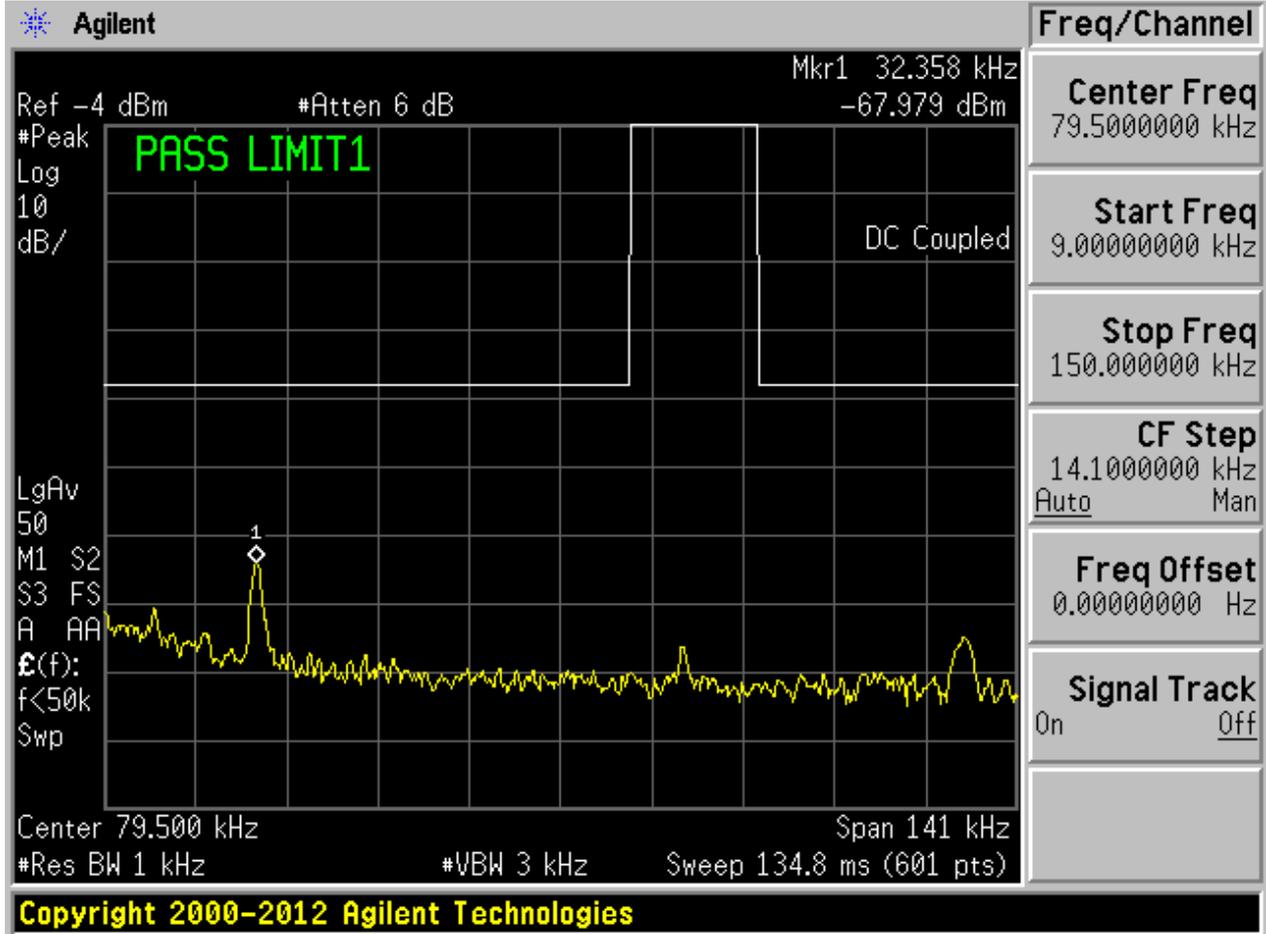
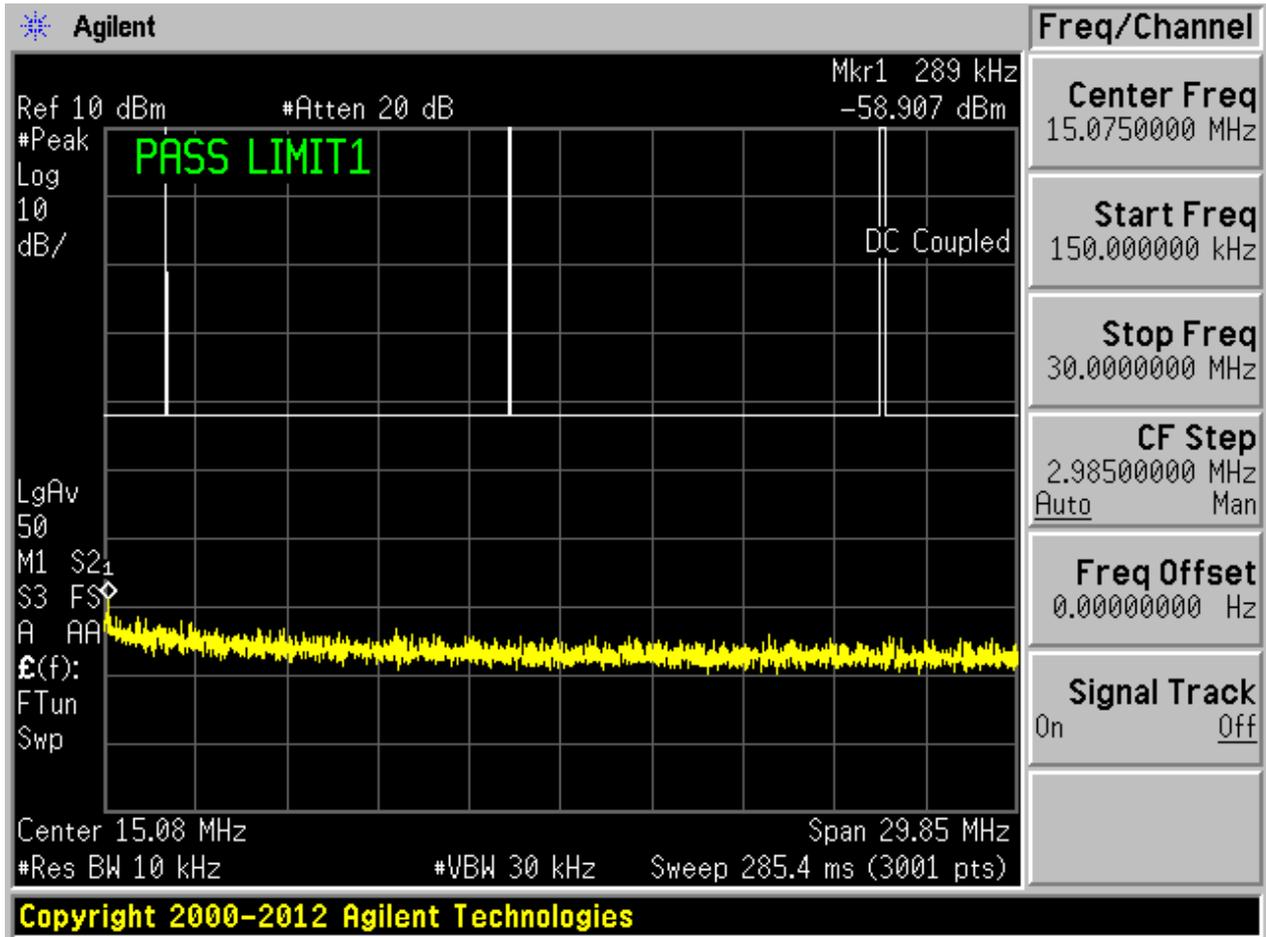
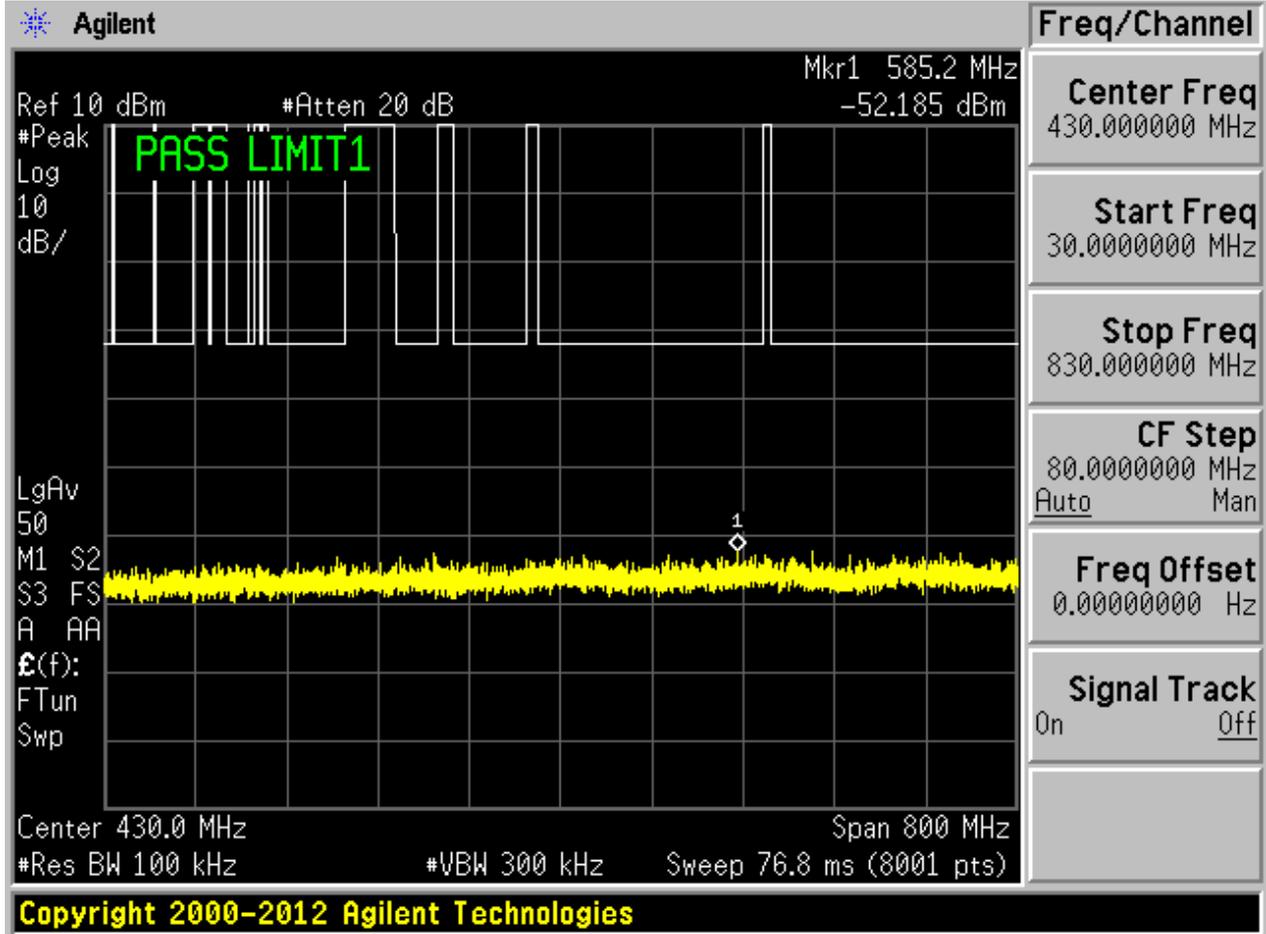


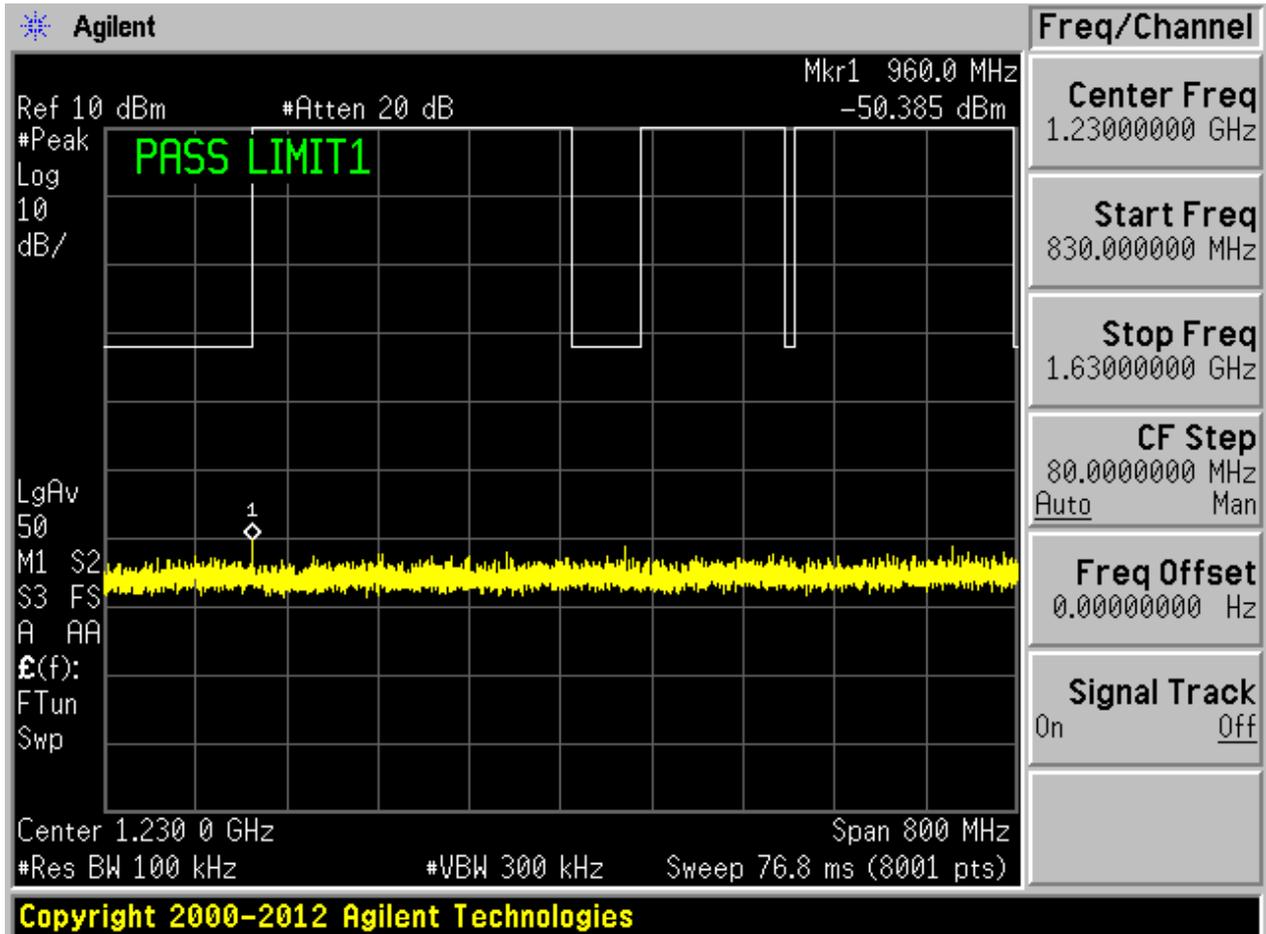
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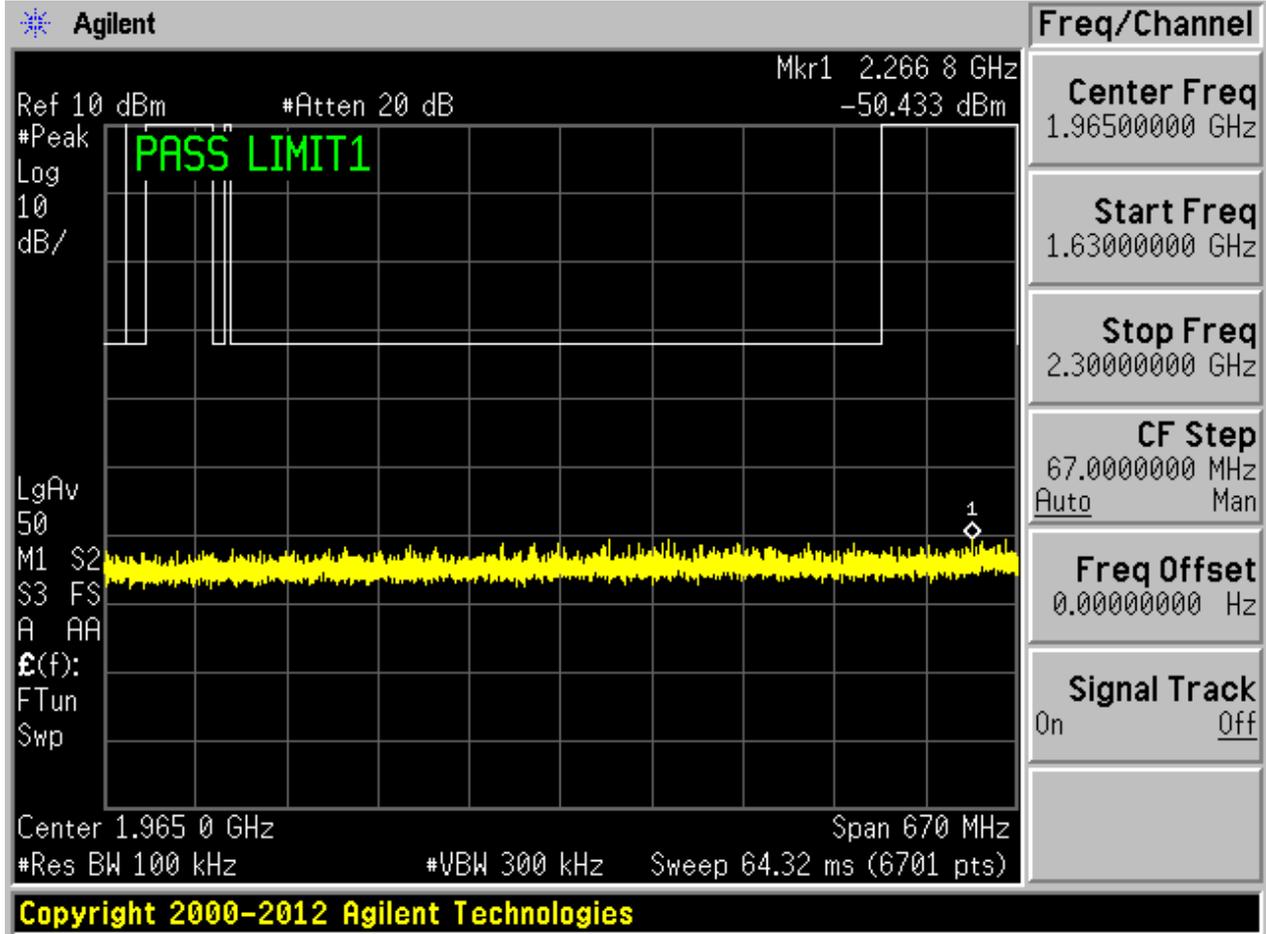
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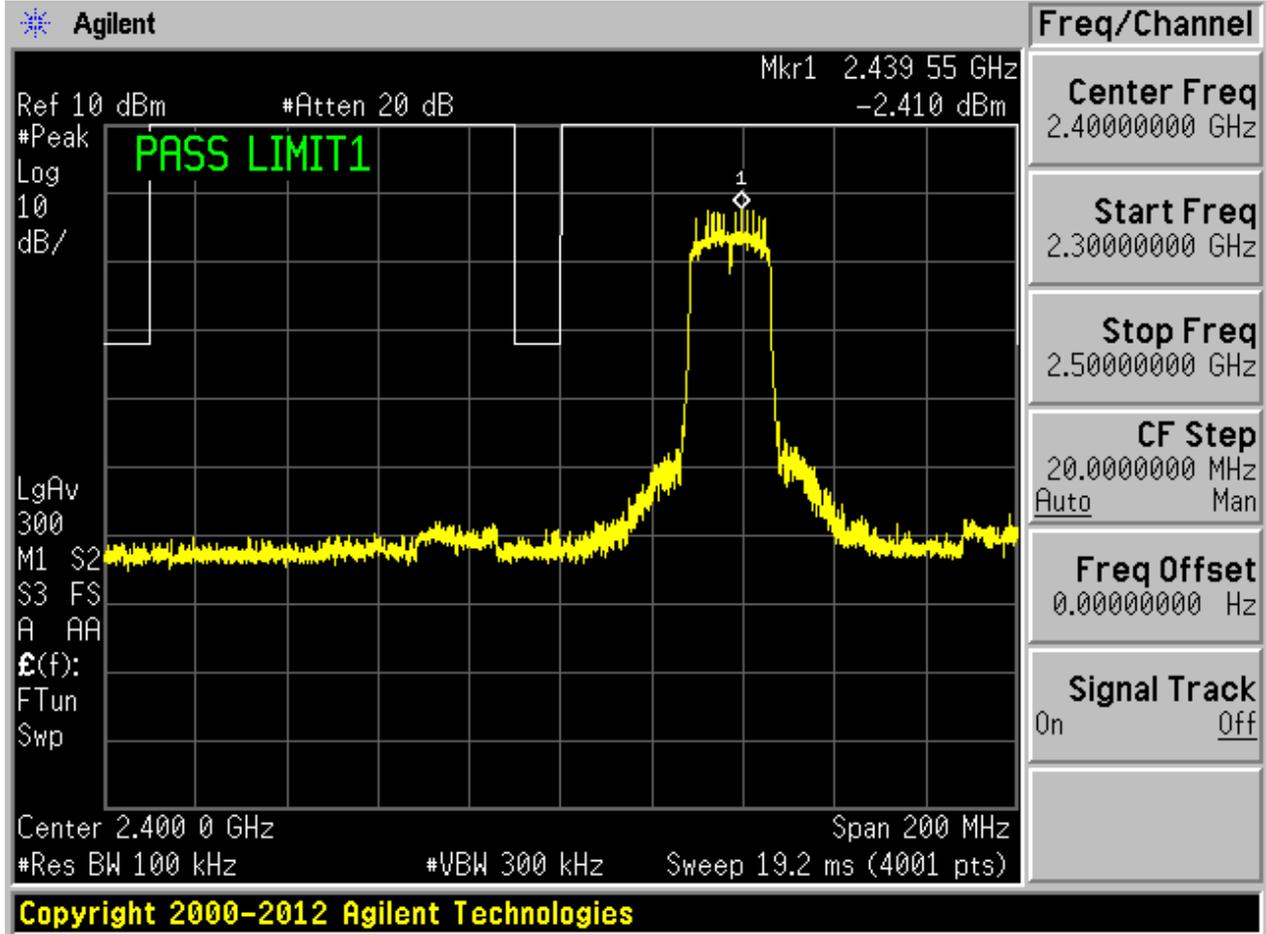


