

Appendix A

Effective Radiated Power of Transmitter

According to FCC Part 2.1046 & 22.913

Channel 1013

TM1:

Measurement/Instrument Screen									
Control	Maximum/Minimum Power							Call Parm	
Max/Min Power Setup ▾	Maximum Power22.54dBmMinimum Power-63.28dBm/1.23 MHz Under RangeSingle							Cell 1 Power	-55.00
								dBm/1.23 MHz	
Maximum Power Setup ▾								Cell Band	US Cellular
Minimum Power Setup ▾								Channel	1013
								Protocol Rev	6 (IS-2000-0)
								Radio Config	(Fud1, Rvs1)
									S02 (Loopback)
								FCH Service Option Setup ▾	
			Active Cell Connected			Sys Type: IS-2000			
						Logging: No Conn.			
1 of 2				IntRef	Offset				1 of 4



TM3:

Measurement/Instrument Screen									
Control	Maximum/Minimum Power						Call Parm		
Max/Min Power Setup ▾	Maximum Power22.52 dBm Minimum Power-63.41 dBm/1.23 MHz Under RangeSingle						Cell 1 Power	-55.00	dBm/1.23 MHz
Maximum Power Setup ▾							Cell Band	US Cellular	
Minimum Power Setup ▾							Channel	1013	
1 of 2							Protocol Rev	6 (IS-2000-0)	
							Radio Config	(Fud3, Rvs3)	
							S055 (Loopback)		
							FCH Service Option Setup ▾		
		Active Cell Connected			Sys Type: IS-2000				
					Logging: No Conn.				
			IntRef	Offset			1 of 4		

Channel 283

TM1:

Measurement/Instrument Screen									
Control	Maximum/Minimum Power						Call Params		
Max/Min Power Setup ▾	Maximum Power23.11dBm Minimum Power-62.46dBm/1.23 MHz Under RangeSingle						Cell 1 Power	-55.00	dBm/1.23 MHz
Maximum Power Setup ▾							Cell Band	US Cellular	
Minimum Power Setup ▾							Channel	283	
1 of 2							Protocol Rev	6 (IS-2000-0)	
							Radio Config	(Fud1, Rvs1)	
							S02 (Loopback)		
							FCH Service Option Setup ▾		
		Active Cell Connected			Sys Type: IS-2000				
					Logging: No Conn.				
			IntRef	Offset					1 of 4

TM3:

Measurement/Instrument Screen												
Control		Maximum/Minimum Power								Call Parm		
Max/Min Power Setup ▾		Maximum Power 23.06 dBm Minimum Power -63.04 dBm/1.23 MHz Under RangeSingle								Cell 1 Power		
										-55.00		
Maximum Power Setup ▾										dBm/1.23 MHz		
										Cell Band		
										US Cellular		
Minimum Power Setup ▾										Channel		
										283		
1 of 2										Protocol Rev		
										6 (IS-2000-0)		
										Radio Config		
										(Fud3, Rvs3)		
										S055 (Loopback)		
										FCH Service Option Setup ▾		
				Active Cell Connected				Sys Type: IS-2000		1 of 4		
				Logging: No Conn.								
					IntRef	Offset						

Channel 777

TM1:

Measurement/Instrument Screen									
Control	Maximum/Minimum Power							Call Parm	
Max/Min Power Setup ▾	Maximum Power22.63dBm Minimum Power-62.11dBm/1.23 MHz Under RangeSingle							Cell 1 Power	-55.00
Maximum Power Setup ▾								Cell Band	US Cellular
Minimum Power Setup ▾								Channel	777
1 of 2								Protocol Rev	6 (IS-2000-0)
								Radio Config	(Fud1, Rvs1)
								S02 (Loopback)	
								FCH Service Option Setup ▾	
		Active Cell Connected			Sys Type: IS-2000				
					Logging: No Conn.				
			IntRef	Offset				1 of 4	



TM3:

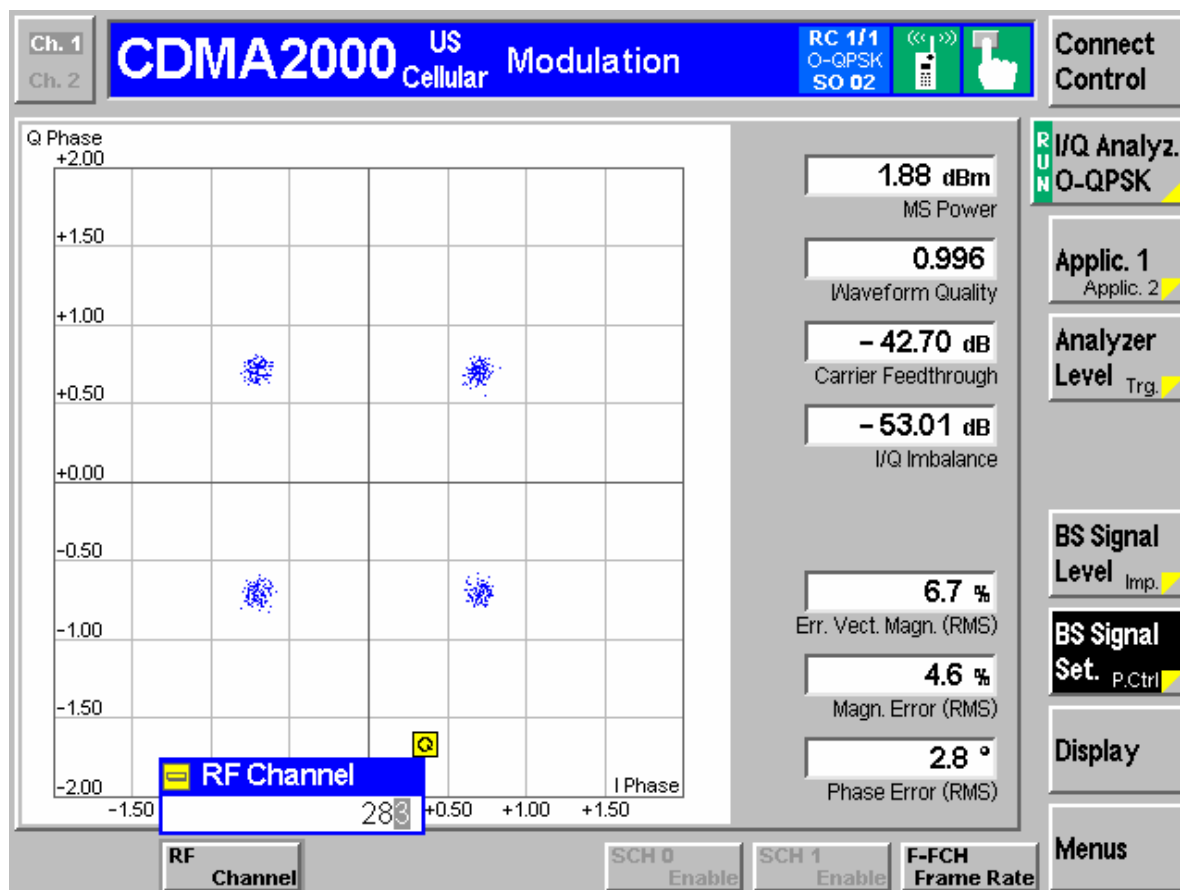
Measurement/Instrument Screen									
Control	Maximum/Minimum Power						Call Parm		
Max/Min Power Setup ▾	Maximum Power22.65 dBm Minimum Power-62.58 dBm/1.23 MHz Under RangeSingle						Cell 1 Power	-55.00	dBm/1.23 MHz
Maximum Power Setup ▾							Cell Band	US Cellular	
Minimum Power Setup ▾							Channel	777	
1 of 2							Protocol Rev	6 (IS-2000-0)	
							Radio Config	(Fud3, Rvs3)	S055 (Loopback)
							FCH Service Option Setup ▾		
							Active Cell Connected	Sys Type: IS-2000	Logging: No Conn.
				IntRef	Offset				
1 of 4									

Appendix B

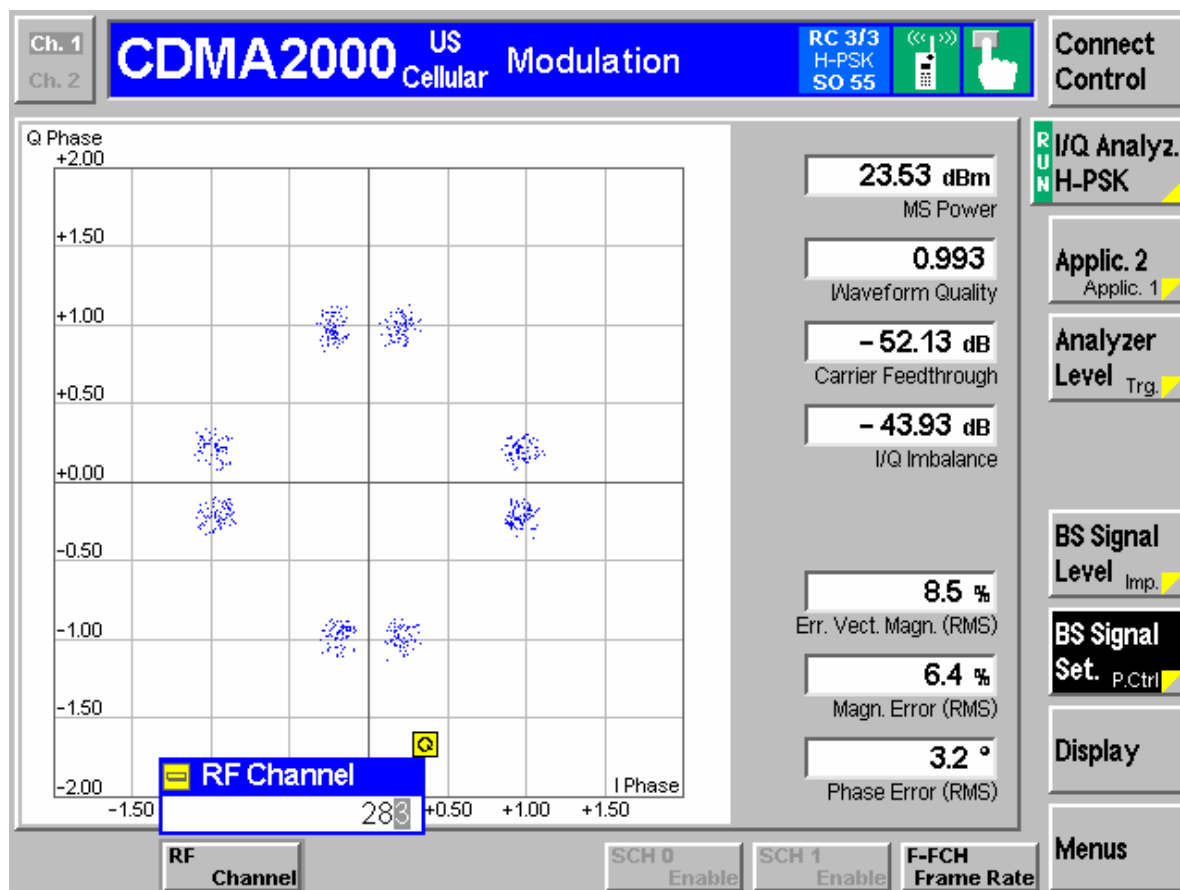
Modulation Characteristics

According to FCC Part 2.1047 & Part22 Subpart H

Channel 283 (TM1)



Channel 283 (TM3)

