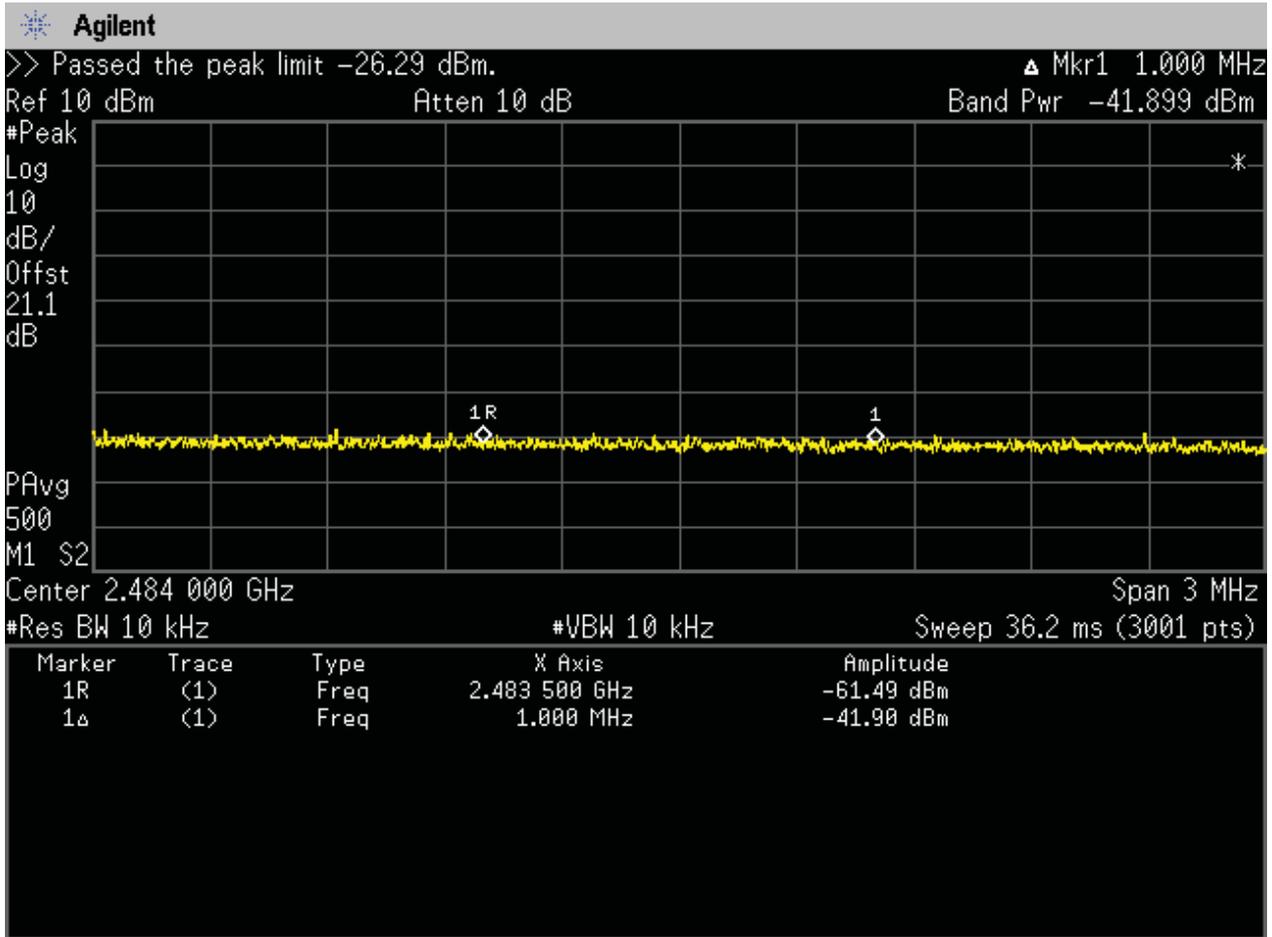


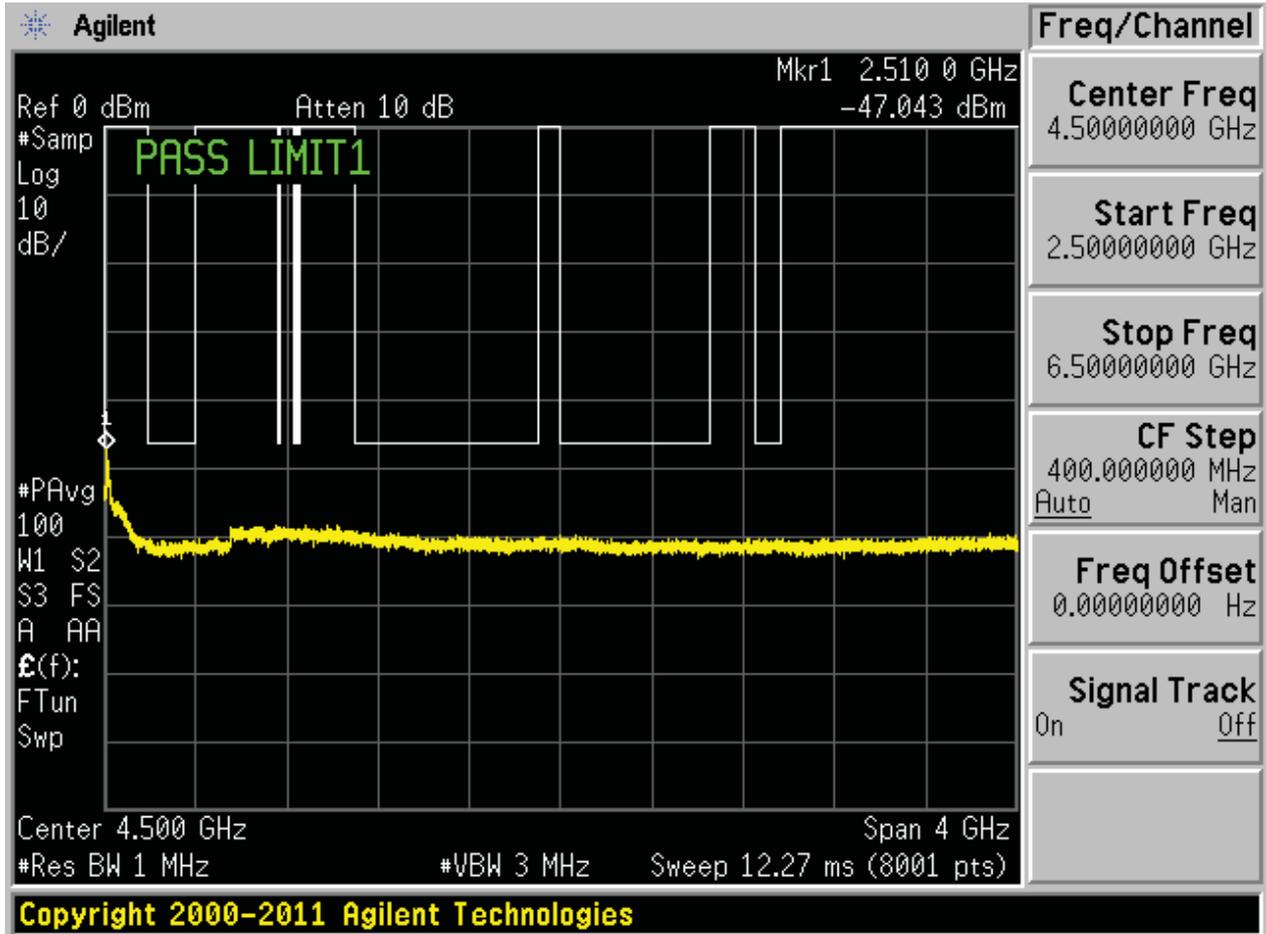


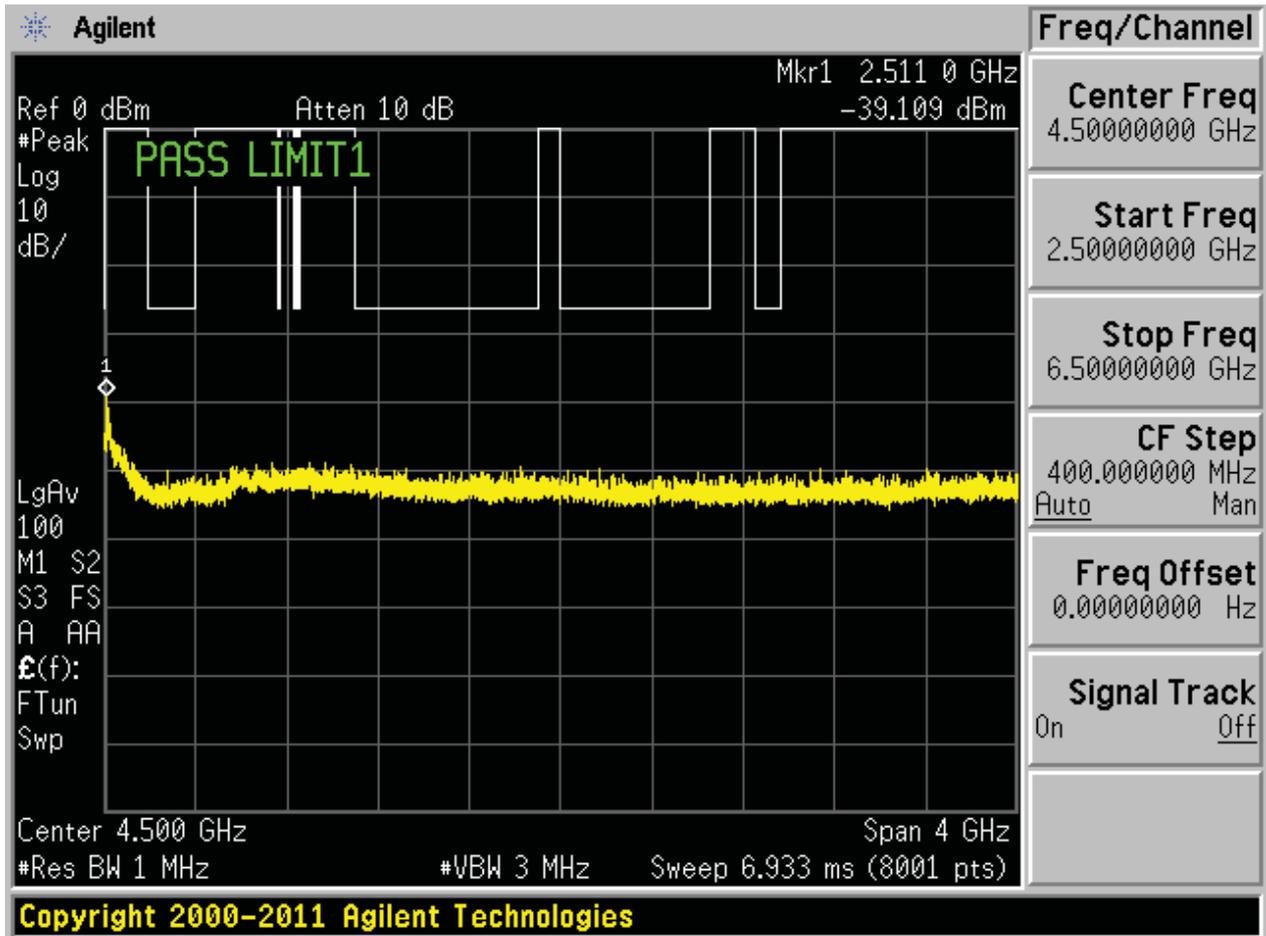


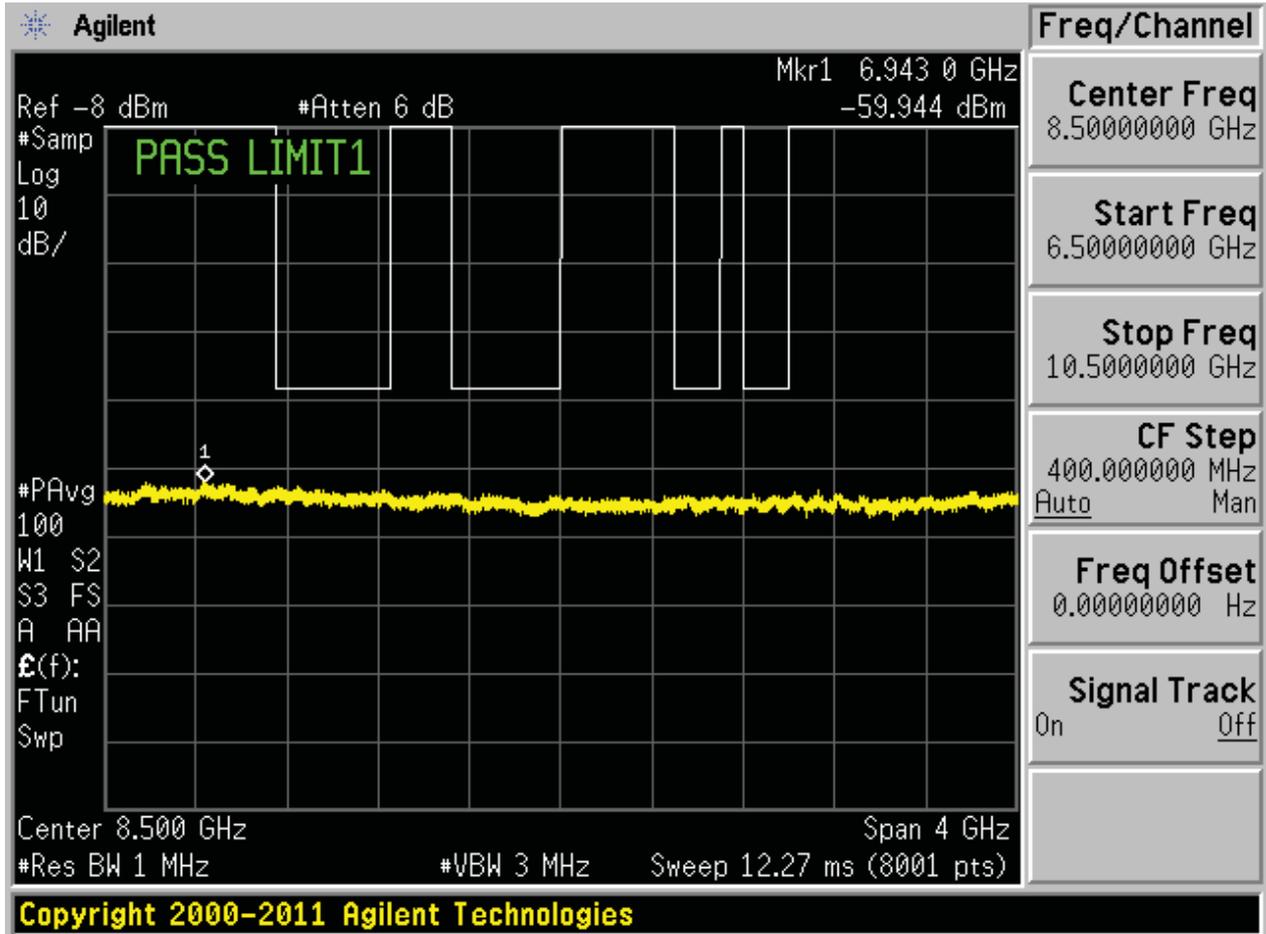
2.26.2 Ant 2

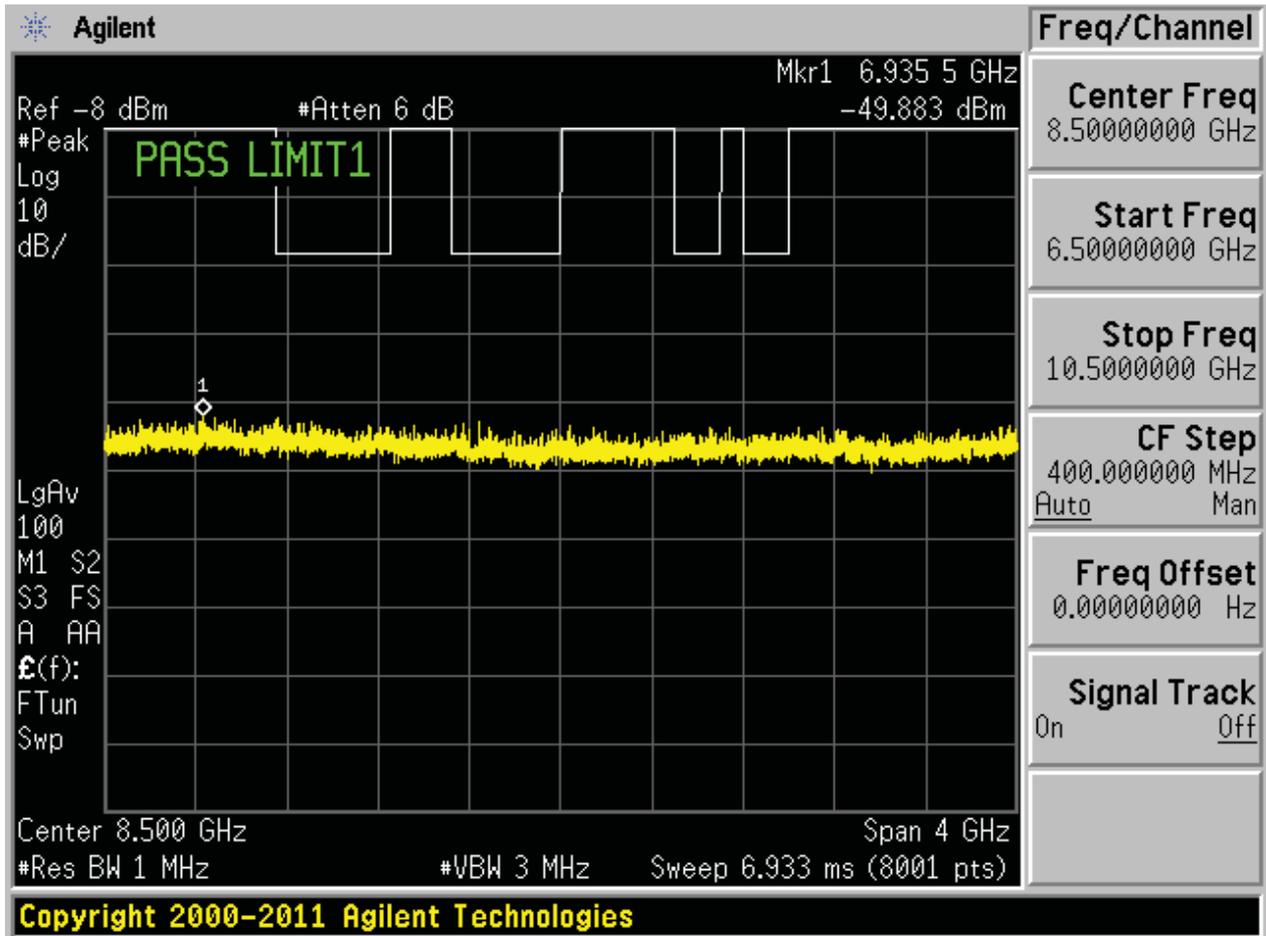


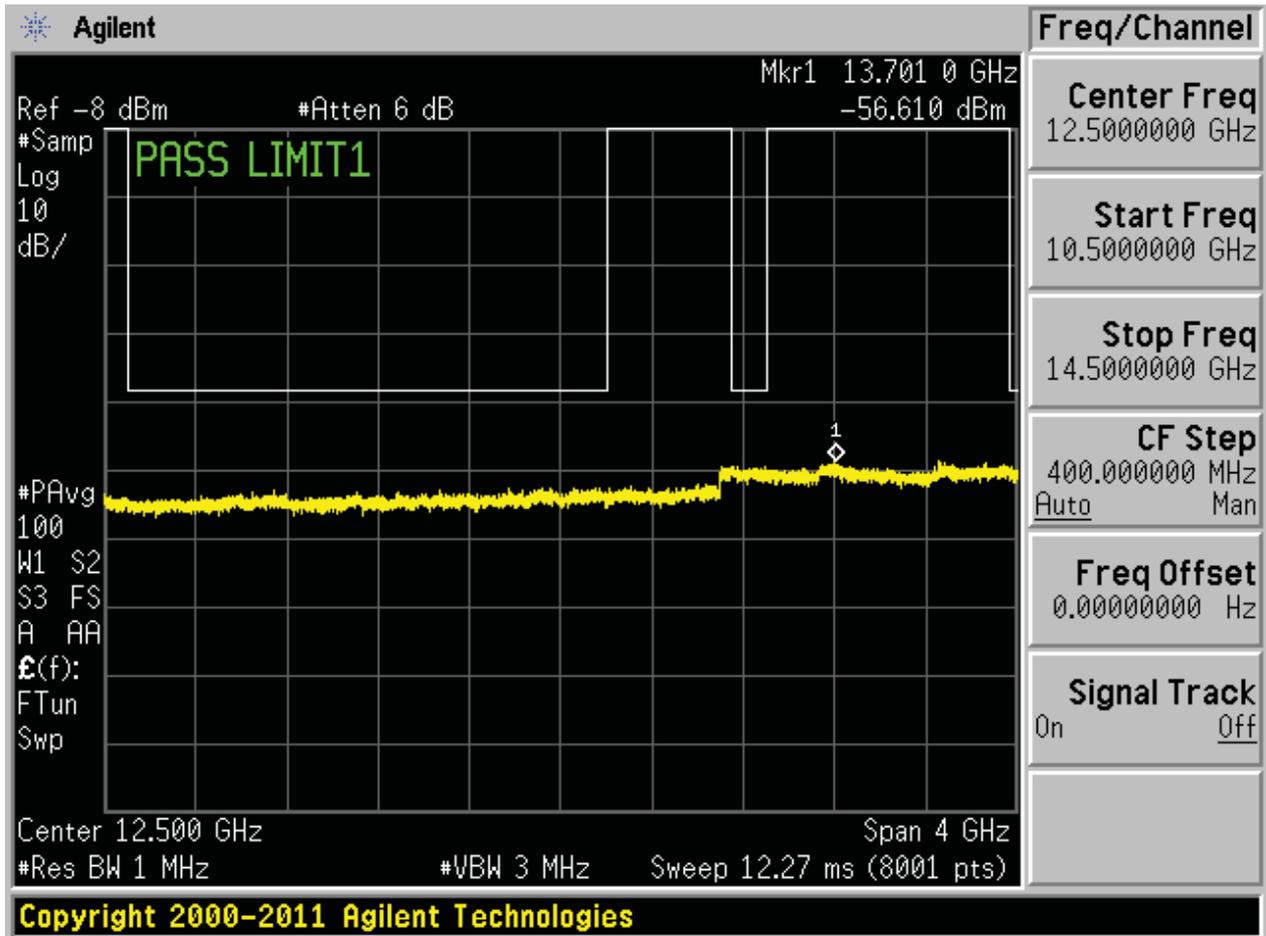


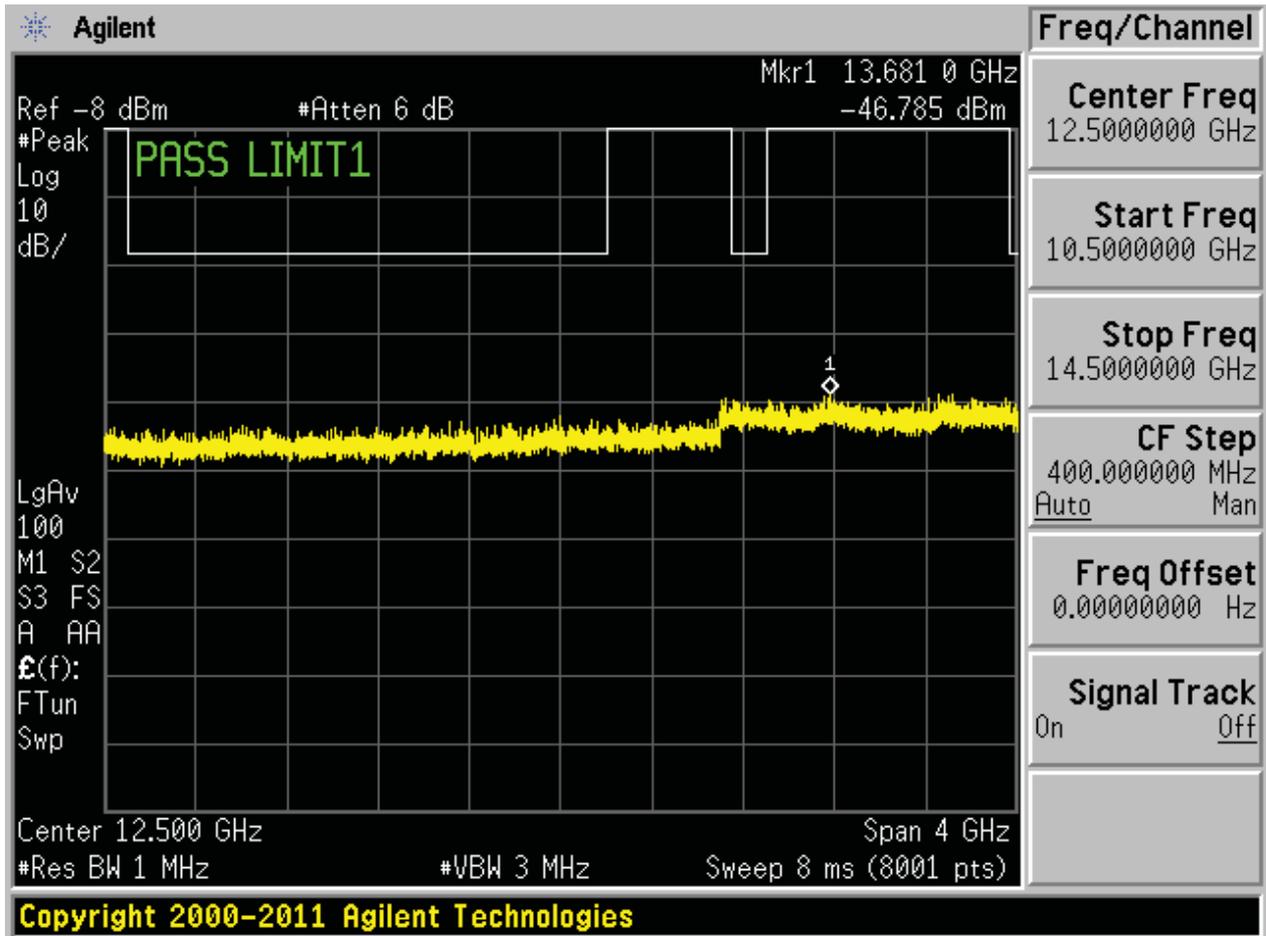


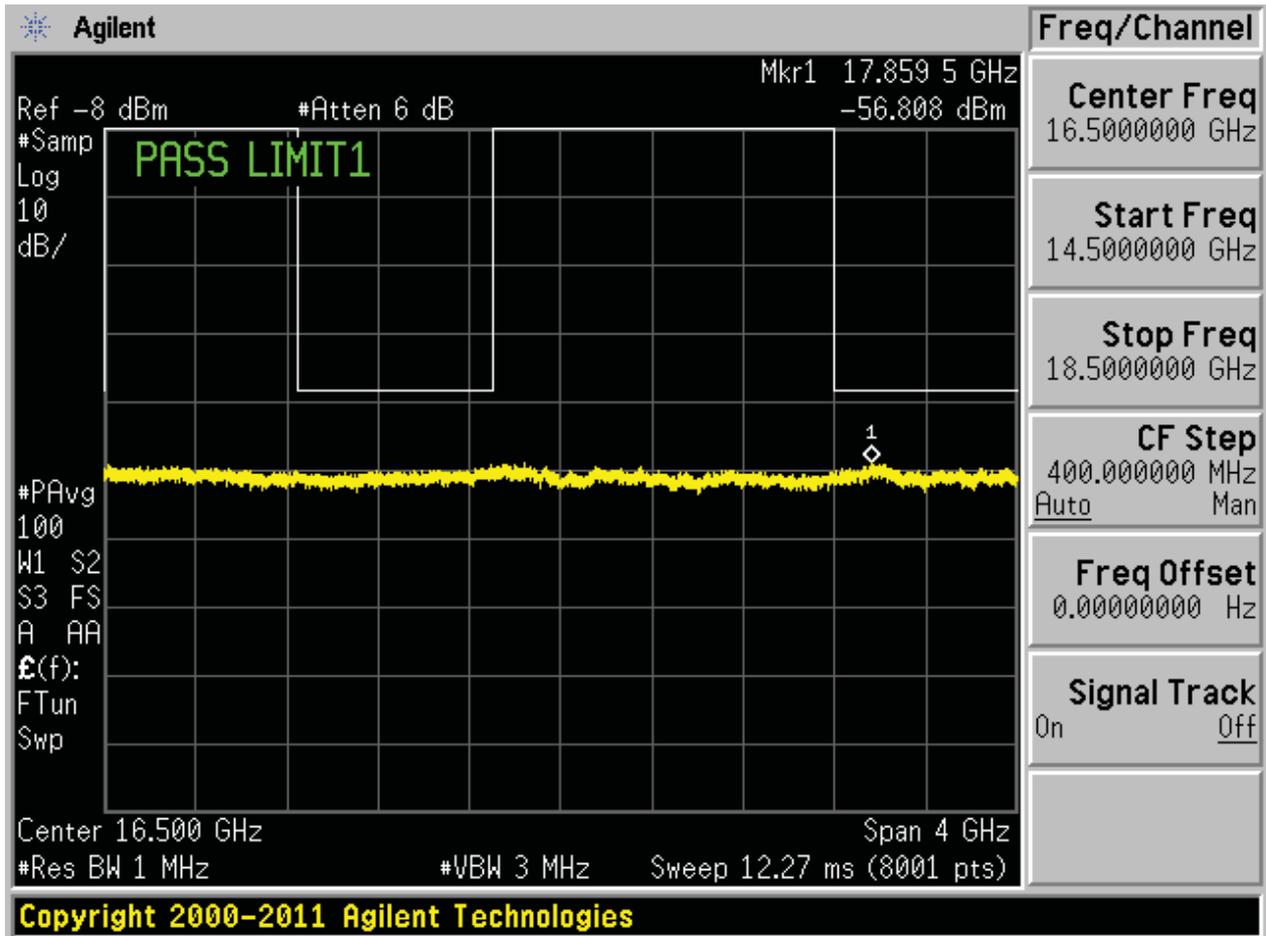


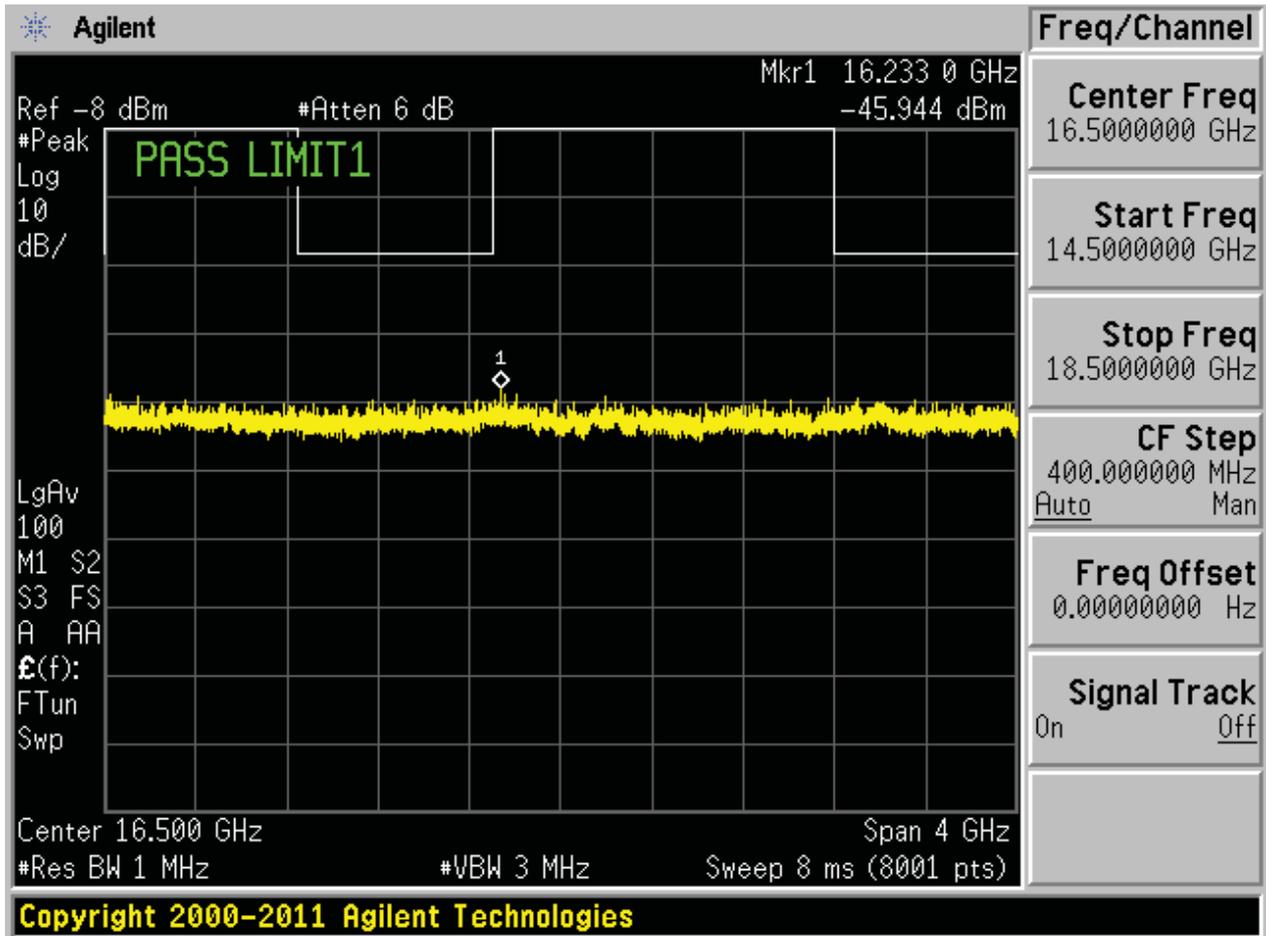


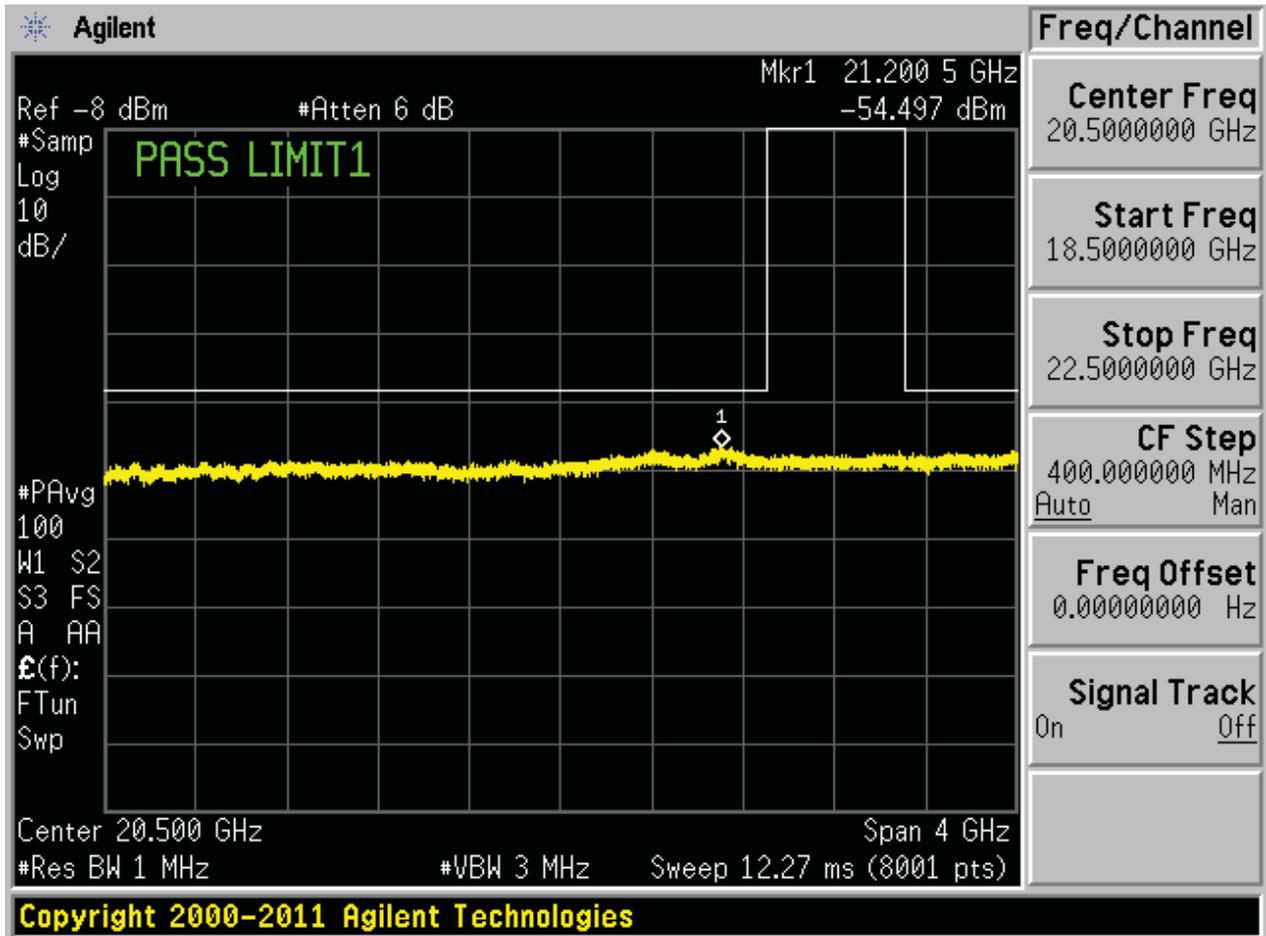


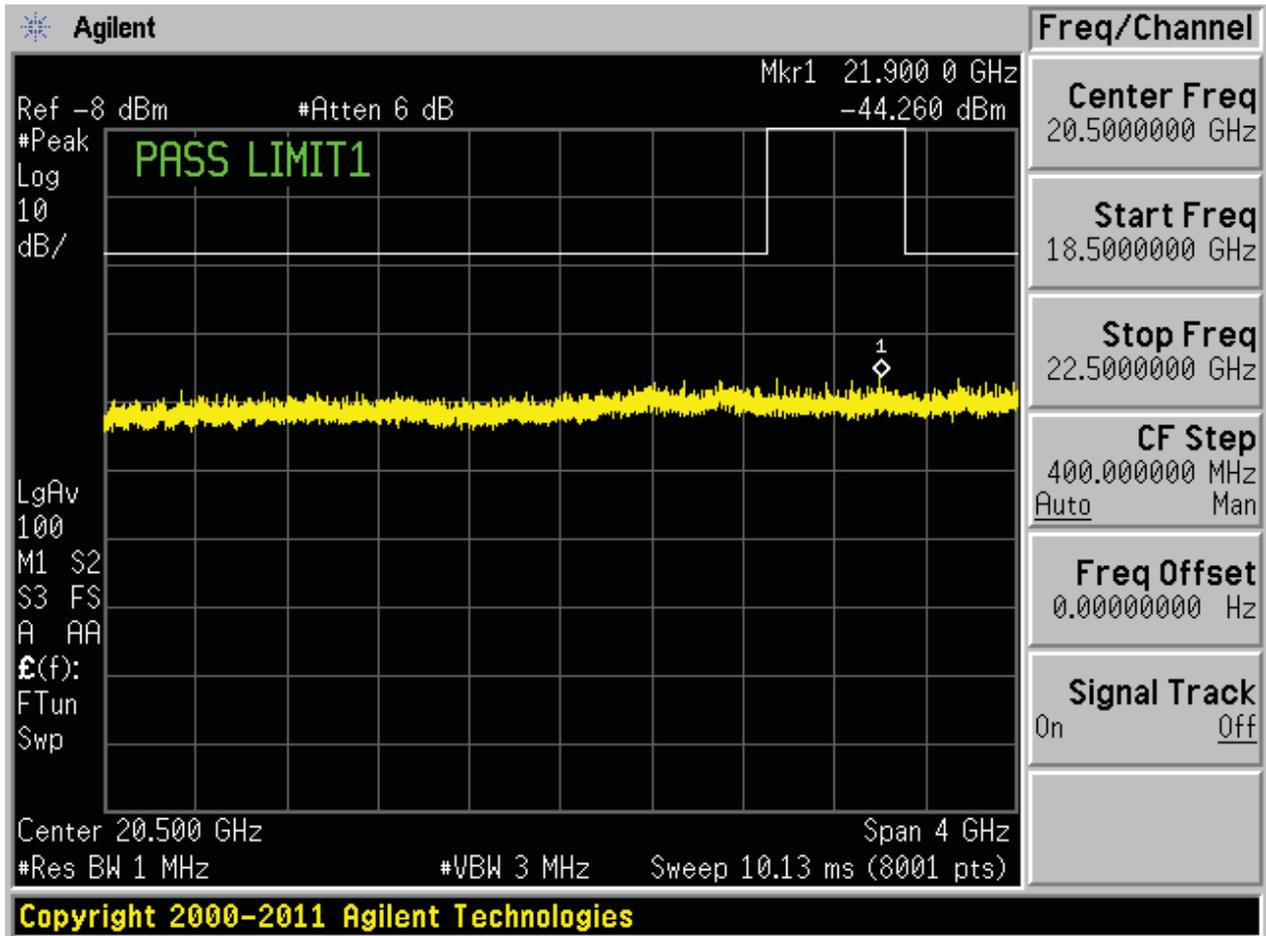


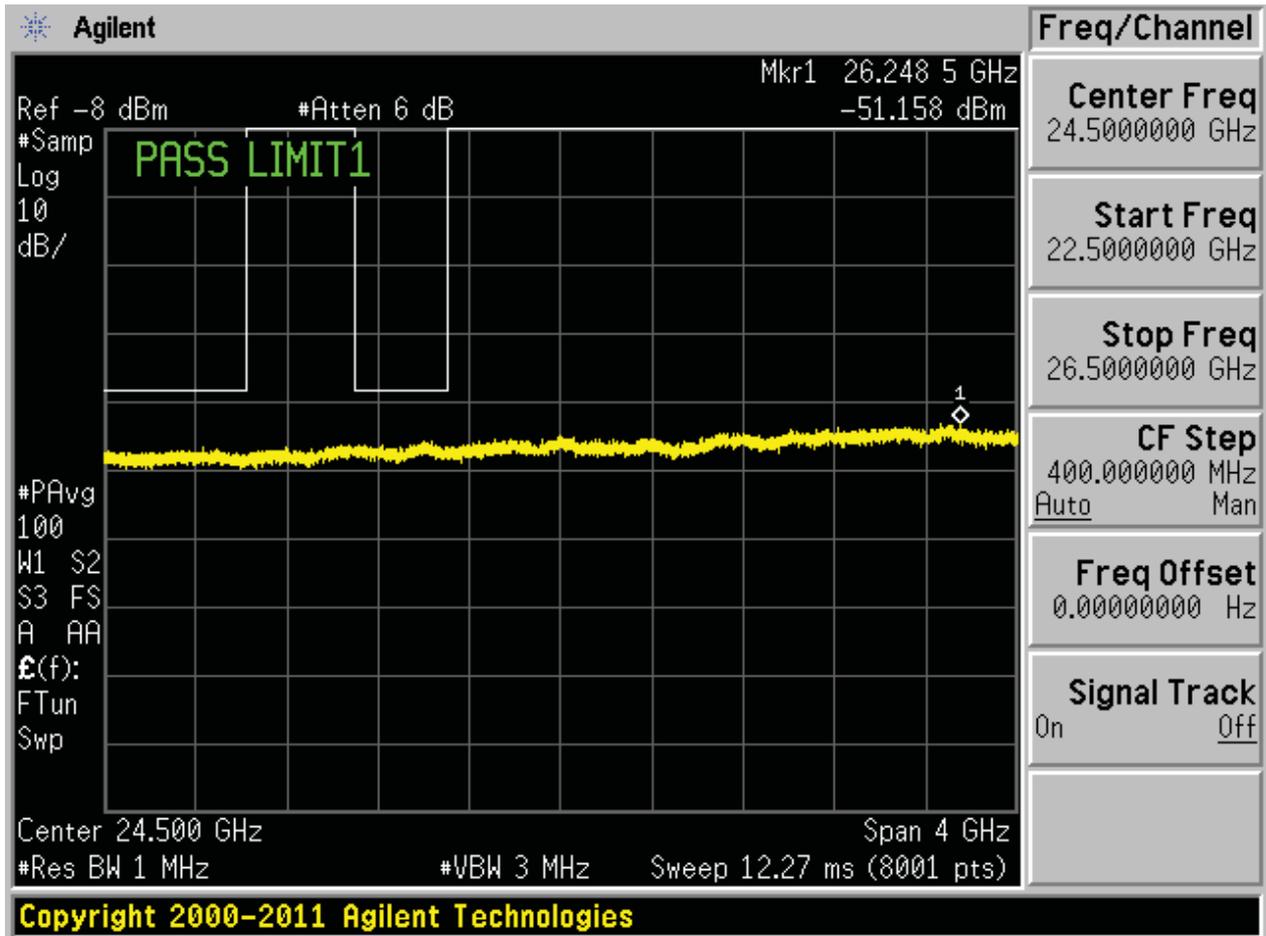




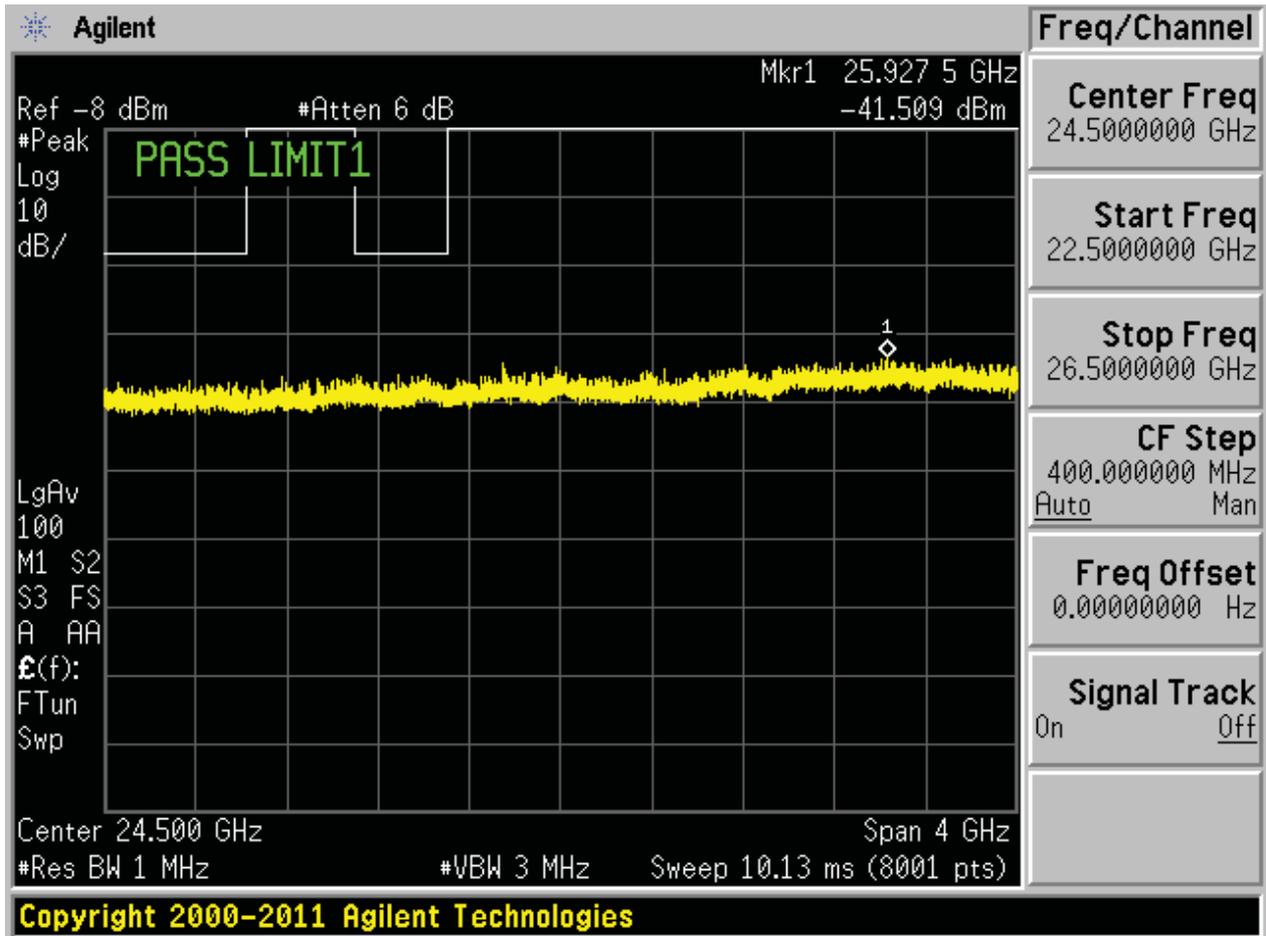


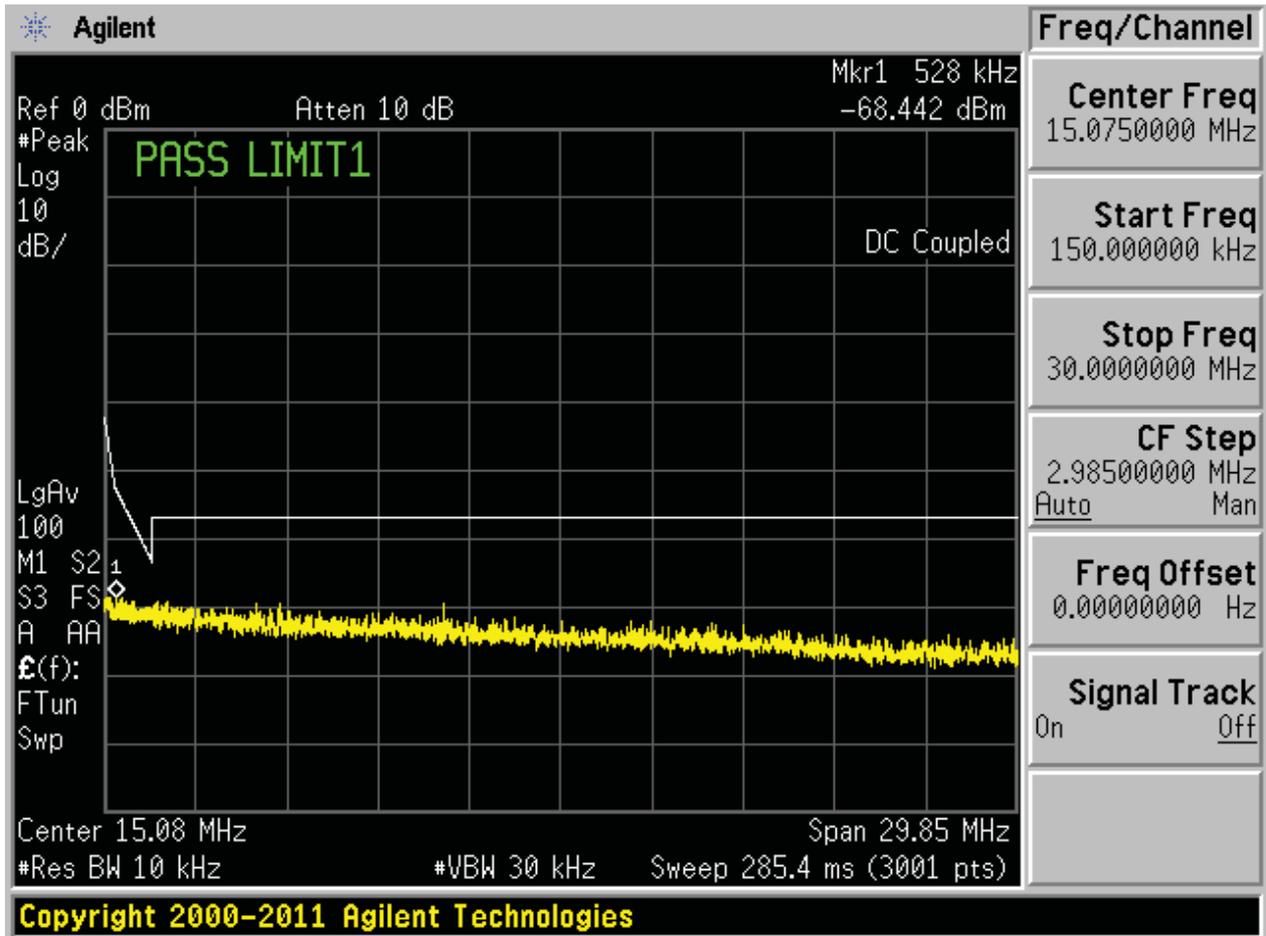


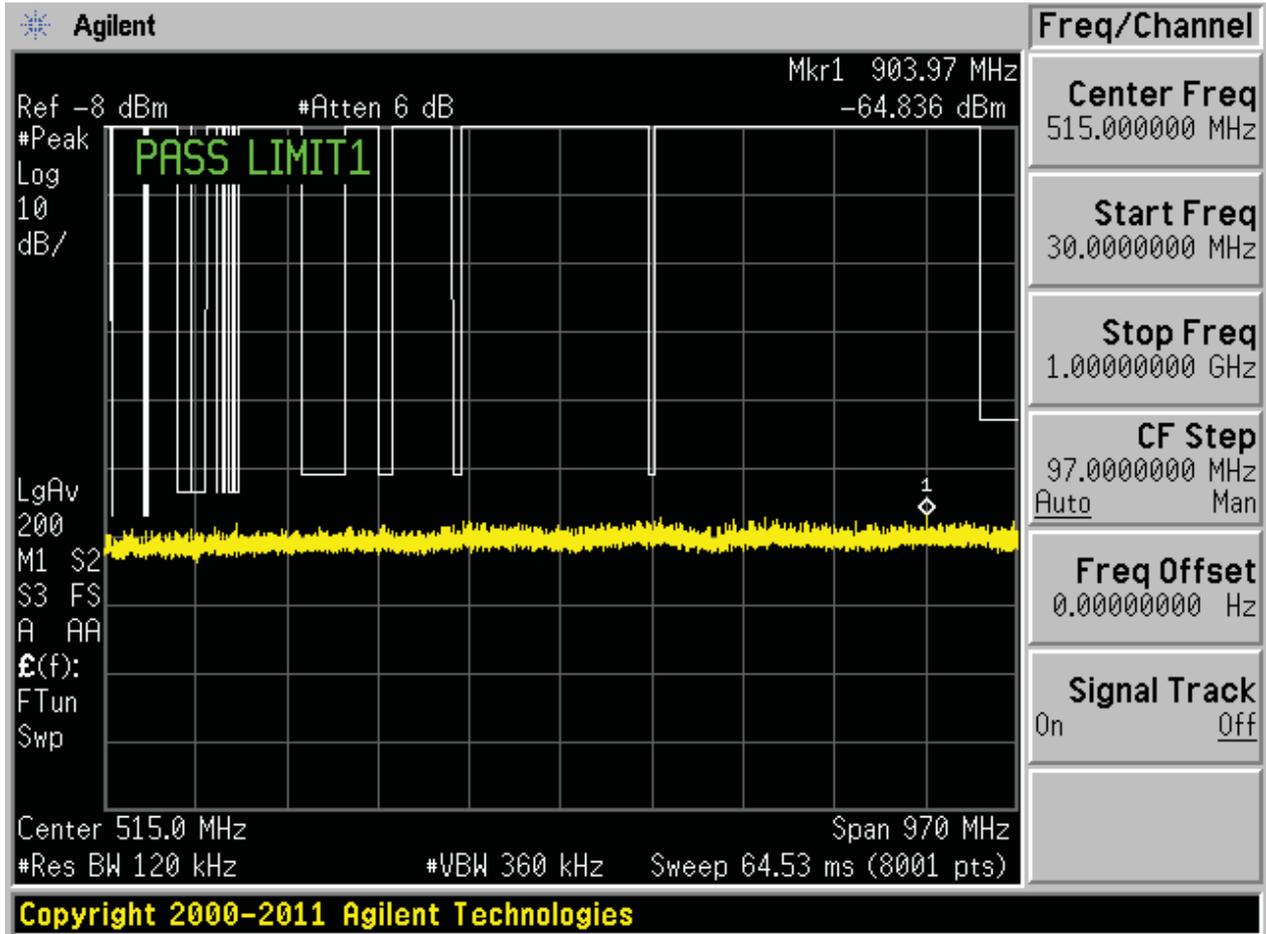


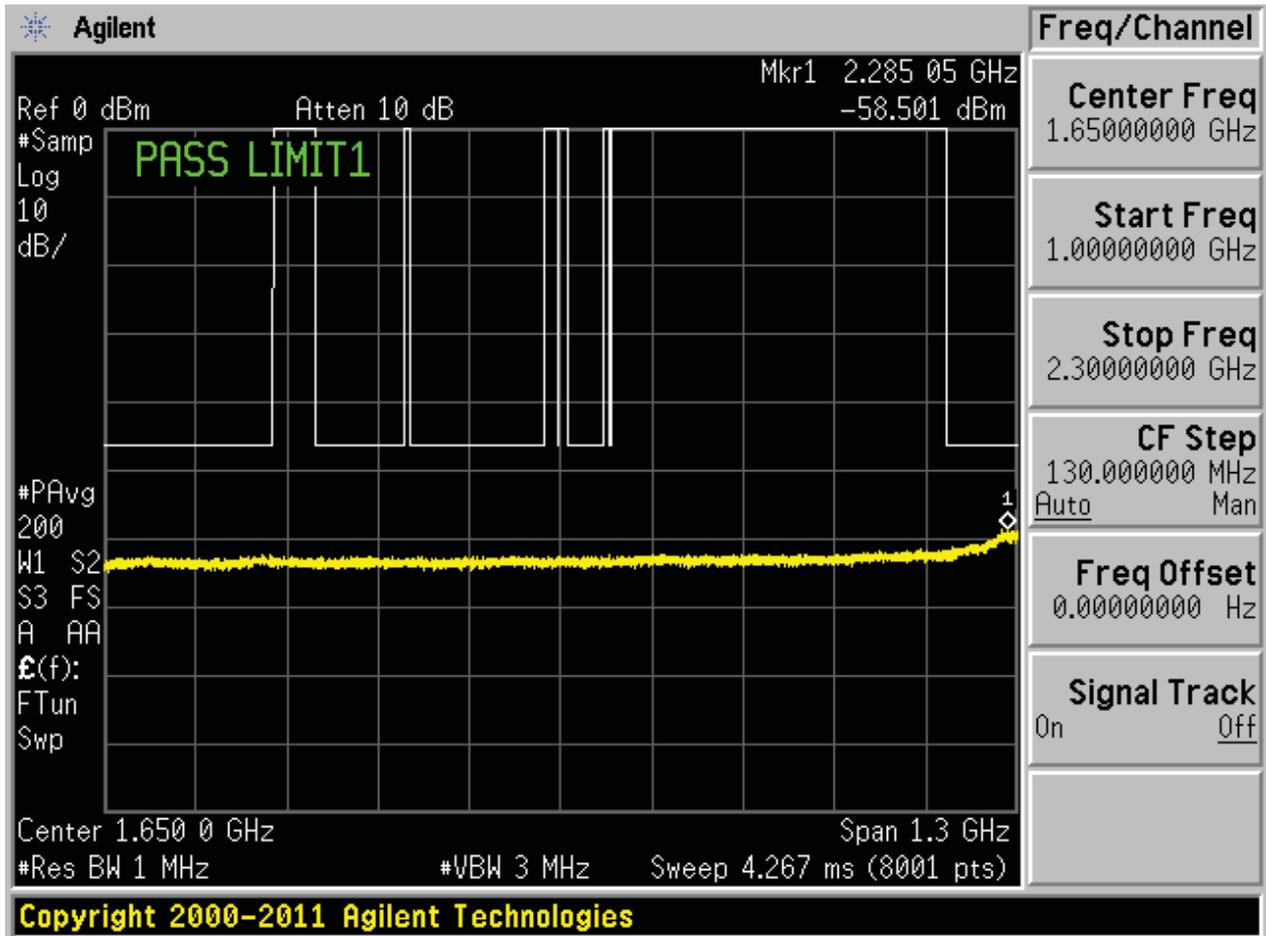


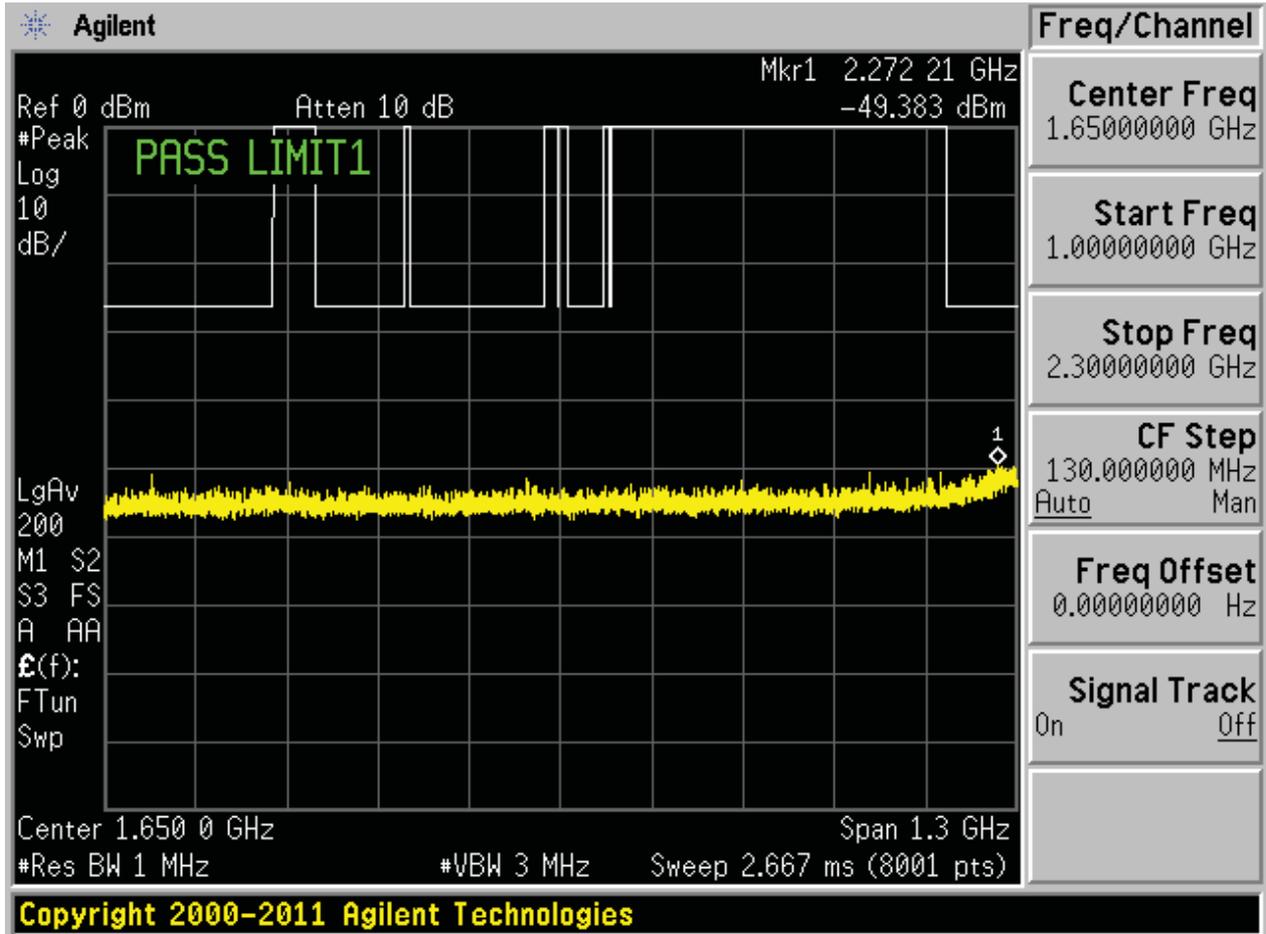
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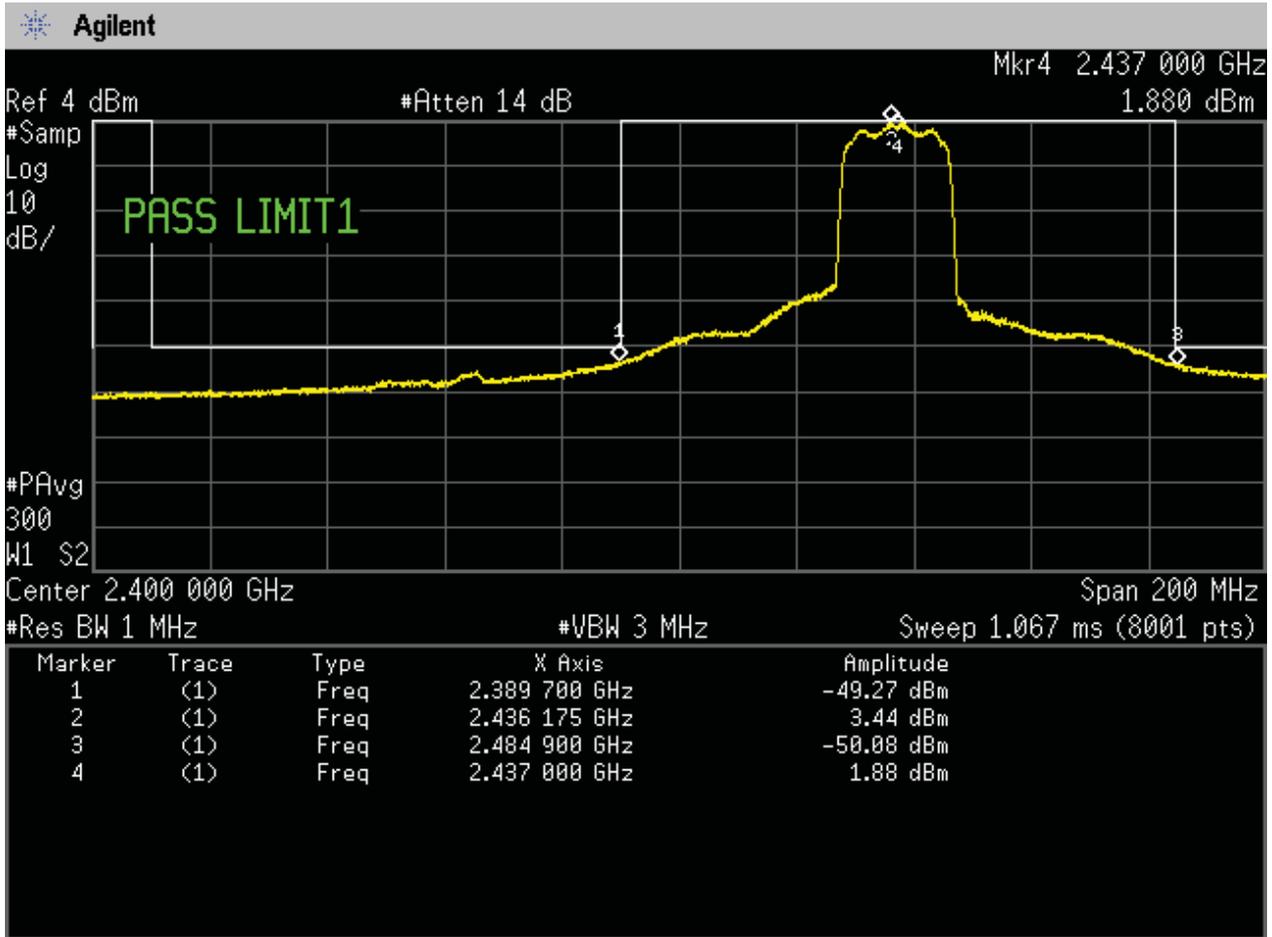


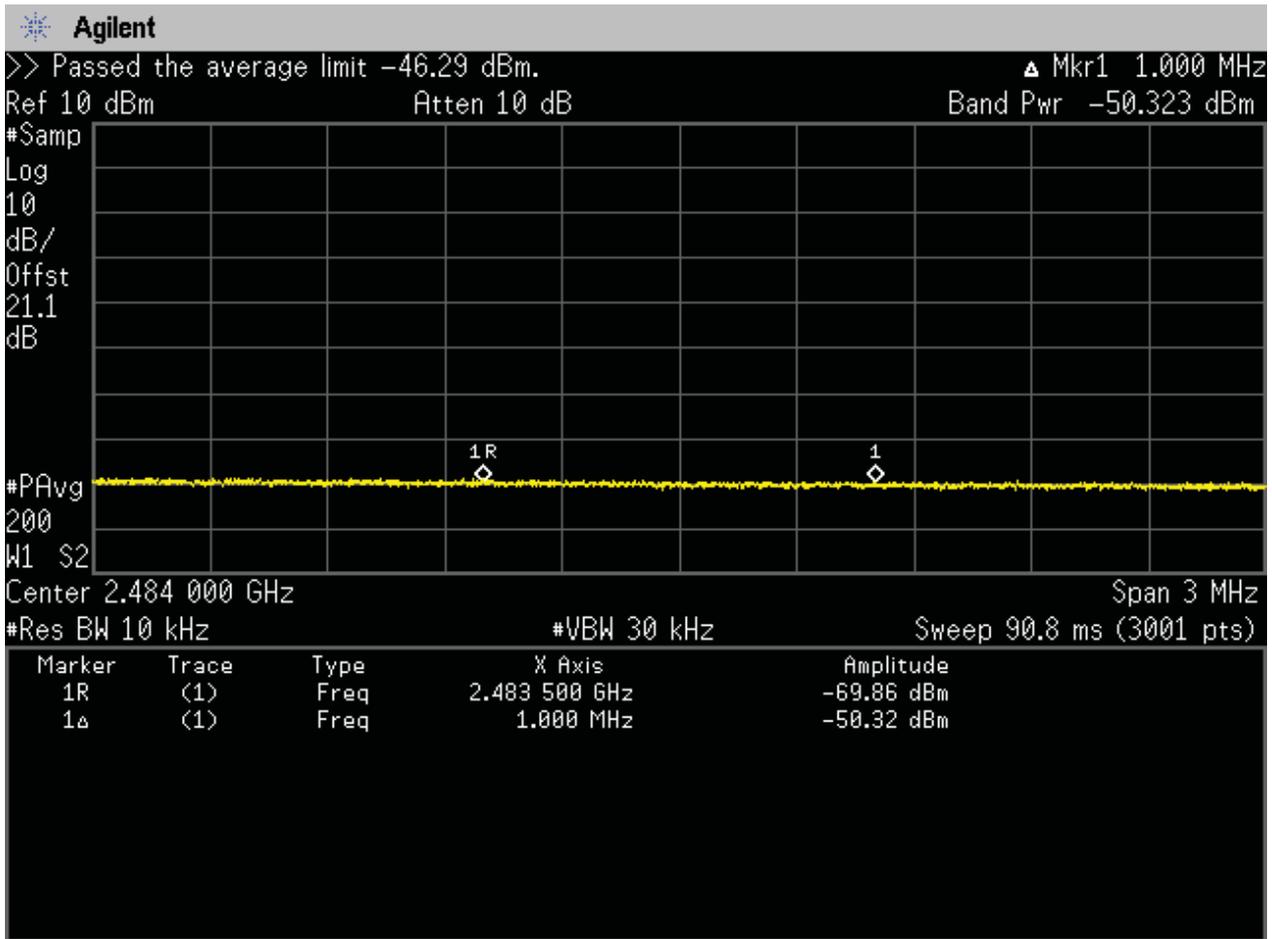






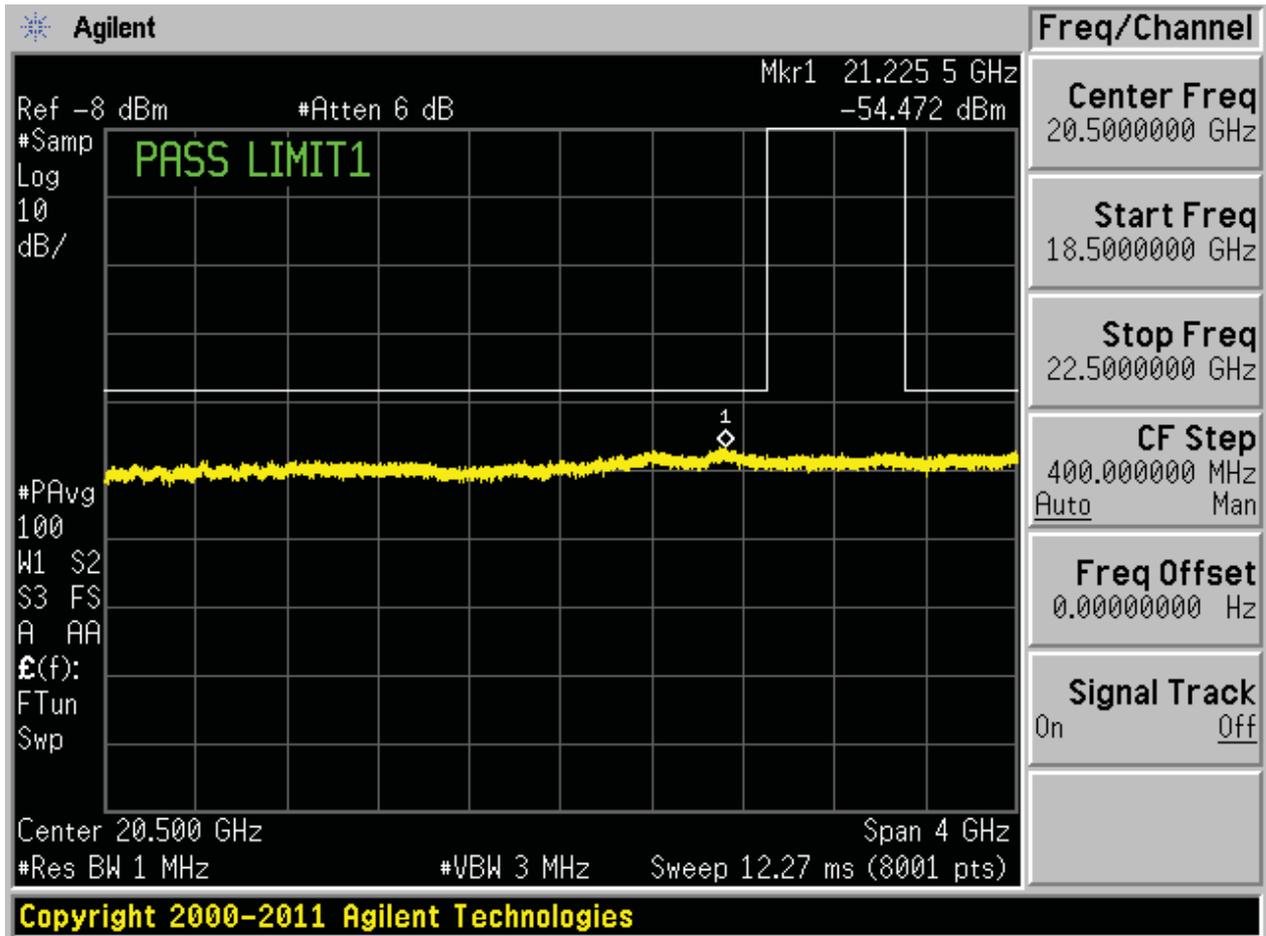


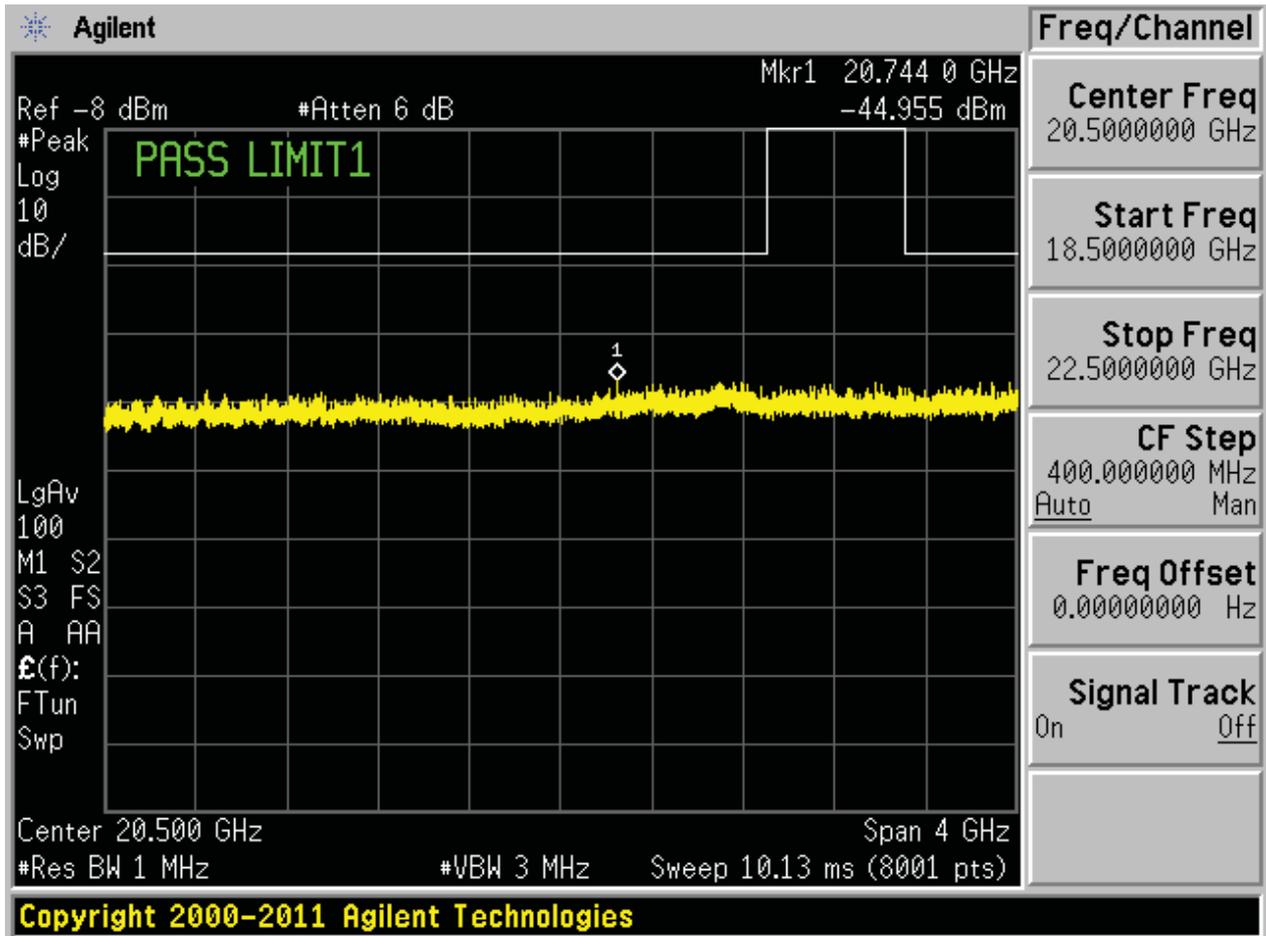


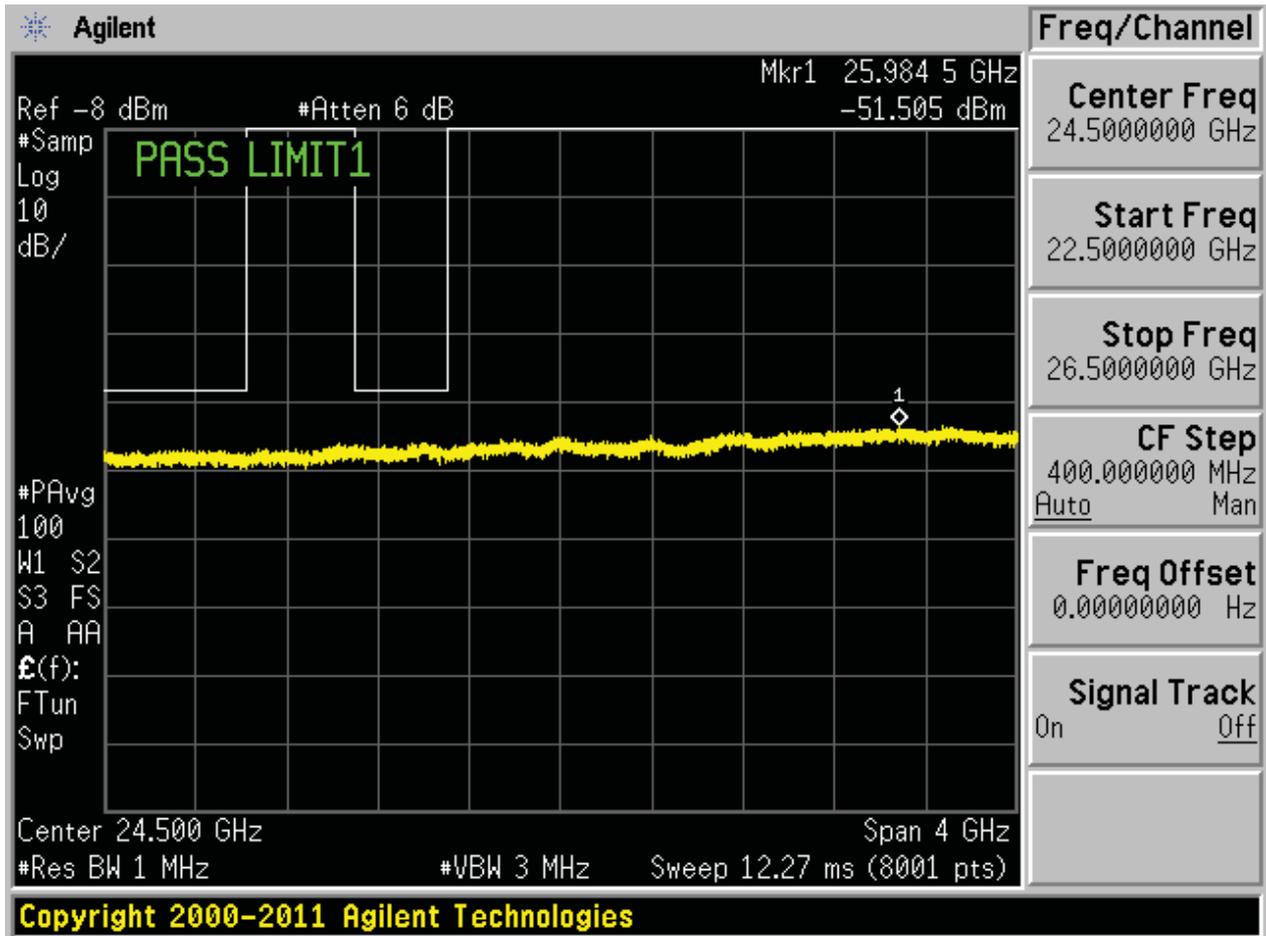


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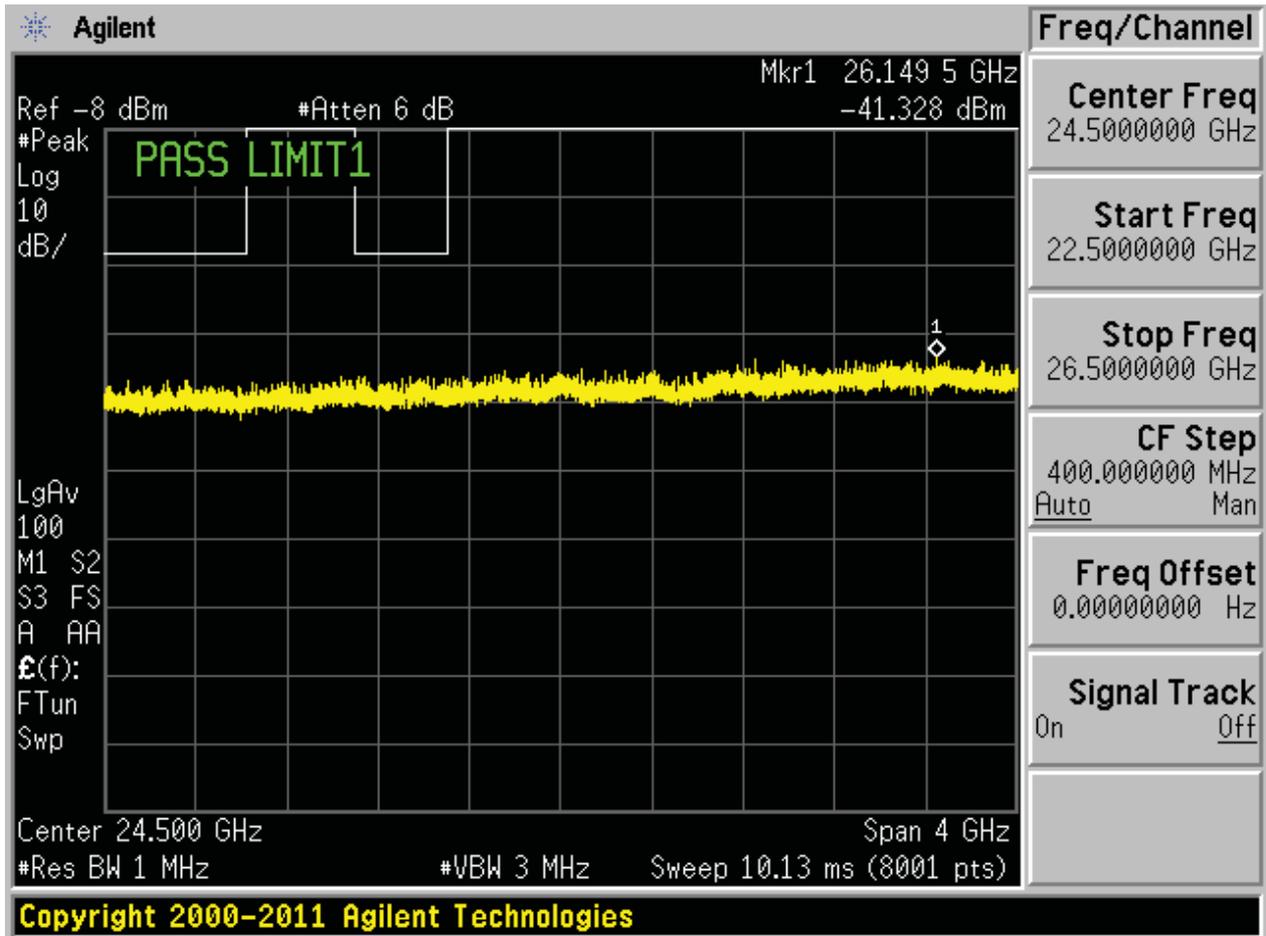
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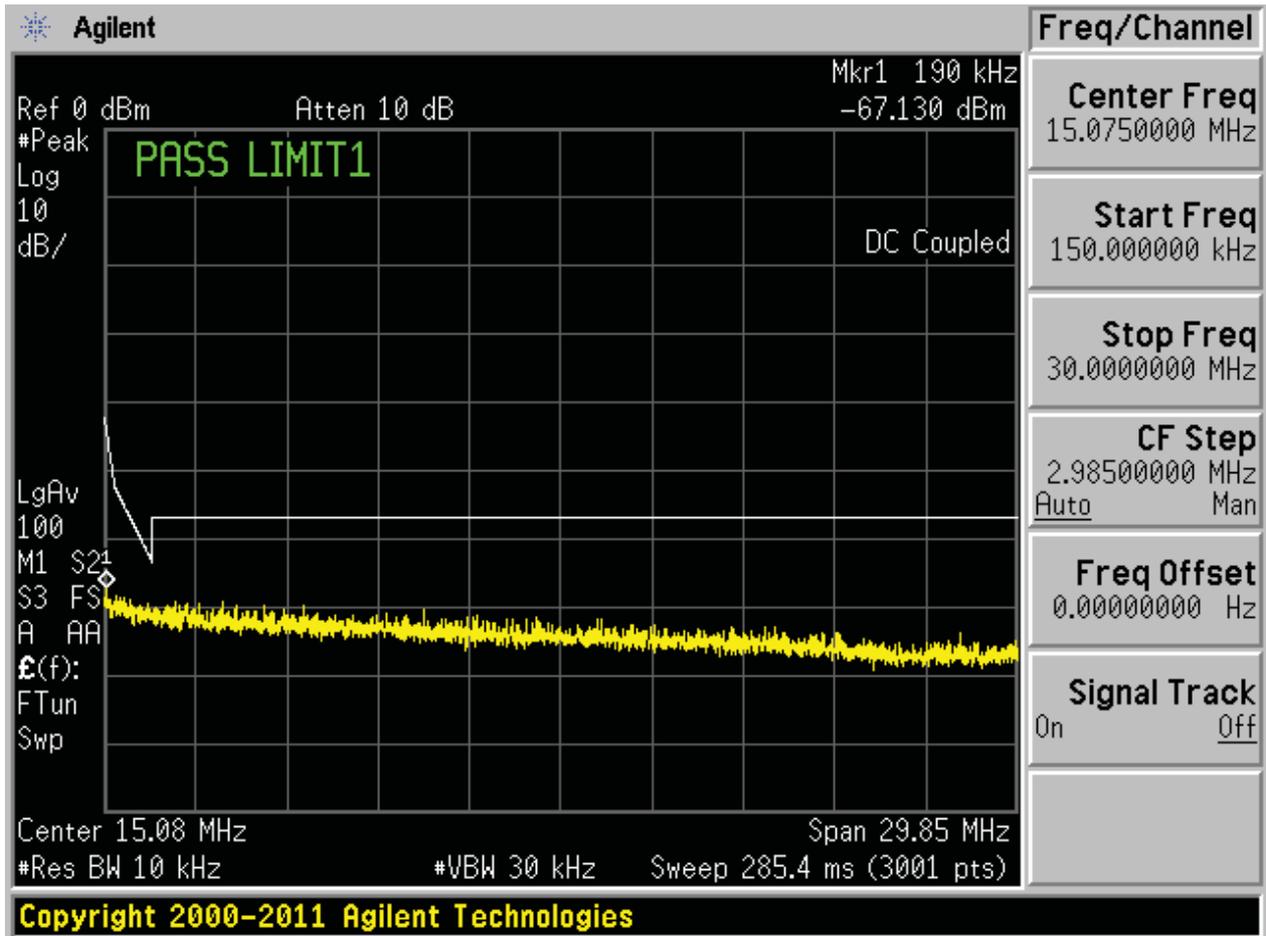


