

Appendix A

Effective Radiated Power of Transmitter

According to FCC Part 2.1046 & 24.232

Channel 512

Measurement/Instrument Screen											
Control		GSM/GPRS Transmit Power						TCH Parms			
GSM/GPRS TX Power Setup ▾		GMSK Transmit Power 30.35 dBm Continuous						Downlink Traffic Power ▾			
								Traffic Band PCS			
								Traffic Channel 512			
								MS TX Level 0			
								Channel Mode Setup ▾			
								Return			
				Active Cell Connected		Sys Type: GSM					
1 of 2					IntRef	Offset					1 of 2

Channel 661

Measurement/Instrument Screen											
Control		GSM/GPRS Transmit Power						TCH Parms			
GSM/GPRS TX Power Setup ▾		GMSK Transmit Power 29.70 dBm Continuous						Downlink Traffic Power ▾			
								Traffic Band PCS			
								Traffic Channel 661			
								MS TX Level 0			
								Channel Mode Setup ▾			
								Return			
				Active Cell Connected		Sys Type: GSM					
1 of 2					IntRef	Offset					1 of 2

Channel 810

Measurement/Instrument Screen											
Control		GSM/GPRS Transmit Power						TCH Parms			
GSM/GPRS TX Power Setup ▾		GMSK Transmit Power 30.73 dBm Continuous						Dounlink Traffic Power ▾			
								Traffic Band PCS			
								Traffic Channel 810			
								MS TX Level 0			
								Channel Mode Setup ▾			
								Return			
				Active Cell Connected				Sys Type: GSM			
1 of 2					IntRef	Offset					1 of 2

Appendix B

Modulation Characteristics

According to FCC Part 2.1047& Part 24 Subpart E

Channel 512

Measurement/Instrument Screen											
Control		Phase & Frequency Error						TCH Parms			
Phase & Freq. Setup ▾		Peak Phase7.26° PassRMS Phase2.44° Pass Frequency39.37 Hz Pass Continuous						Downlink Traffic Power ▾			
Change View								Traffic Band			
								PCS			
								Traffic Channel			
								512			
								HS TX Level			
								0			
								Channel Mode Setup ▾			
								Return			
		Active Cell Connected				Sys Type: GSM					
1 of 2					IntRef	Offset					1 of 2

Channel 661

Measurement/Instrument Screen											
Control		Phase & Frequency Error						TCH Params			
Phase & Freq. Setup ▾		Peak Phase RMS Phase 5.62° Pass 1.91° Pass Frequency 40.69 Hz Pass Continuous						Downlink Traffic Power ▾			
Change View								Traffic Band			
								PCS			
								Traffic Channel			
								661			
								MS TX Level			
								0			
								Channel Mode Setup ▾			
								Return			
		Active Cell Connected				Sys Type: GSM					
1 of 2				IntRef		Offset				1 of 2	

Channel 810

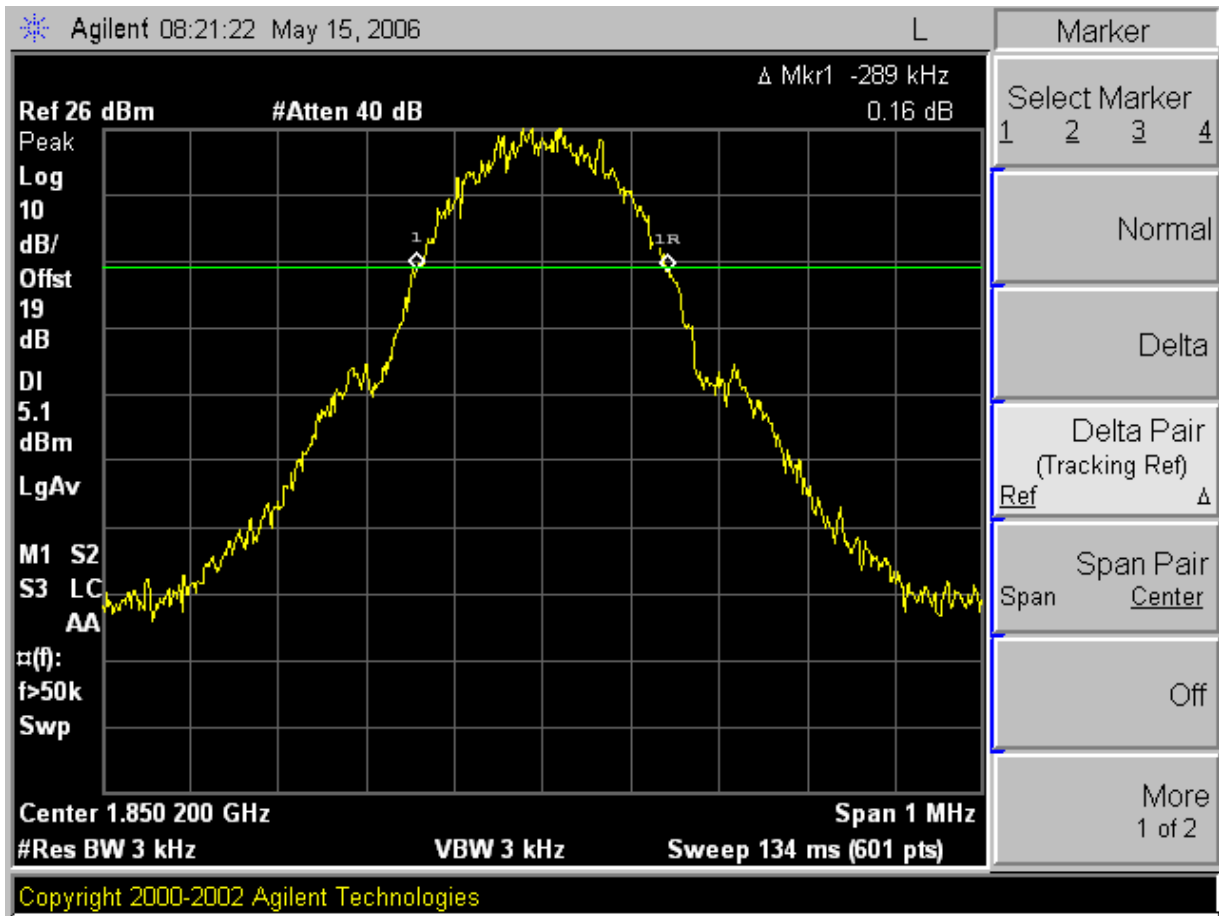
Measurement/Instrument Screen											
Control		Phase & Frequency Error						TCH Parms			
Phase & Freq. Setup ▾		Peak Phase5.38° PassRMS Phase1.93° Pass Frequency21.78 Hz Pass Continuous						Downlink Traffic Power ▾			
Change View								Traffic Band			
								PCS			
								Traffic Channel			
								810			
								MS TX Level			
								0			
								Channel Mode Setup ▾			
								Return			
1 of 2				Active Cell Connected		Sys Type: GSM					
				IntRef		Offset				1 of 2	