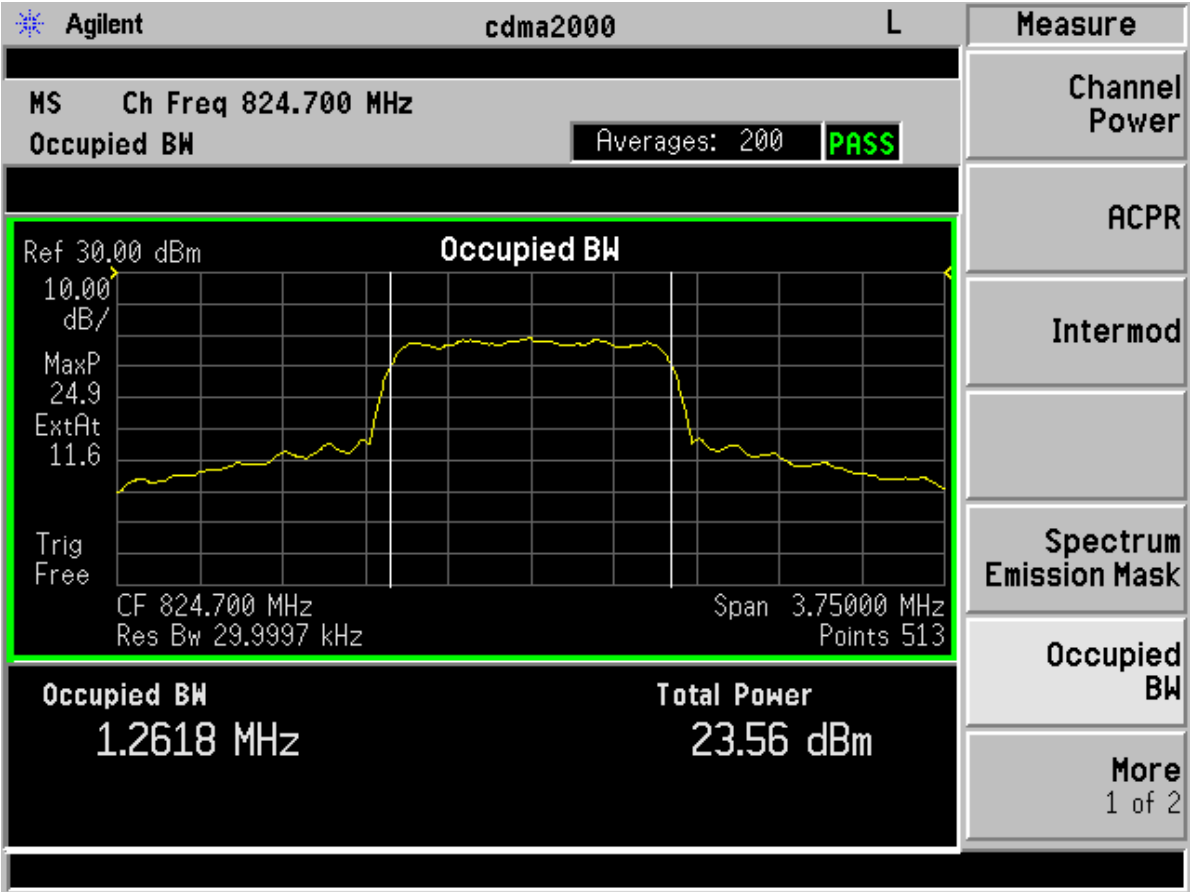


Appendix C

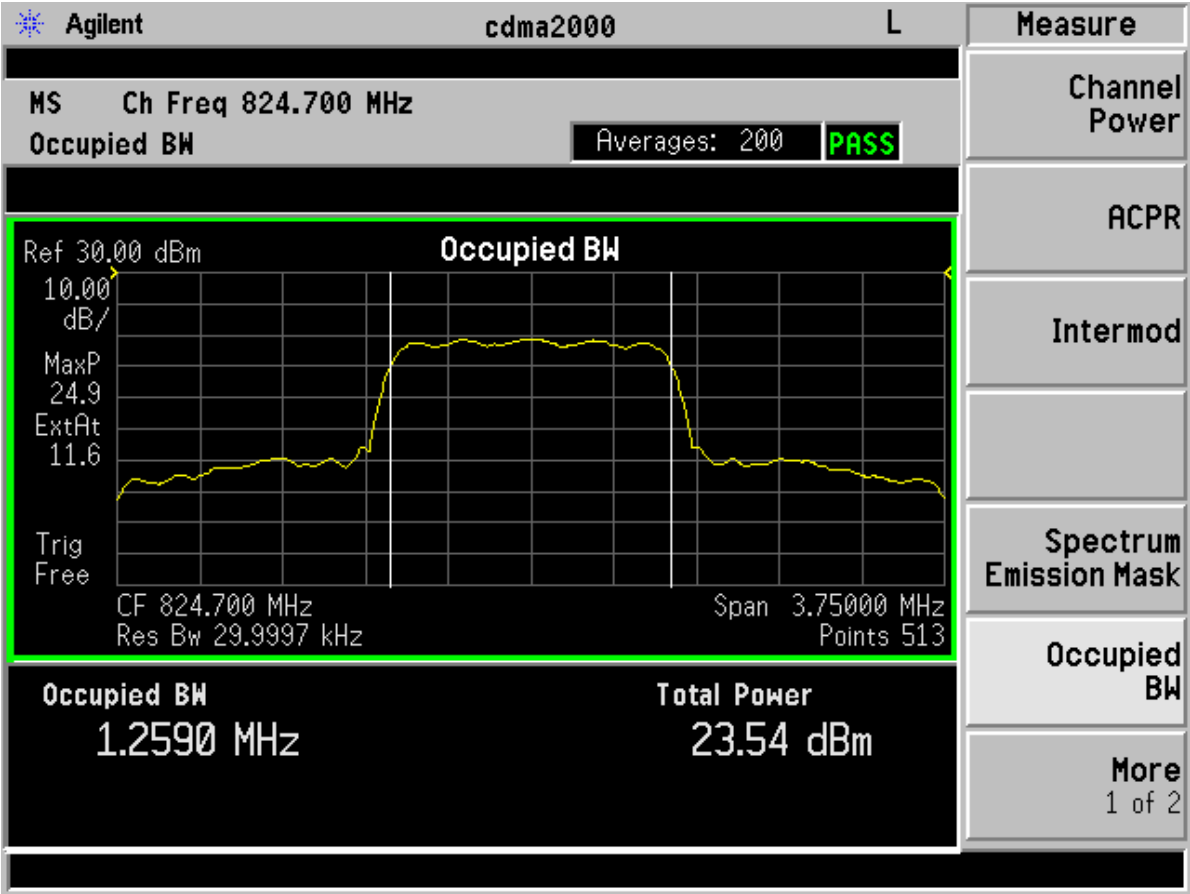
Occupied Bandwidth

According to FCC Part 2.1049 & Part 22 Subpart H

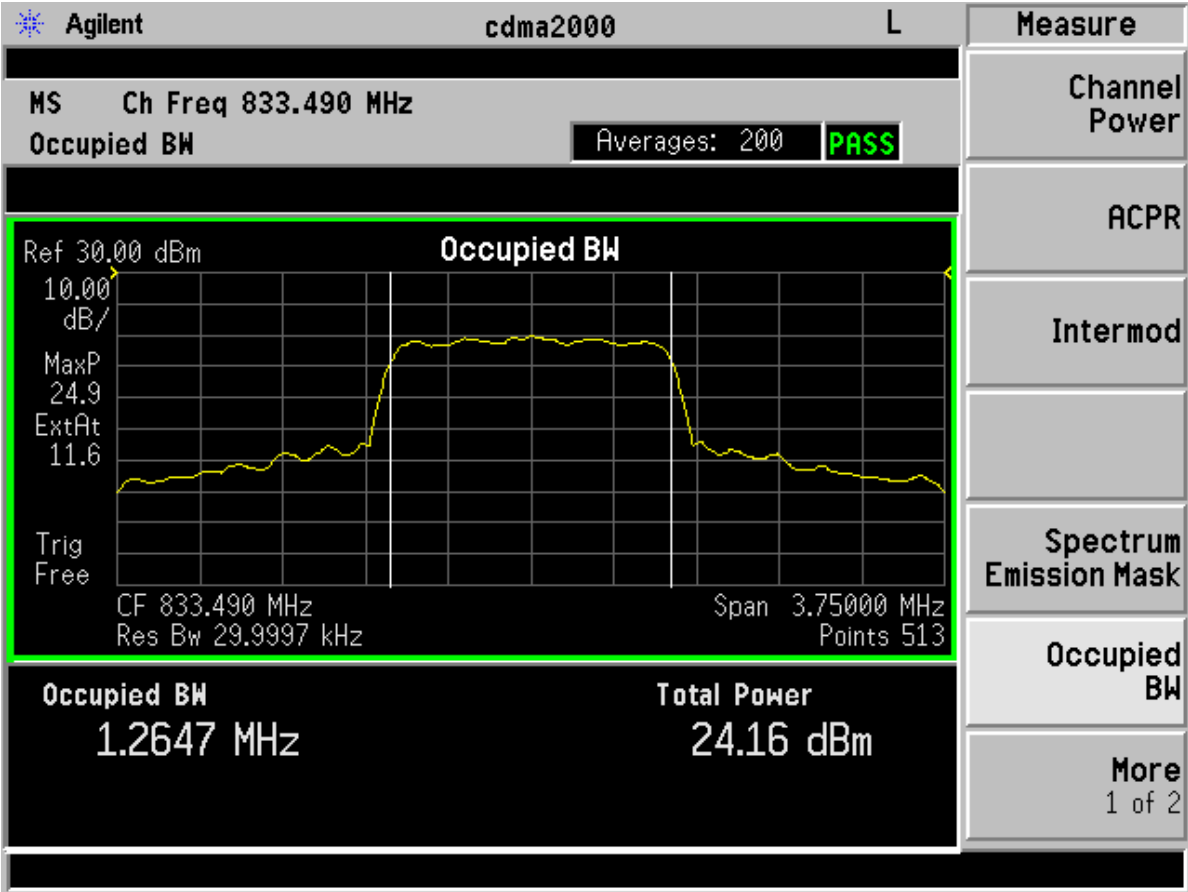
Channel 1013 (TM1)



Channel 1013 (TM3)

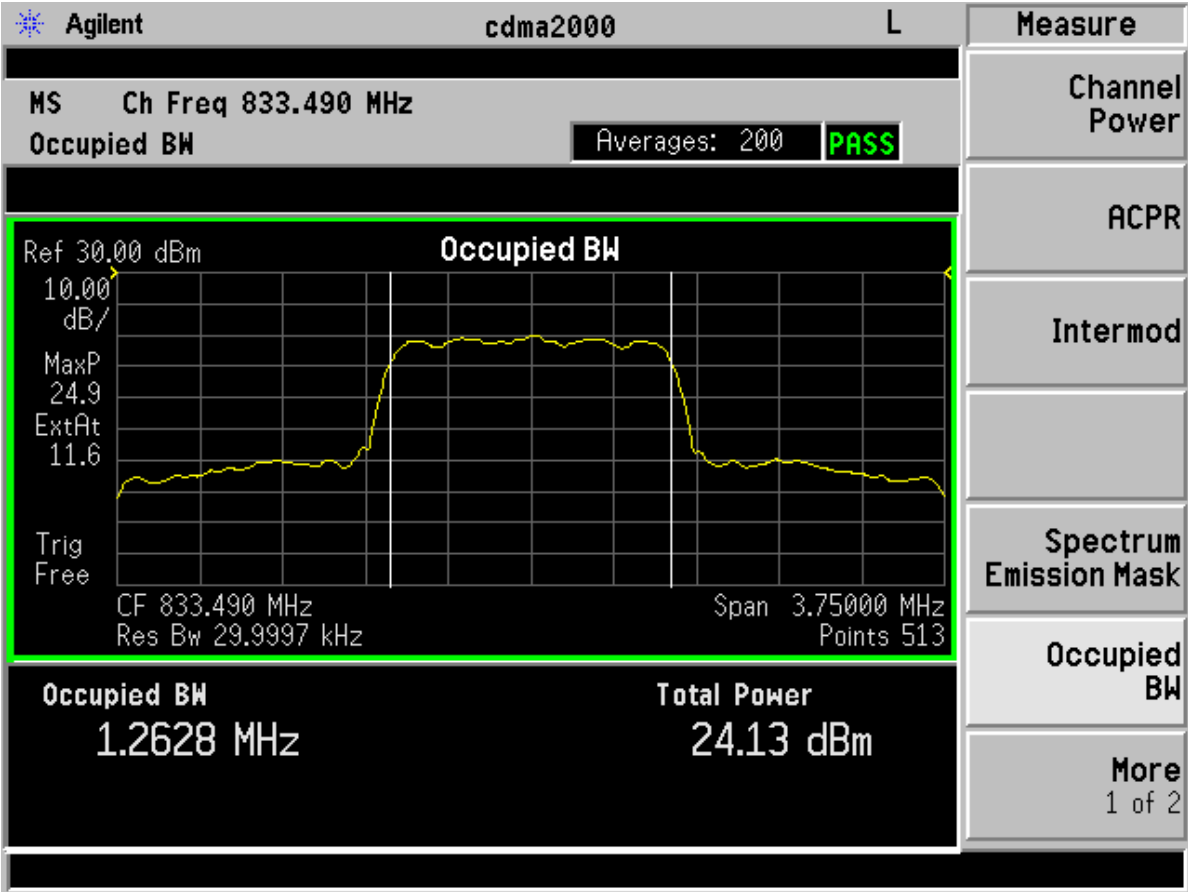


Channel 283 (TM1)

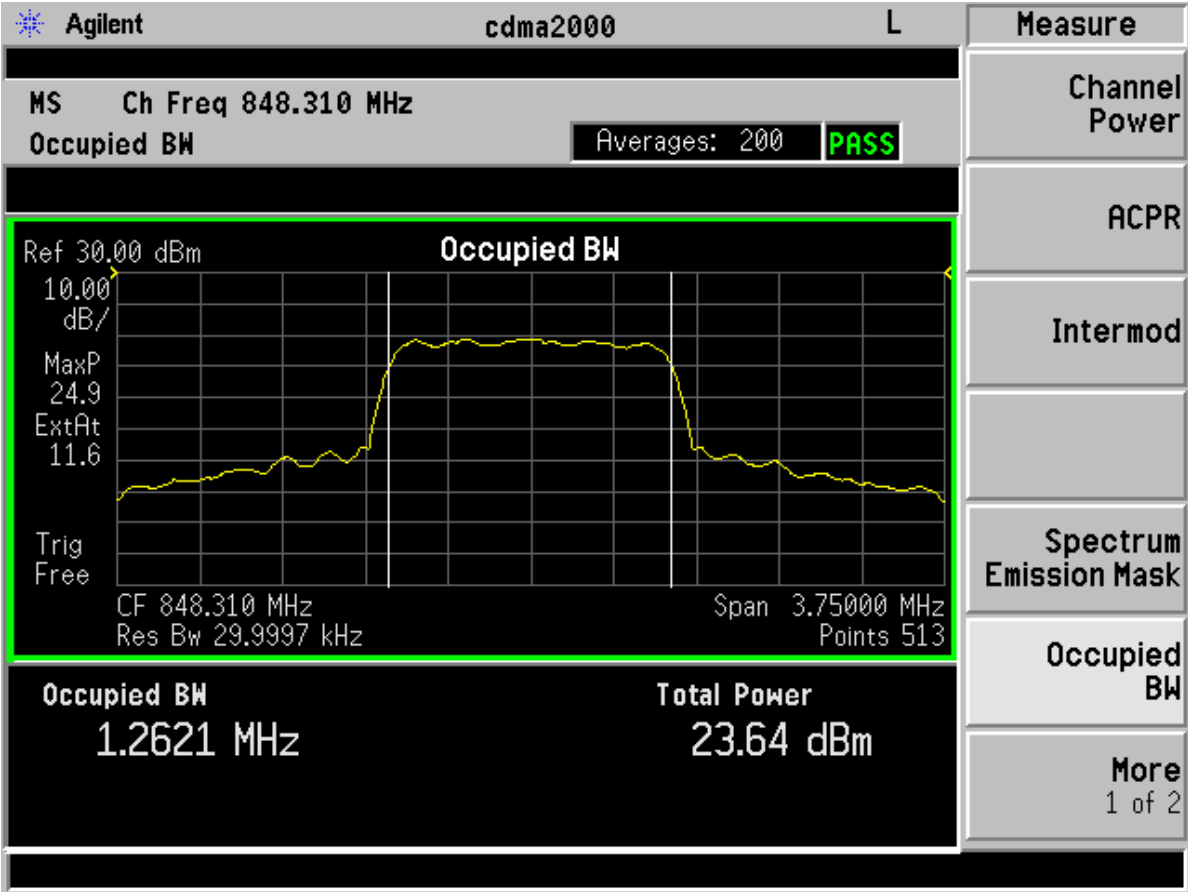




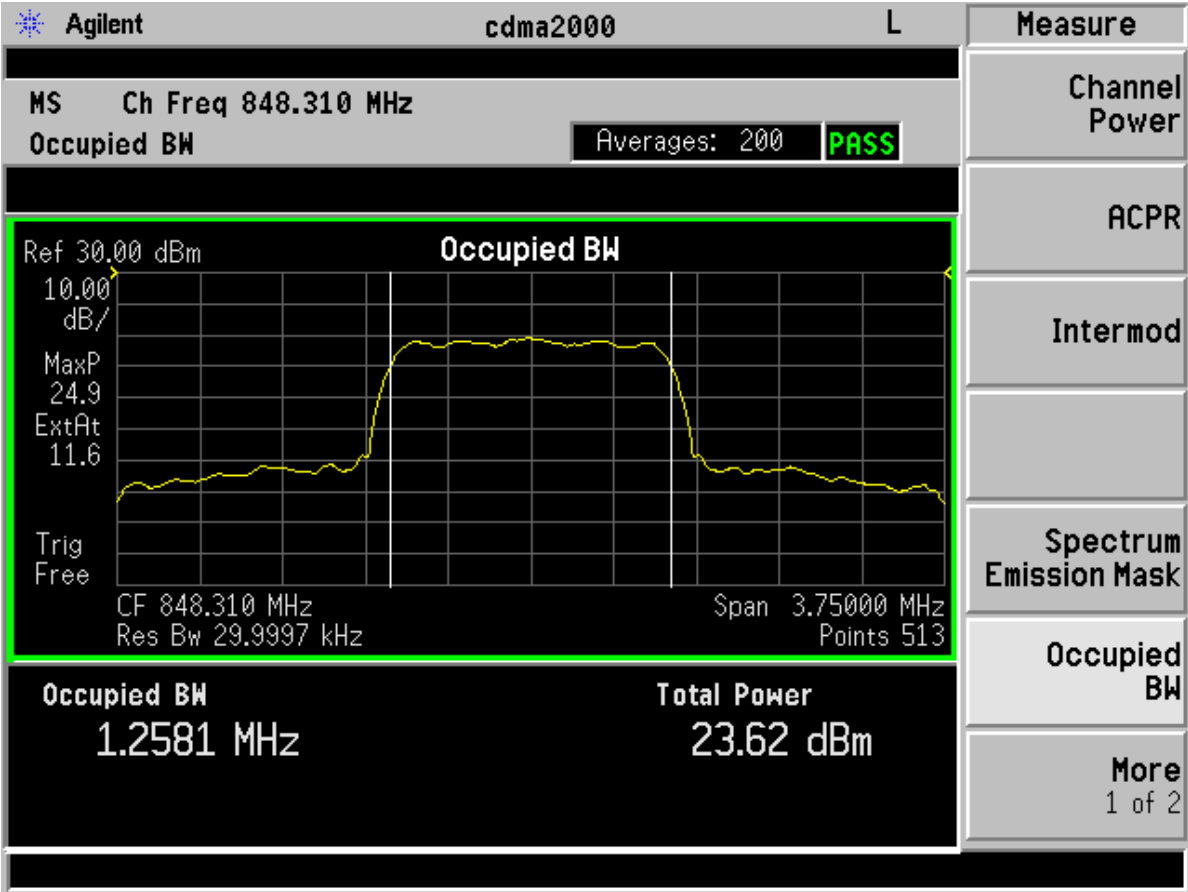
Channel 283 (TM3)



Channel 777 (TM1)



Channel 777 (TM3)