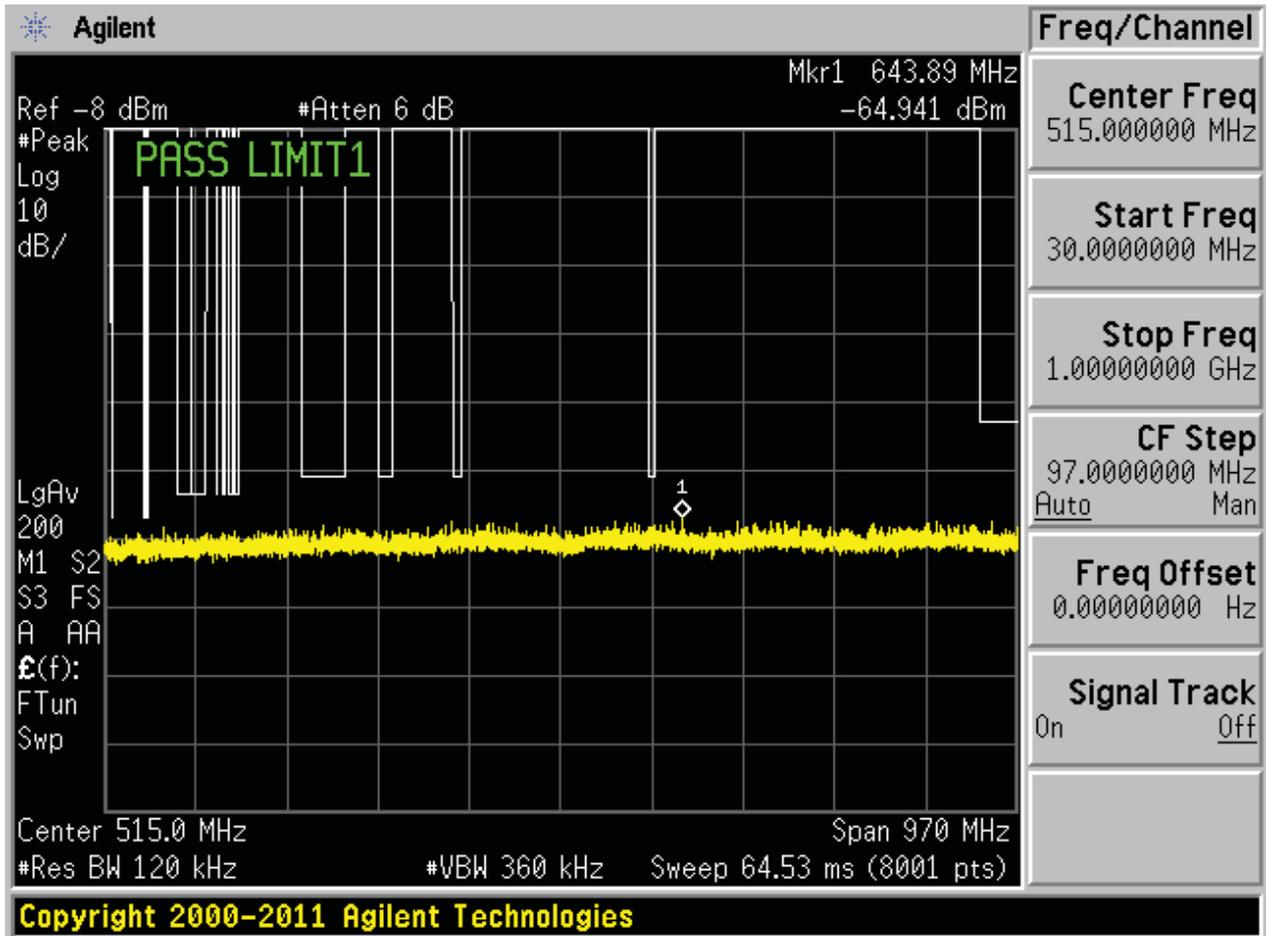


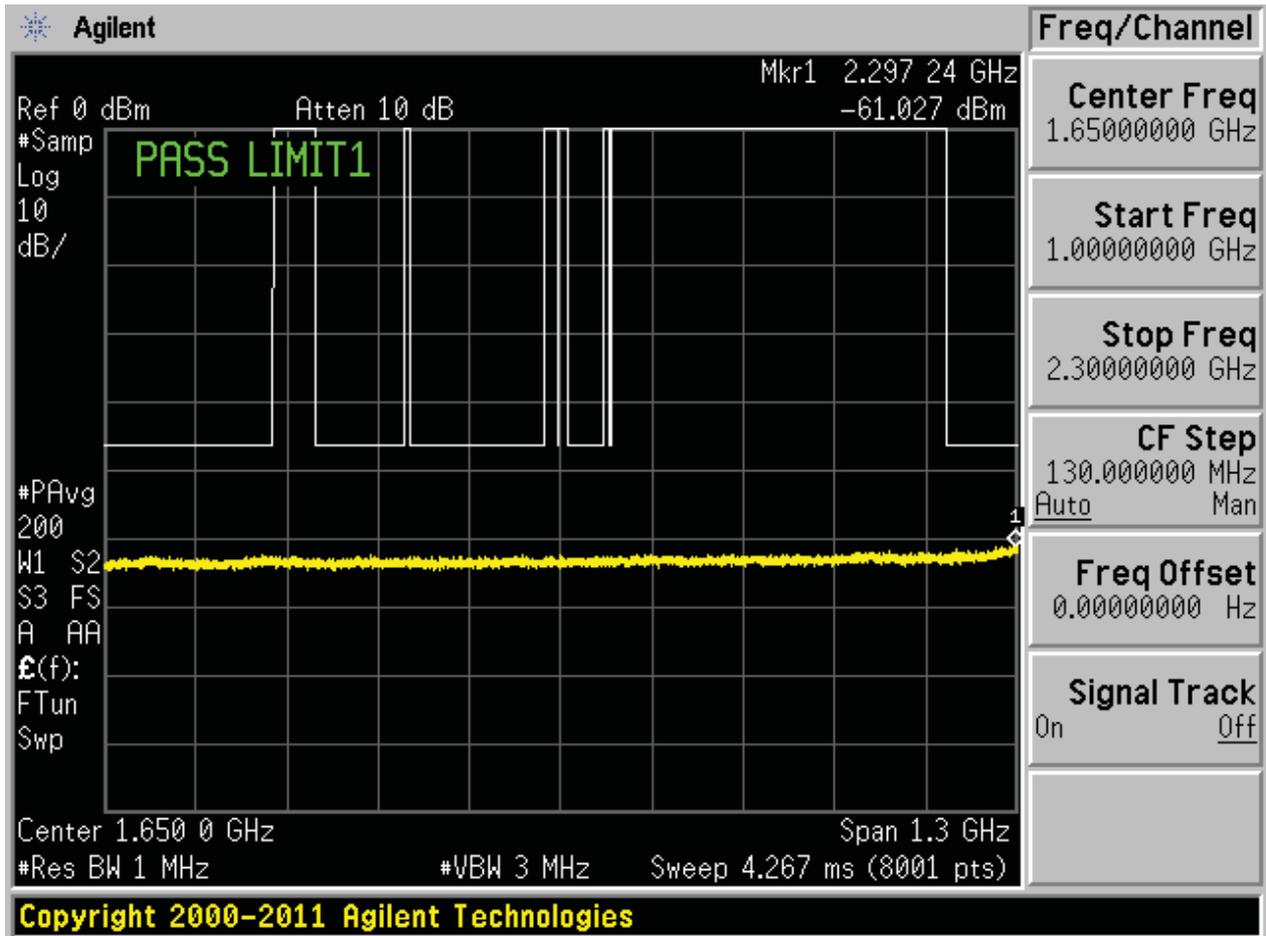


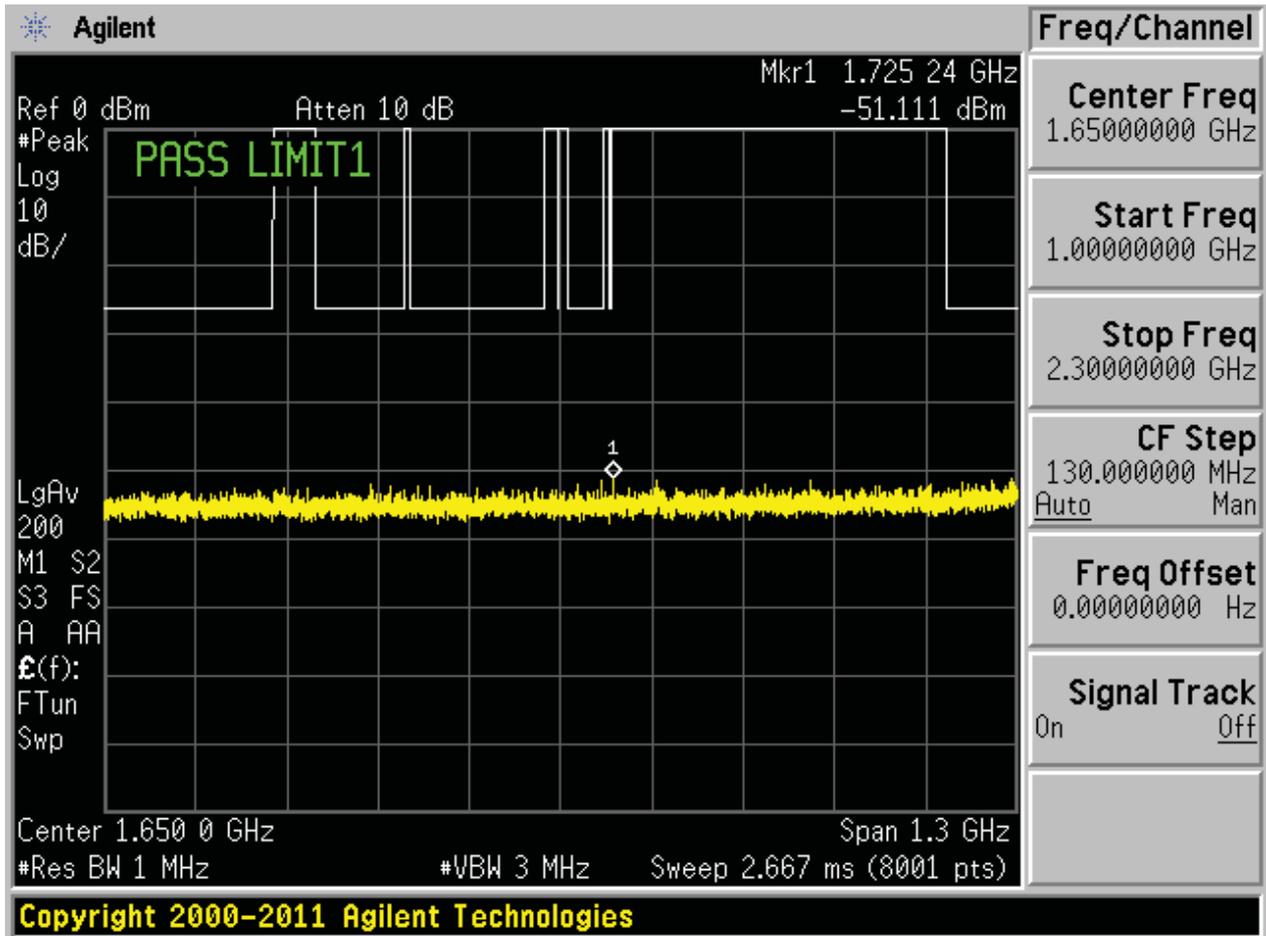
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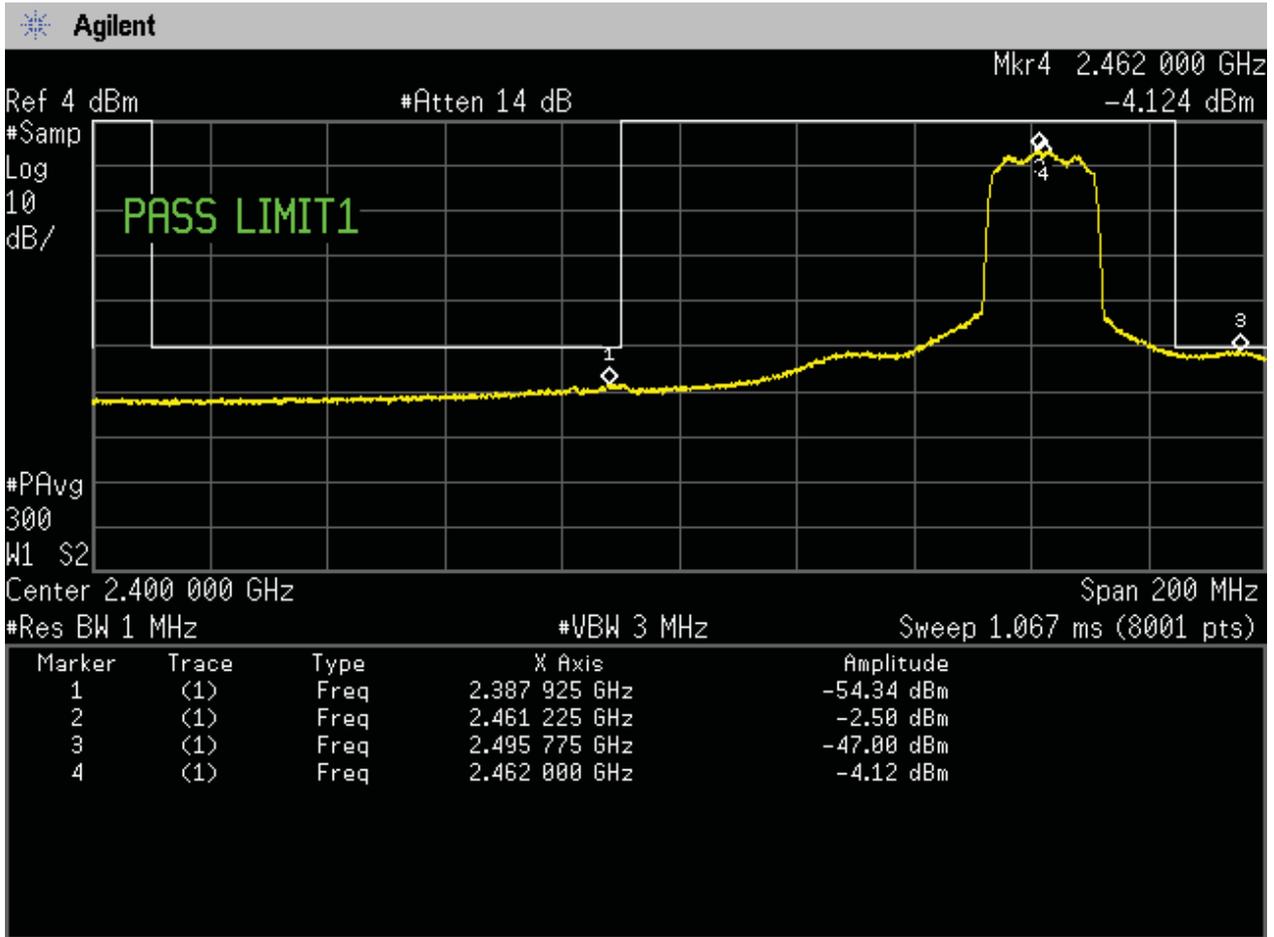


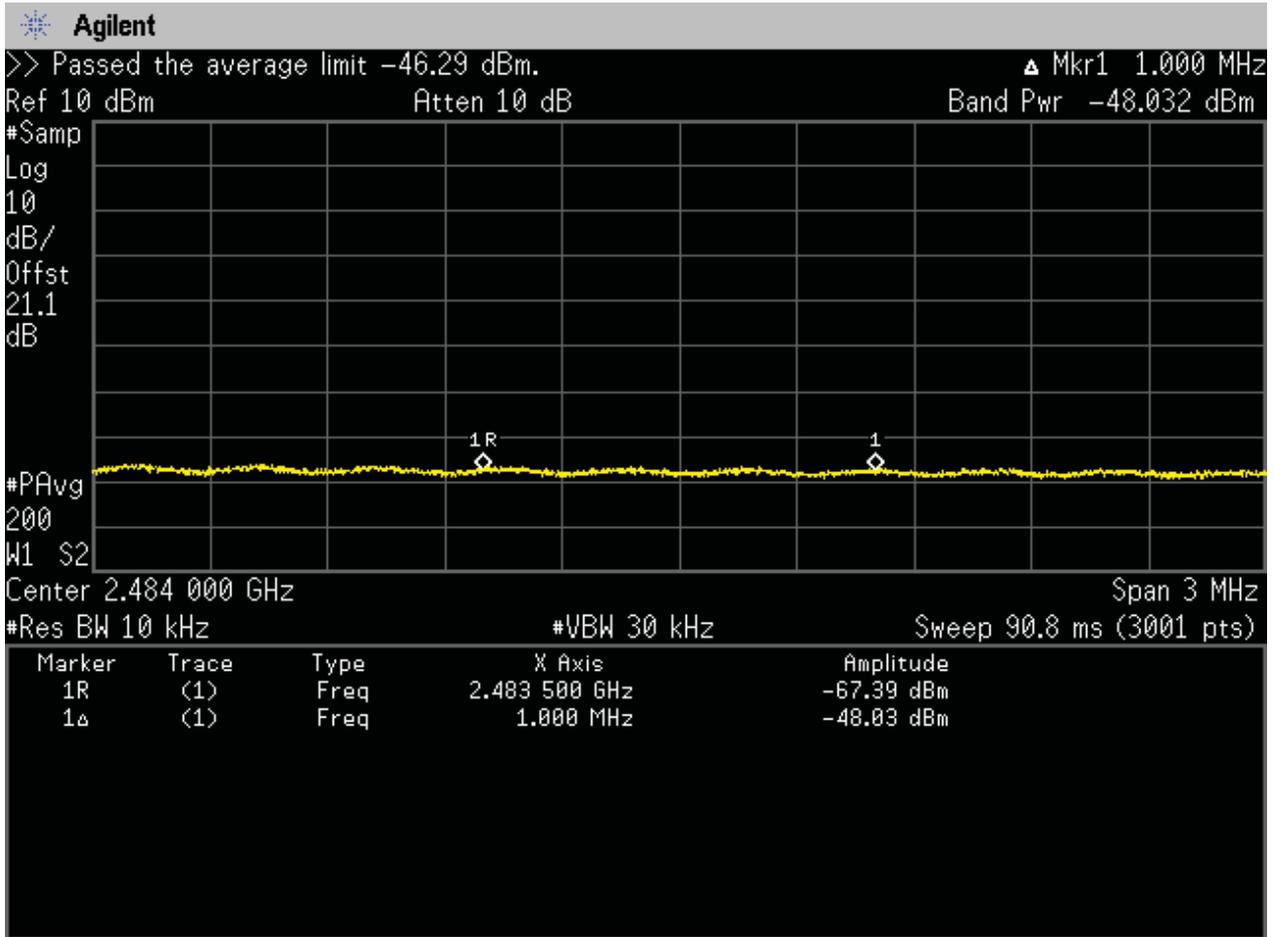


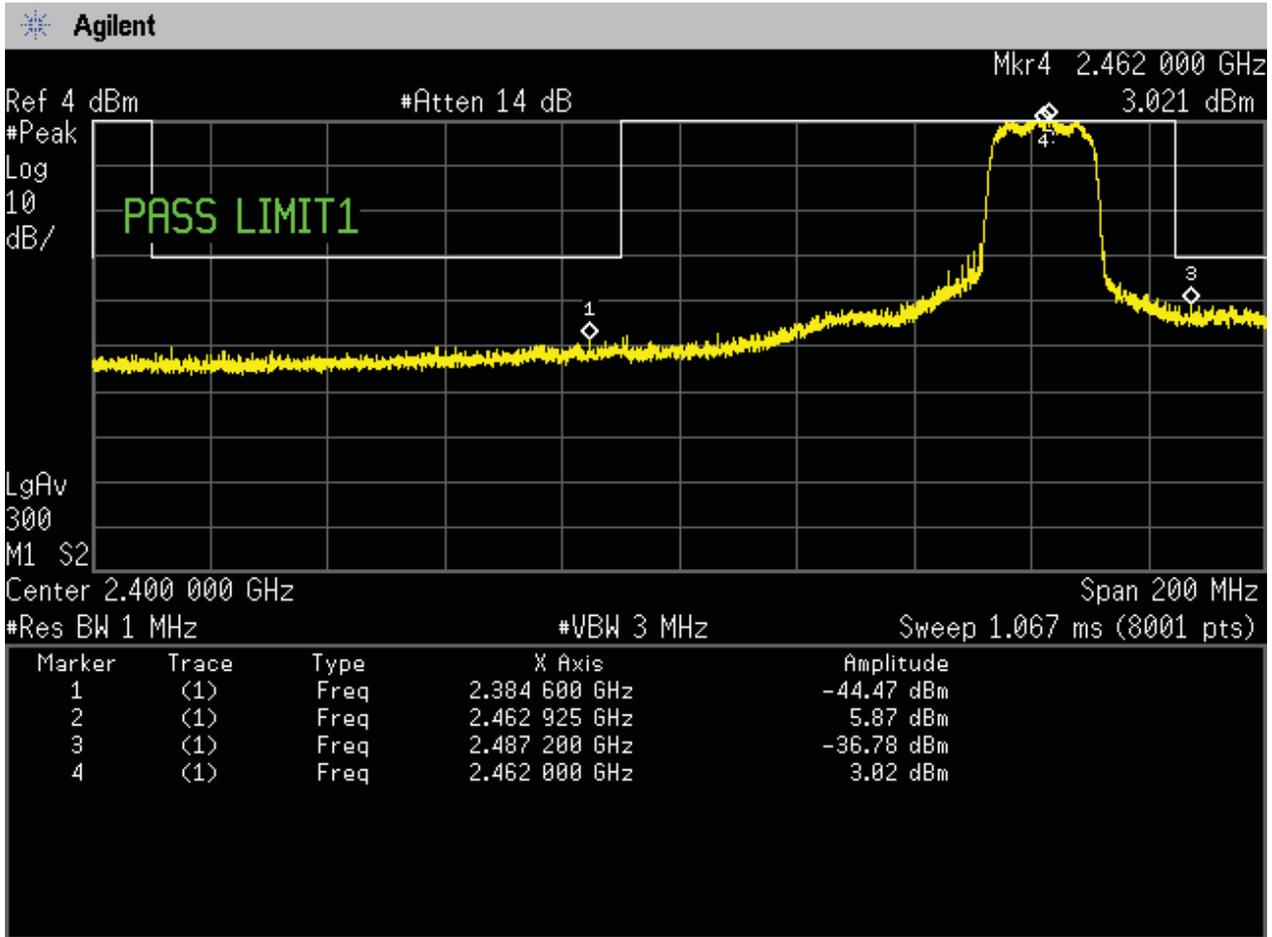


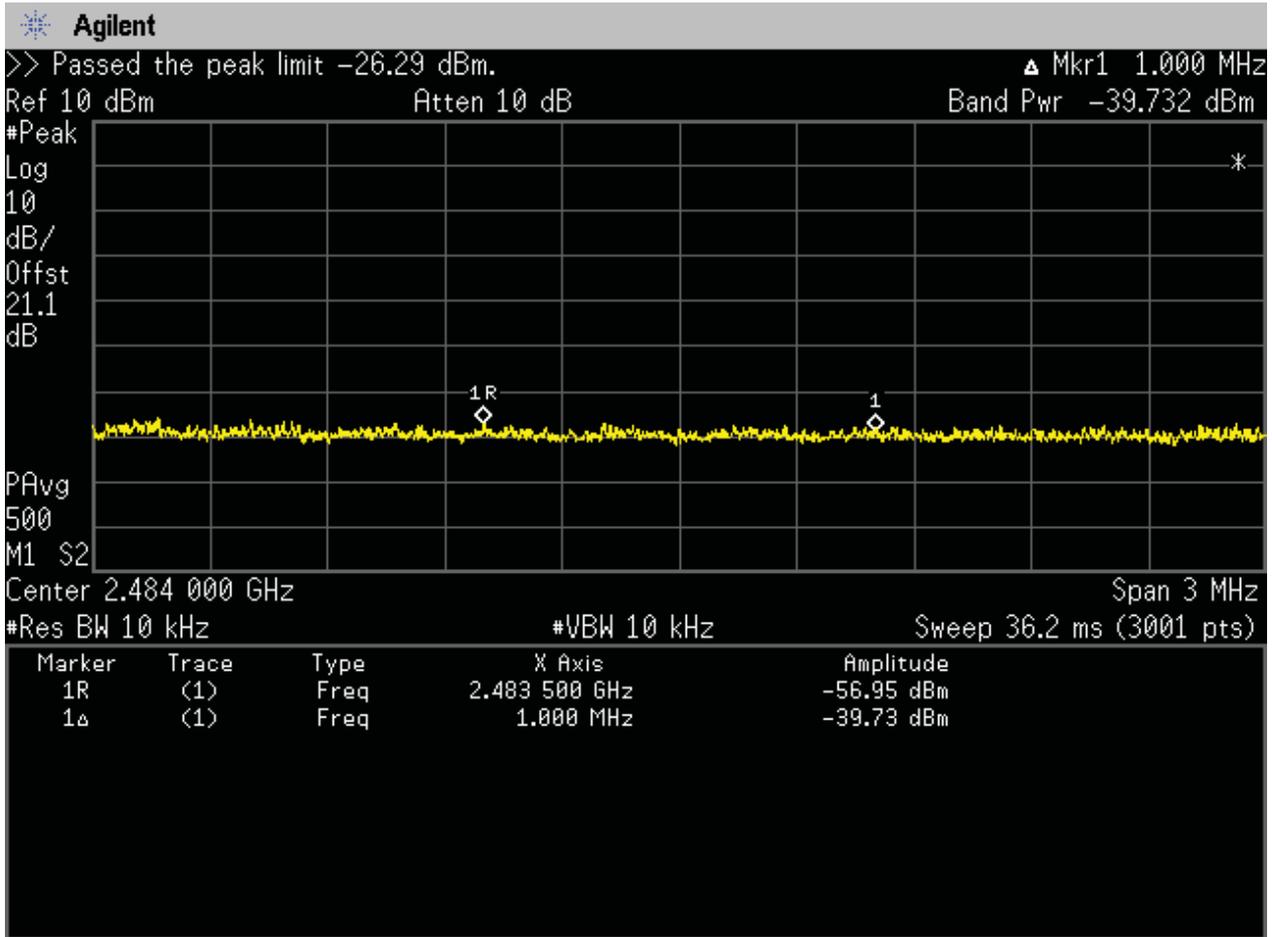


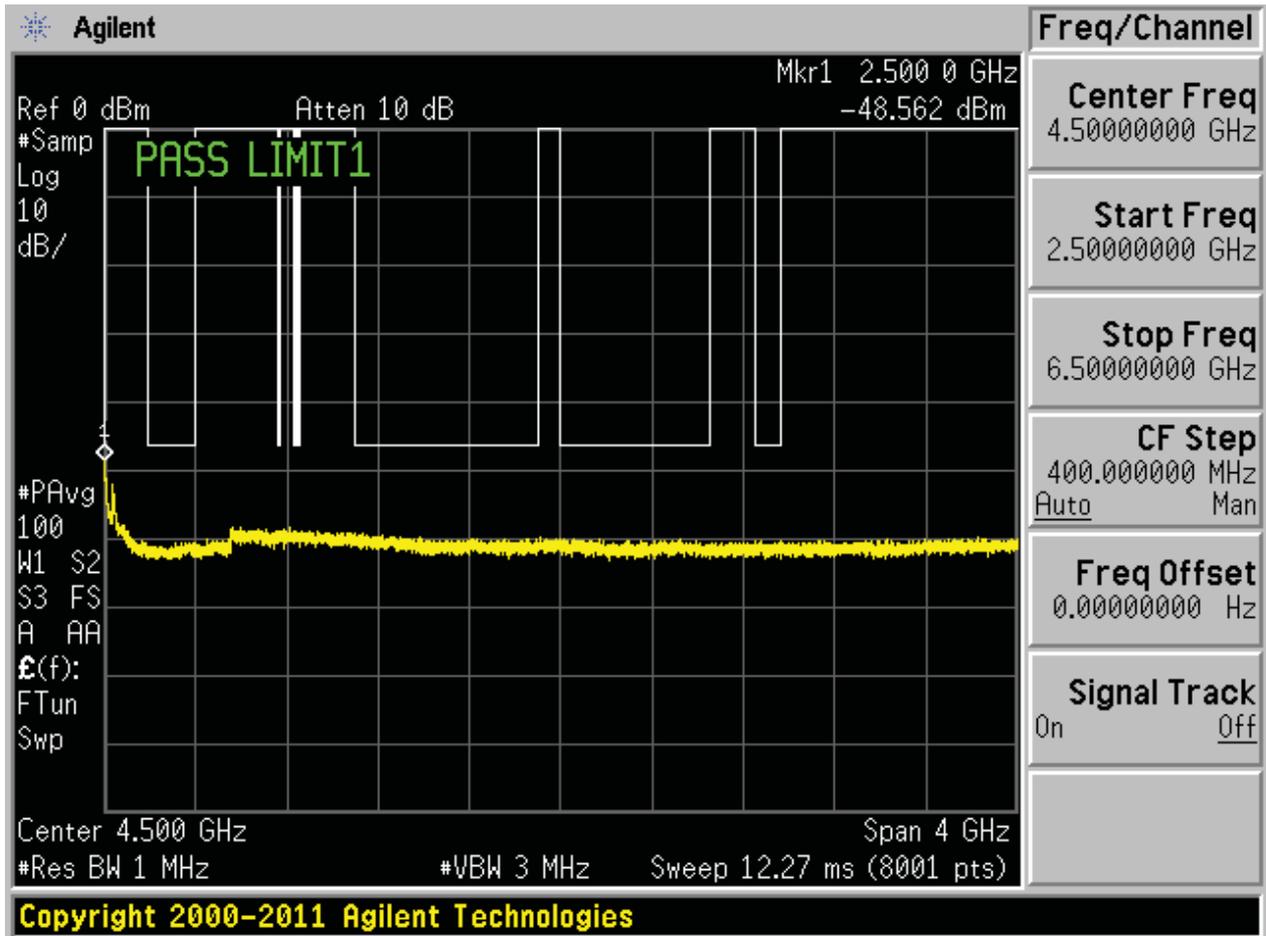


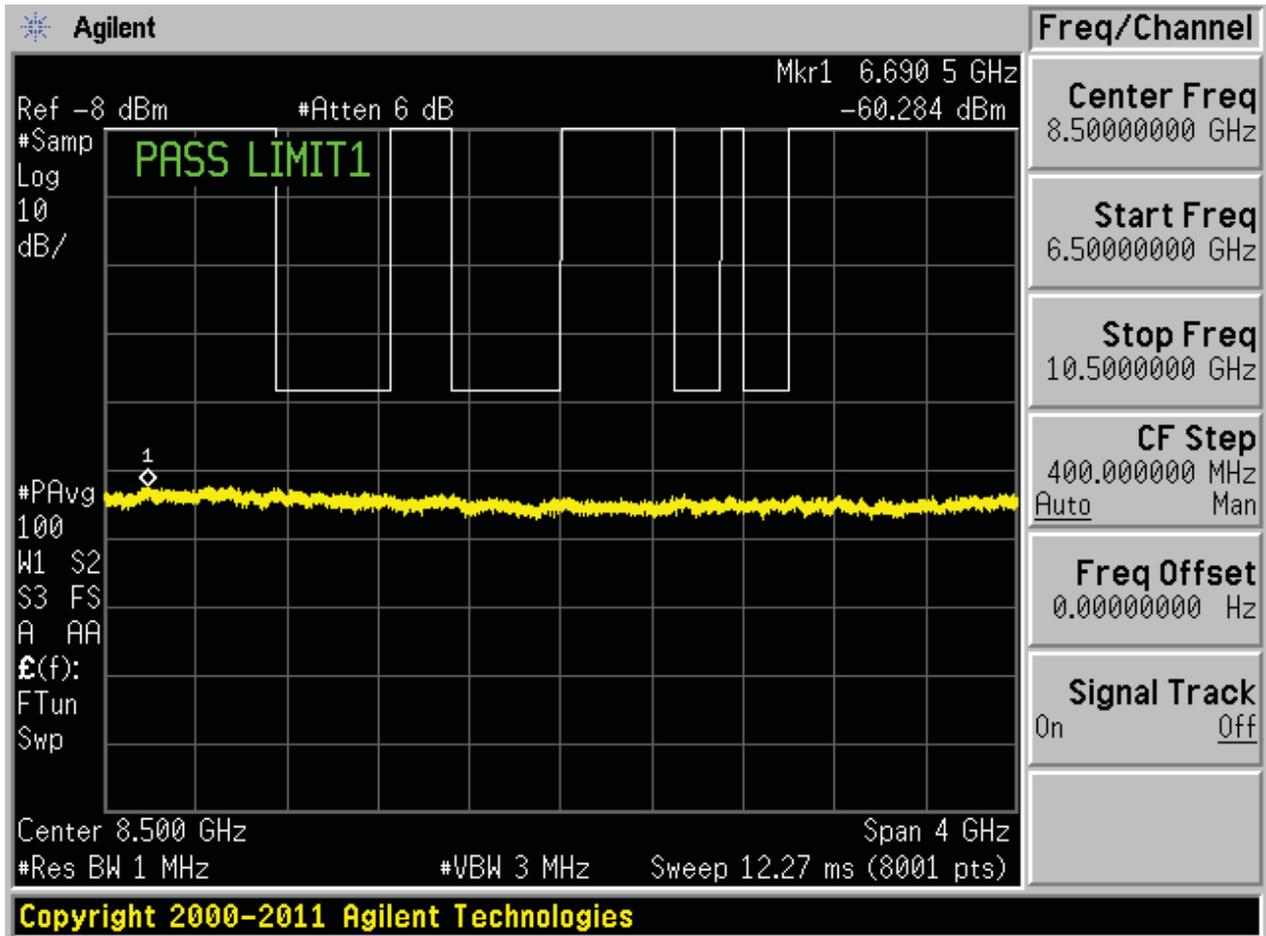


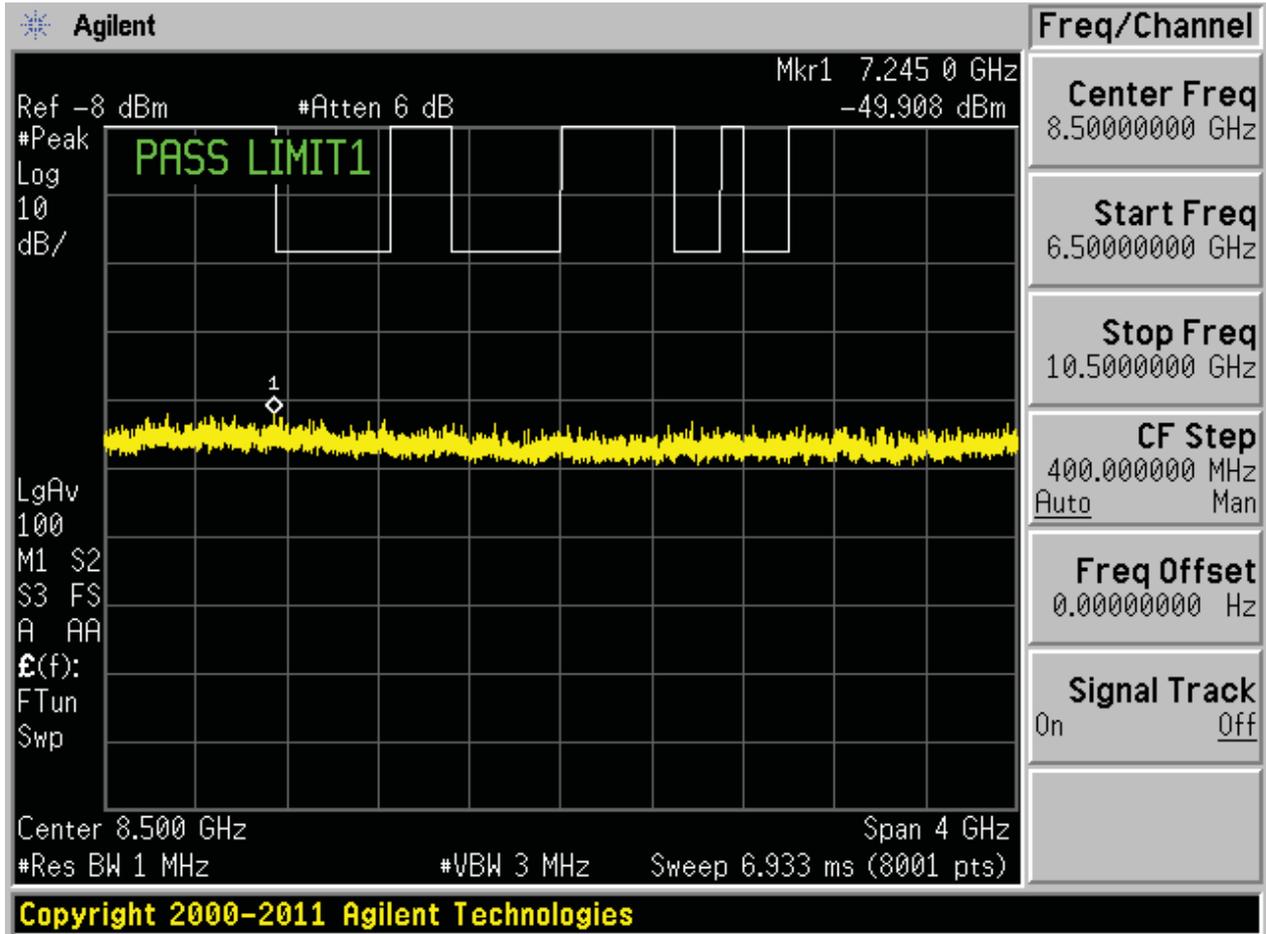


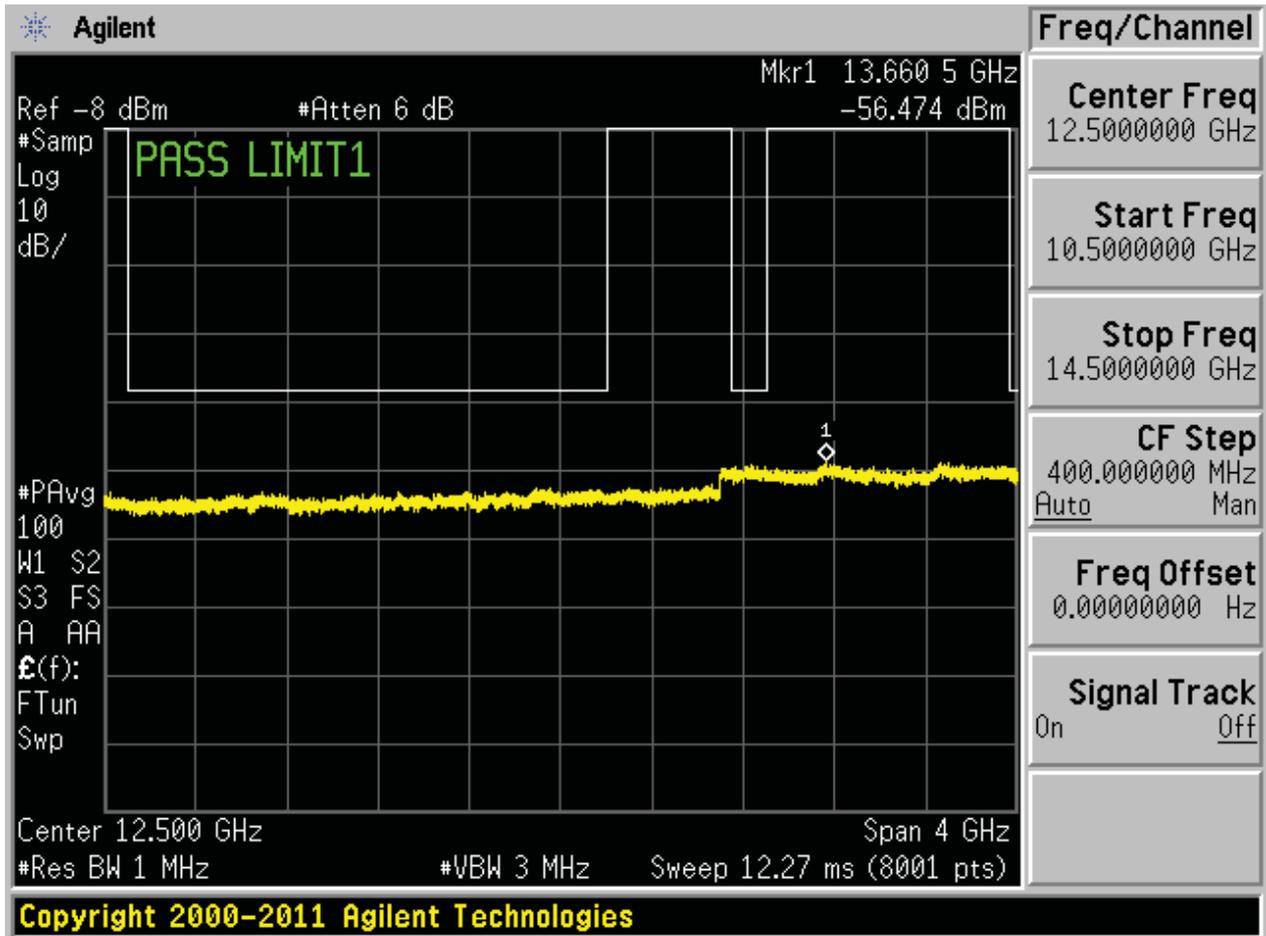


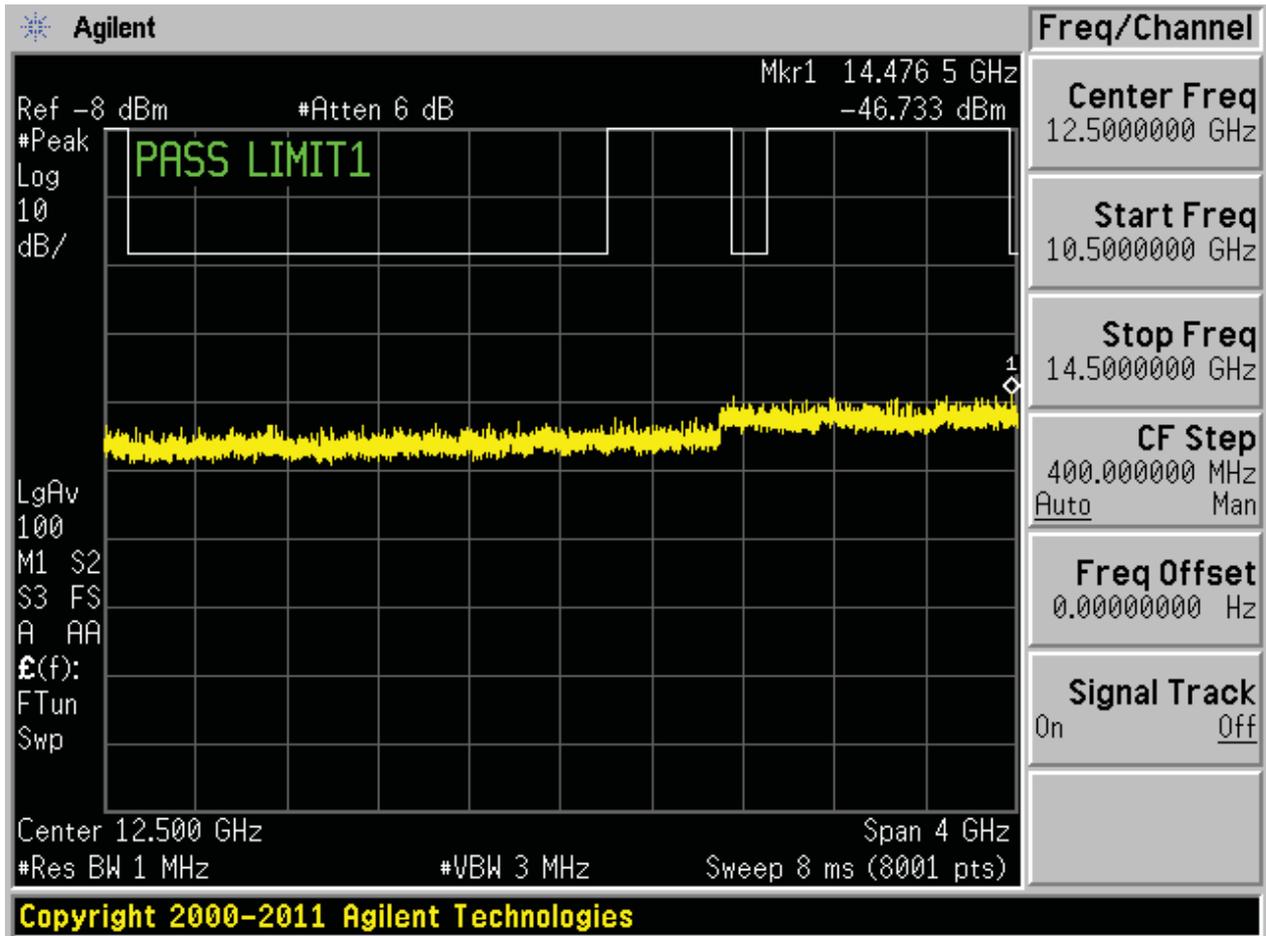


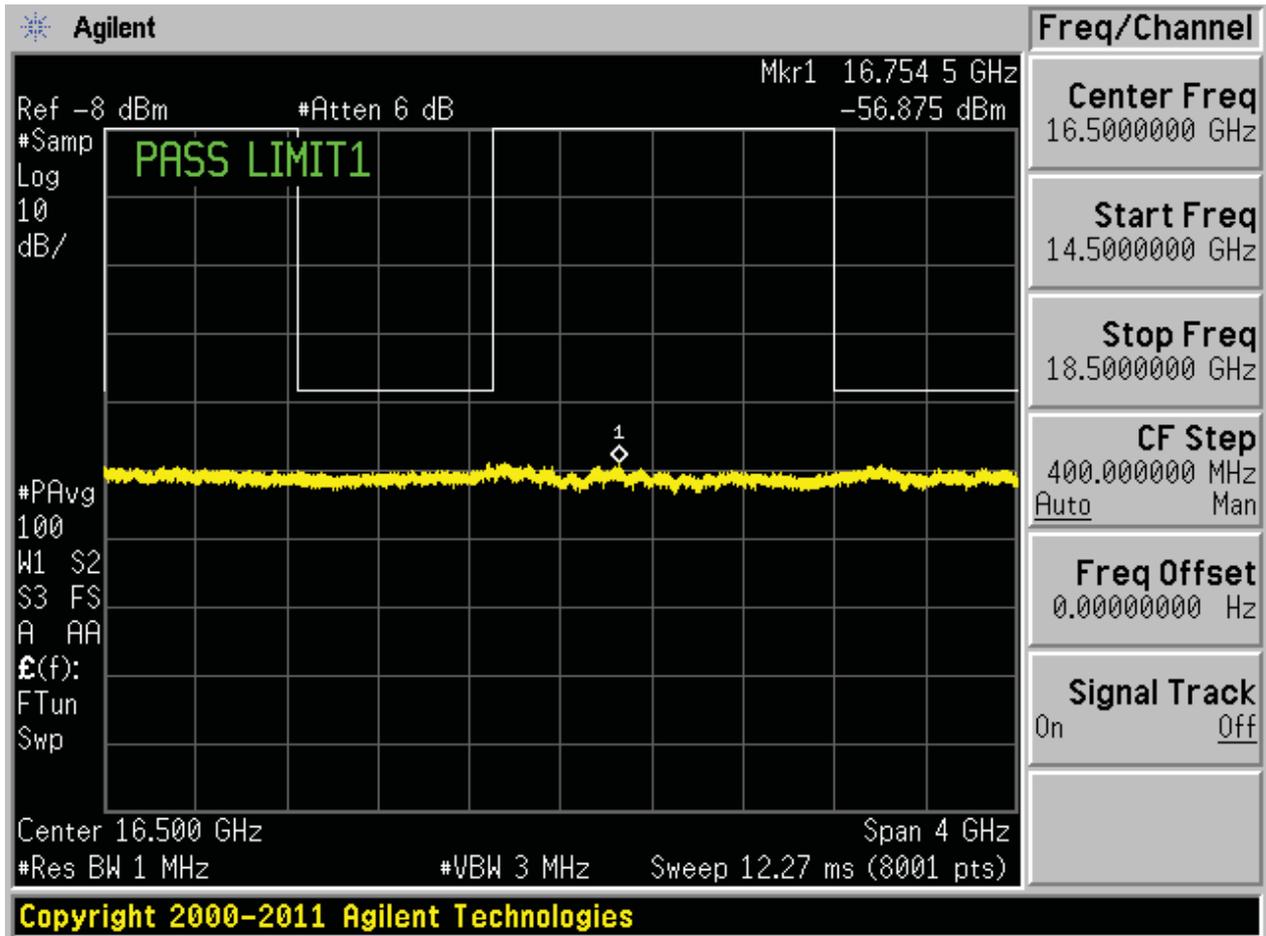


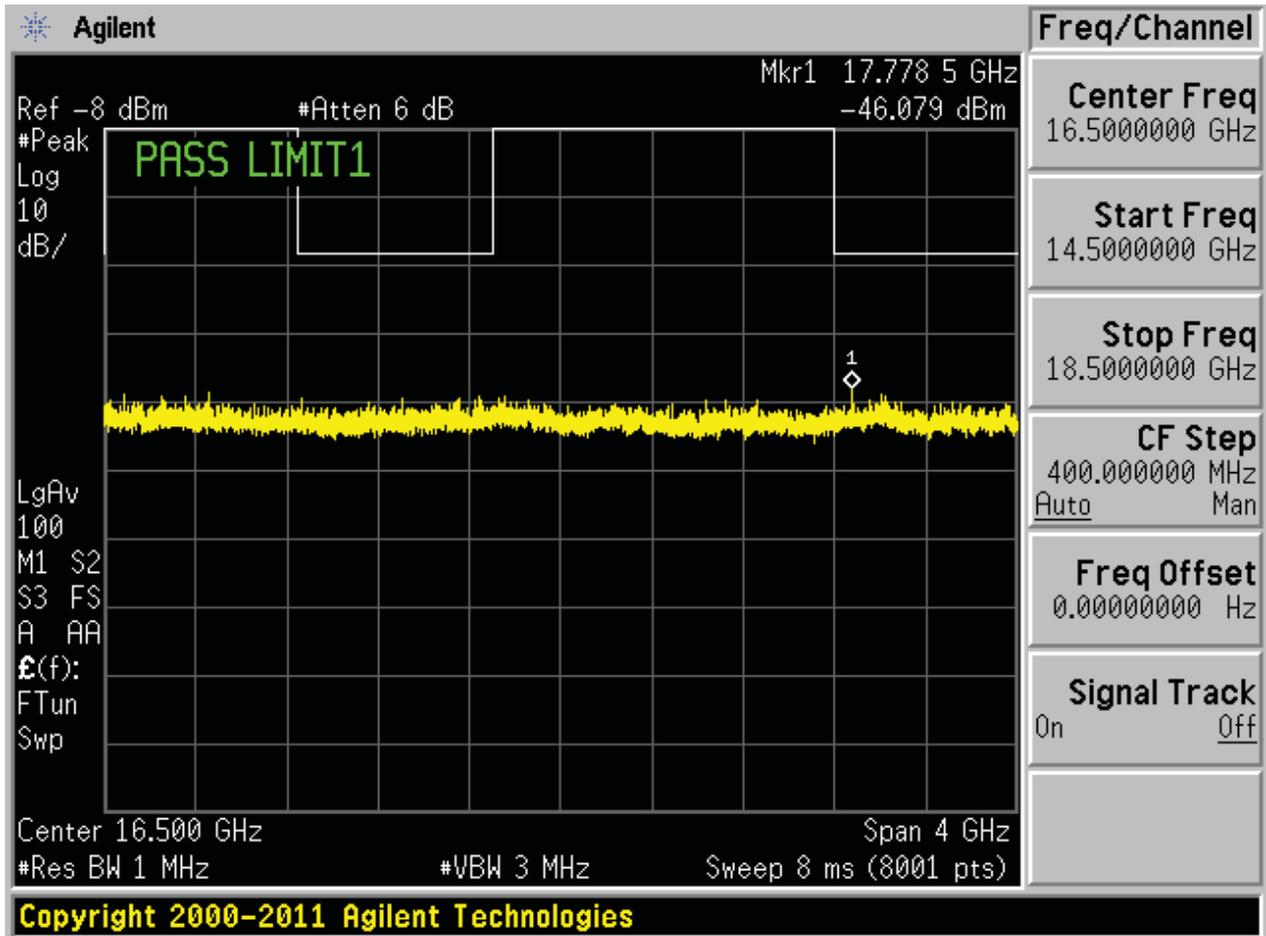




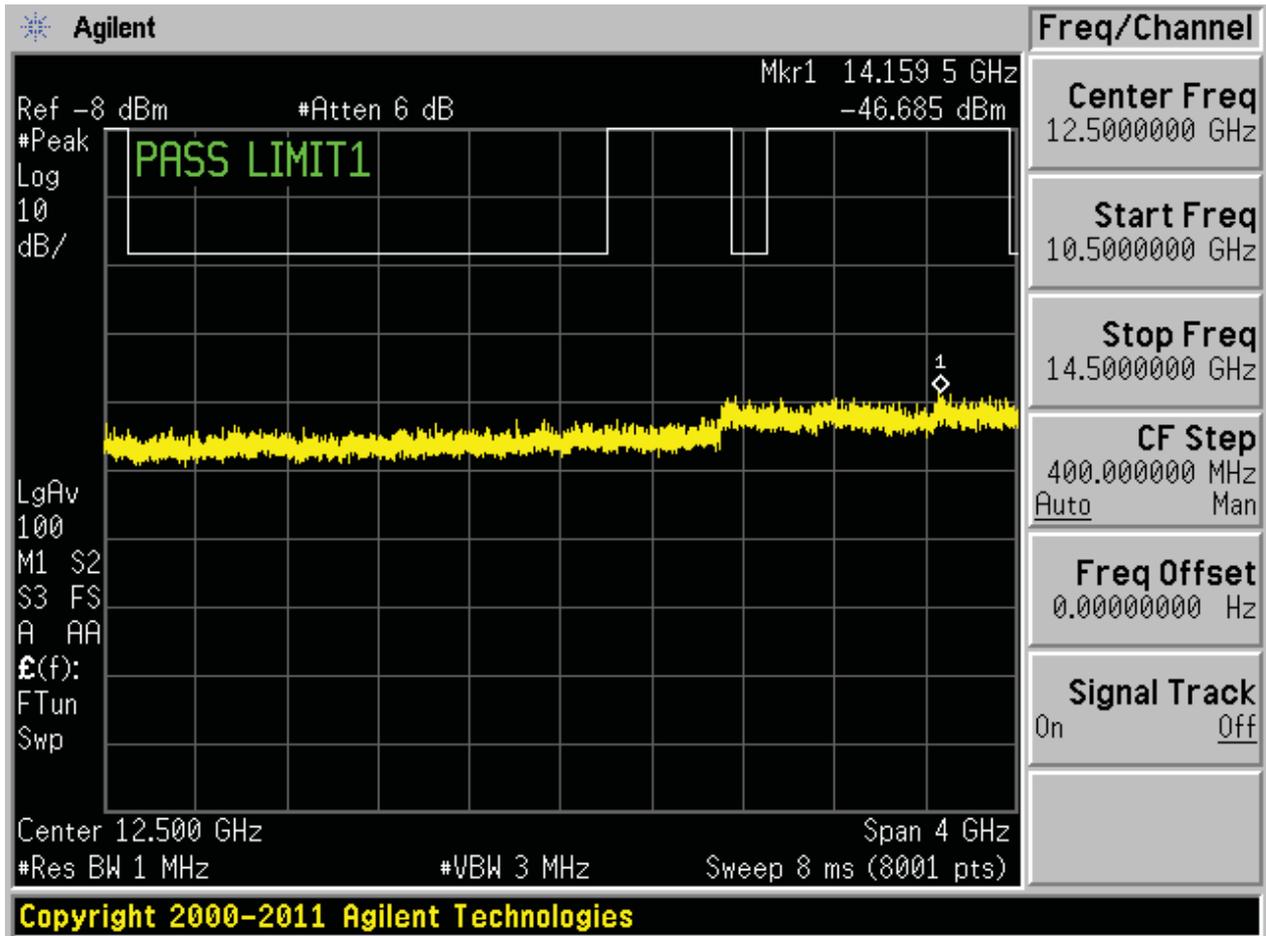


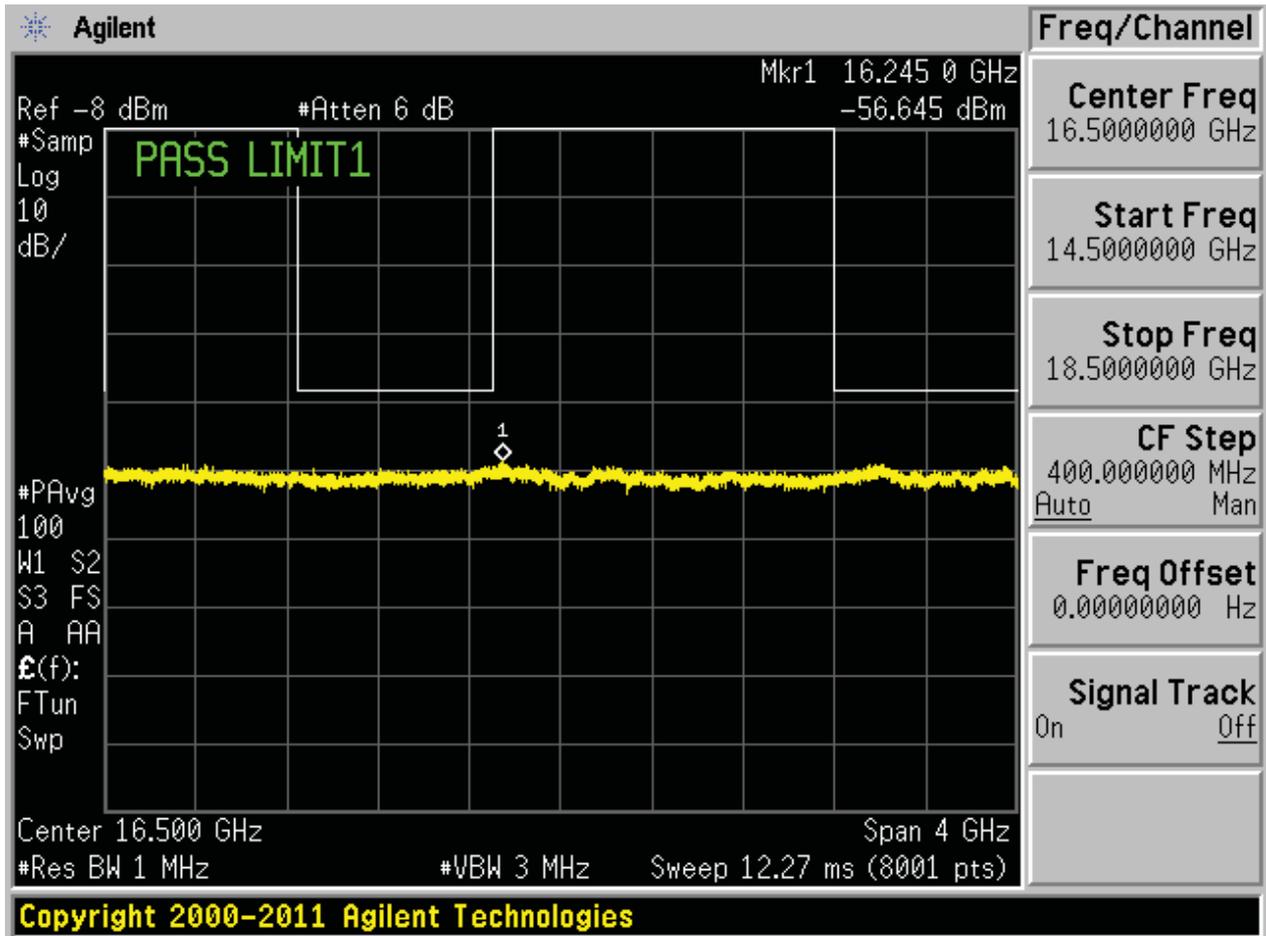


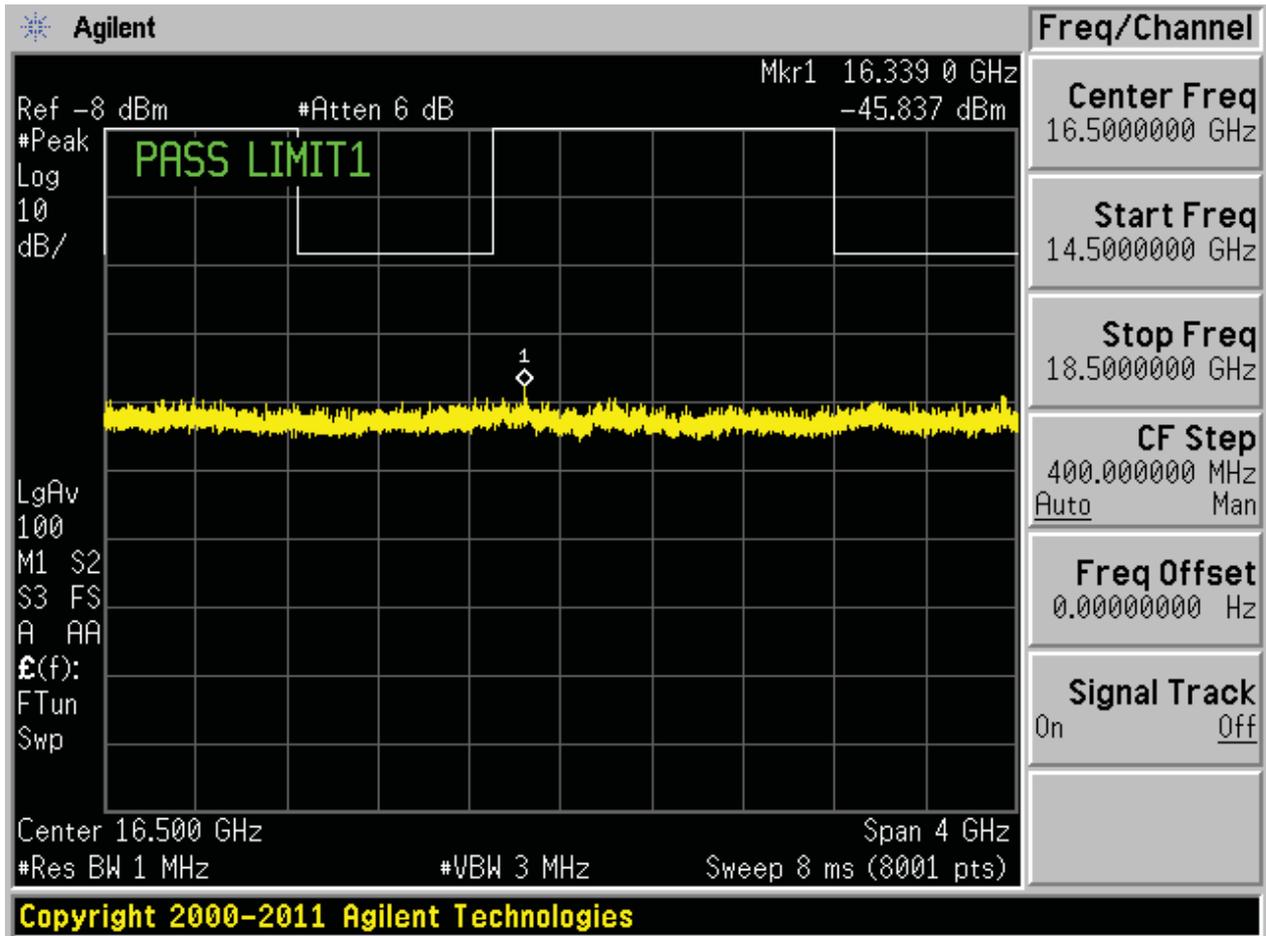


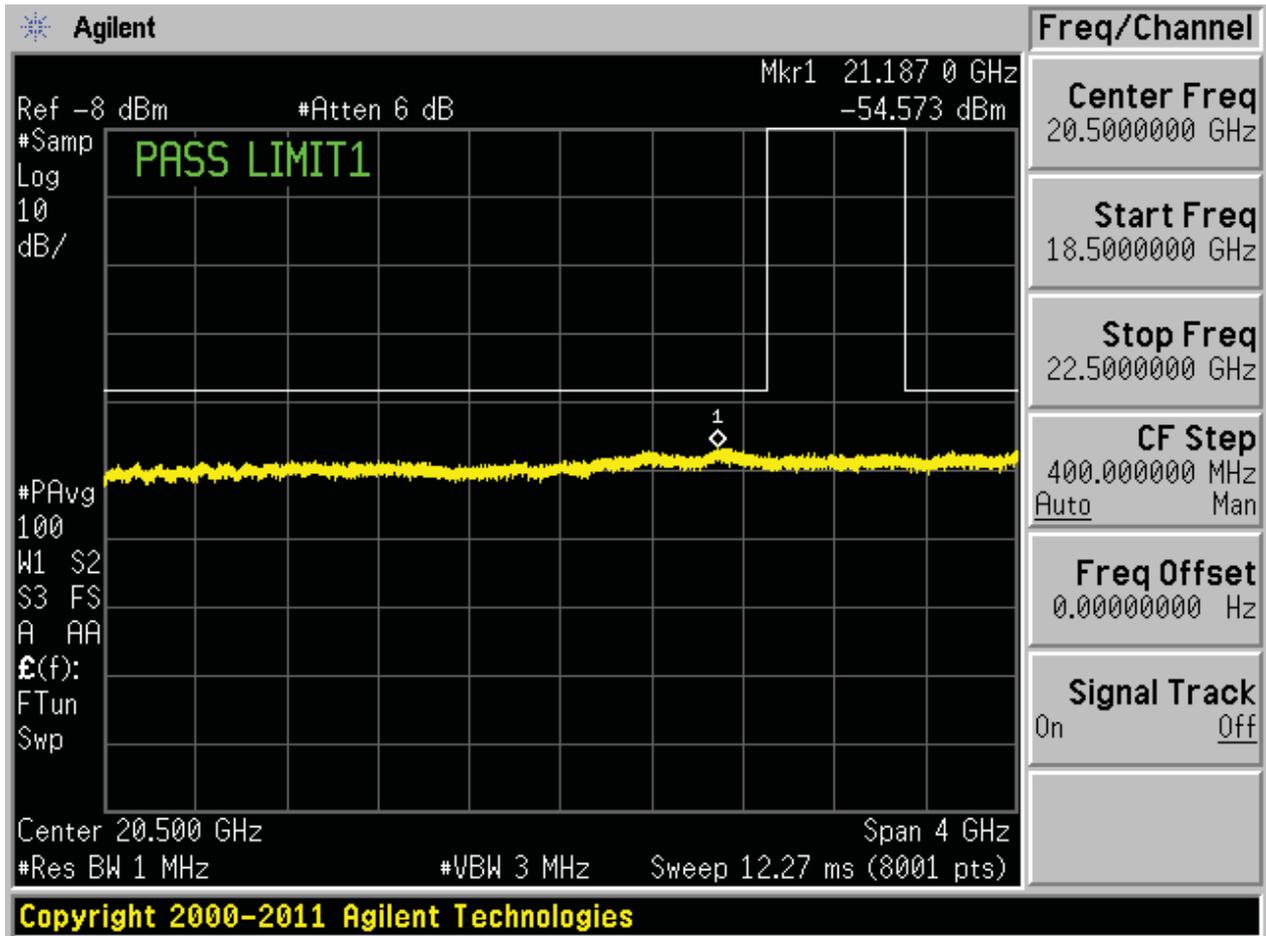


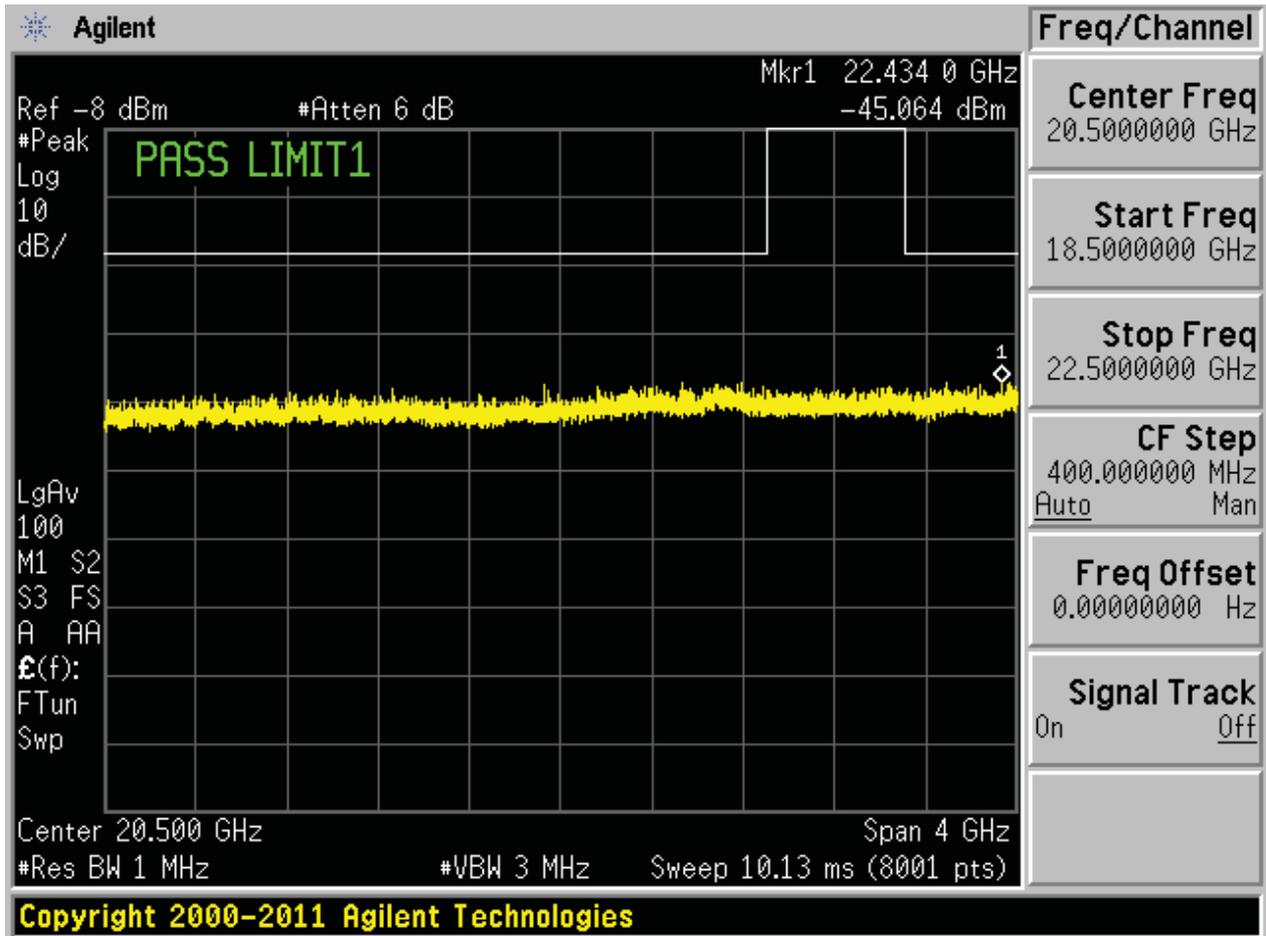
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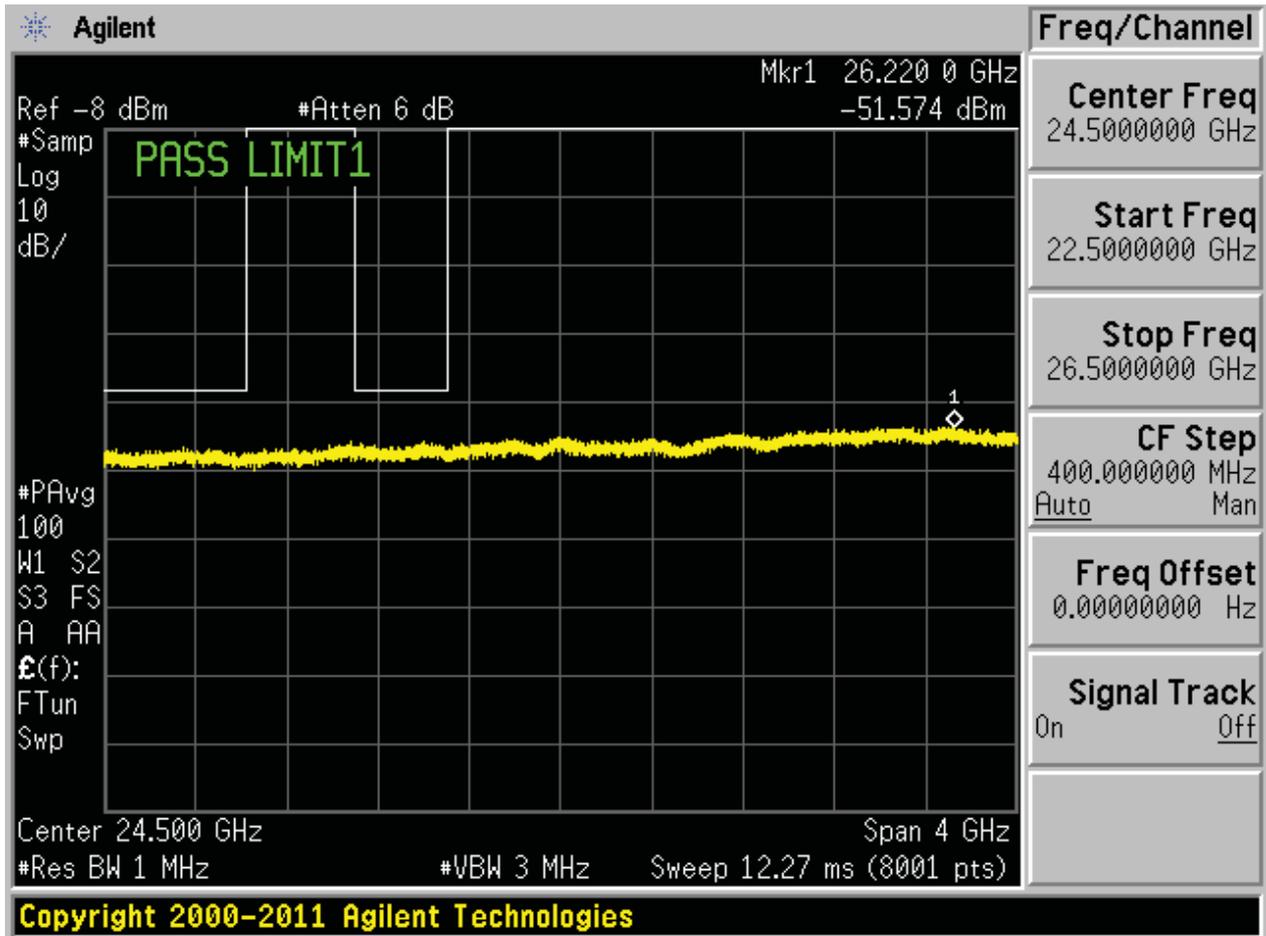