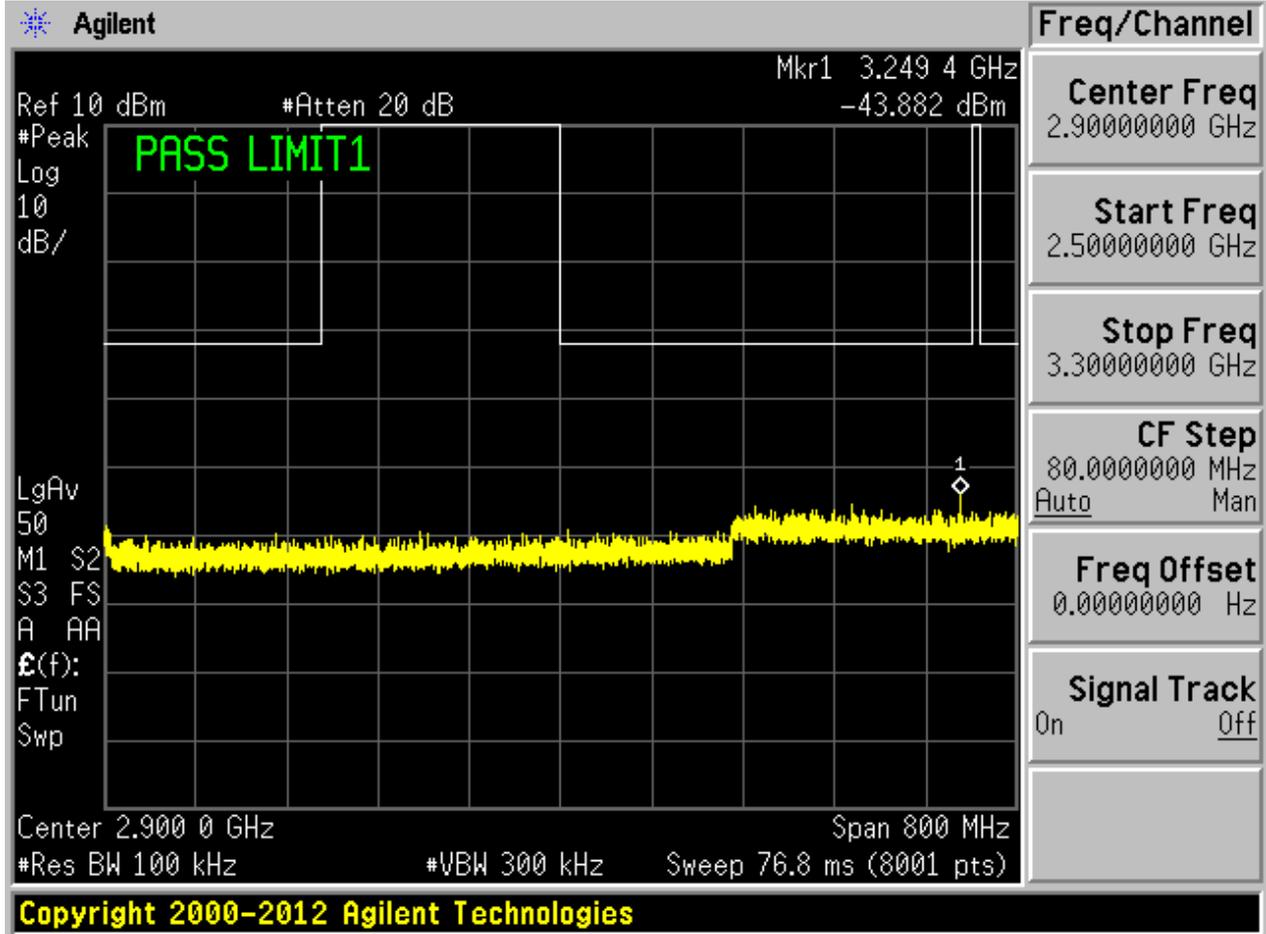


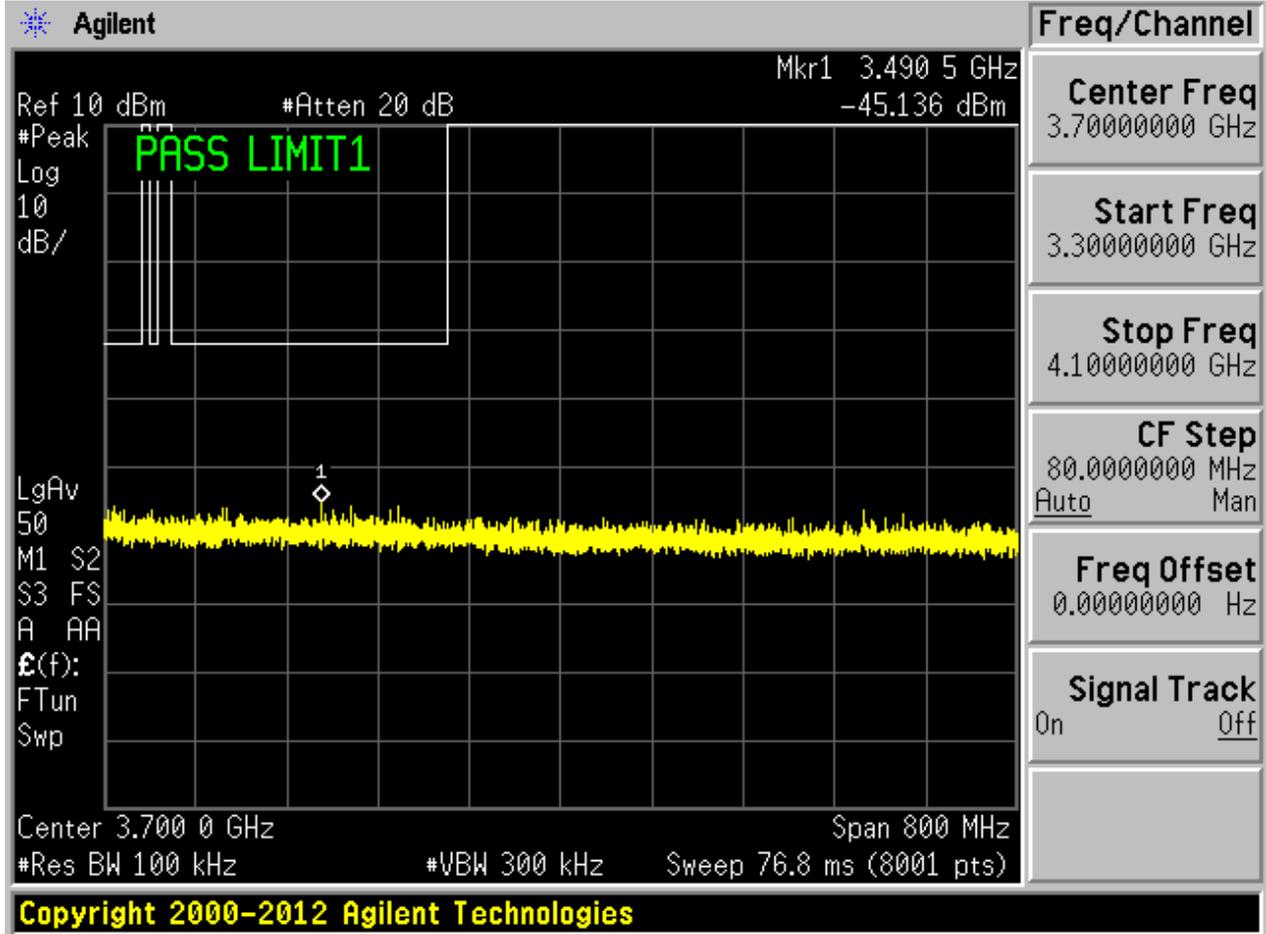


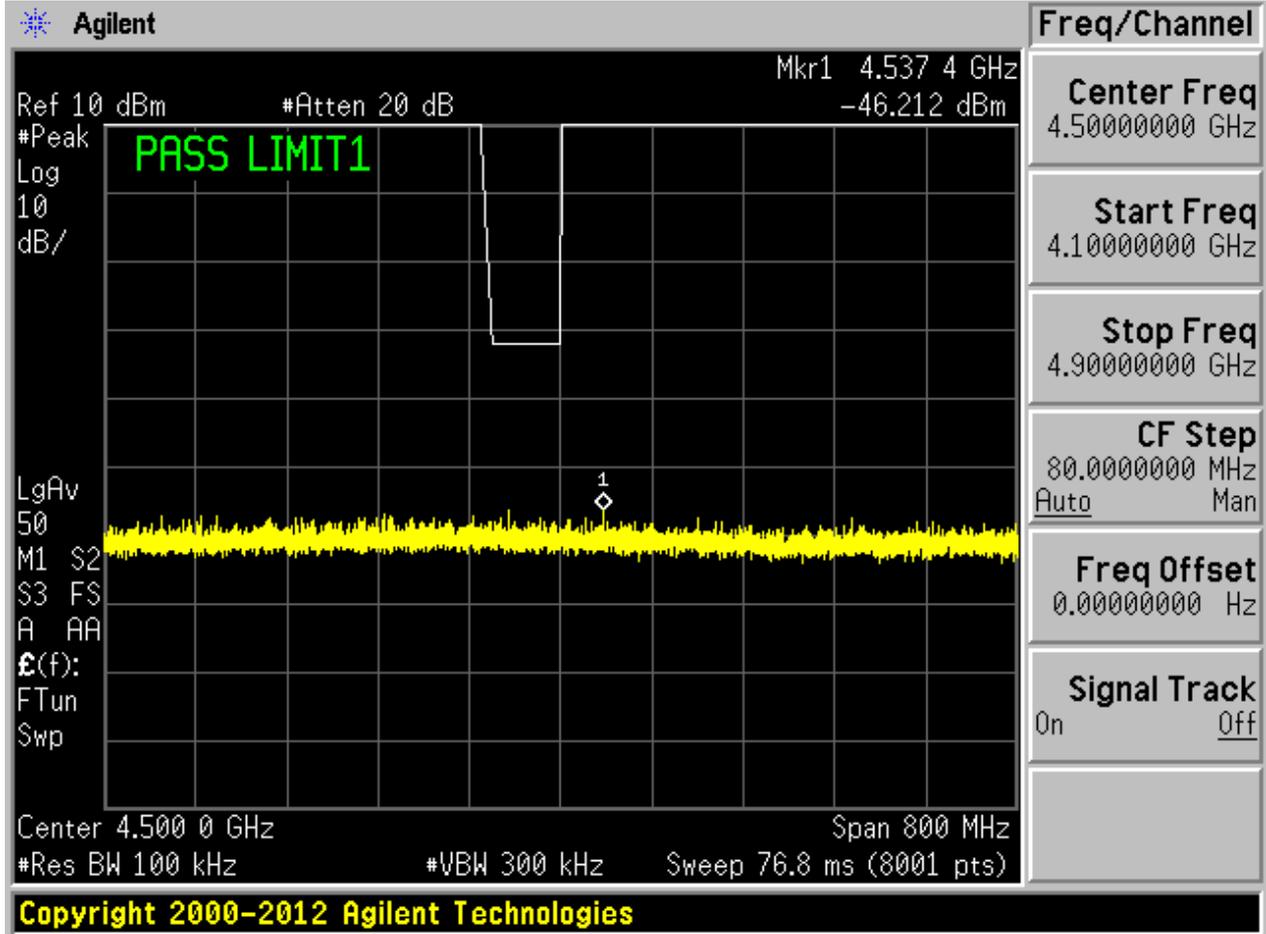


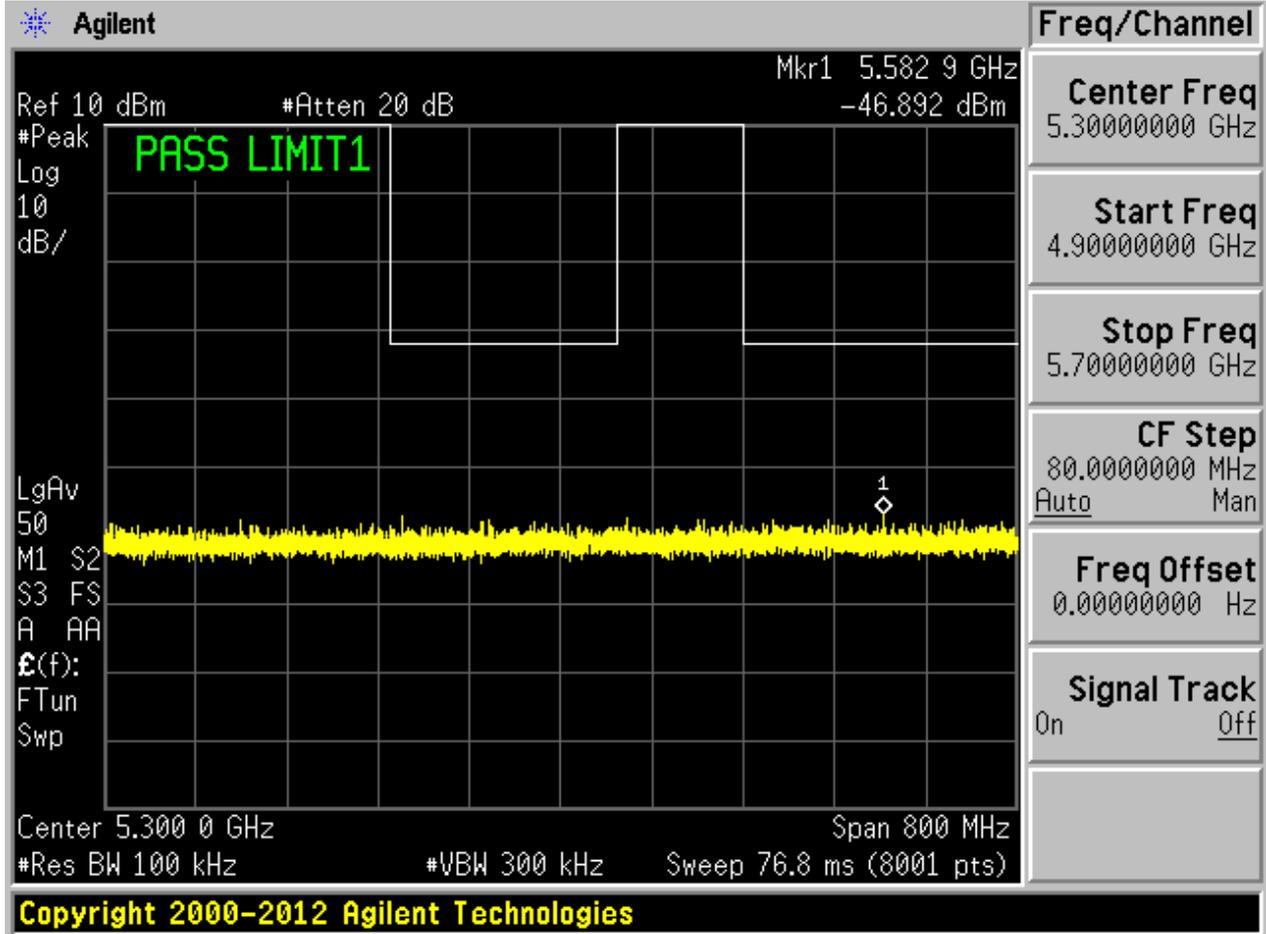


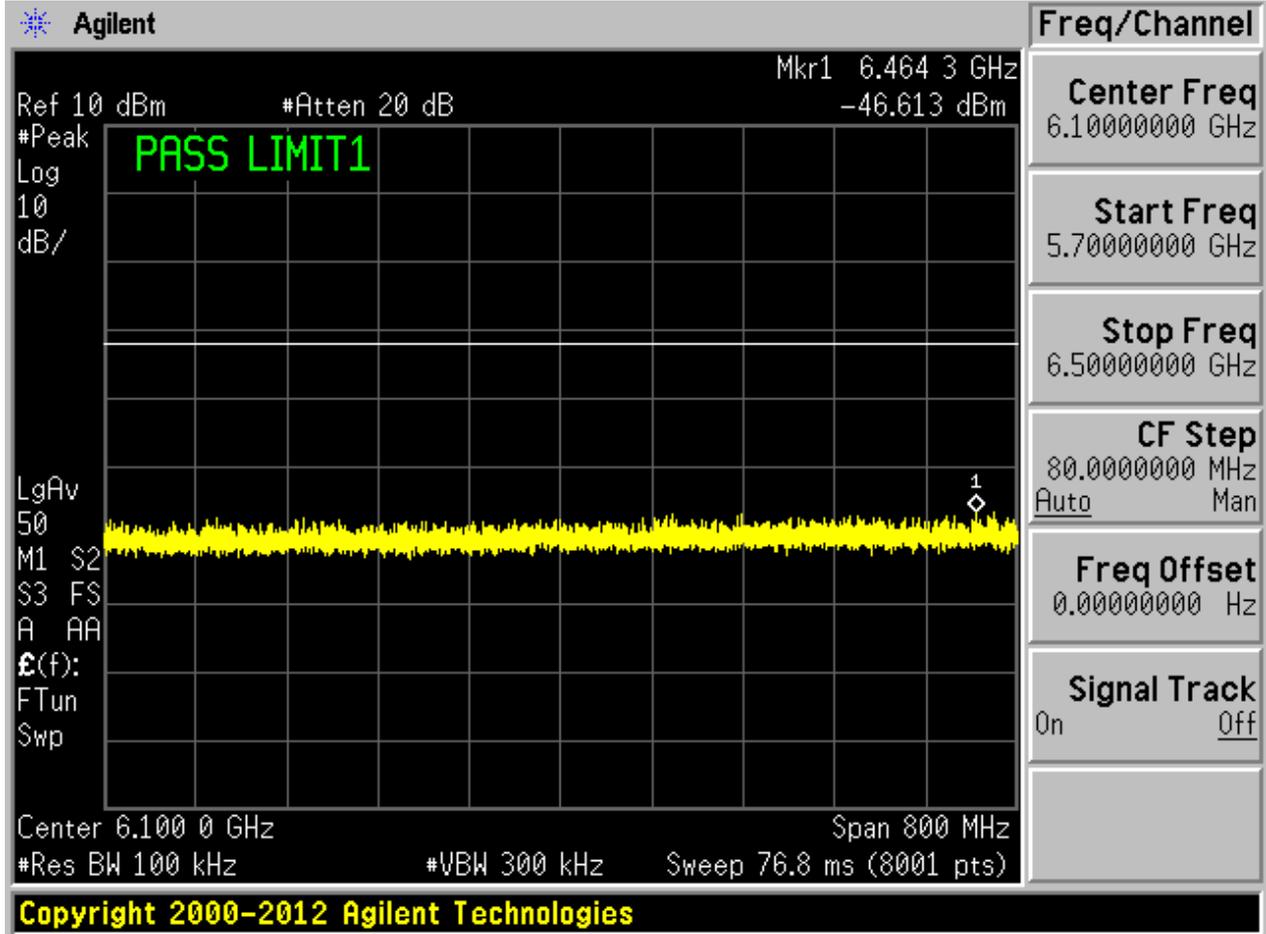


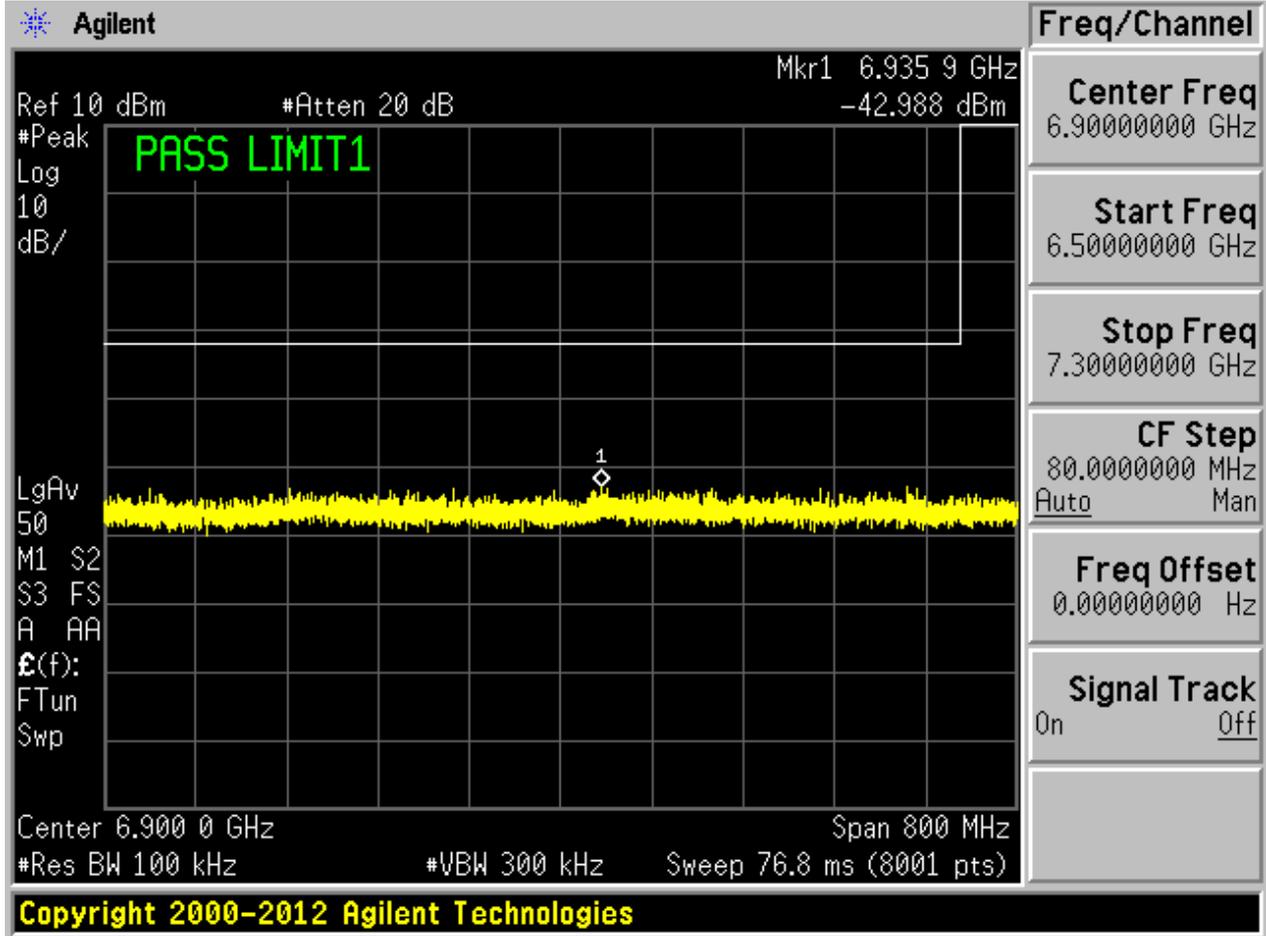


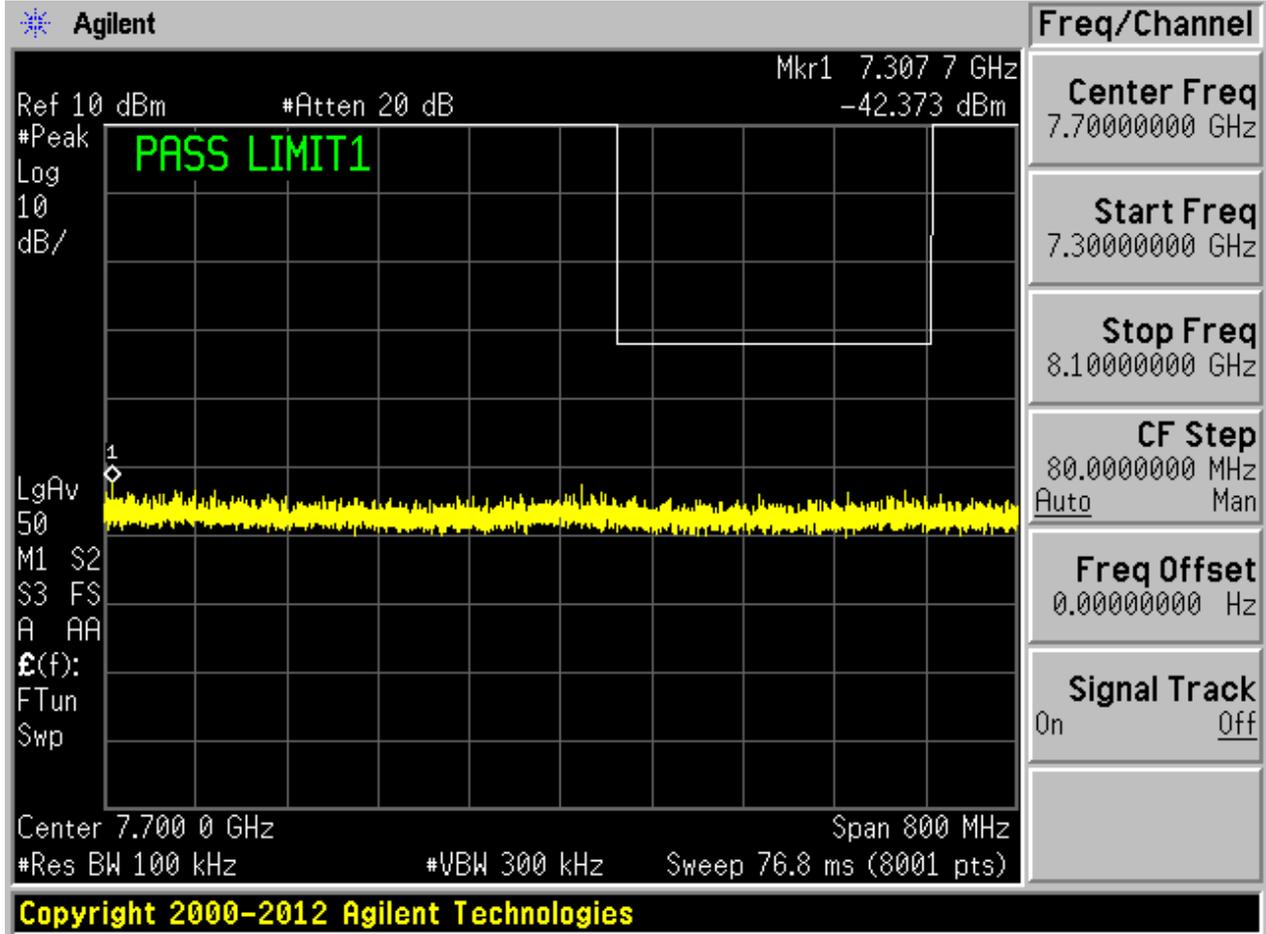


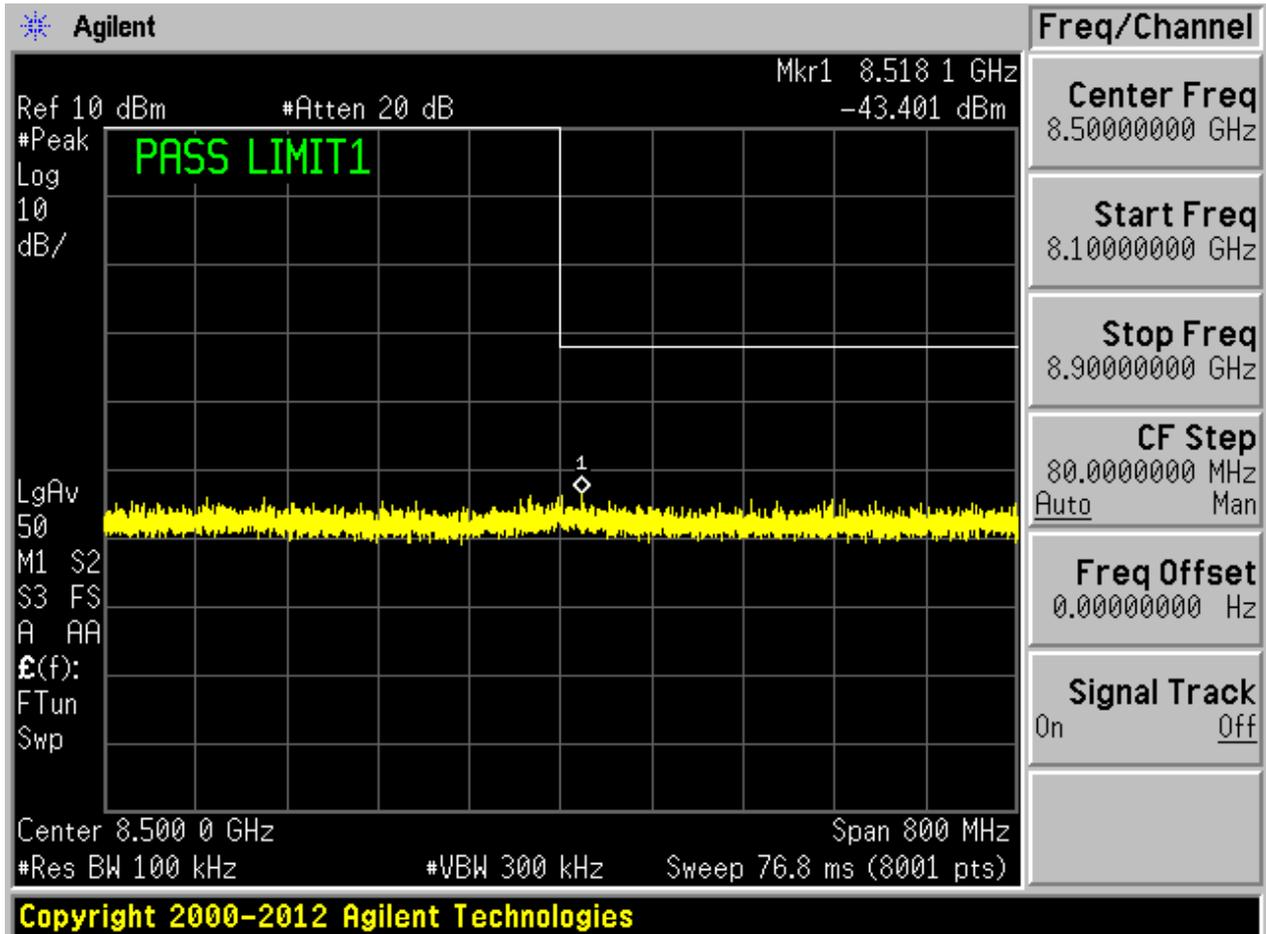


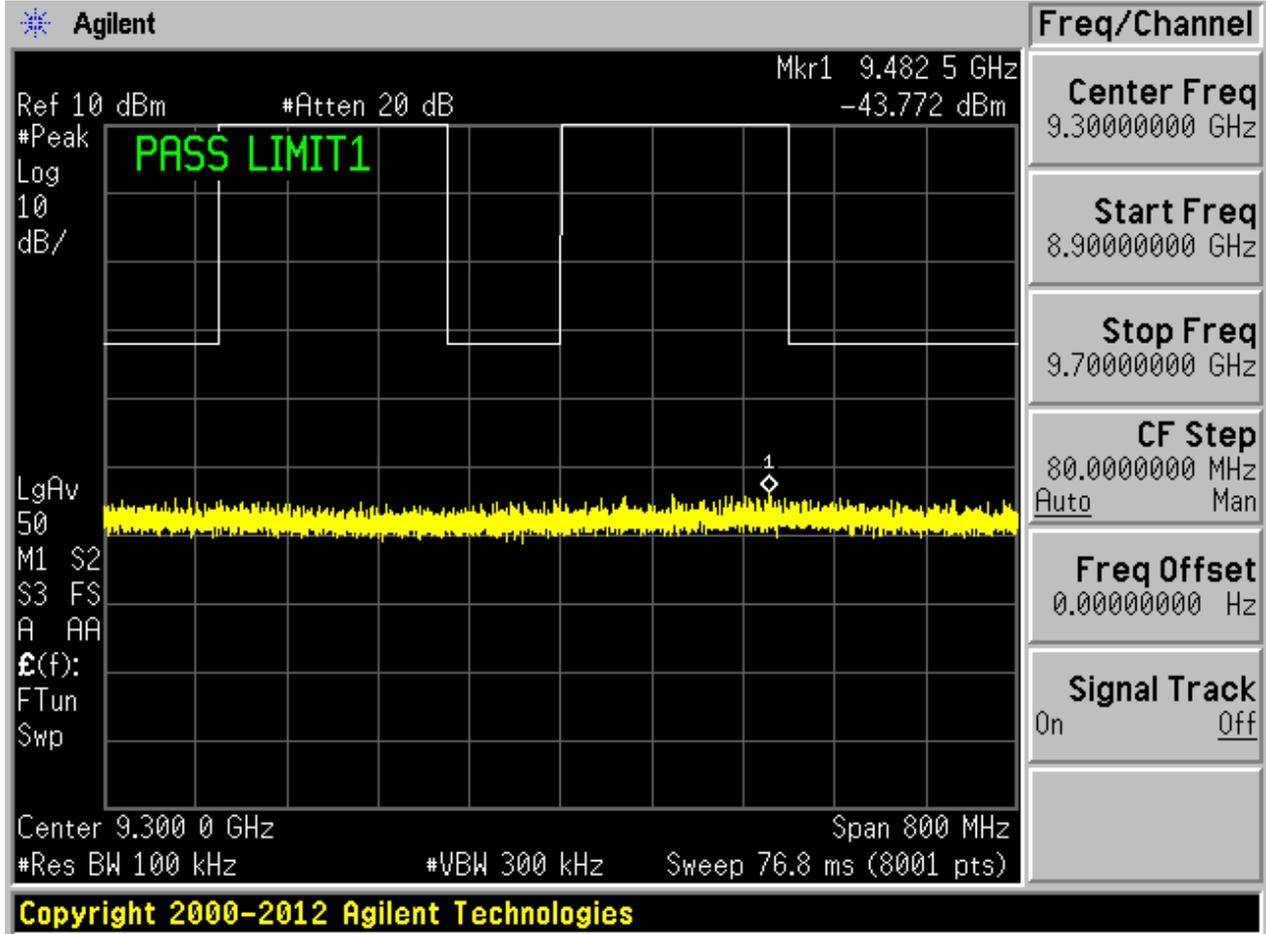


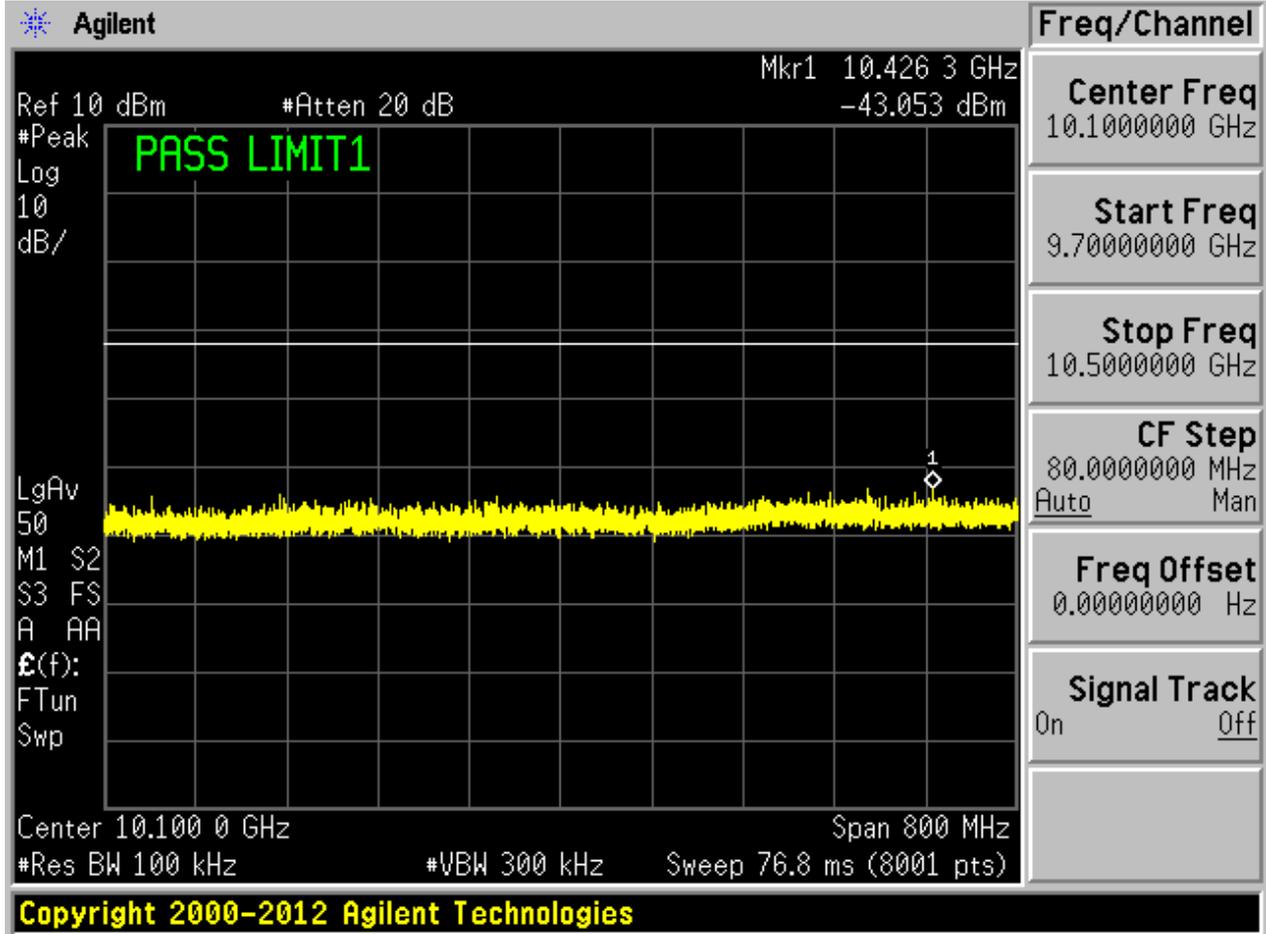


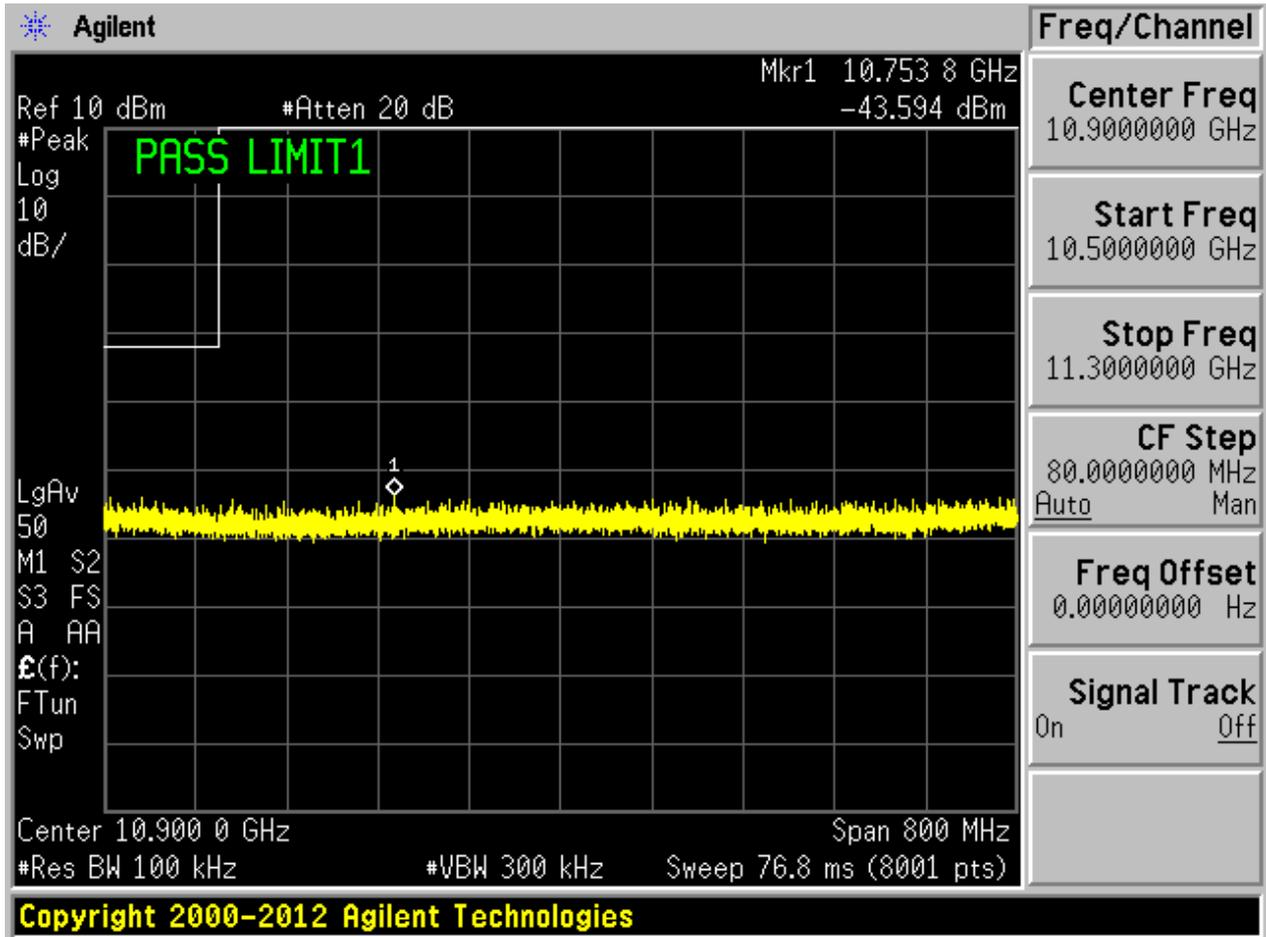


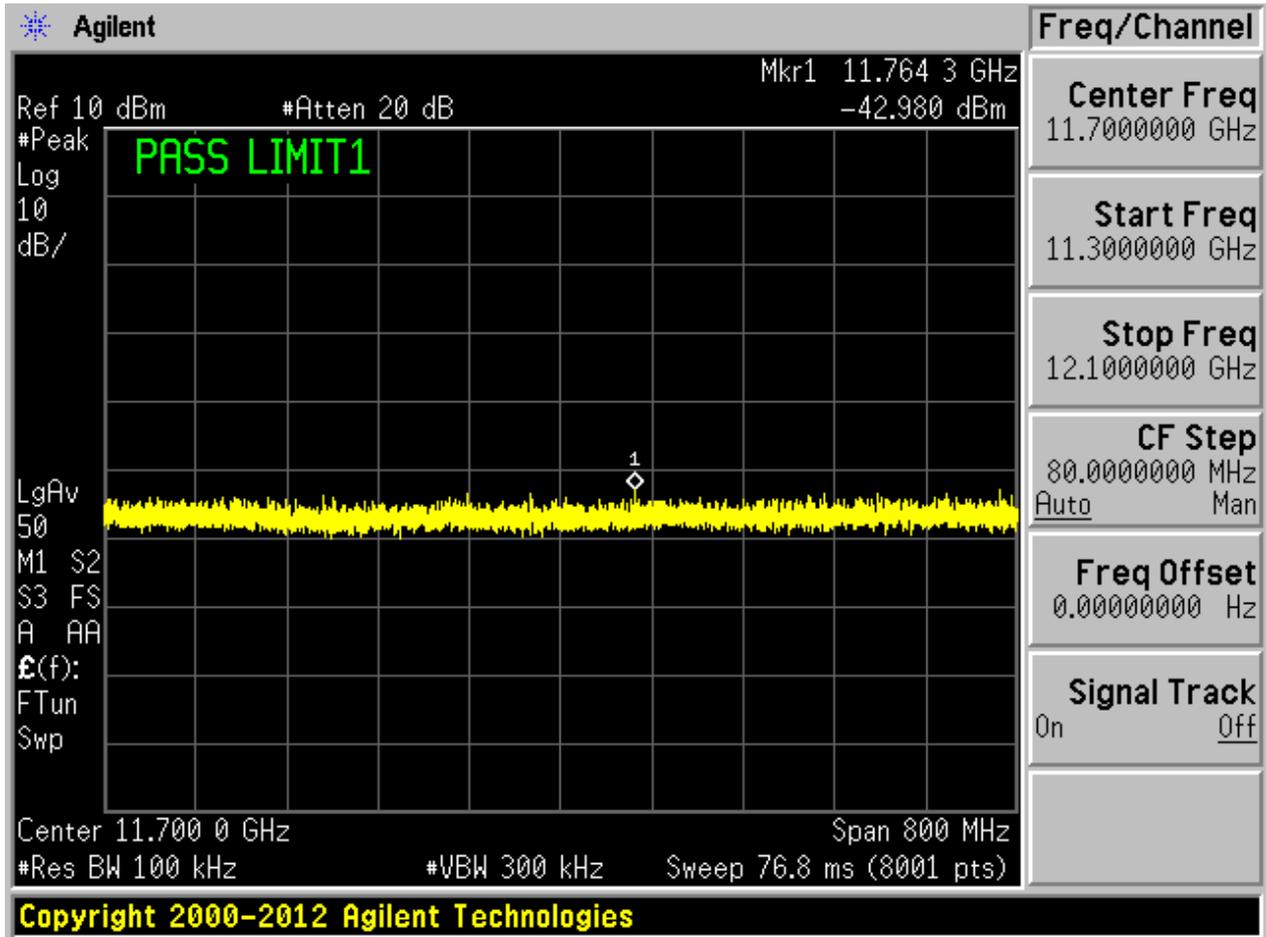


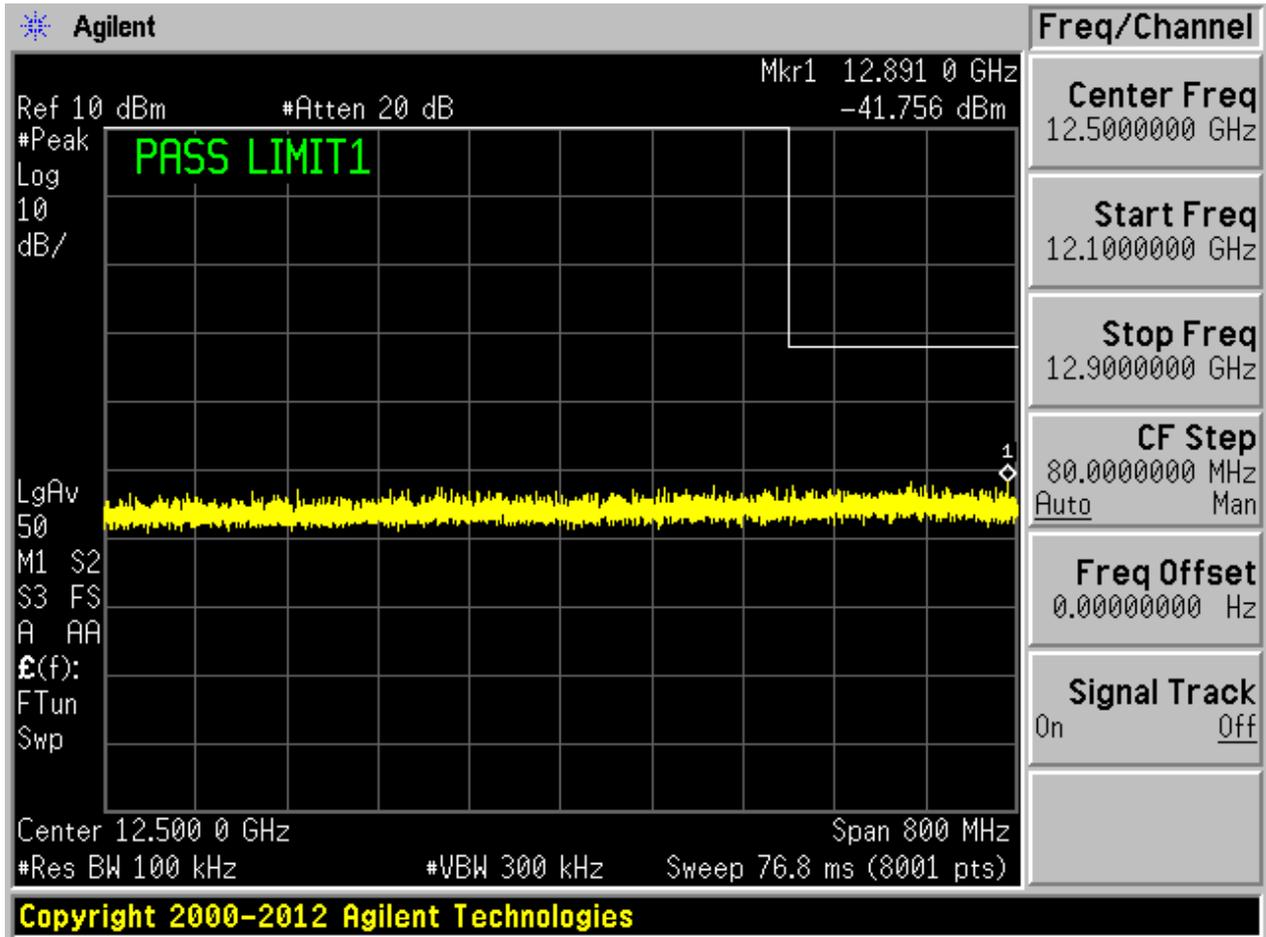


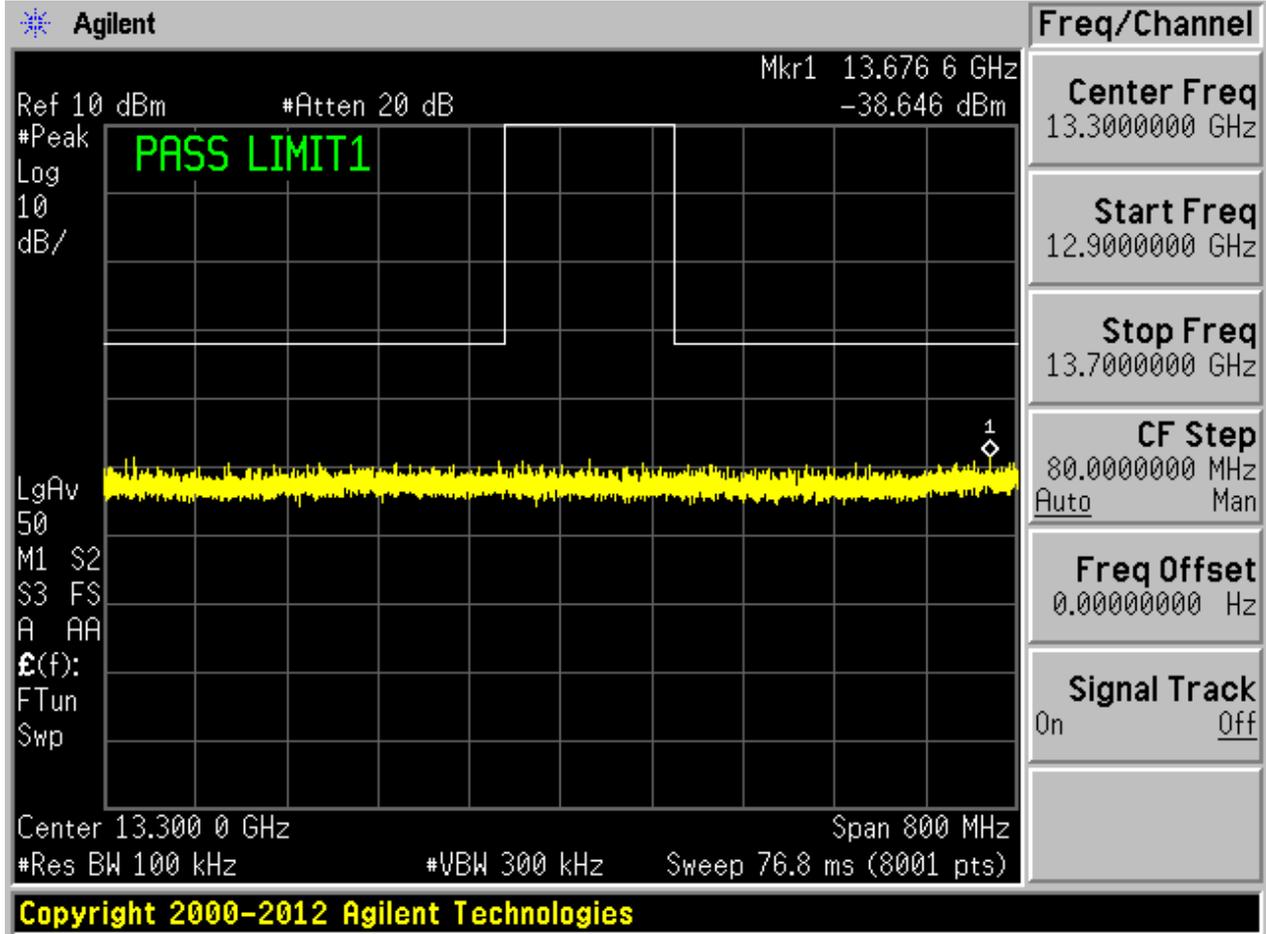


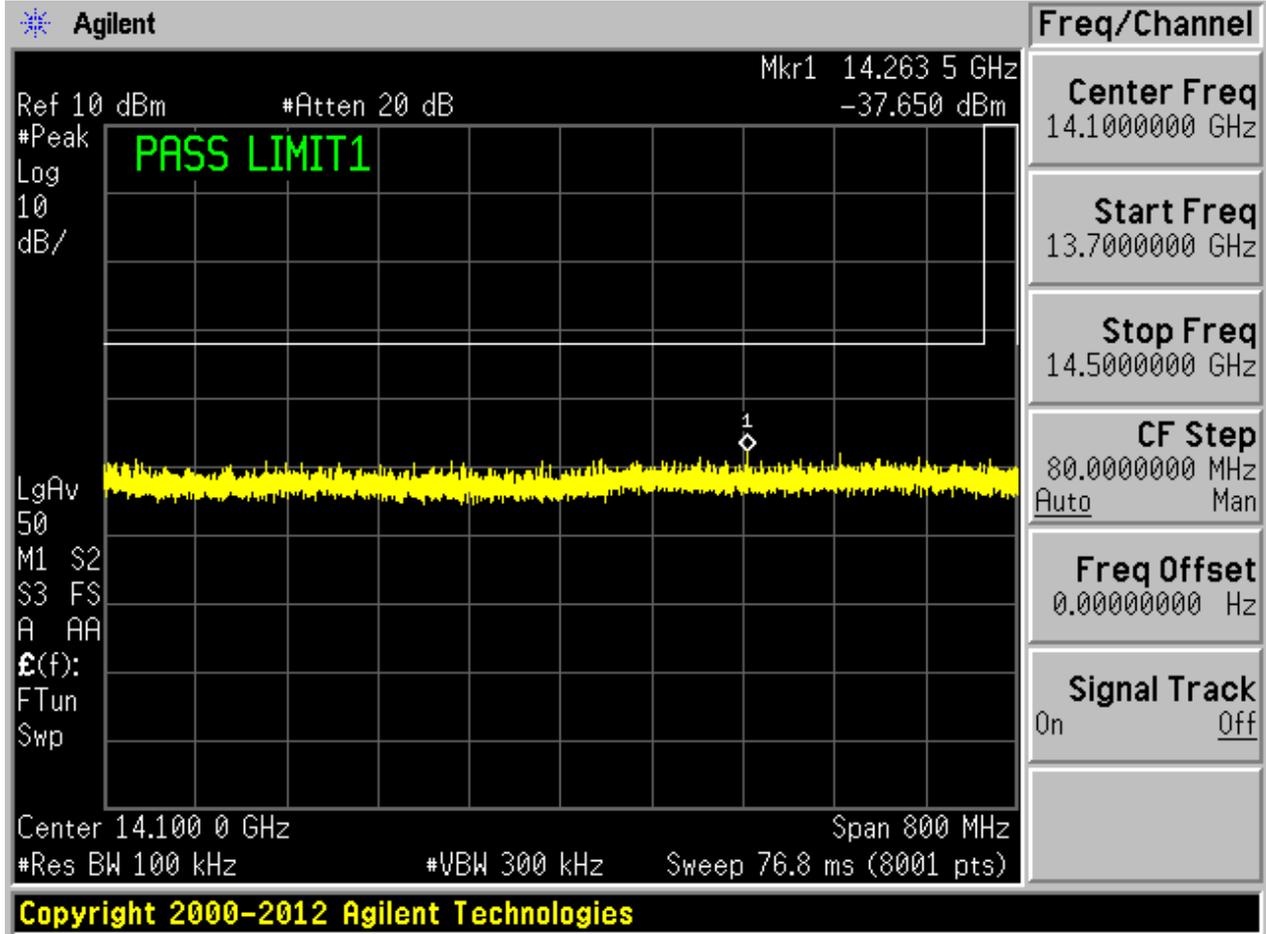


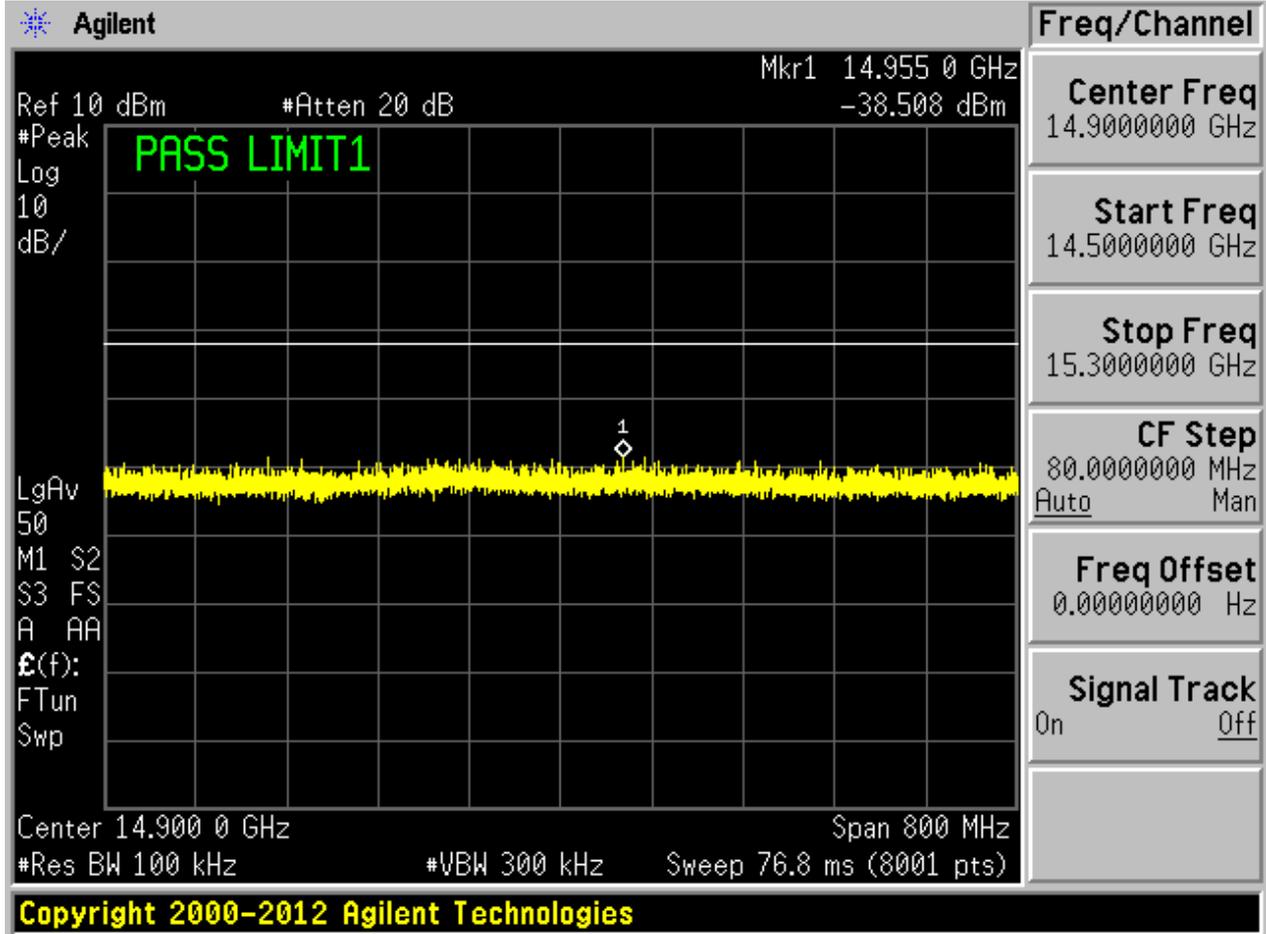


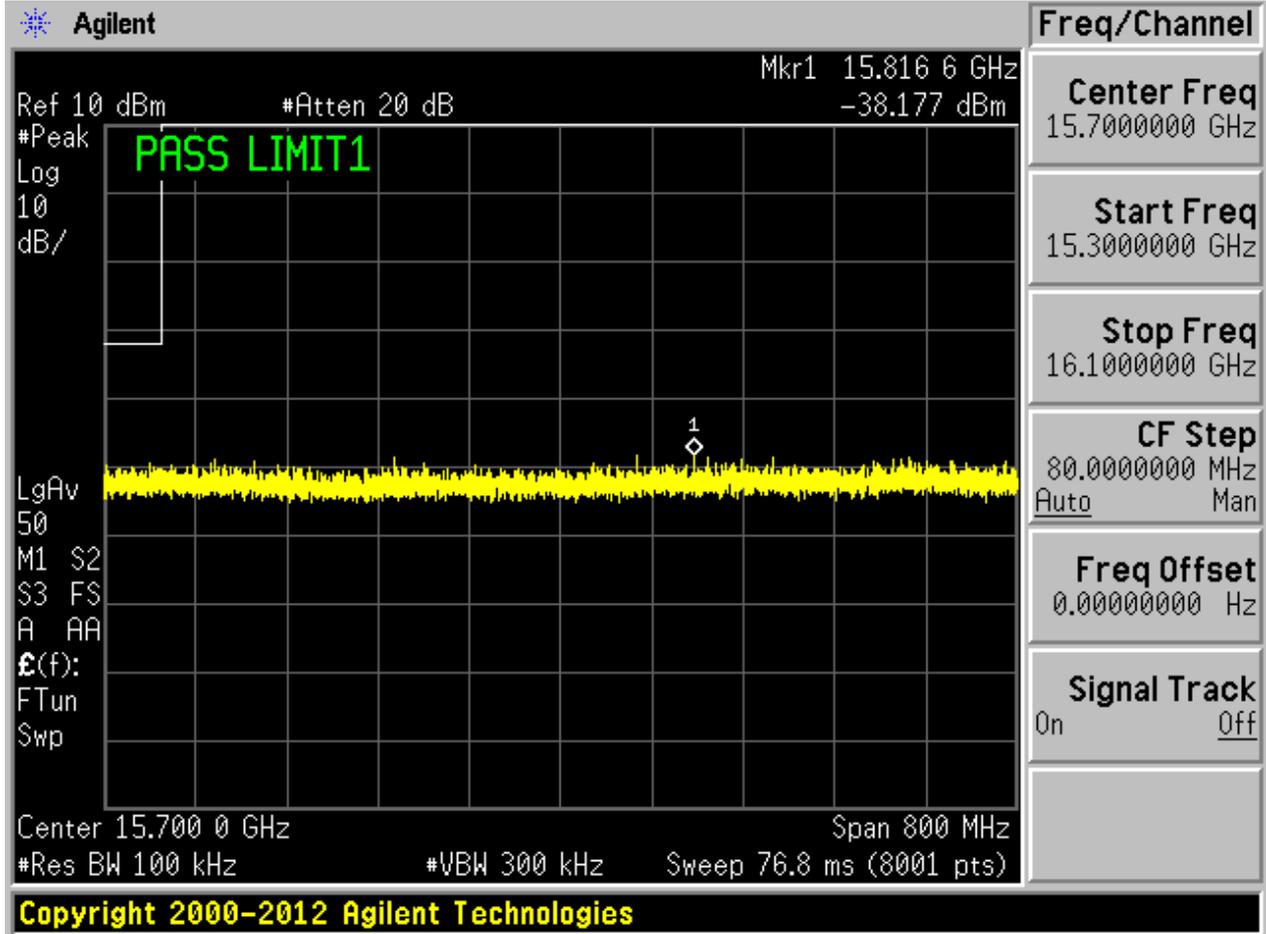


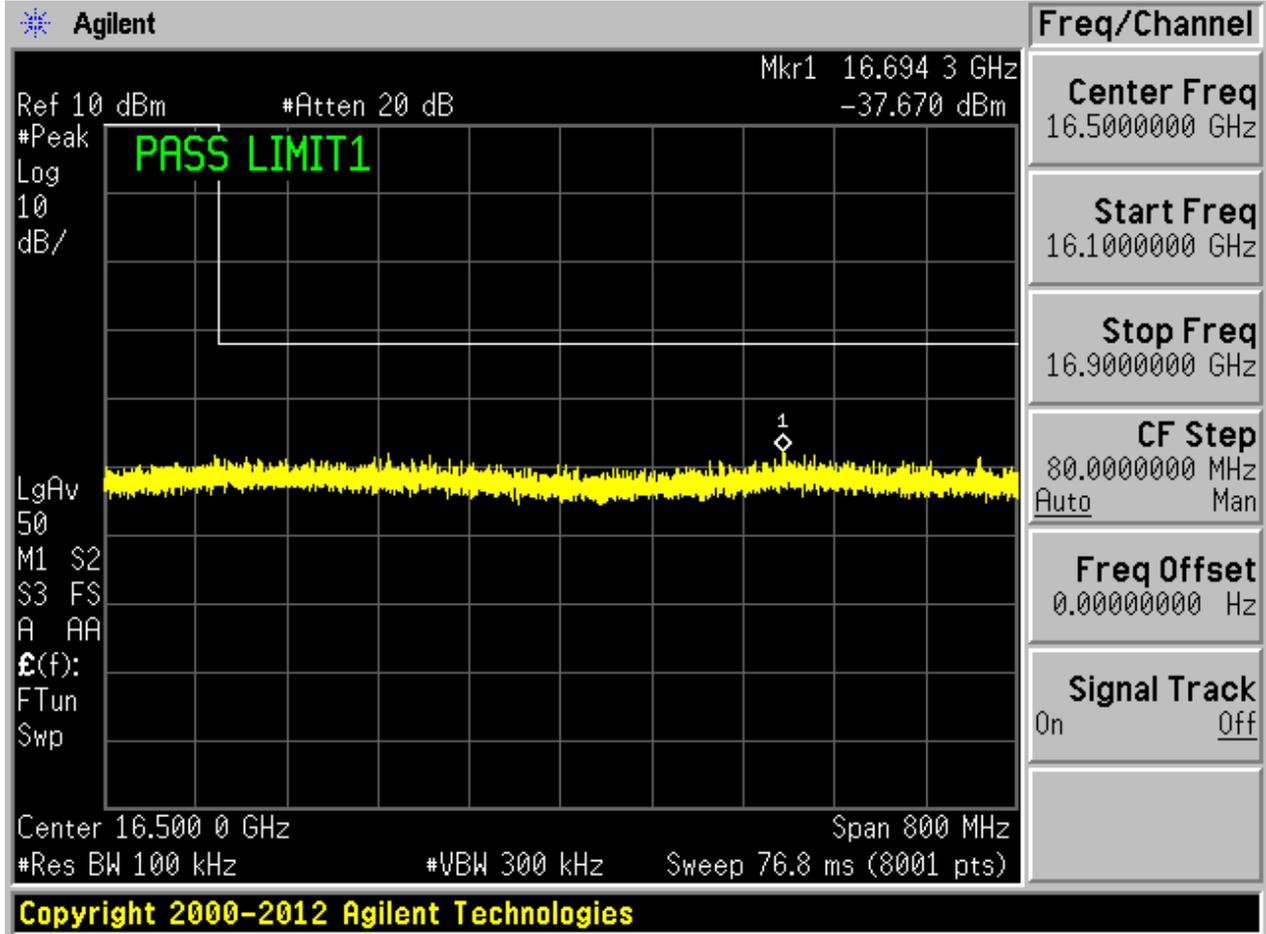


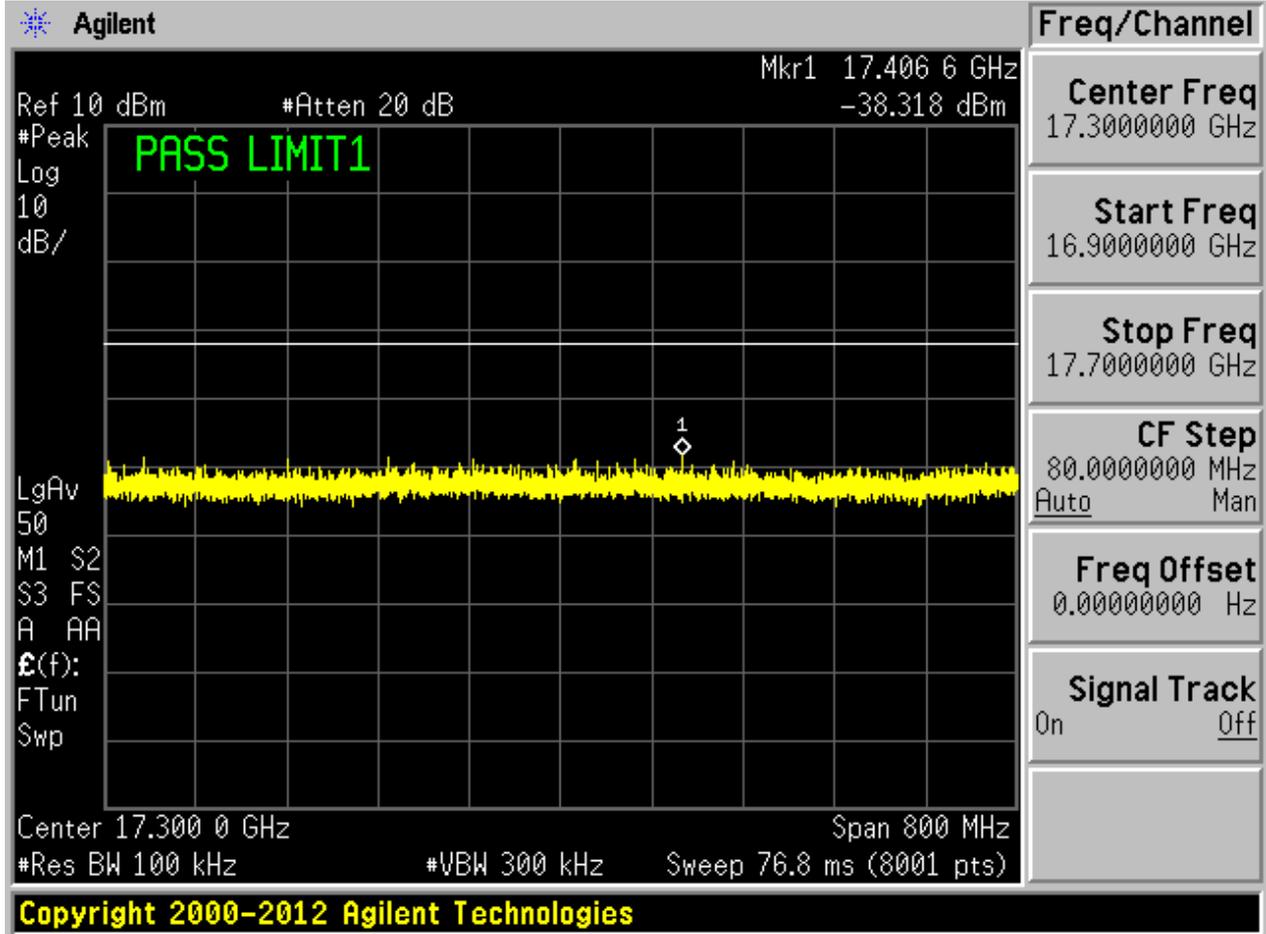


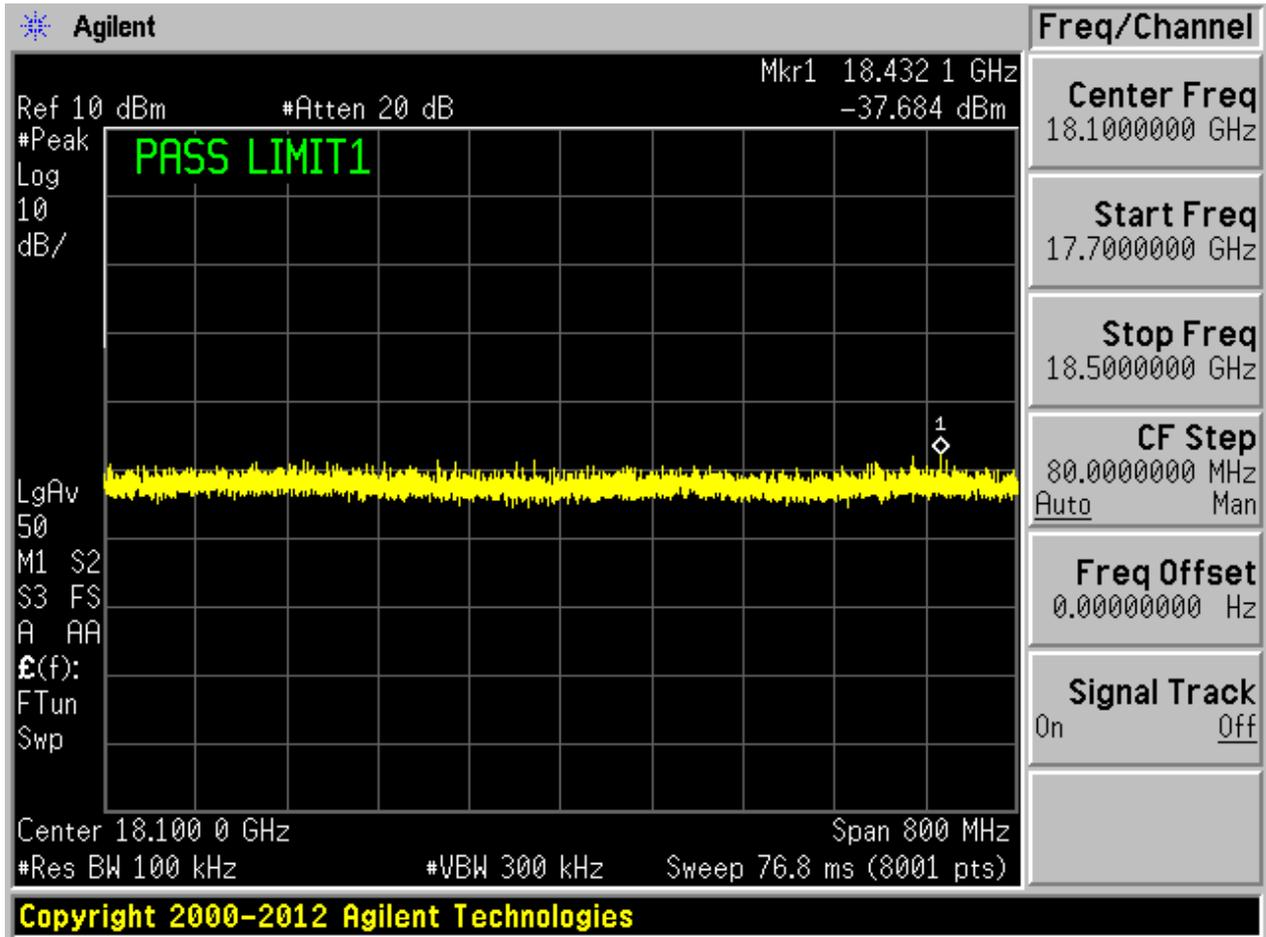


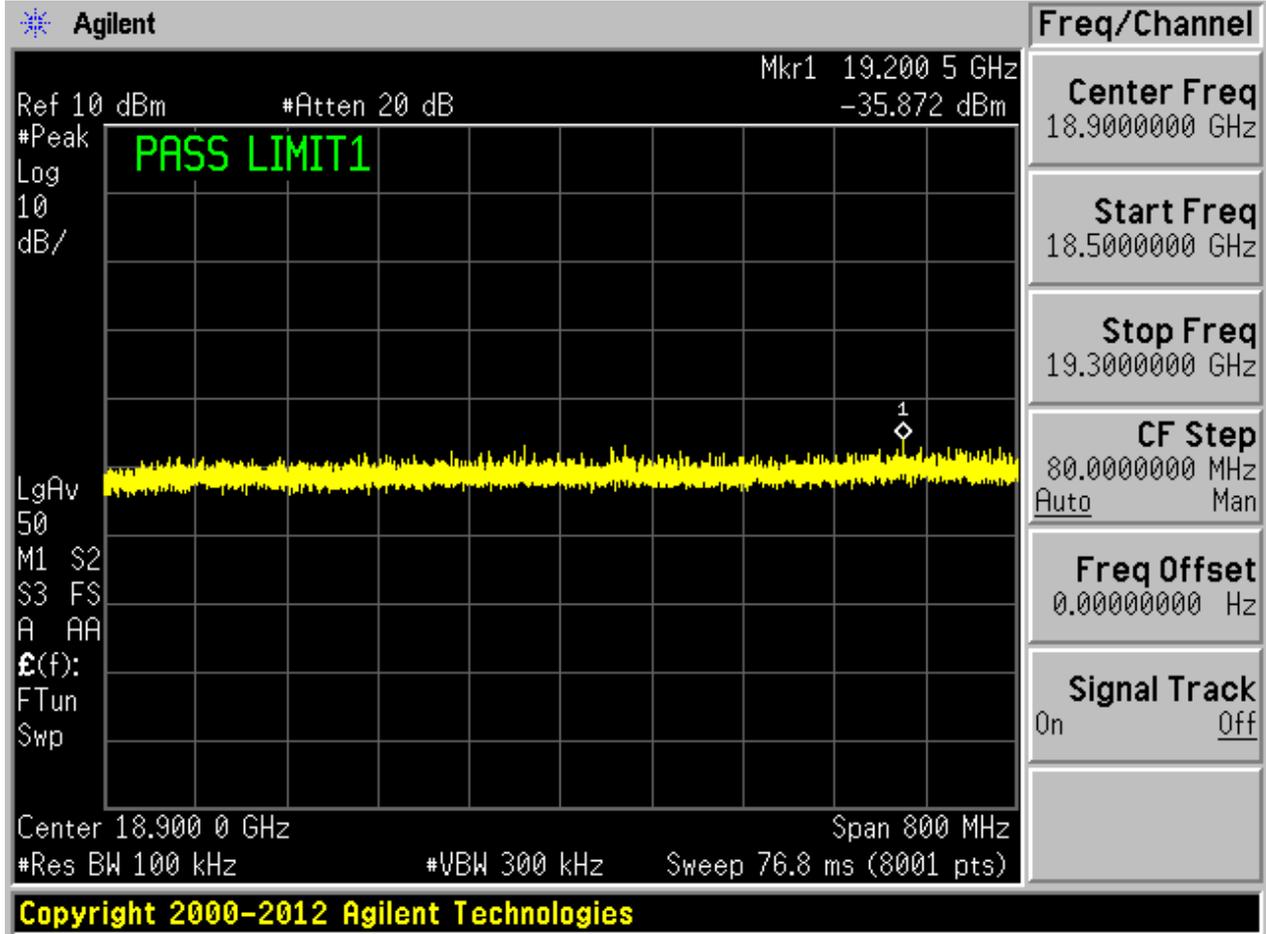


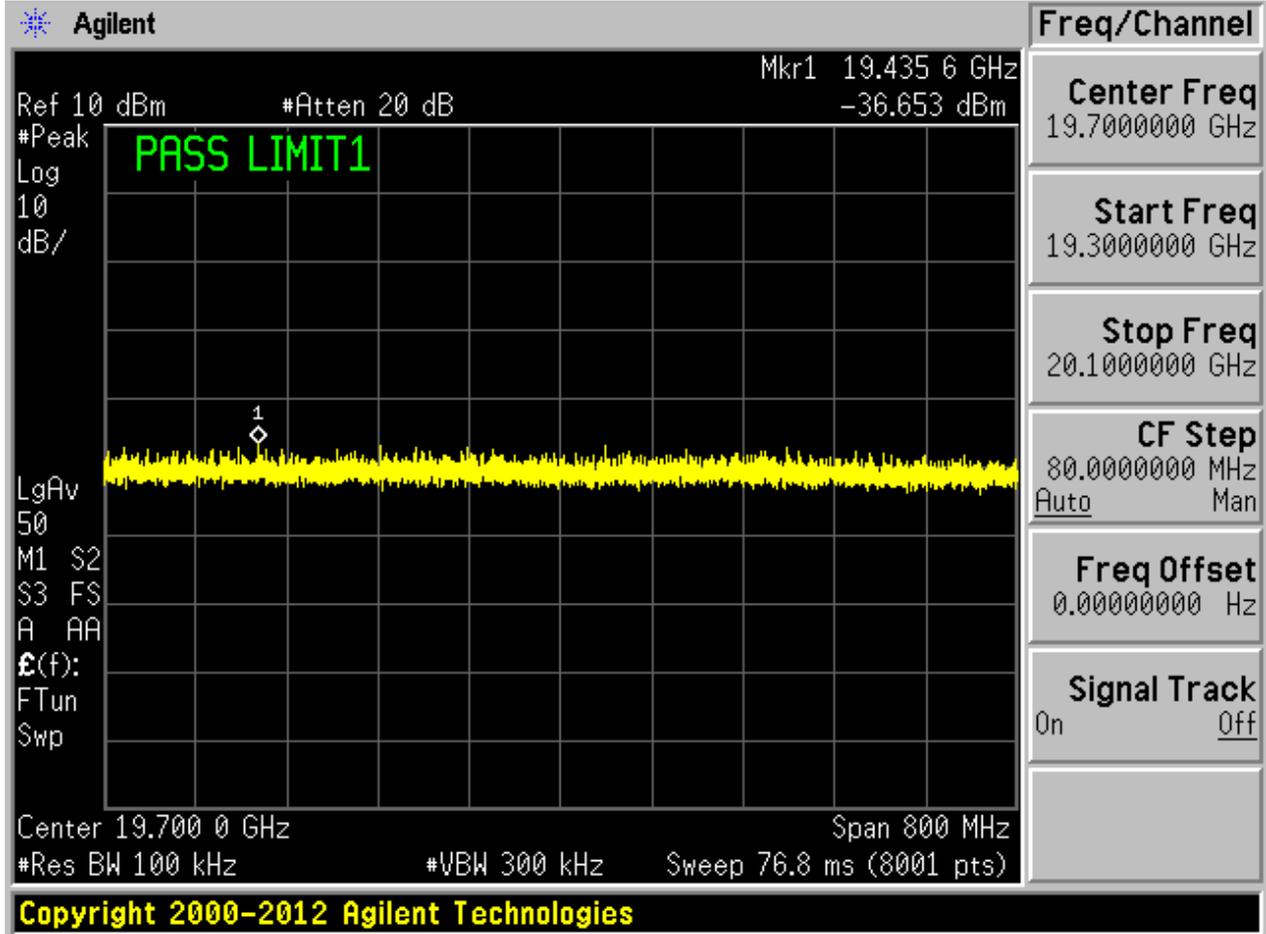


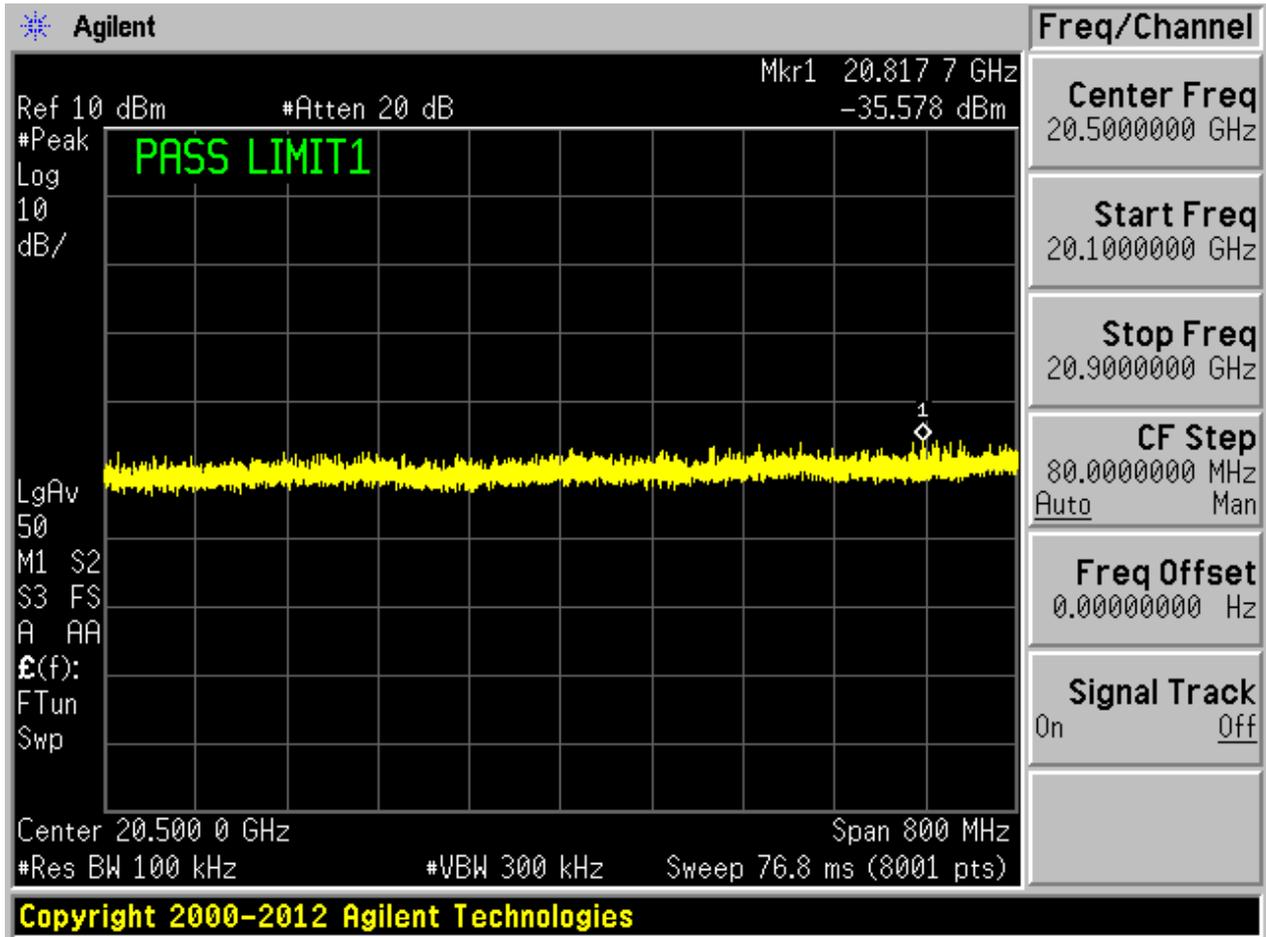


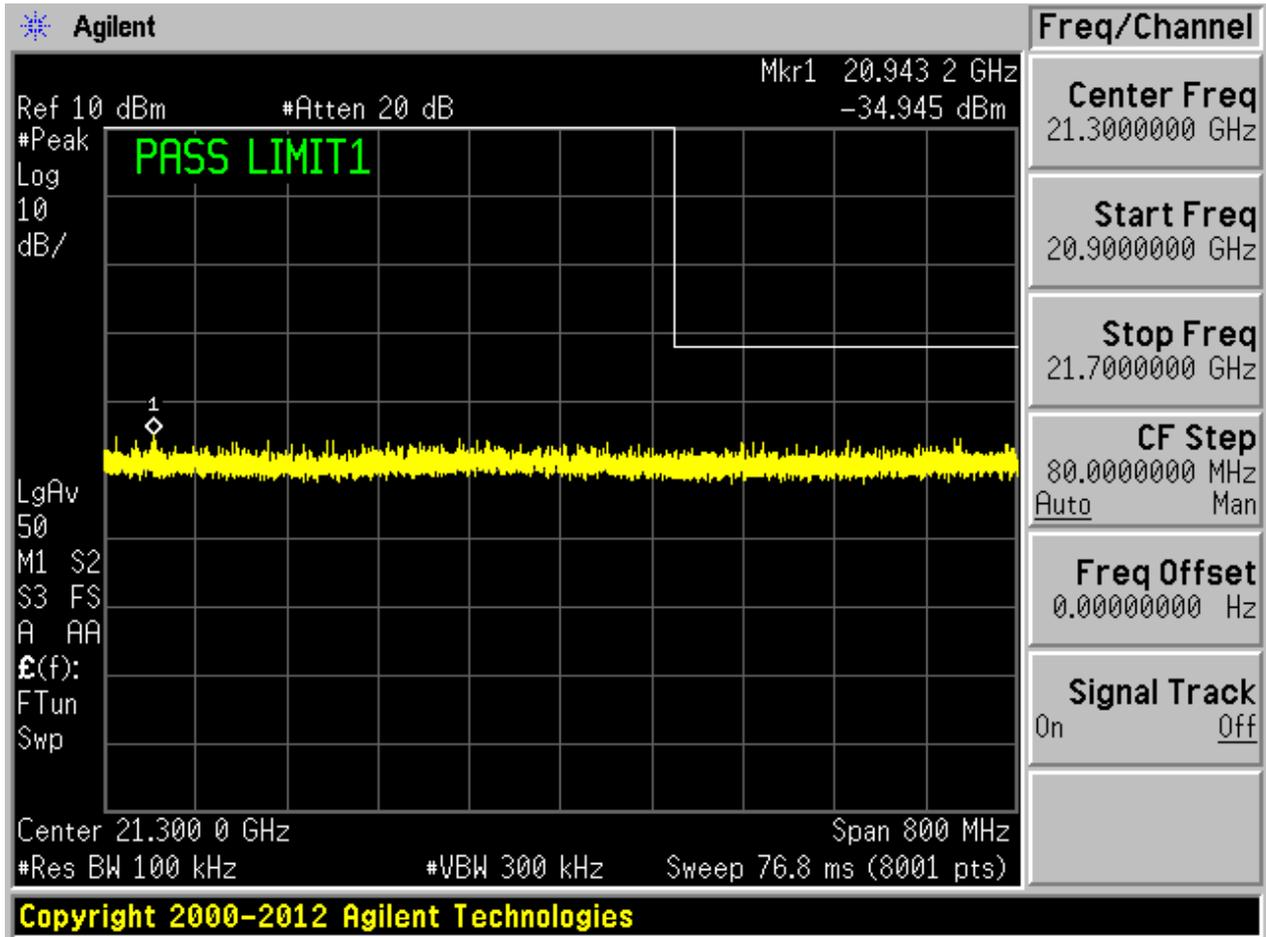


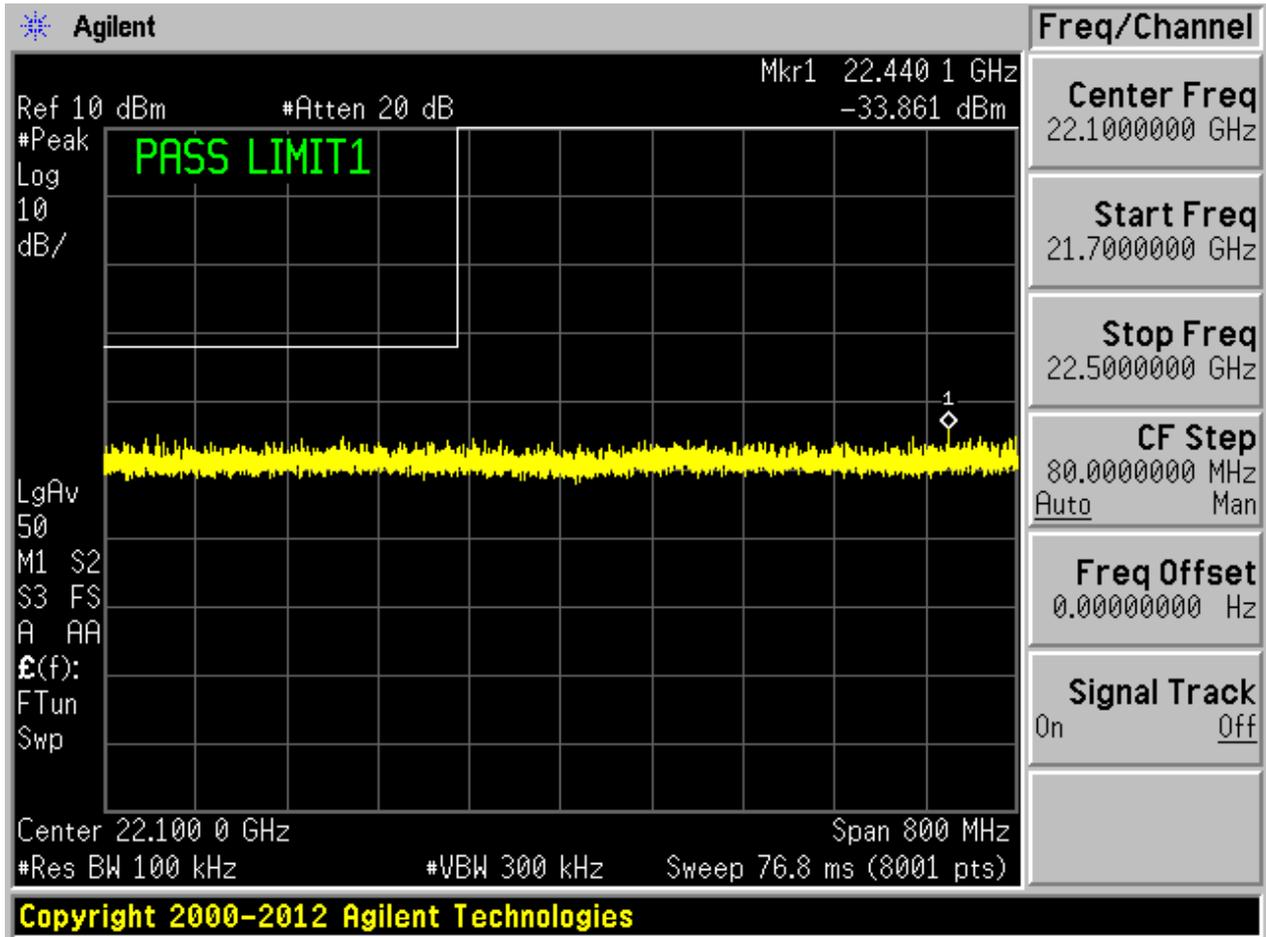


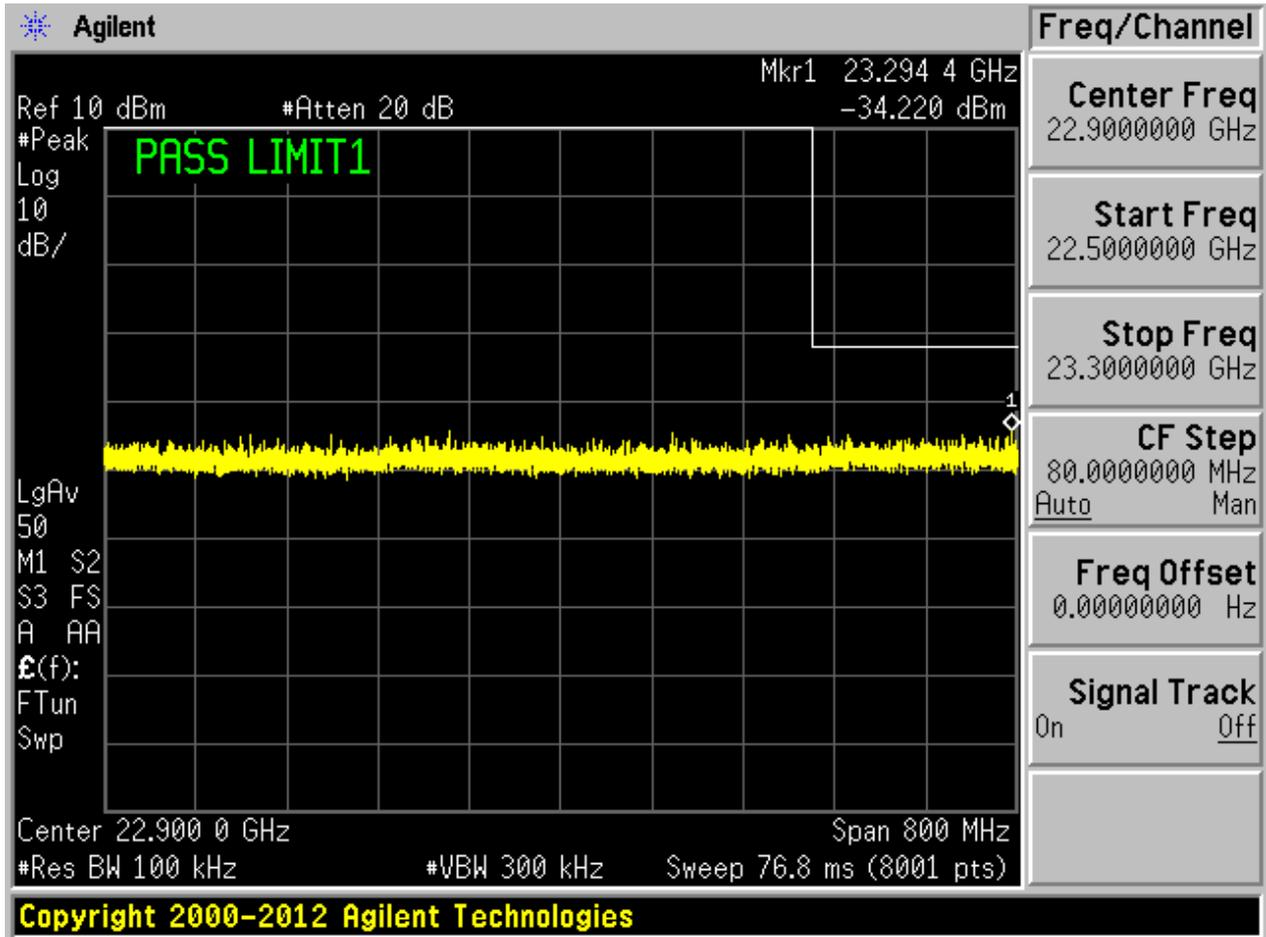


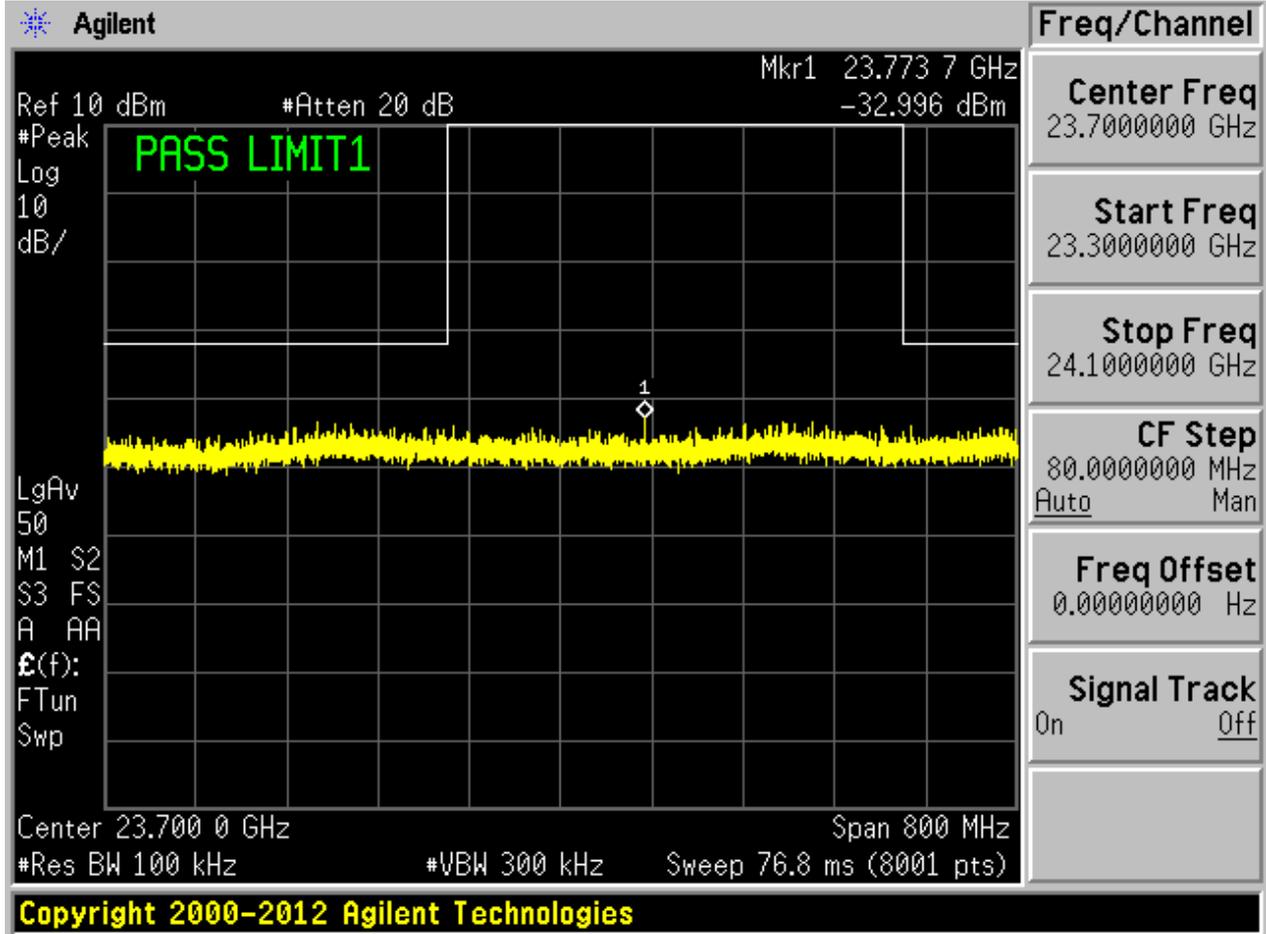


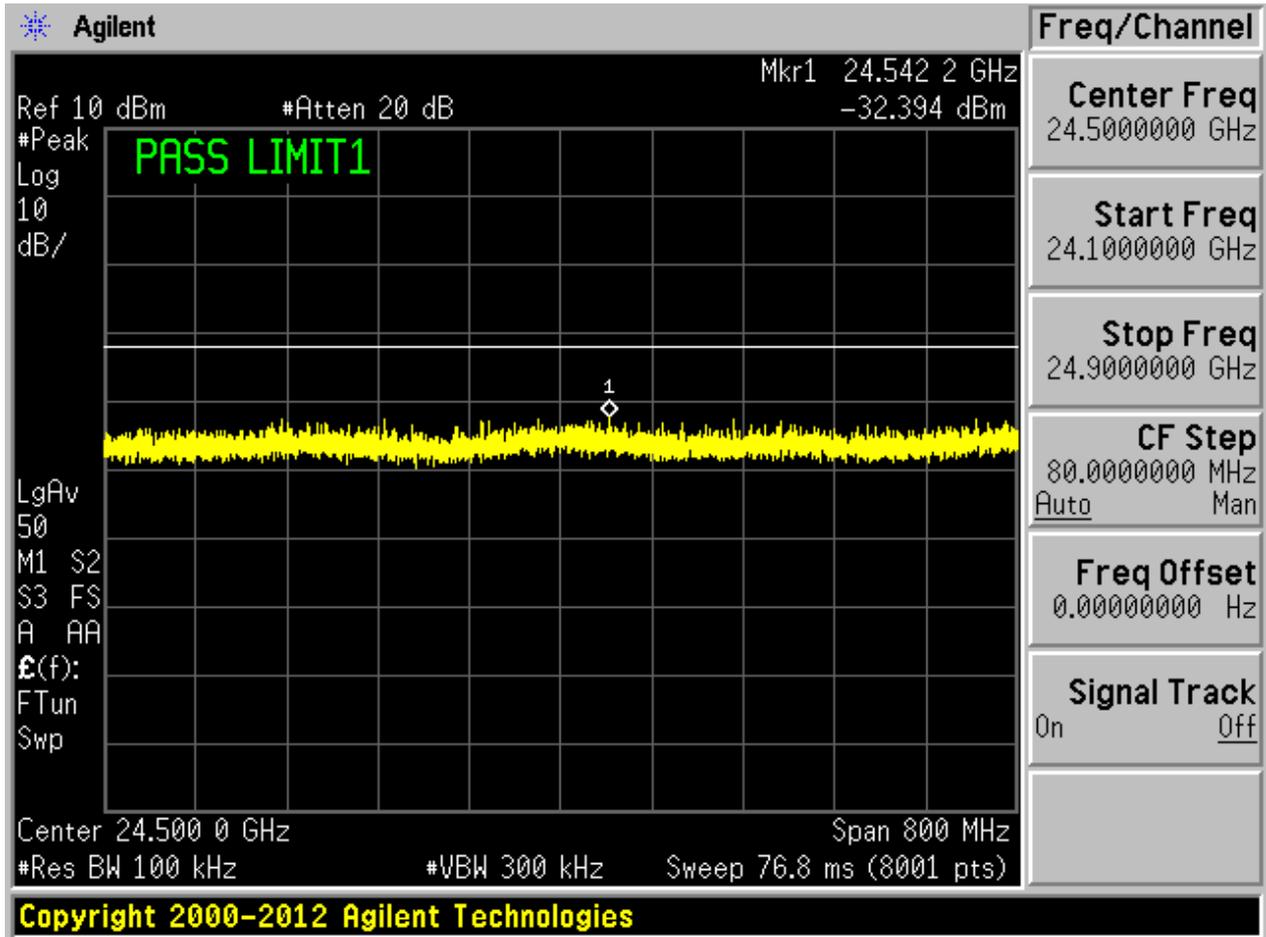


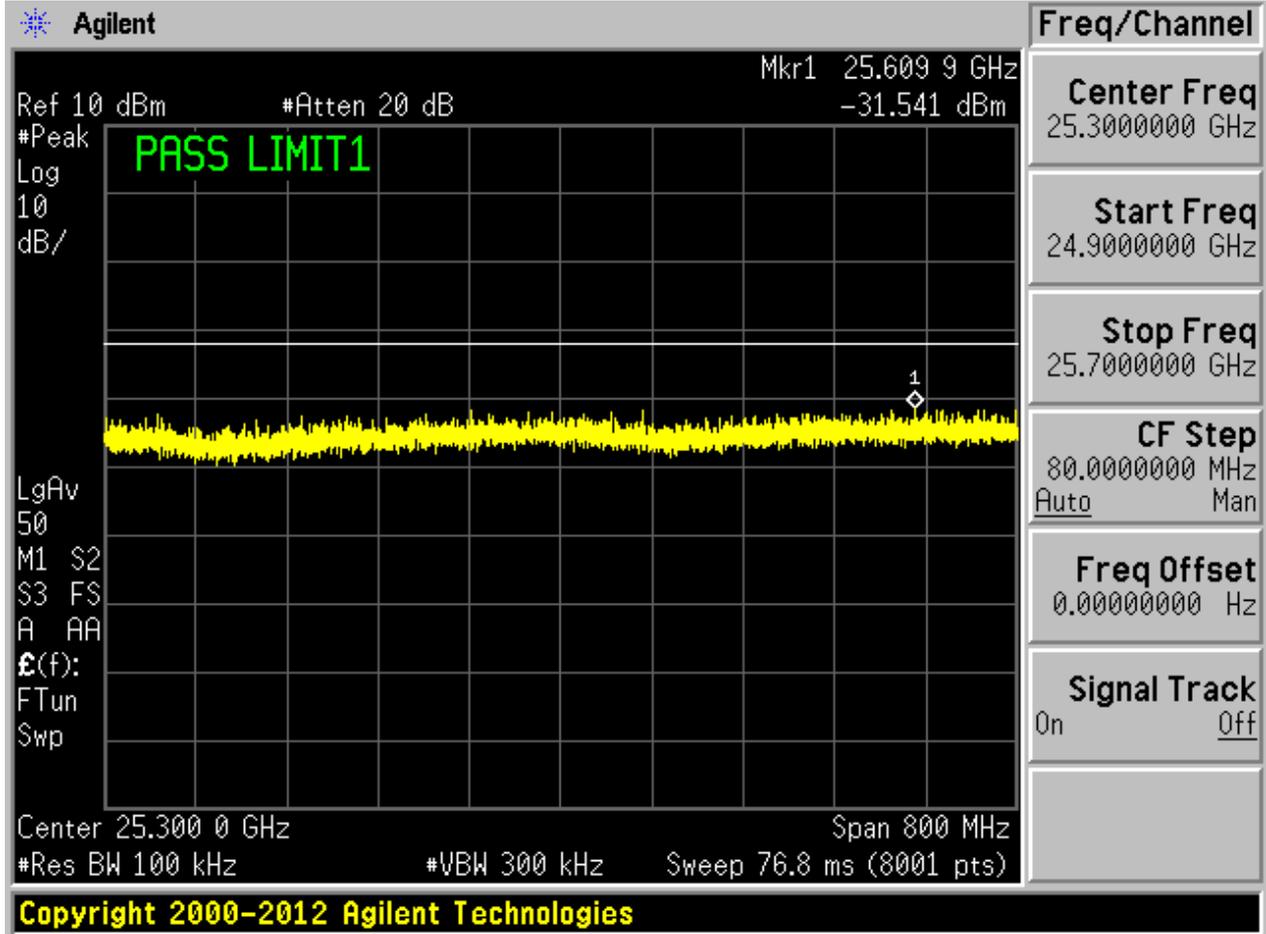


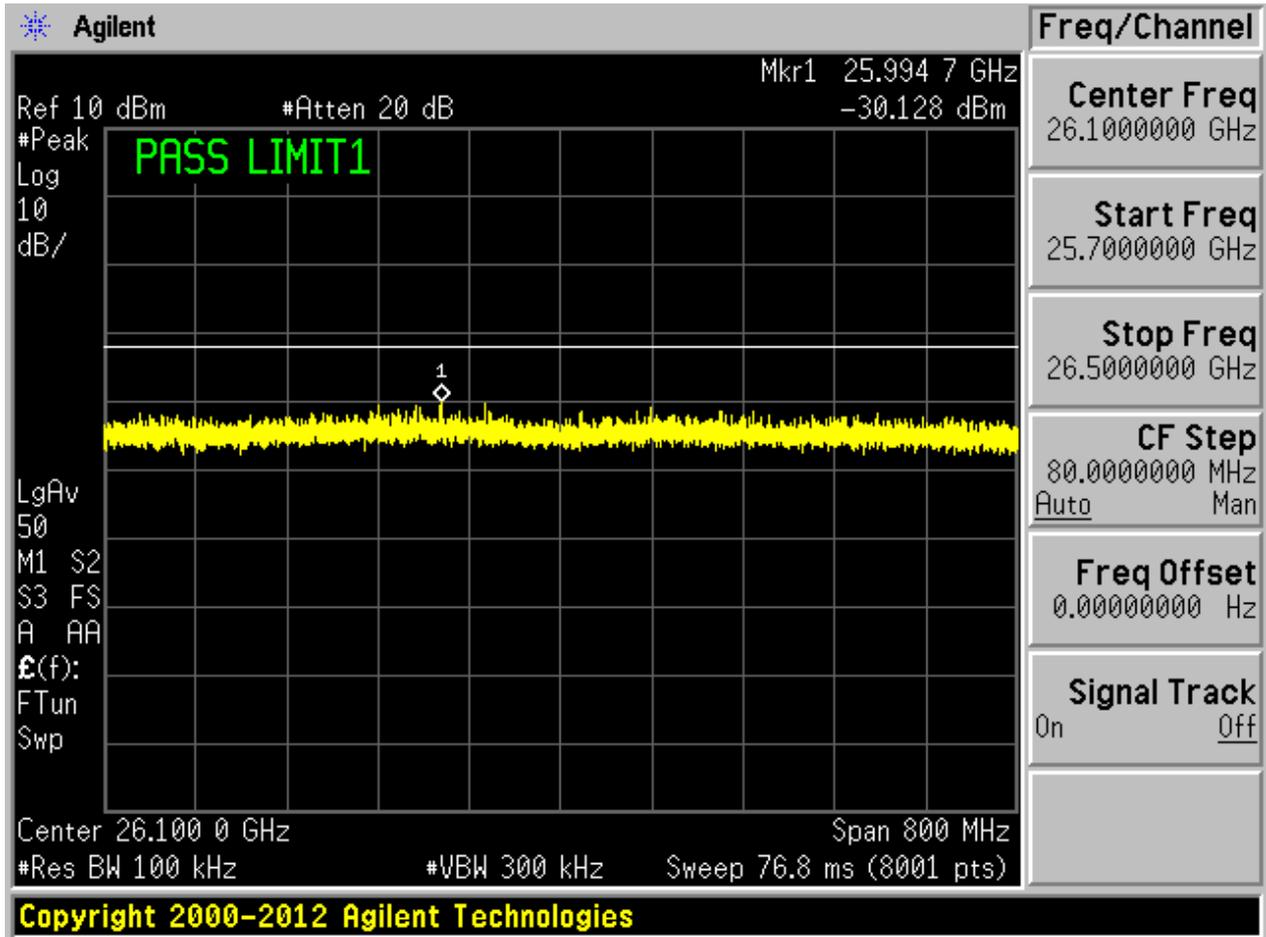






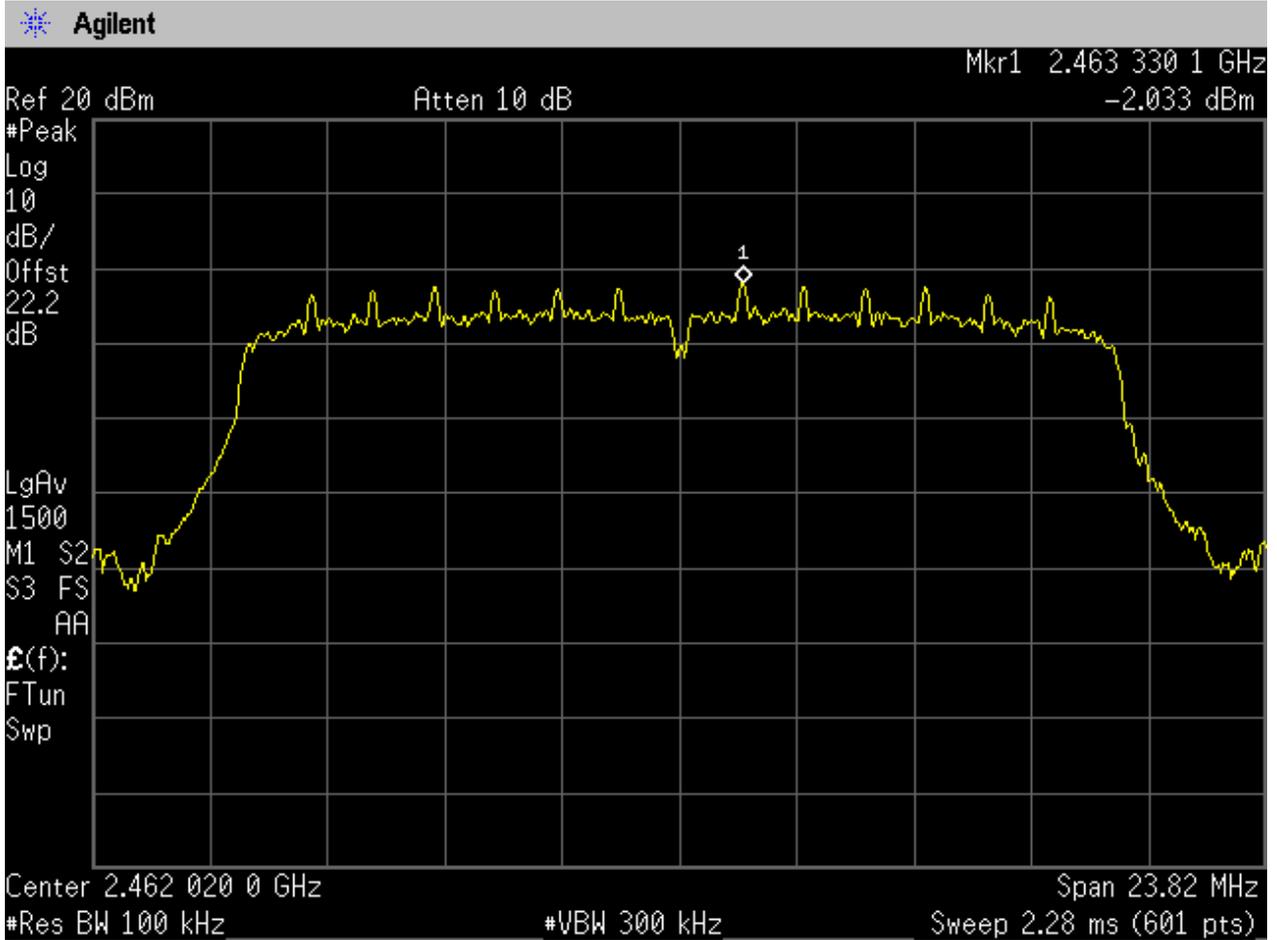




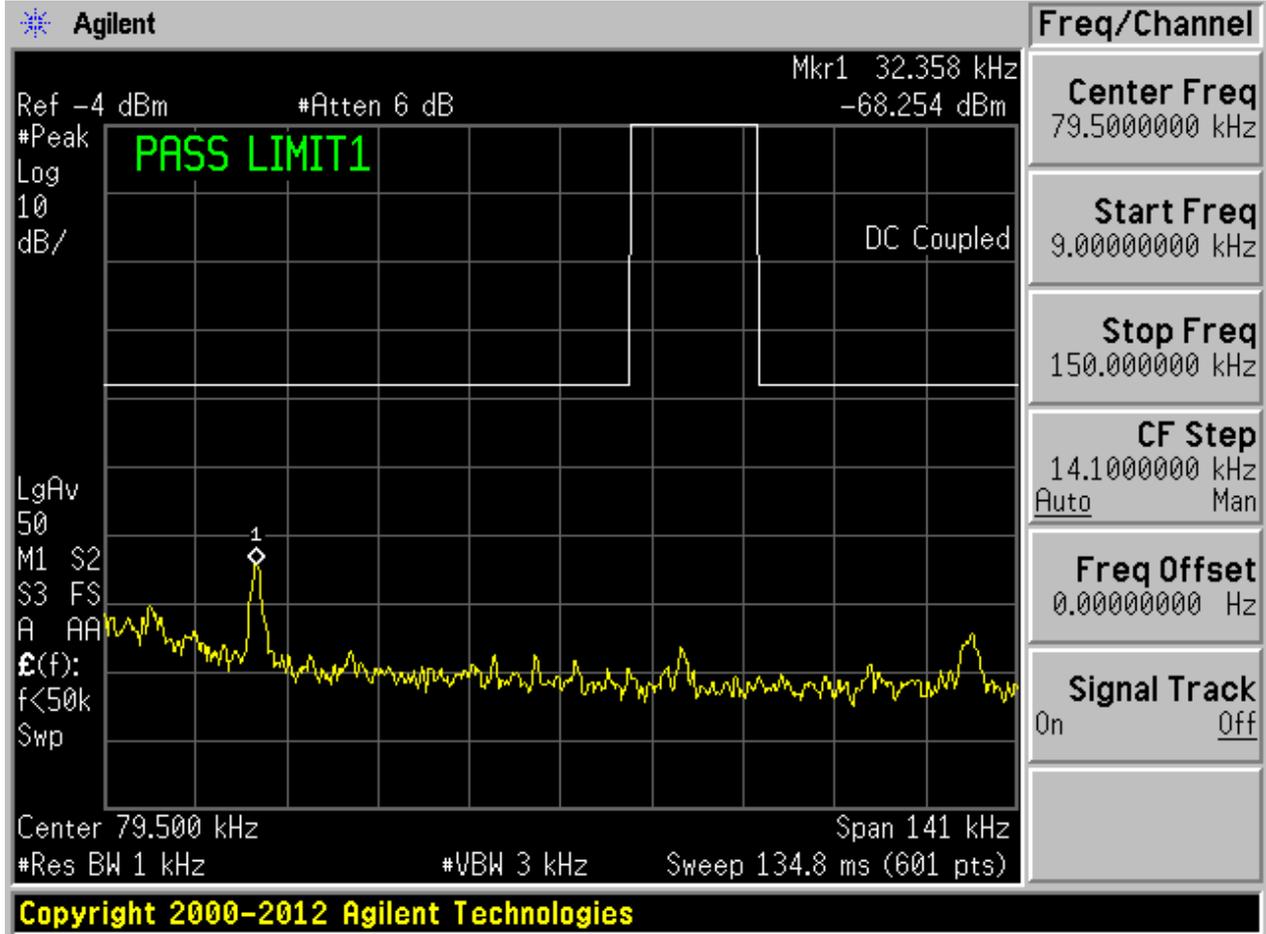


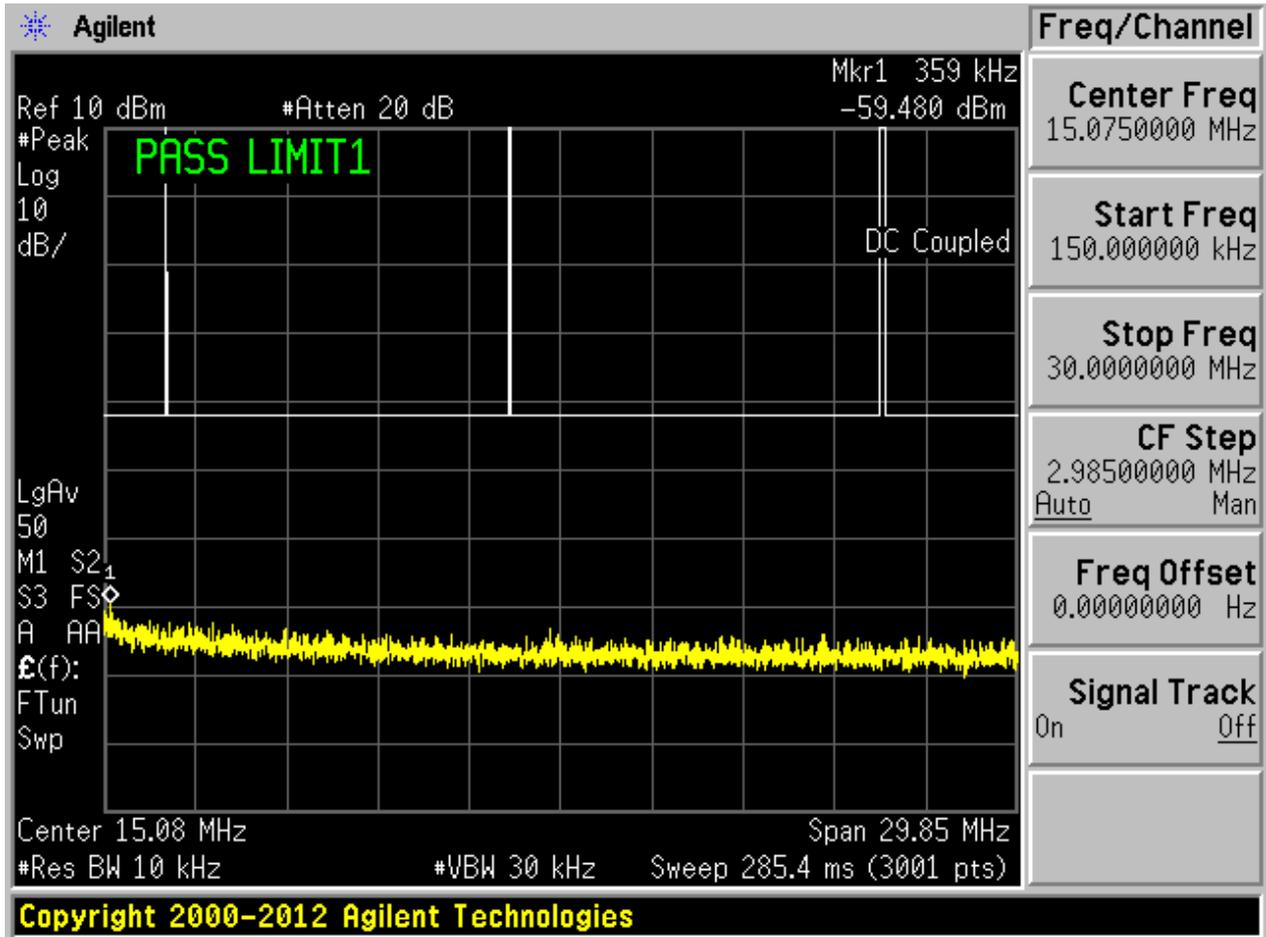
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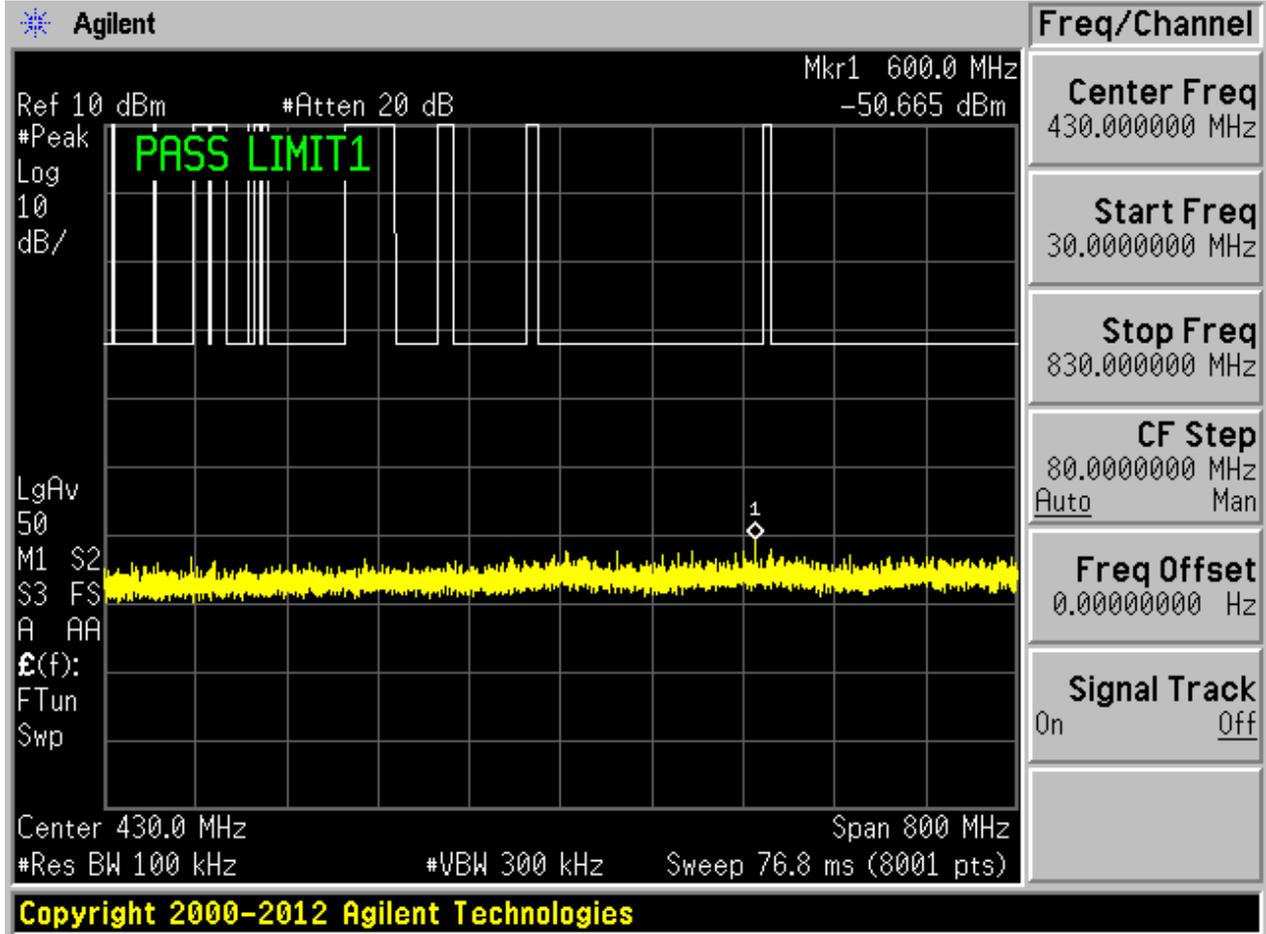
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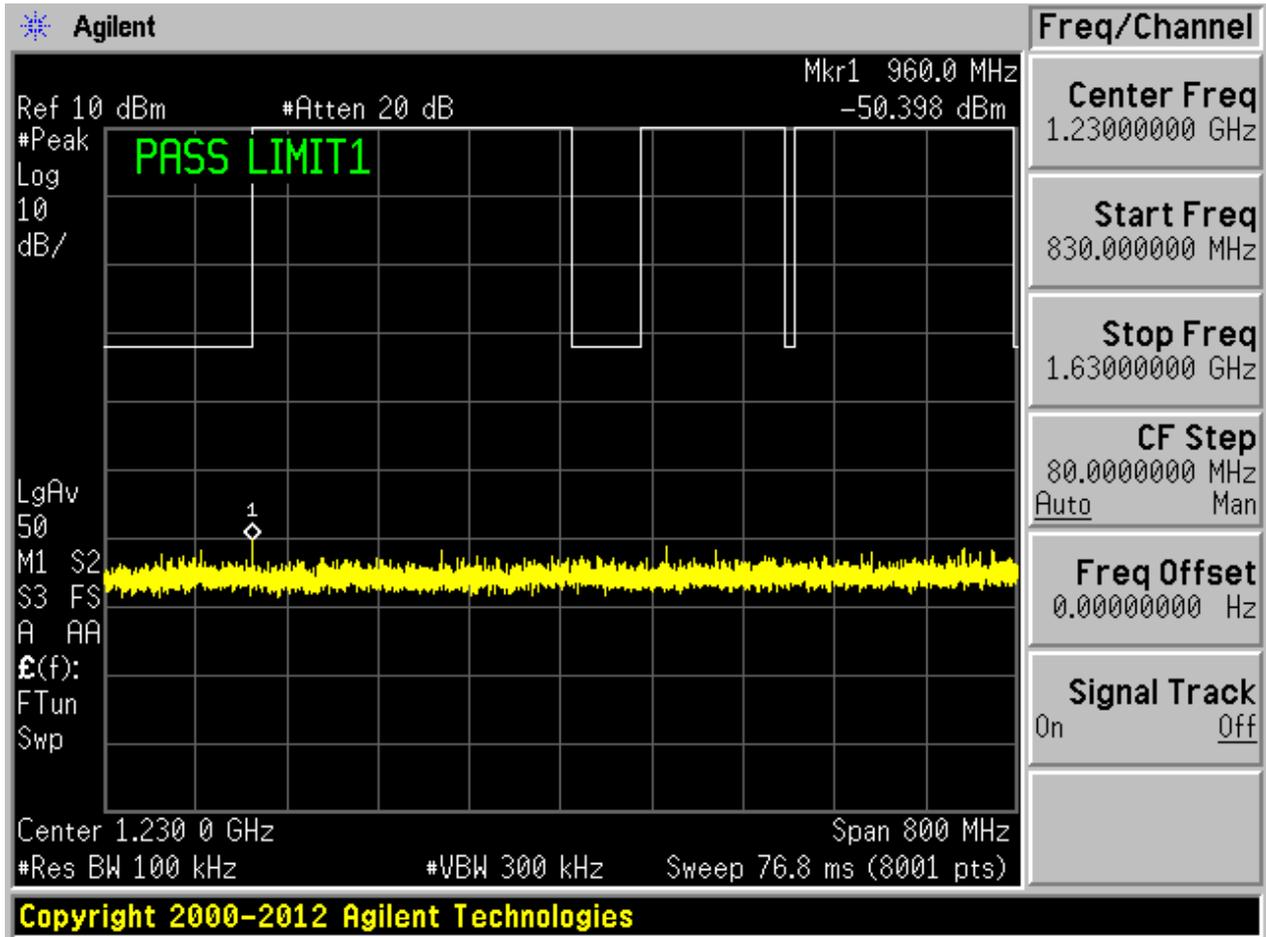


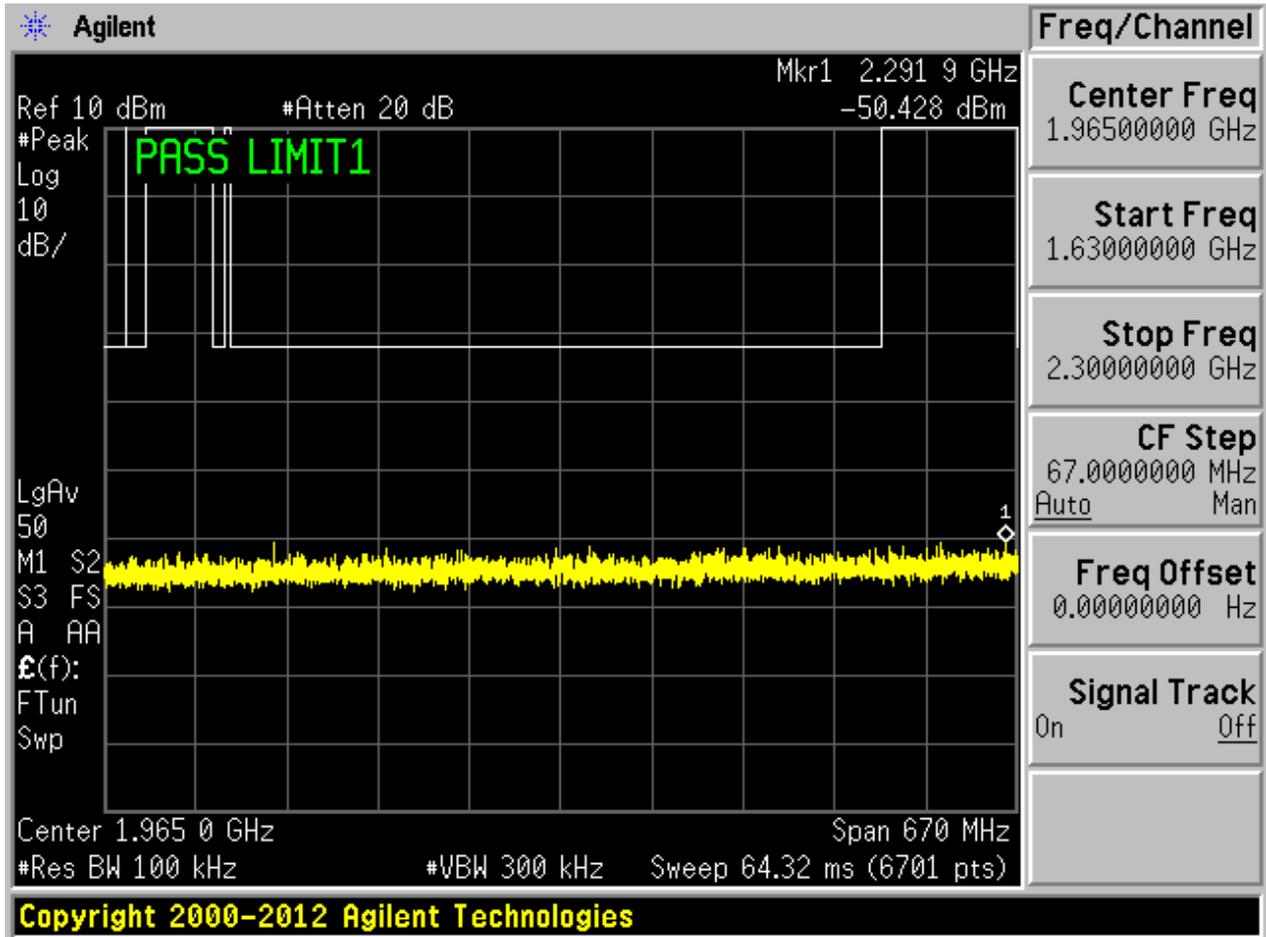
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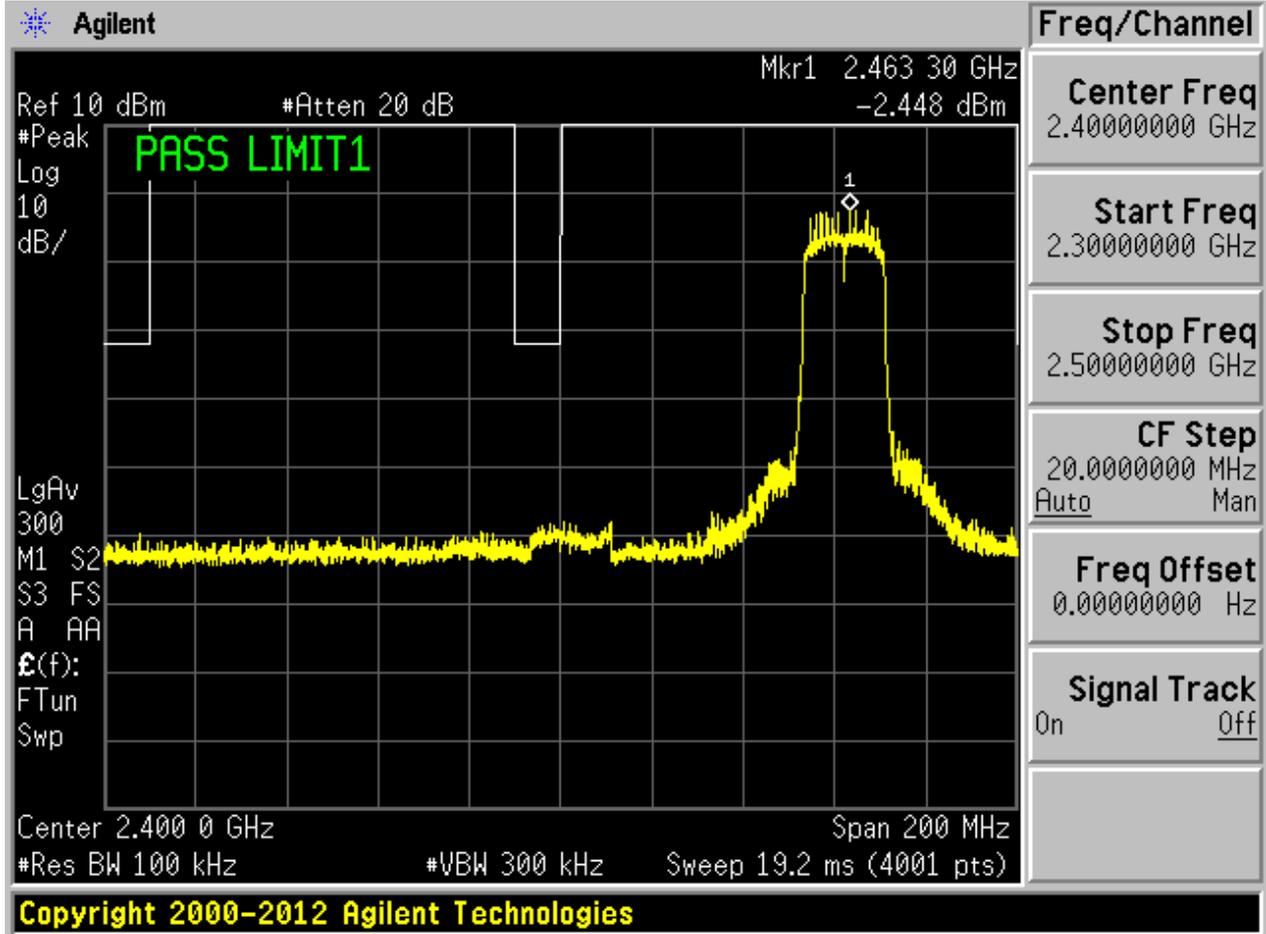