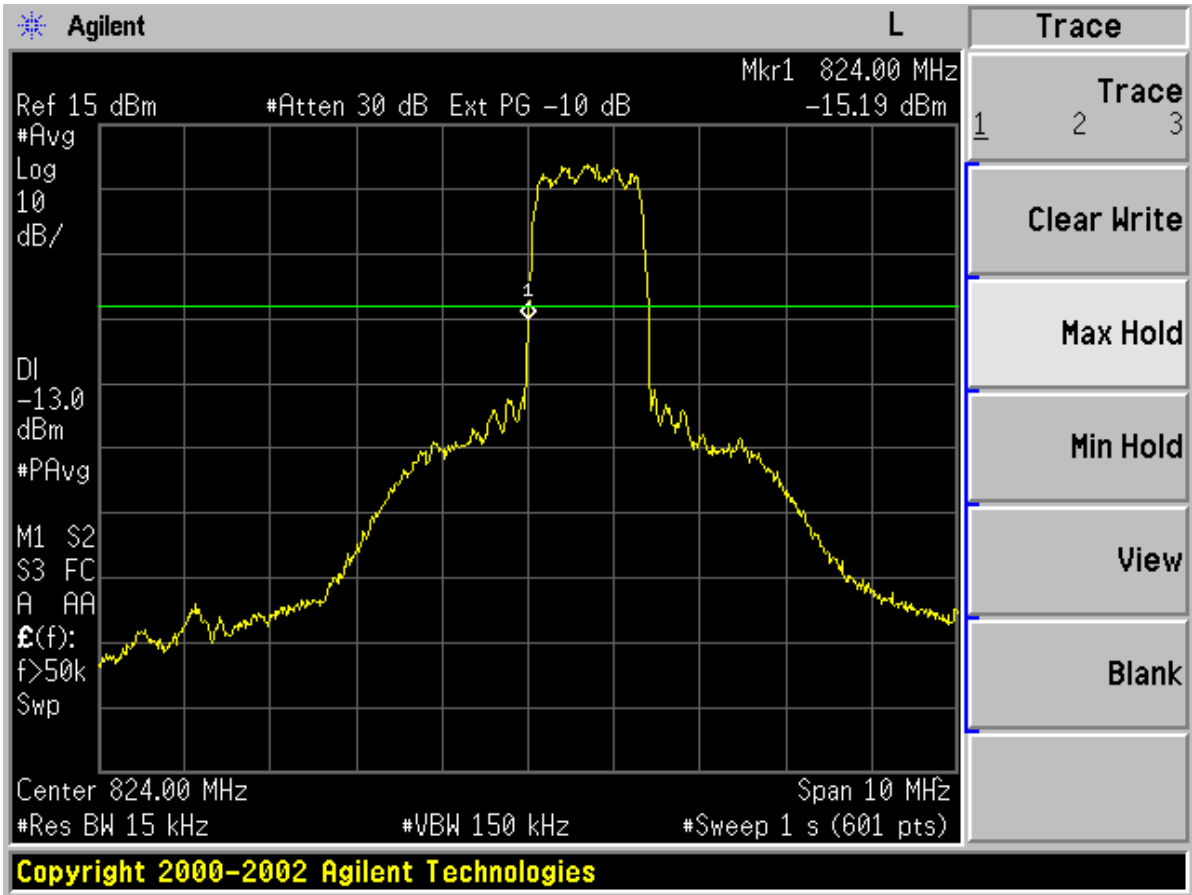


Appendix D

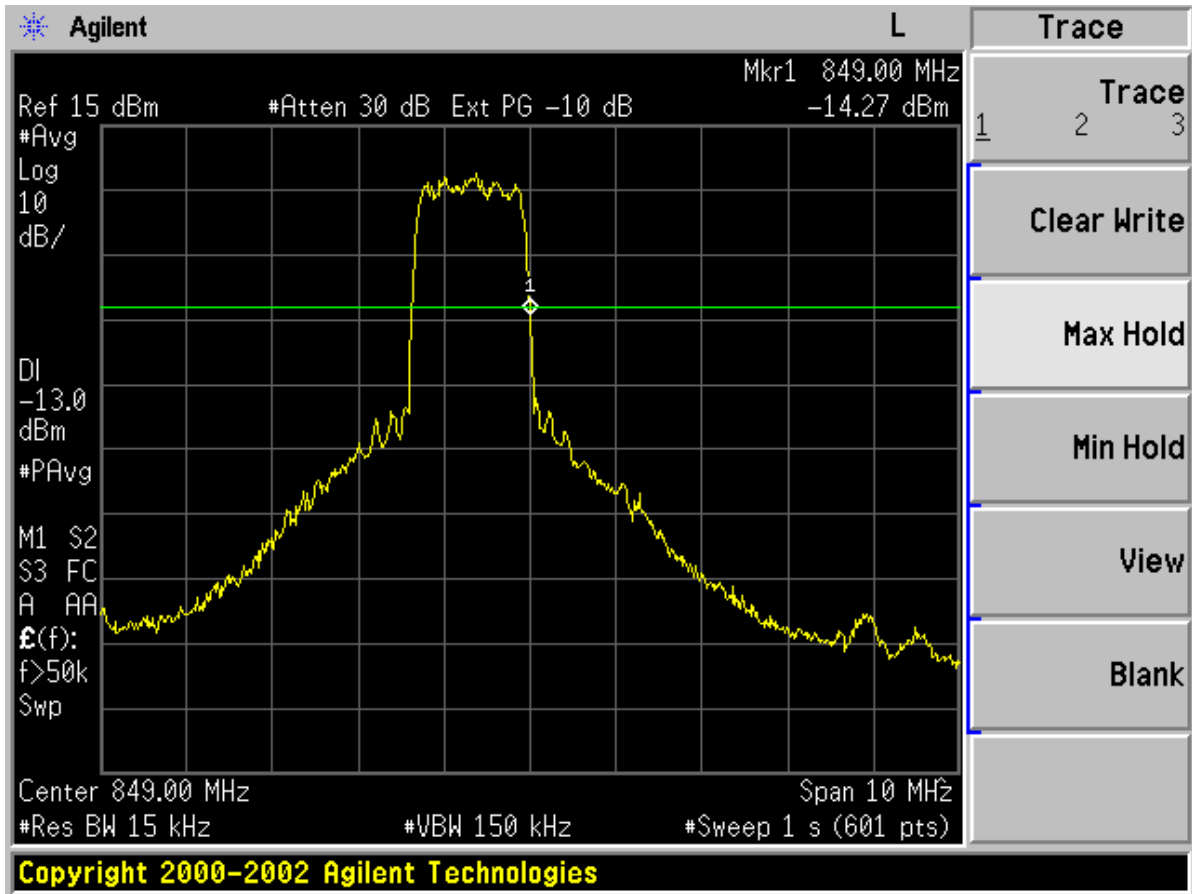
Band Edges Compliance According to FCC part 2.1051 & 22.917