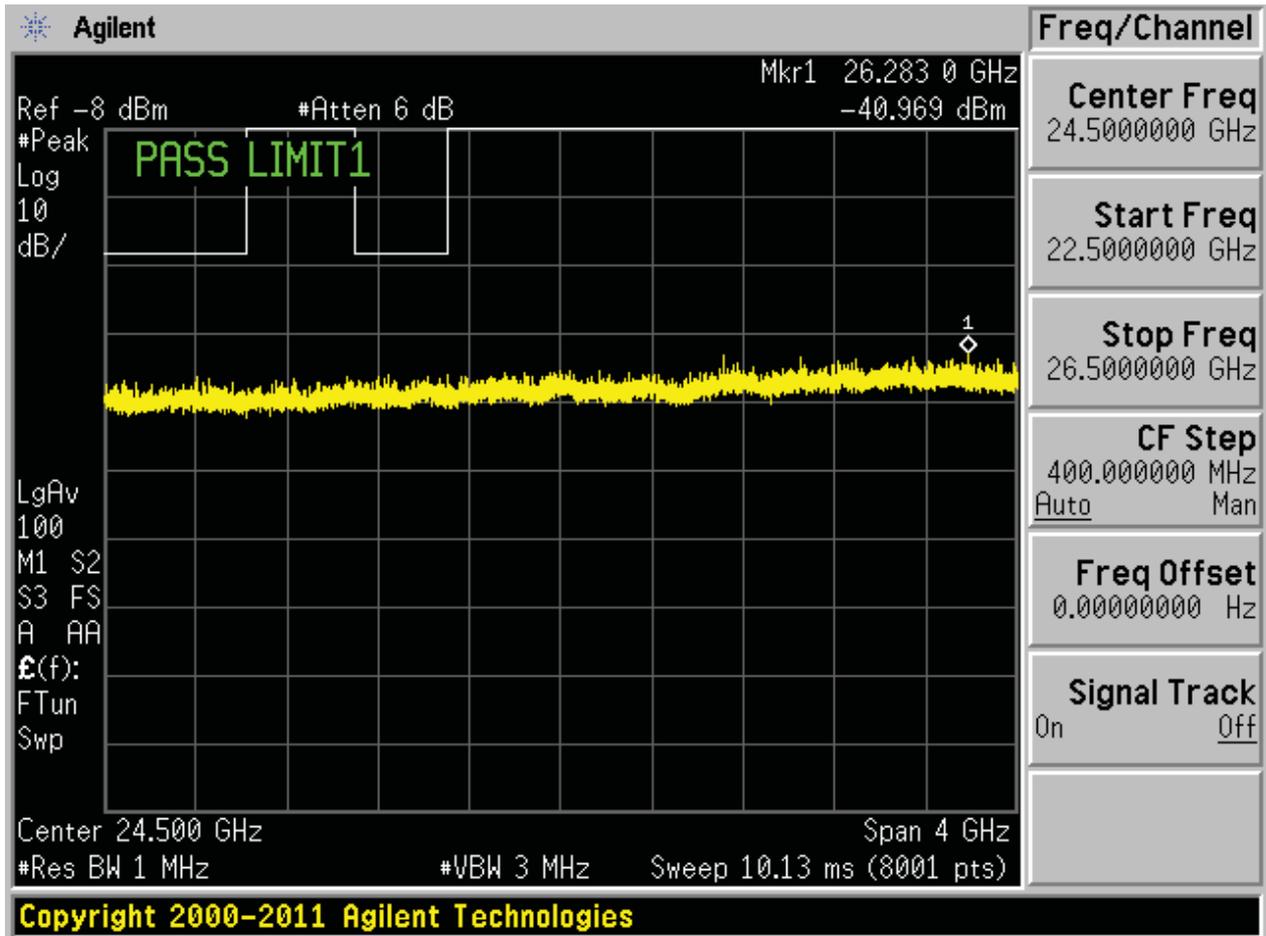


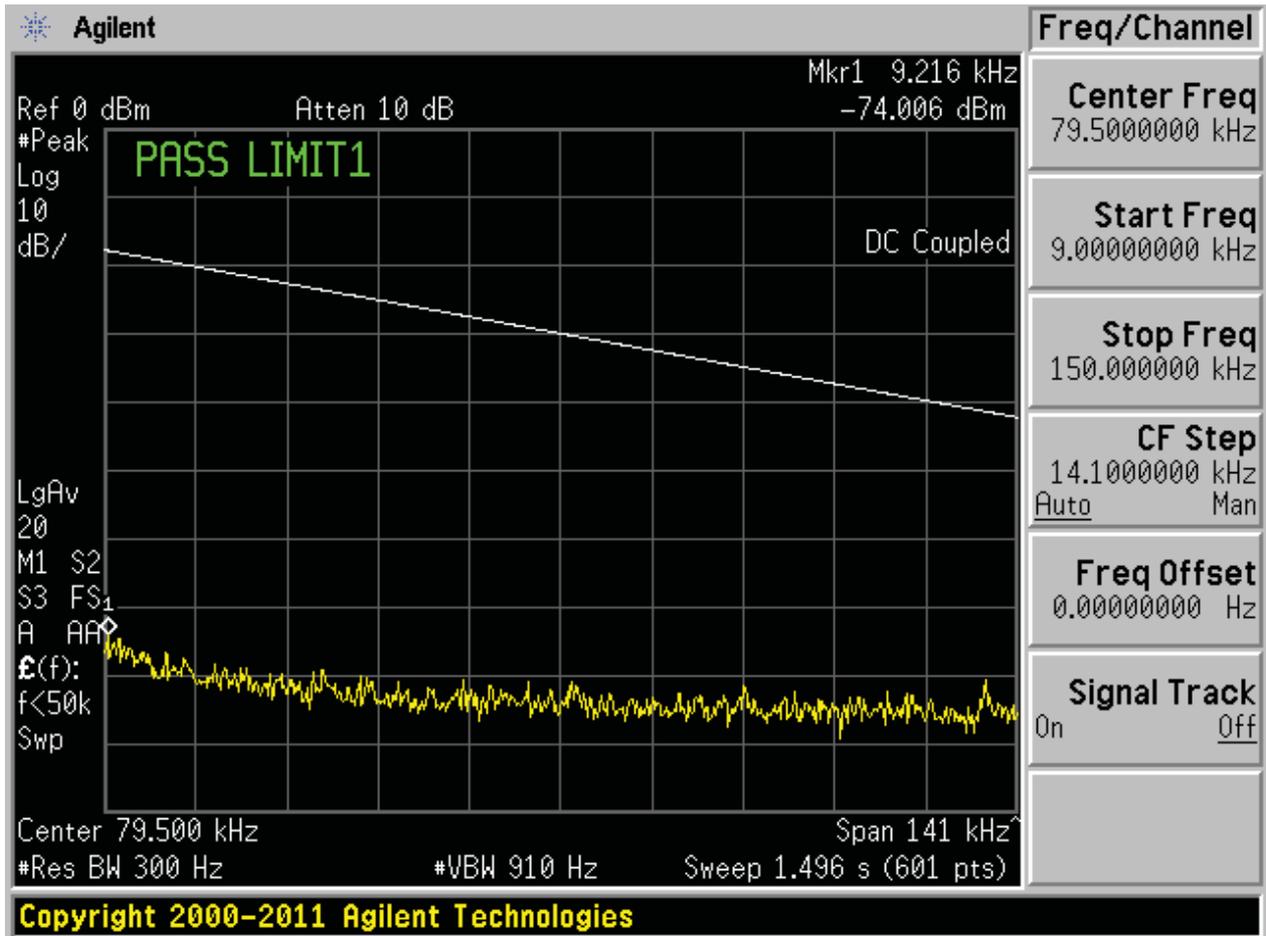


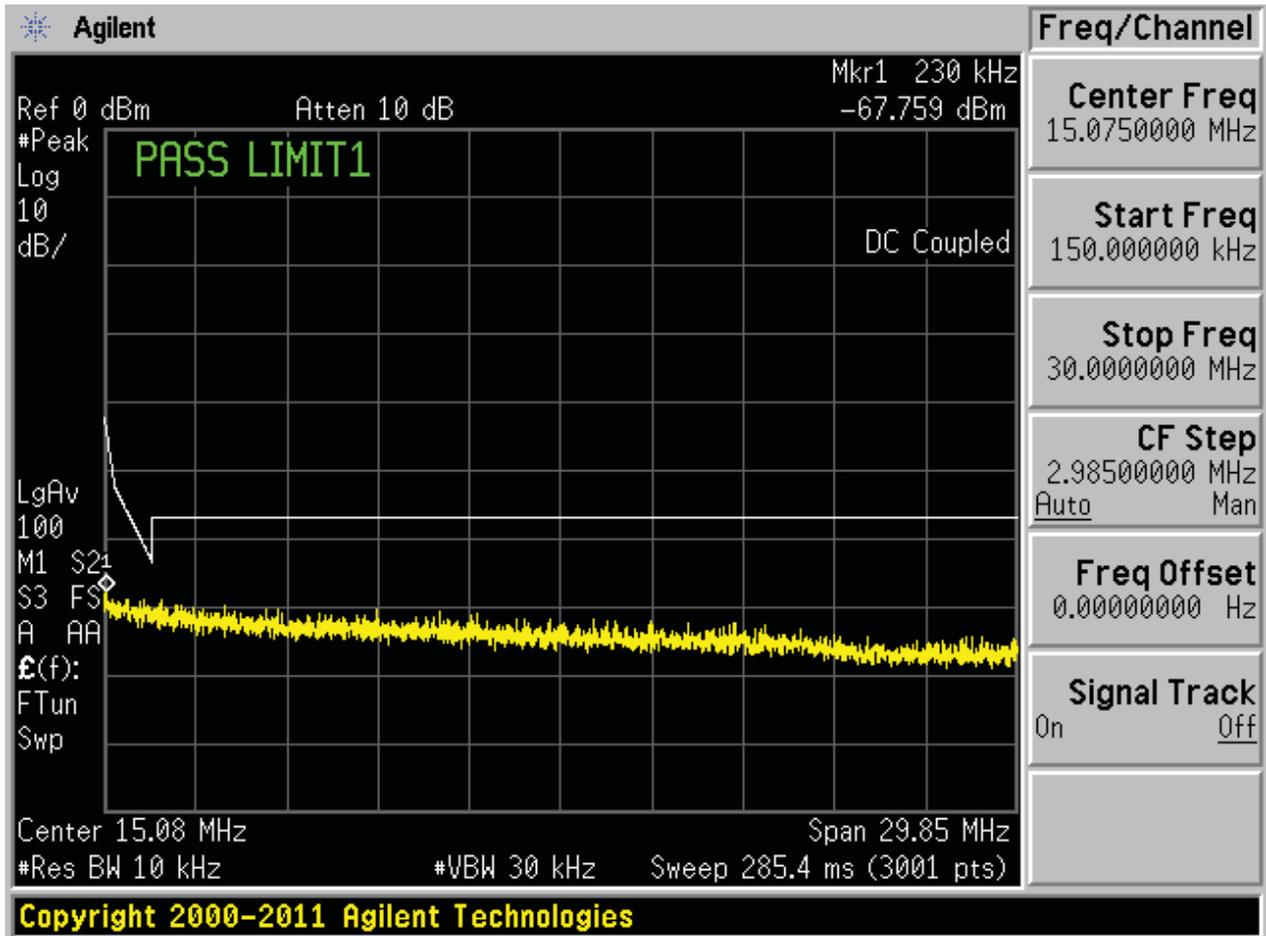


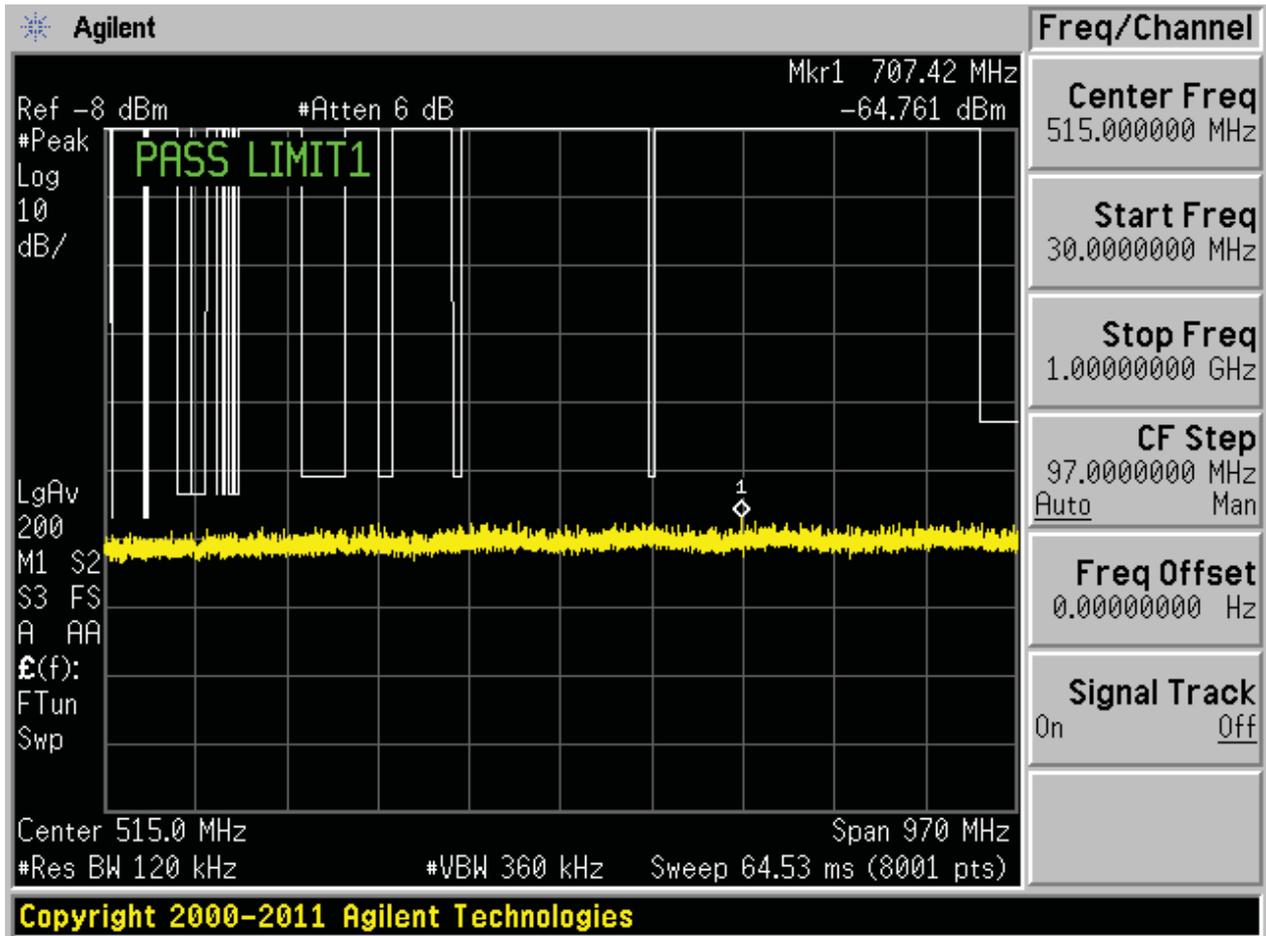


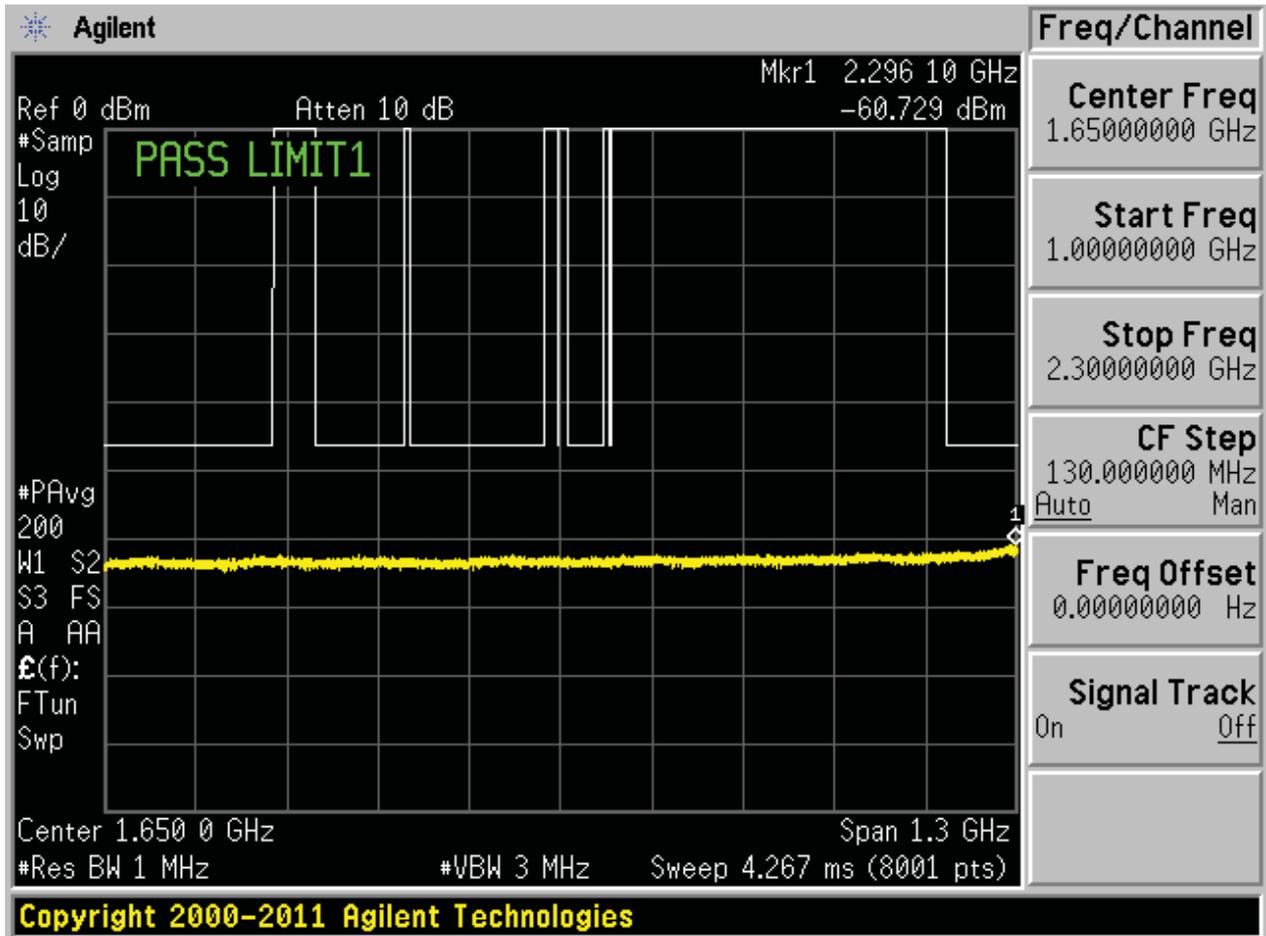


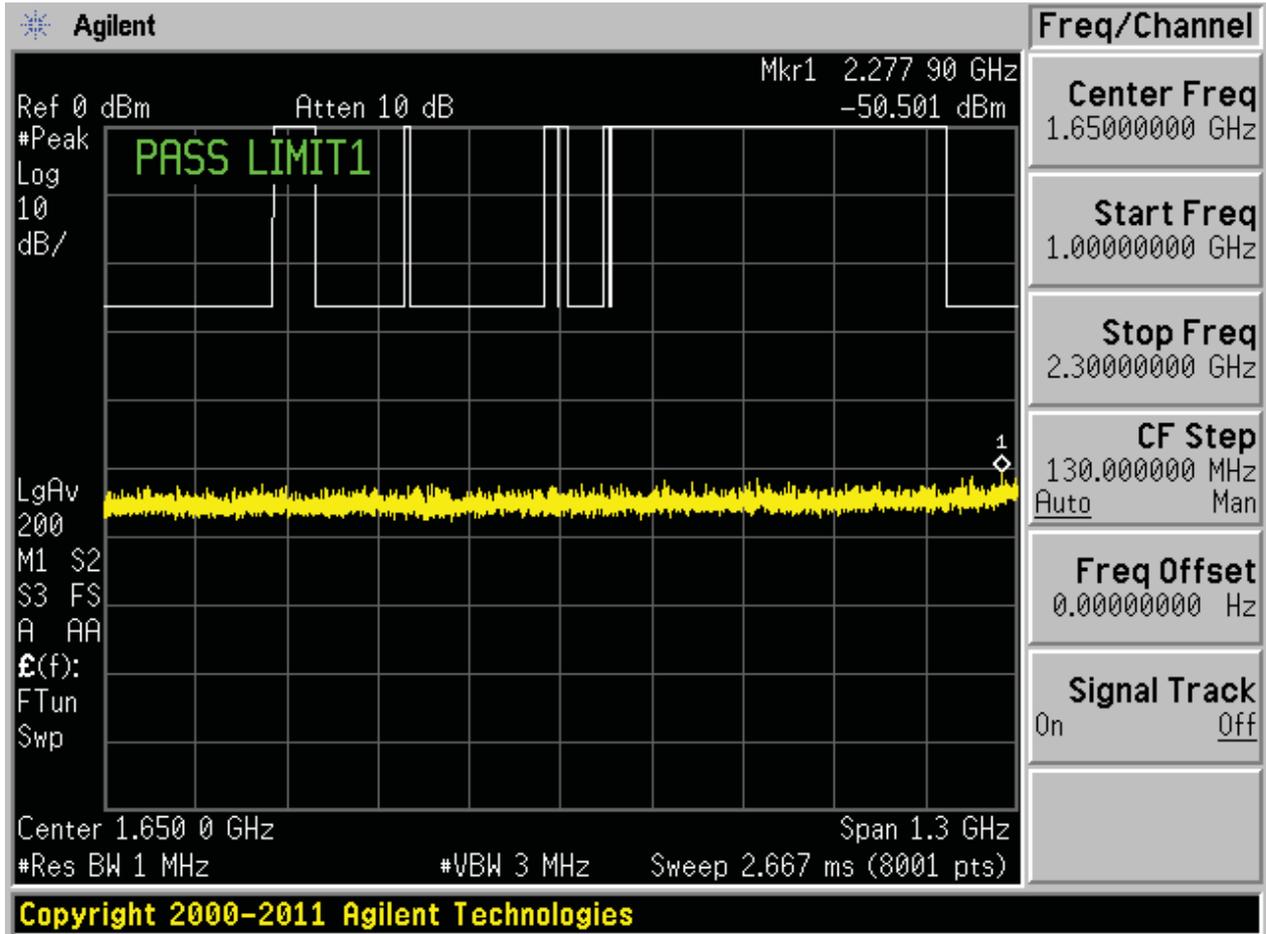


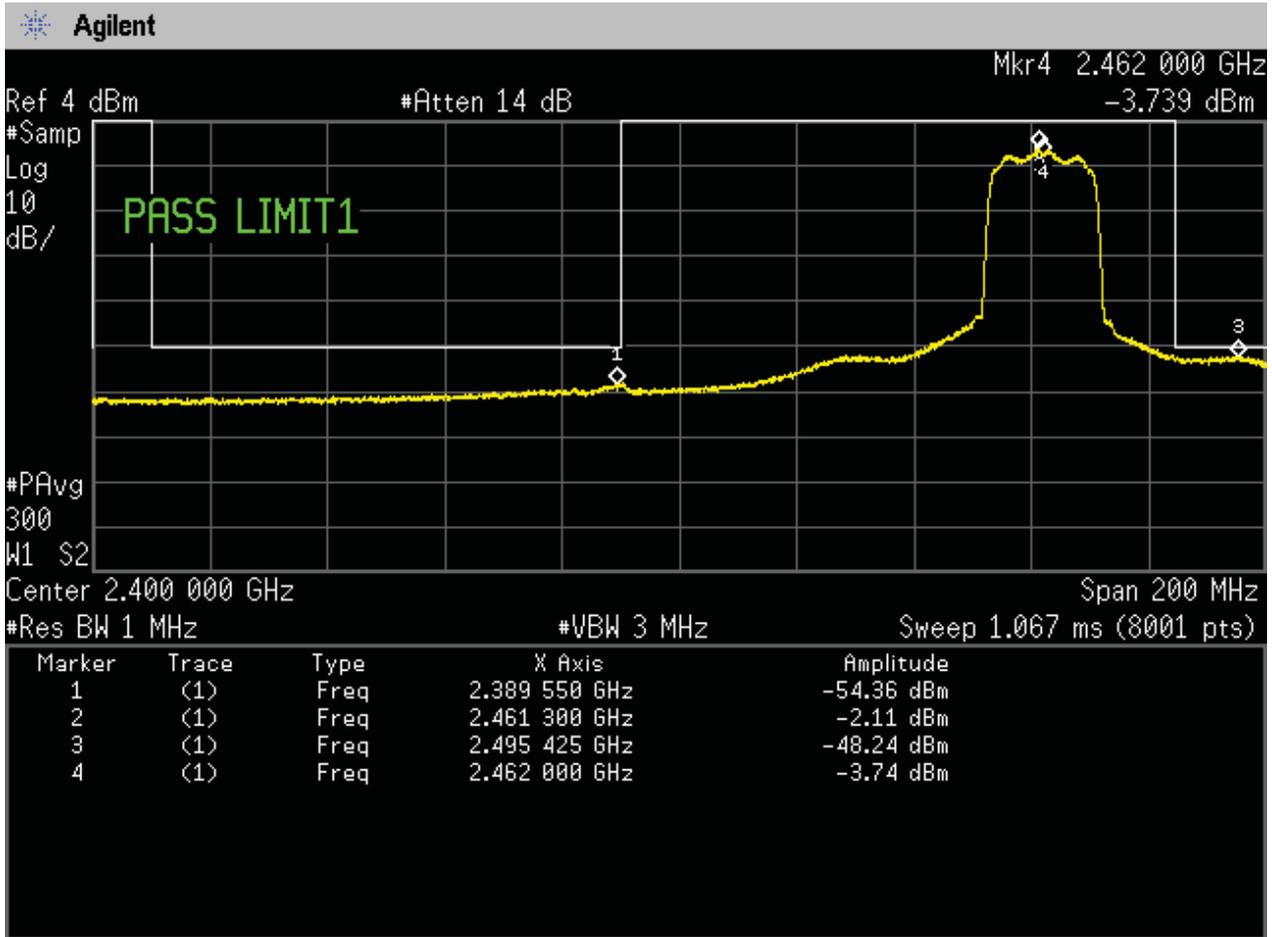


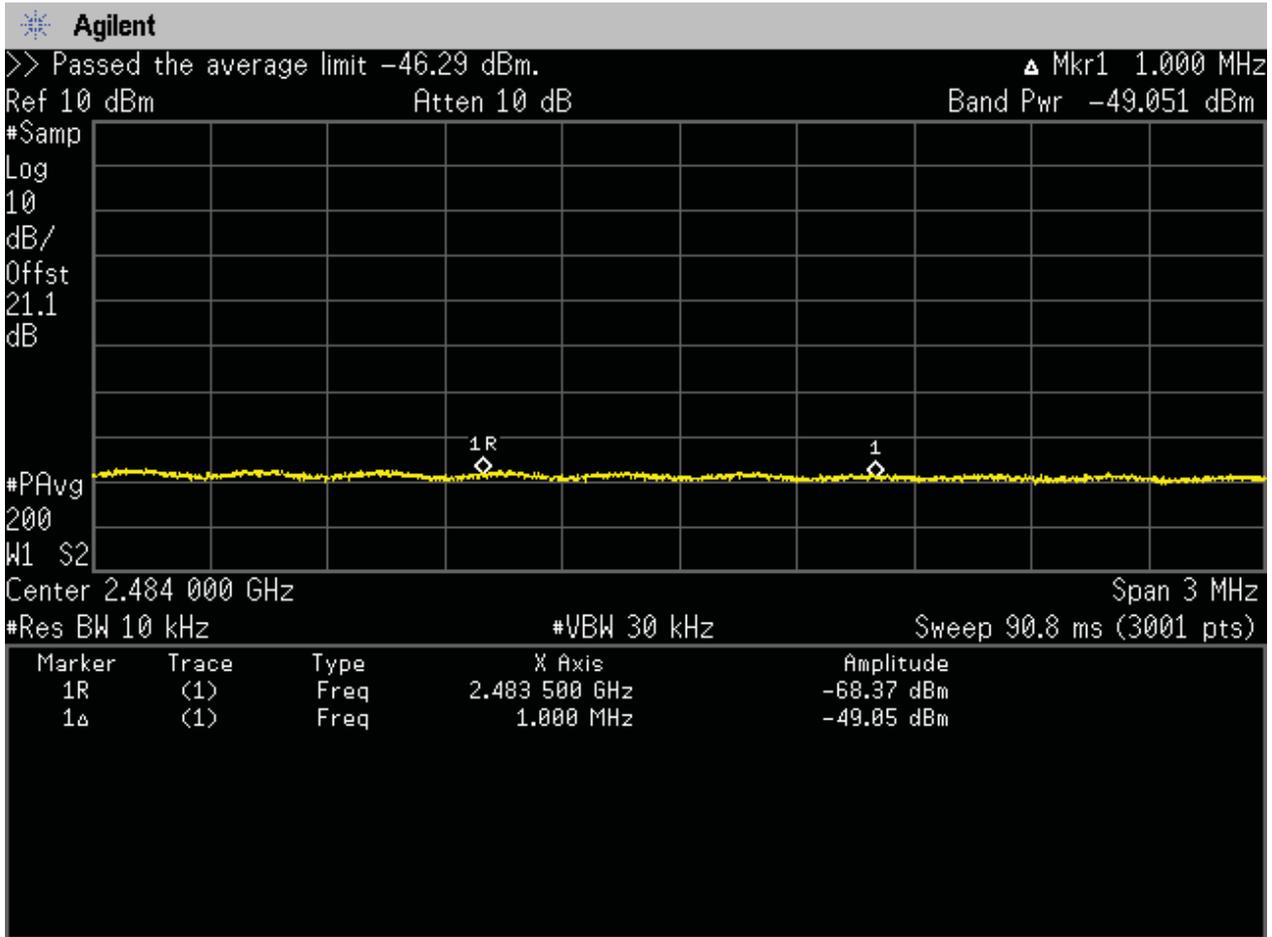


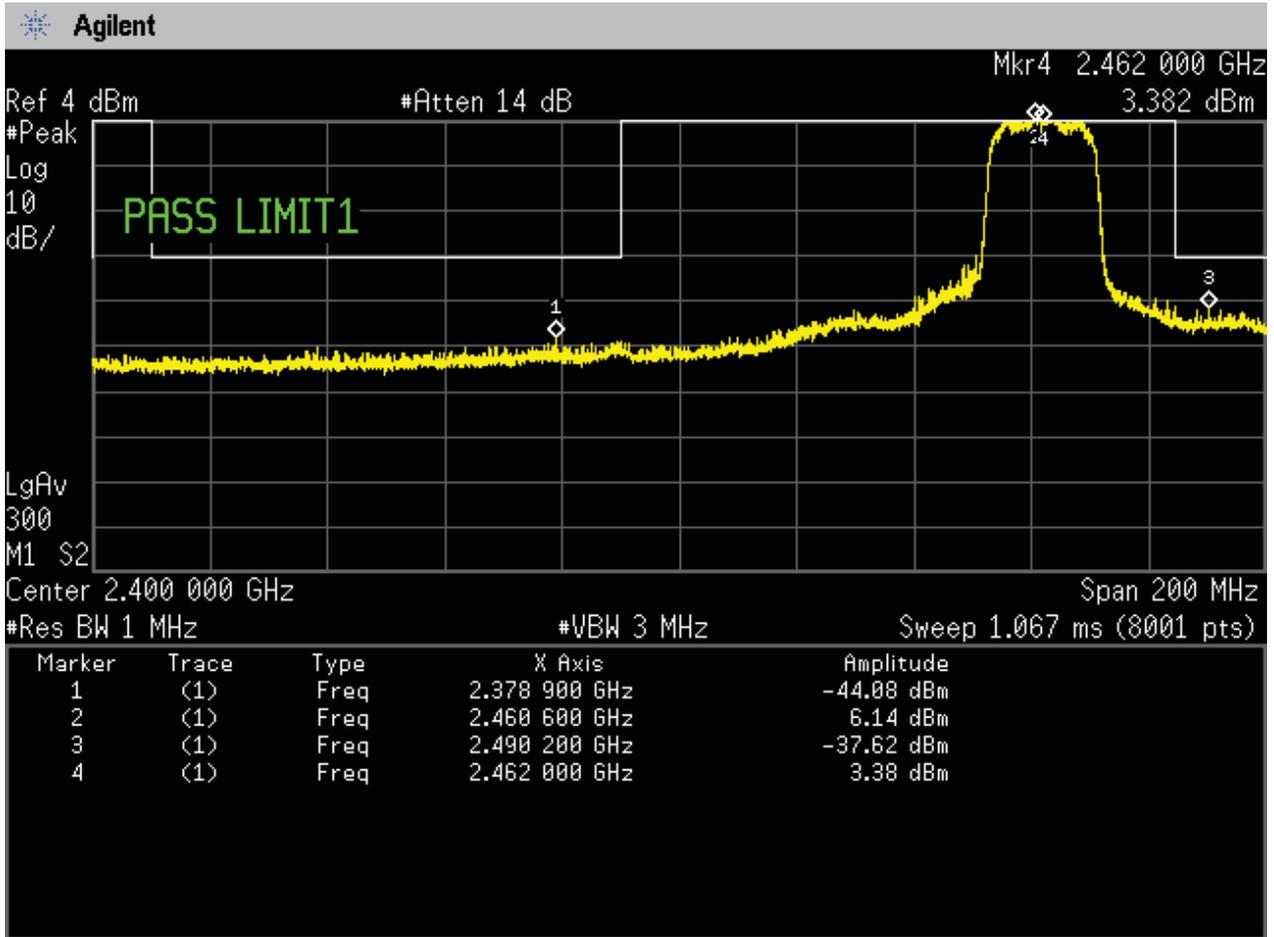


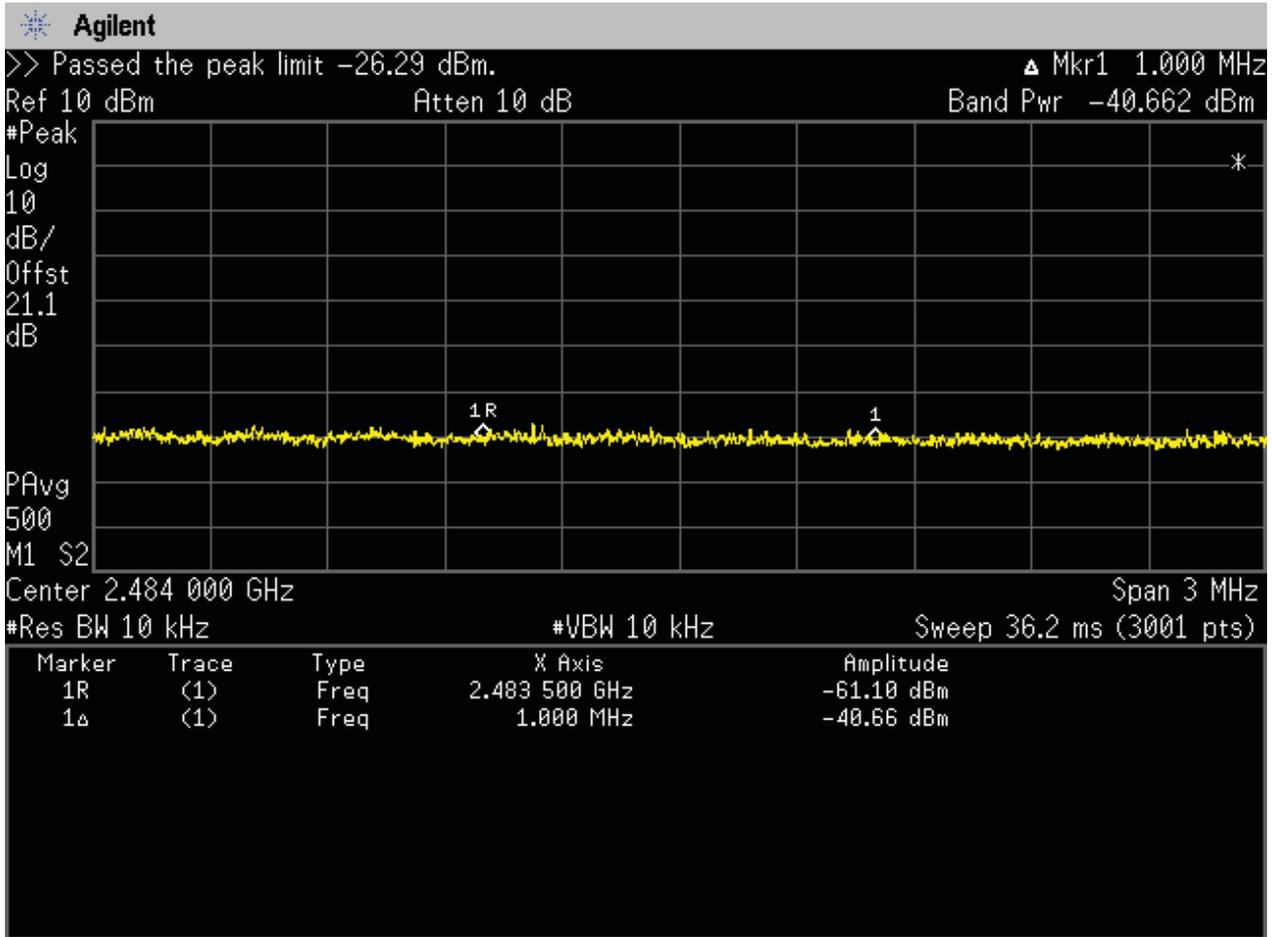


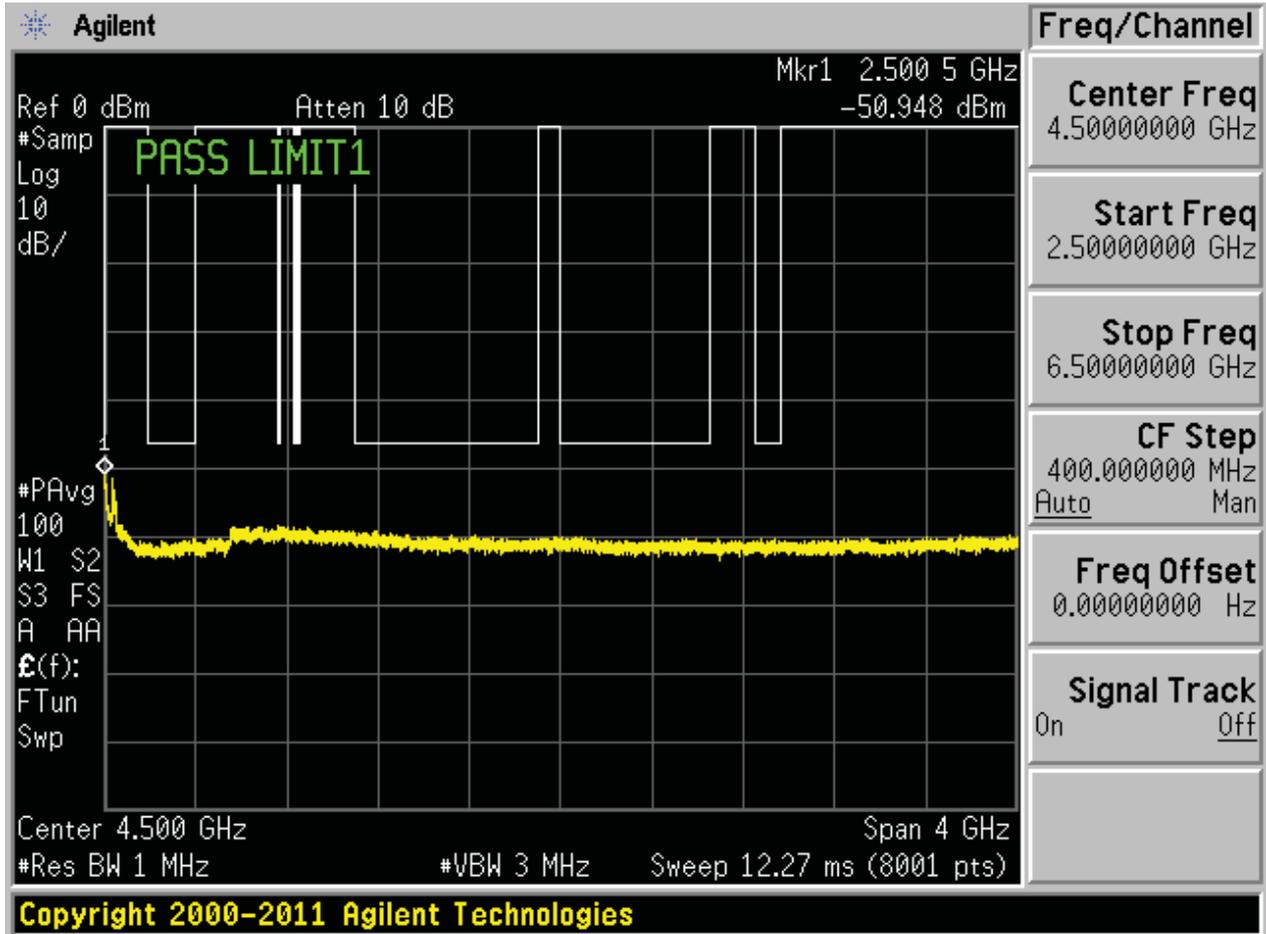


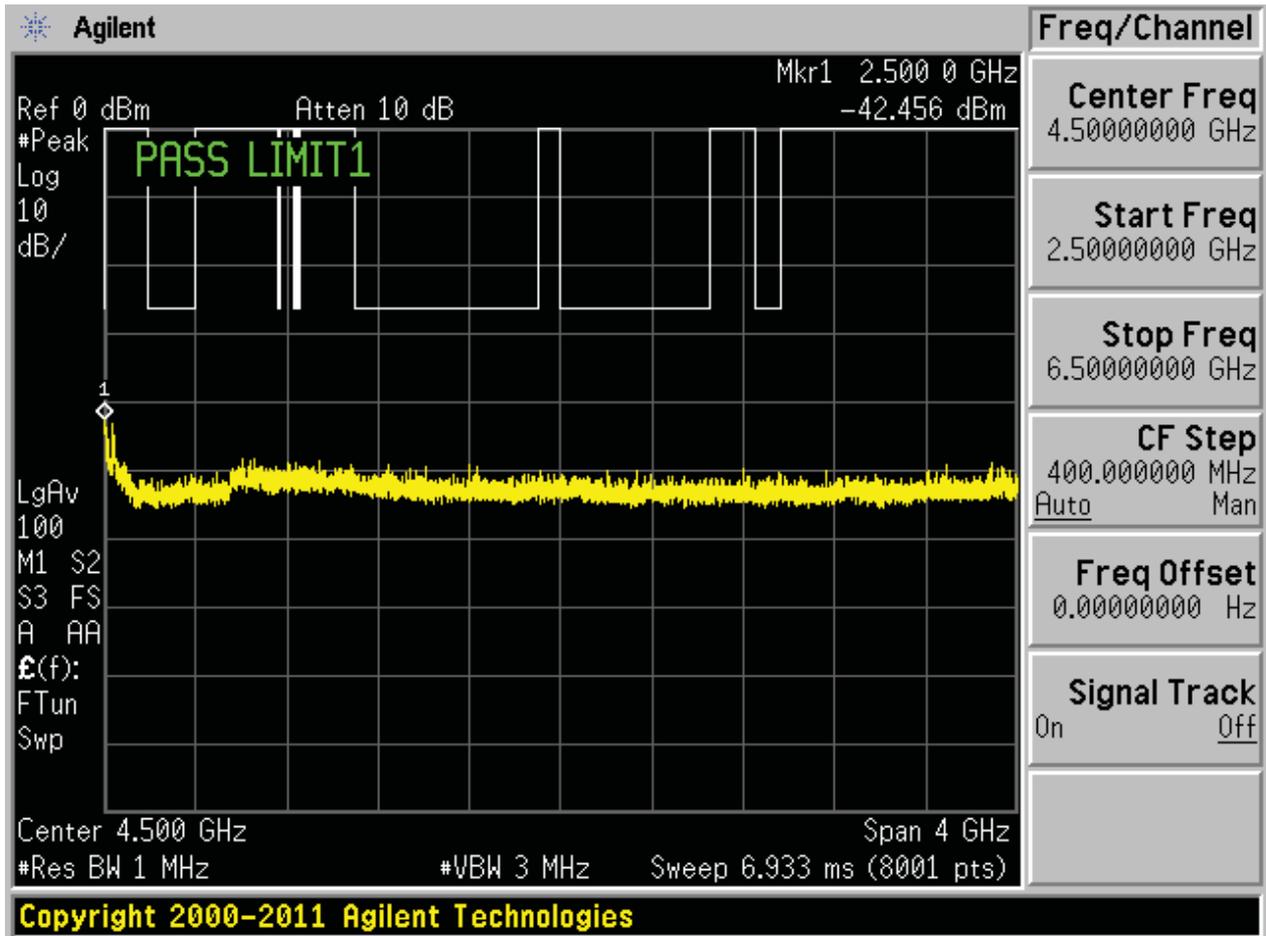


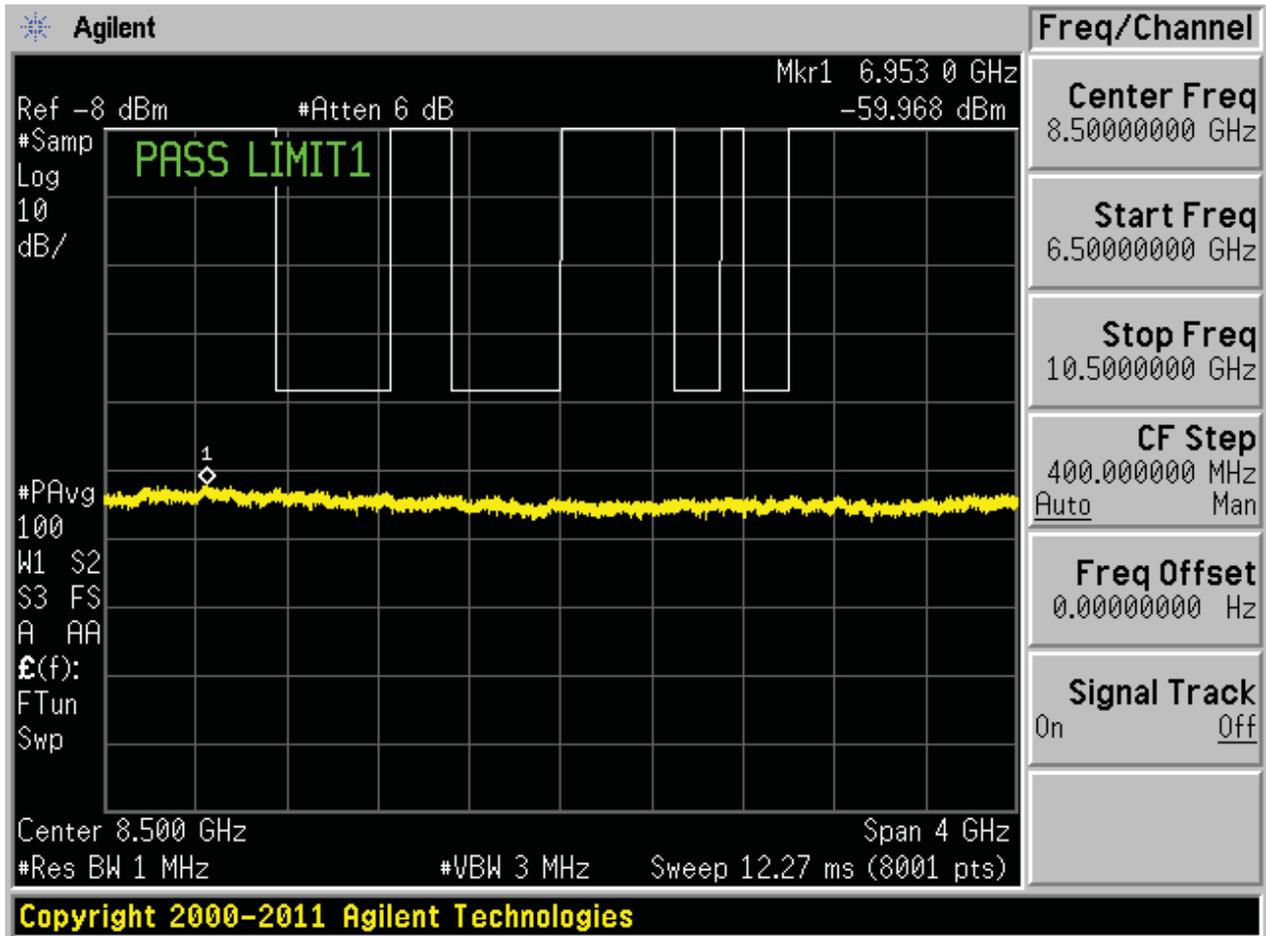


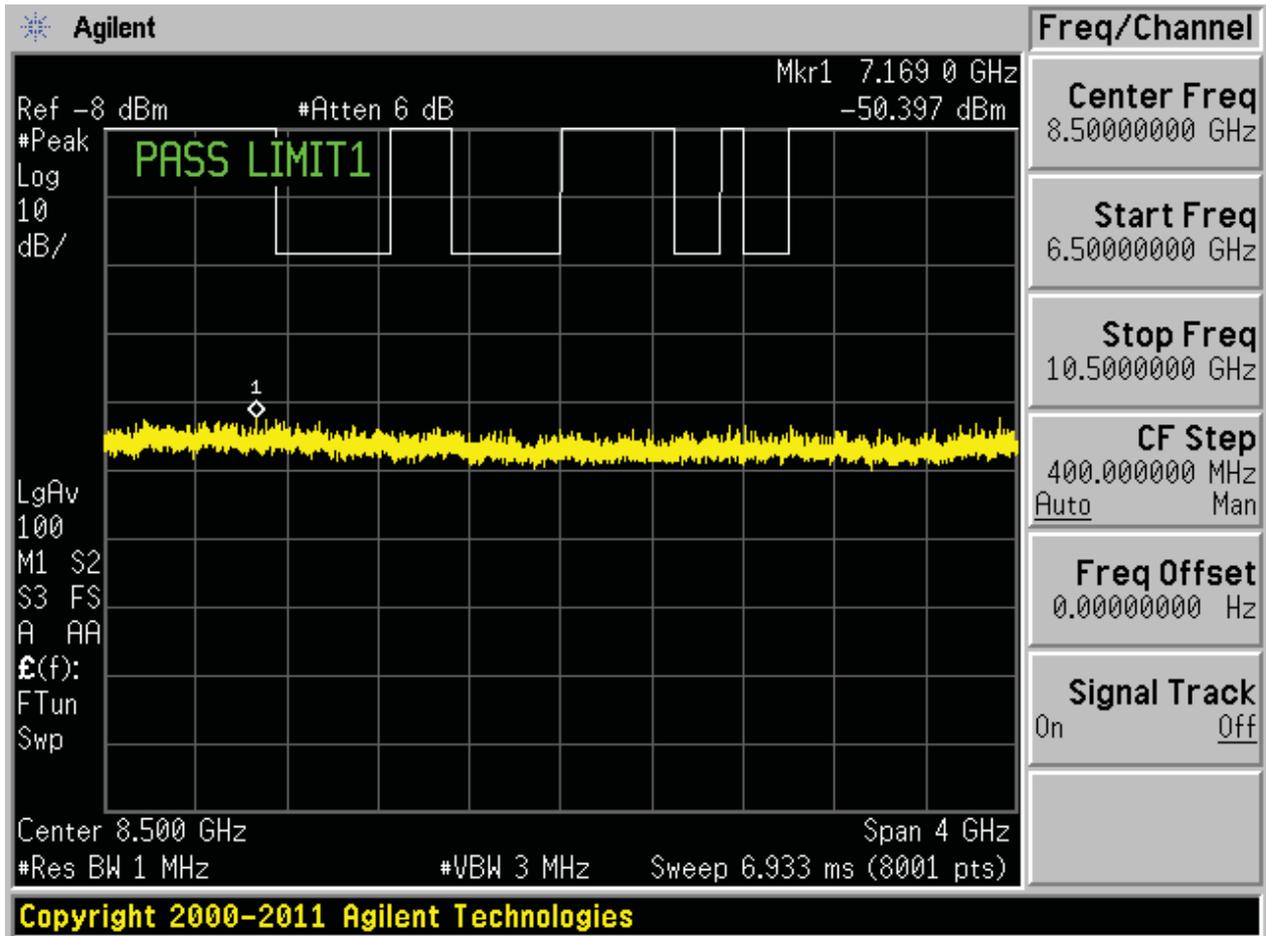


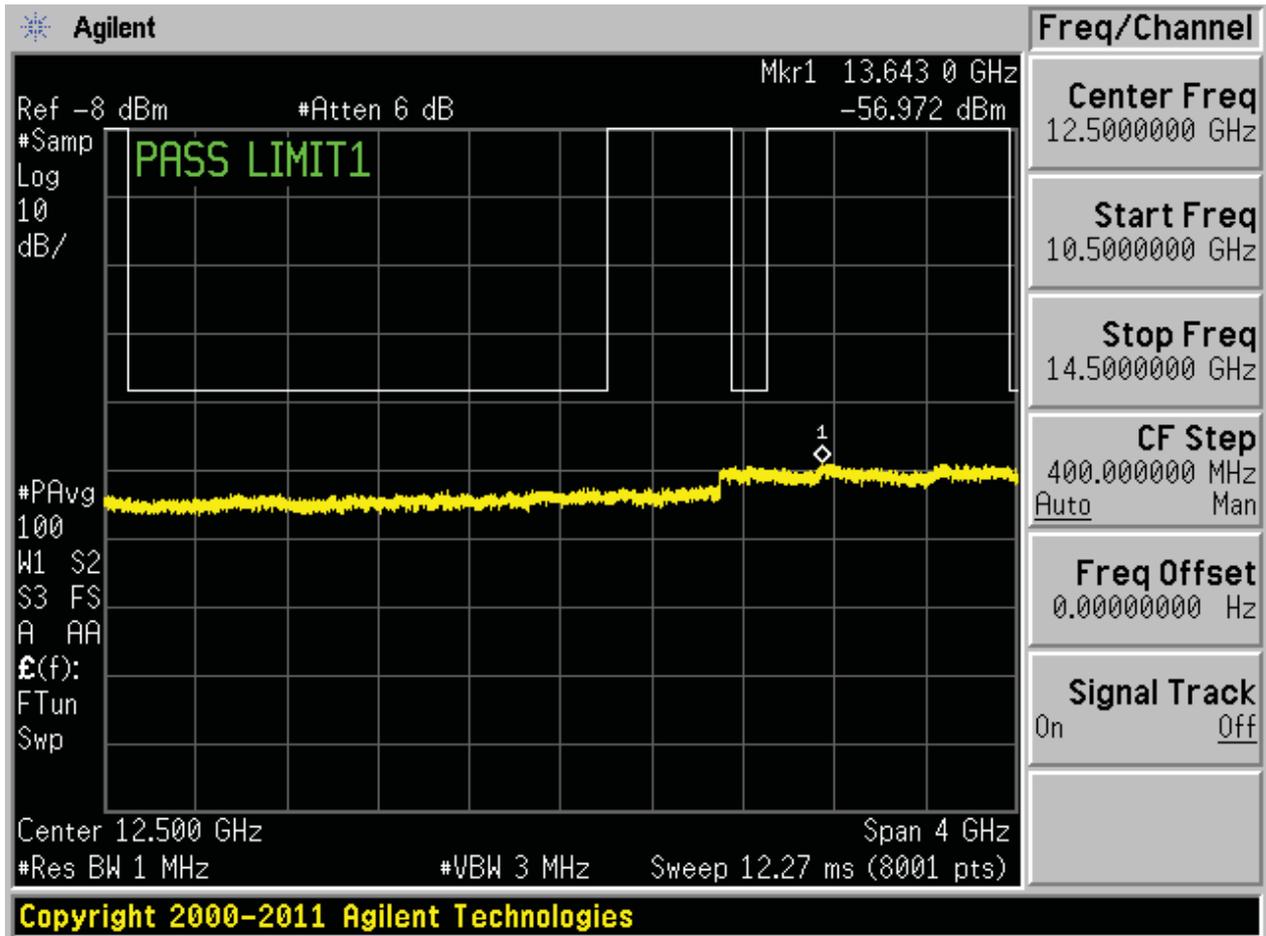






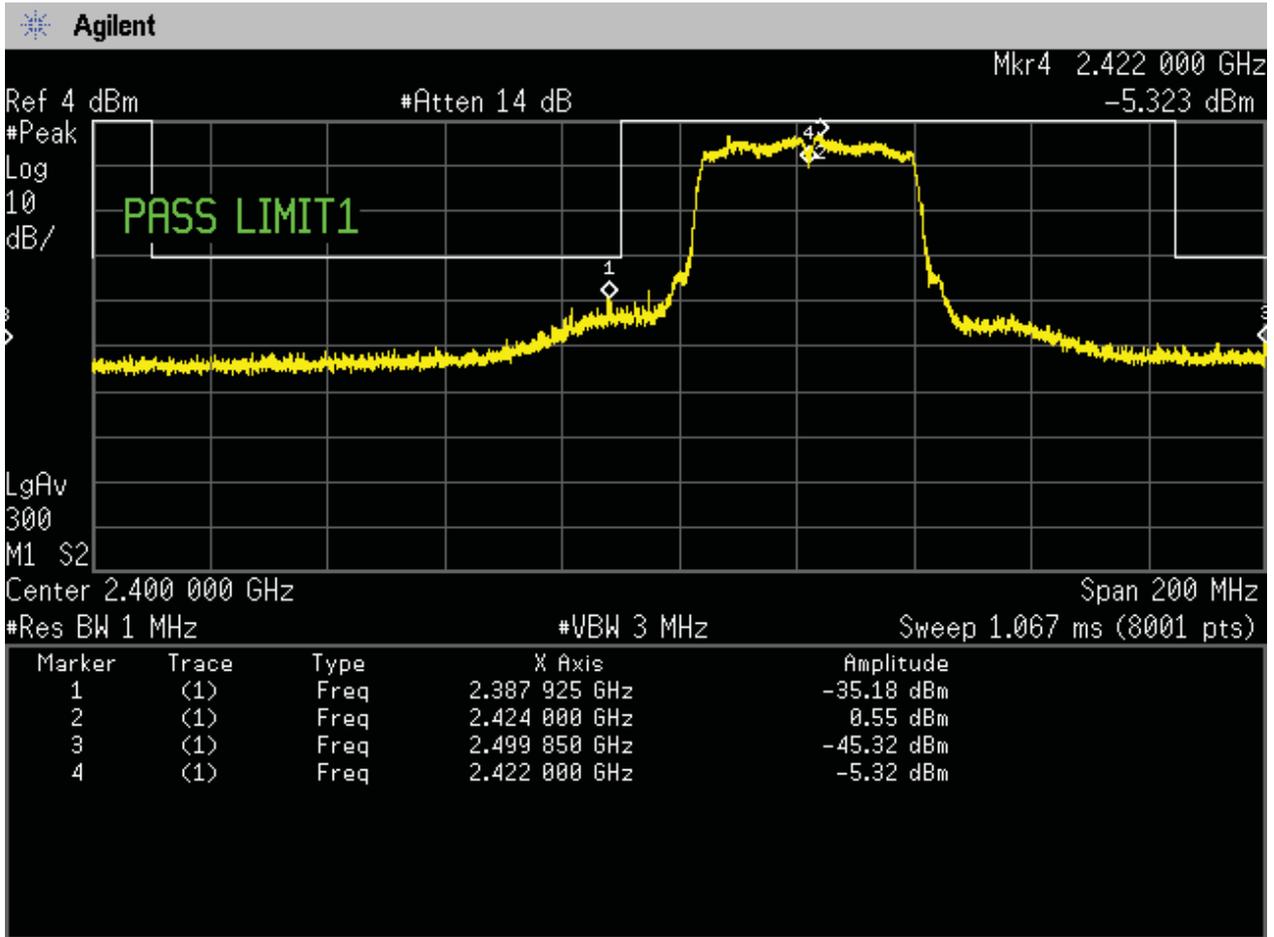


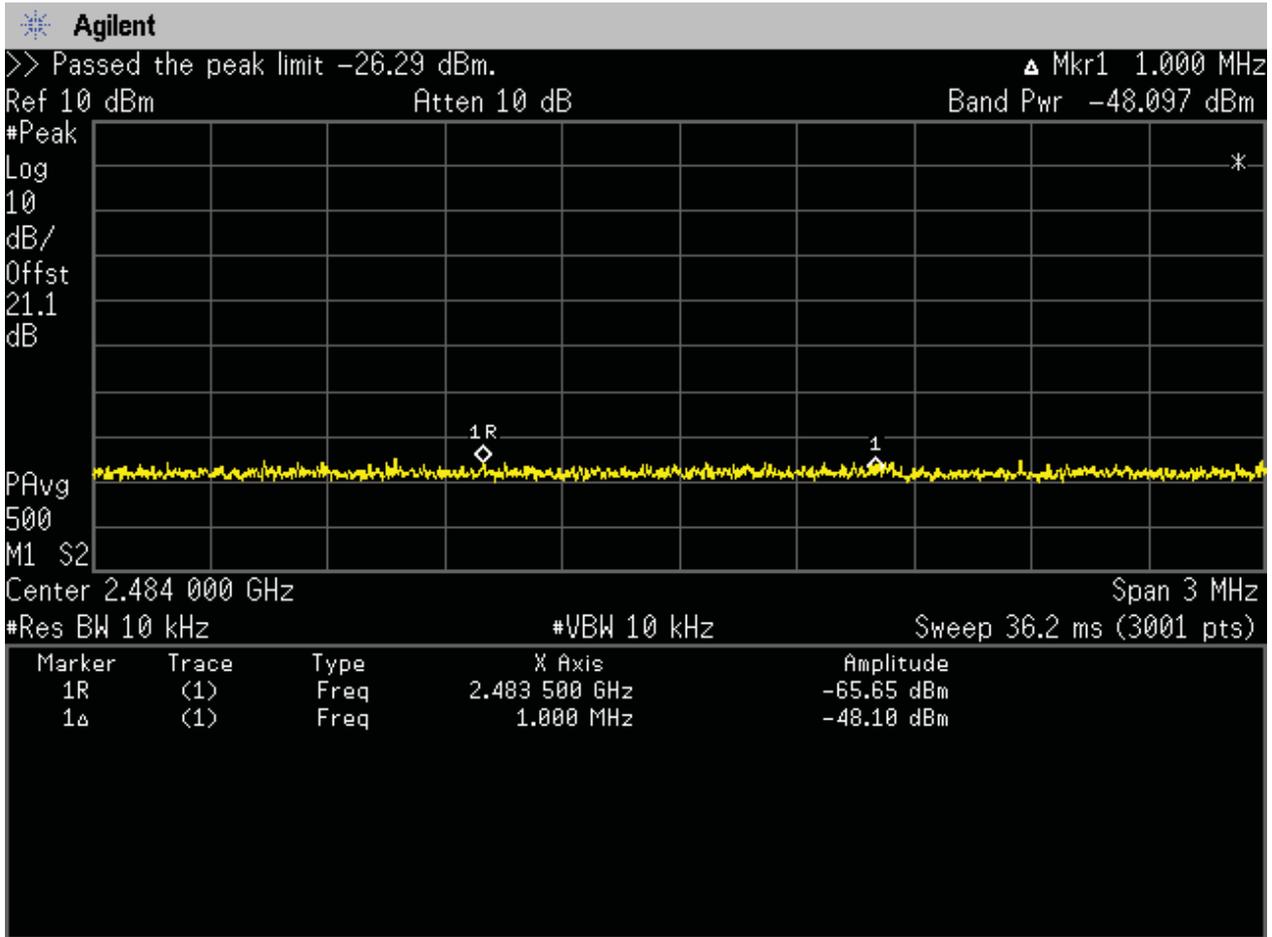


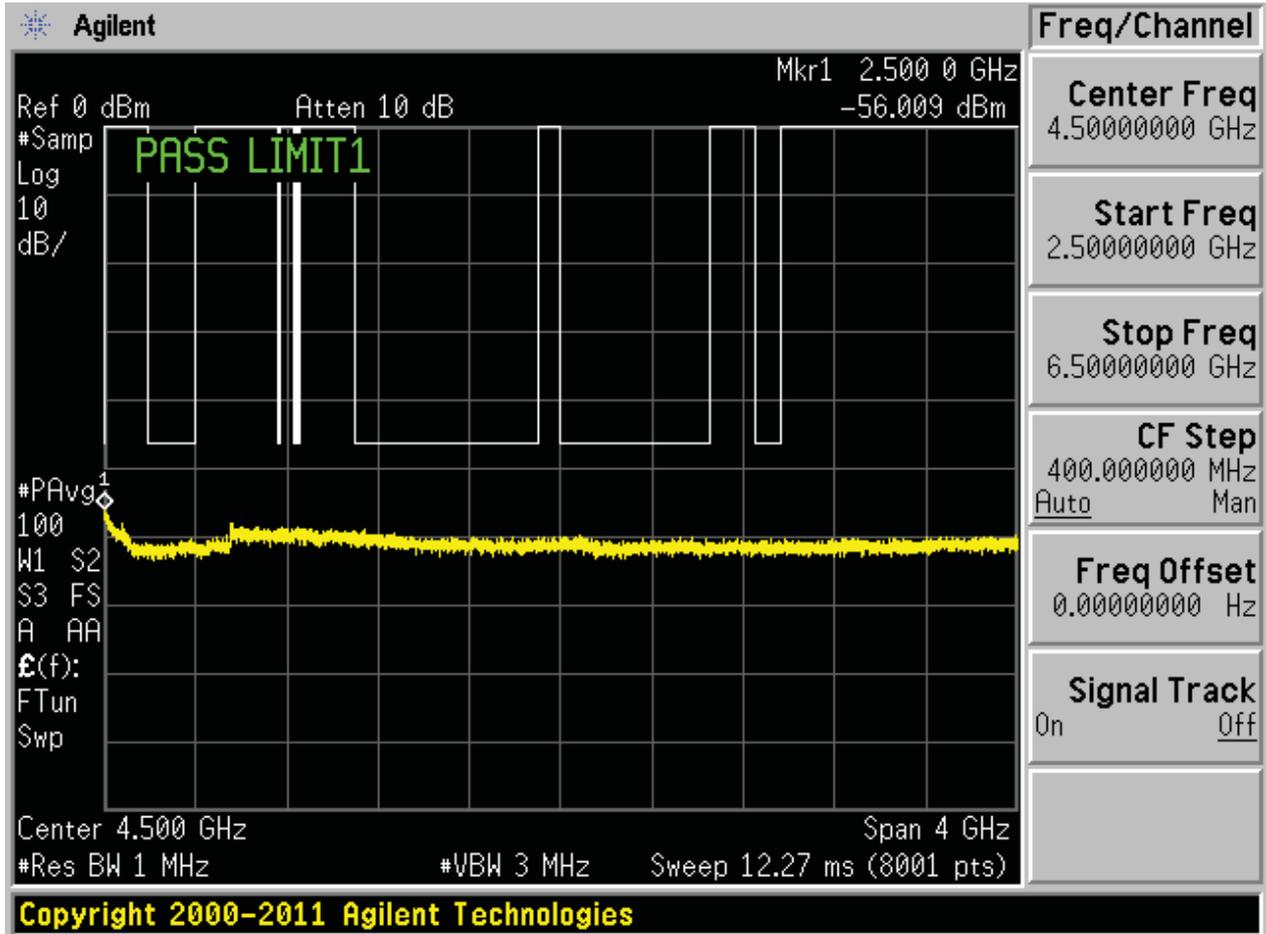


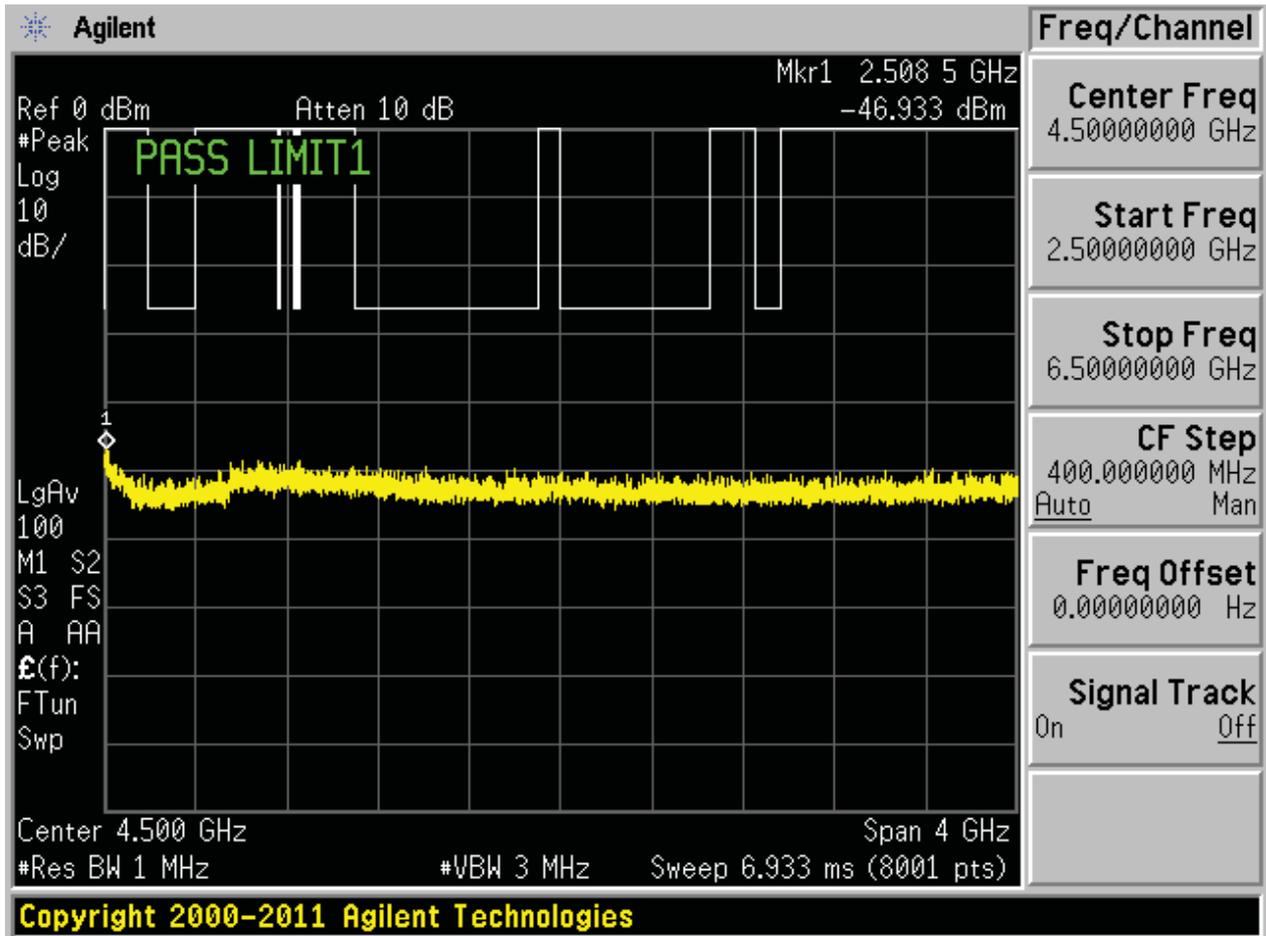
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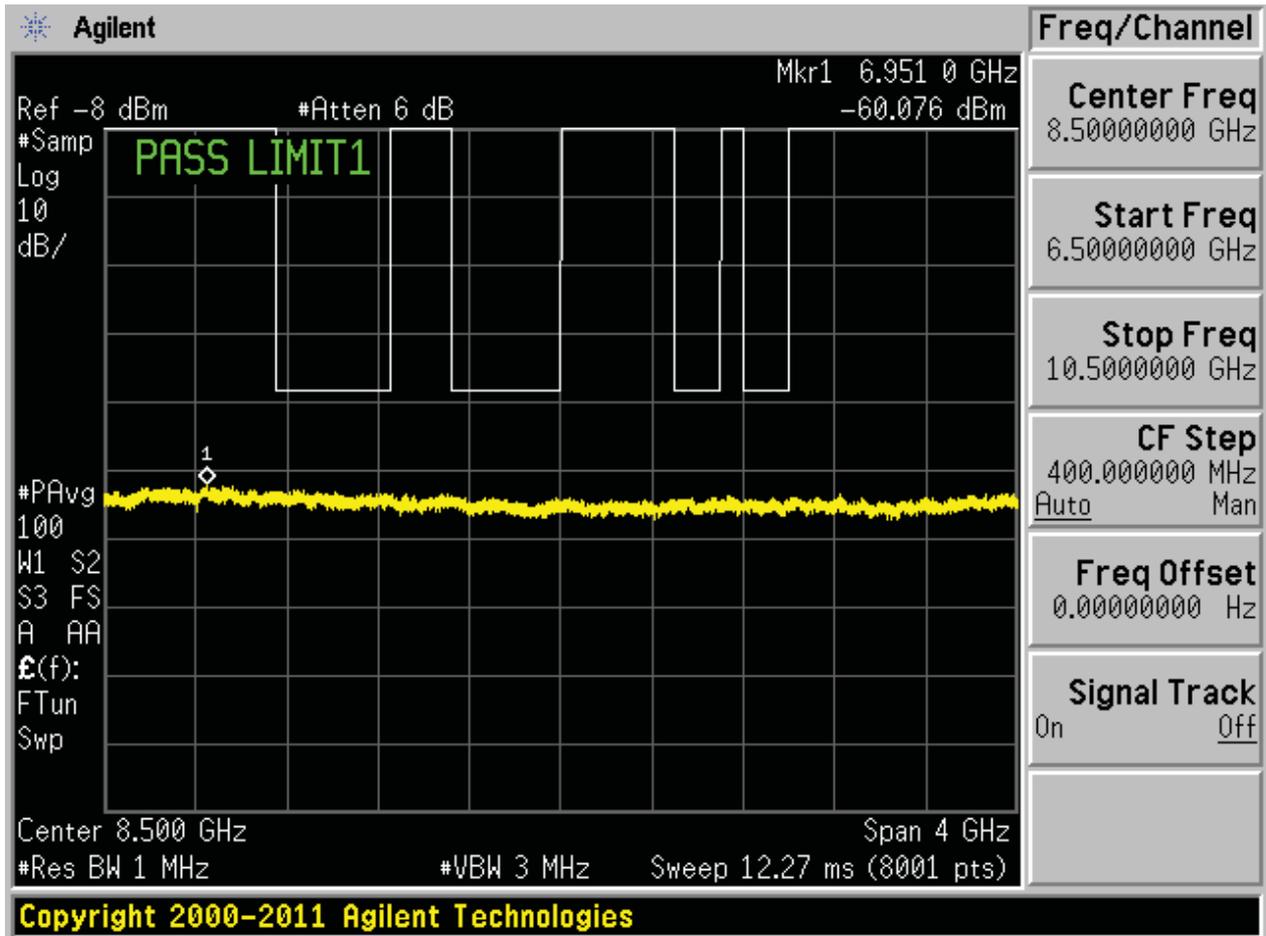
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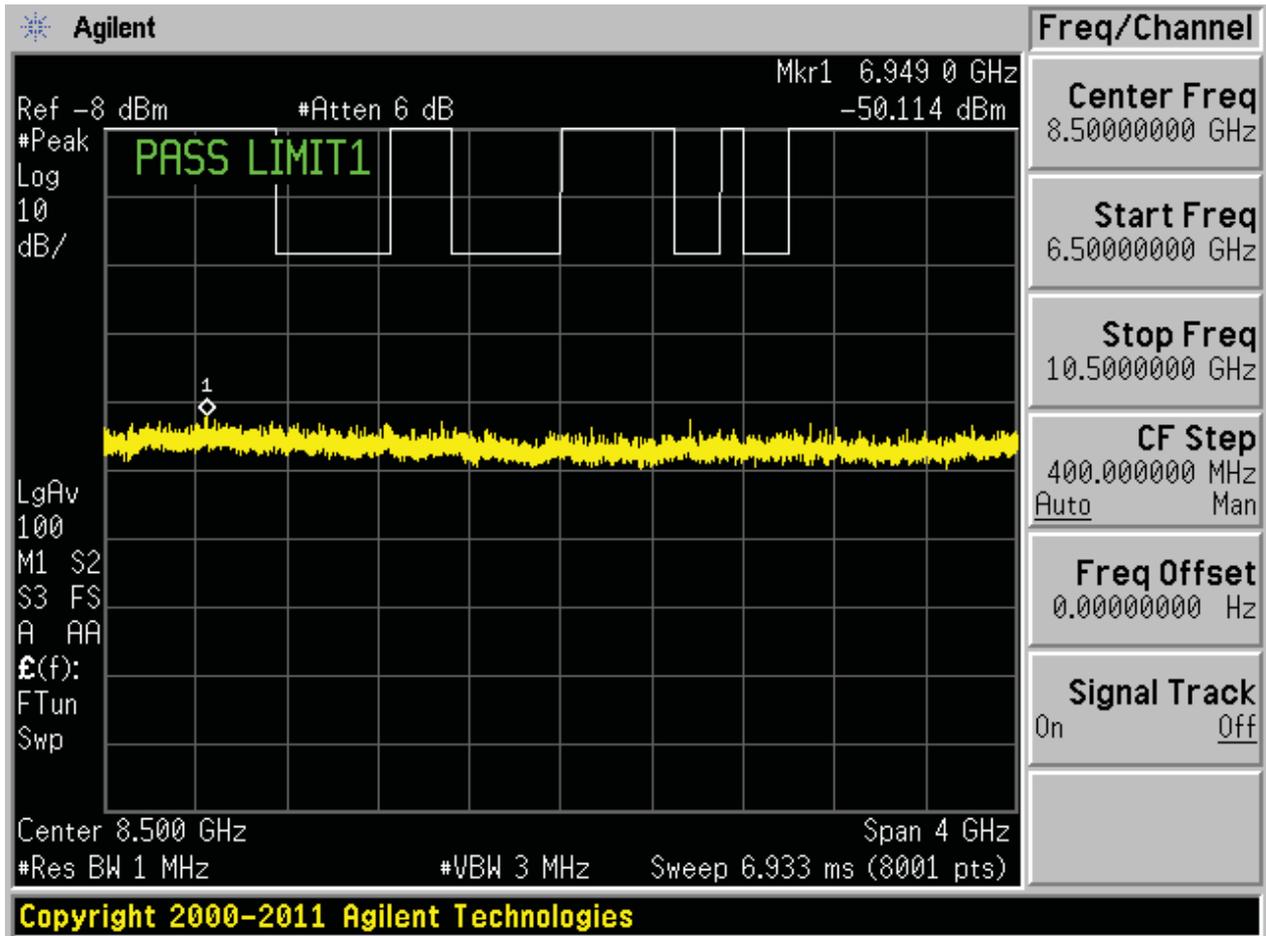


