



Appendix A

Modulation Characteristics

According to FCC Part 2.1047 & Part22 Subpart H



Channel 283 (TM1)

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho						Call Parm		
Waveform Quality Setup ▾			Minimum	Maximum	Average			Cell 1 Power		
		Rho	0.9910	0.9968	0.9940			-75.00		
		Frequency Error (Hz)	-19.59	18.02	-9.57			dBm/1.23 MHz		
		Time Error (us)	-0.28	-0.27	-0.28			Cell Band		
		Carrier Feedthrough (dBc)	-72.39	-46.57	-52.86			US Cellular		
		Phase Error (°)	2.56	4.28	3.24			Channel		
		Mag Error (%)	3.34	6.10	5.26			283		
		100 / 100				Single				
		Channel Power								
		Channel Power 2.09 dBm/1.23 MHz								
		Expected Mobile Power: 2.00 dBm/1.23 MHz Measurement Speed: Normal								
						Continuous				
Swap Window Positions			Active Cell Connected			Sys Type: IS-2000				
						Logging: No Conn				
	1 of 2		IntRef	Offset	T				1 of 4	



Channel 283 (TM3)

Measurement/Instrument Screen											
Control	Waveform Quality: Numeric Rho							Call Parms			
Waveform Quality Setup ▾				Minimum	Maximum	Average		Cell 1 Power			
	Rho			0.9898	0.9953	0.9925		-101.00			
	Frequency Error (Hz)			-32.75	32.41	-7.99		dBm/1.23 MHz			
	Time Error (us)			-0.28	-0.27	-0.27		Cell Band			
	Carrier Feedthrough (dBc)			-73.88	-43.72	-52.40		US Cellular			
	Phase Error (°)			3.42	4.72	3.92		Channel			
	Mag Error (%)			3.04	6.53	5.26		283			
	EVM (%)			6.90	10.17	8.65		Protocol Rev			
Change View	100 / 100						Single				
Swap Window Positions	Channel Power										
	<p>Channel Power</p> <p>23.69 dBm/1.23 MHz</p> <p>Expected Mobile Power: 23.00 dBm/1.23 MHz Measurement Speed: Normal</p> <p>Continuous</p>										
	Active Cell Connected				Sys Type: IS-2000					Radio Config	
					Logging: No Conn					(Fud3, Rvs3)	
1 of 2				IntRef	Offset	T				S055 (Loopback)	
										FCH Service Option Setup ▾	
									1 of 4		

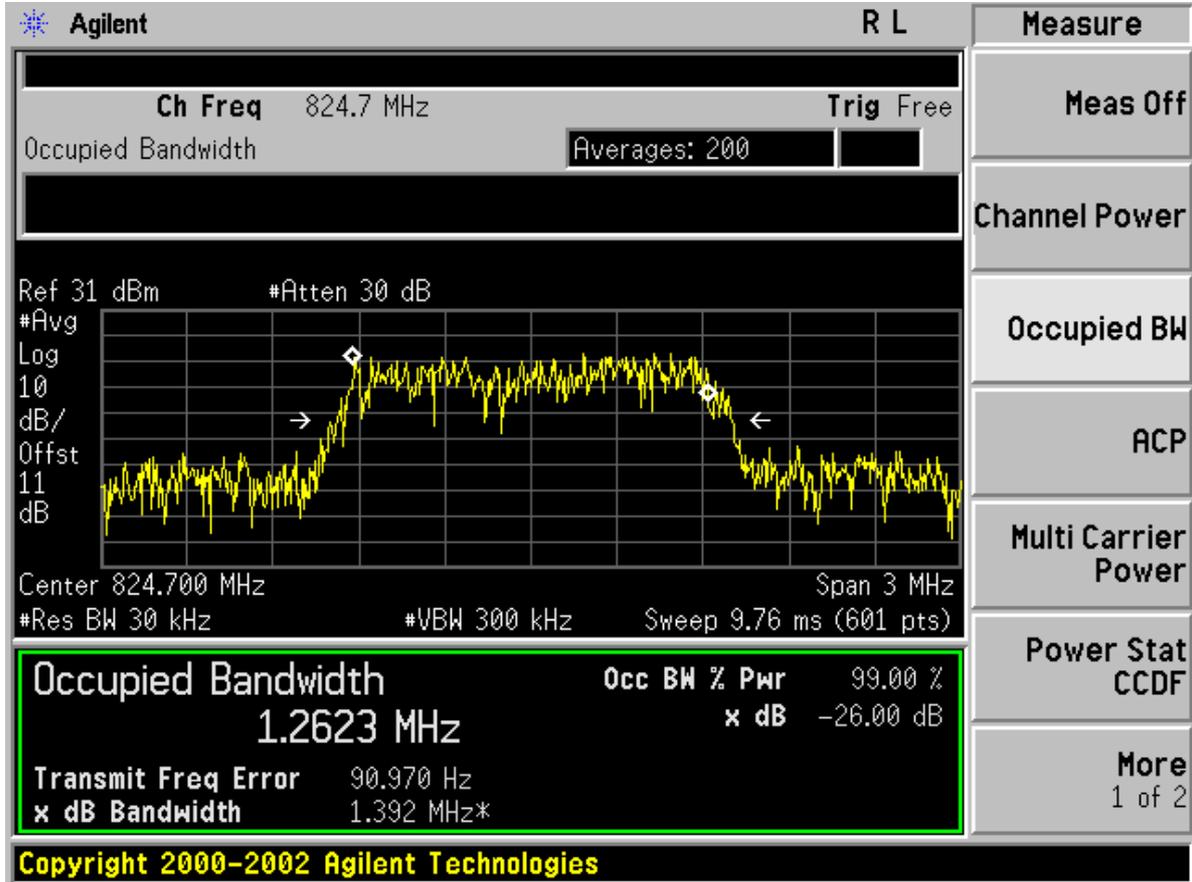


Appendix B

Occupied Bandwidth According to FCC Part 2.1049 & Part 22 Subpart H

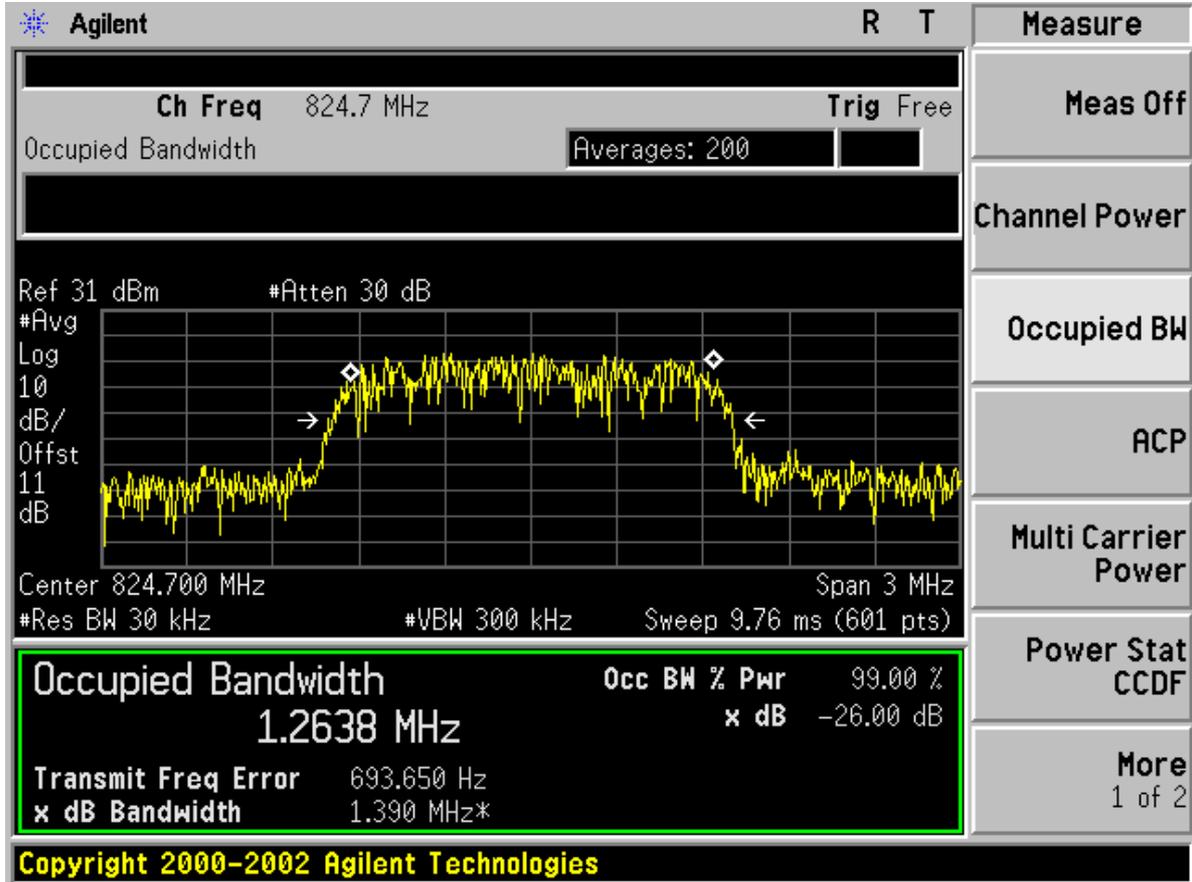


Channel 1013 (TM1)



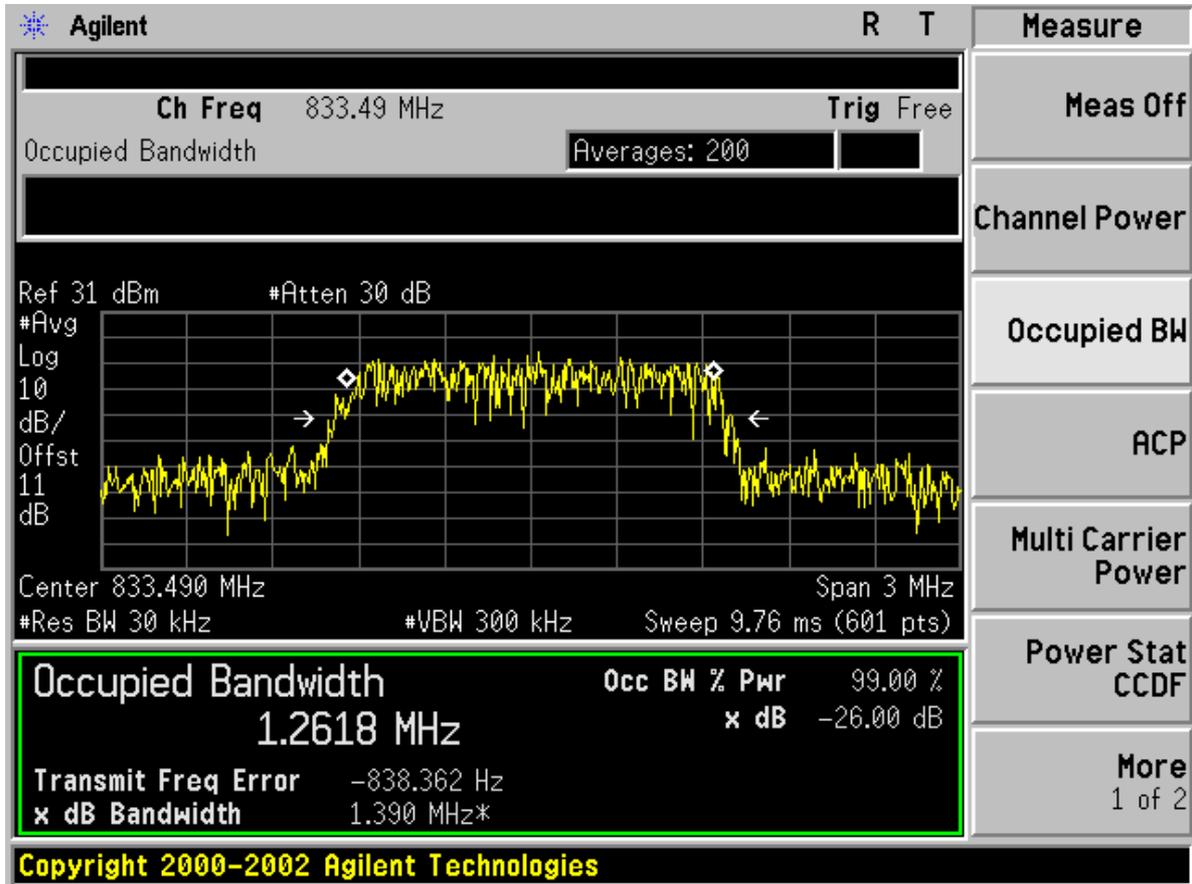


Channel 1013 (TM3)



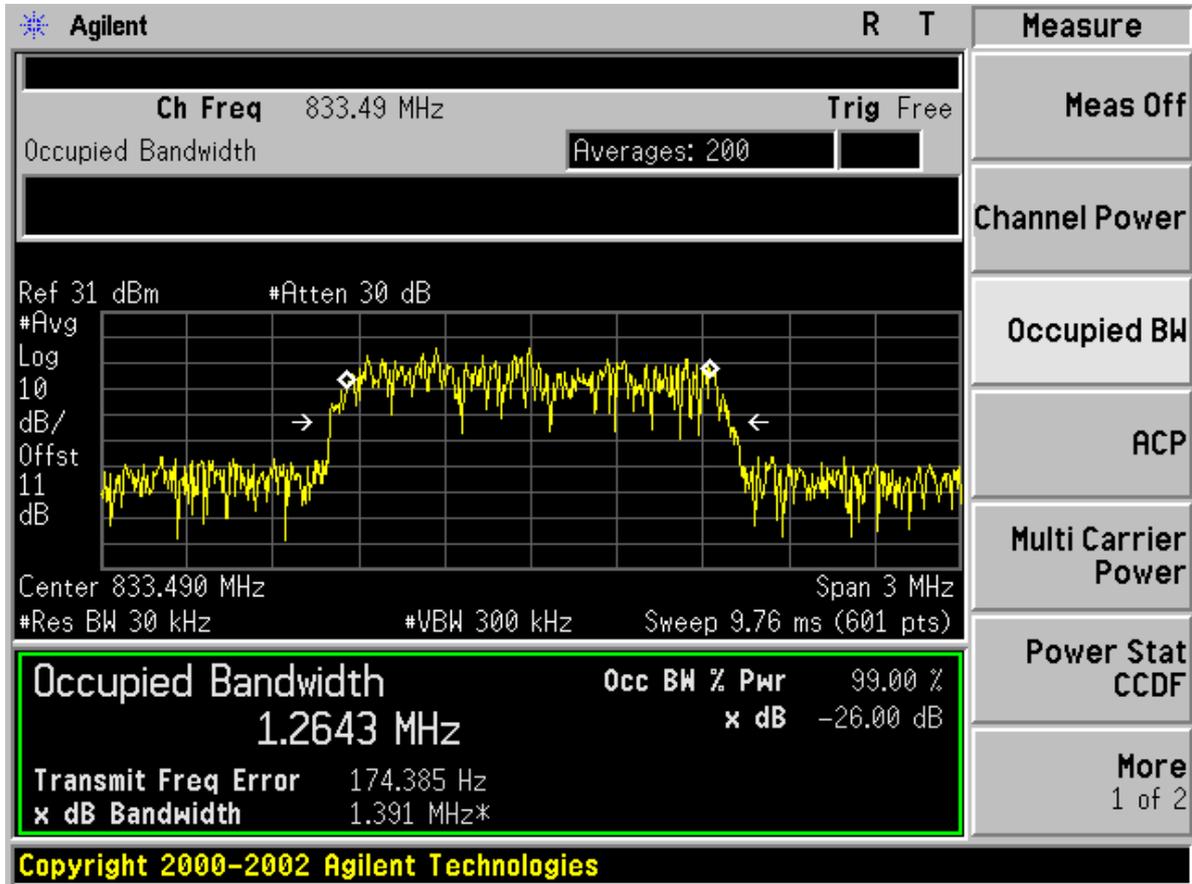


Channel 283 (TM1)