TM1

Left Edge (824 MHz)
Channel 1013

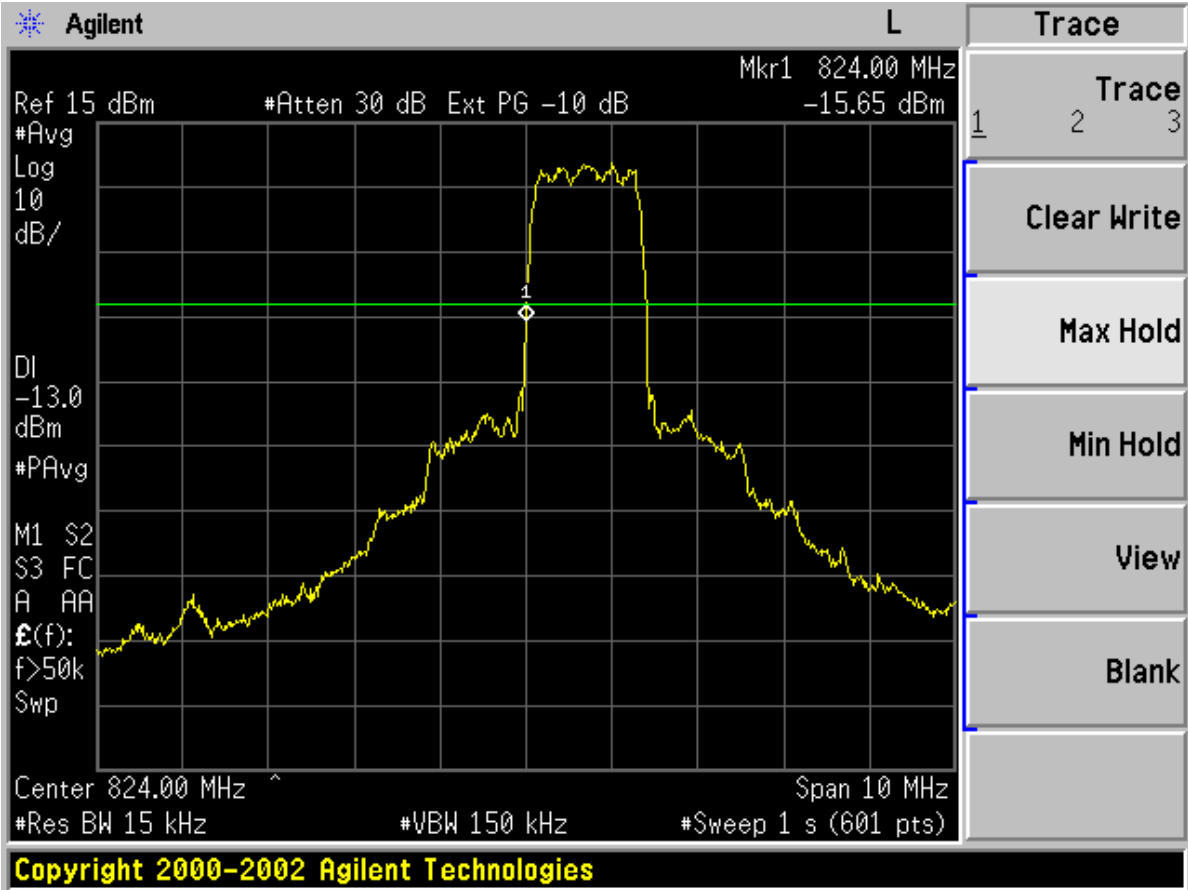


Right Edge (849 MHz)
Channel 777

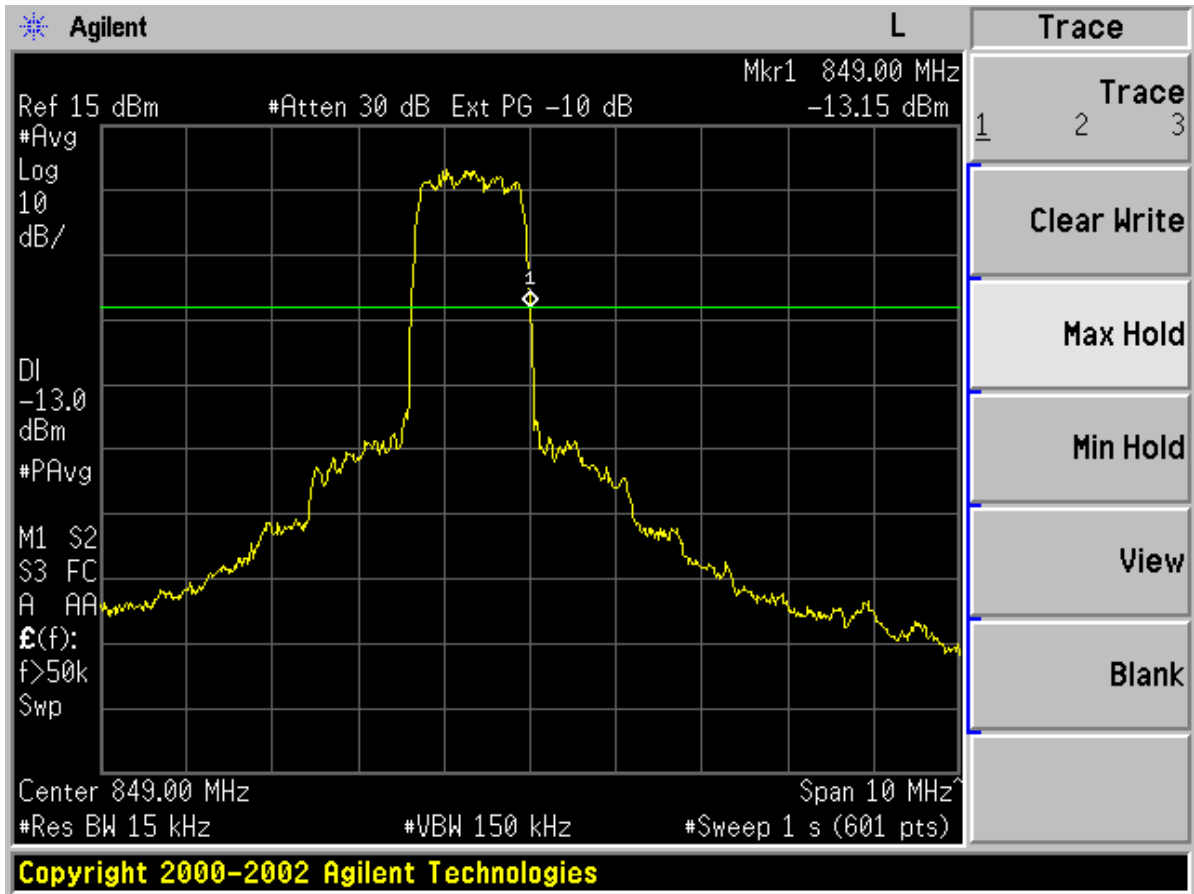


TM3

Left Edge (824 MHz)
Channel 1013



Right Edge (849 MHz)
Channel 777



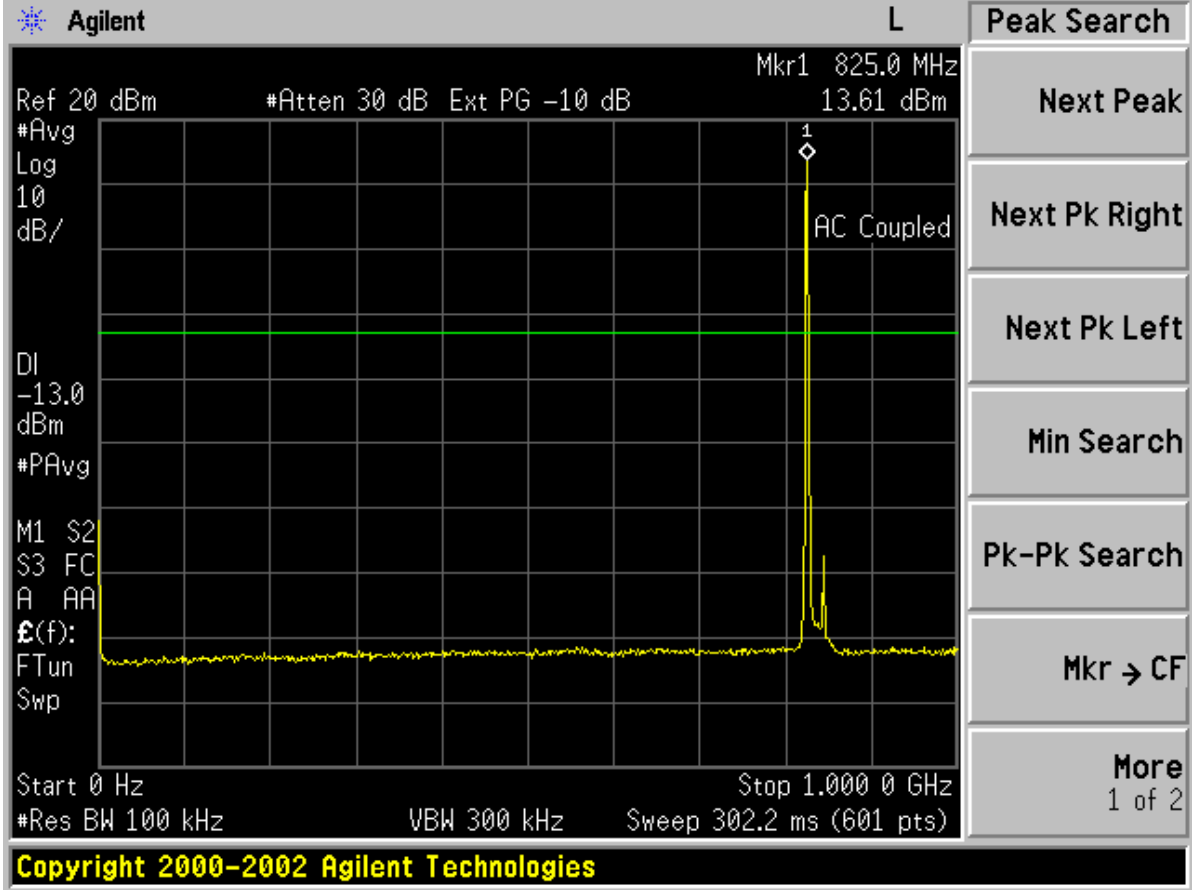
Appendix E

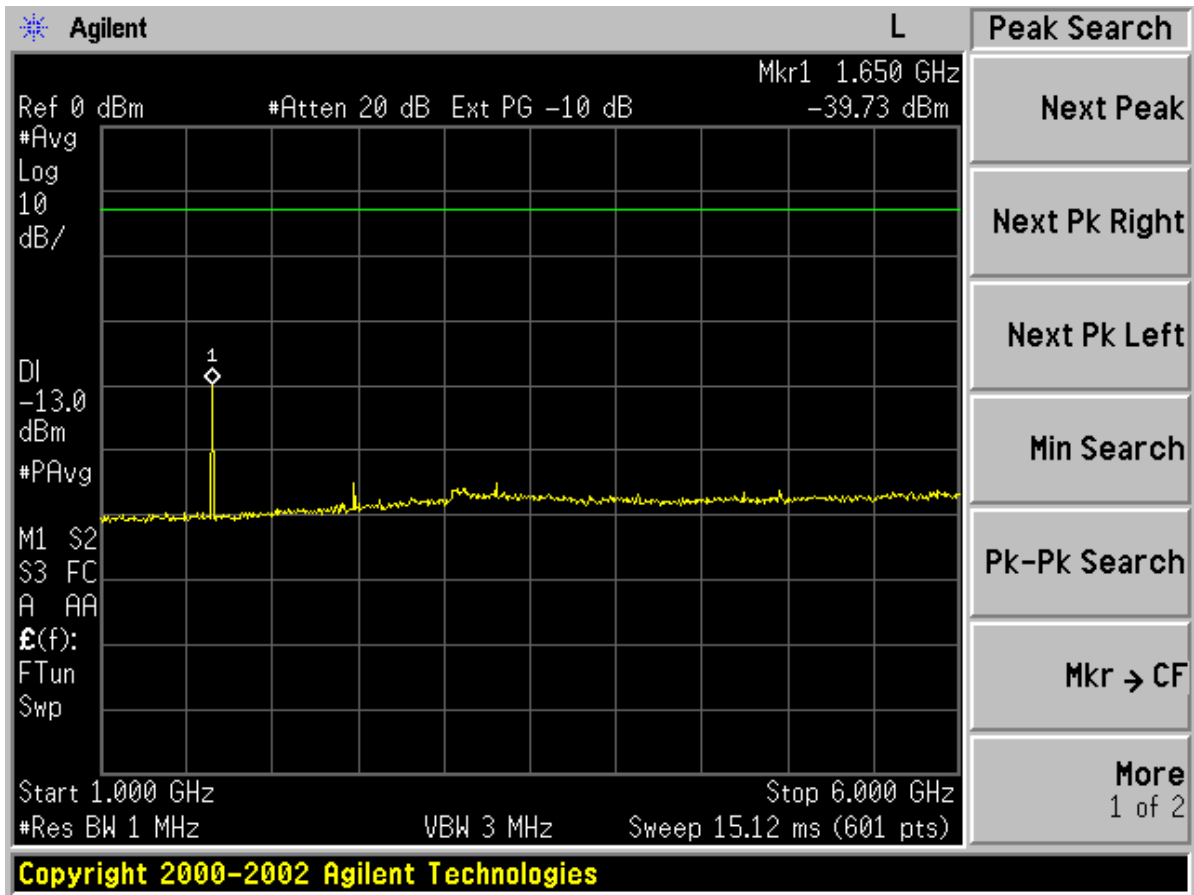
Spurious Emission at Antenna Terminal