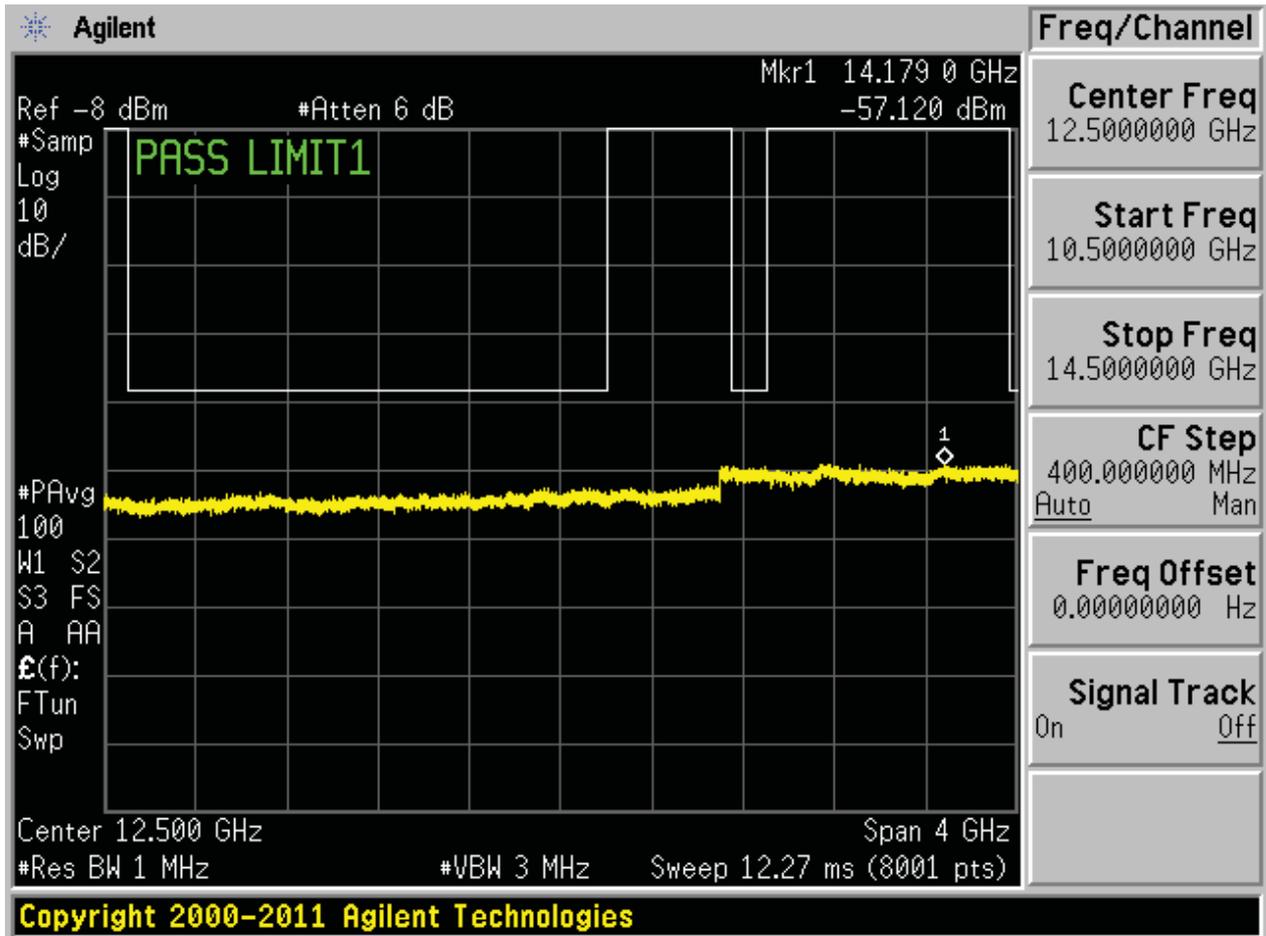


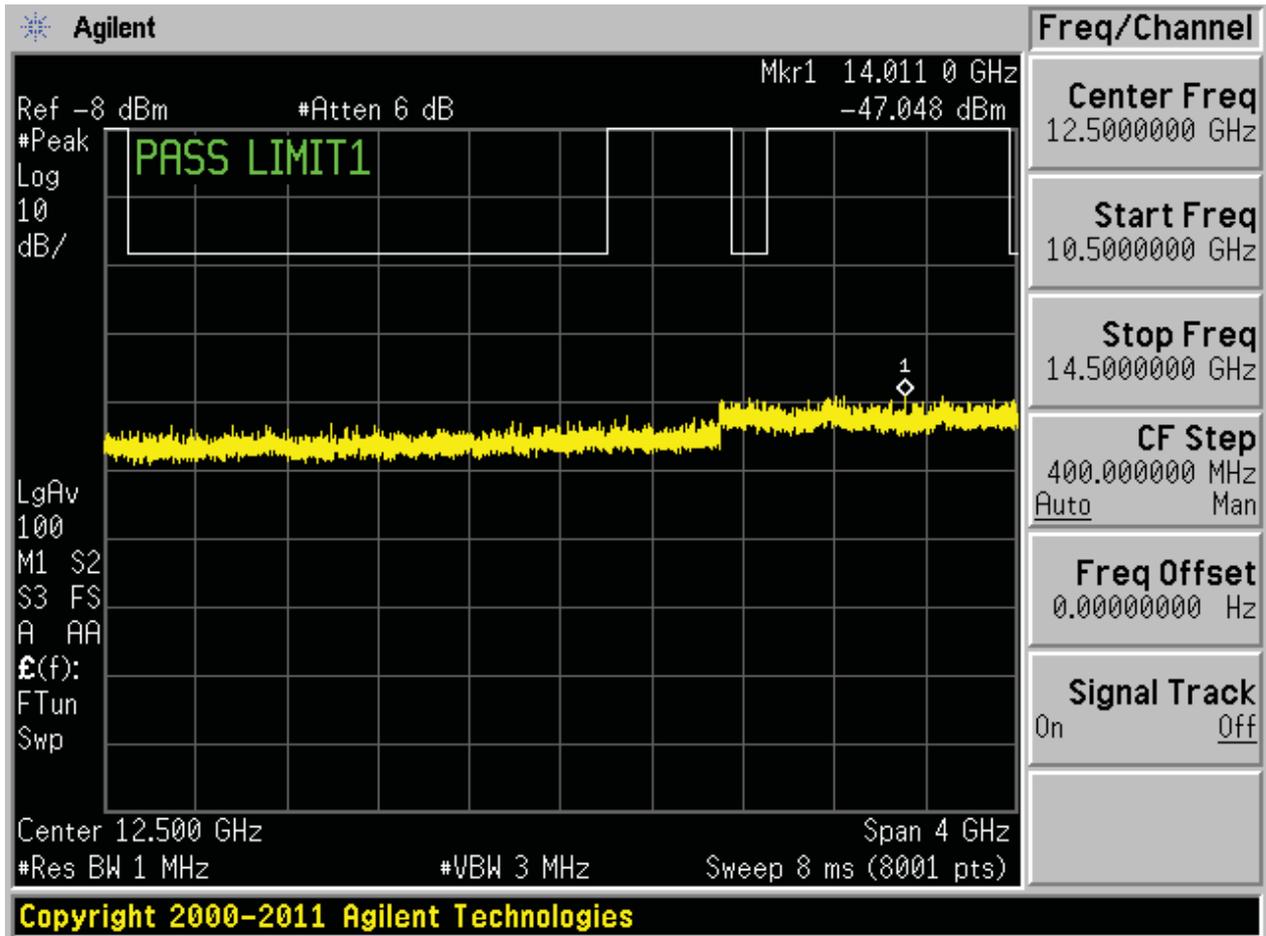


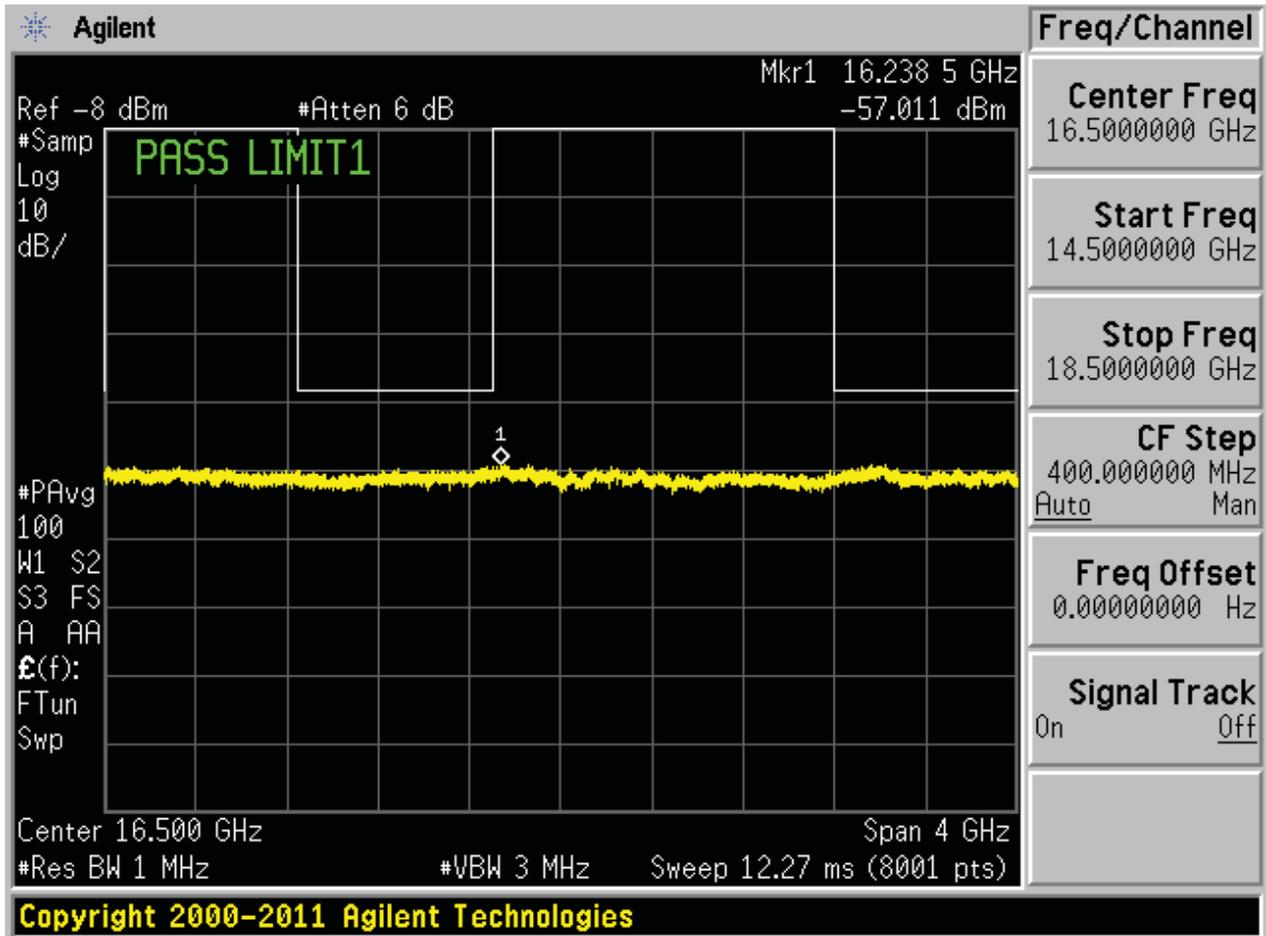


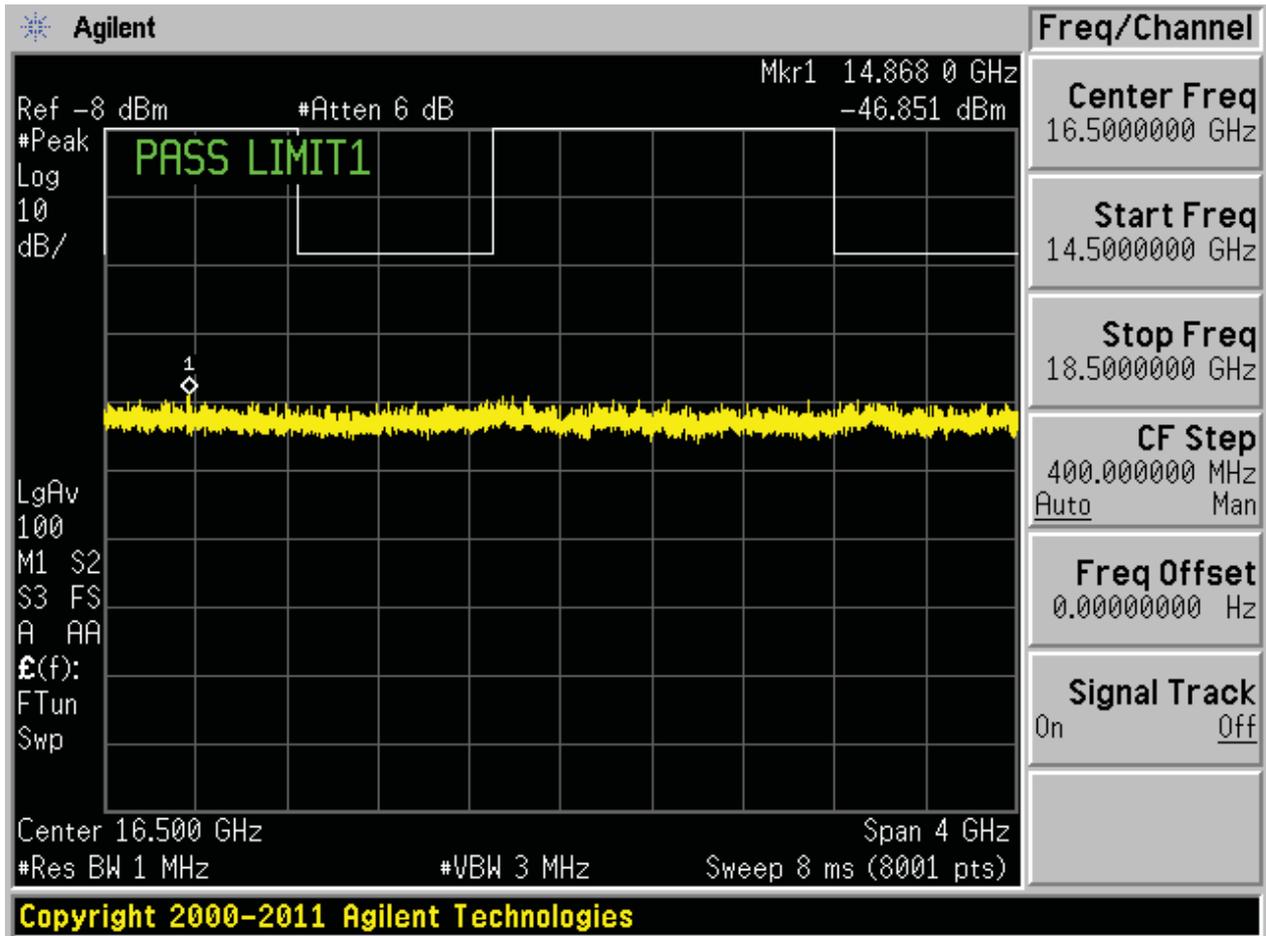


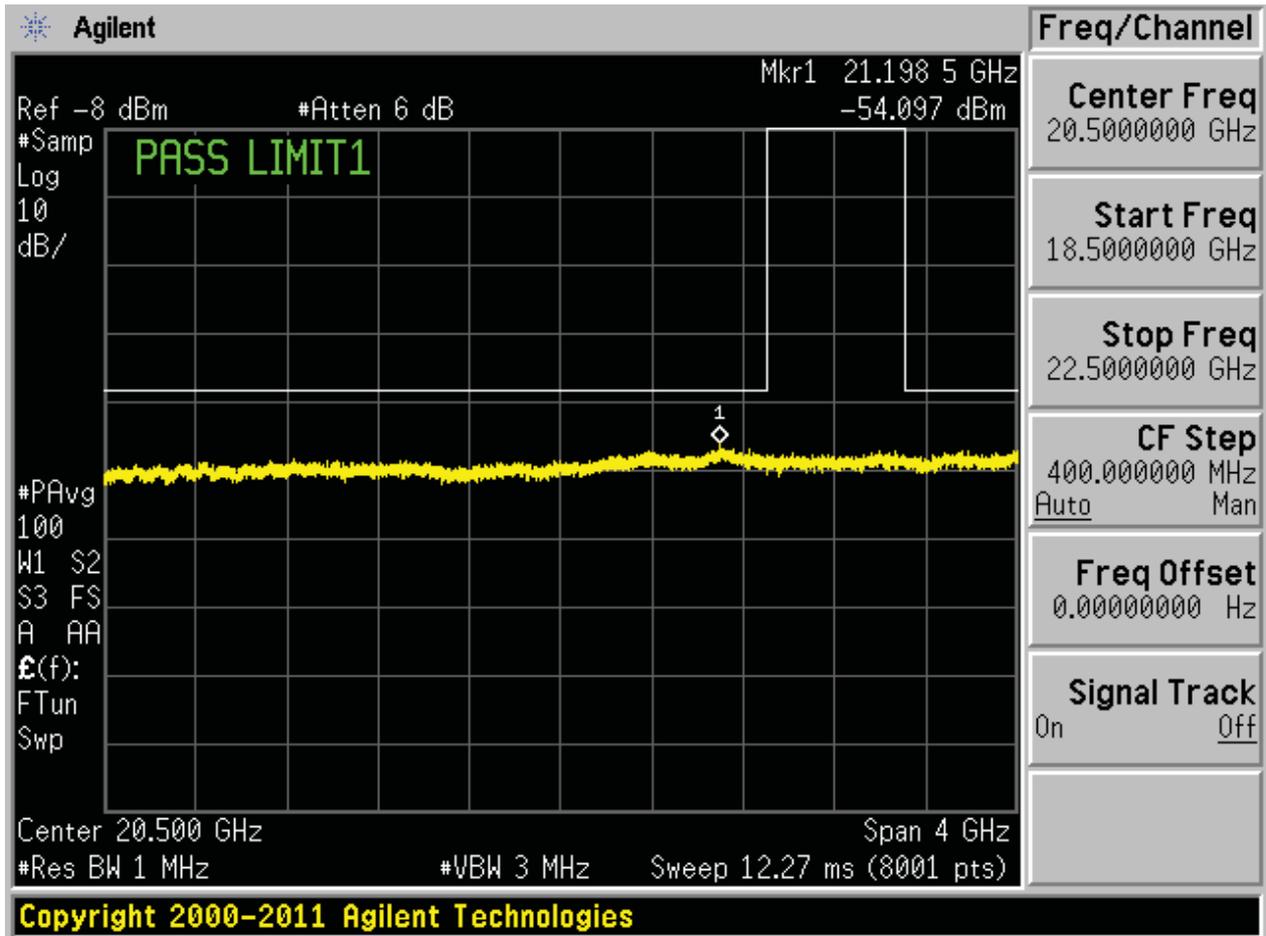


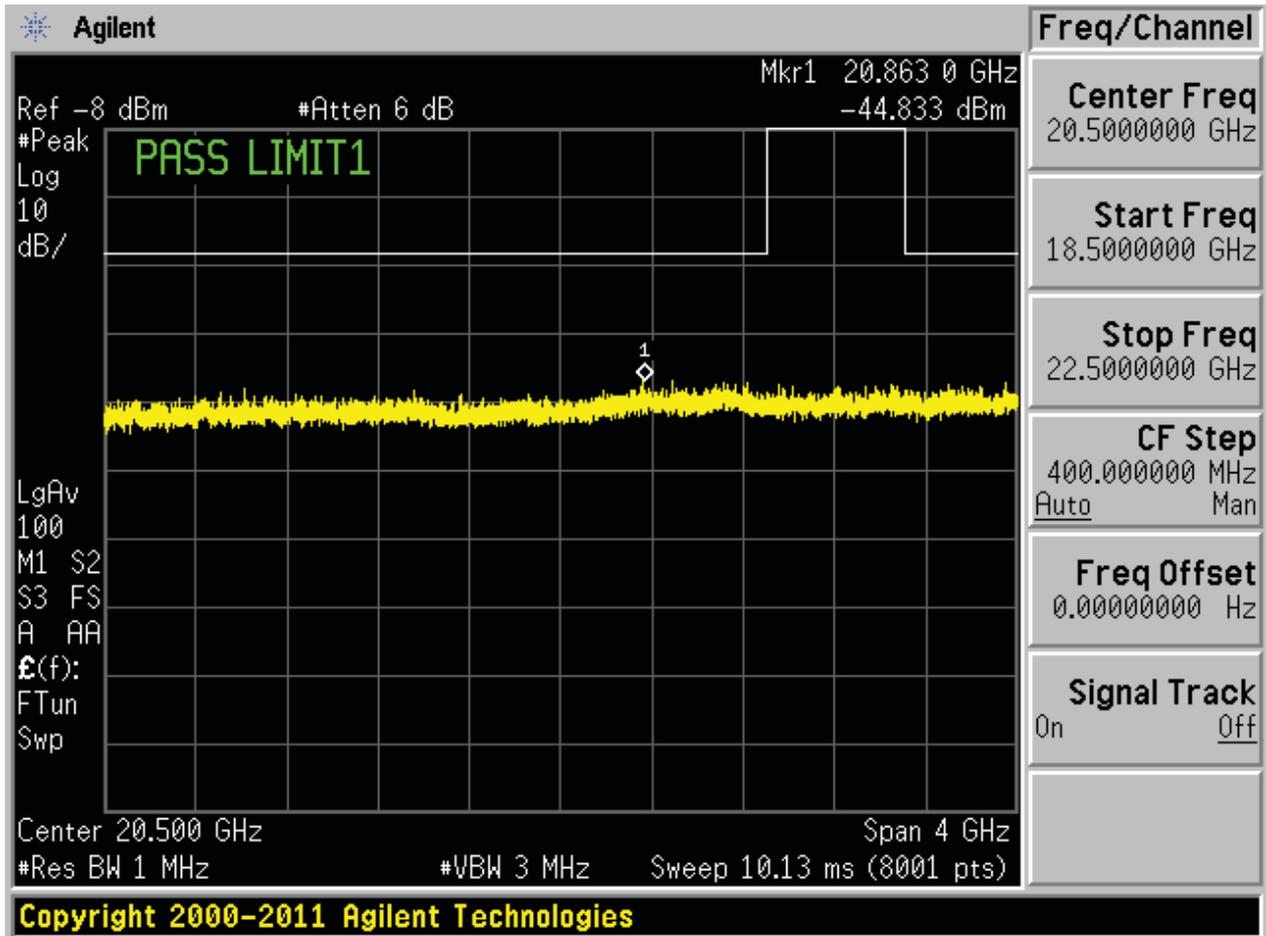


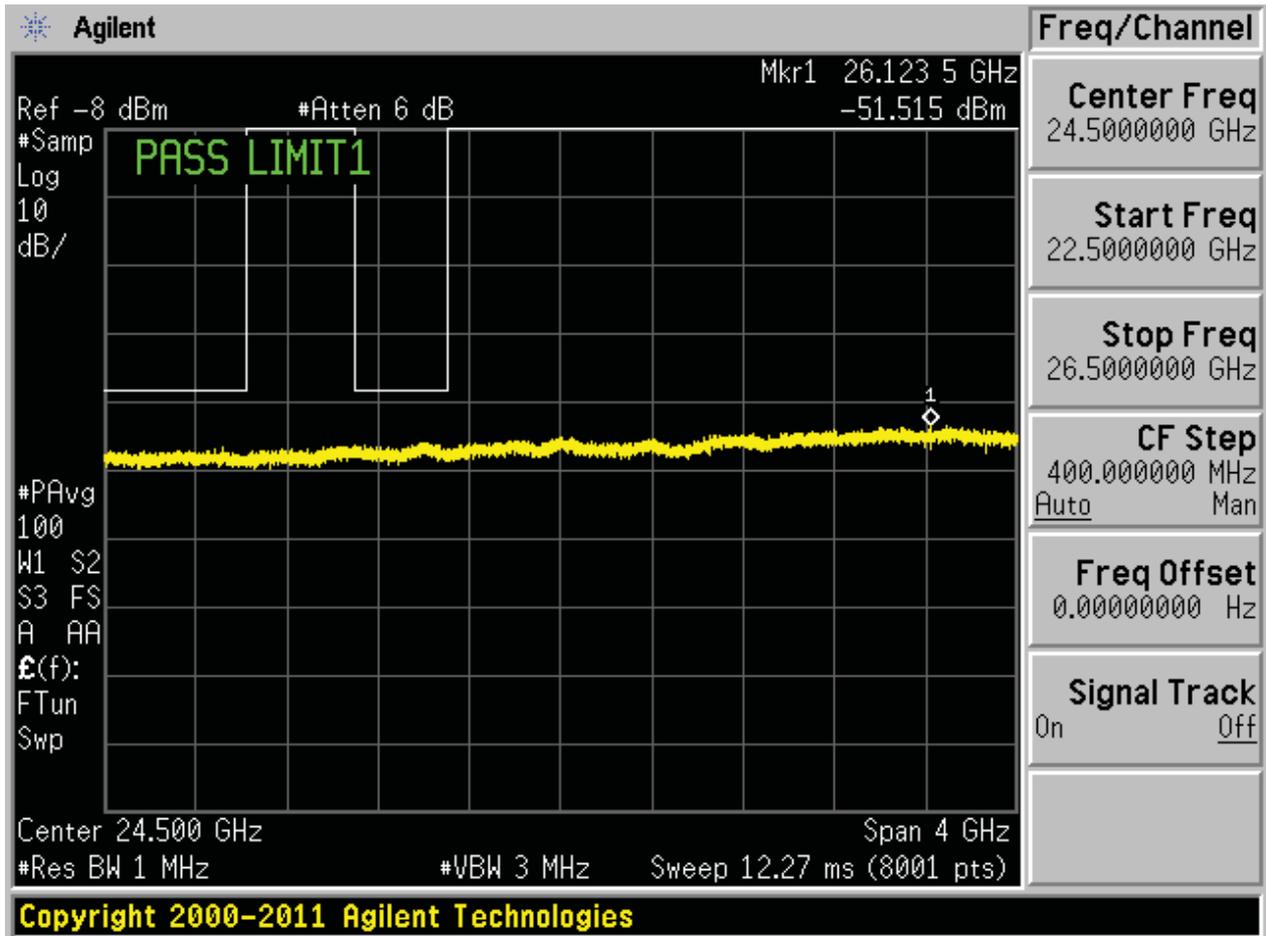


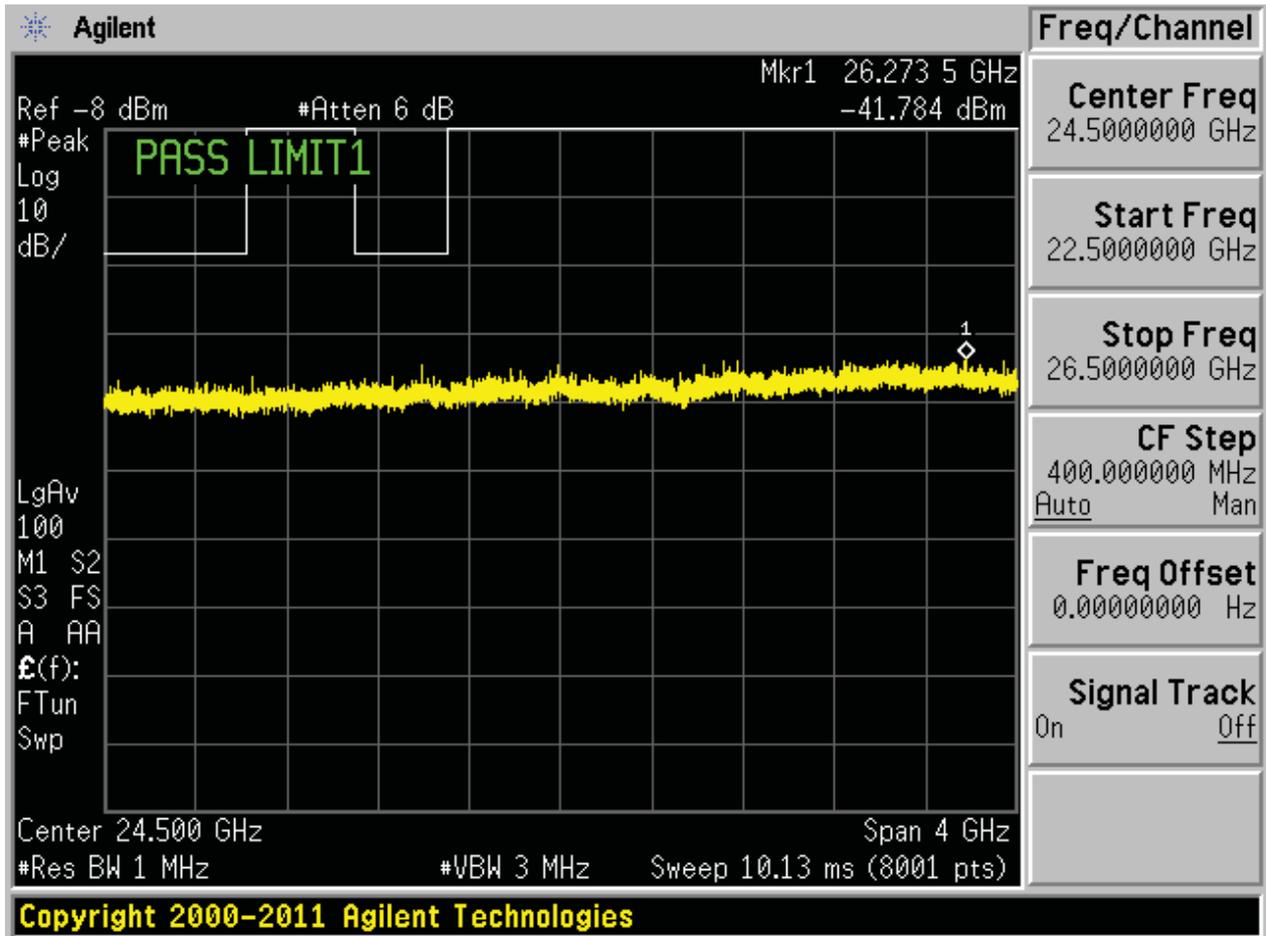


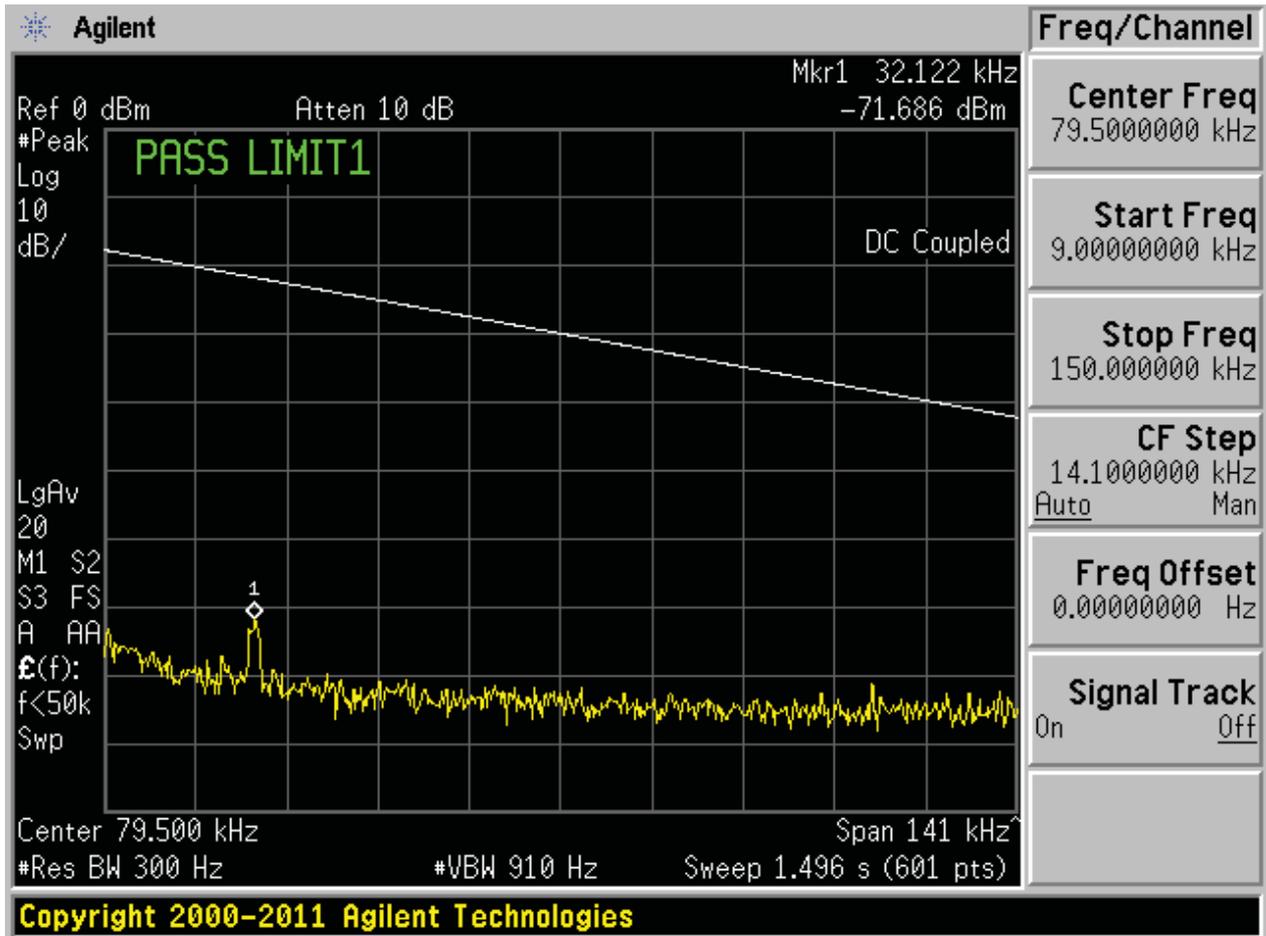


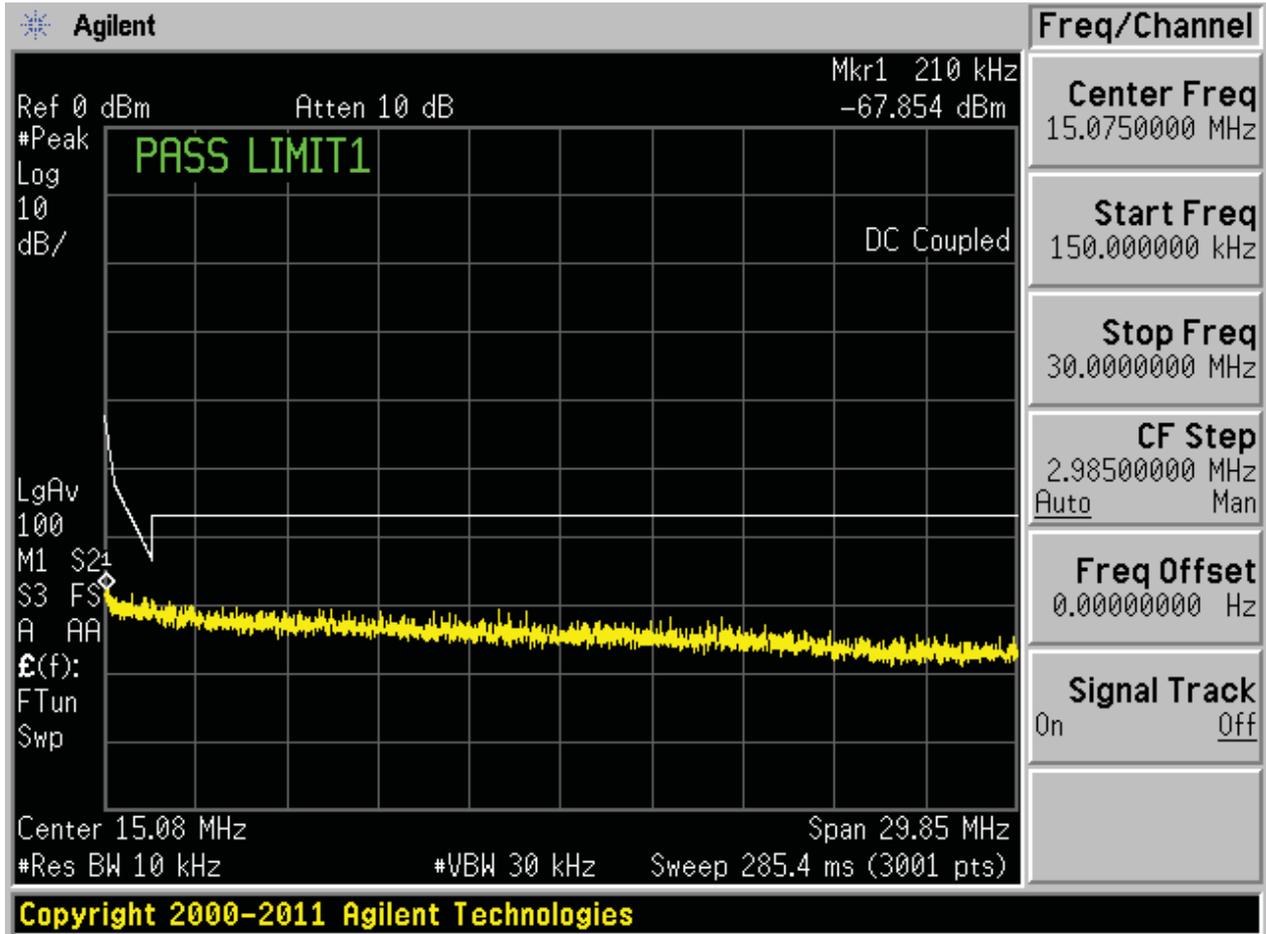


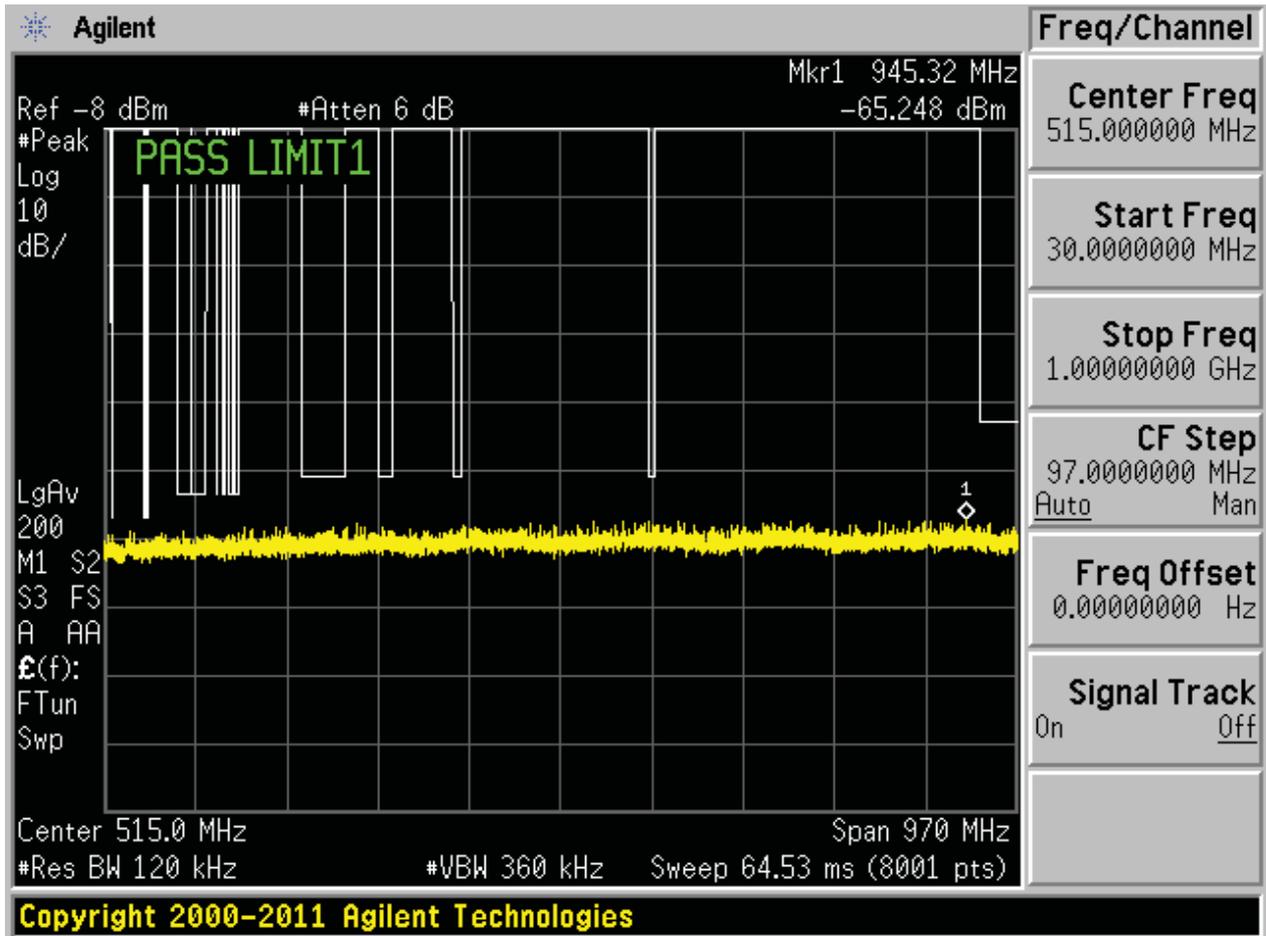


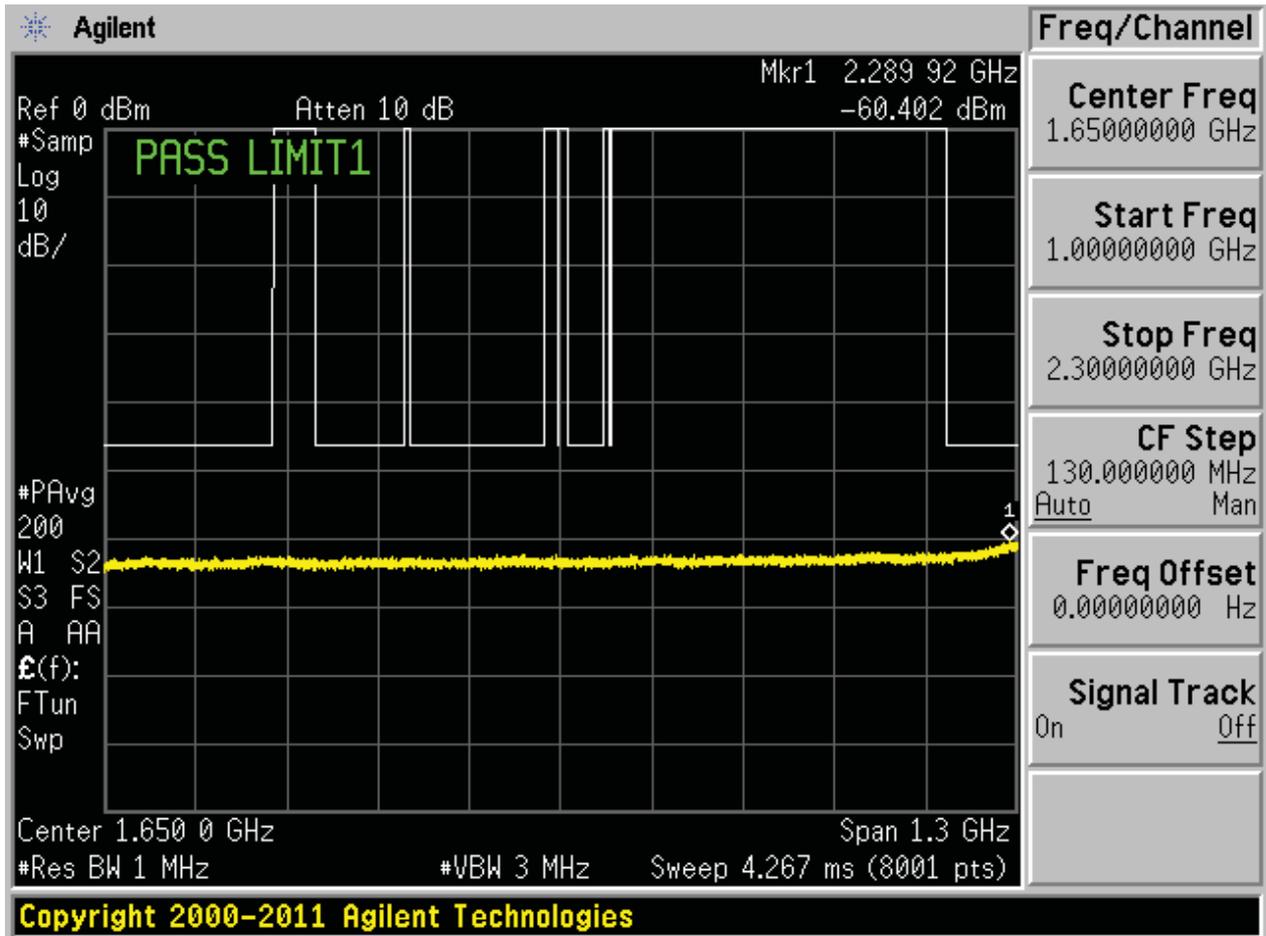


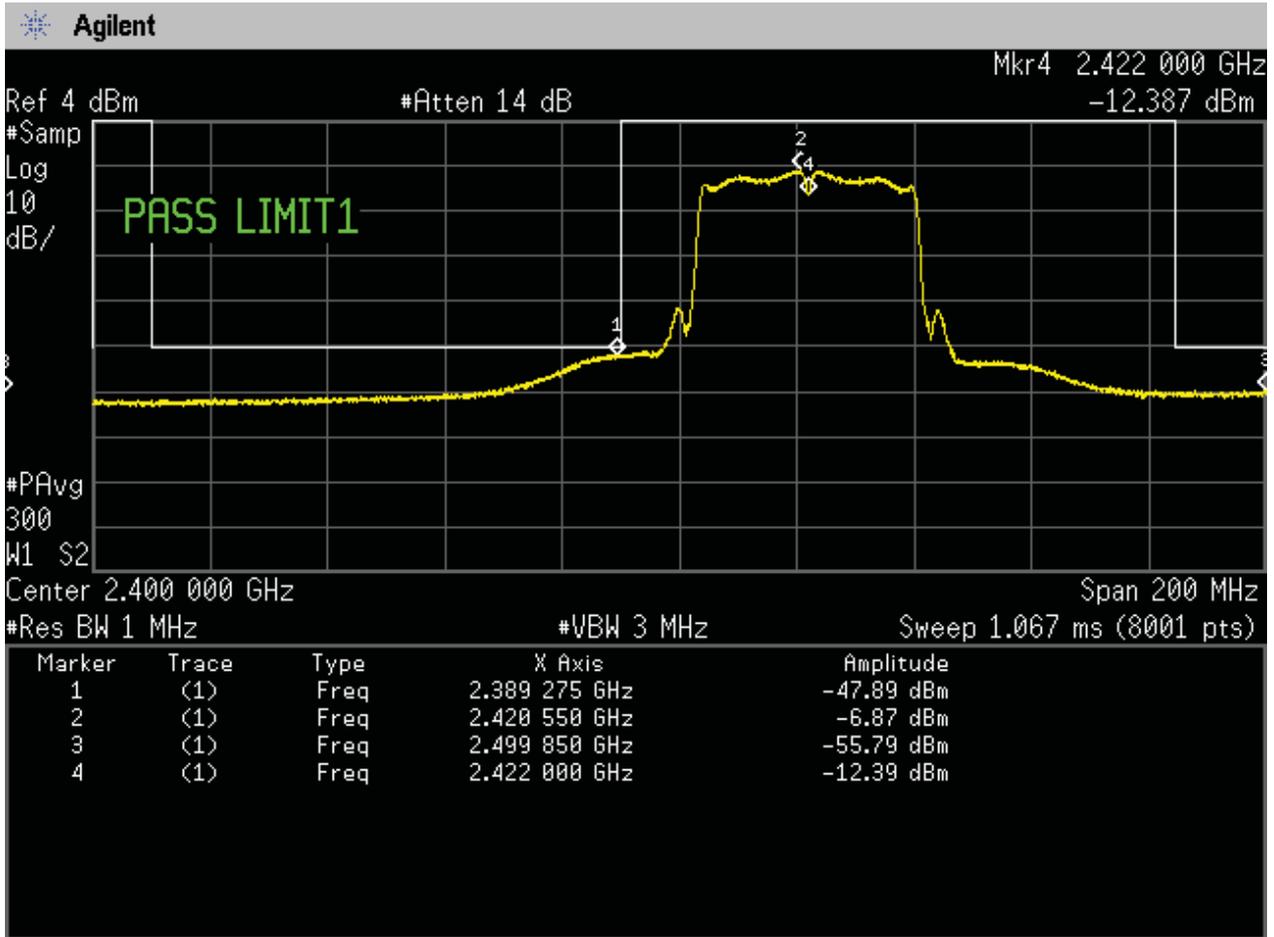


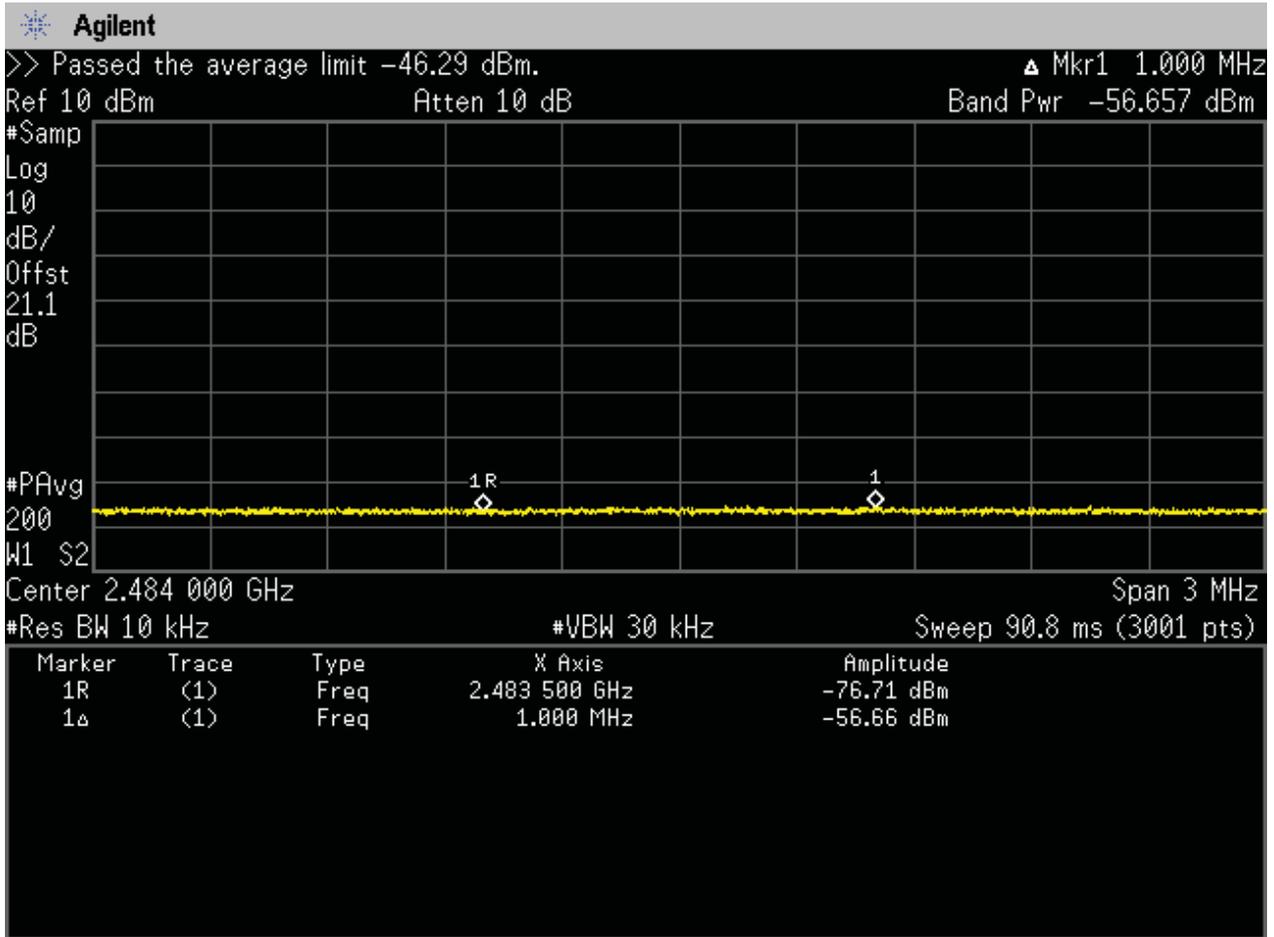




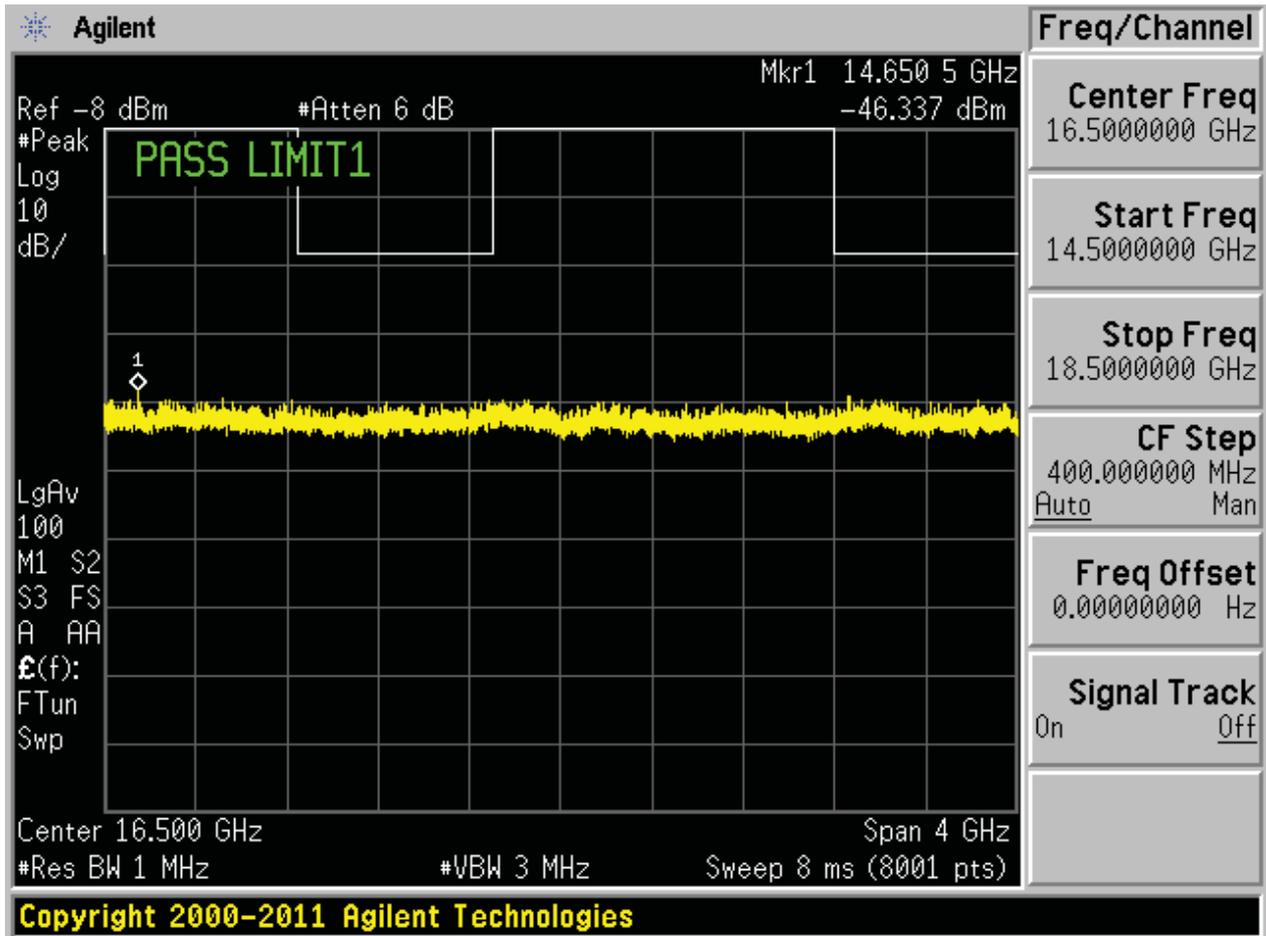


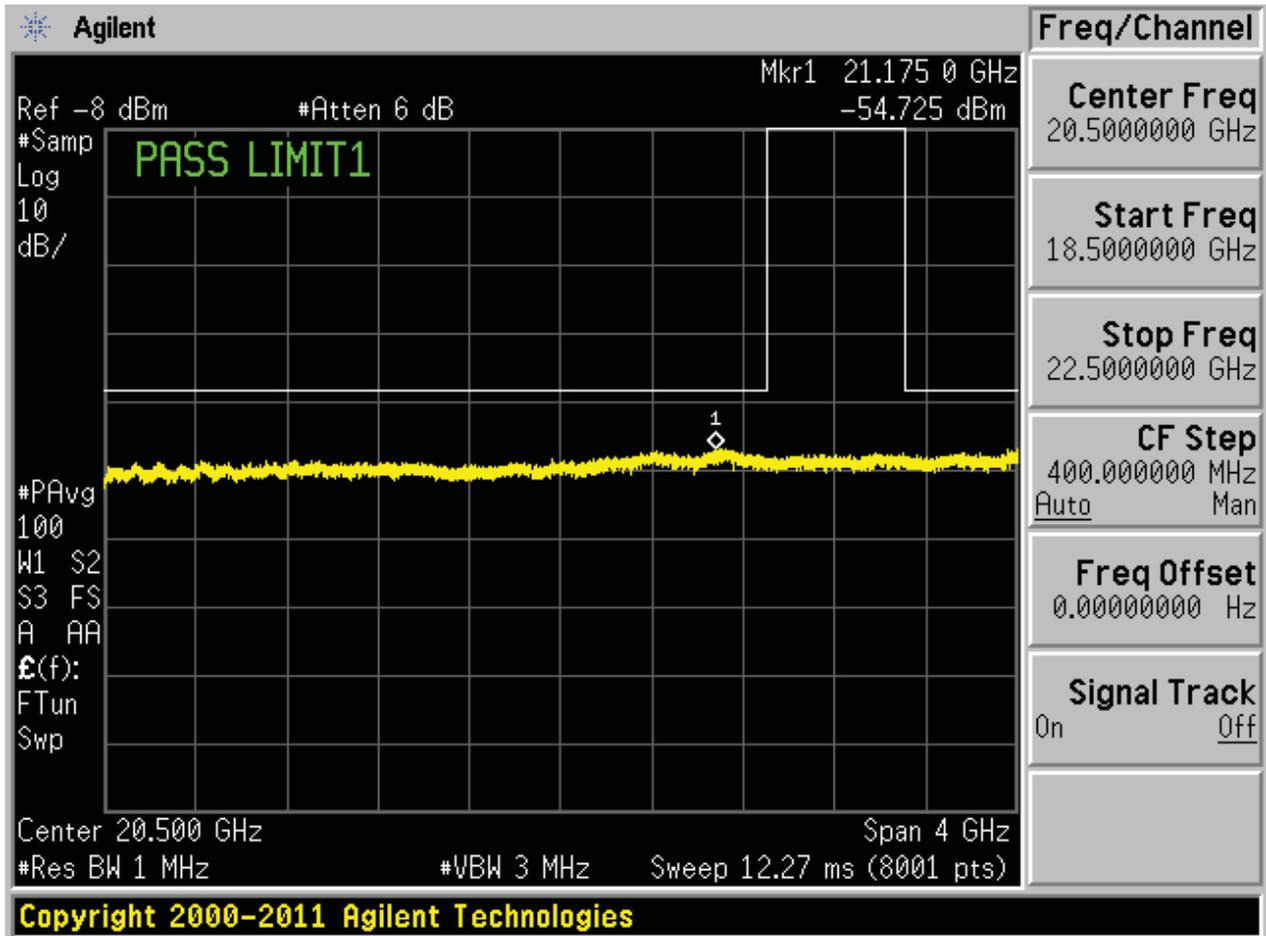


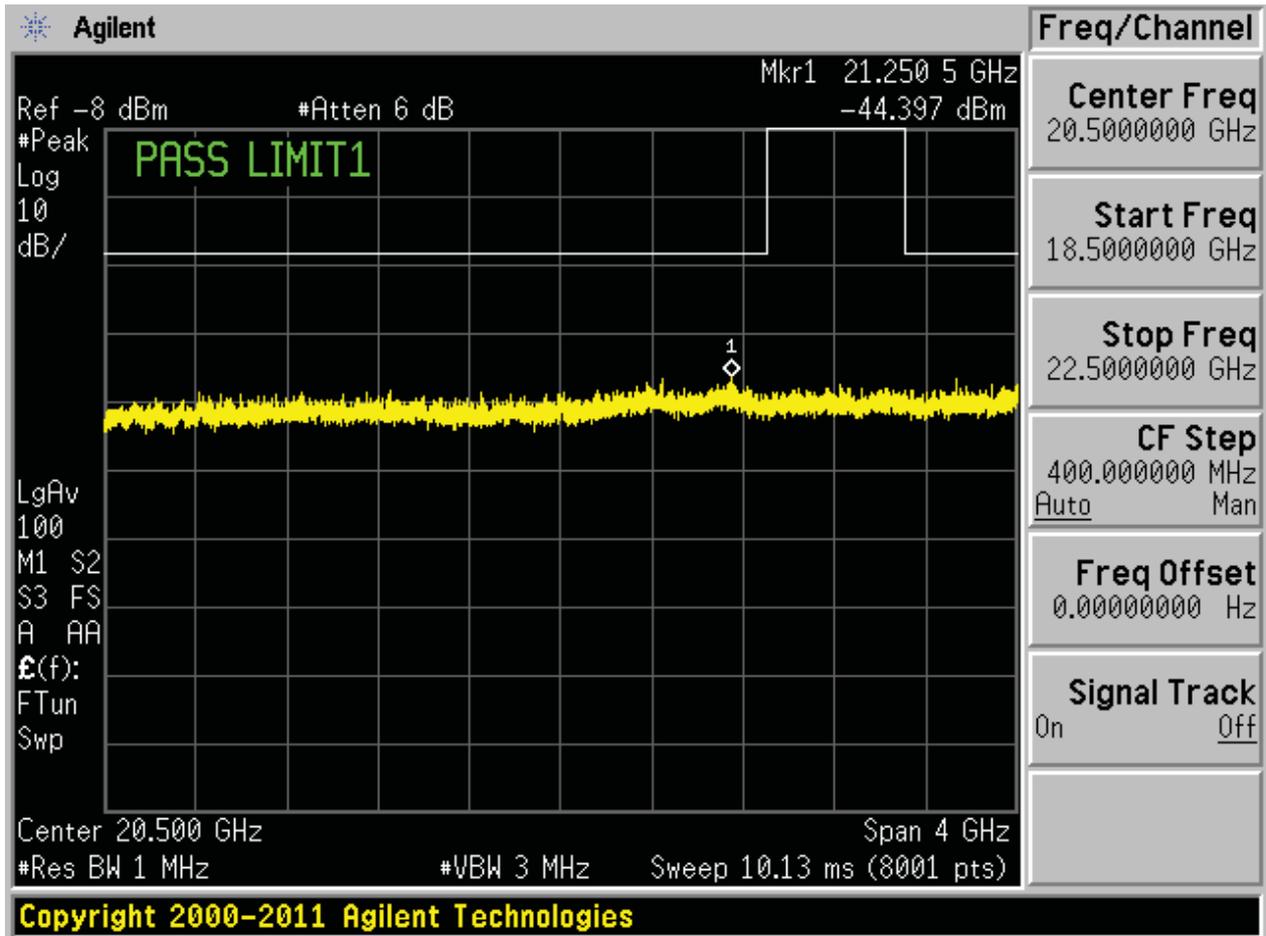


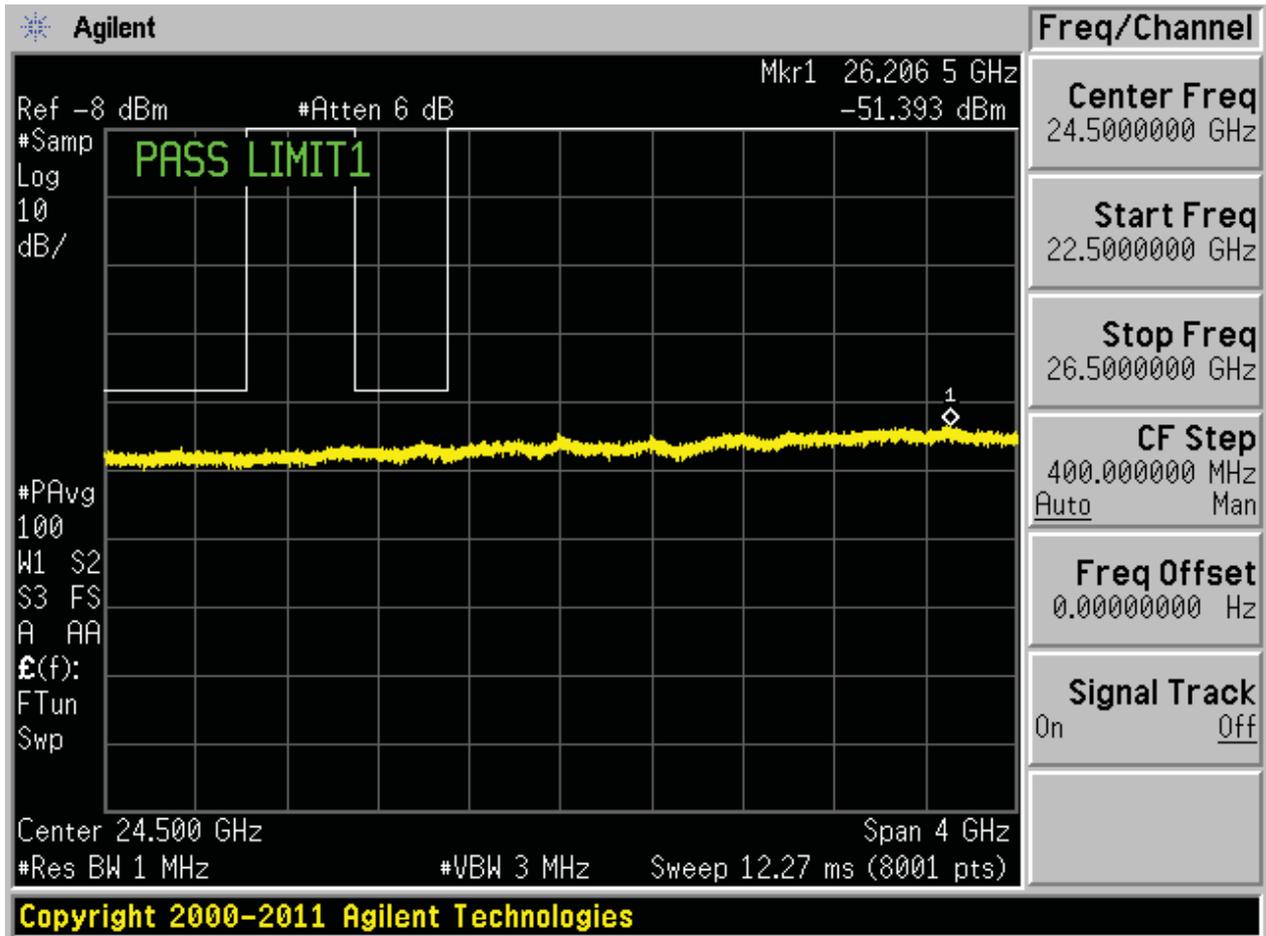


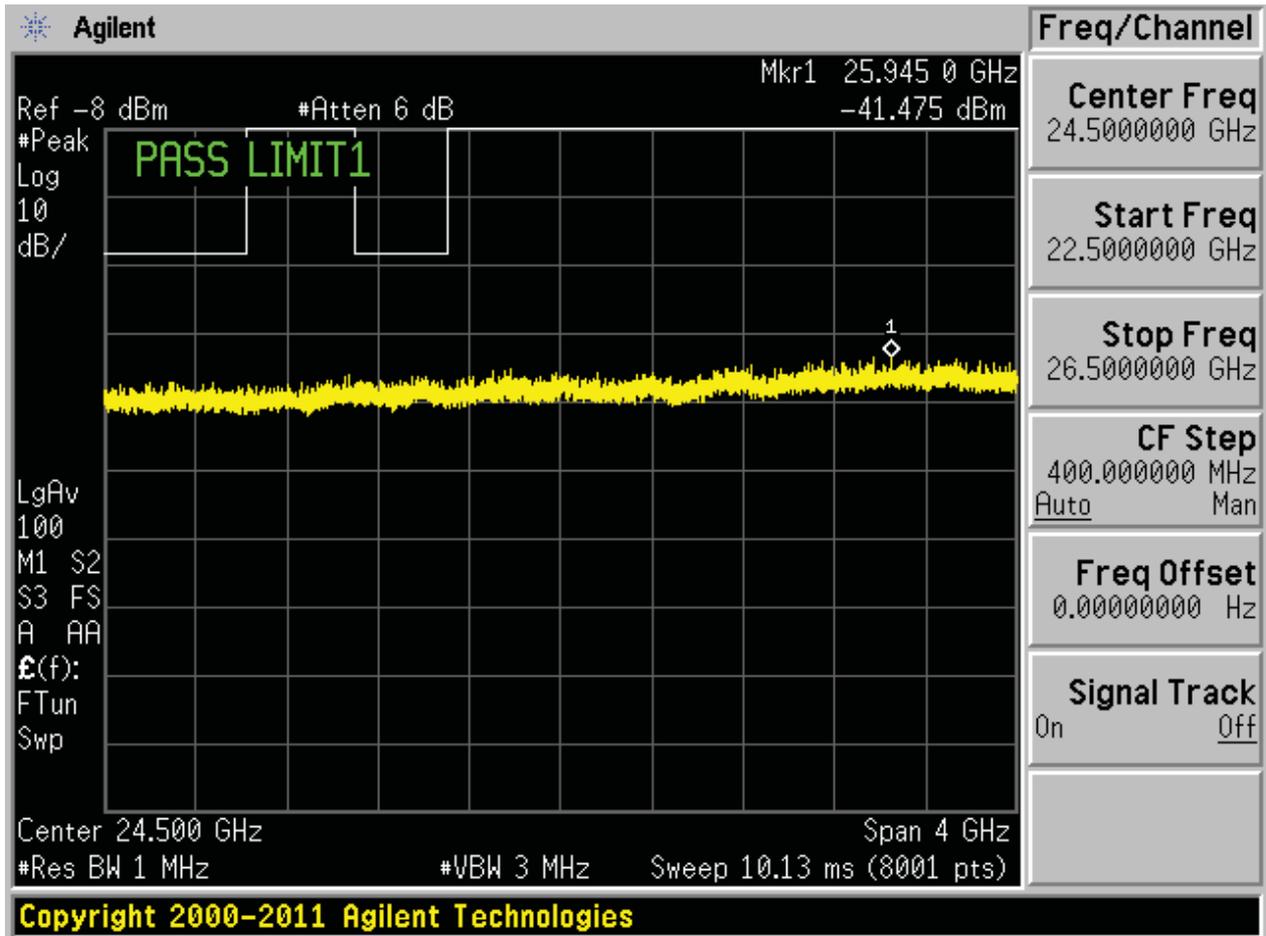
2.28.2 Ant 2

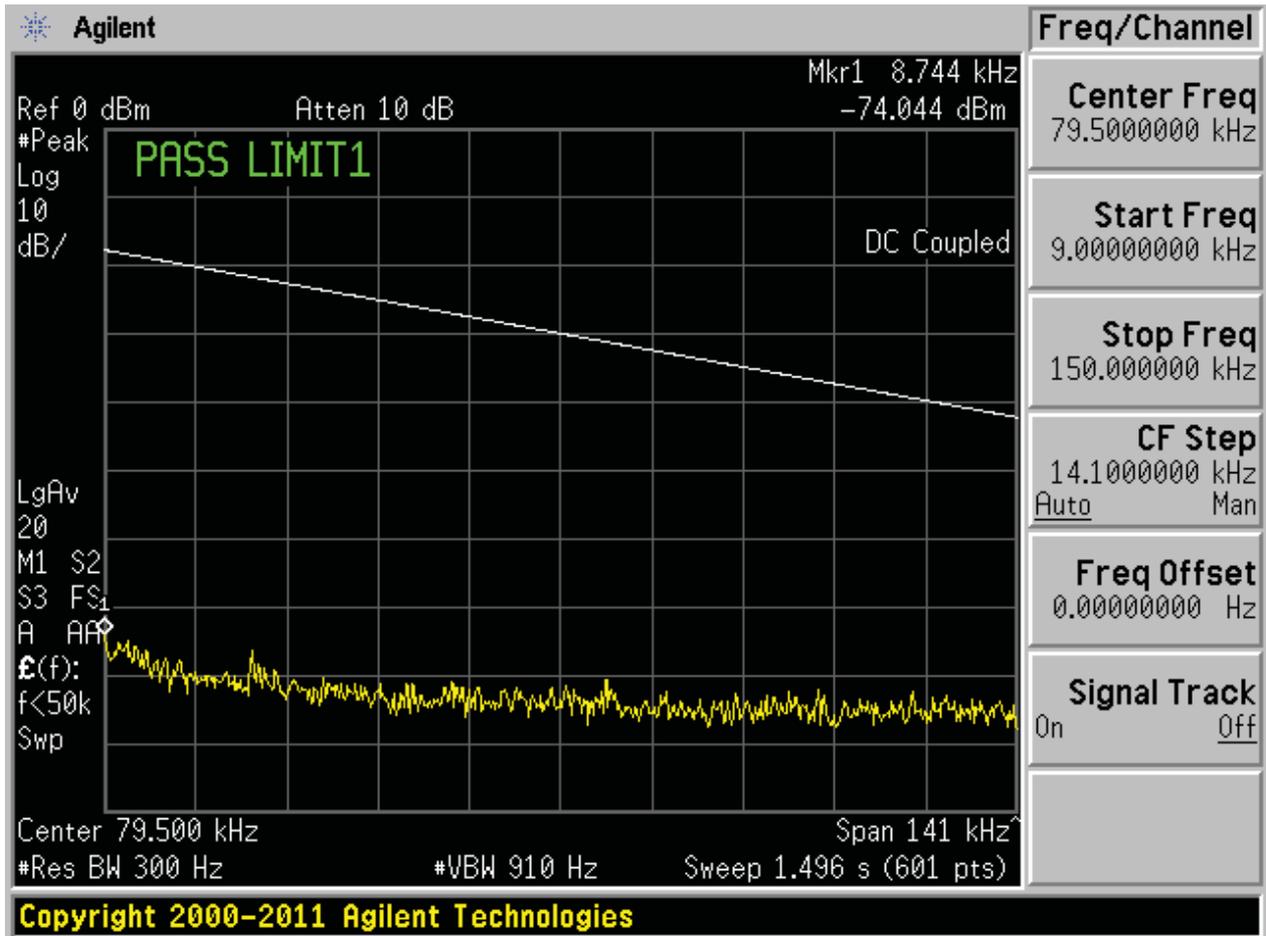


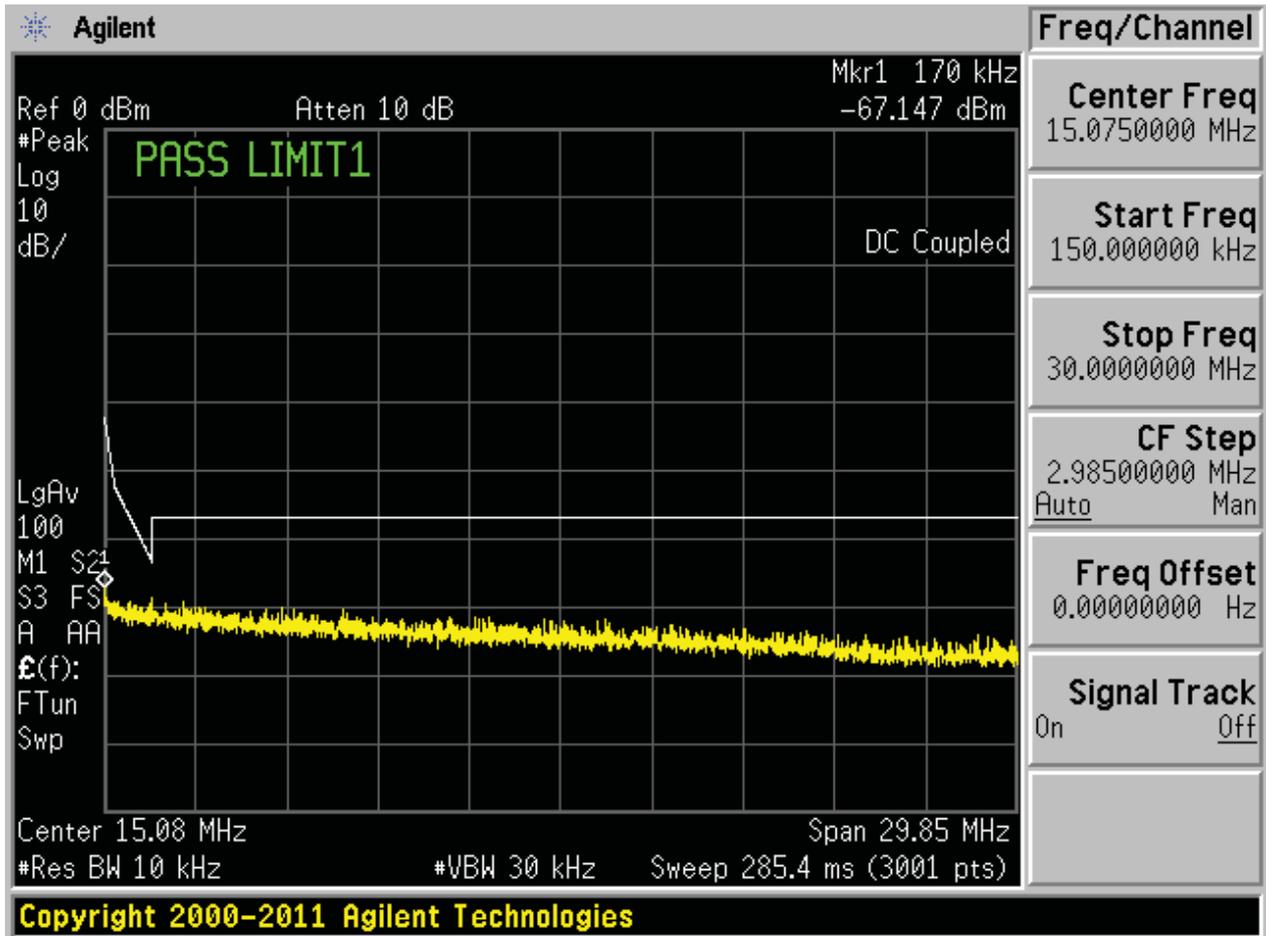


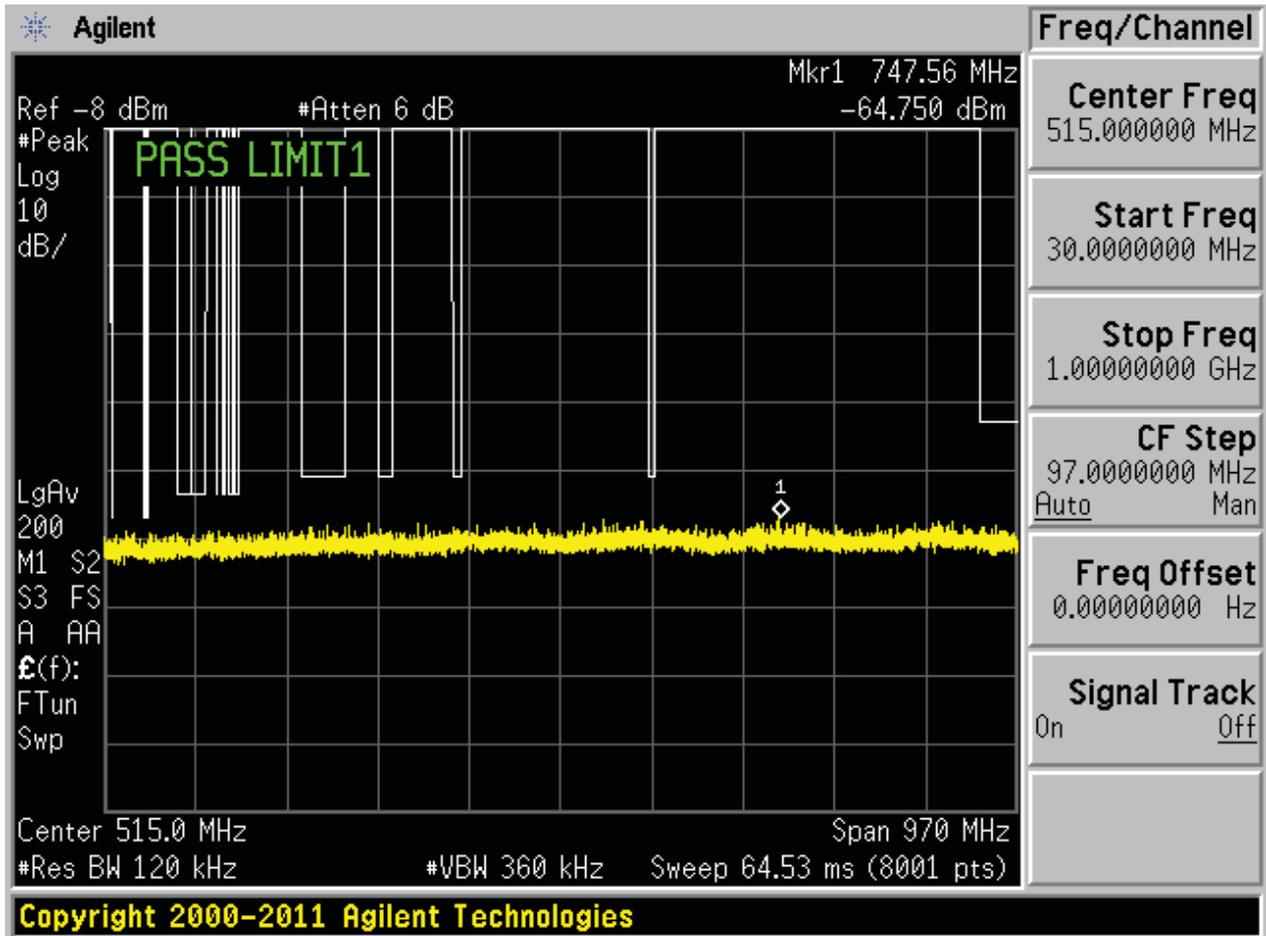


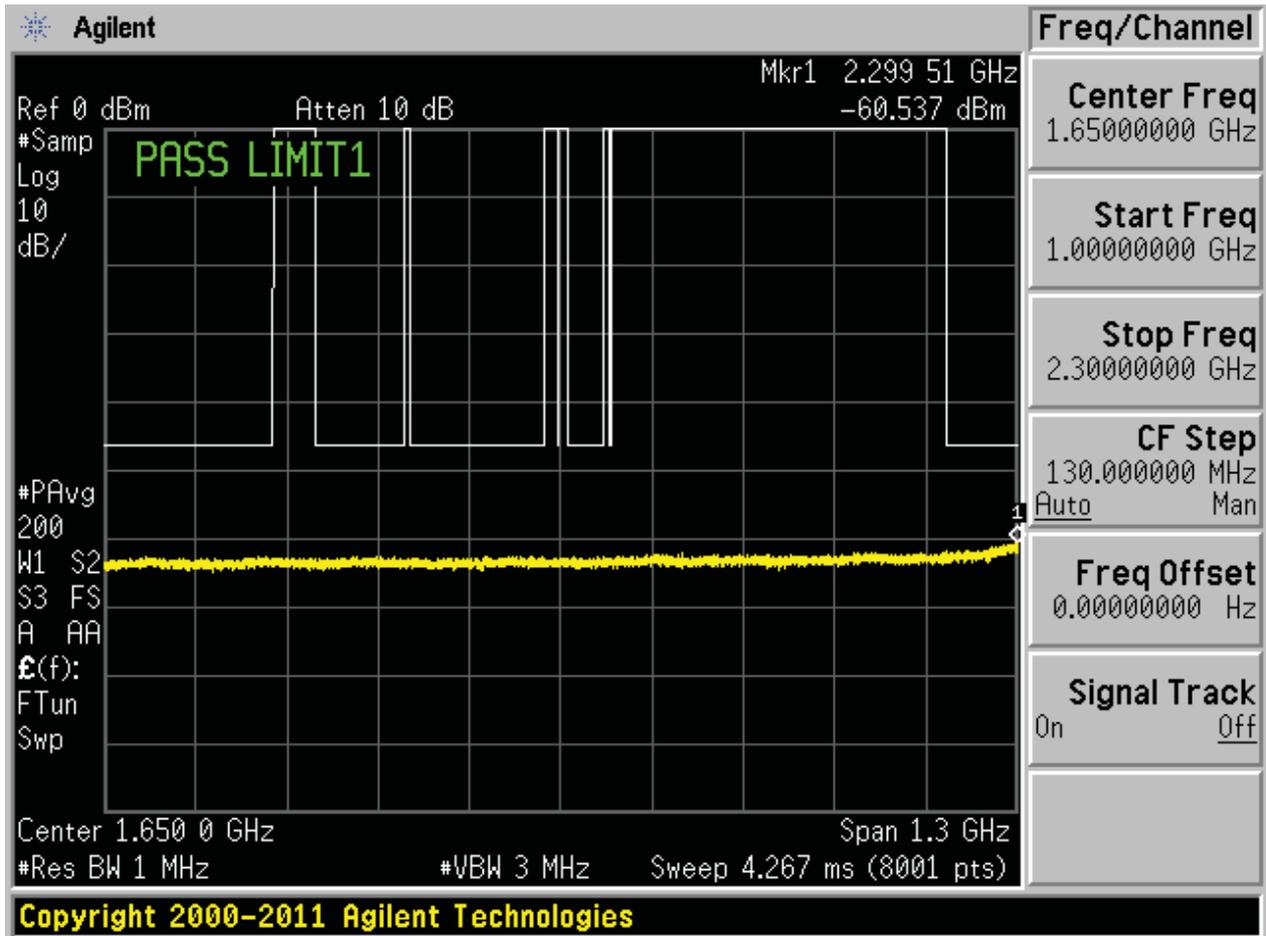


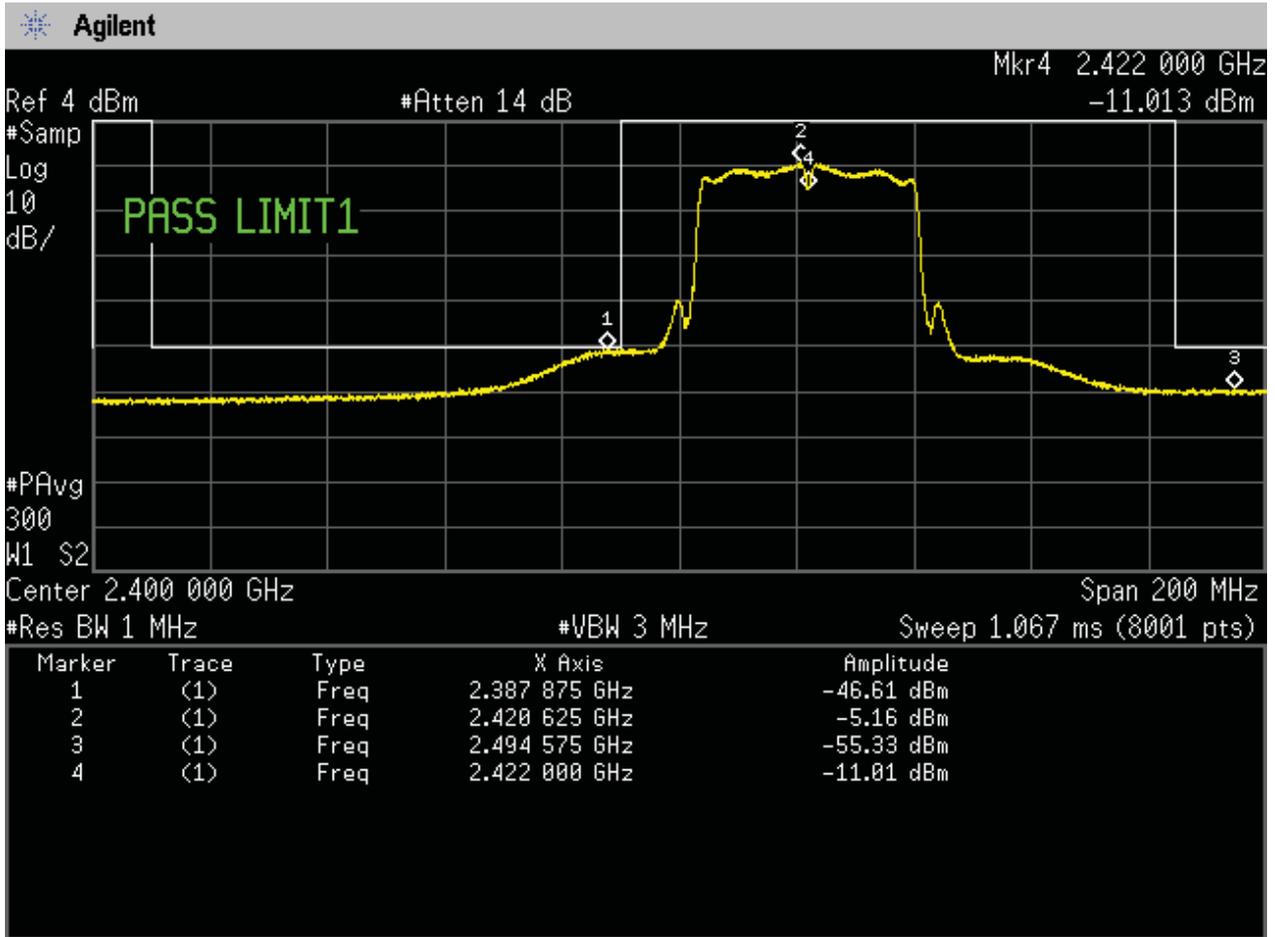


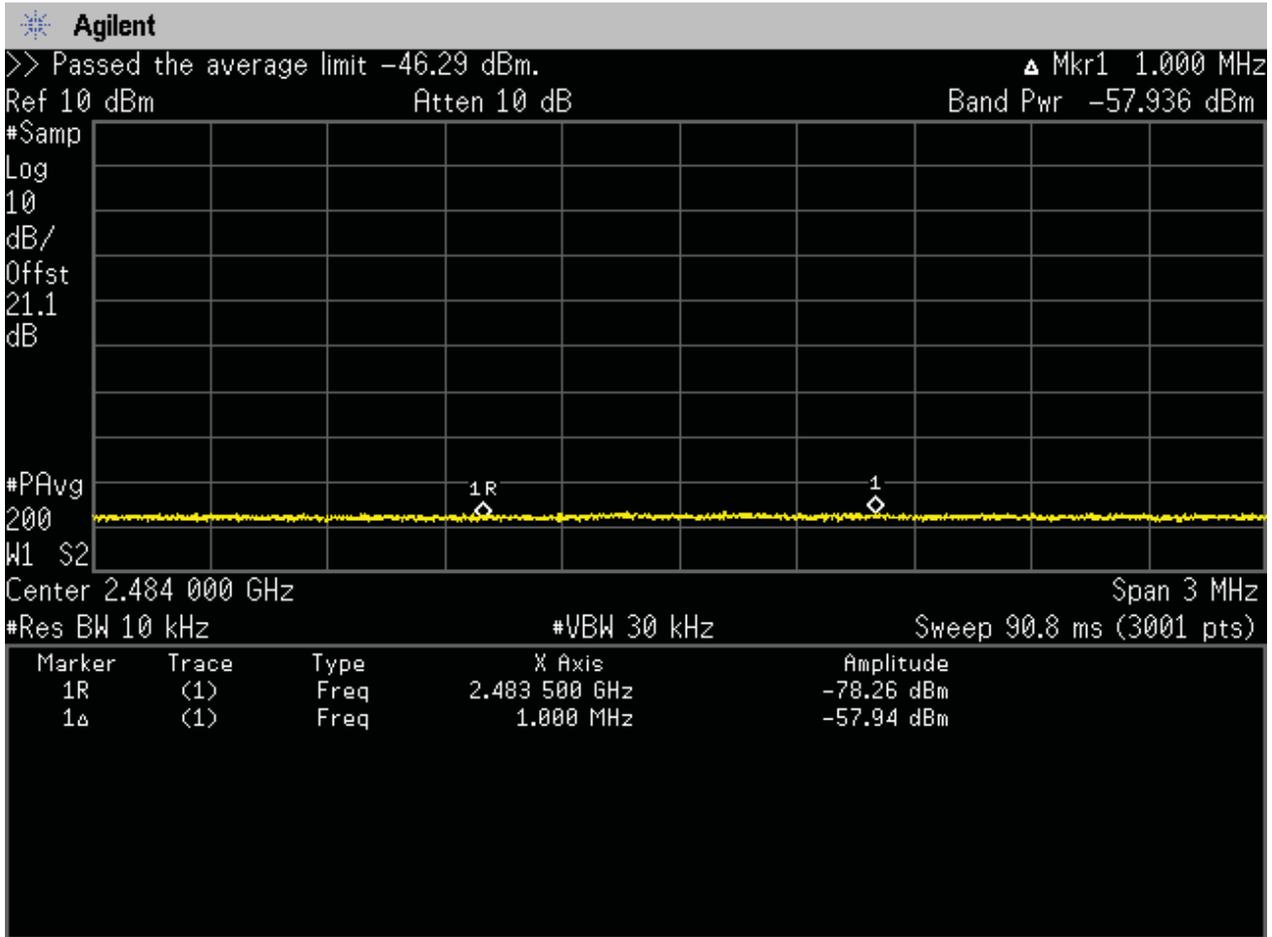


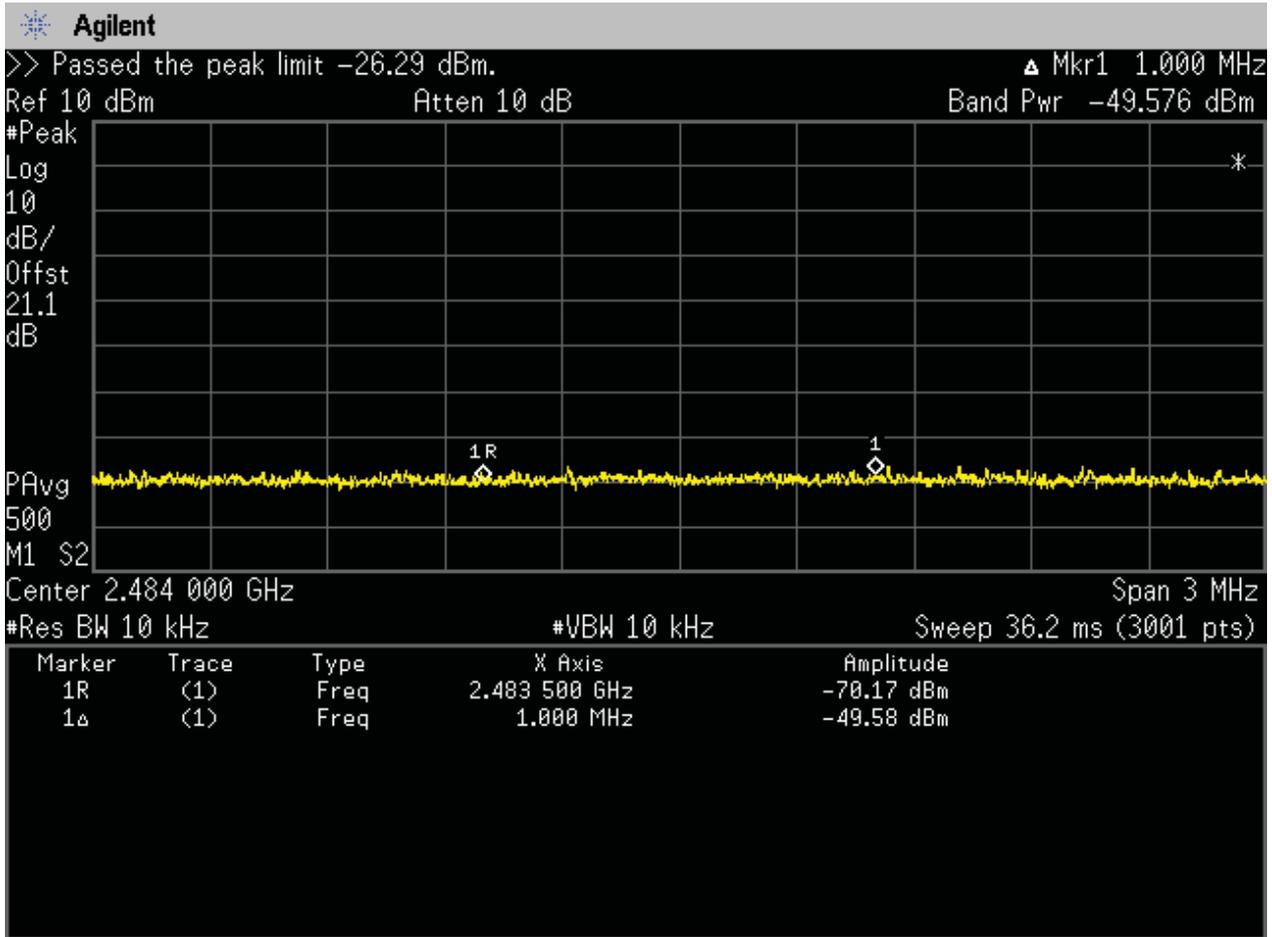


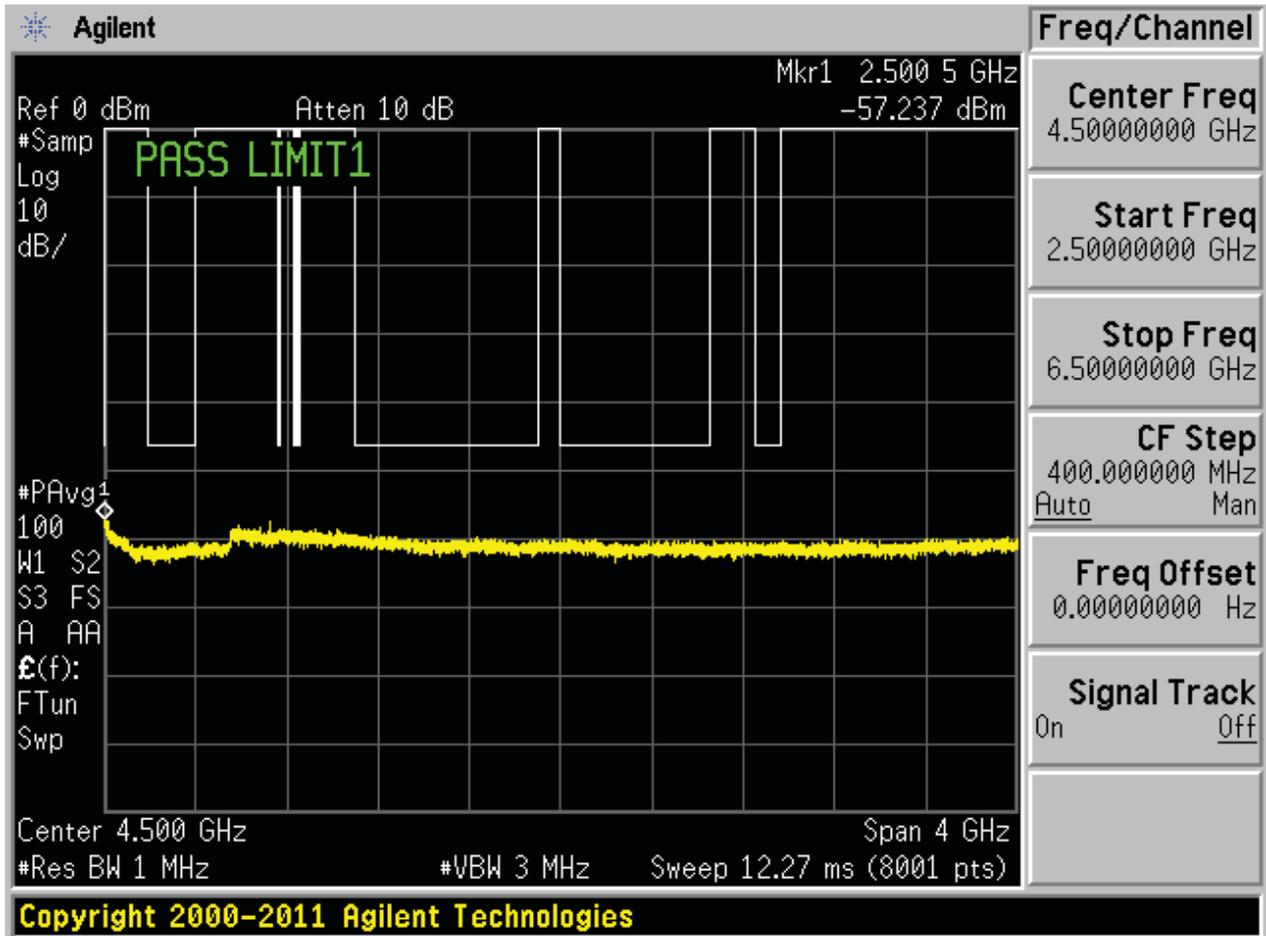


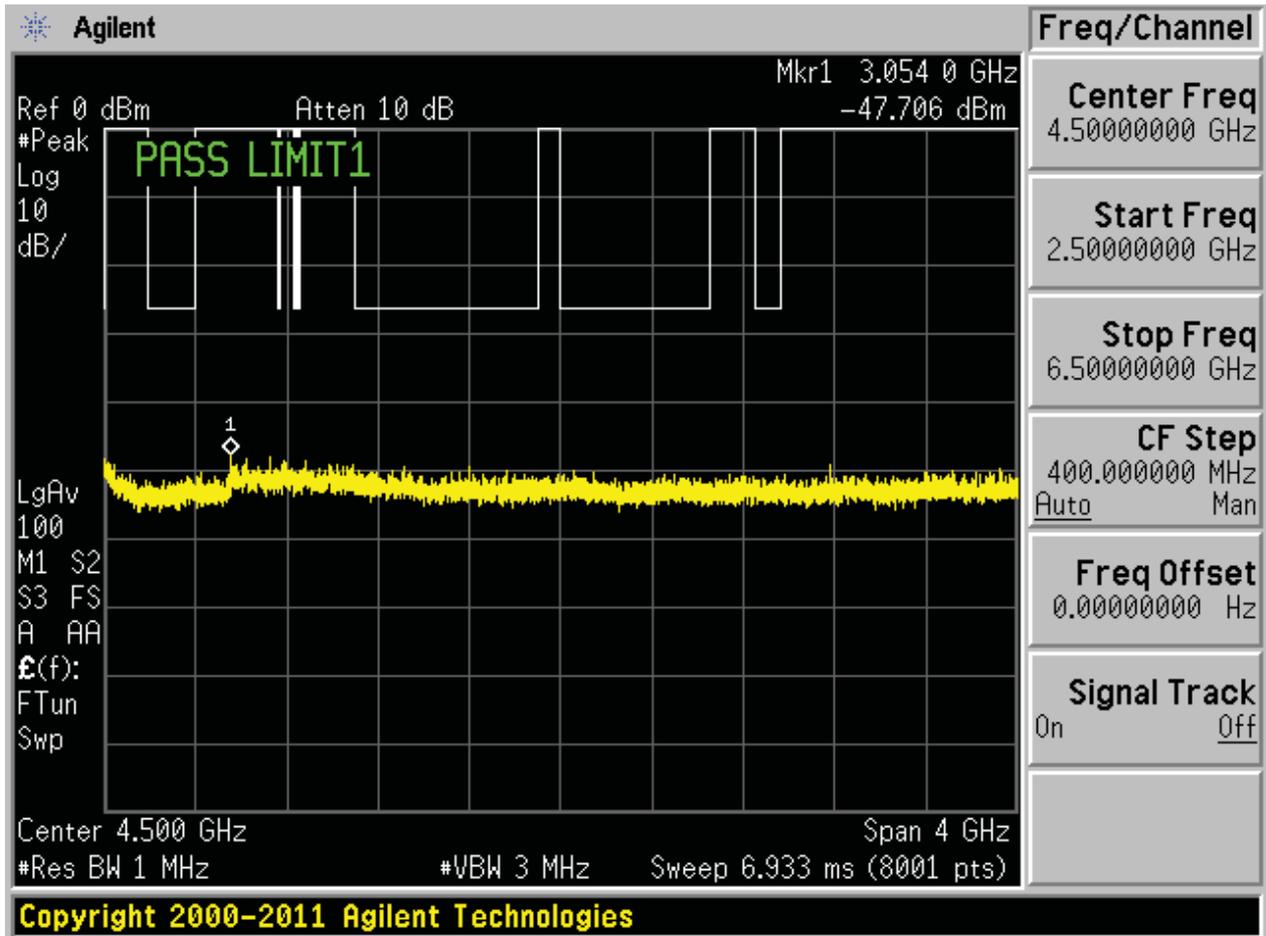


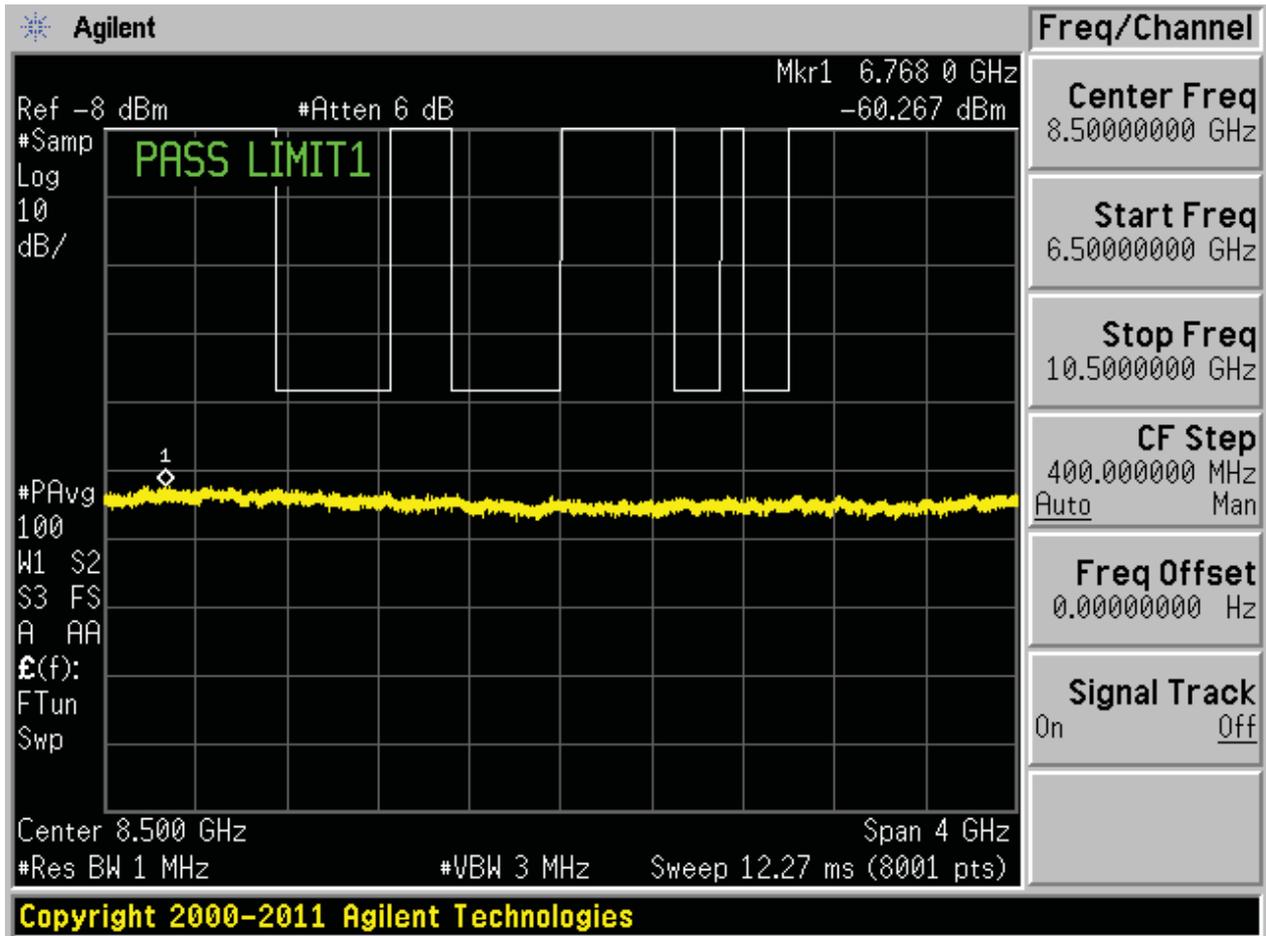


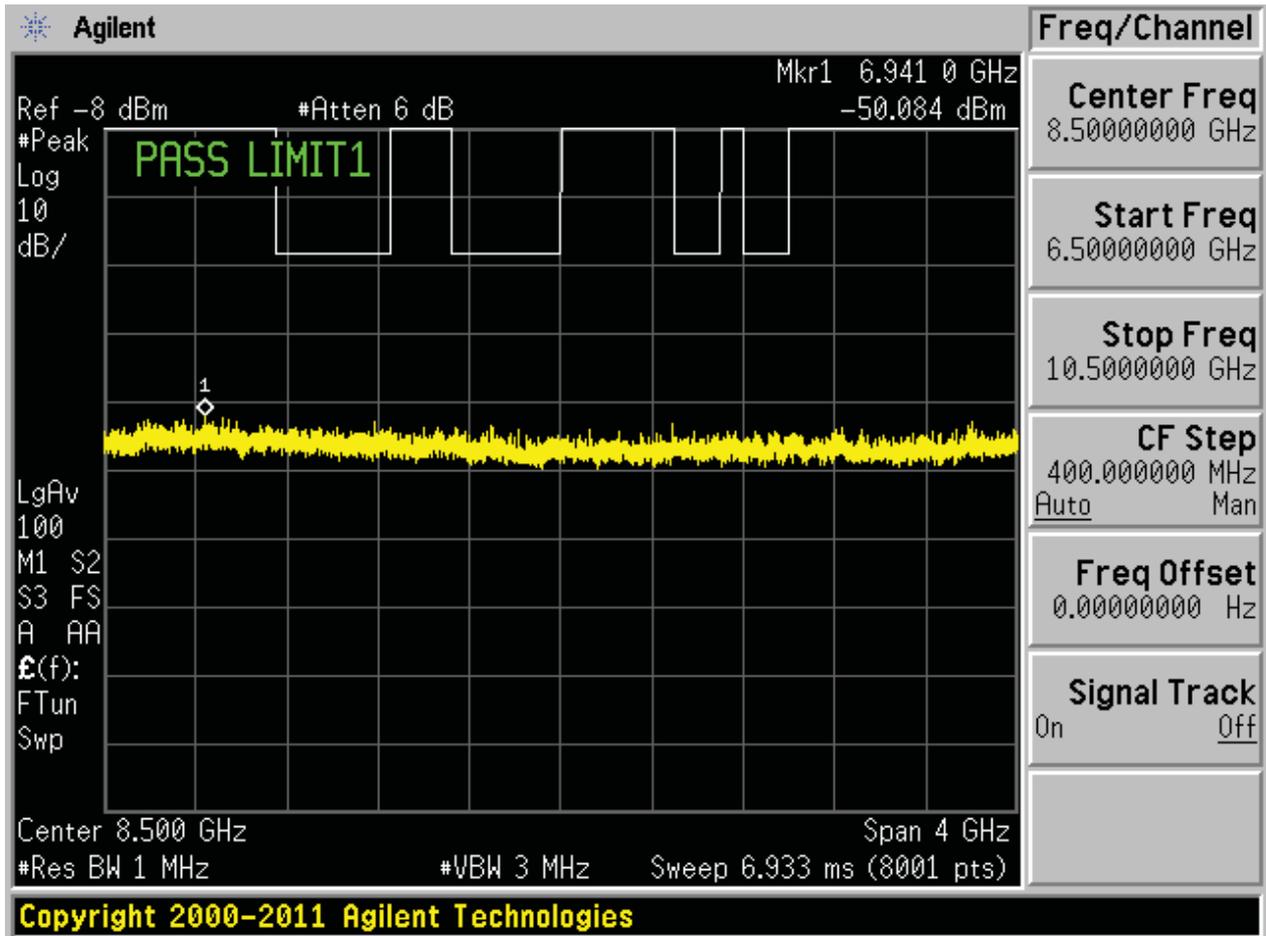


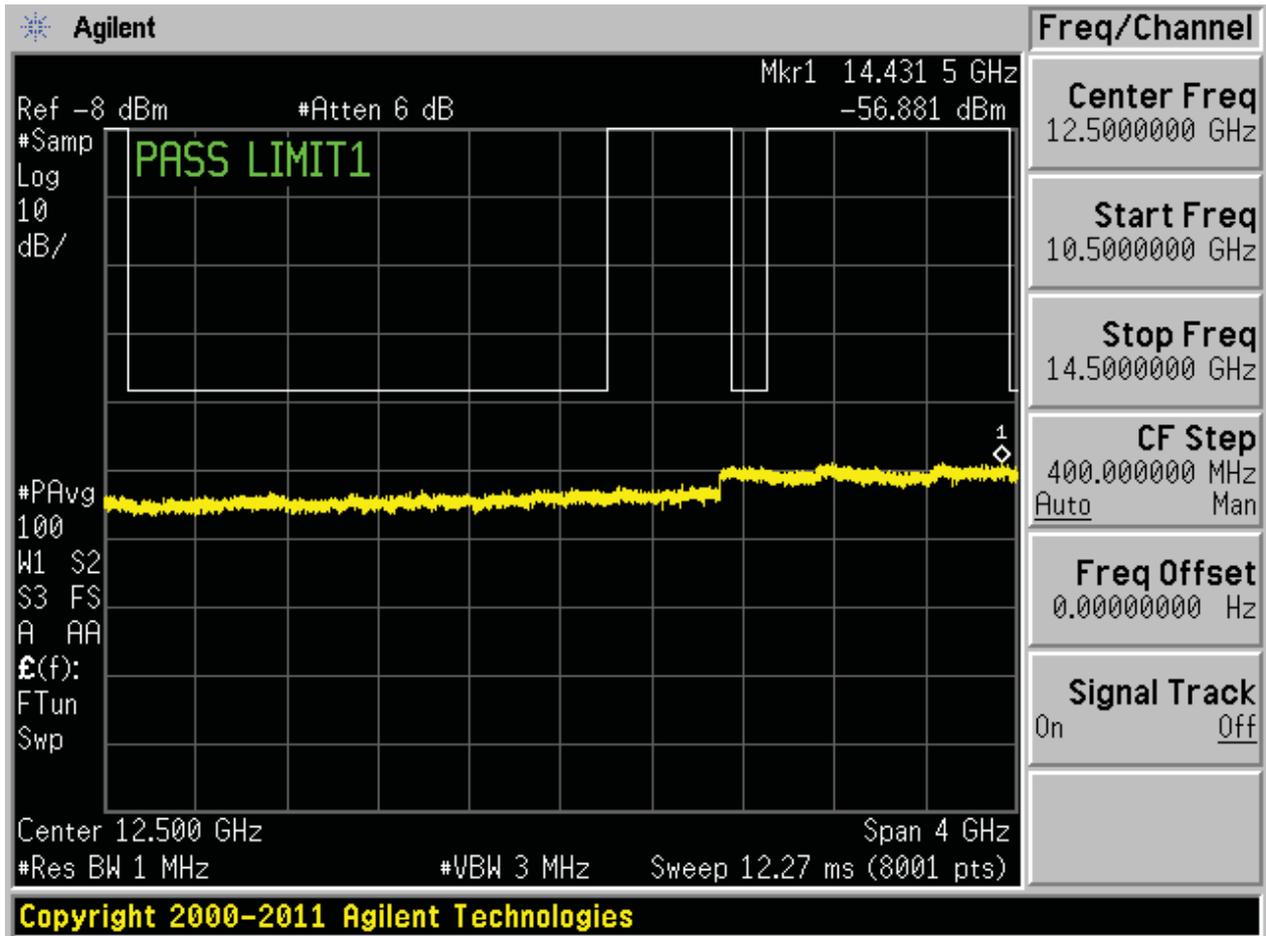


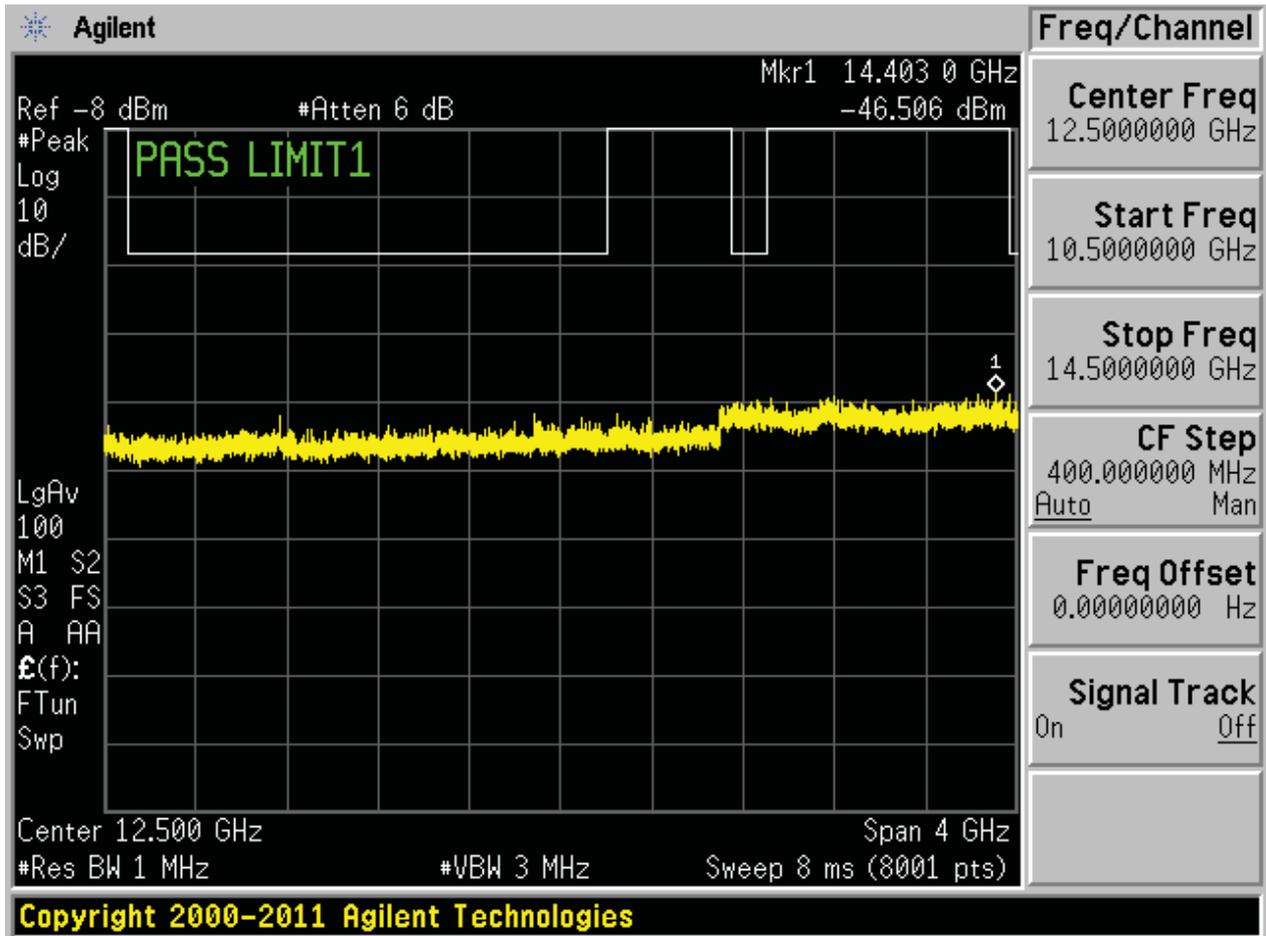


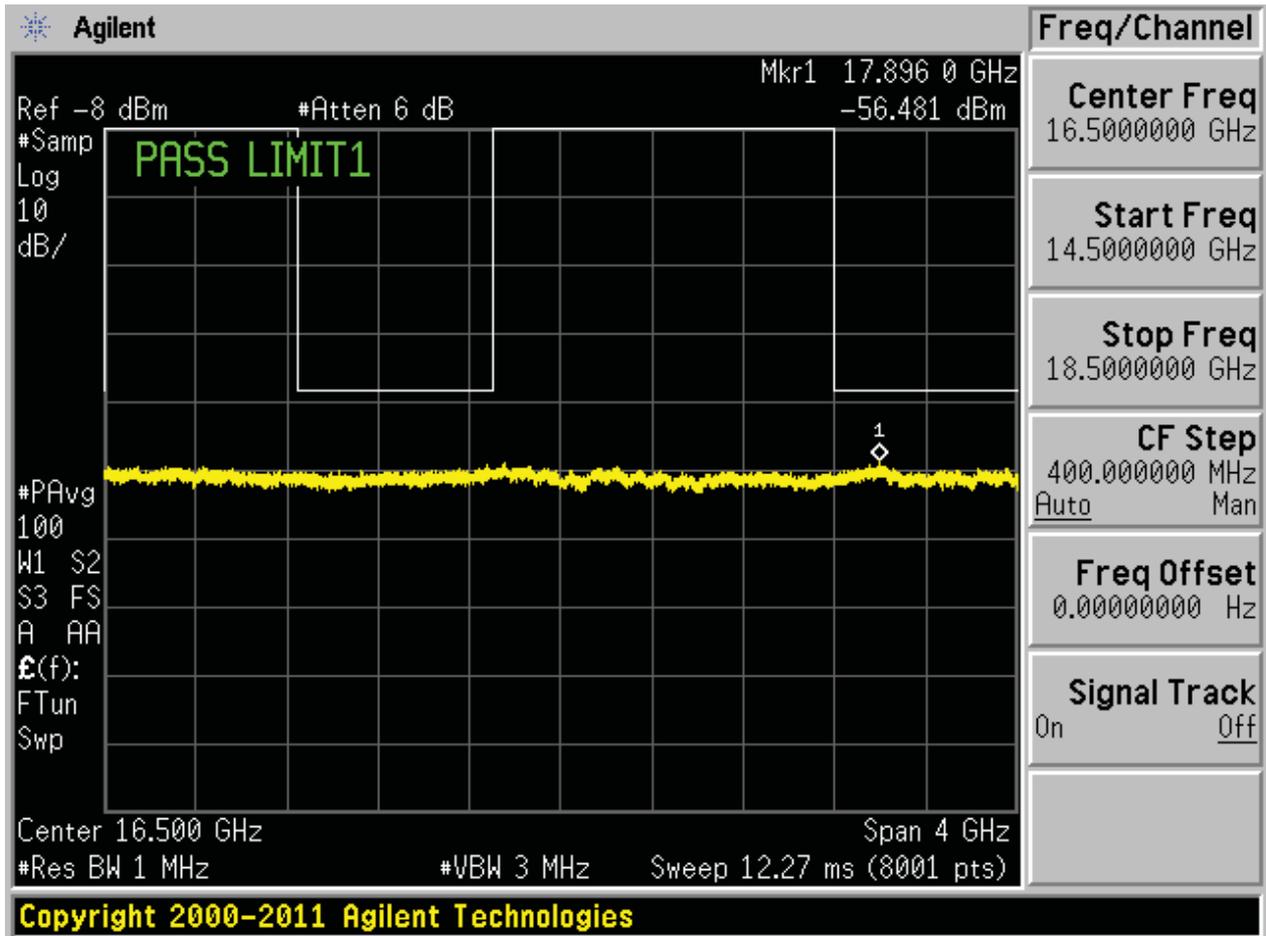






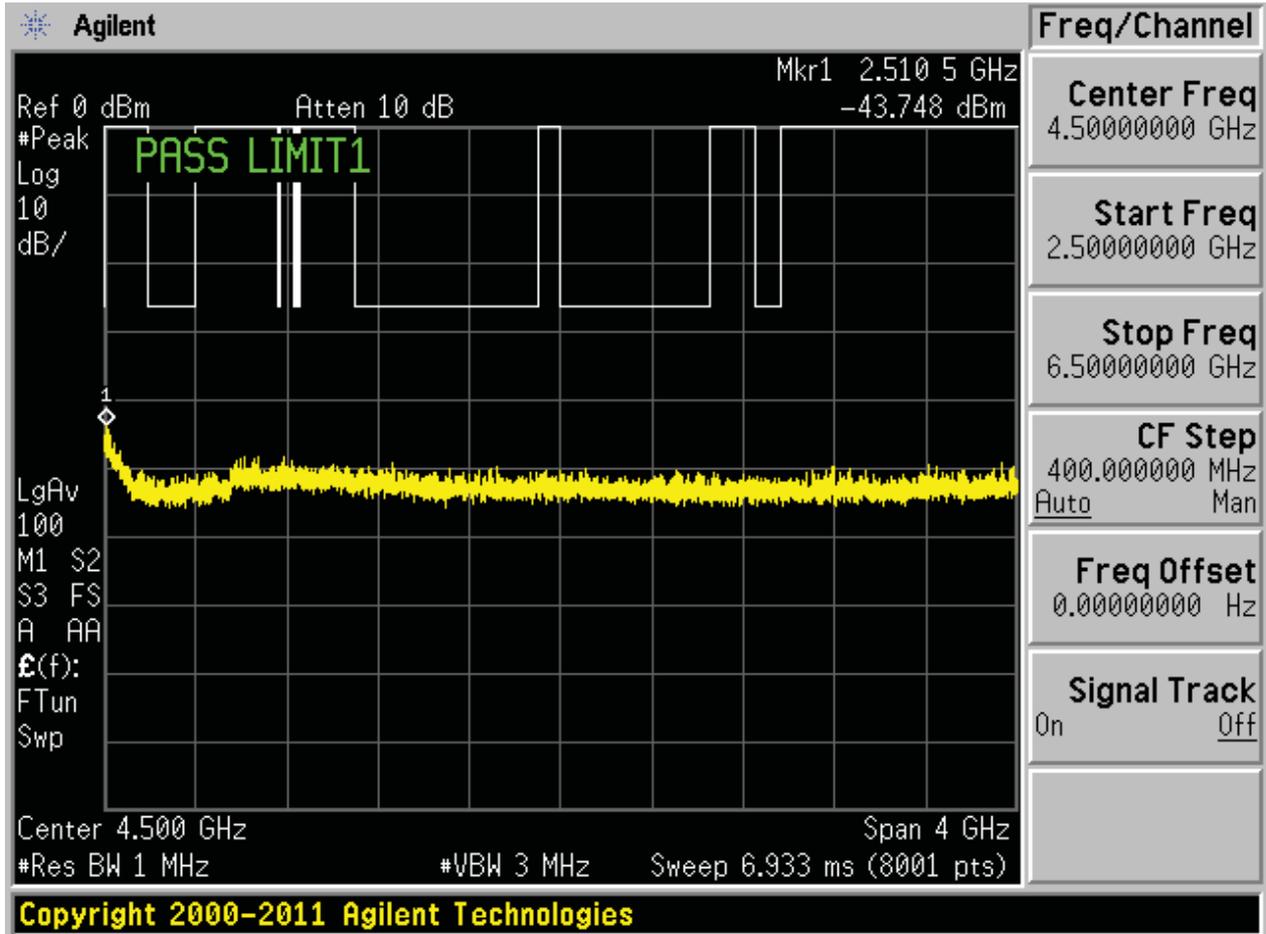


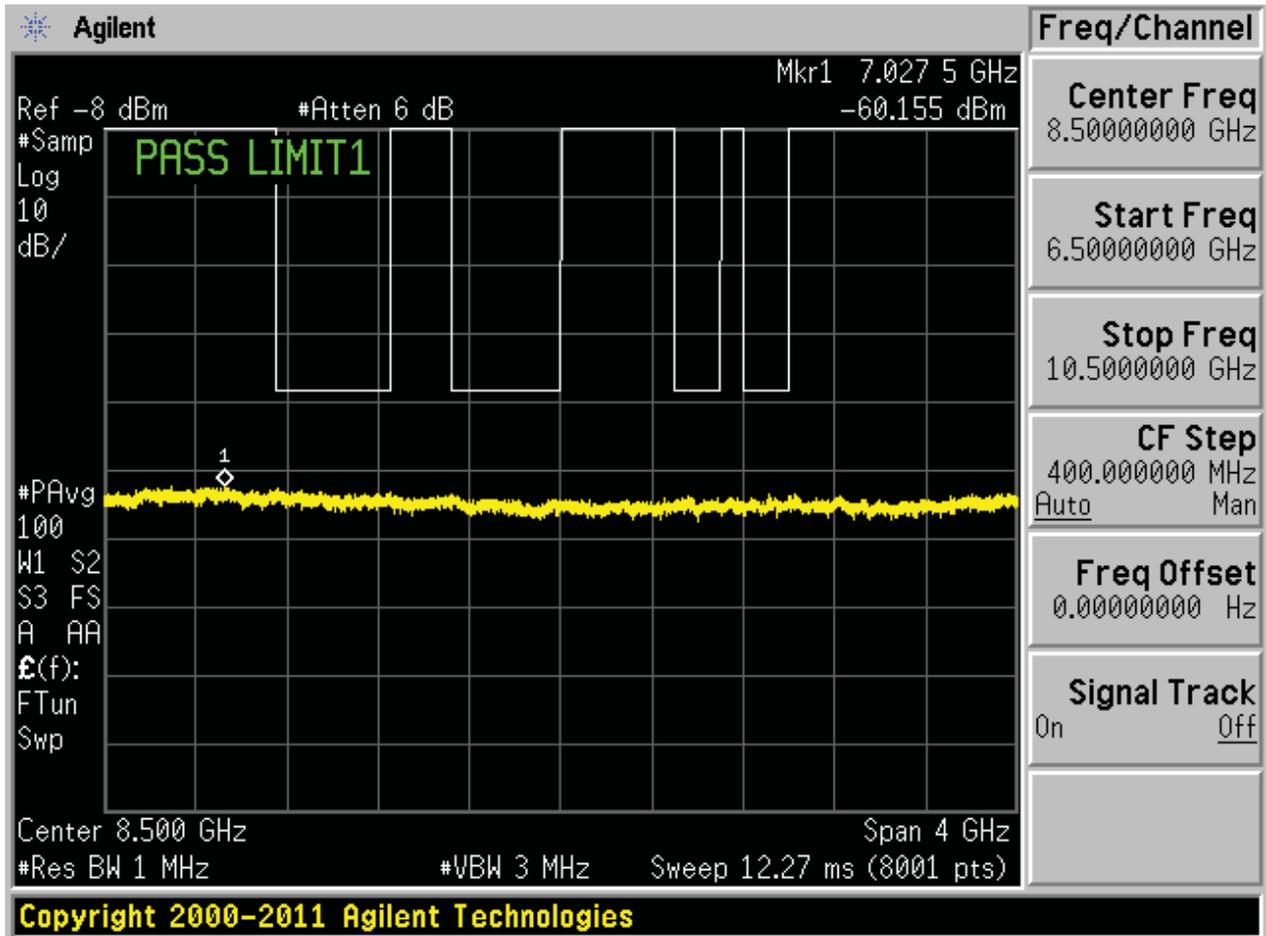


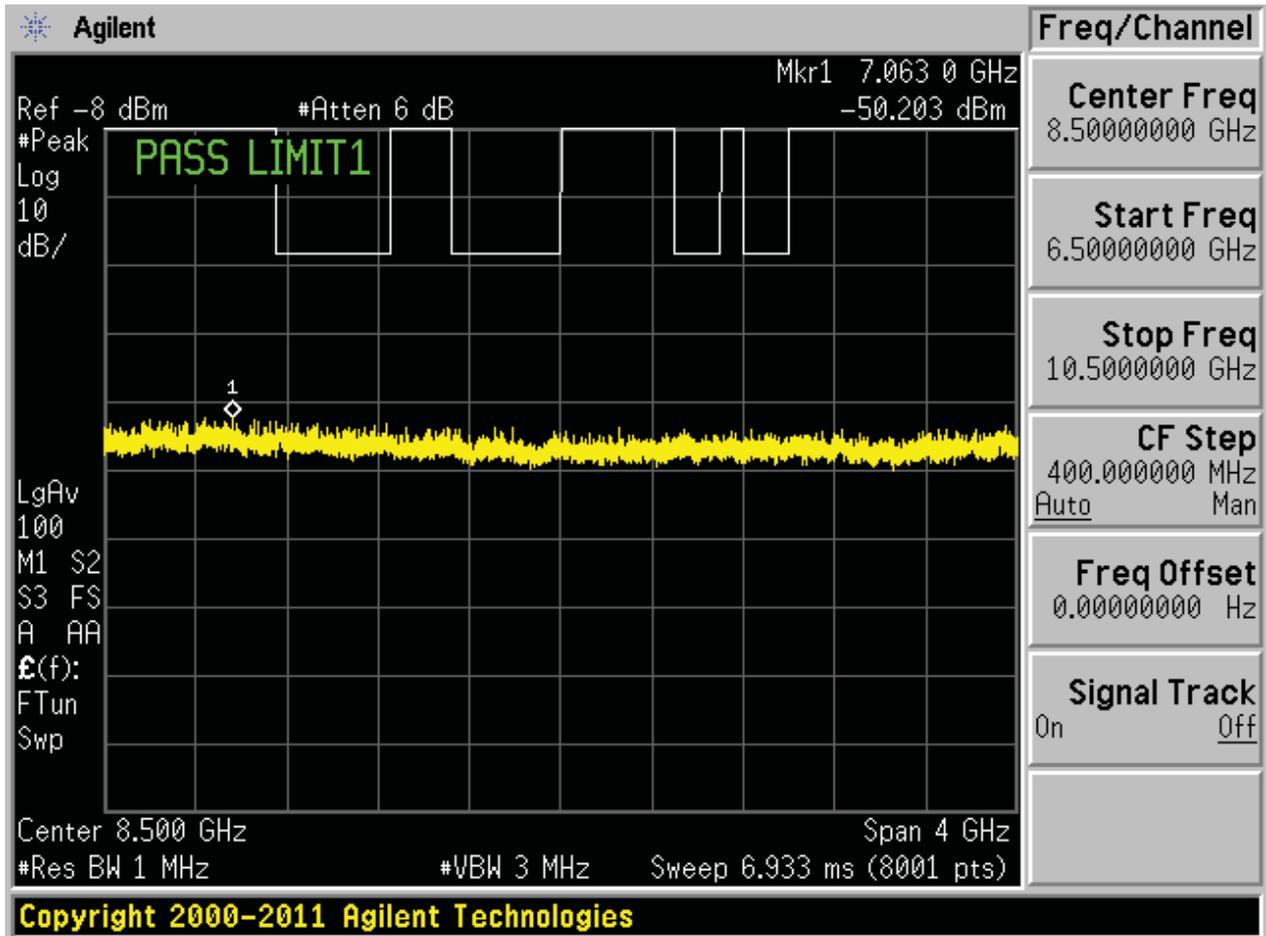


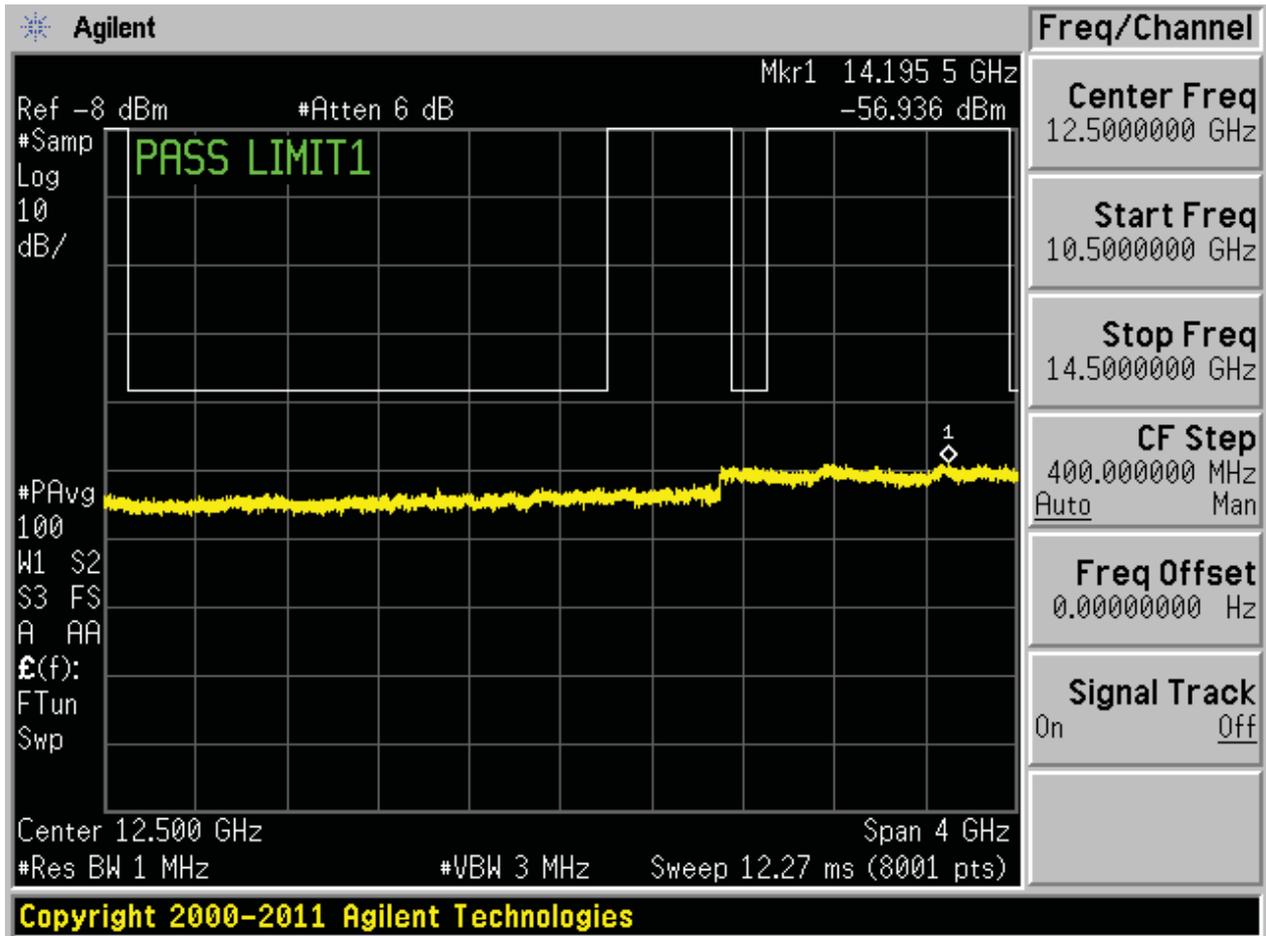
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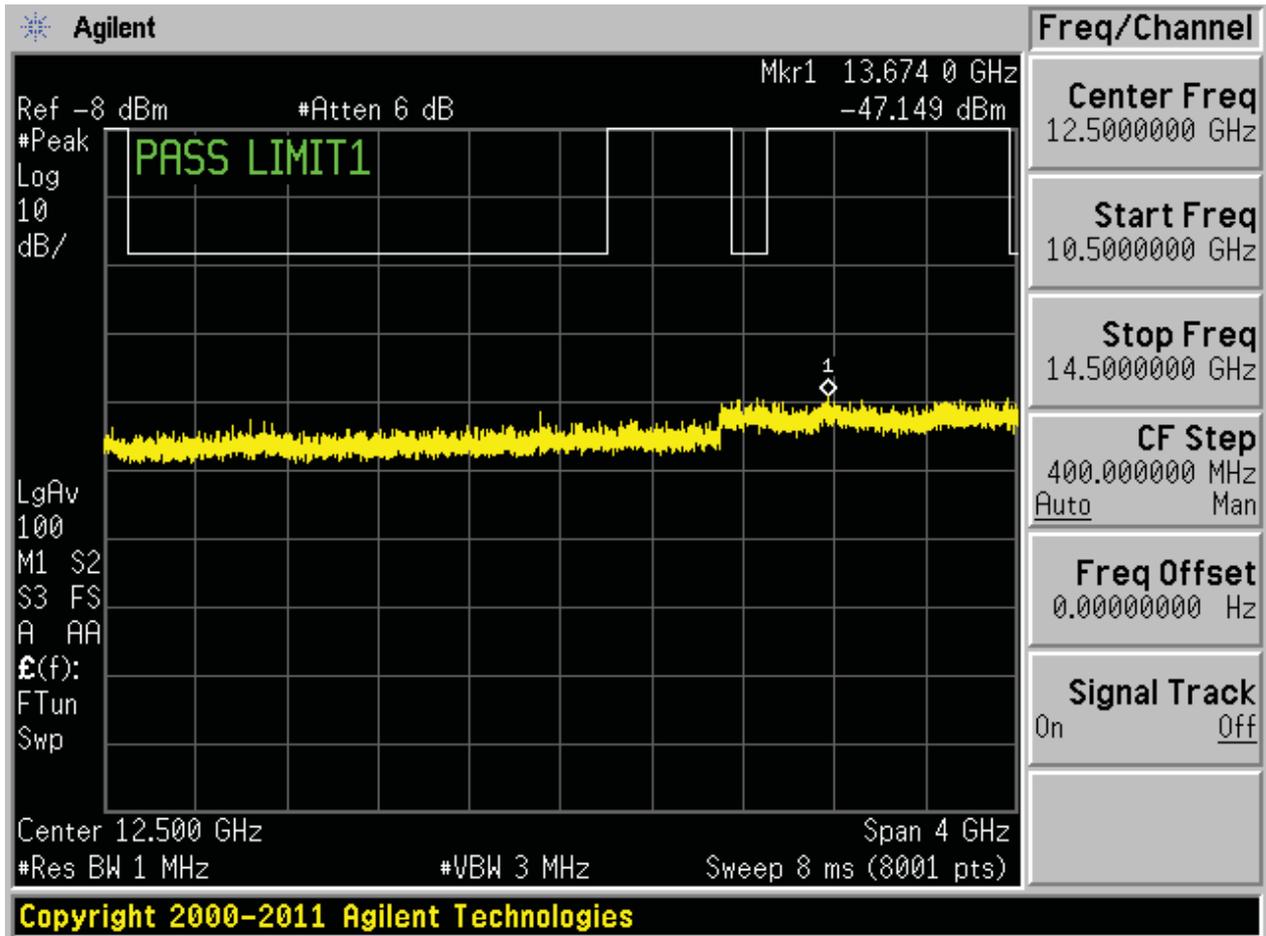
2.29.1 Ant 1