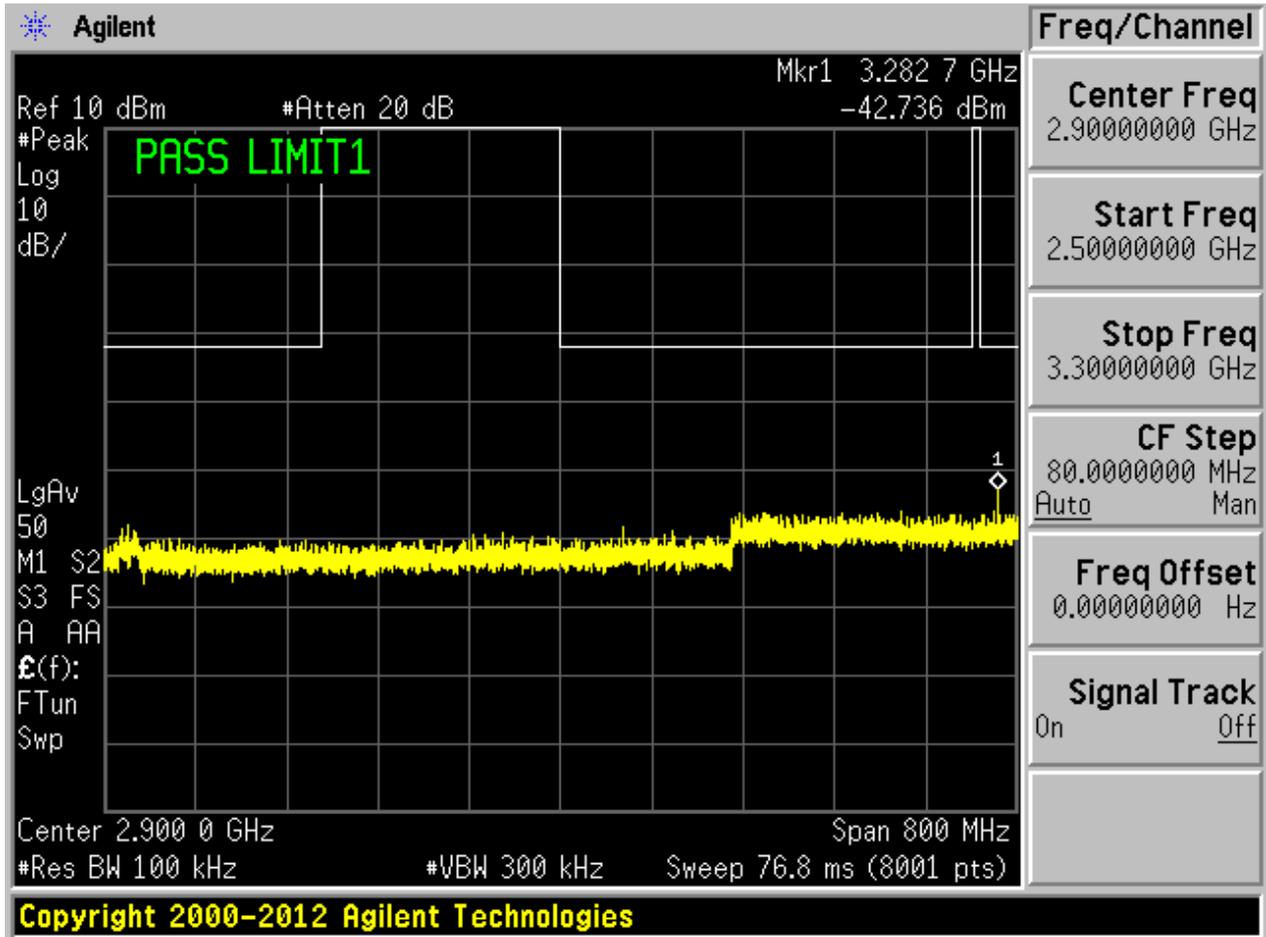


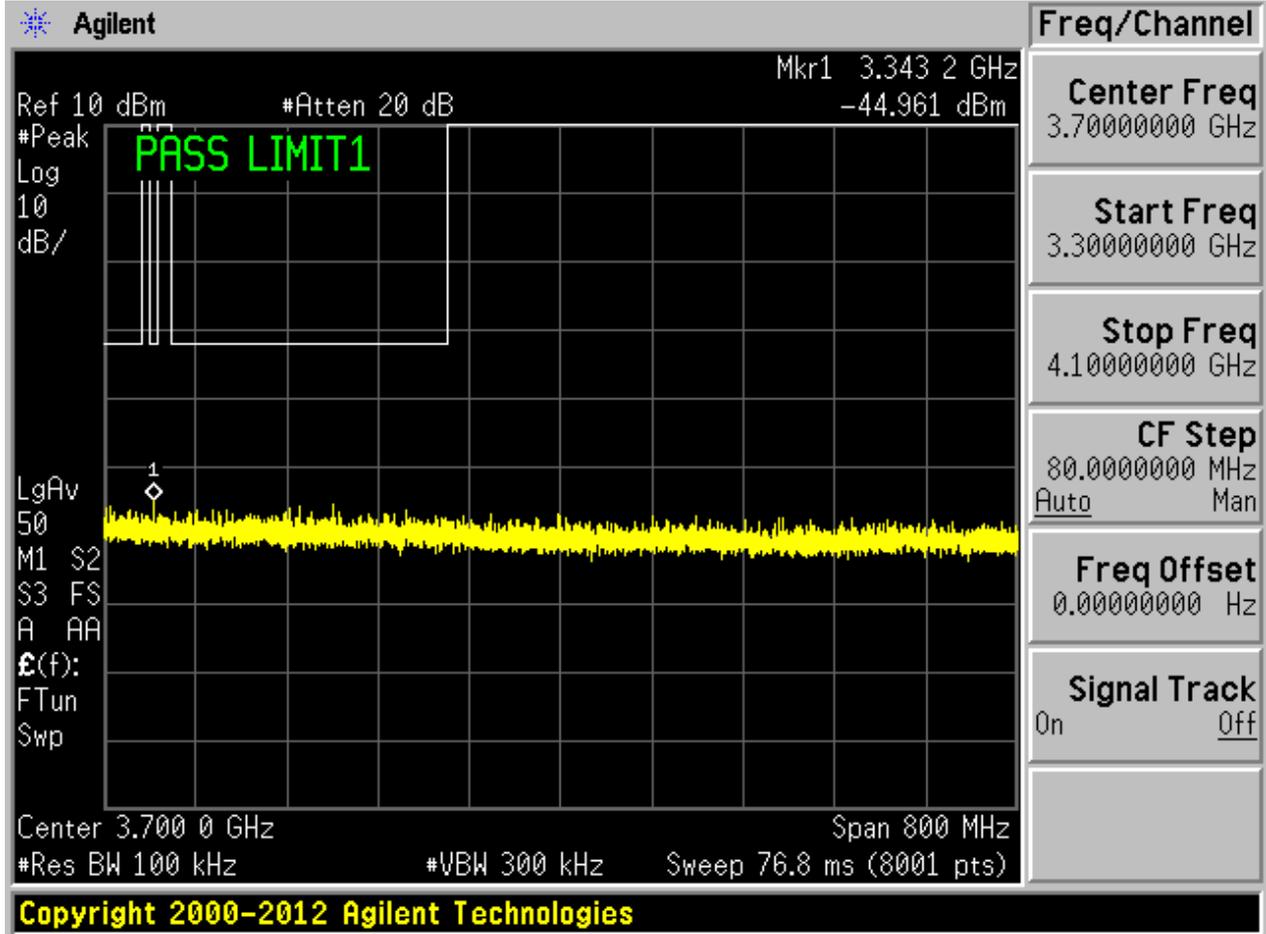


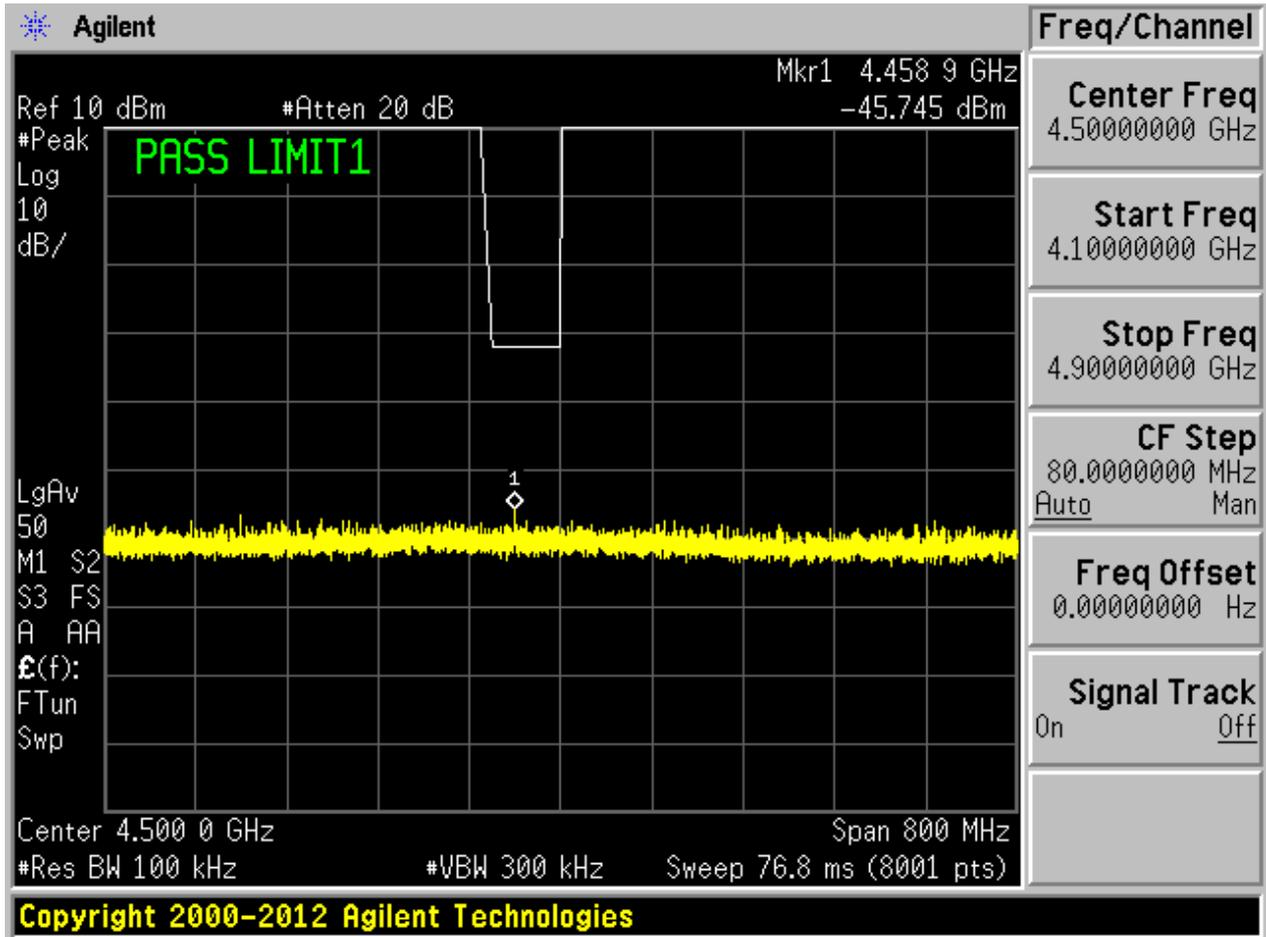


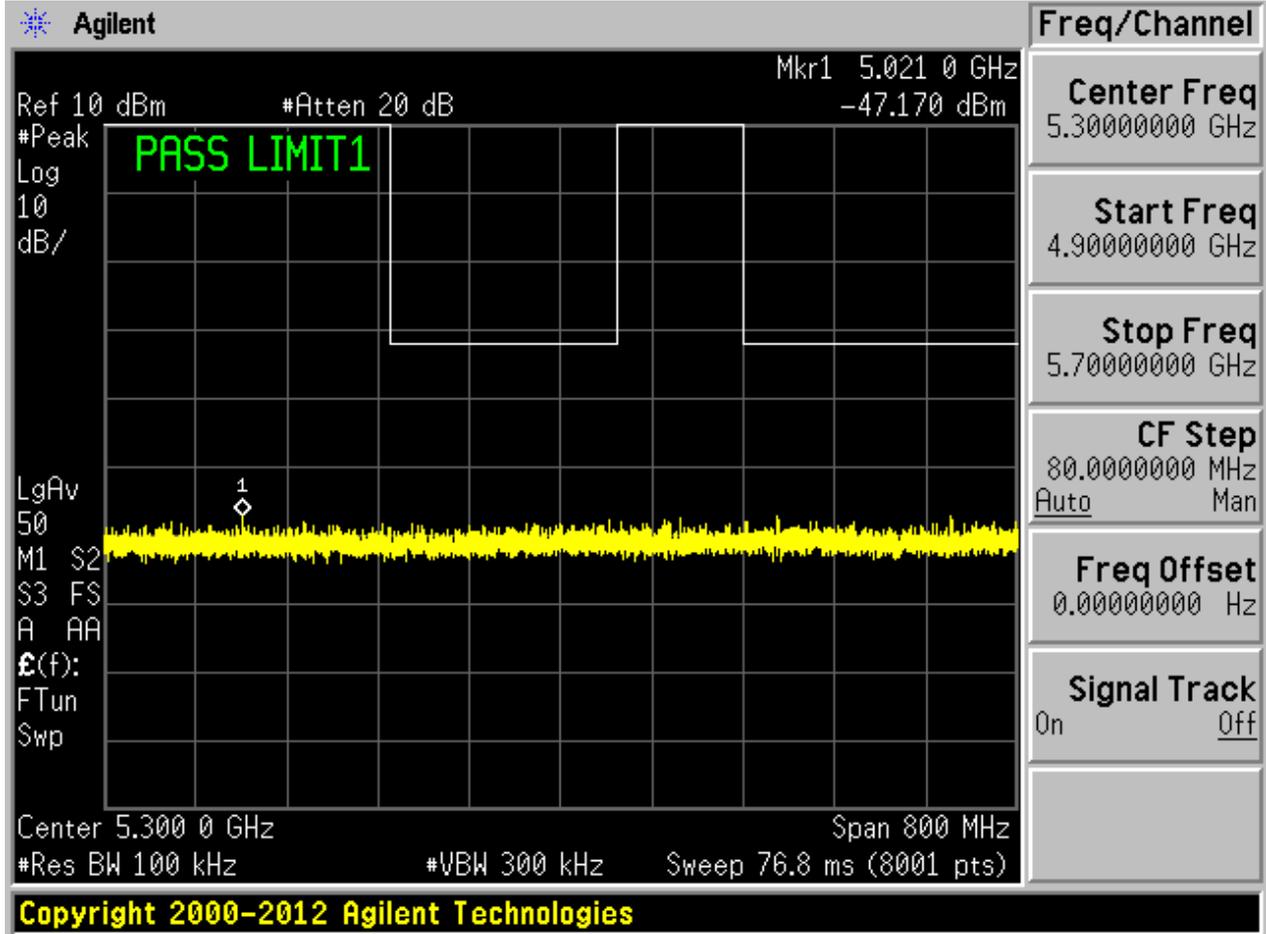


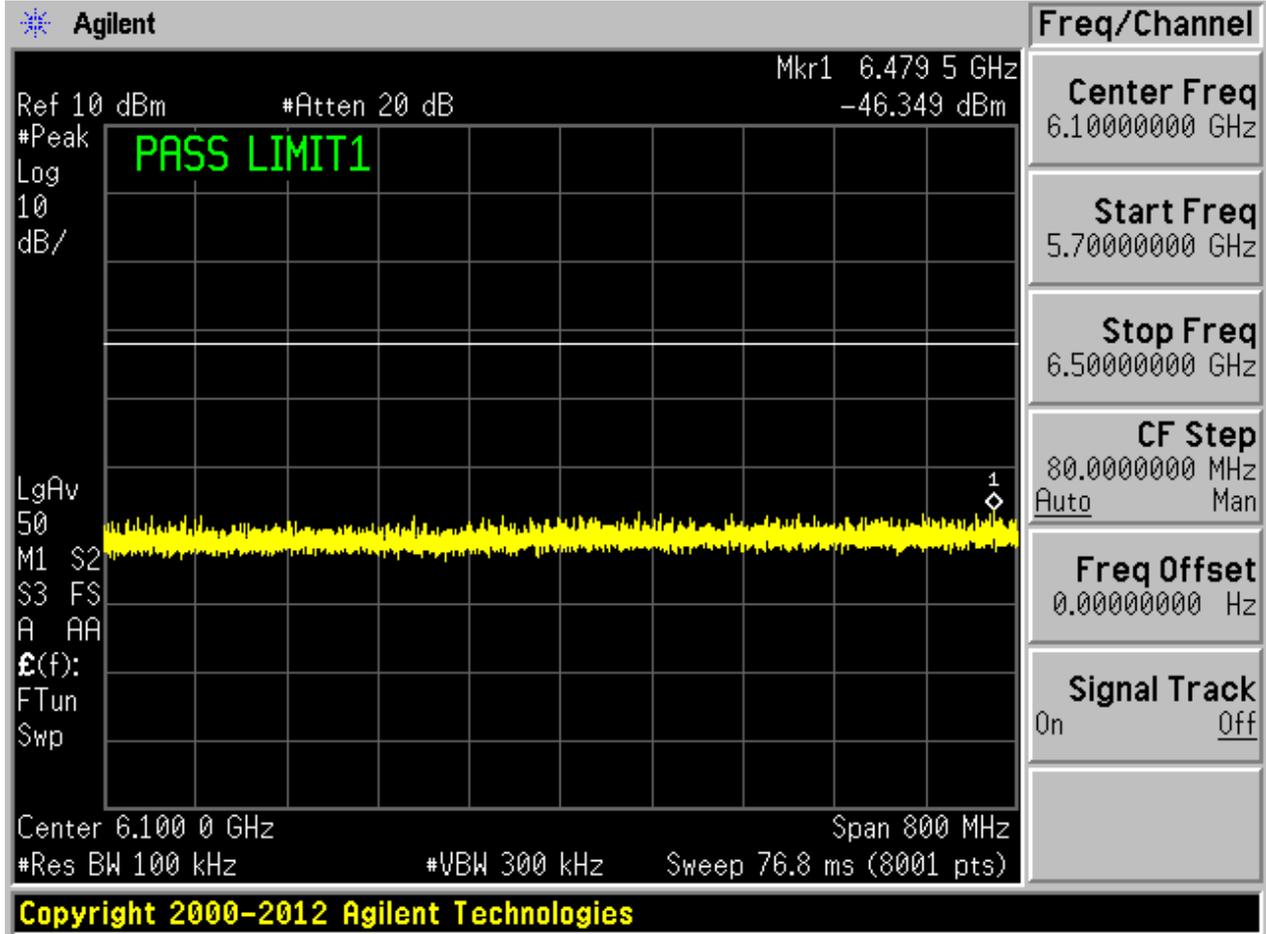


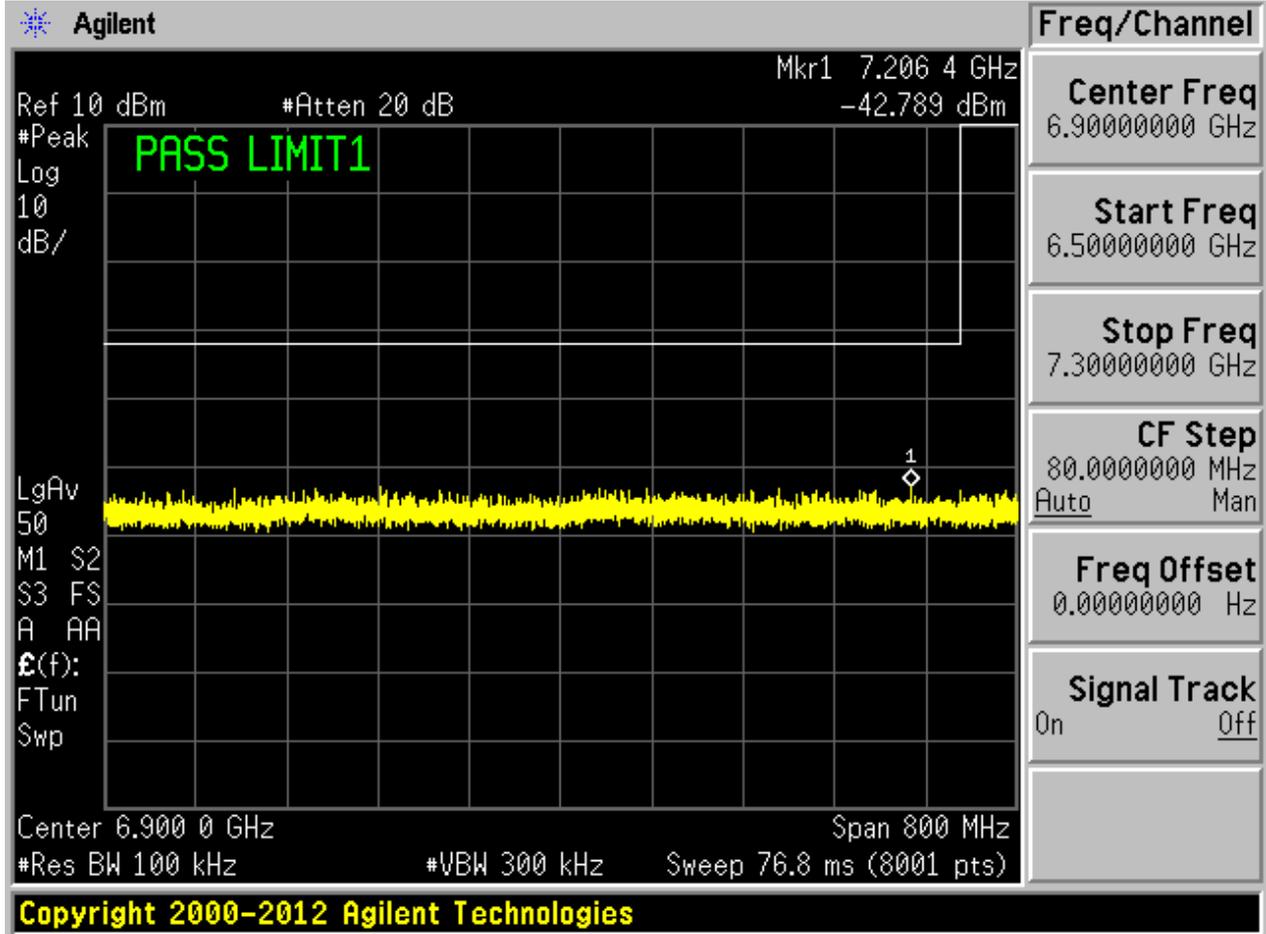


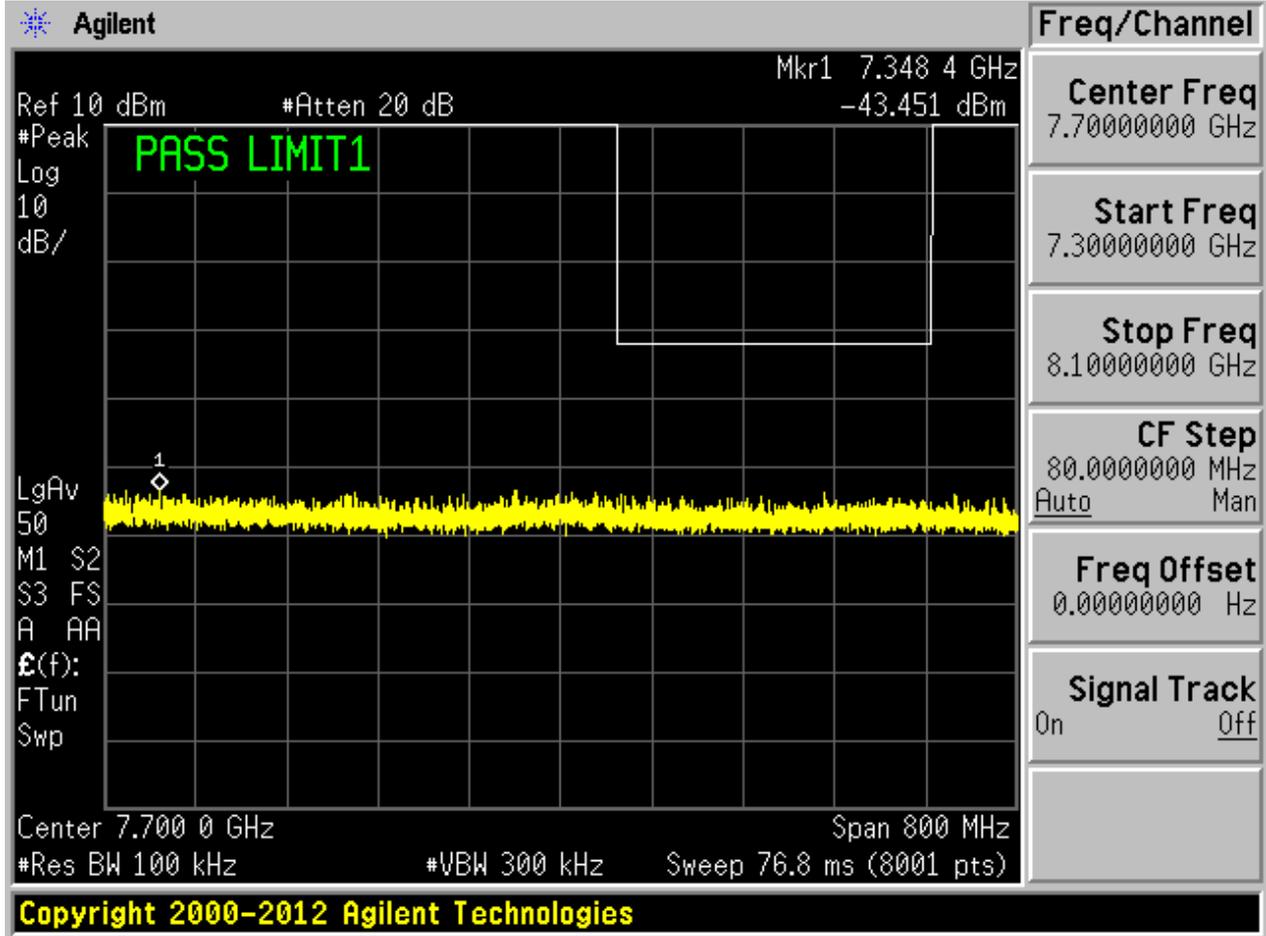


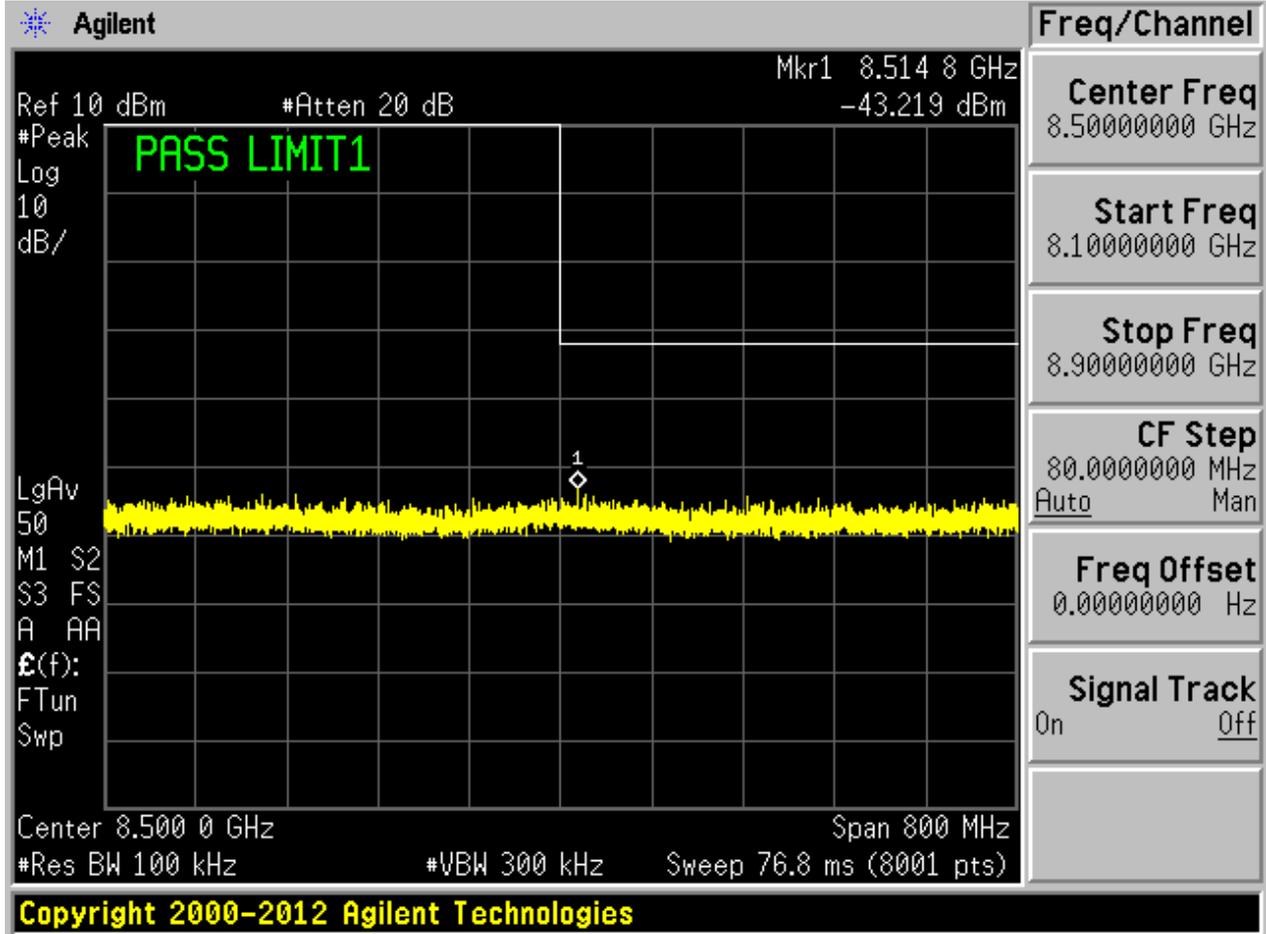


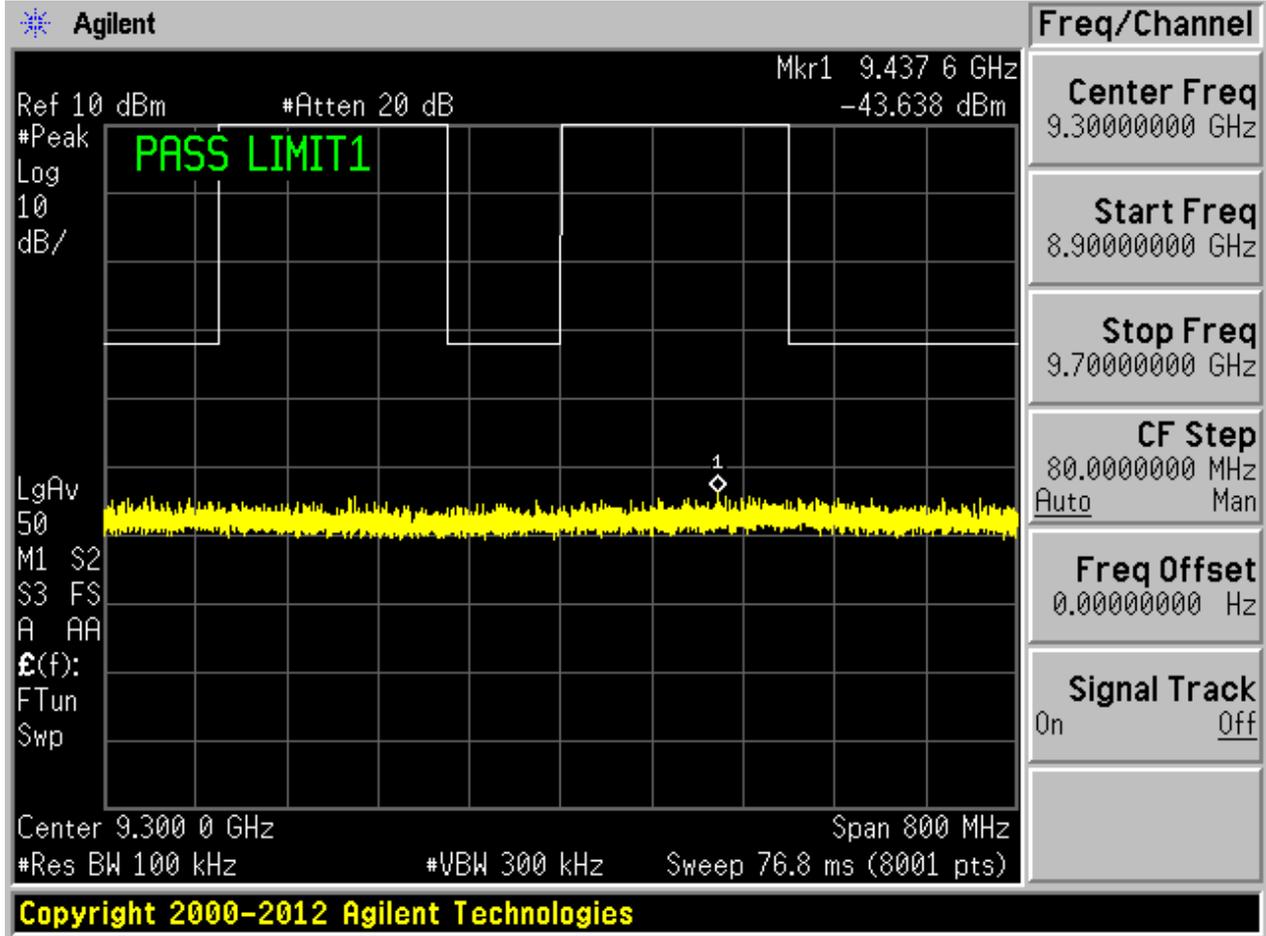


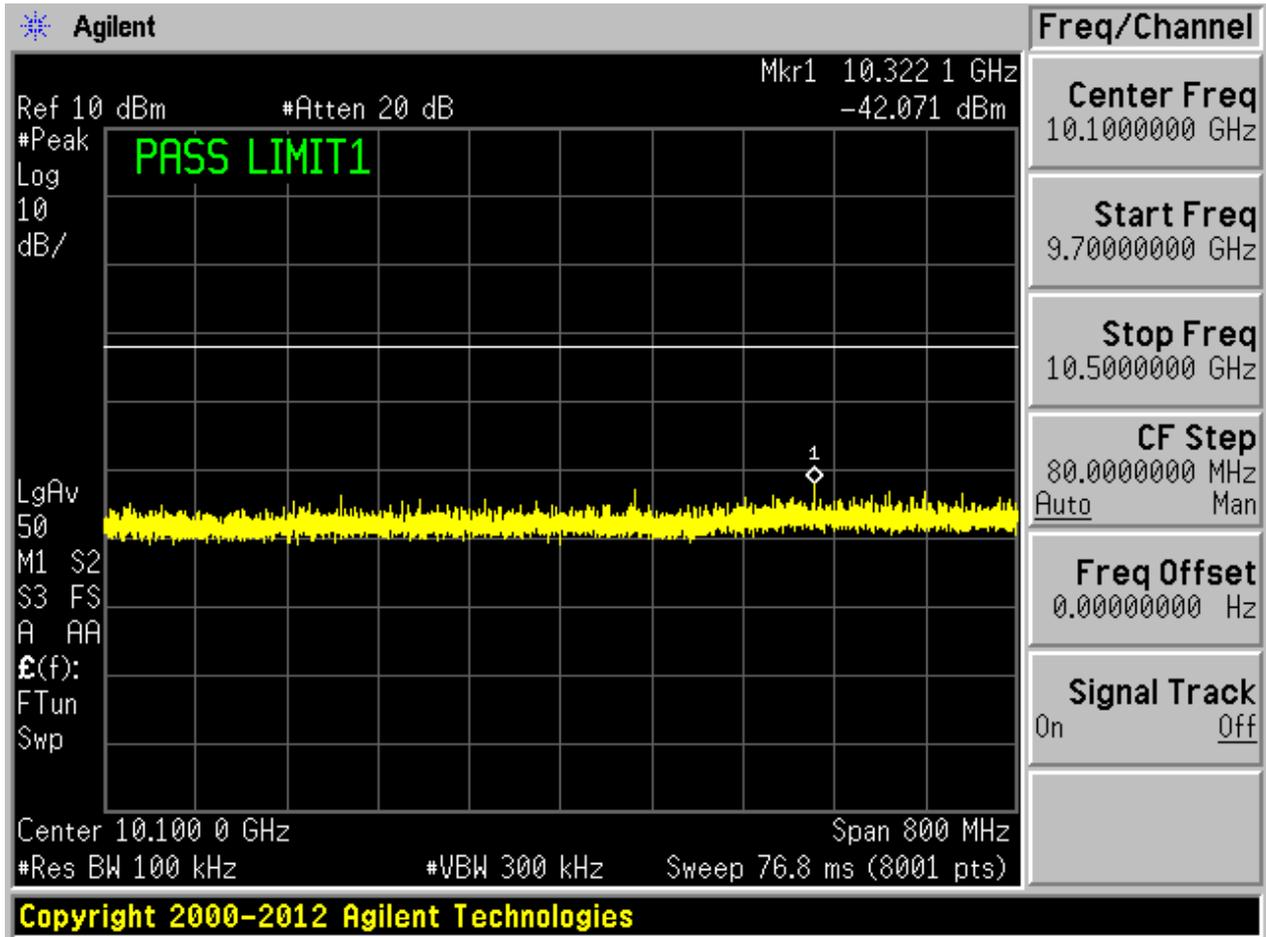


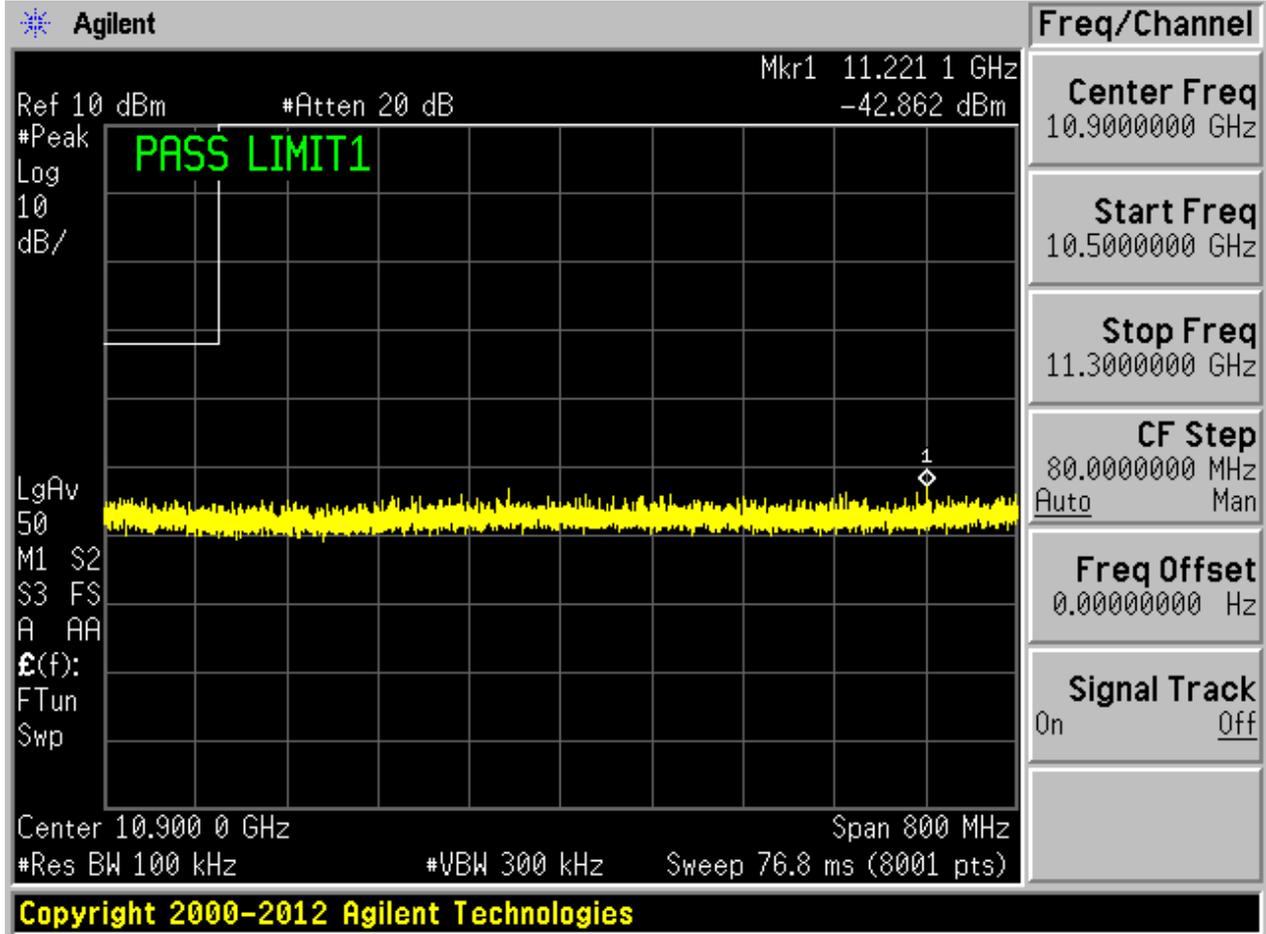


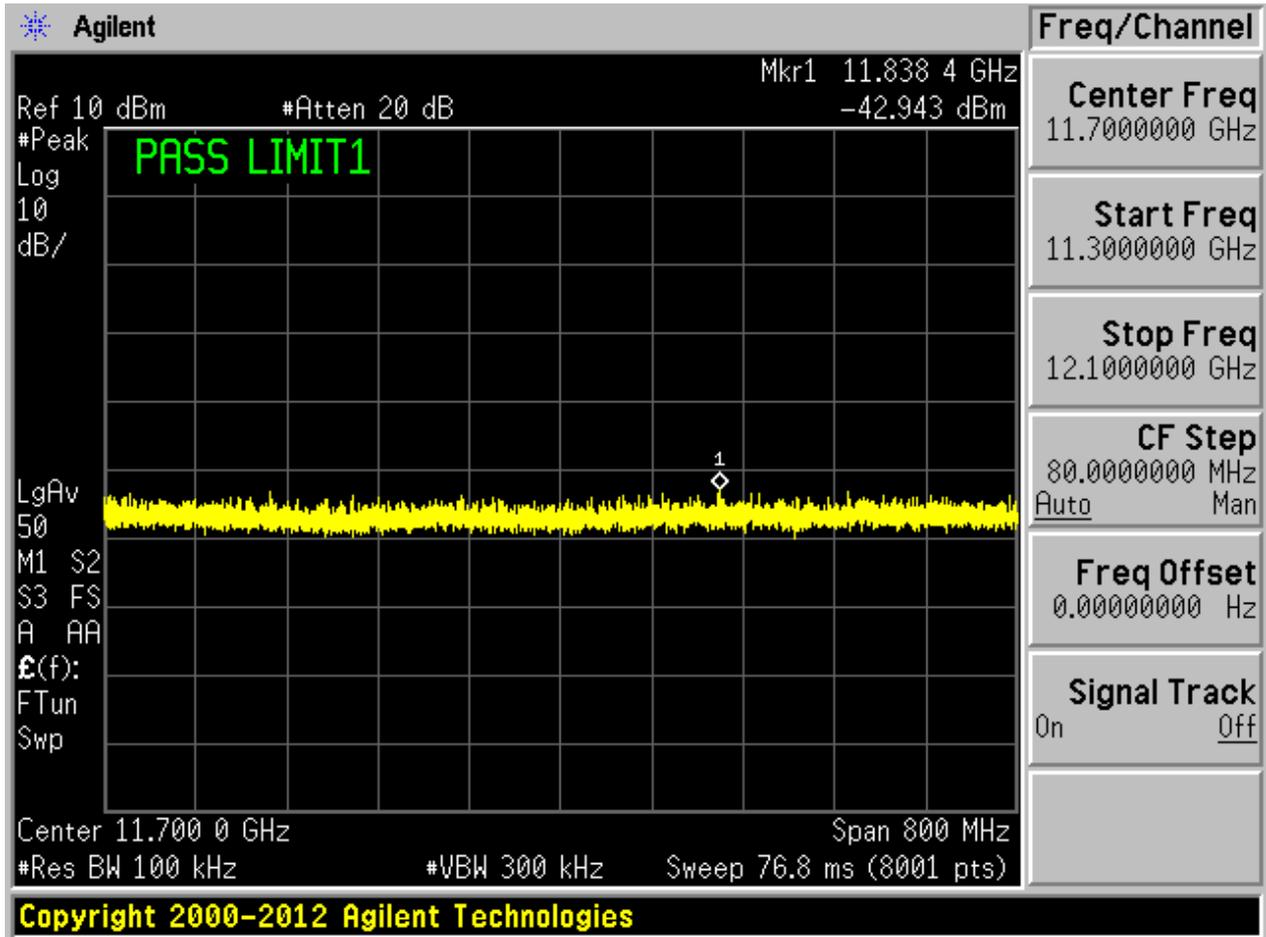


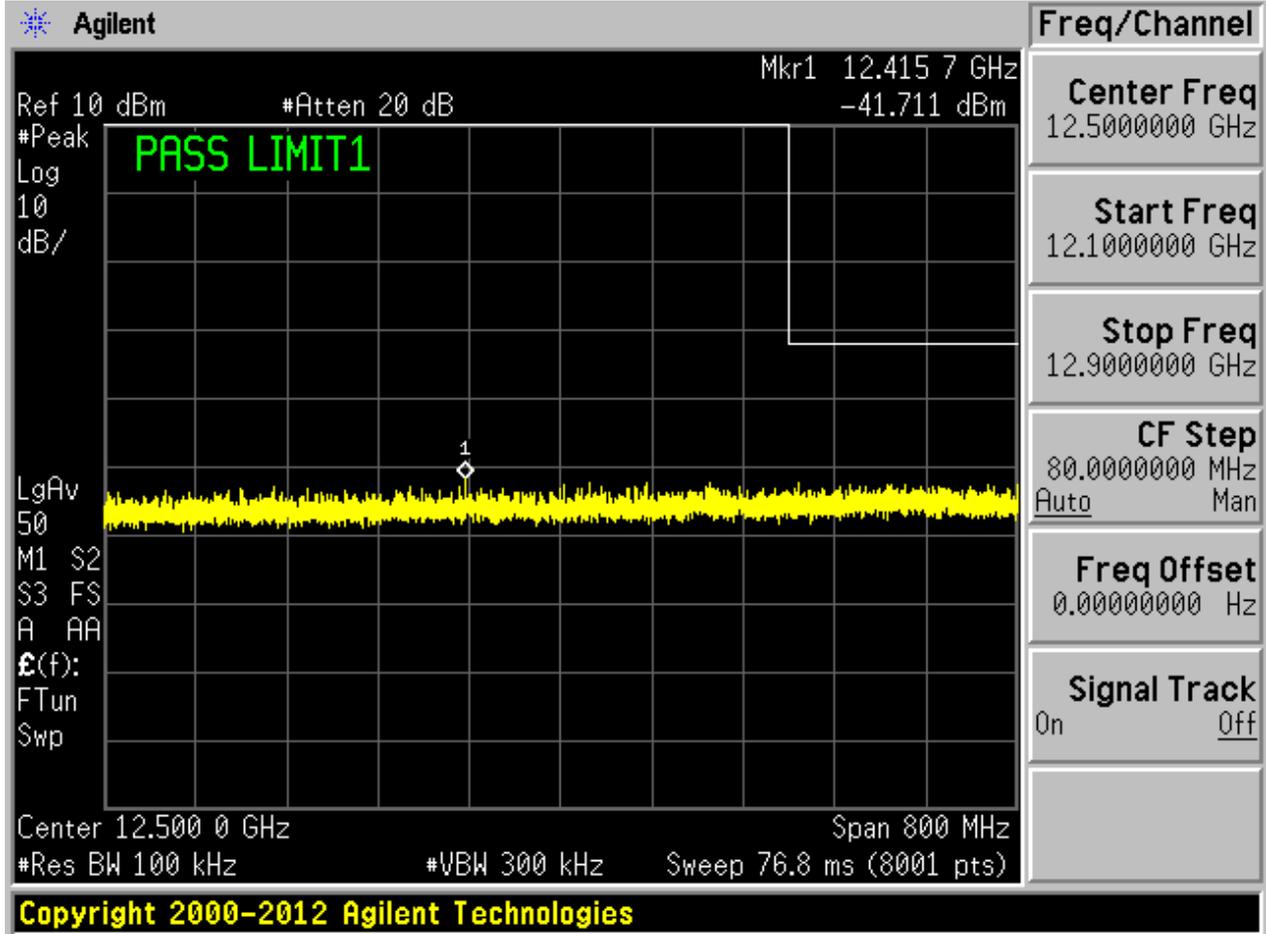


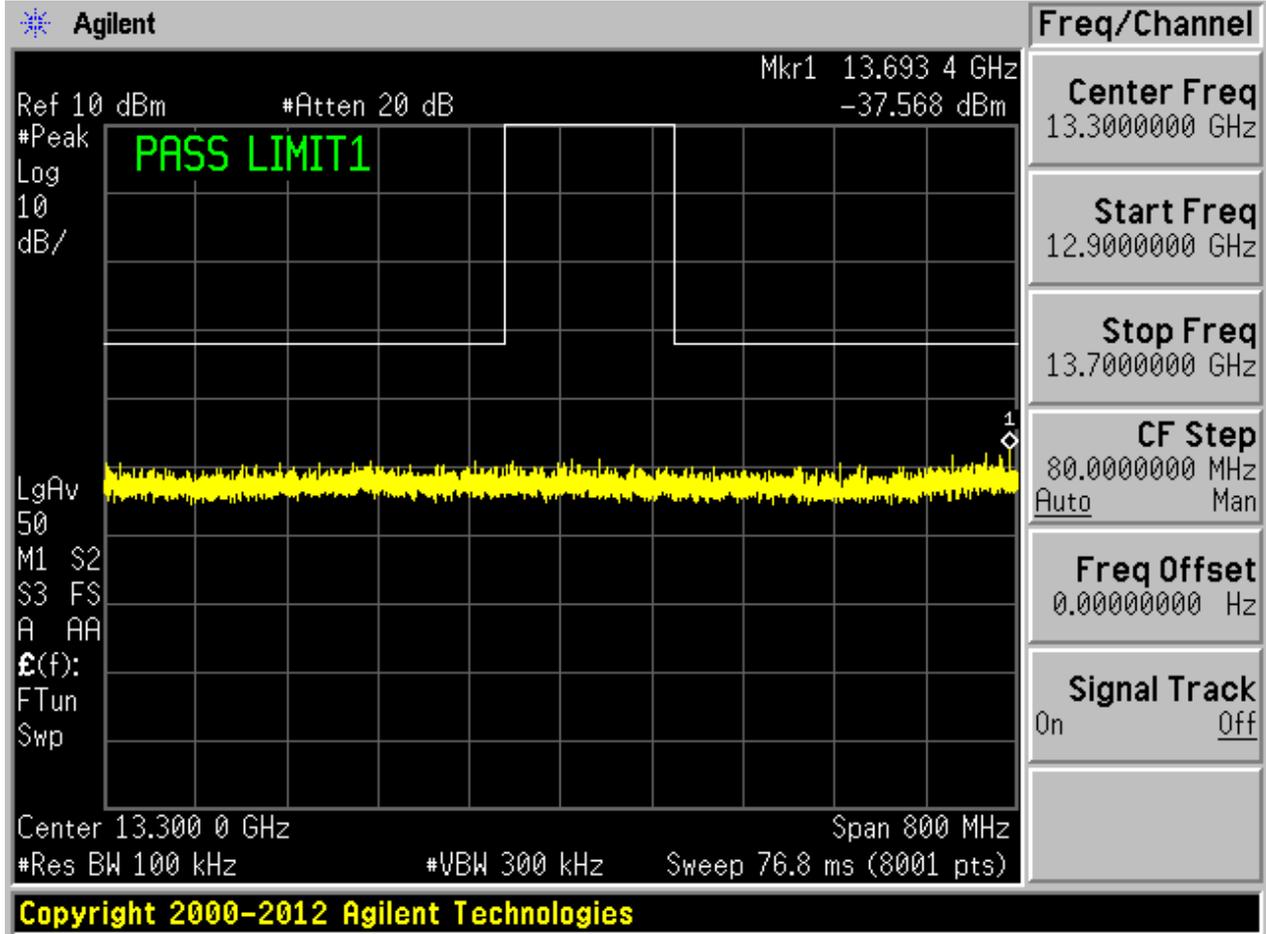


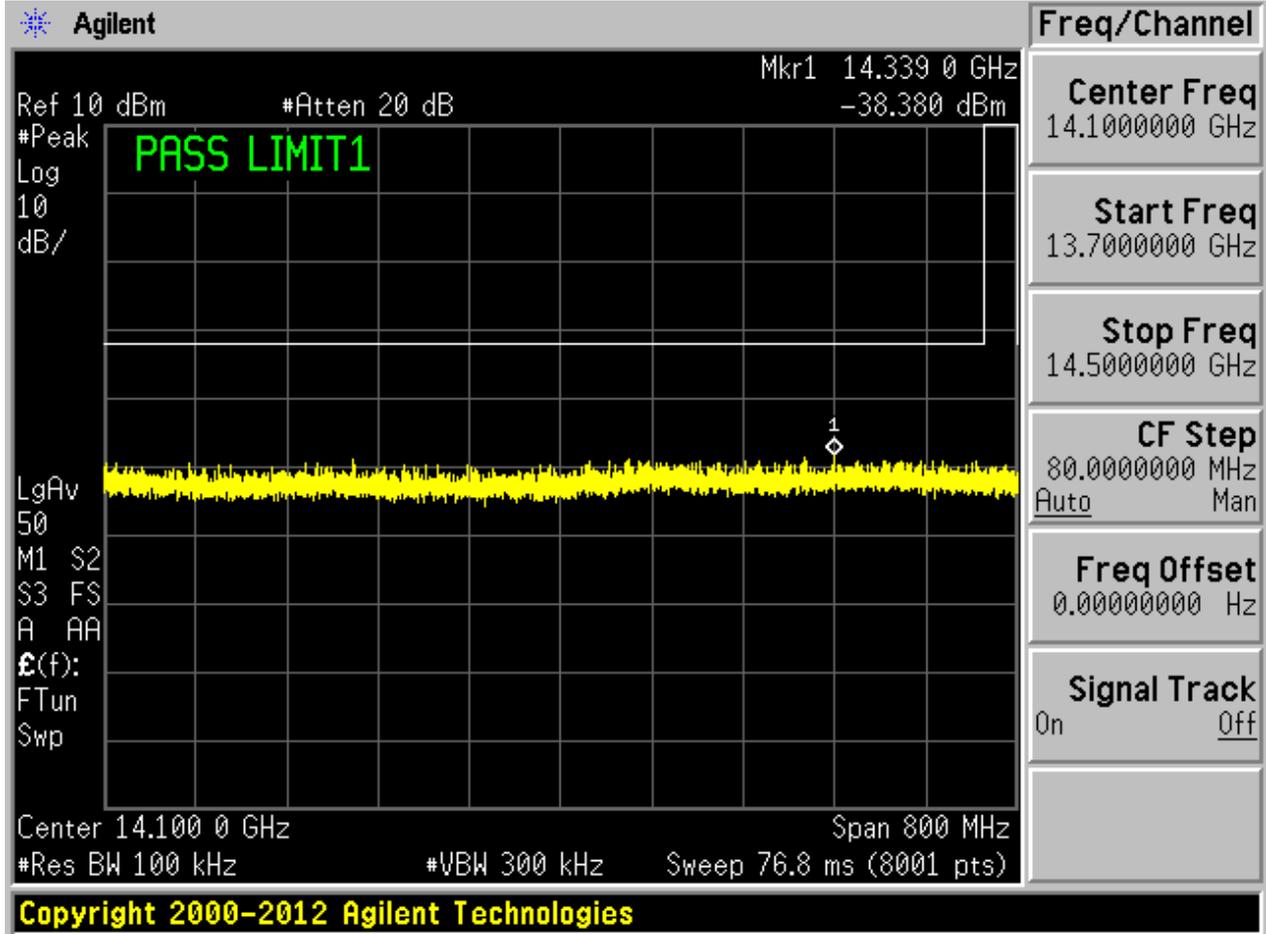


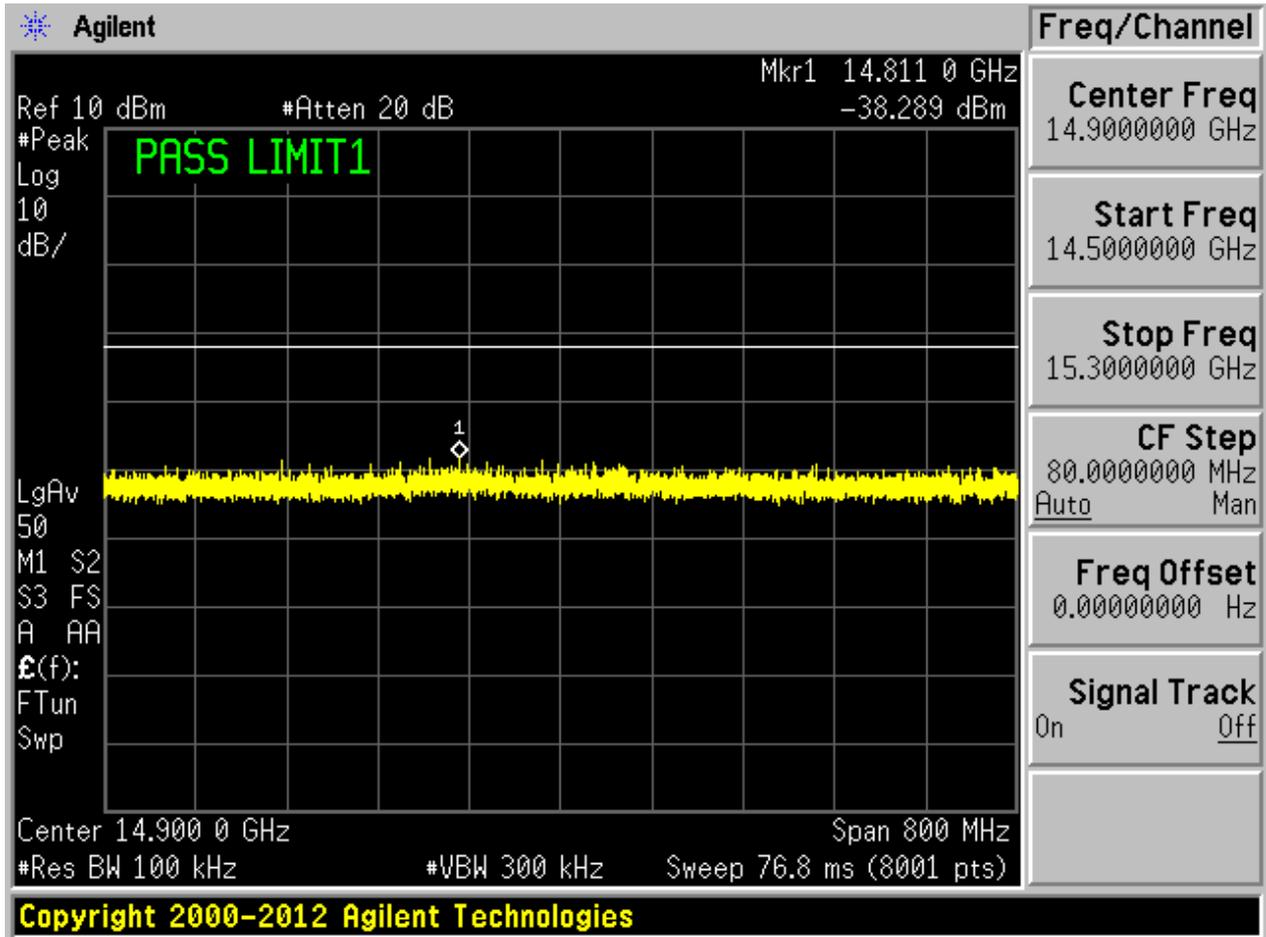


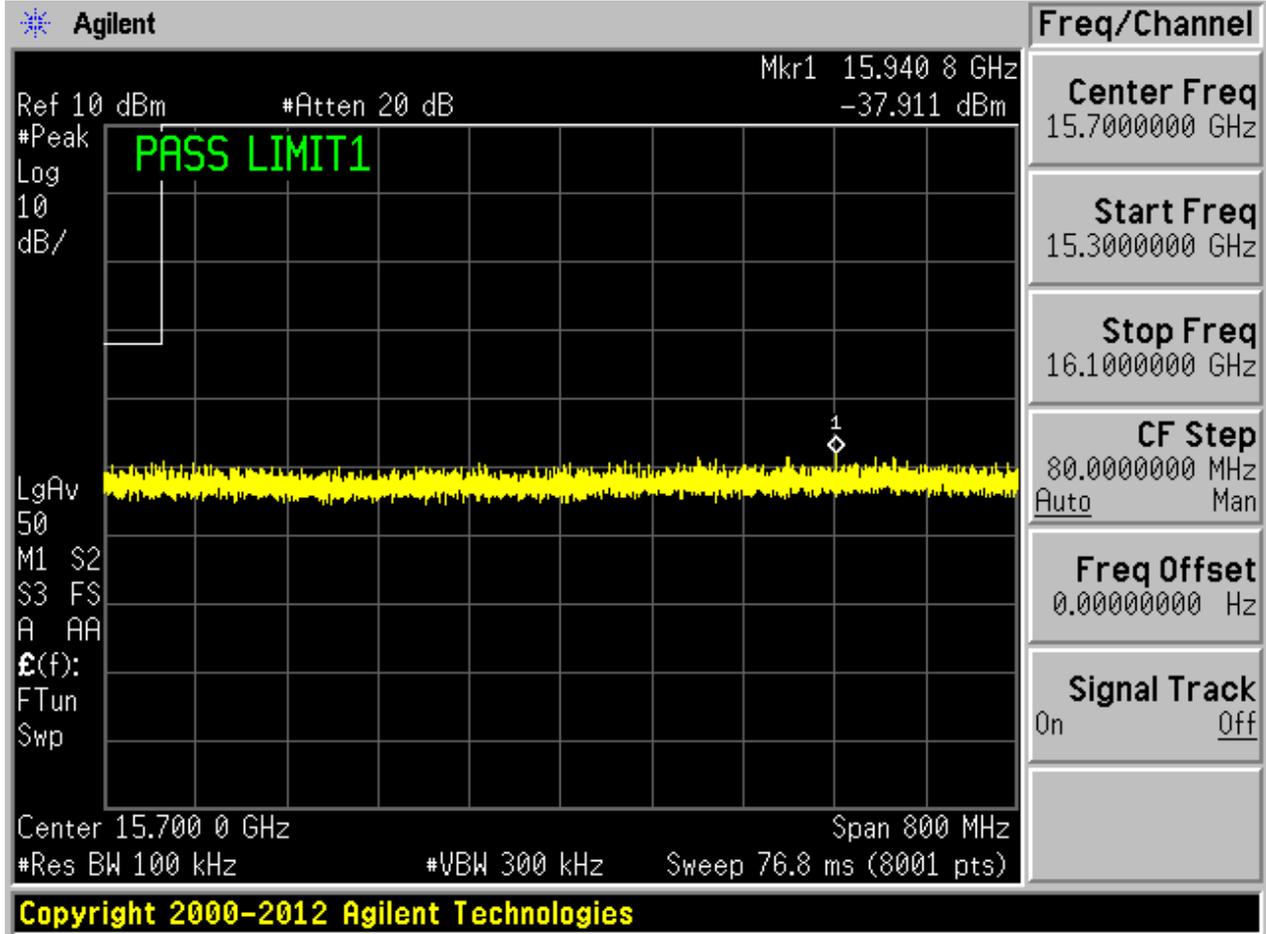


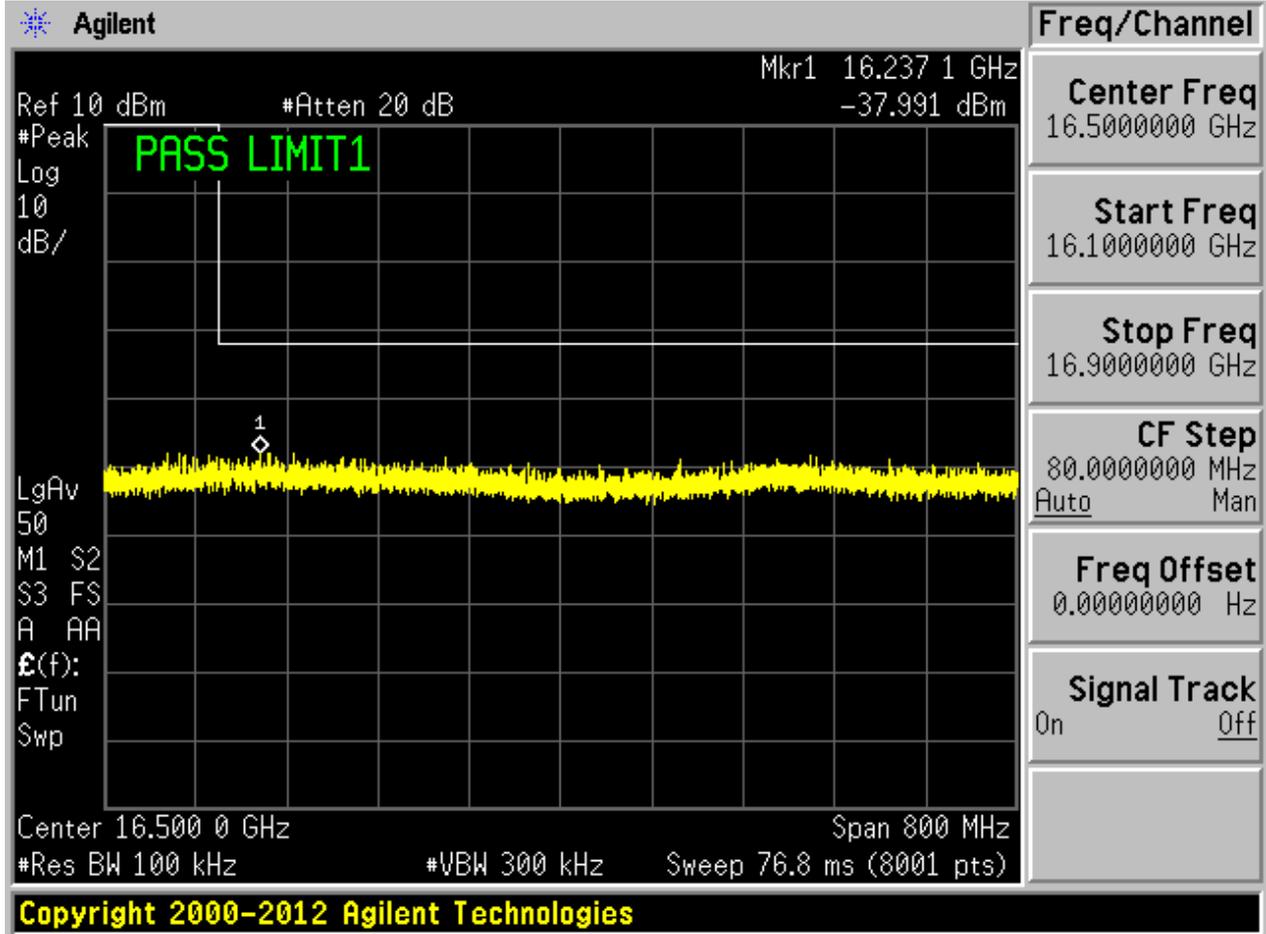


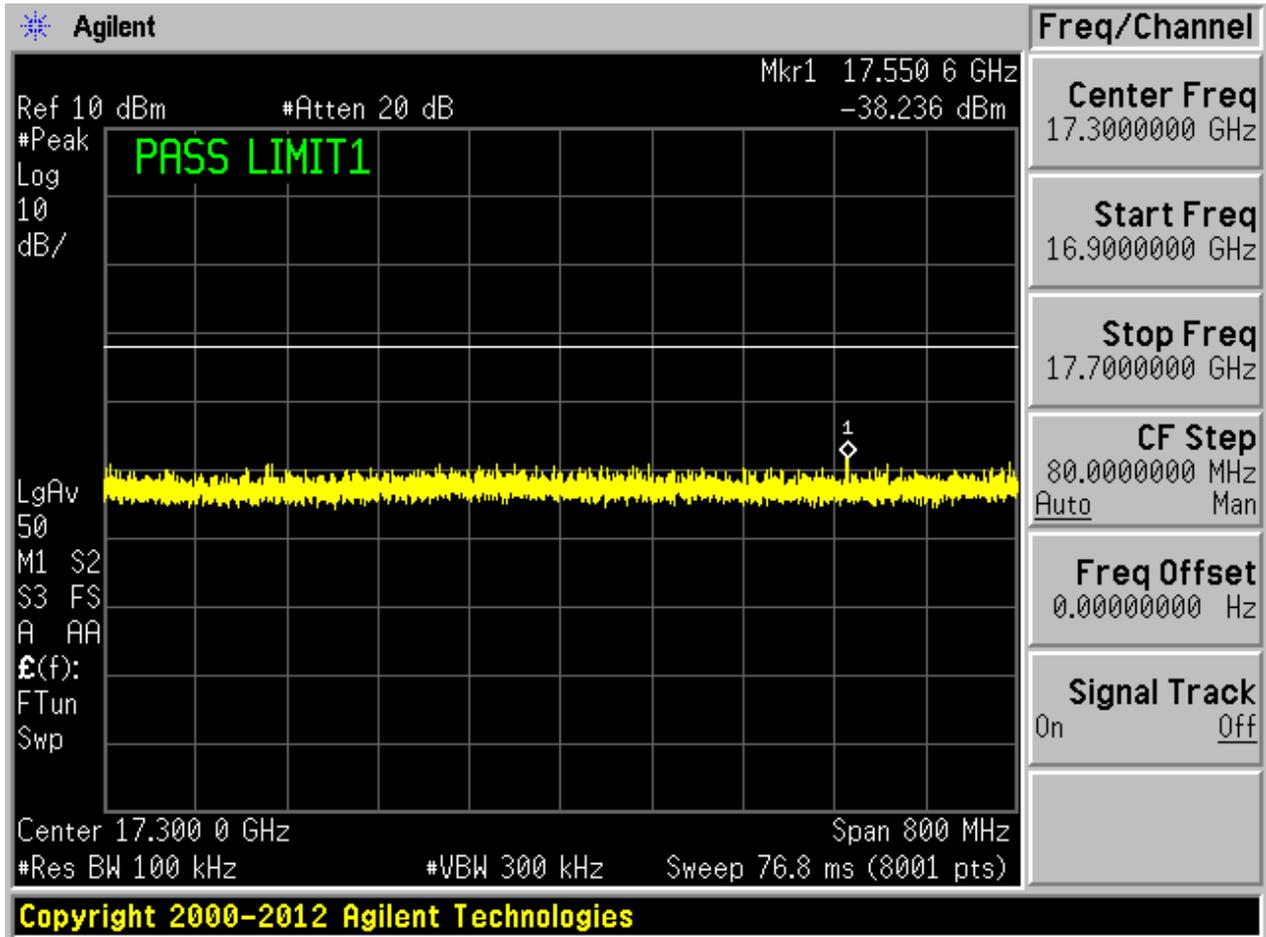


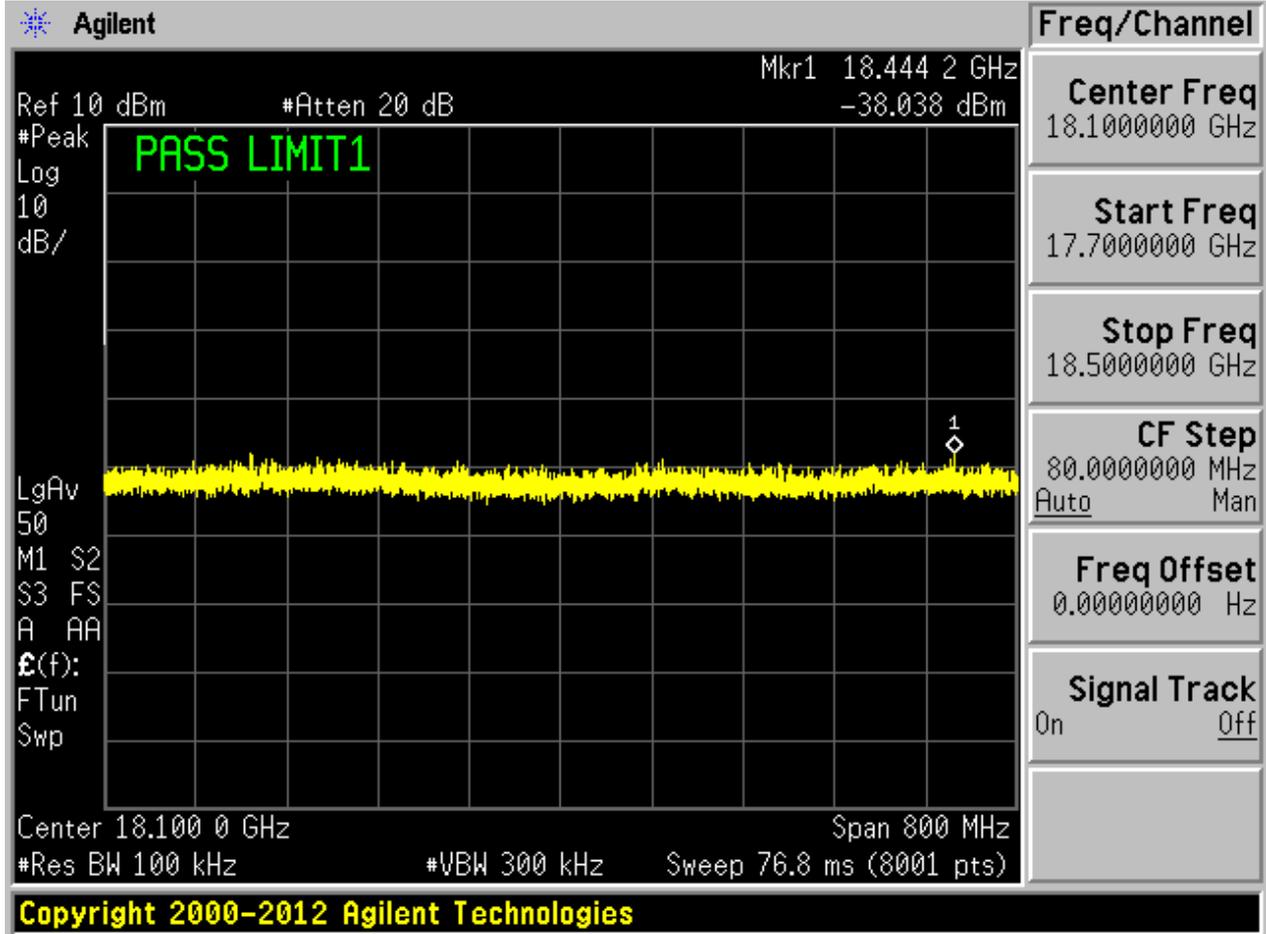


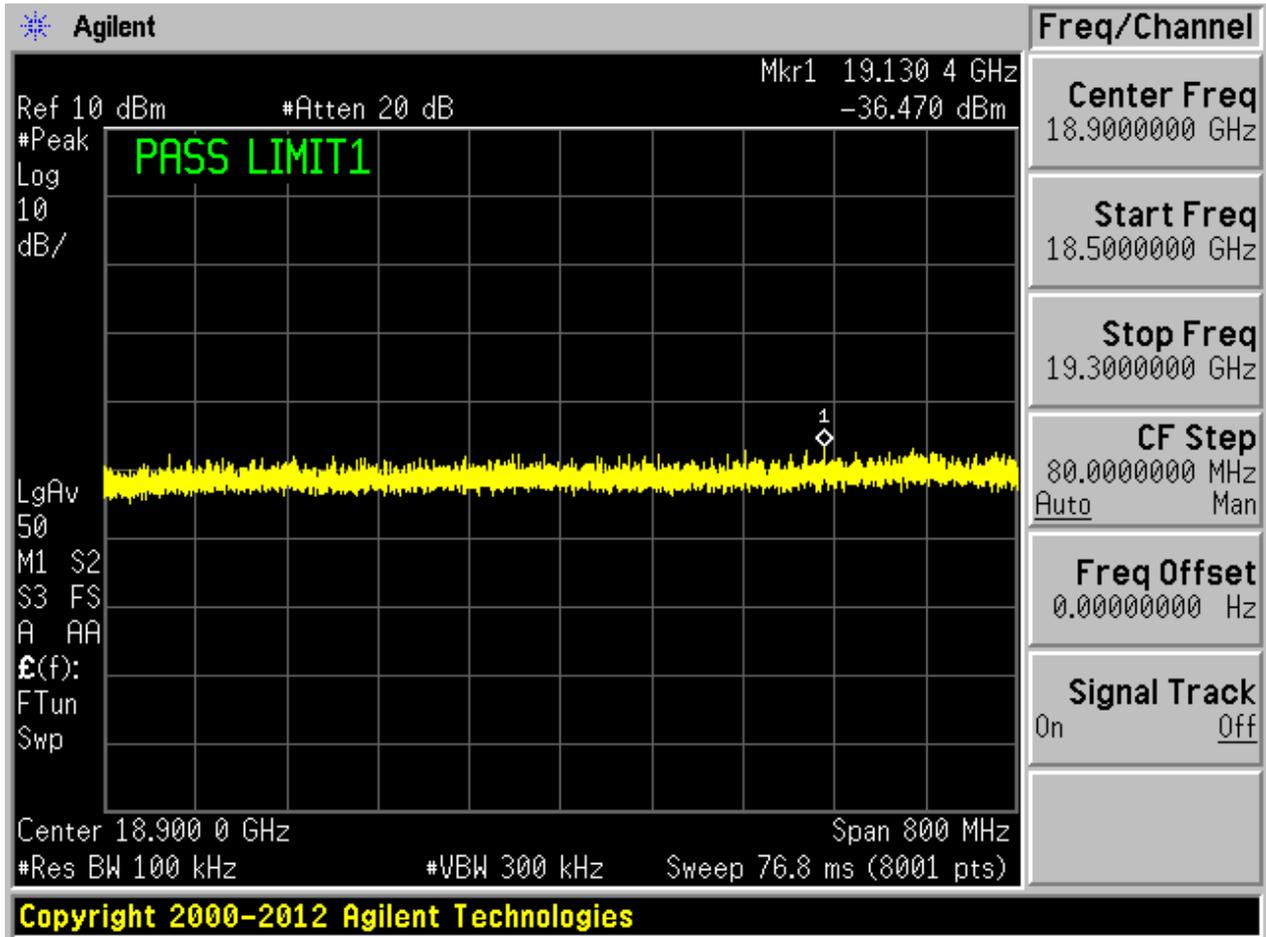


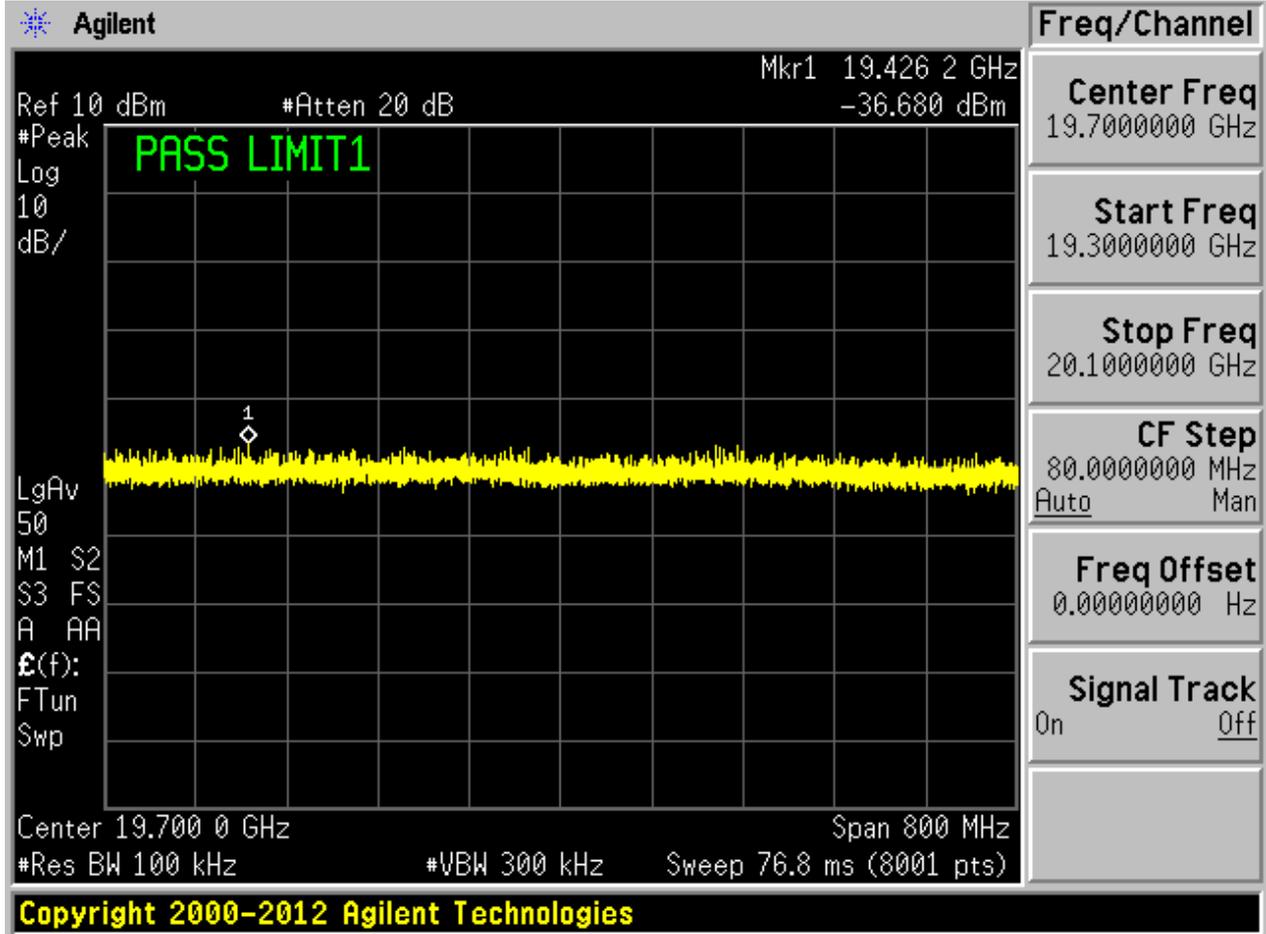


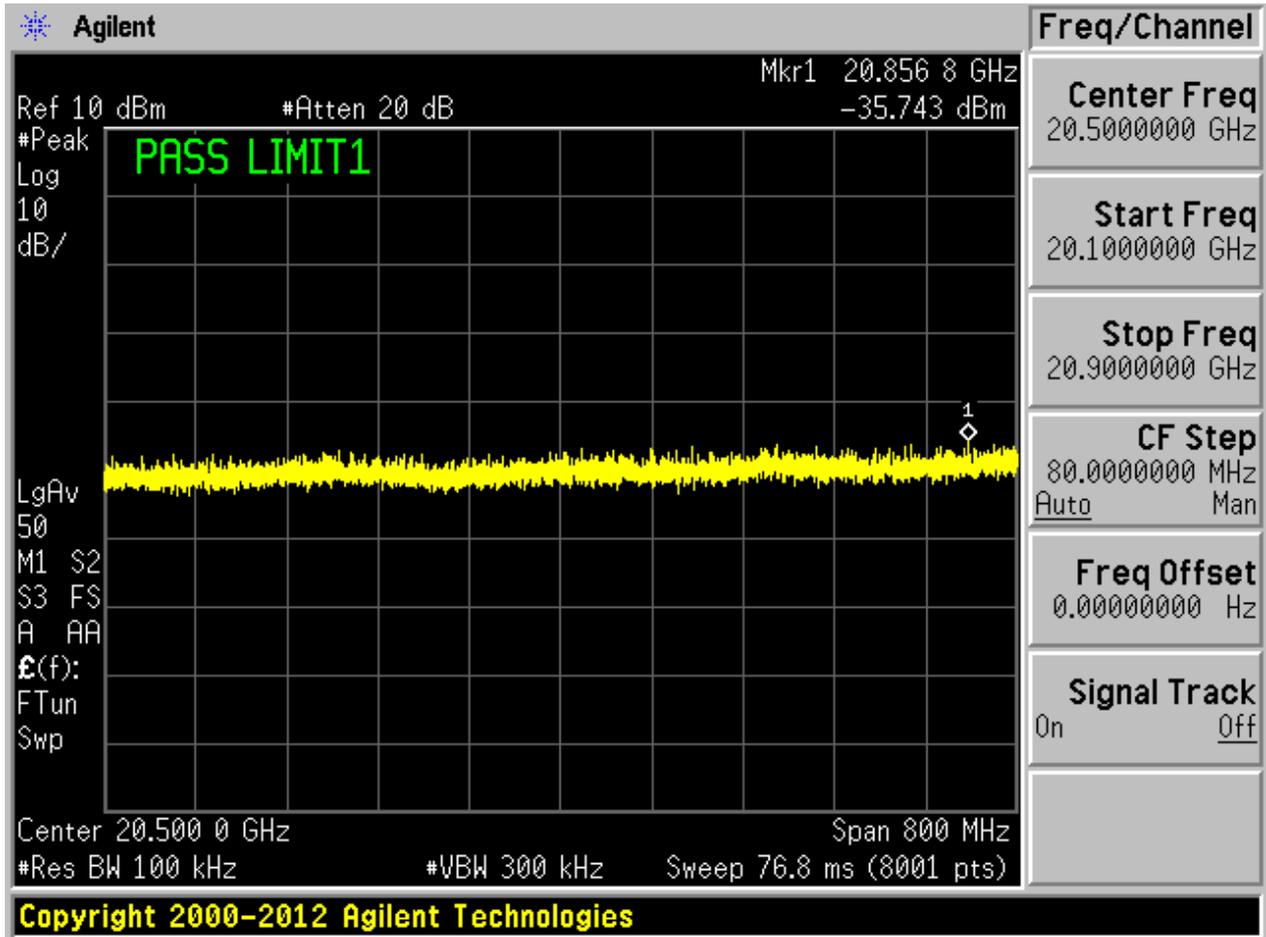


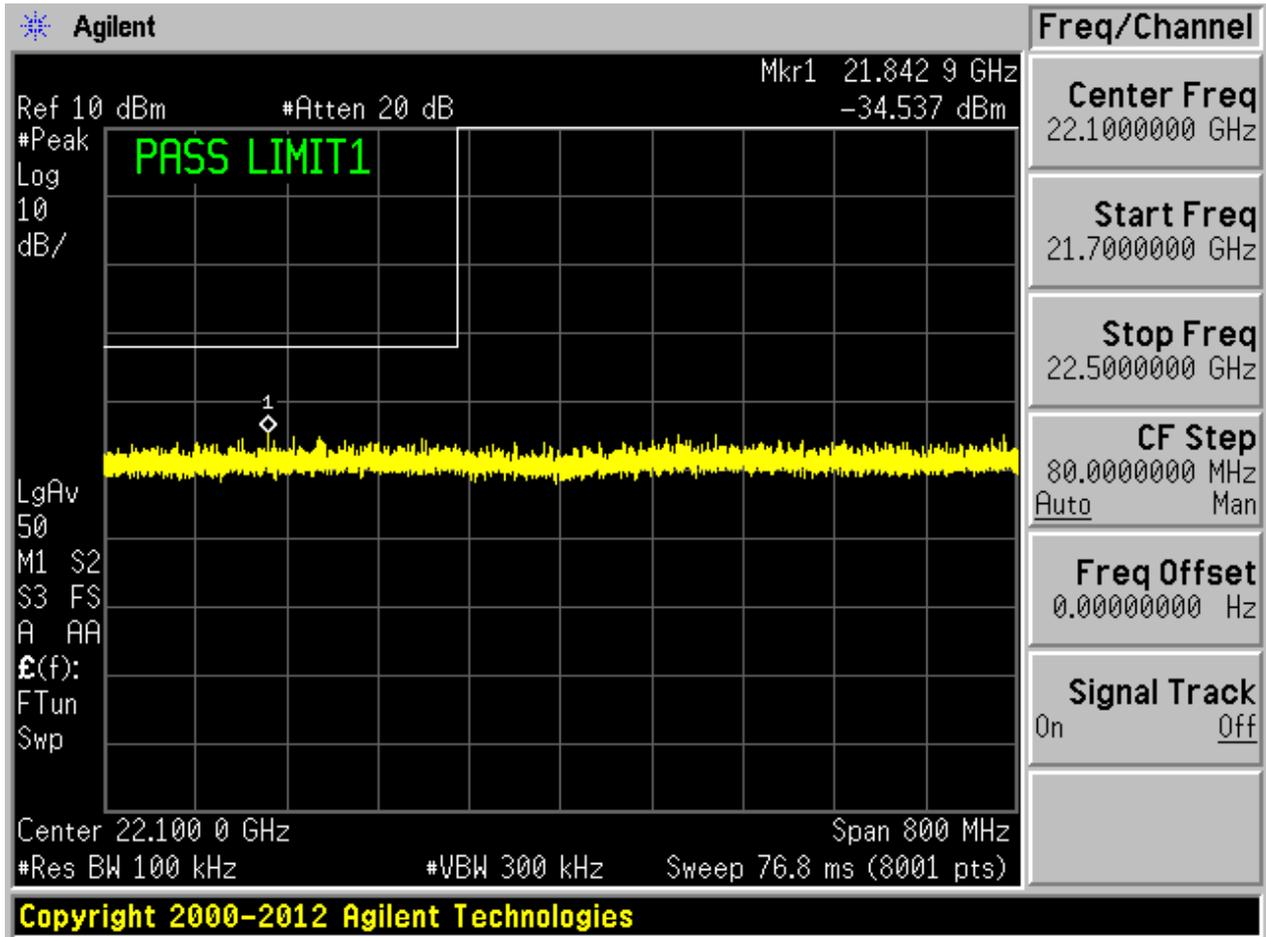


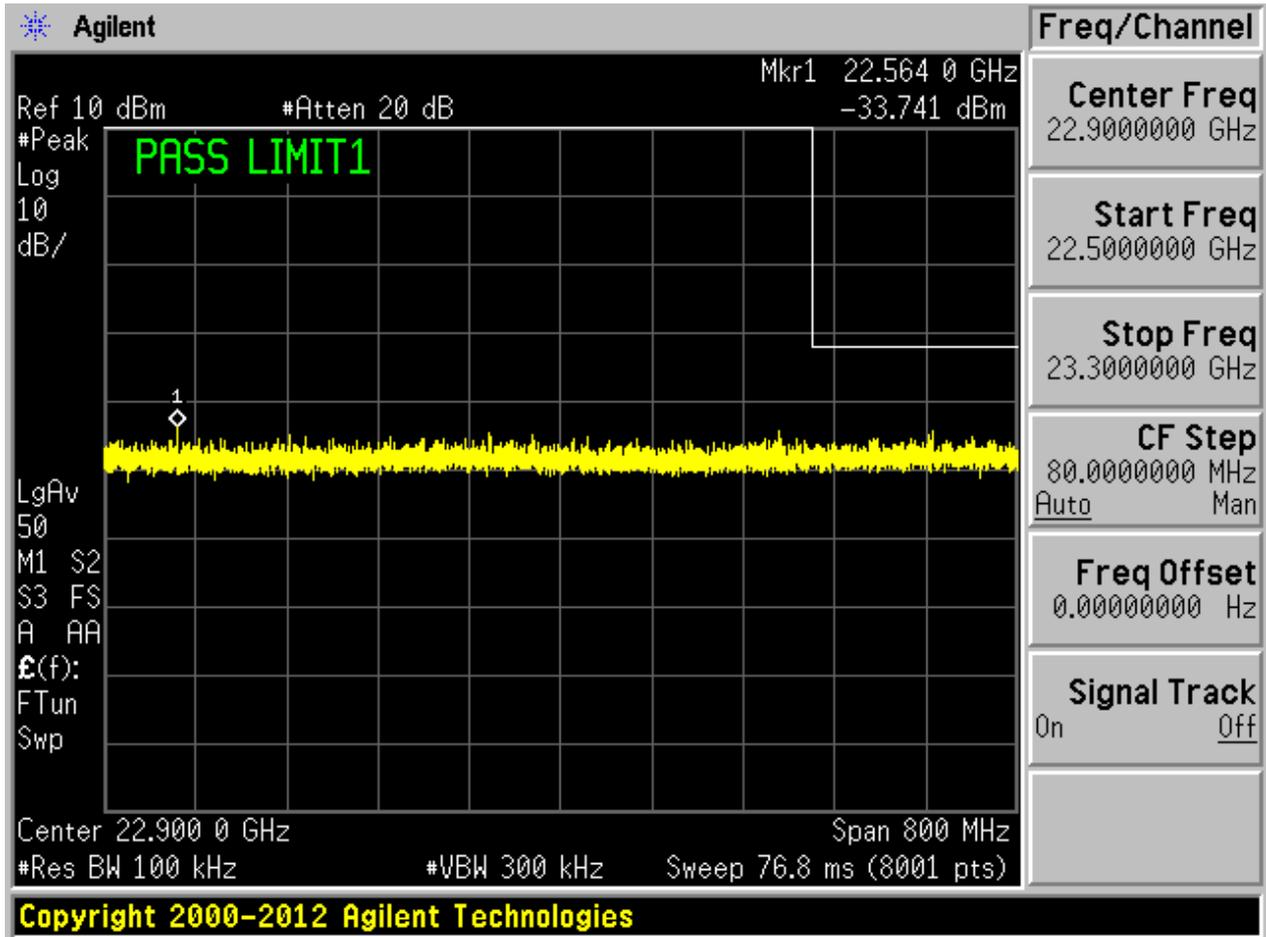


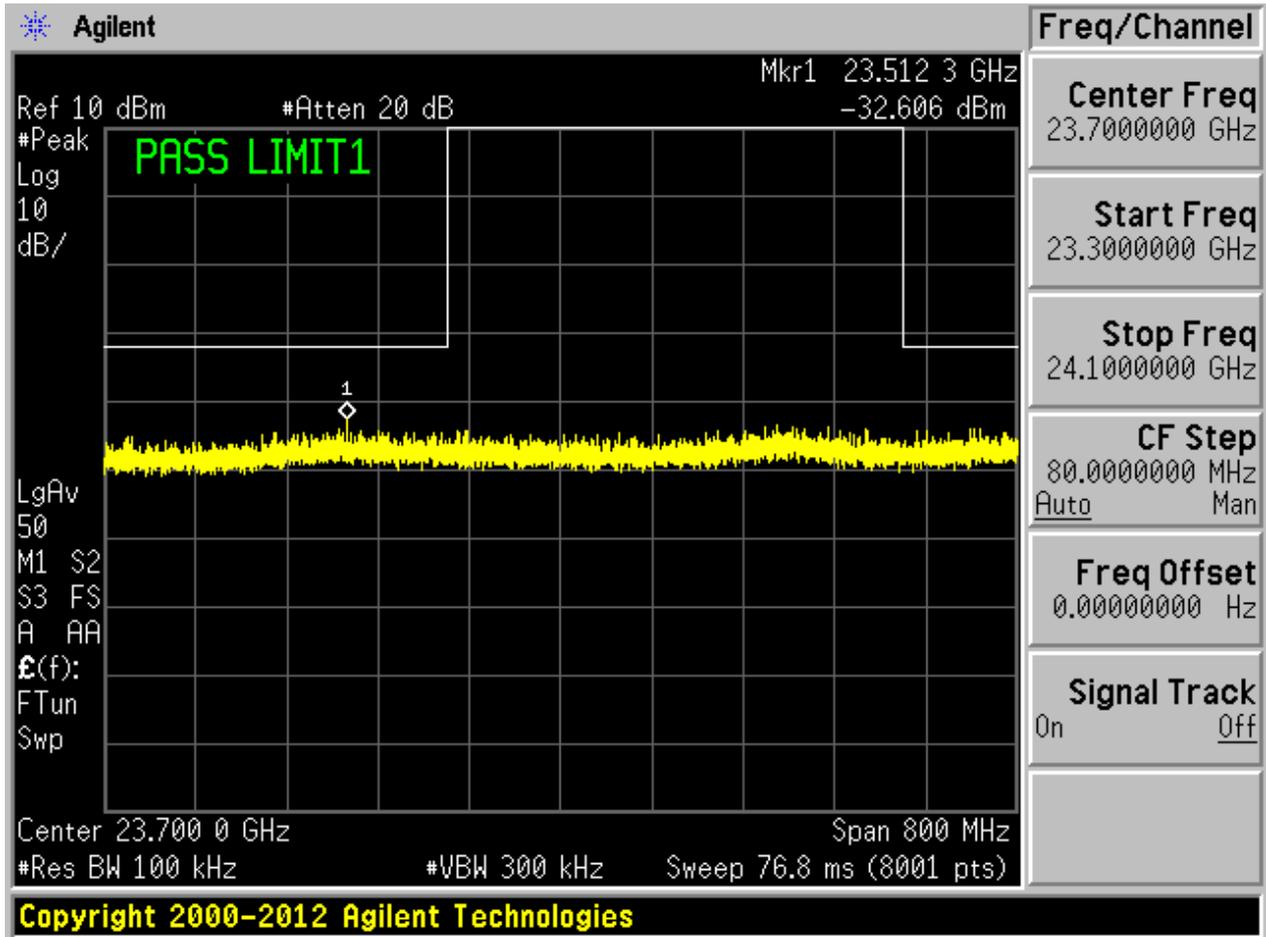


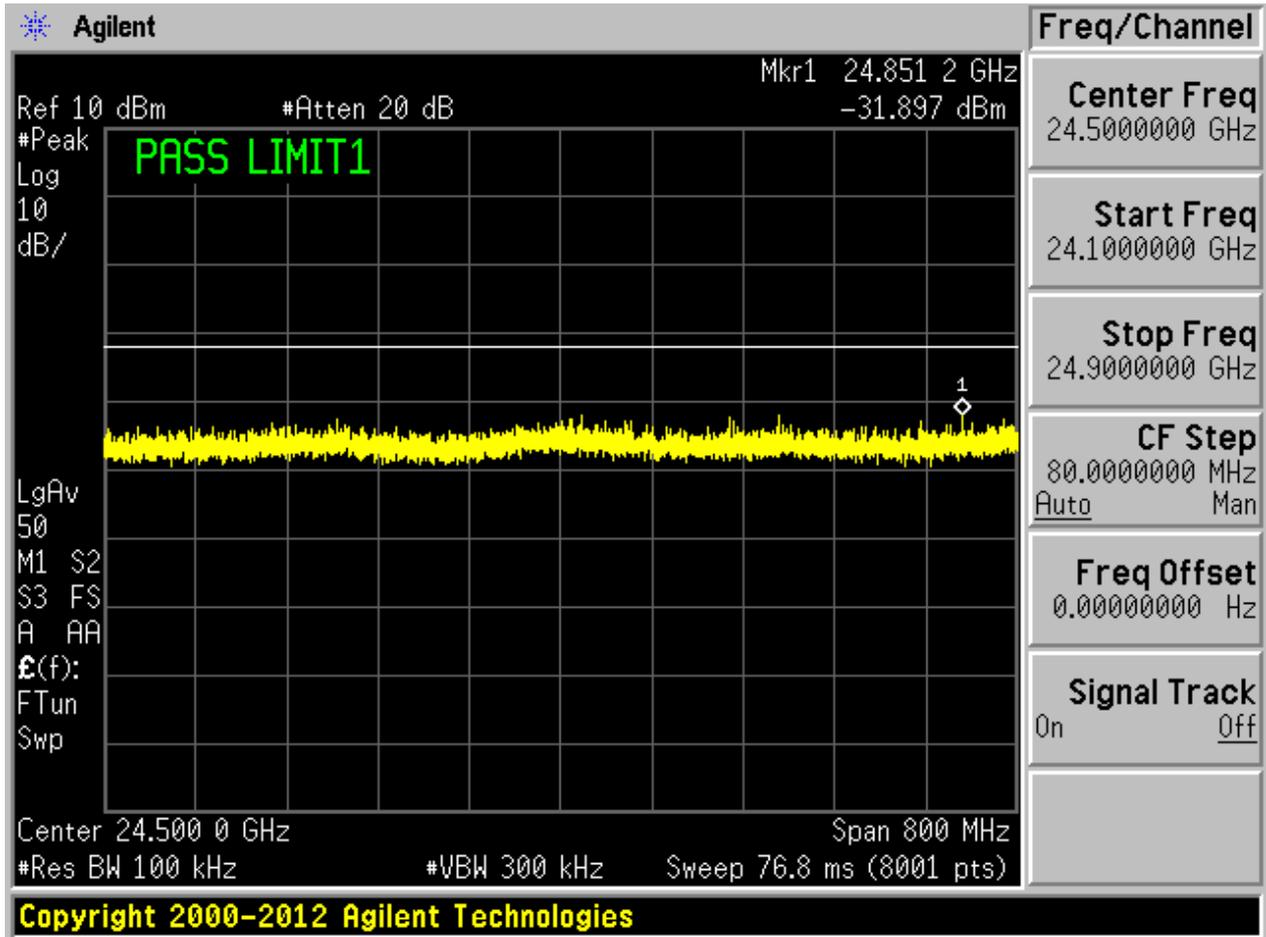


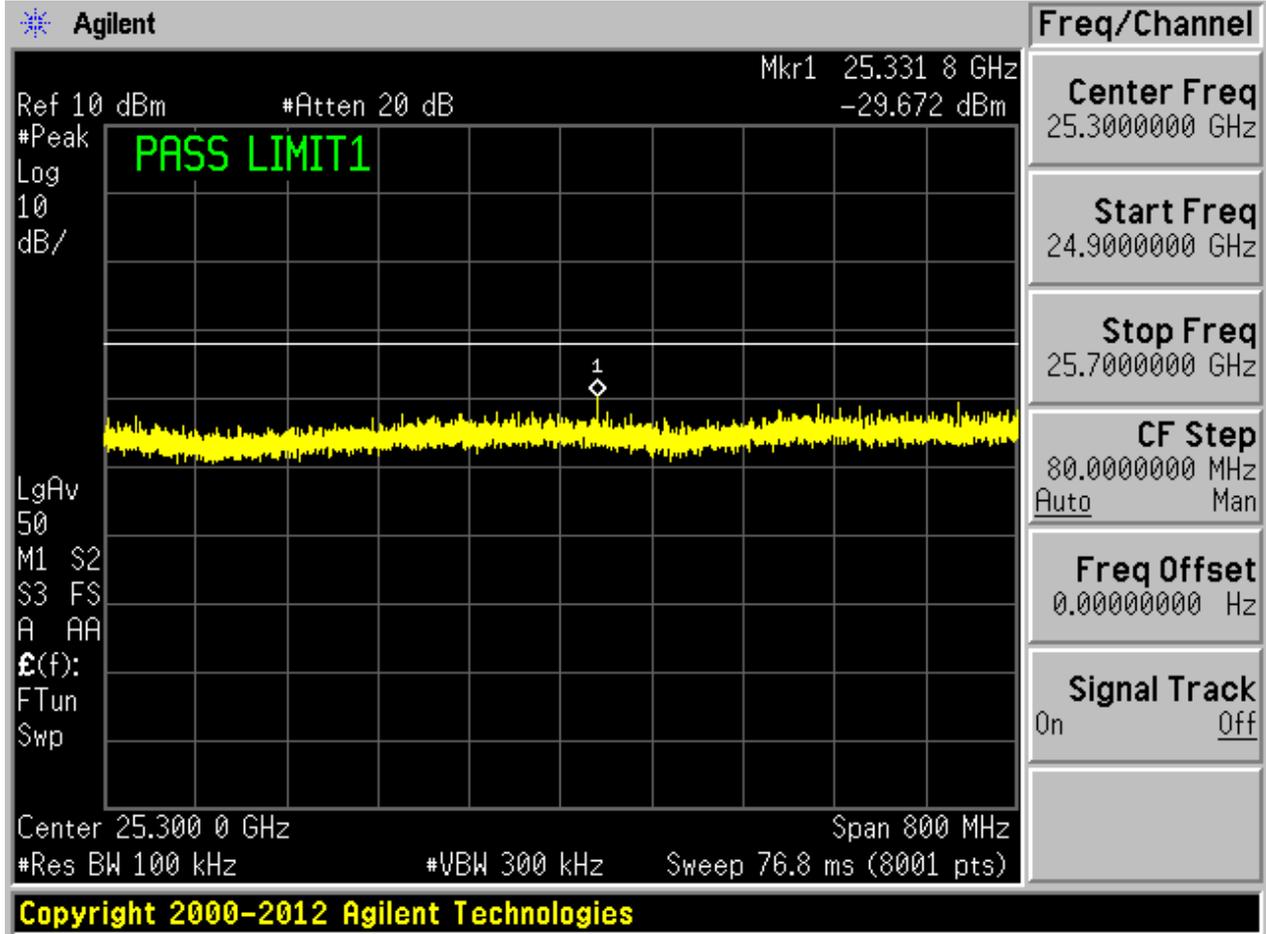


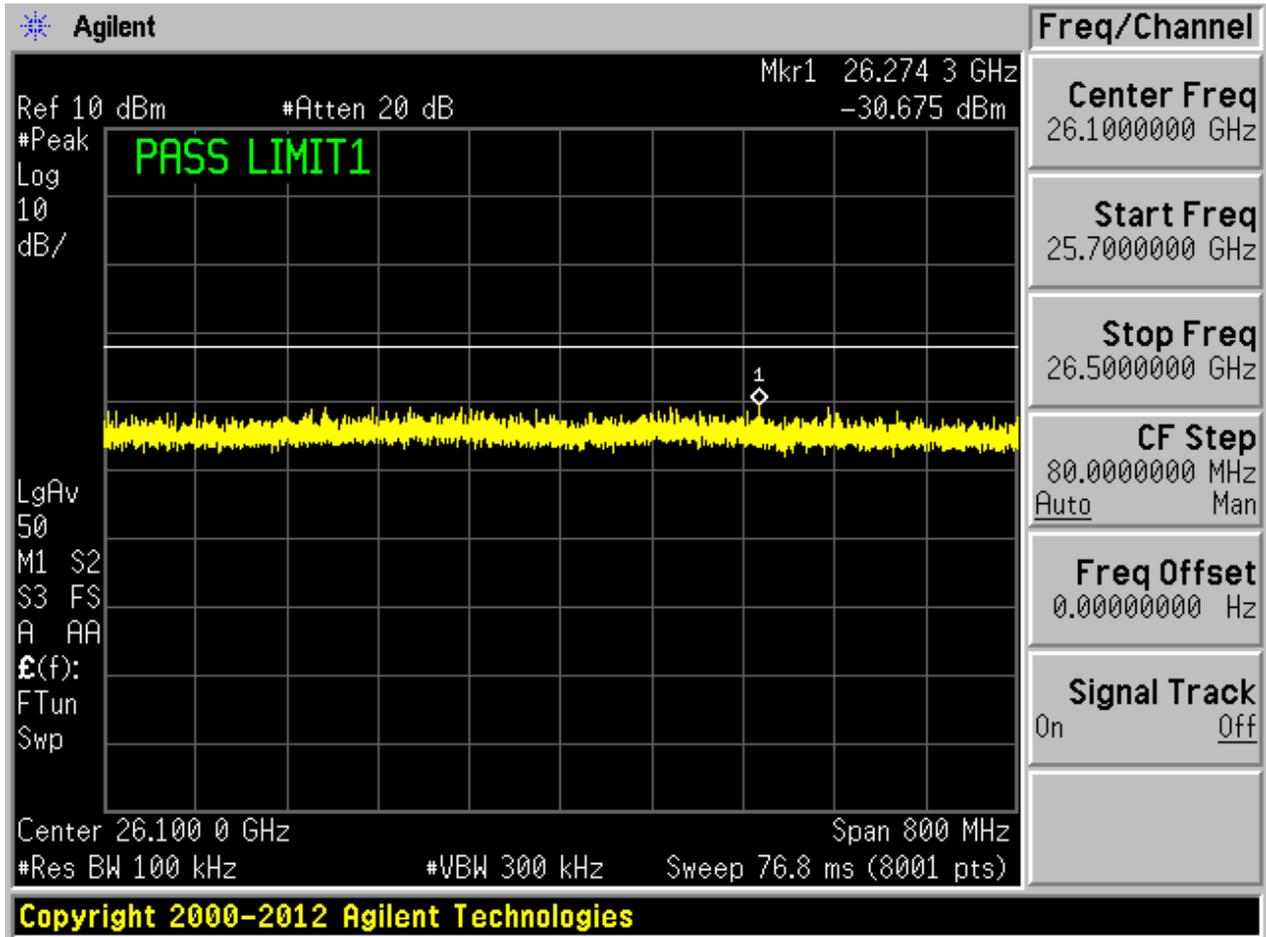






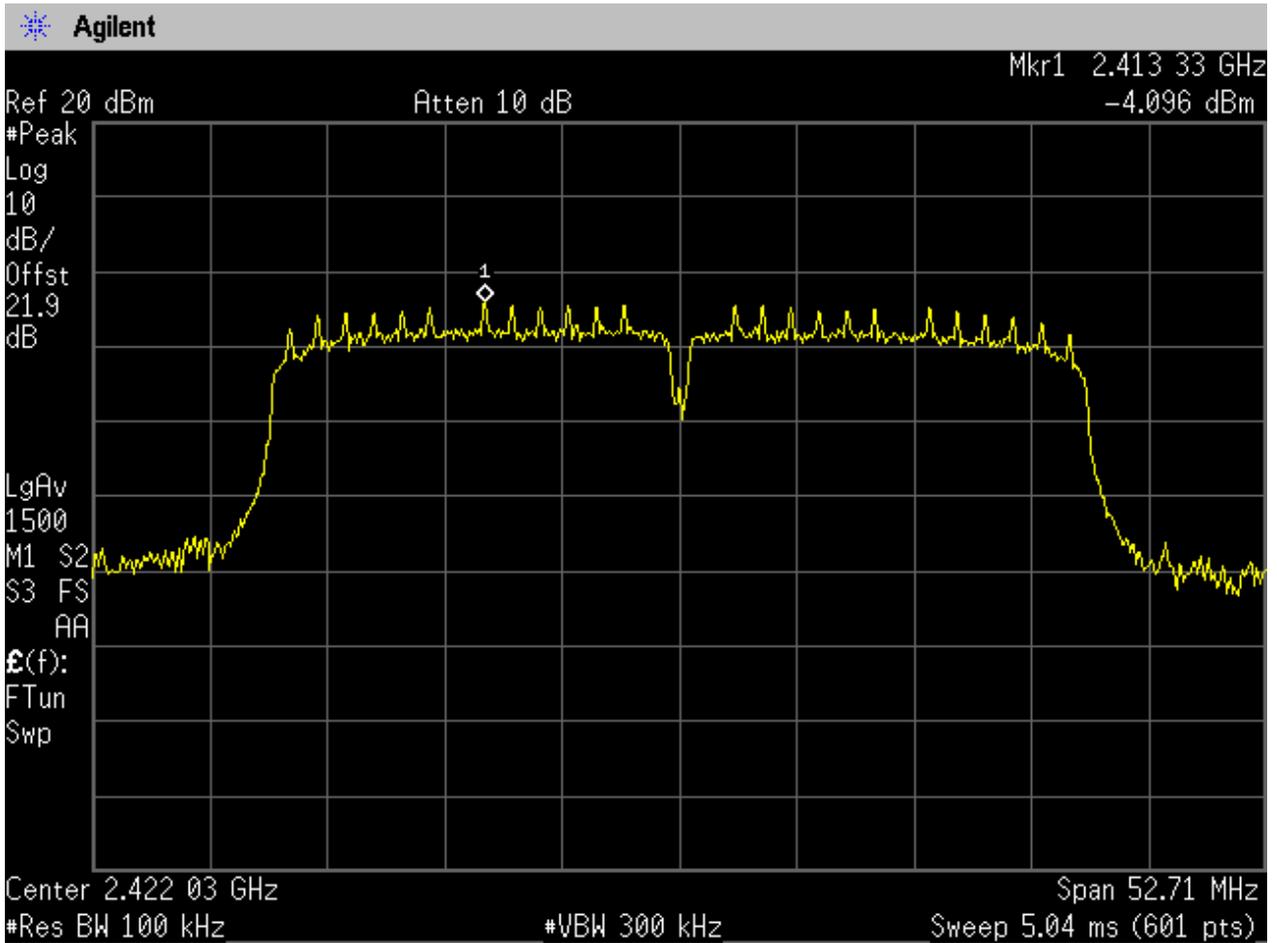




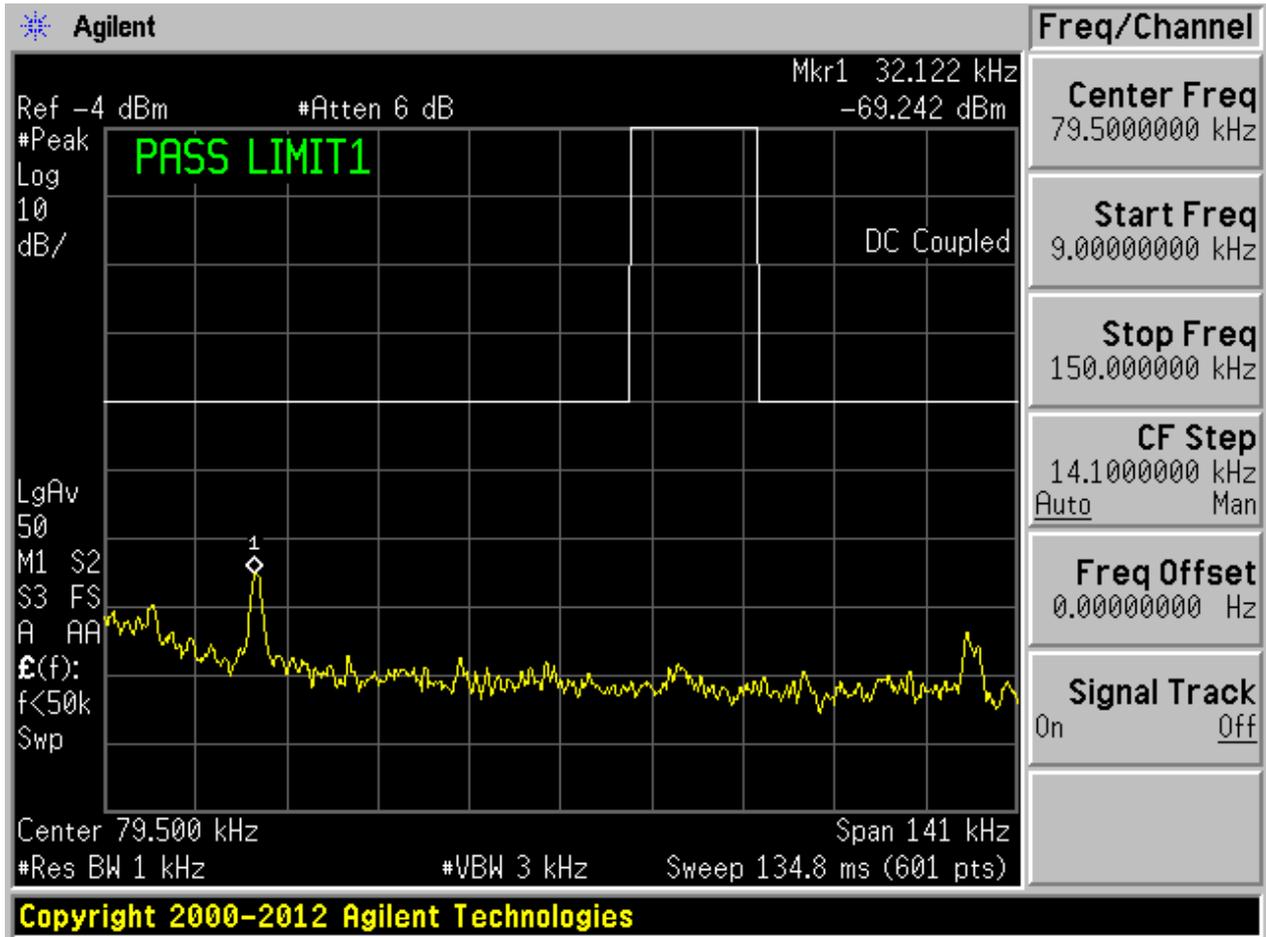


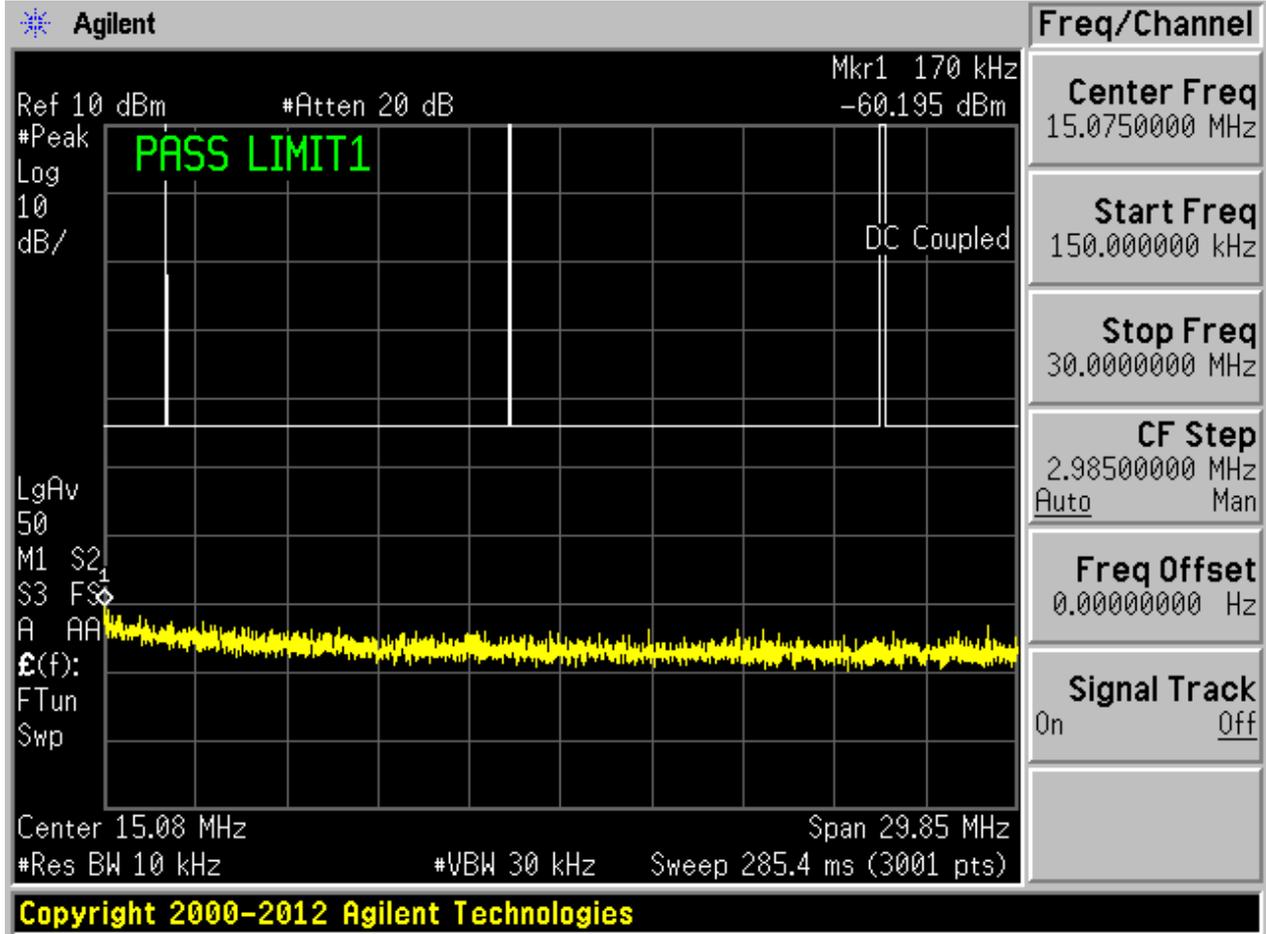
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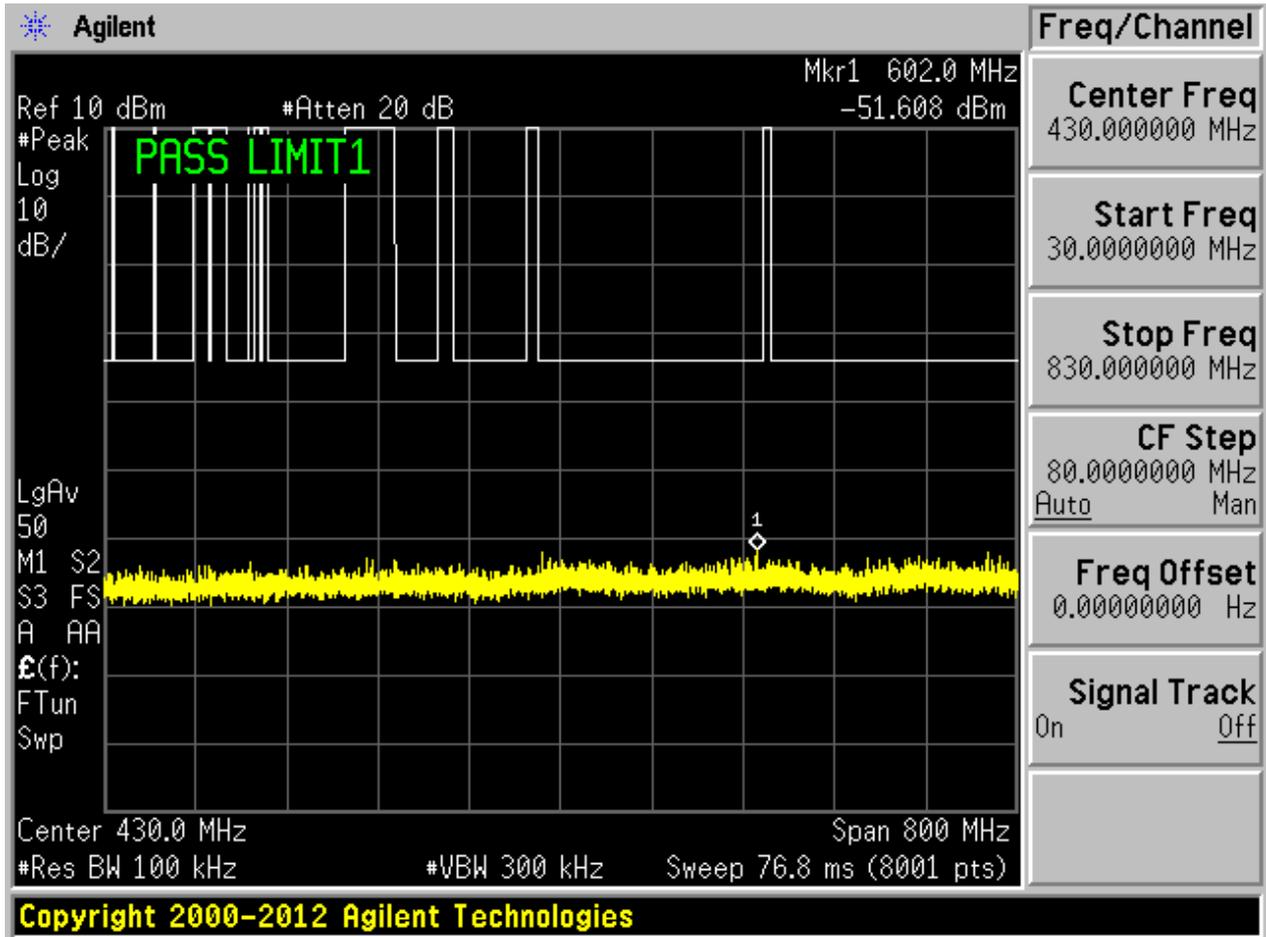
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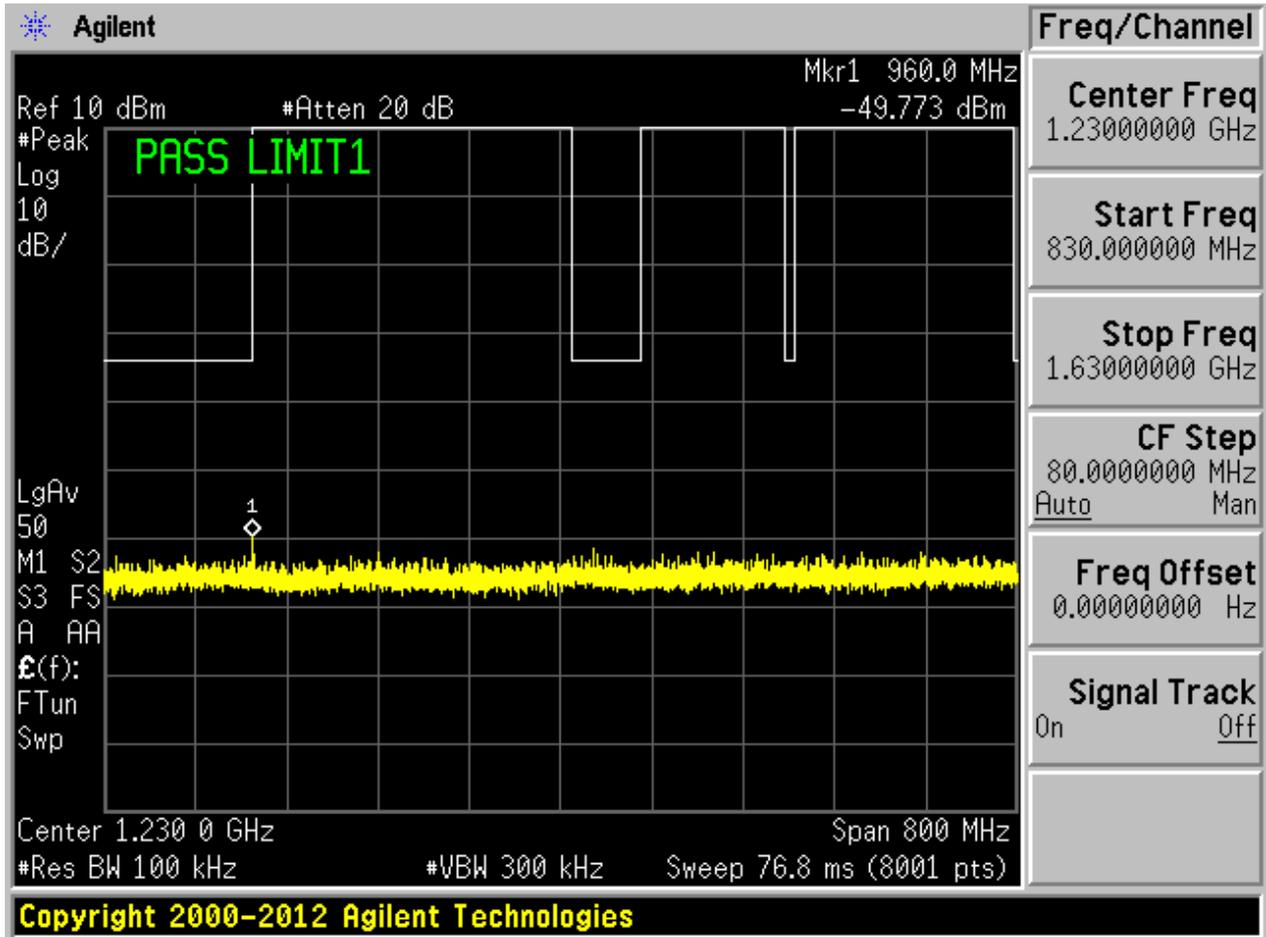