Appendix C

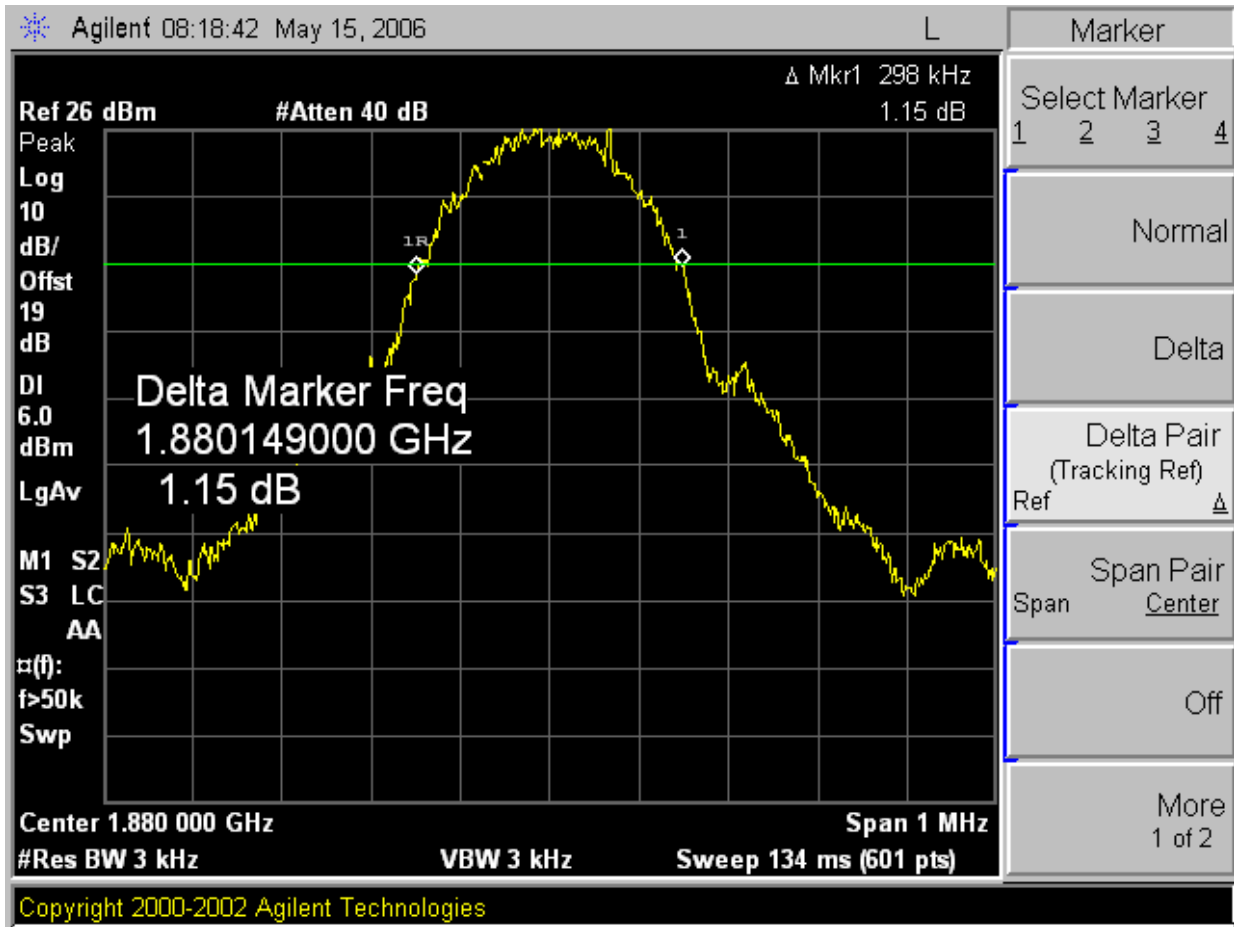
Occupied Bandwidth

According to FCC part 2.1049 & Part 24 Subpart E

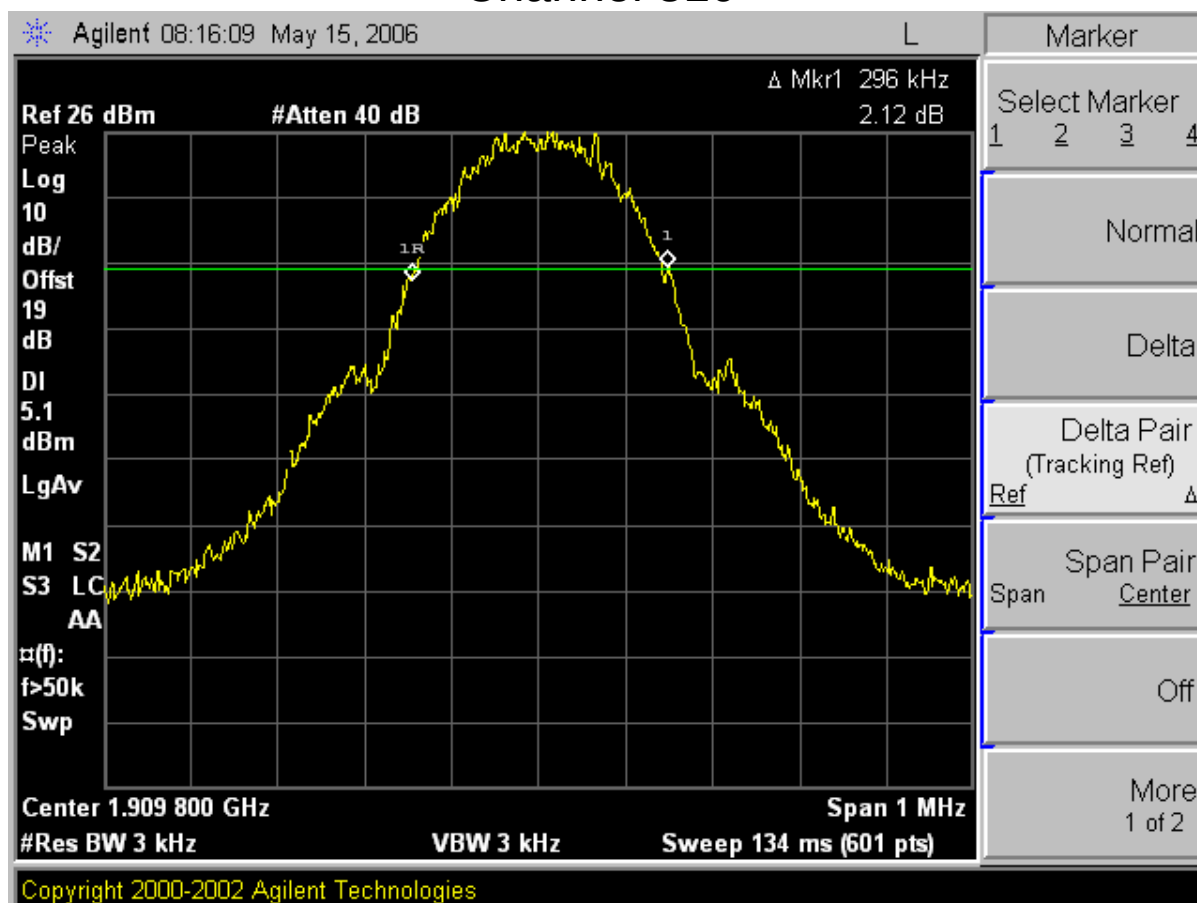
Channel 512



Channel 661



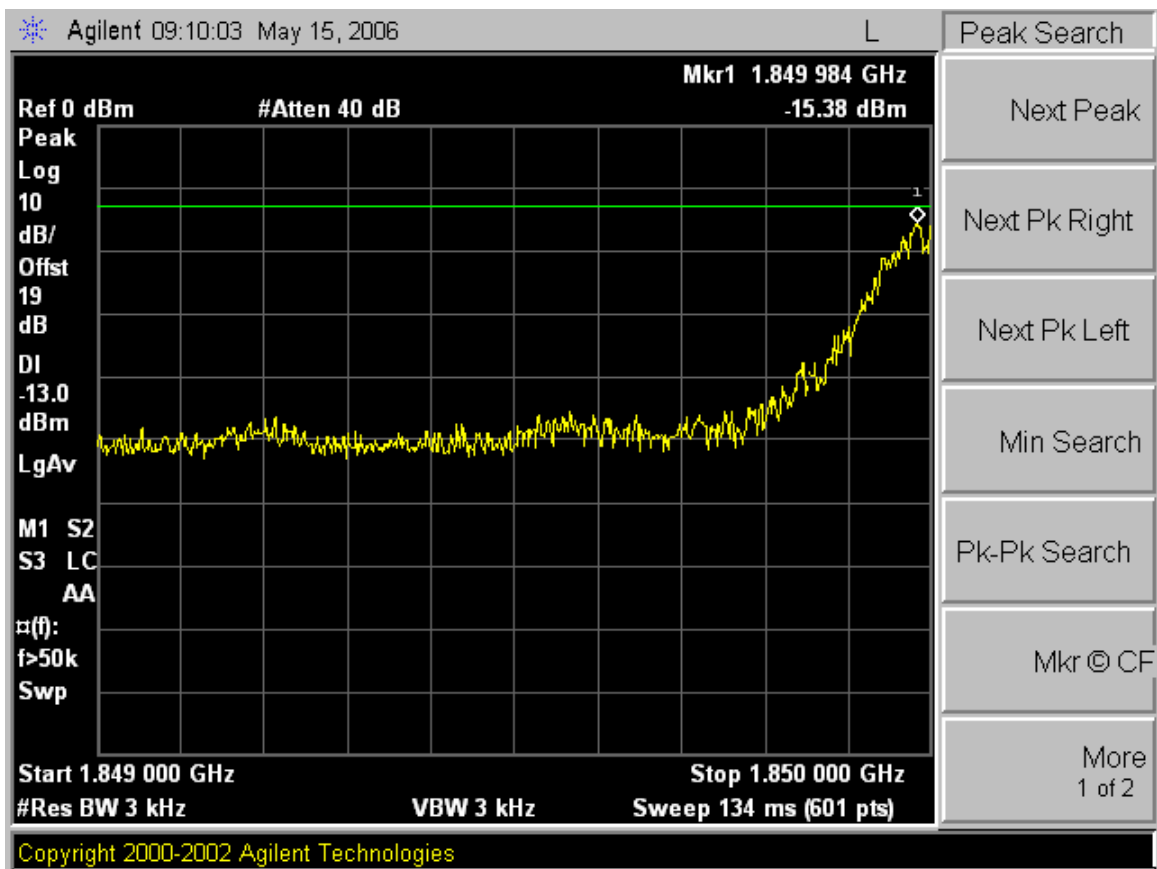
Channel 810