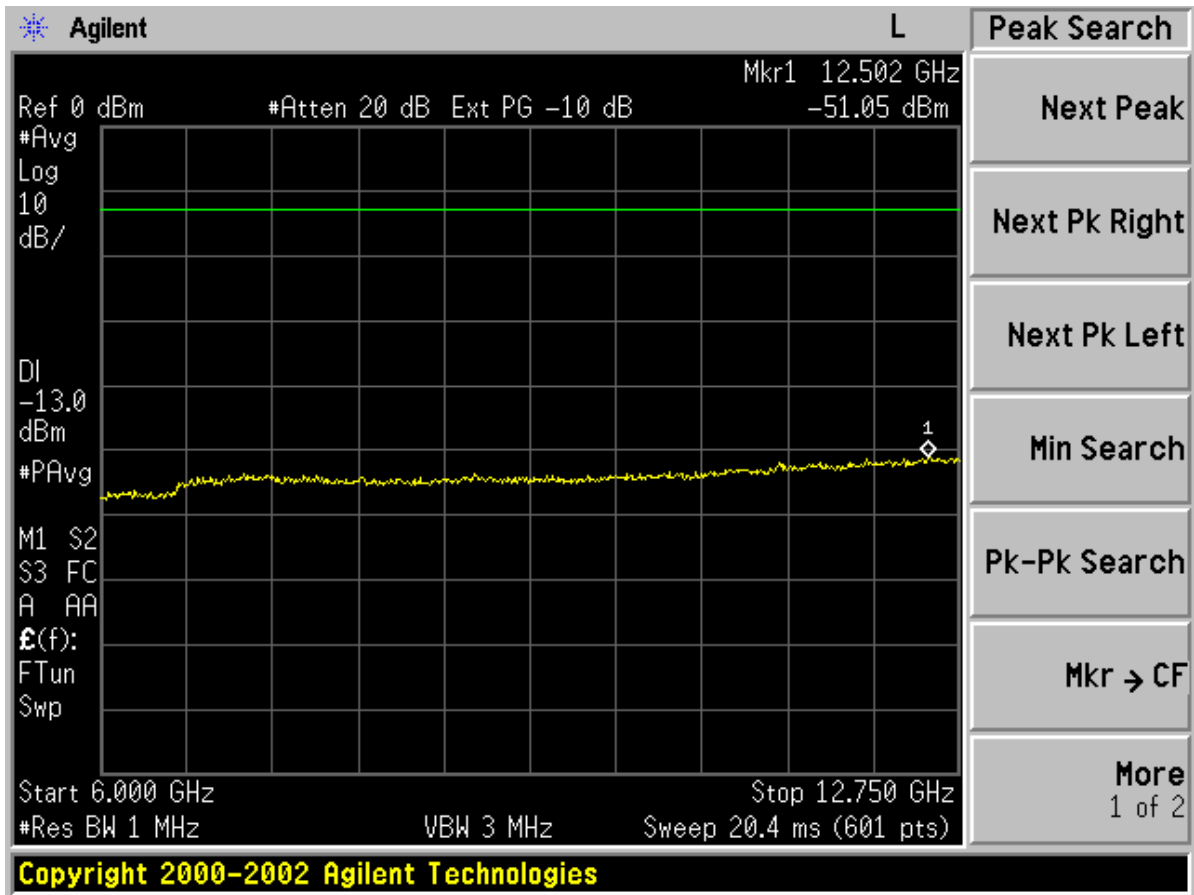
According to FCC Part 2.1051 & 22.917

TM1

Channel 1013

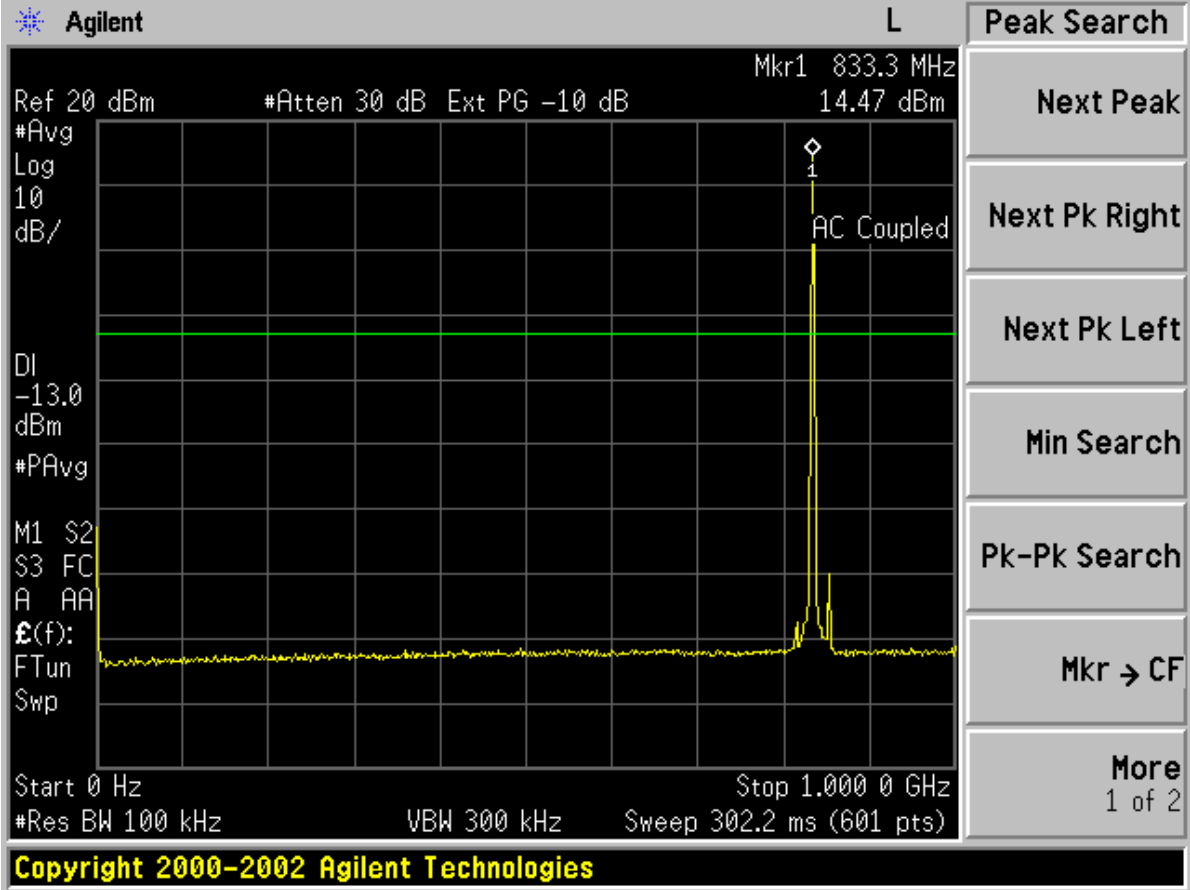


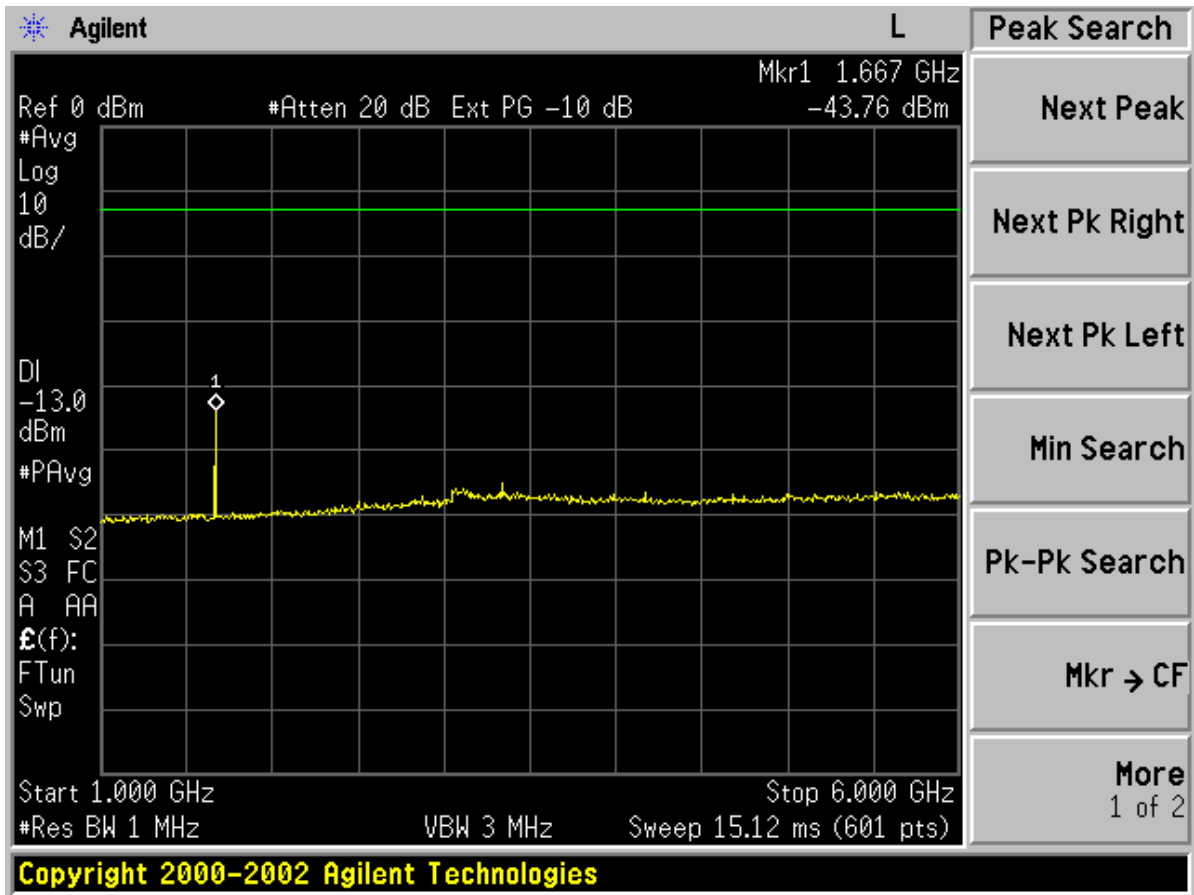


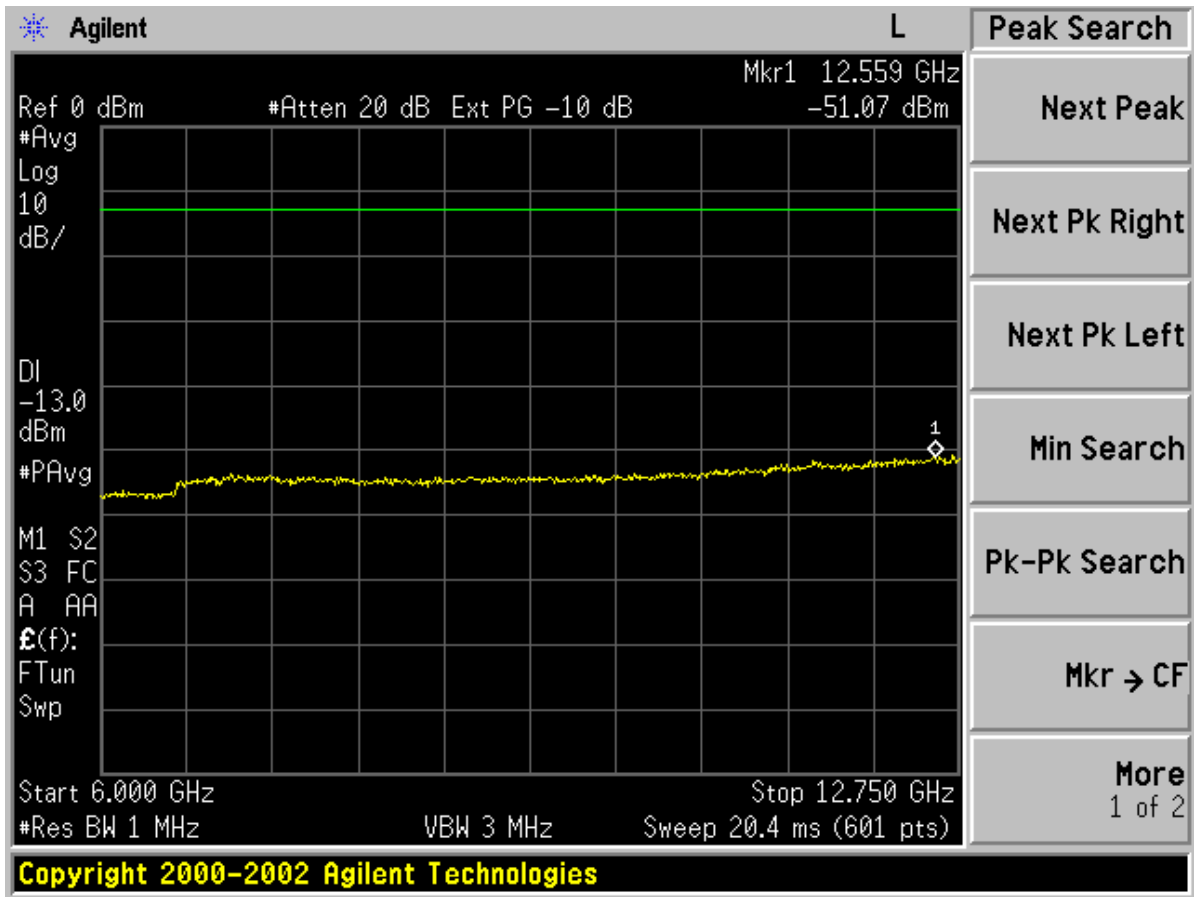




Channel 283

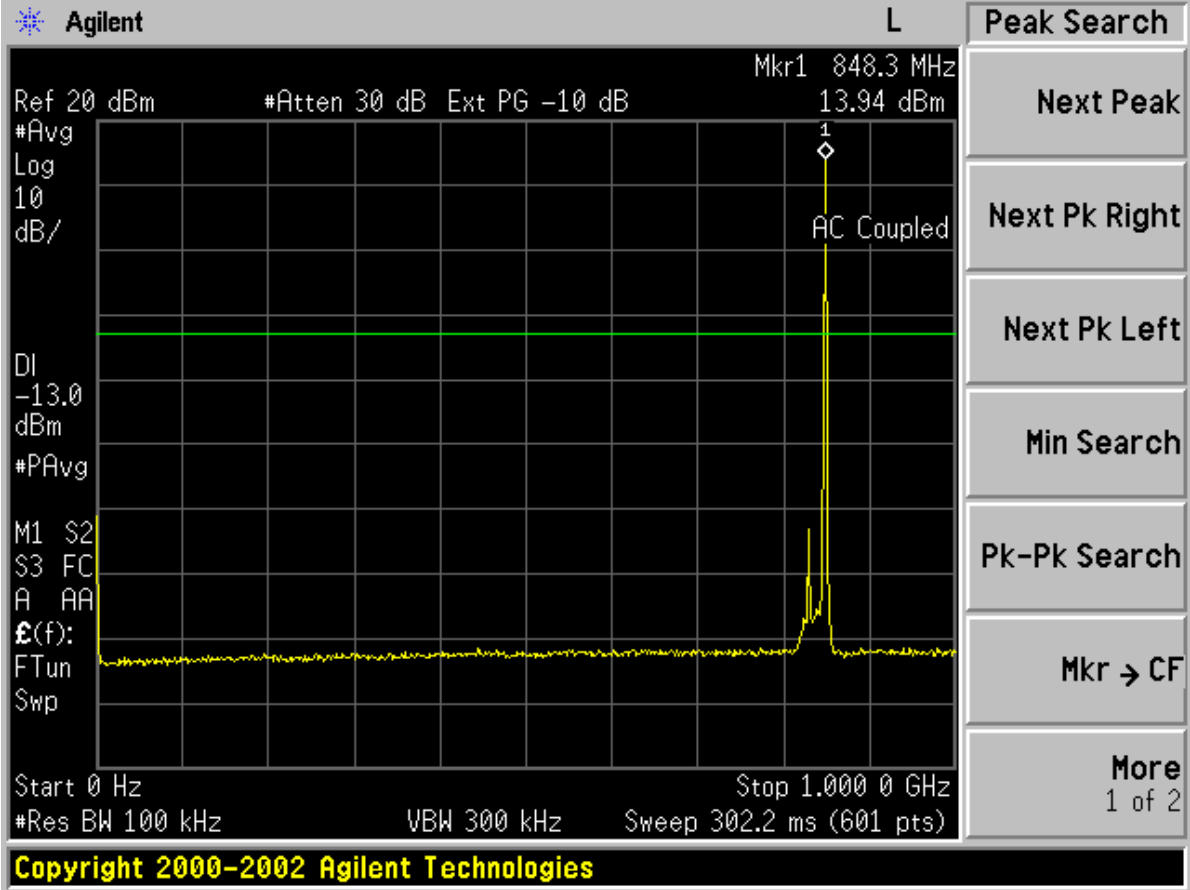


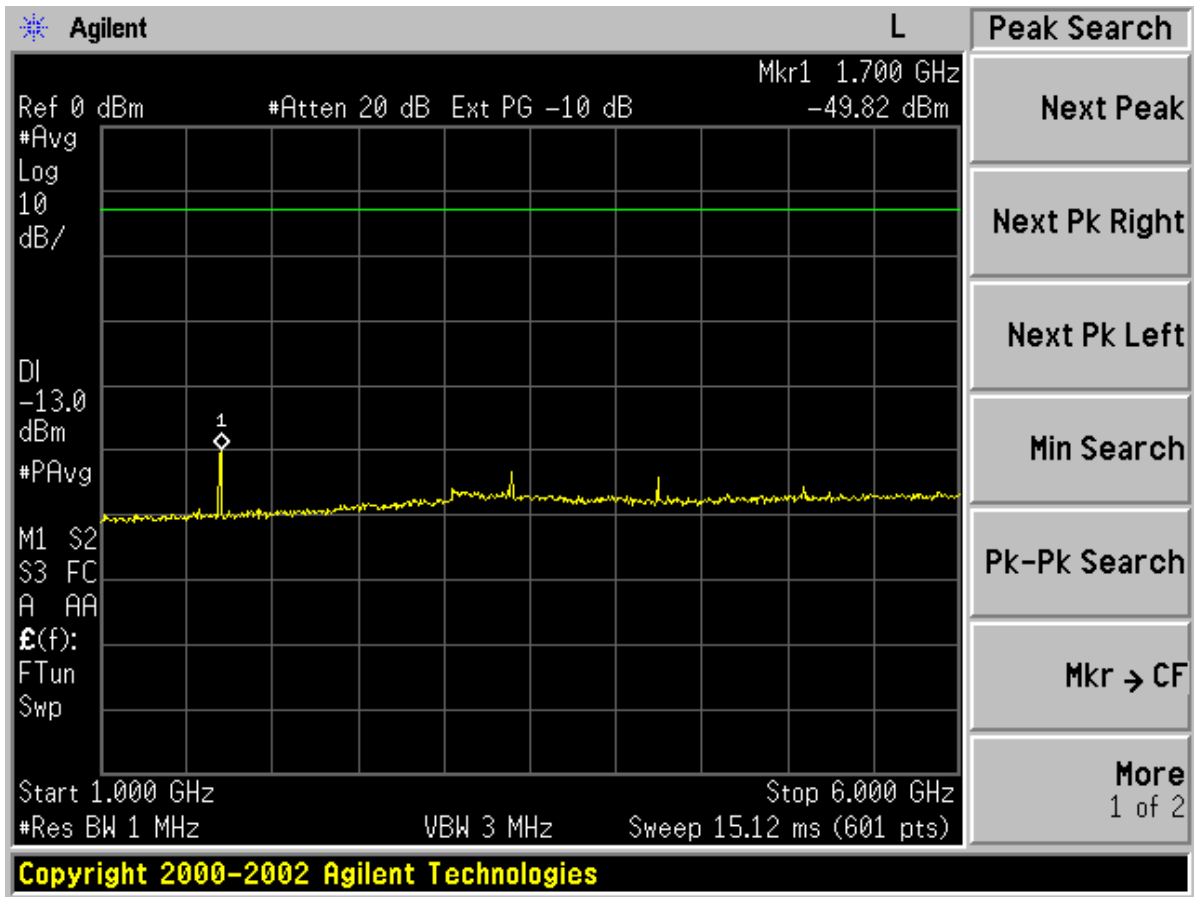


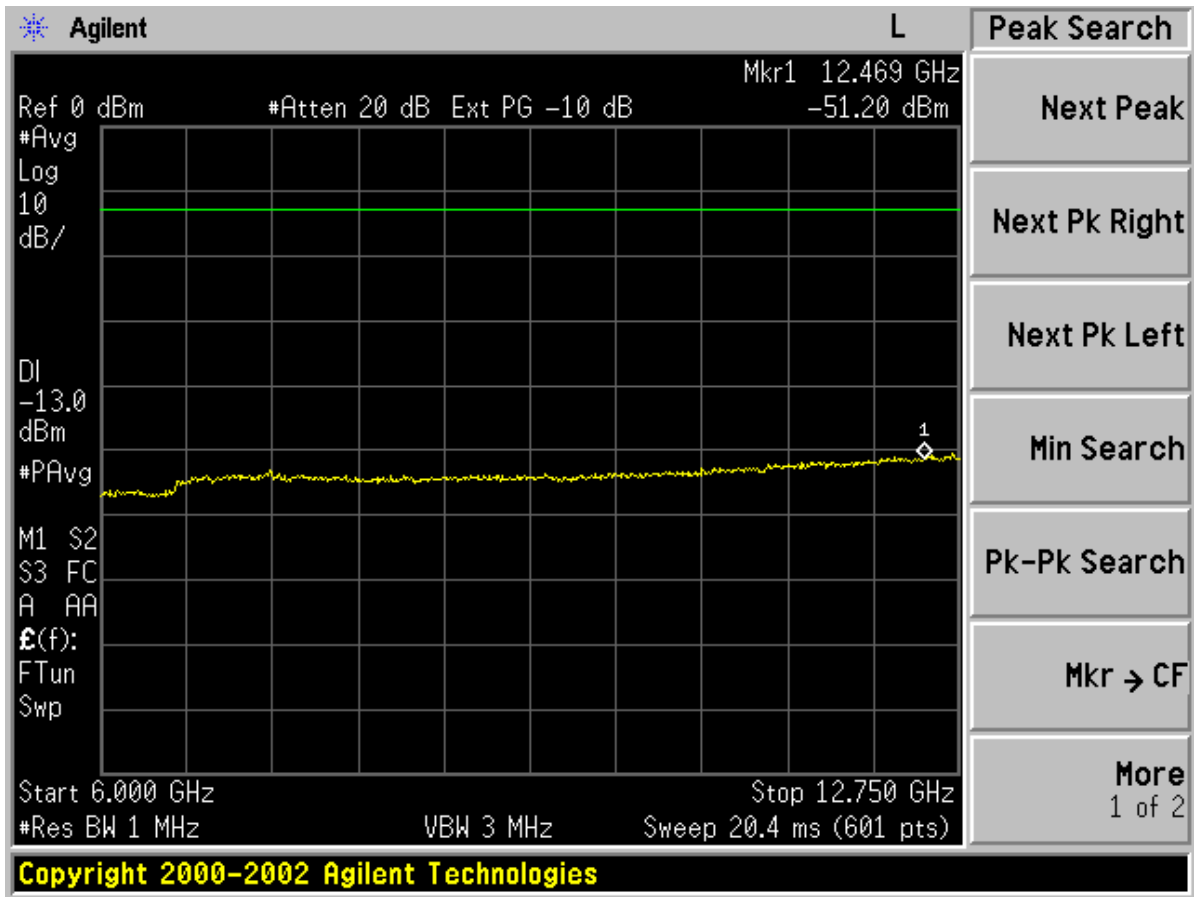