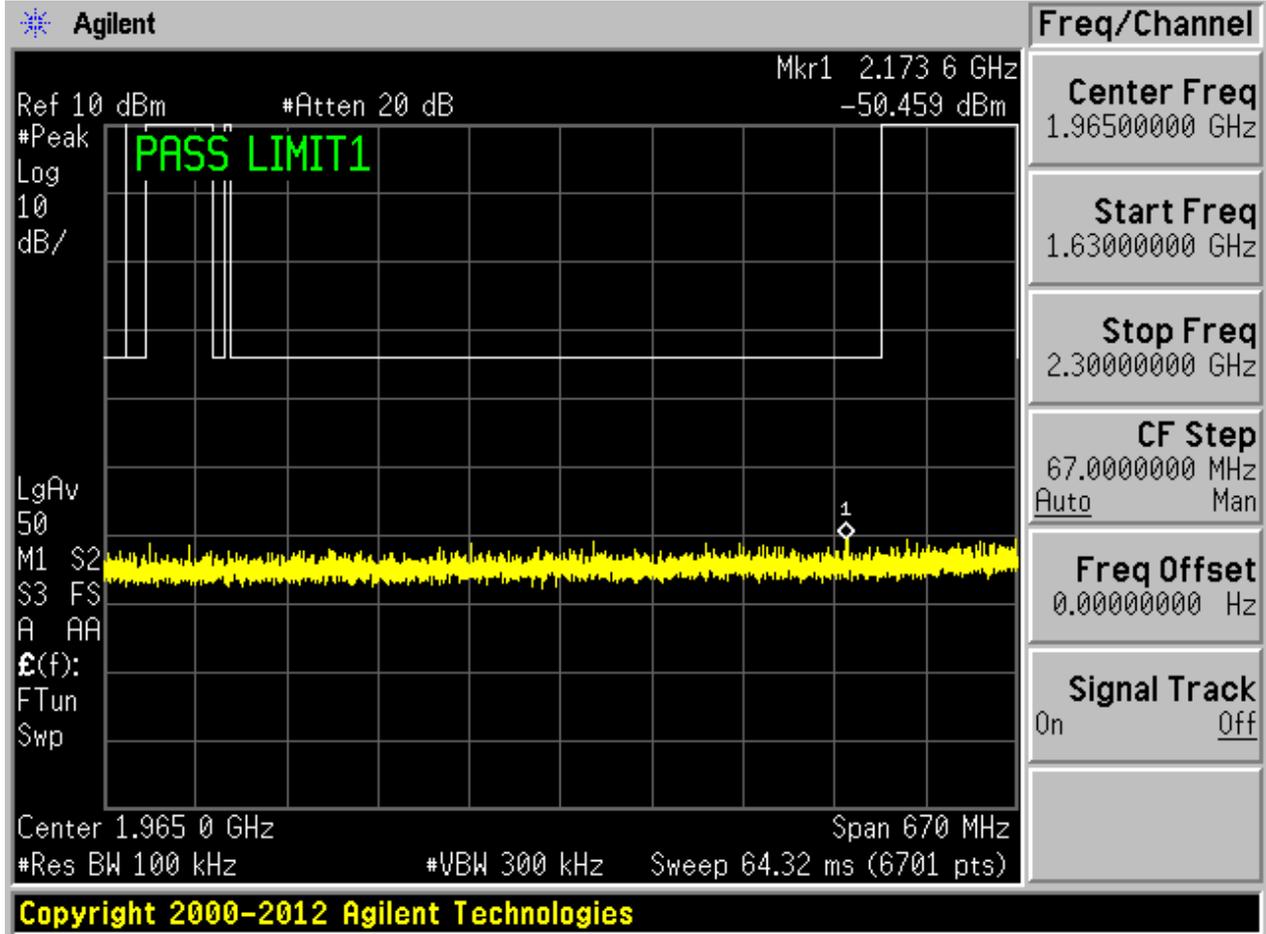
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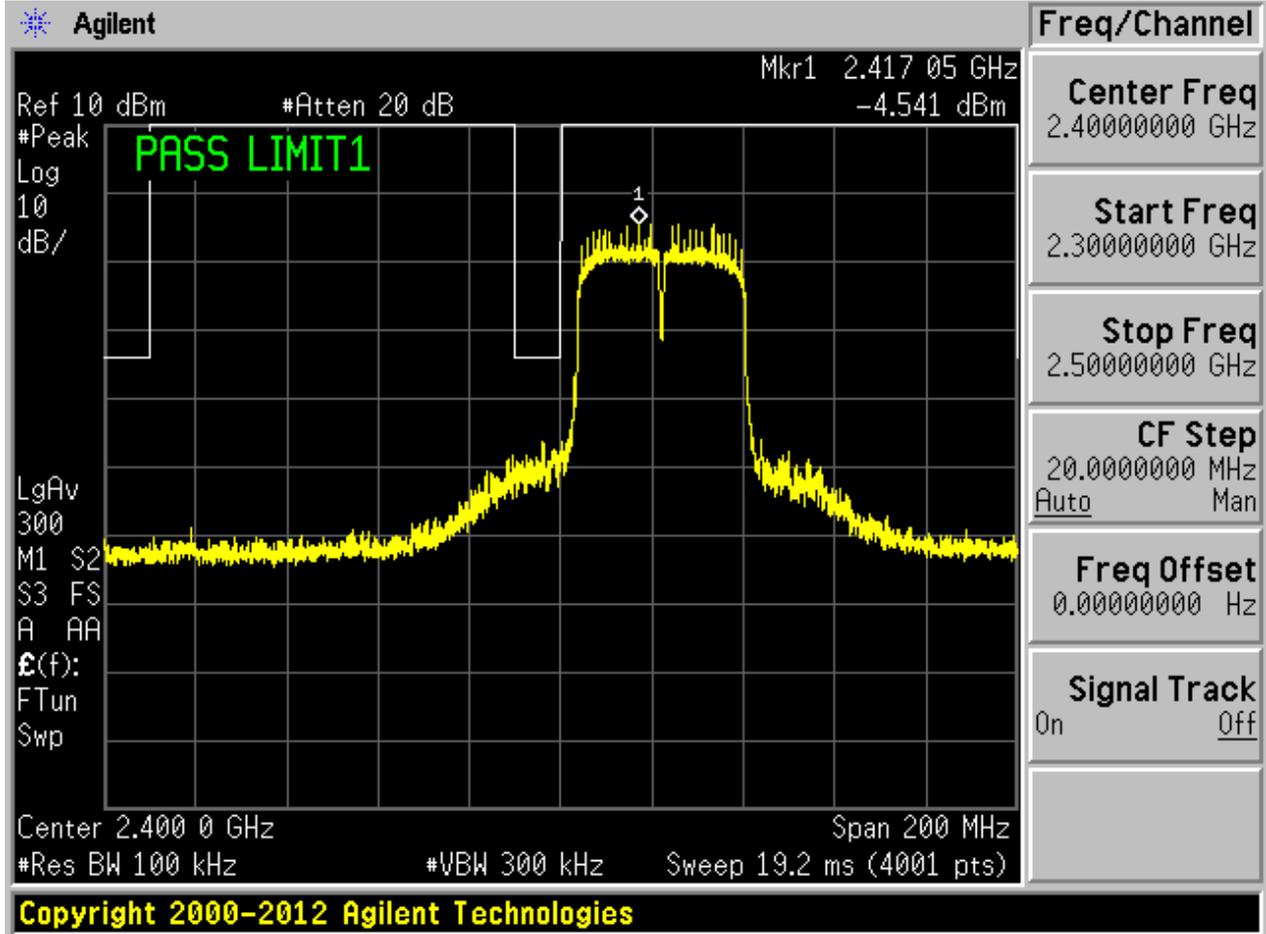