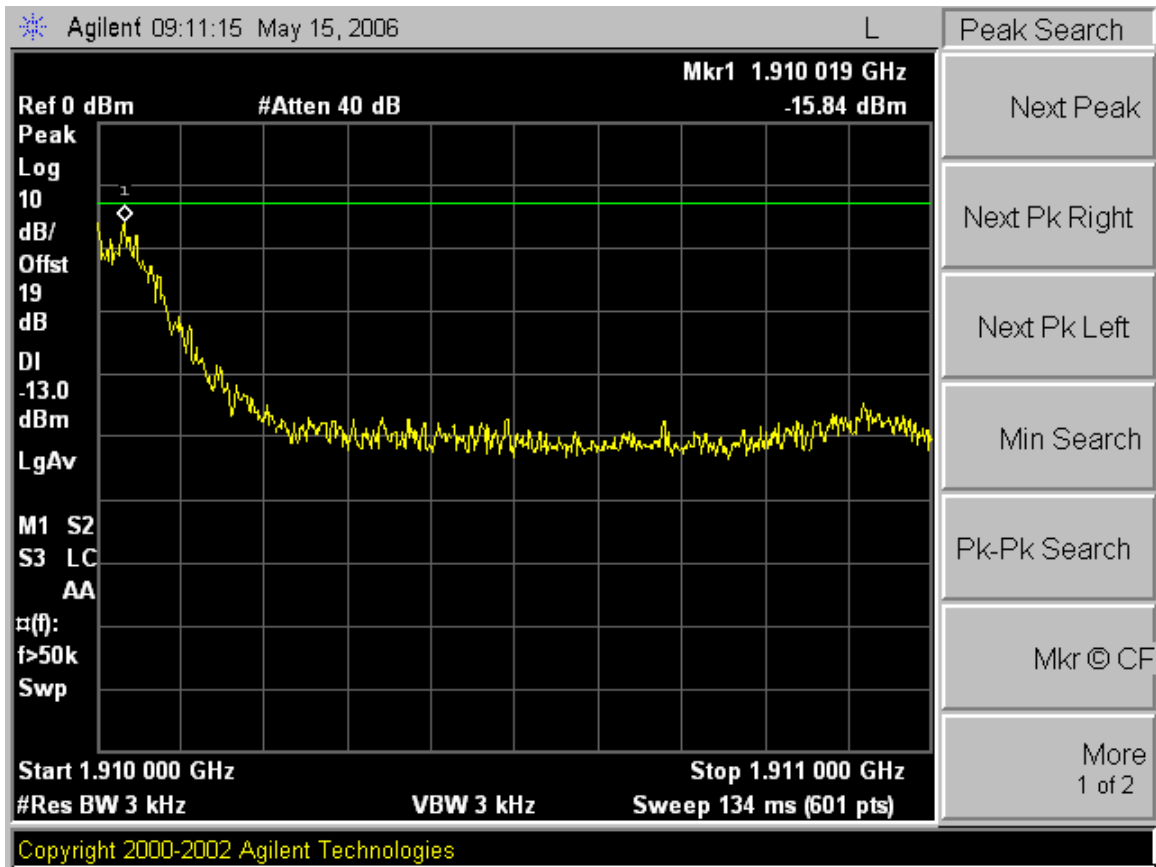
Appendix D

Band Edges Compliance According to FCC Part 2.1051 & 24.238

Channel 512



Channel 810

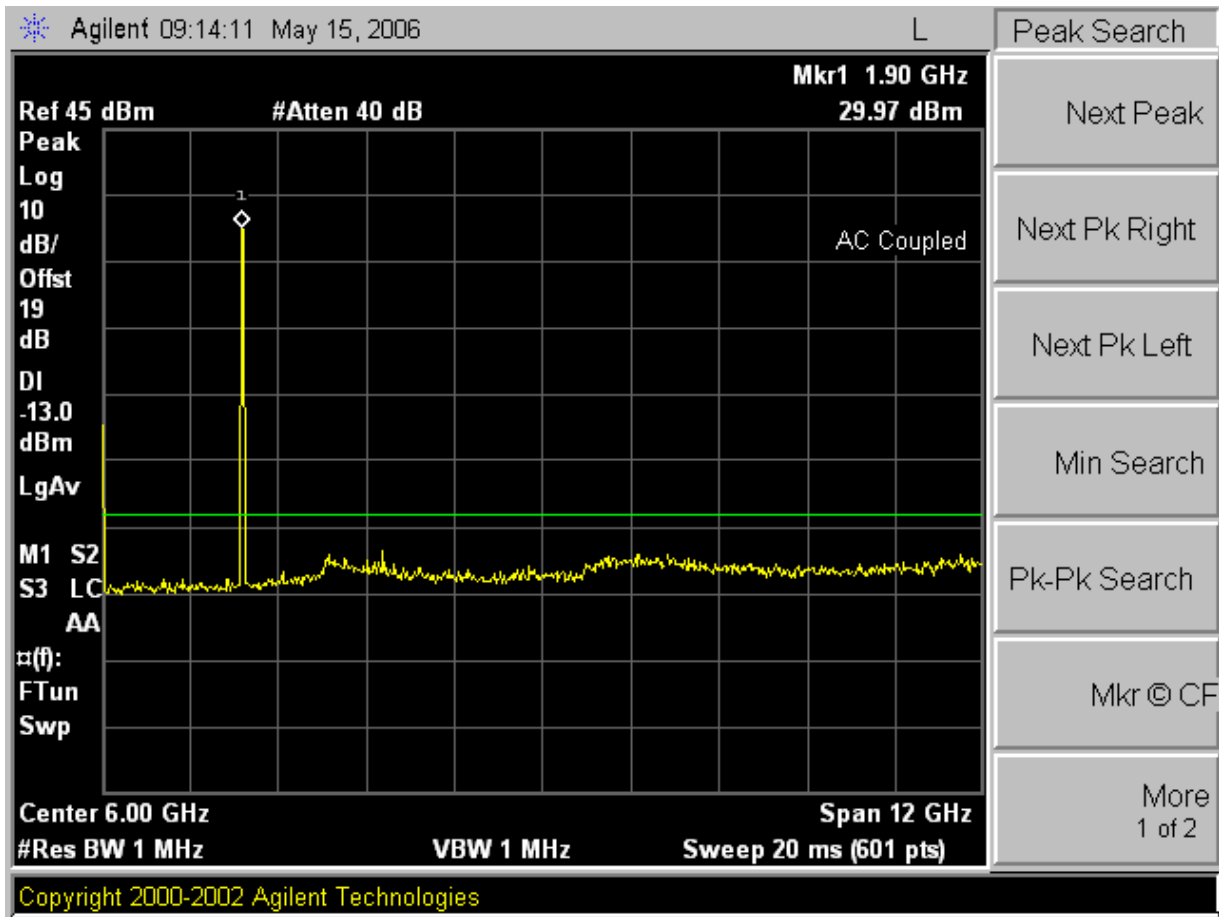


Appendix E

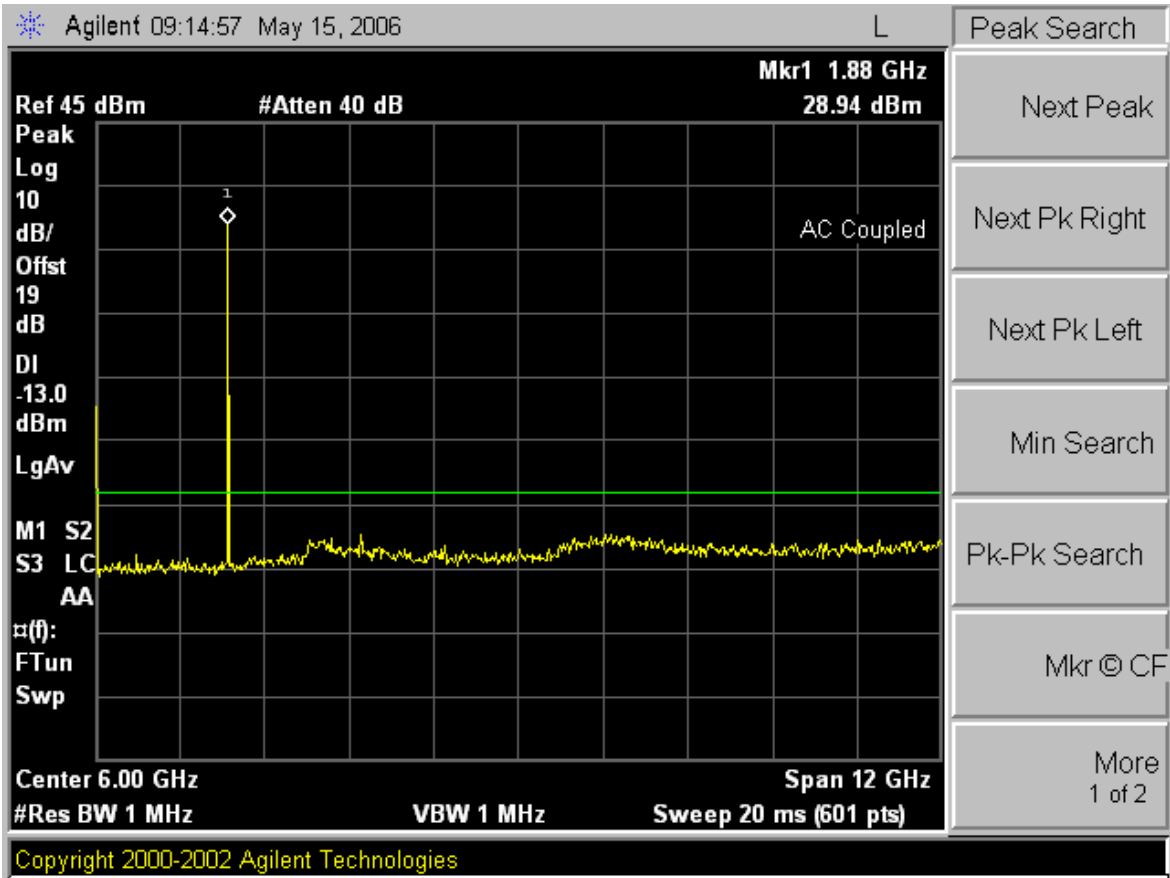
Spurious Emission at Antenna Terminal