Channel 777

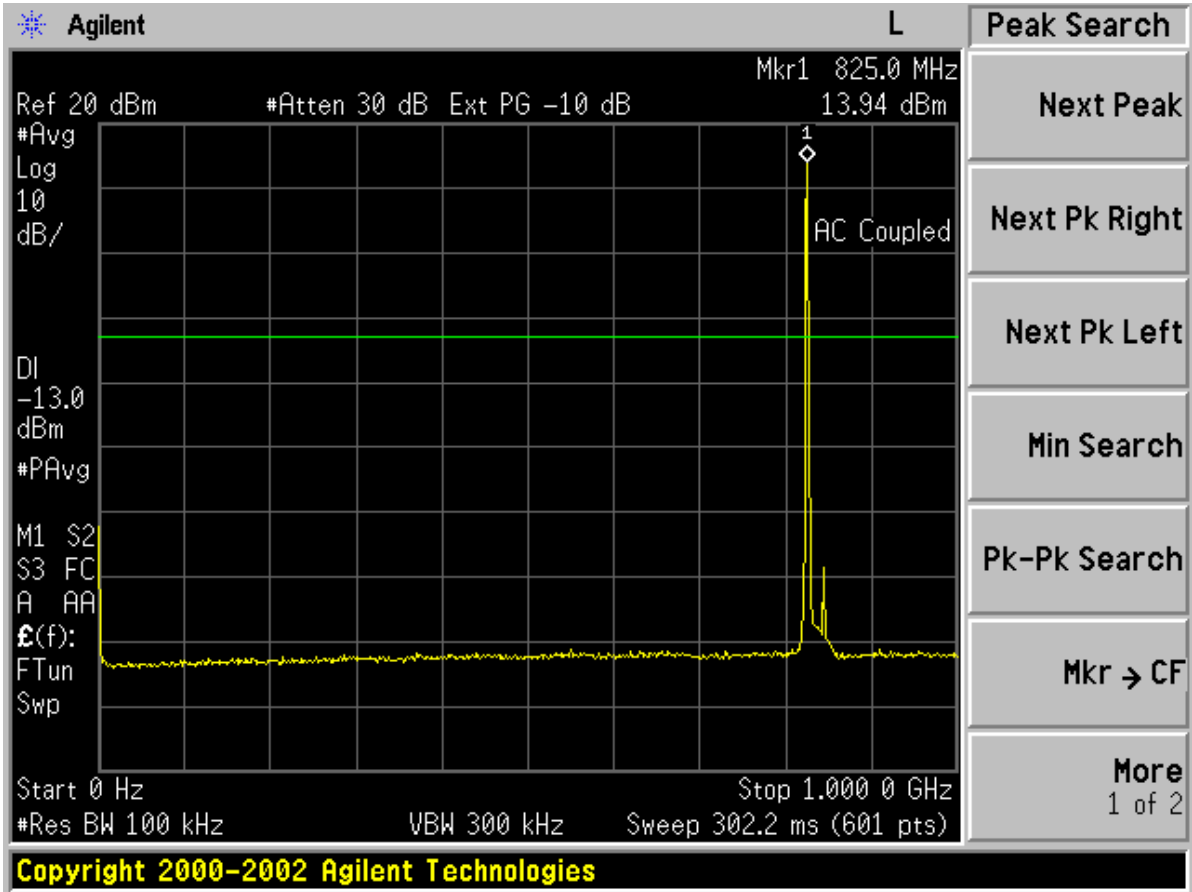


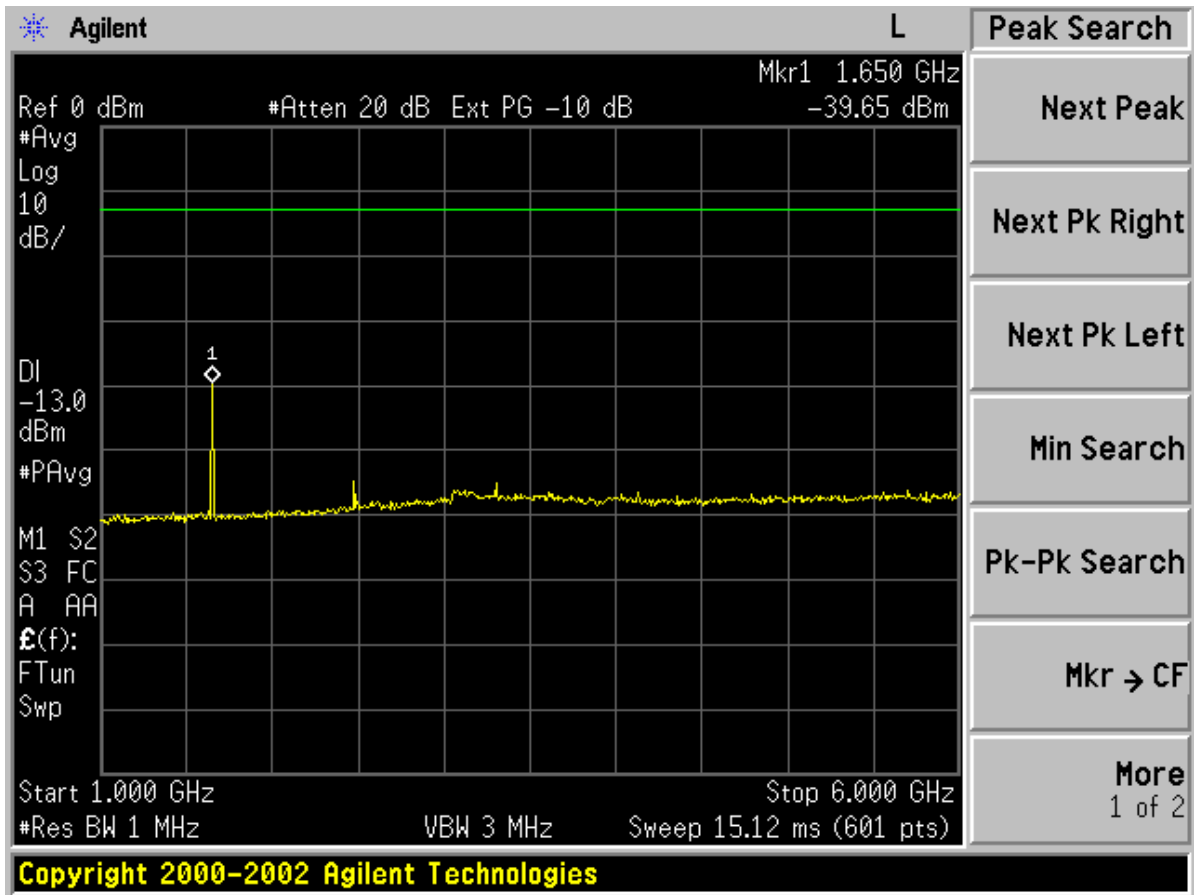


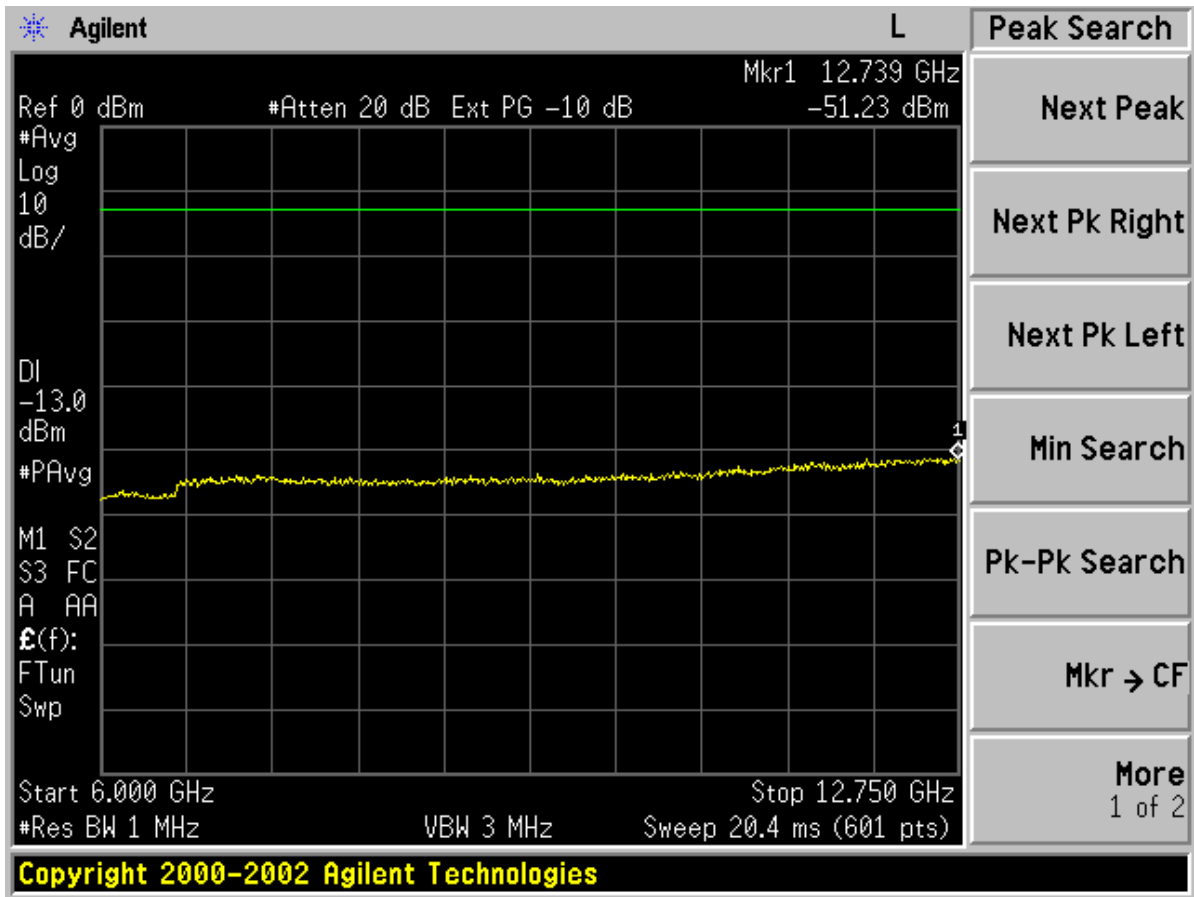


TM3

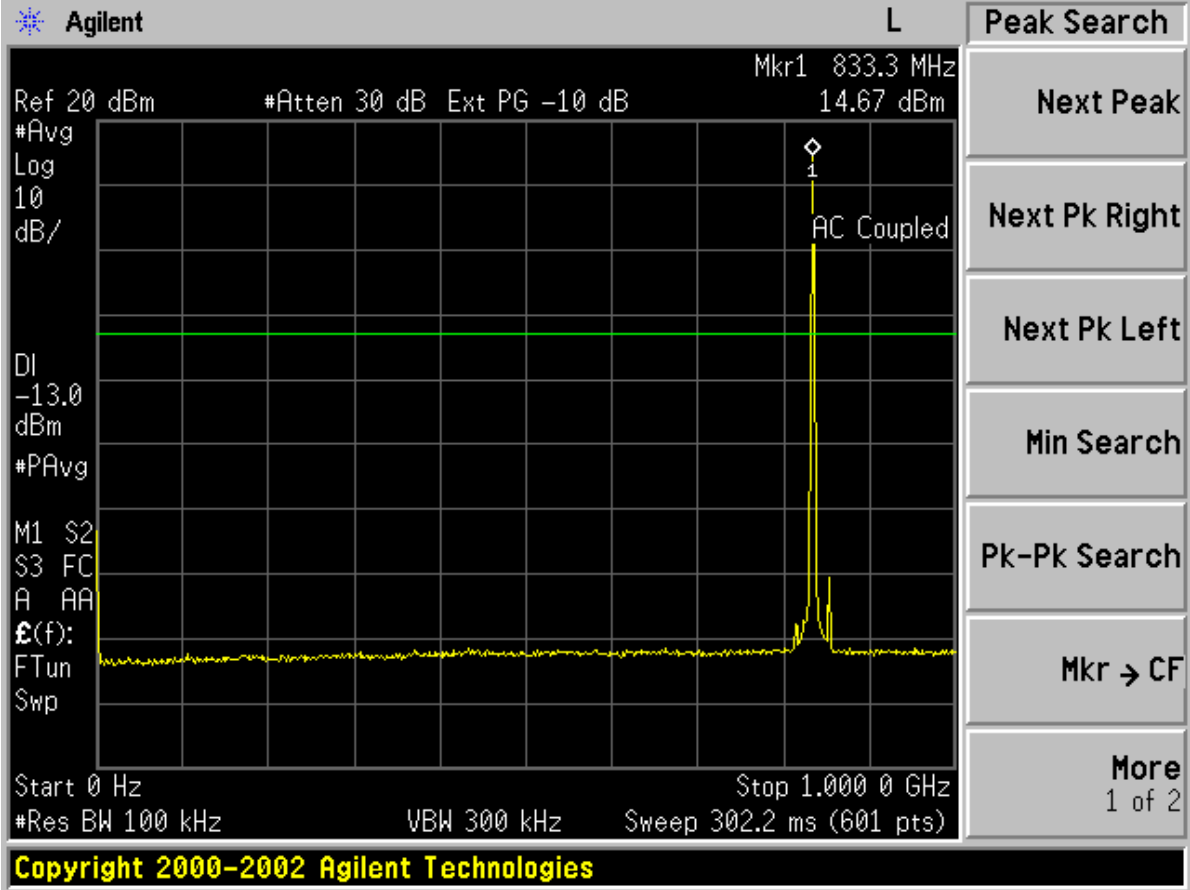
Channel 1013

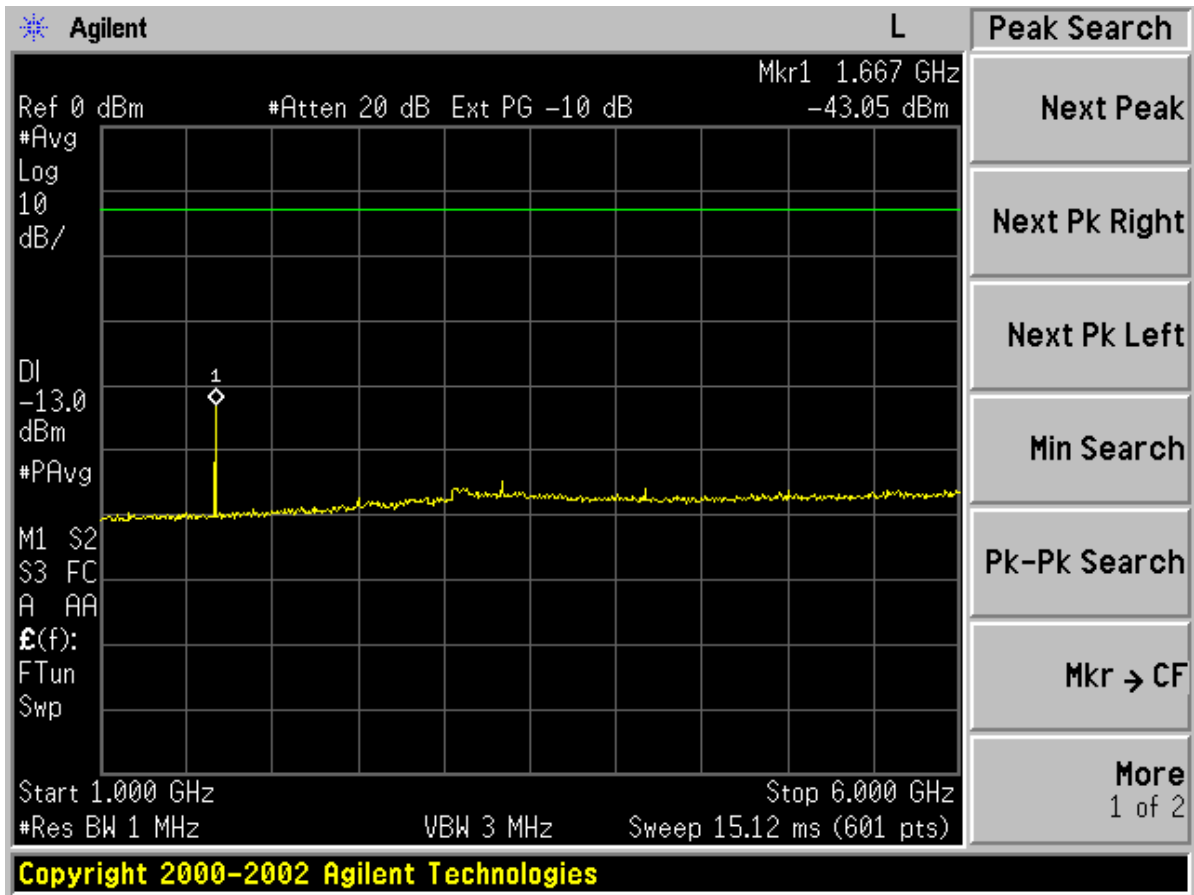


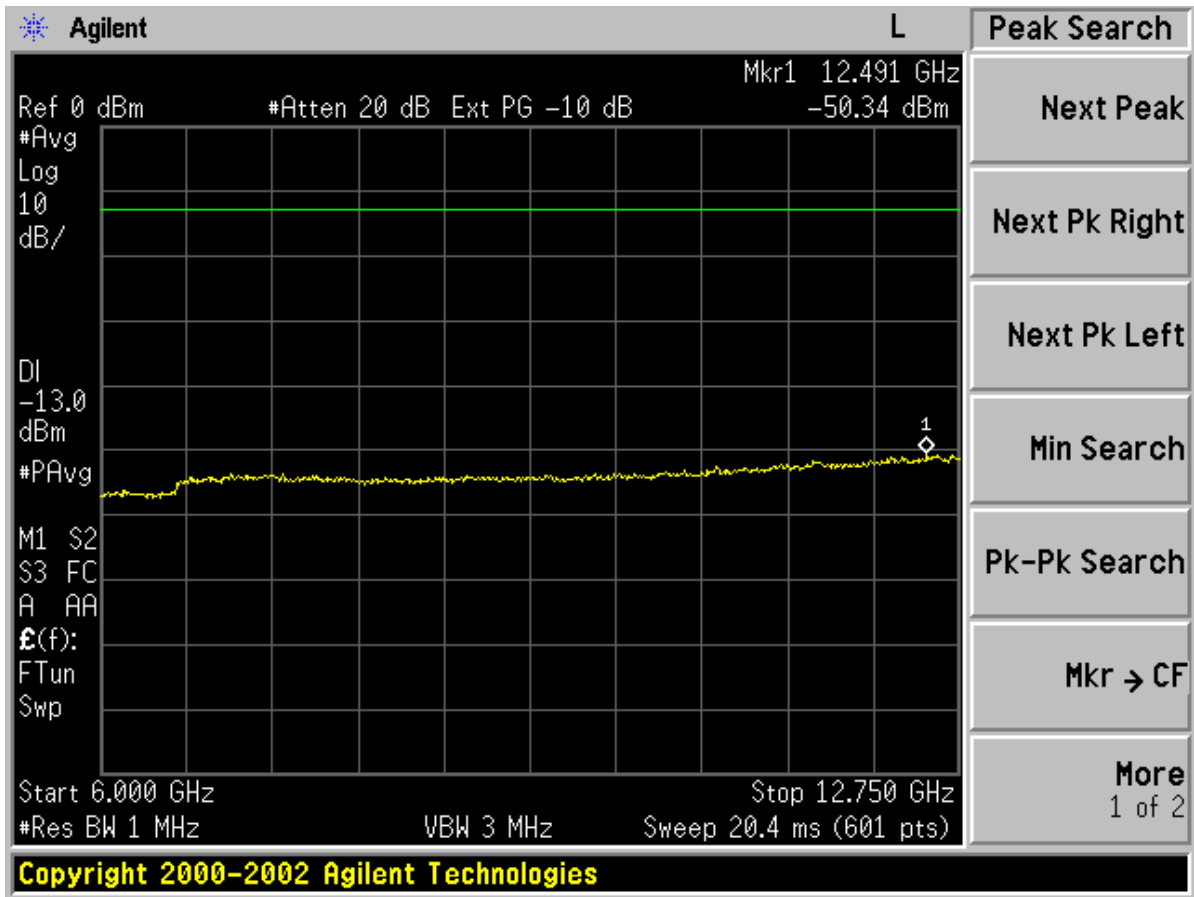




Channel 283

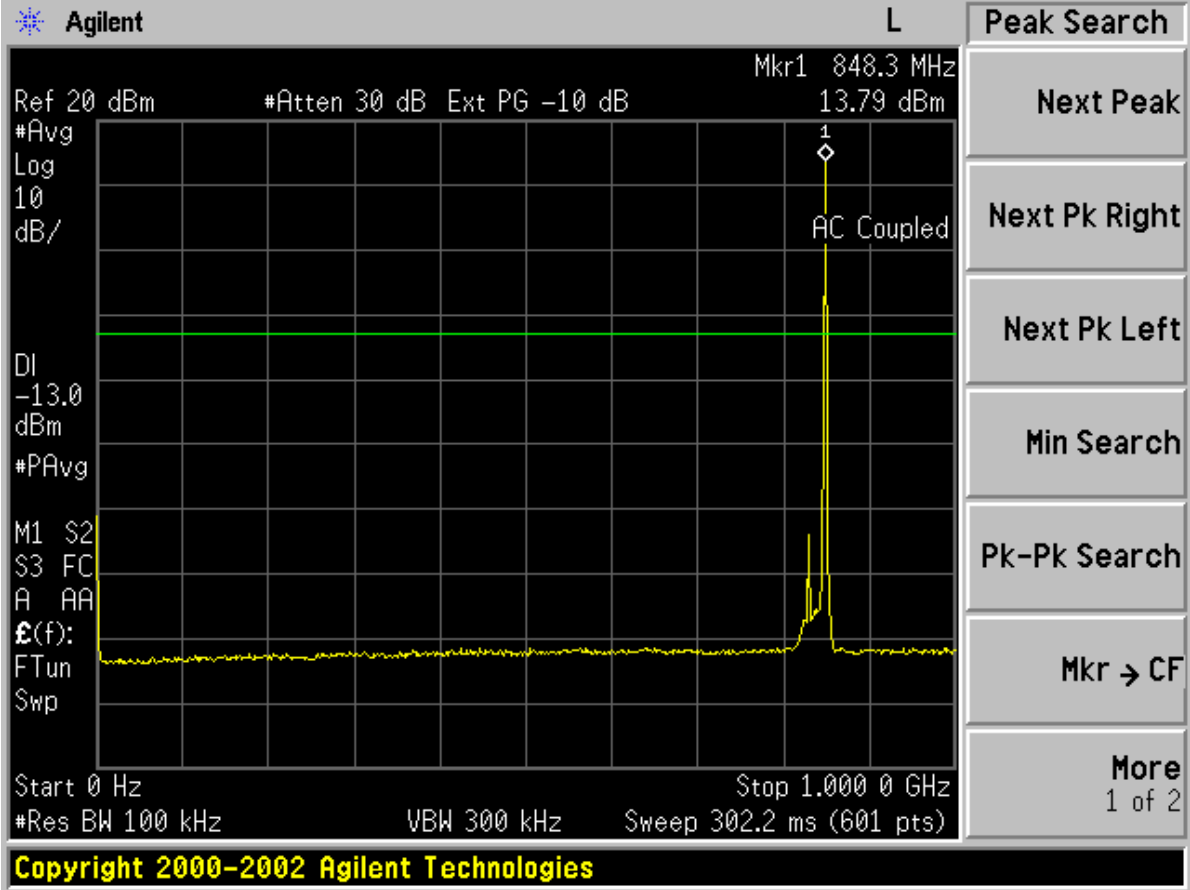