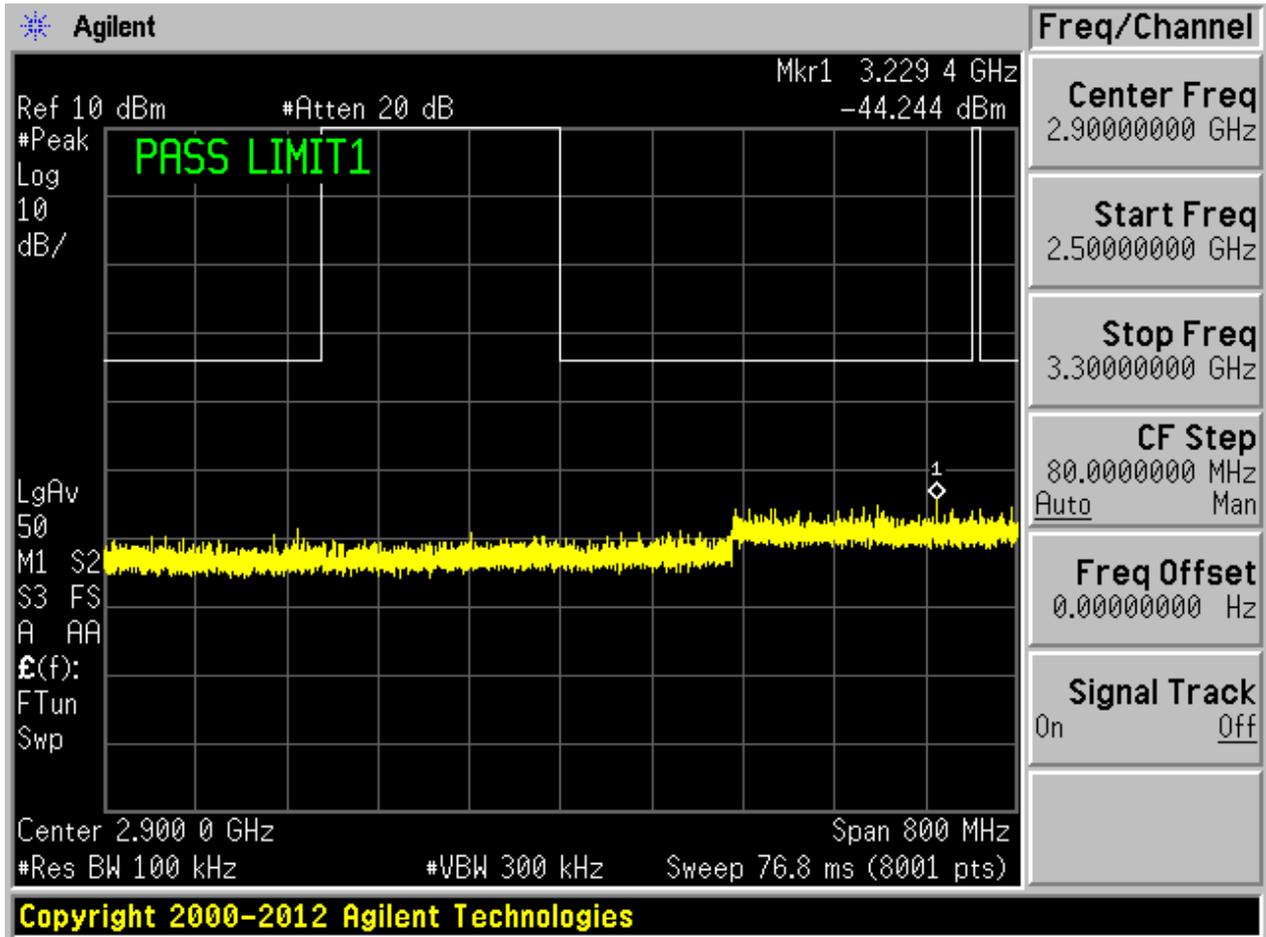


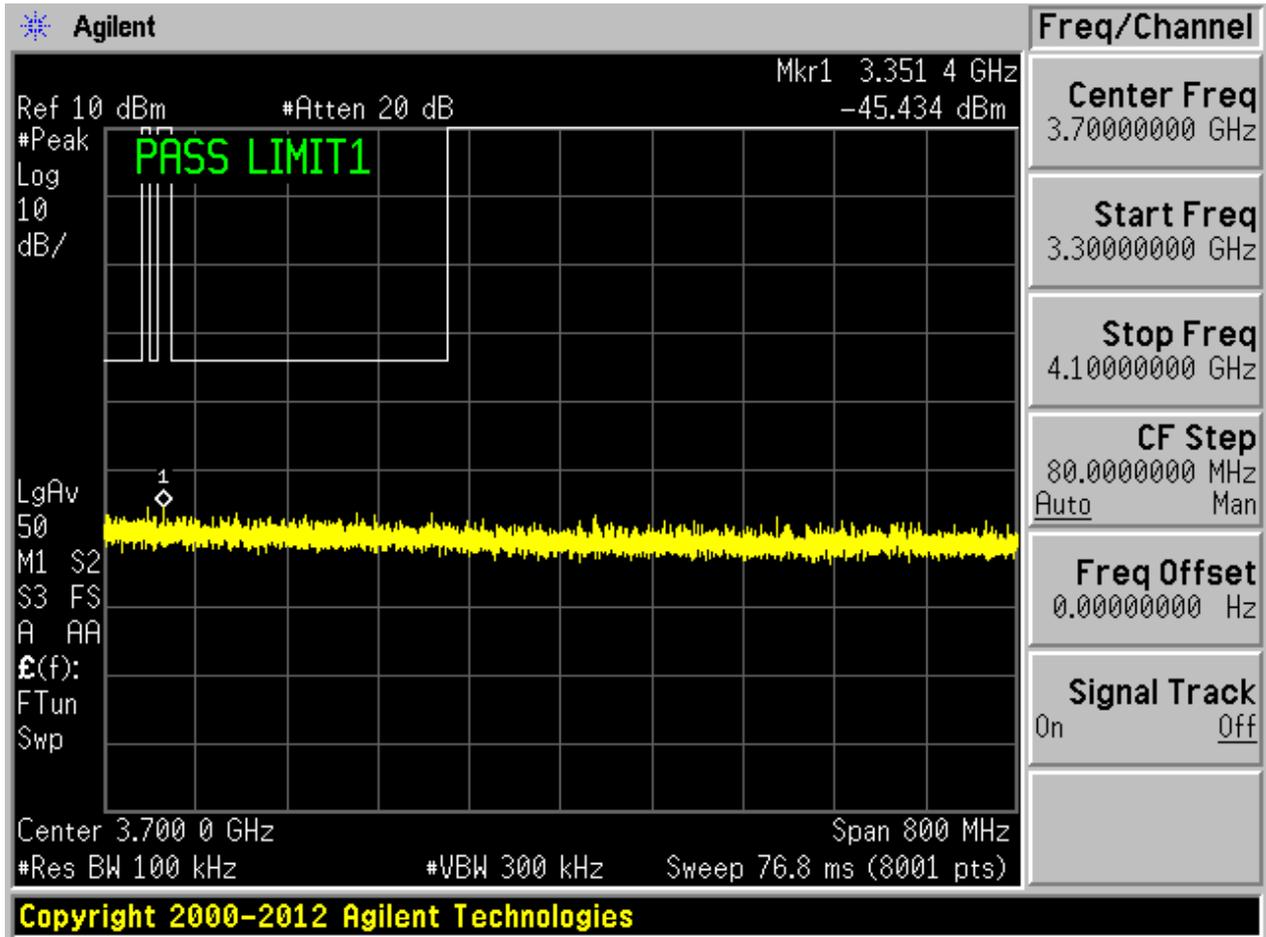


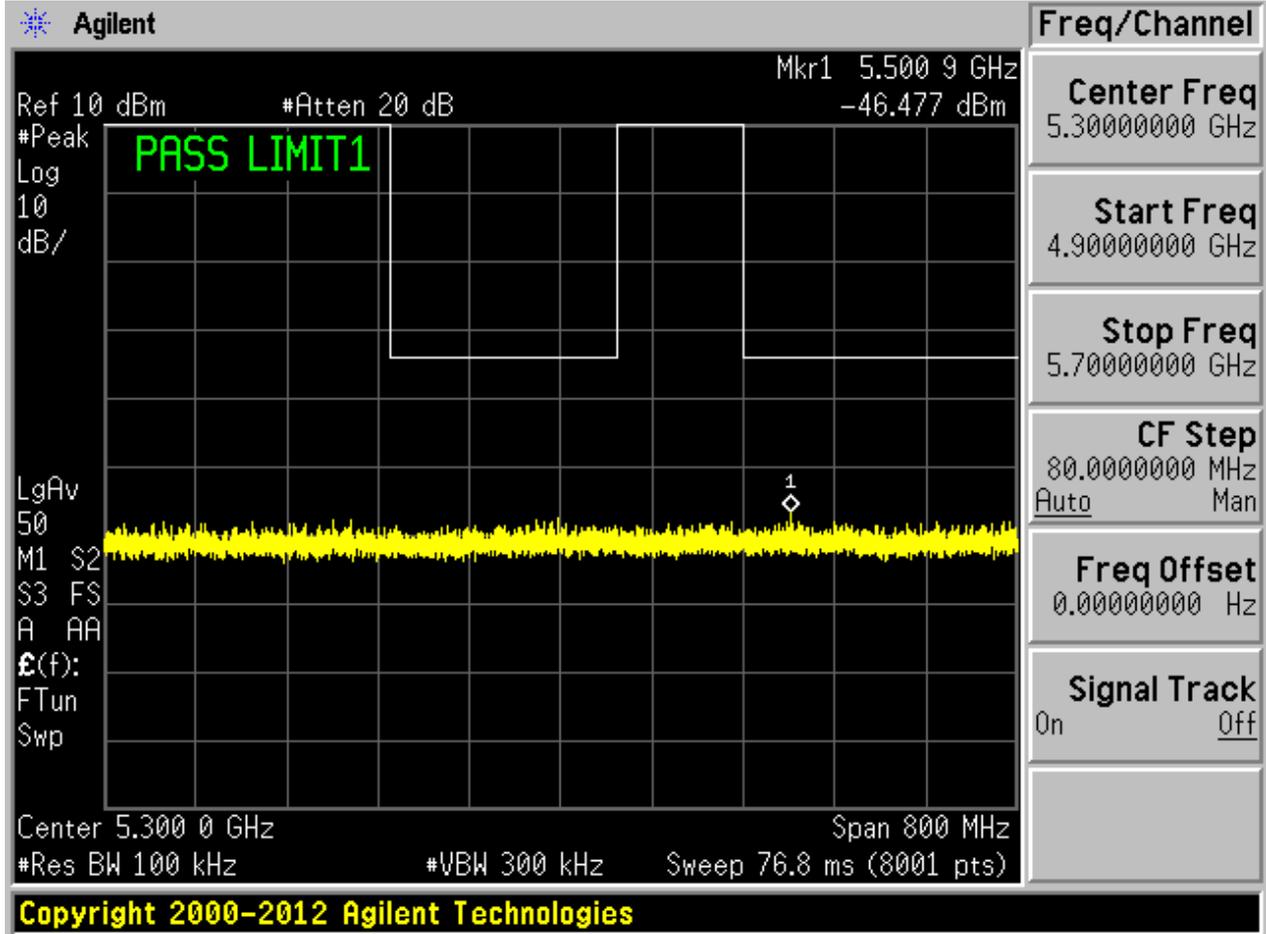


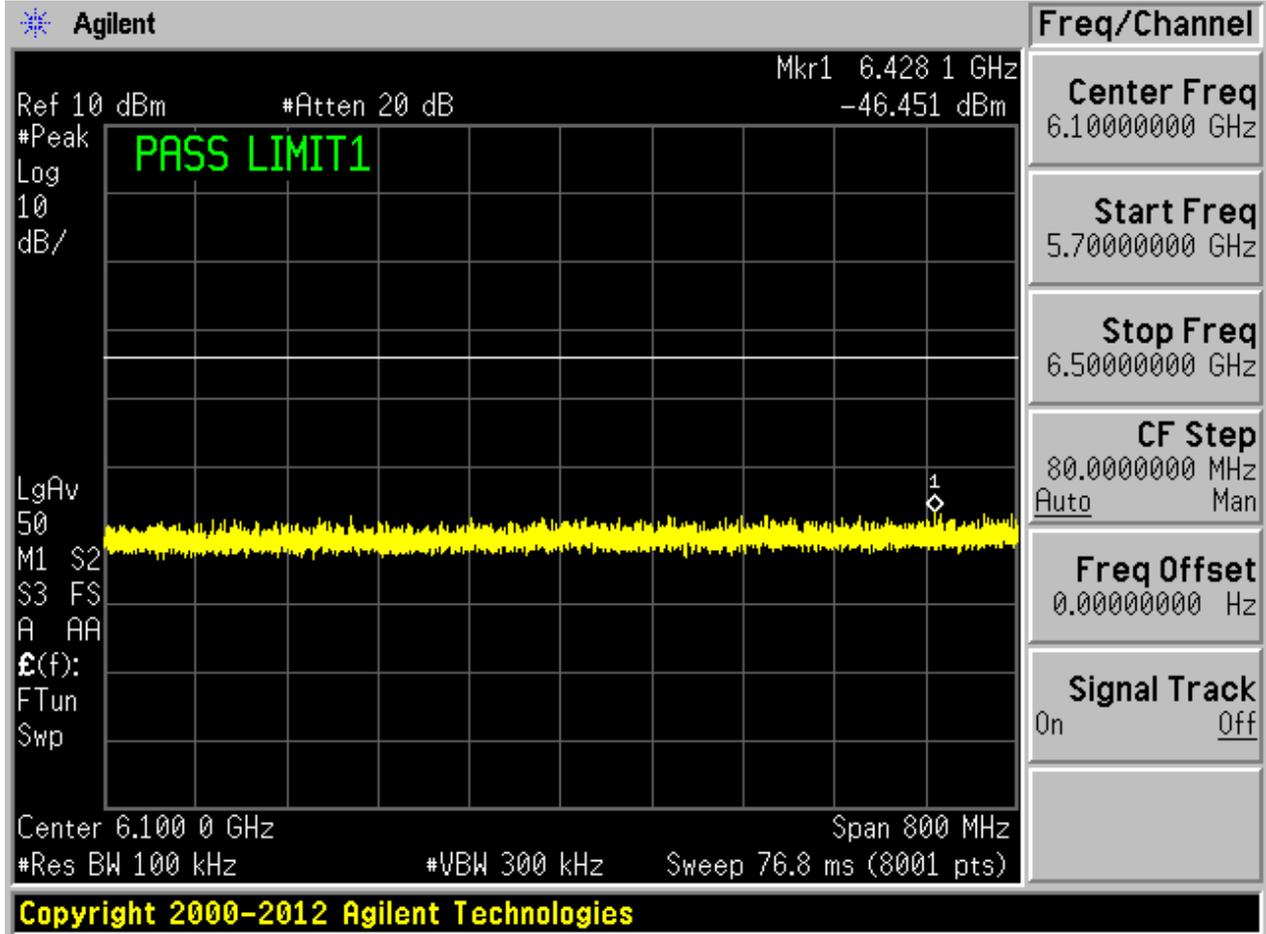


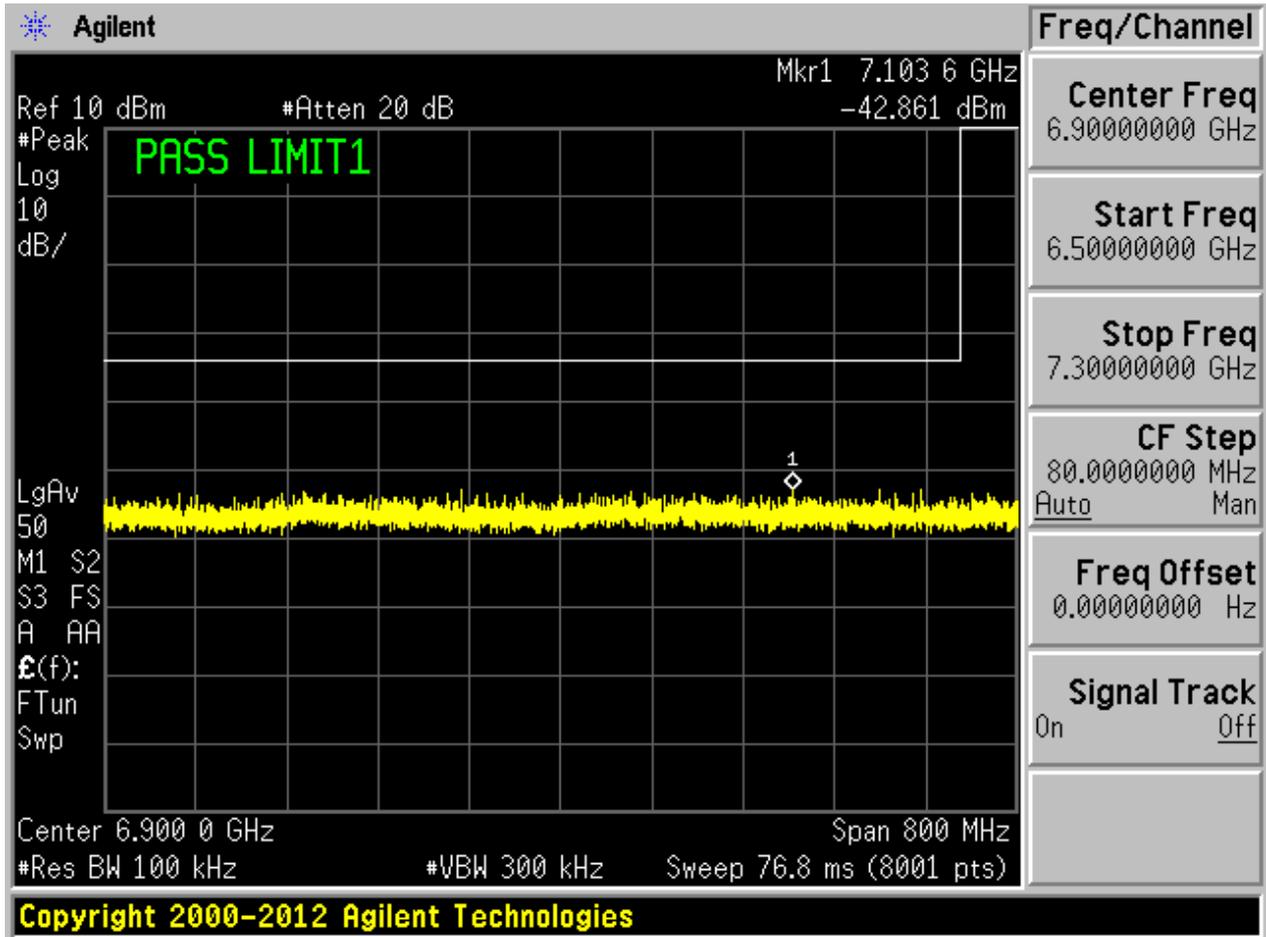


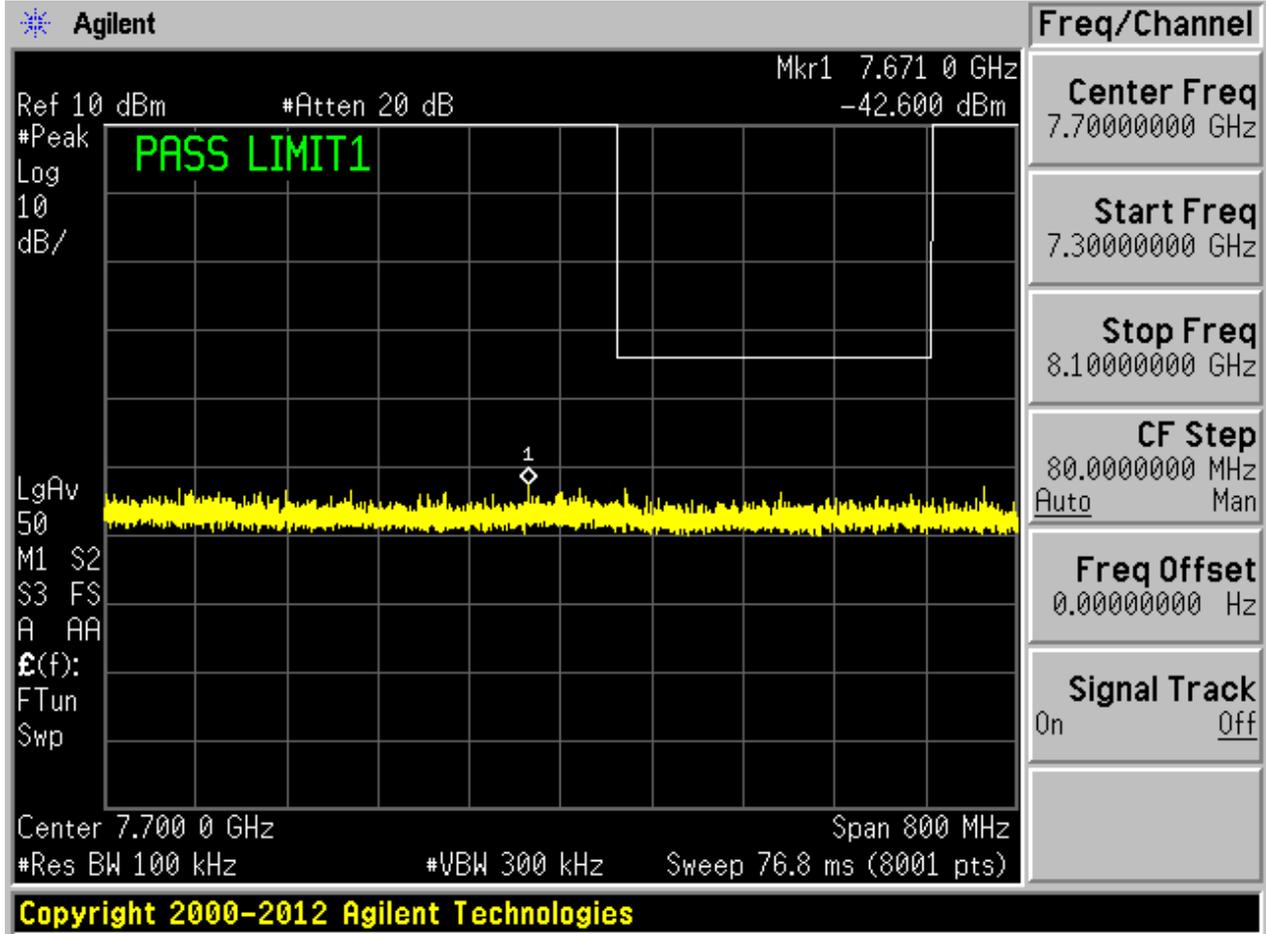


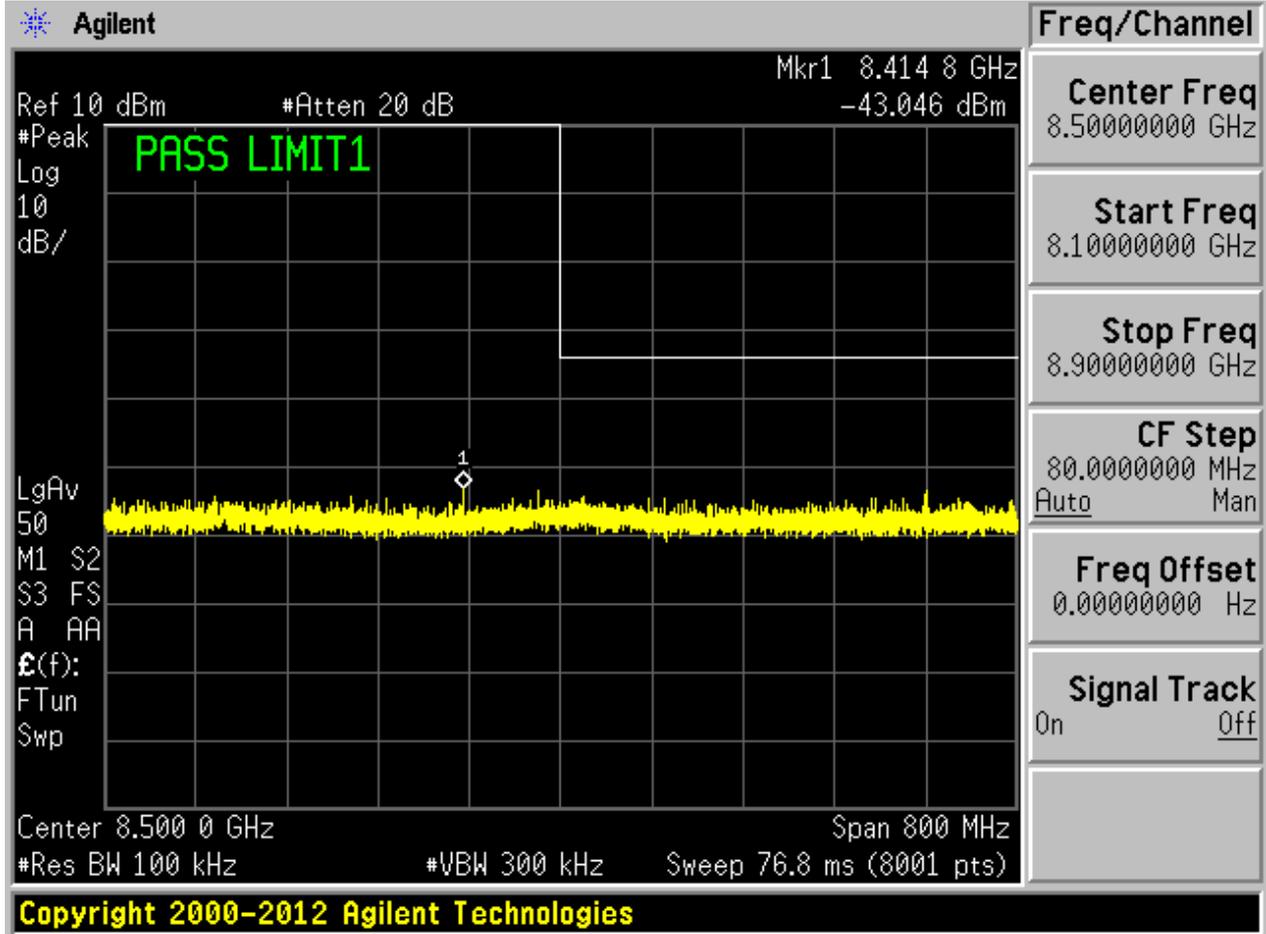


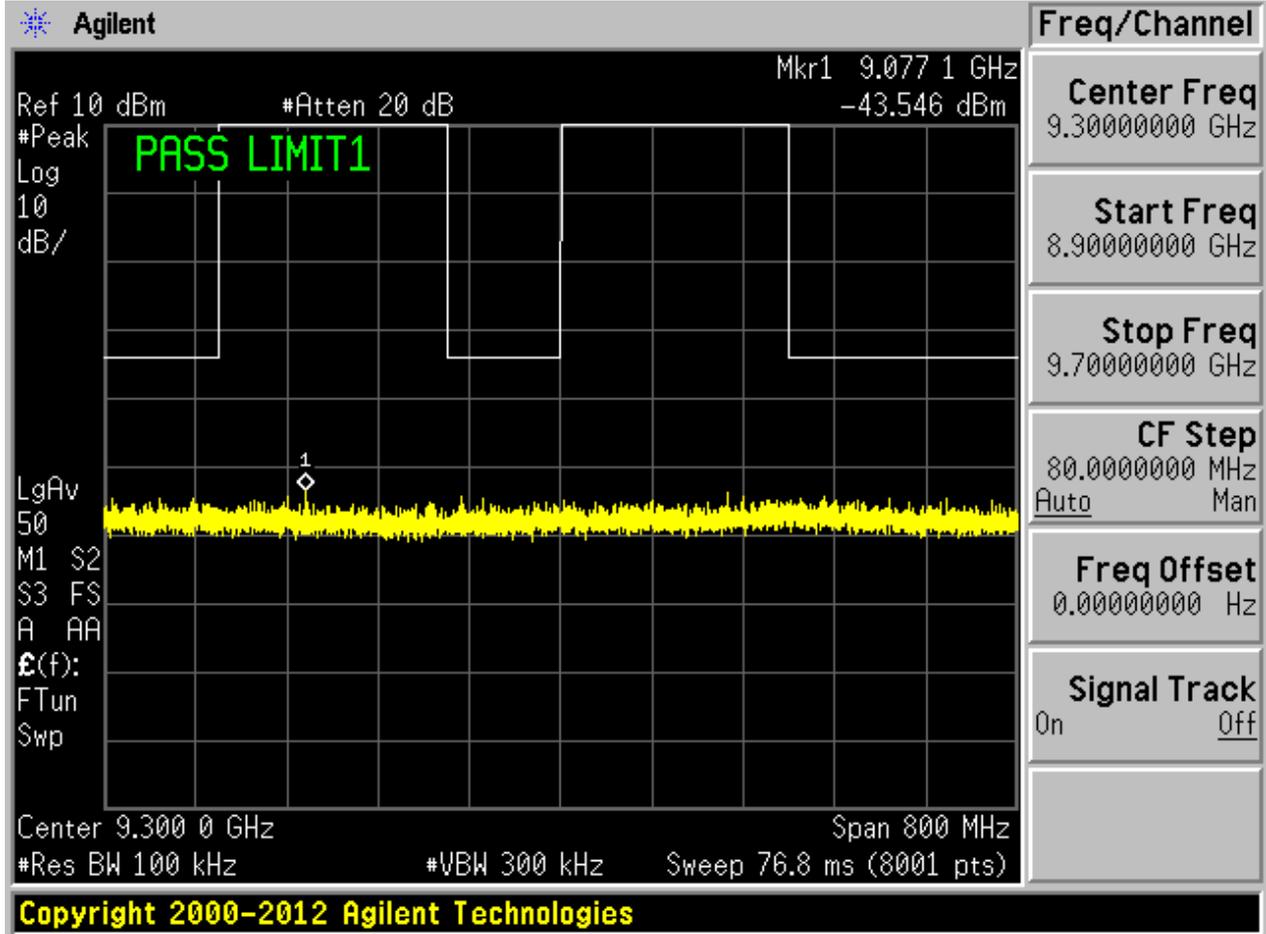


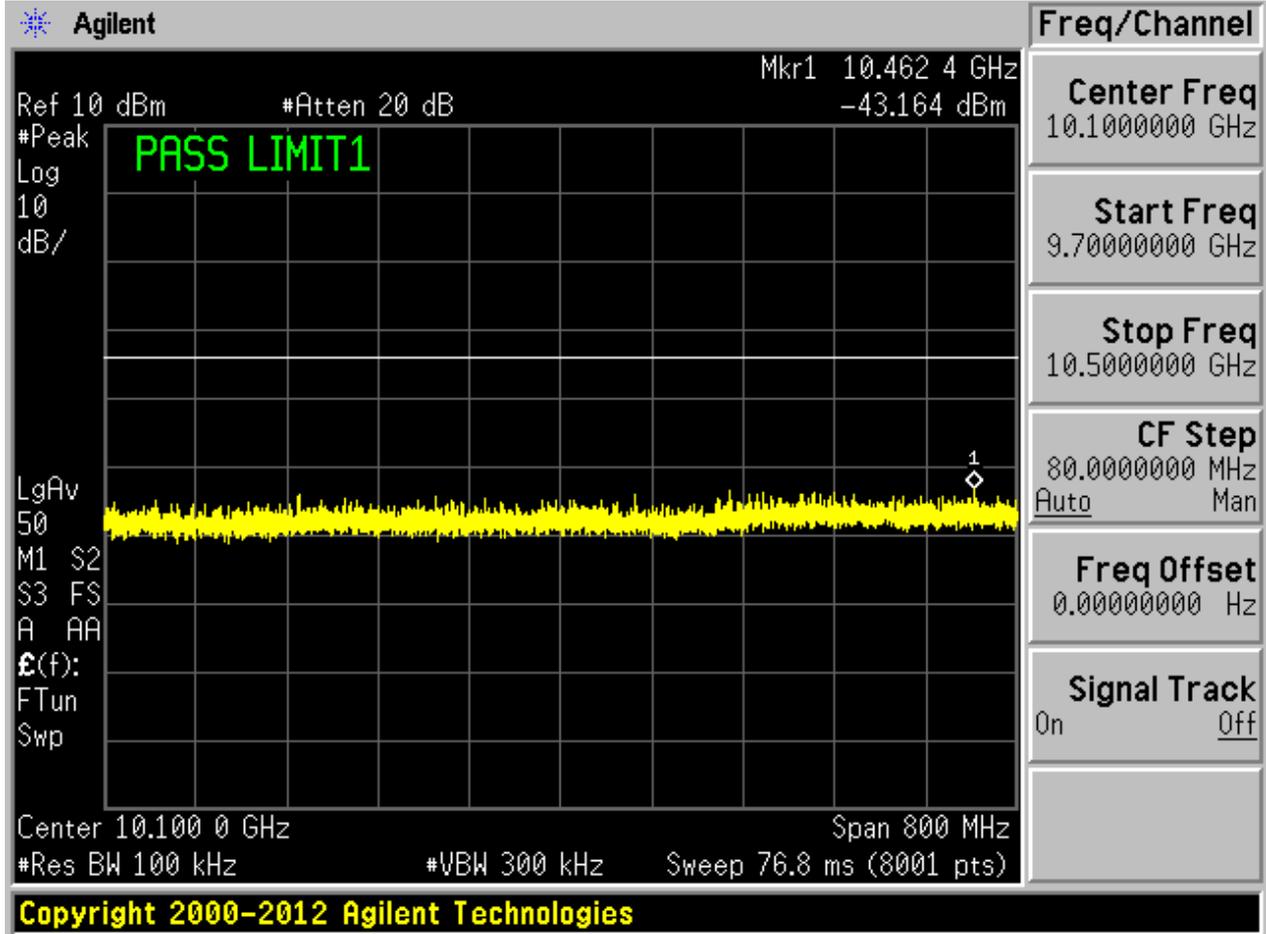


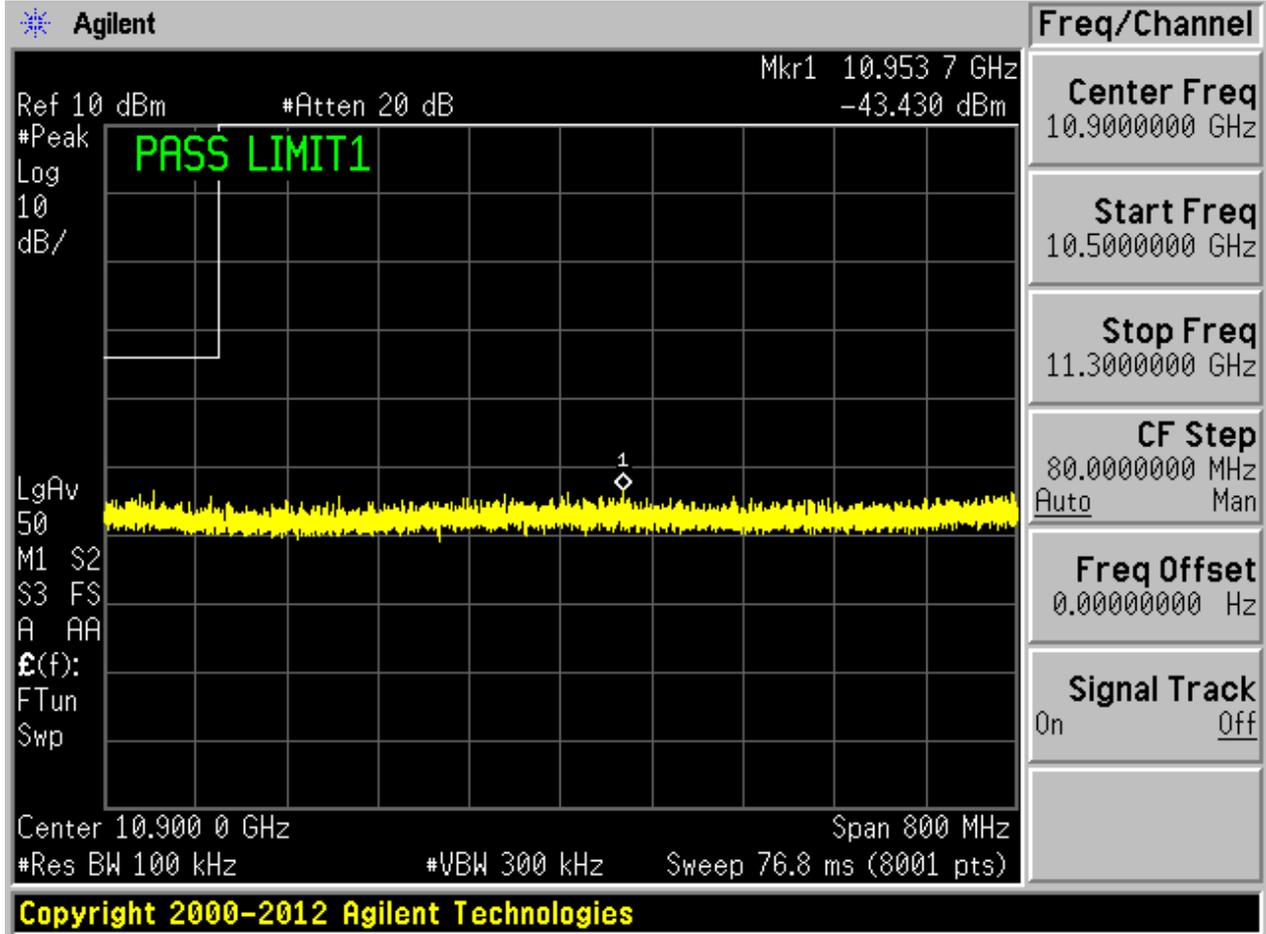


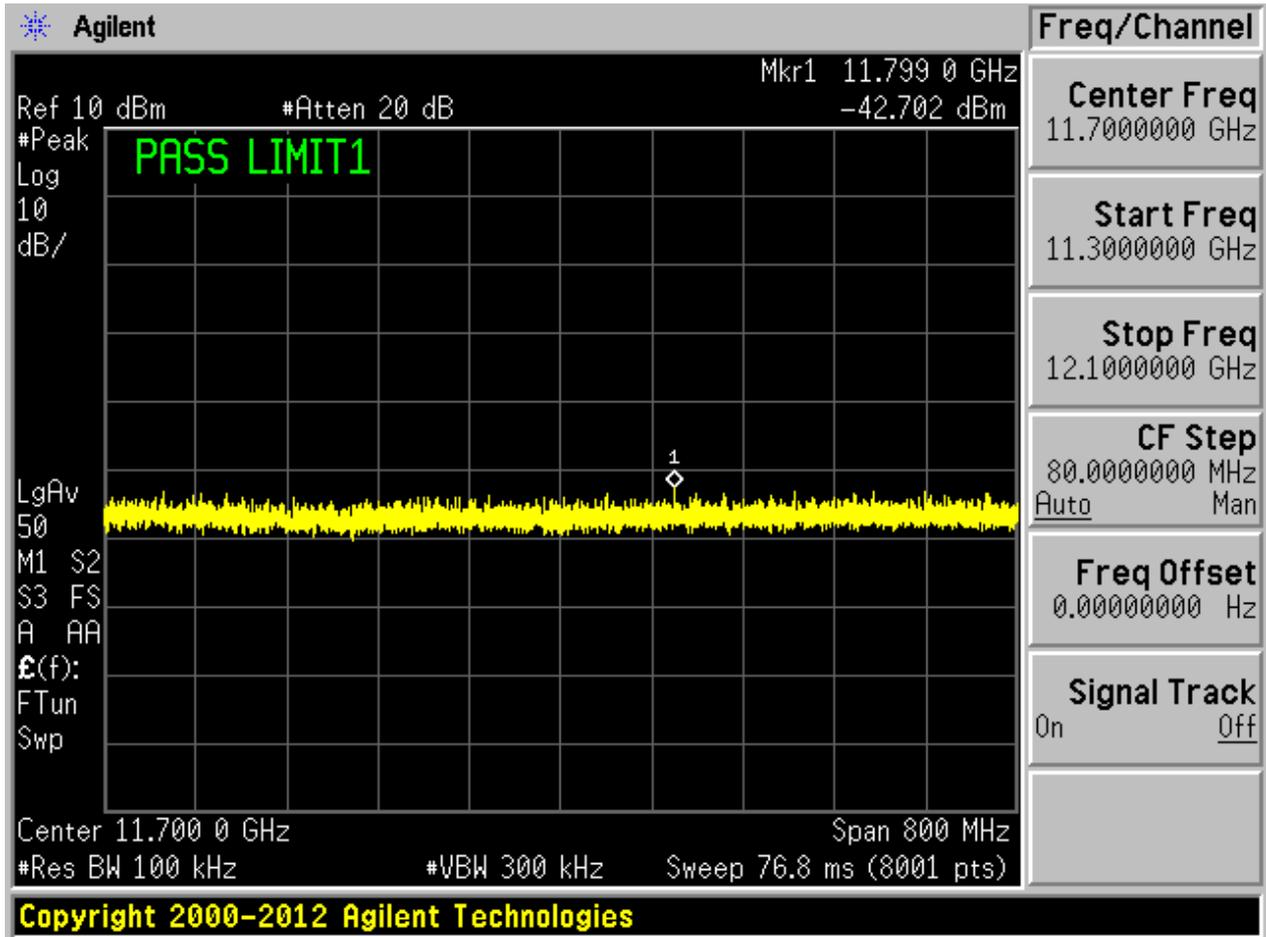


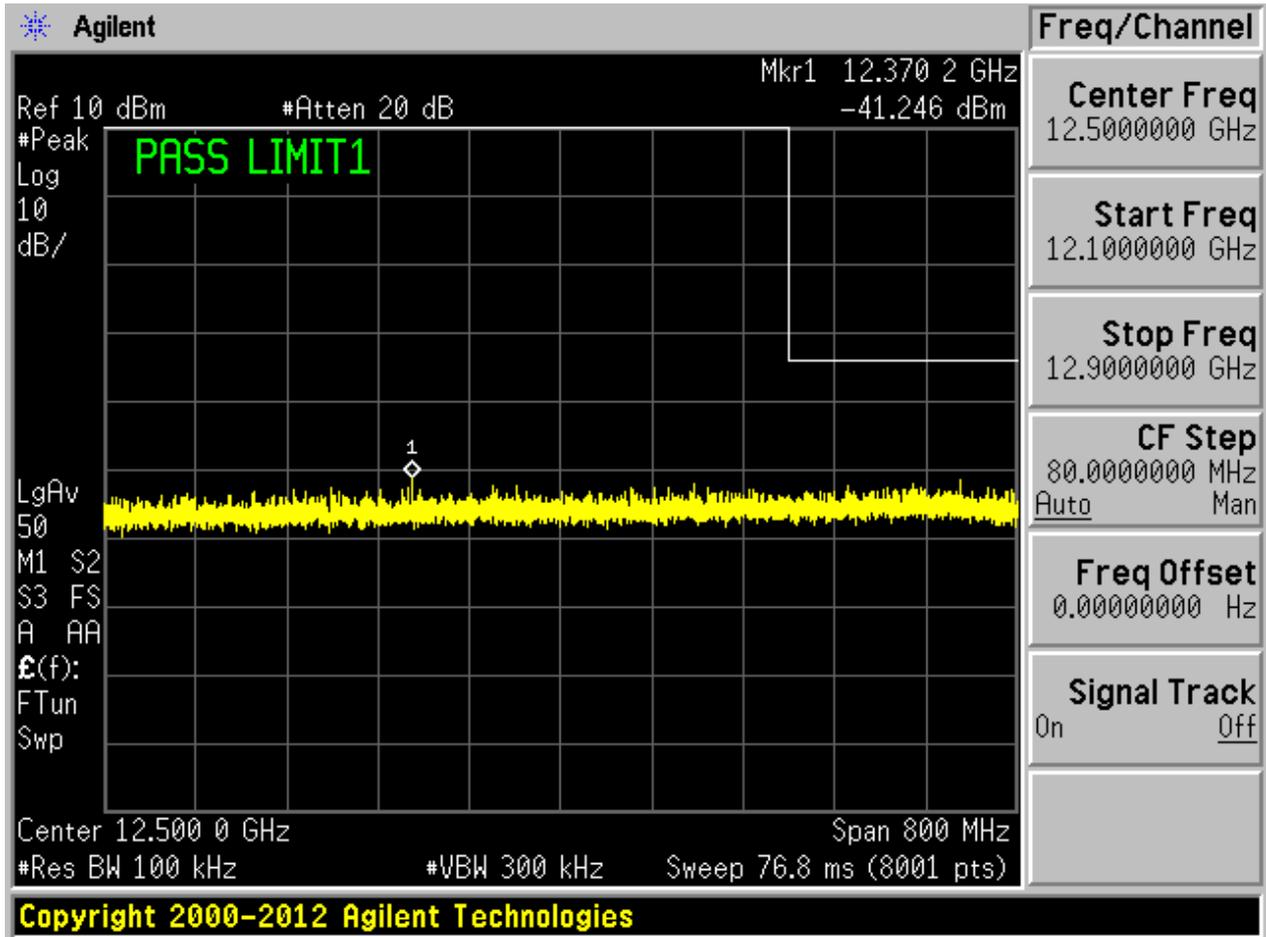


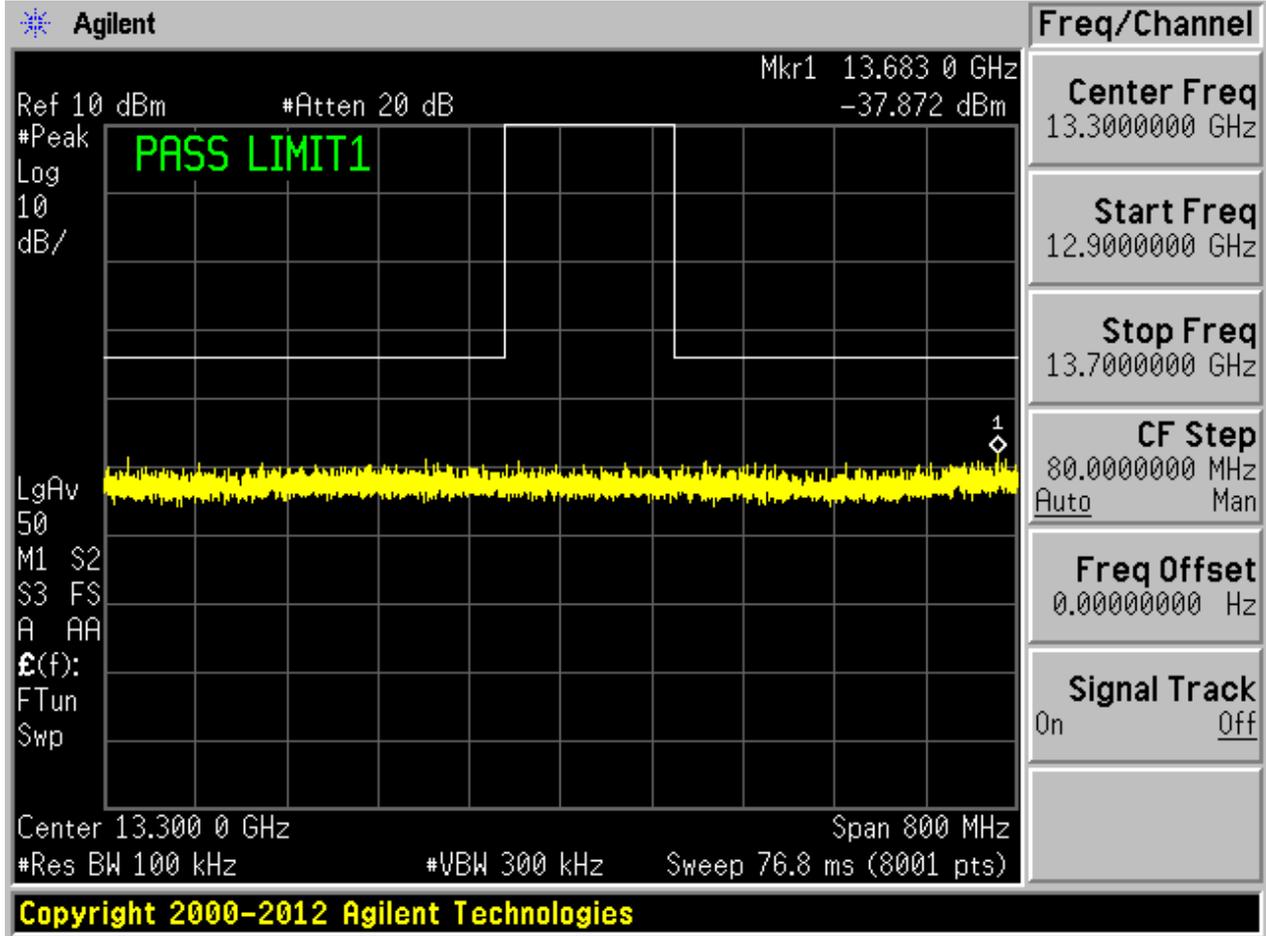


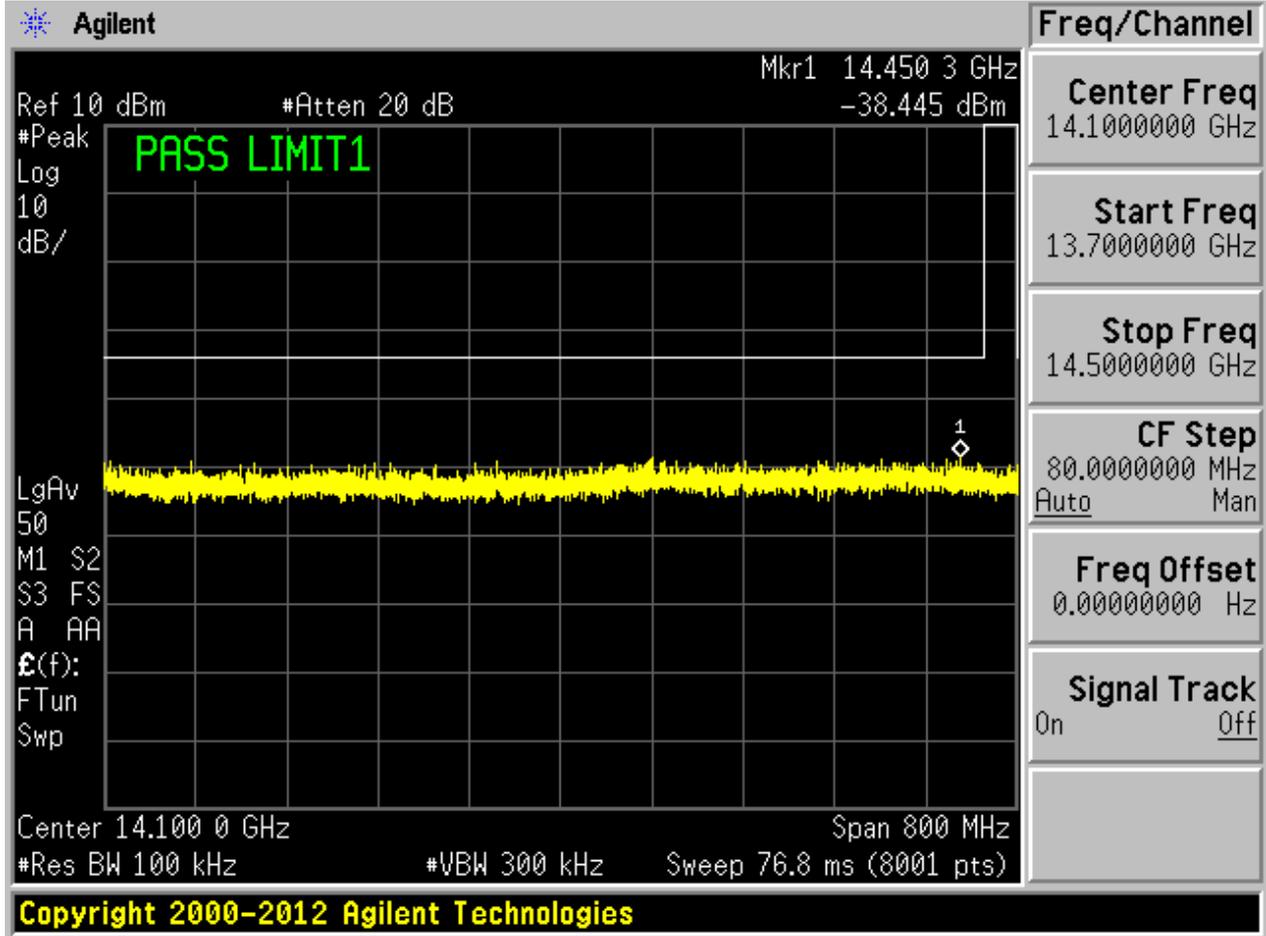


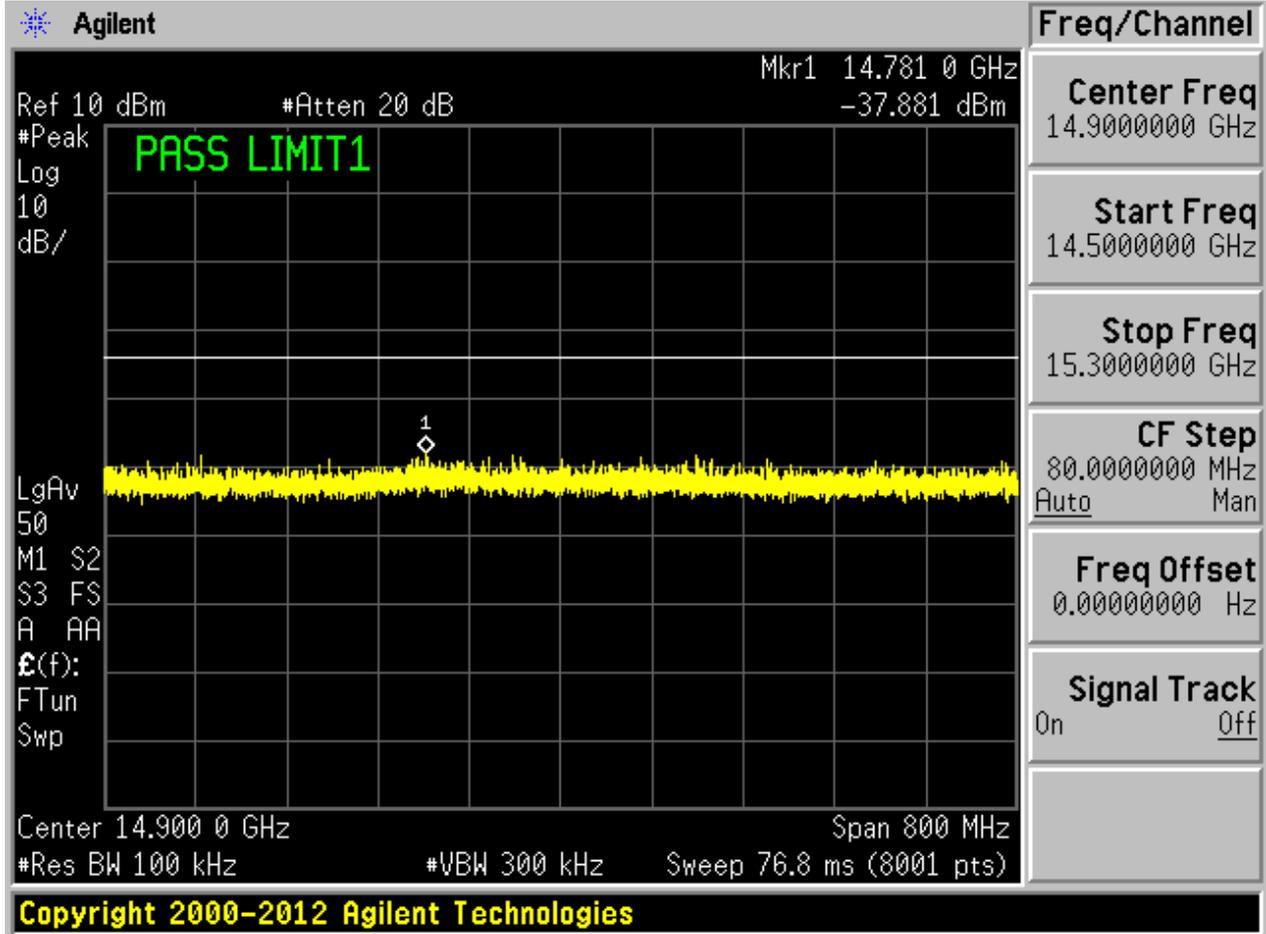


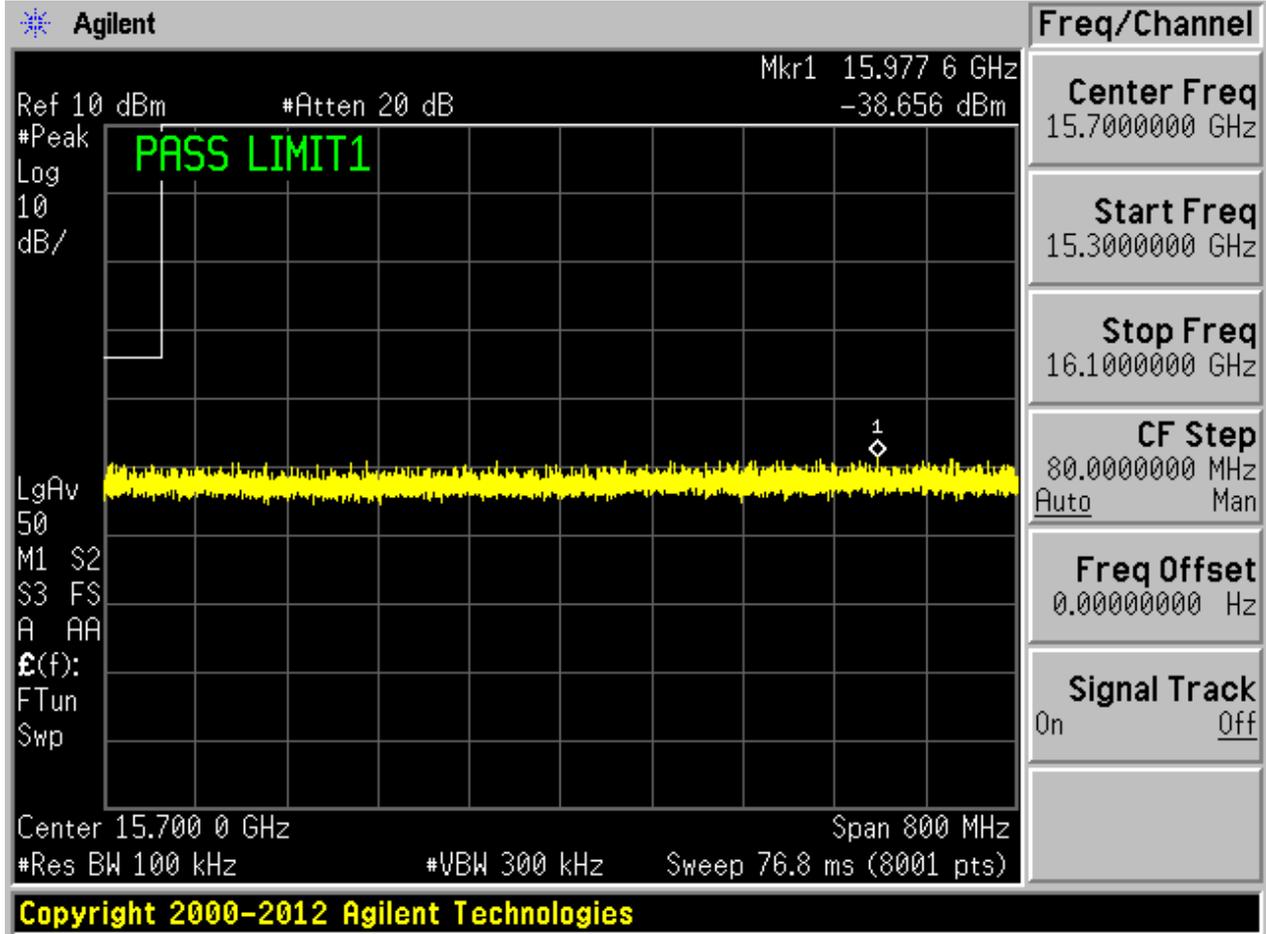


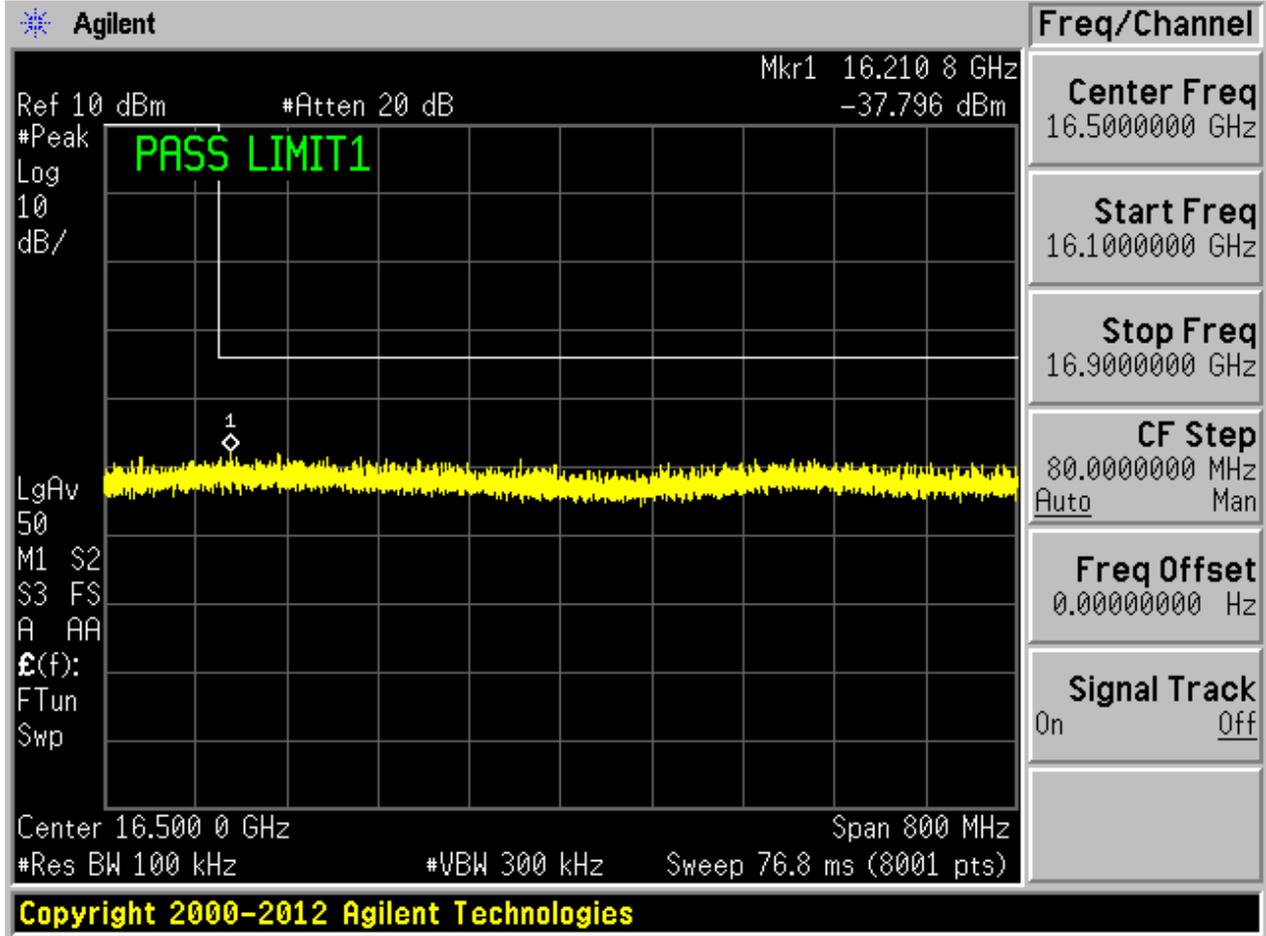


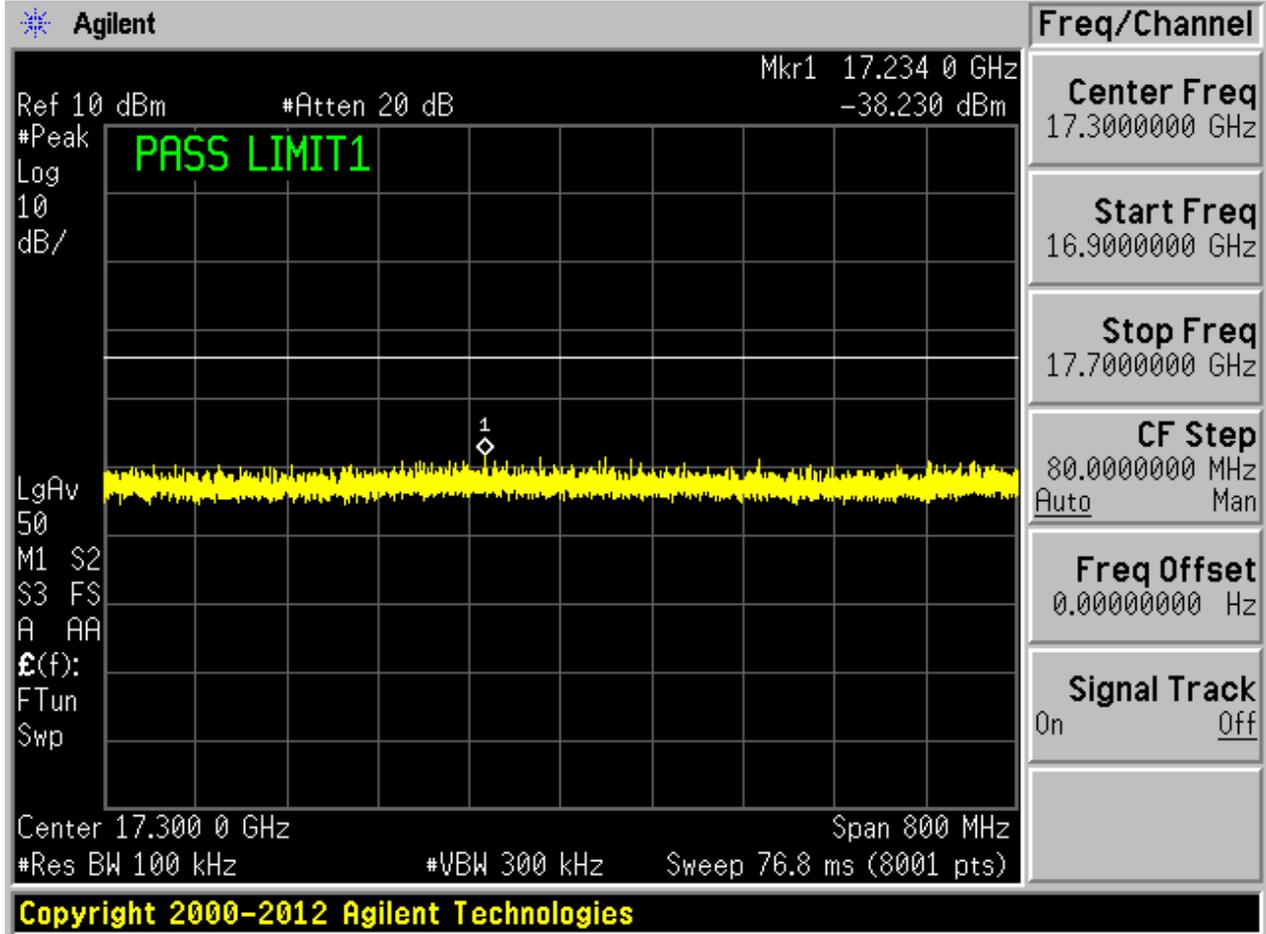


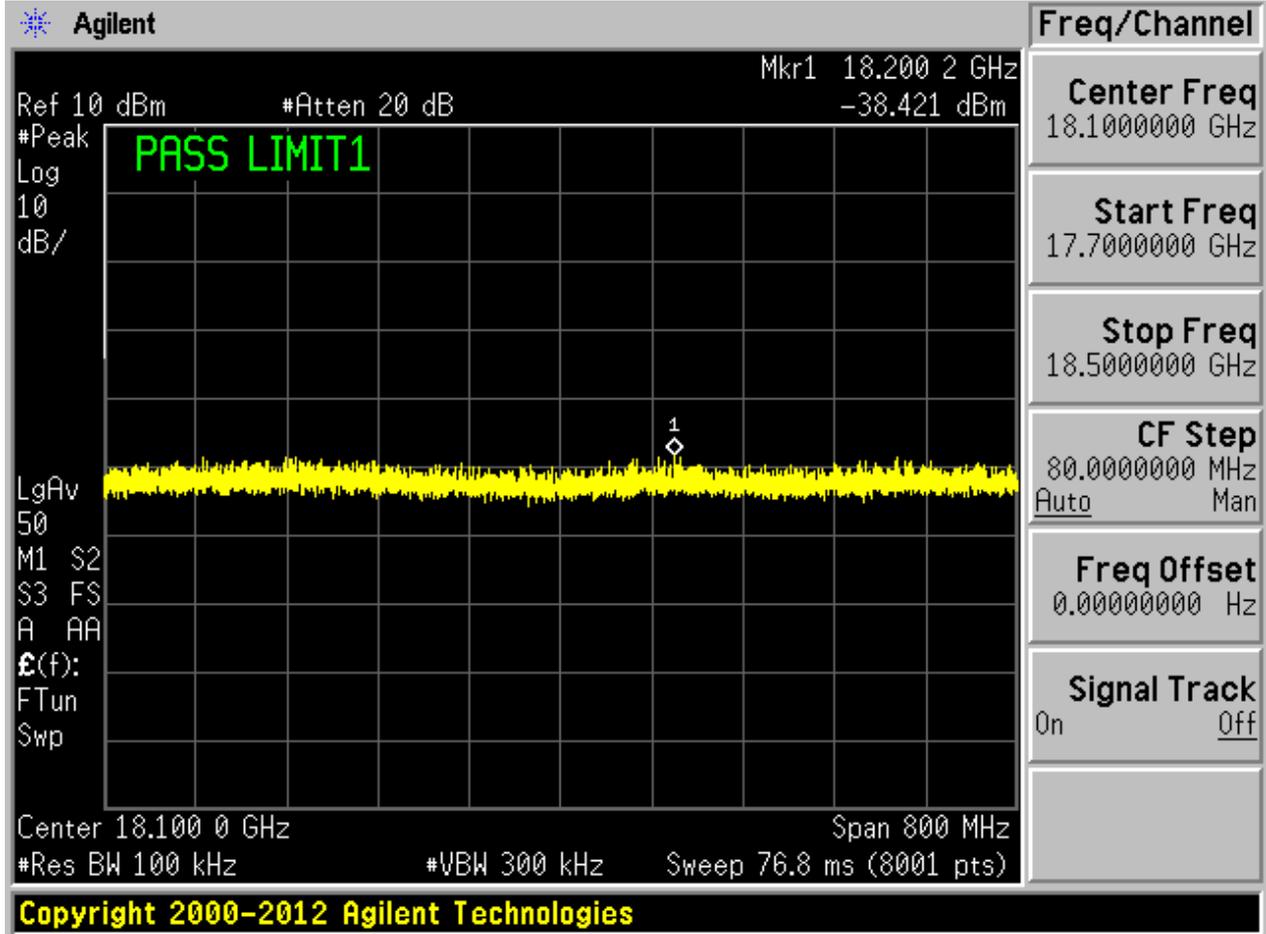


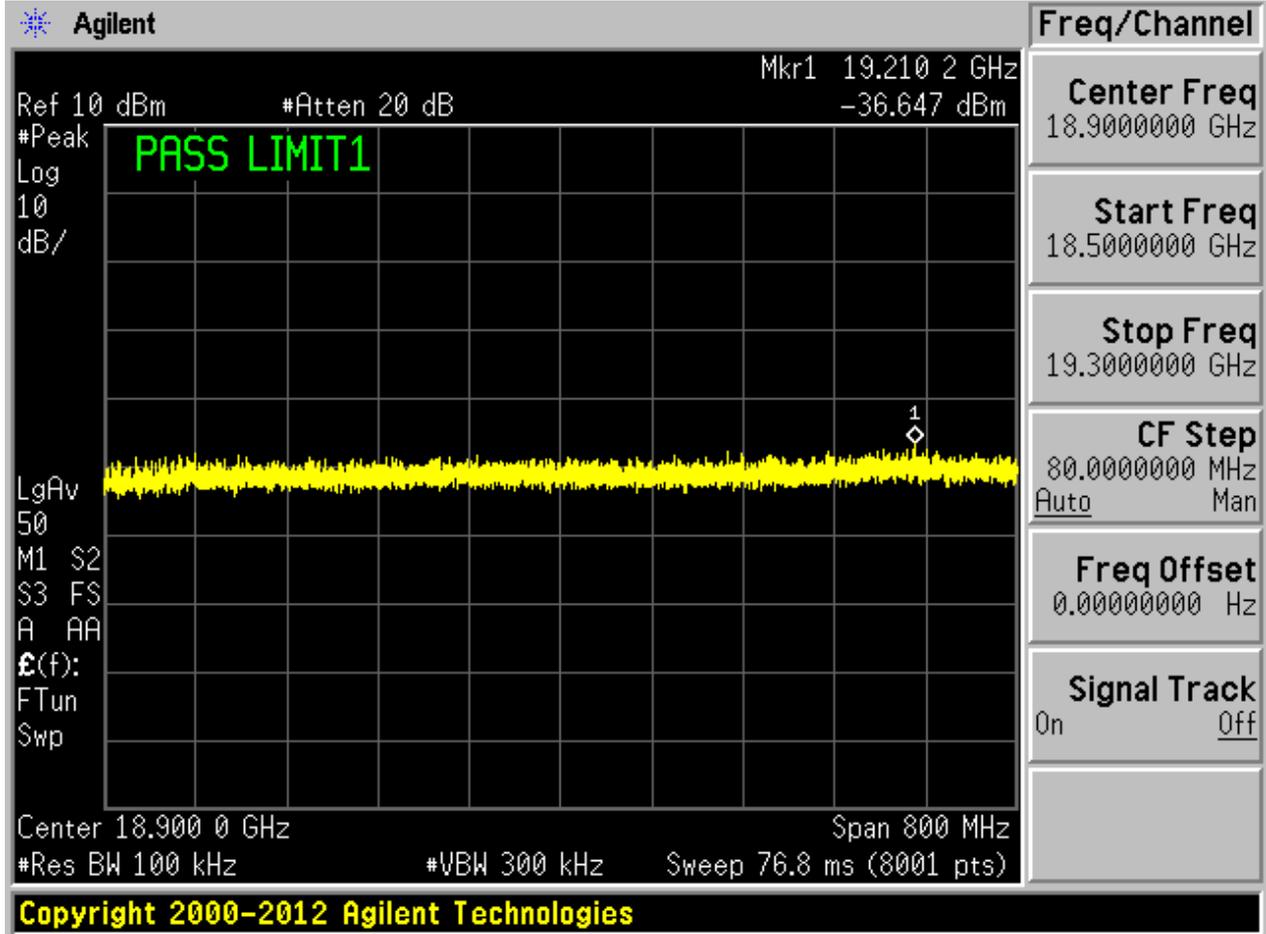


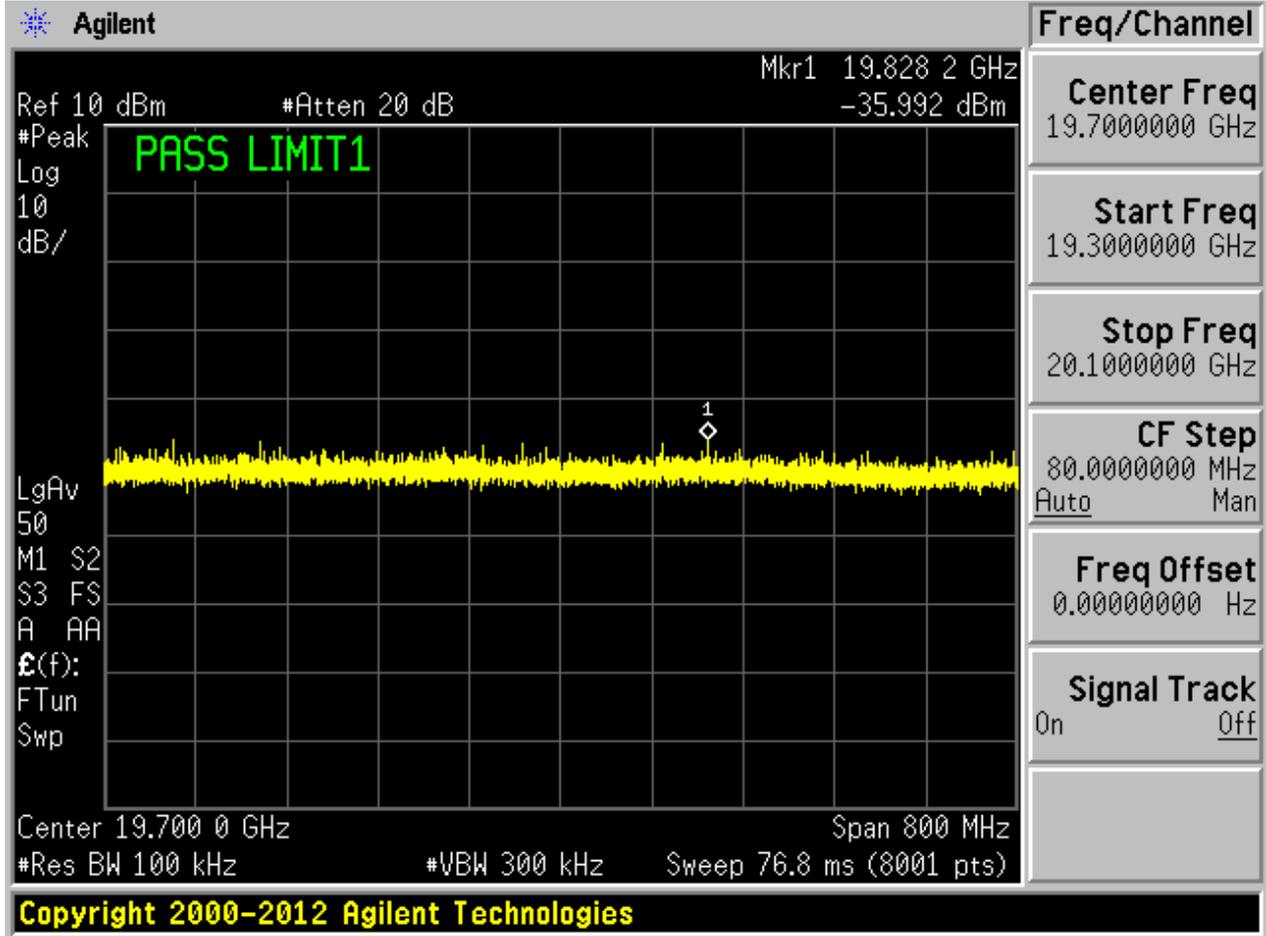


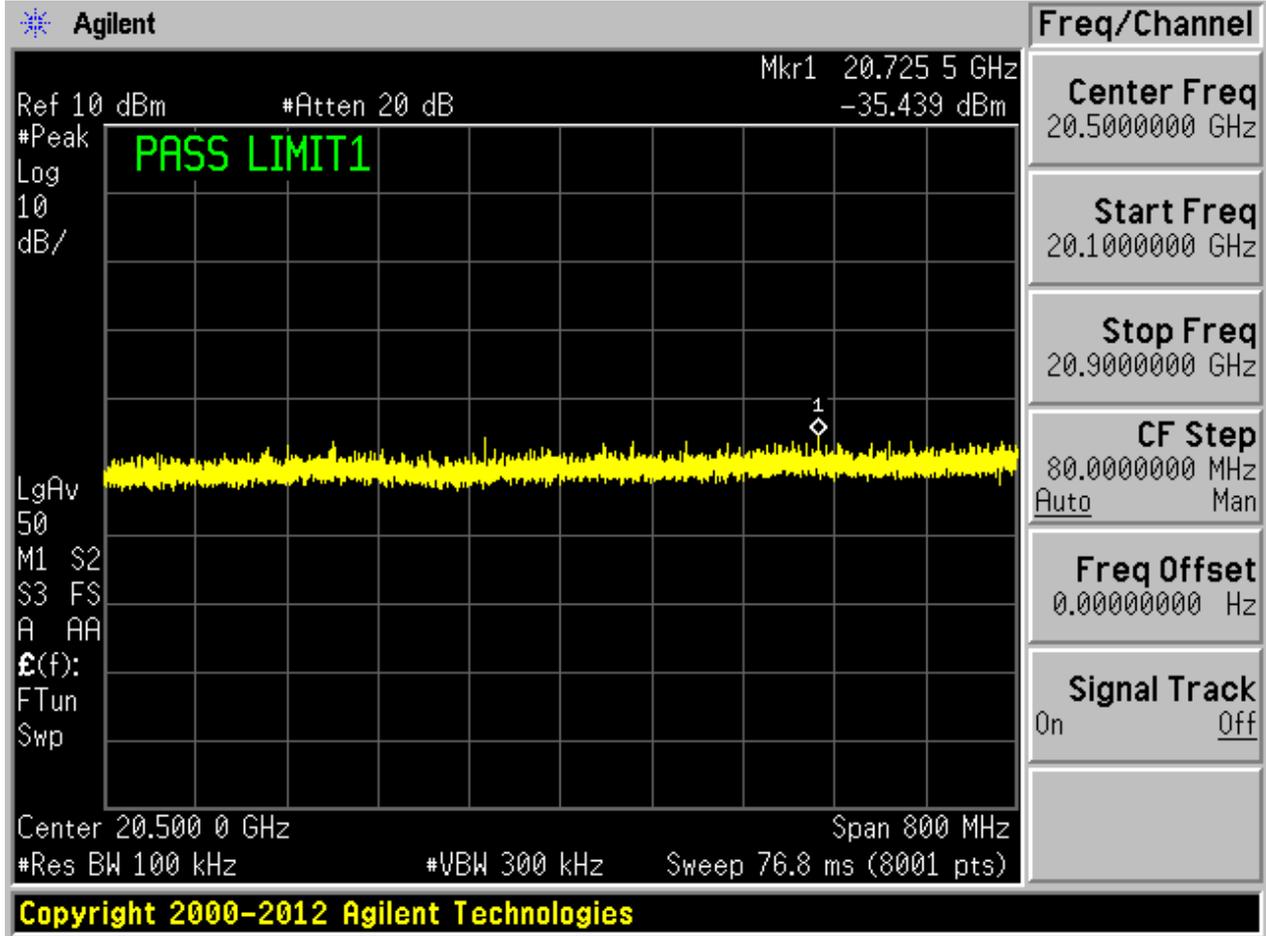


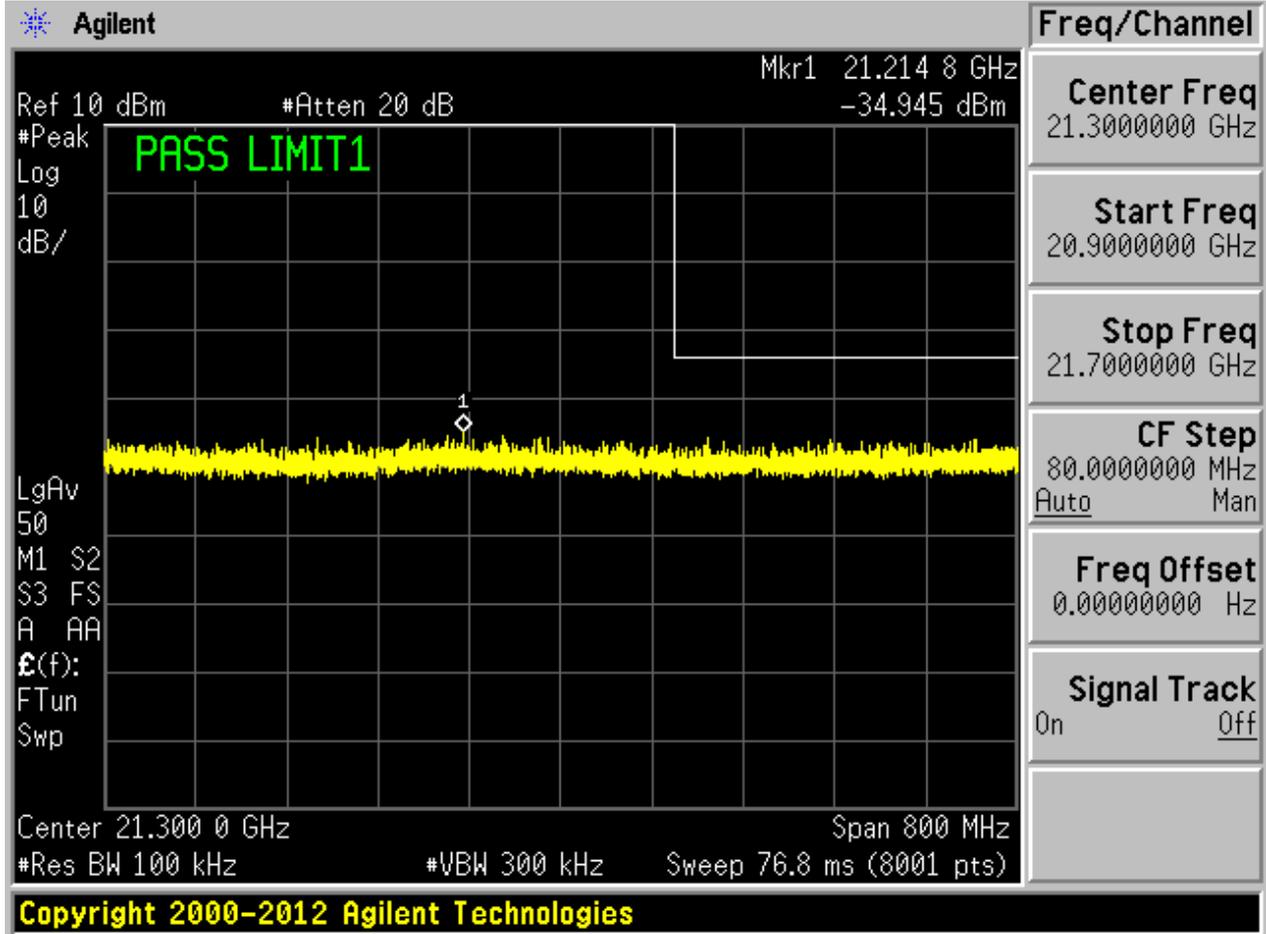


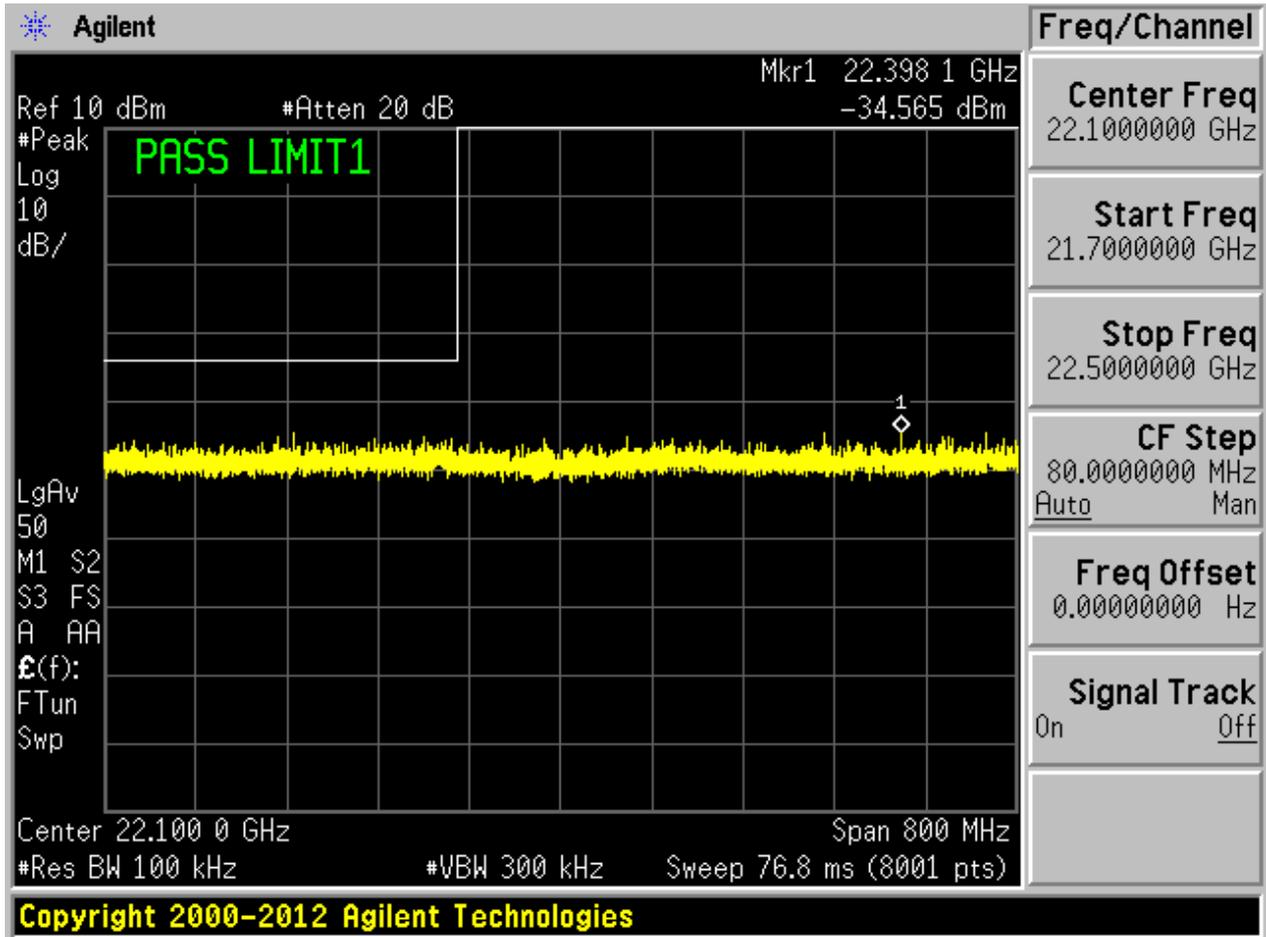


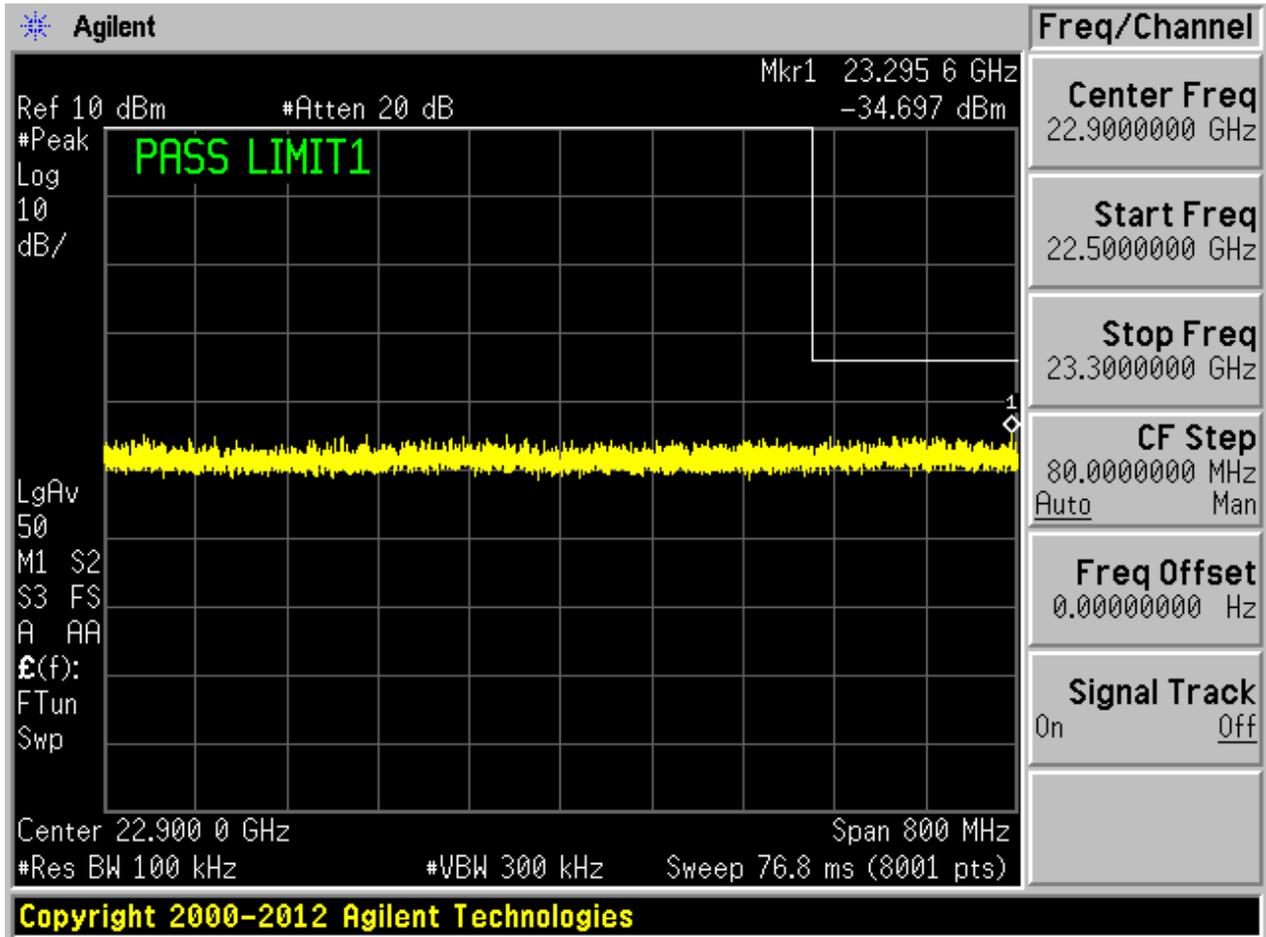


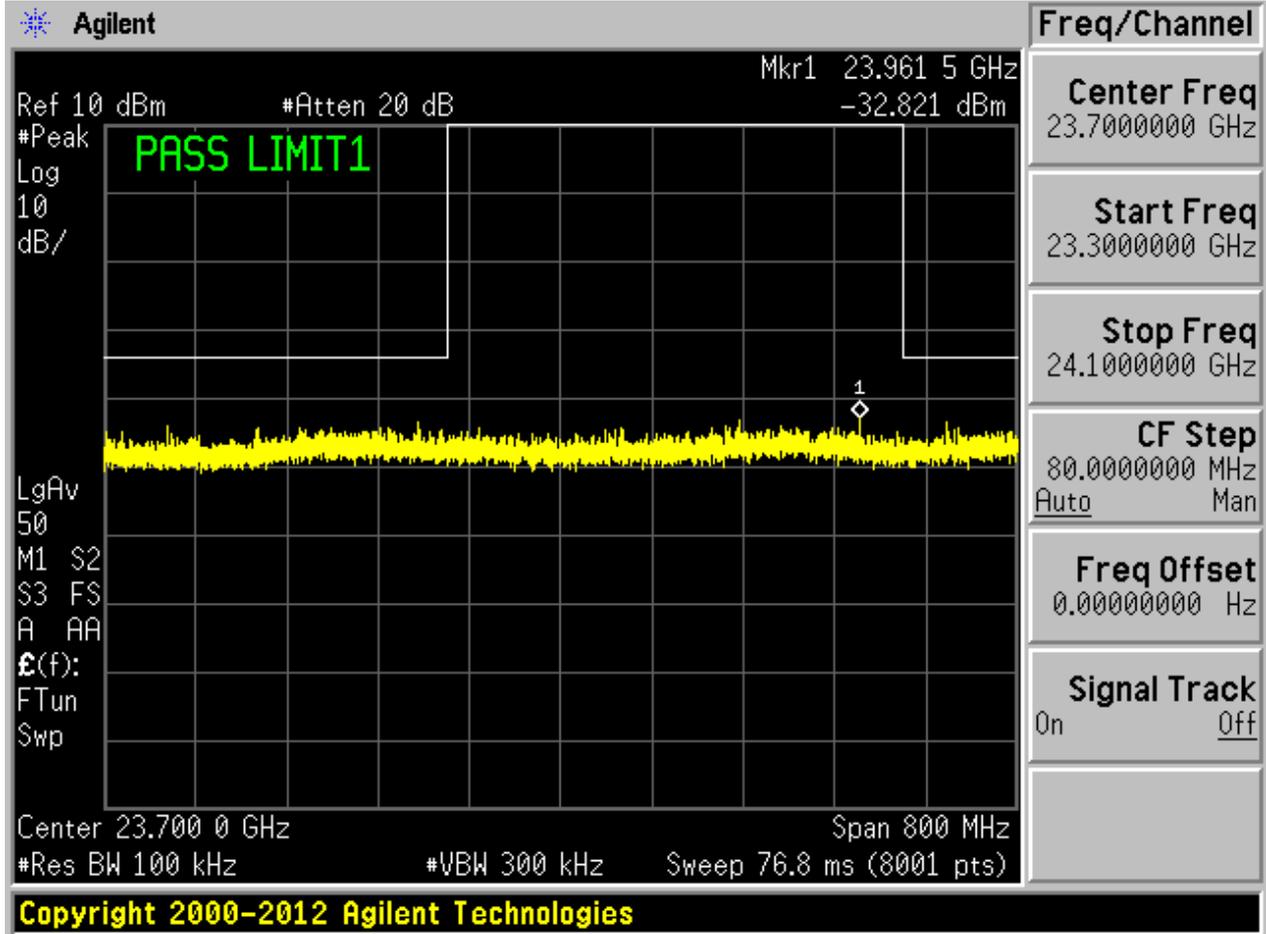


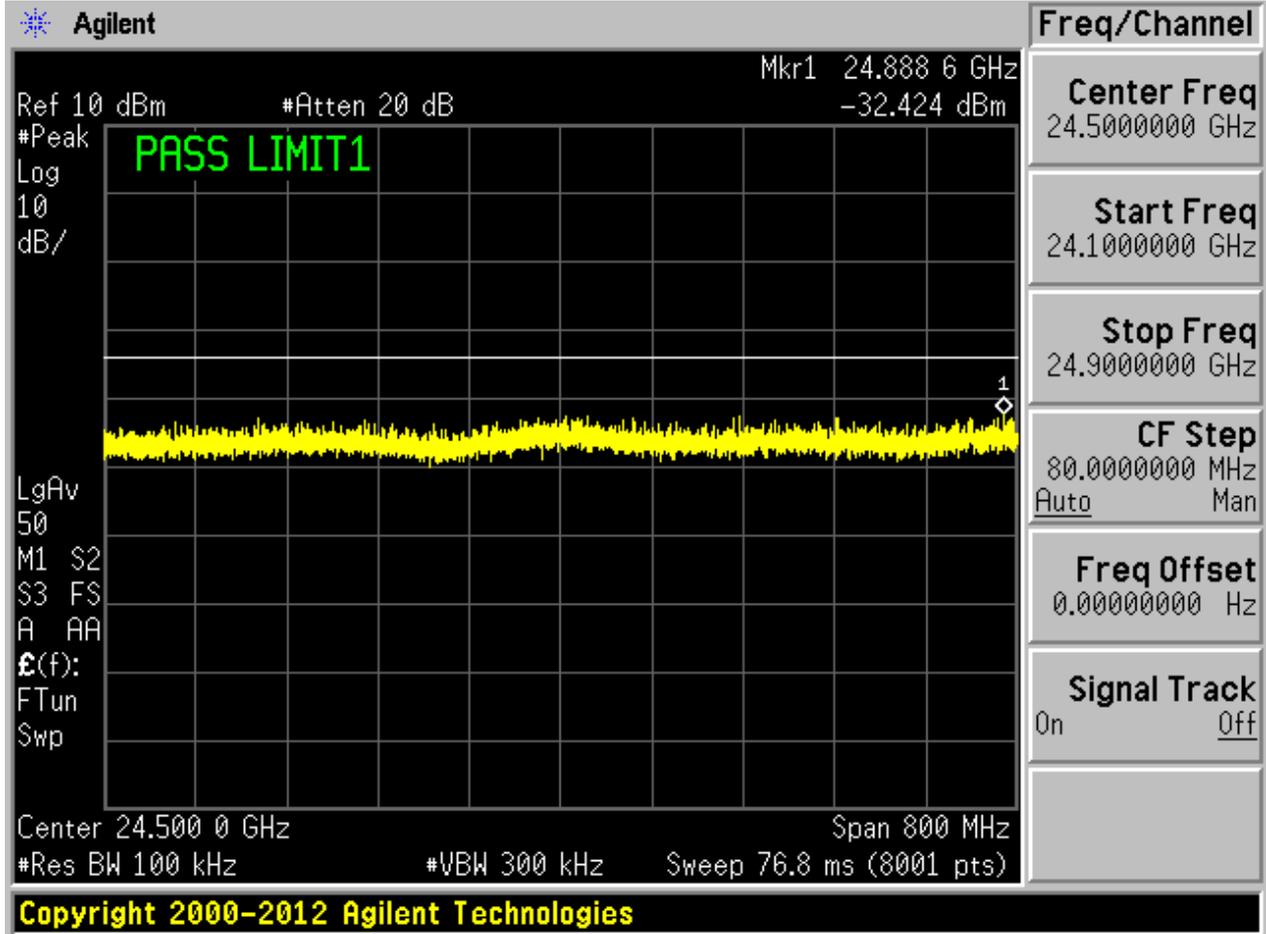


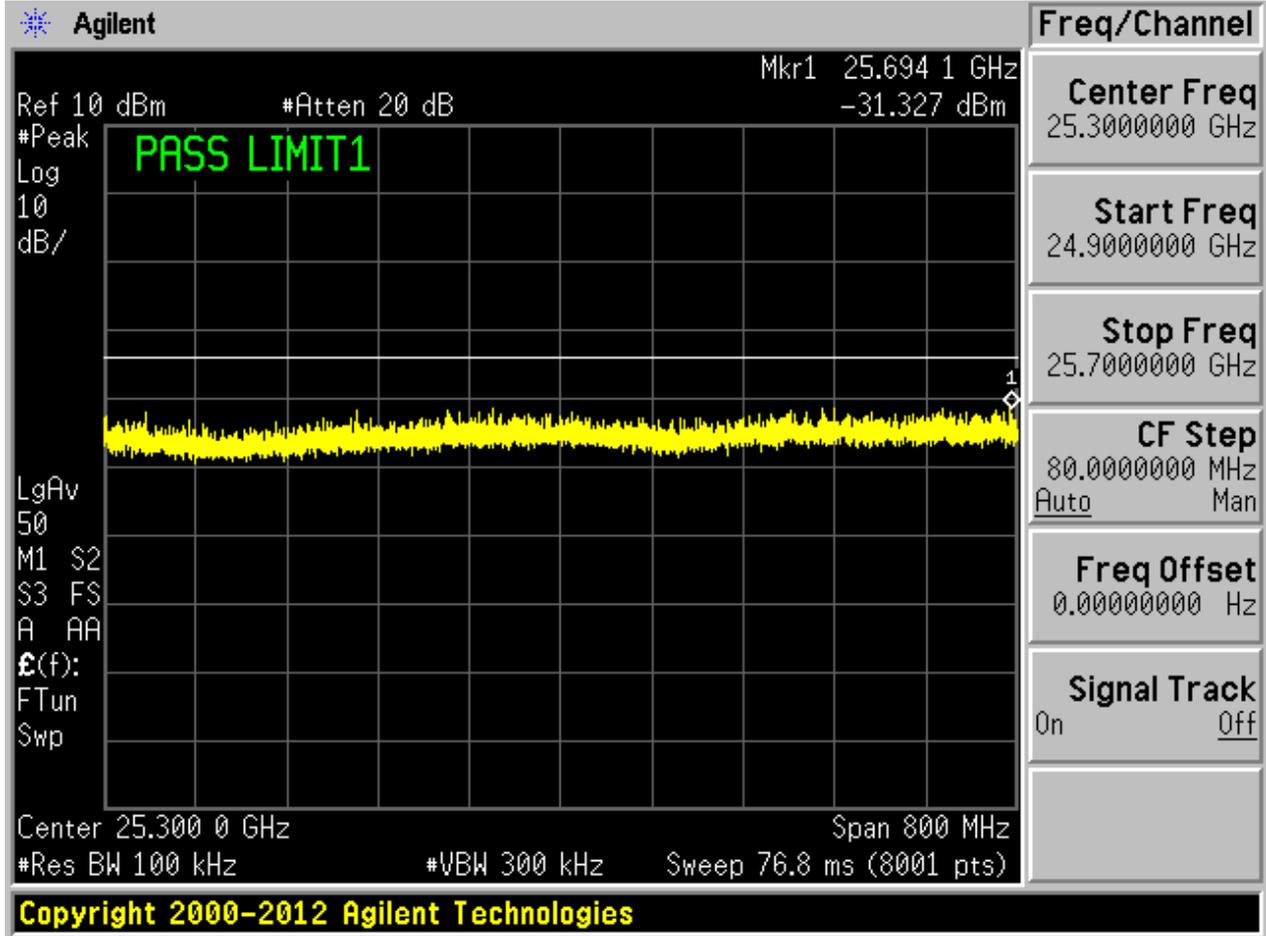


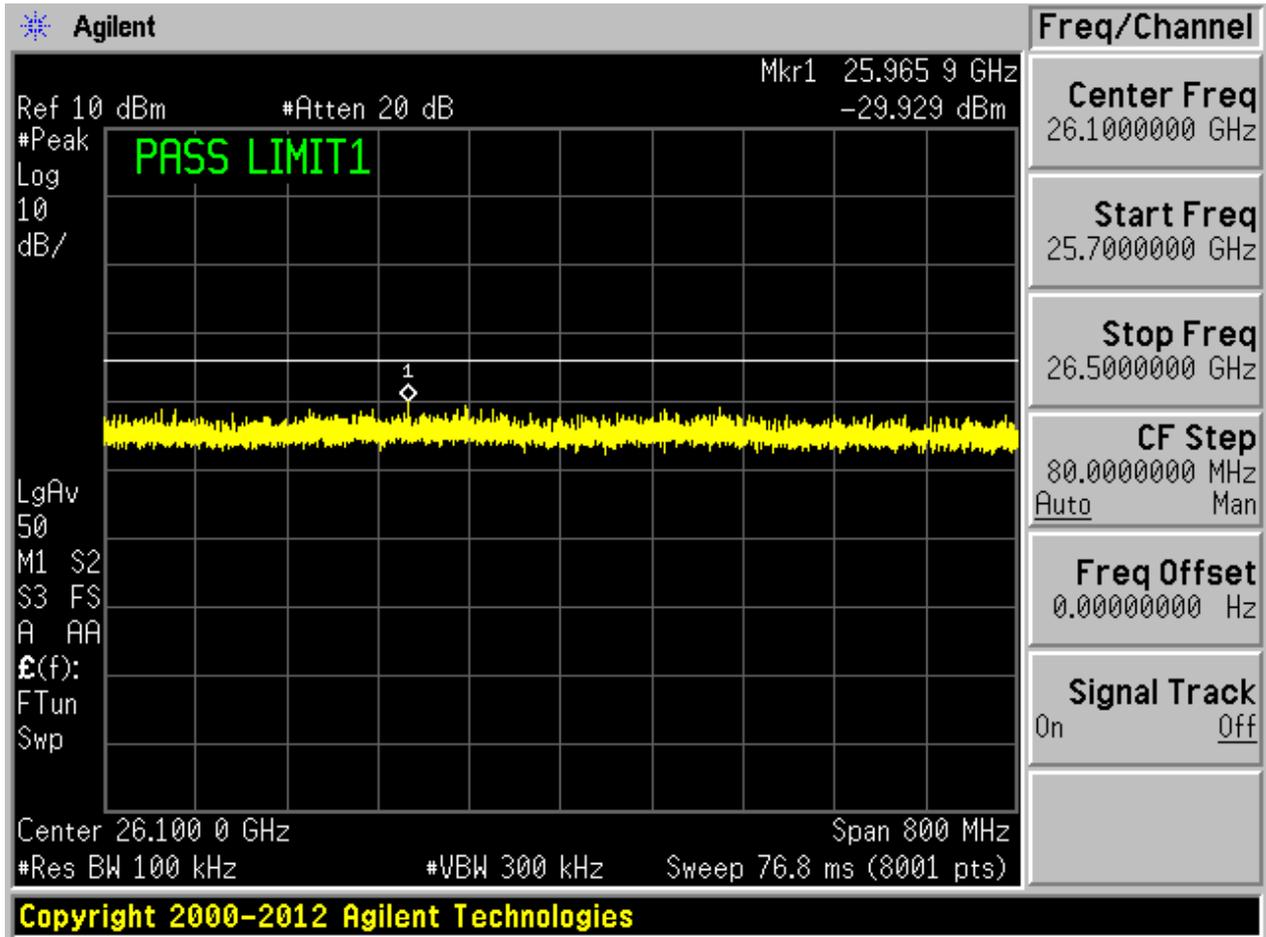






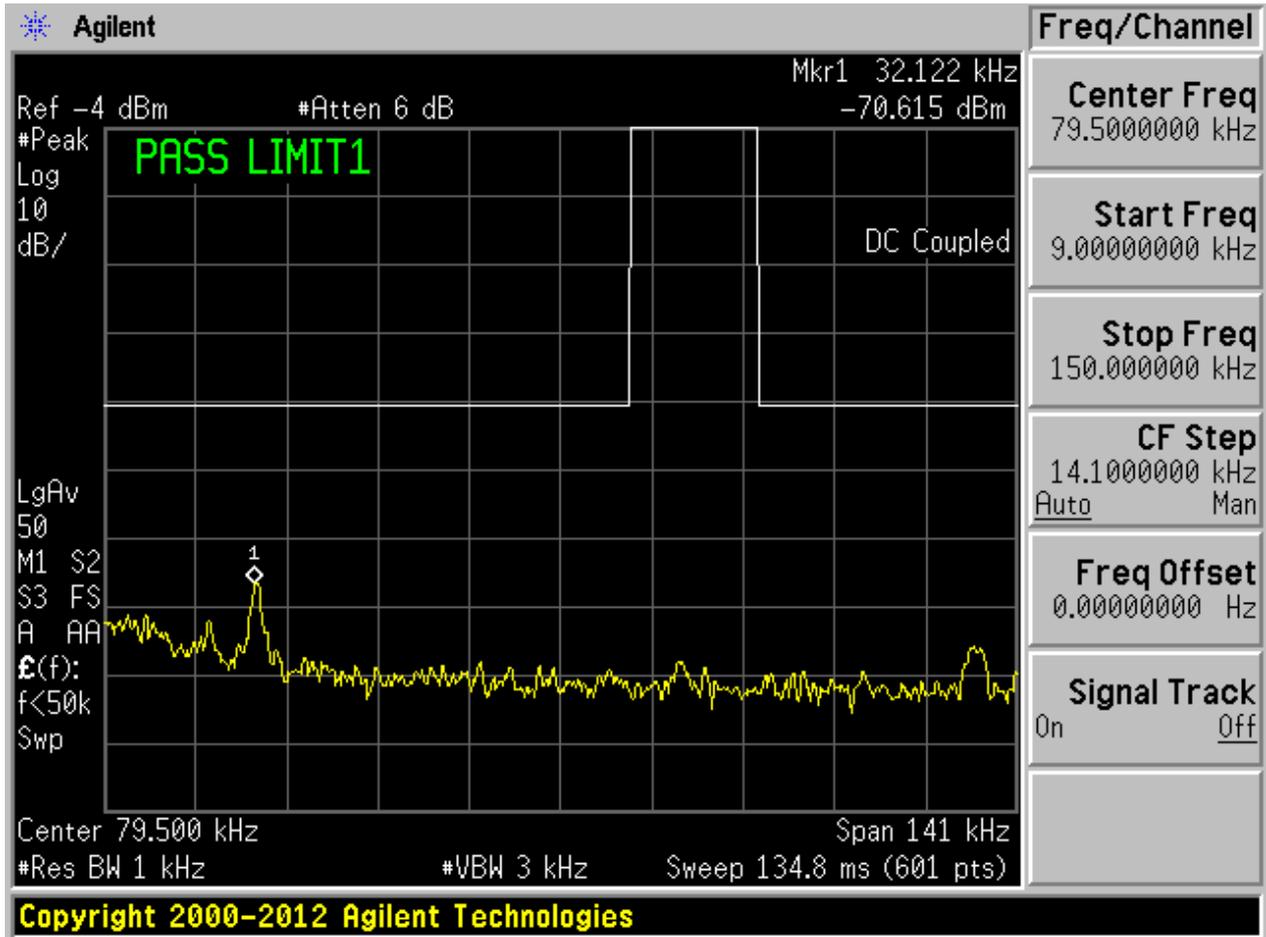


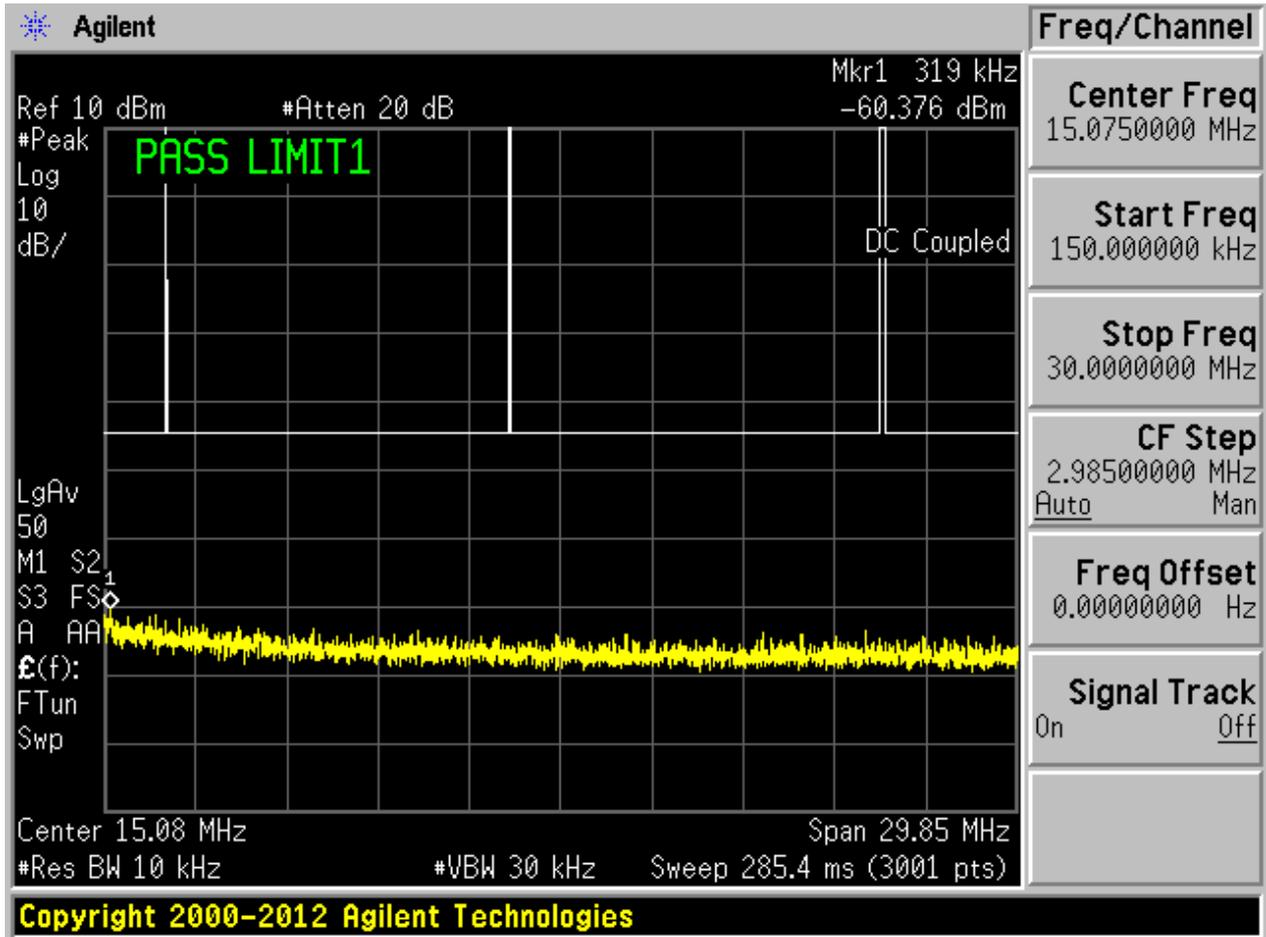


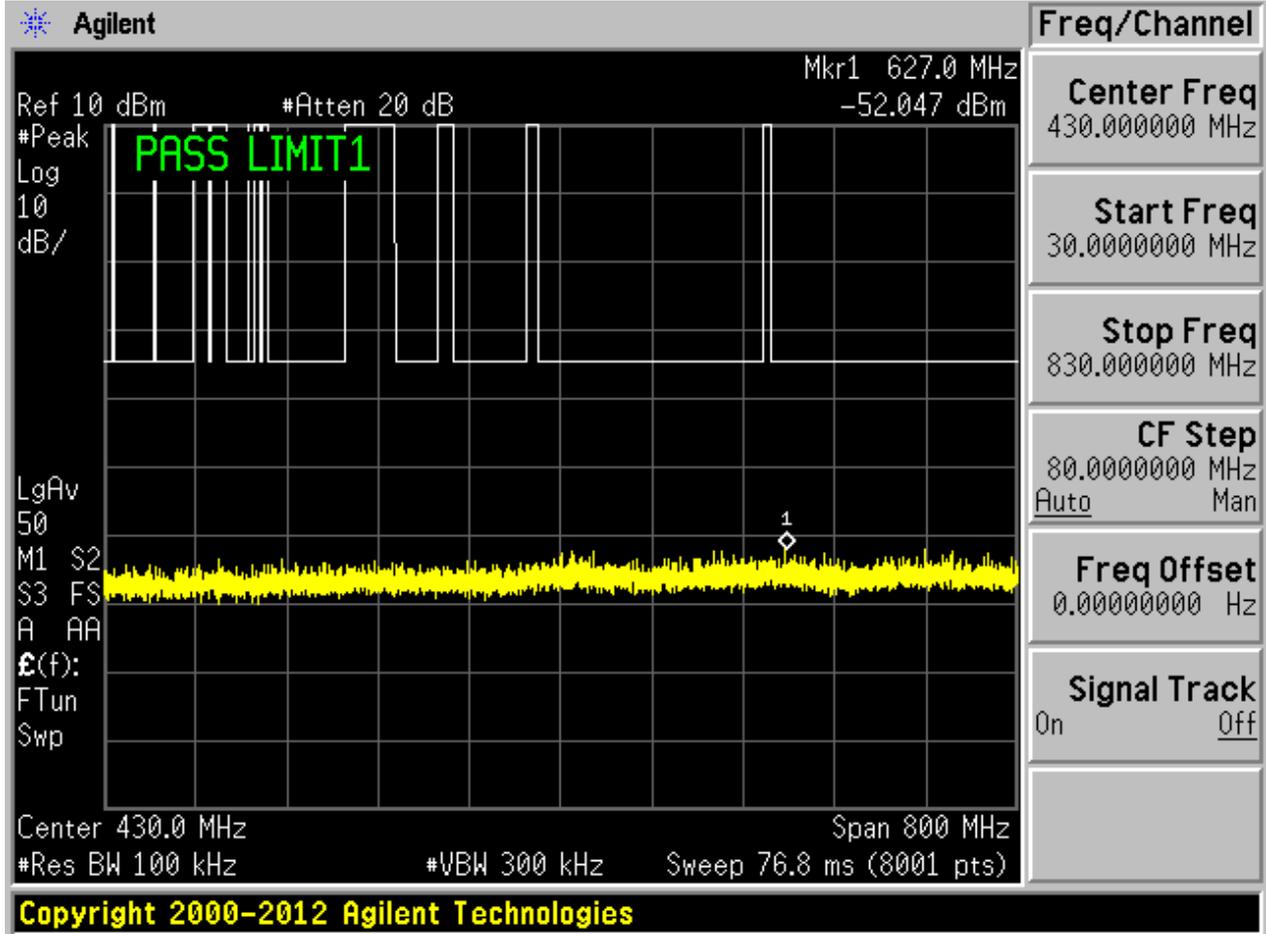


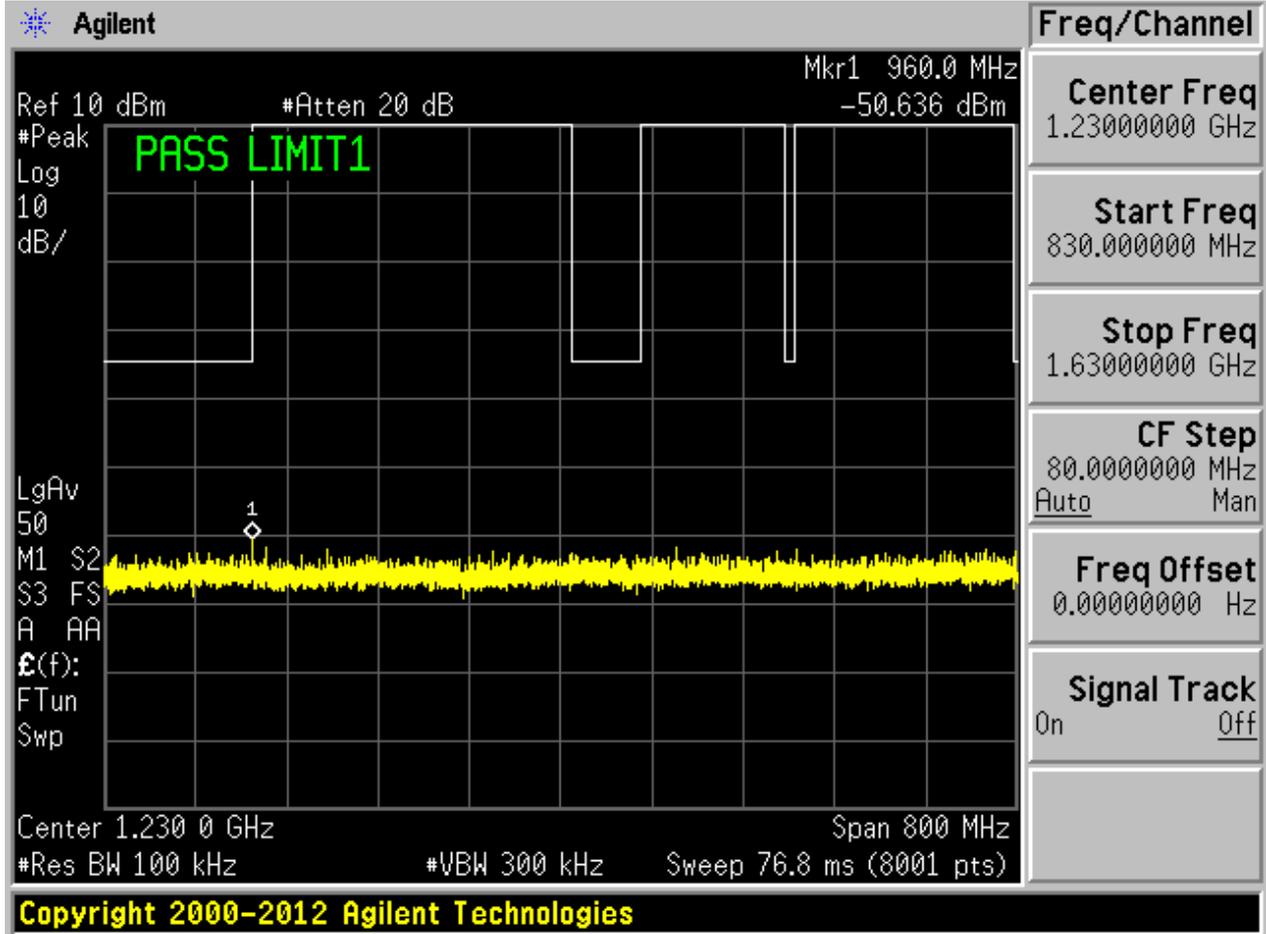
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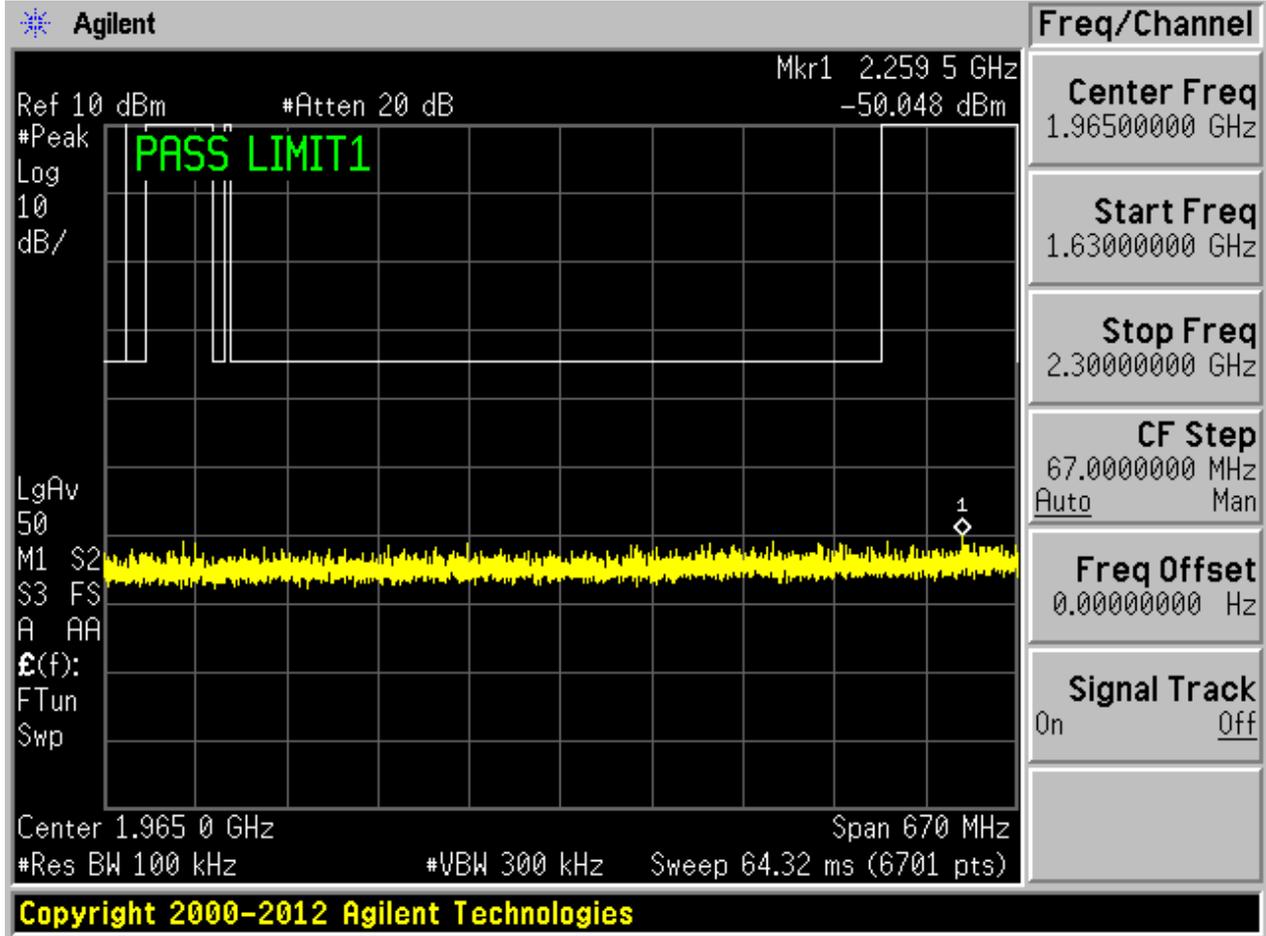
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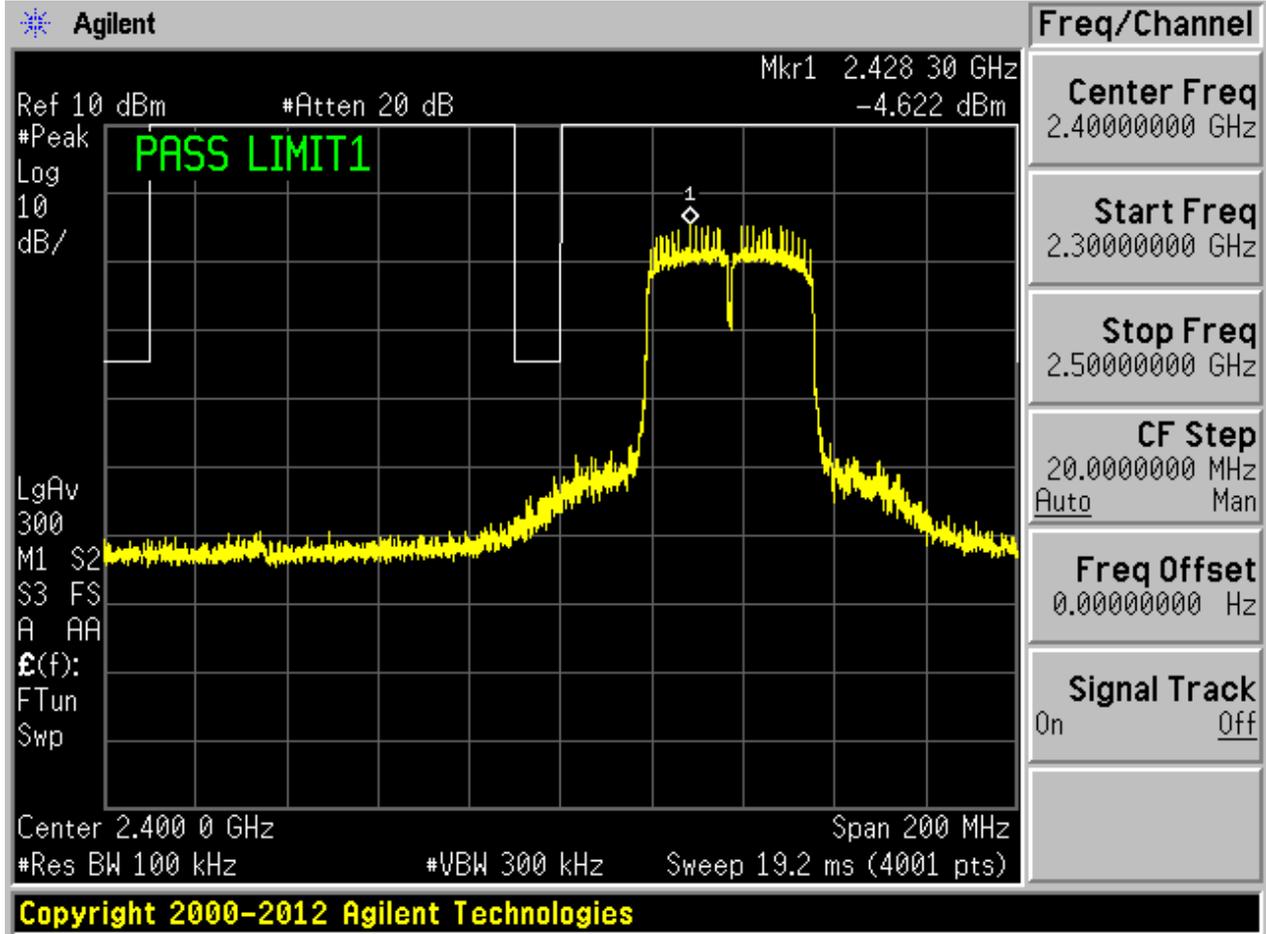