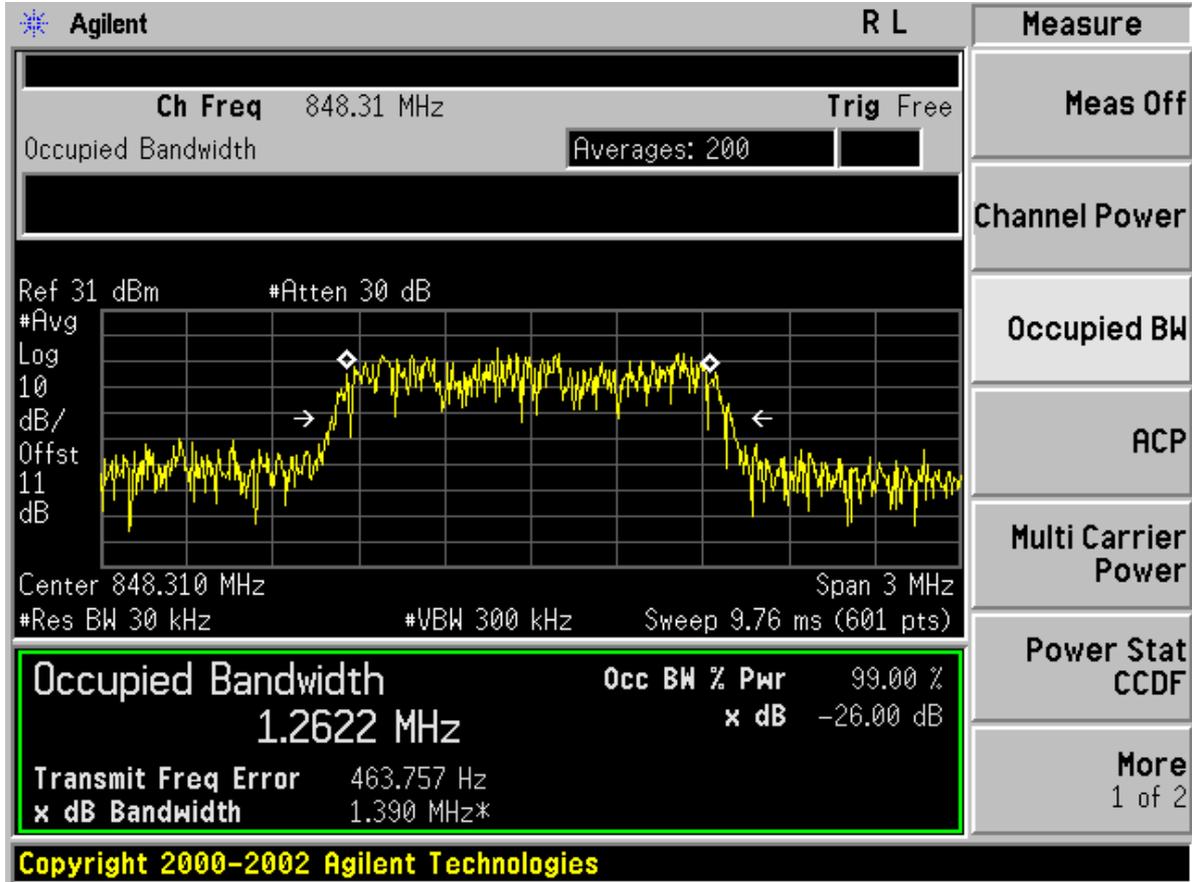


Channel 283 (TM3)



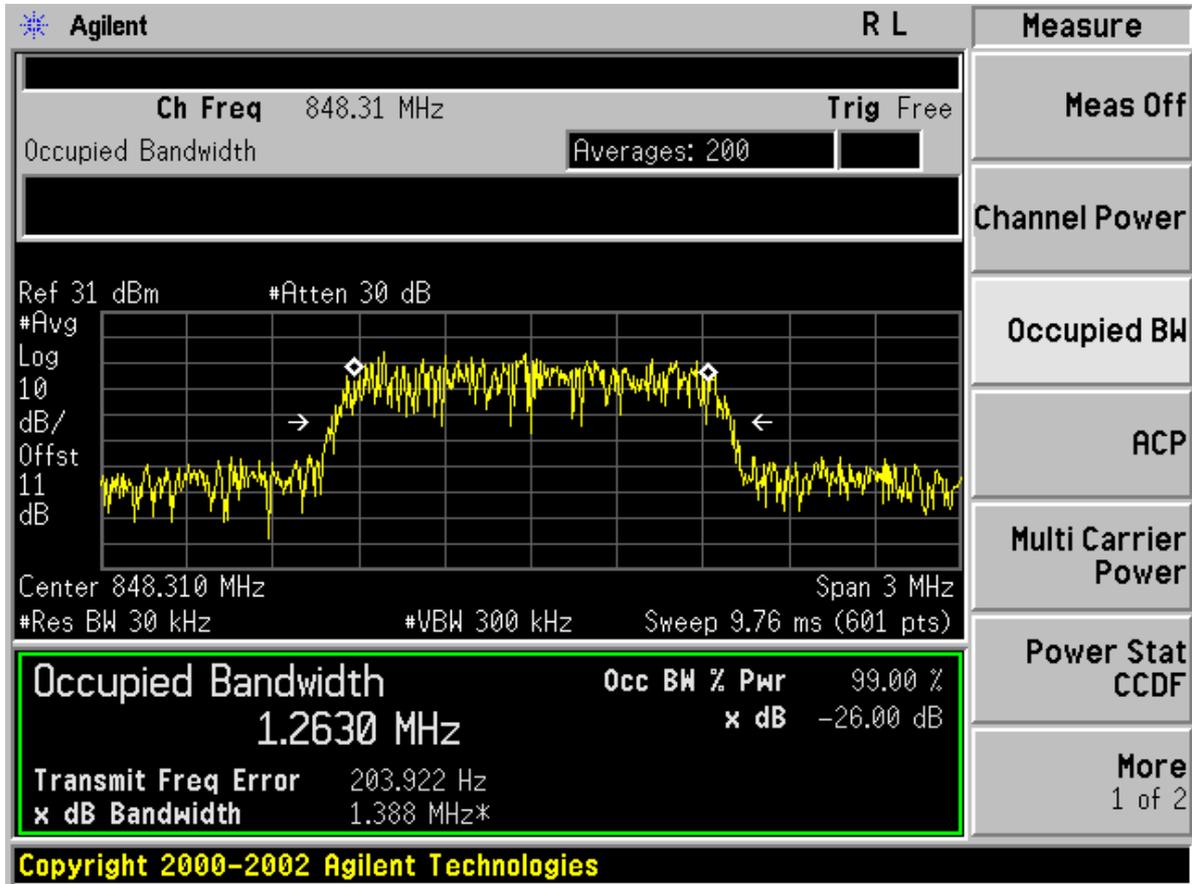


Channel 777 (TM1)





Channel 777 (TM3)





Appendix C

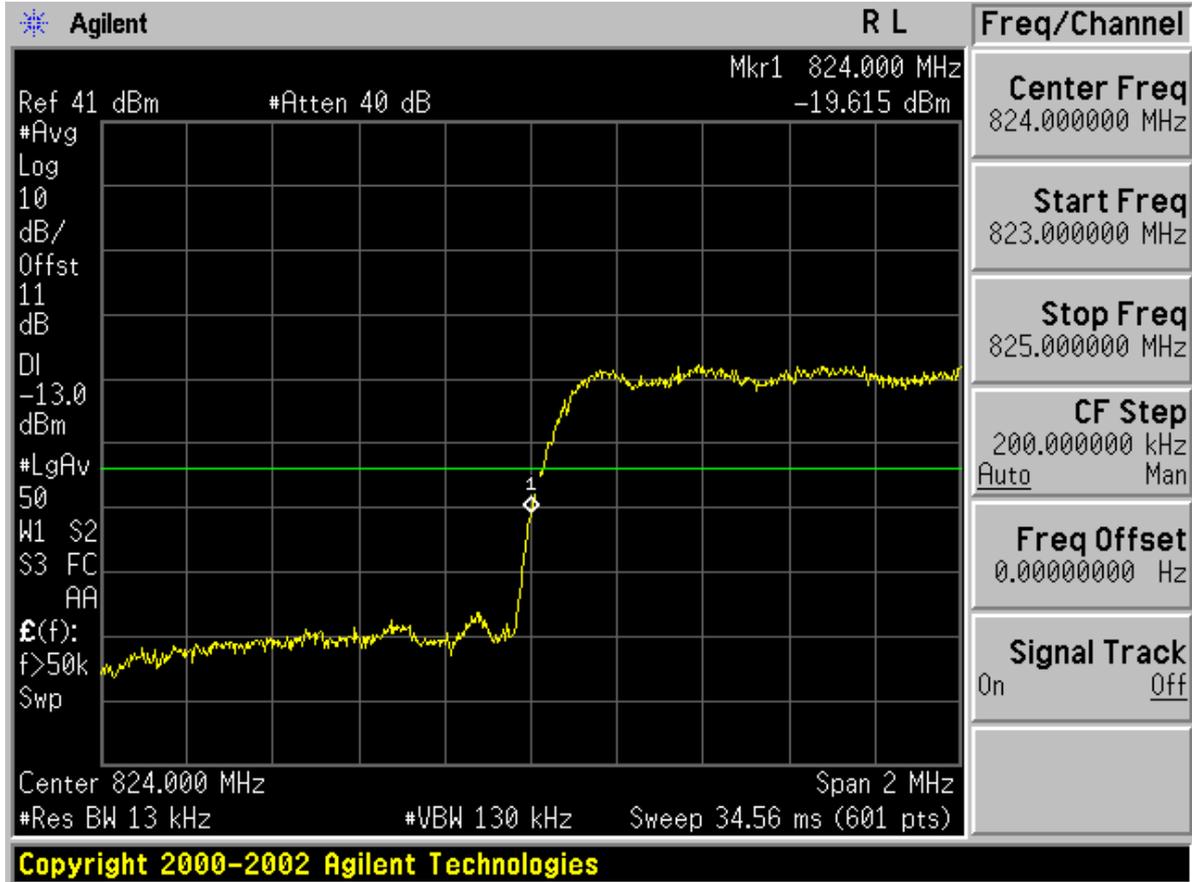
Band Edges Compliance **According to FCC Part 2.1051 & 22.917**