According to FCC Part 2.1051 & 24.238

Channel 512



Channel 661



M1 S2

S3 LC

AA

⌘(f):

FTun

Swp

Center 6.00 GHz

Span 12 GHz

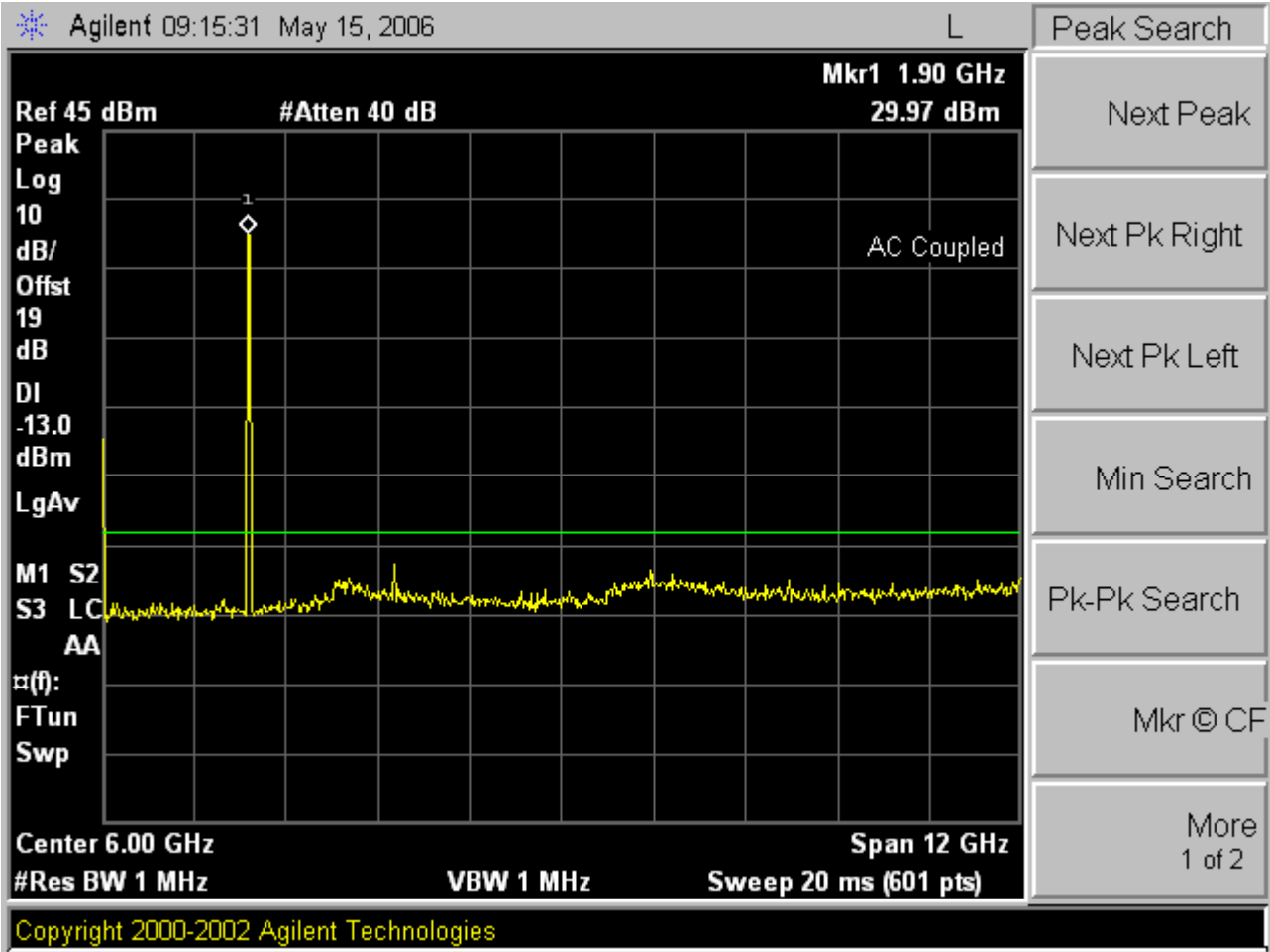
#Res BW 1 MHz

VBW 1 MHz

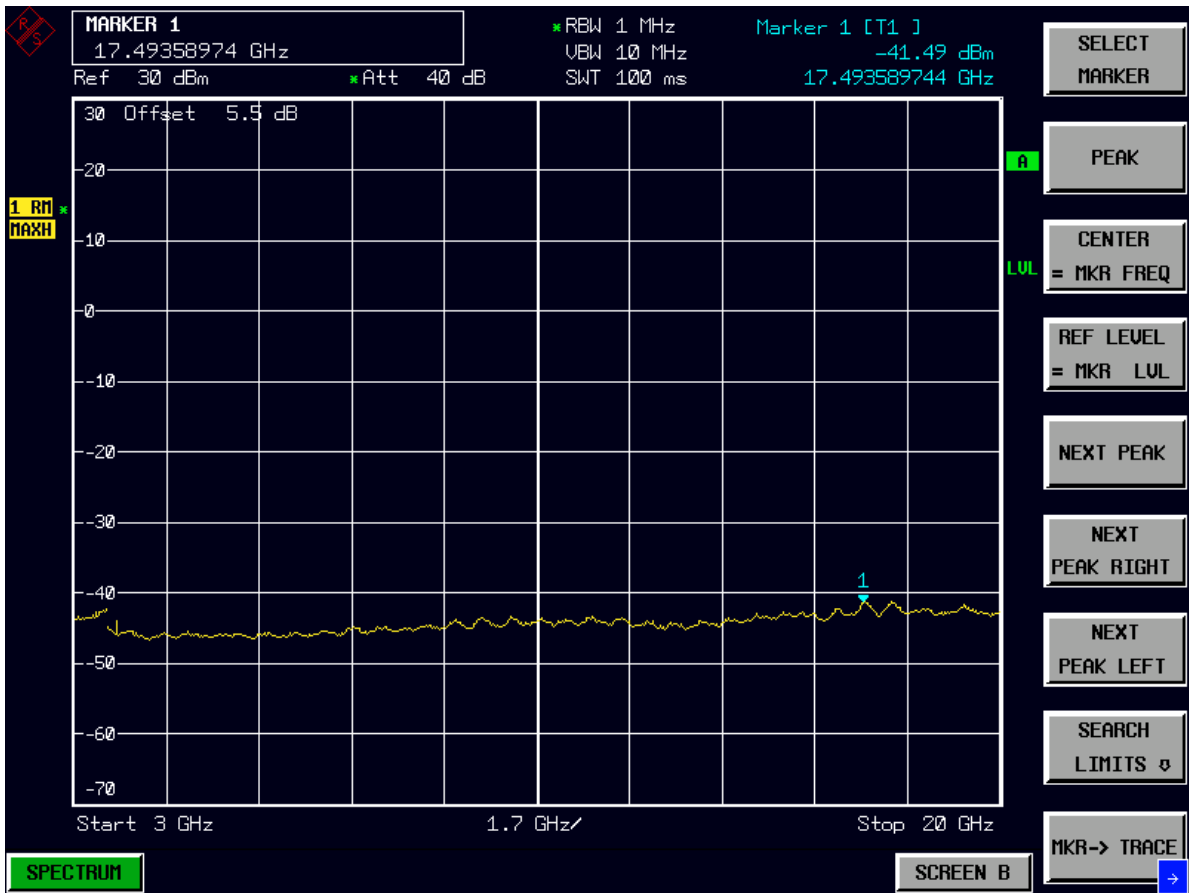
Sweep 20 ms (601 pts)