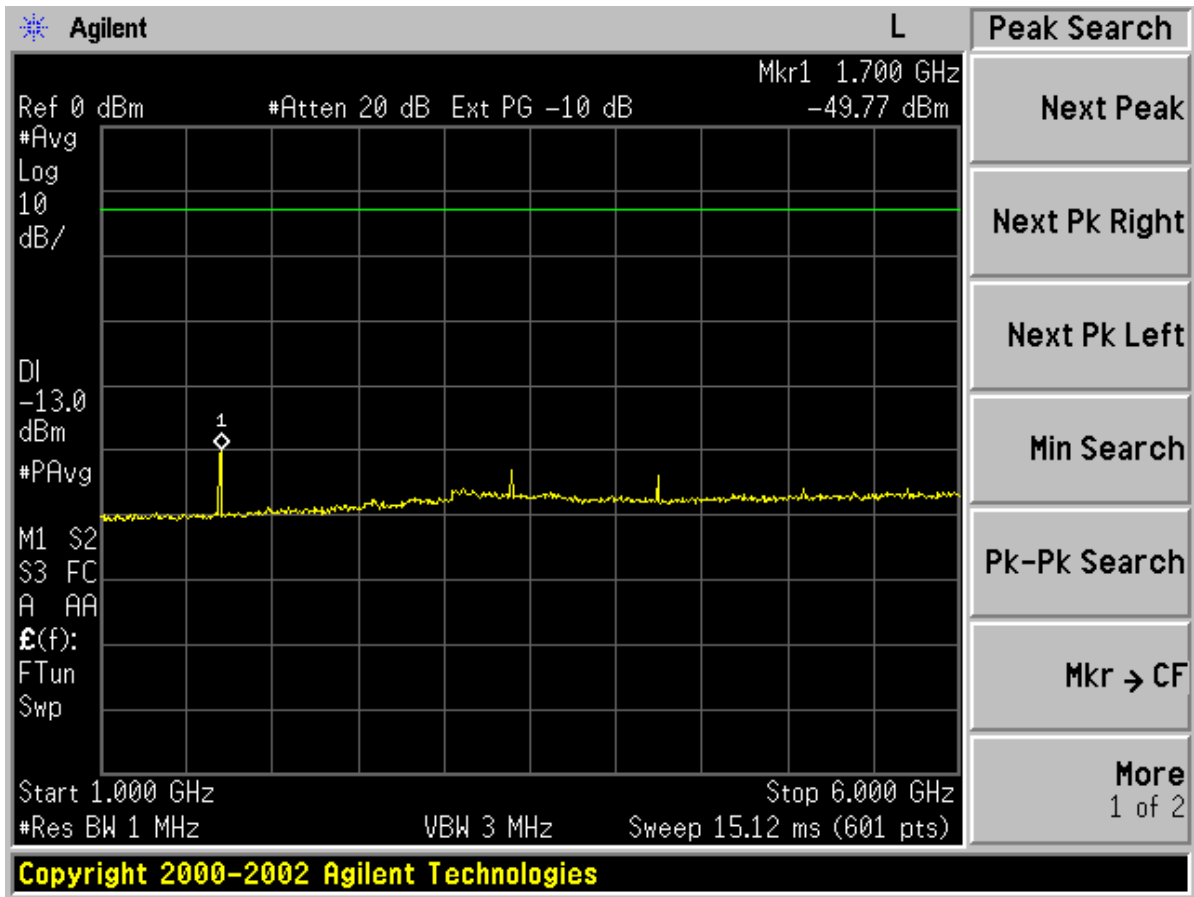


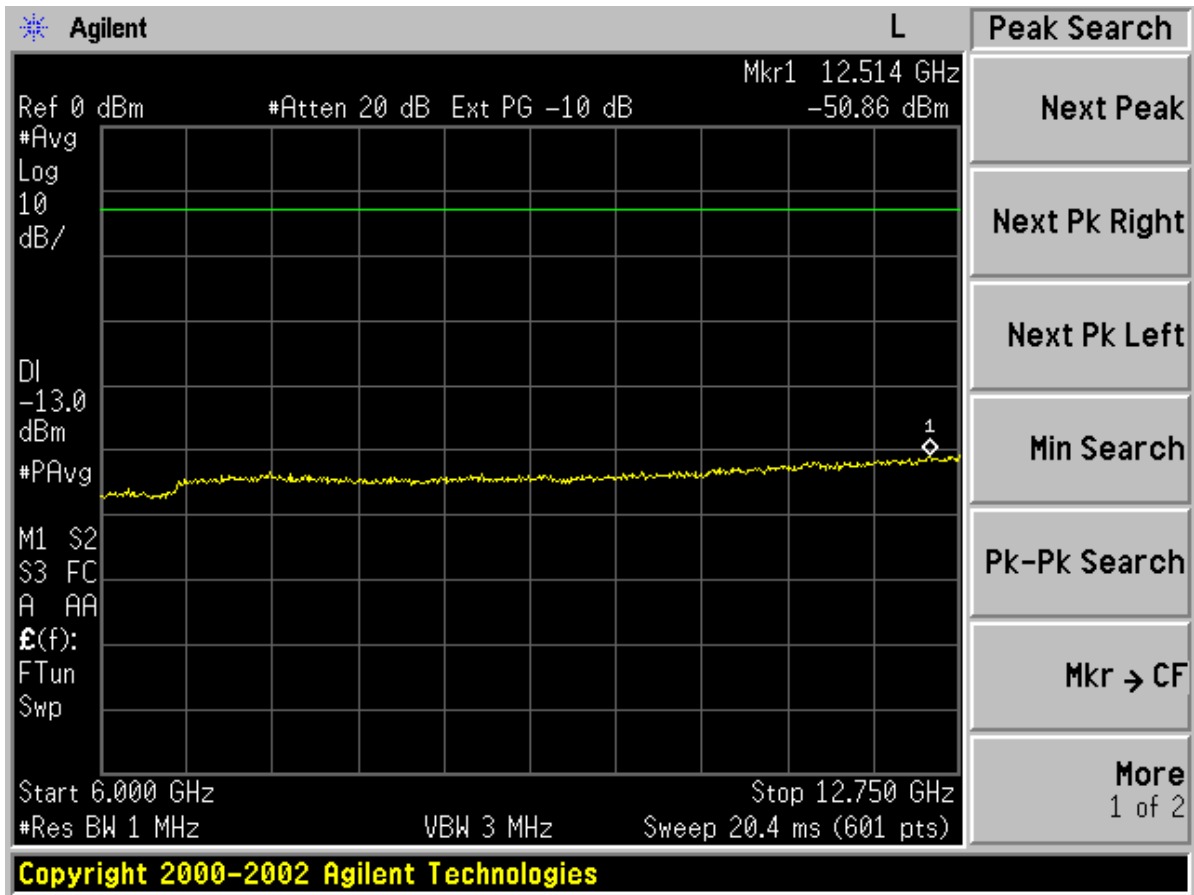




Channel 777



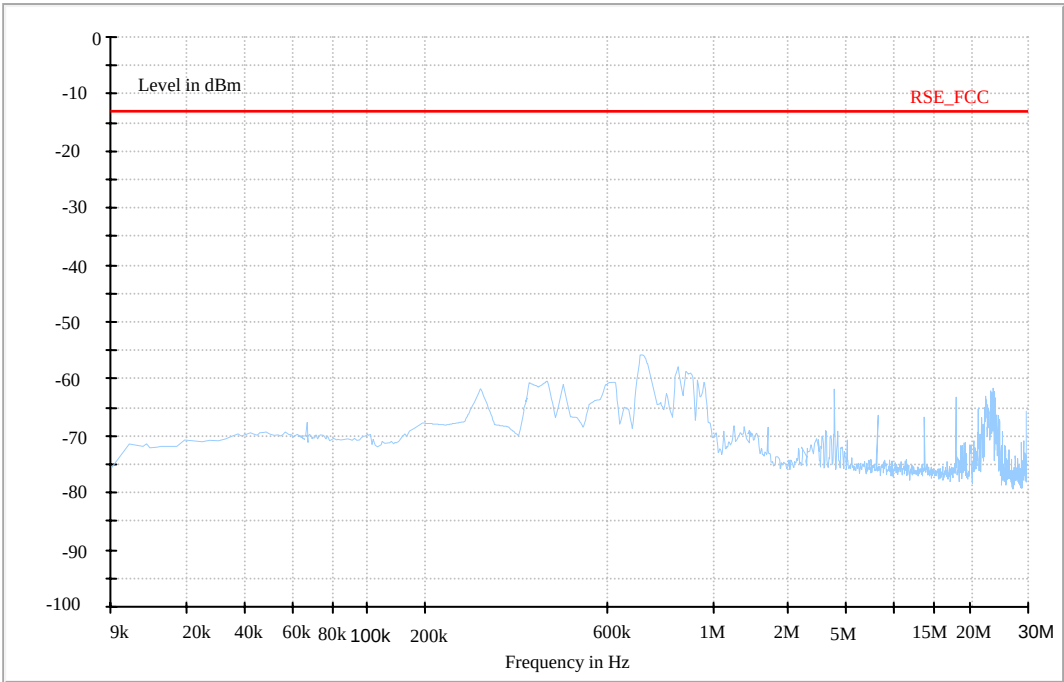




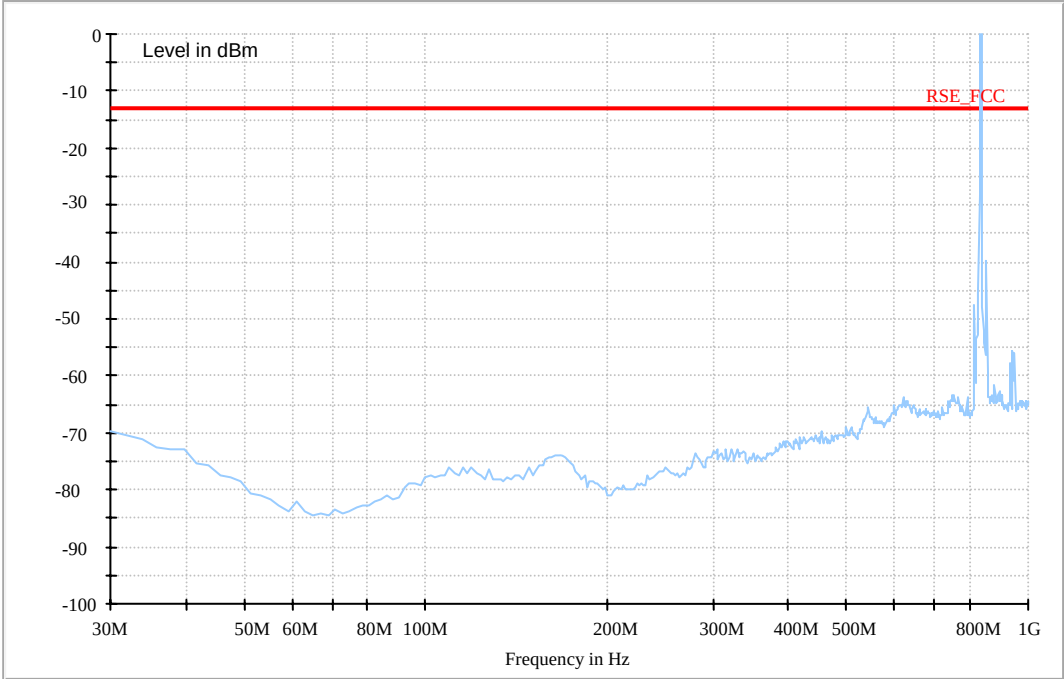
Appendix F

Radiated Spurious Emission According to FCC Part 2.1053 & 22.917

Traffic Mode (9kHz-30MHz)

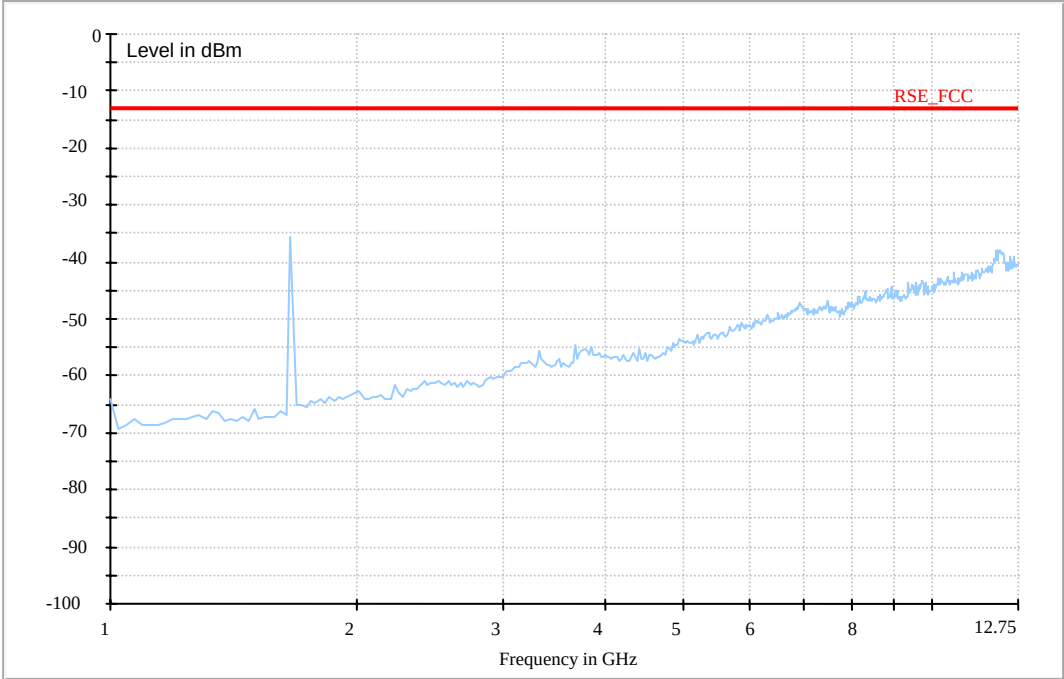


Traffic Mode (30MHz-1GHz)