TM1

Left Edge

Channel 1013





Right Edge Channel 777

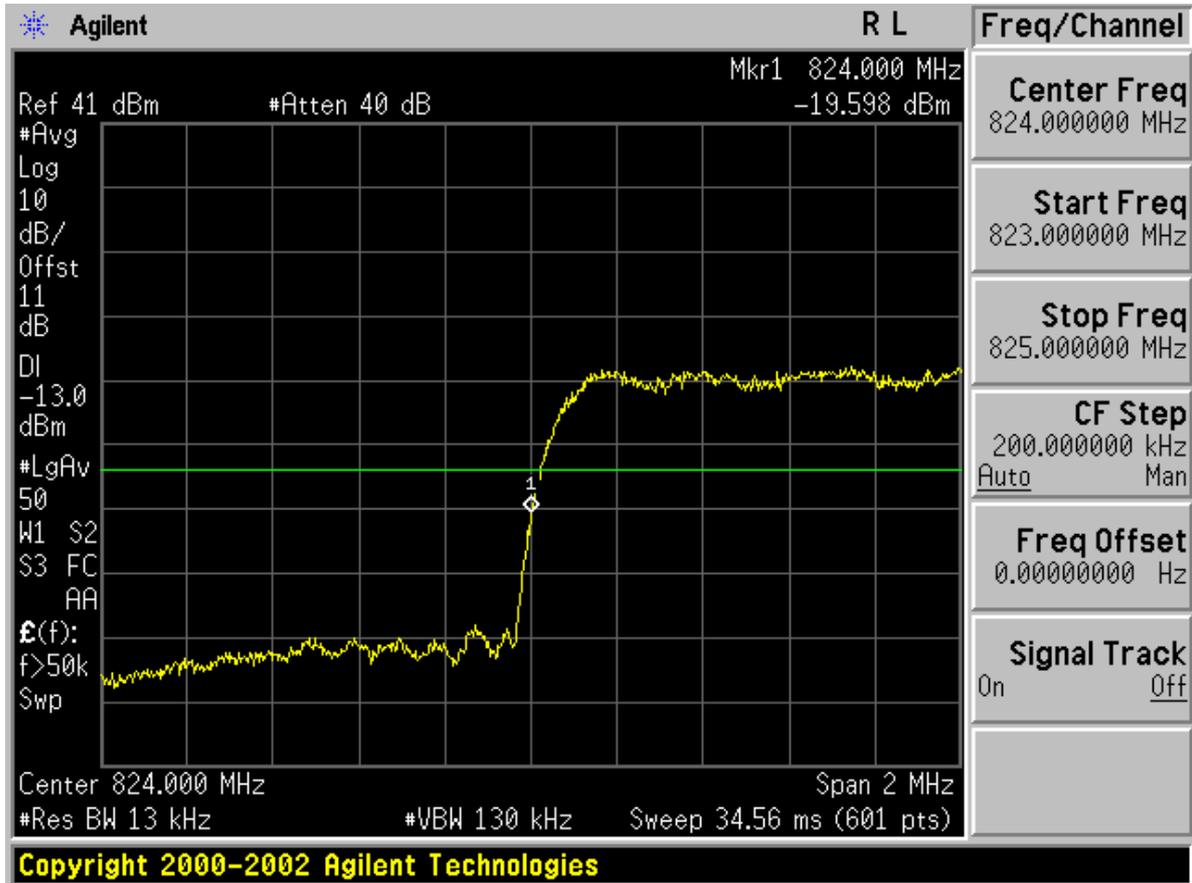




TM3

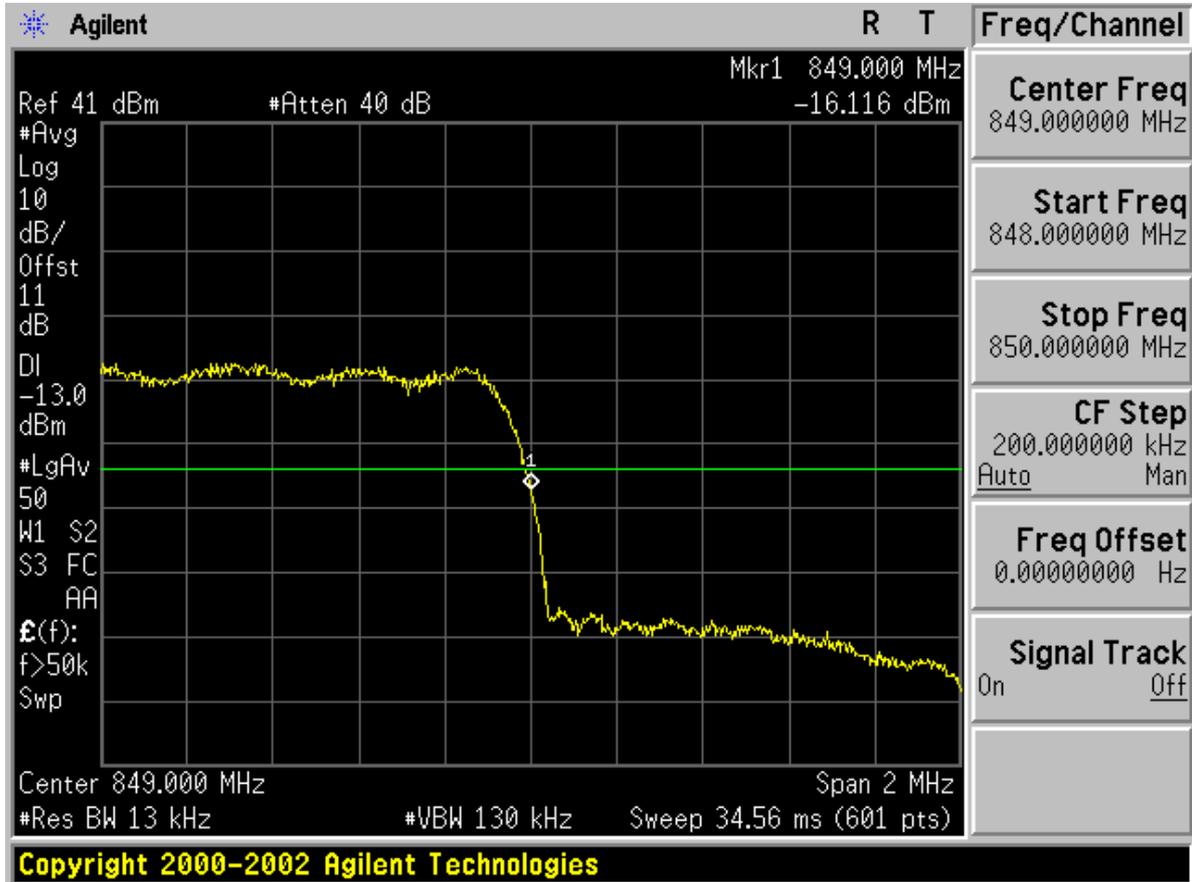
Left Edge

Channel 1013





Right Edge Channel 777





Appendix D

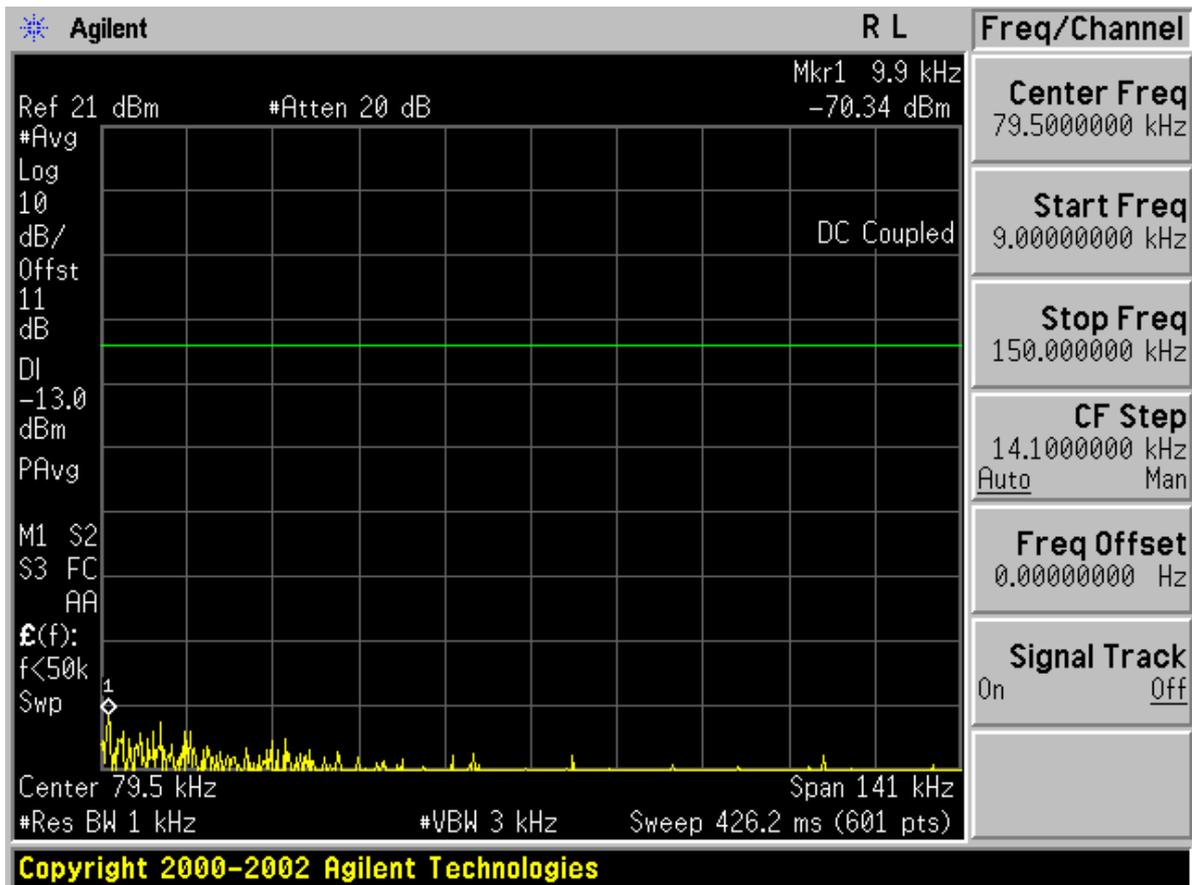
Spurious Emission at Antenna Terminal

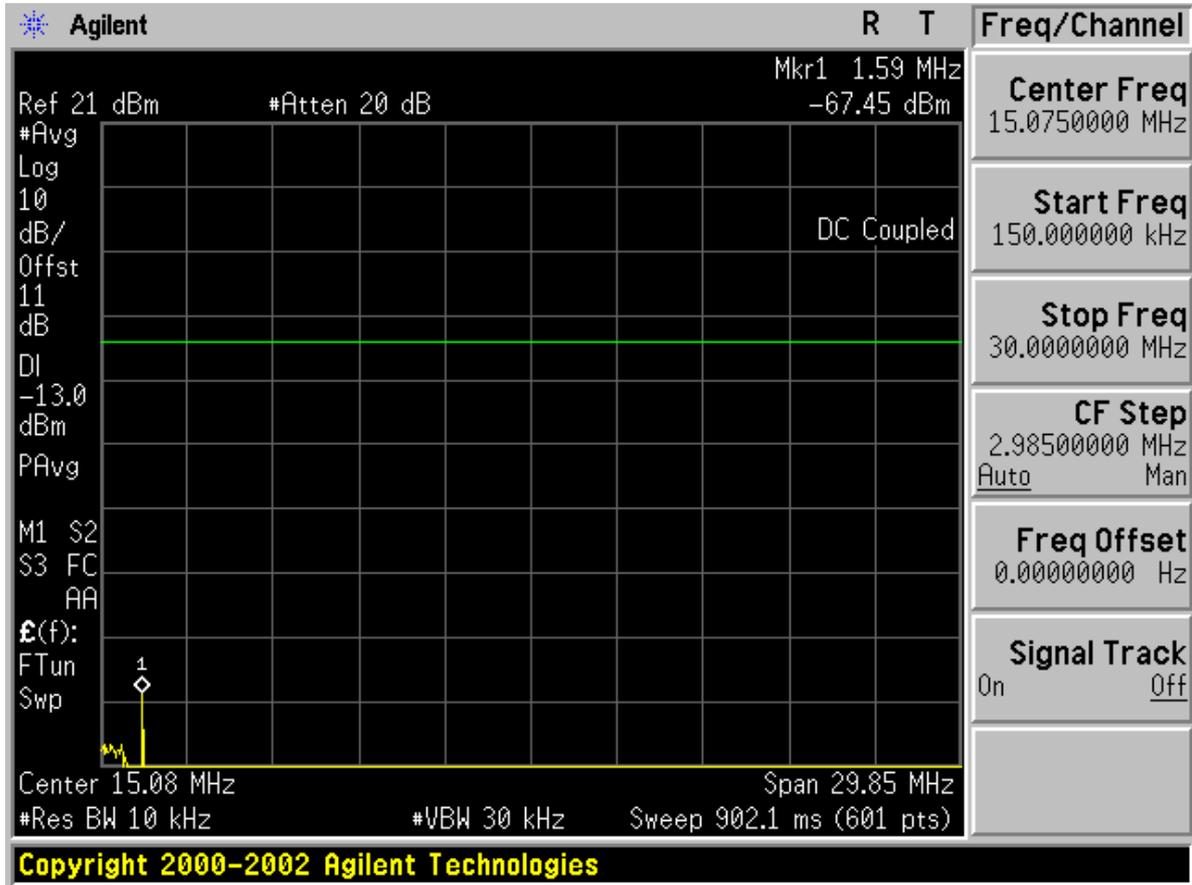
According to FCC Part 2.1051 & 22.917

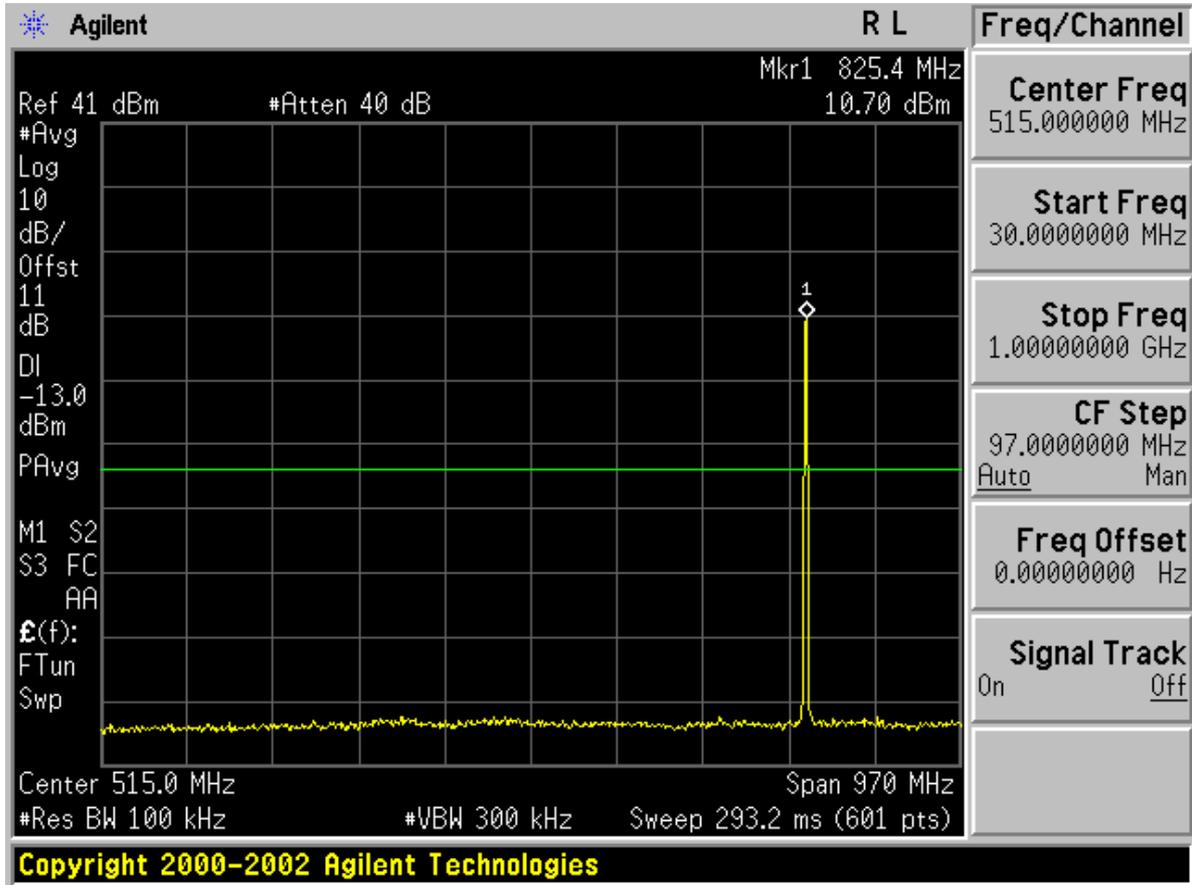


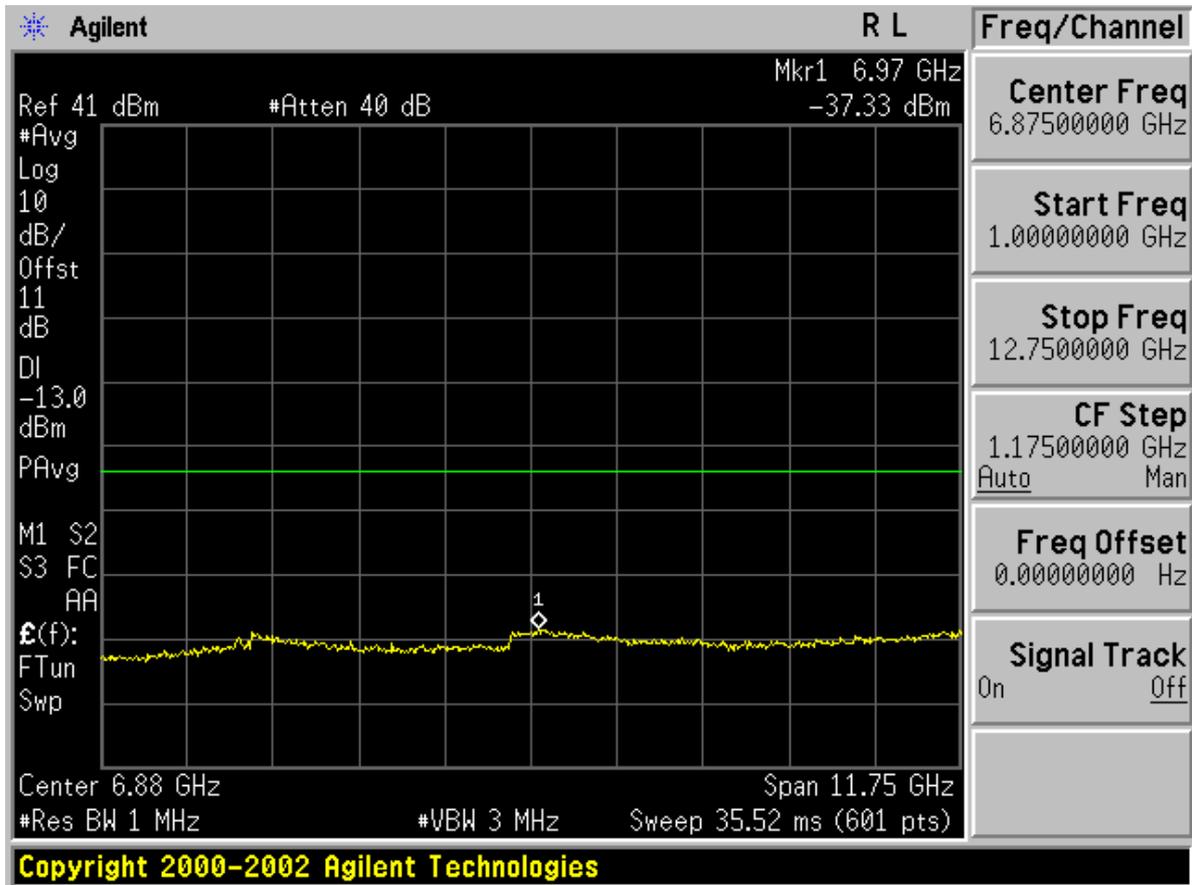
1.1 TM1

Channel 1013