Copyright 2000-2002 Agilent Technologies

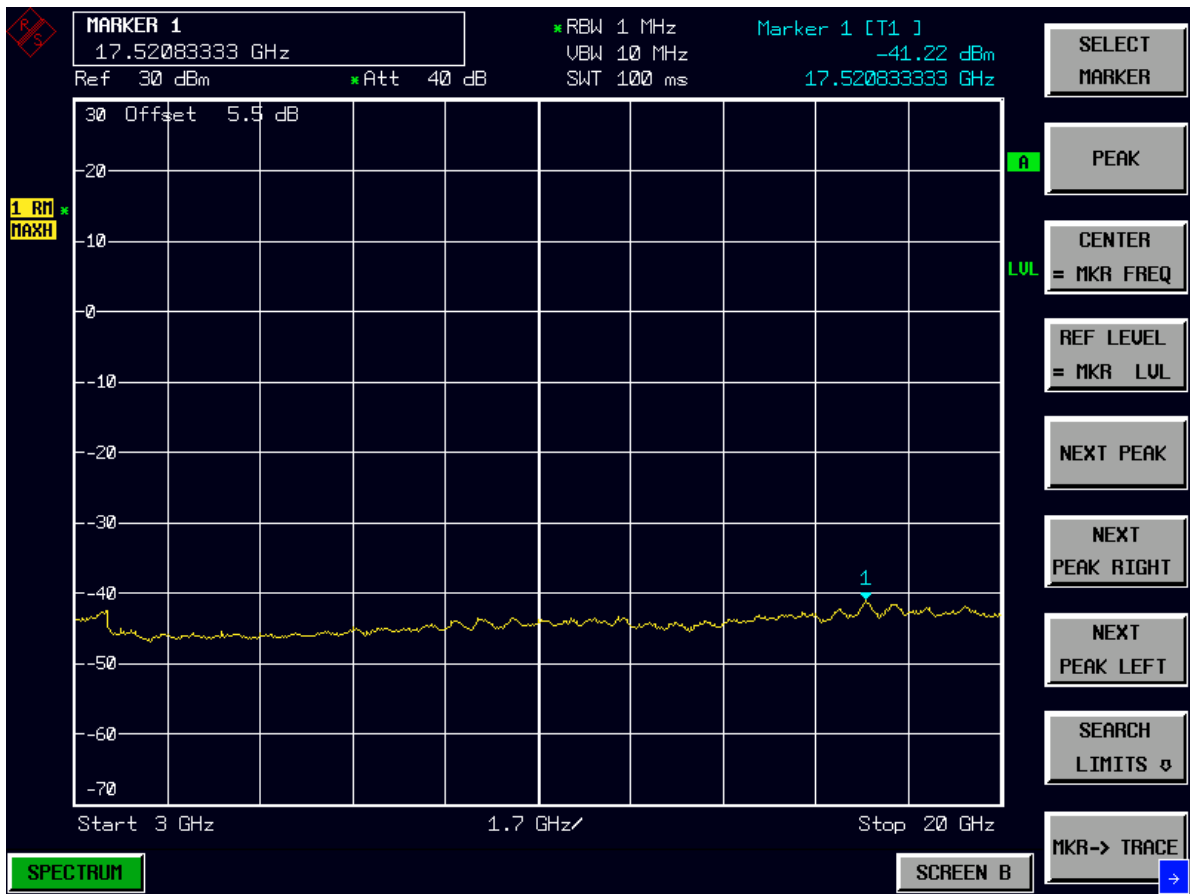
Channel 810



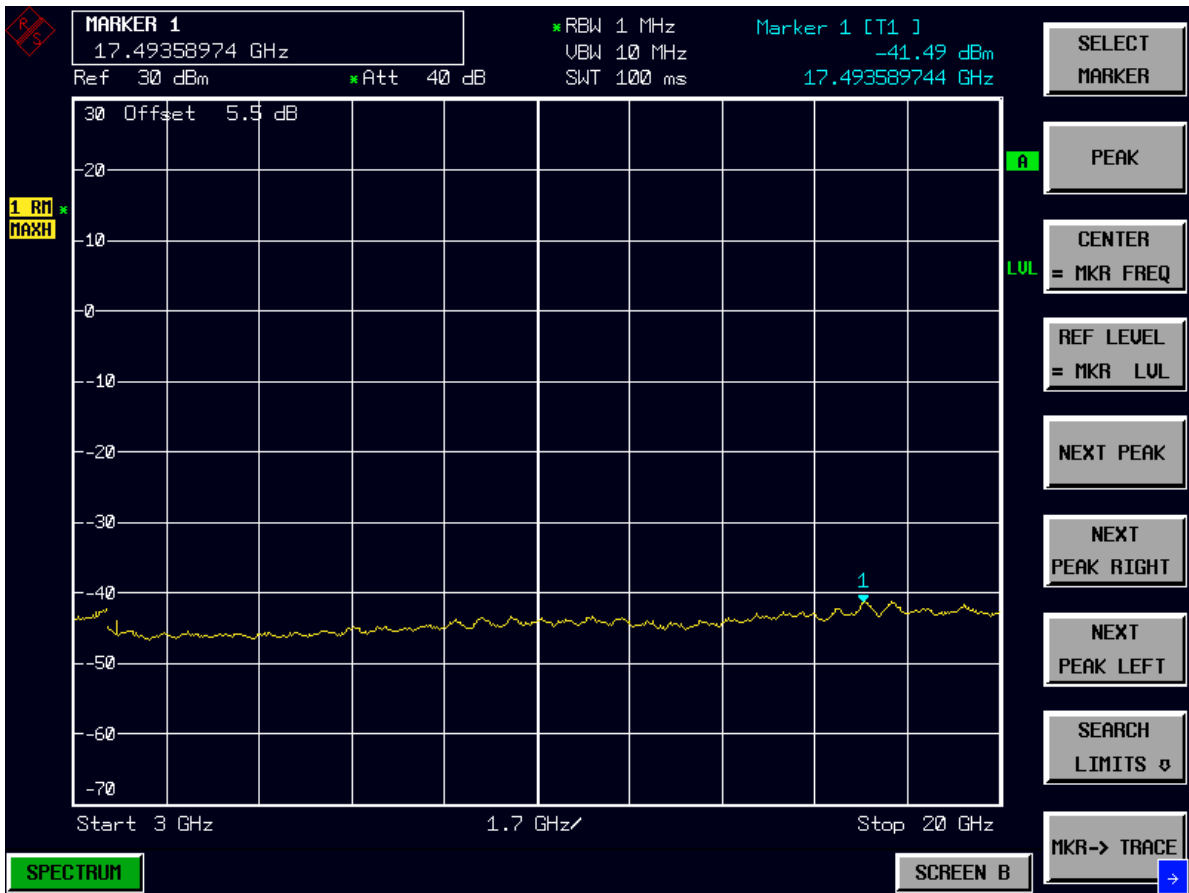
Channel 512



Channel 661



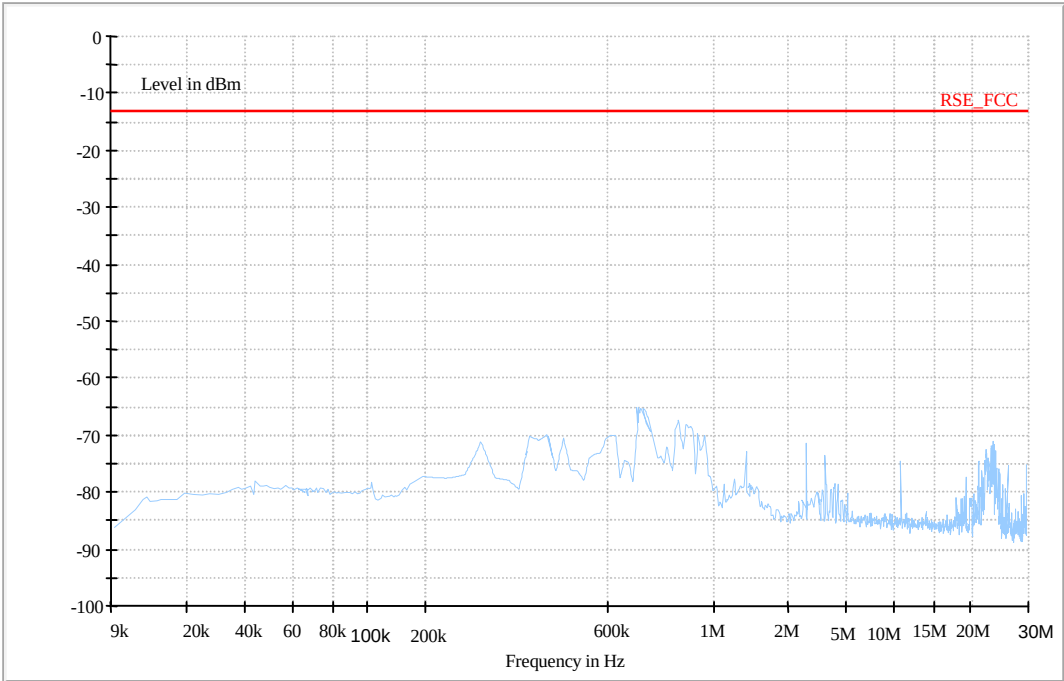
Channel 810



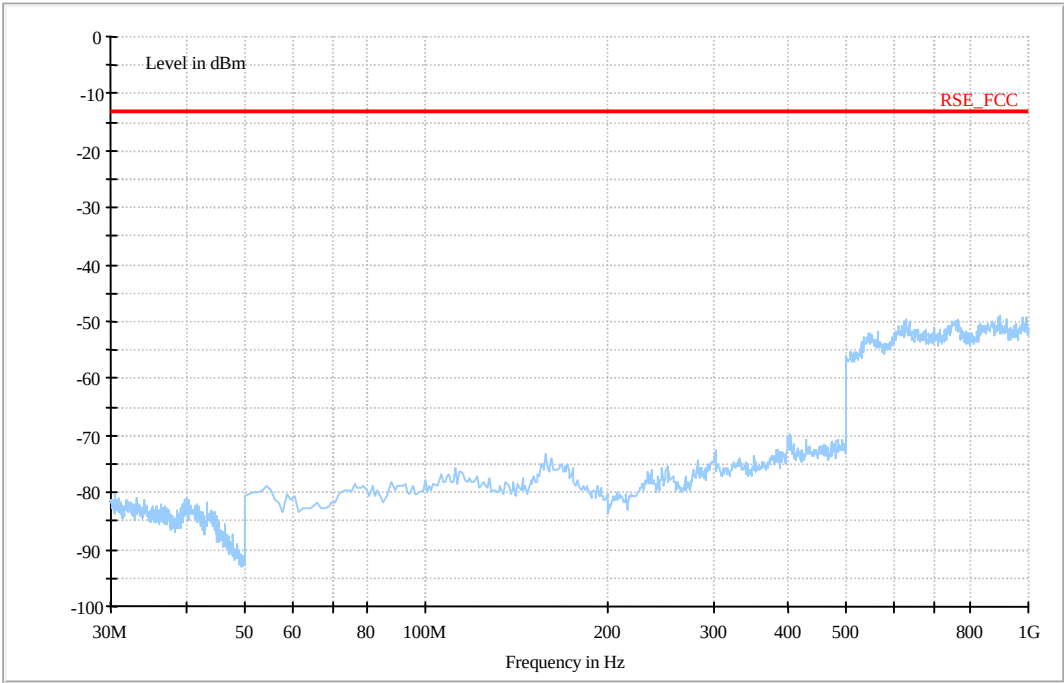