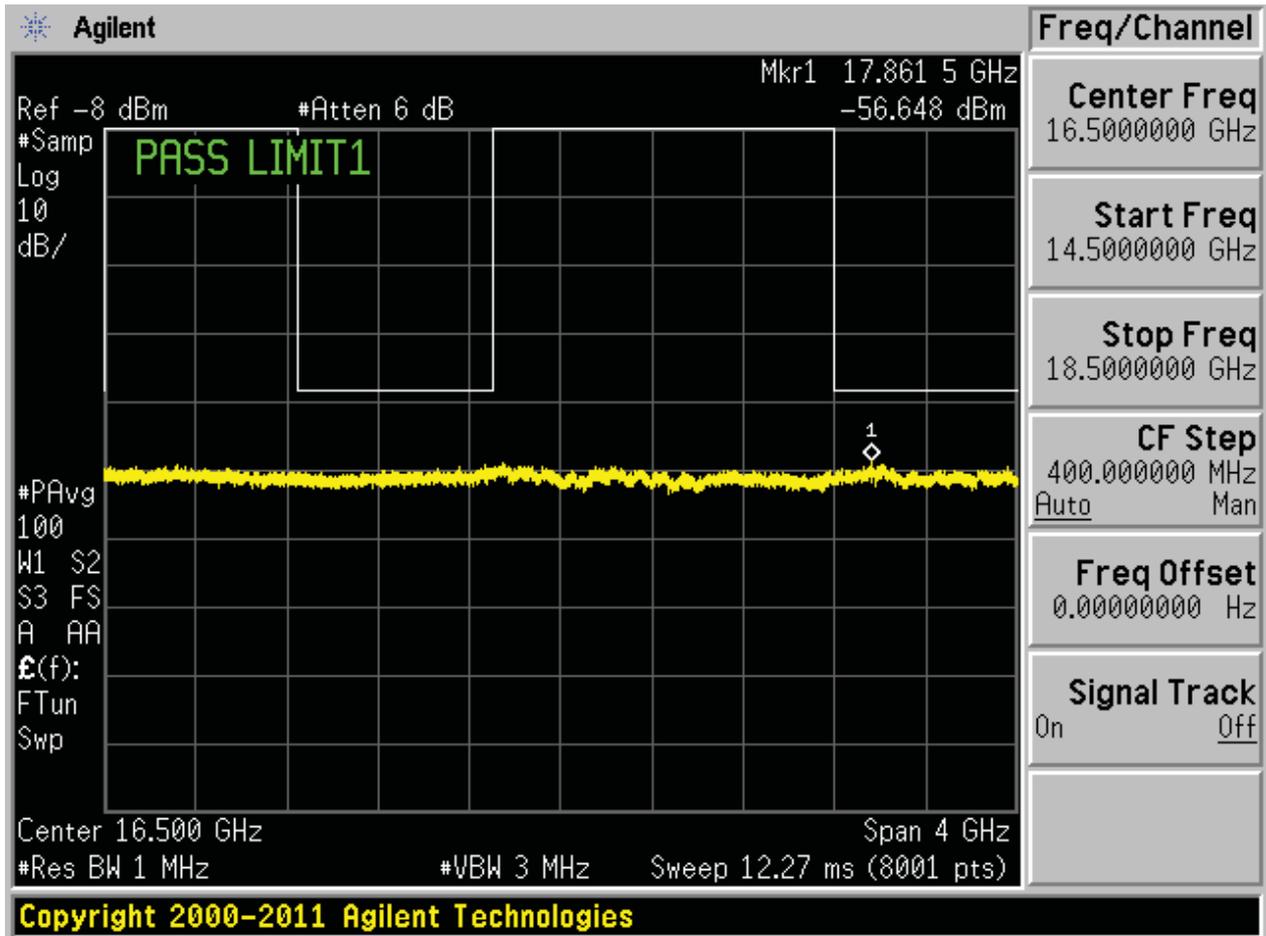


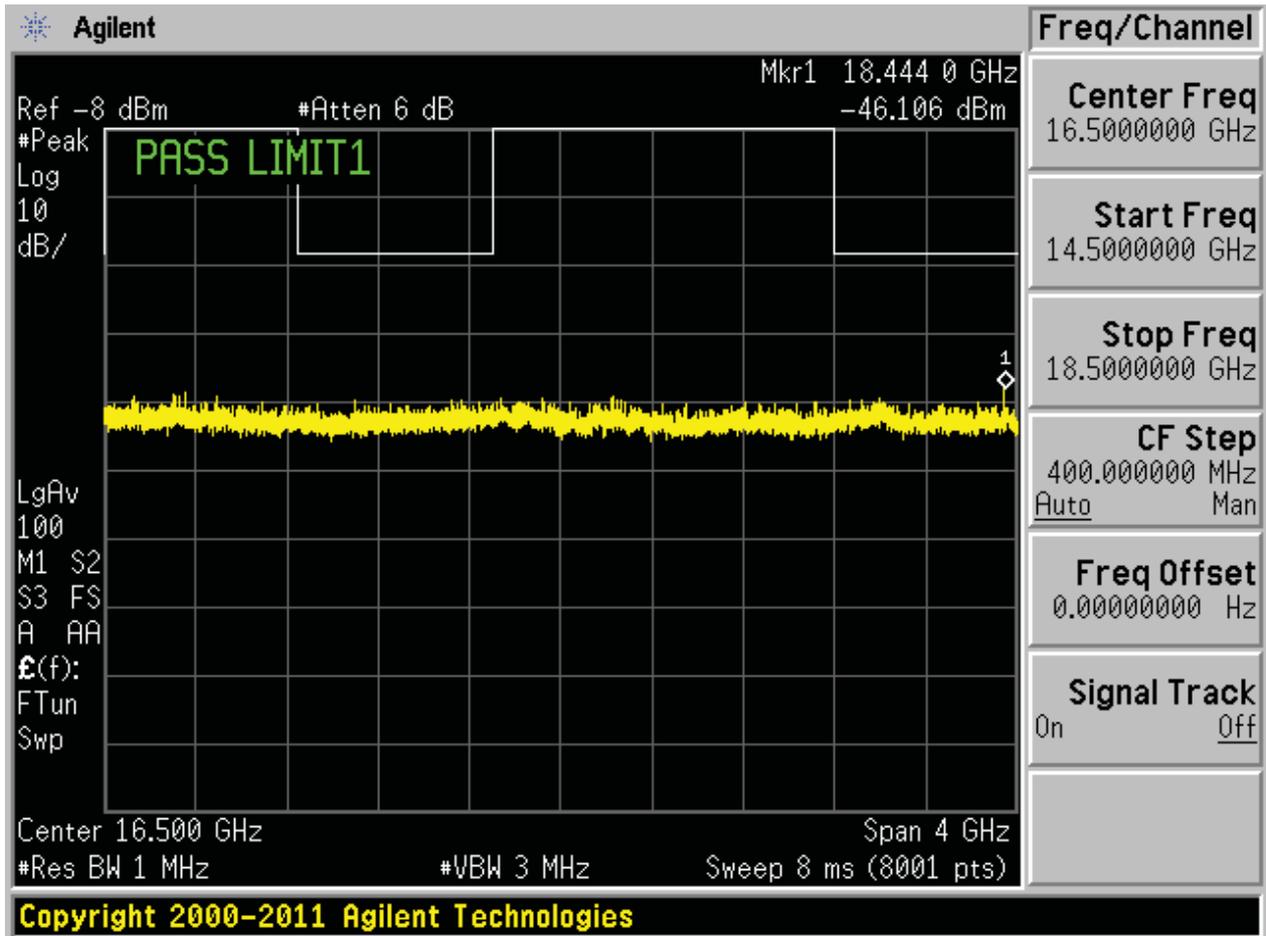


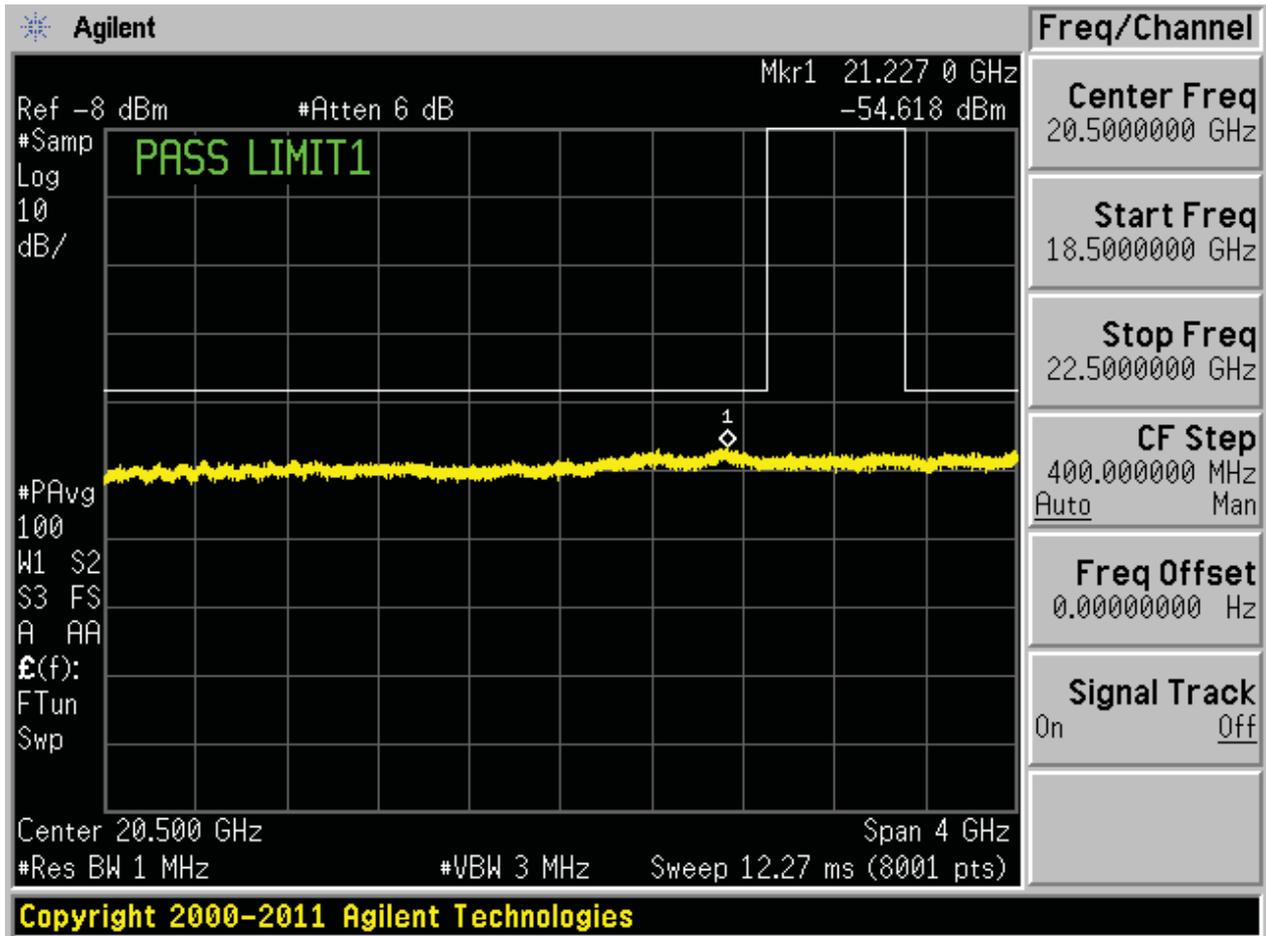


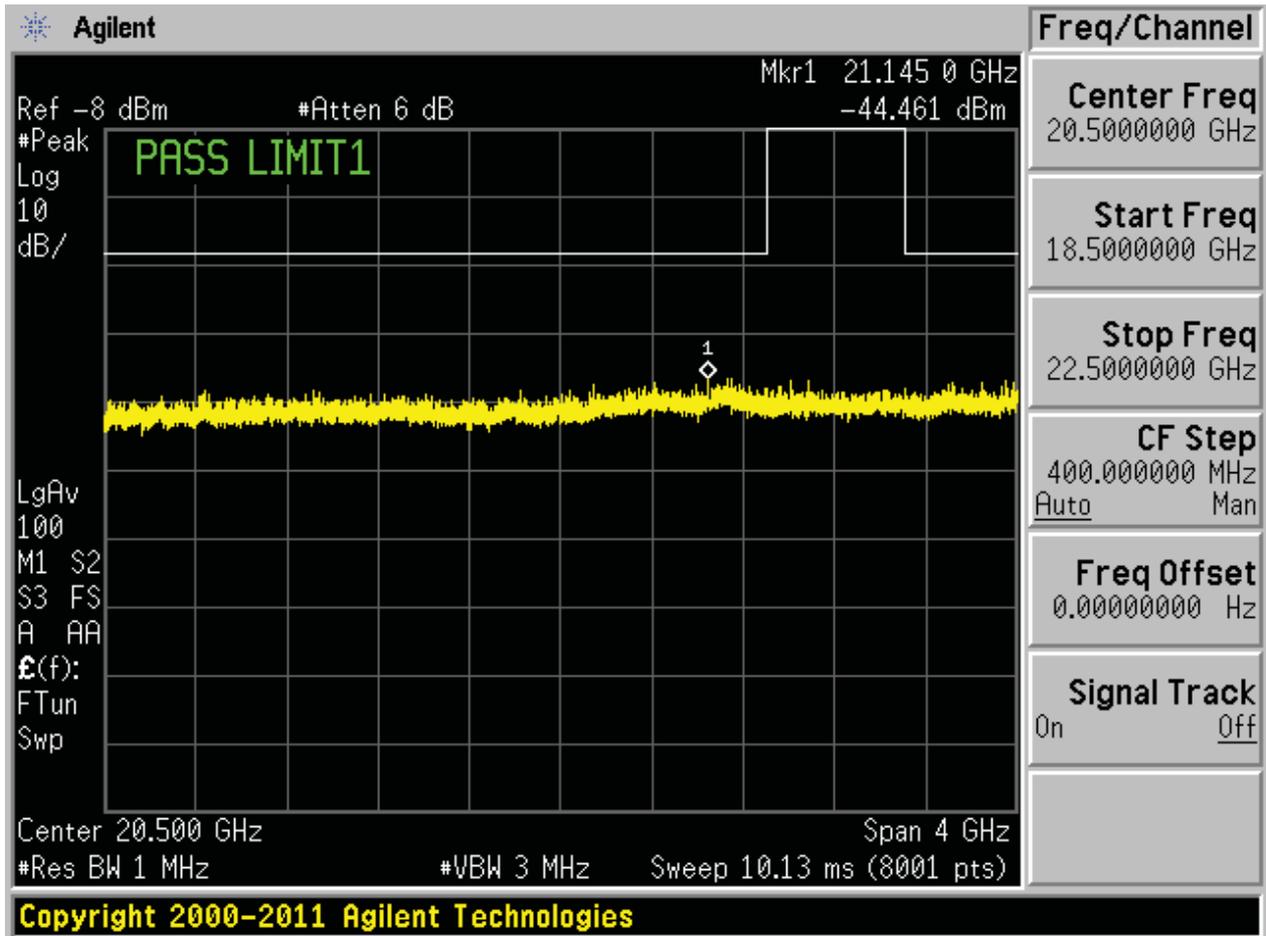


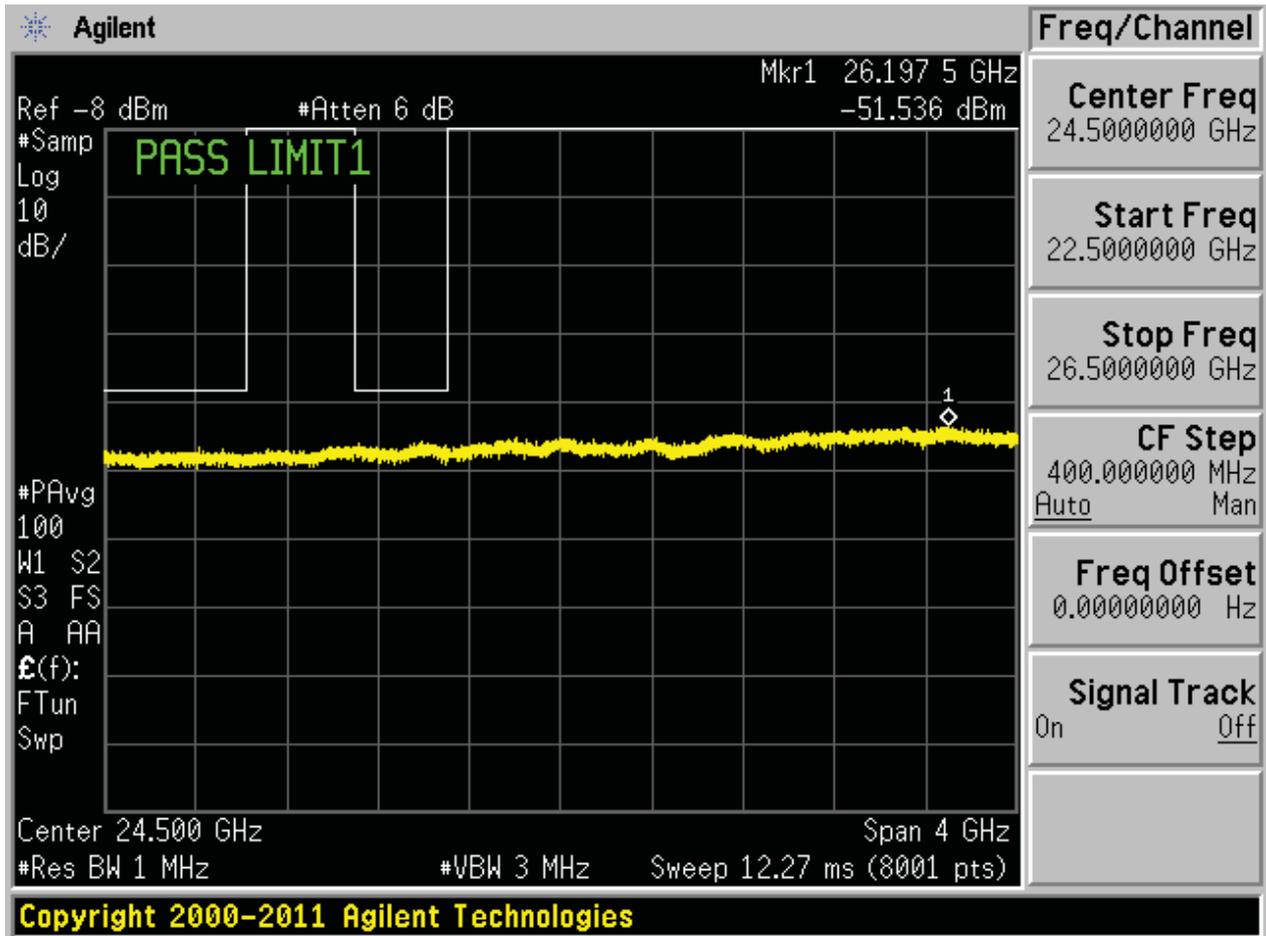


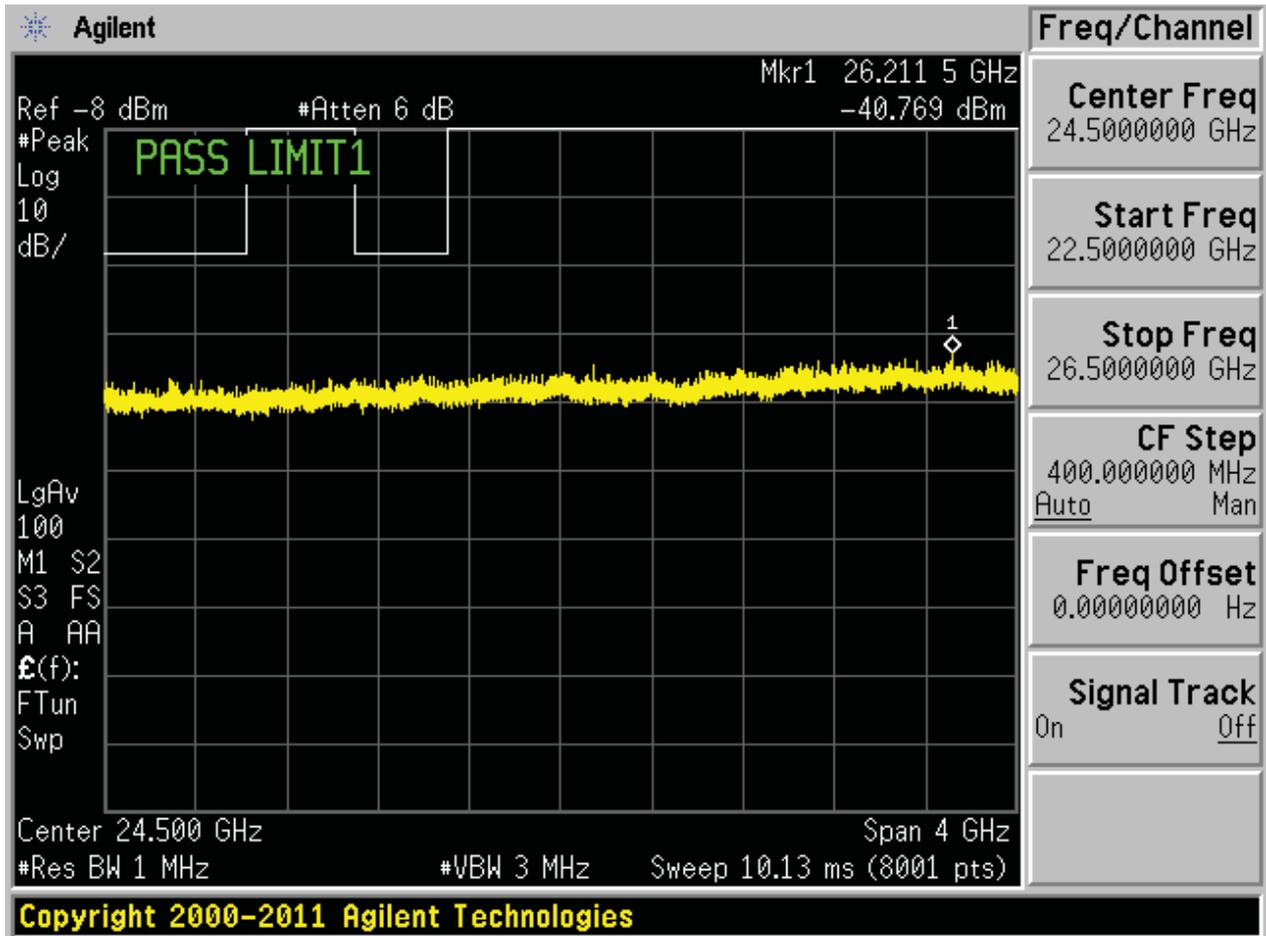


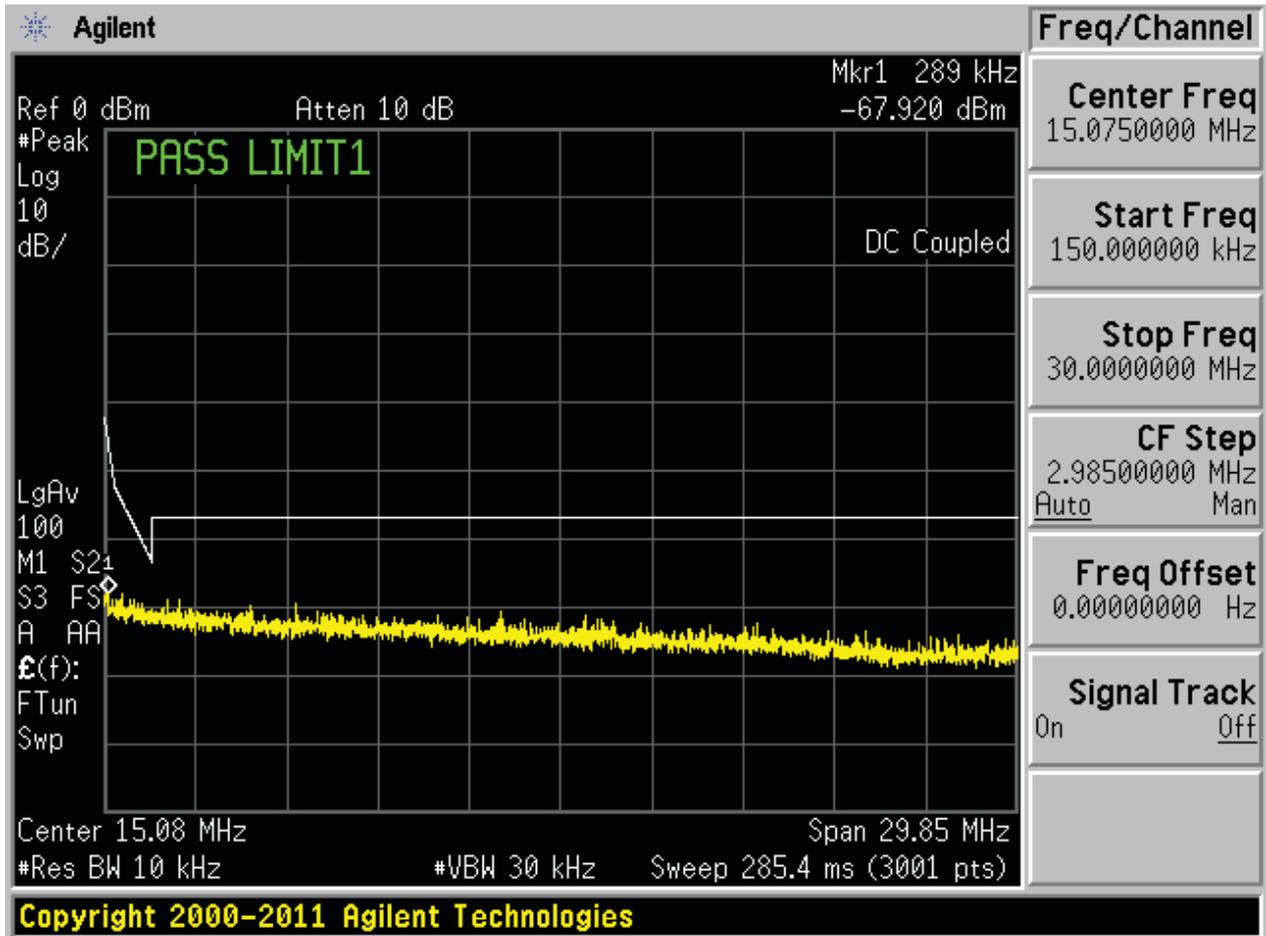


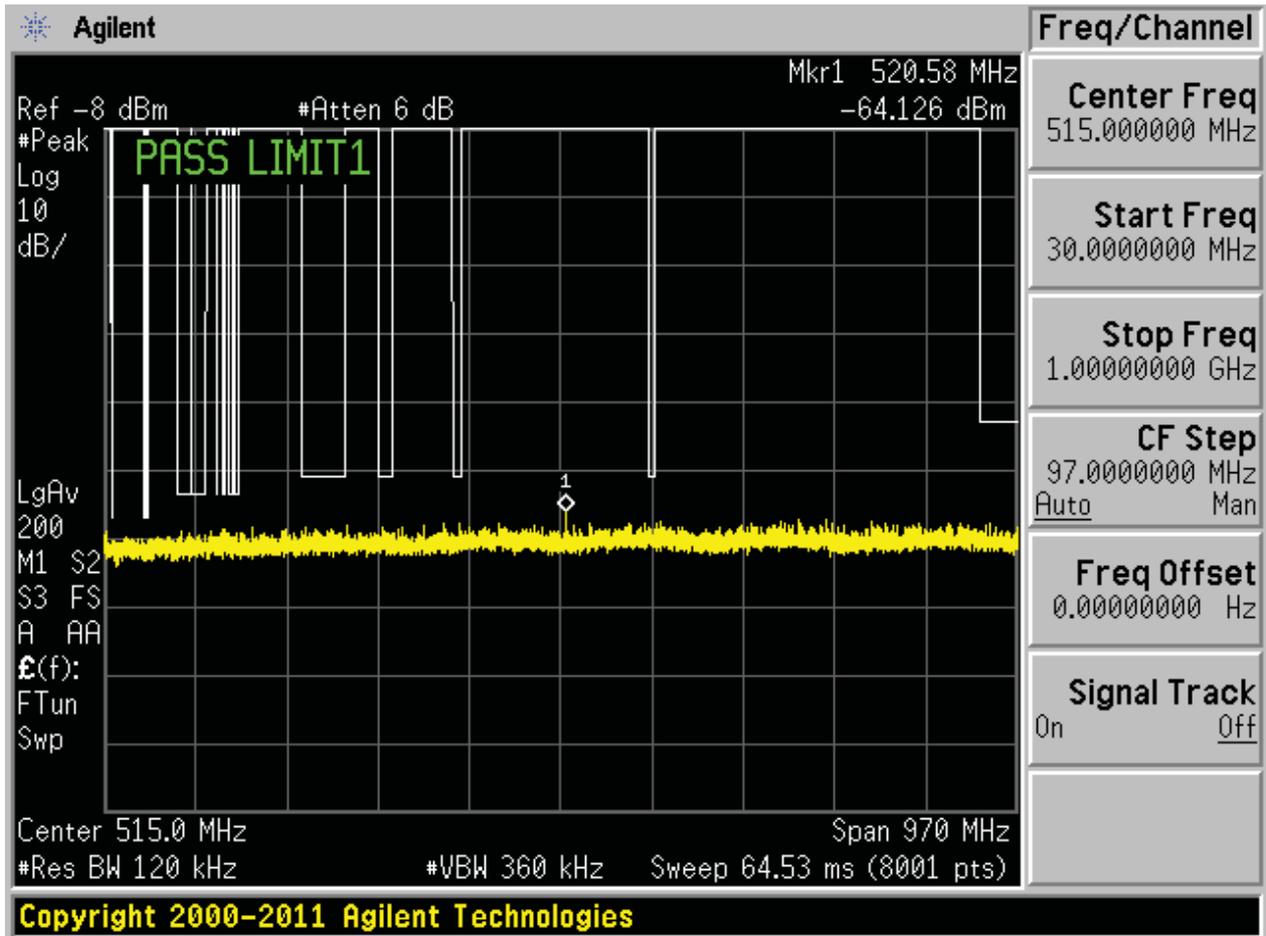


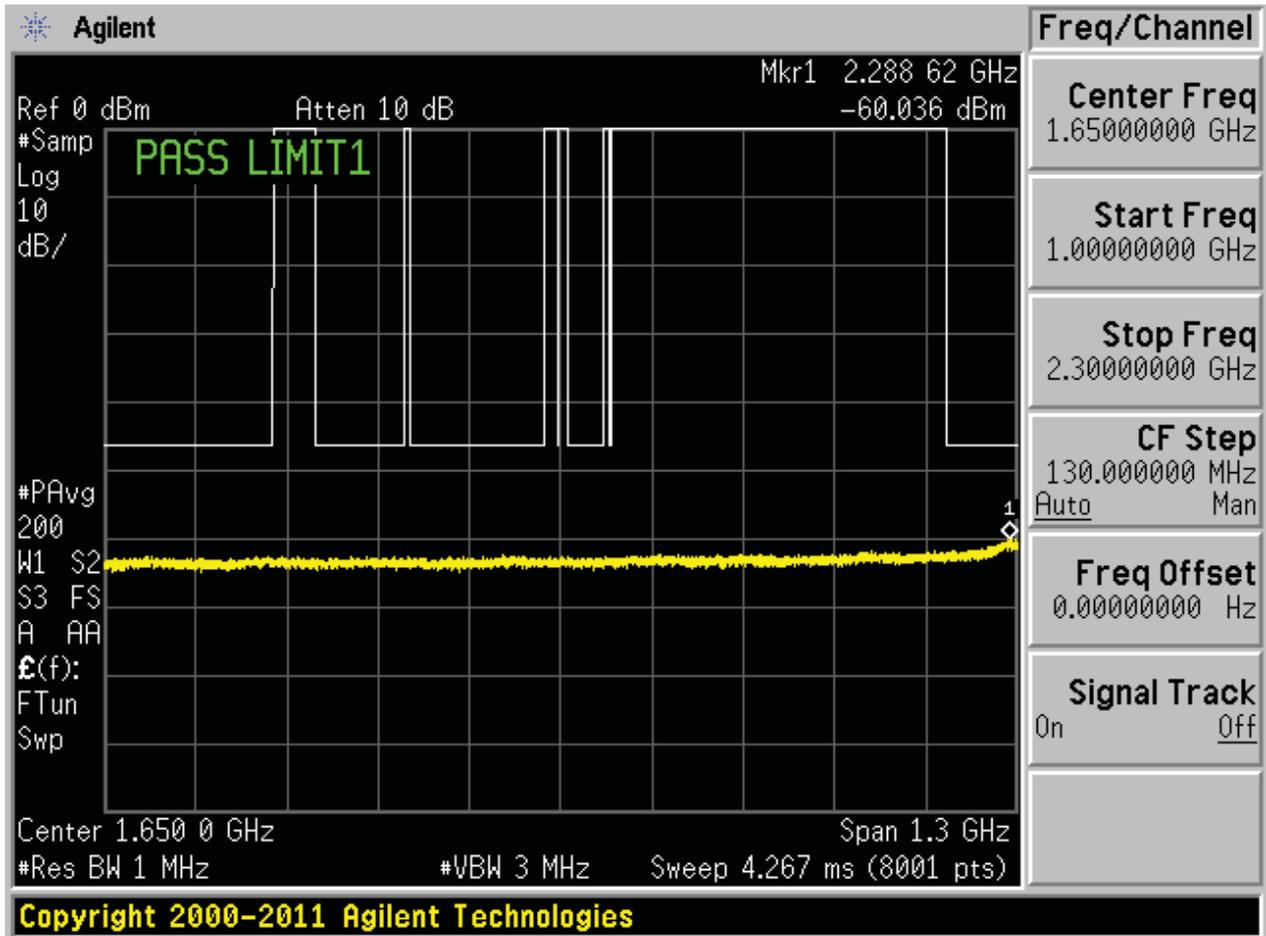


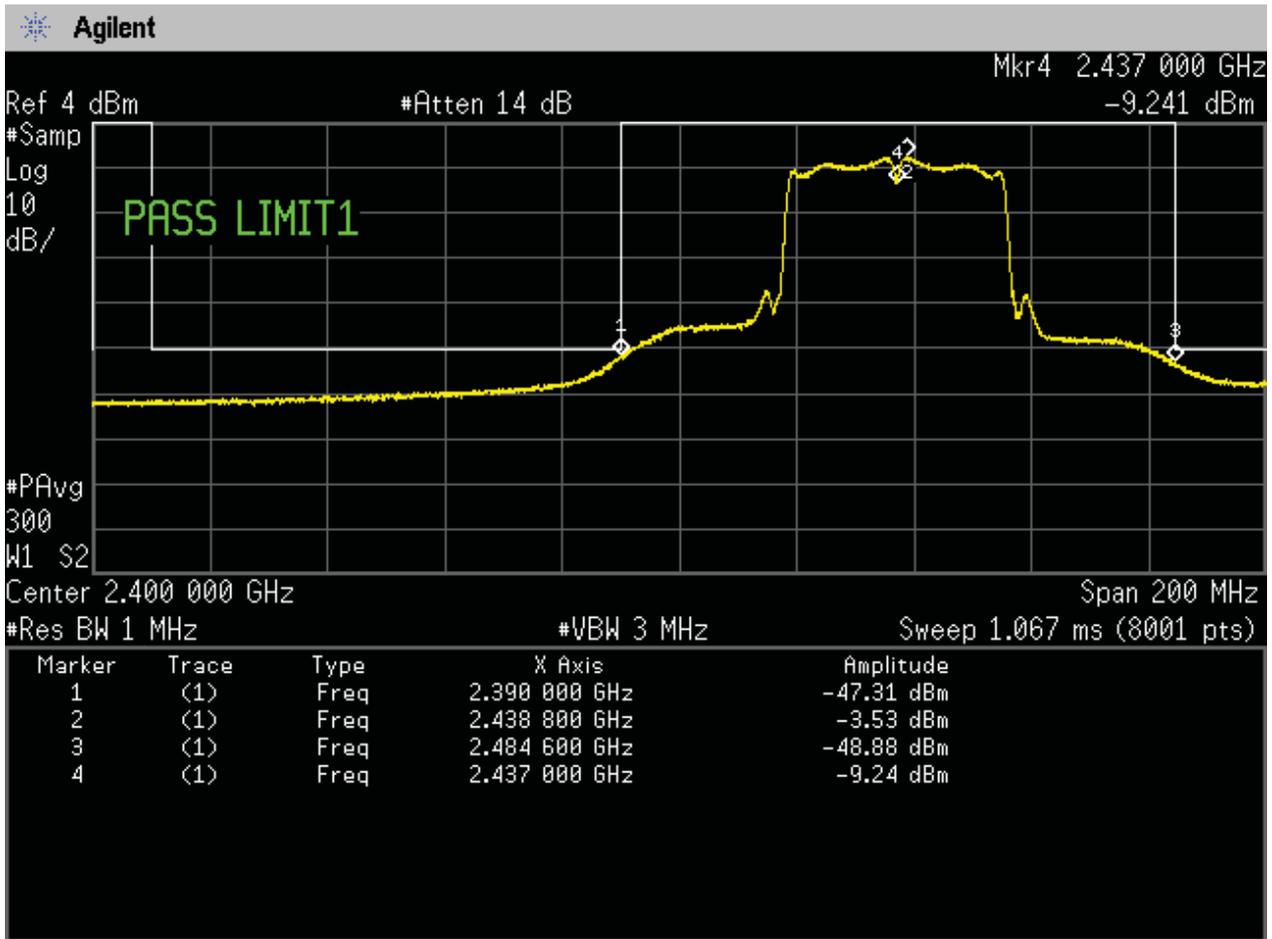


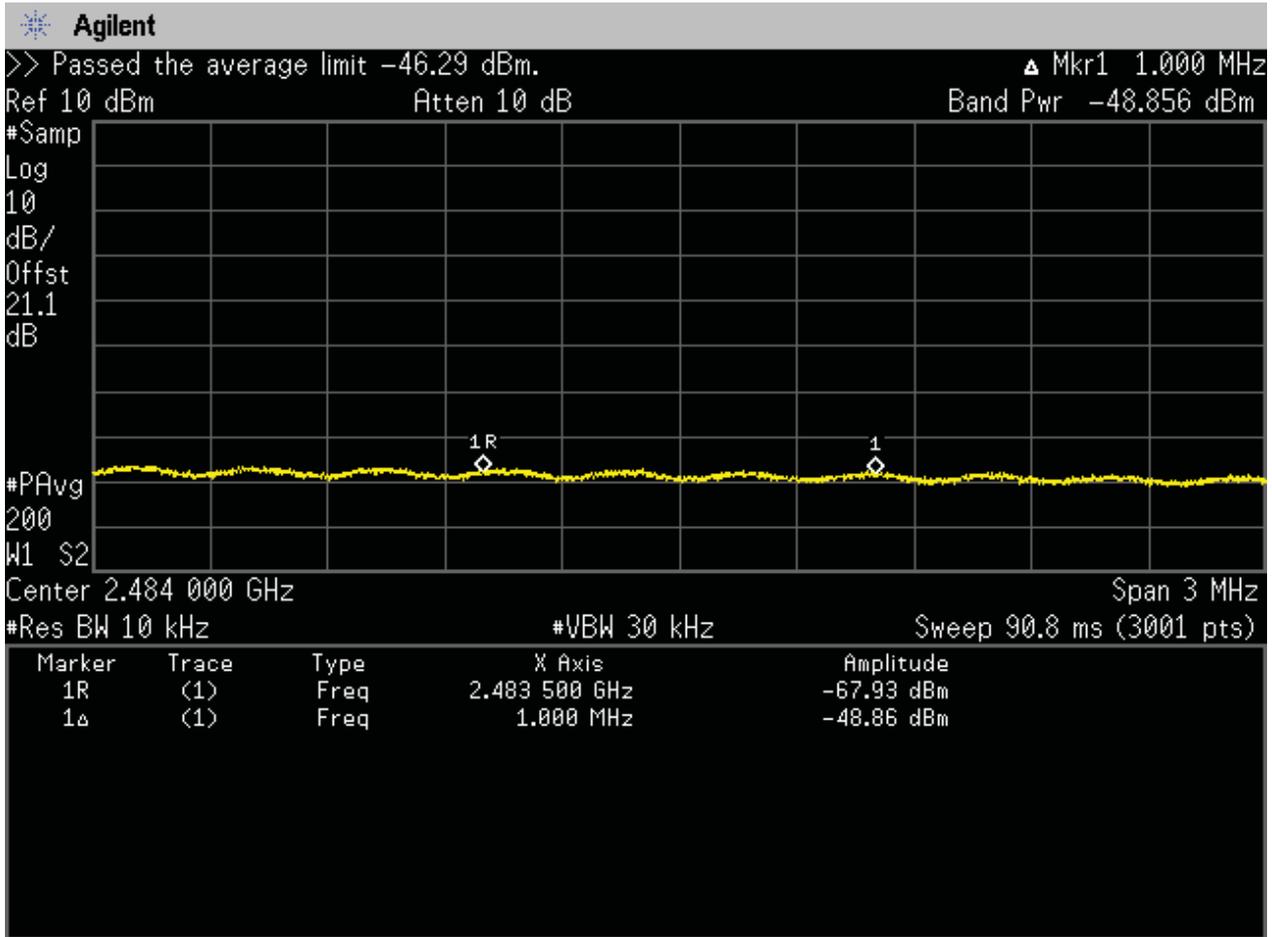


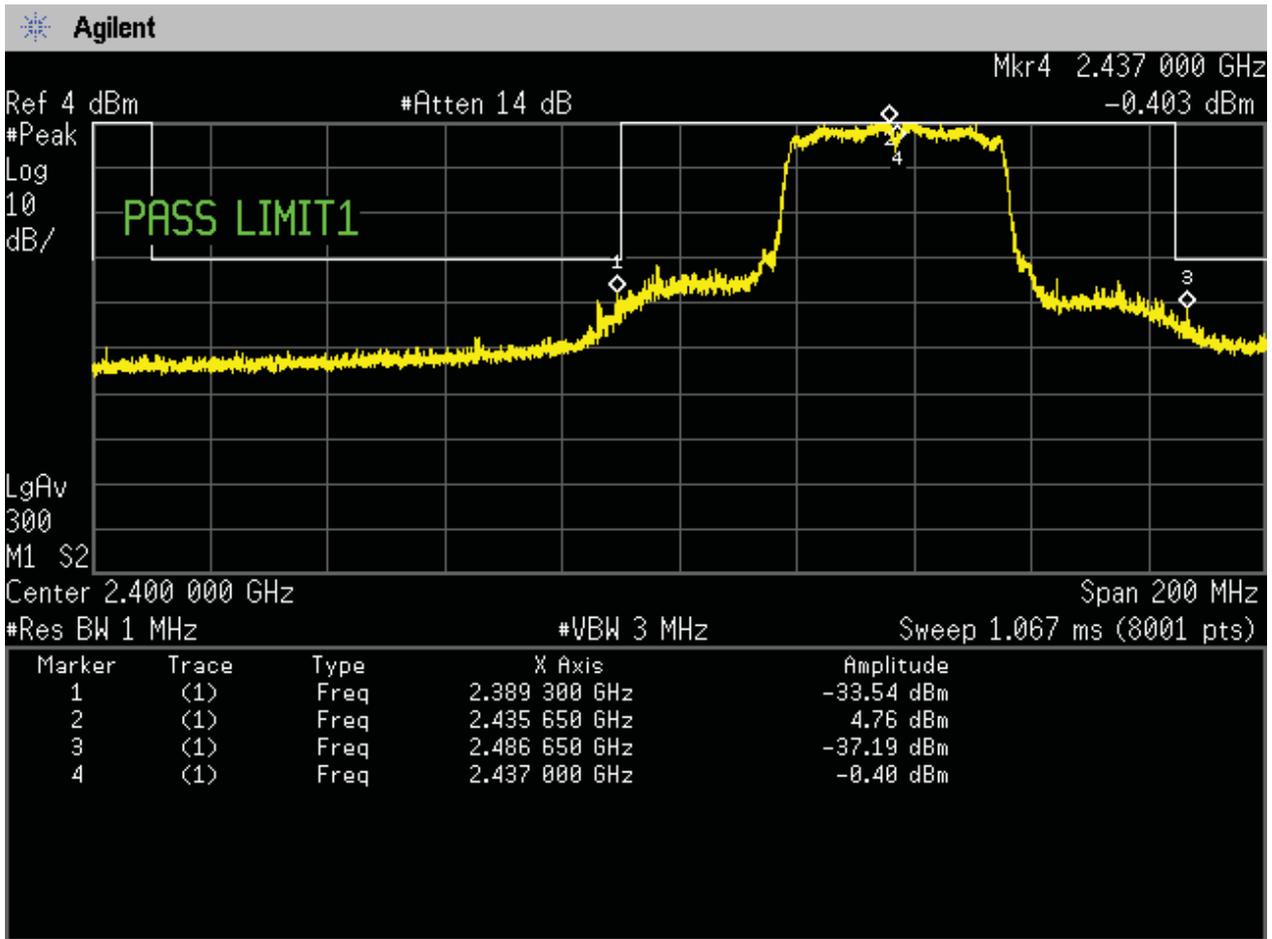


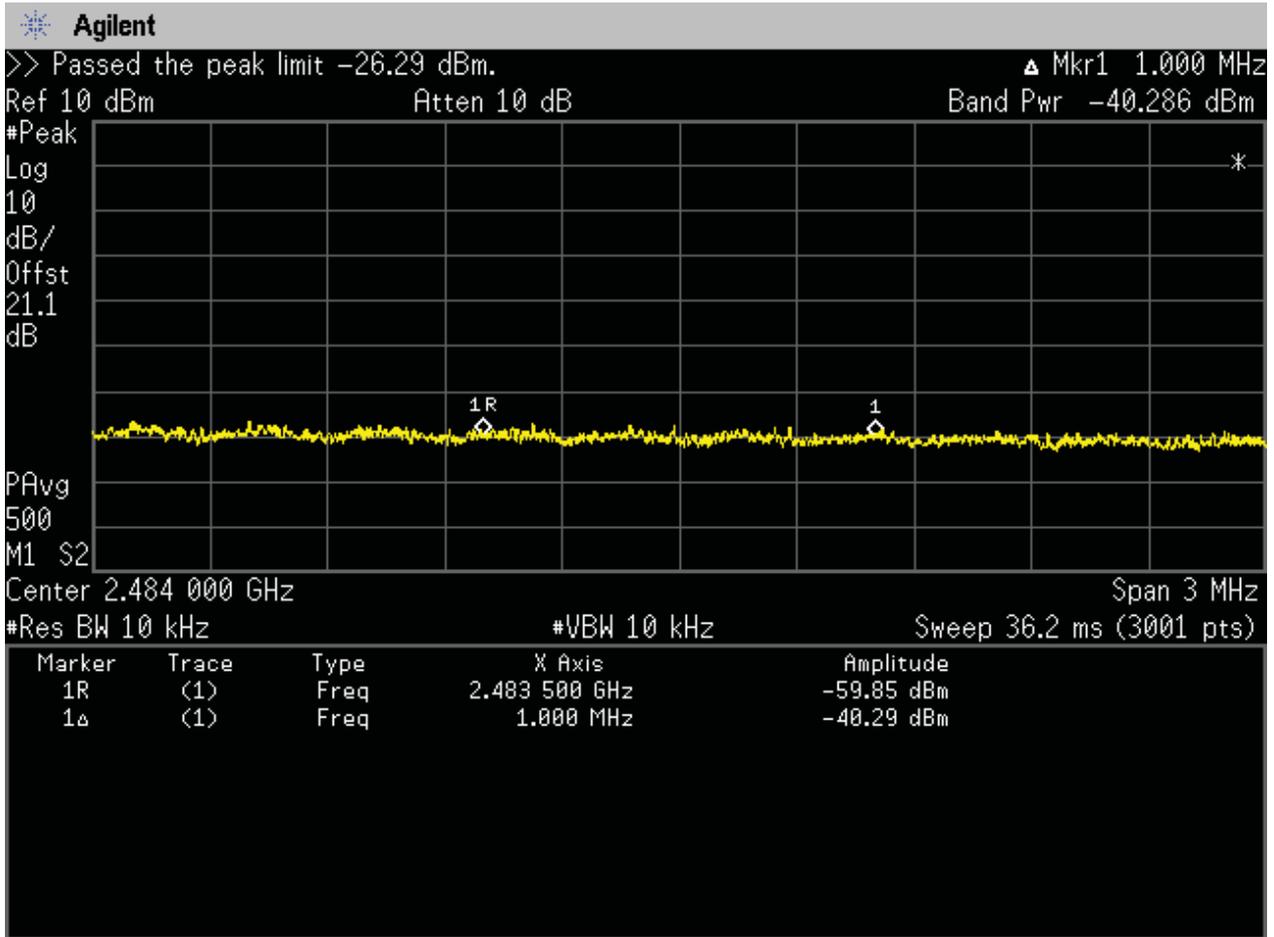


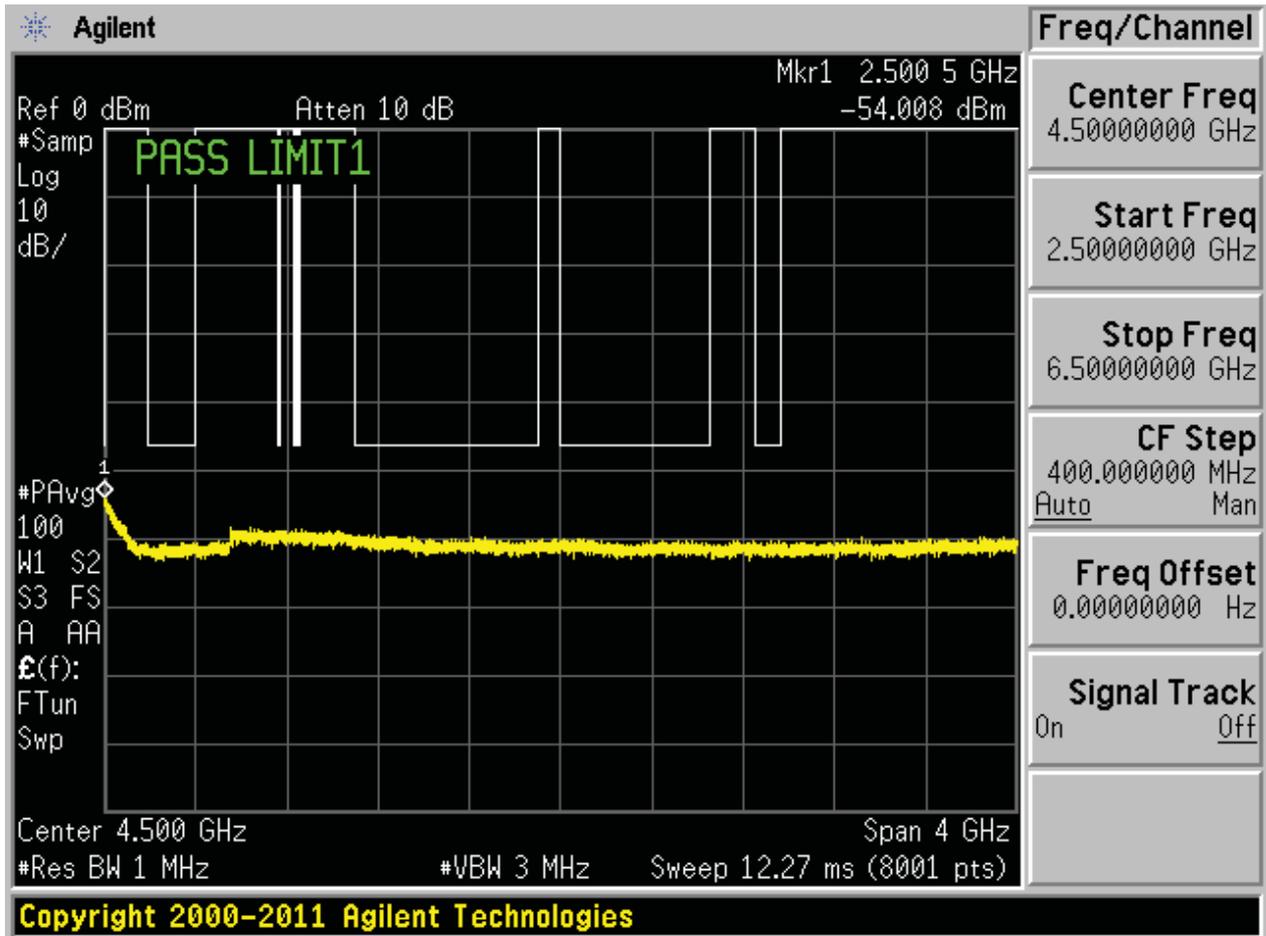




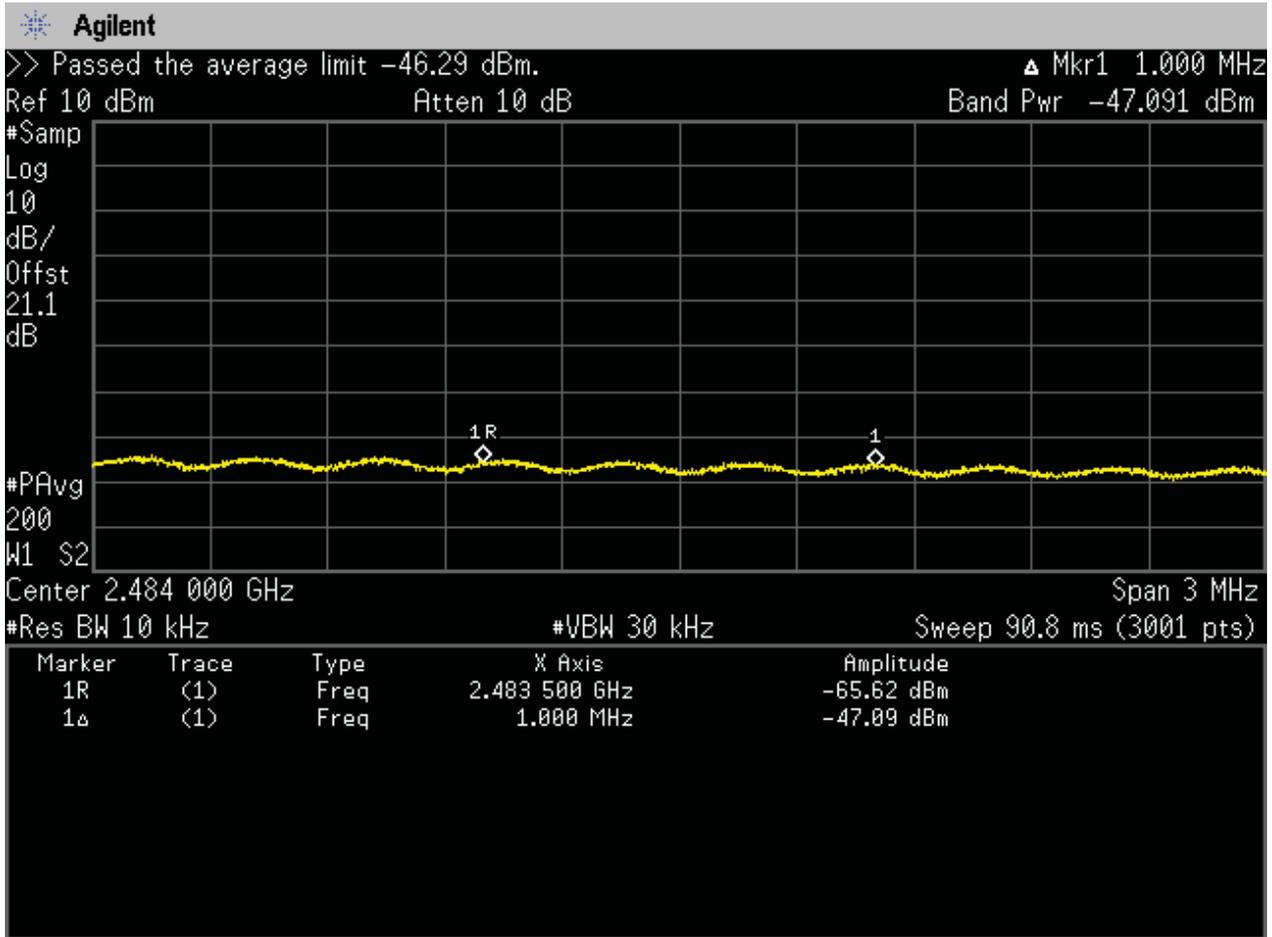


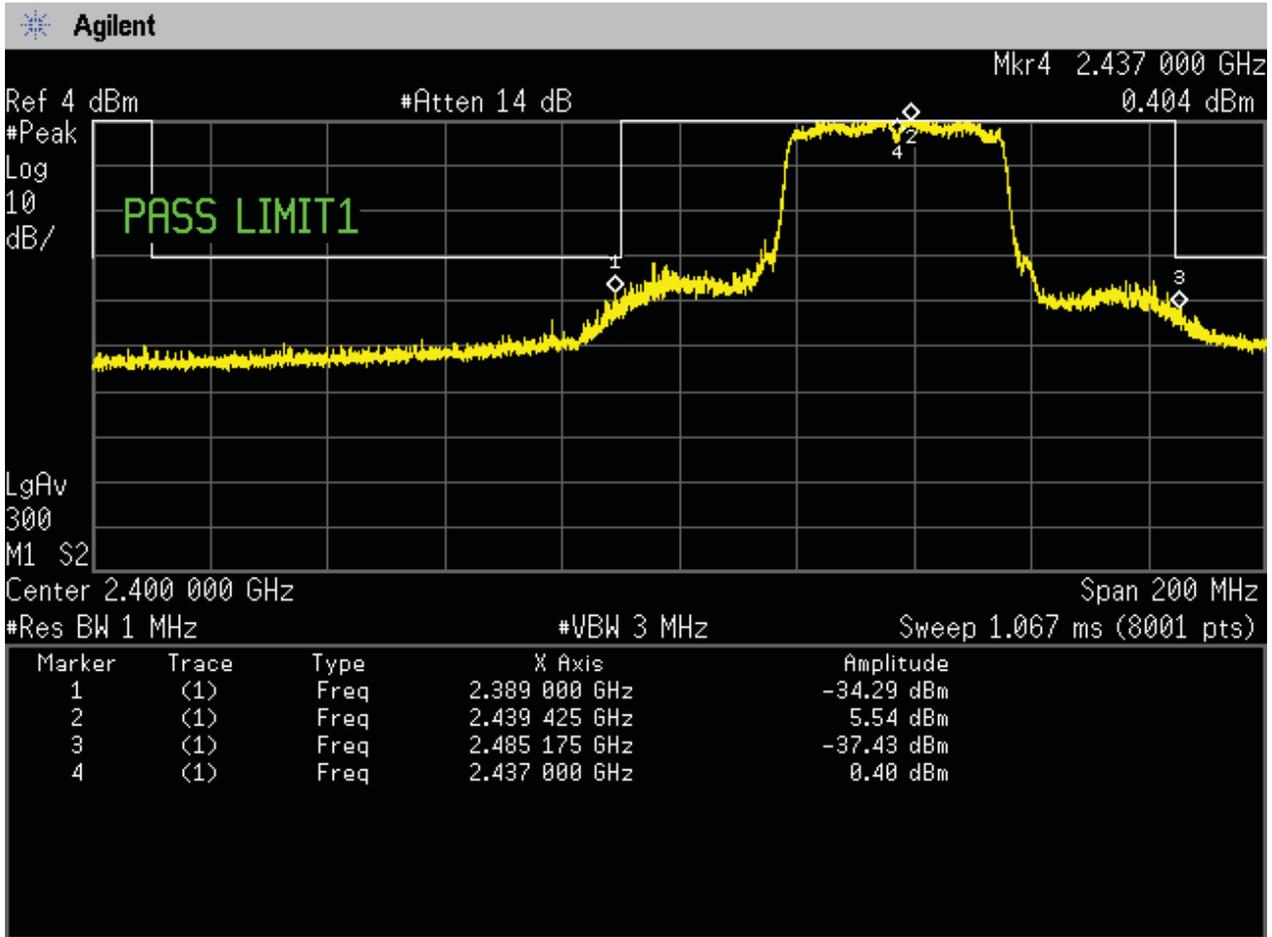


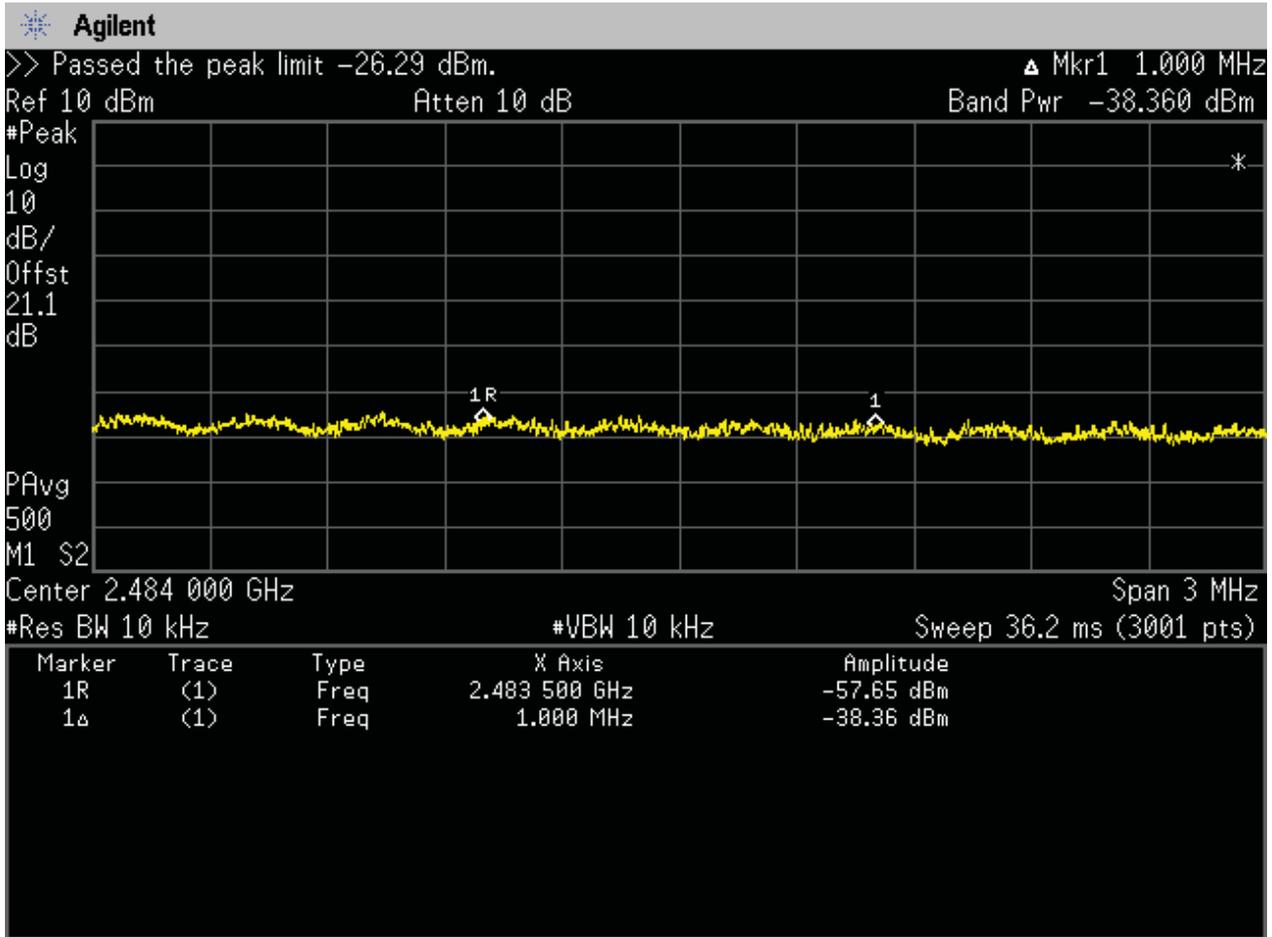


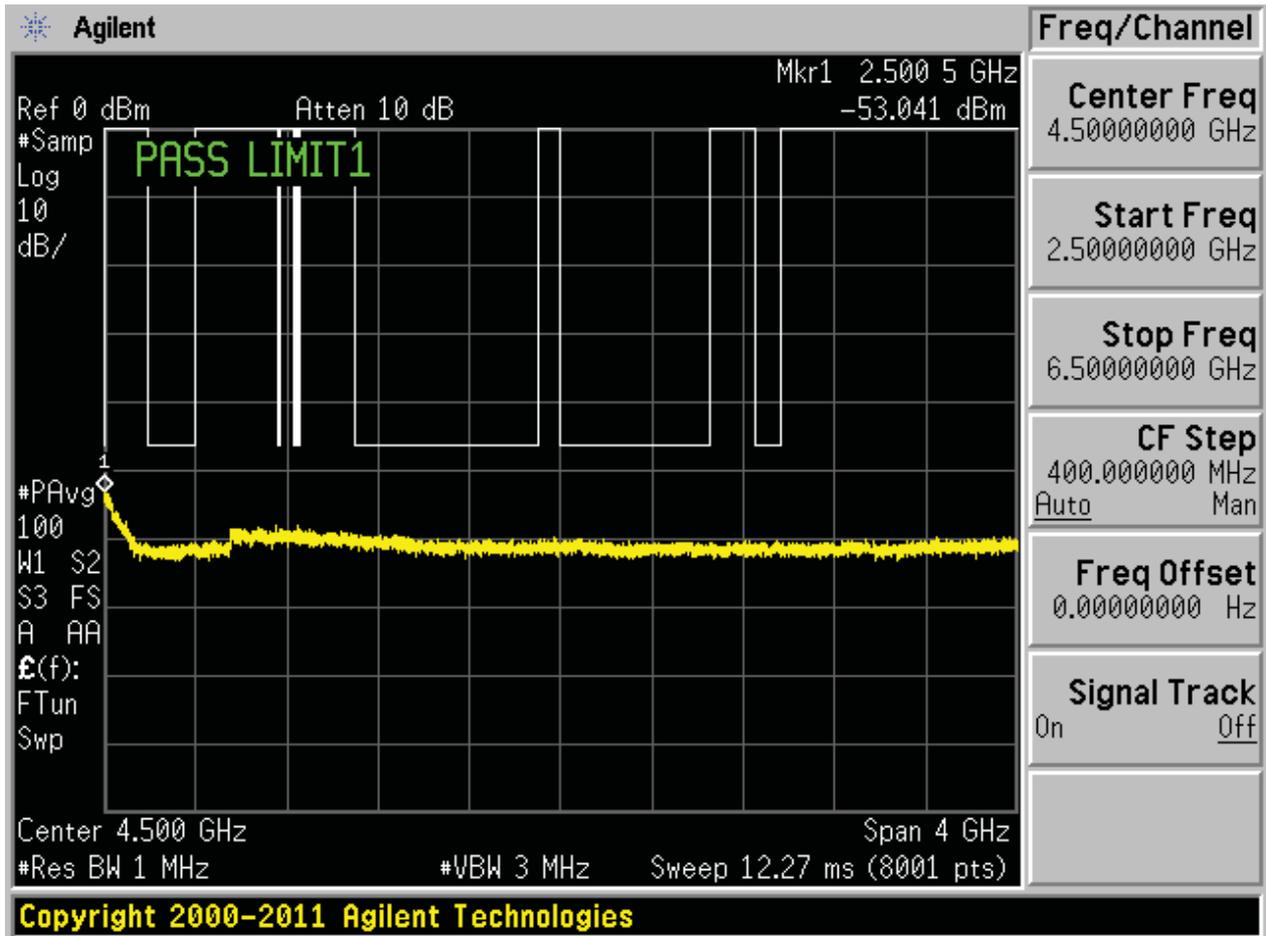


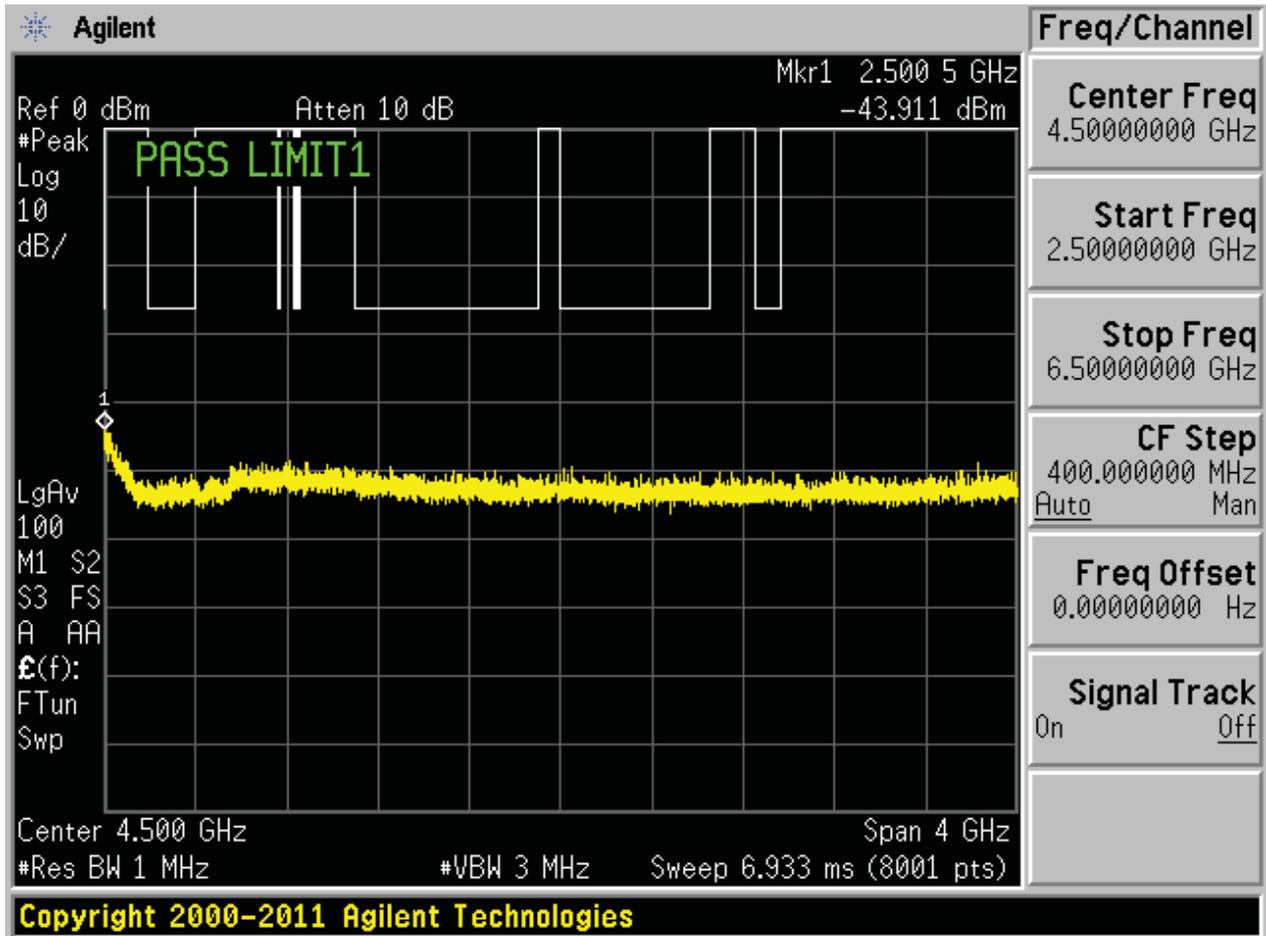
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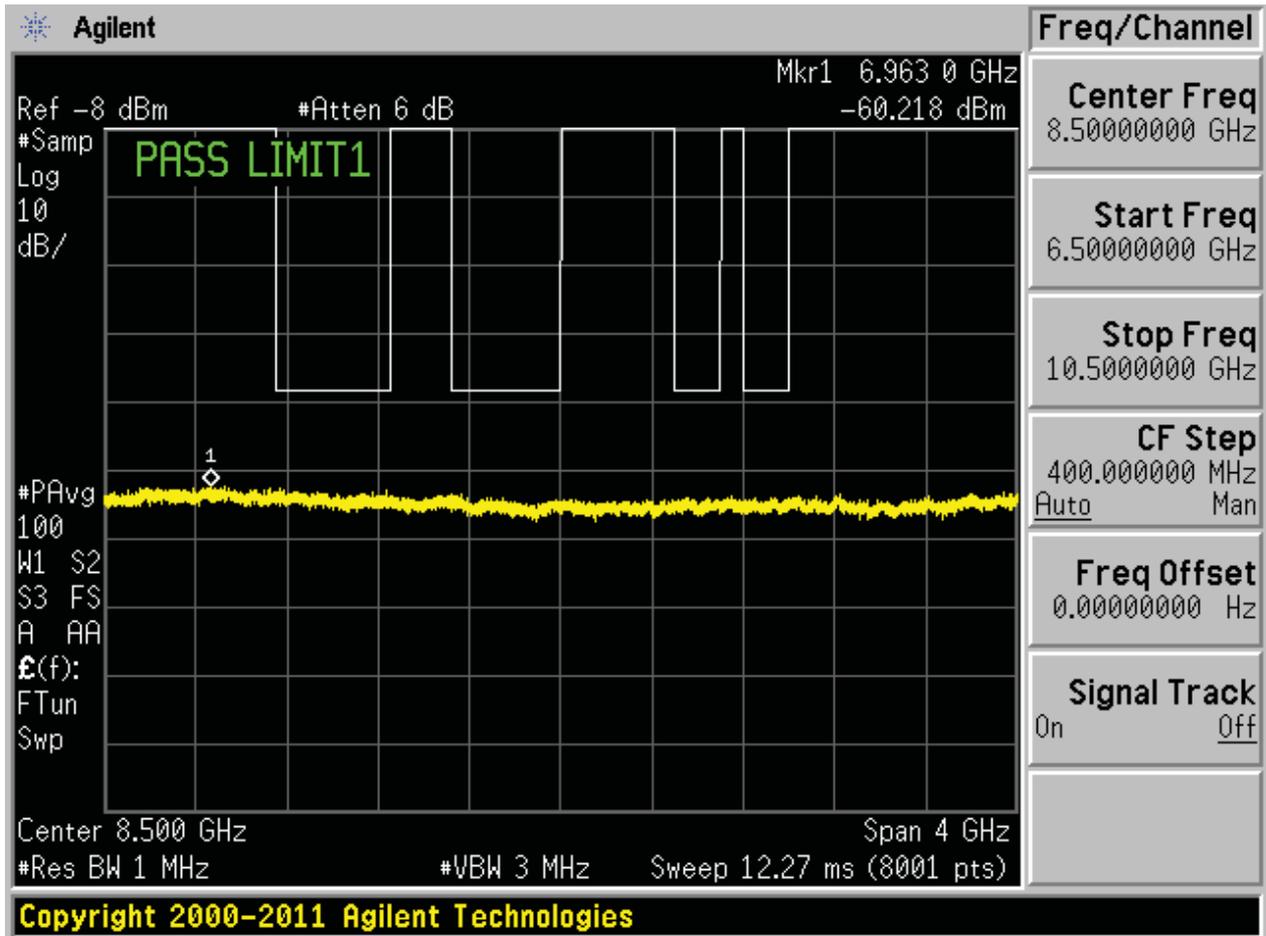