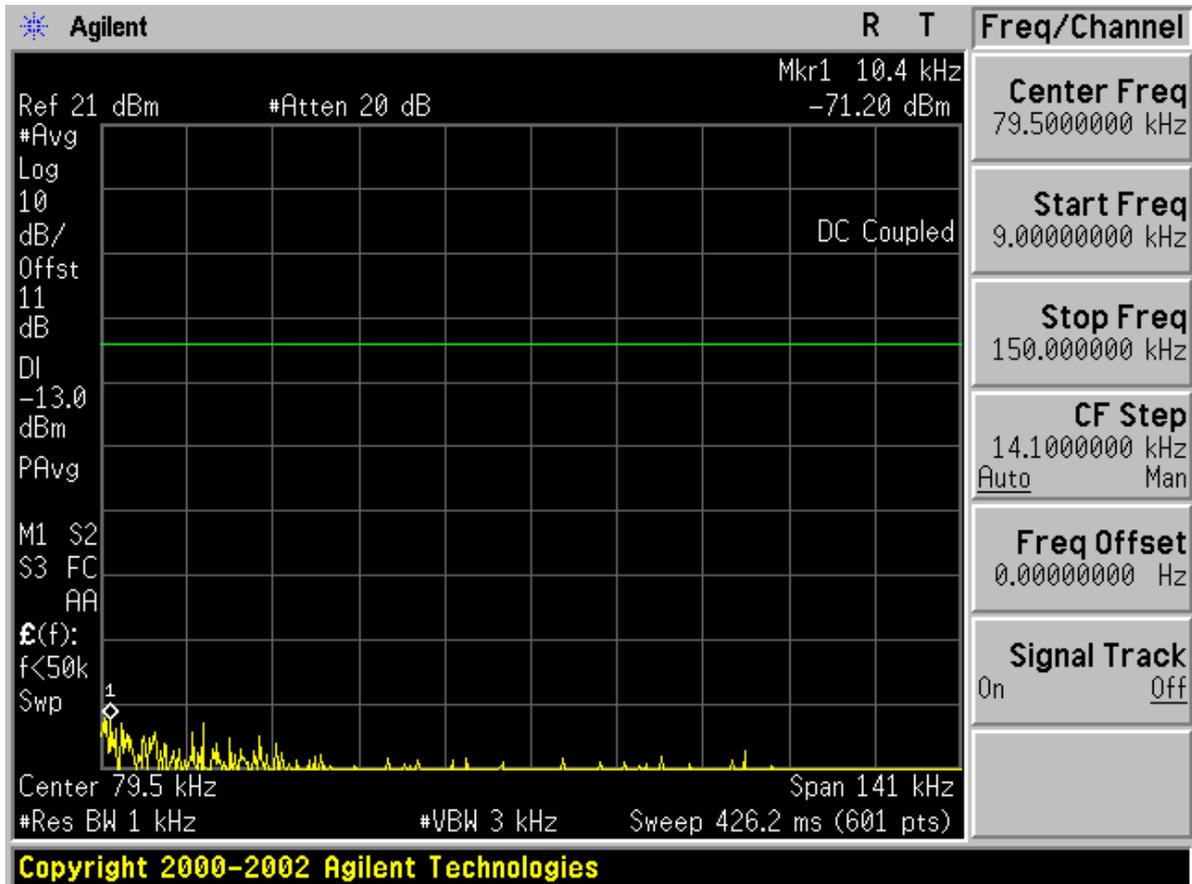


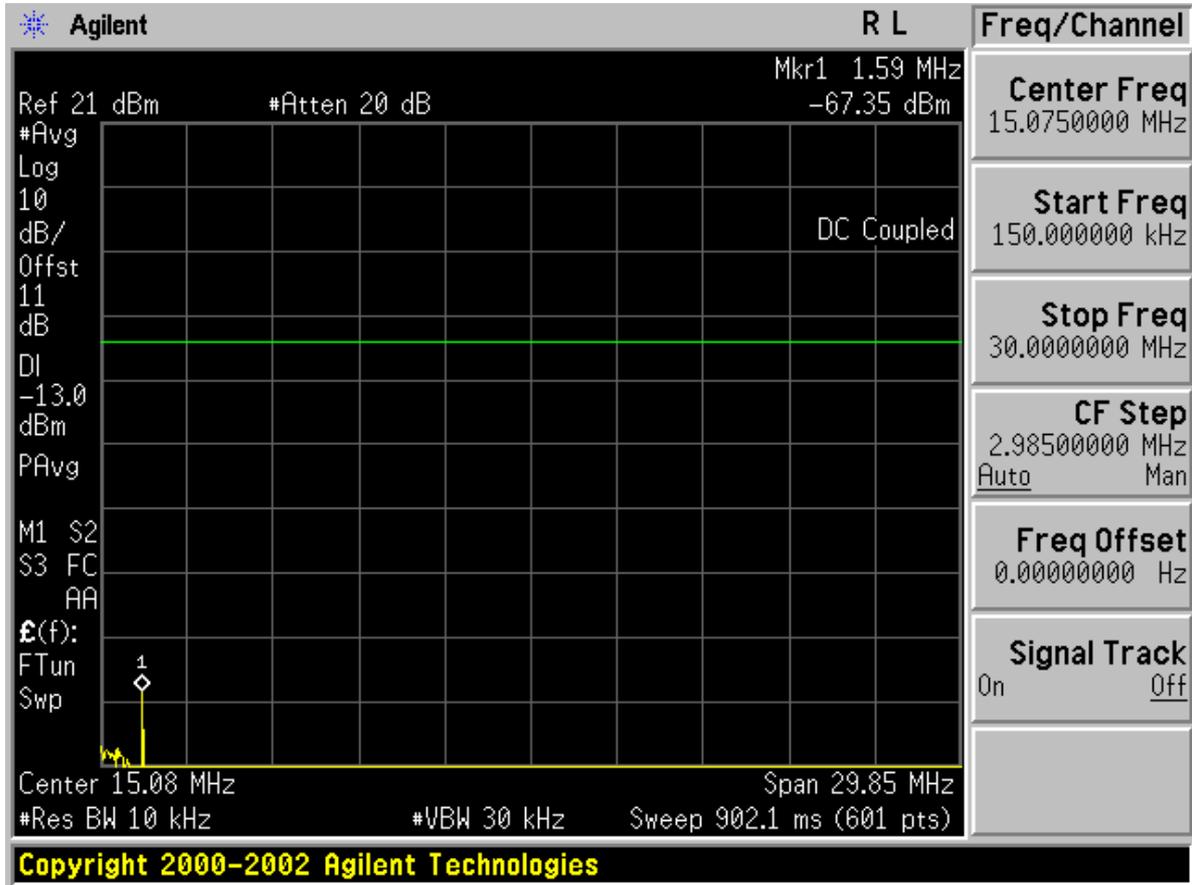


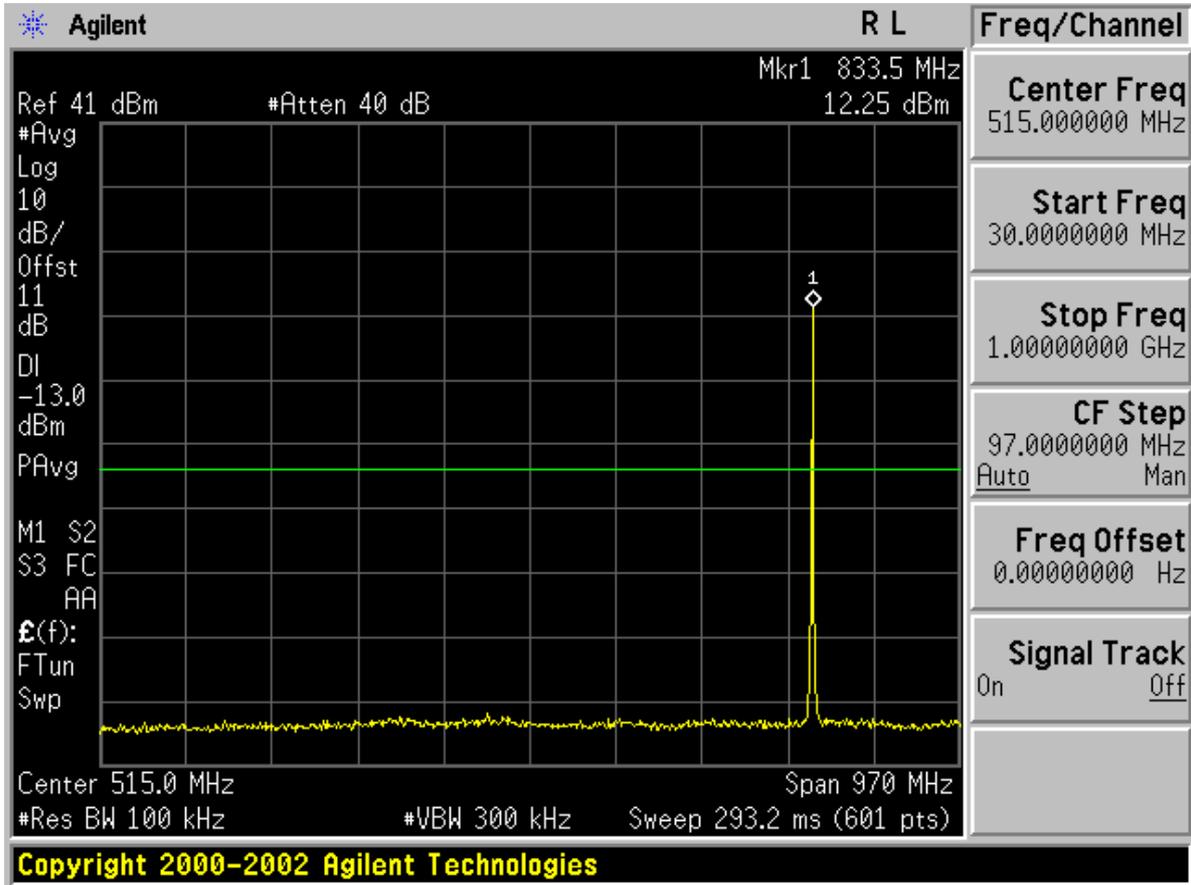


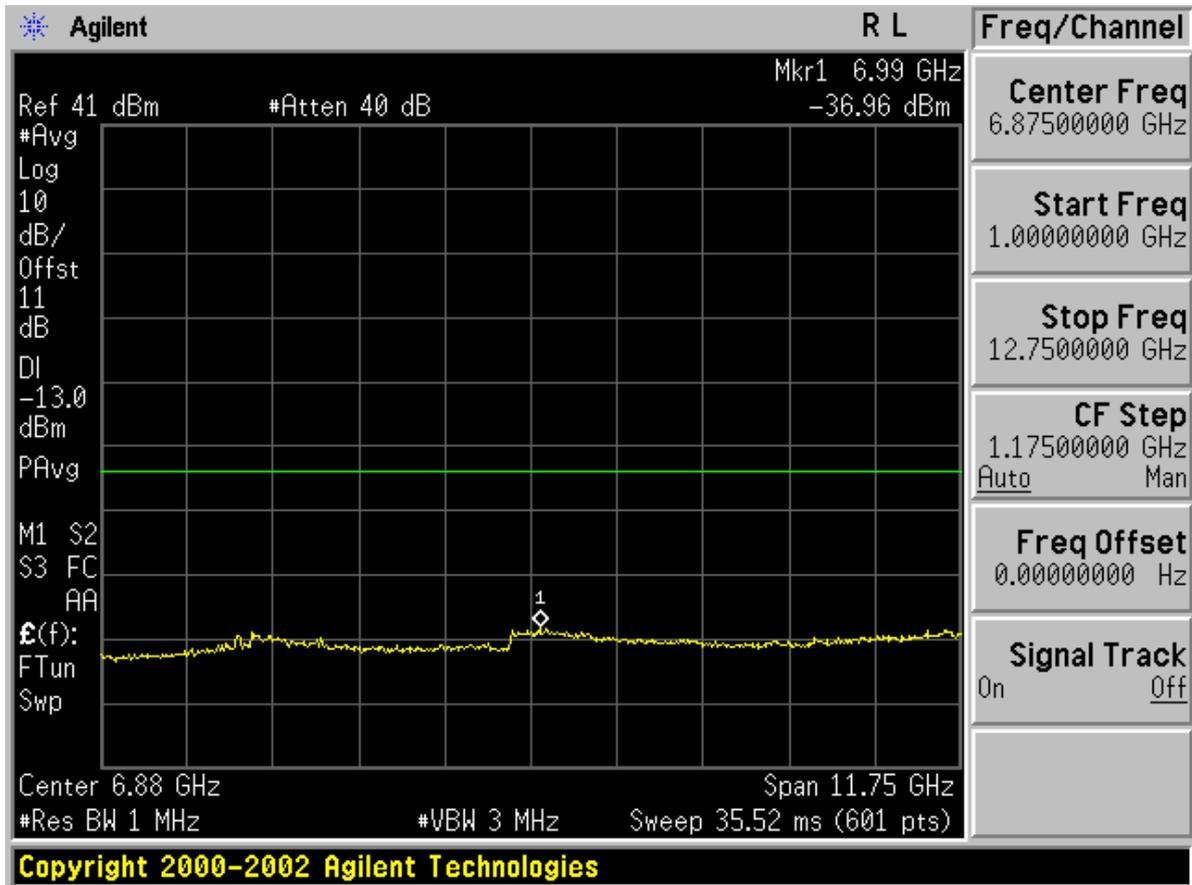


Channel 283



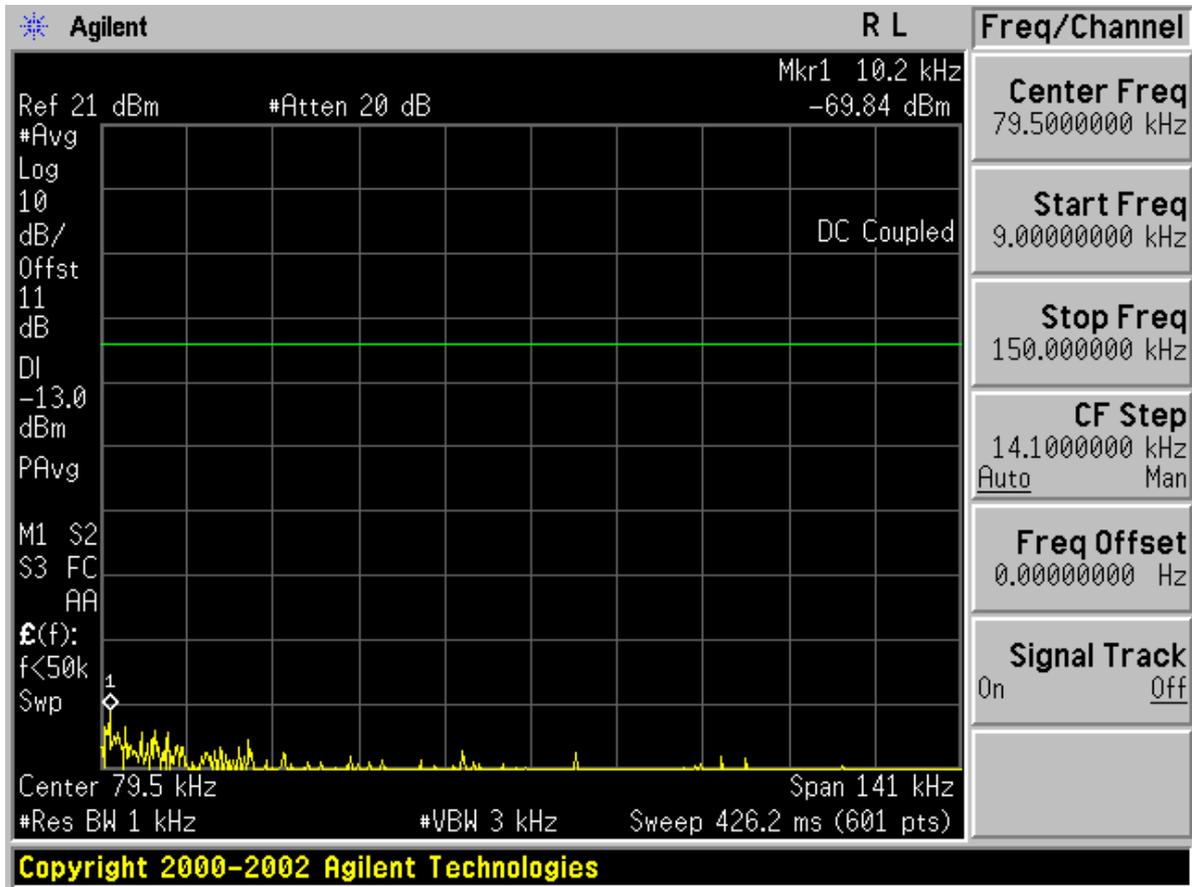


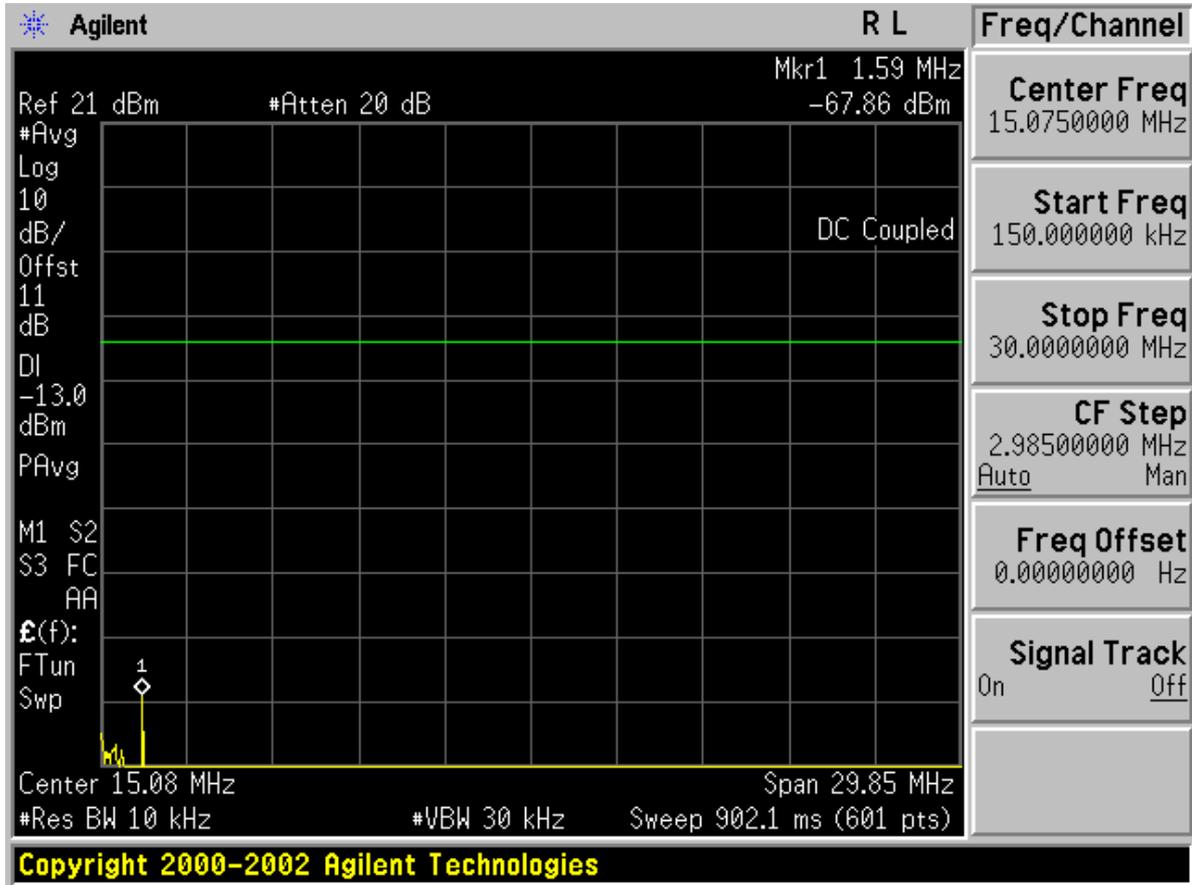


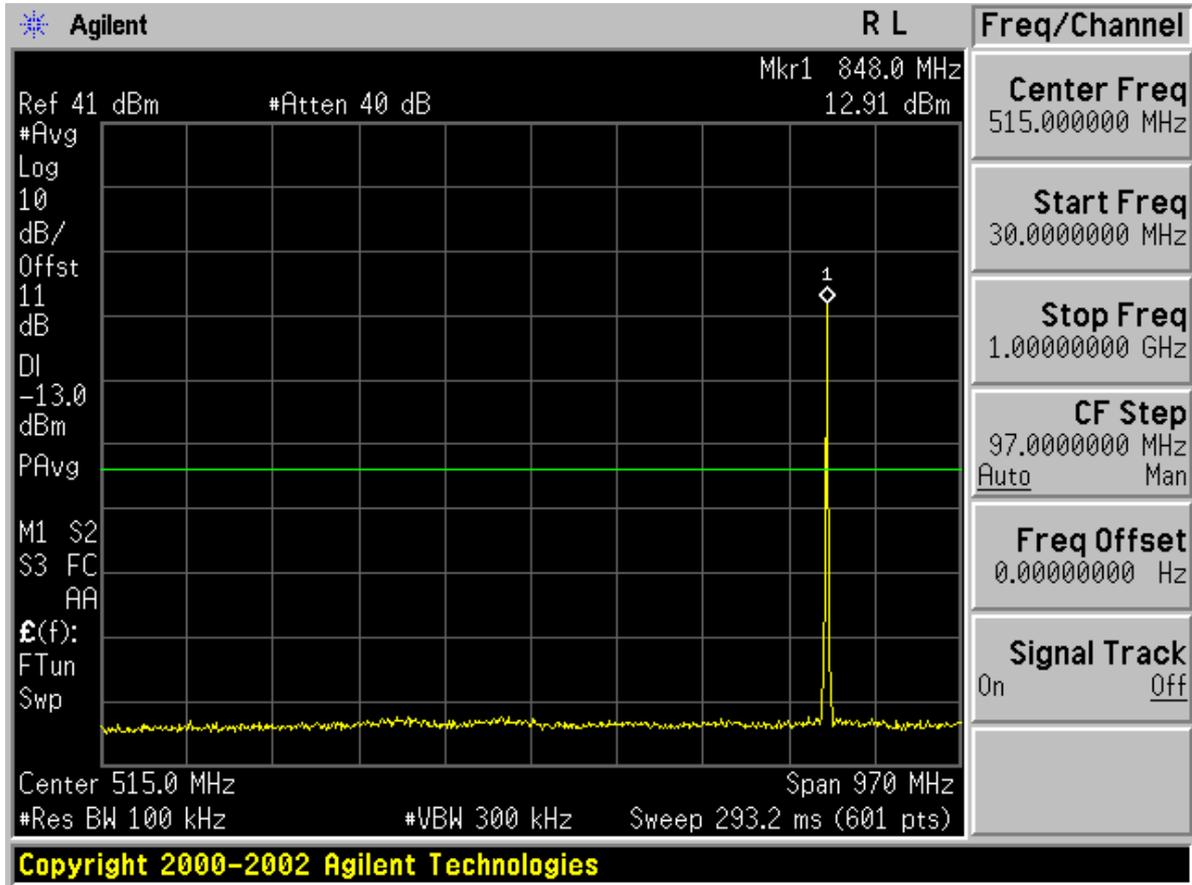


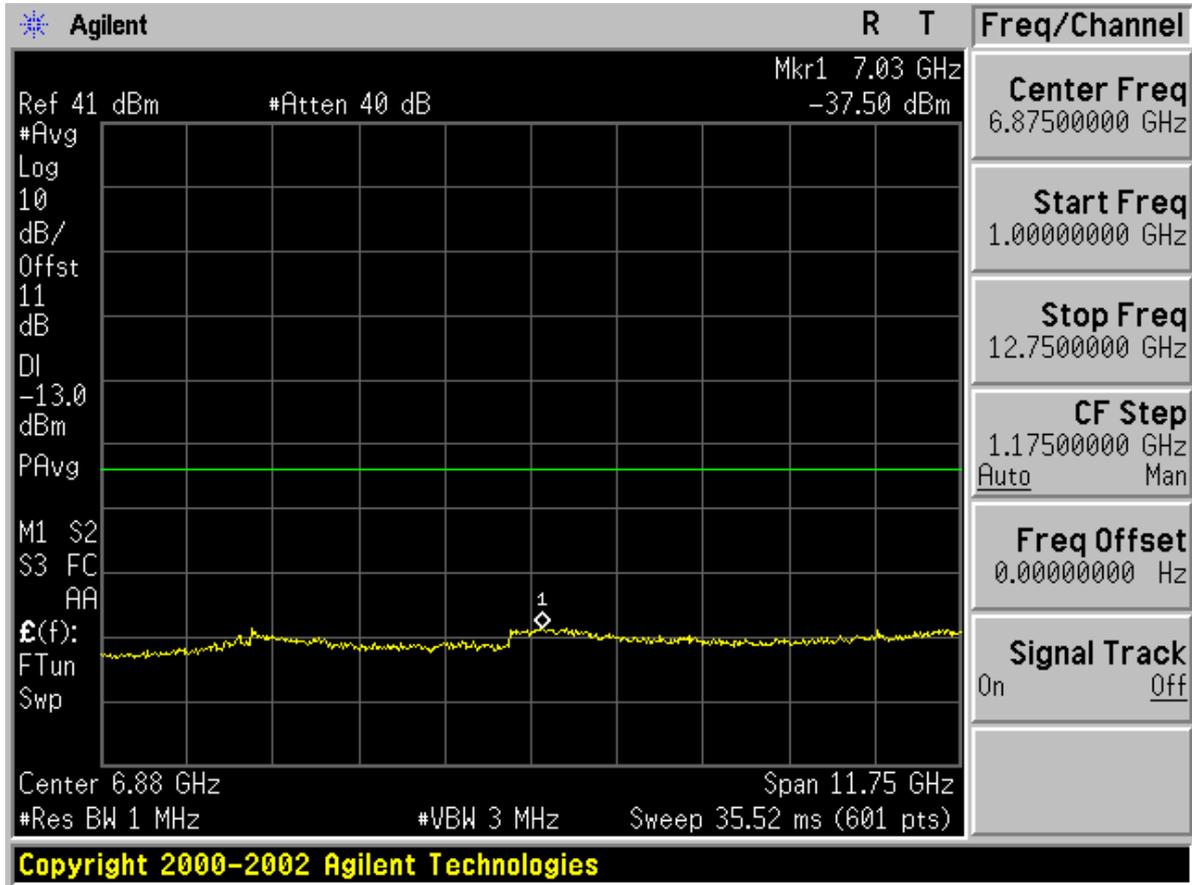


Channel 777



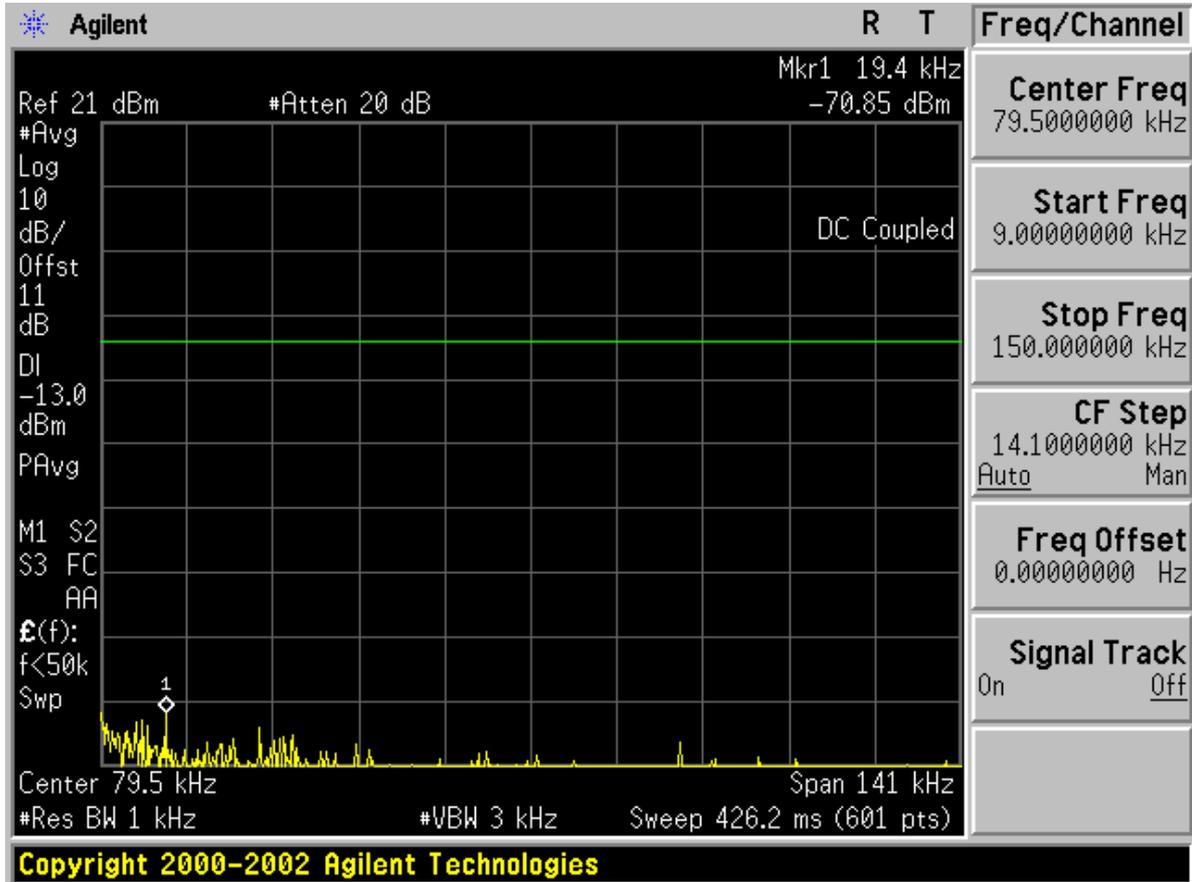


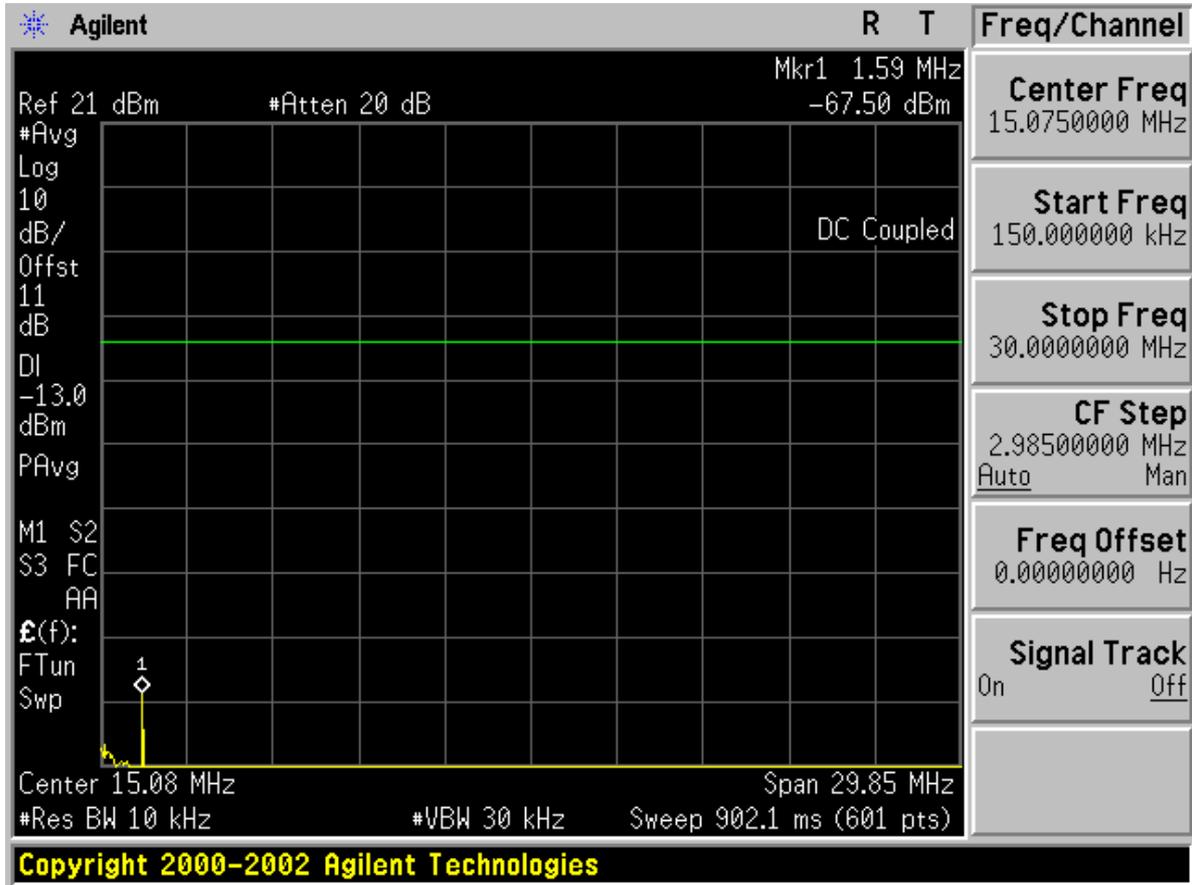