Appendix F

Radiated Spurious Emission According to FCC Part 2.1053 & 24.238

Traffic Mode (9kHz-30MHz)

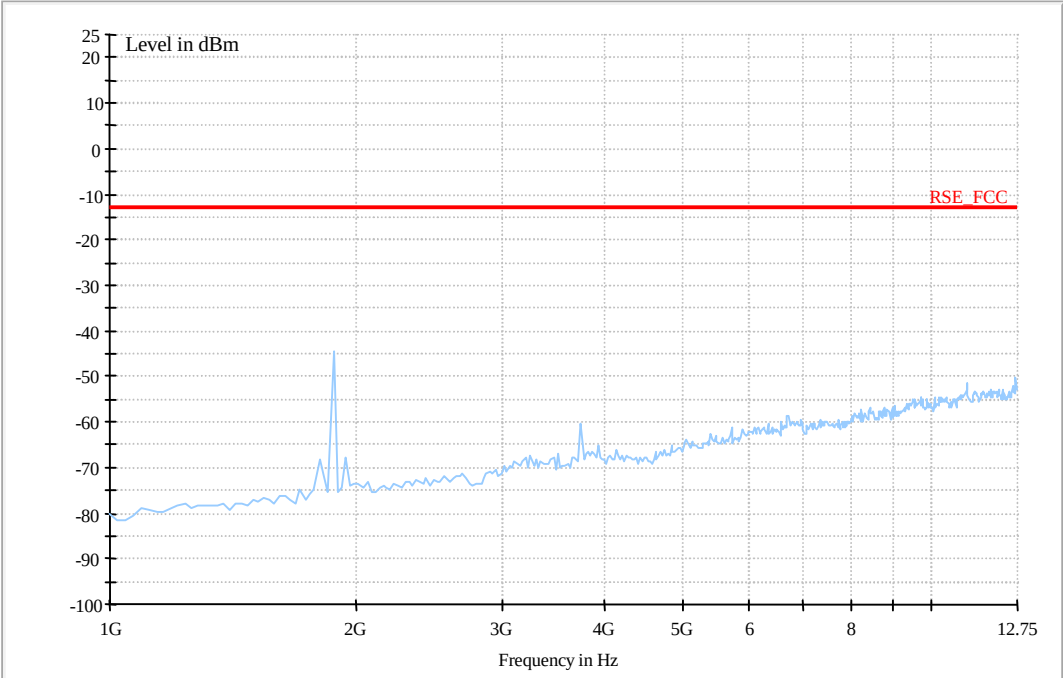


Traffic Mode (30MHz-1GHz)

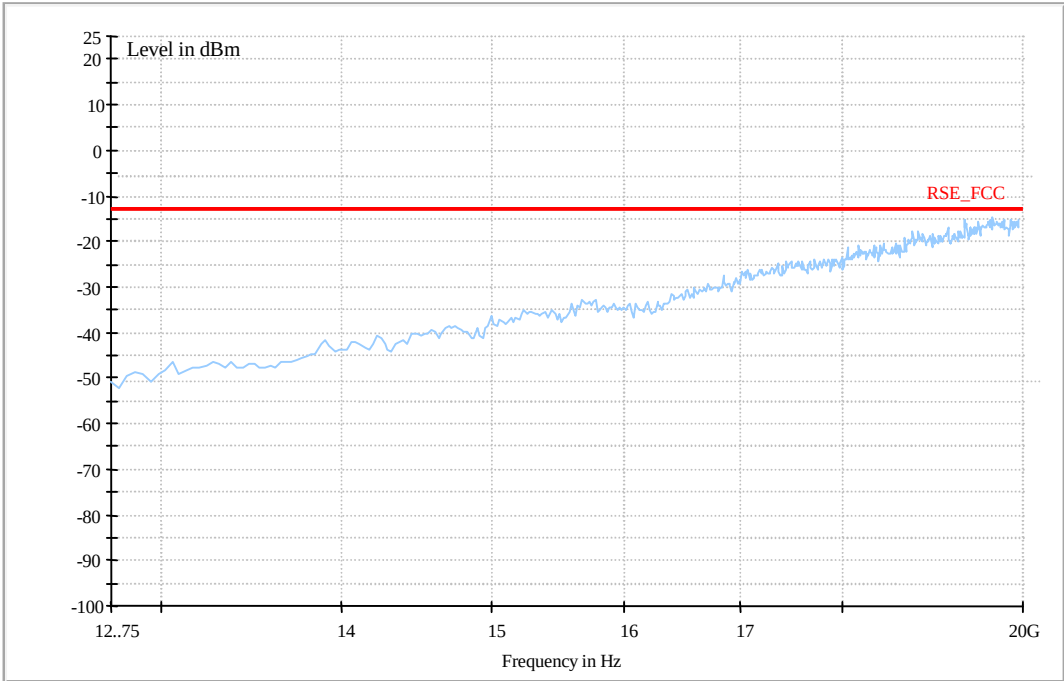


Traffic Mode (1GHz-12.75GHz)