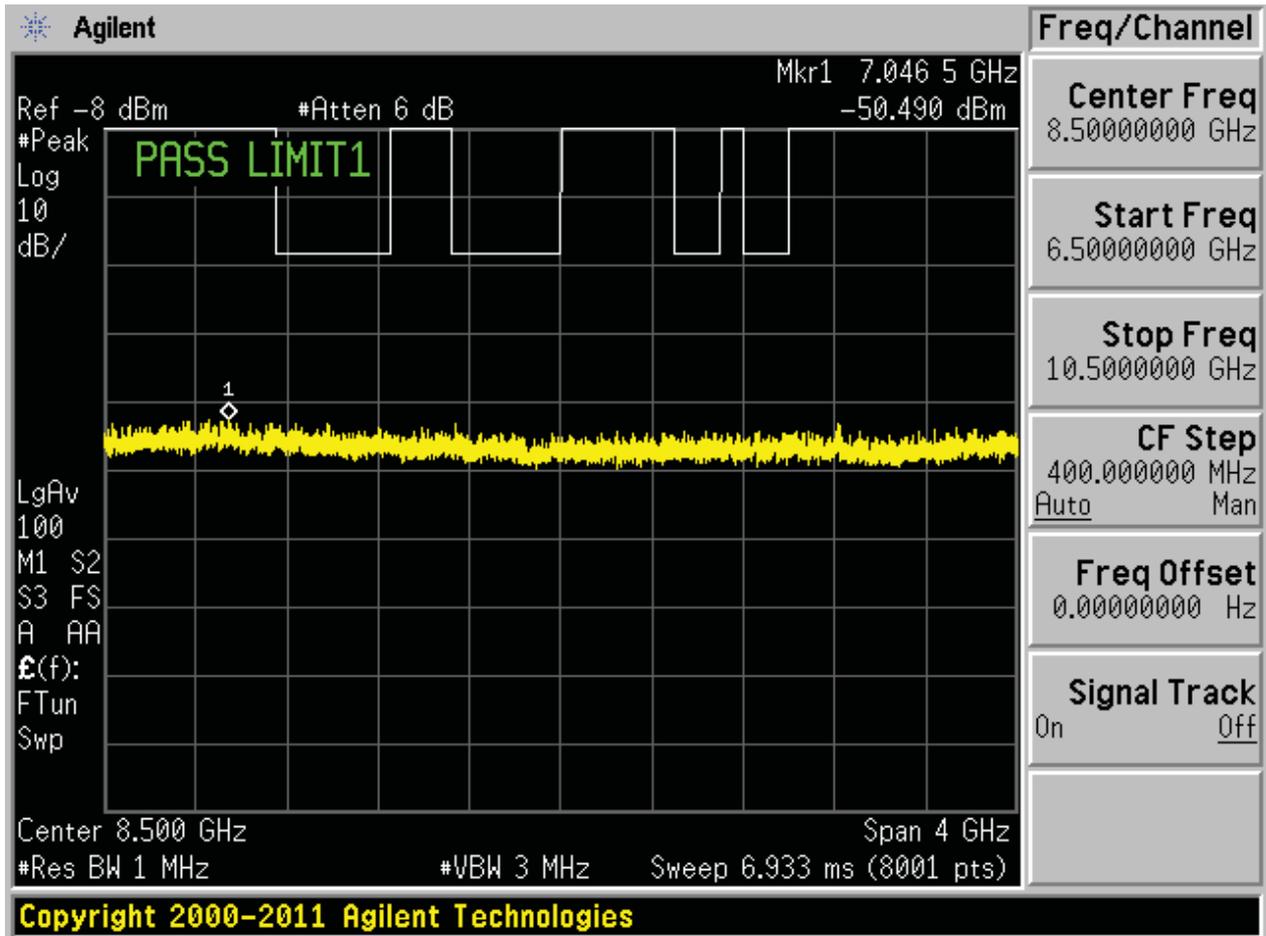


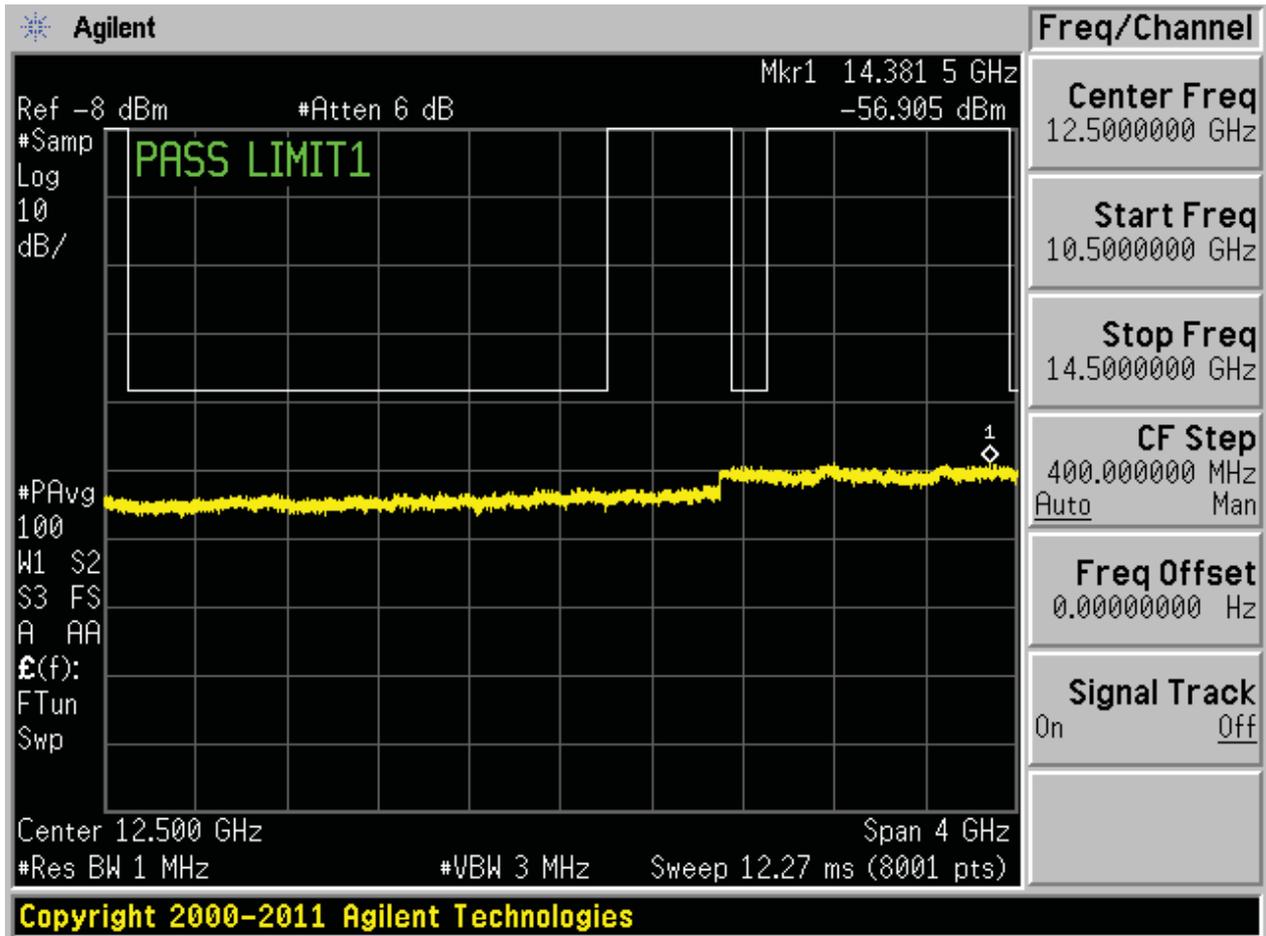


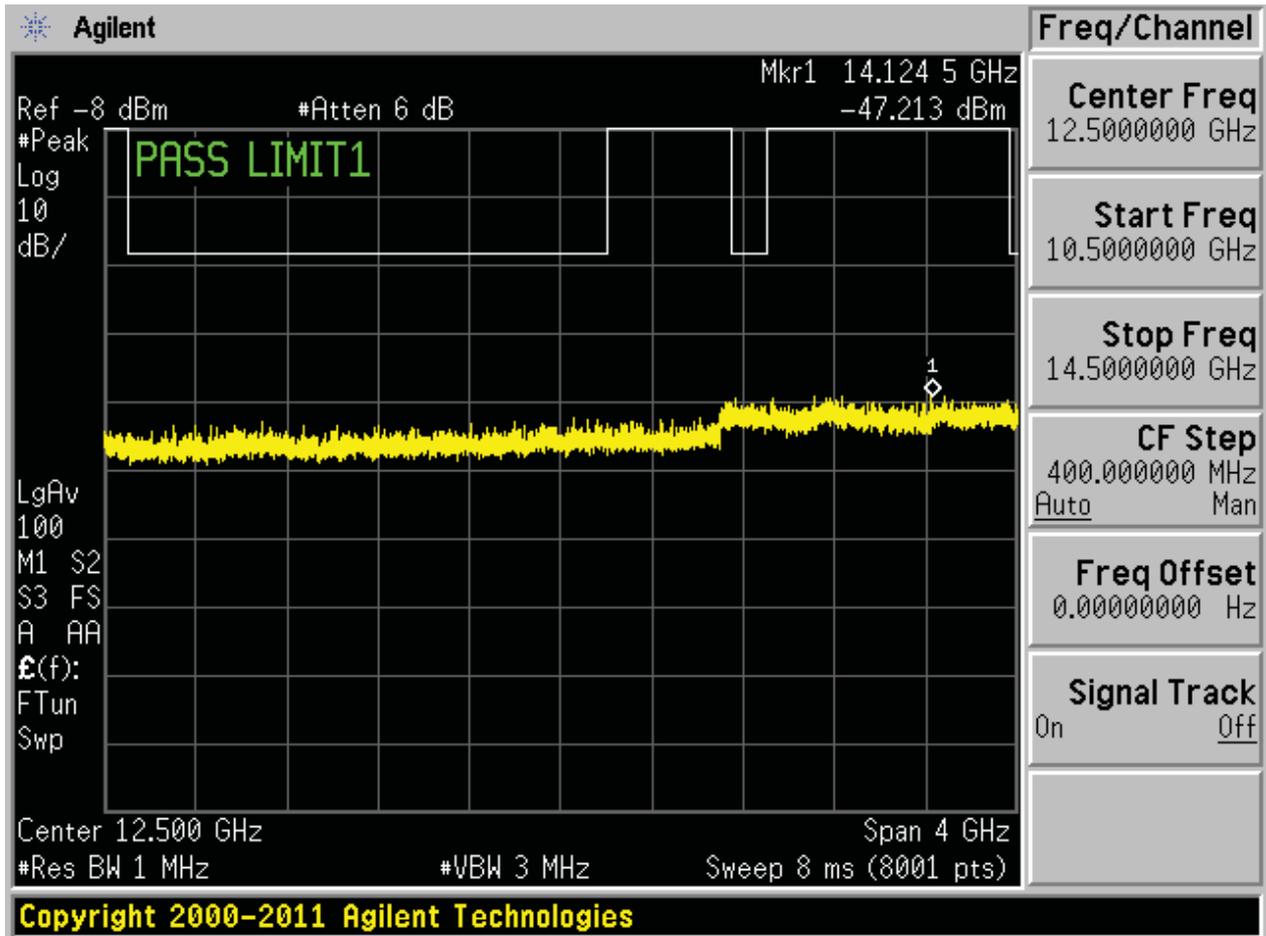


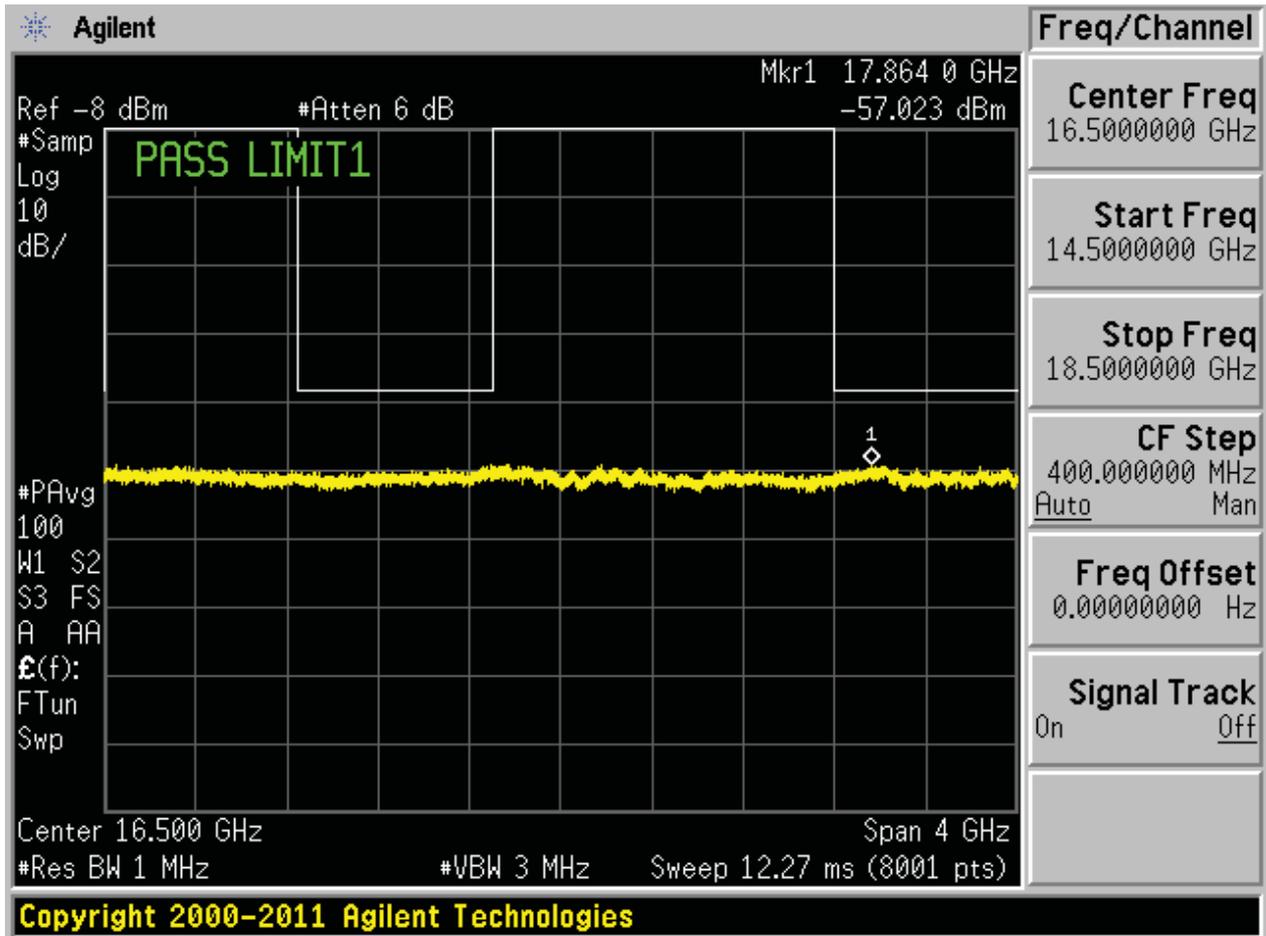


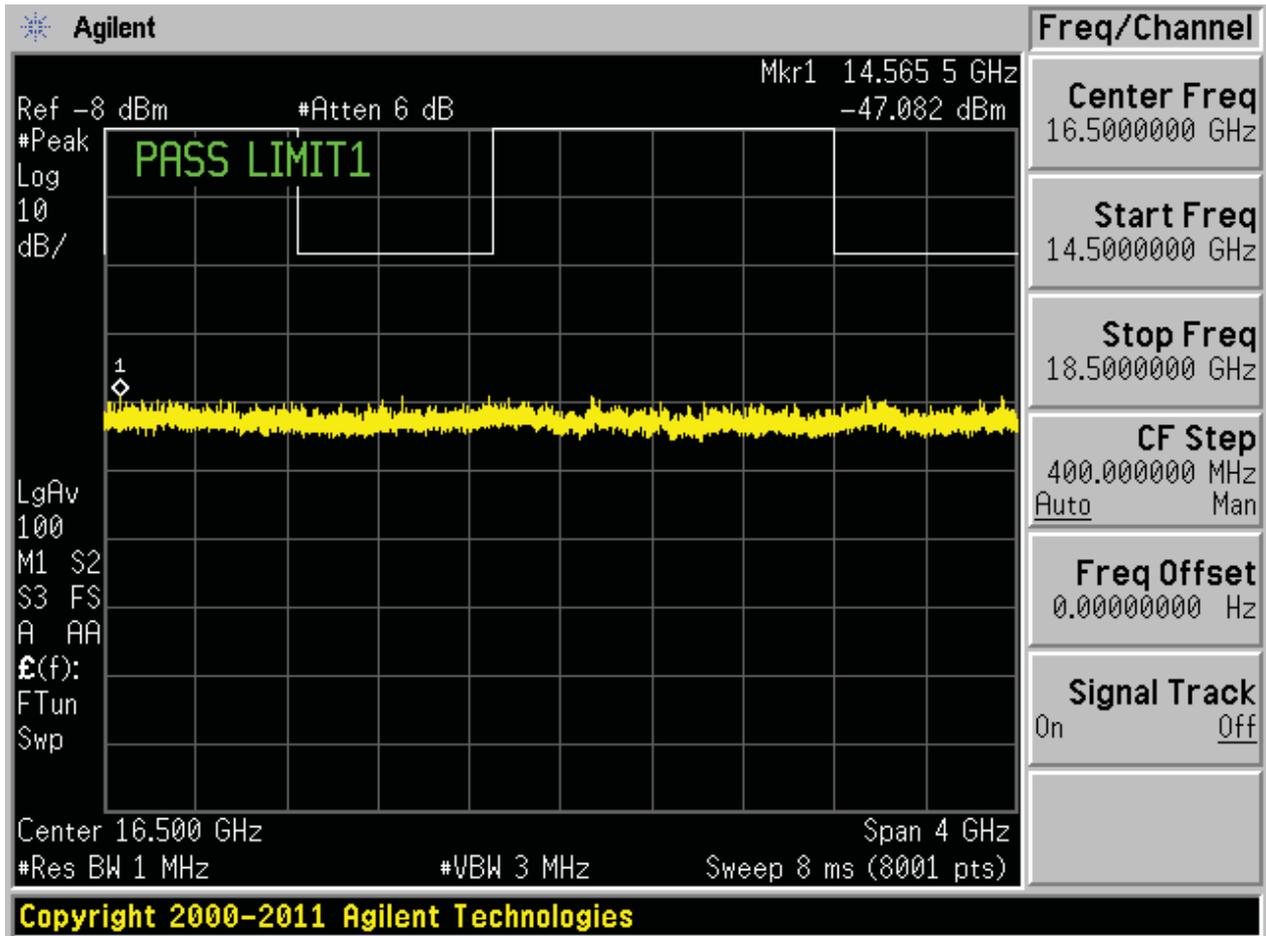


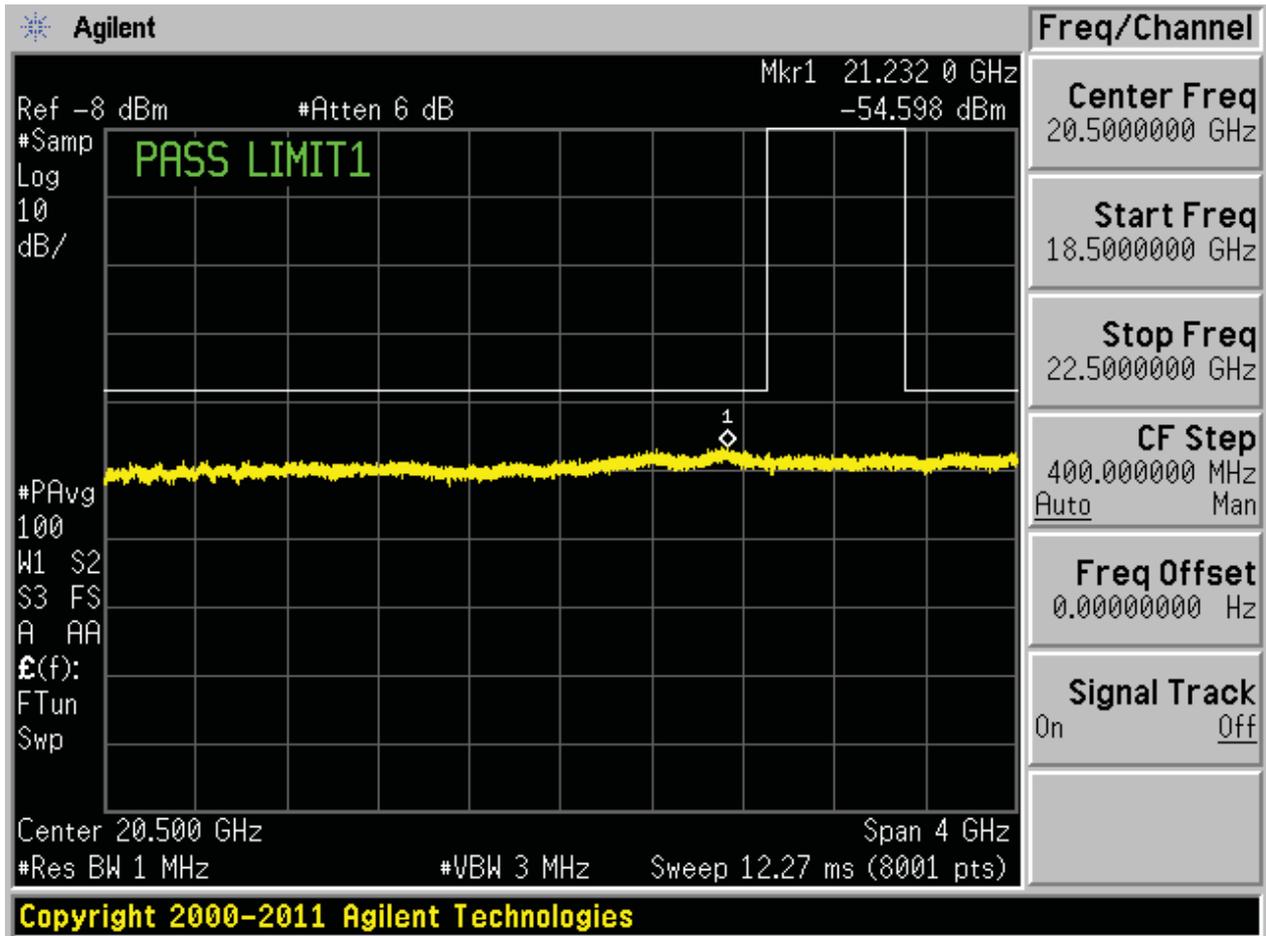


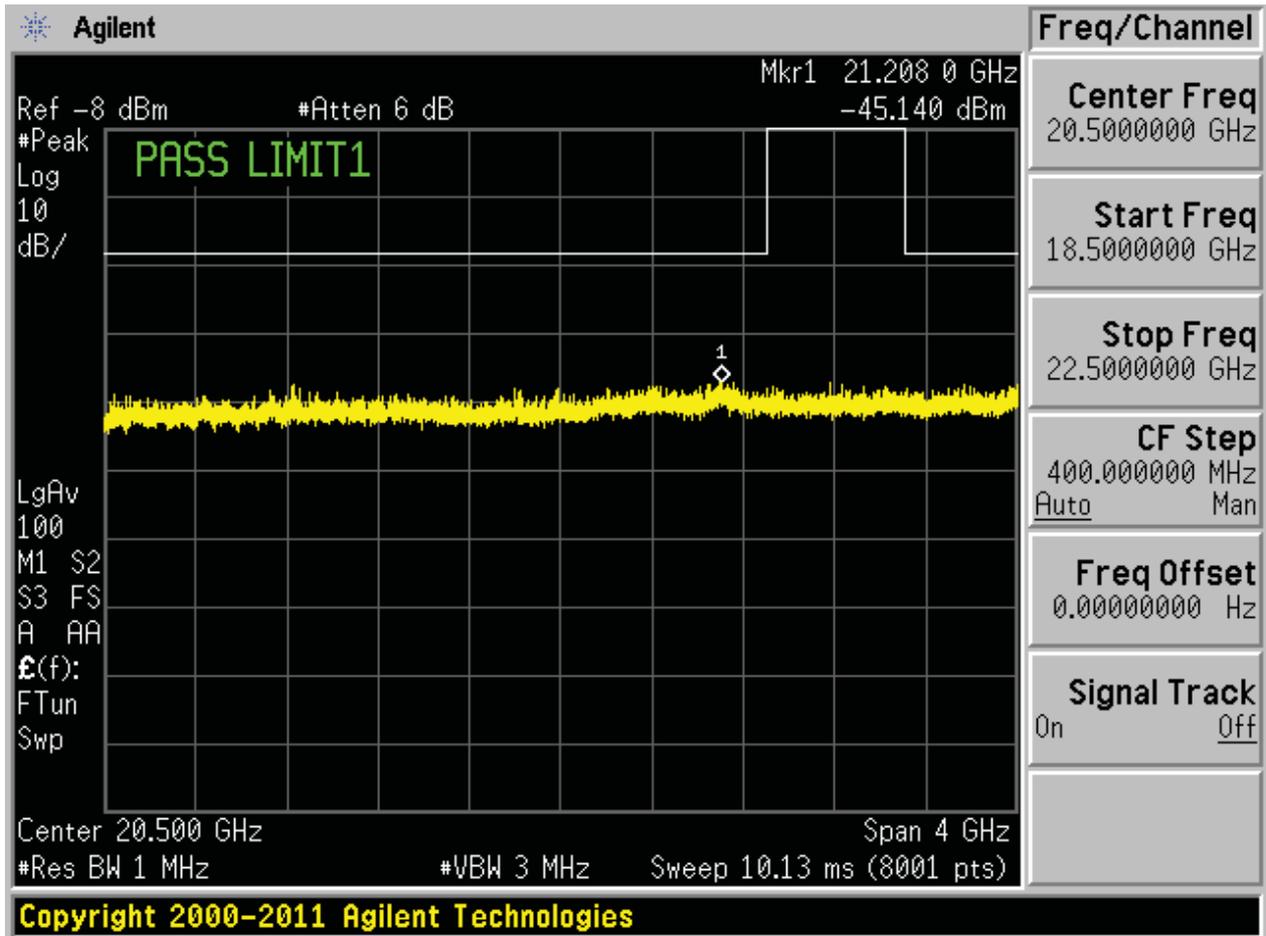


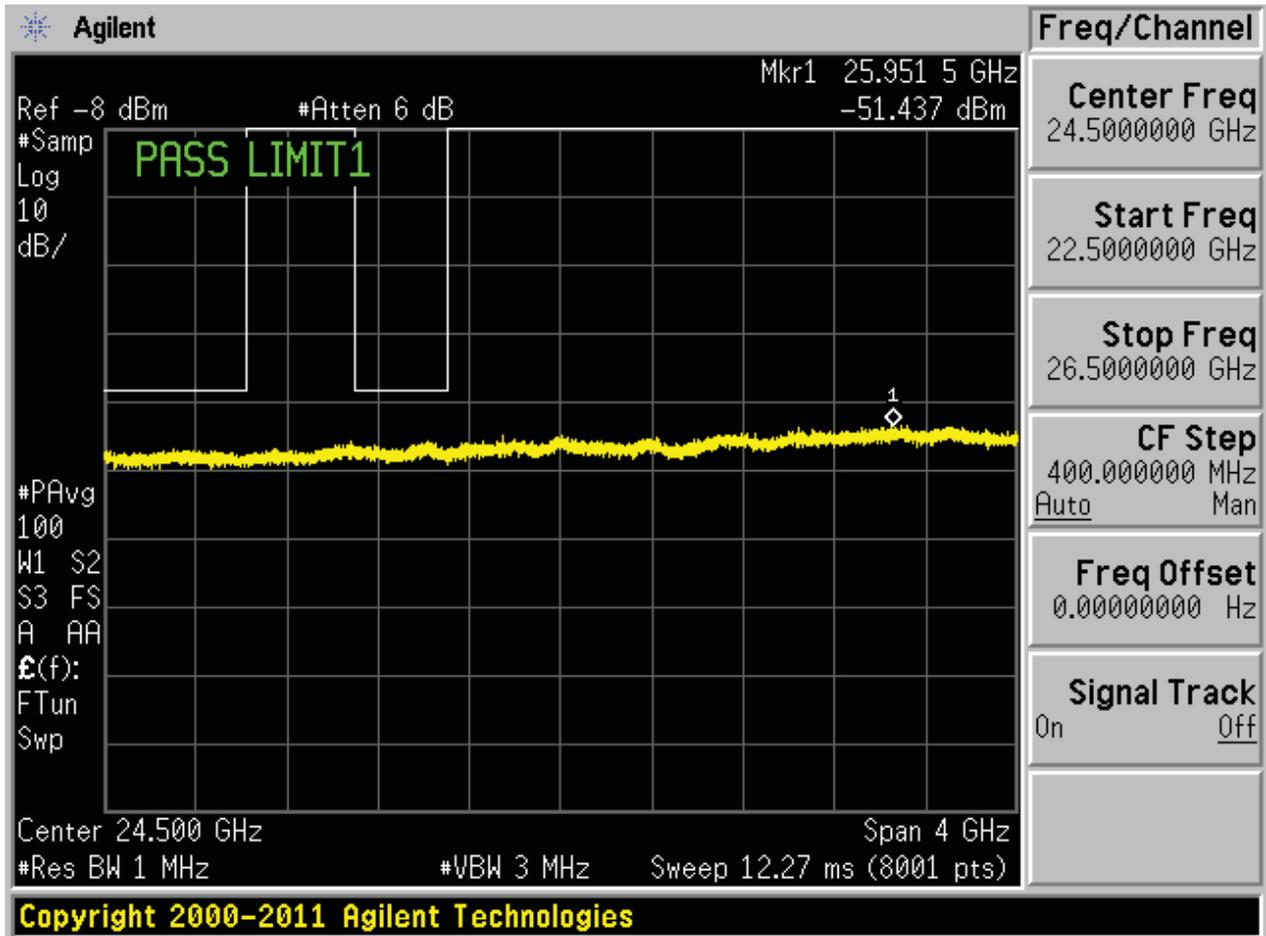


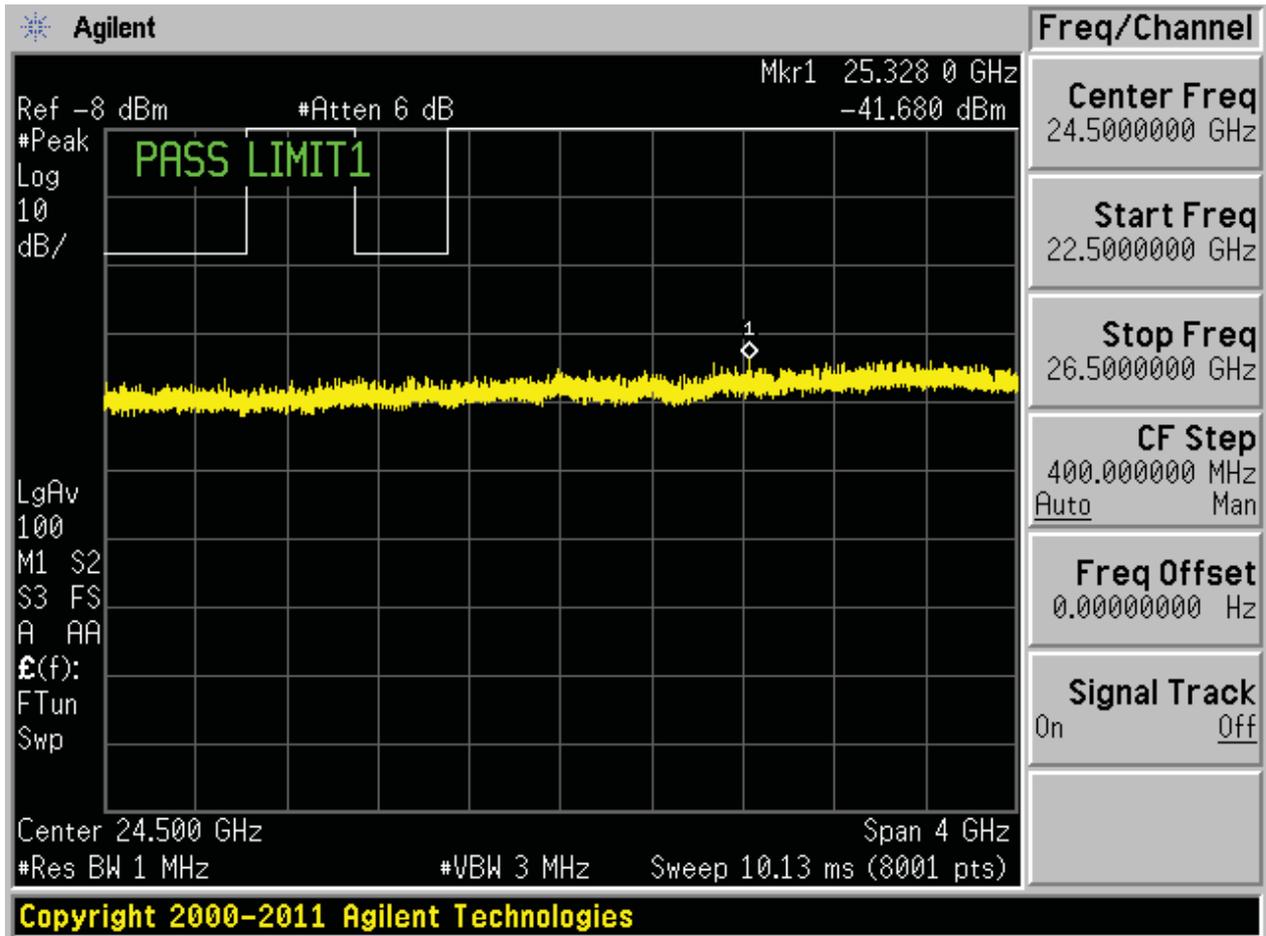


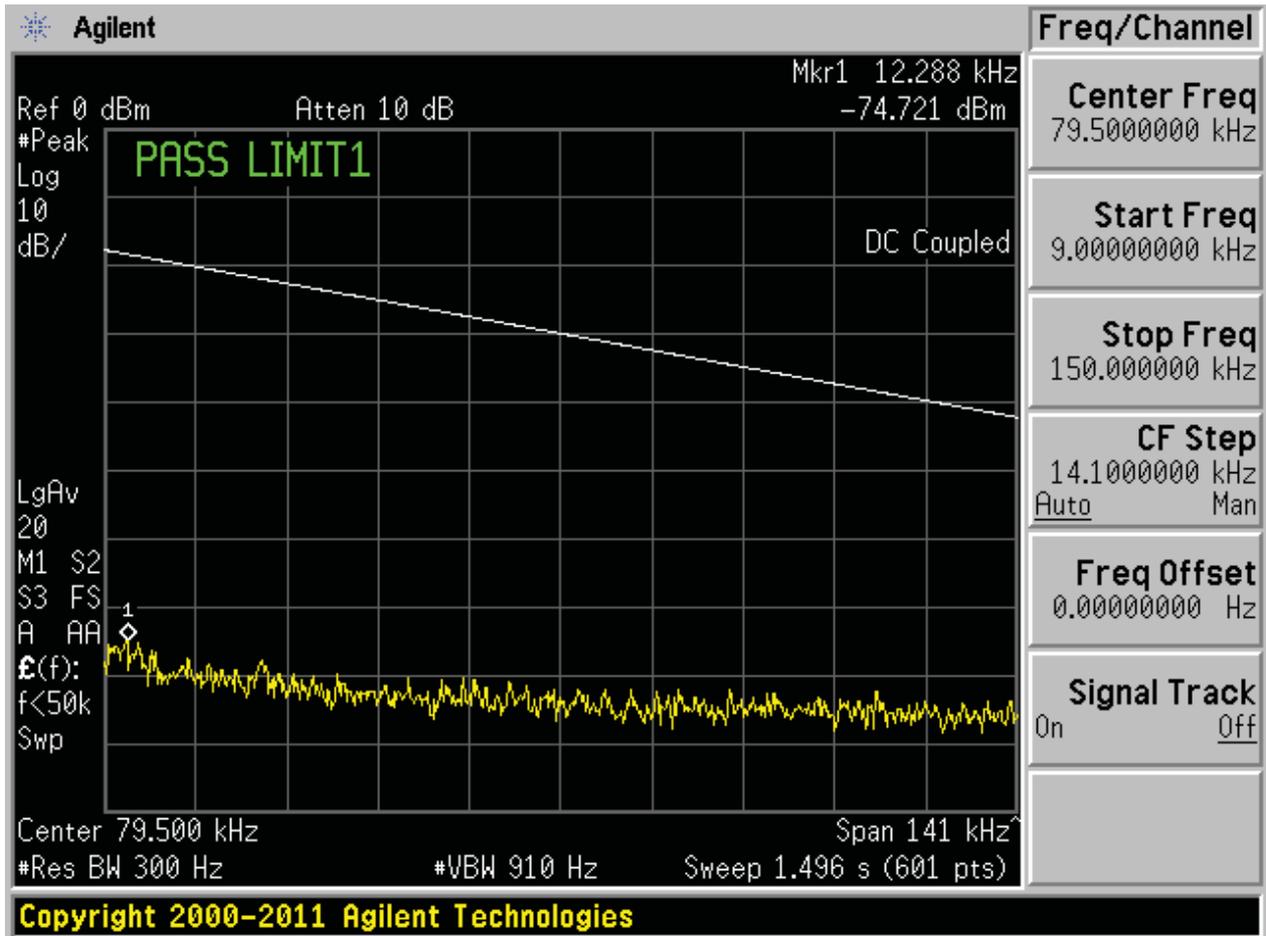


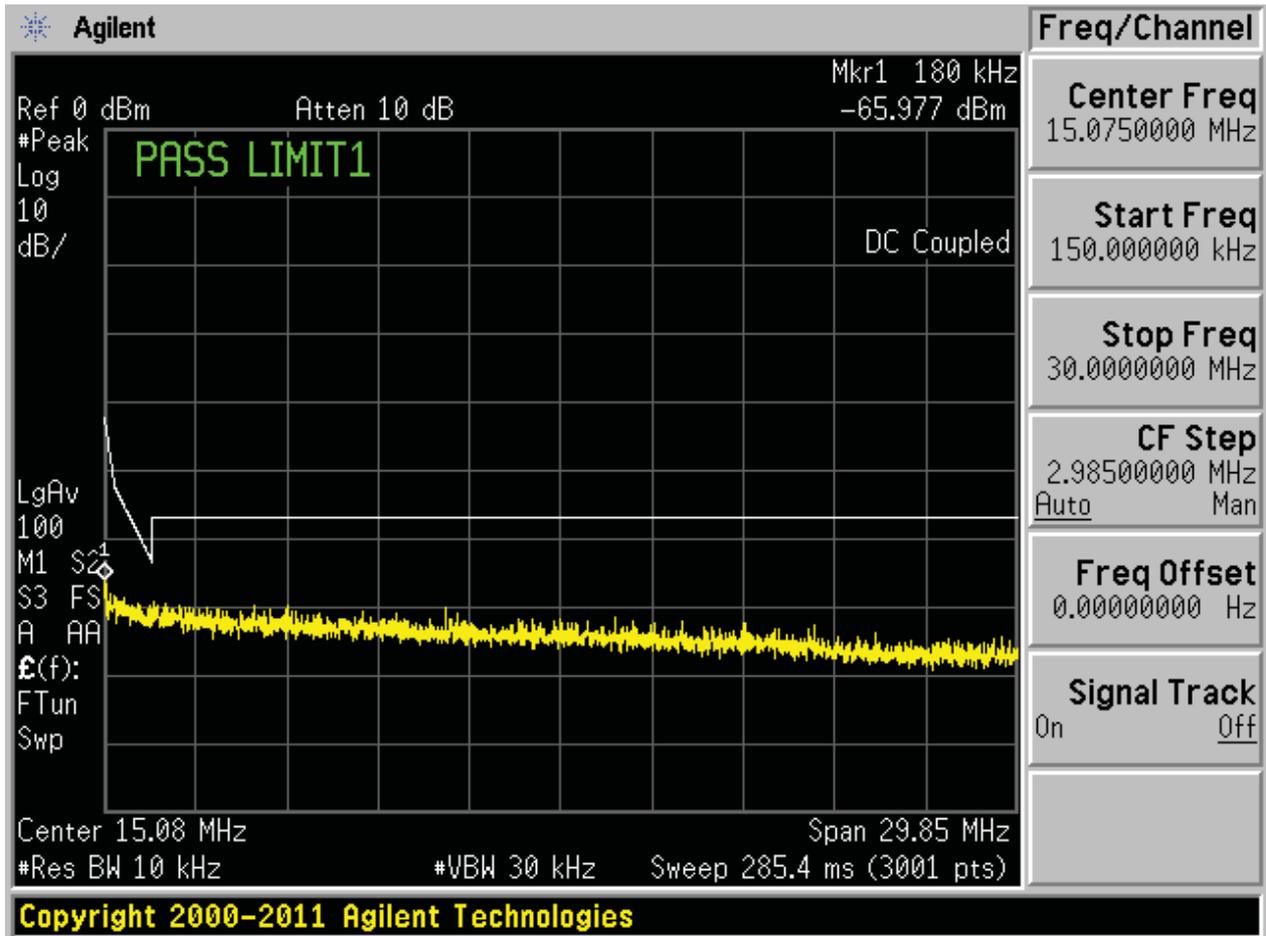


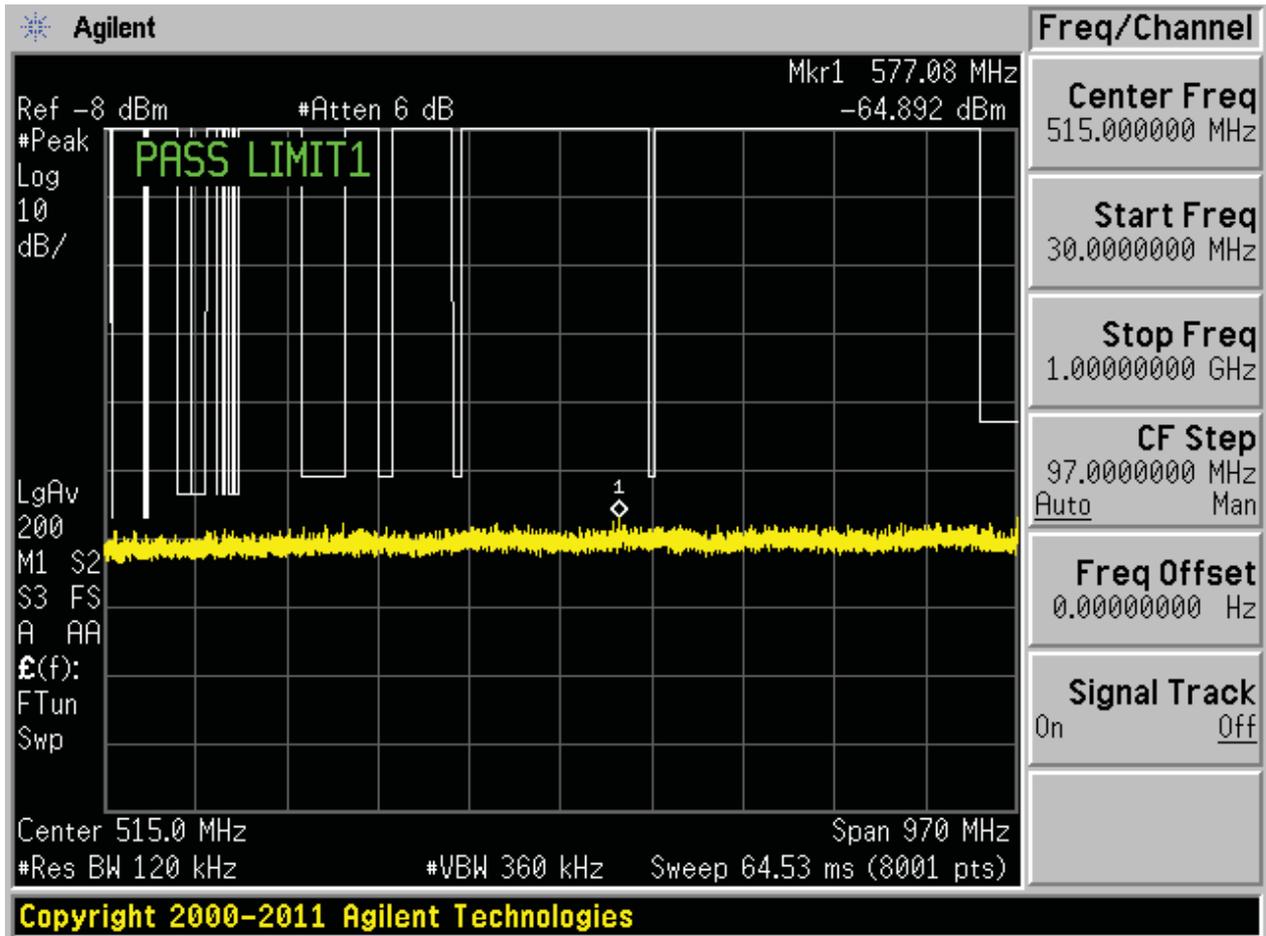


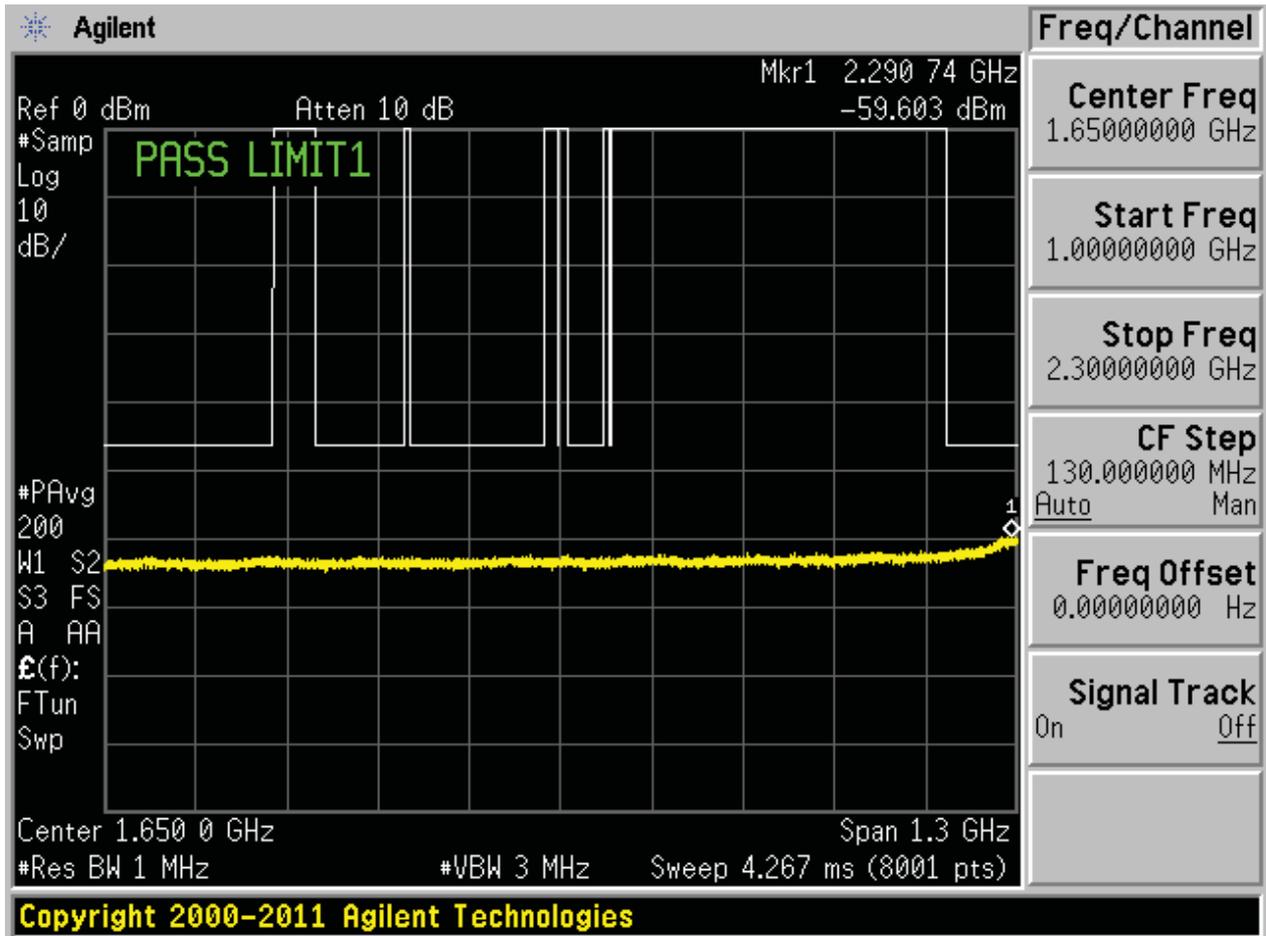


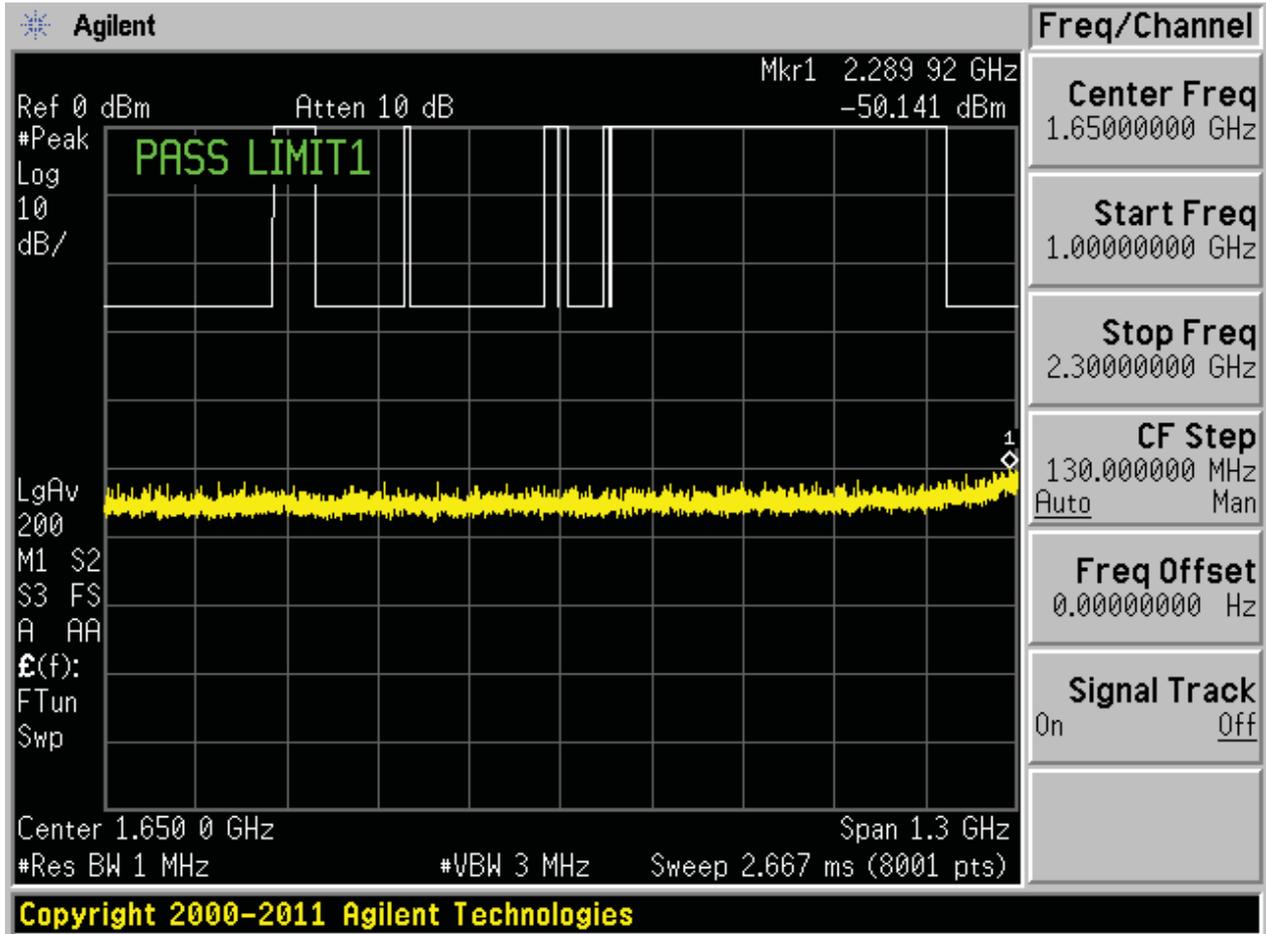


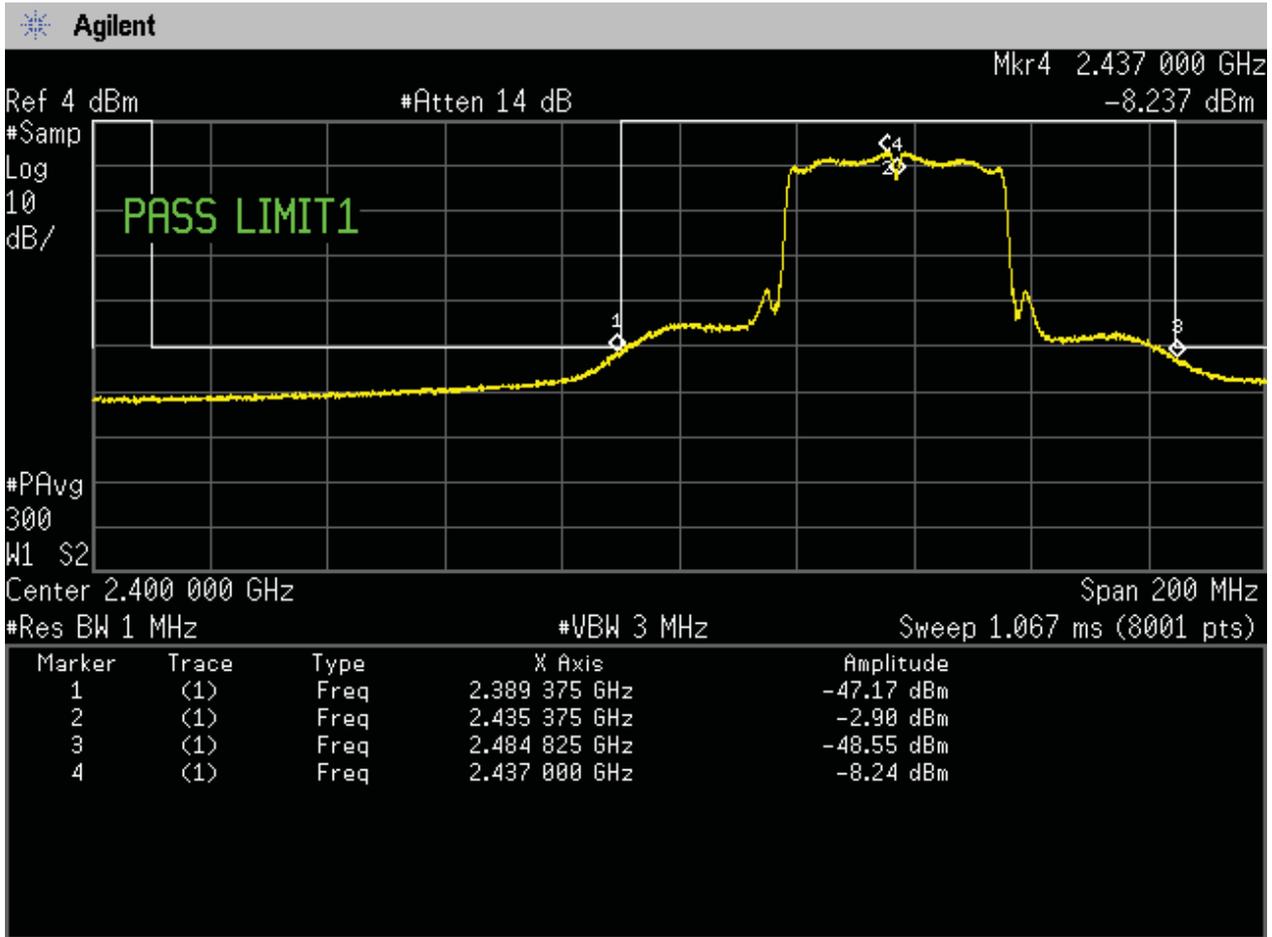






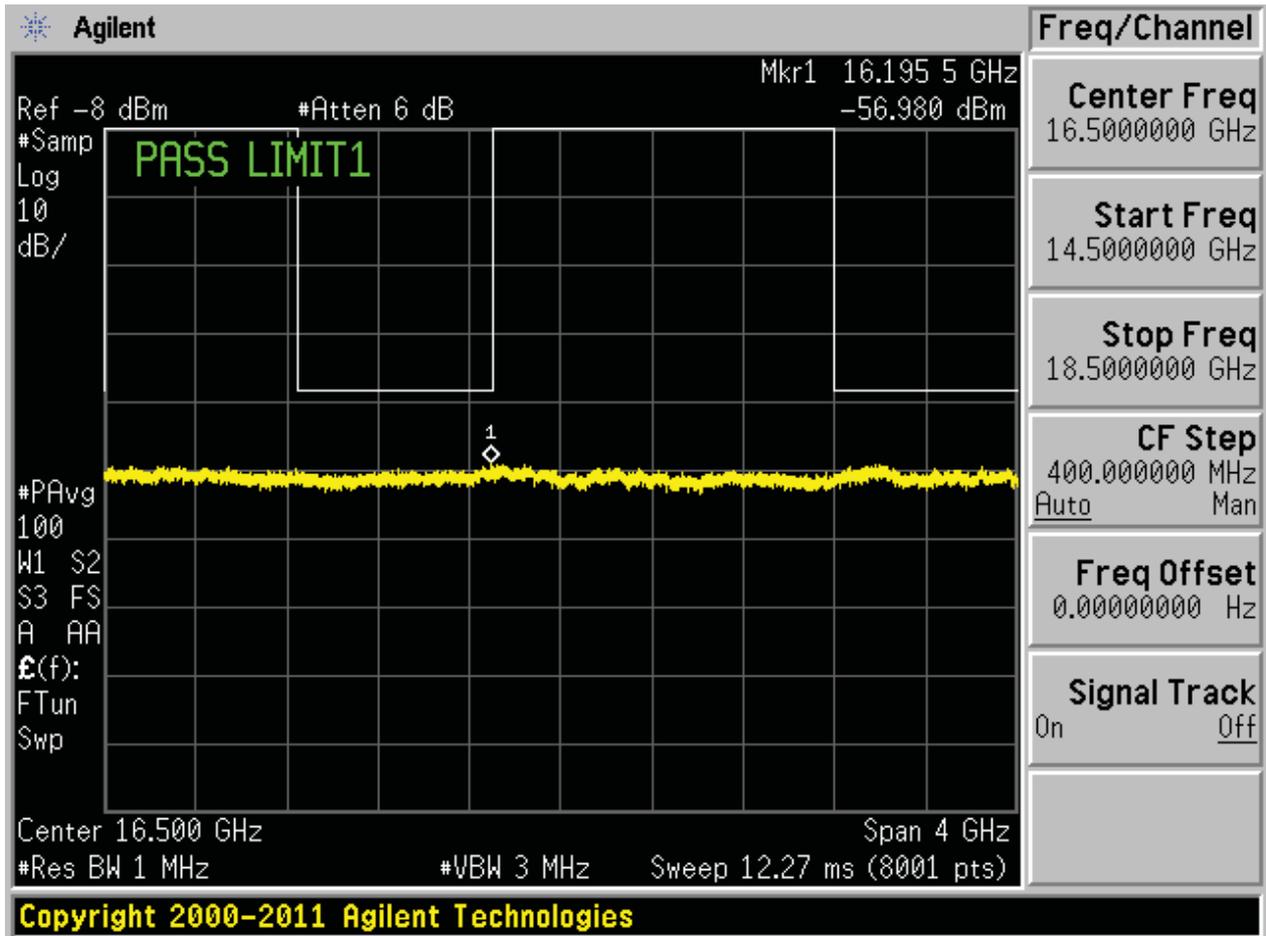


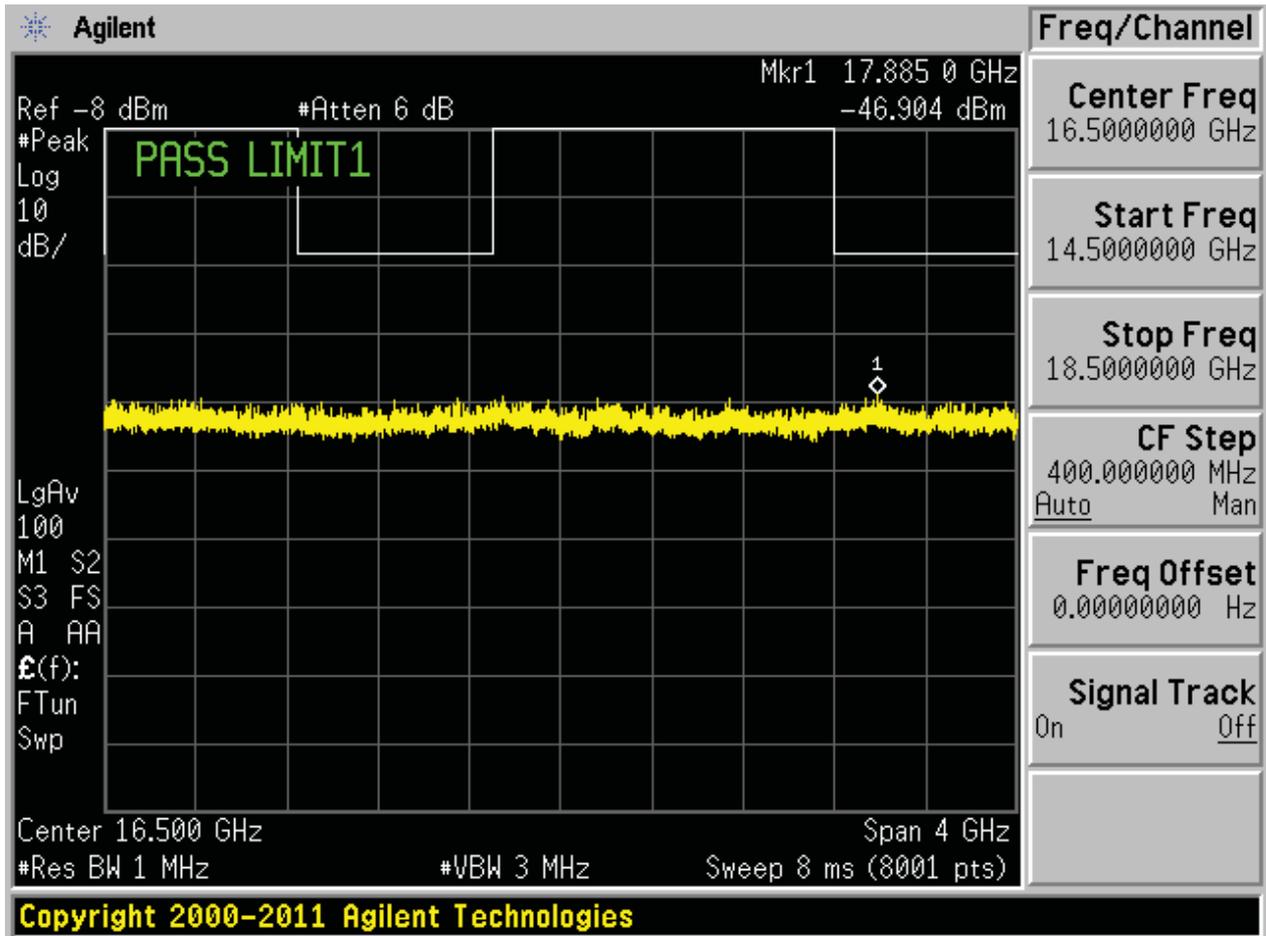


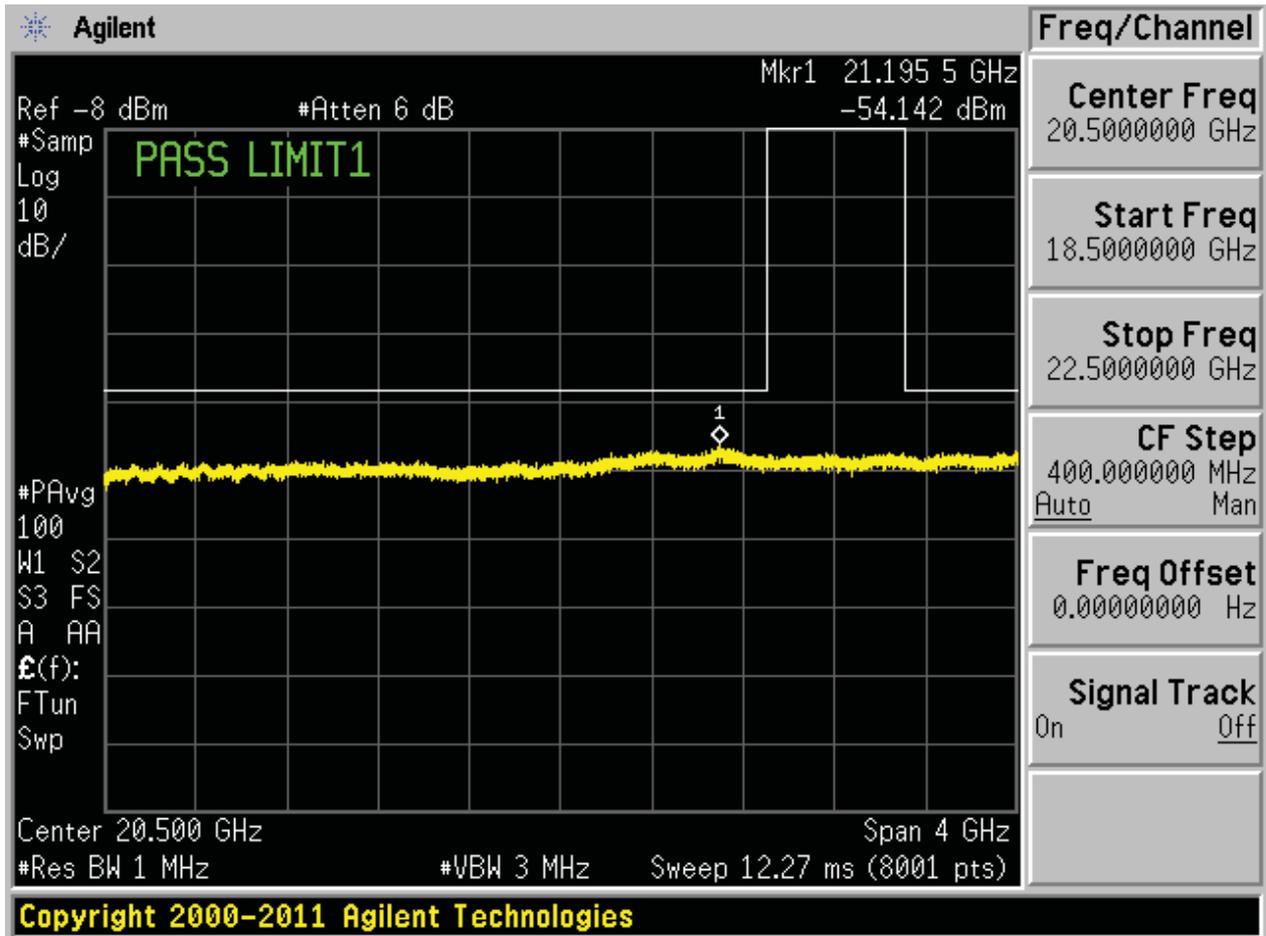


2.3011N40m/8_T@1+2

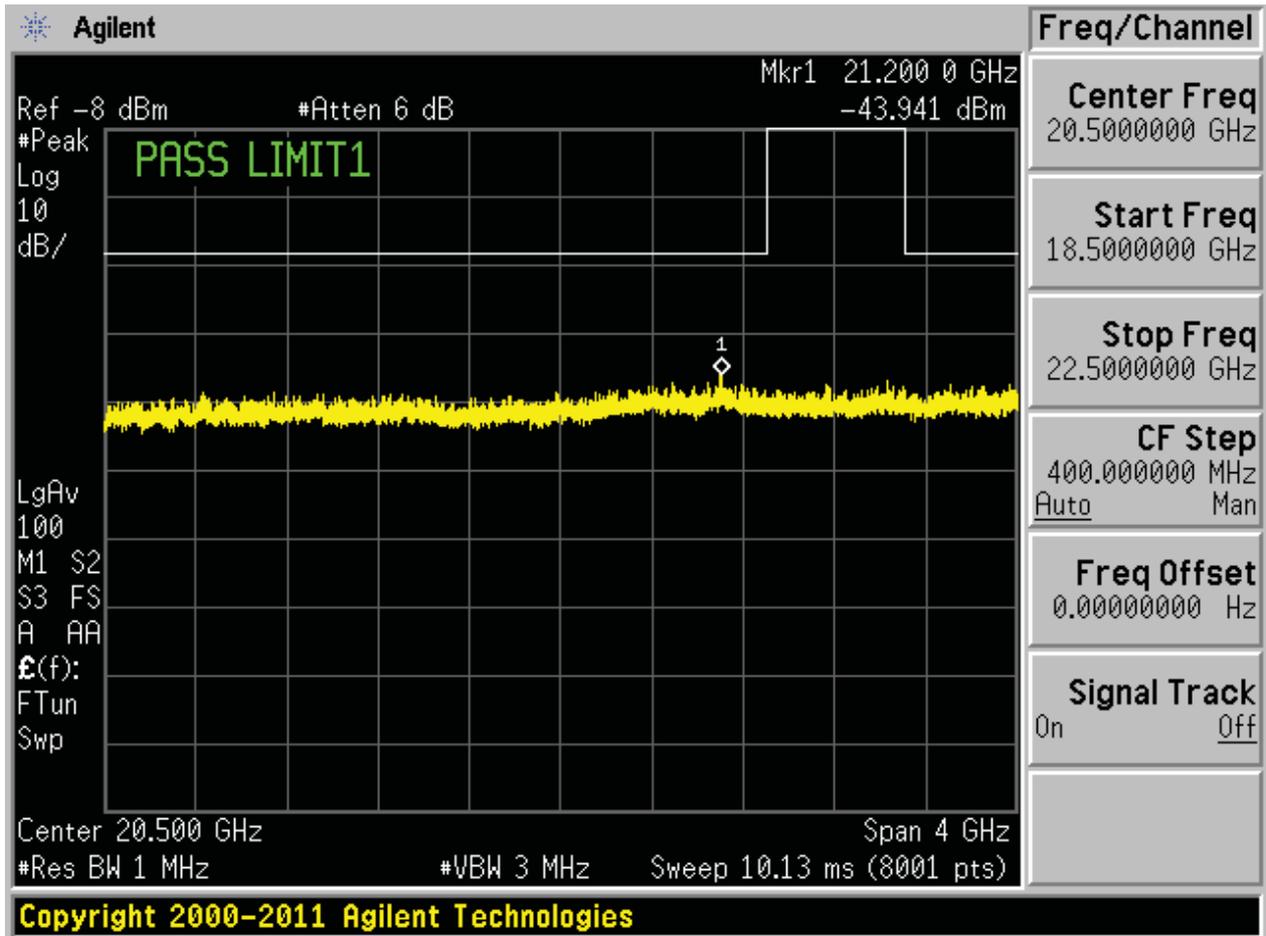
2.30.1 Ant 1

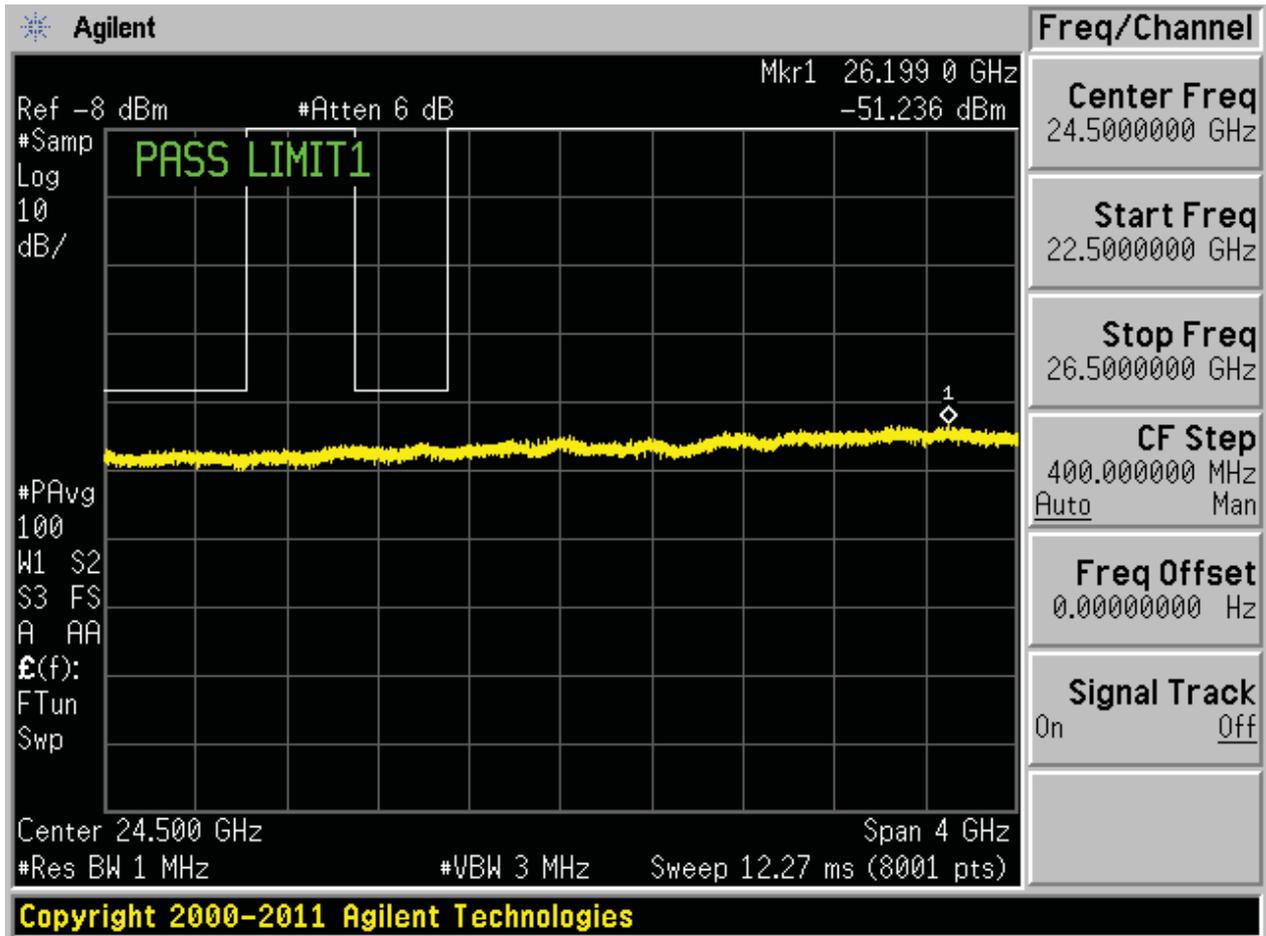


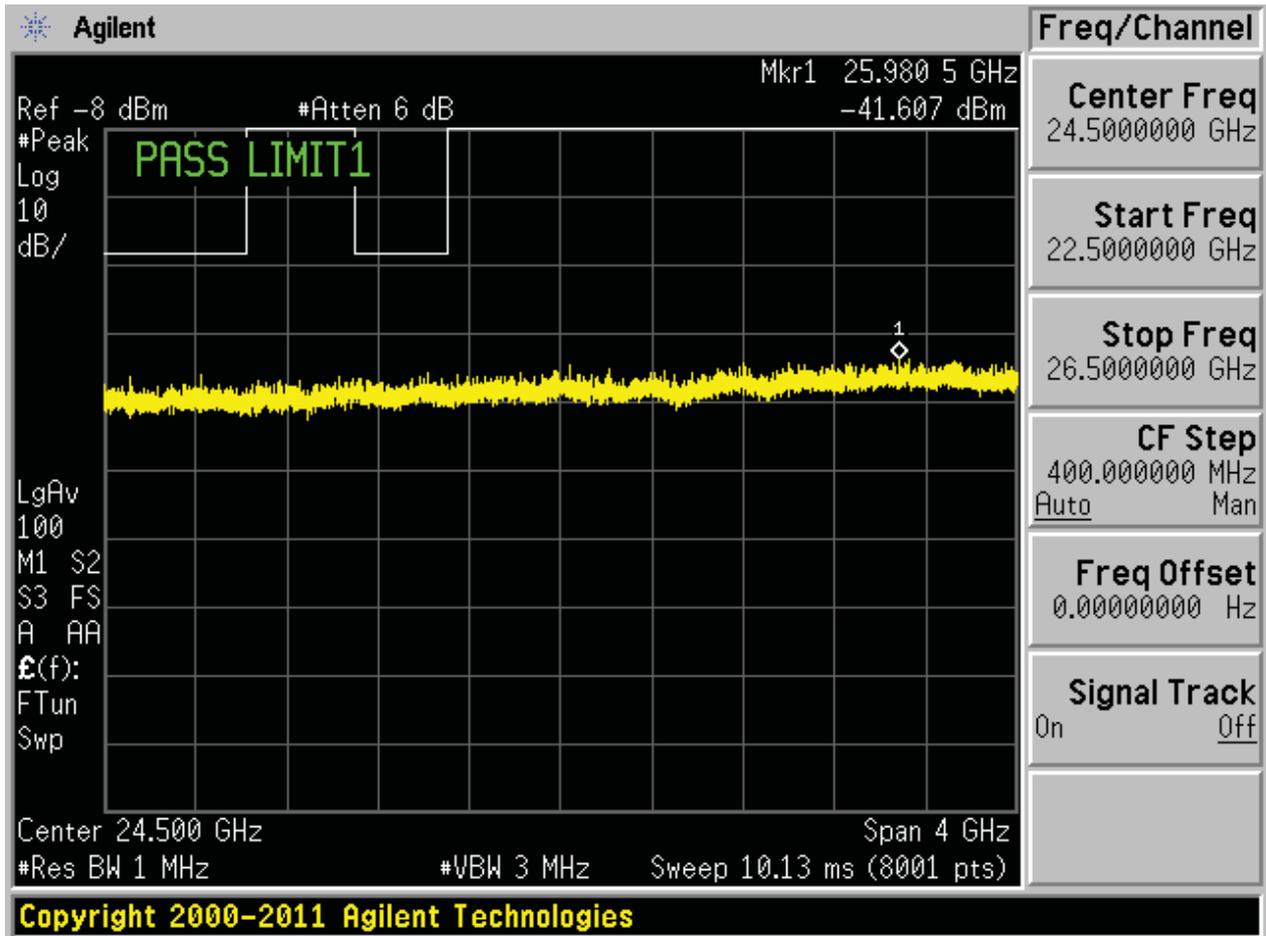


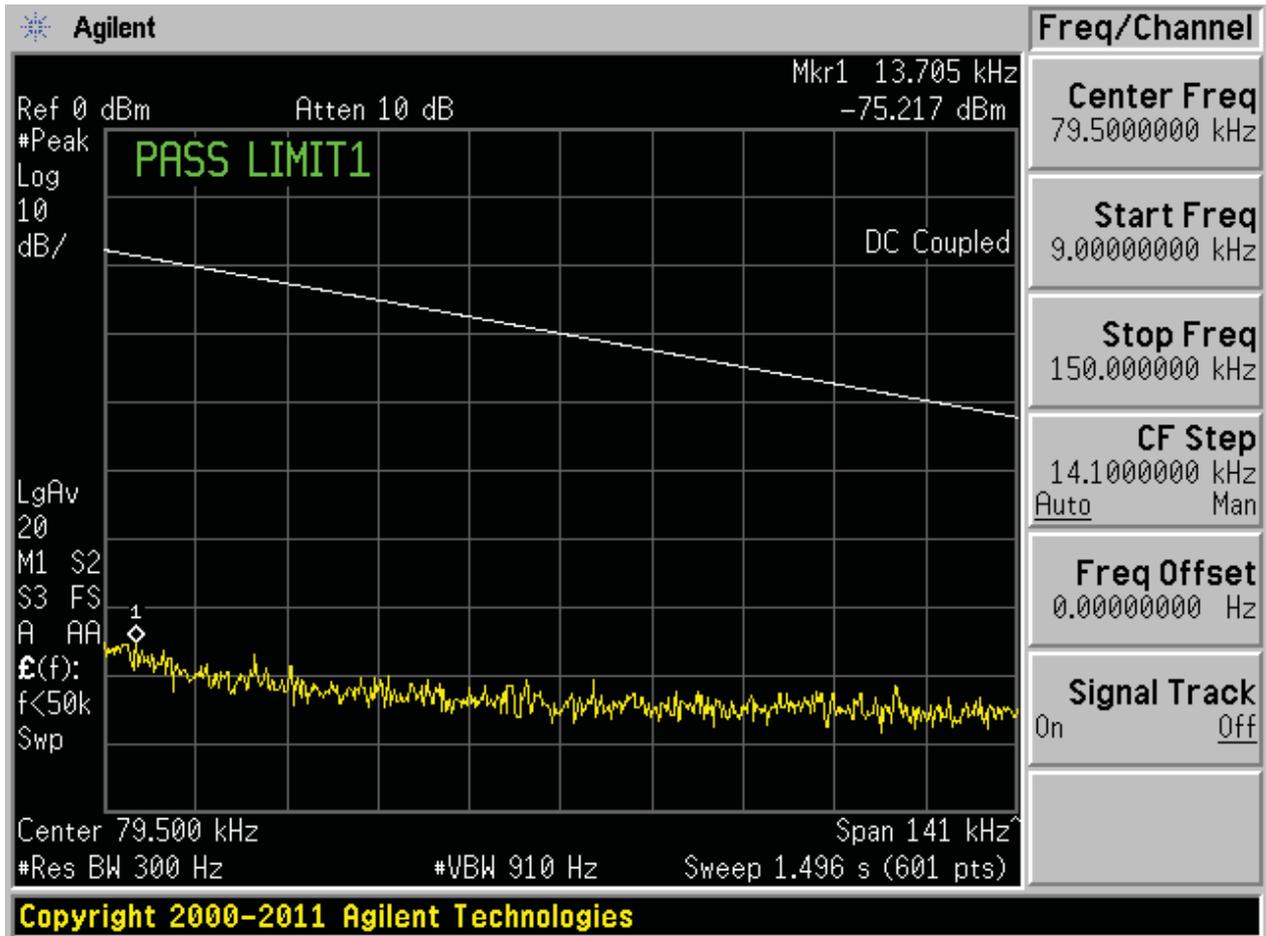


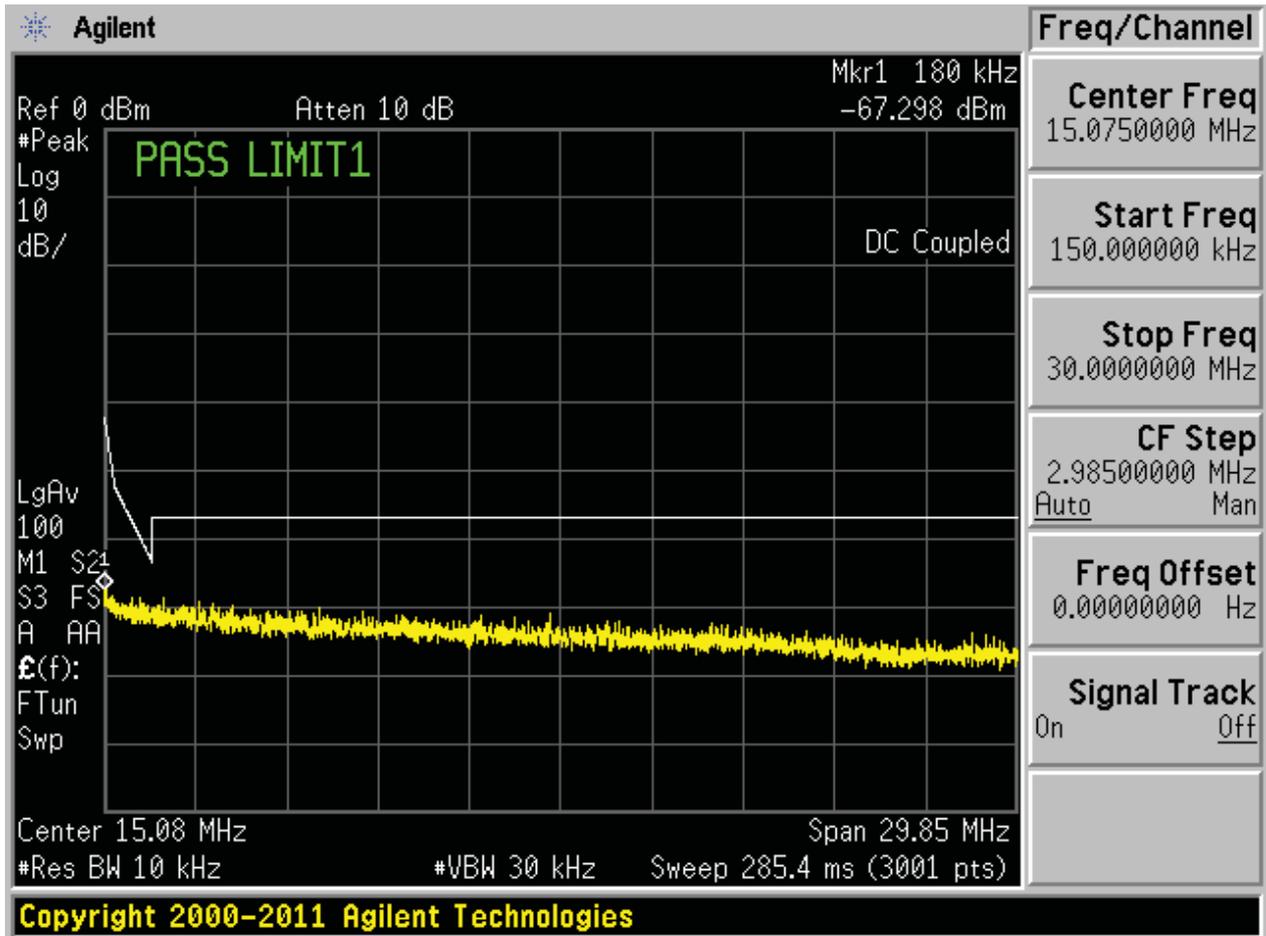
Copyright 2000-2011 Agilent Technologies