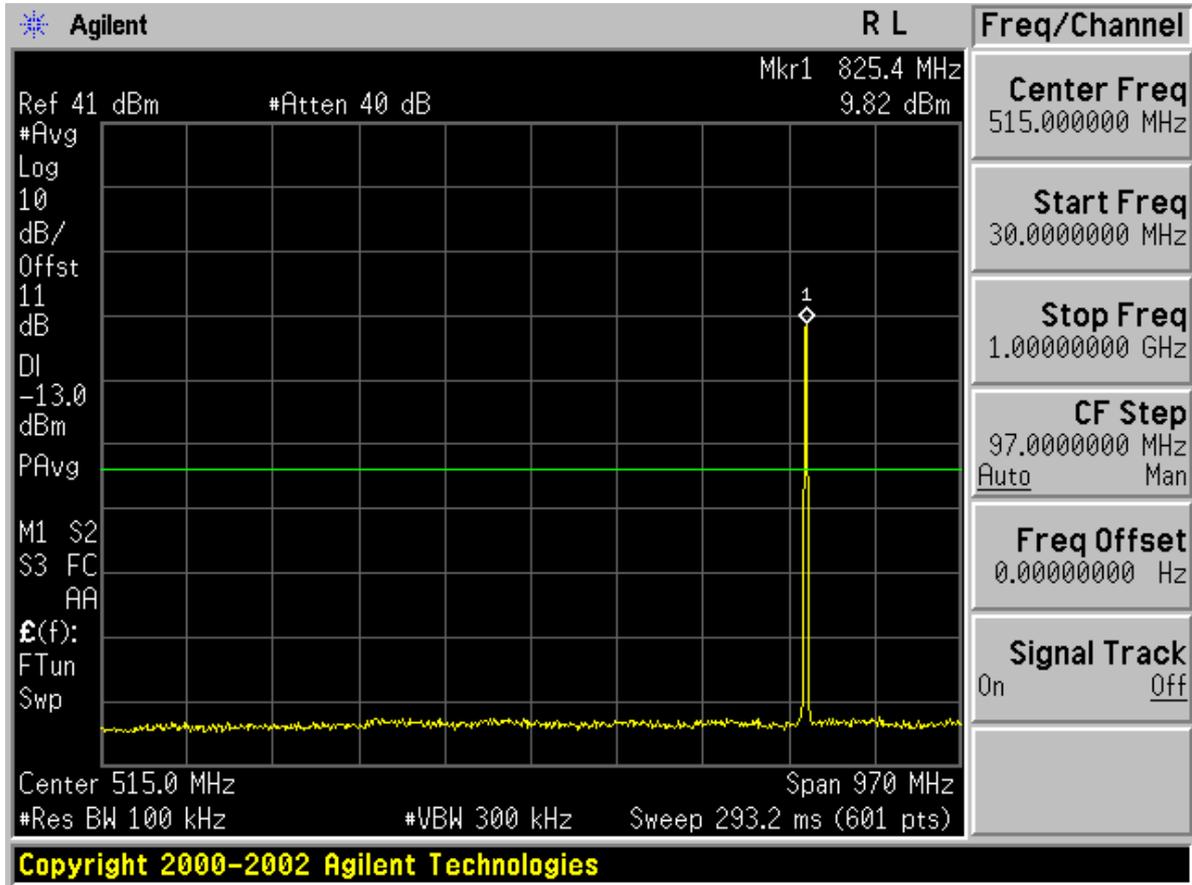


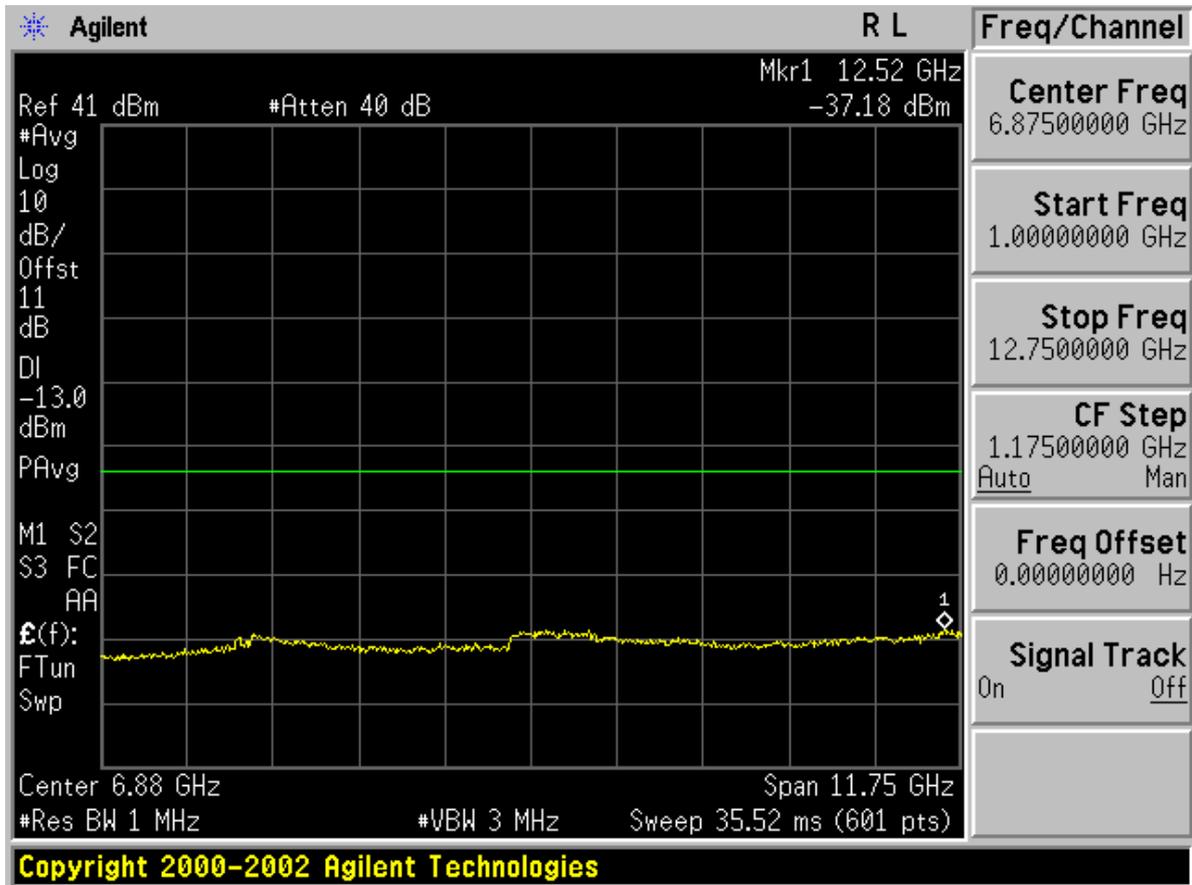


TM3 Channel 1013



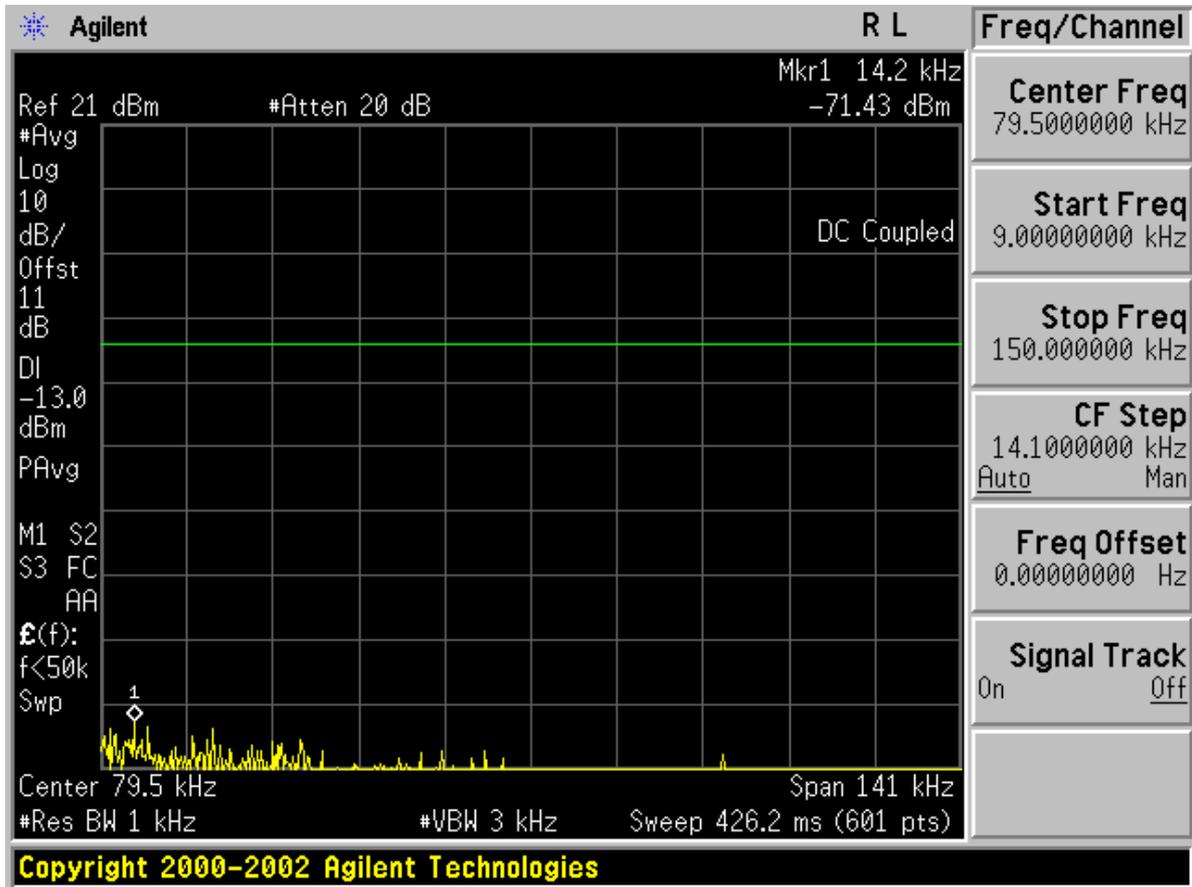


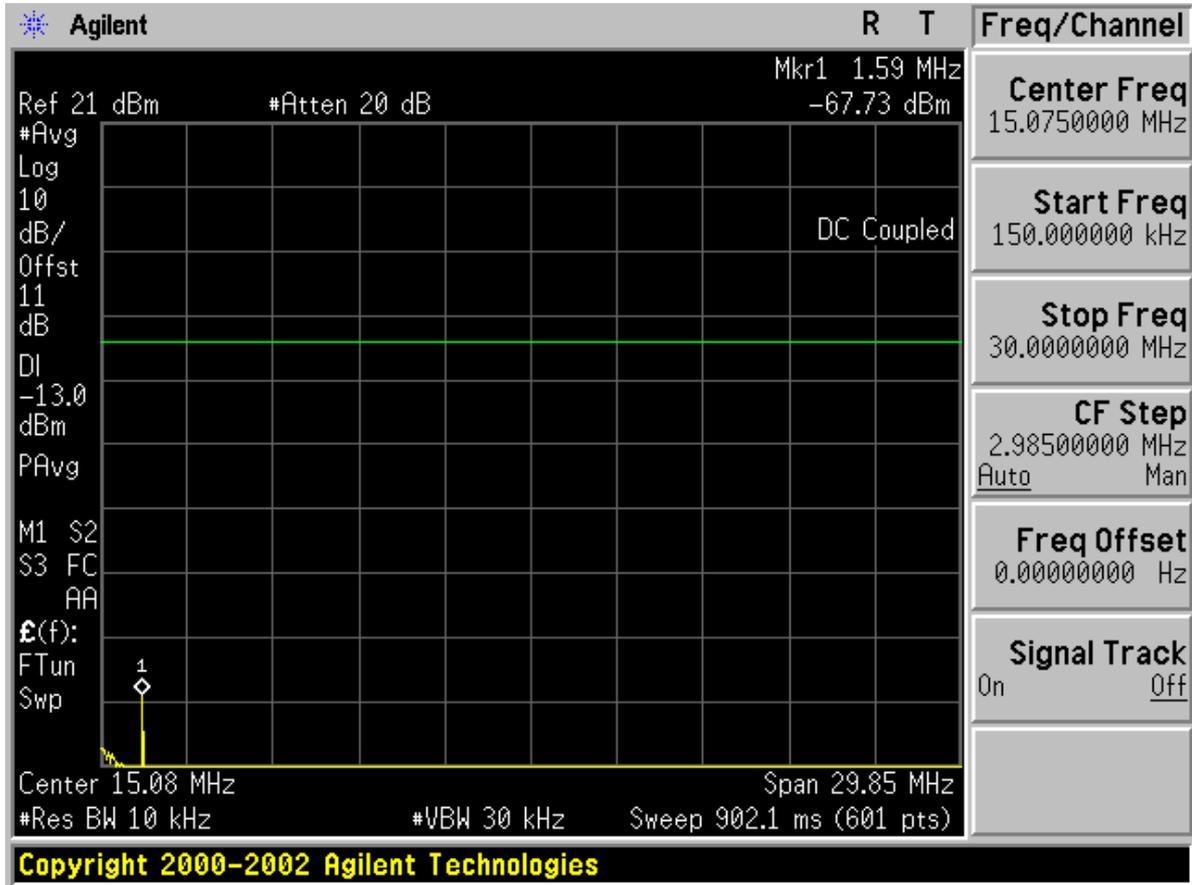


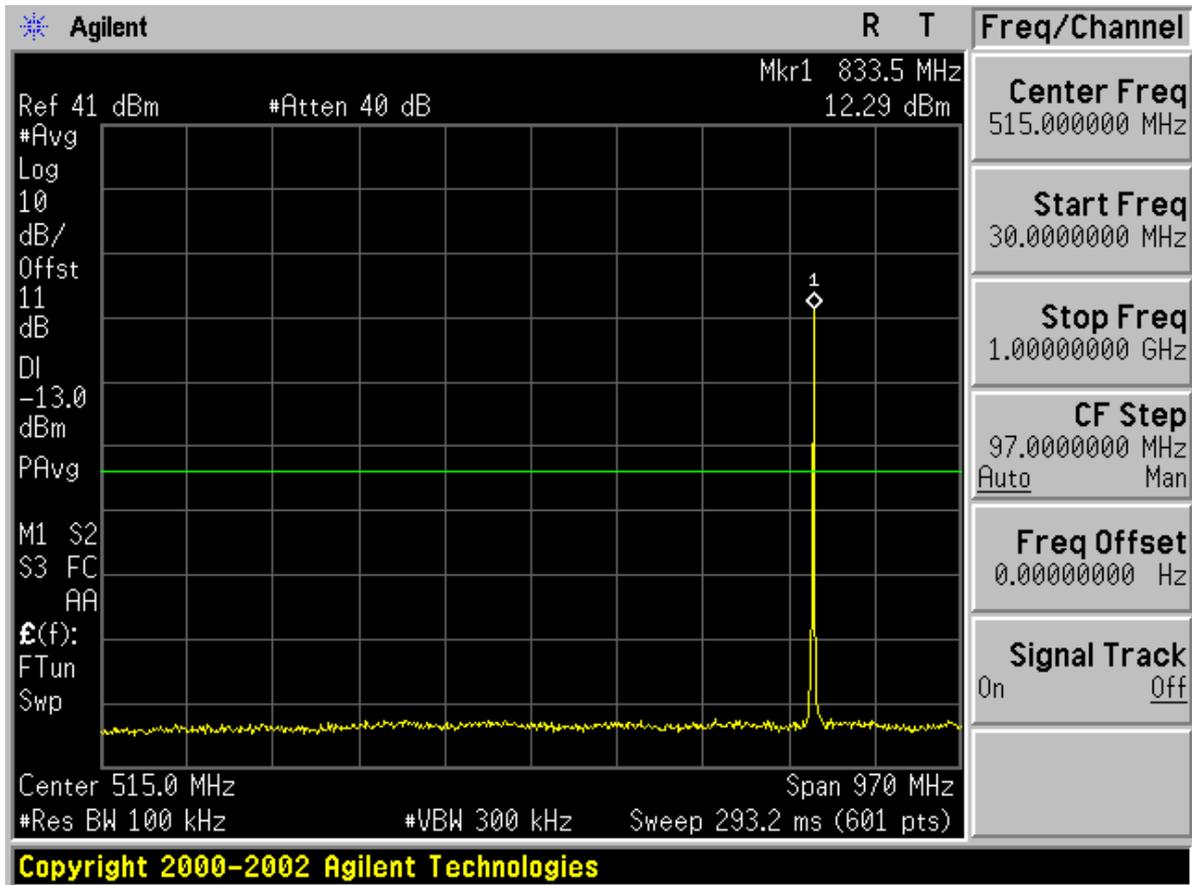


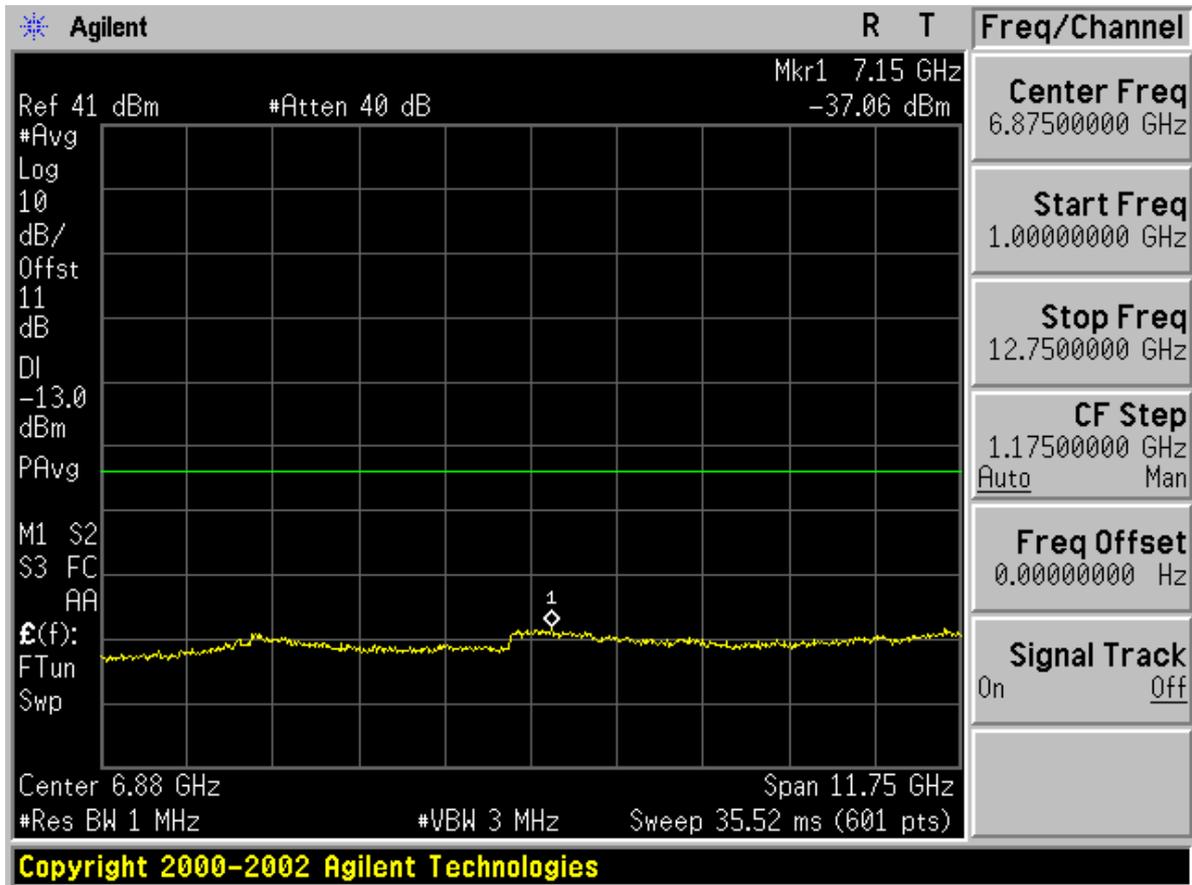


Channel 283



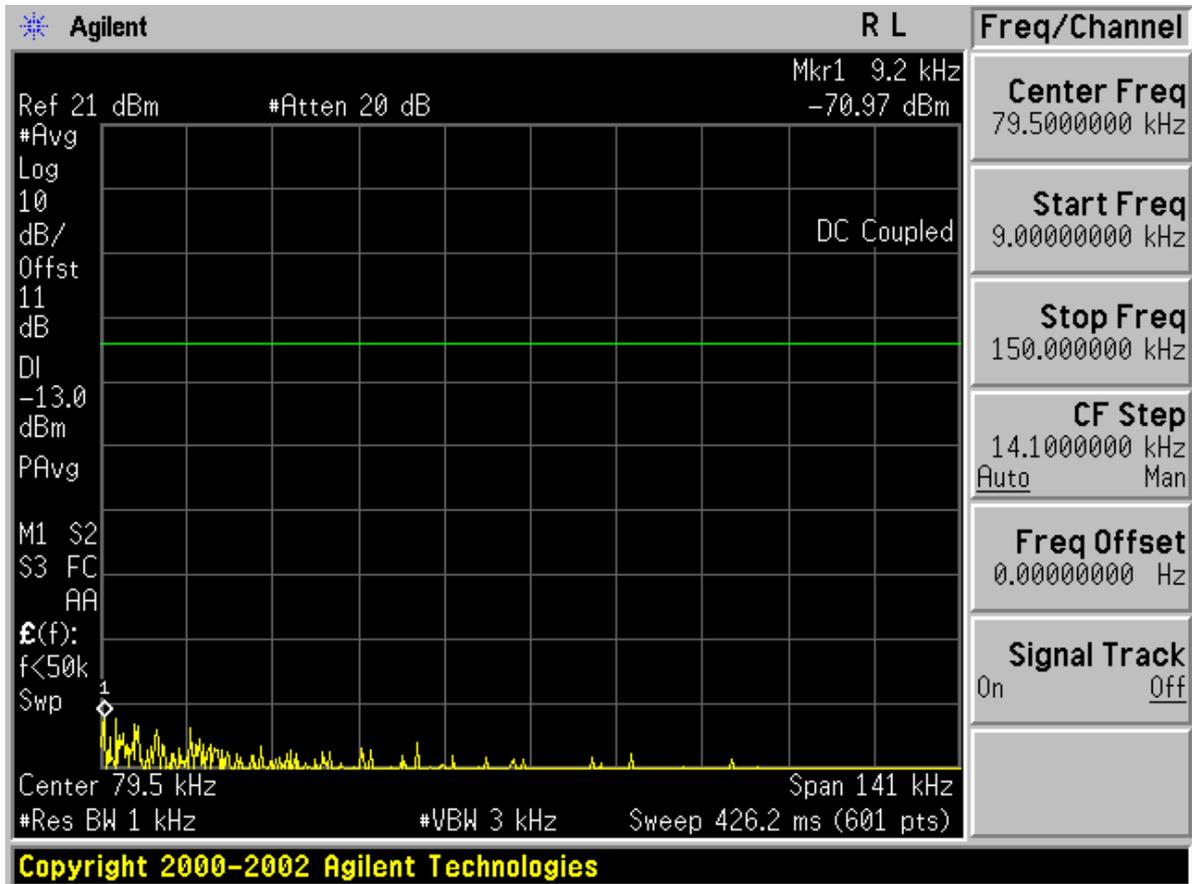


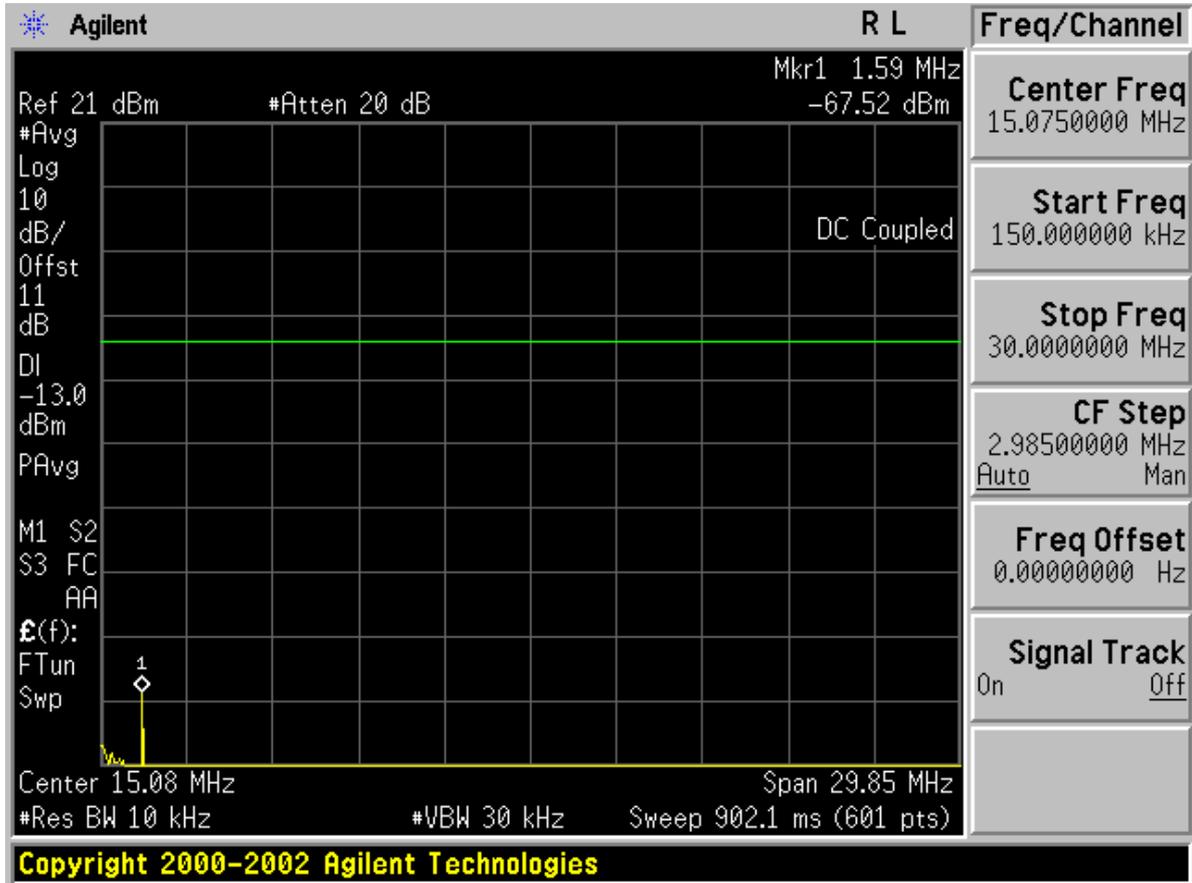


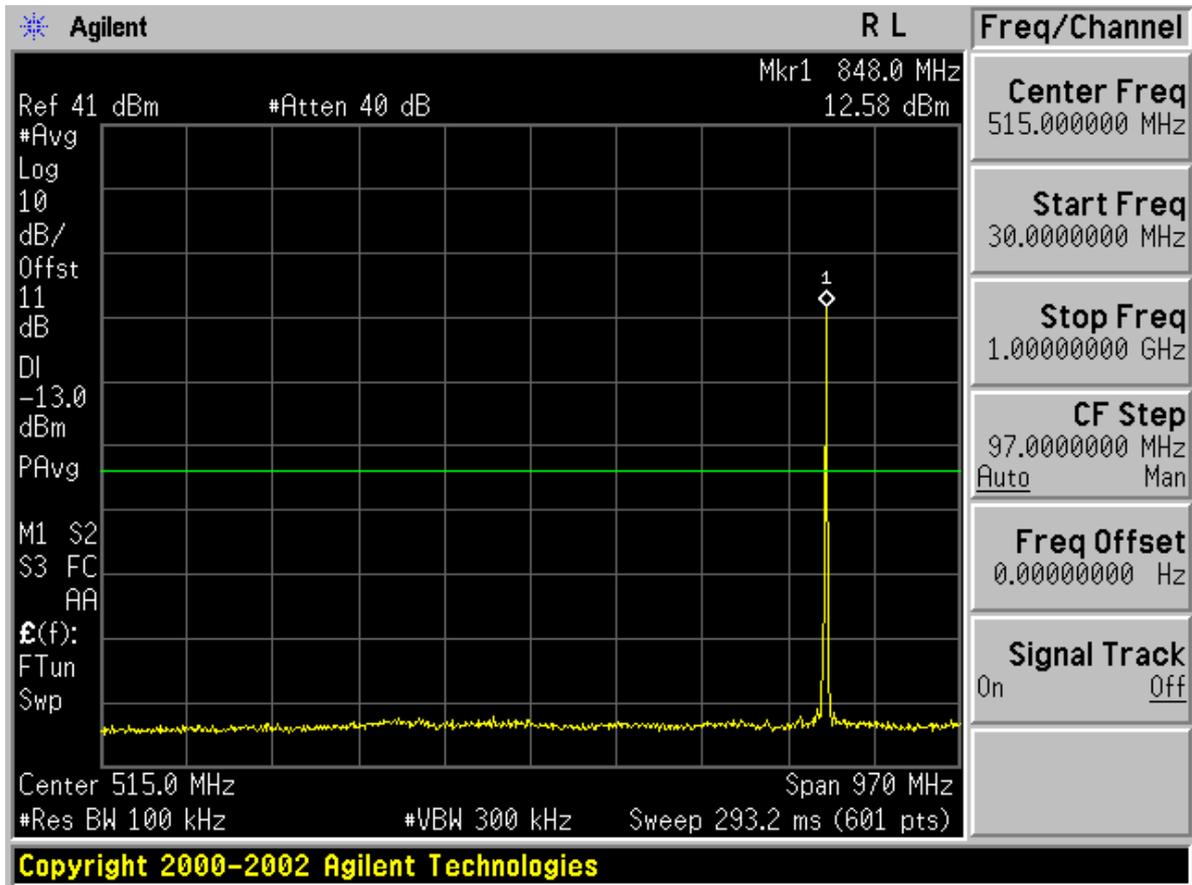


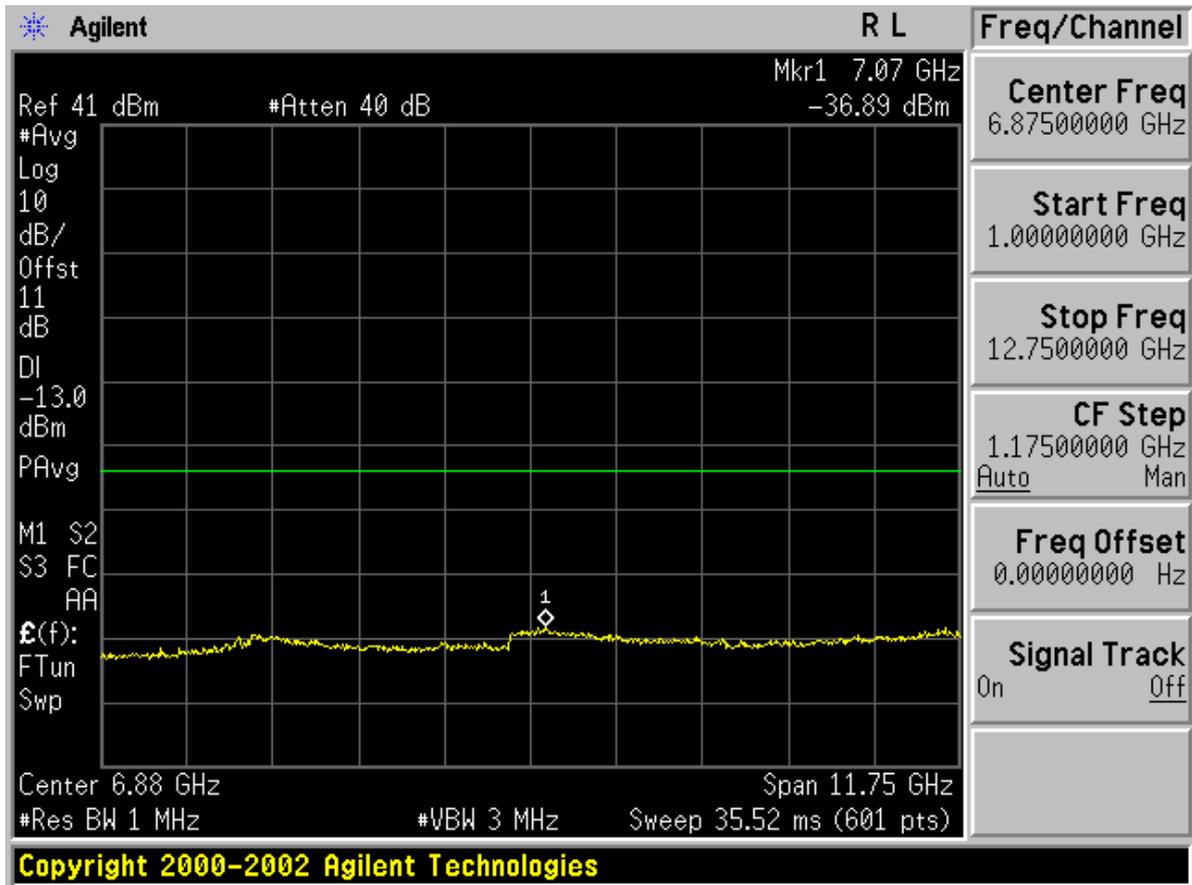


Channel 777