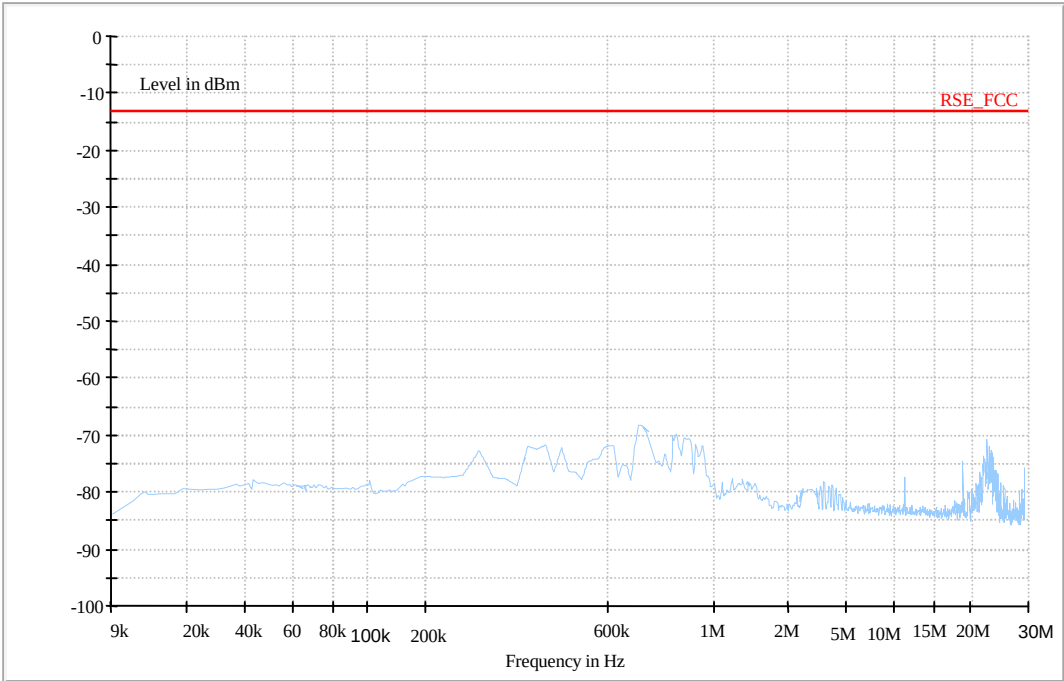
Note: The frequency which exceeded the limit was the carrier frequency.



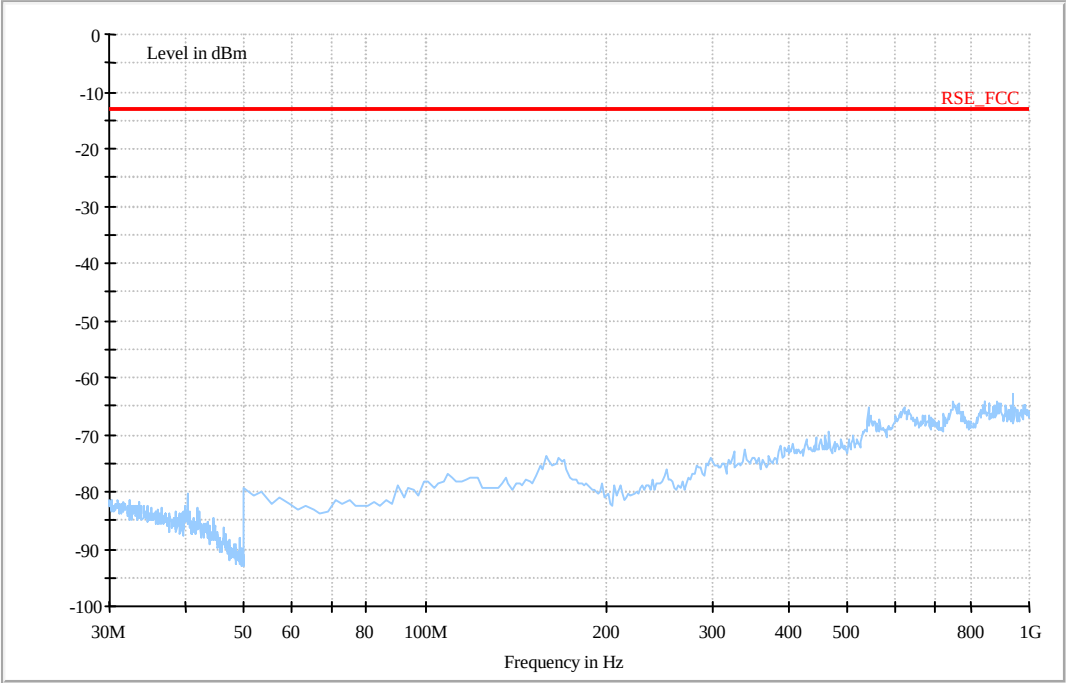
Traffic Mode (12GHz-20GHz)



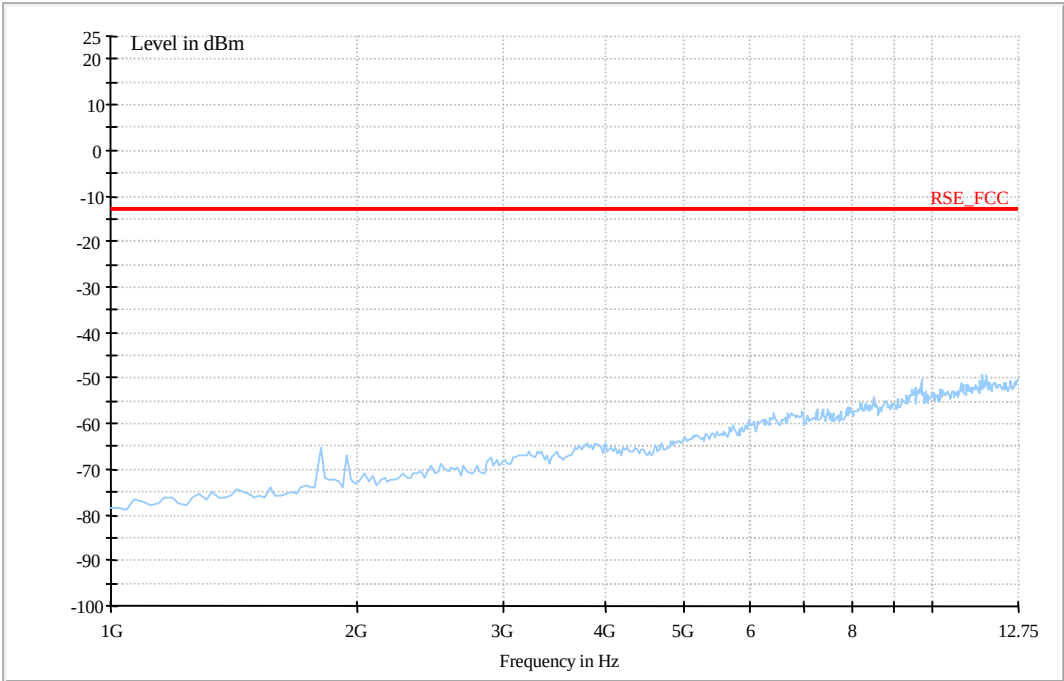
IDLE Mode (9 kHz-30MHz)