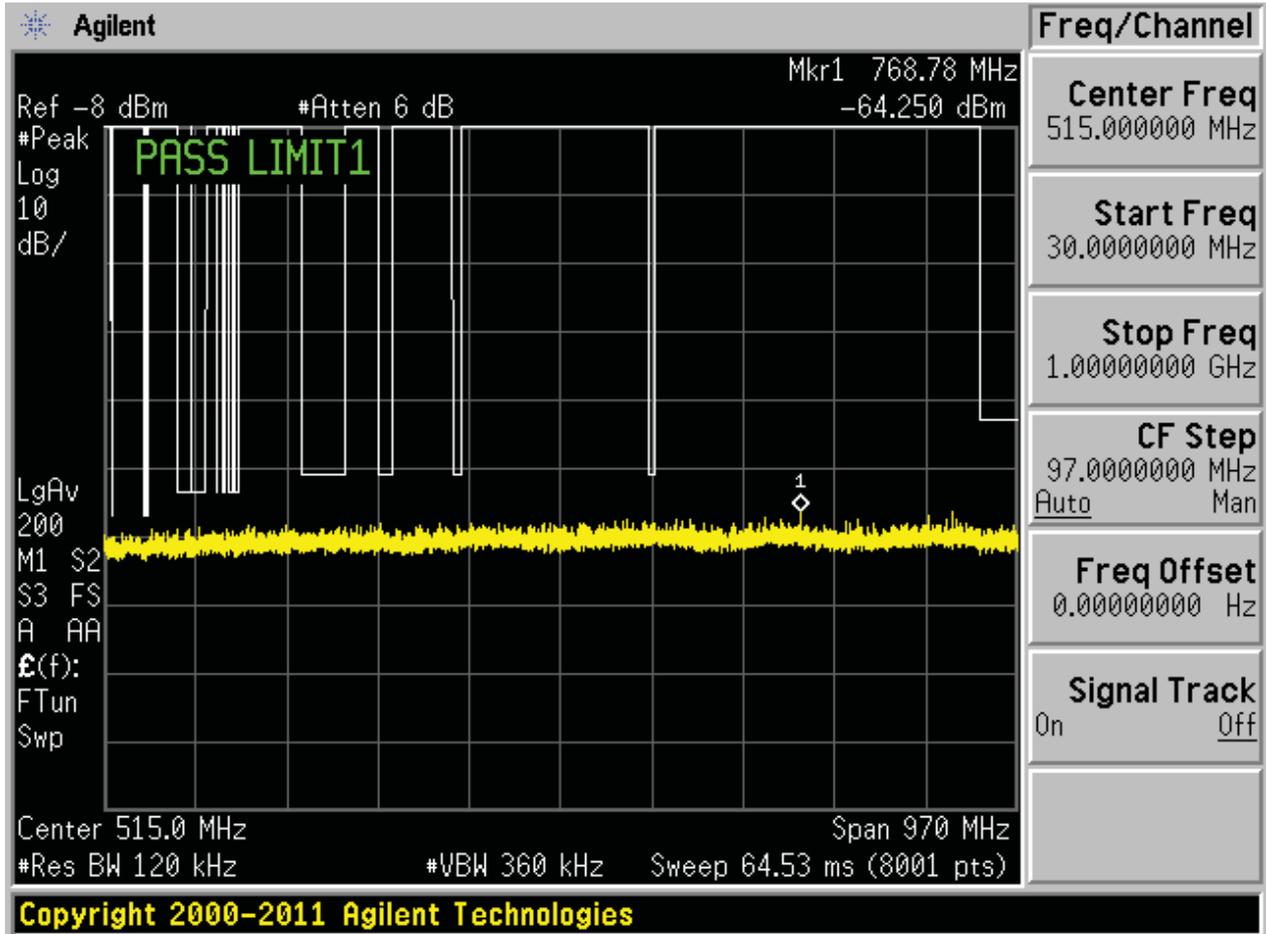


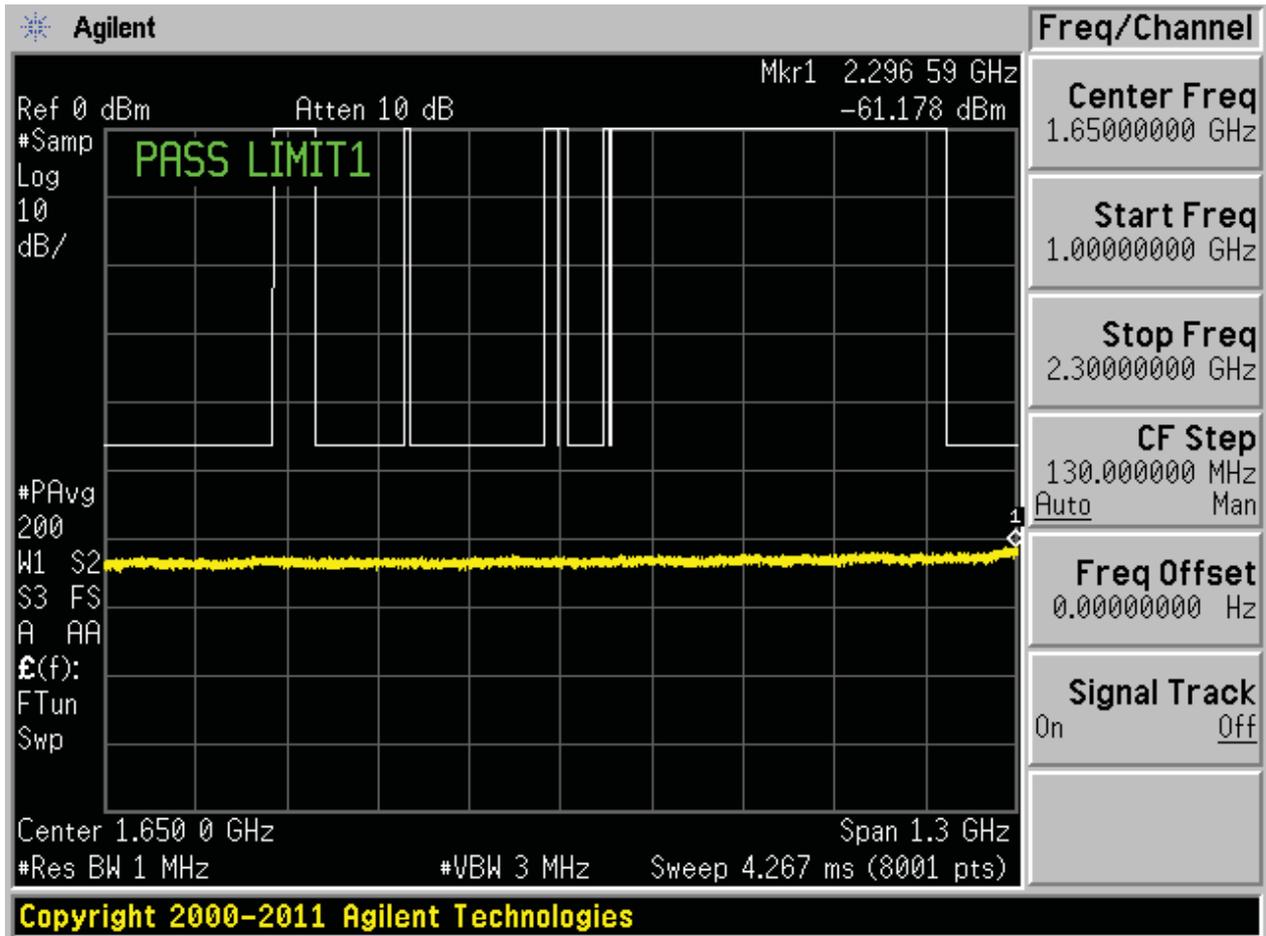


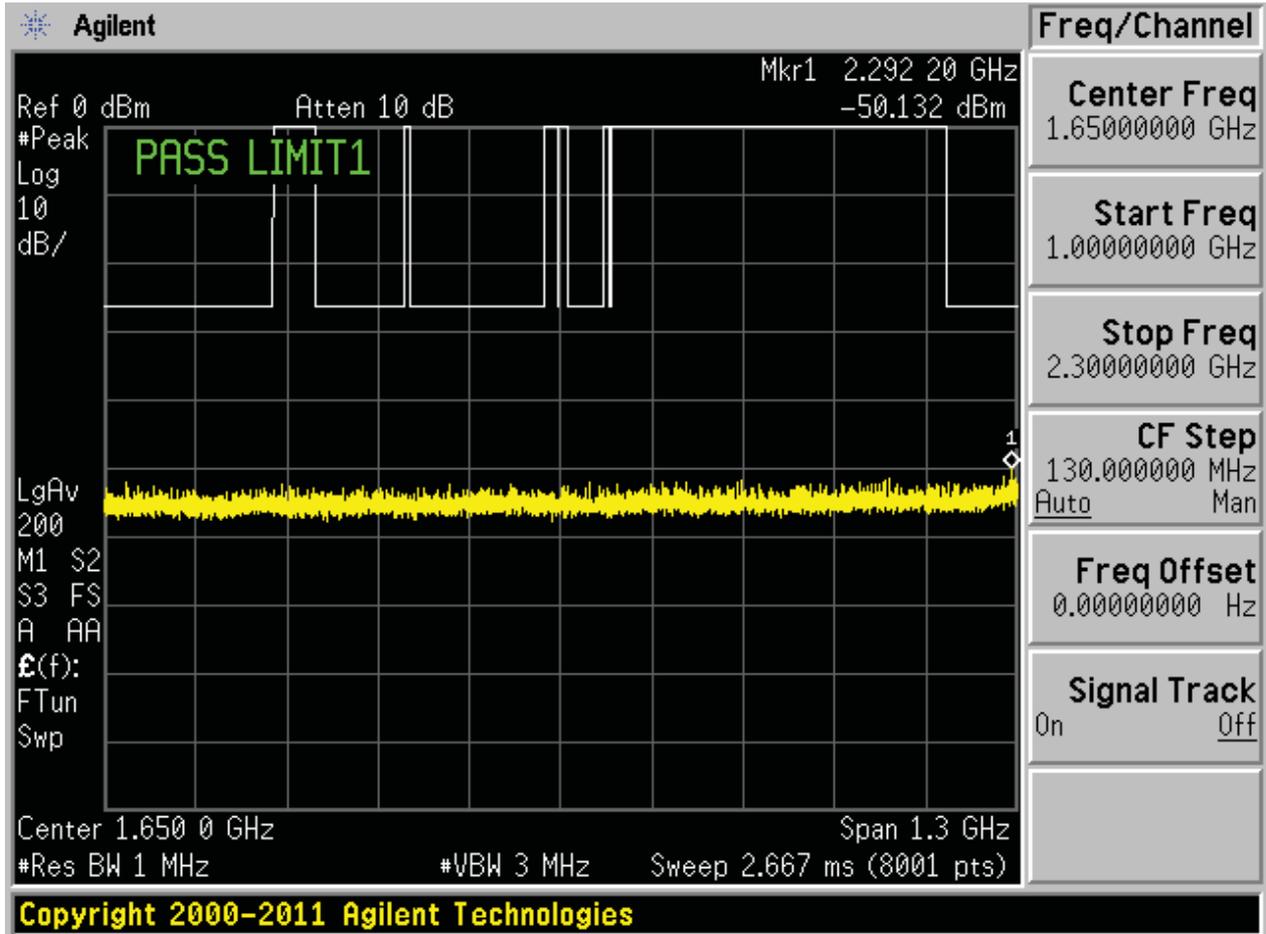


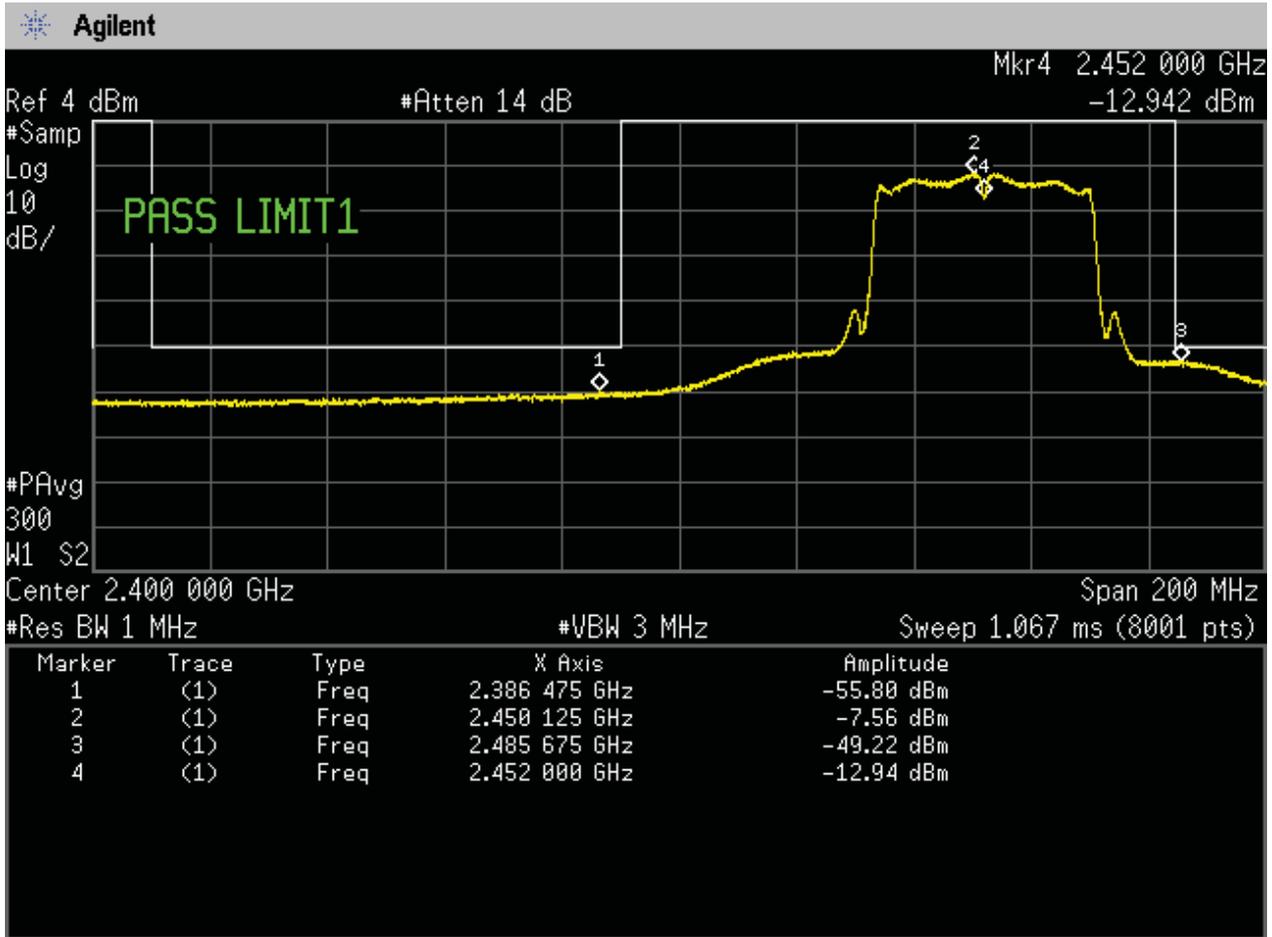


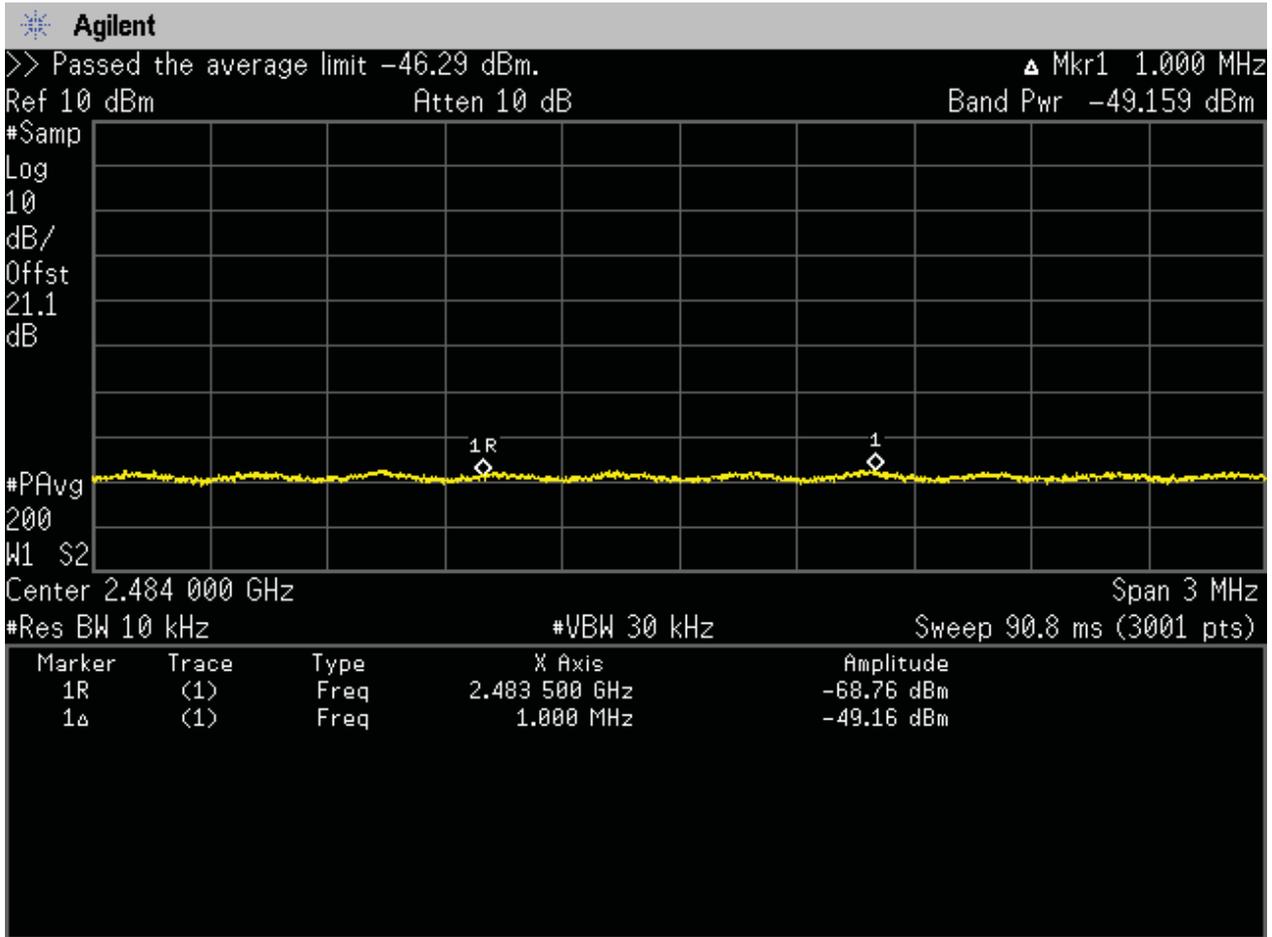


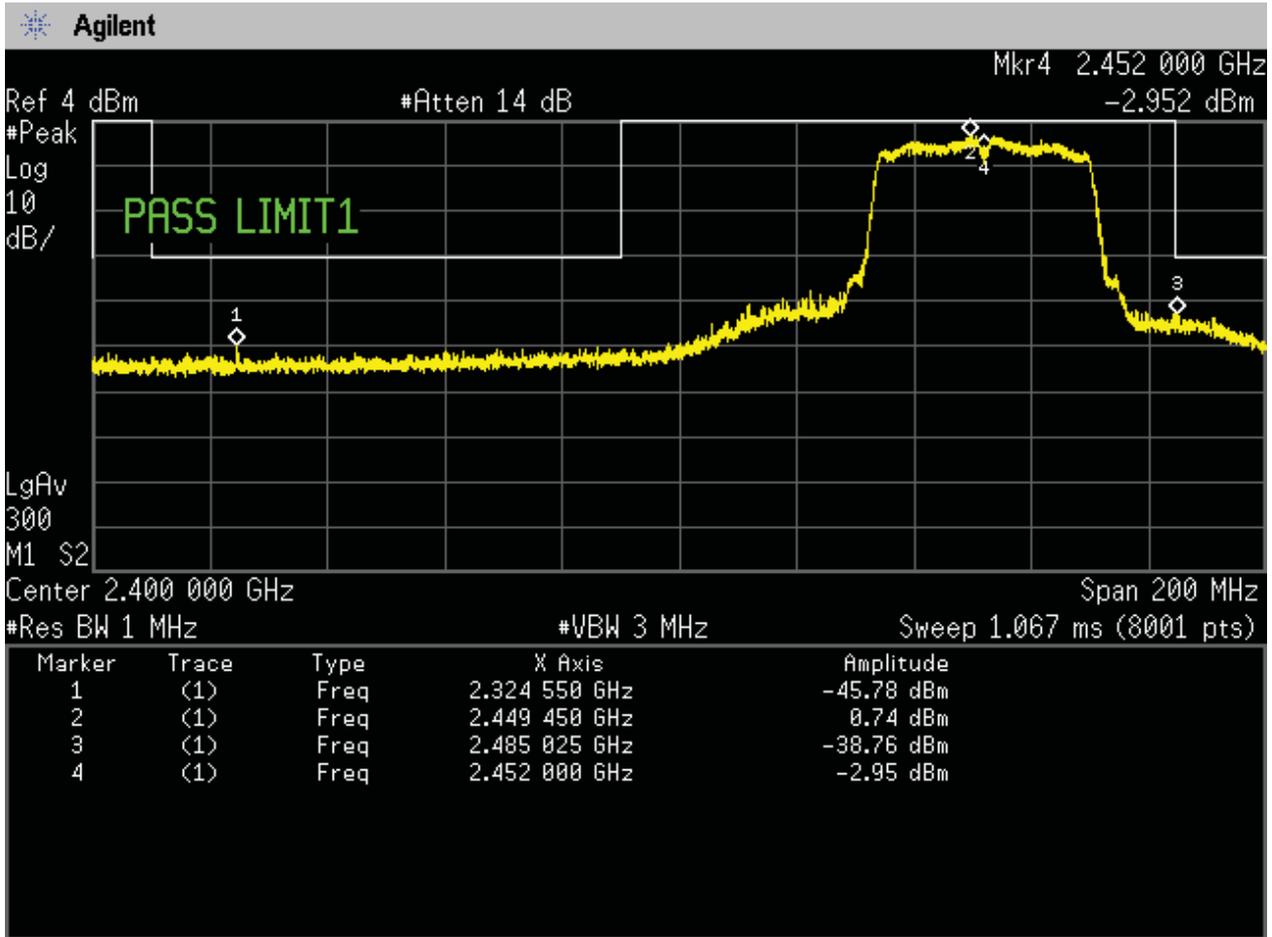


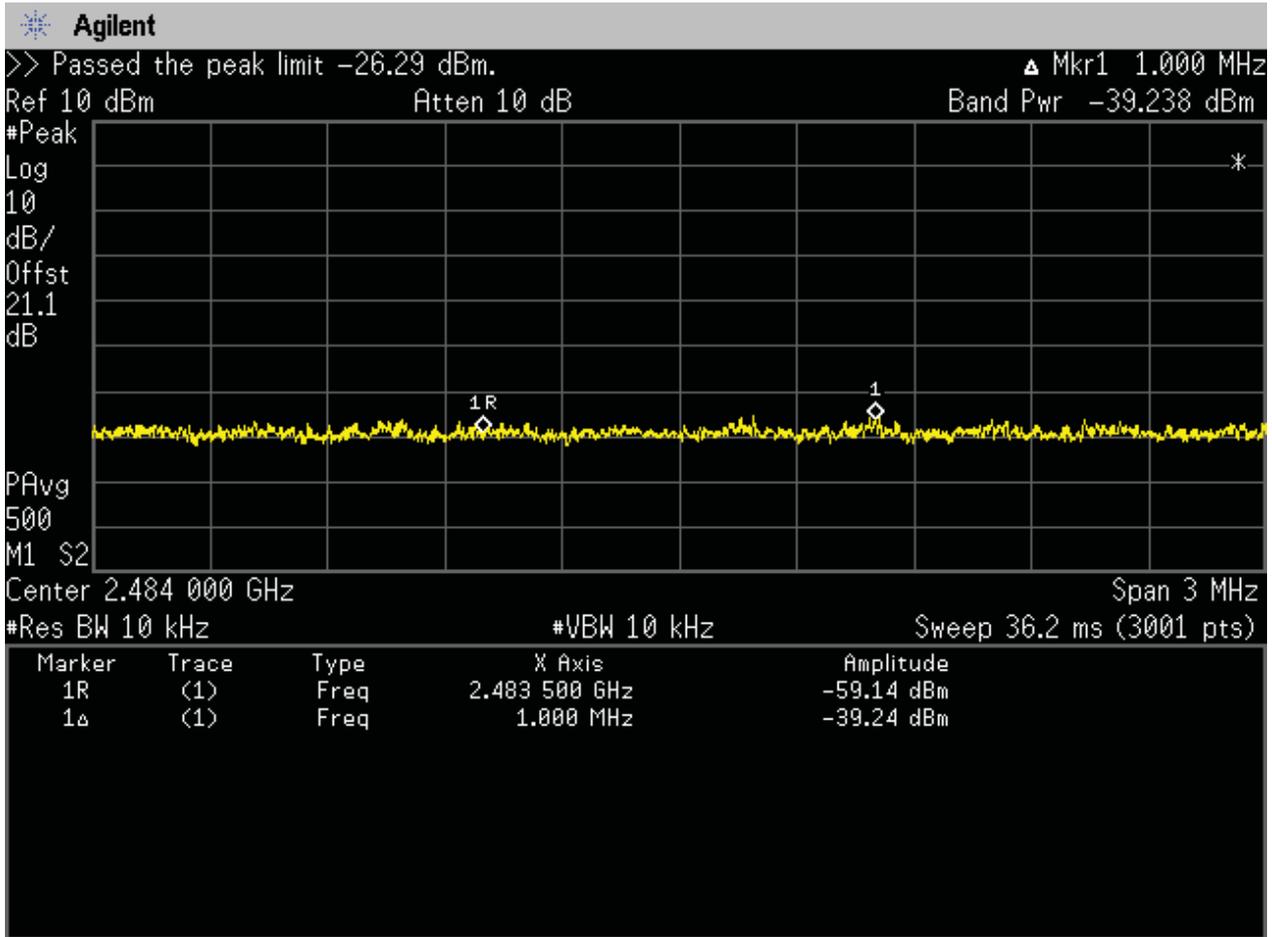


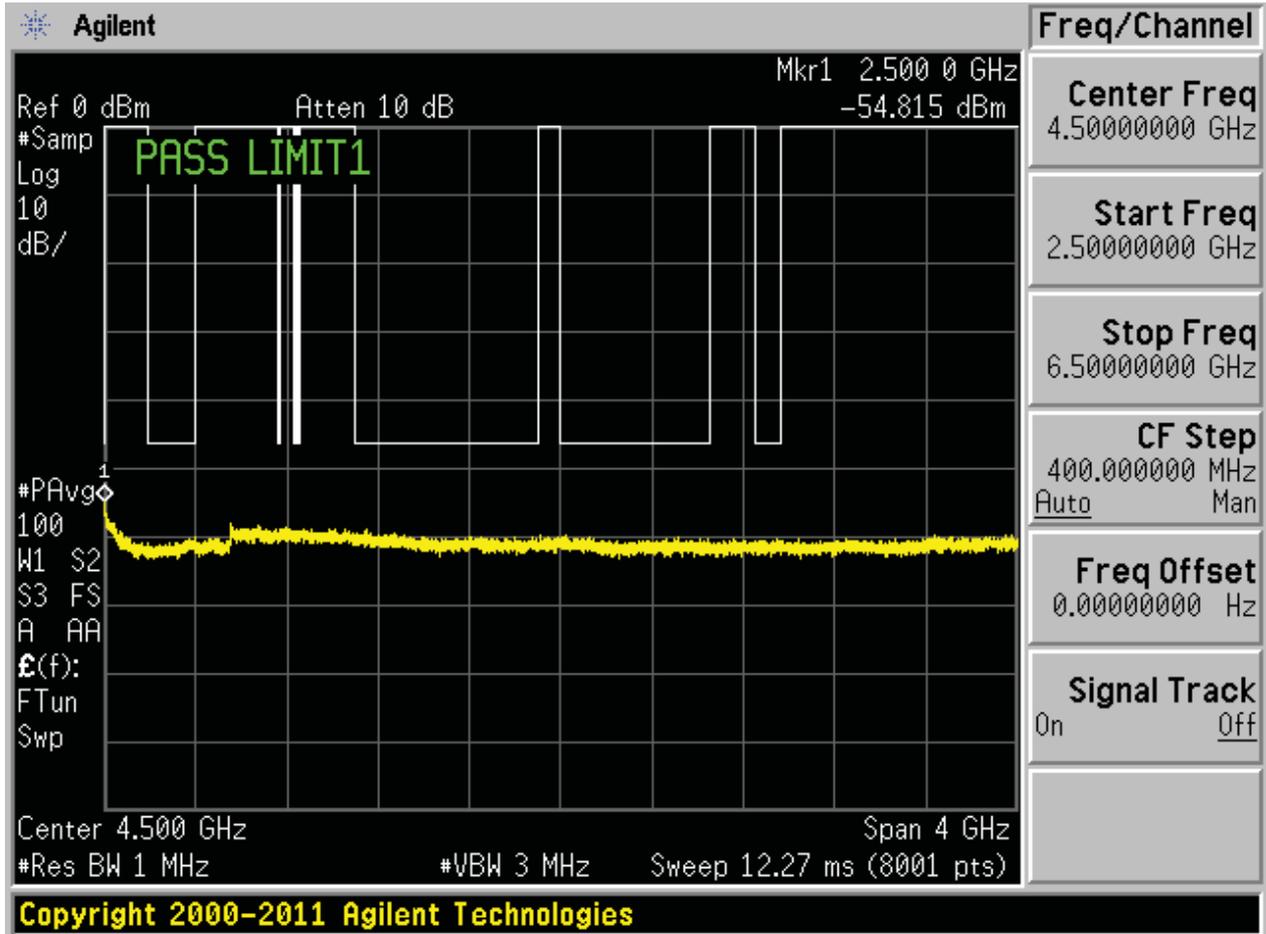


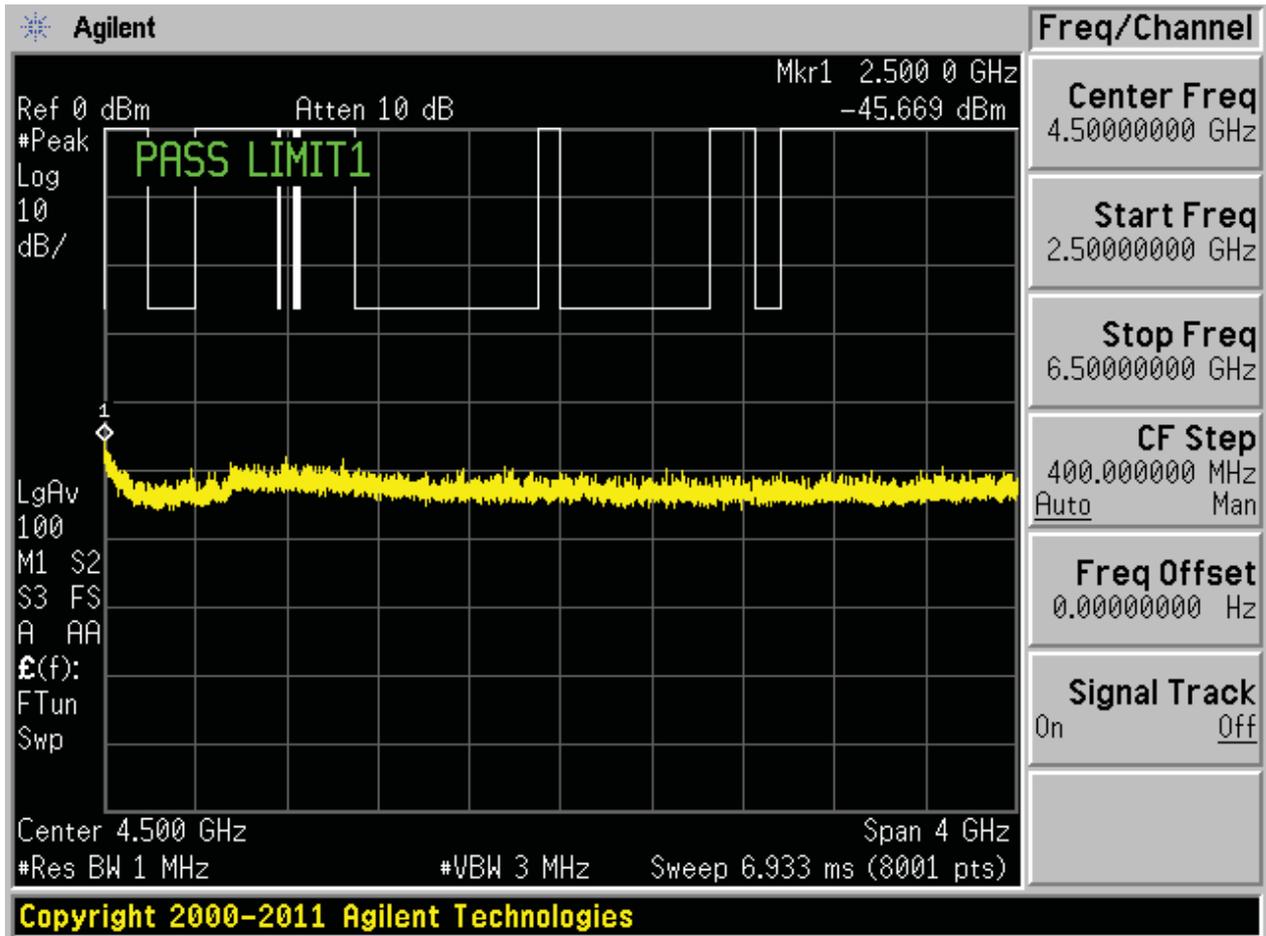


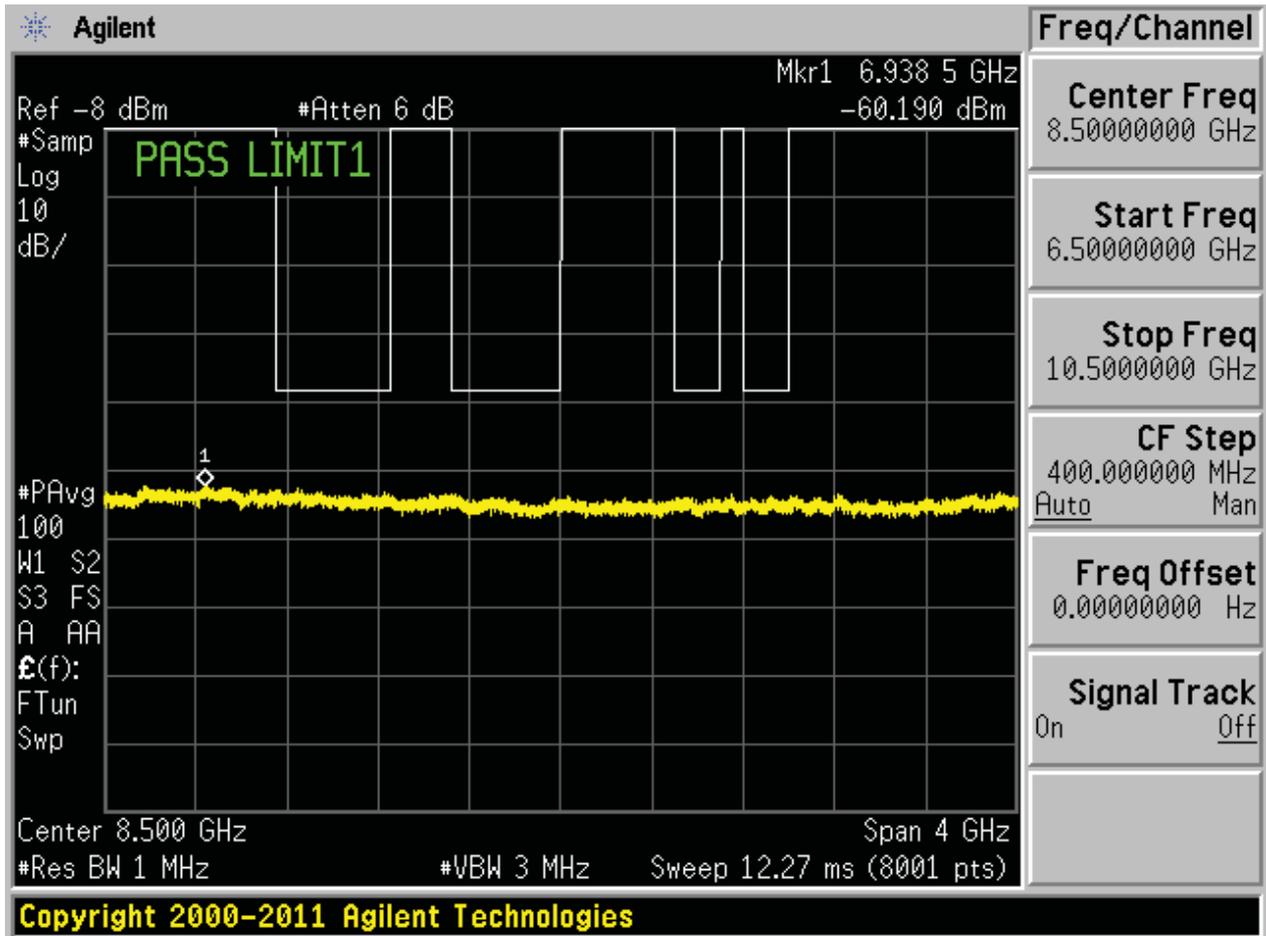


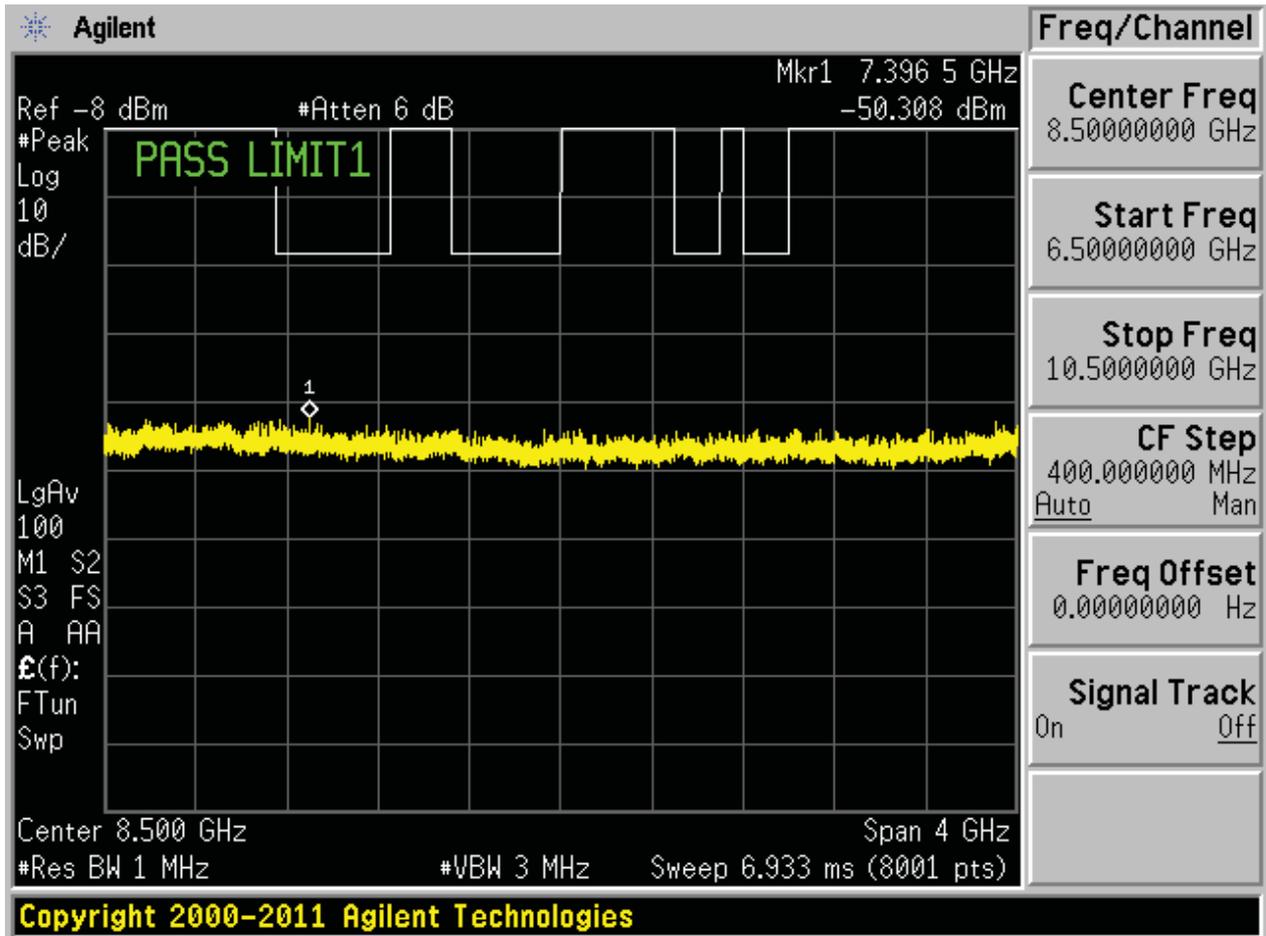


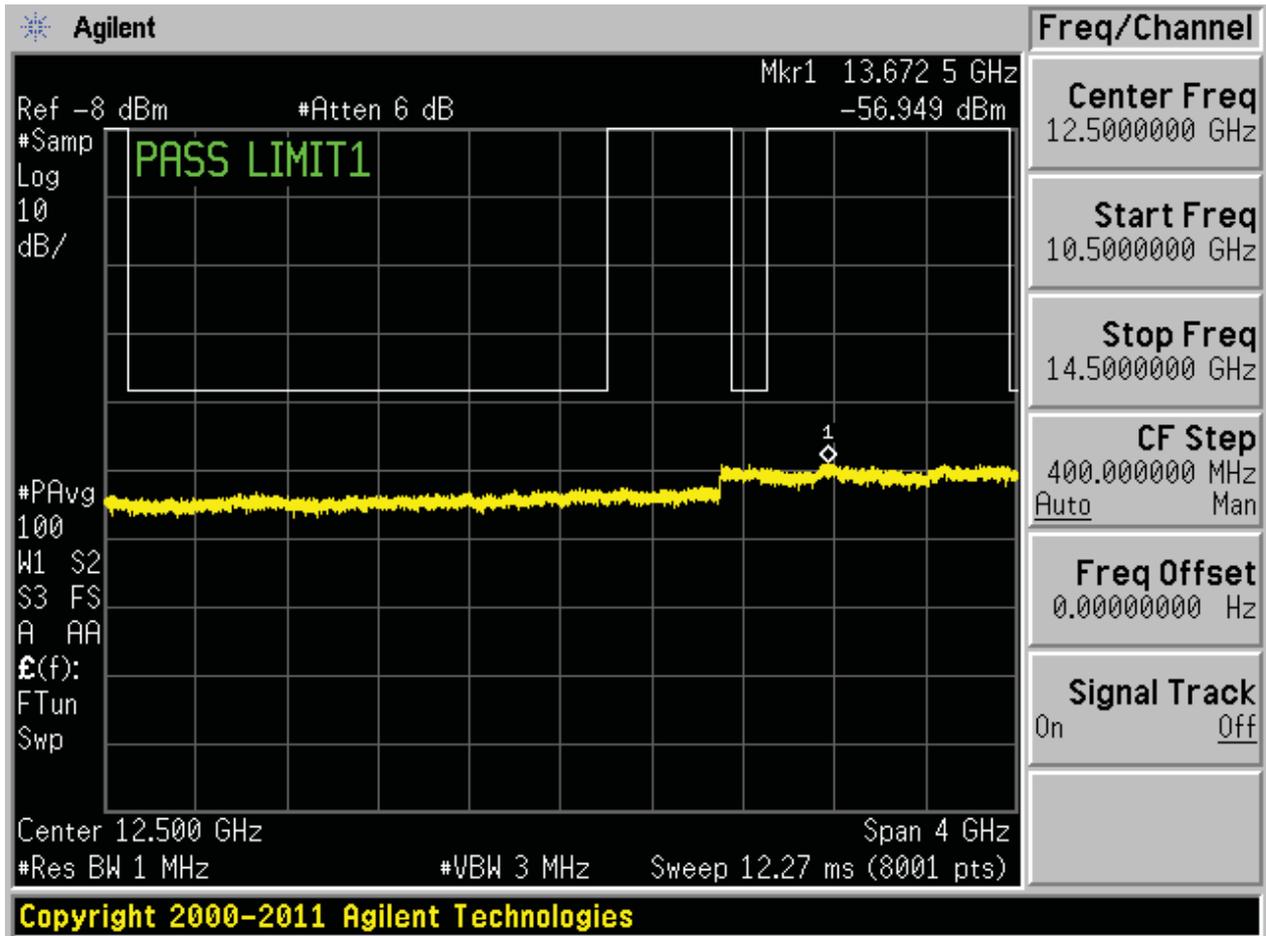


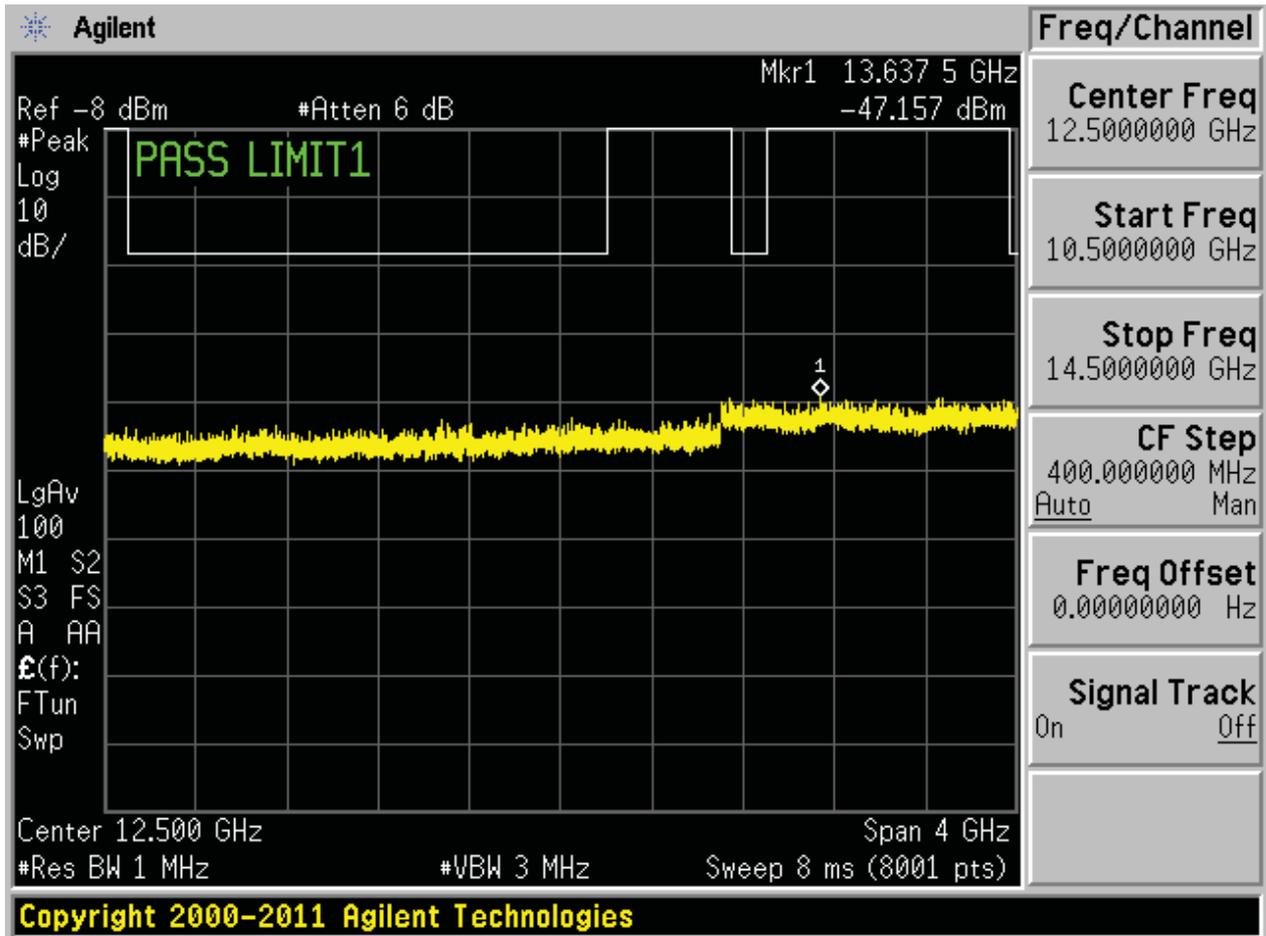




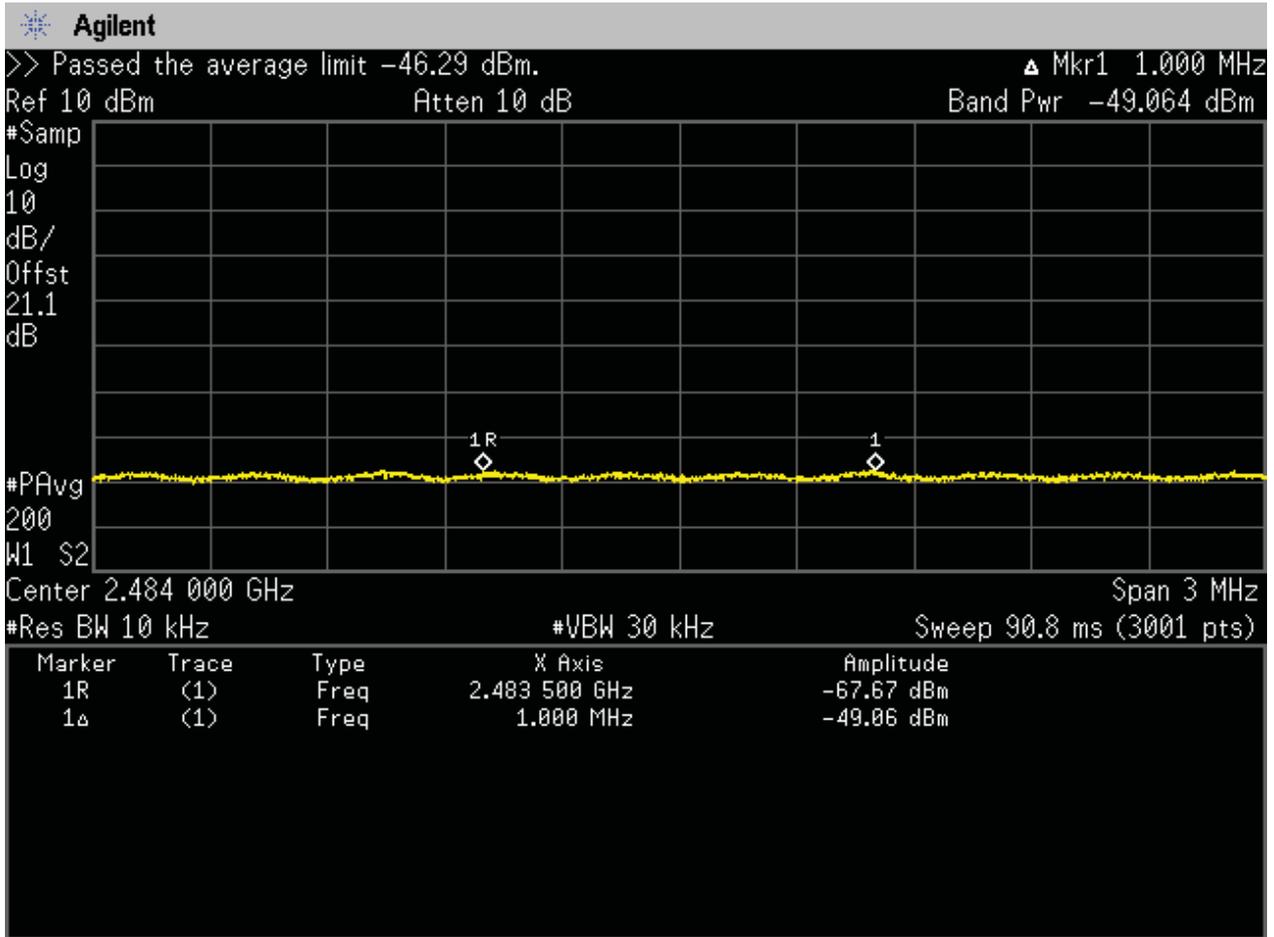


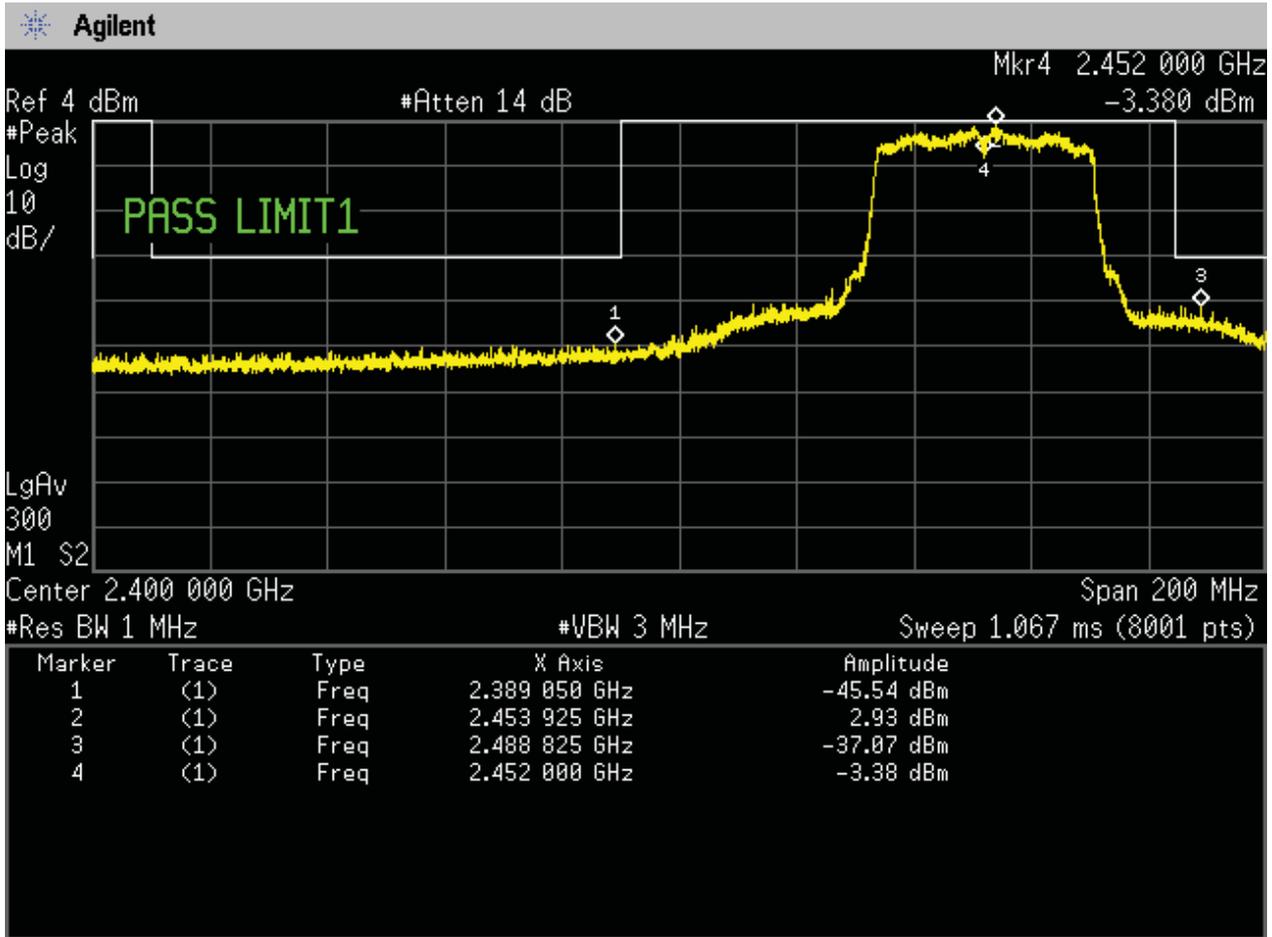


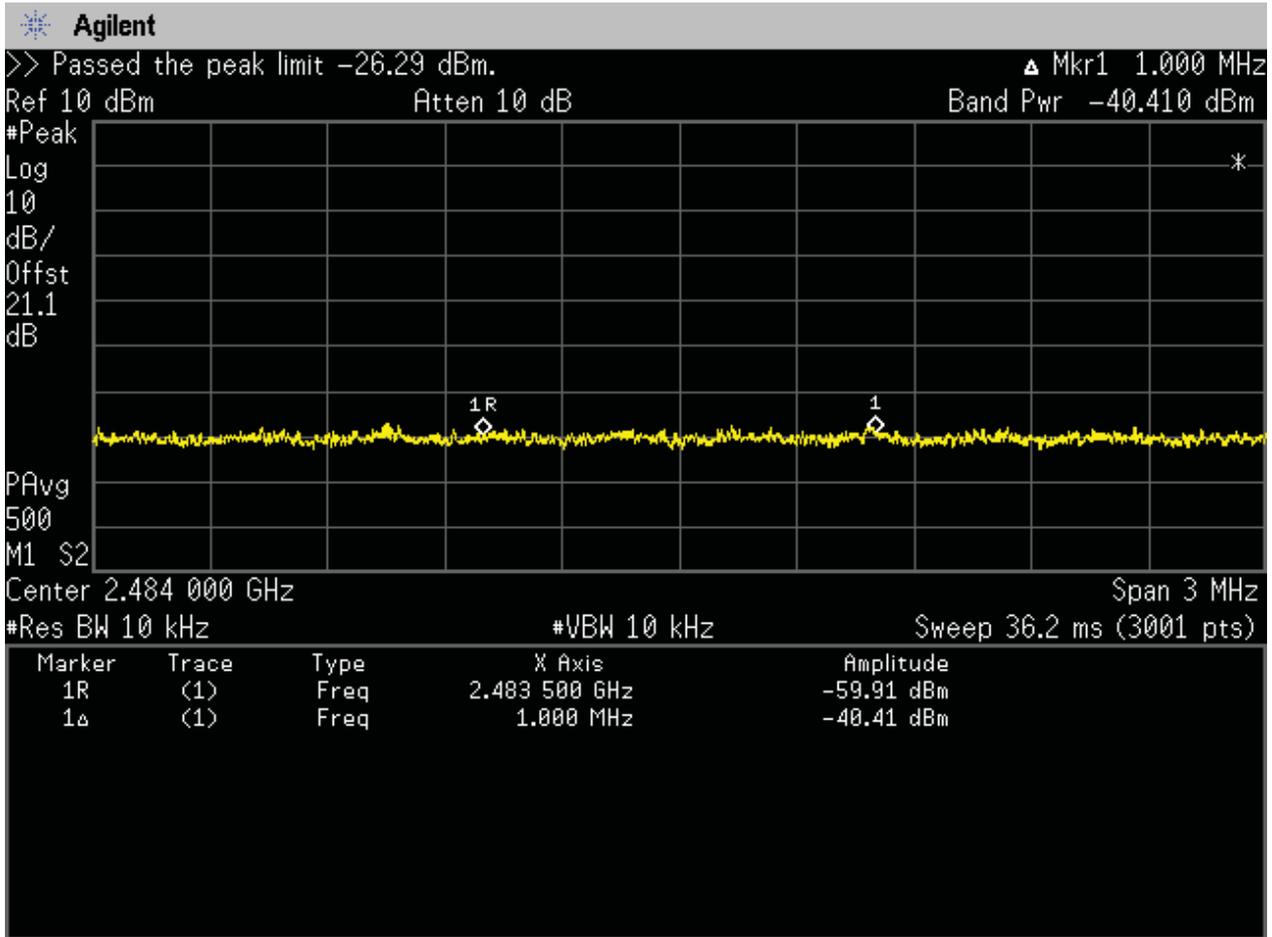


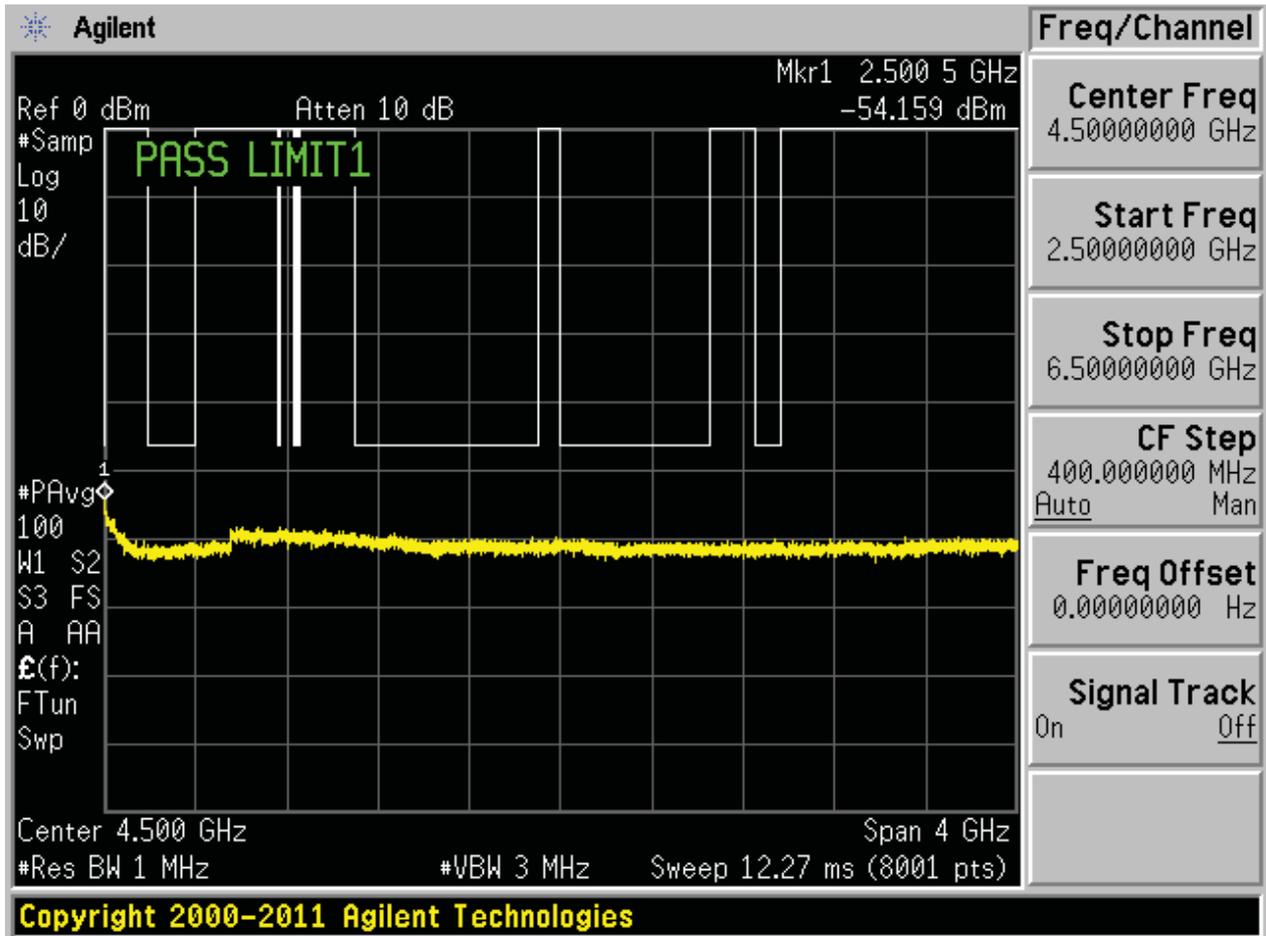


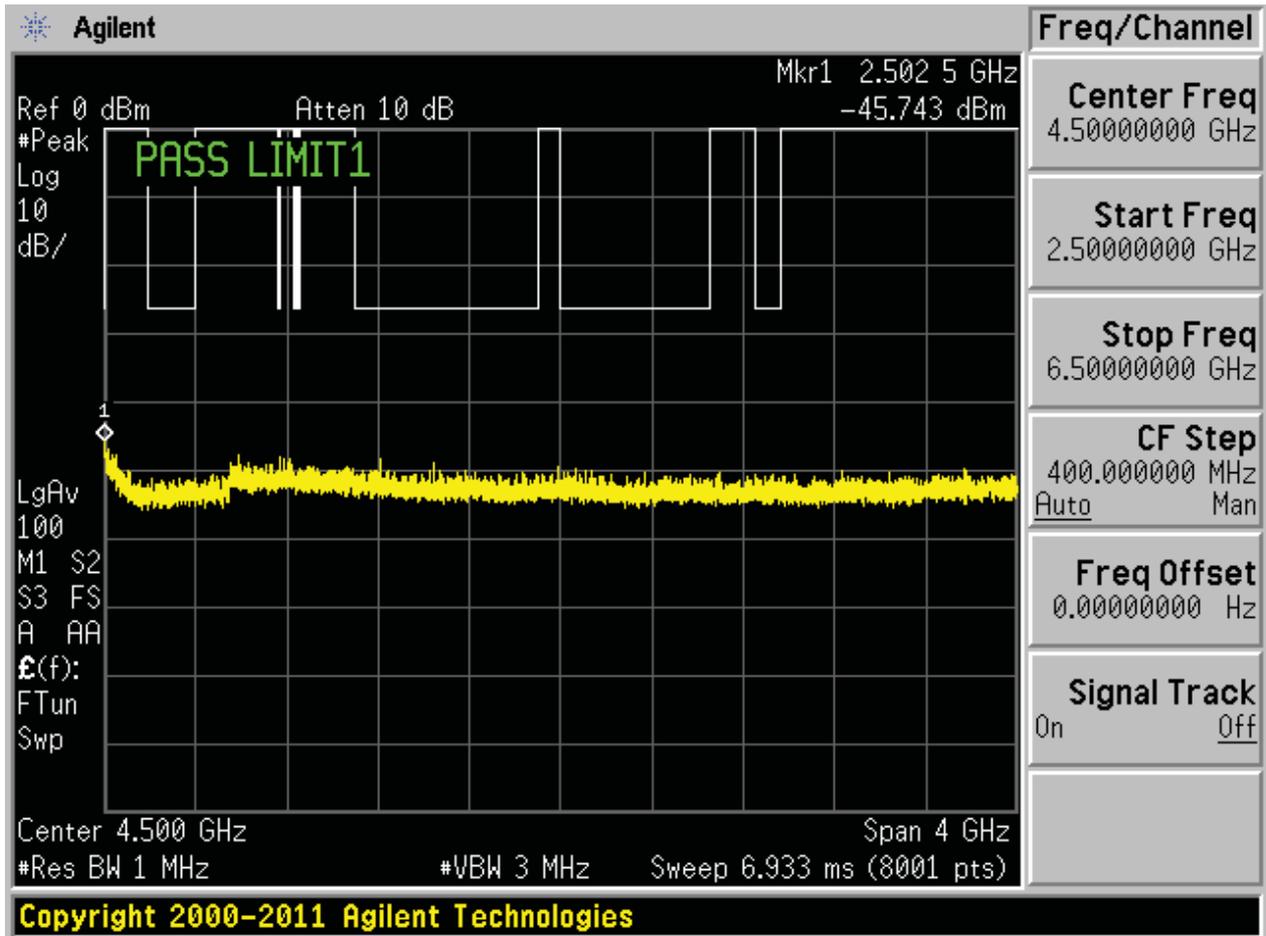
2.30.2 Ant 2

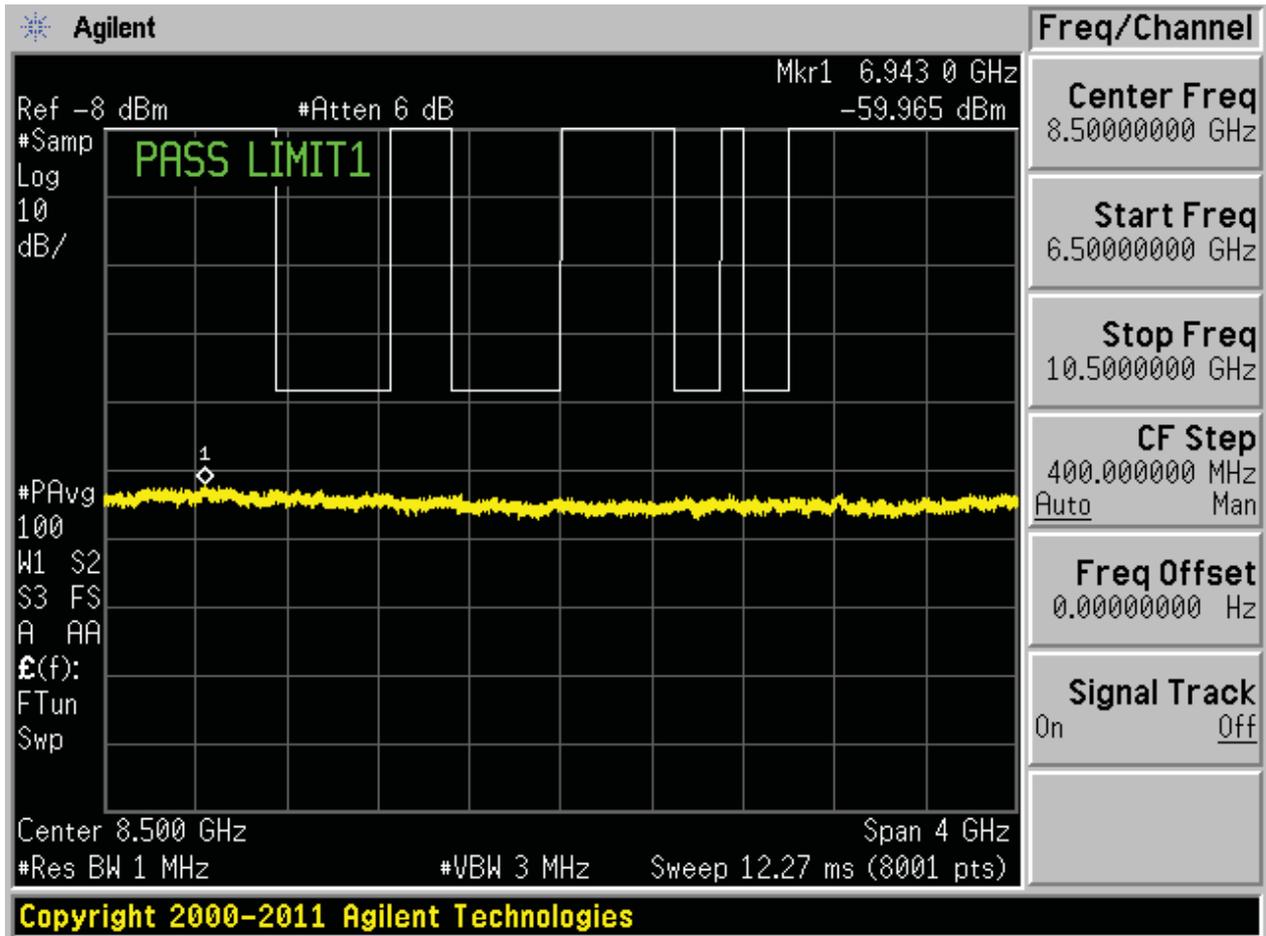


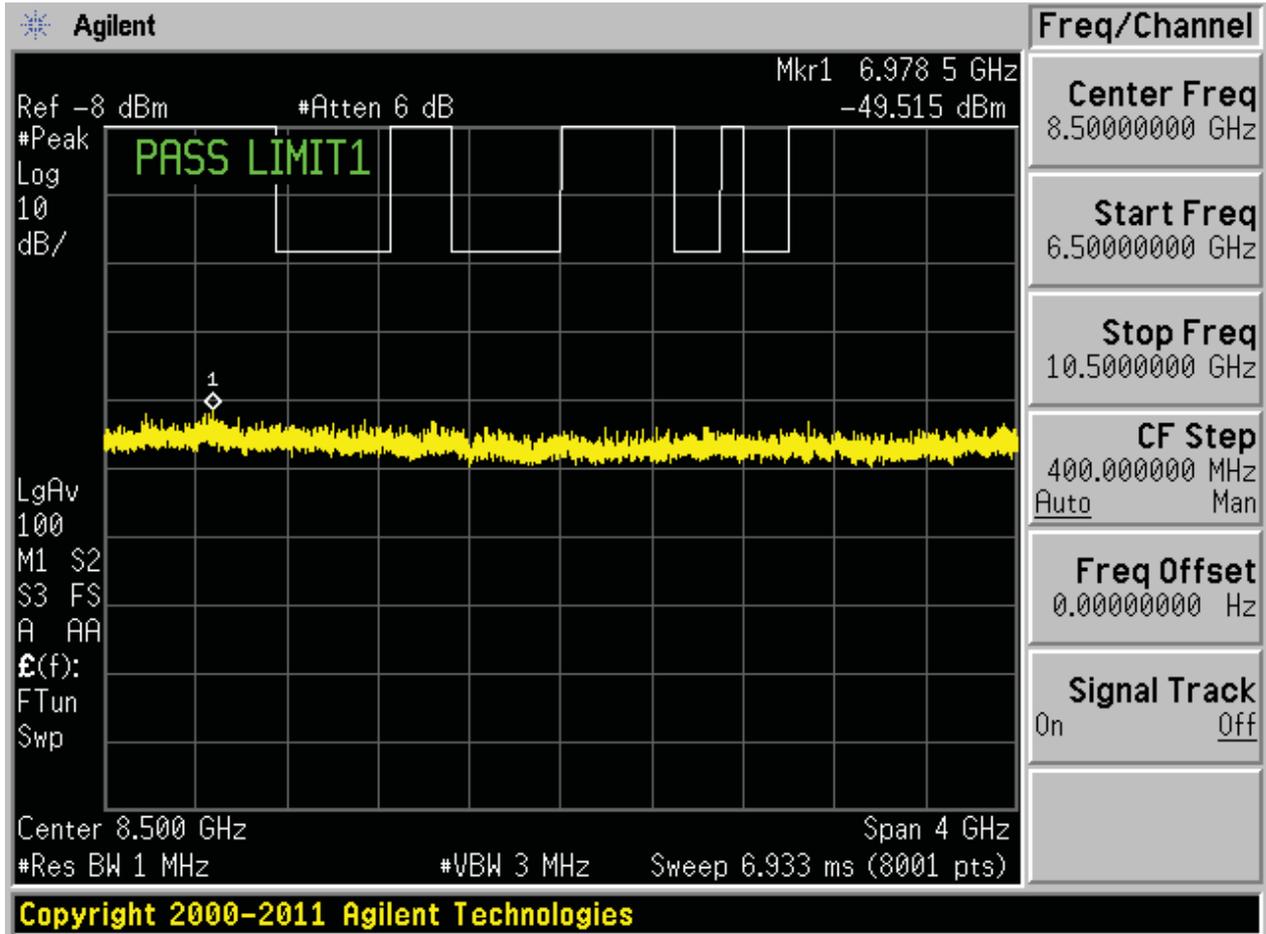


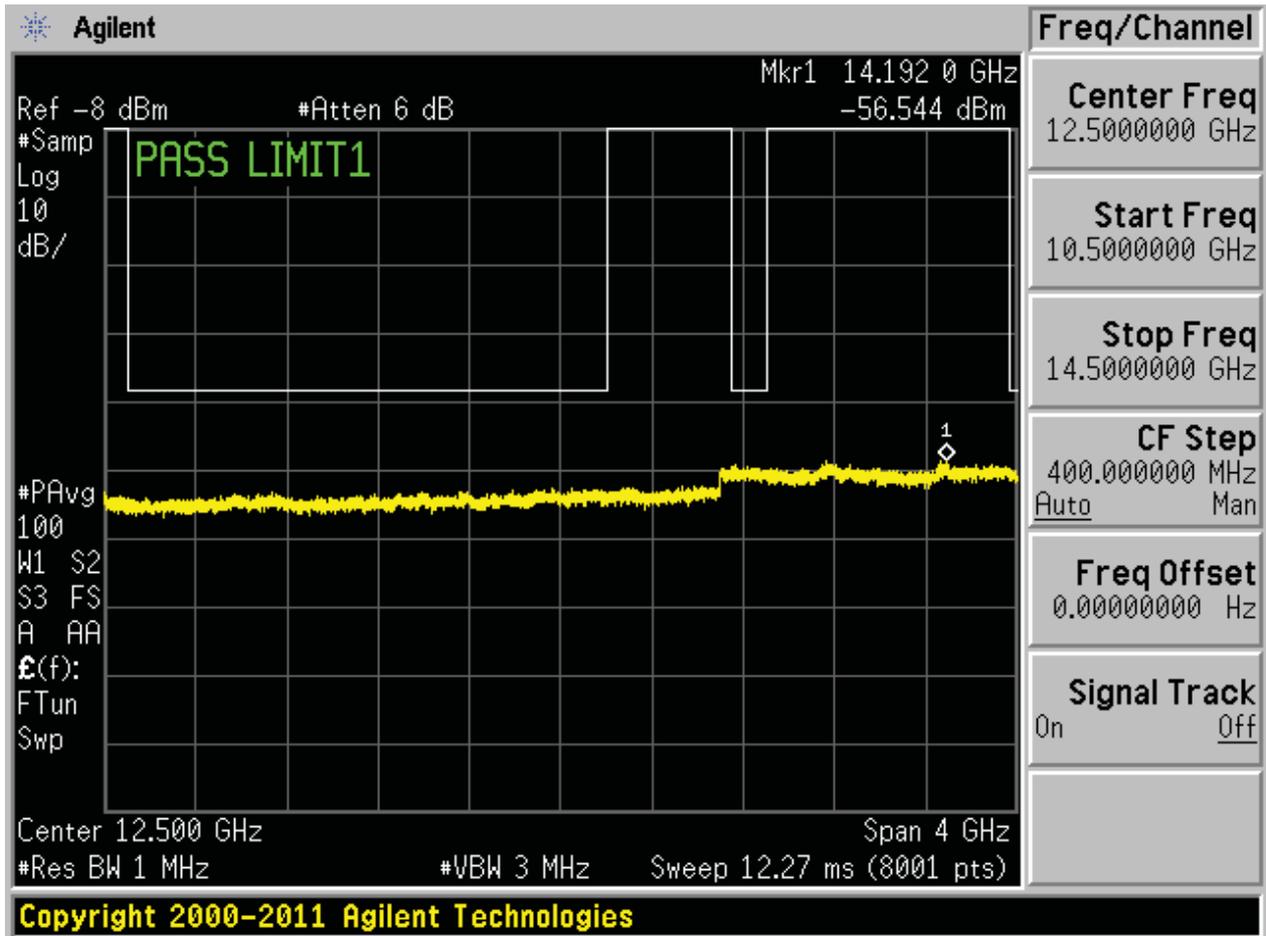


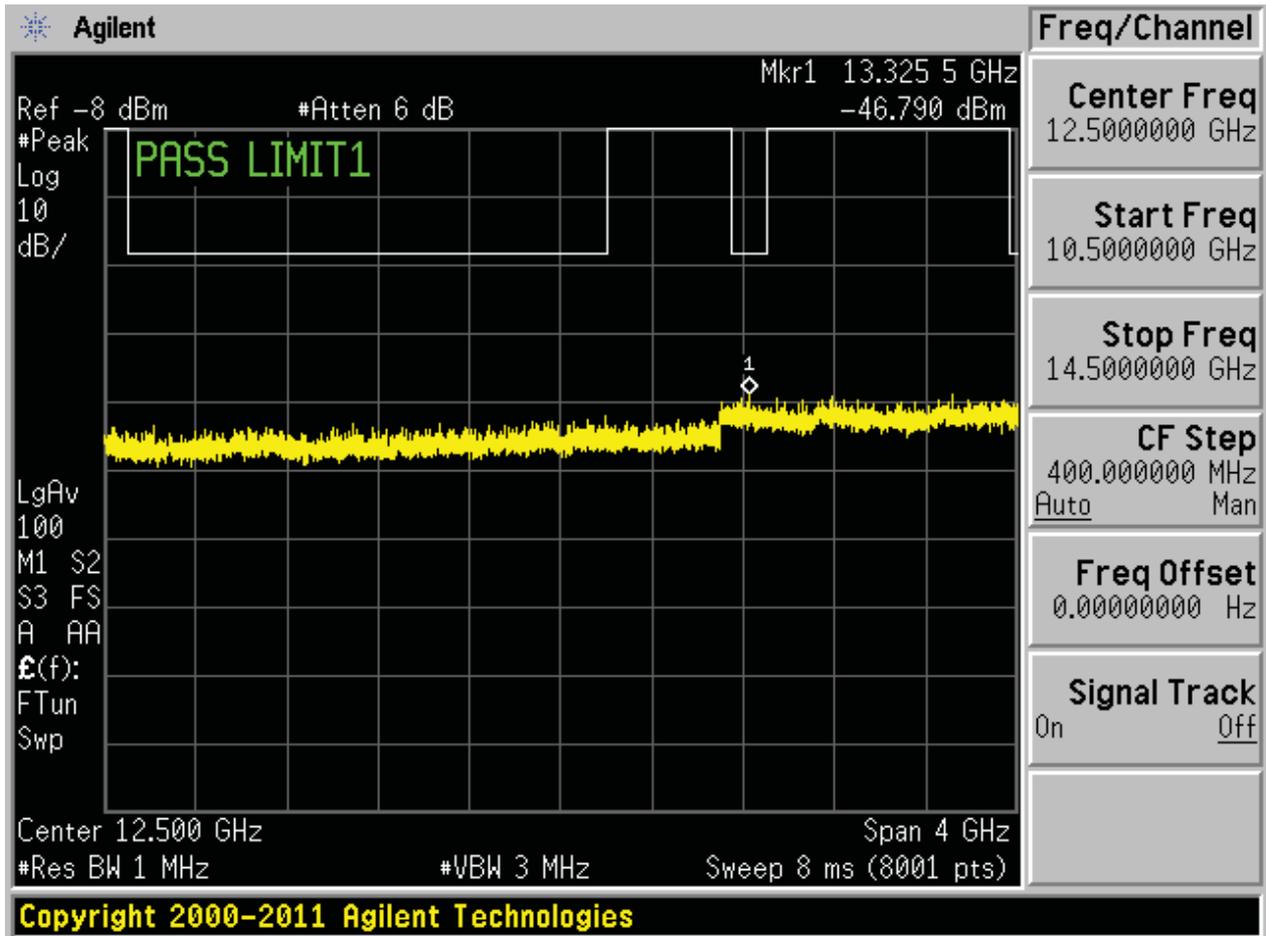


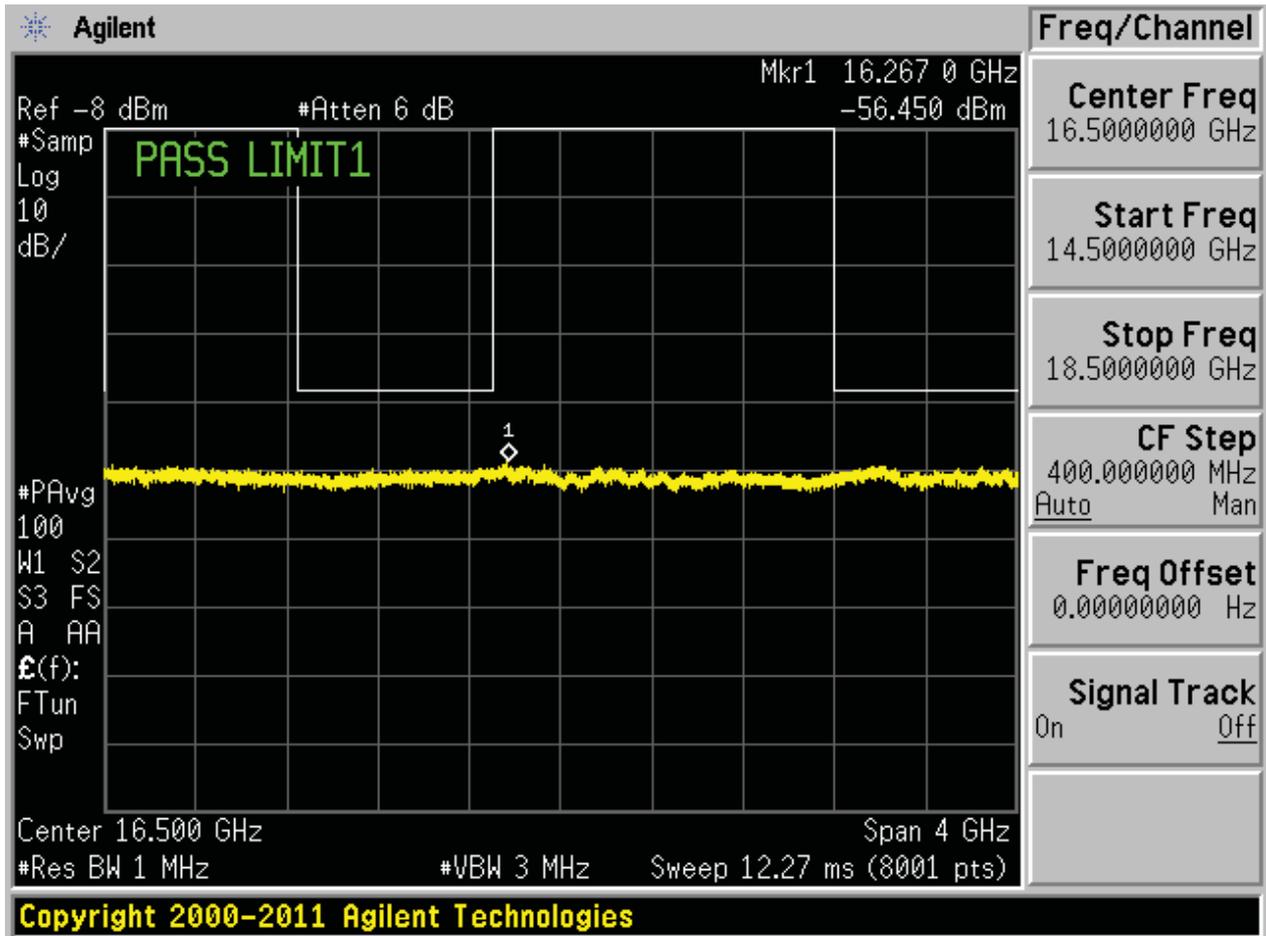


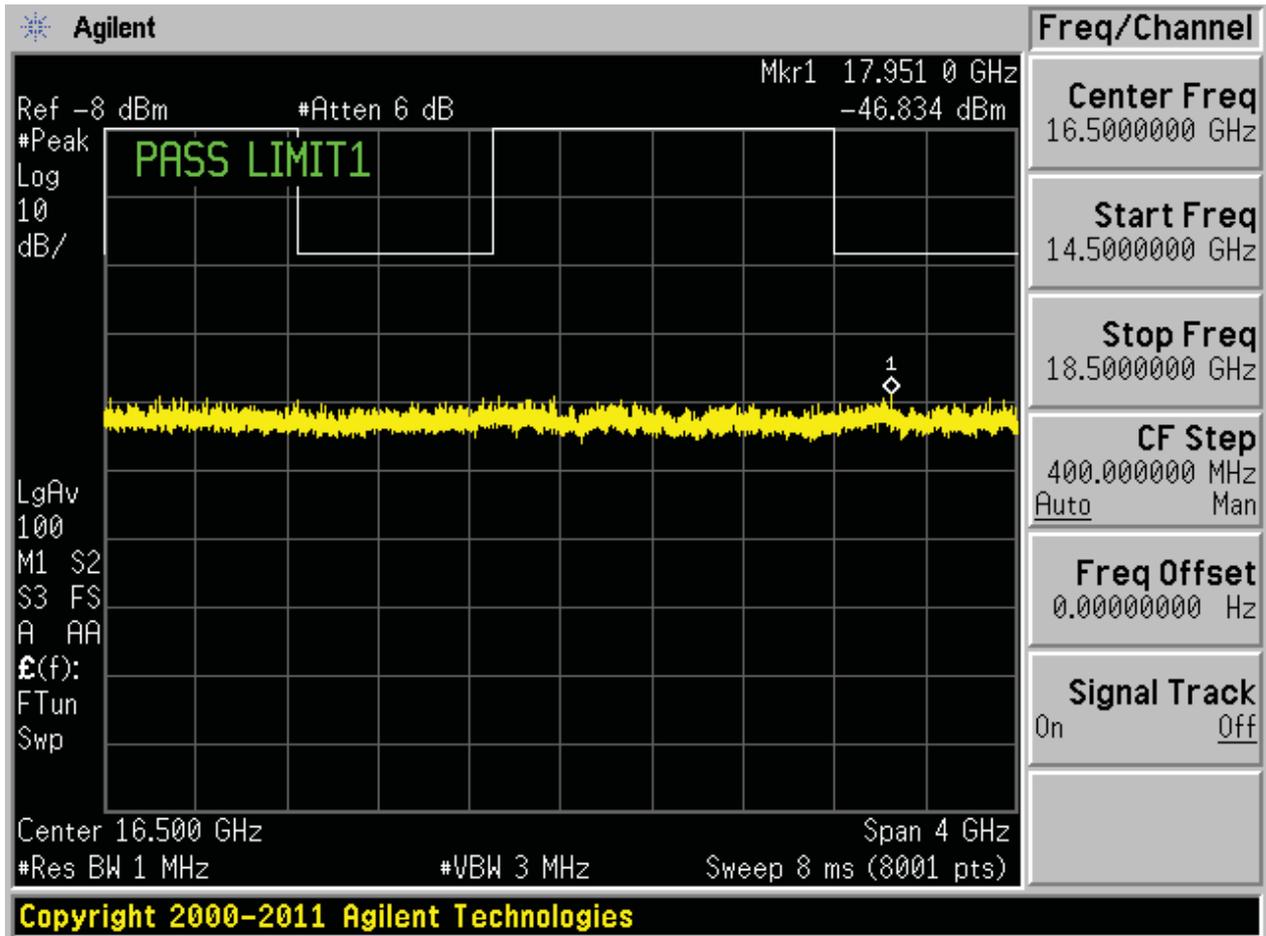


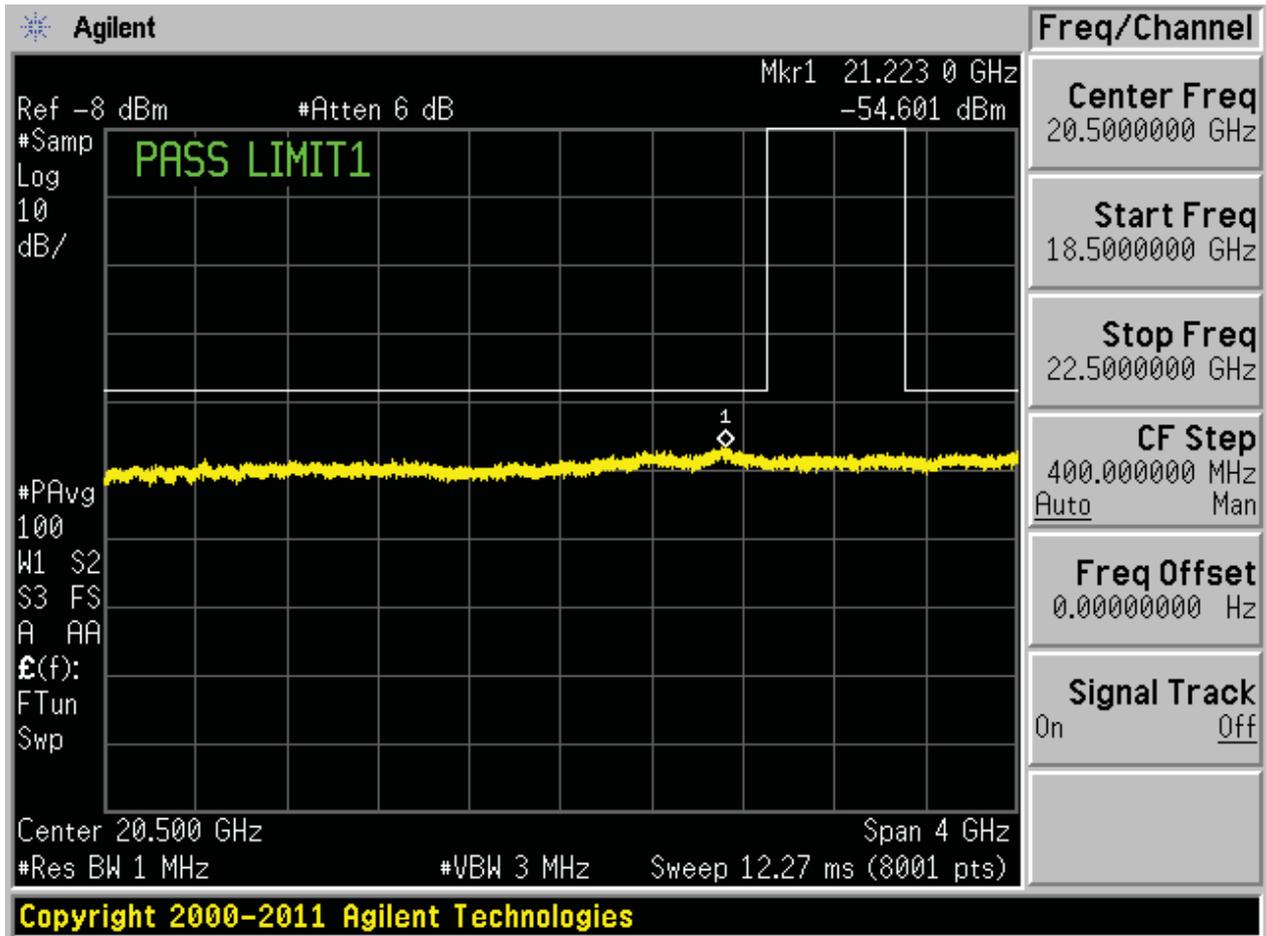


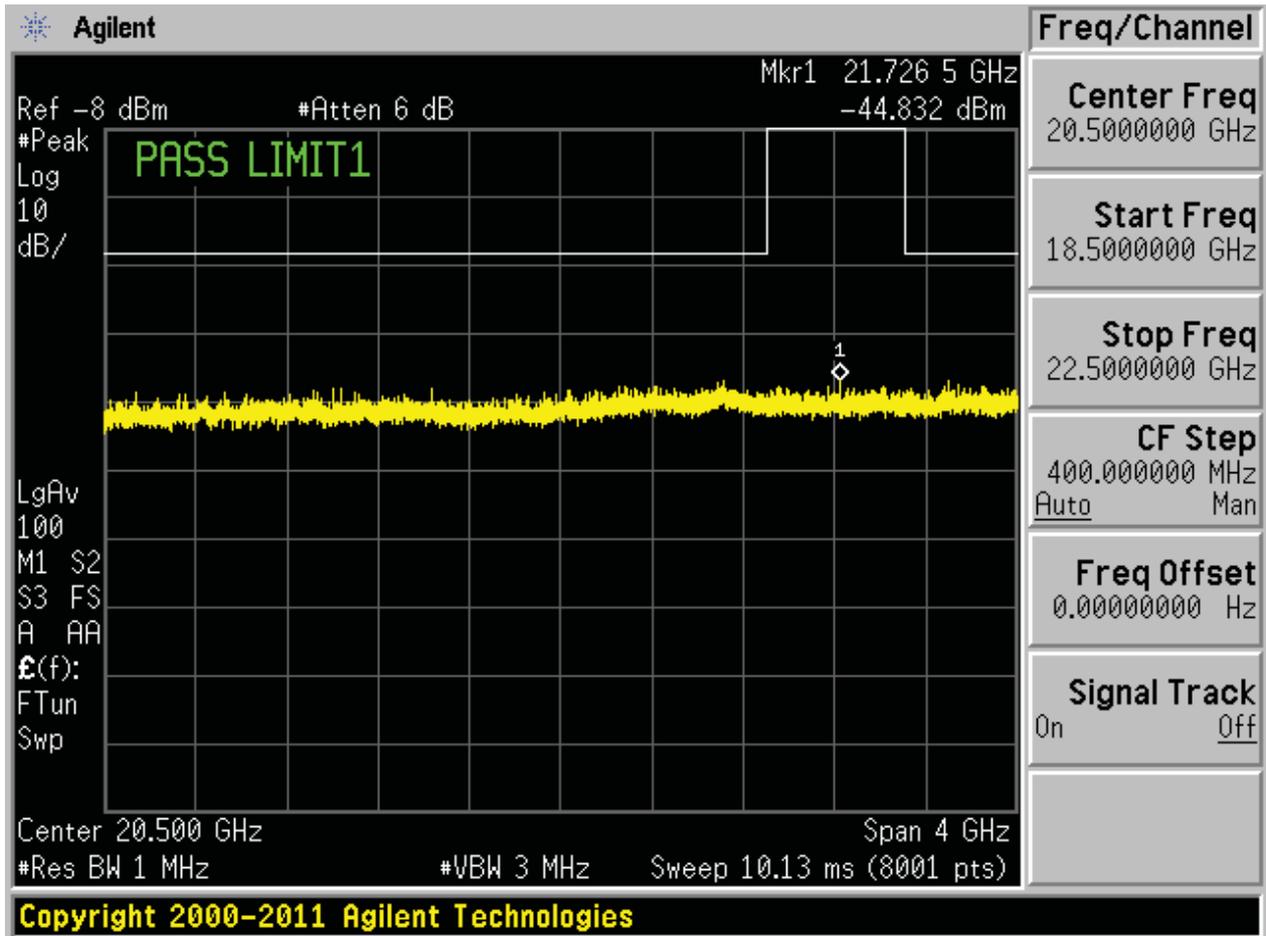




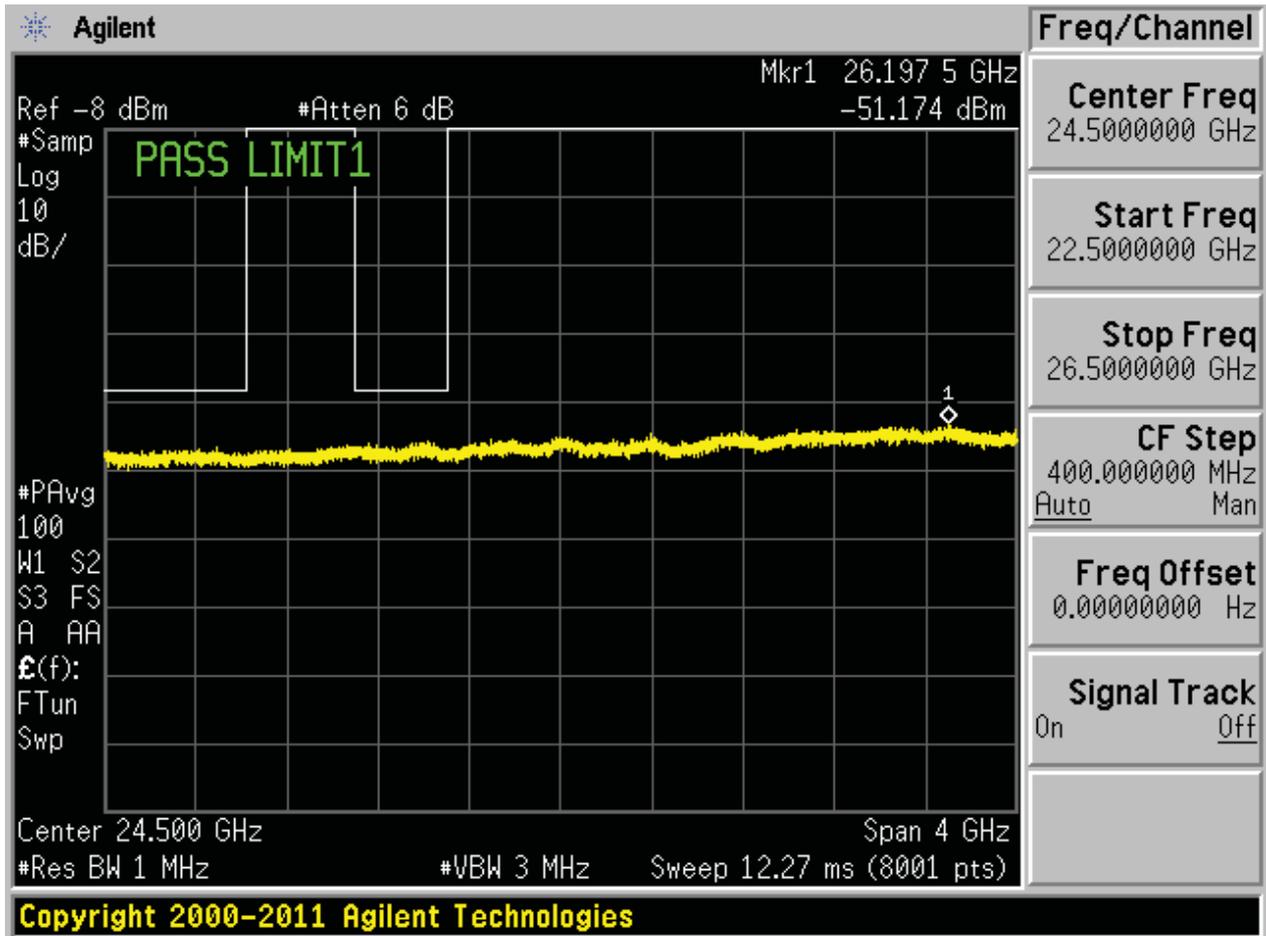


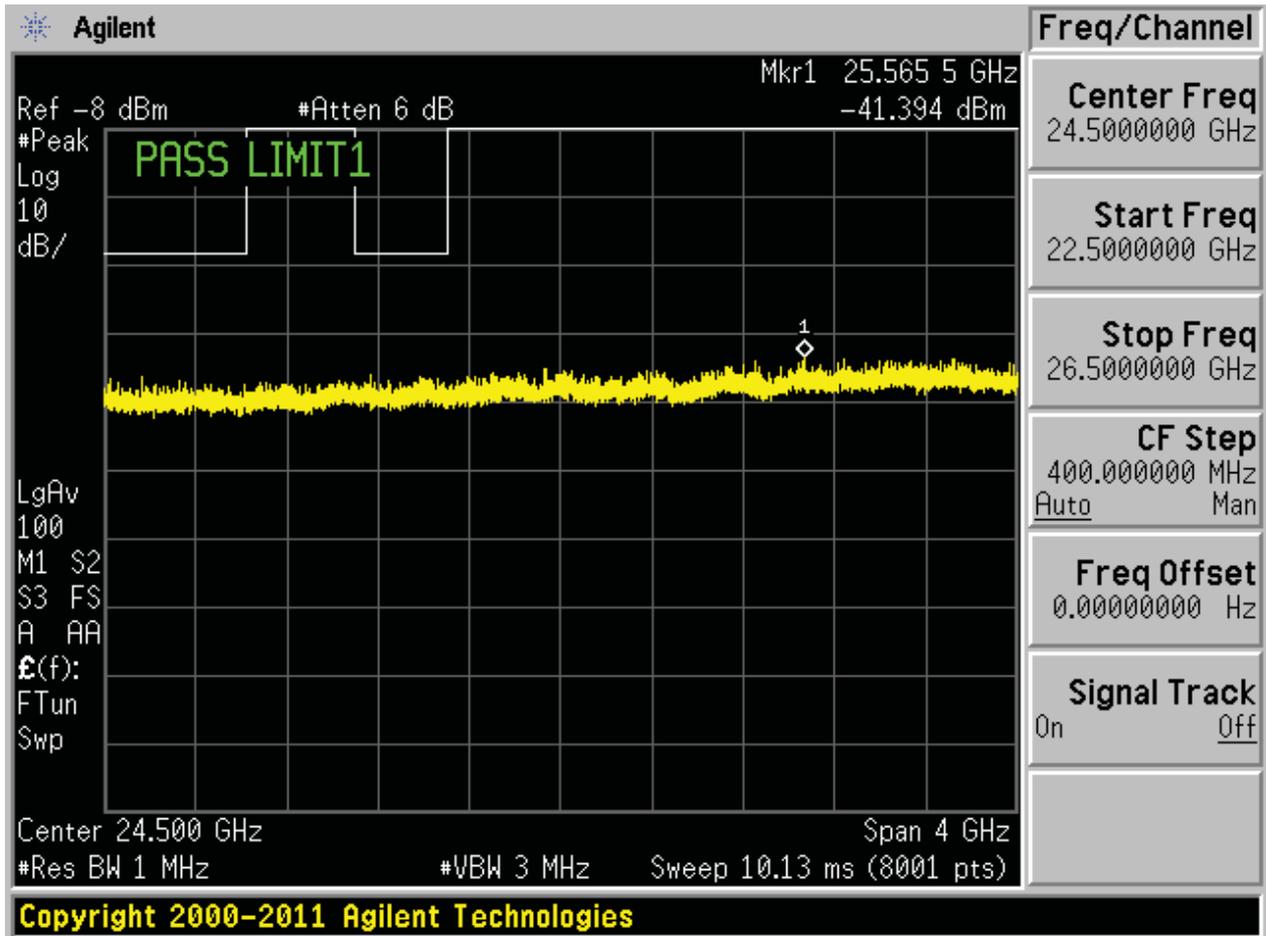


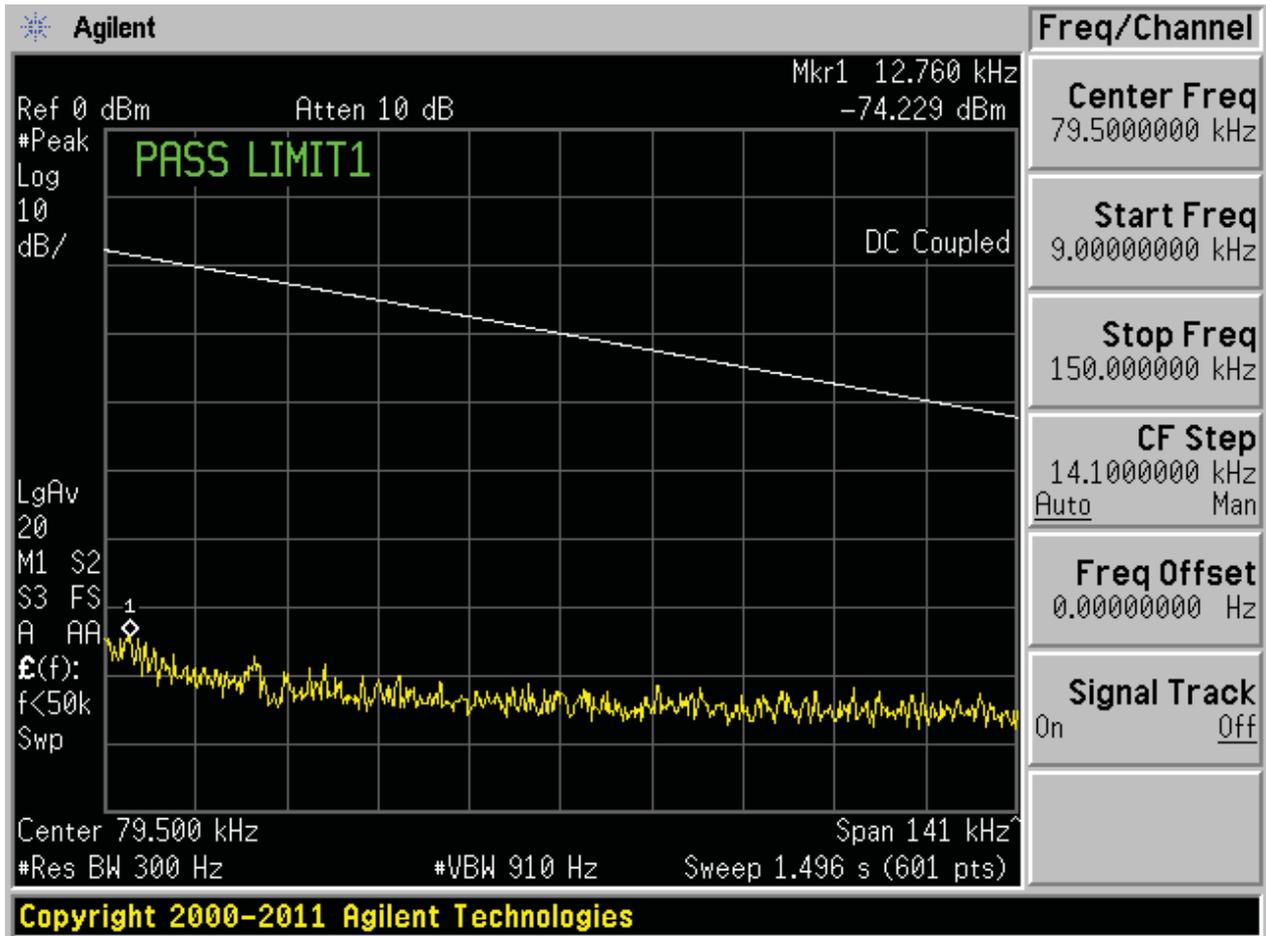


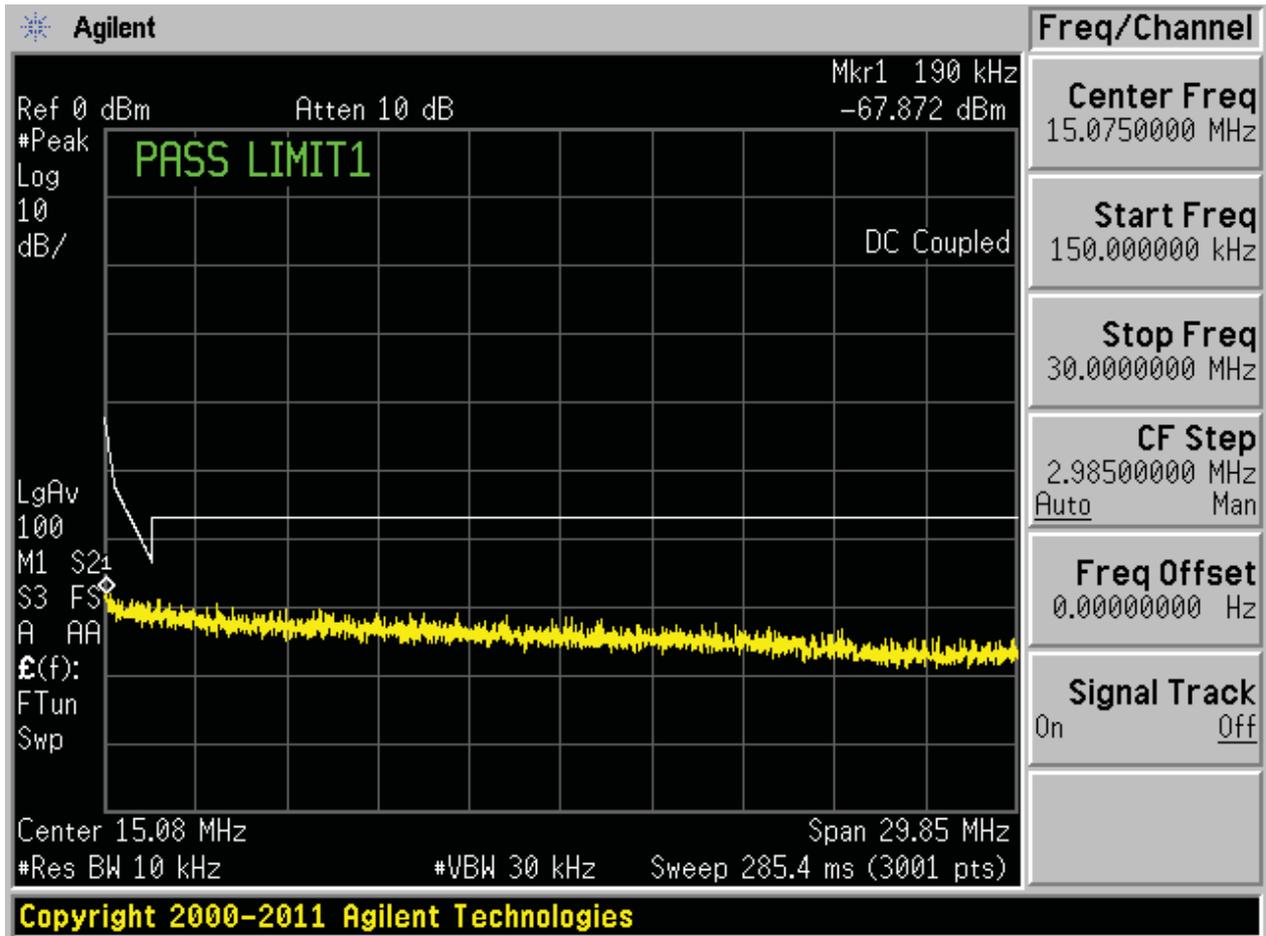


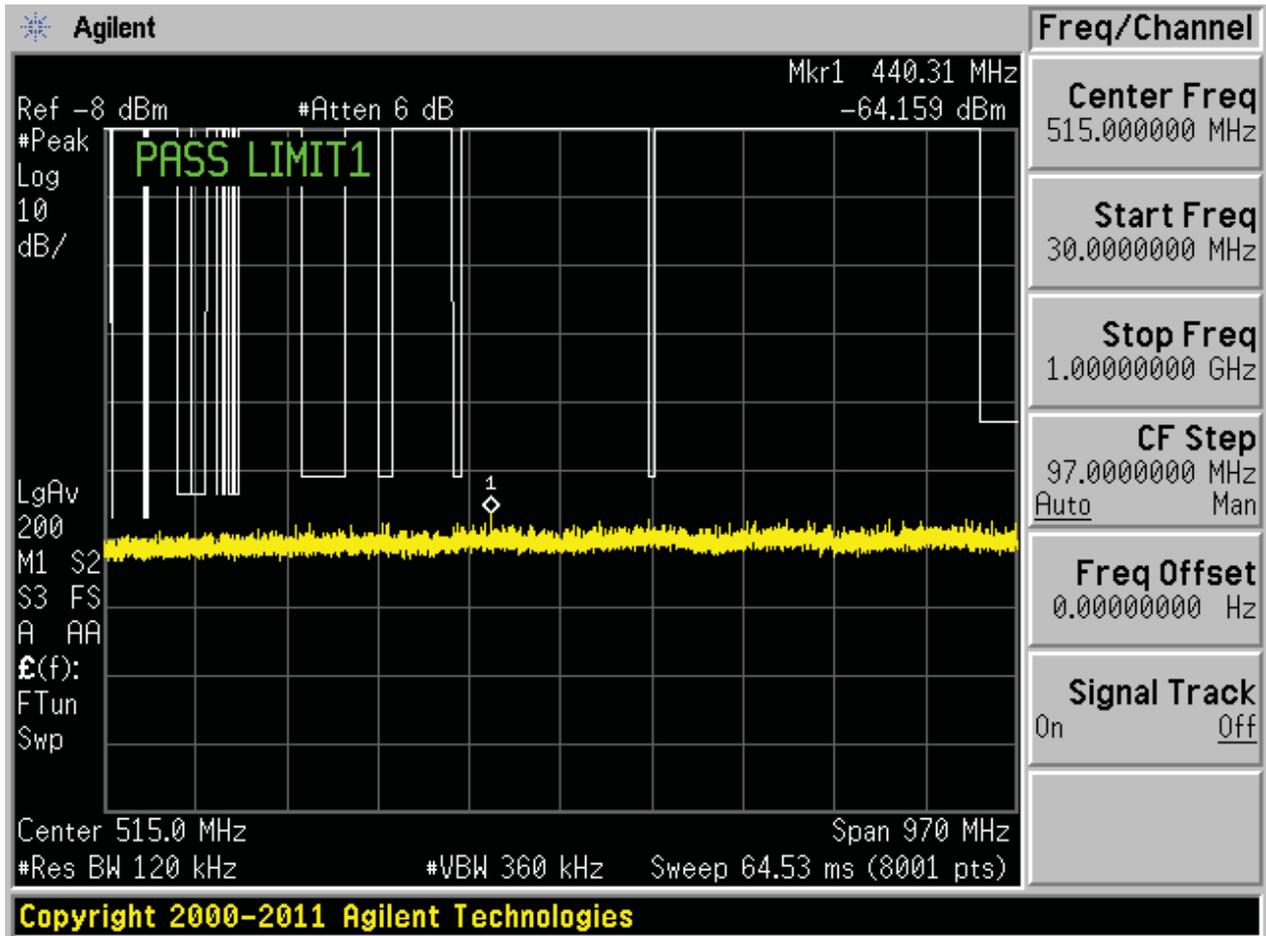
Copyright 2000-2011 Agilent Technologies

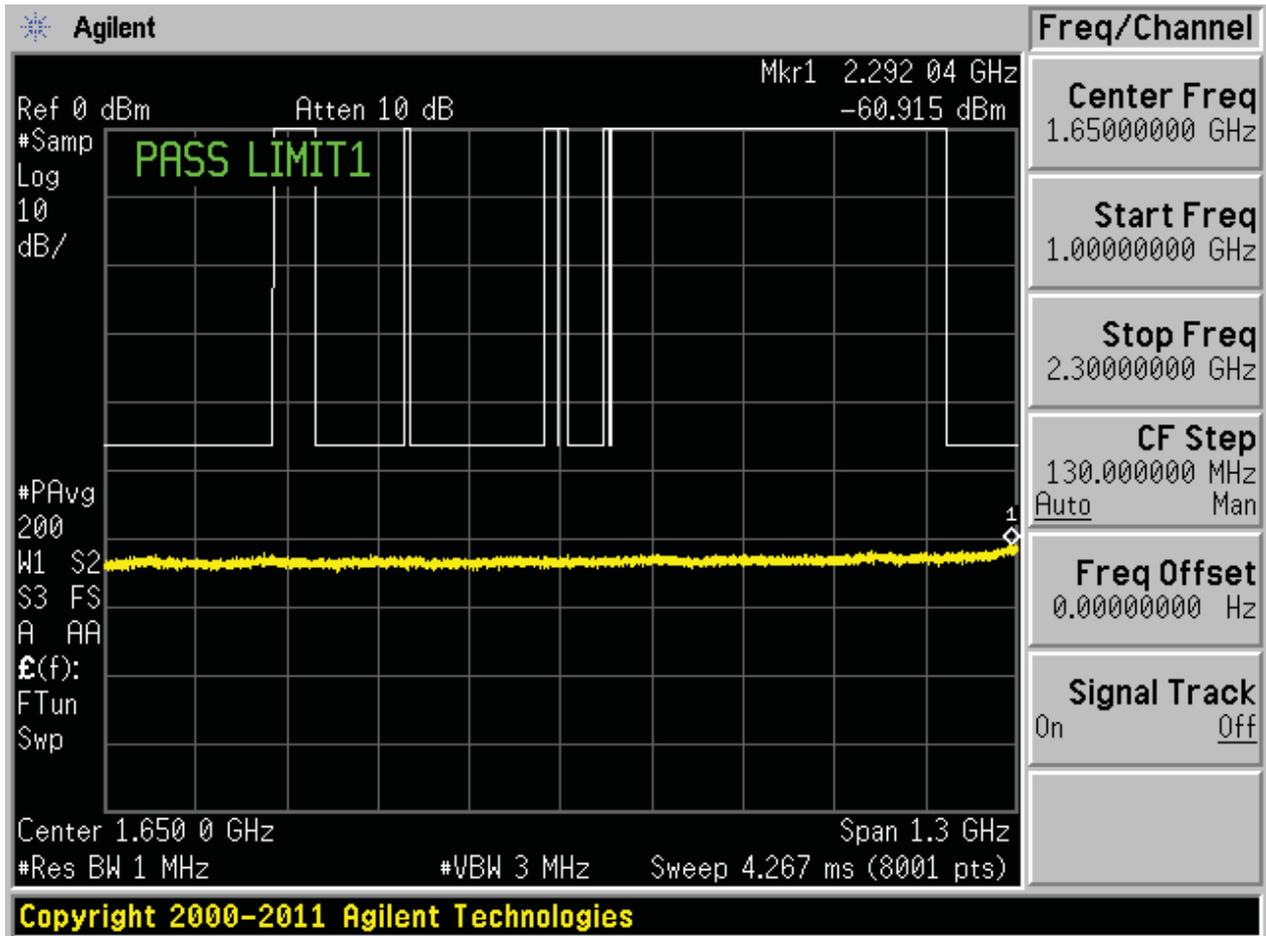


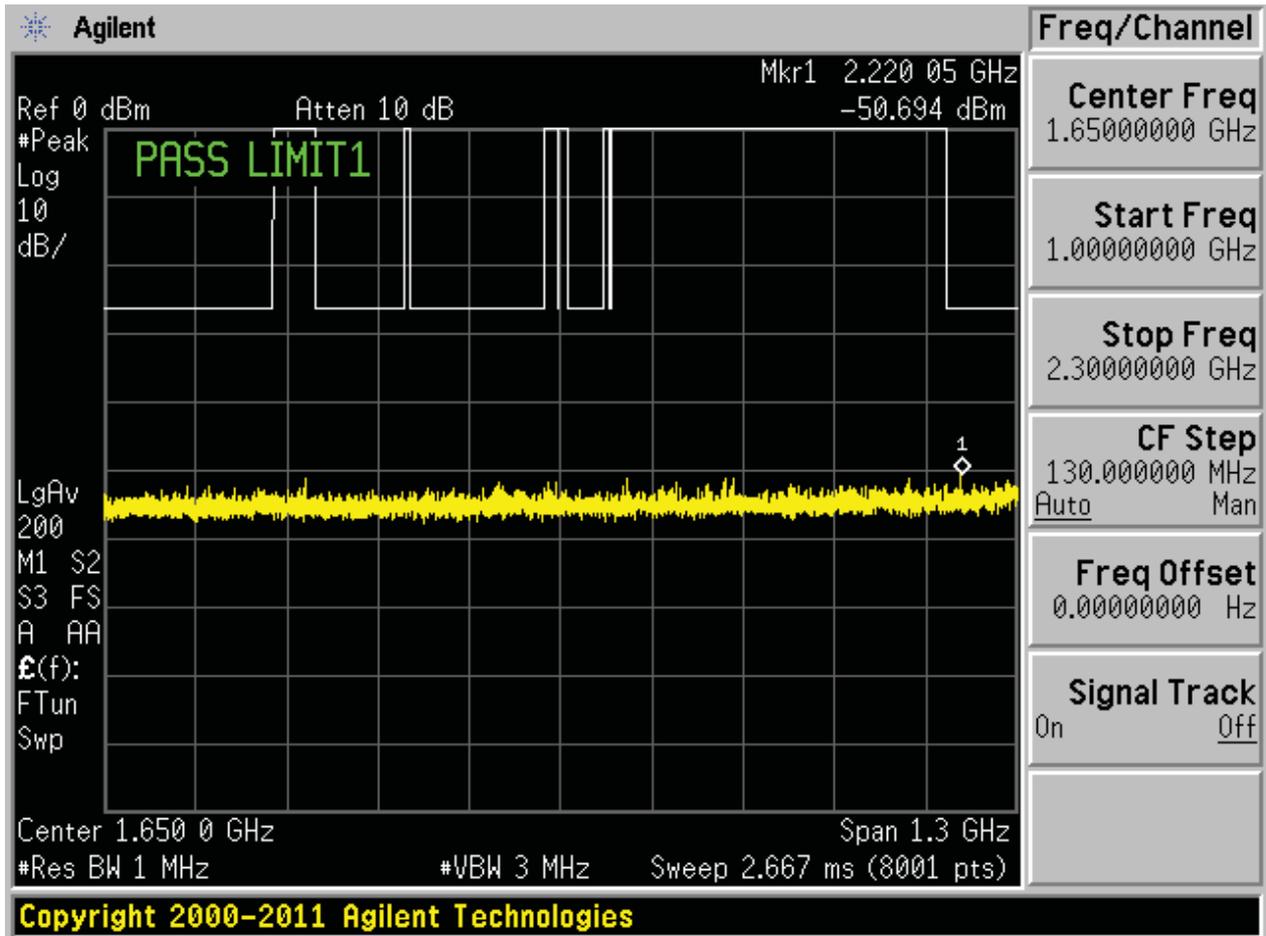


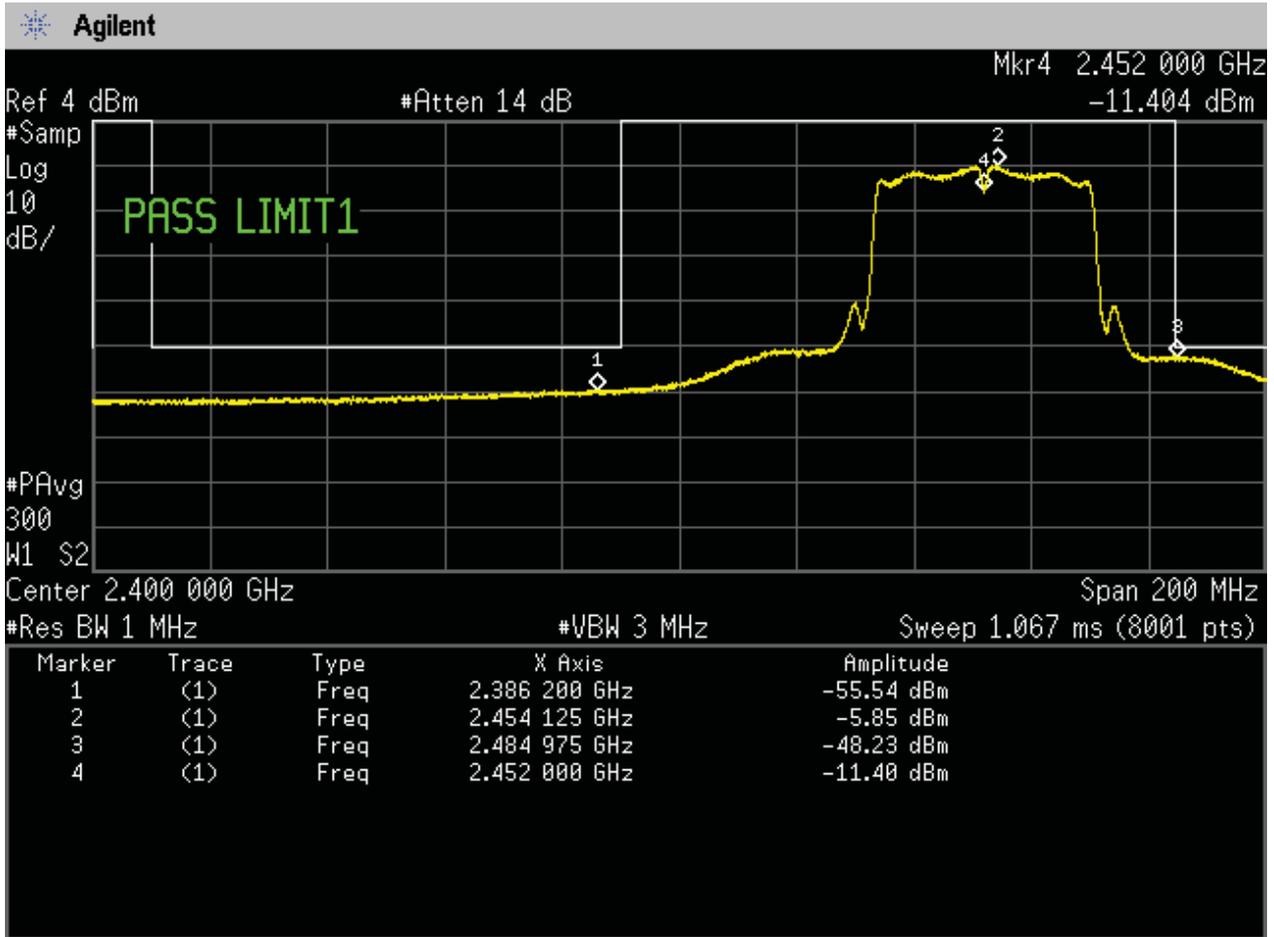














Appendix E.2: Unwanted Emissions into Restricted Frequency Bands (Radiated)

1 Result Table

NOTE 1: The whole testing range is from “30 MHz to 26.5 GHz (10th harmonics)” is divided into 4 parts according to the test site settings, which are:

- Part 1: Test range of “30 MHz to 1 GHz”,
- Part 2: Test range of “1 GHz to 3 GHz”,
- Part 3: Test range of “3 GHz to 18 GHz”.
- Part 4: Test range of “18 GHz to 26.5 GHz”.

NOTE 2: For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at all chains to get a final result. The result is the directly measured sum of each chain.

NOTE 3: In this Appendix, may only the test results and plots under the worst case are reported. The “< Limit” in results table denotes “Not found obvious spikes, or see marked spikes on plots or listed emissions in result tables”.

EUT Placement	Test Range	EUT Conf.	Maximum Emissions	Verdict
Flatwise	30 MHz to 1 GHz	Worst Case (11B/1_M@1)	< Limit	Pass
	1 GHz to 3 GHz	Worse Case(11B/1_M@1)	< Limit	Pass
		Worse Case(11B/1_T@1)	< Limit	Pass
		Worse Case(11G/6_B@2)	< Limit	Pass
		Worse Case(11N20/0_T@1)	< Limit	Pass
		Worse Case(11N40/0_B@2)	< Limit	Pass
		Worse Case(11N20m/8_M@1+2)	< Limit	Pass
		Worse Case(11N40m/8_M@1+2)	< Limit	Pass
	3 GHz to 18 GHz	Worse Case (11B/1_M@1)	< Limit	Pass
		Worse Case (11G/6_M@1)	< Limit	Pass
		Worse Case (11N20/0_M@1)	< Limit	Pass
		Worse Case (11N40/0_M@1)	< Limit	Pass
		Worse Case (11N20m/8_M@1+2)	< Limit	Pass
		Worse Case (11N40m/8_M@1+2)	< Limit	Pass
	18 GHz to 26.5 GHz	Worst Case (11B/1_M@1)	< Limit	Pass

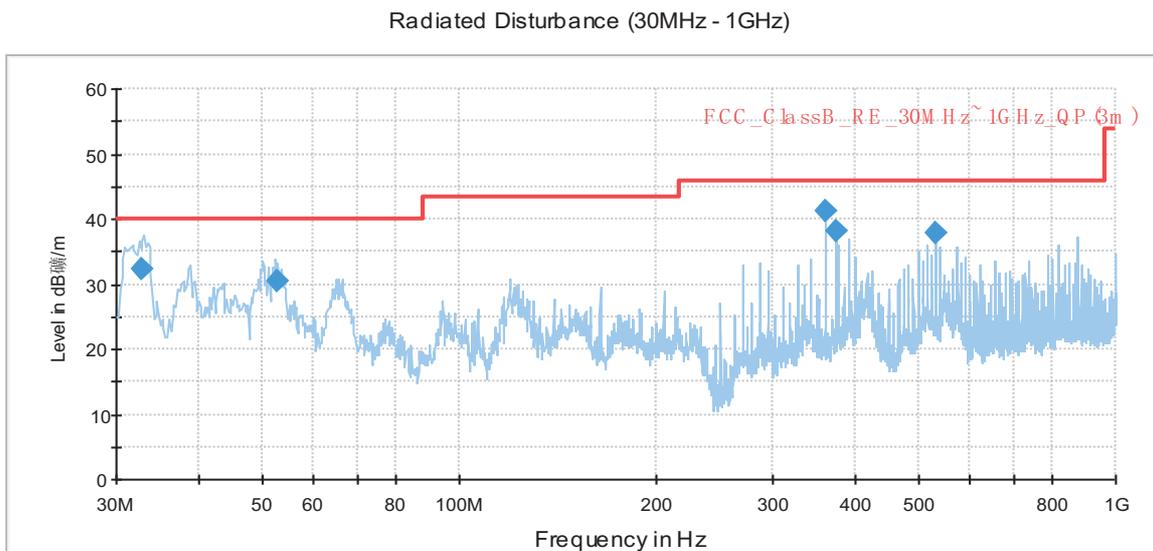
2 Result Plot

2.1 EUT Placement: Flatwise

2.1.1 Test range of “30 MHz to 1 GHz”

2.1.1.1 Worst Case (11B/1_M@1)

Note: QP detect mode

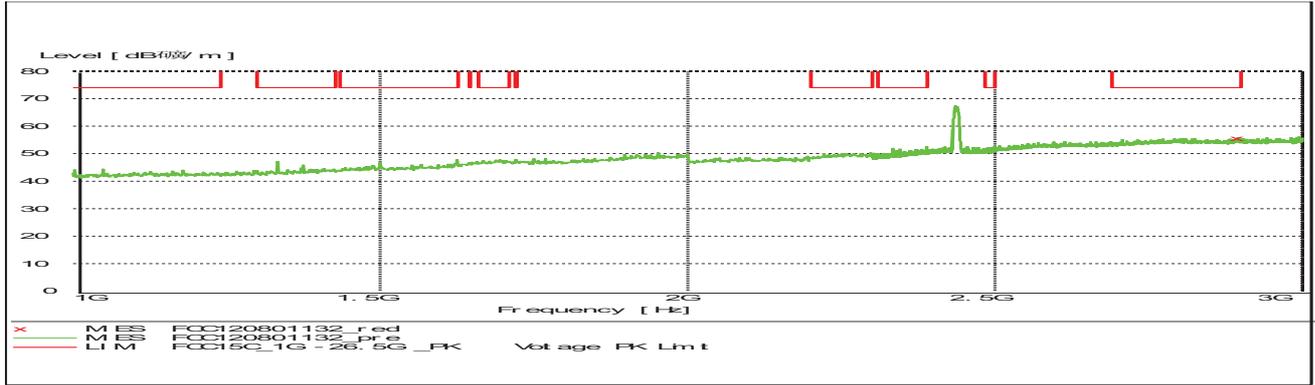


Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
32.040600	33.6	1000.0	120.000	100.0	V	95.0	-29.2	6.4	40.0	
52.987000	30.6	1000.0	120.000	100.0	V	252.0	-28.2	9.4	40.0	
375.022500	39.2	1000.0	120.000	100.0	H	19.0	-22.6	6.8	46.0	
532.475500	39.8	1000.0	120.000	190.0	H	1.0	-18.7	6.2	46.0	
598.051500	37.3	1000.0	120.000	100.0	V	12.0	-16.8	8.7	46.0	

2.1.2 Test range of “1 GHz to 3 GHz”

2.1.2.1 Worse Case(11B/1_M@1)

Note: Peak detect mode



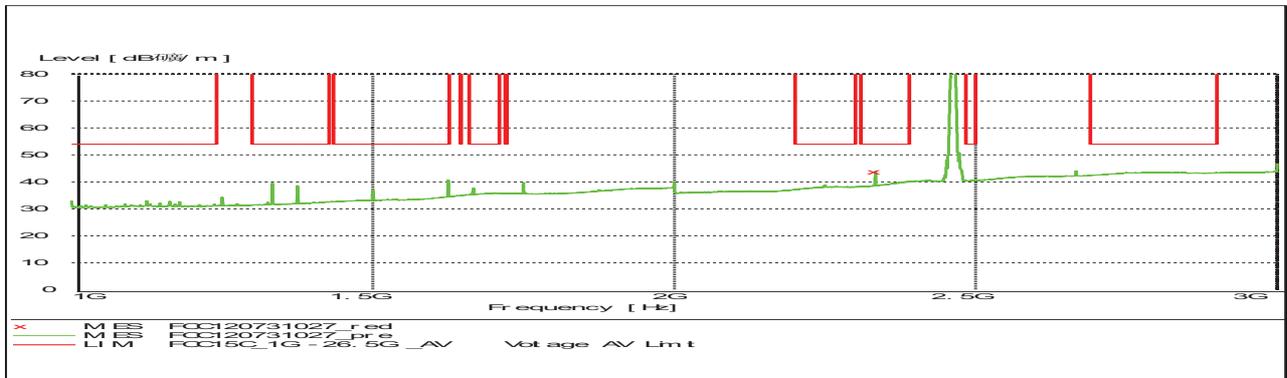
MEASUREMENT RESULT: "FCC120801132_red"

2012-8-1 20:34

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth cm	Polarization deg
2894.400000	55.80	3.5	74.0	18.2	---	100.0	180.00	HORIZONTAL

2.1.2.2 Worse Case(11B/1_T@1)

Note: Average detect mode



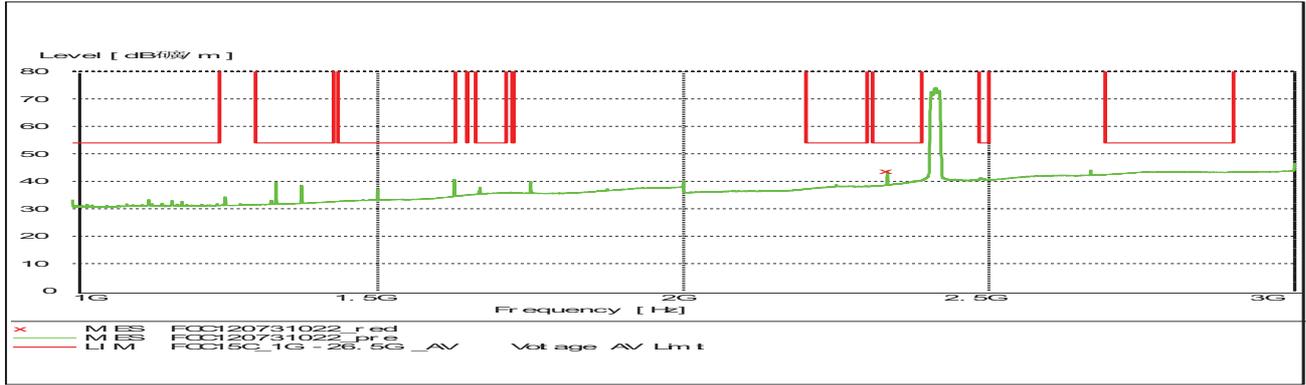
MEASUREMENT RESULT: "FCC120731027_red"

2012-7-31 22:34

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth cm	Polarization deg
2333.280000	43.80	0.3	54.0	10.2	---	100.0	180.00	VERTICAL

2.1.2.3 Worse Case(11G/6_B@2)

Note: Average detect mode



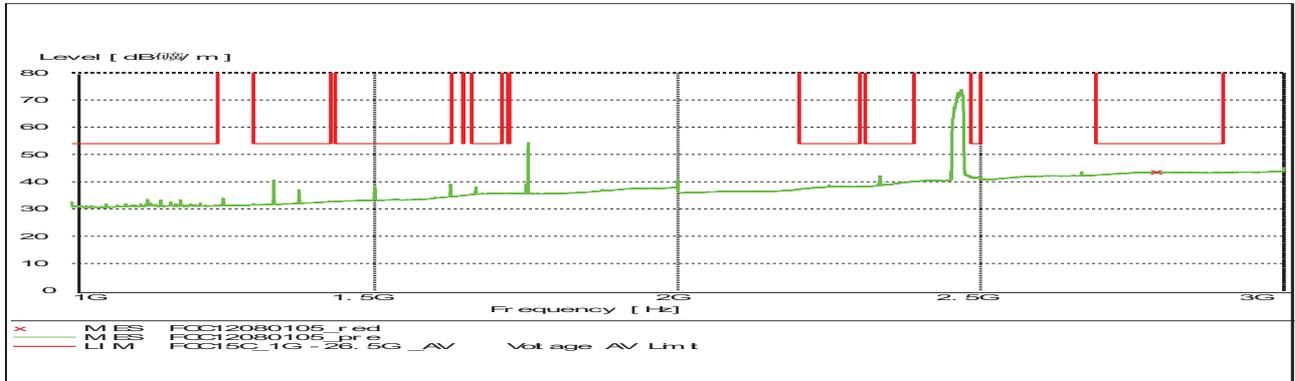
MEASUREMENT RESULT: "FCC120731022_red"

2012-7-31 21:49

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det. dB	Height cm	Azimuth cm	Polarization deg
2333.280000	43.80	0.3	54.0	10.2	---	100.0	180.00	VERTICAL

2.1.2.4 Worse Case(11N20/0_T@1)

Note: Average detect mode



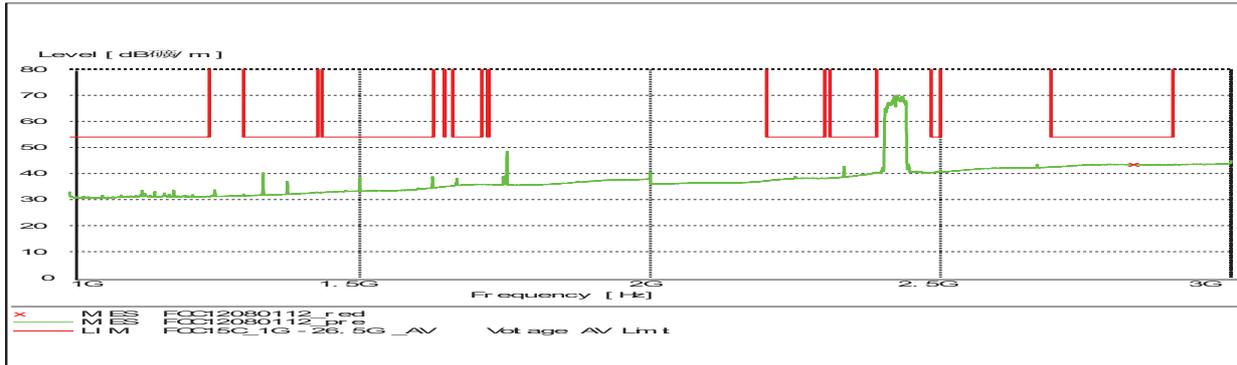
MEASUREMENT RESULT: "FCC12080105_red"

2012-8-1 16:39

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det. dB	Height cm	Azimuth cm	Polarization deg
2792.800000	43.70	3.2	54.0	10.3	---	100.0	90.00	HORIZONTAL

2.1.2.5 Worse Case(11N40/0_B@2)

Note: Average detect mode



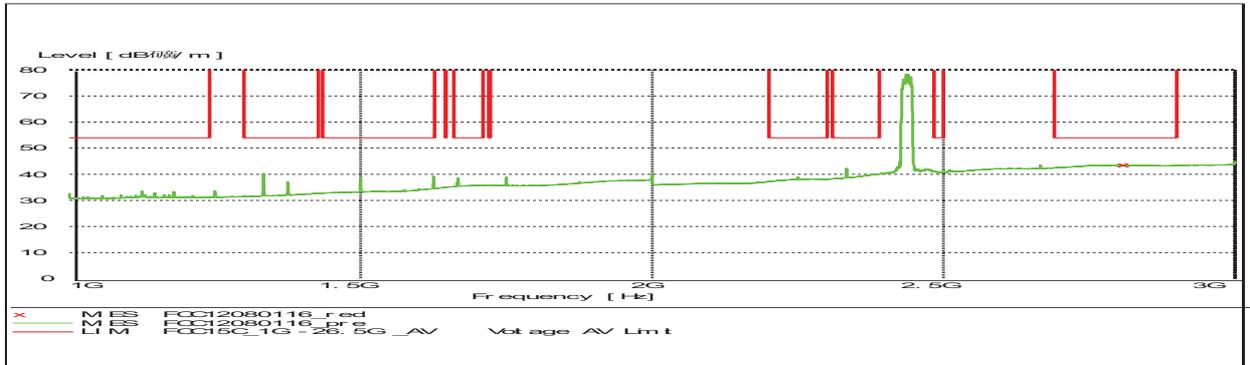
MEASUREMENT RESULT: "FCC12080112_red"