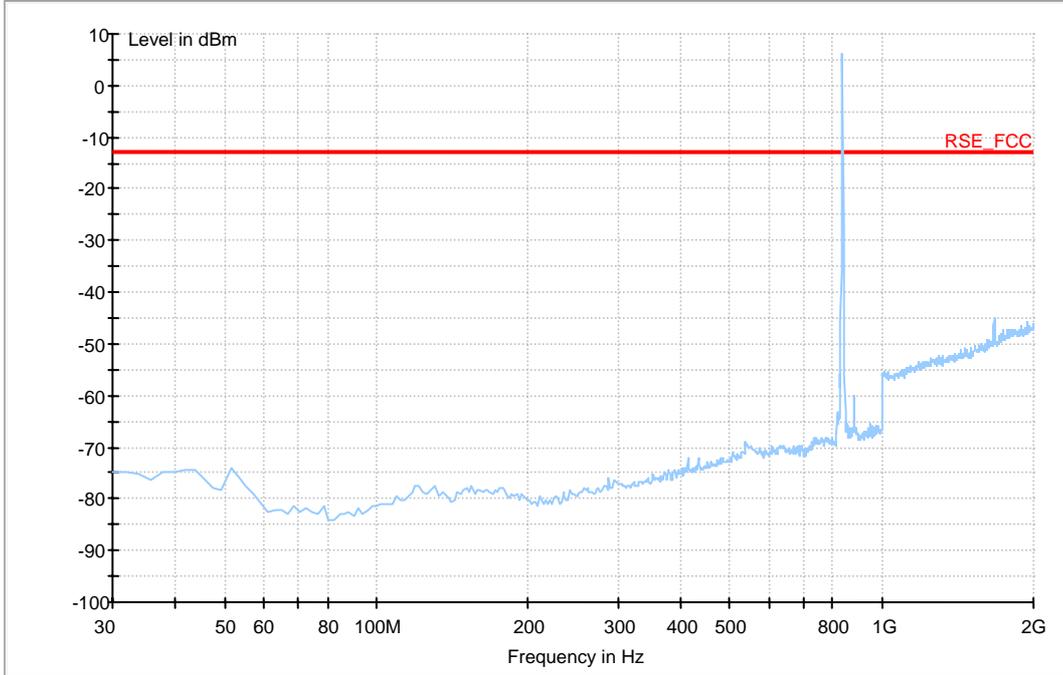


Appendix E

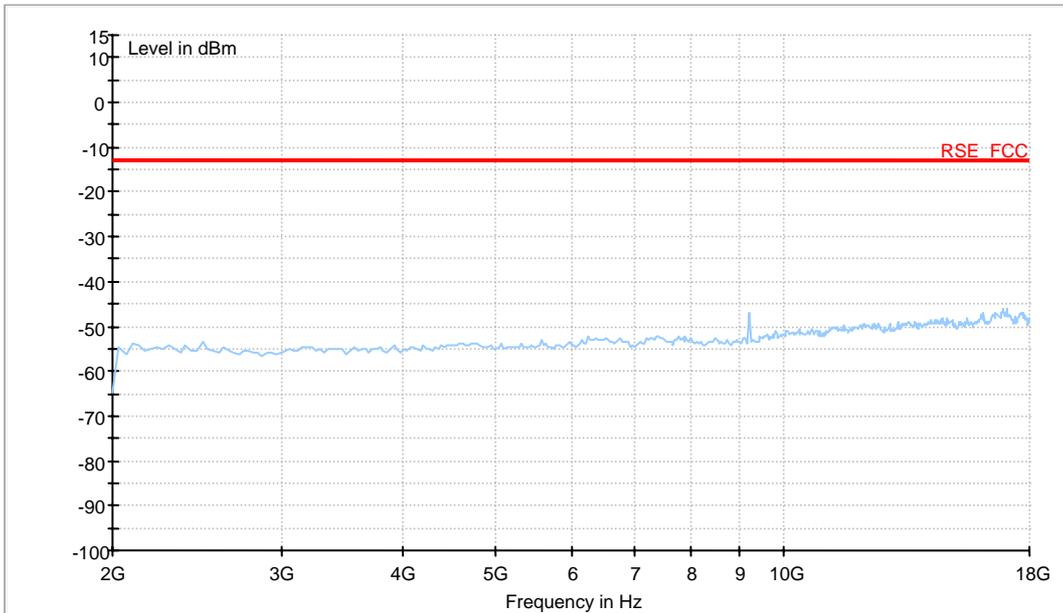
Radiated Spurious Emission

According to FCC Part 2.1053 & 22.917

Traffic Mode (30MHz-2GHz)

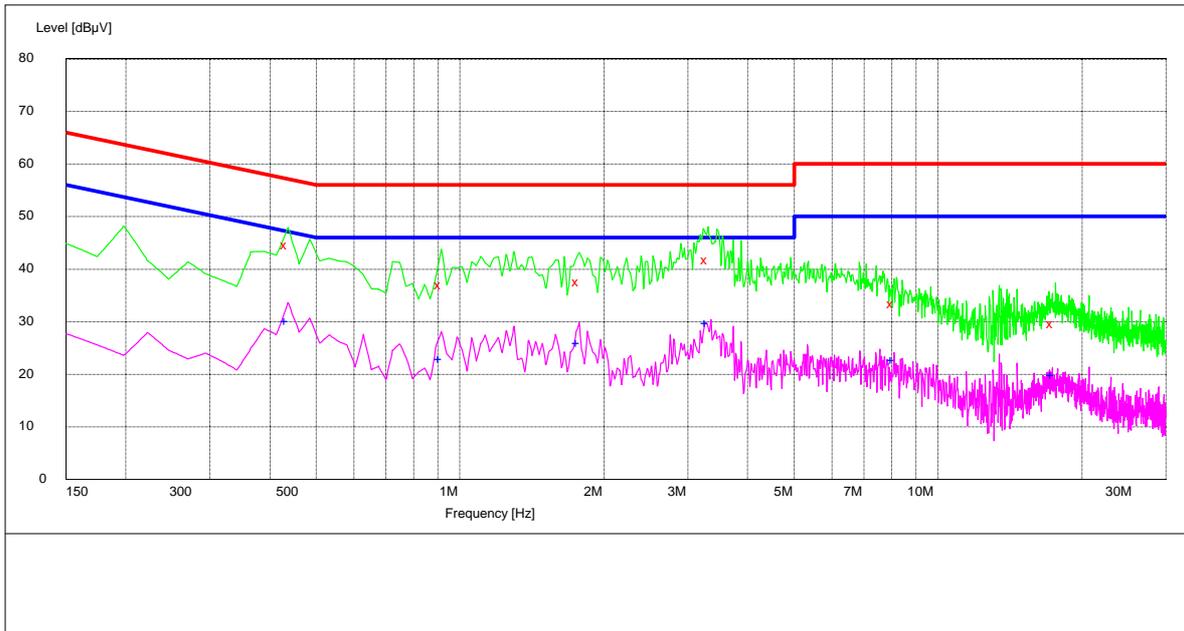


Traffic Mode (2GHz -18GHz)



Appendix F

Conducted Emission at Power Port According to FCC Part 15.107



MEASUREMENT RESULT:QP DECTER

Frequency (MHz)	Level (dBµV)	Transd (dB)	Limit (dBµV)	Margin (dB)	Line	PE
0.43656	44.4	10.0	57	12.6	N	FLO