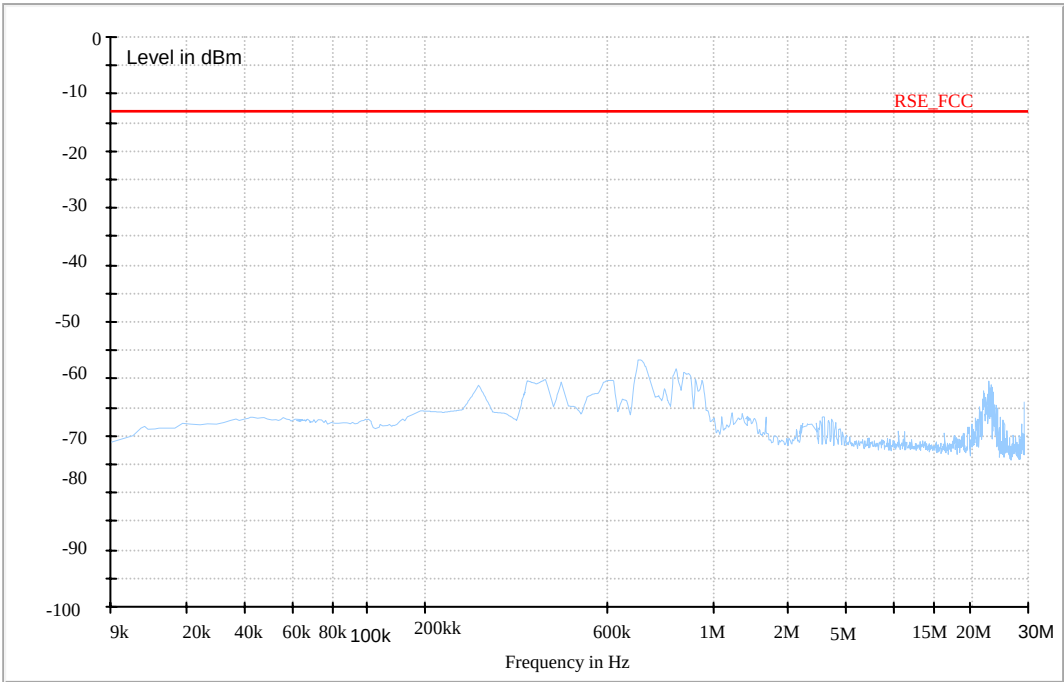


Note: The frequency which exceeded the limit was the carrier frequency.

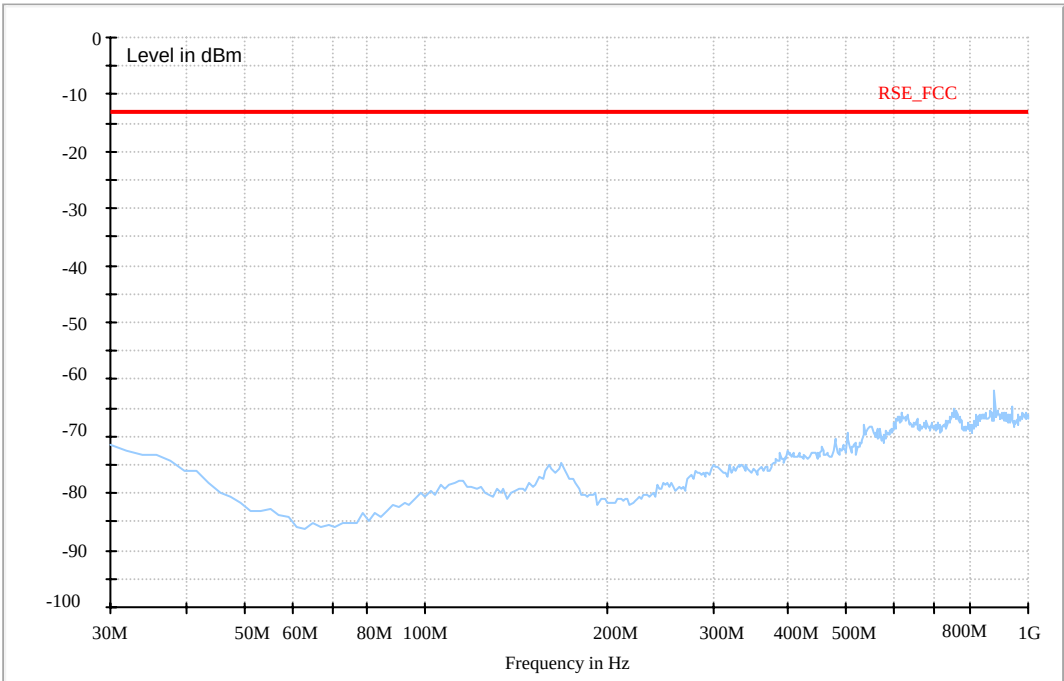
Traffic Mode (1GHz-12.75GHz)



Idle Mode (9 kHz-30MHz)

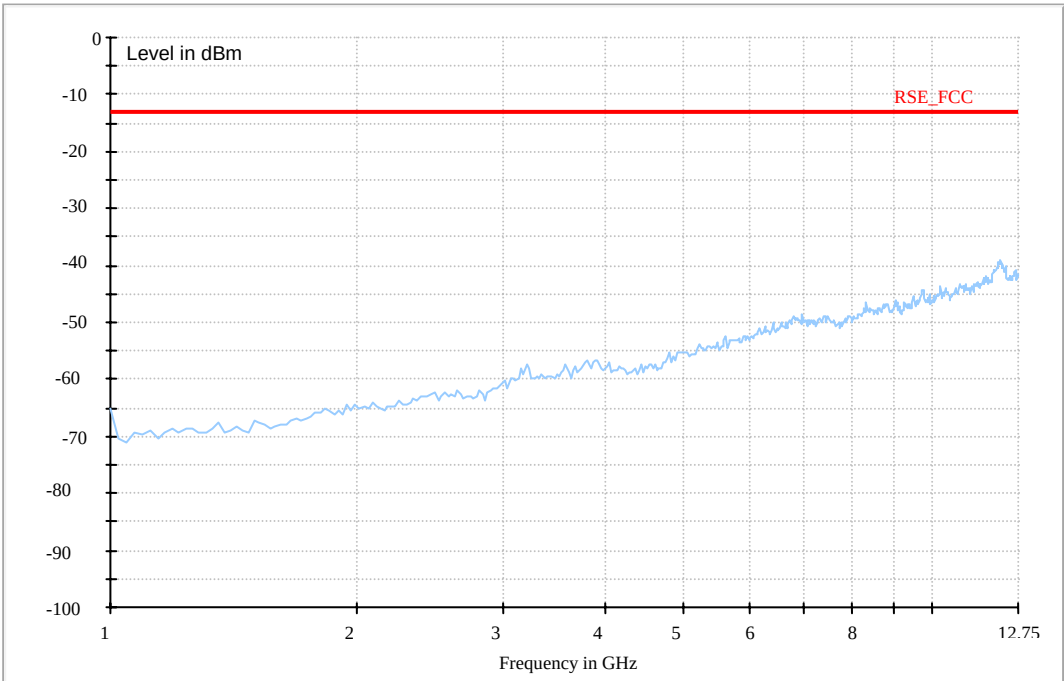


Idle Mode (30MHz-1GHz)



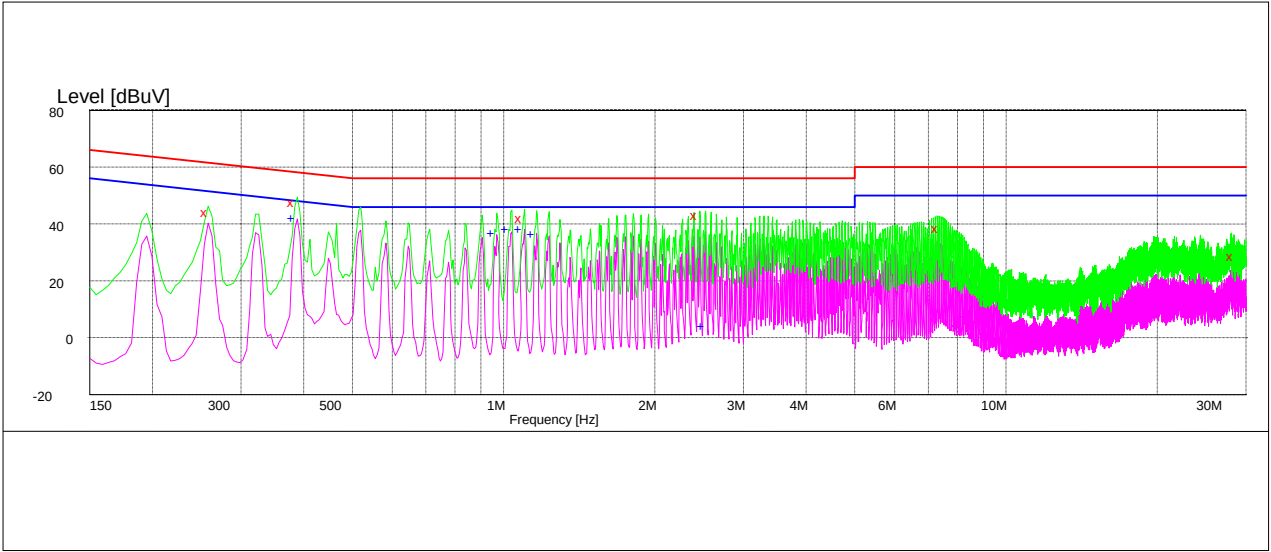


Idle Mode (1GHz-12.75GHz)



Appendix G

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
0.258000	44.60	1.1	62	16.9	L1	FLO
0.384000	48.40	0.8	58	9.8	L1	FLO
1.090500	42.60	0.6	56	13.4	L1	FLO
2.431500	43.70	0.5	56	12.3	L1	FLO
7.359000	39.00	0.8	60	21.0	L1	FLO
28.356000	29.30	3.5	60	30.7	L1	FLO

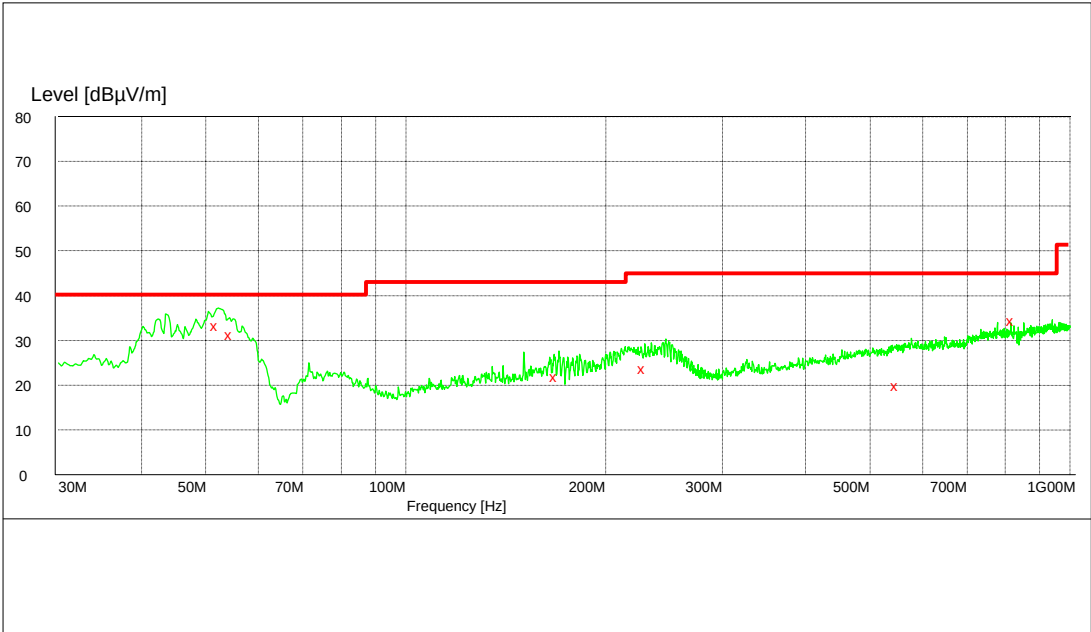
MEASUREMENT RESULT: "AV DECTER"

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.384000	42.80	0.8	48	5.3	L1	FLO
0.960000	37.30	0.5	46	8.7	L1	FLO
1.023000	38.80	0.5	46	7.2	L1	FLO
1.086000	38.90	0.6	46	7.1	L1	FLO
1.153500	36.90	0.6	46	9.1	L1	FLO
2.517000	4.70	0.5	46	41.3	L1	FLO

Appendix H

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
51.960000	33.50	-14.7	40.0	6.5	107.0	265.00	VERTICAL
54.600000	31.40	-15.5	40.0	8.6	100.0	244.00	VERTICAL
168.540000	22.20	-11.6	43.5	21.3	179.0	270.00	HORIZONTAL
228.660000	23.80	-10.8	46.0	22.2	144.0	270.00	HORIZONTAL
549.360000	20.10	-1.8	46.0	25.9	200.0	0.00	VERTICAL
820.000000	34.60	0.8	46.0	11.4	159.0	0.00	VERTICAL

Appendix I

Photos of Test Setup

1 Radiated Emission



Radiated Disturbance

2 Radiated Spurious Emission

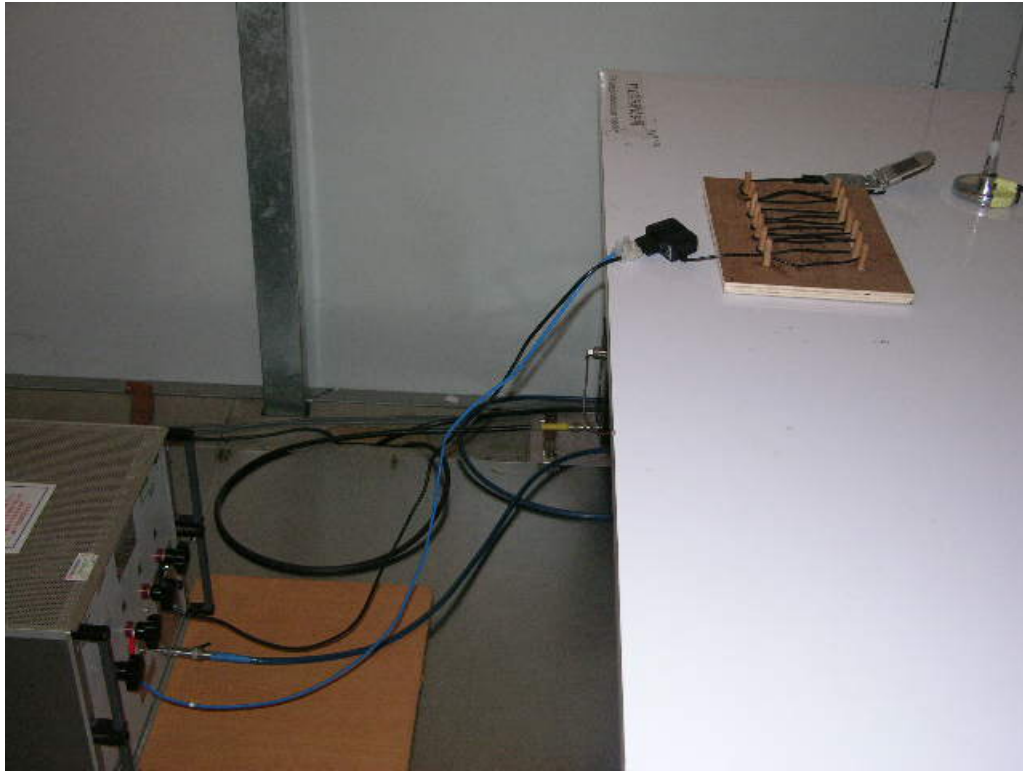


Radiated Spurious Emission (below 1GHz)



Radiated Spurious Emission (above 1GHz)

3 Conducted Emissions



Conducted Emissions for AC Ports