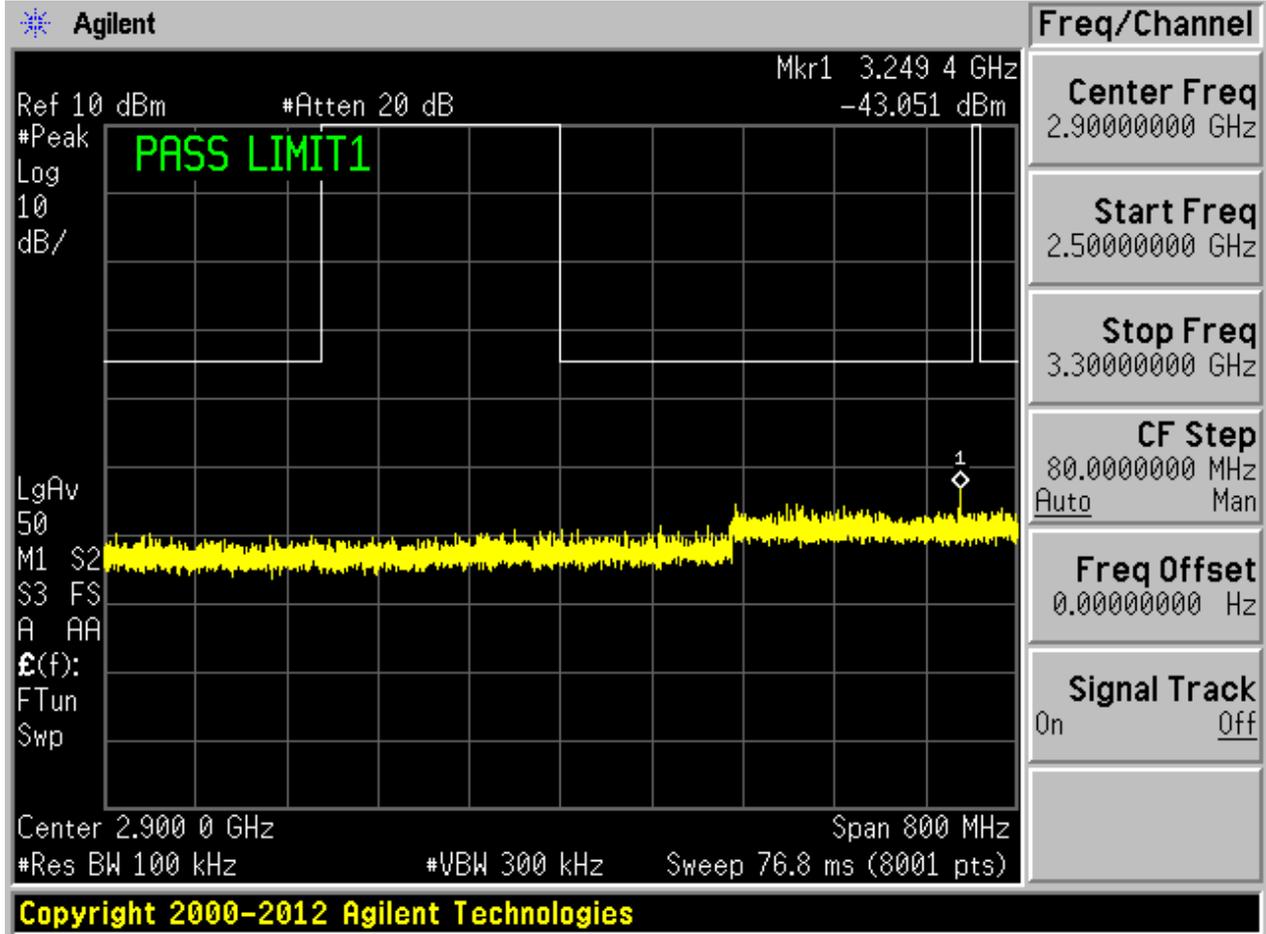


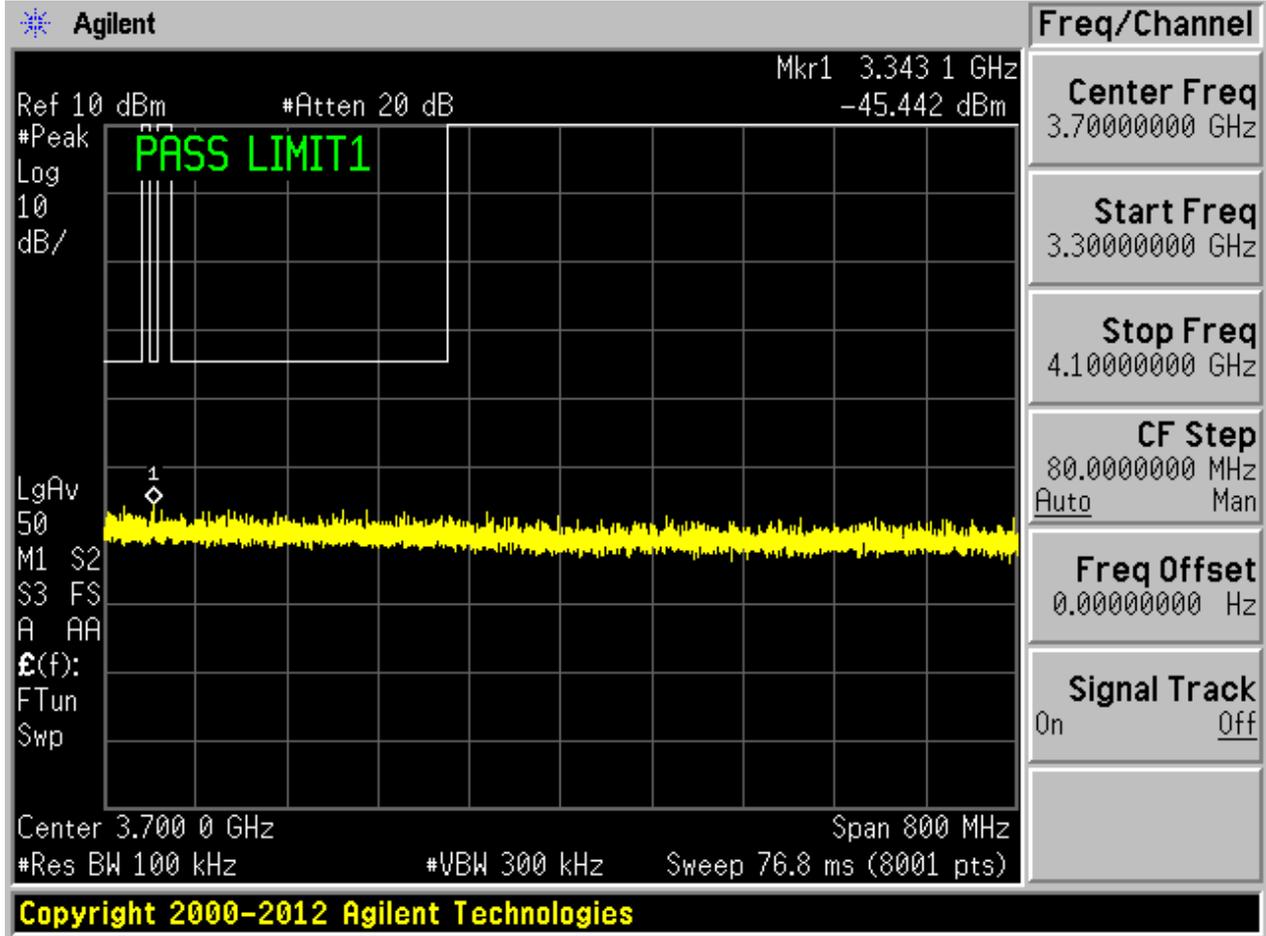


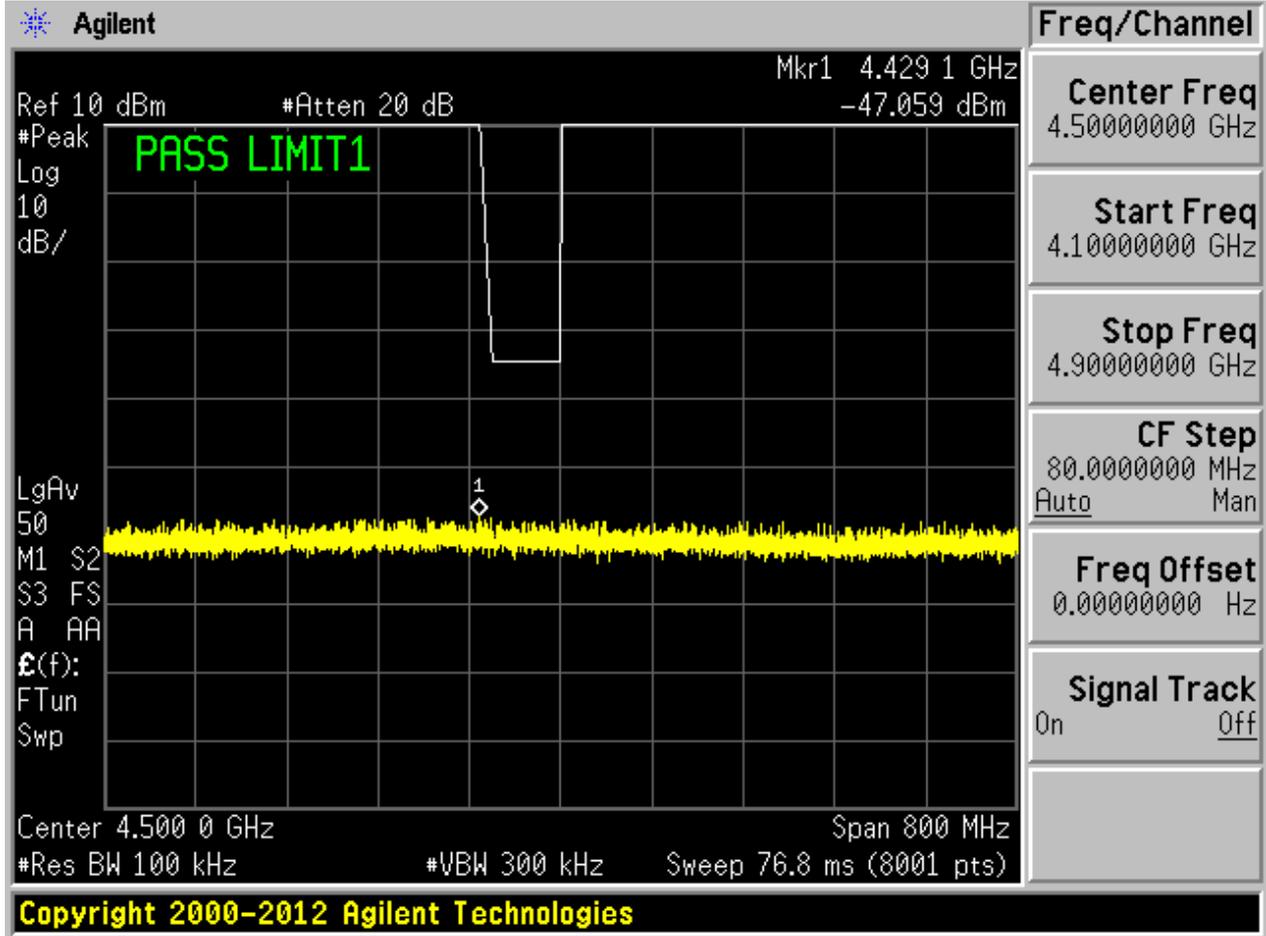


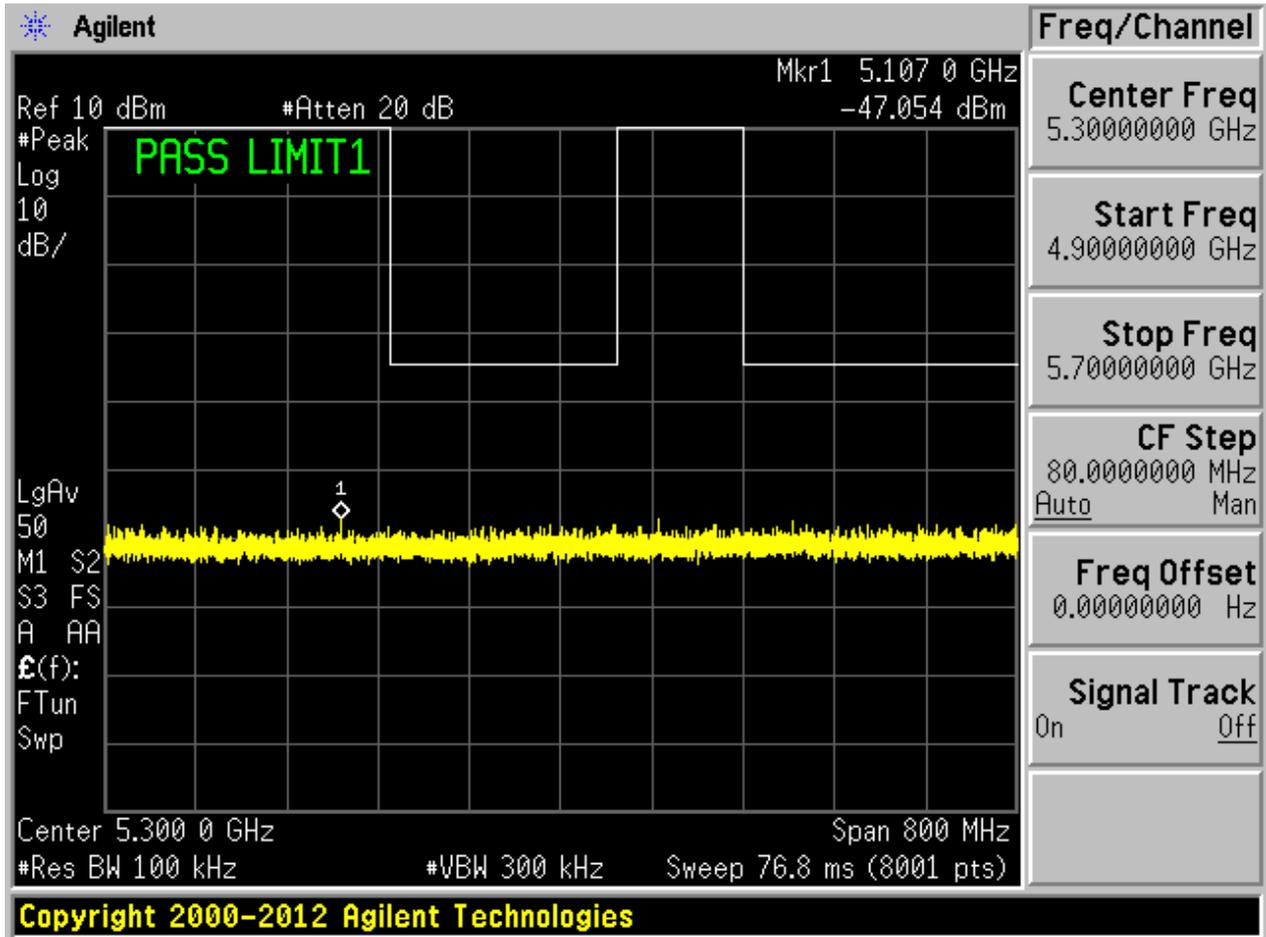


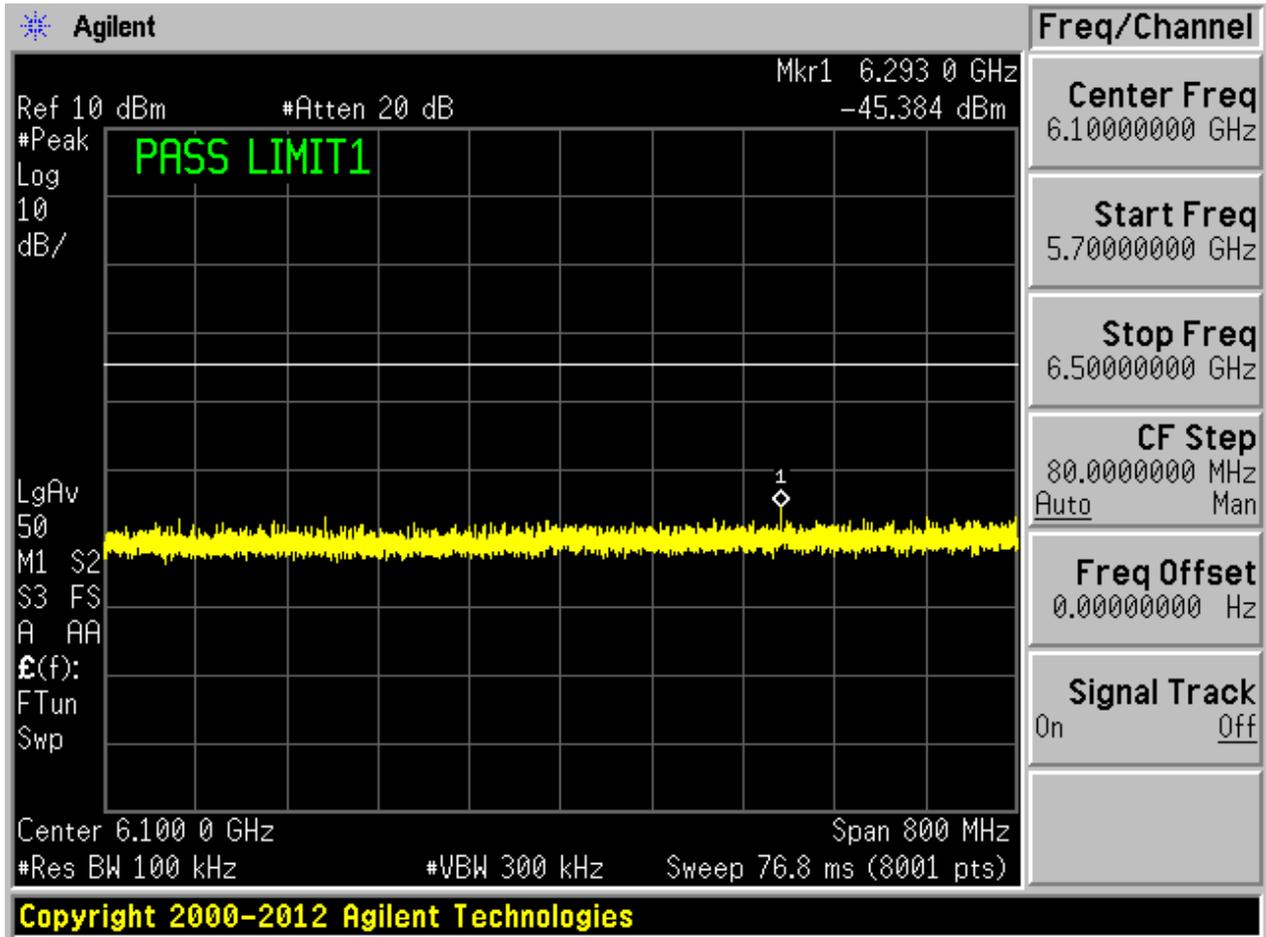


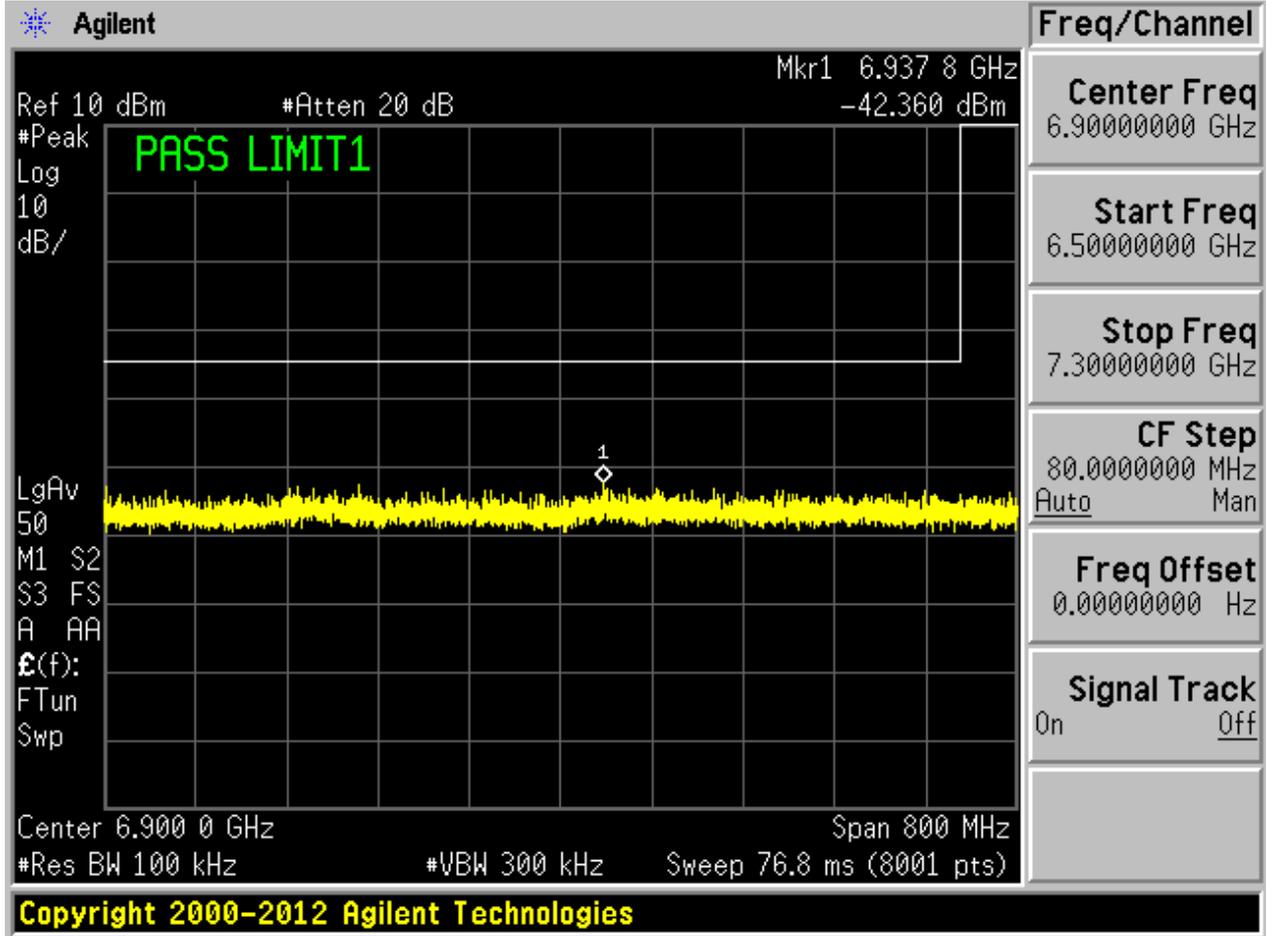


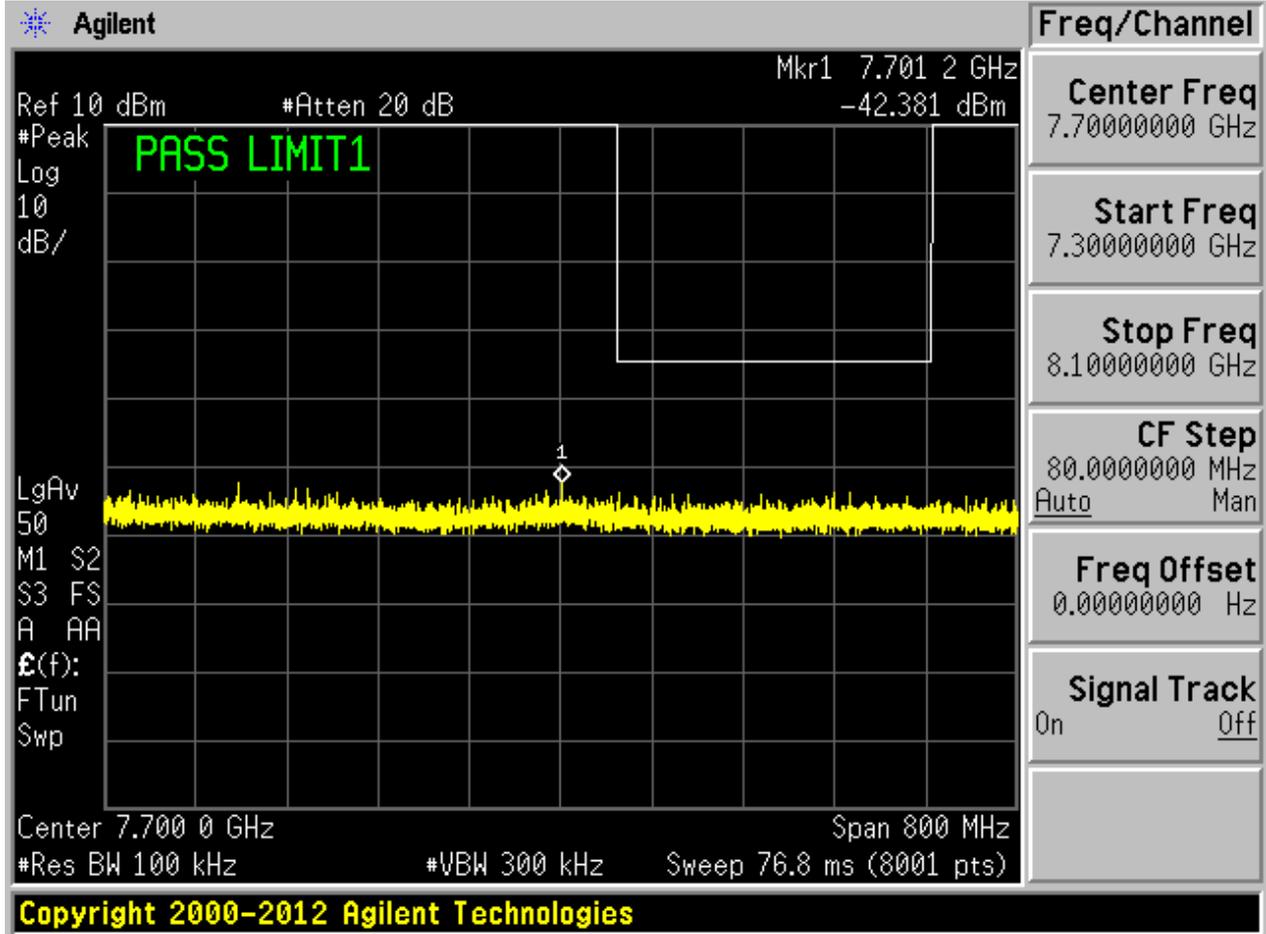


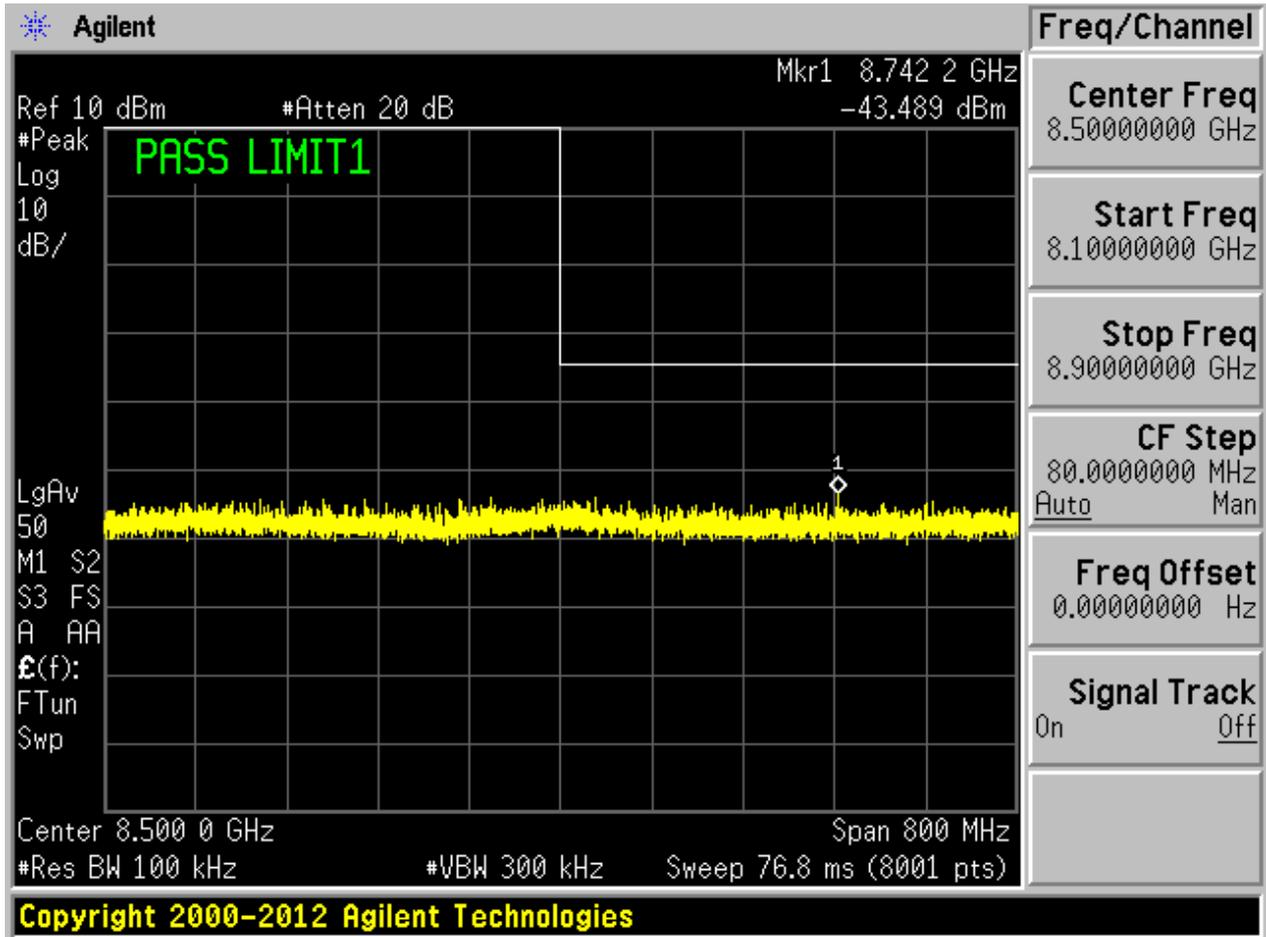


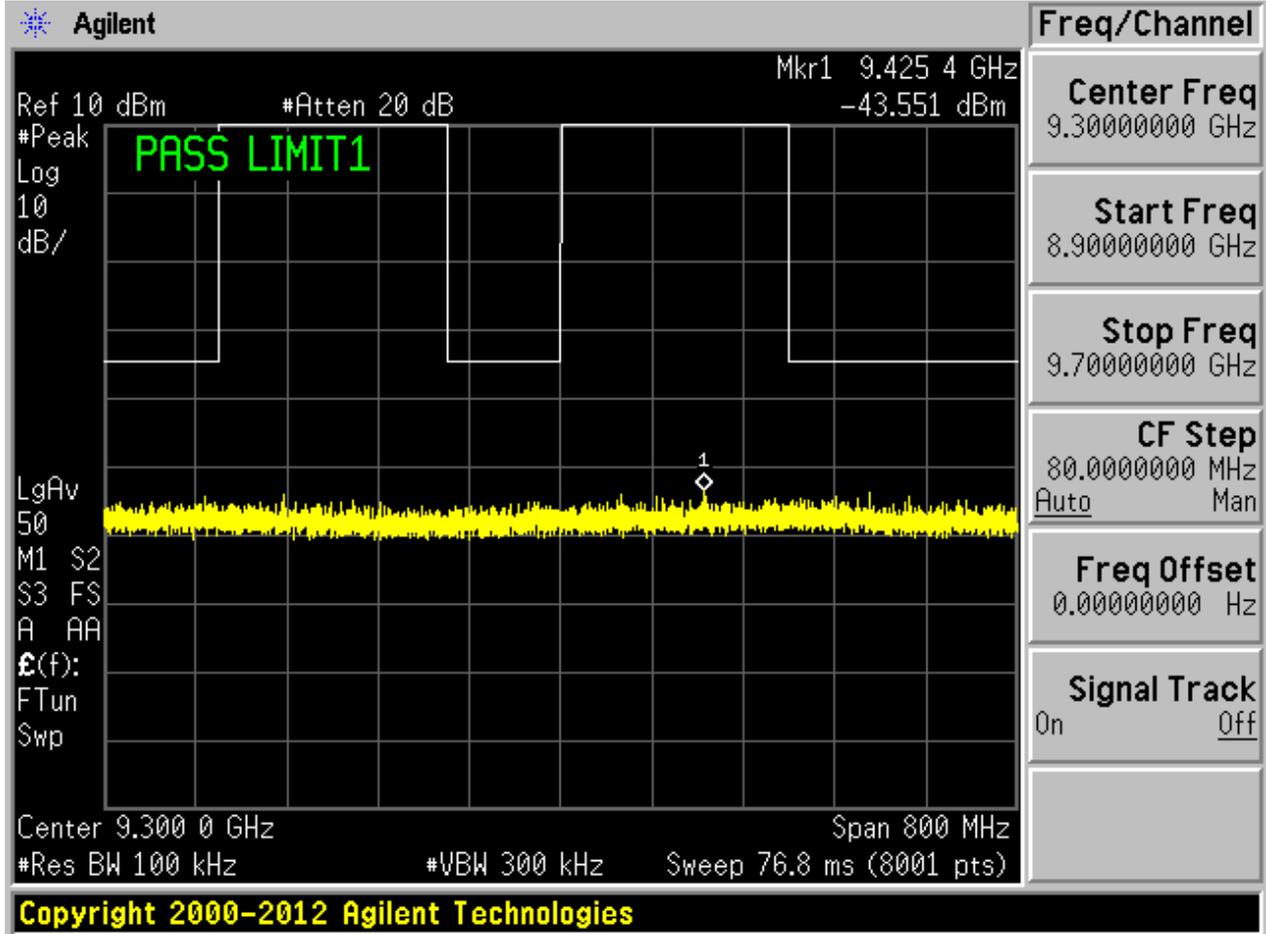


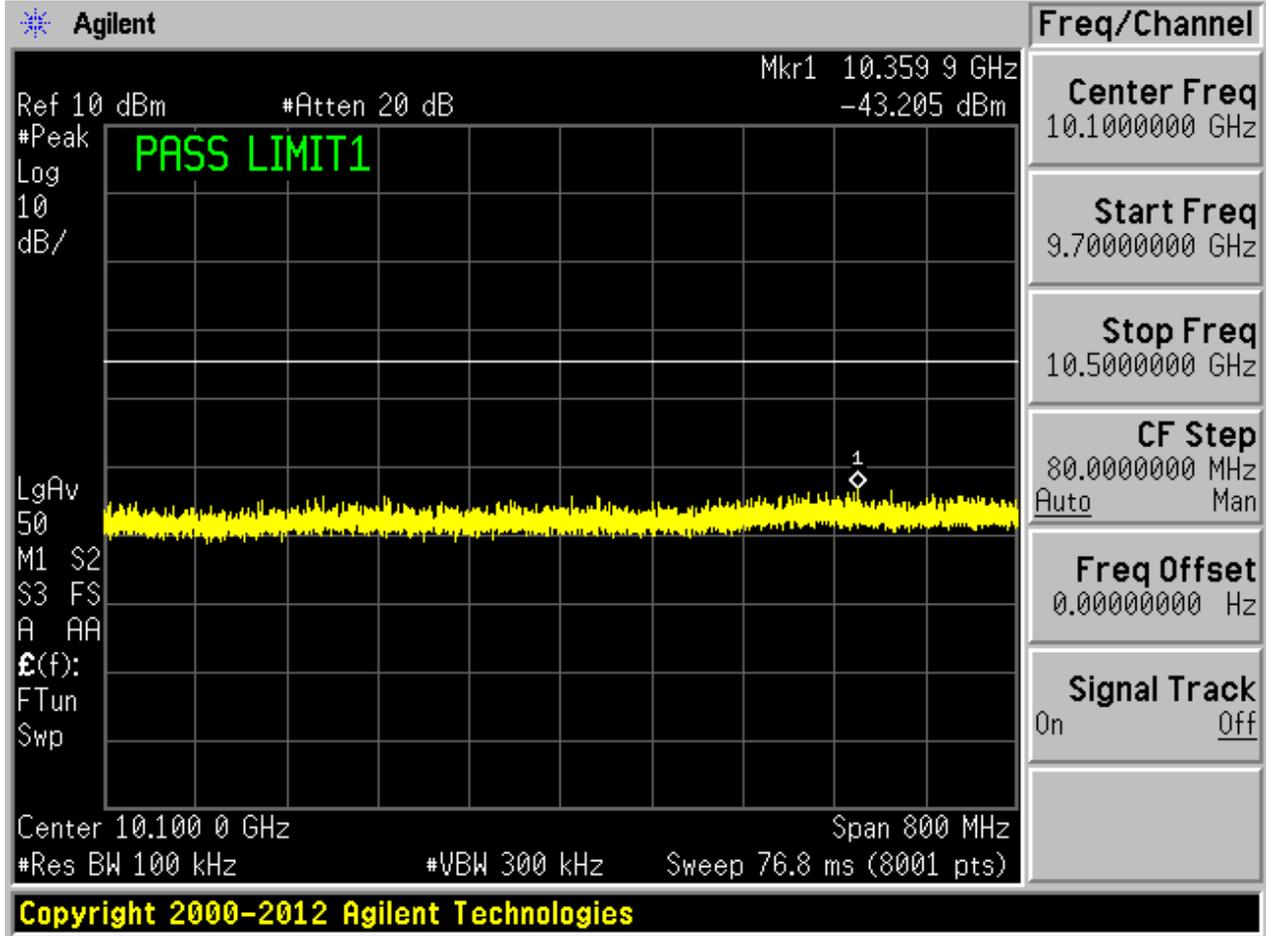


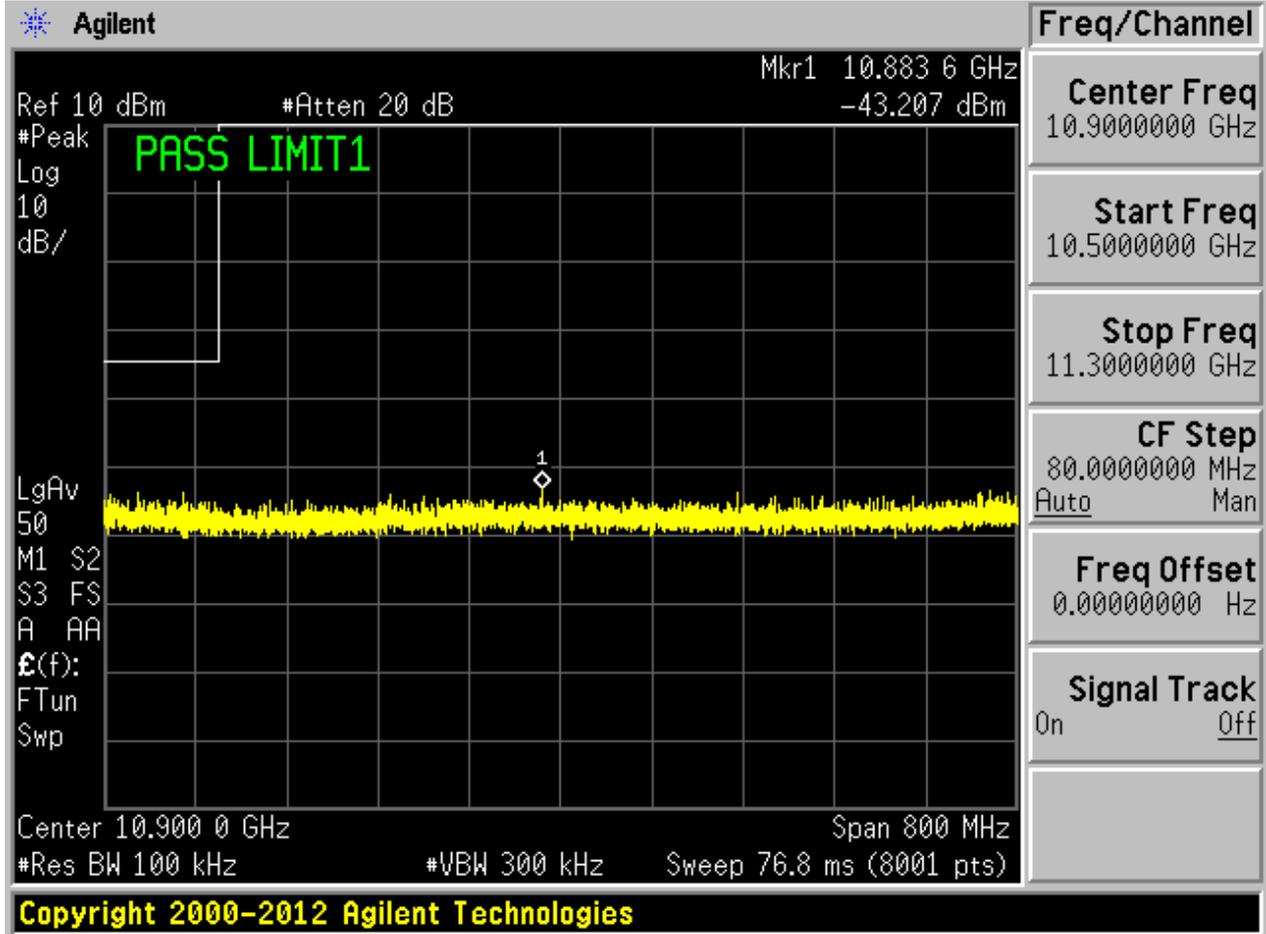


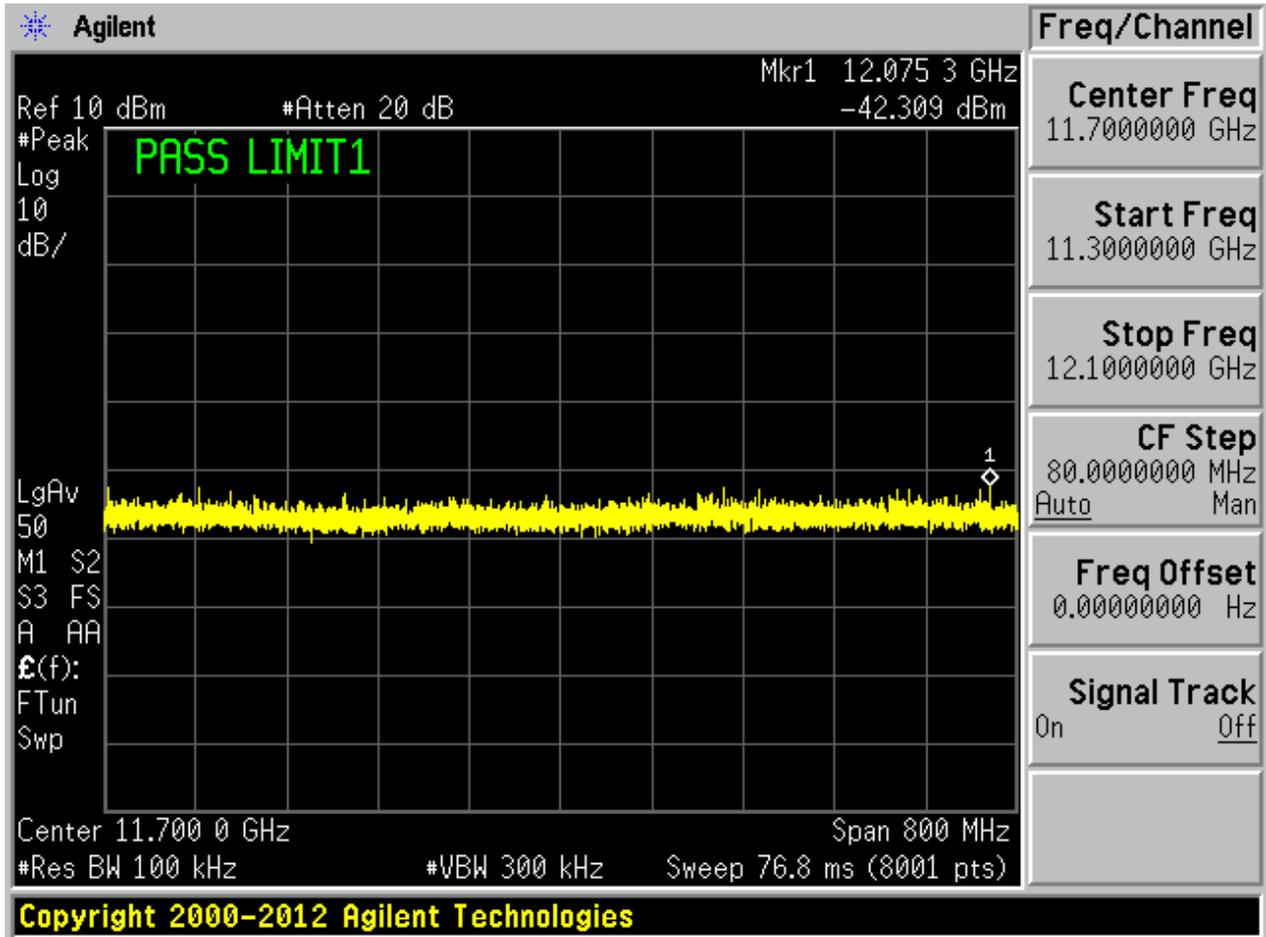


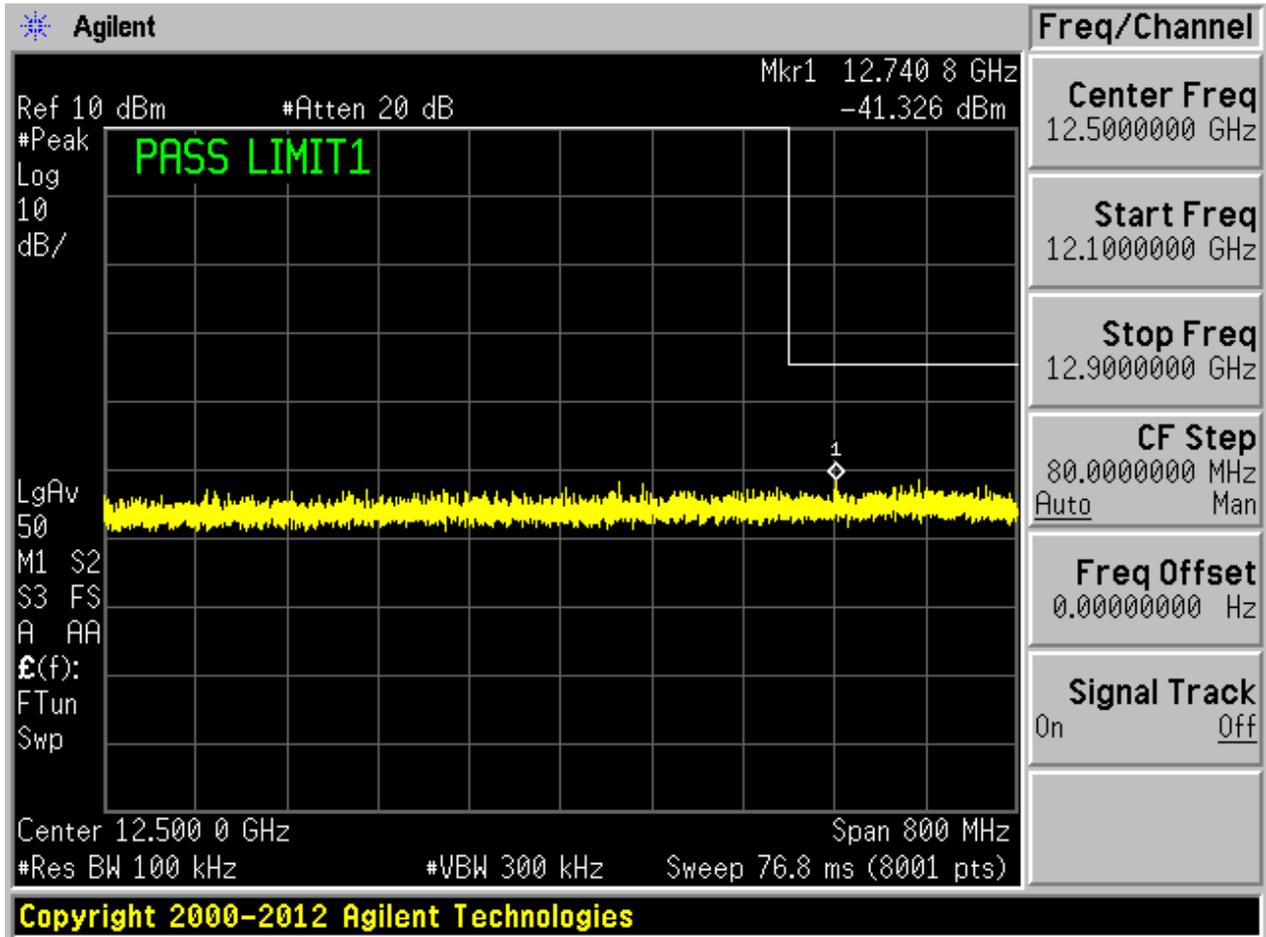


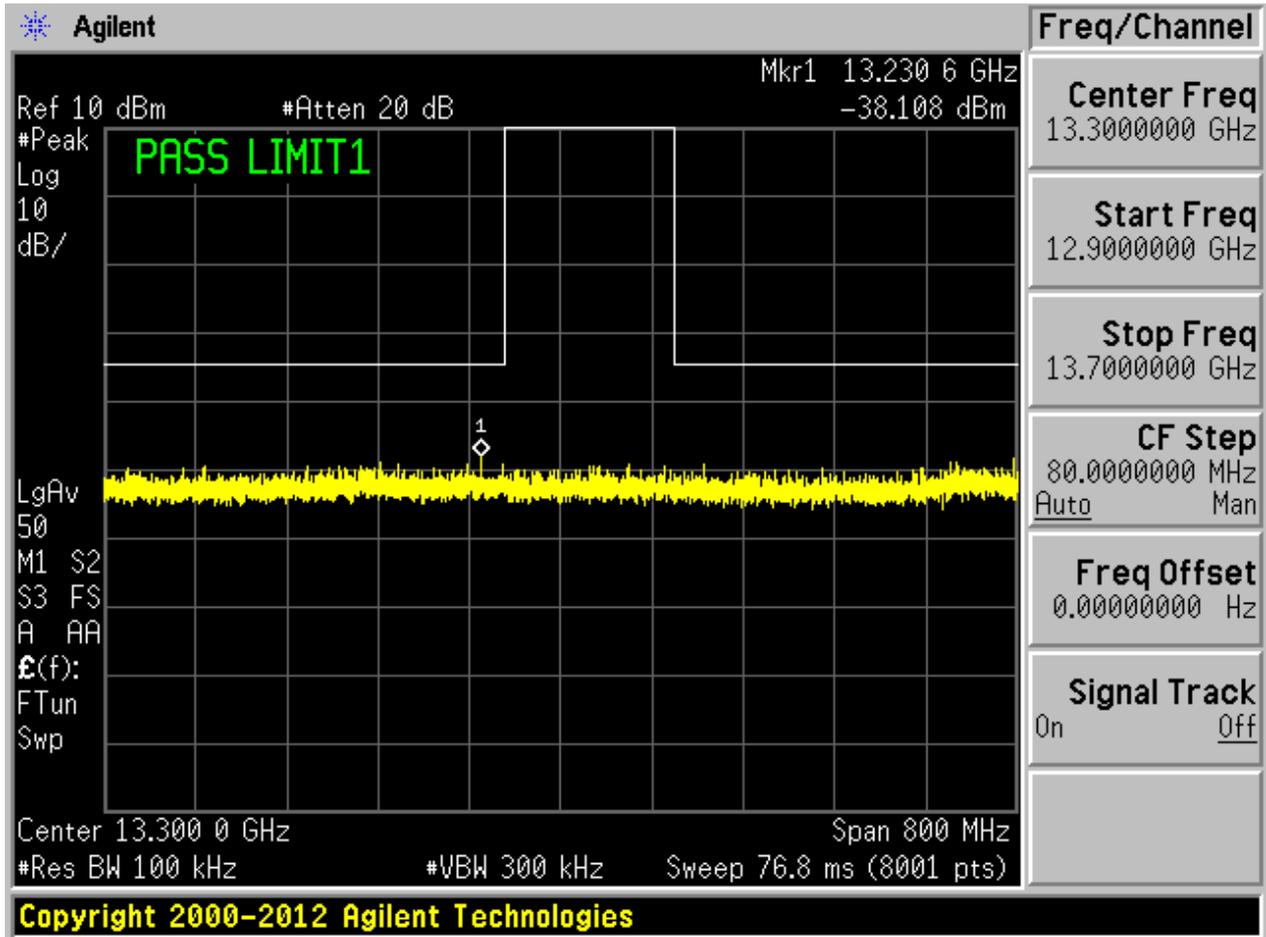


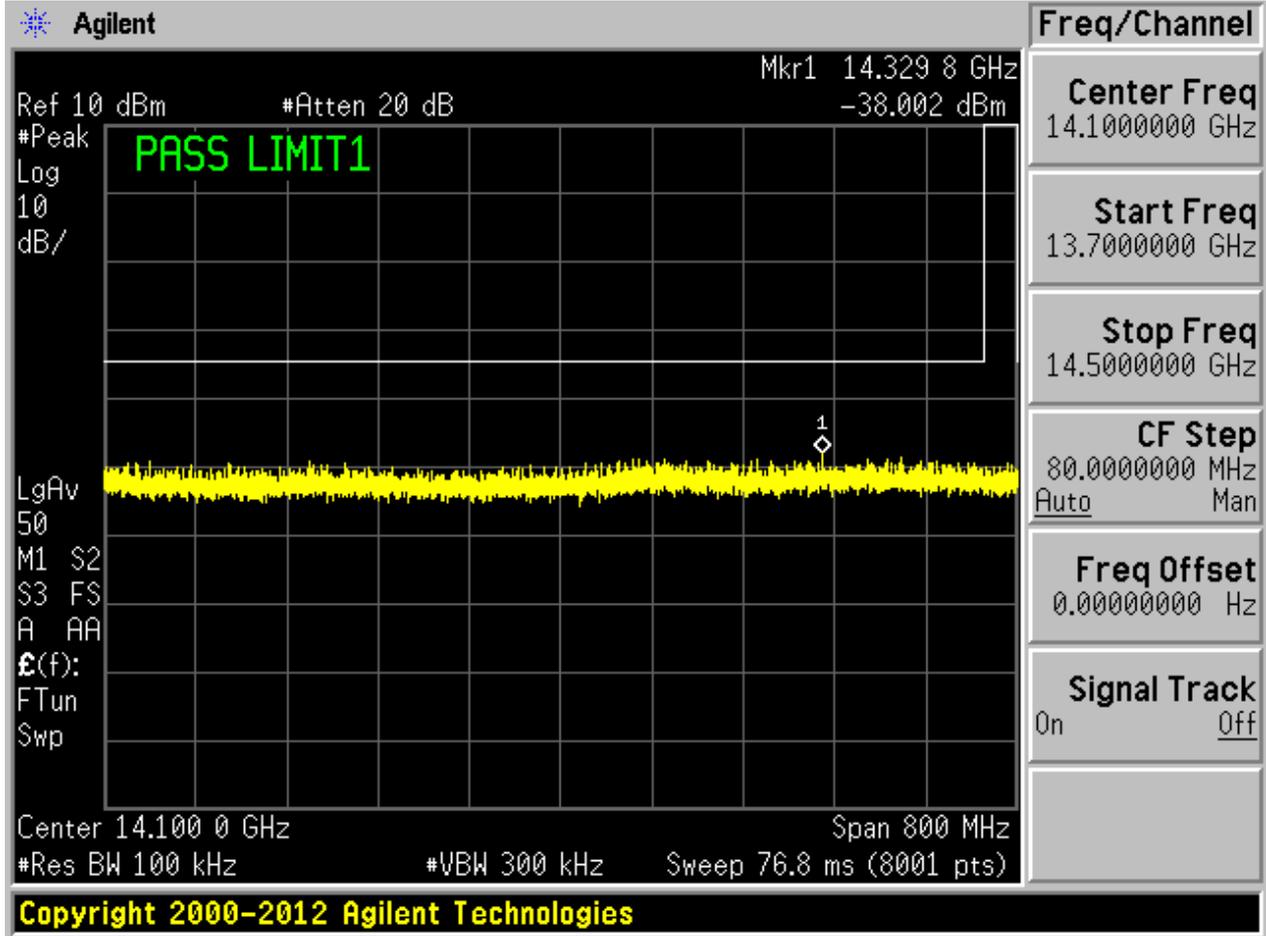


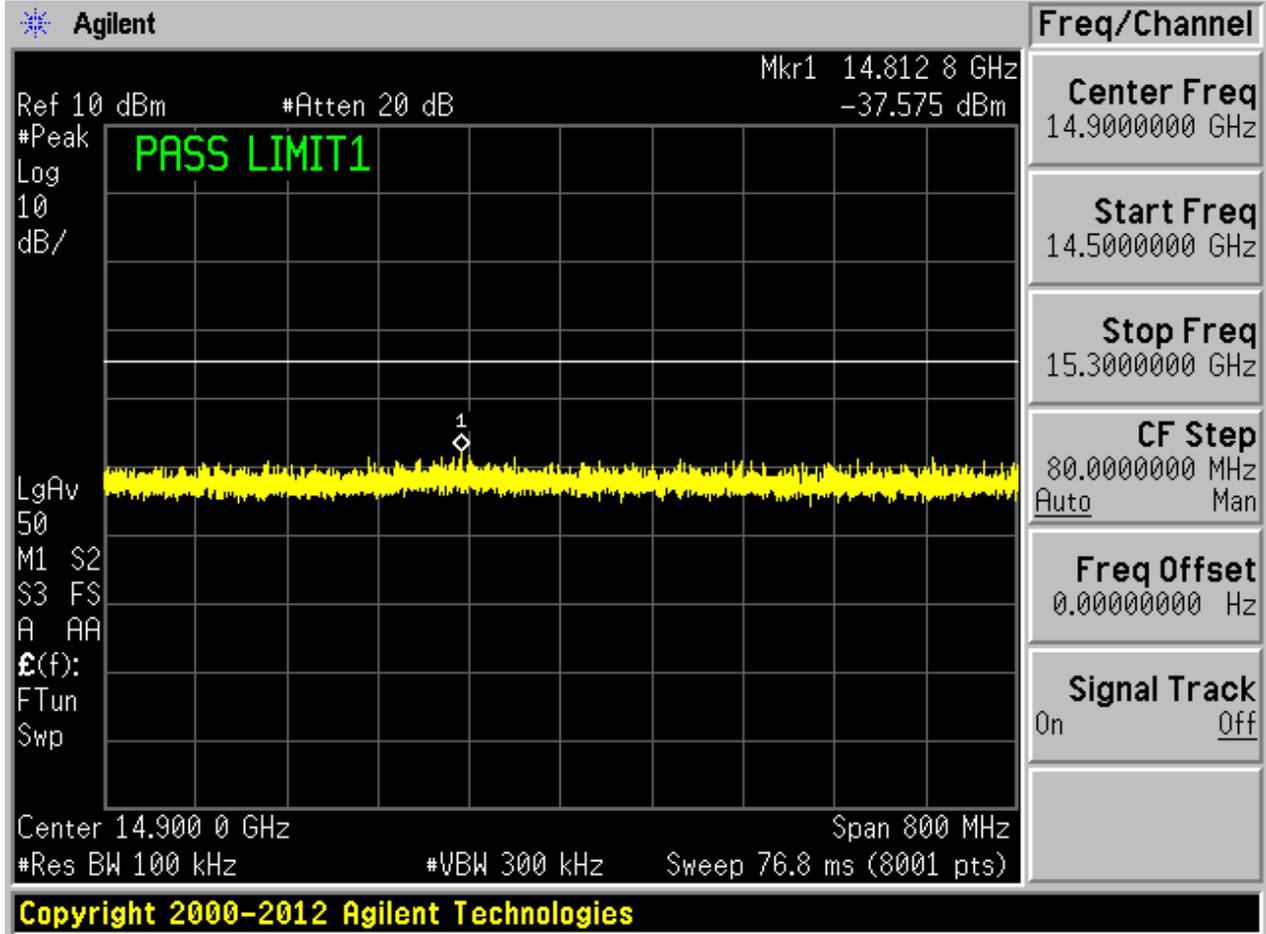


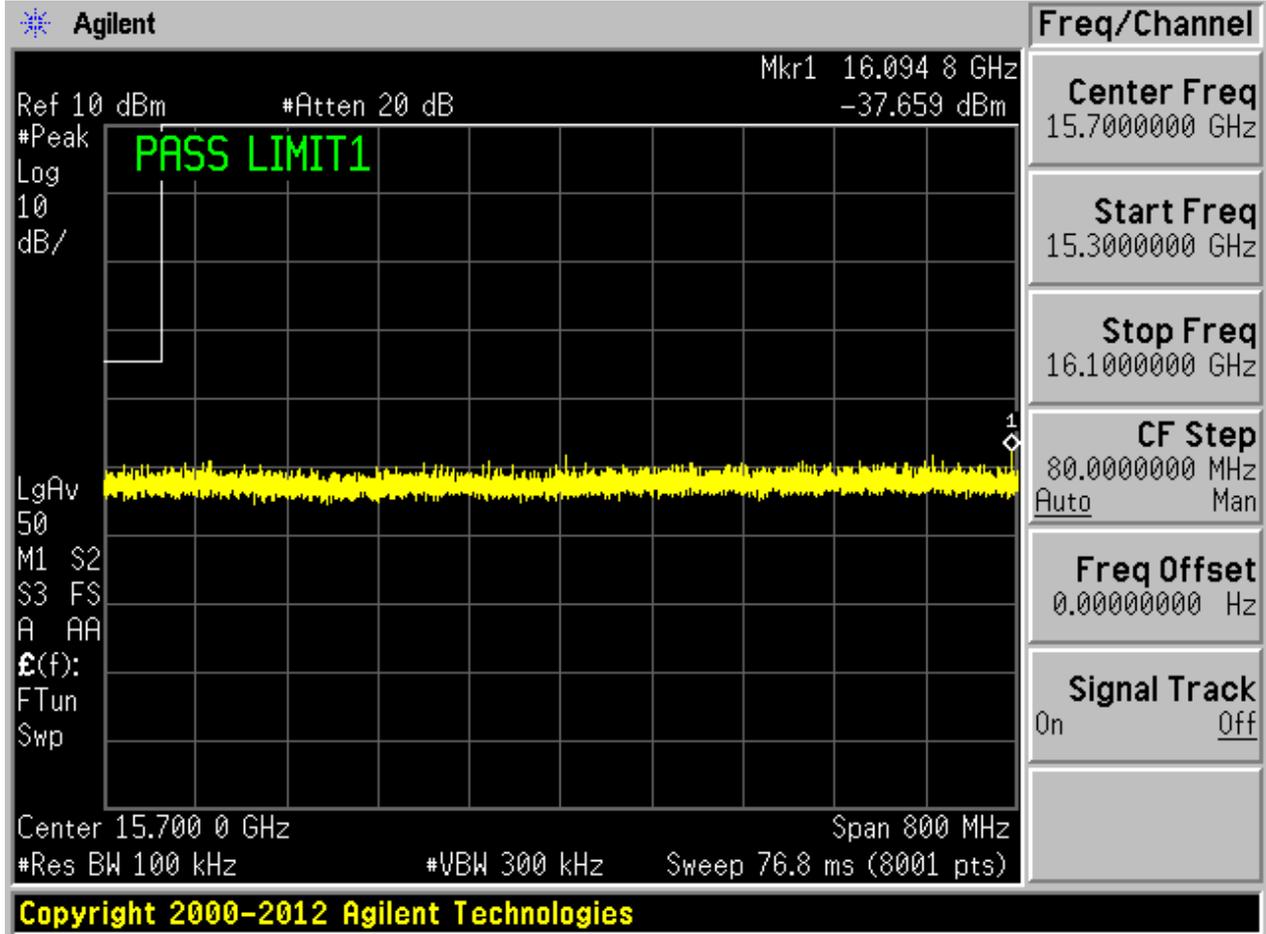


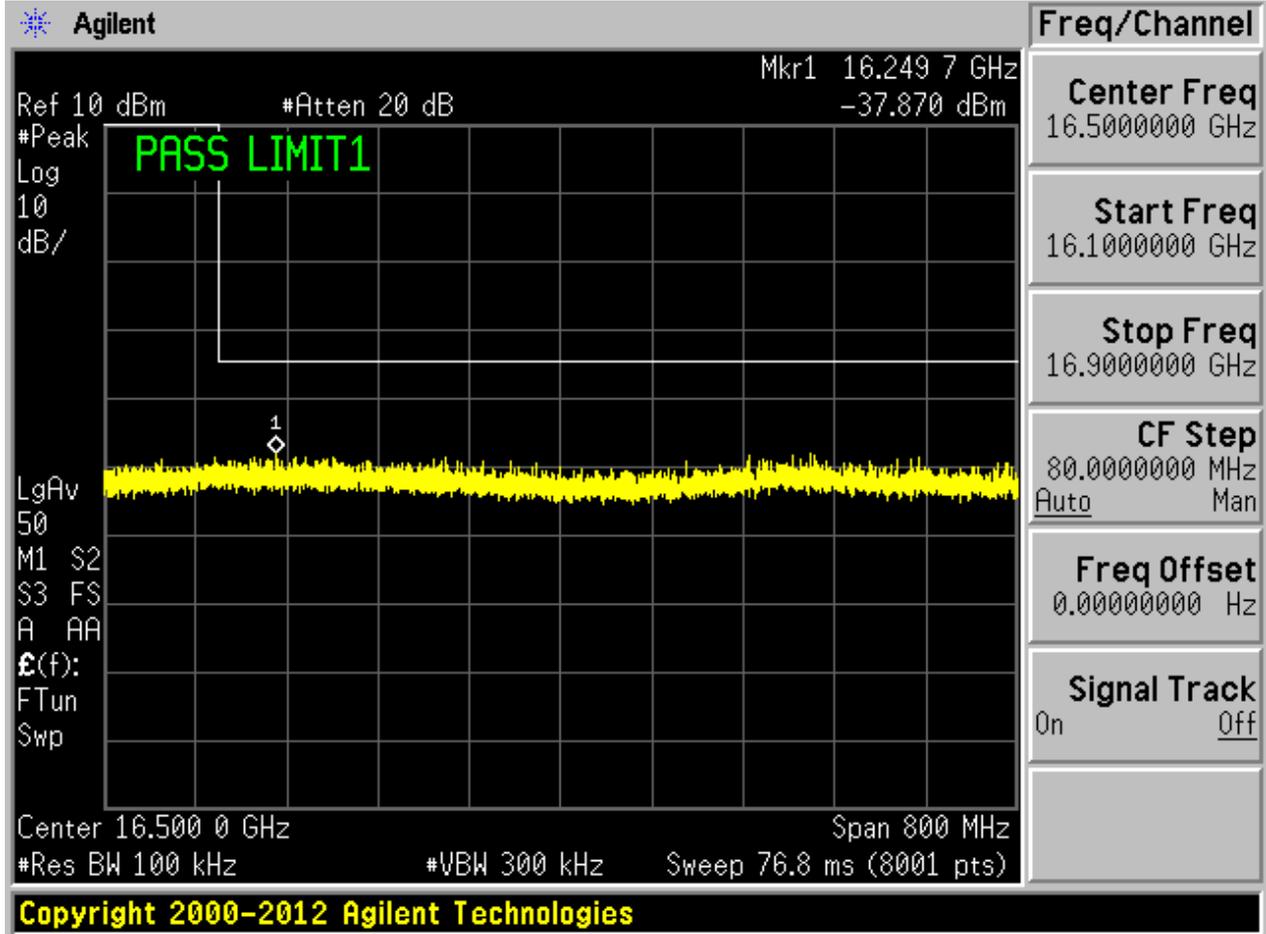


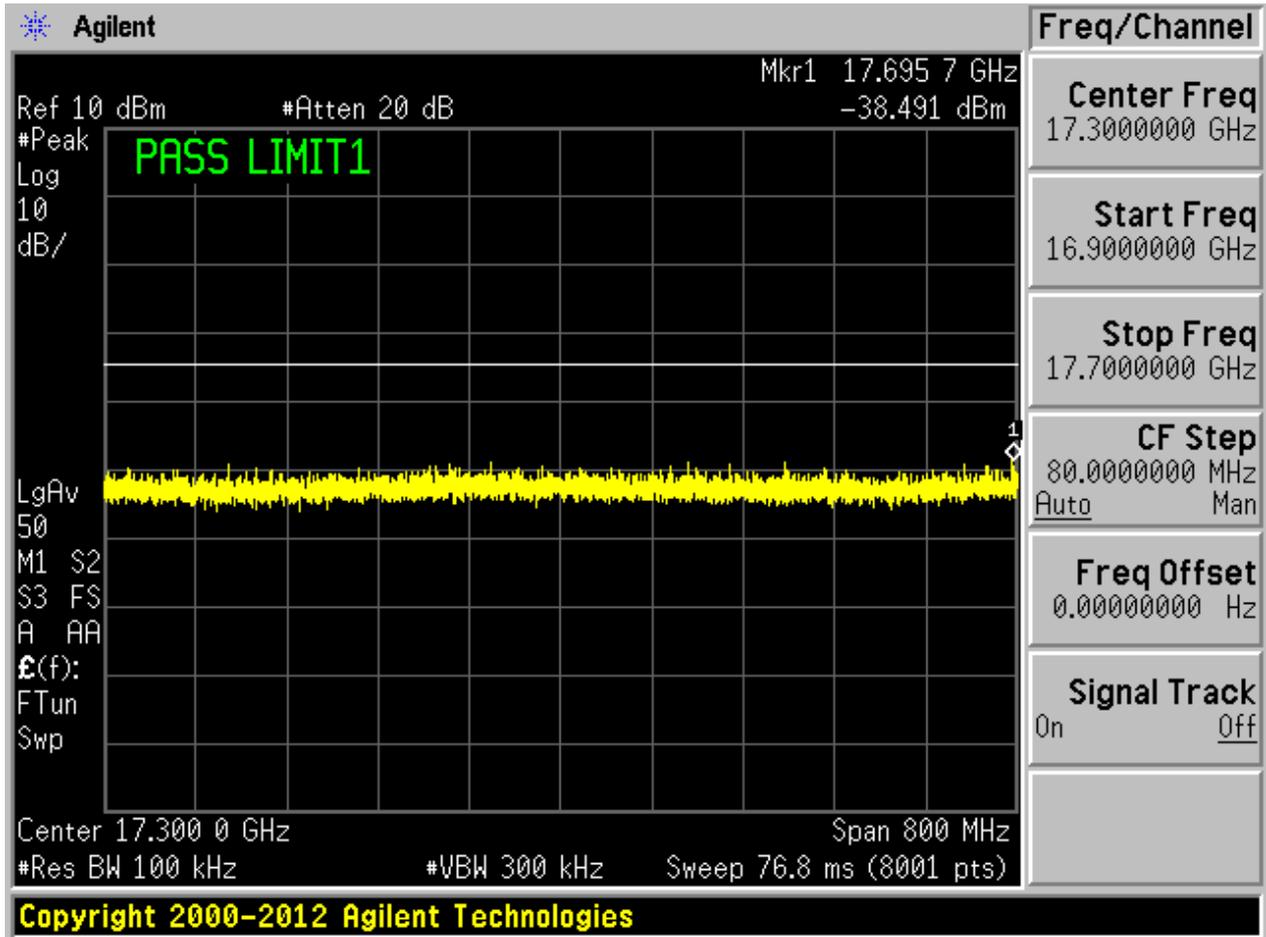


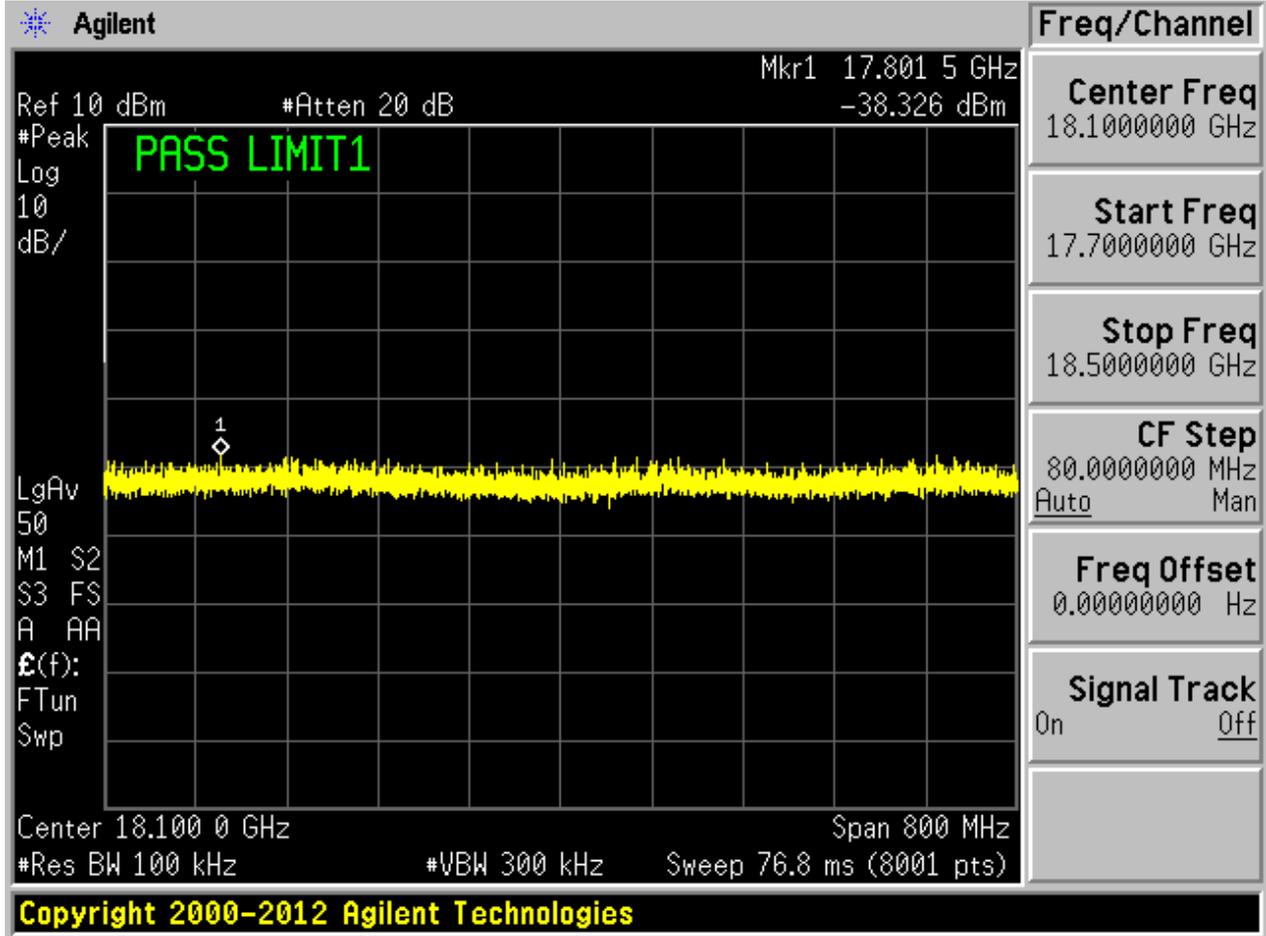


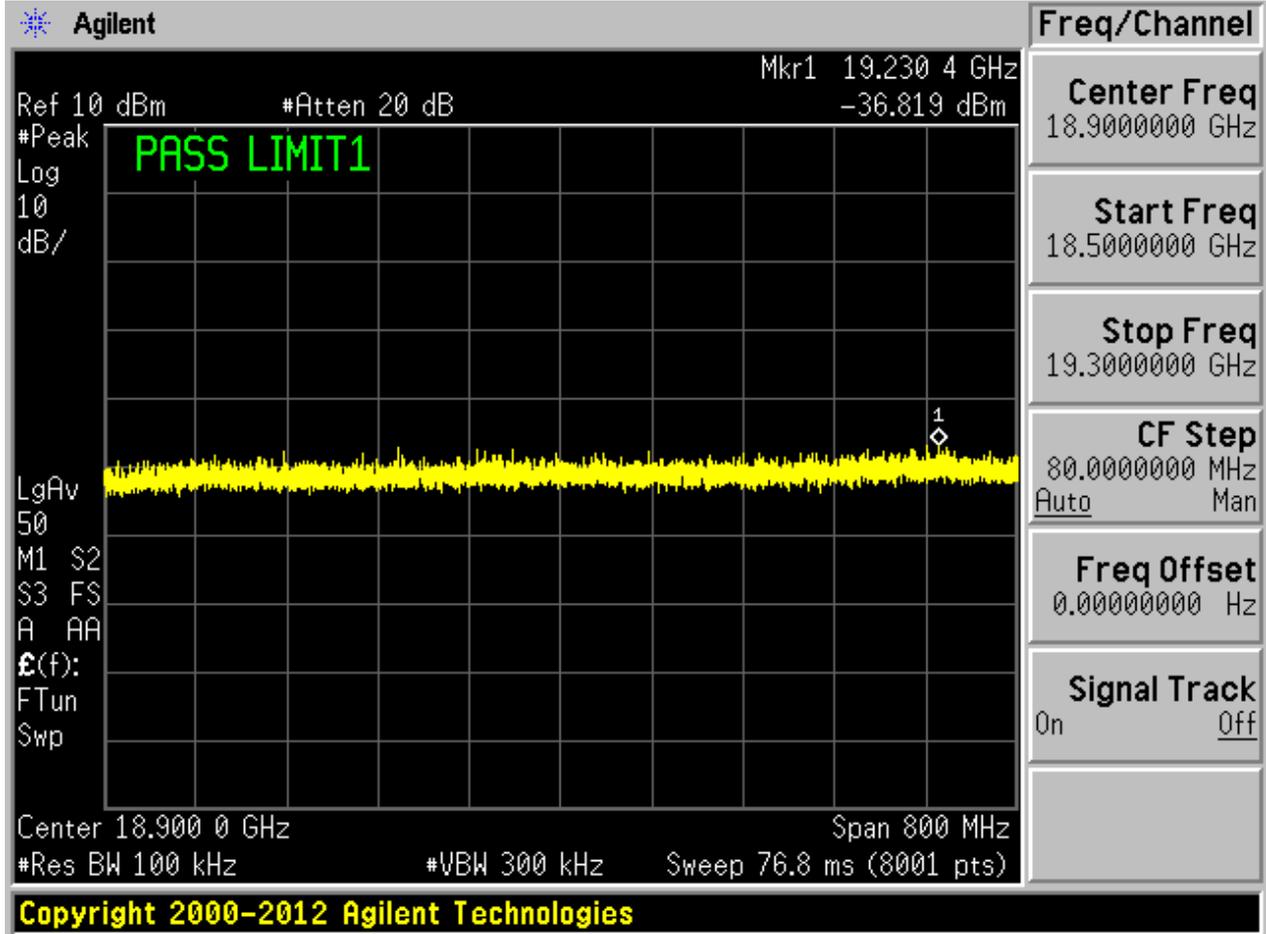


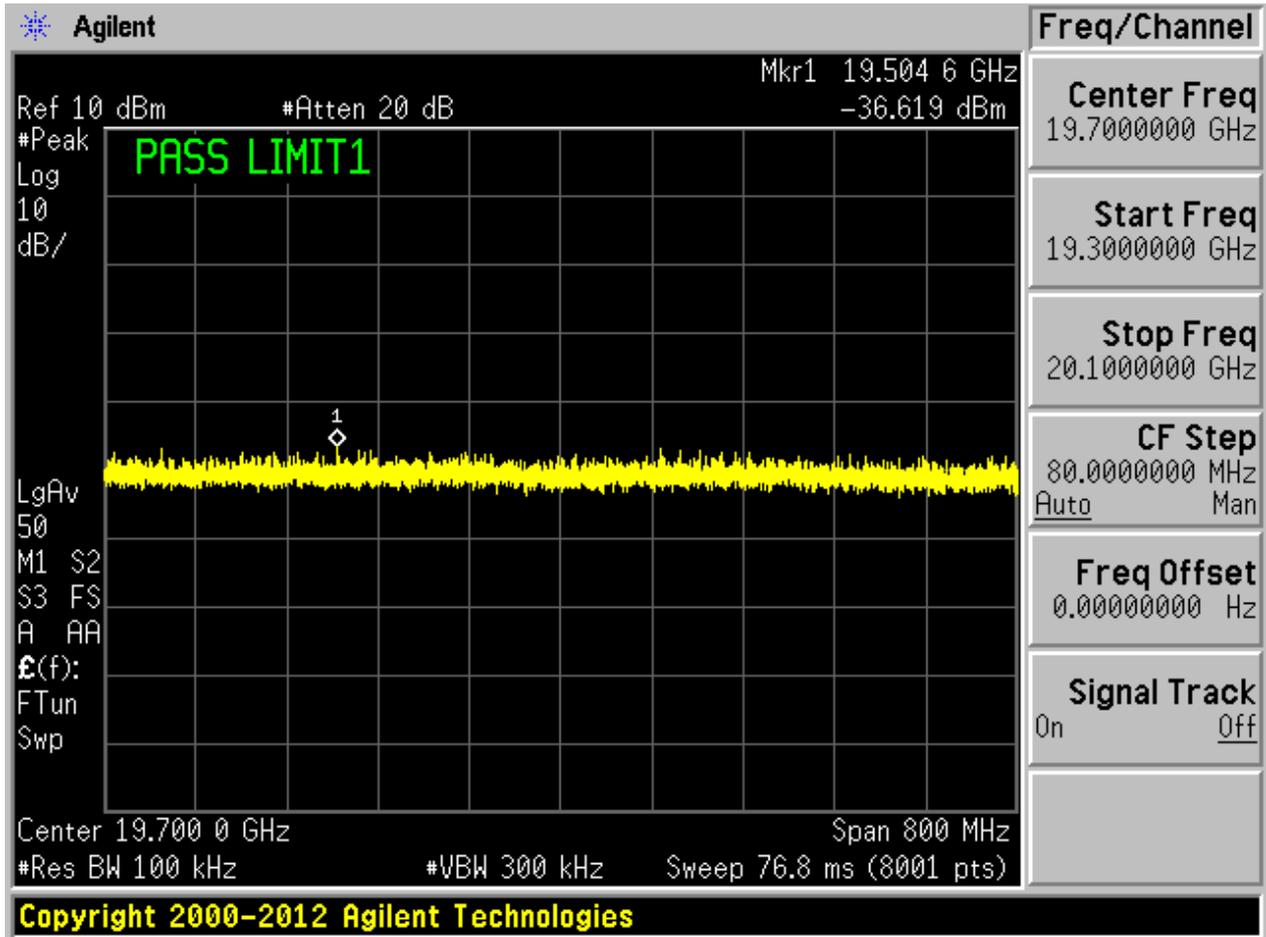


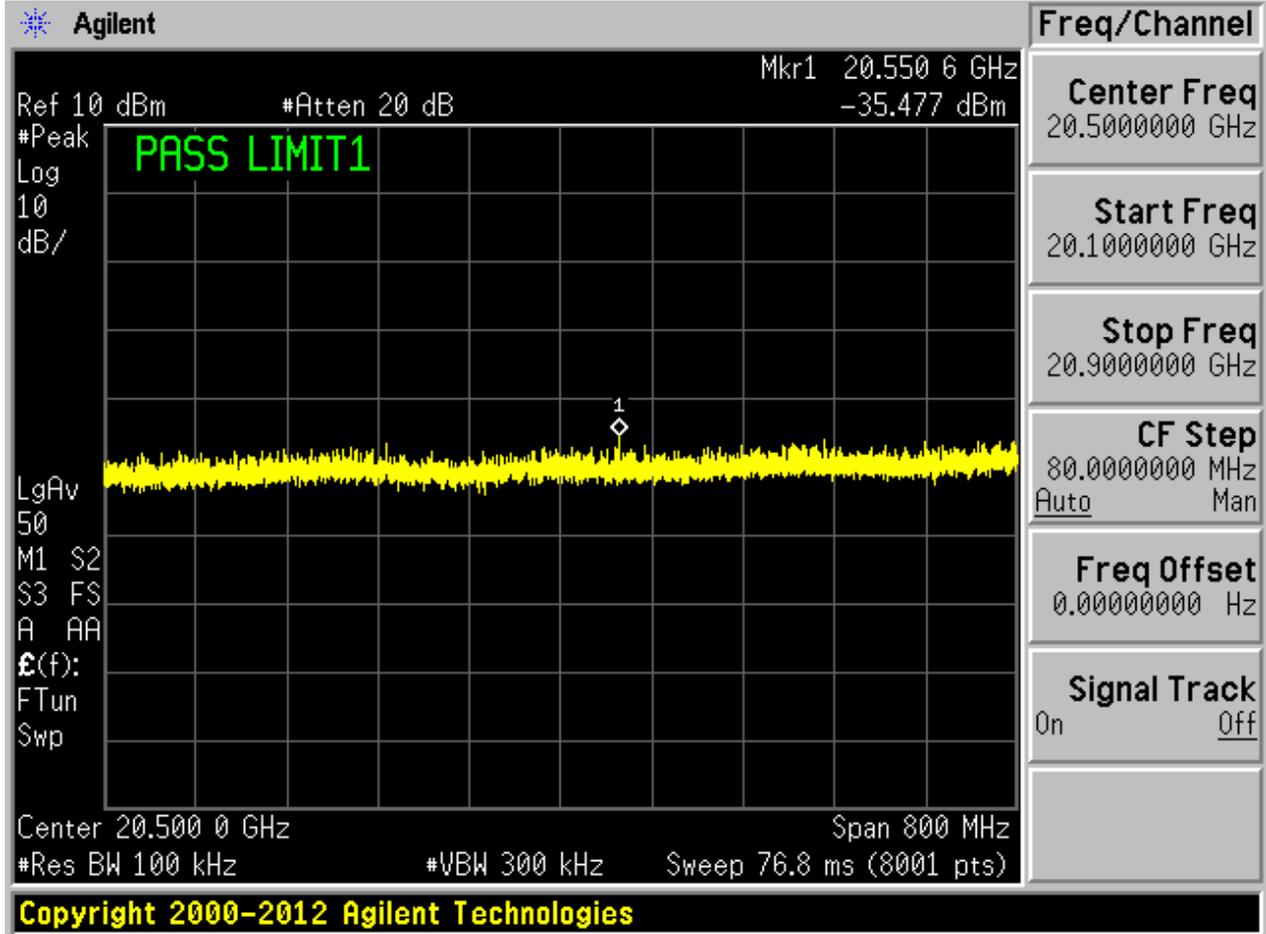


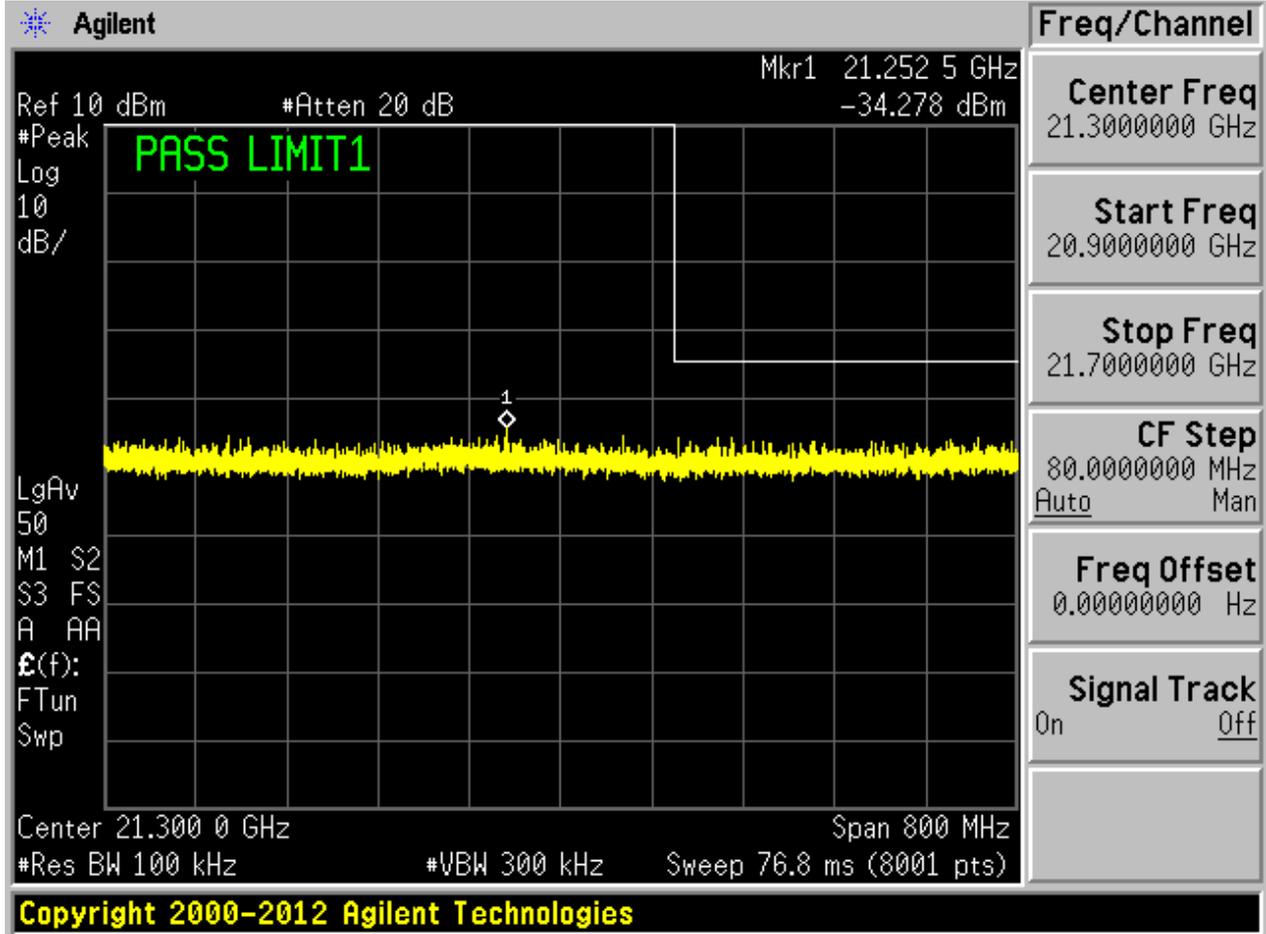


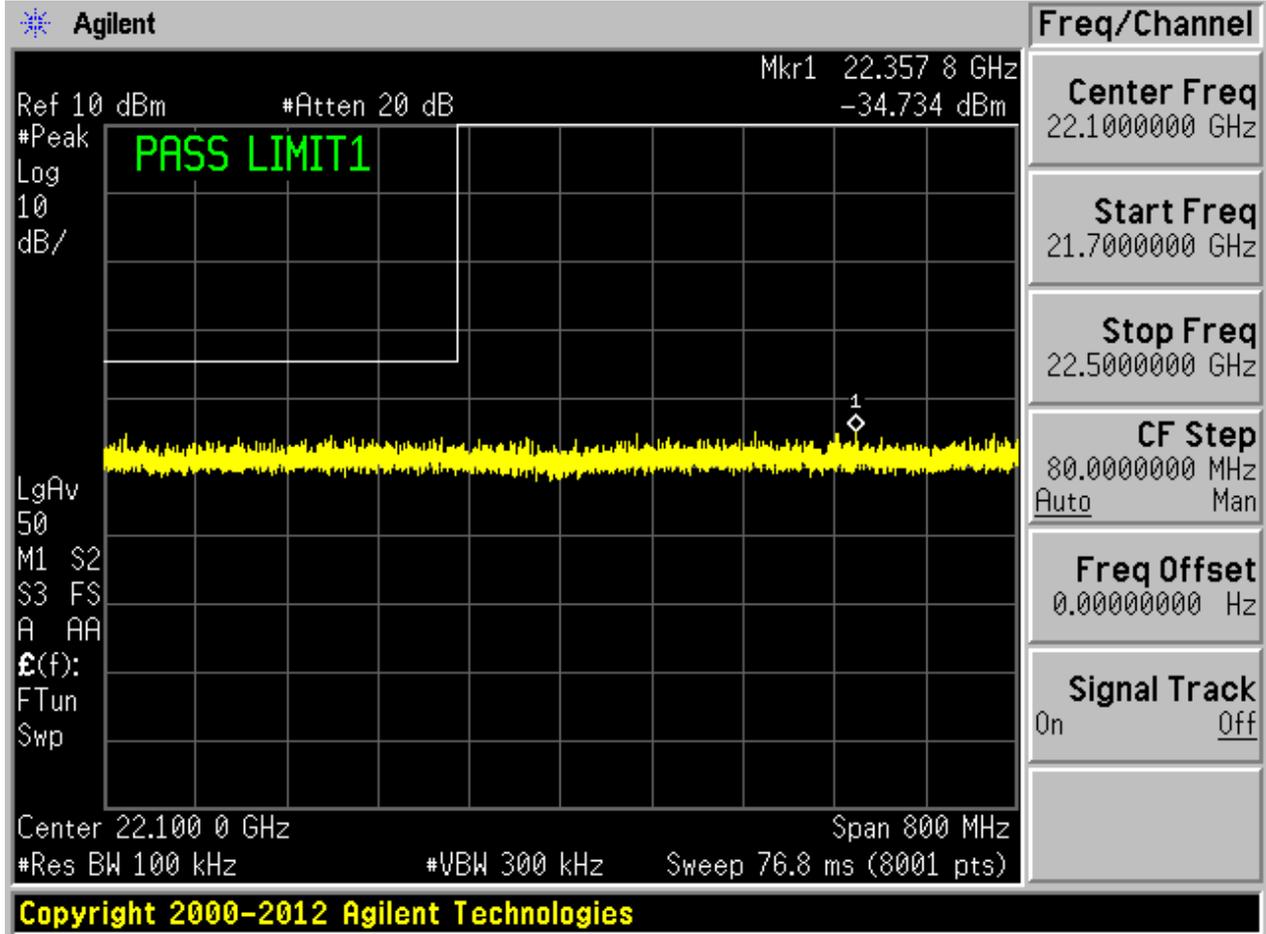


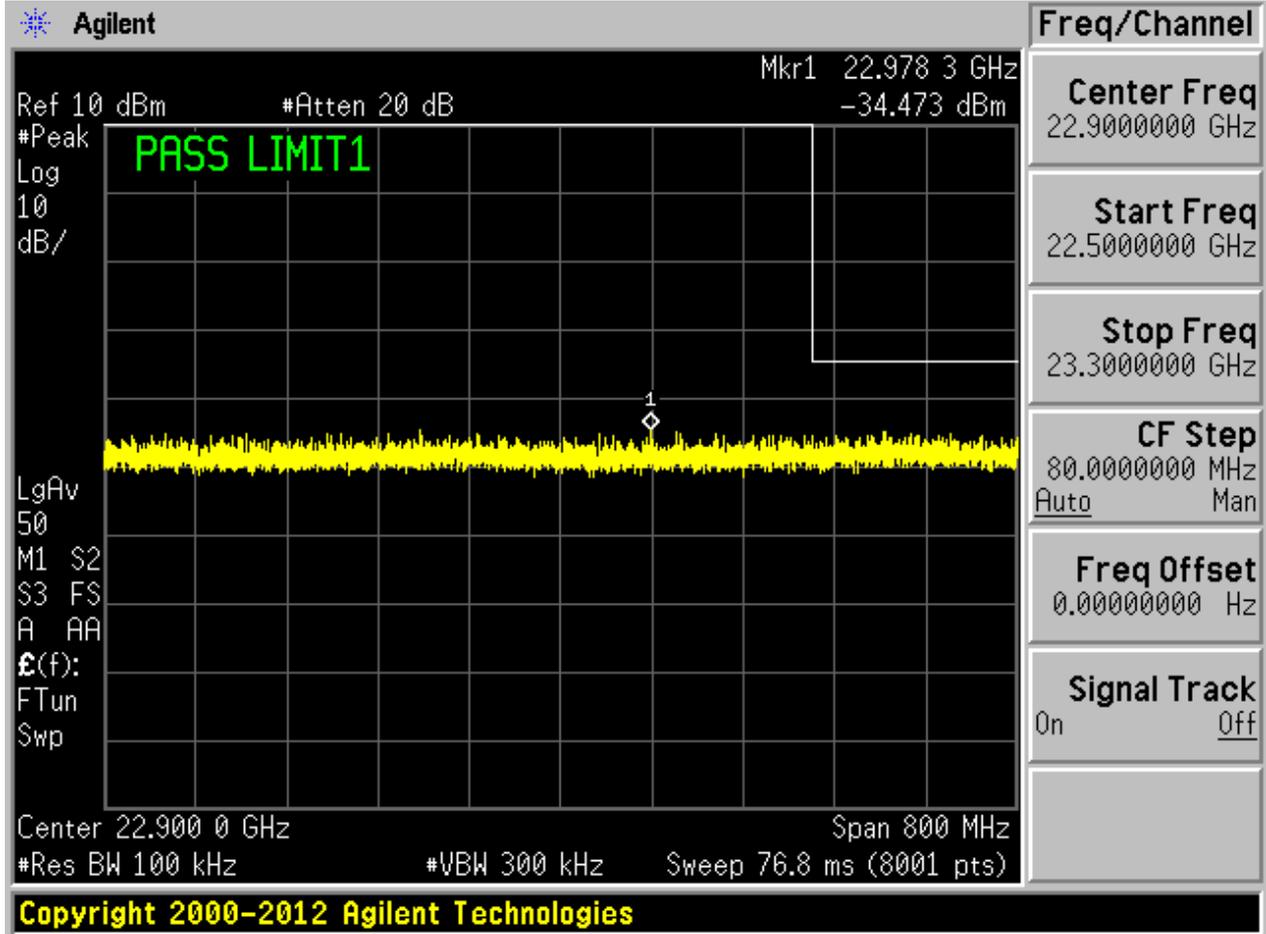


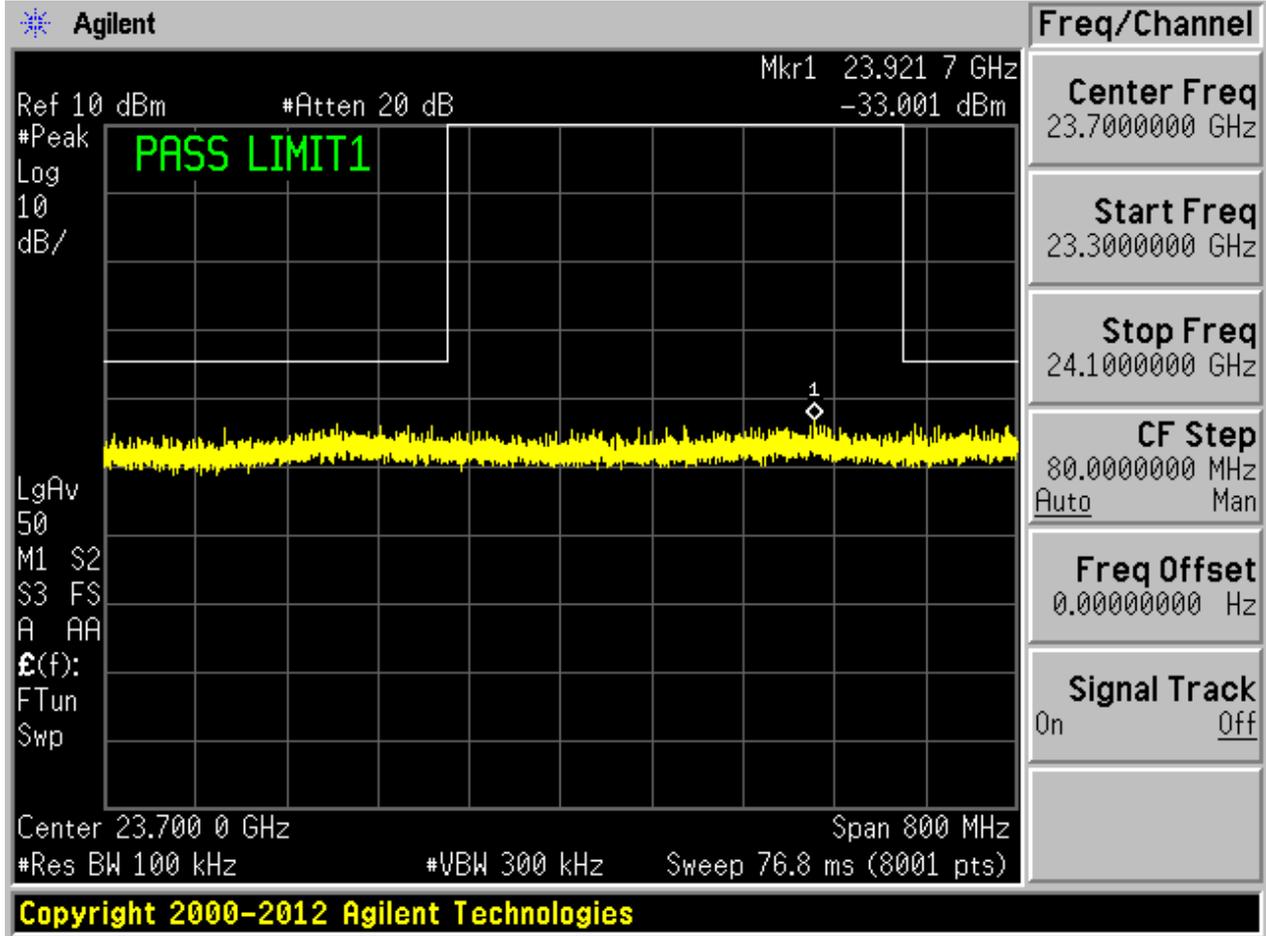


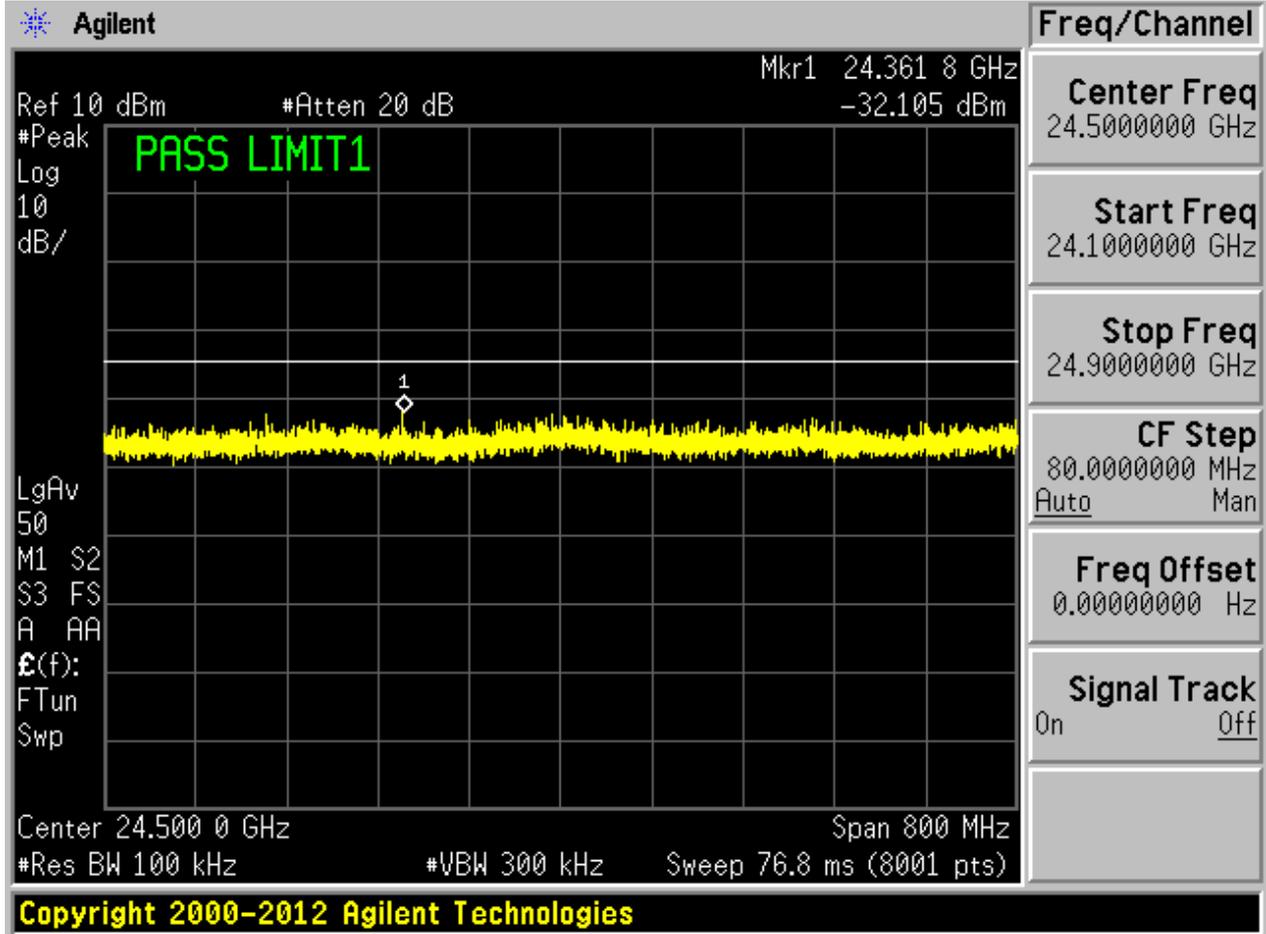


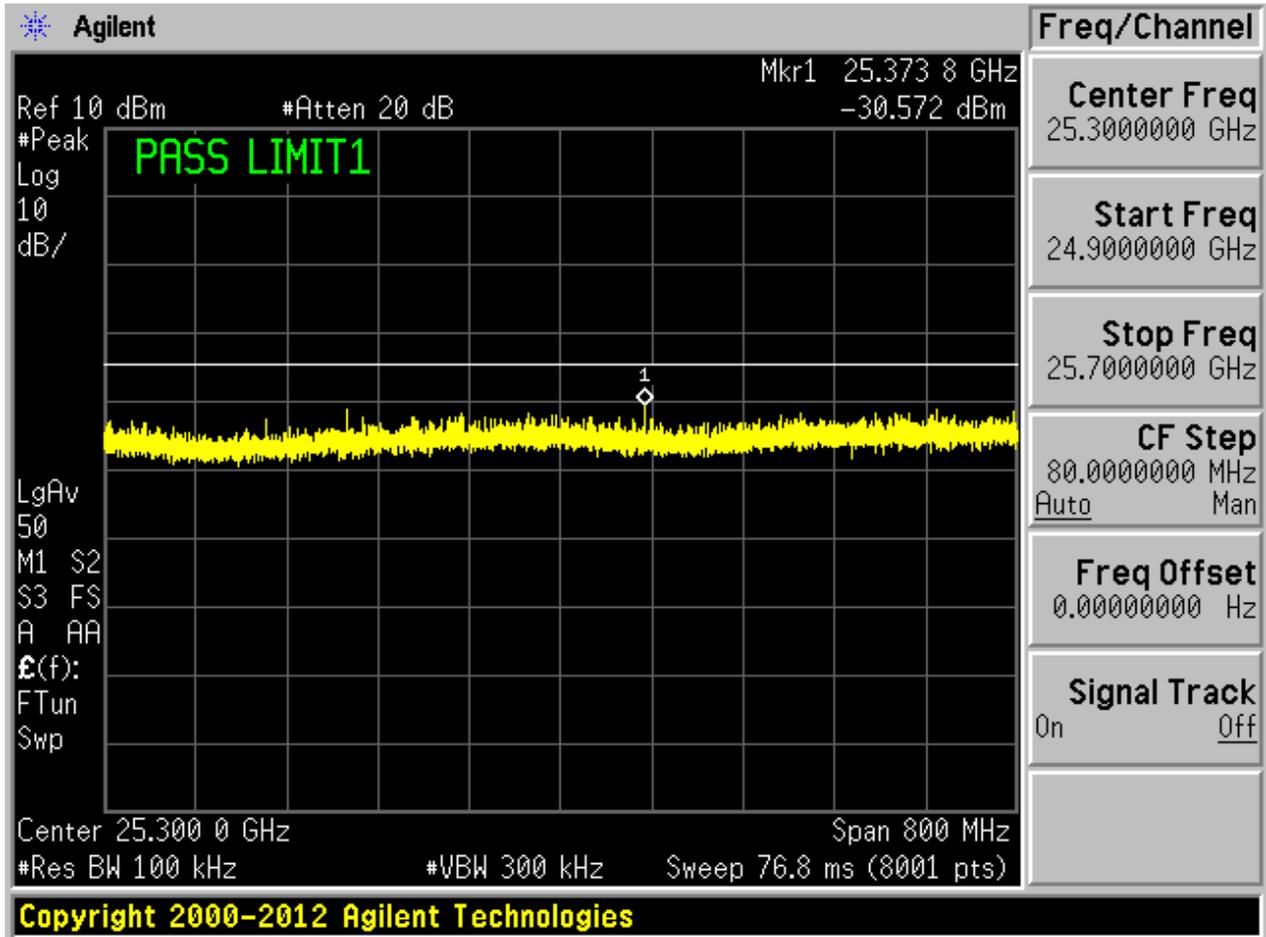


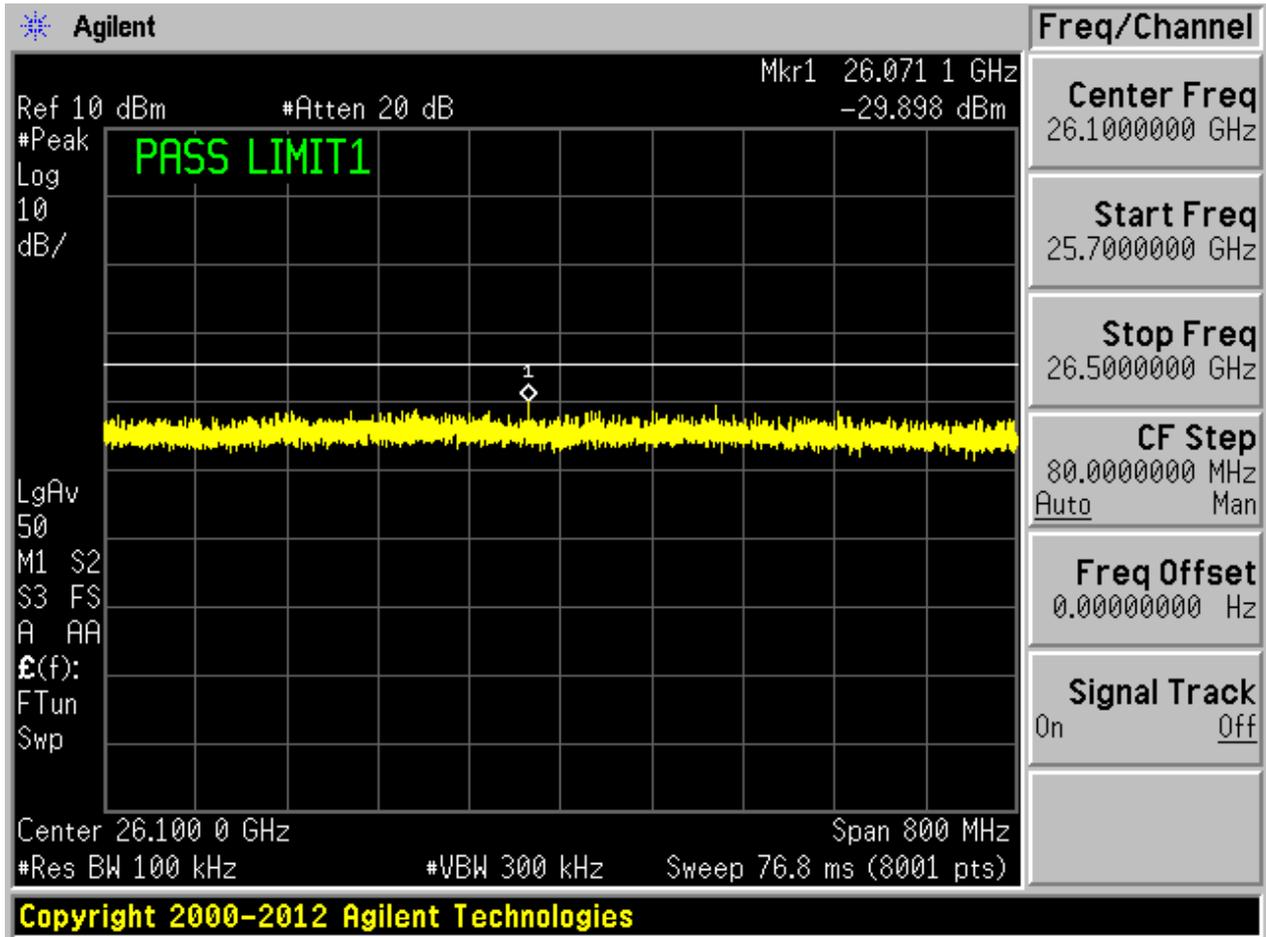






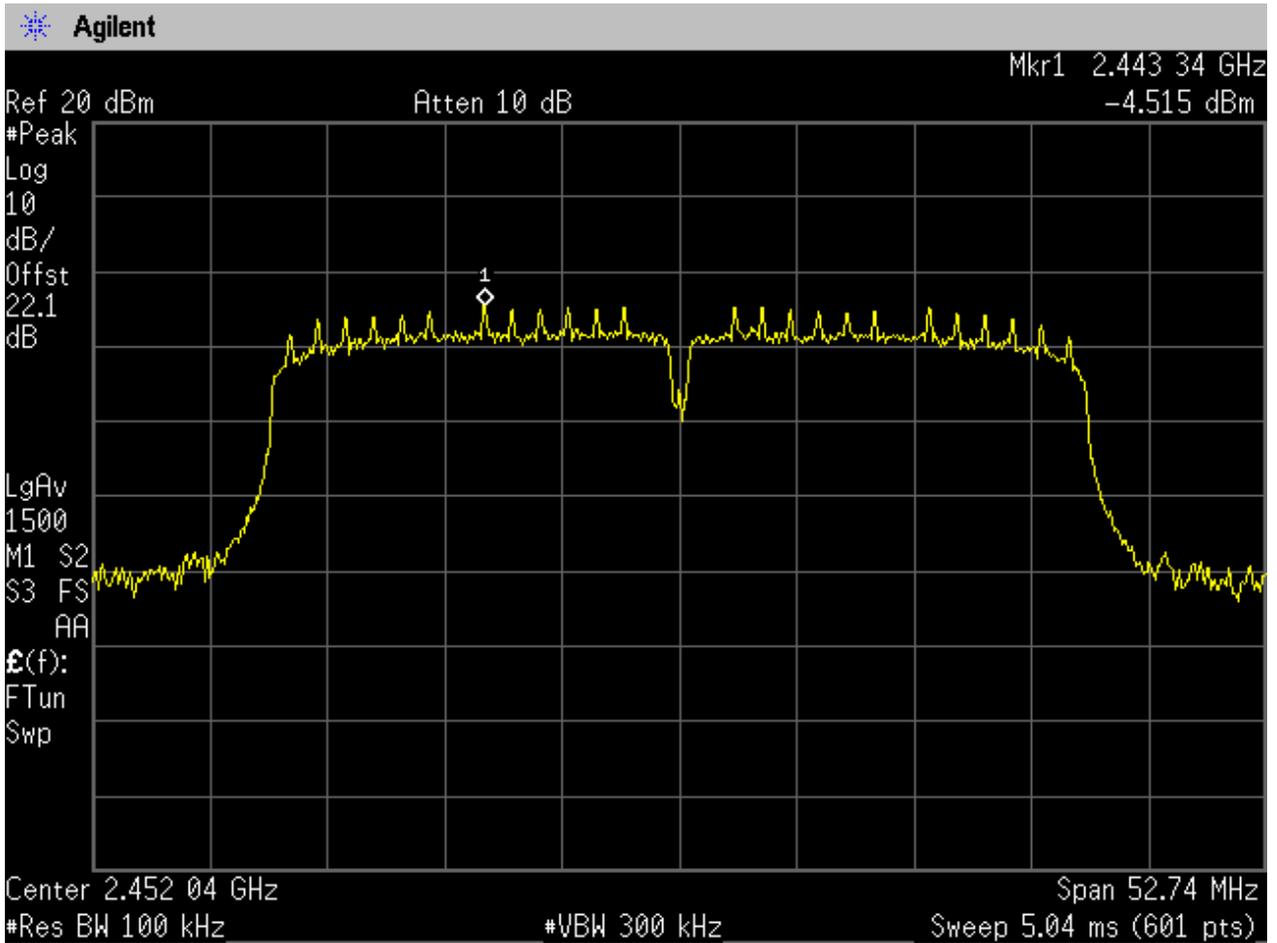




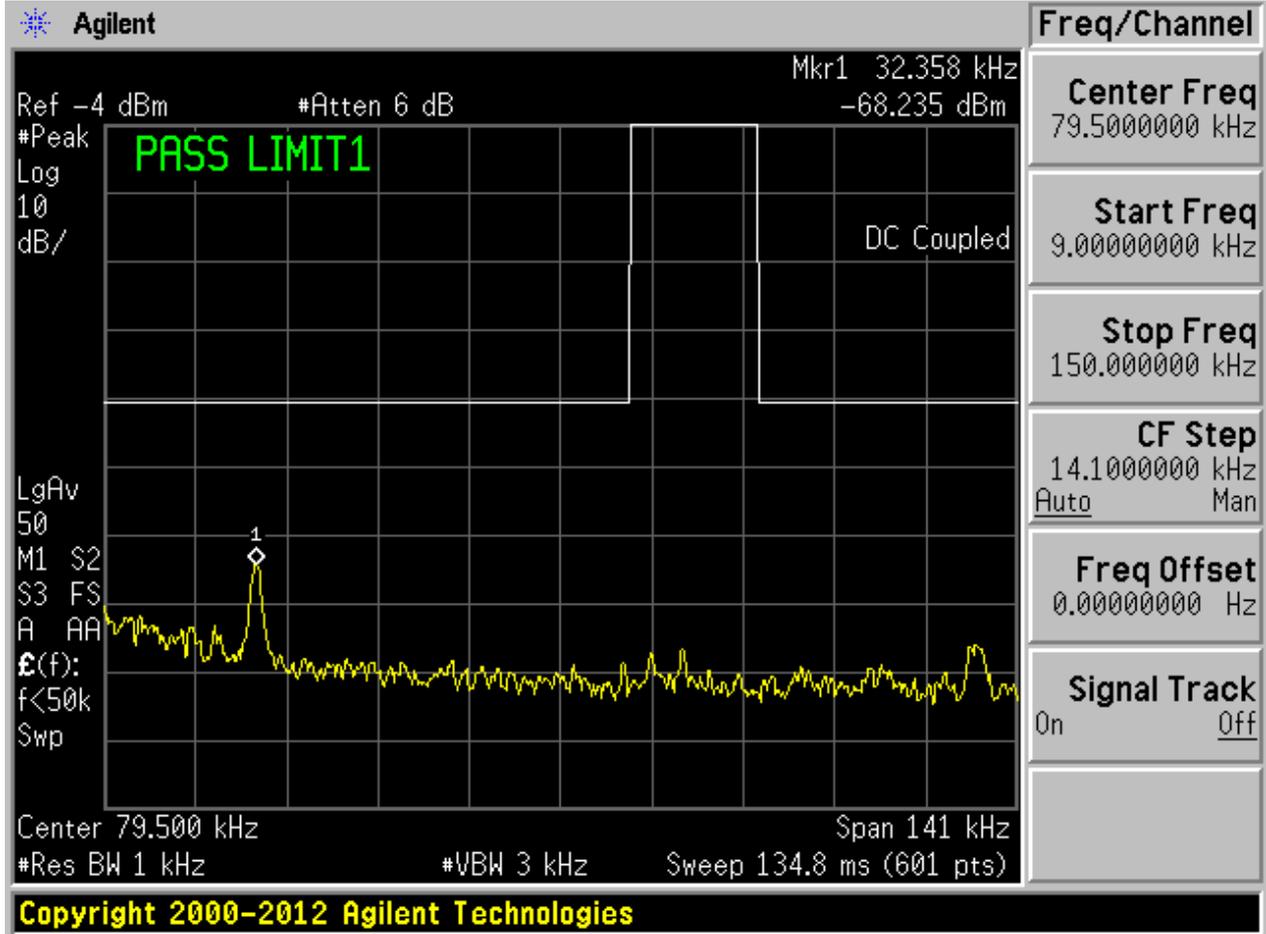


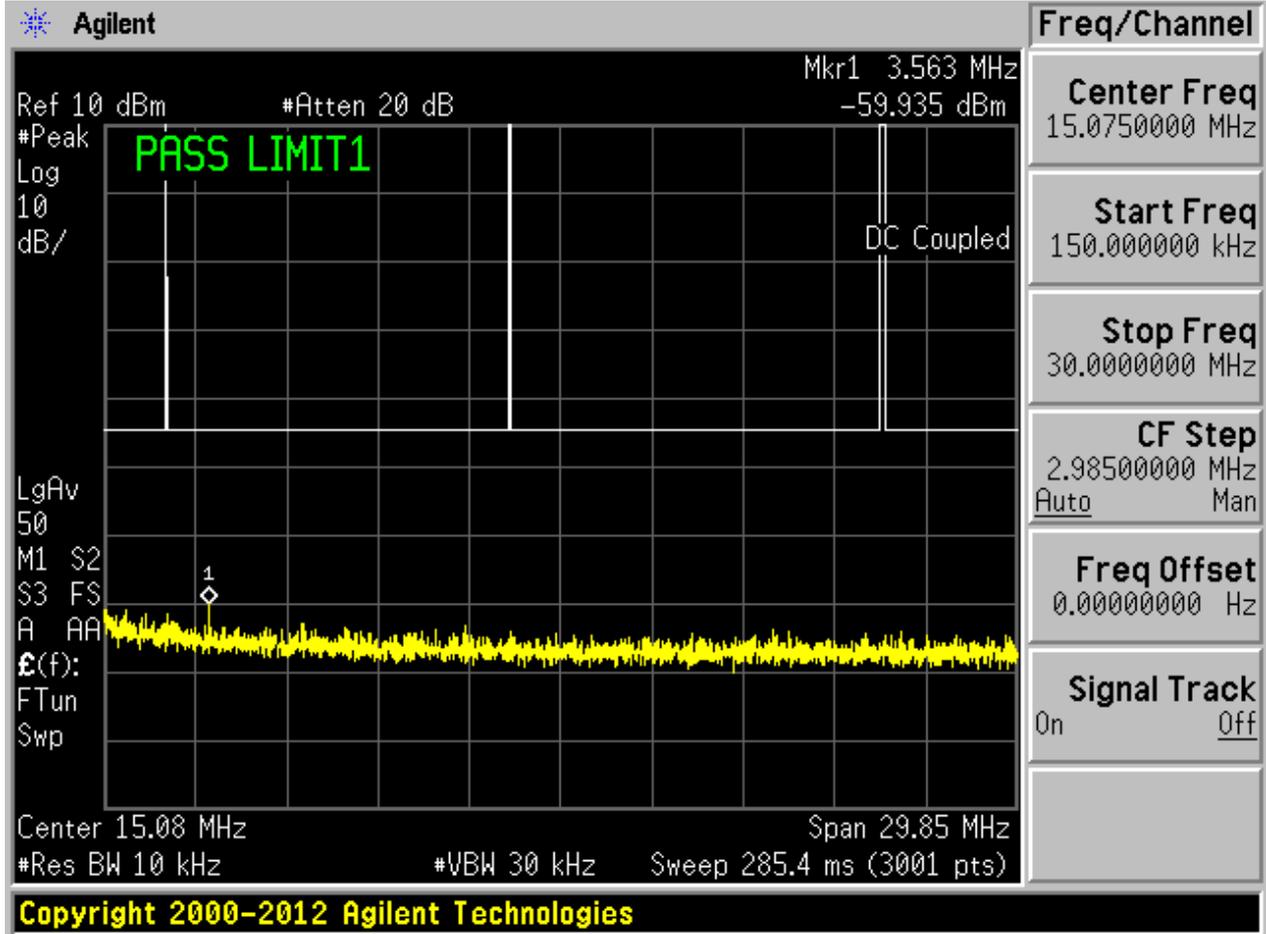
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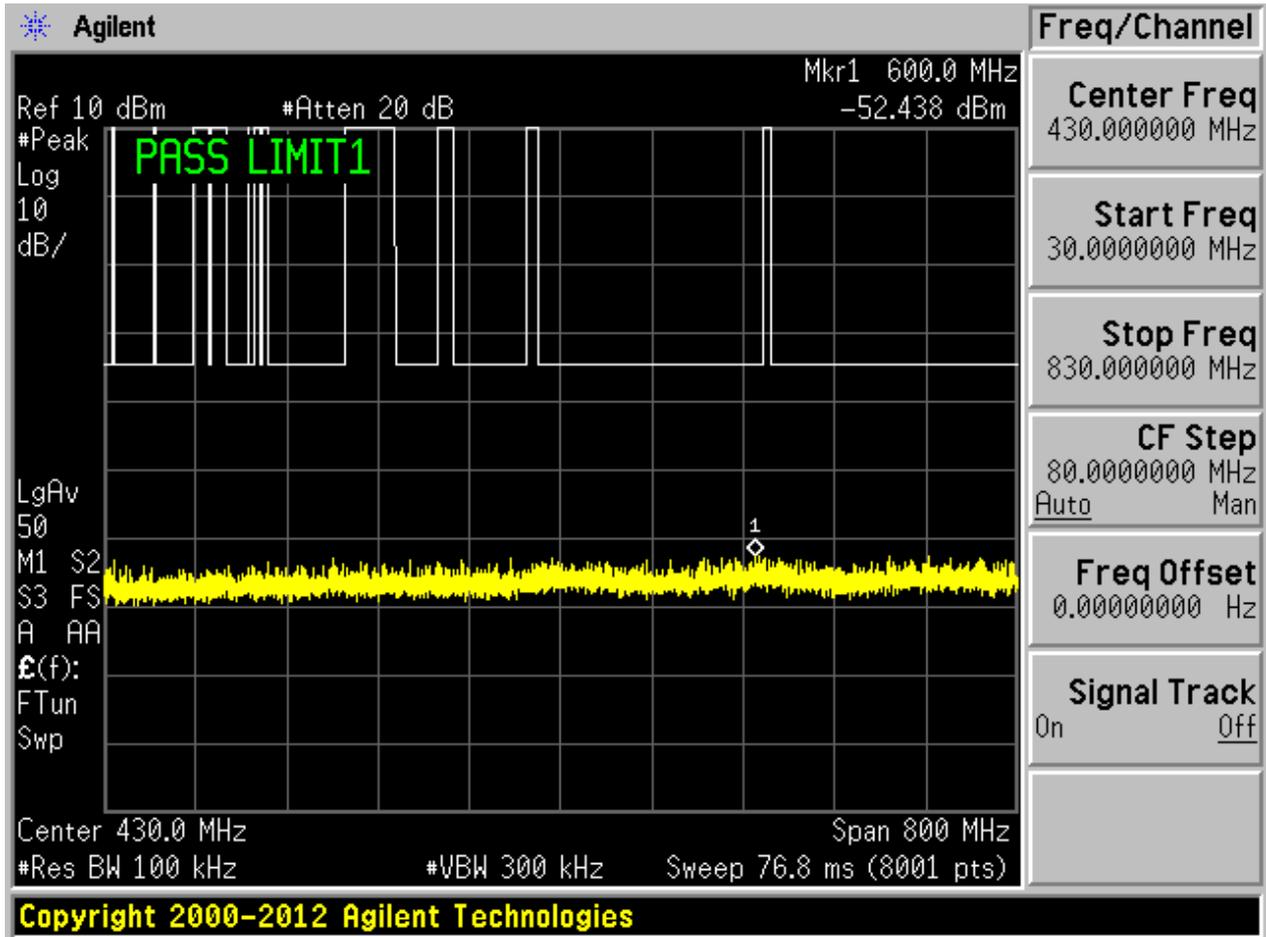
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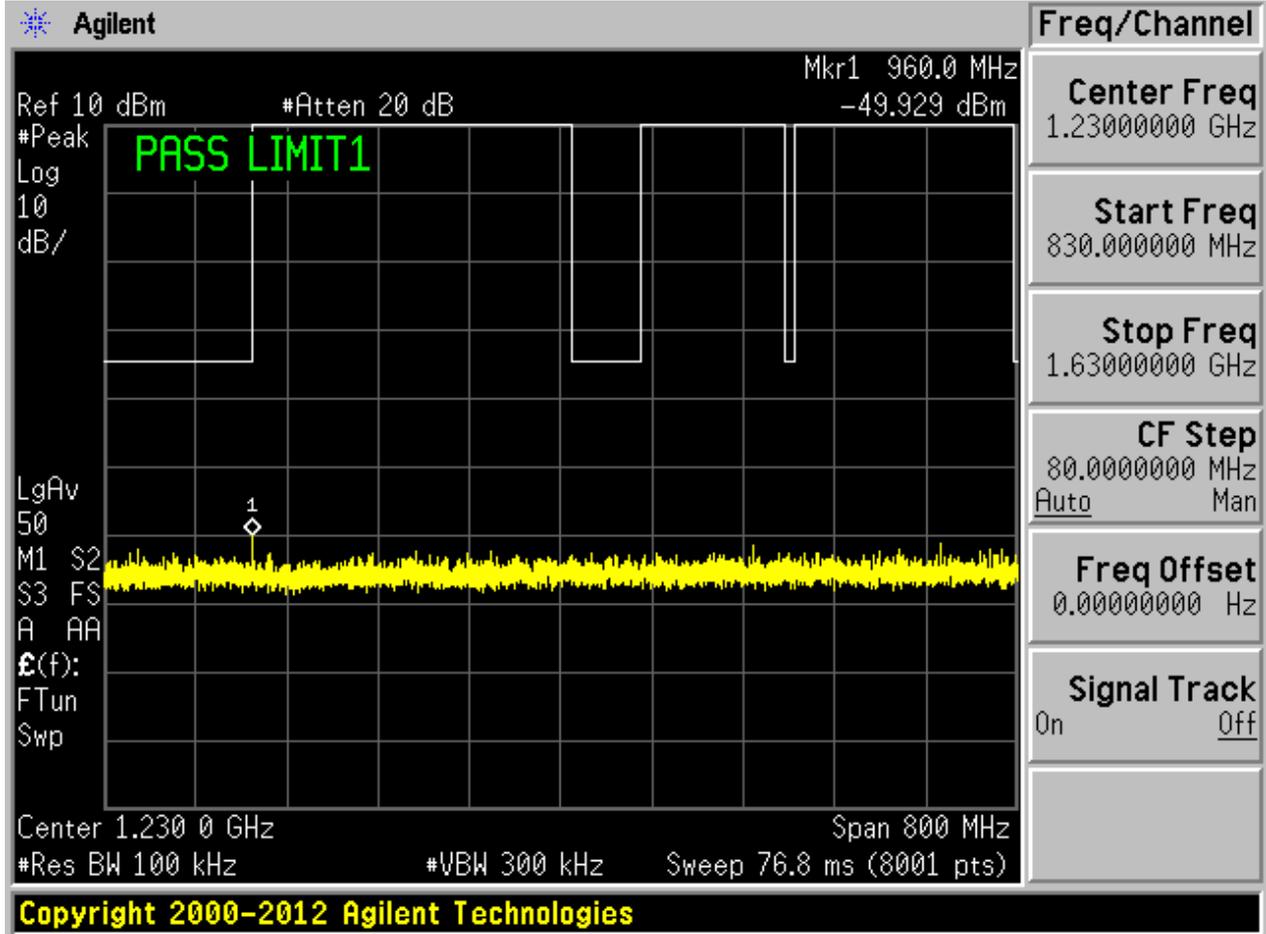


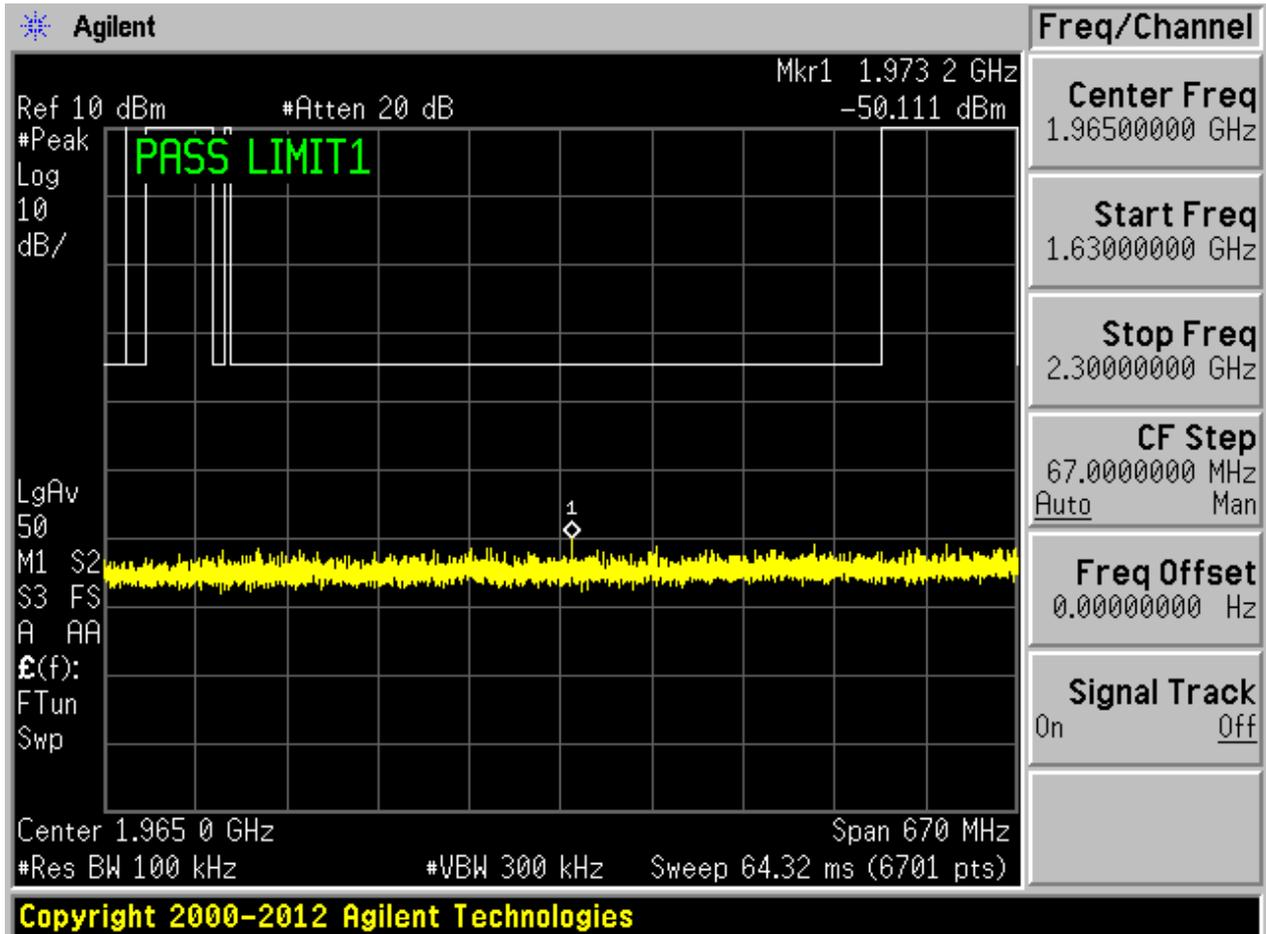
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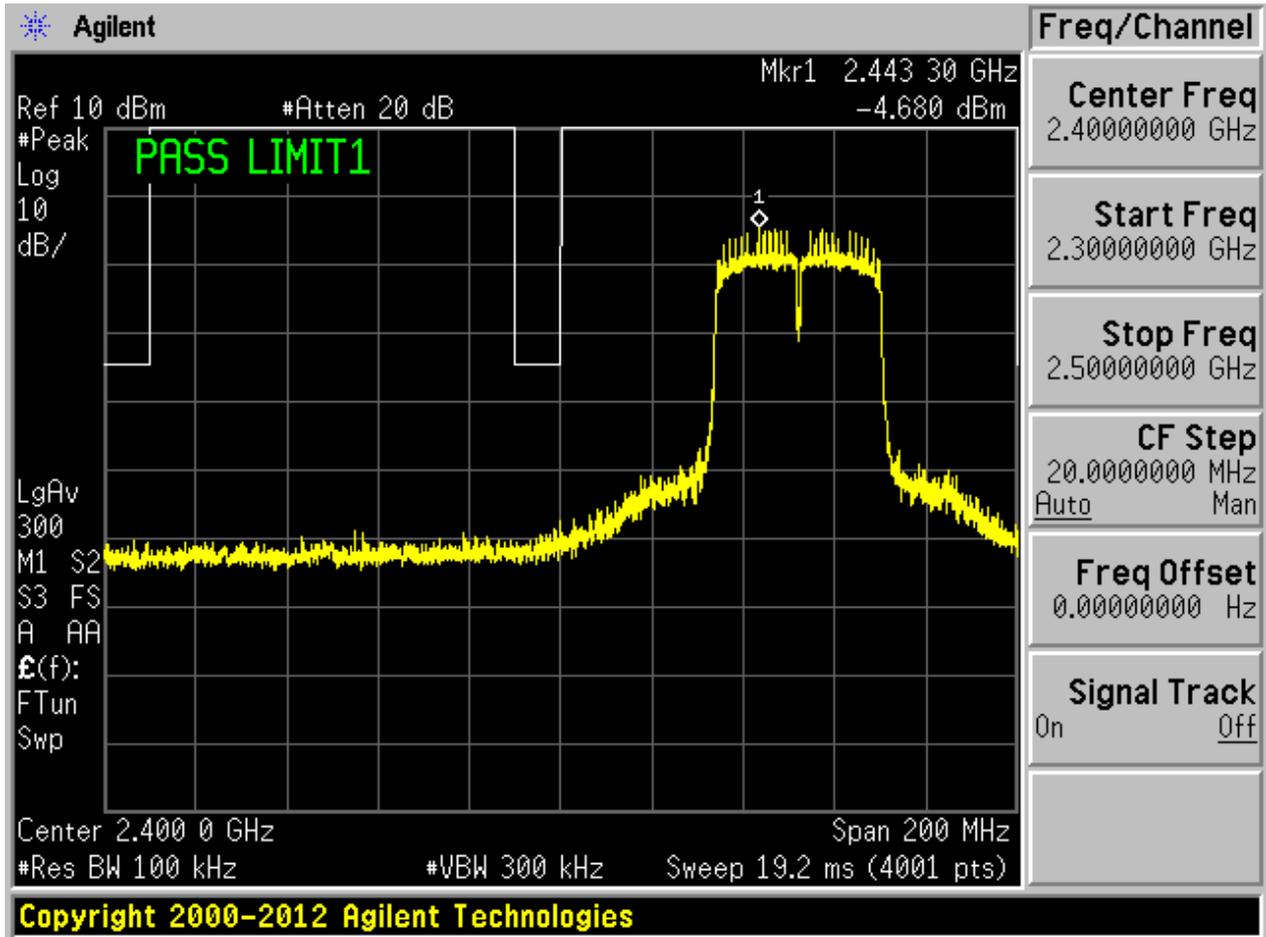