2012-8-1 17:40

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det. dB	Height cm	Azimuth cm	Polarization deg
2836.000000	43.70	3.3	54.0	10.3	---	100.0	0.00	VERTICAL

2.1.2.6 Worse Case(11N20m/8_M@1+2)

Note: Average detect mode



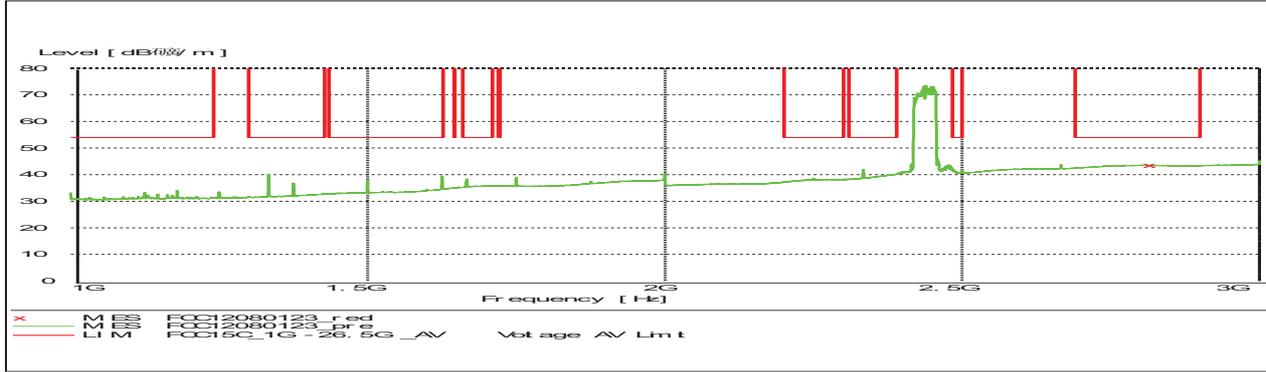
MEASUREMENT RESULT: "FCC12080116_red"

2012-8-1 18:11

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det. dB	Height cm	Azimuth cm	Polarization deg
2810.000000	43.70	3.2	54.0	10.3	---	200.0	0.00	HORIZONTAL

2.1.2.7 Worse Case(11N40m/8_M@1+2)

Note: Average detect mode



MEASUREMENT RESULT: "FCC12080123_red"

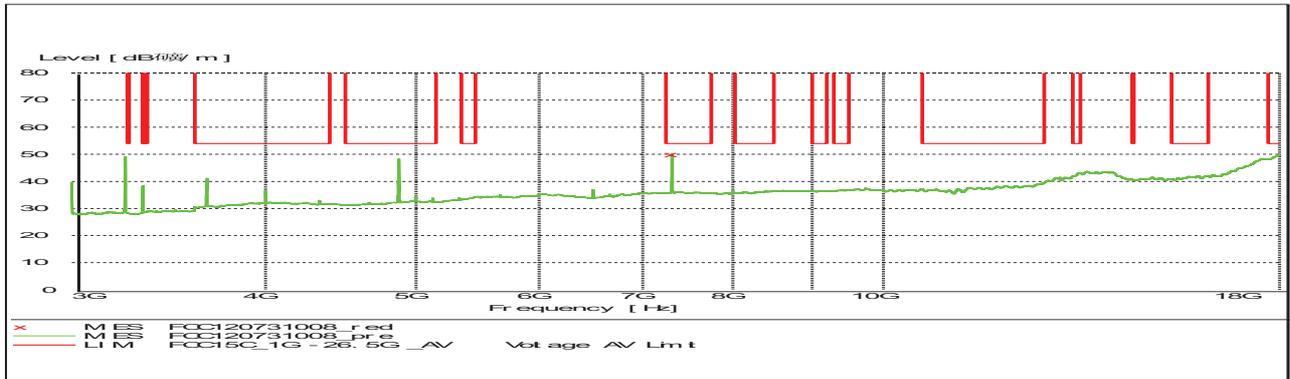
2012-8-1 19:14

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization deg
2817.600000	43.70	3.2	54.0	10.3	---	100.0	270.00	HORIZONTAL

2.1.3 Test range of "3 GHz to 18 GHz"

2.1.3.1 Worse Case(11B/1_M@1)

Note: Average detect mode



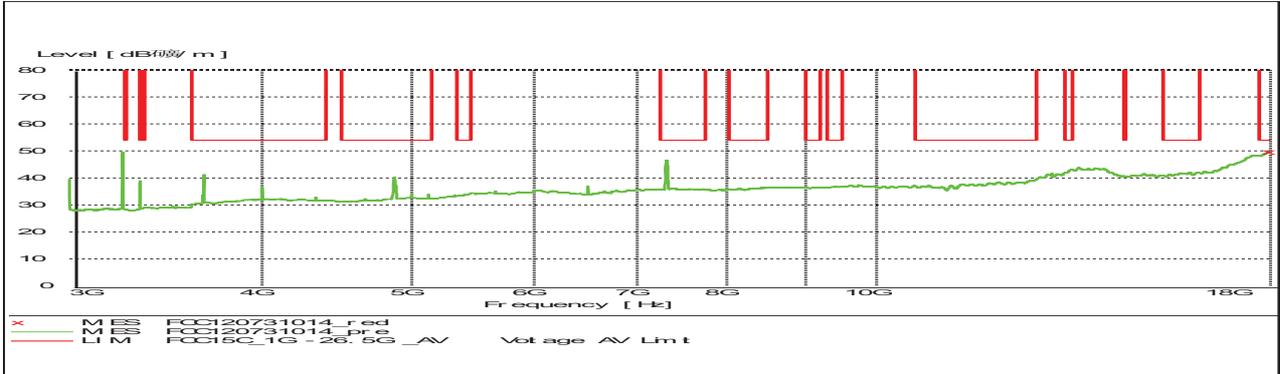
MEASUREMENT RESULT: "FCC120731008_red"

2012-7-31 10:10

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization deg
7309.600000	50.00	11.4	54.0	4.0	---	200.0	270.00	HORIZONTAL

2.1.3.2 Worse Case(11G/6_M@1)

Note: Average detect mode



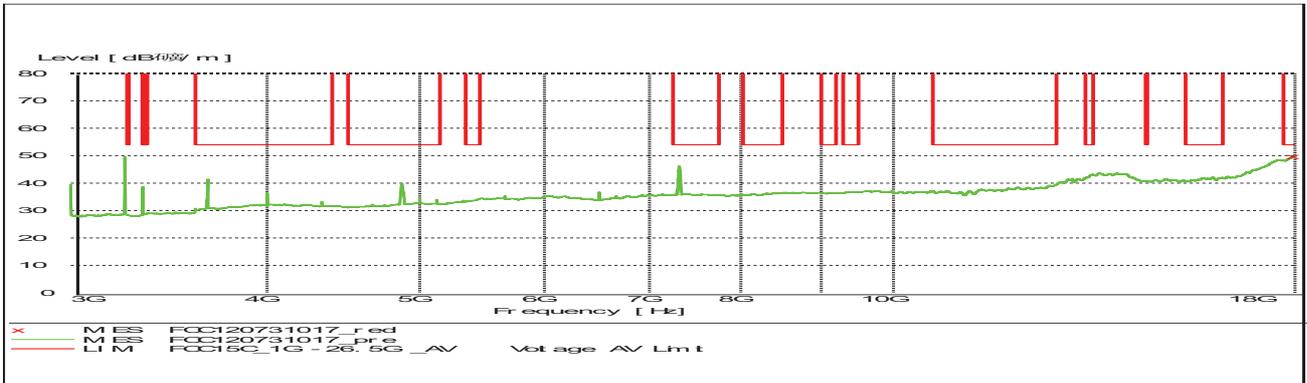
MEASUREMENT RESULT: "FCC120731014_red"

2012-7-31 11:55

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization deg
18000.000000	49.80	29.5	54.0	4.2	---	100.0	90.00	VERTICAL

2.1.3.3 Worse Case(11N20/0_M@1)

Note: Average detect mode



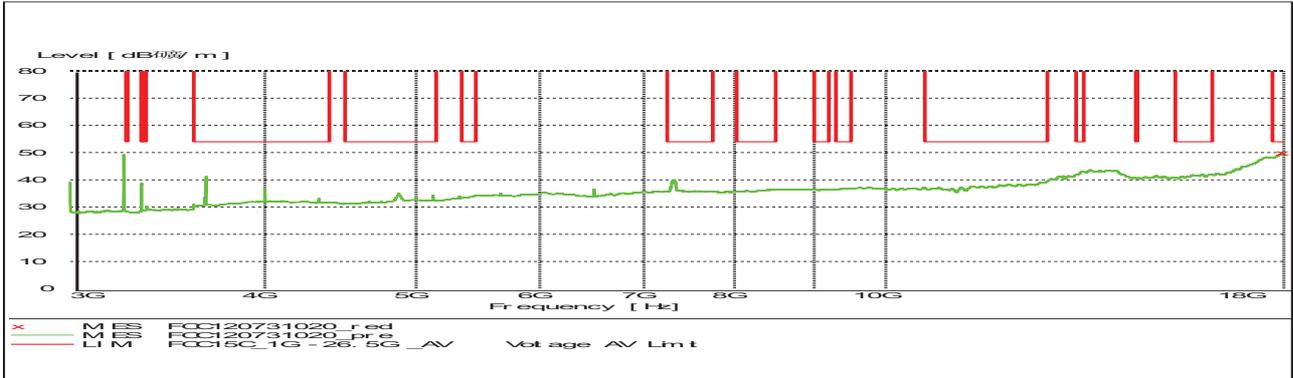
MEASUREMENT RESULT: "FCC120731017_red"

2012-7-31 12:37

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization deg
17985.600000	49.80	29.4	54.0	4.2	---	100.0	270.00	HORIZONTAL

2.1.3.4 Worse Case(11N40/0_M@1)

Note: Average detect mode



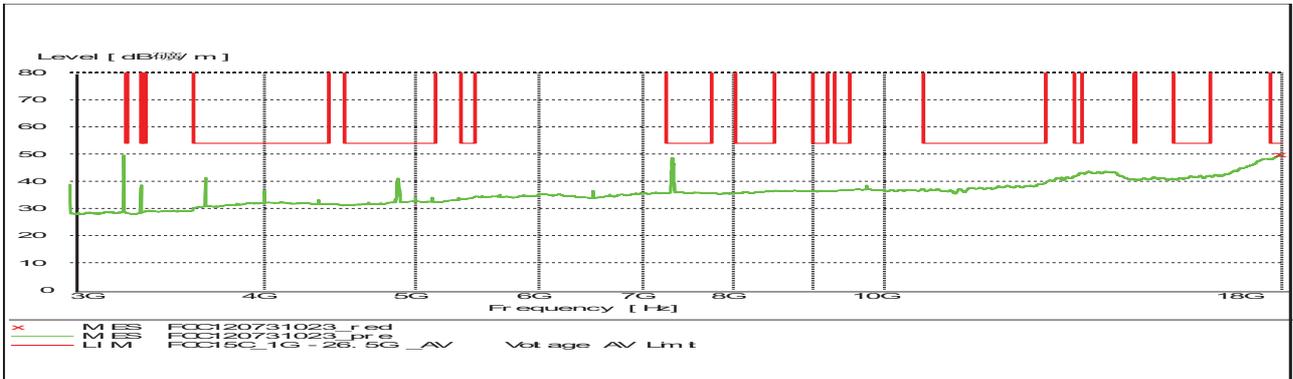
MEASUREMENT RESULT: "FCC120731020_red"

2012-7-31 13:35

Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
MHz	dBµV/m	dB	dBµV/m	dB	dB	cm	deg	deg
18000.000000	49.80	29.5	54.0	4.2	---	100.0	270.00	HORIZONTAL

2.1.3.5 Worse Case(11N20m/8_M@1+2)

Note: Average detect mode



MEASUREMENT RESULT: "FCC120731023_red"

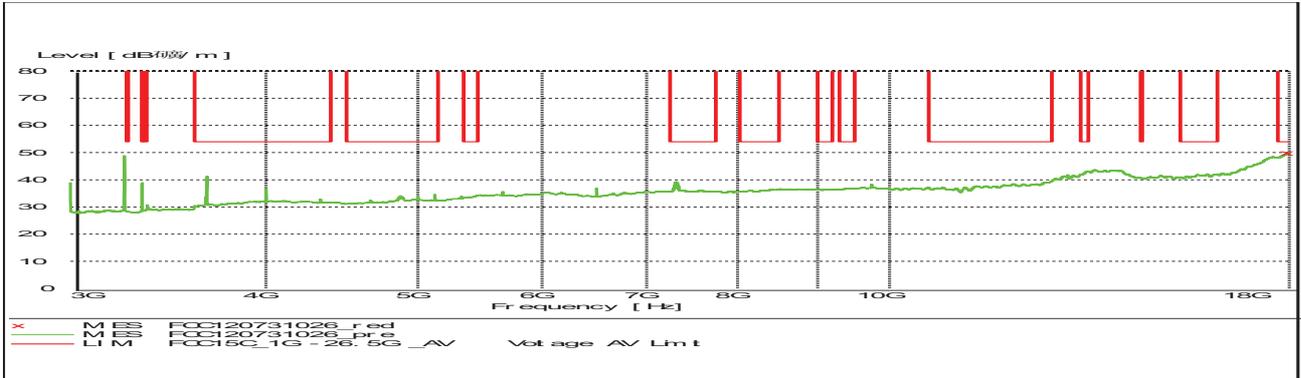
2012-7-31 14:28

Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
MHz	dBµV/m	dB	dBµV/m	dB	dB	cm	deg	deg
18000.000000	49.80	29.5	54.0	4.2	---	200.0	90.00	HORIZONTAL



2.1.3.6 Worse Case(11N40m/8_M@1+2)

Note: Average detect mode



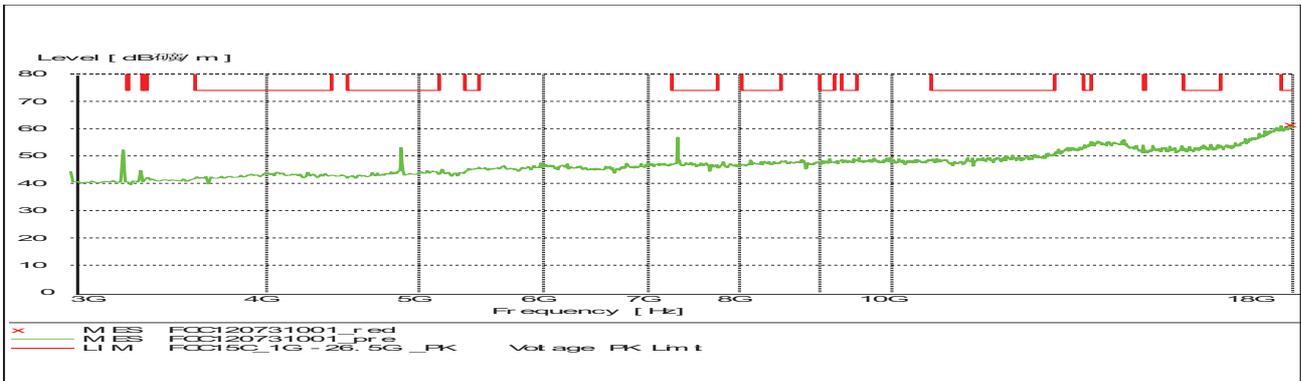
MEASUREMENT RESULT: "FCC120731026_red"

2012-7-31 15:12

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth cm	Polarization deg
17989.600000	49.80	29.4	54.0	4.2	---	100.0	0.00	HORIZONTAL

2.1.3.7 Worse Case(11N40m/8_M@1+2)

Note: Peak detect mode



MEASUREMENT RESULT: "FCC120731001_red"

2012-7-31 16:01

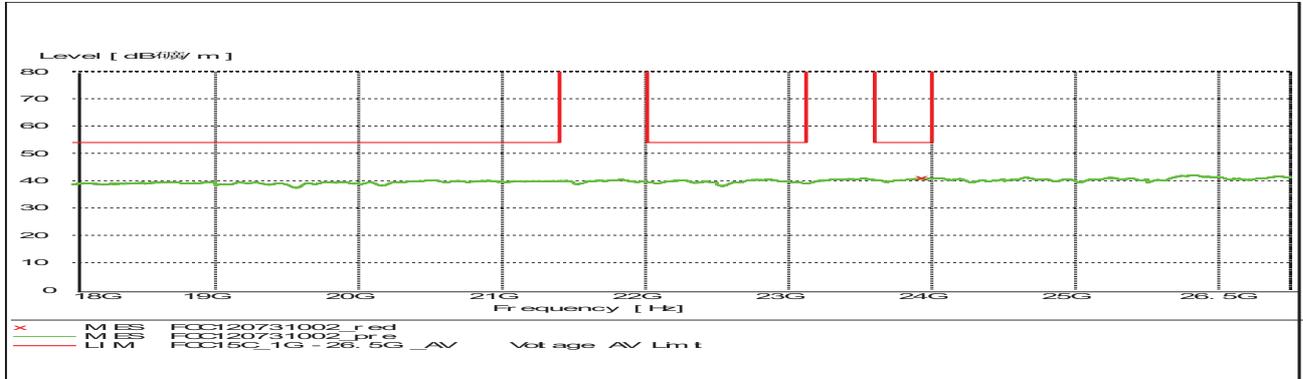
Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth cm	Polarization deg
17988.000000	61.60	29.4	74.0	12.4	---	200.0	180.00	VERTICAL



2.1.4 Test range of "18 GHz to 26.5 GHz"

2.1.4.1 Worst Case (11B/1_M@1)

Note: Average detect mode



MEASUREMENT RESULT: "FCC120731002_red"

2012-7-31 16:54

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
23935.600000	41.00	30.0	54.0	13.0	---	100.0	0.00	VERTICAL



Appendix F: Receiver Spurious Emissions (Radiated, Only for IC requirement)



1 Result Table

NOTE 1: The whole testing range is from “30 MHz to 8 GHz (3rd harmonics)” is divided into 2 parts, which are:

- Part 1: Test range of “30 MHz to 1 GHz”,
- Part 2: Test range of “1 GHz to 8 GHz”.

NOTE 2: For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at all chains to get a final result. The result is the directly measured sum of each chain.

NOTE 3: In this Appendix, may only the test results and plots under the worst case are reported. The “< Limit” in results table denotes “Not found obvious spikes, or see marked spikes on plots or listed emissions in result tables”.

Not applicable

2 Result Plot

Not applicable



Appendix G: AC Power Line Conducted Emissions



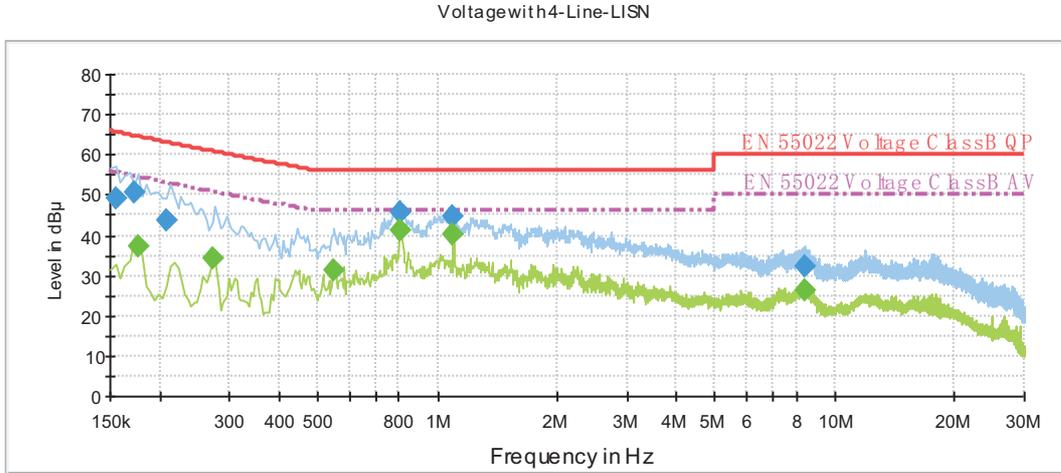
1 Result Table

NOTE: In this Appendix, may only the test results and plots under the worst case are reported.

EUT Conf.	Maximum Emissions	Verdict
11B/1_M@1	Not found obvious spikes, or see marked spikes on plots or listed emissions in result tables.	Pass

2 Result Plot

2.1 11B/1_M@1



Final Result 1

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.154500	49.2	1000.0	9.000	GND	N	10.6	16.5	65.7	
0.172500	50.7	1000.0	9.000	GND	L3	10.6	14.1	64.8	
0.208500	43.5	1000.0	9.000	GND	L3	10.5	19.6	63.1	
0.807000	45.7	1000.0	9.000	GND	L3	10.4	10.3	56.0	
1.094025	44.7	1000.0	9.000	GND	L3	10.4	11.3	56.0	
8.401372	32.1	1000.0	9.000	GND	L3	10.4	27.9	60.0	

Final Result 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.177000	37.4	1000.0	9.000	GND	N	10.6	17.1	54.5	
0.271500	34.5	1000.0	9.000	GND	L3	10.5	16.3	50.8	
0.550500	31.4	1000.0	9.000	GND	L3	10.4	14.6	46.0	
0.802500	41.0	1000.0	9.000	GND	L3	10.4	5.0	46.0	
1.094025	40.1	1000.0	9.000	GND	L3	10.4	5.9	46.0	
8.388075	26.5	1000.0	9.000	GND	L3	10.4	23.5	50.0	