0.91416	36.8	10.1	56	19.2	N	FLO
1.77384	37.5	10.1	56	18.5	N	FLO
3.30216	41.6	10.2	56	14.4	N	FLO
8.10204	33.2	10.2	60	26.8	N	FLO
17.48688	29.5	10.3	60	30.5	N	FLO

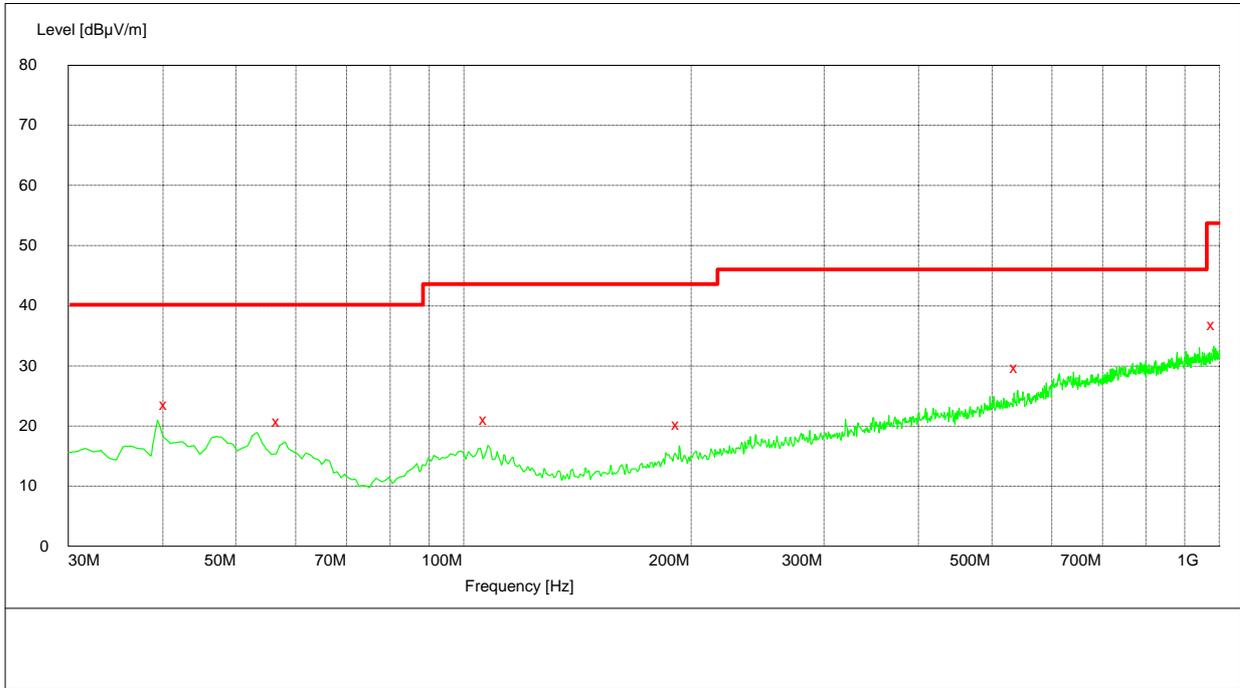
MEASUREMENT RESULT:AV DECTER

Frequency (MHz)	Level (dBµV)	Transd (dB)	Limit (dBµV)	Margin (dB)	Line	PE
0.43656	30.0	10.0	47	17.0	N	FLO
0.91416	22.8	10.1	46	23.2	N	FLO
1.77384	25.8	10.1	46	20.2	N	FLO
3.30216	29.6	10.2	46	16.4	N	FLO
8.10204	22.6	10.2	50	27.4	N	FLO
17.48688	19.7	10.3	50	30.3	N	FLO

Appendix G

Radiated Emission of Enclosure in Idle Mode

According to FCC Part 15.109



MEASUREMENT RESULT: QP DECTER

Frequency (MHz)	Level (dBµV/m)	Transd (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
40.02	23.5	13.1	40	16.5	272	360	HORIZONTAL
57.06	20.6	12.5	40	19.4	267	357	HORIZONTAL
107.34	20.9	12.5	43.5	22.6	223	208	HORIZONTAL
193.14	20.2	12	43.5	23.3	136	94	HORIZONTAL
540.24	29.6	20.9	46	16.4	194	64	HORIZONTAL
984.42	36.7	27	54	17.3	237	194	HORIZONTAL