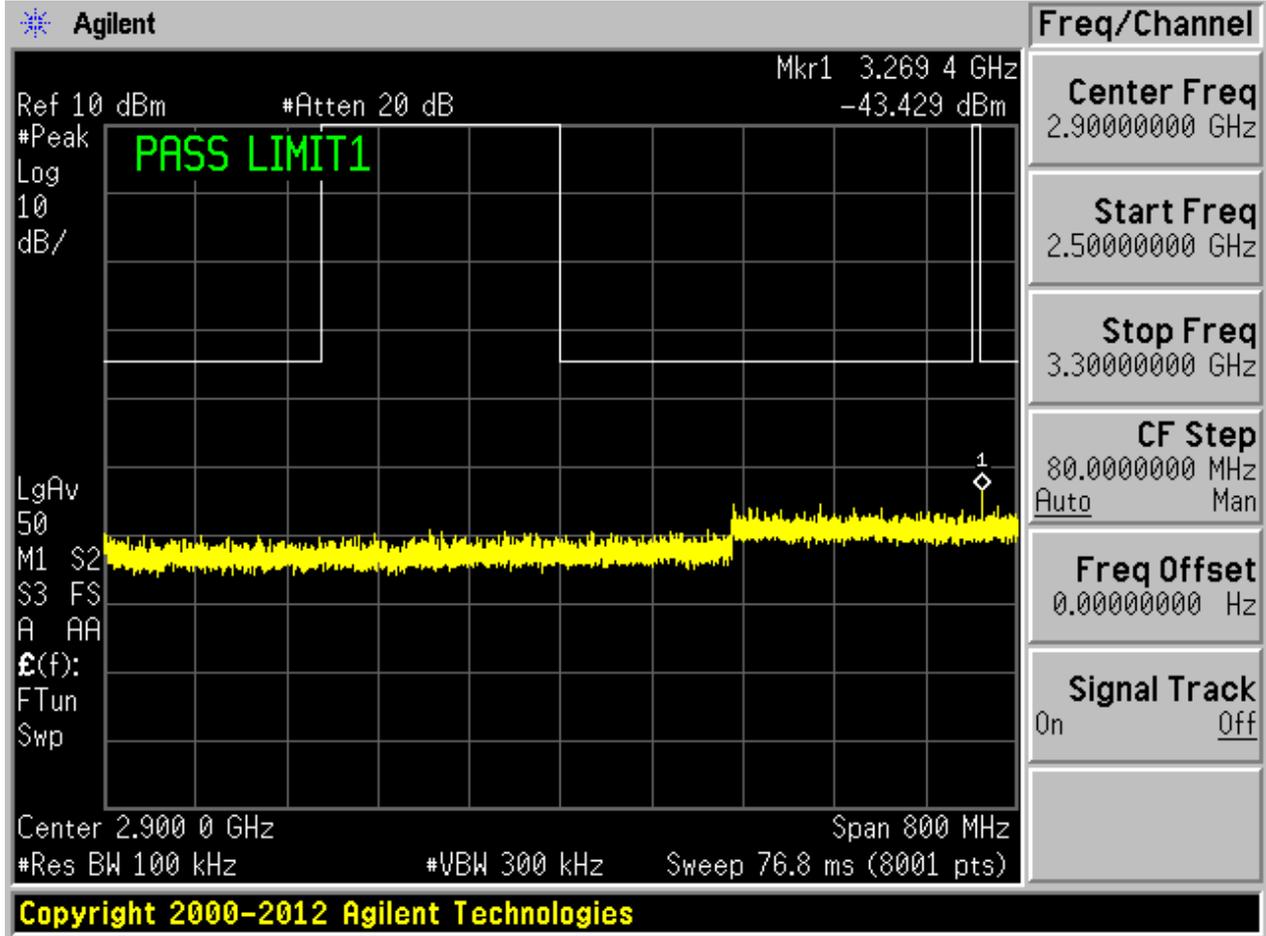


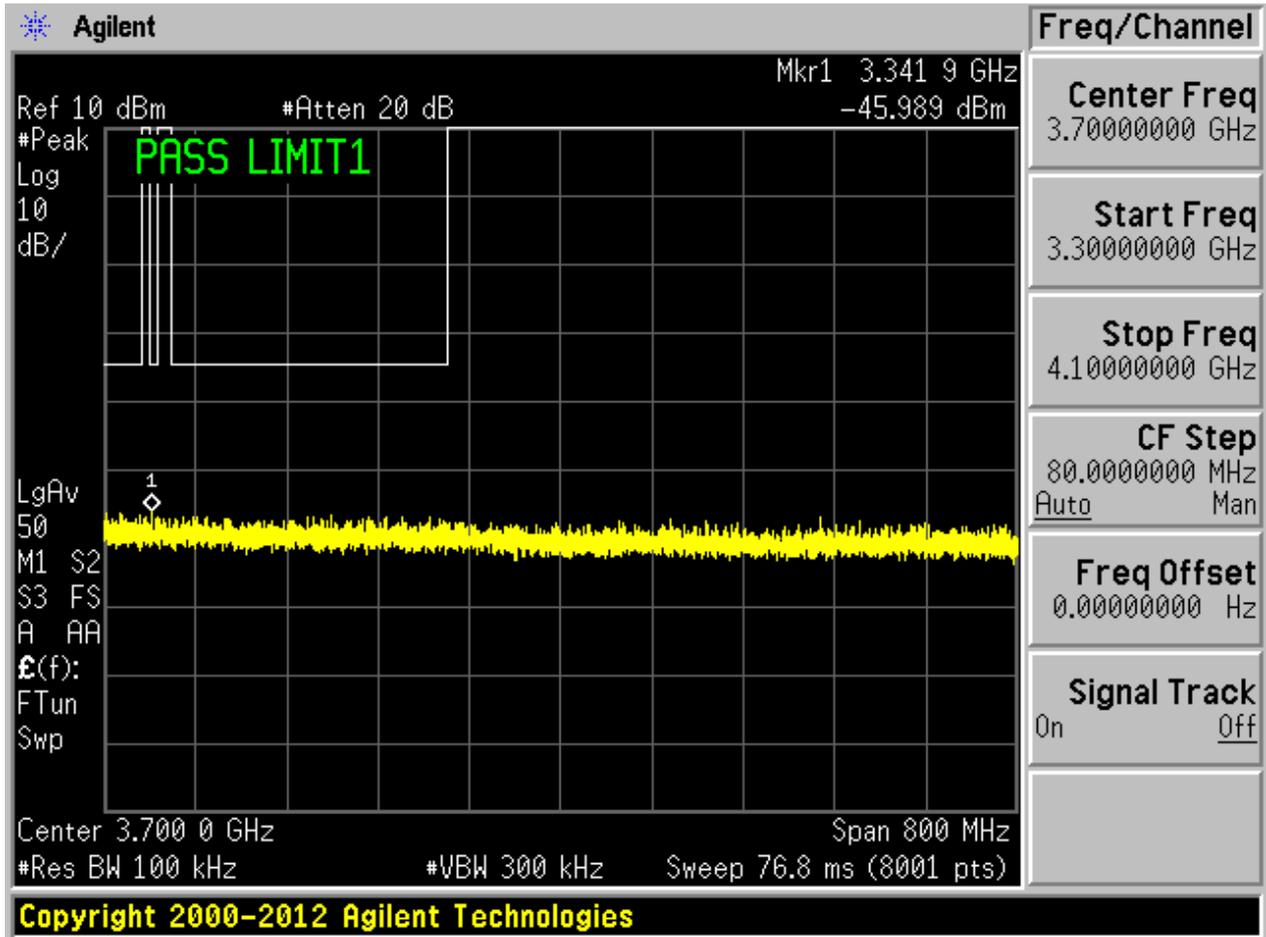


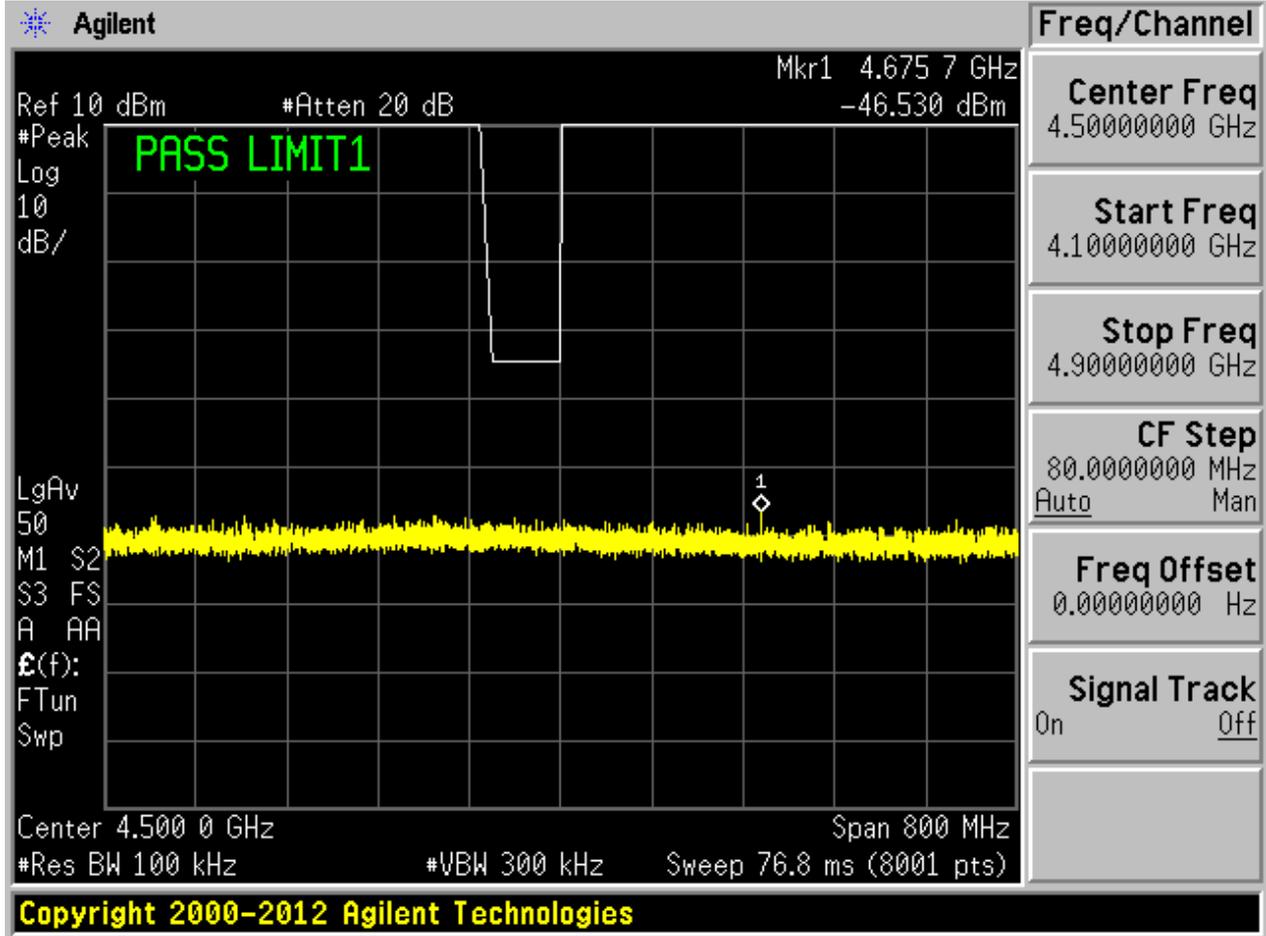




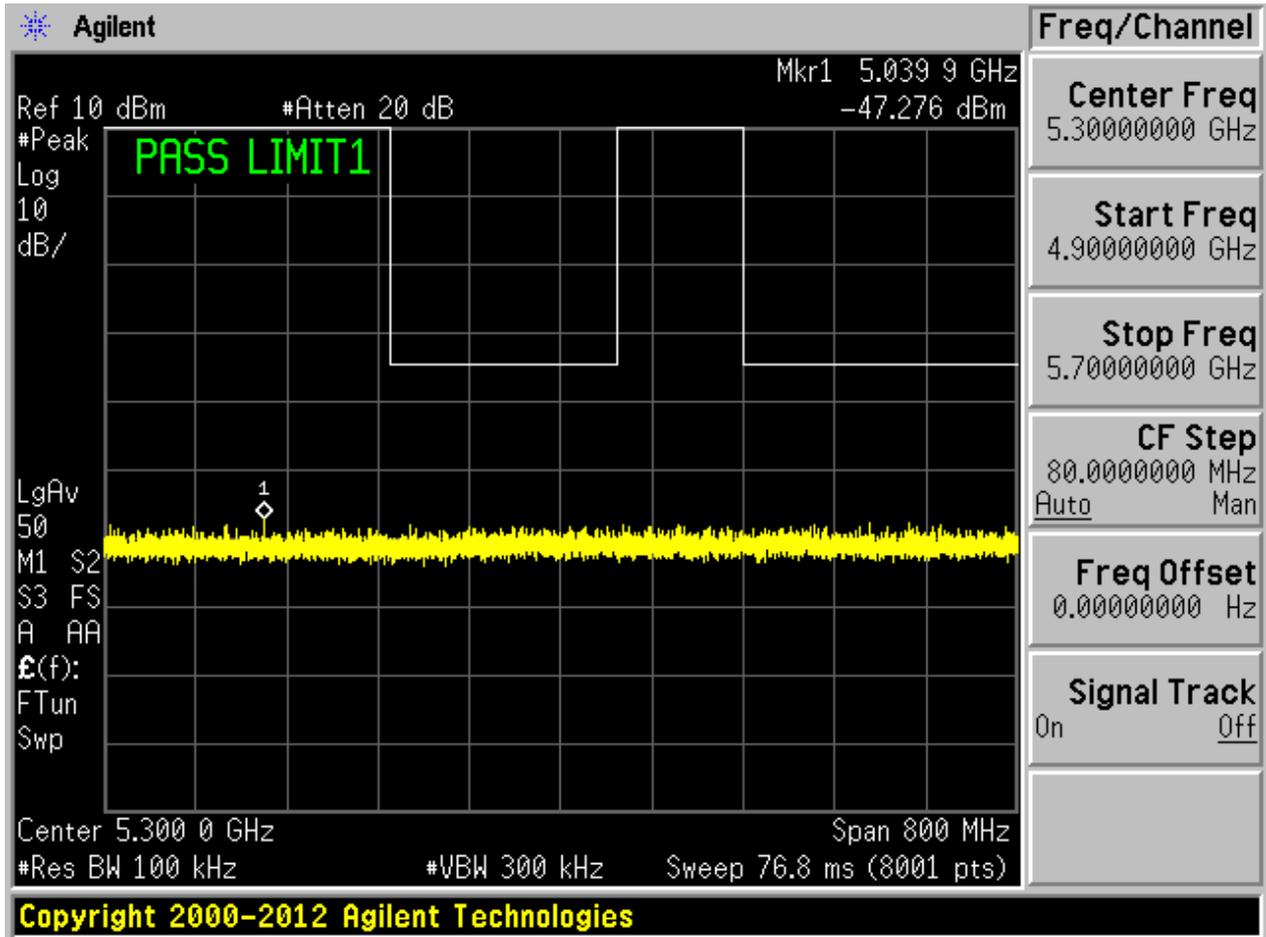


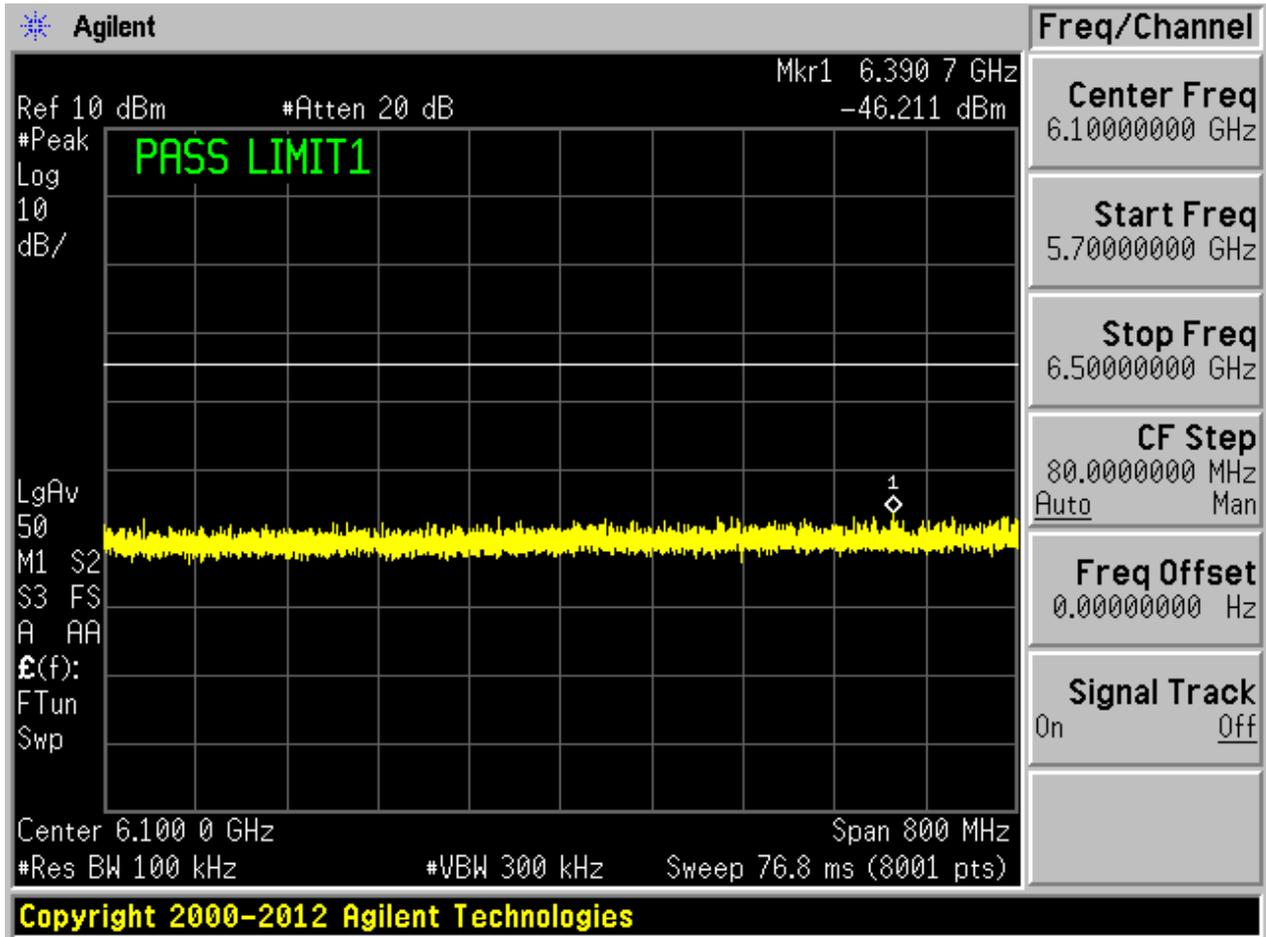


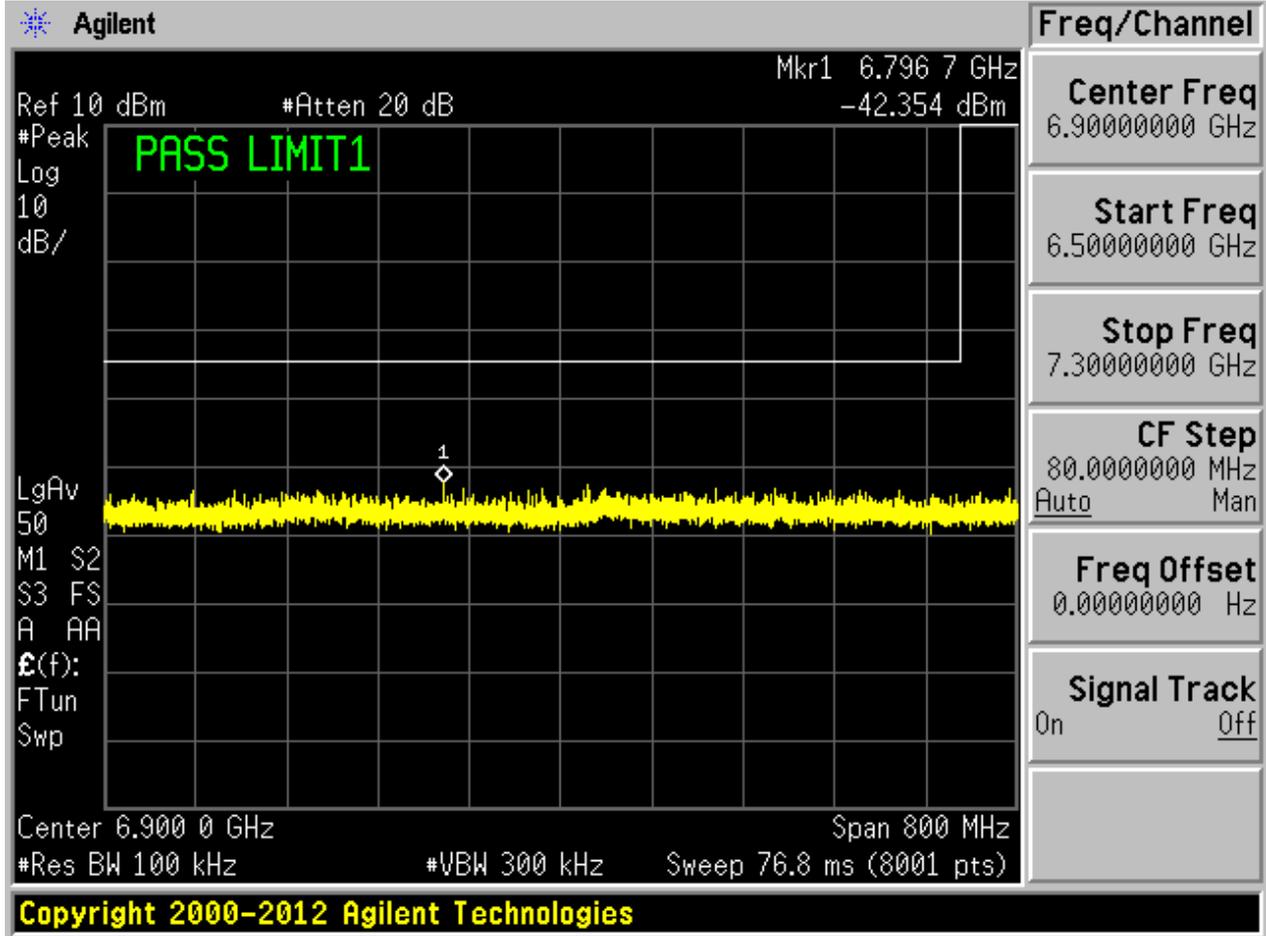


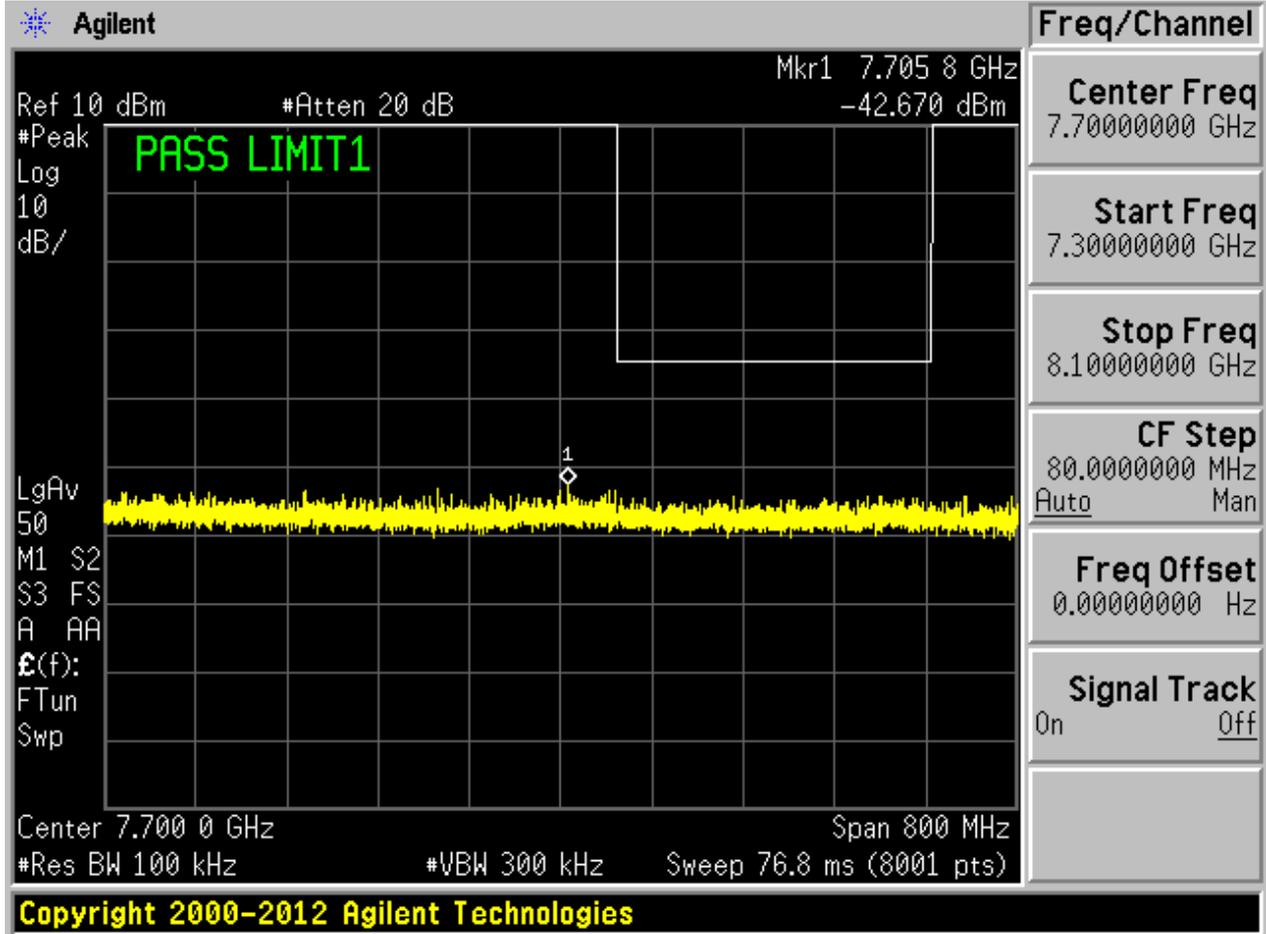


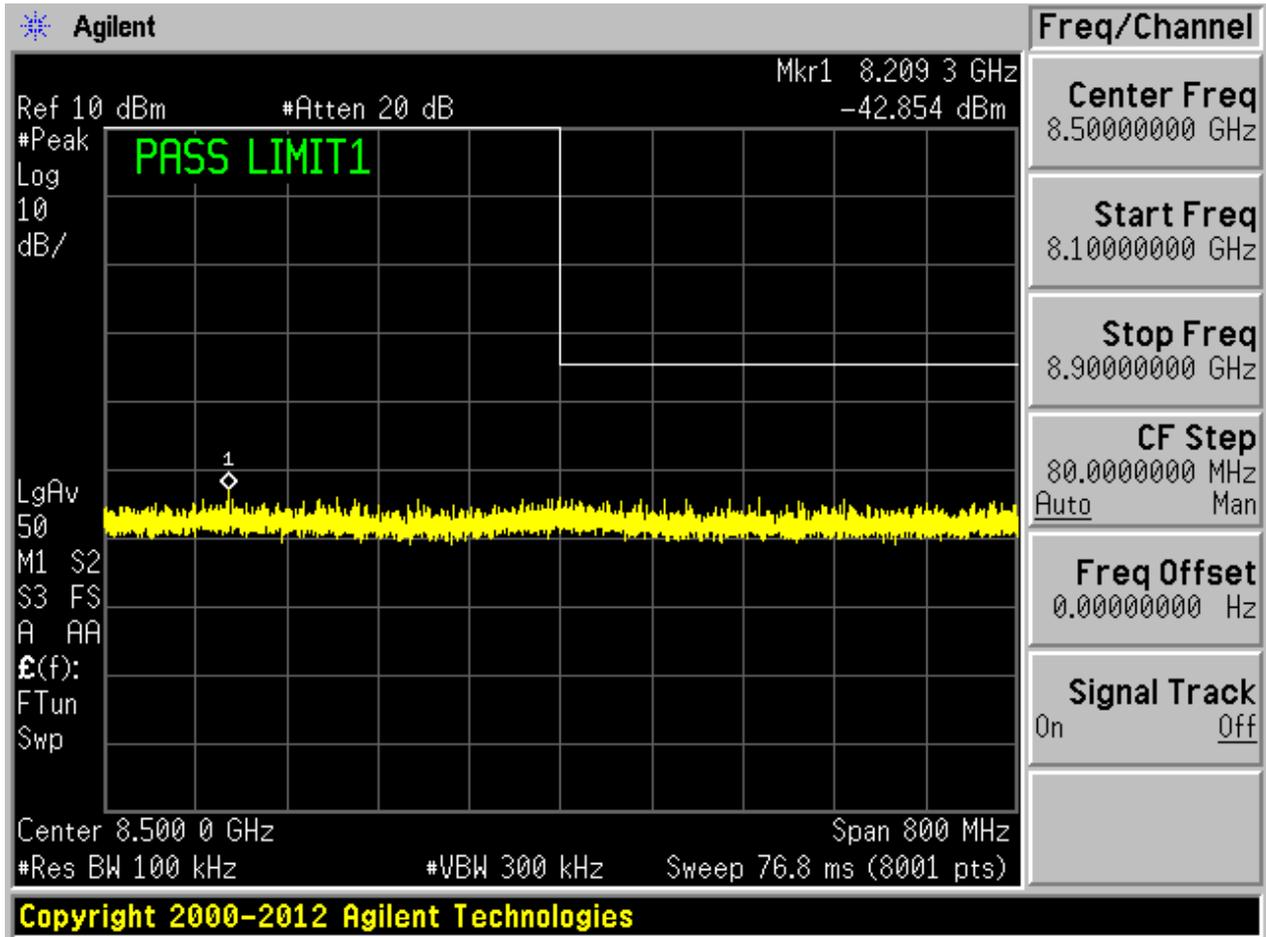
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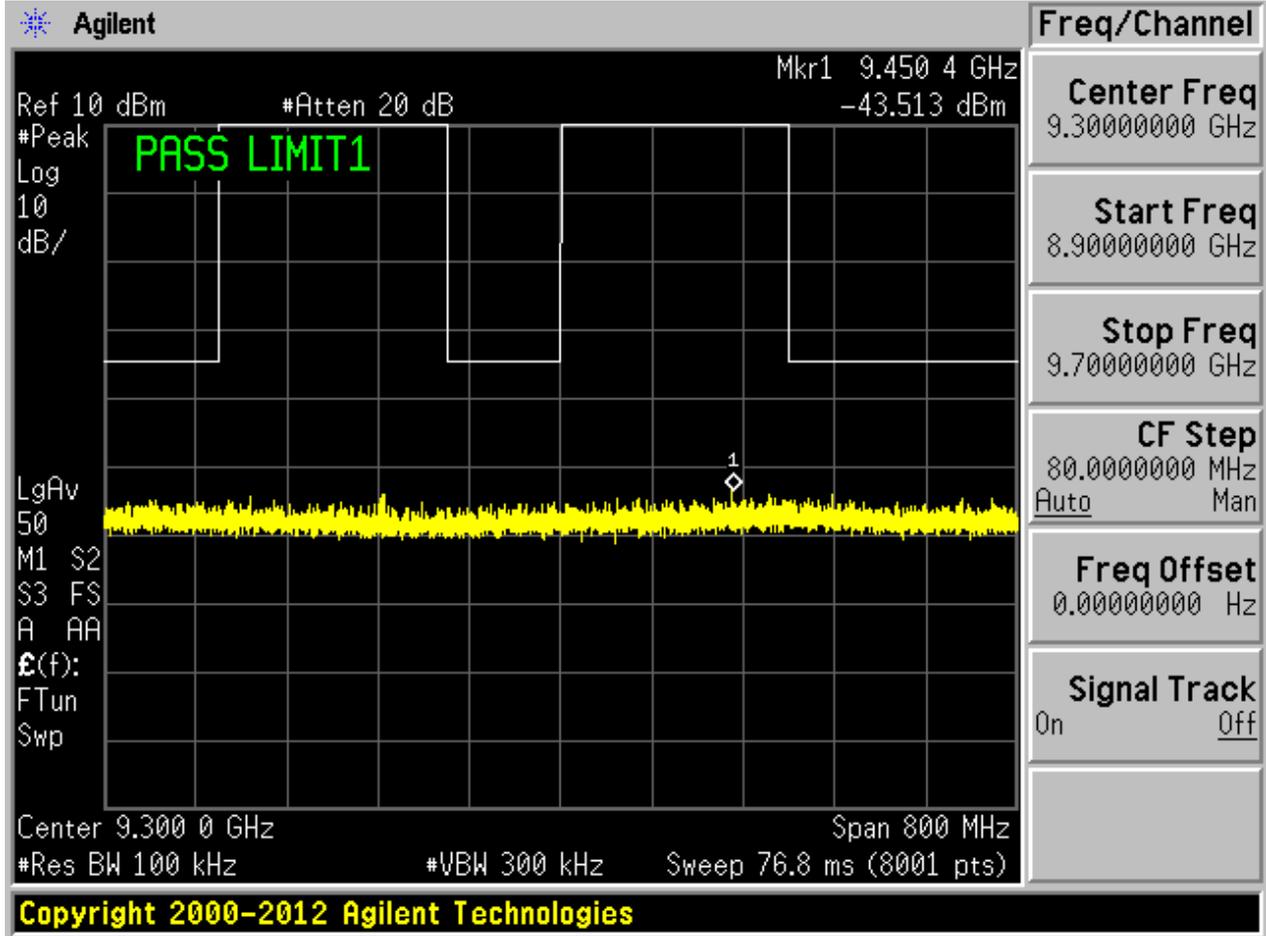


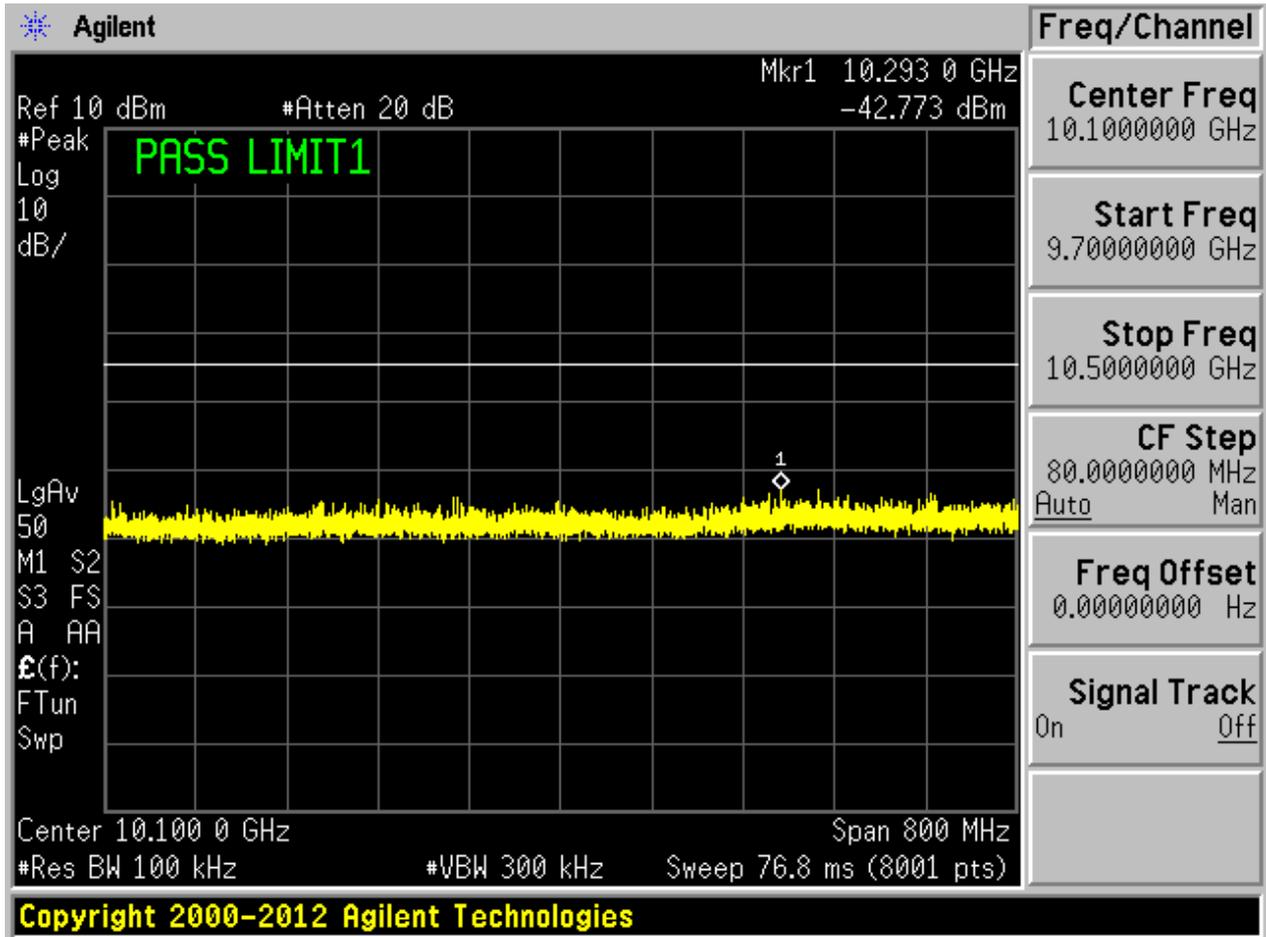


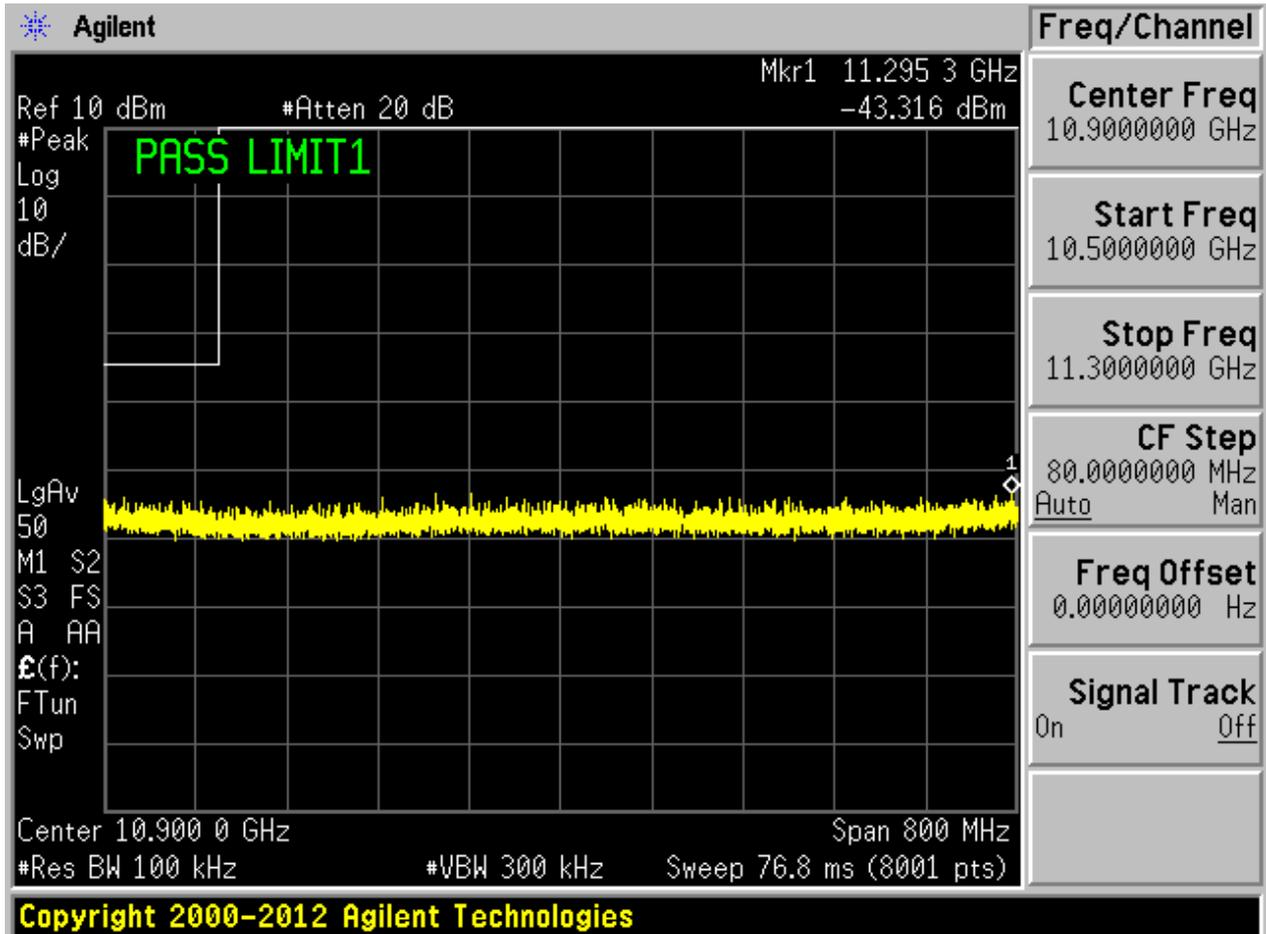


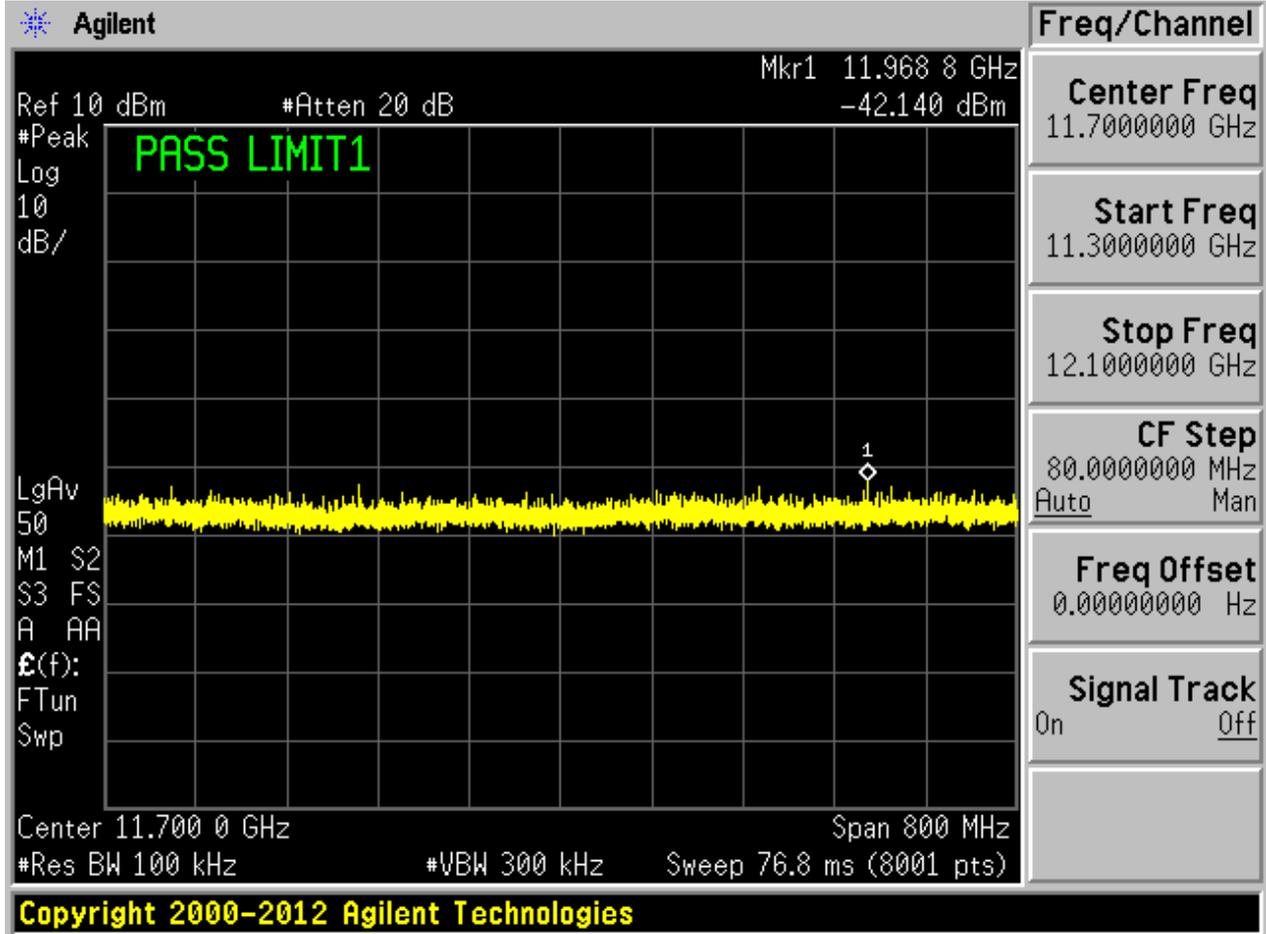


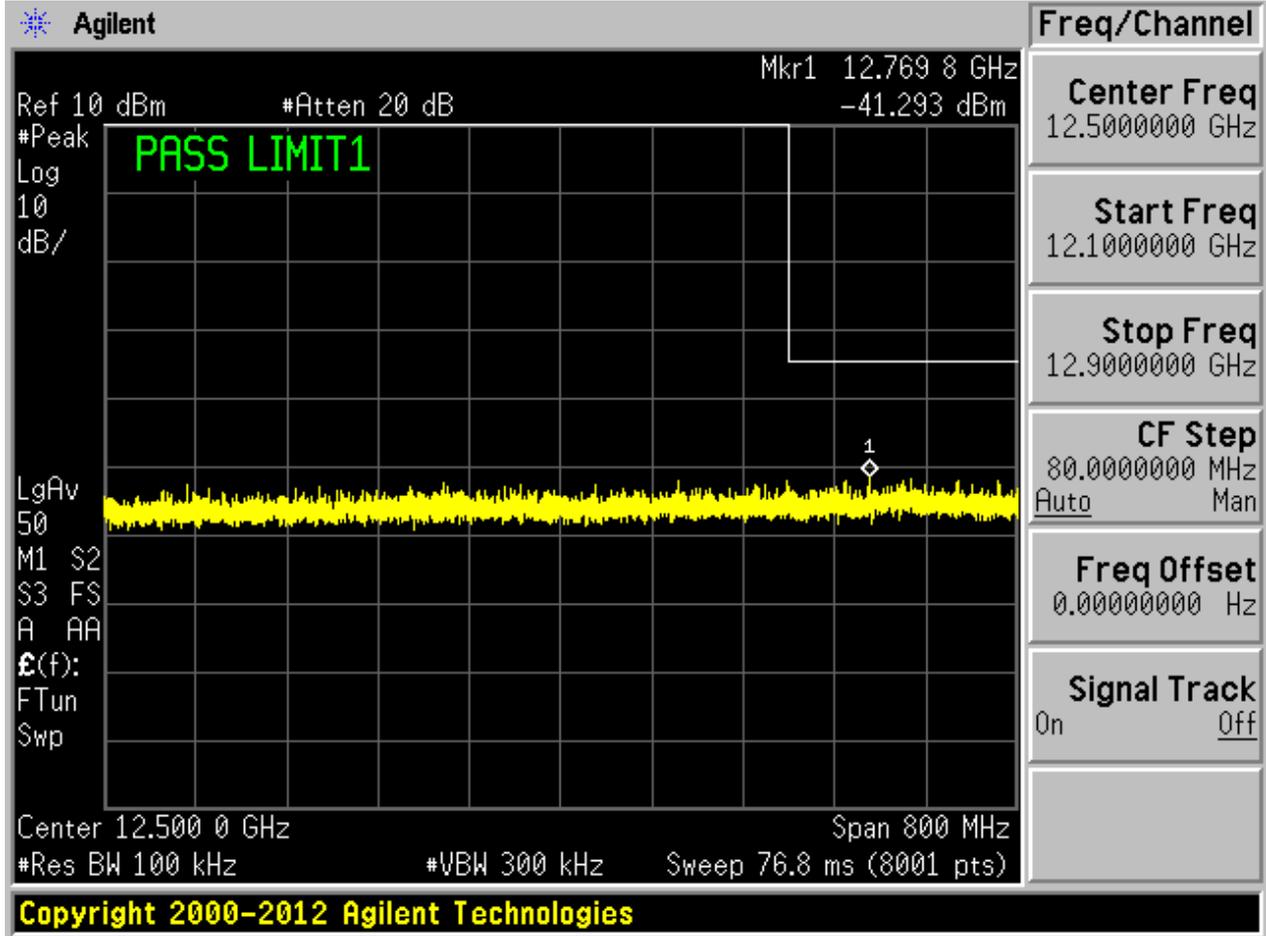


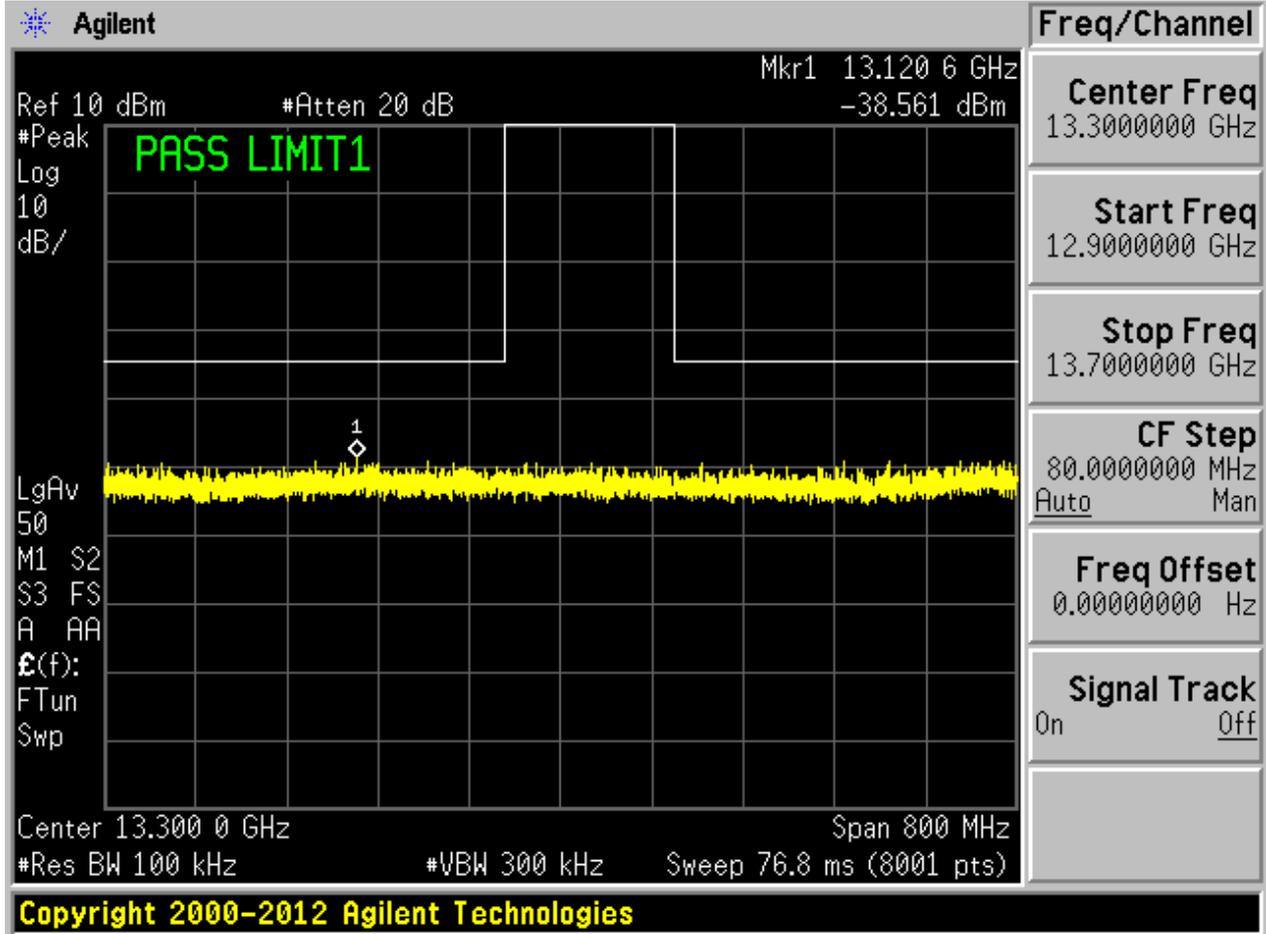


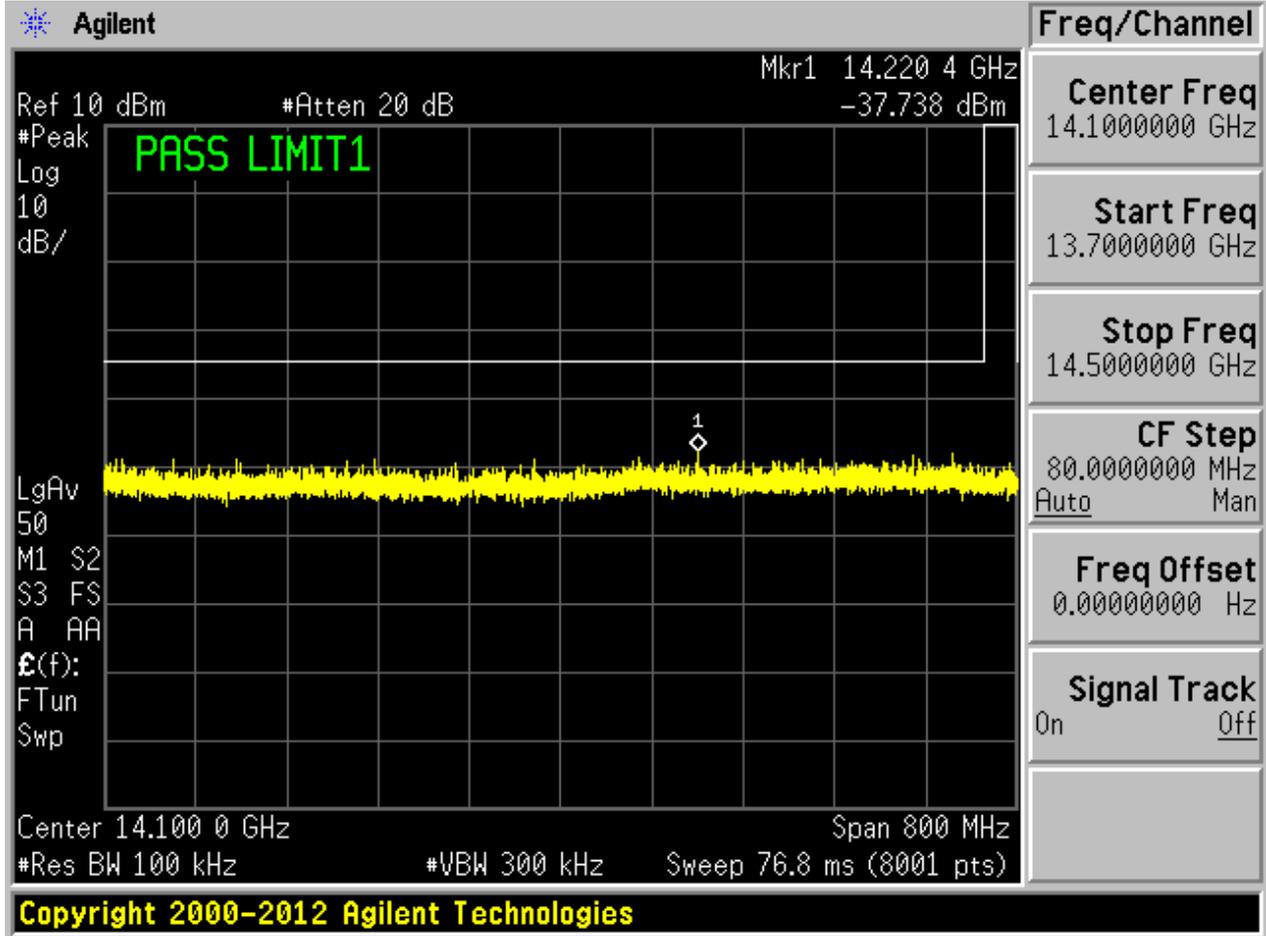


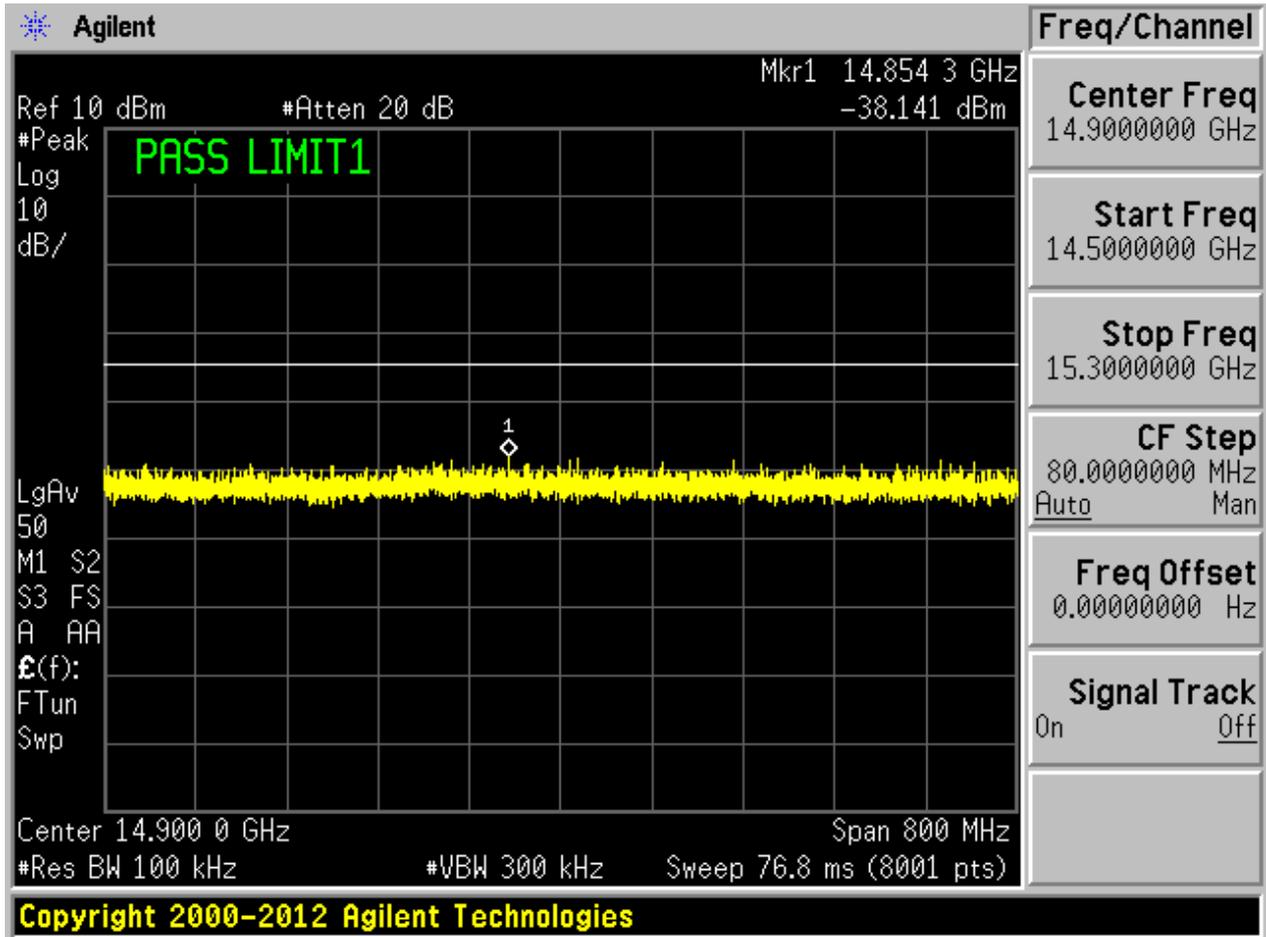


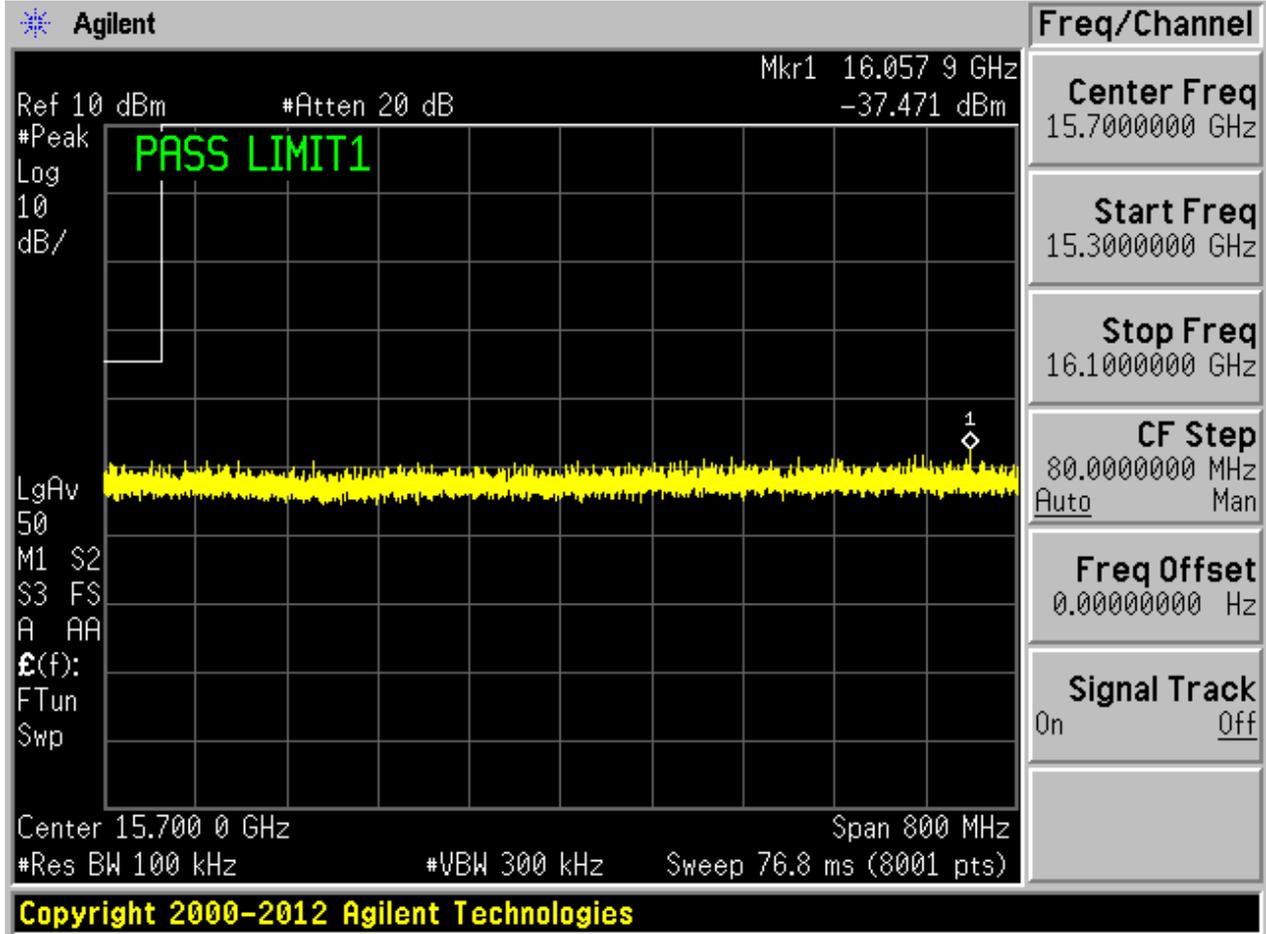


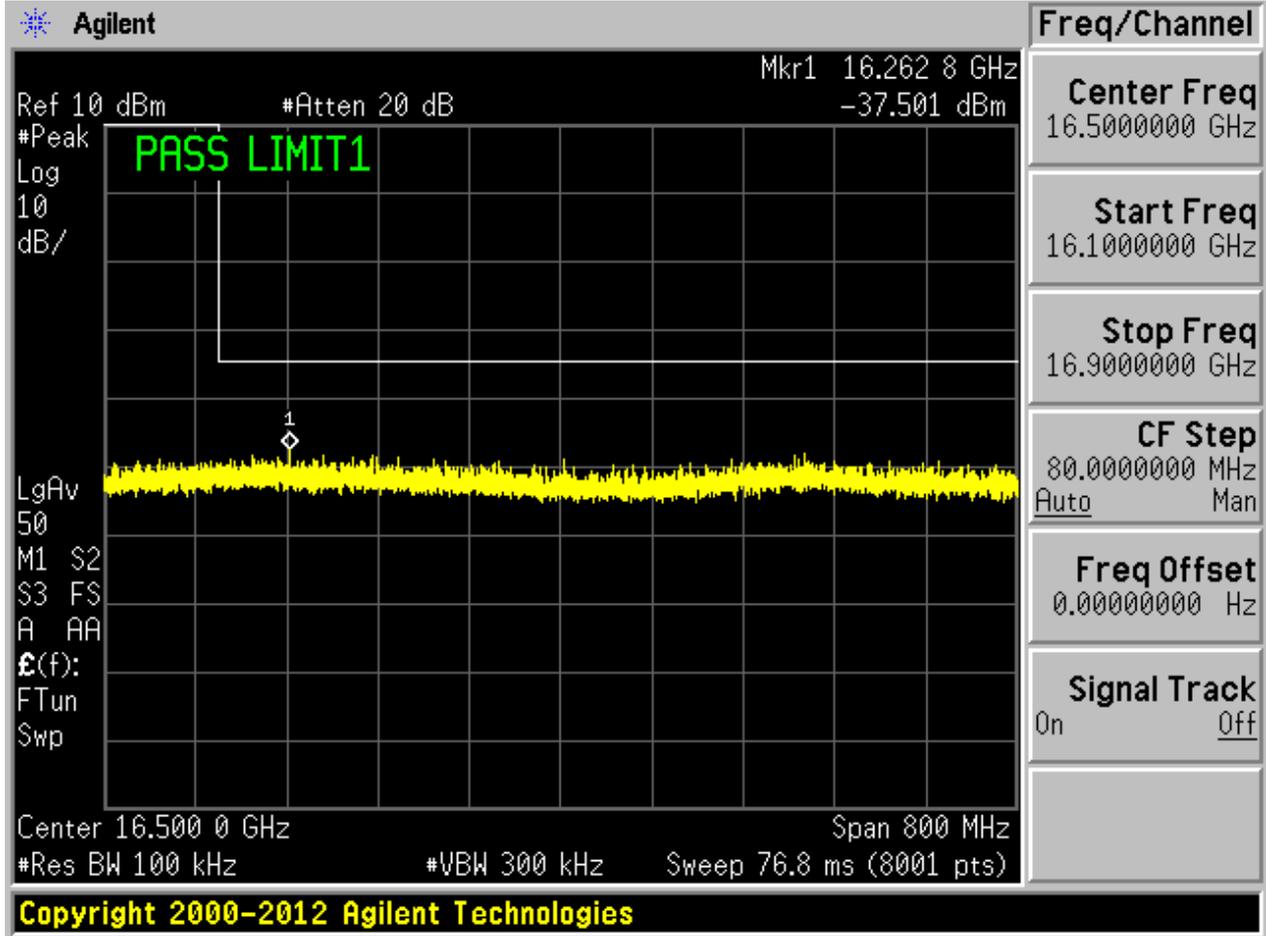


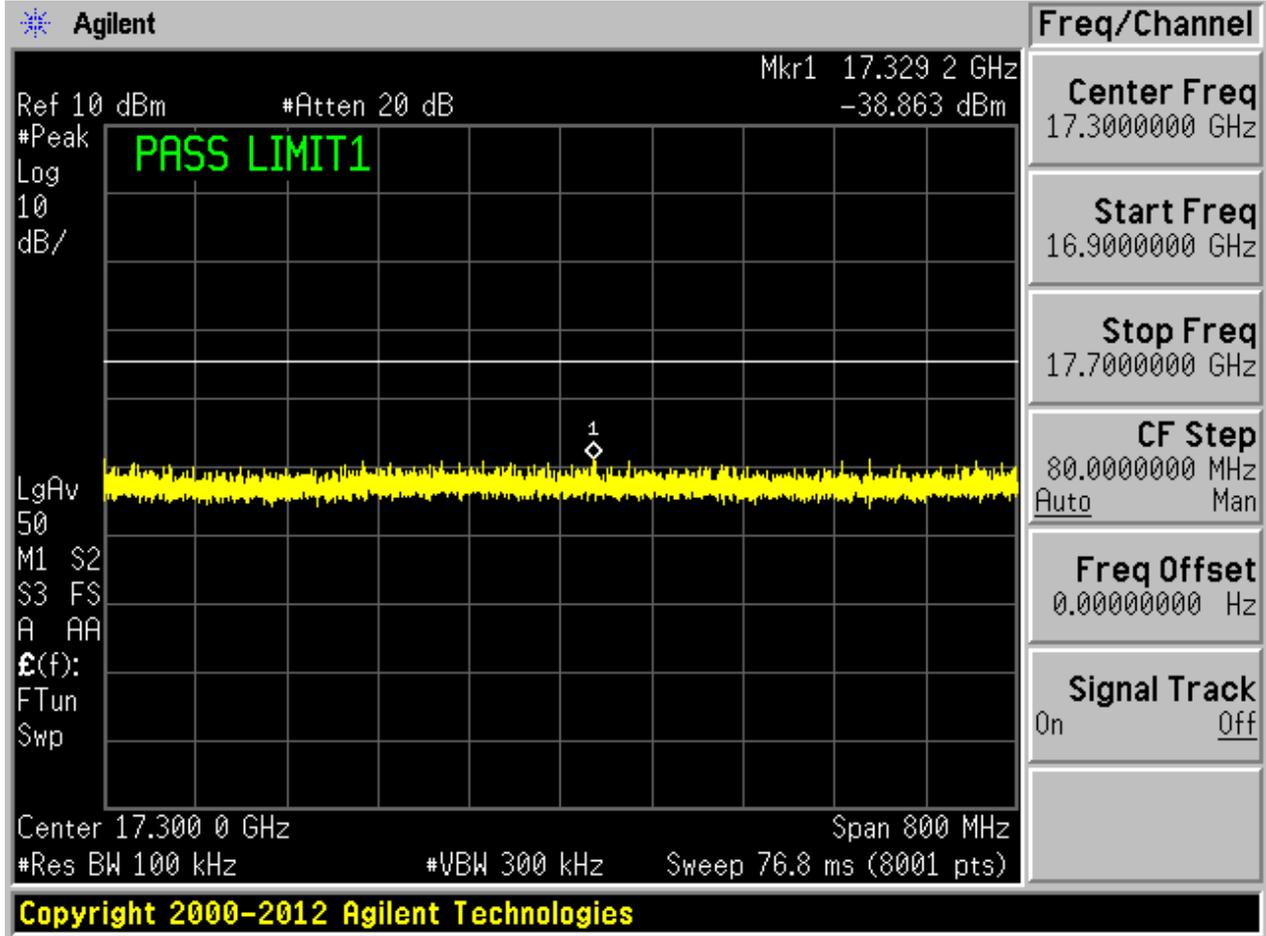


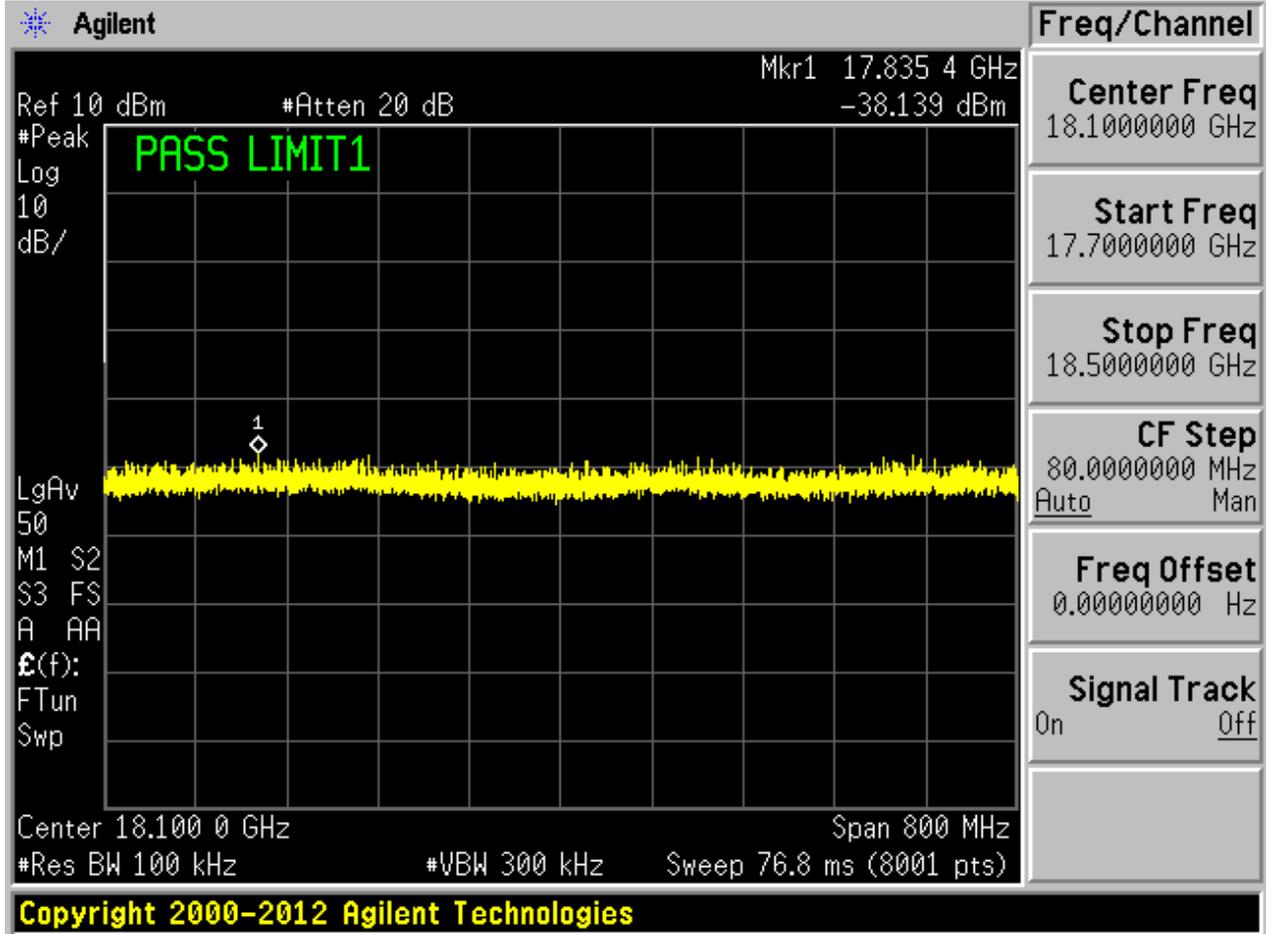


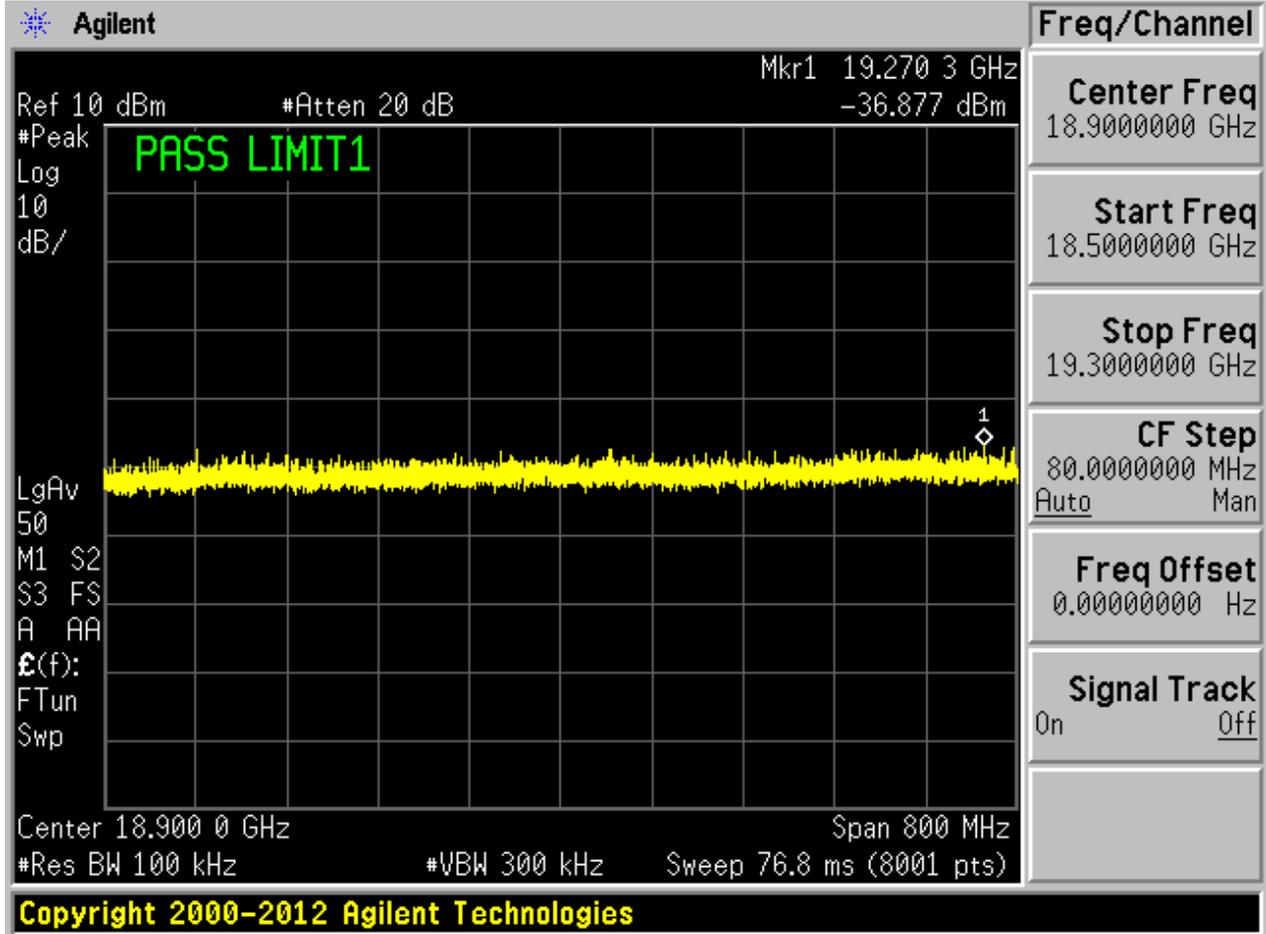


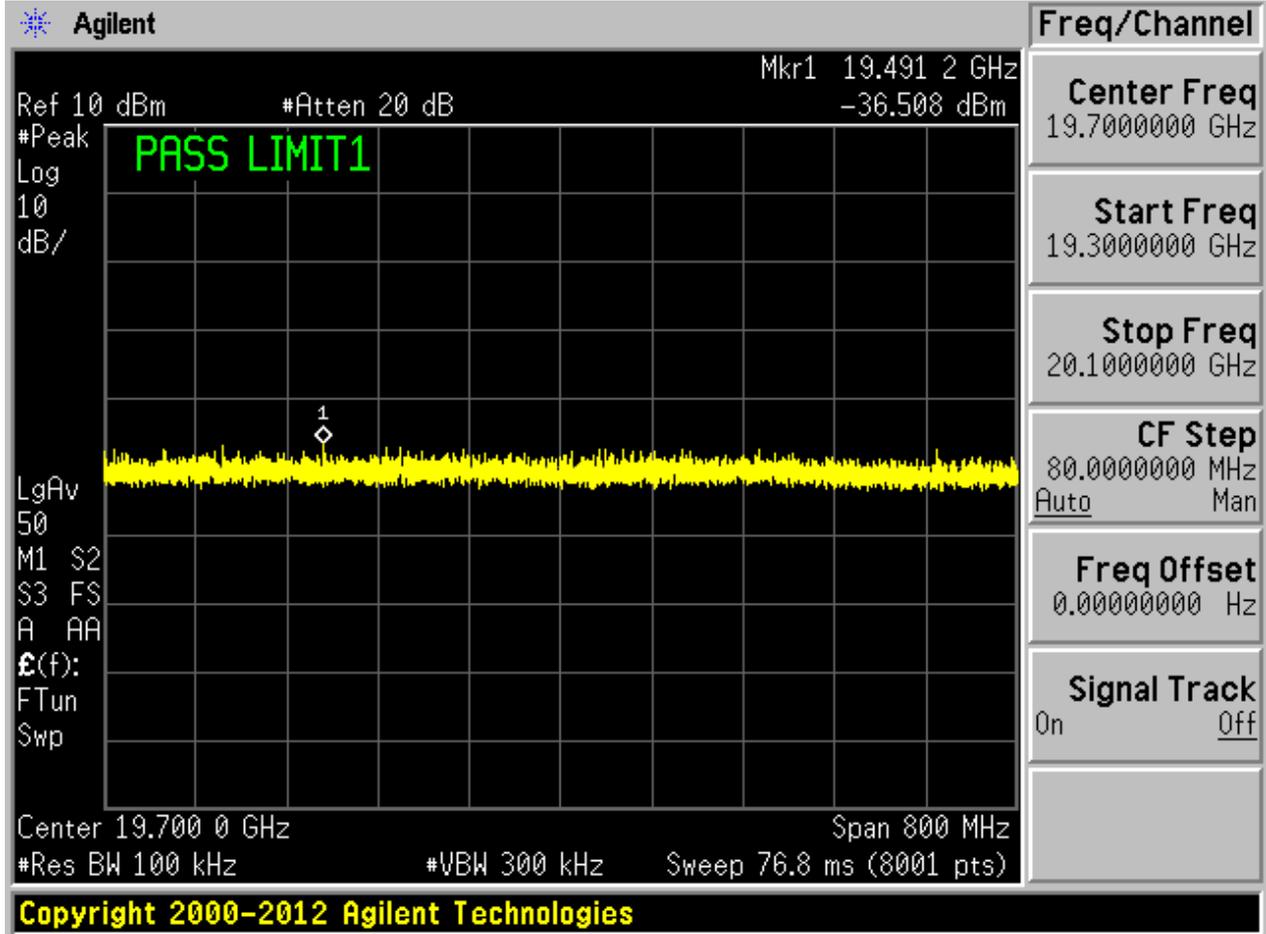


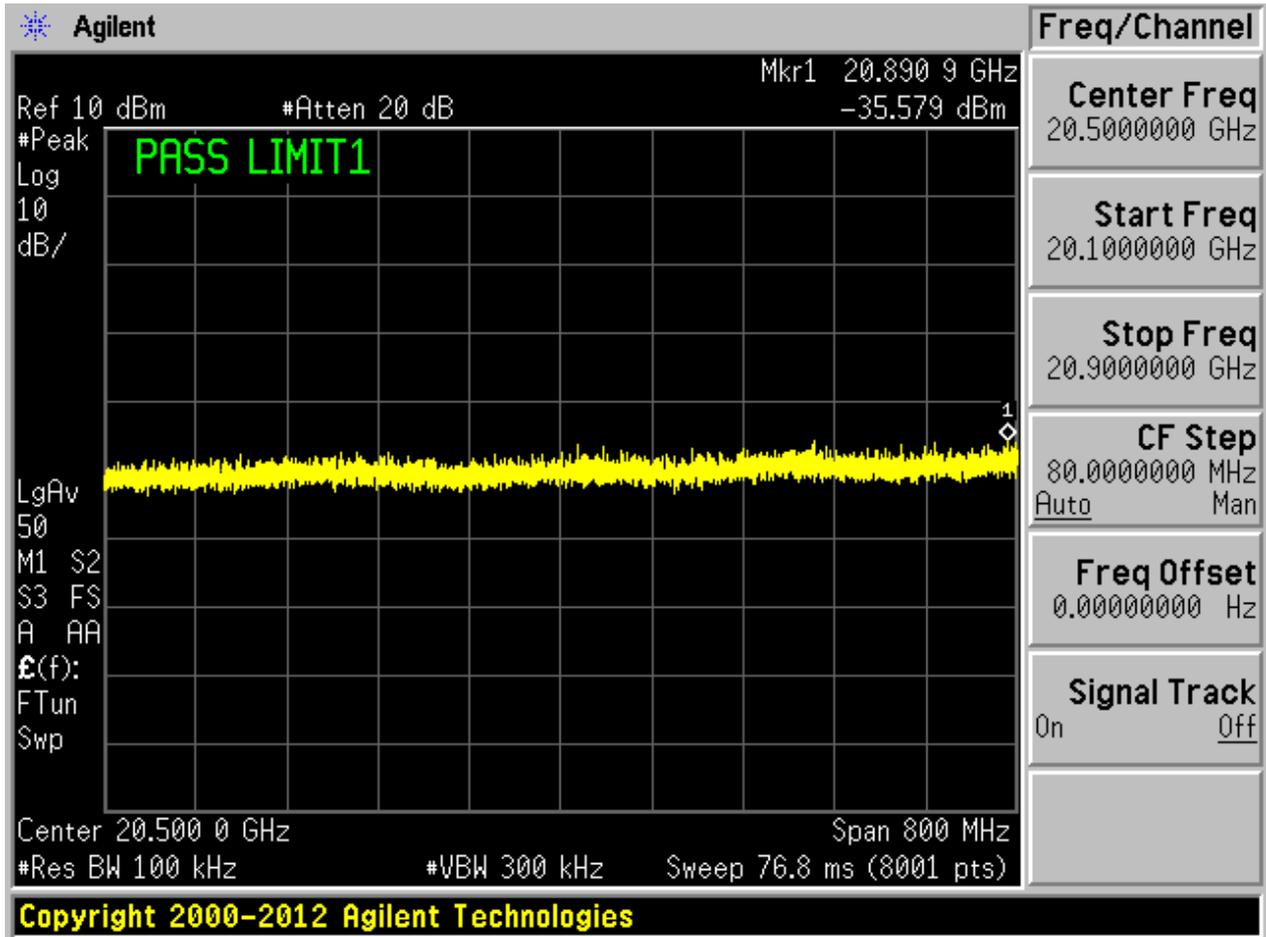


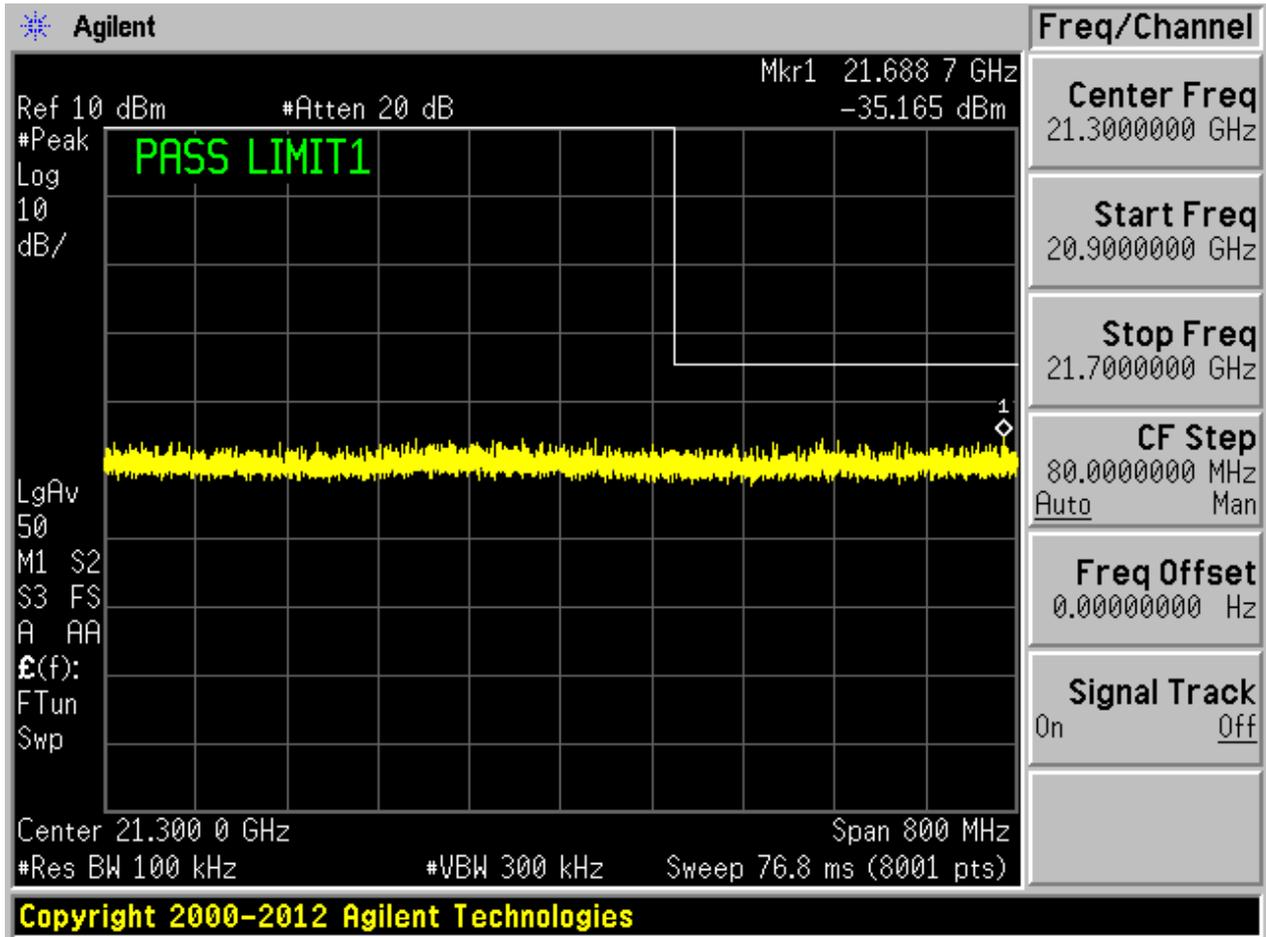


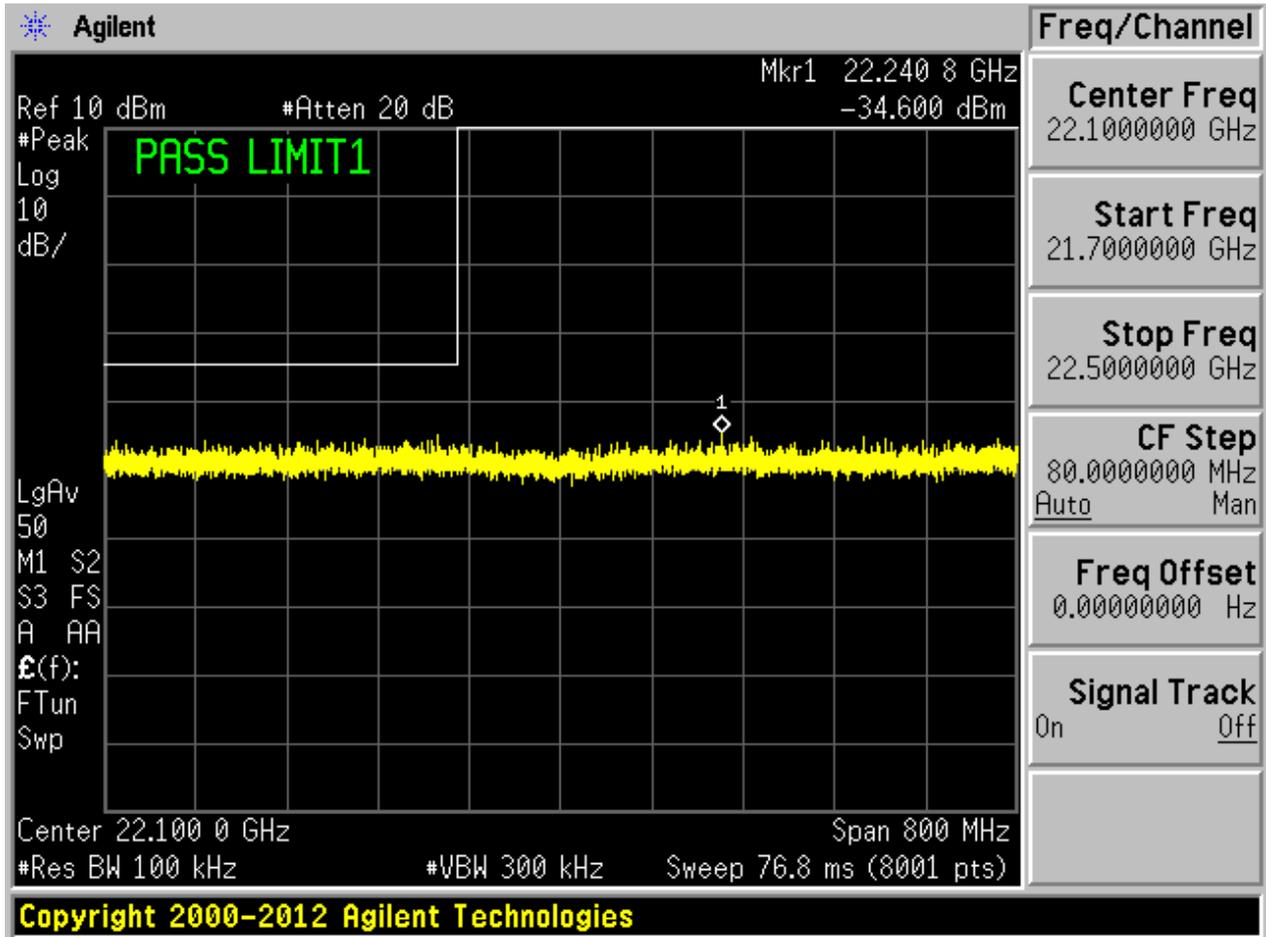


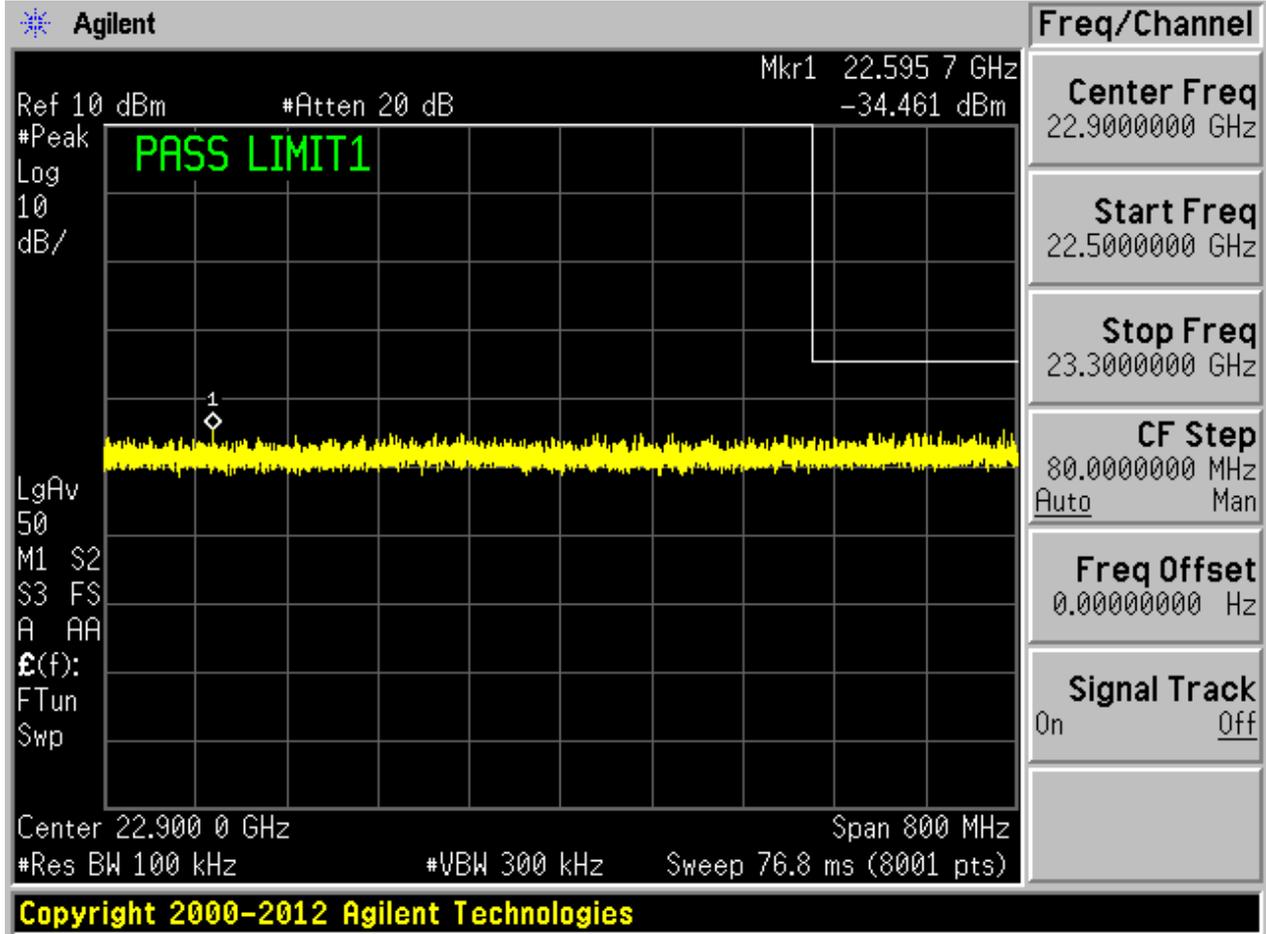


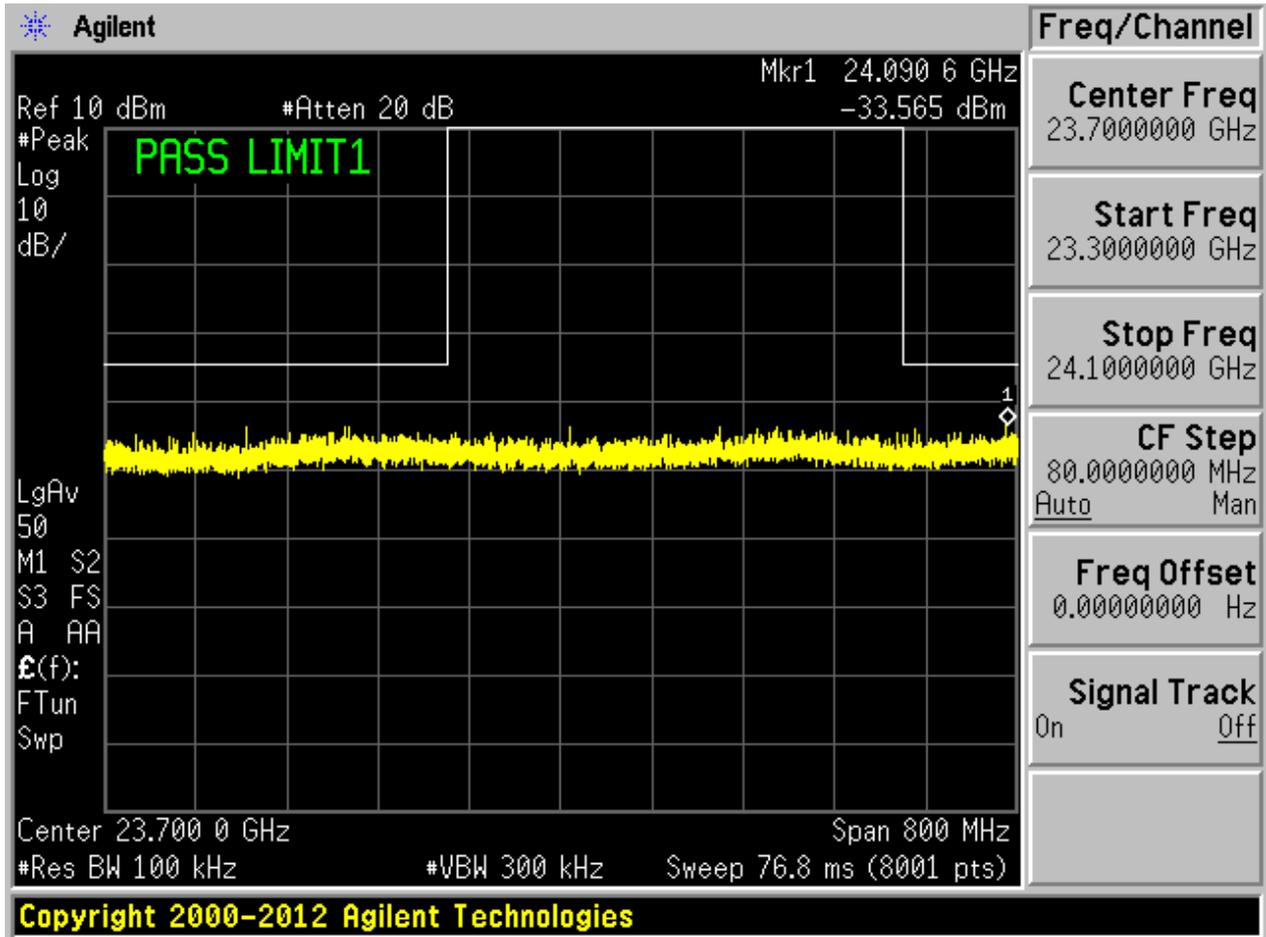


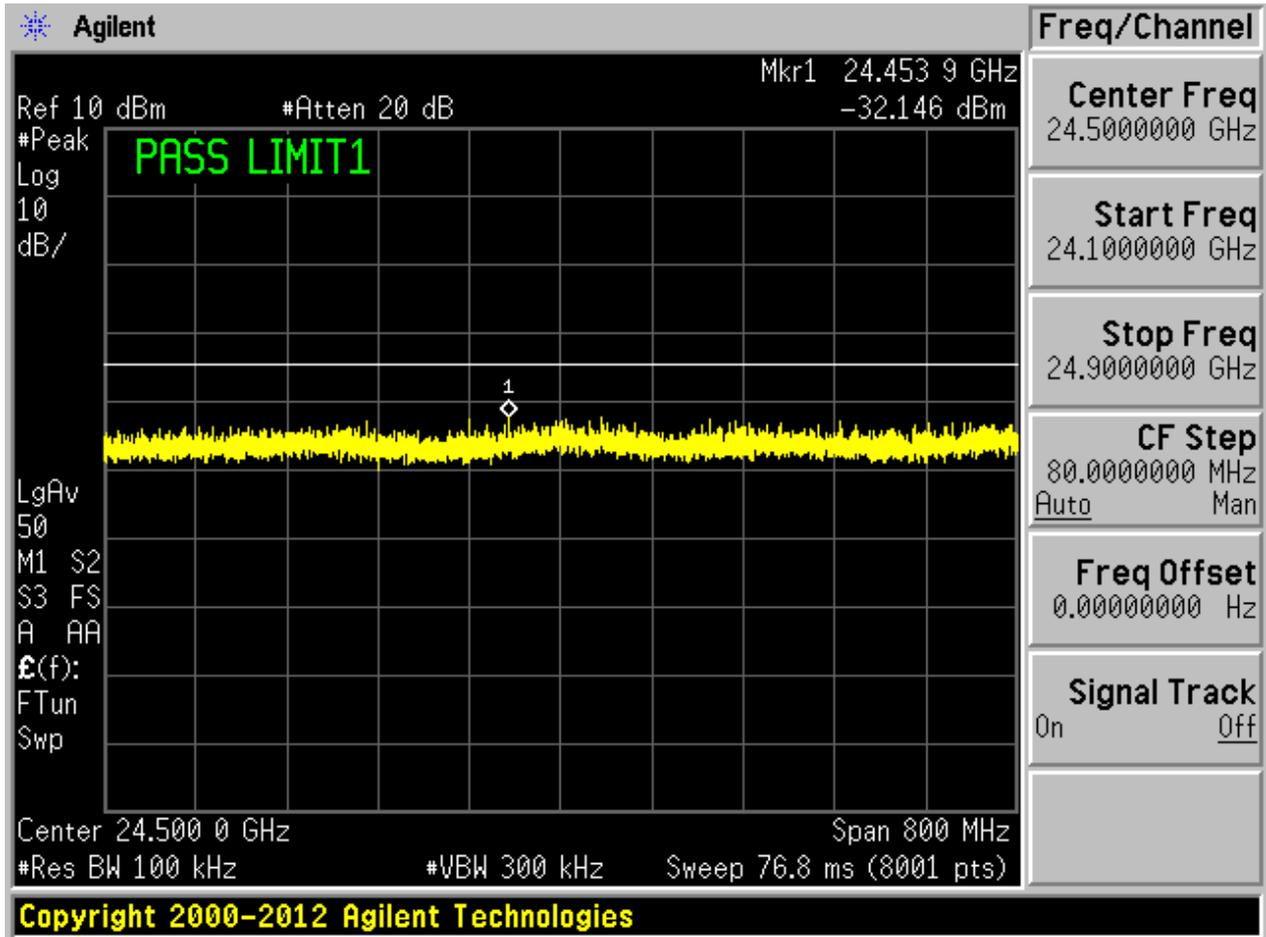


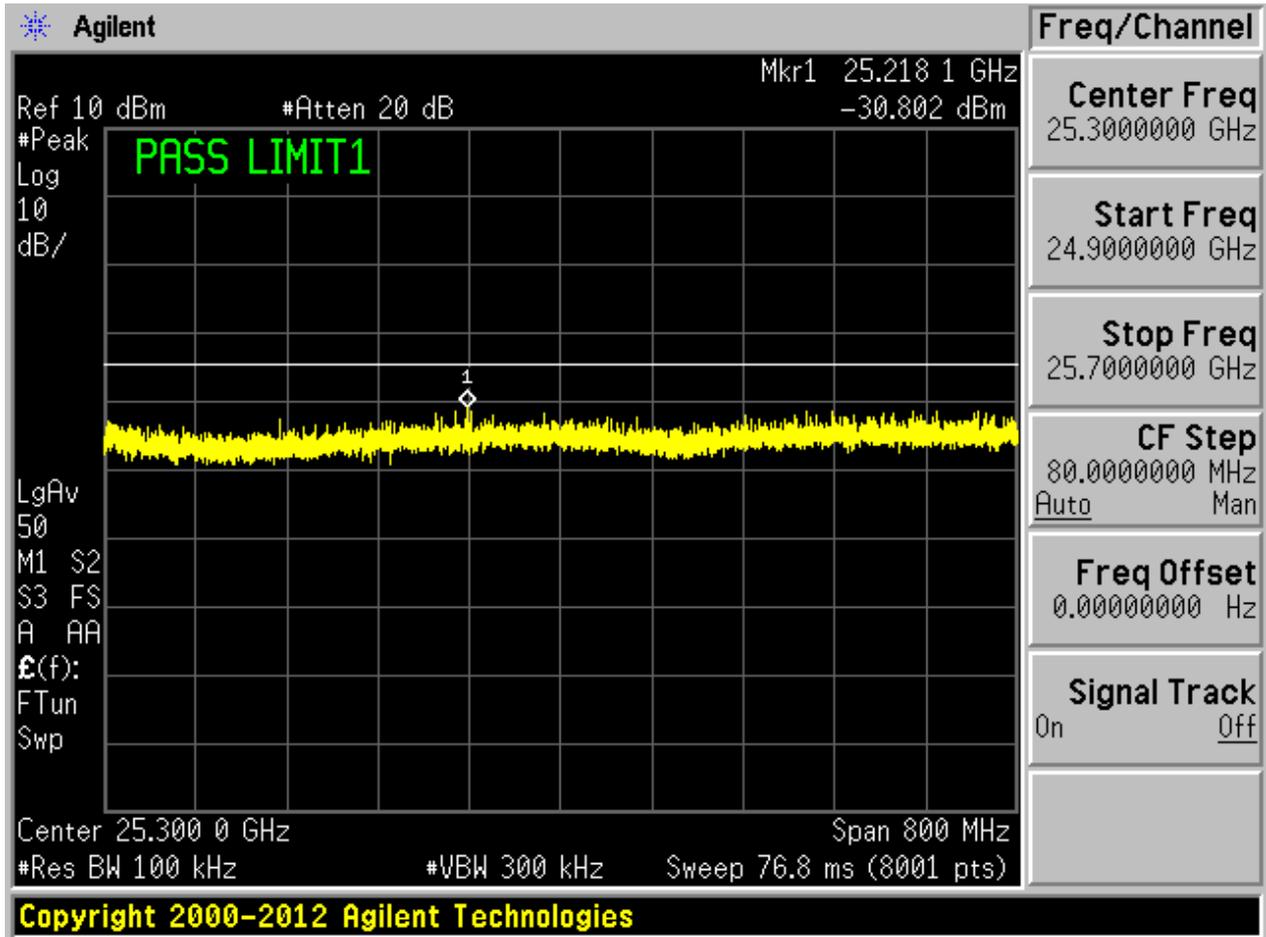


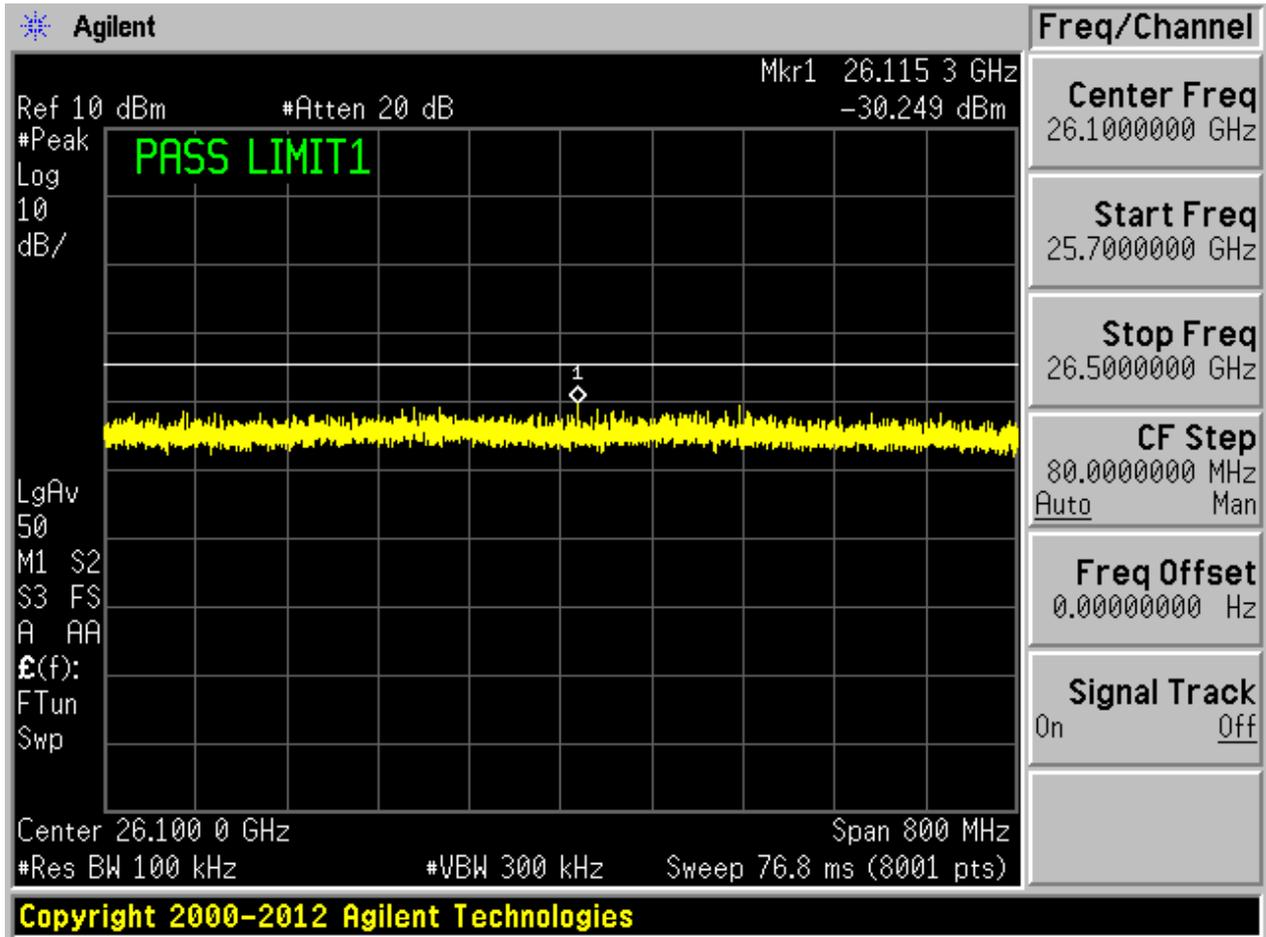














Annex F: Unwanted Emissions into Restricted Frequency Bands



The whole testing range is from “9 kHz to 26.5 GHz (10th harmonics)” is divided into 5 parts according to the test site settings, which are:

- (Part 1): Test range of “9 kHz to 30 MHz”,
- (Part 2): Test range of “30 MHz to 1 GHz”,
- (Part 3): Test range of “1 GHz to 3 GHz”,
- (Part 4): Test range of “3 GHz to 18 GHz”, and
- (Part 5): Test range of “18 GHz to 26.5 GHz”.

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

In this Annex, only the test results and plots under the worst case can be reported. In the result table, the “< Limit” denotes that “Not found obvious spikes or see marked spikes on plots and listed emissions records”.

1 Result Table

Test Range	EUT Conf.	Emissions	Verdict
9 kHz to 30 MHz	Worst Case (11G/6_T@1)	< Limit	Pass
30 MHz to 1 GHz	Worst Case (11G/6_T@1)	< Limit	Pass
1 GHz to 3 GHz	Worse Case (11B/1_B@1)	< Limit	Pass
	Worse Case (11B/1_M@1)	< Limit	Pass
	Worse Case (11B/1_T@1)	< Limit	Pass
3 GHz to 18 GHz	Worse Case (11G/6_B@1)	< Limit	Pass
	Worse Case (11G/6_M@1)	< Limit	Pass
	Worse Case (11G/6_T@1)	< Limit	Pass
	Worse Case (11N20/0_B@1)	< Limit	Pass
	Worse Case (11N20/0_M@1)	< Limit	Pass
	Worse Case (11N20/0_T@1)	< Limit	Pass
18 GHz to 26.5 GHz	Worse Case (11N40/0_B@1)	< Limit	Pass
	Worse Case (11N40/0_T@1)	< Limit	Pass
	Worse Case (11B/1_B@1)	< Limit	Pass
	Worse Case (11B/1_M@1)	< Limit	Pass
	Worse Case (11B/1_T@1)	< Limit	Pass
	Worse Case (11G/6_B@1)	< Limit	Pass
	Worse Case (11G/6_M@1)	< Limit	Pass
	Worse Case (11G/6_T@1)	< Limit	Pass
18 GHz to 26.5 GHz	Worst Case (11G/6_T@1)	< Limit	Pass

1 Result Plot

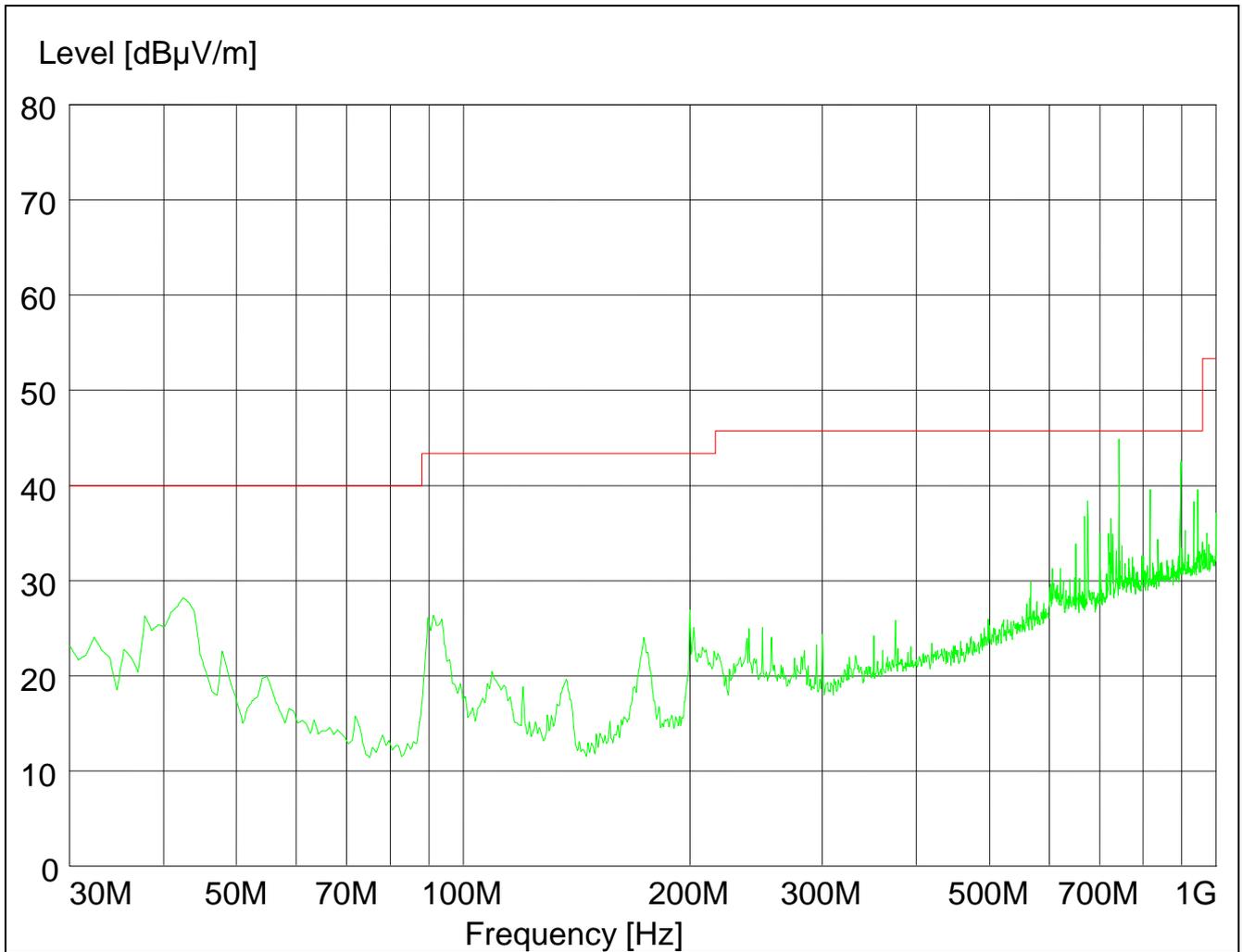
1.1 Test range of “9 kHz to 30 MHz”

1.1.1 Worst Case (11G/6_T@1)

(No obvious emissions)

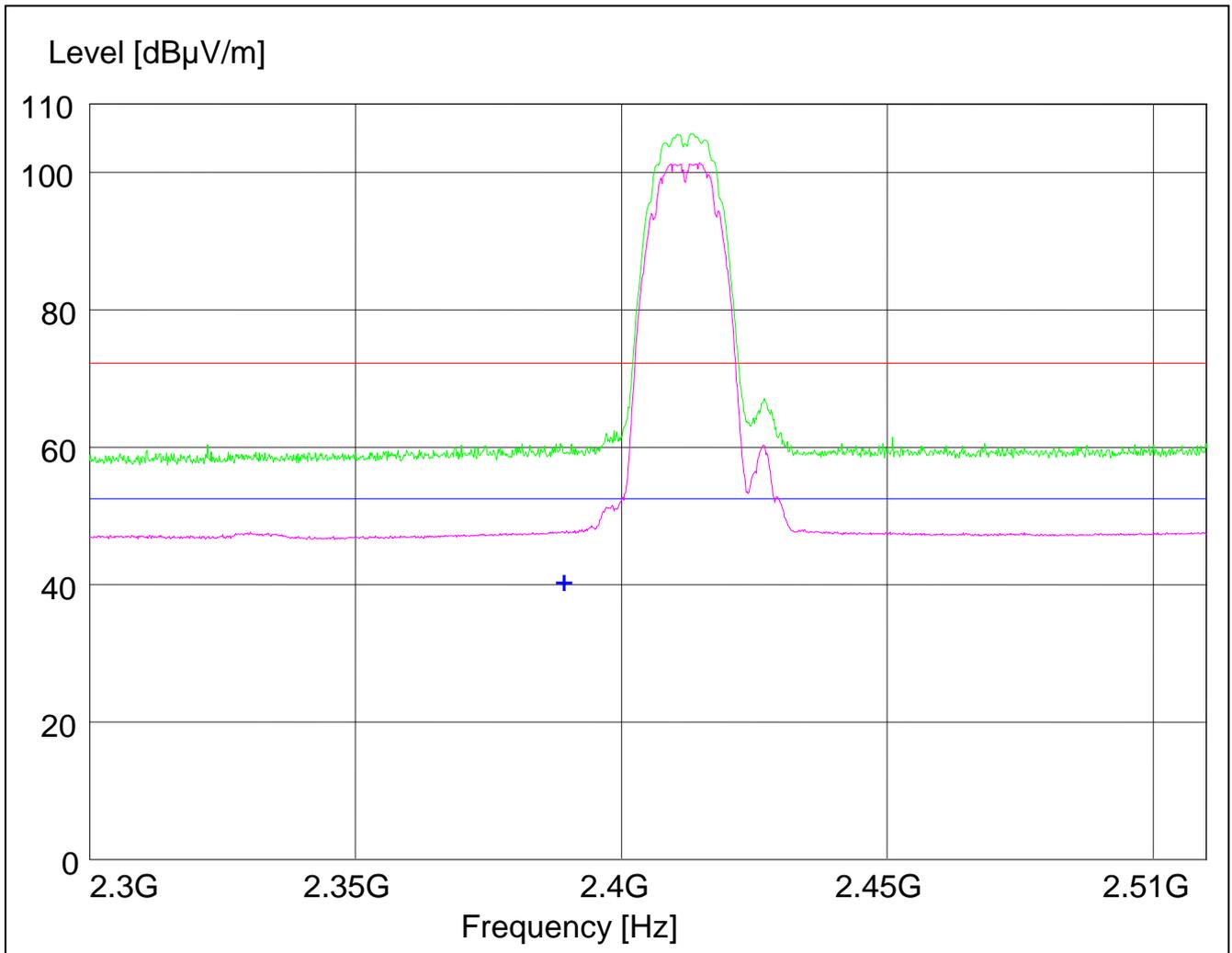
1.2 Test range of “30 MHz to 1 GHz”

1.2.1 Worst Case (11G/6_T@1)



1.3 Test range of "1 GHz to 3 GHz"

1.3.1 Worse Case (11B/1_B@1)

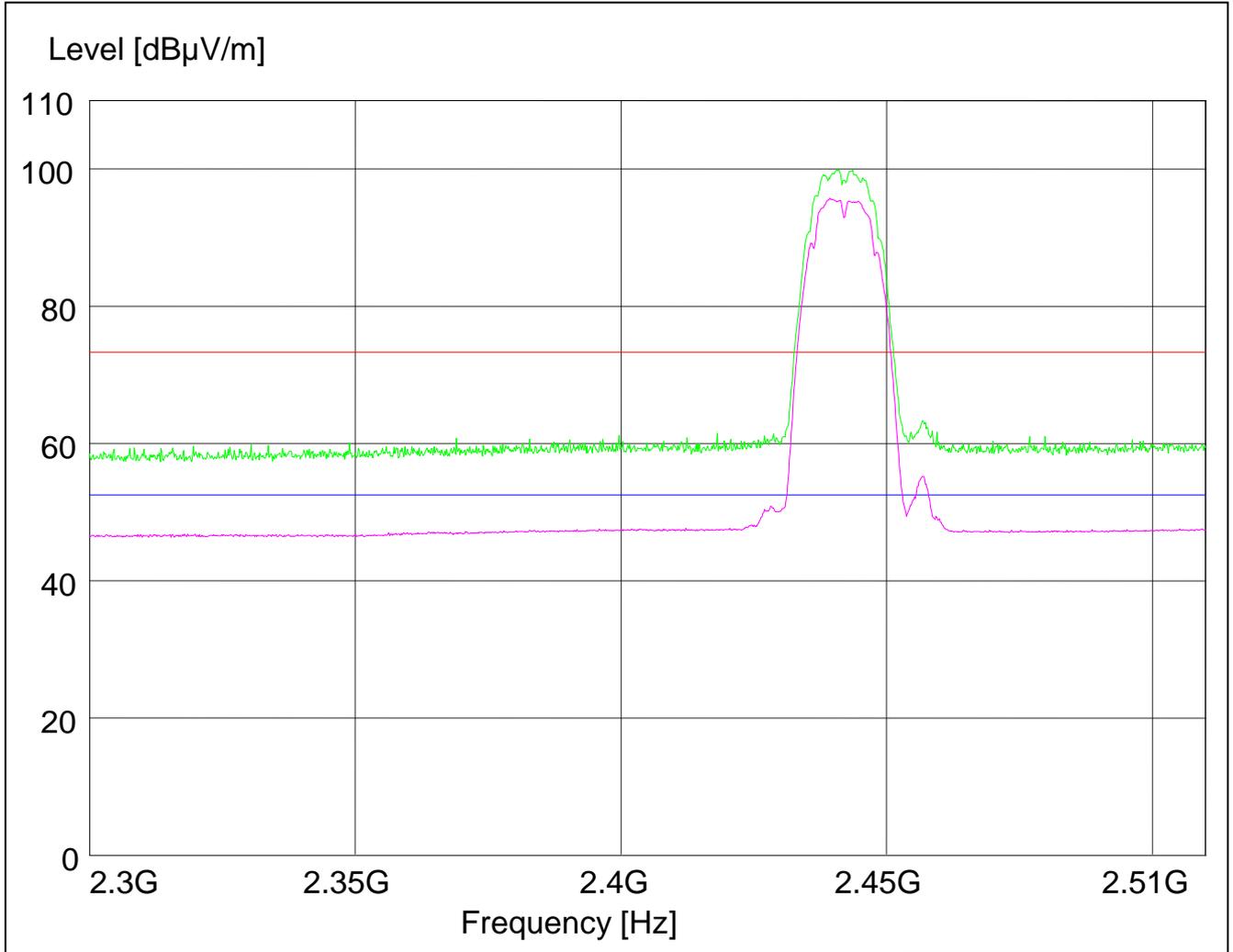


MEASUREMENT RESULT: "RH2013101777_fin2"

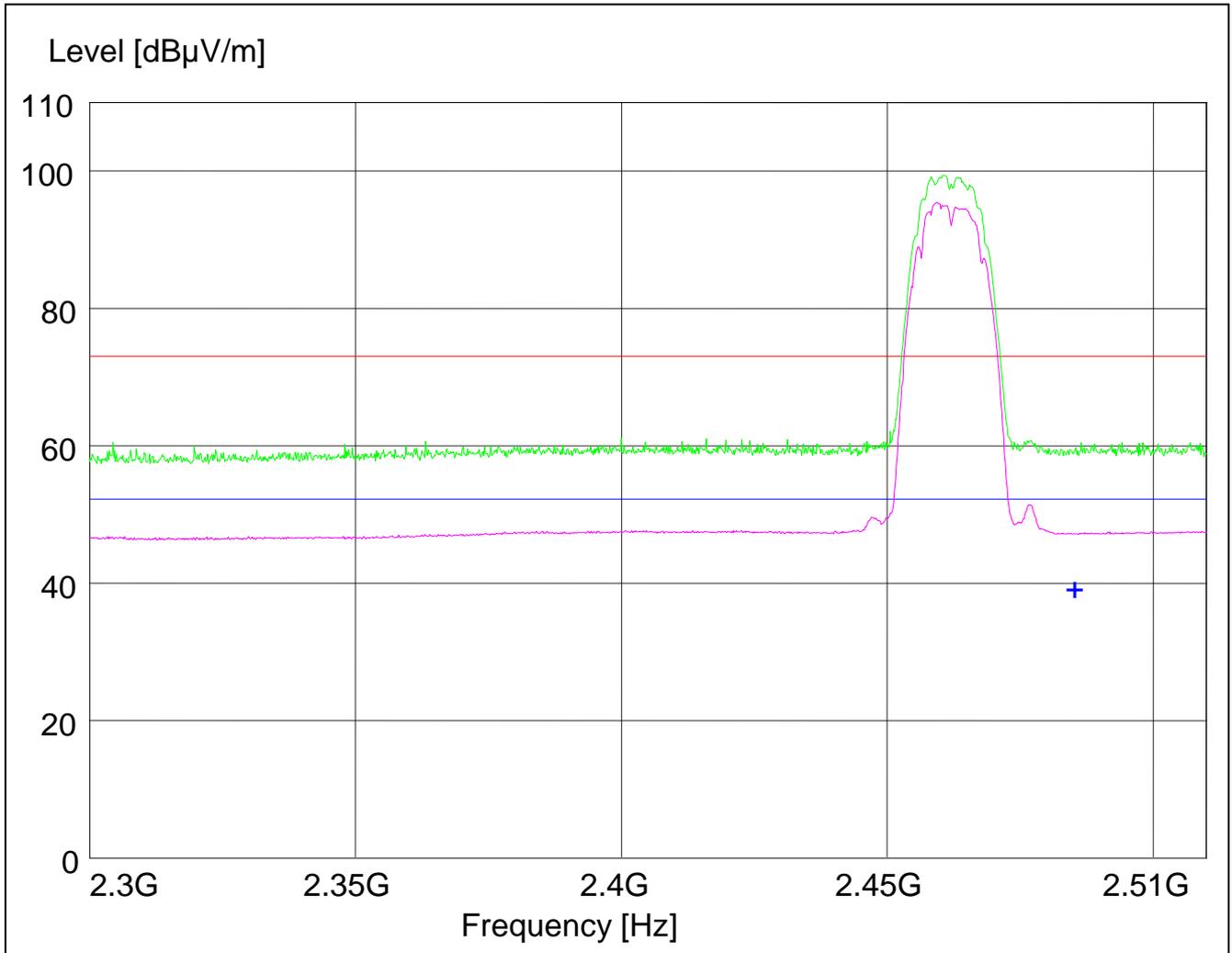
2013-10-17 18:40

Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
MHz	dBμV/m	dB	dBμV/m	dB	dB	cm	deg	deg
2389.000000	41.00	34.8	54	13.0	AV	100.0	203.00	VERTICAL

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



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

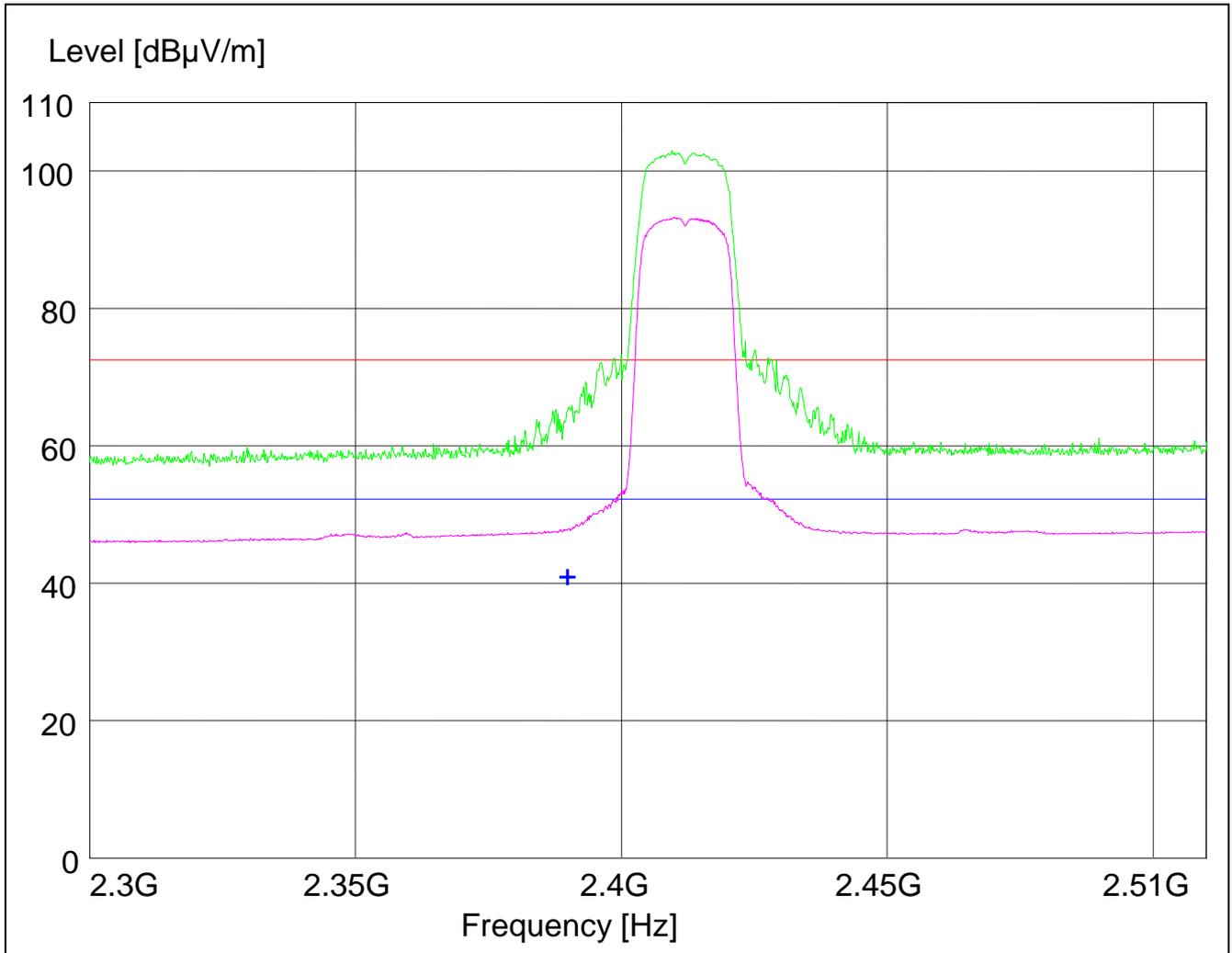


MEASUREMENT RESULT: "RH2013101780_fin2"

2013-10-17 19:33

Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
MHz	dBμV/m	dB	dBμV/m	dB	dB	cm	cm	deg
2485.000000	39.80	35.1	54	14.2	AV	199.0	88.00	HORIZONTAL

1.3.4 Worse Case (11G/6_B@1)

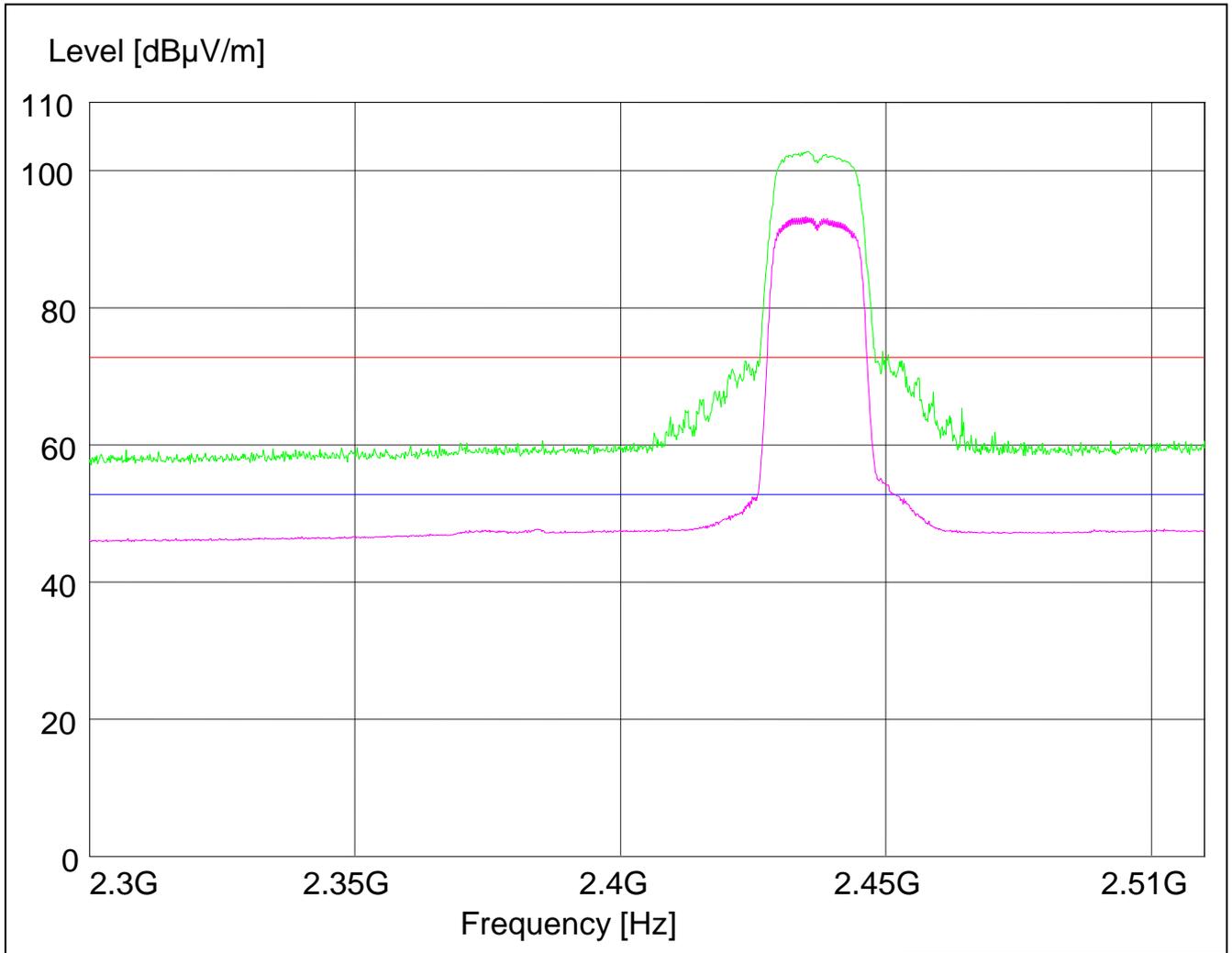


MEASUREMENT RESULT: "RH2013101781_fin2"

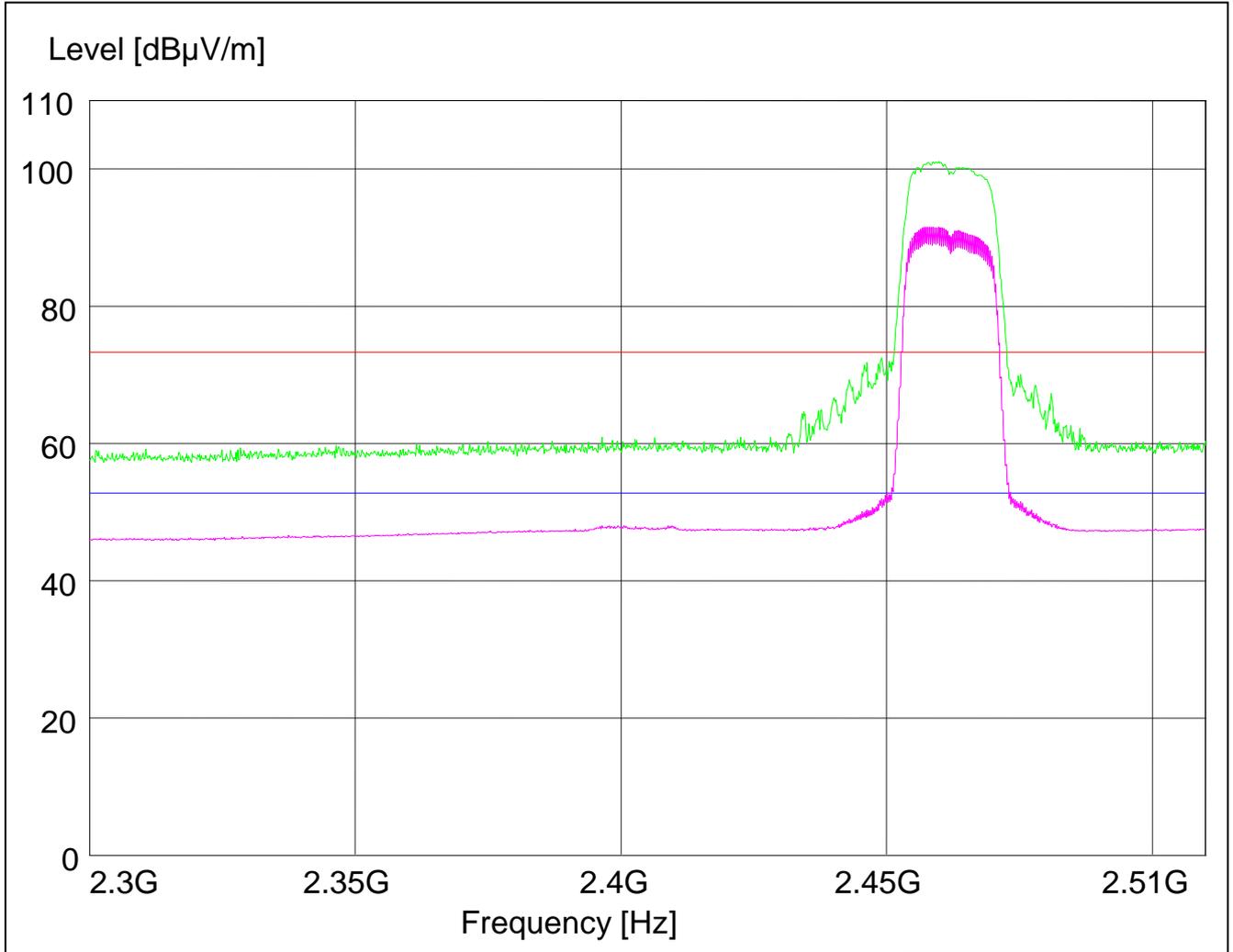
2013-10-17 19:43

Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
MHz	dBµV/m	dB	dBµV/m	dB	dB	cm	deg	deg
2389.500000	41.80	34.8	54	12.2	AV	100.0	208.00	VERTICAL

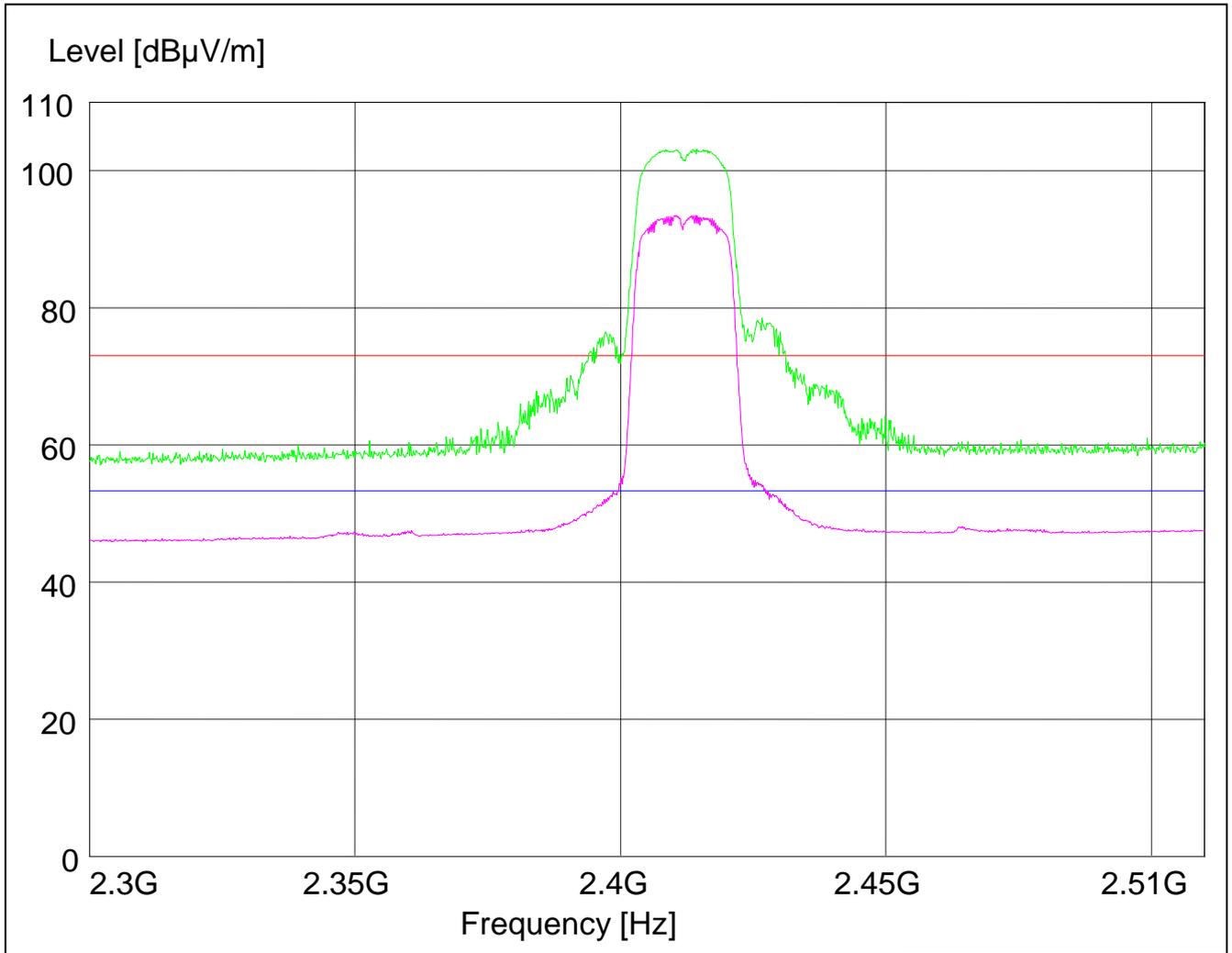
1.3.5 Worse Case (11G/6_M@1)



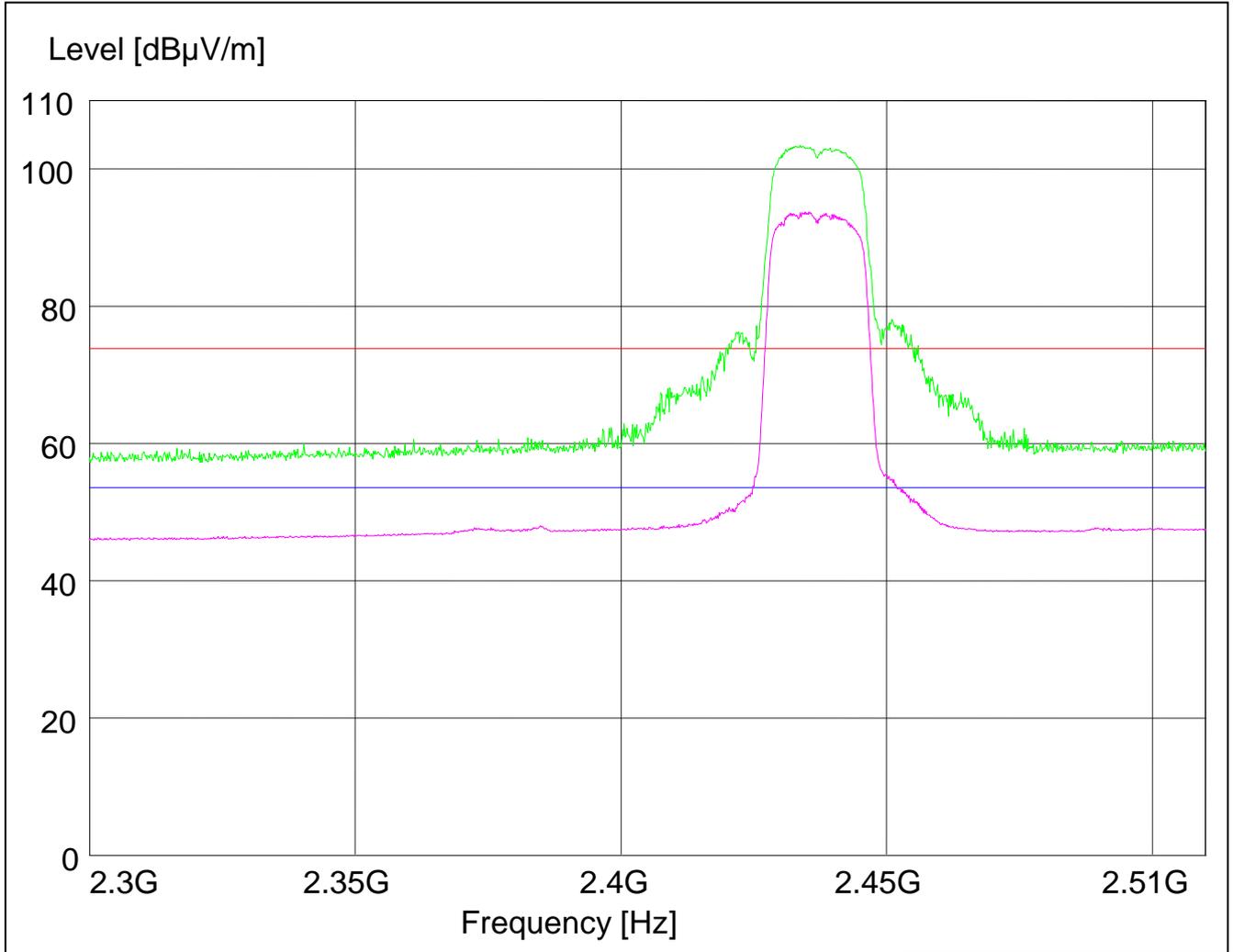
1.3.6 Worse Case (11G/6_T@1)



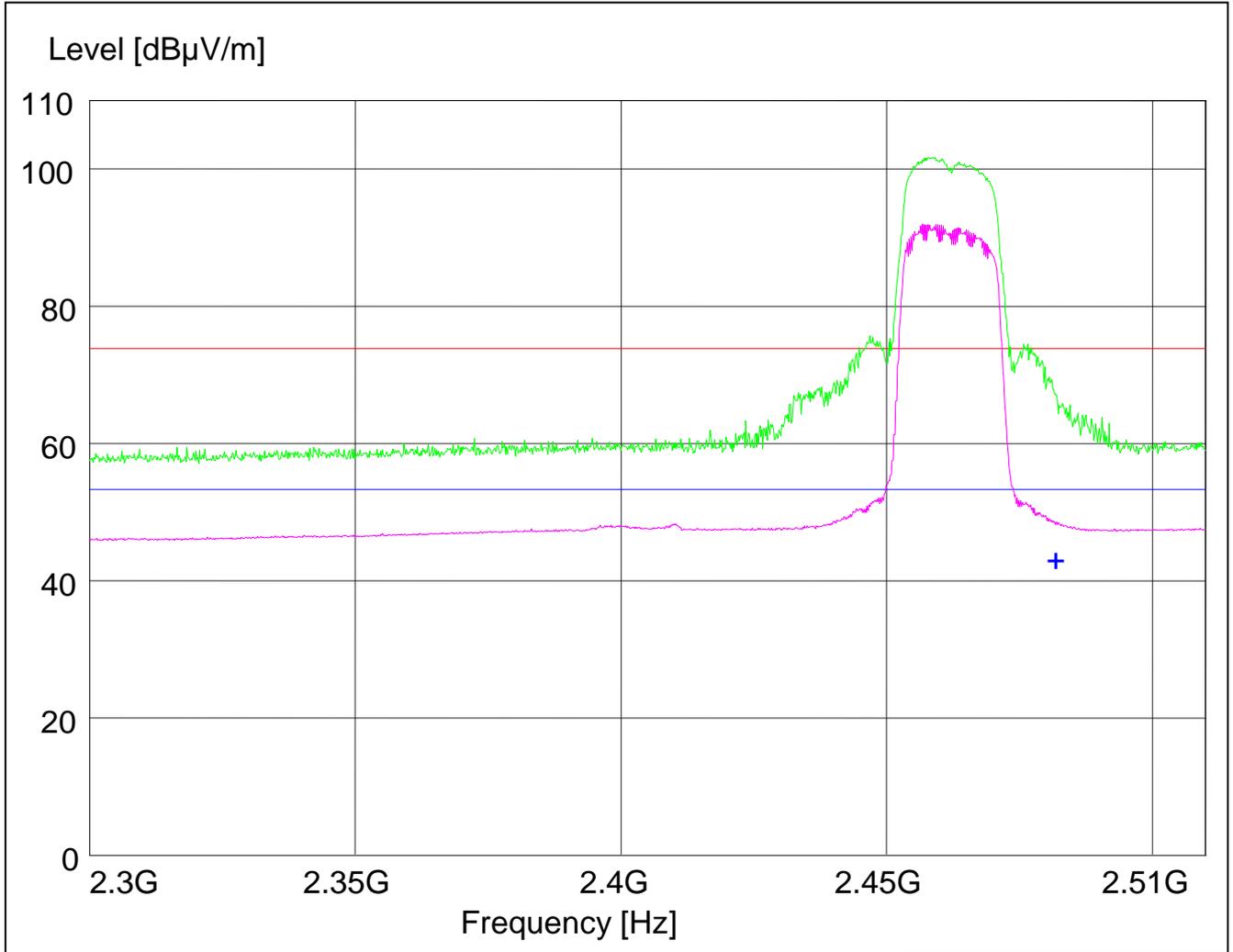
1.3.7 Worse Case (11N20/0_B@1)



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



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

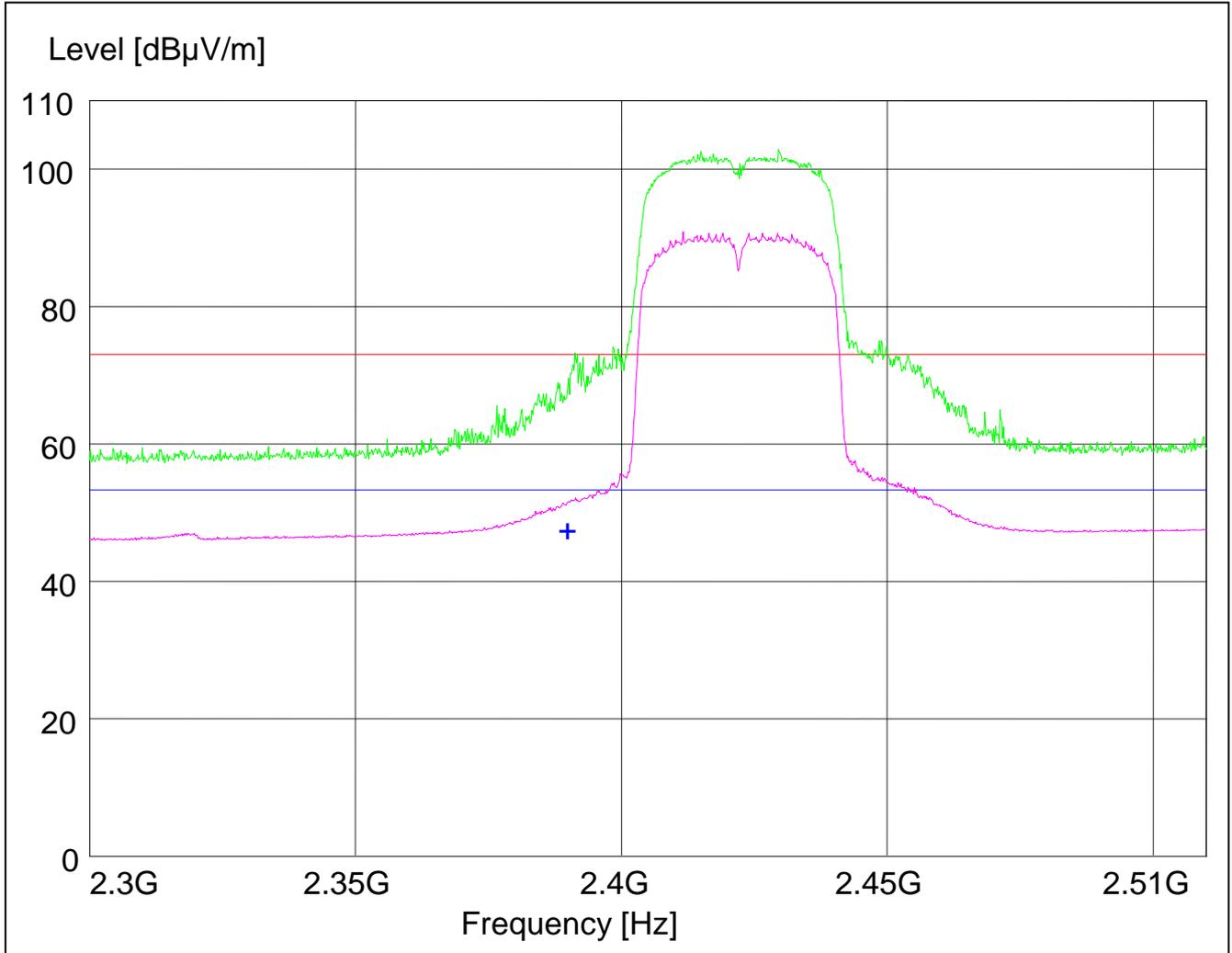


MEASUREMENT RESULT: "RH2013101786_fin2"

2013-10-17 20:12

Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
MHz	dBμV/m	dB	dBμV/m	dB	dB	cm	cm	deg
2481.500000	43.70	35.1	54	10.3	AV	118.0	216.00	VERTICAL

1.3.10 Worse Case (11N40/0_B@1)

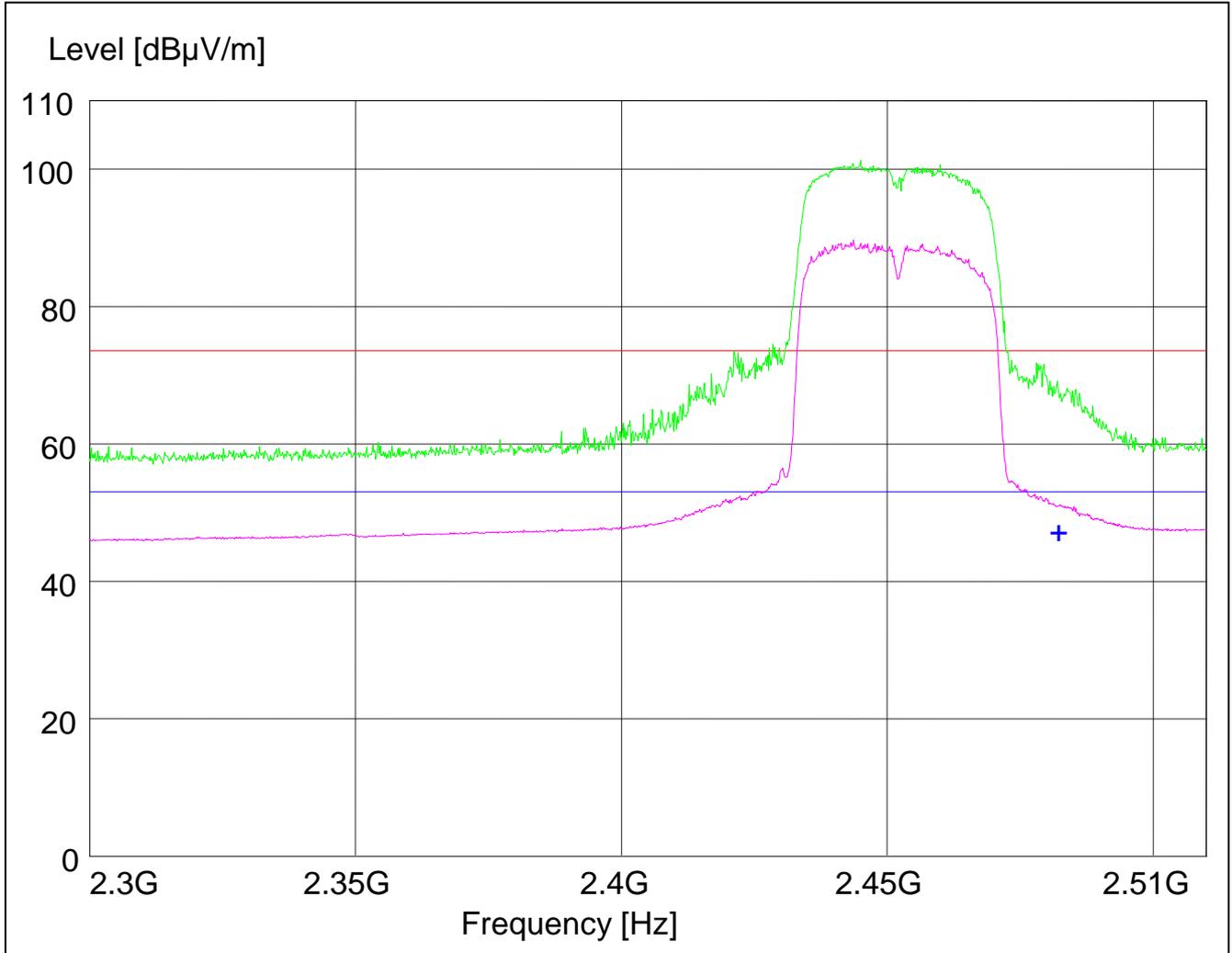


MEASUREMENT RESULT: "RH2013101787_fin2"

2013-10-17 20:24

Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
MHz	dBμV/m	dB	dBμV/m	dB	dB	cm	deg	deg
2389.500000	48.10	34.8	54	5.9	AV	100.0	209.00	VERTICAL

1.3.11 Worse Case (11N40/0_T@1)



MEASUREMENT RESULT: "RH2013101788_fin2"

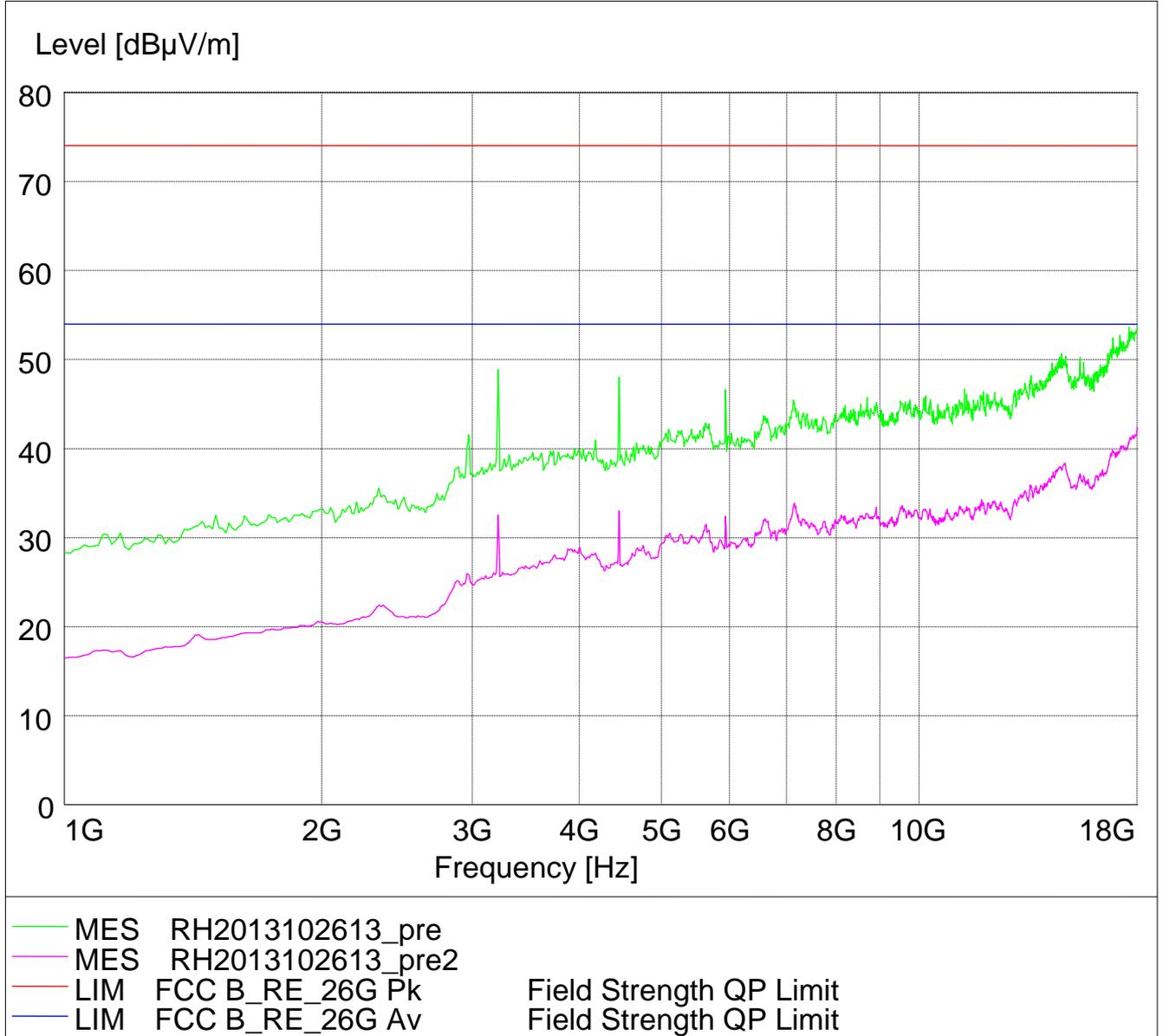
2013-10-17 20:32

Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
MHz	dBµV/m	dB	dBµV/m	dB	dB	cm	deg	deg
2482.000000	47.90	35.1	54	6.1	AV	100.0	219.00	VERTICAL

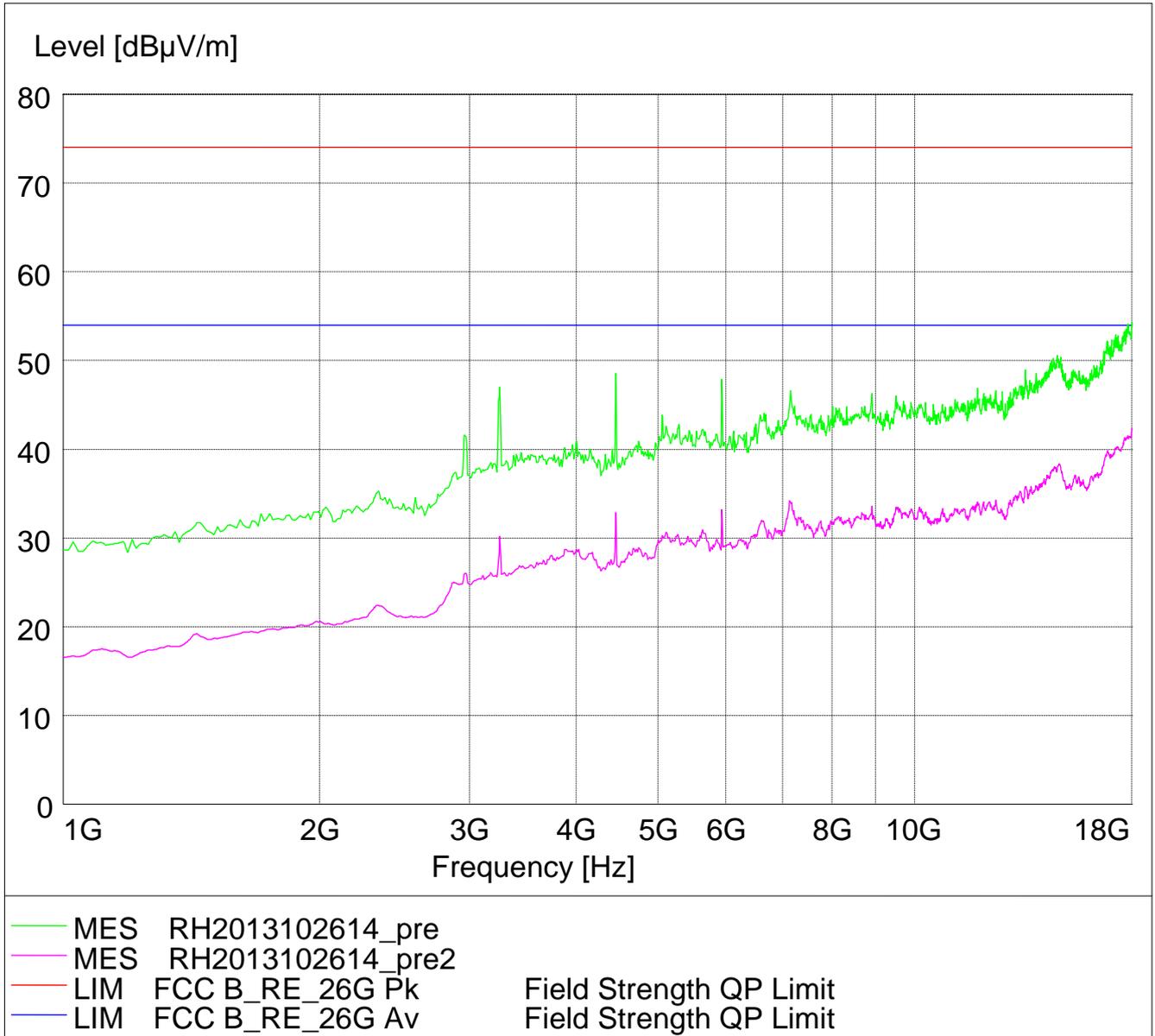


1.4 Test range of “3 GHz to 18 GHz”

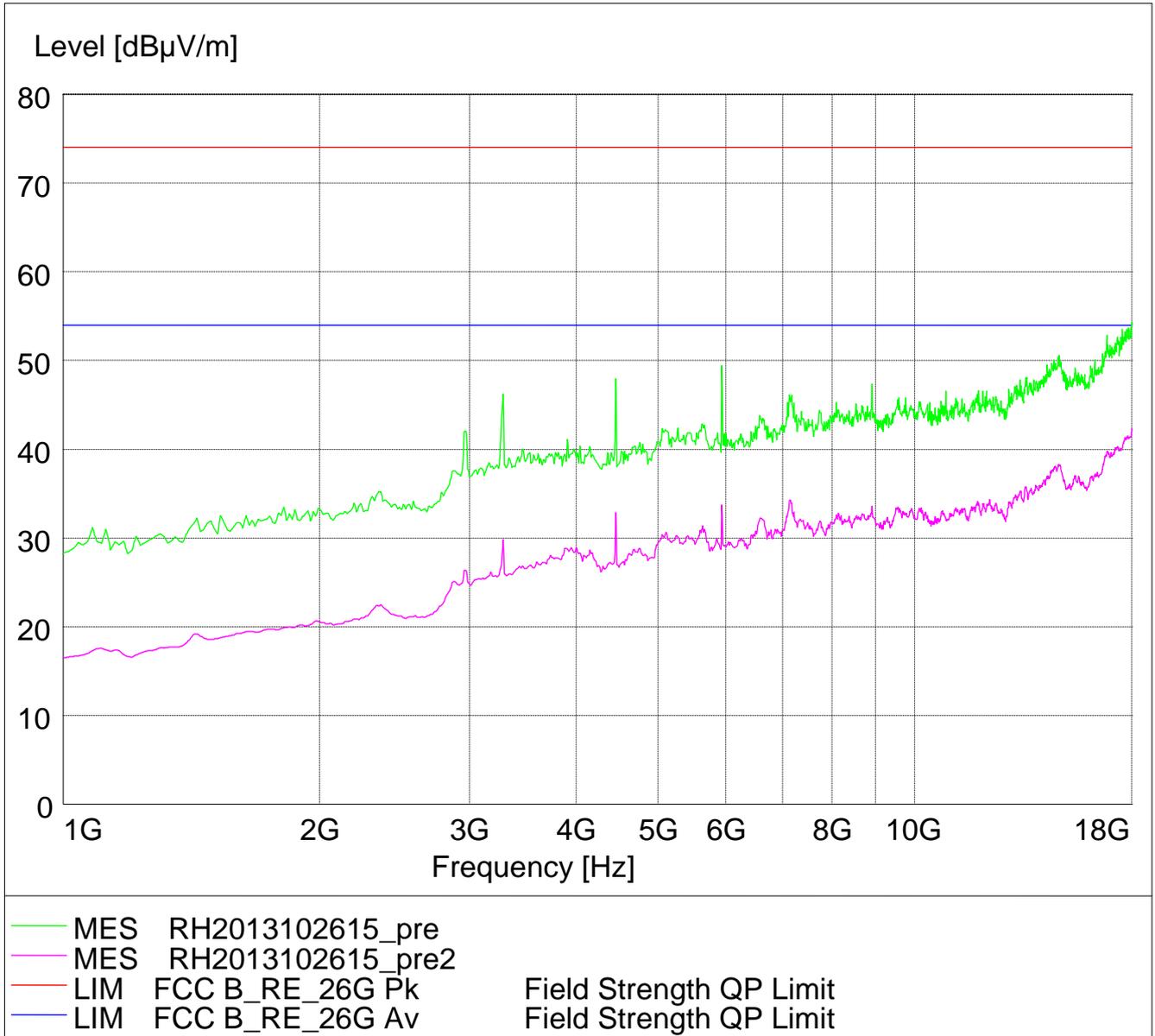
1.4.1 Worse Case (11B/1_B@1)



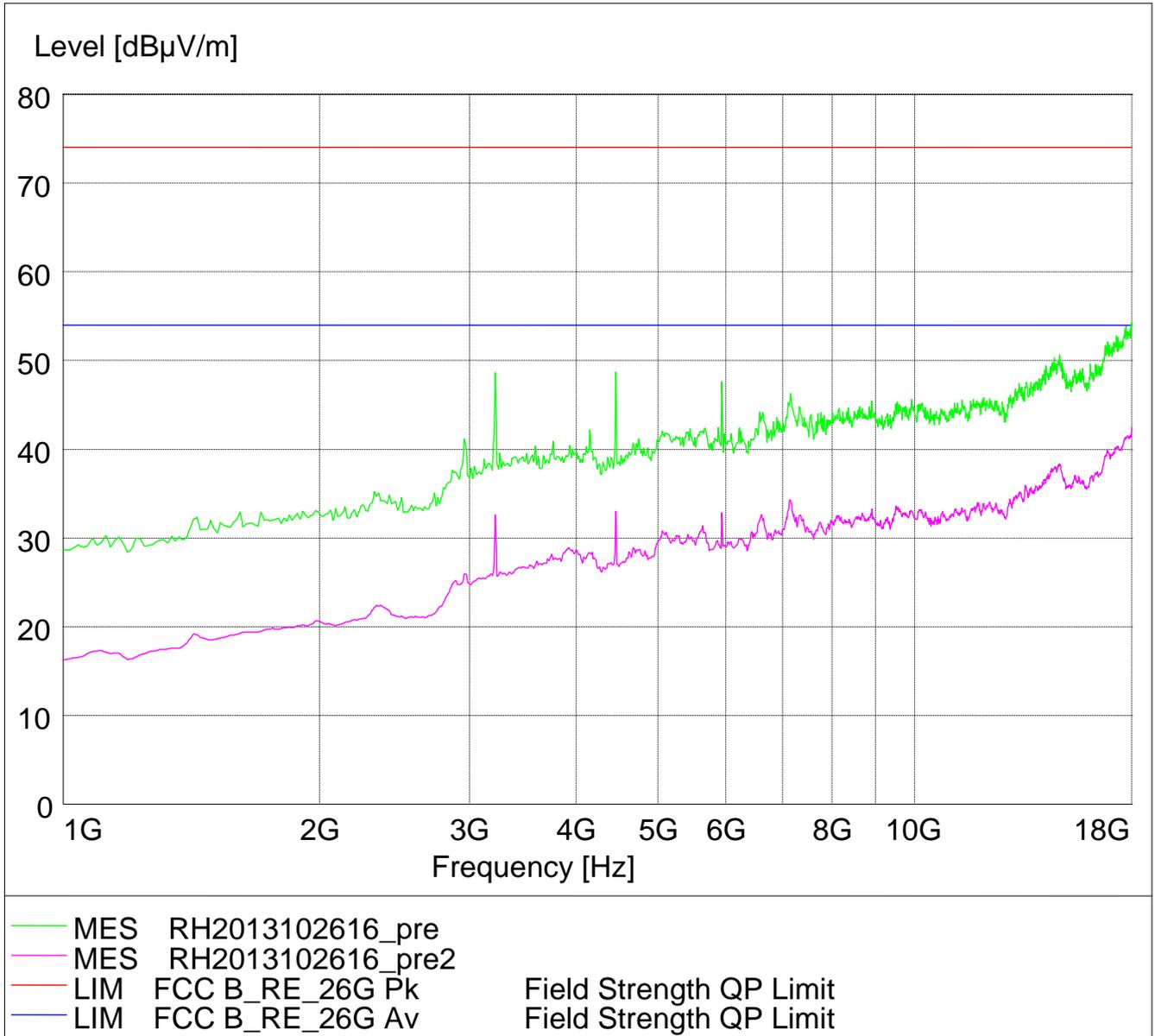
1.4.2 Worse Case (11B/1_M@1)



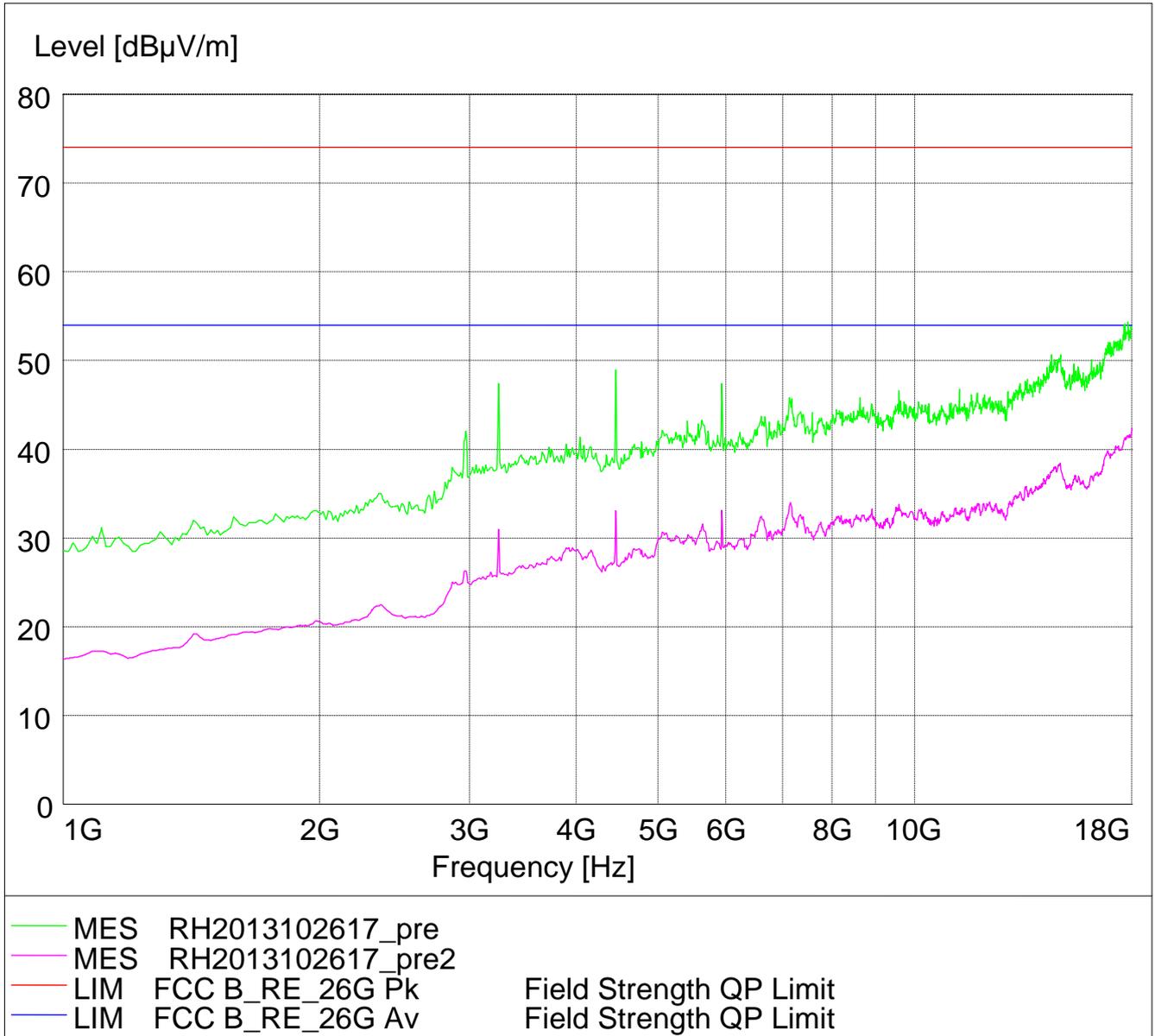
1.4.3 Worse Case (11B/1_T@1)



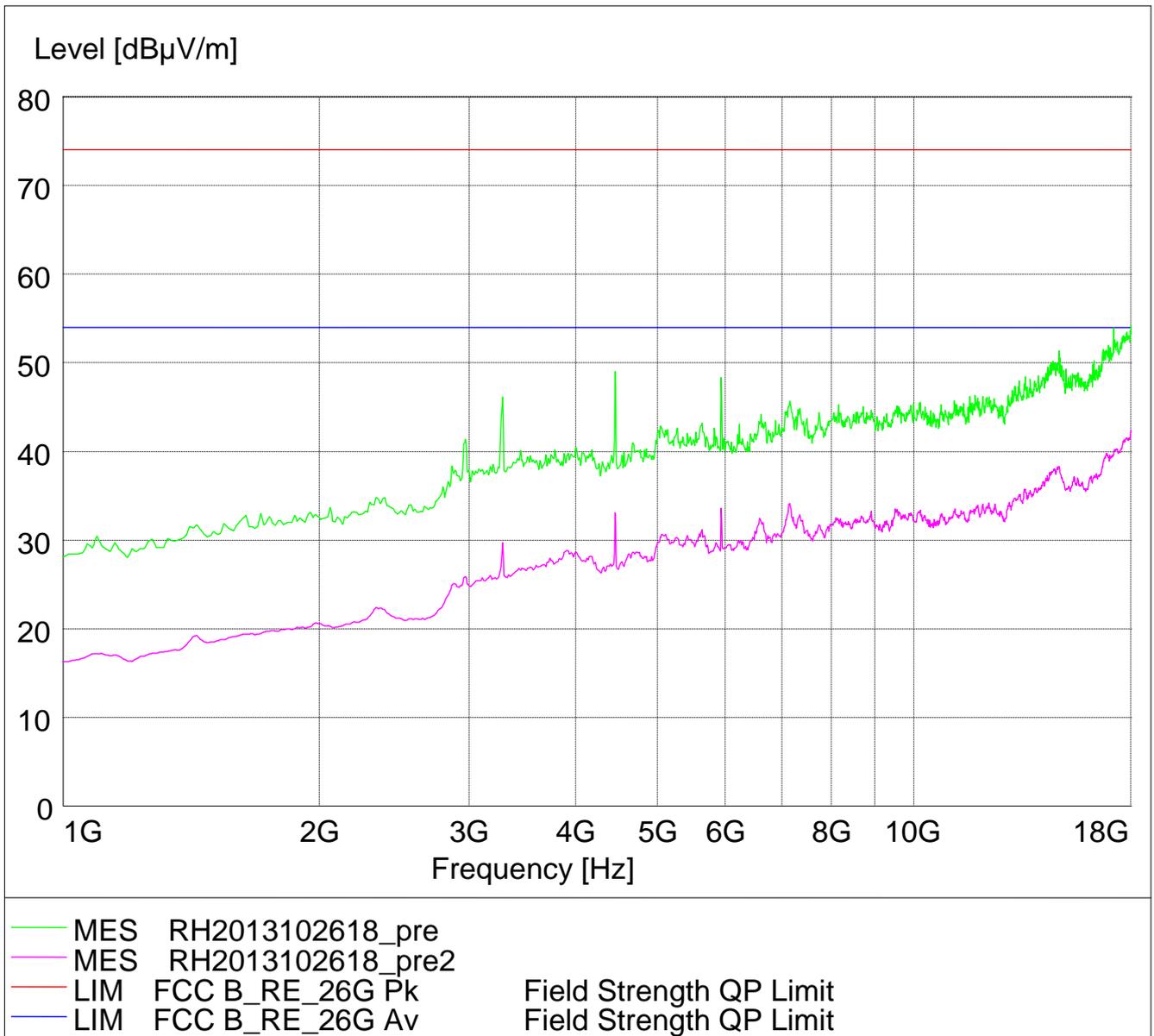
1.4.4 Worse Case (11G/6_B@1)



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



1.4.6 Worse Case (11G/6_T@1)



1.5 Test range of “18 GHz to 26.5 GHz”

1.5.1 Worst Case (11G/6_T@1)

(No obvious emissions)



Annex G: AC Power Line Conducted Emissions

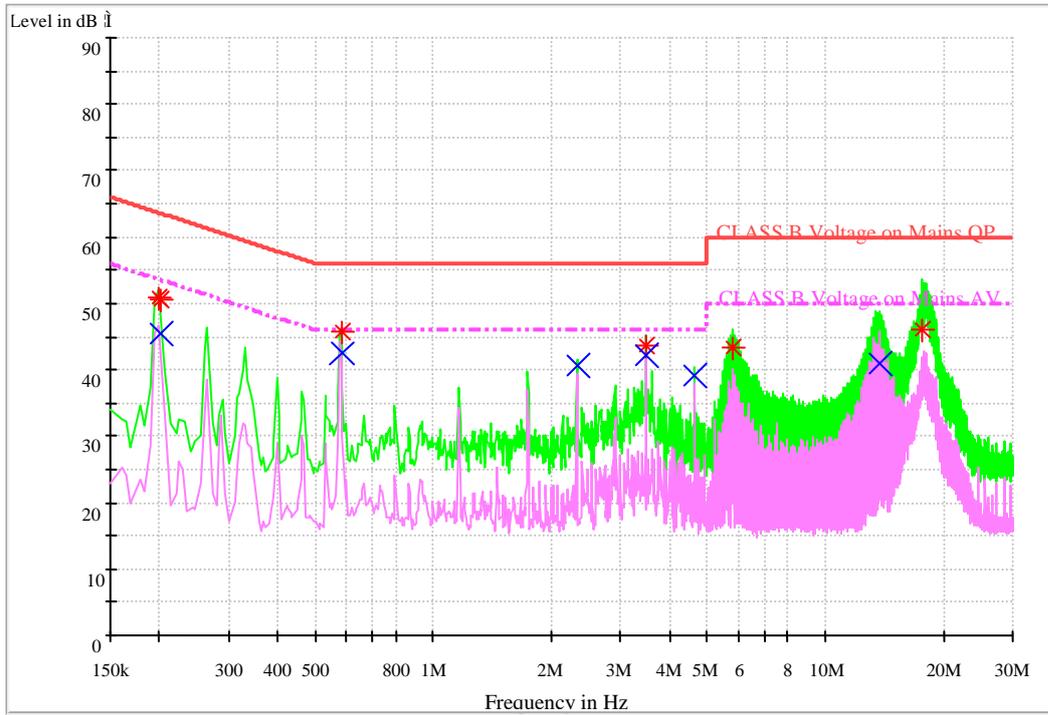


In this Annex, only the test results and plots under the worst case can be reported.

1 Result Table

EUT Conf.	Maximum Emissions	Verdict
11G/6_T@1	Not found obvious spikes or see marked spikes on plots and listed emissions records.	Pass

2 Result Plot



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.199452	51.0	N	9.7	12.6	63.6
0.201247	50.5	N	9.7	13.1	63.6
0.581167	45.8	N	9.7	10.2	56.0
3.486300	43.5	L1	9.8	12.5	56.0
5.799649	43.2	N	9.8	16.8	60.0
17.543148	46.1	N	10.1	13.9	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.200953	45.6	N	9.7	8.0	53.6
0.581344	42.3	N	9.7	3.7	46.0
2.325258	40.5	L1	9.7	5.5	46.0
3.487650	42.4	L1	9.8	3.6	46.0
4.649486	39.2	L1	9.8	6.8	46.0
13.799509	40.8	L1	10.0	9.2	50.0

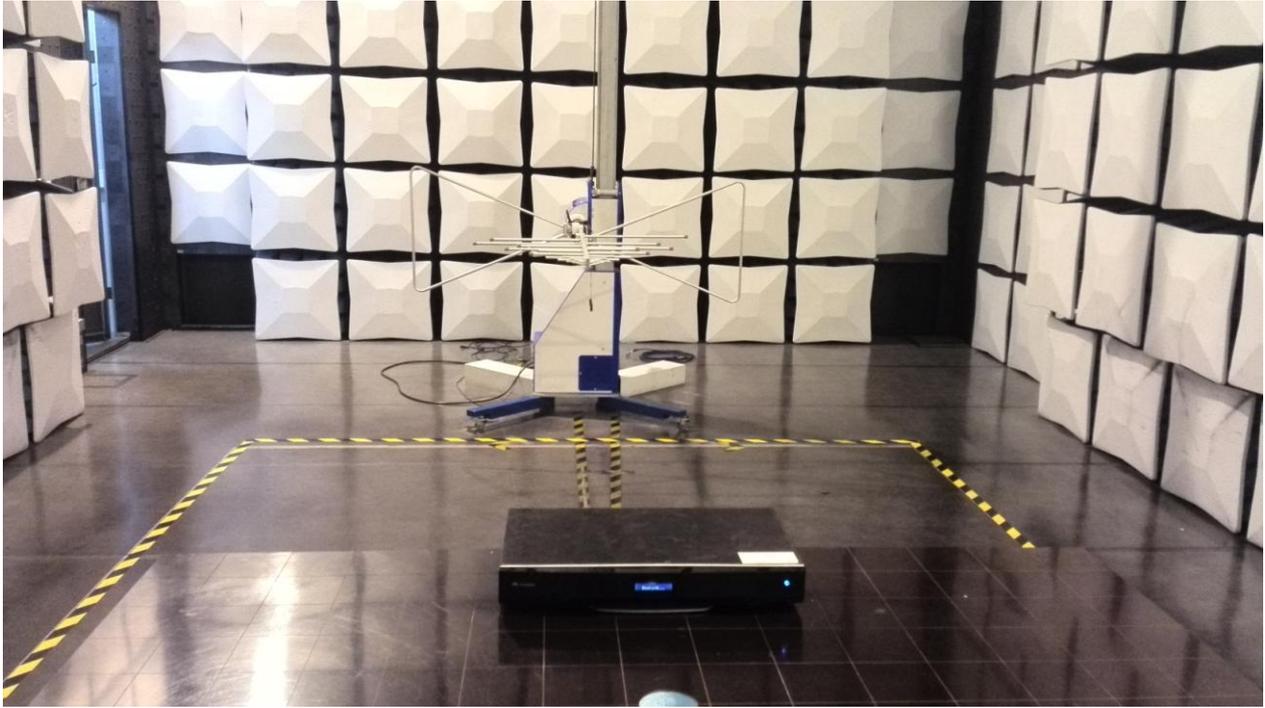


Annex H: Photos of Test Setups

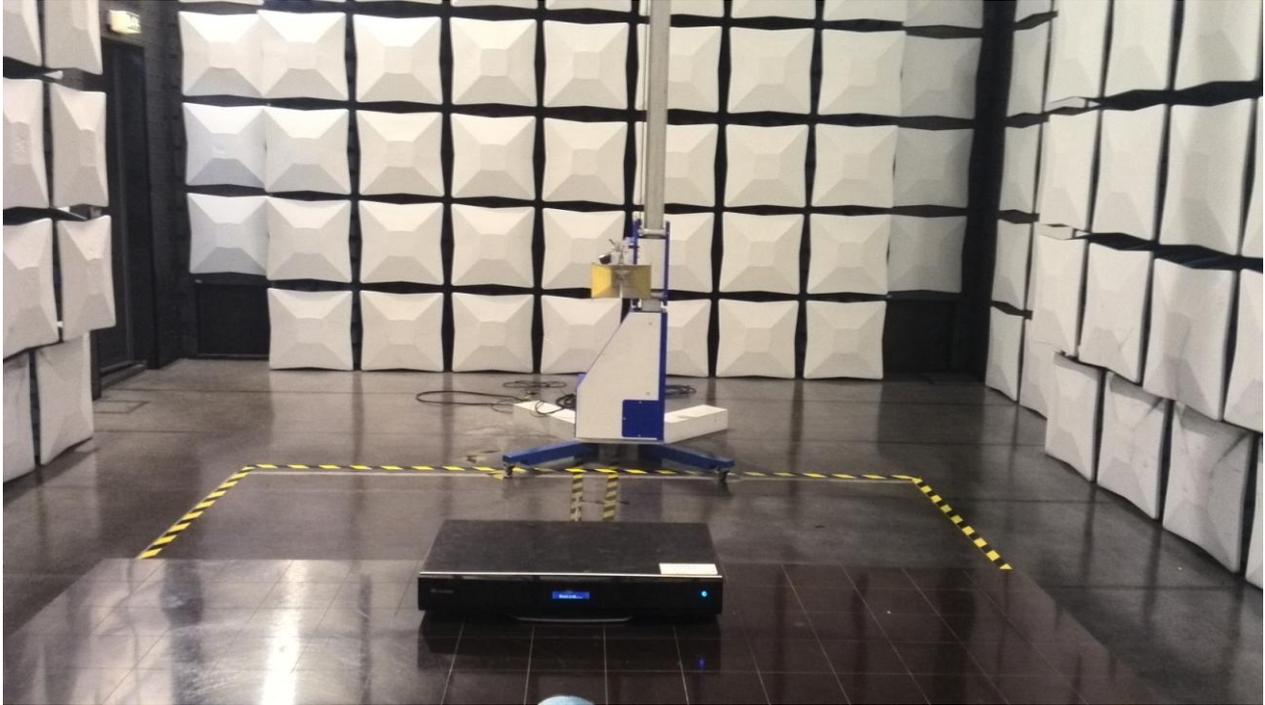
1 Test Setup 2

1.1 Radiated (Unwanted Emissions into Restricted Frequency Bands, cabinet/case emissions with impedance matching for antenna-port)

1.1.1 Measurement Setup below 1 GHz



1.1.2 Measurement Setup above 1 GHz



2 Test Setup 3



END