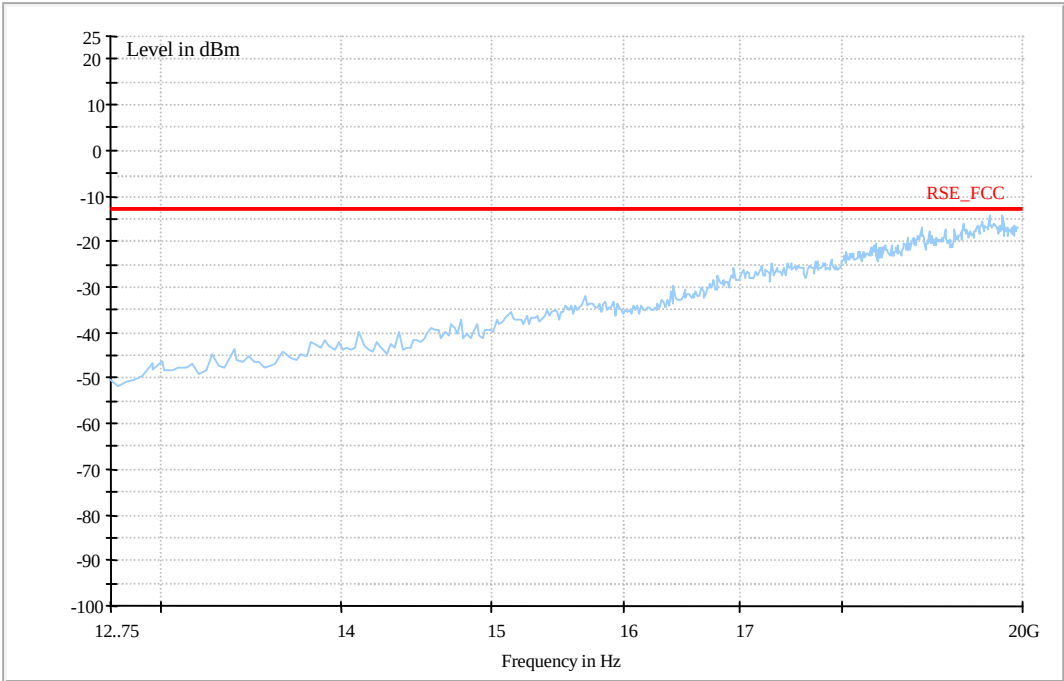
IDLE Mode (30MHz-1GHz)



IDLE Mode (1GHz-12.75GHz)



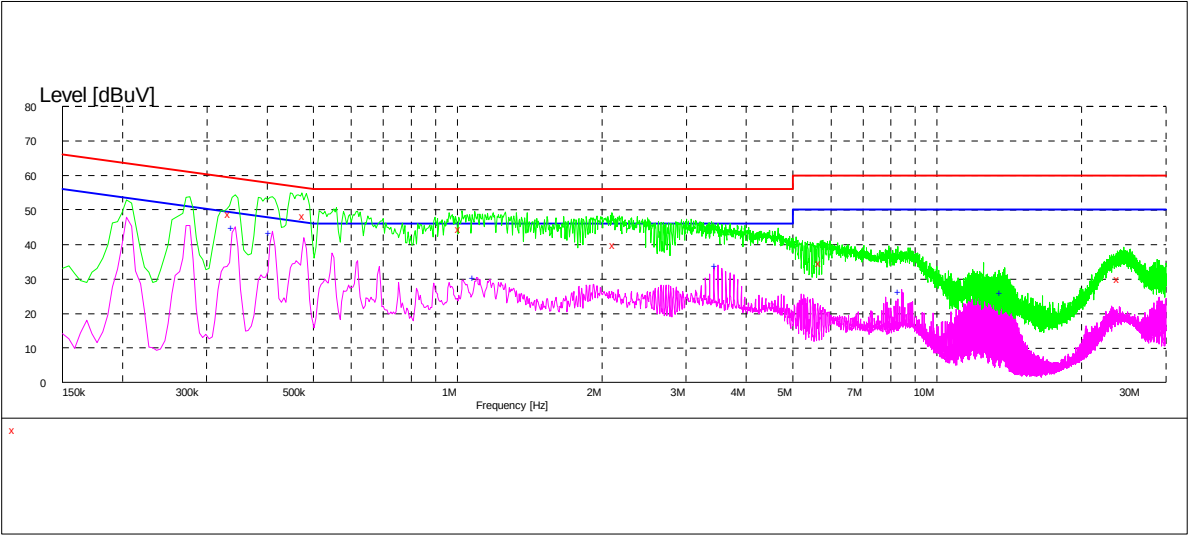
IDLE Mode (12GHz-20GHz)



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
0.339000	48.90	10.2	59	10.1	L3	FLOAT
0.483000	48.30	10.0	56	7.7	L3	FLOAT
1.023000	44.60	9.9	56	11.4	L3	FLOAT
2.148000	40.20	10.1	56	15.8	L3	FLOAT
5.779500	34.80	10.2	60	25.2	L3	FLOAT
24.247500	30.10	15.1	60	29.9	L3	FLOAT

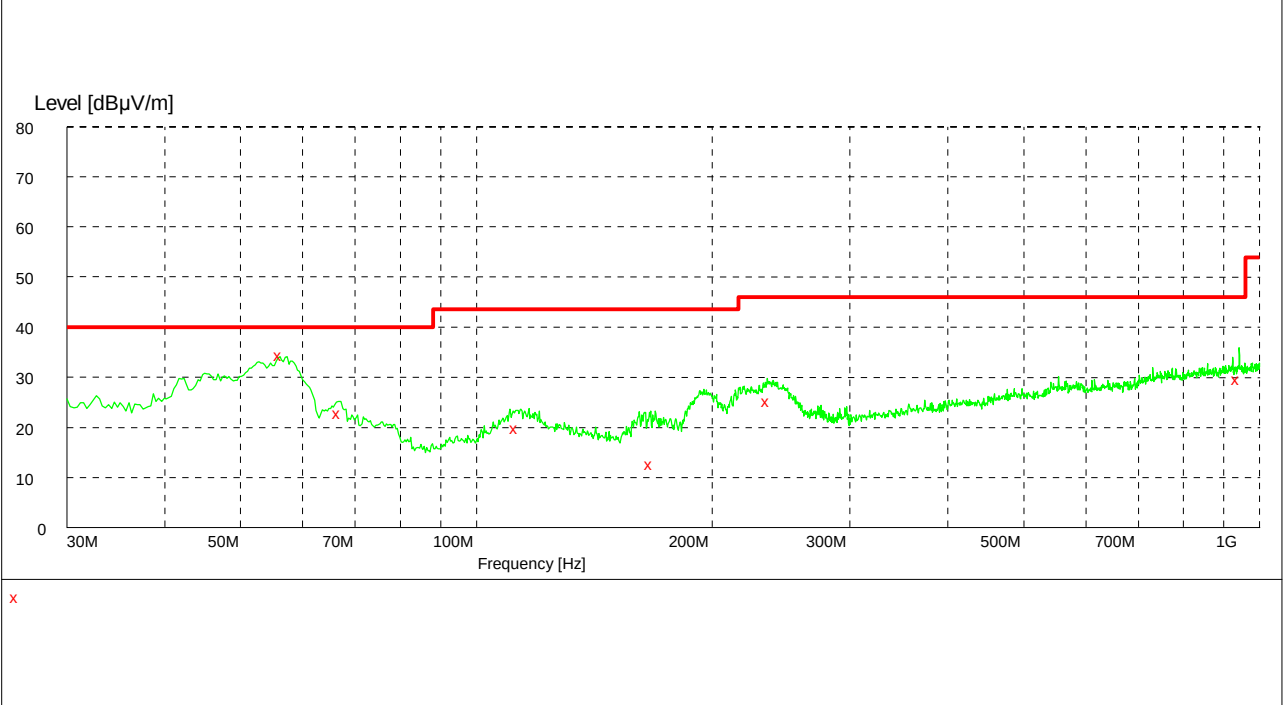
MEASUREMENT RESULT:AV DECTER

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.343500	45.00	10.2	49	4.0	L3	FLOAT
0.411000	43.50	10.1	48	4.5	L3	FLOAT
1.095000	30.30	10.0	46	15.7	L3	FLOAT
3.493500	34.00	10.1	46	12.0	L3	FLOAT
8.425500	26.50	10.5	50	23.5	L3	FLOAT
13.767000	26.20	11.4	50	23.8	L3	FLOAT

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
56.400000	34.60	-18.4	40.0	5.4	100.0	302.00	VERTICAL
66.960000	23.00	-19.1	40.0	17.0	100.0	53.00	VERTICAL
112.980000	20.10	-12.2	43.5	23.4	154.0	264.00	HORIZONTAL
167.460000	12.90	-13.8	43.5	30.6	100.0	155.00	VERTICAL
236.520000	25.60	-11.9	46.0	20.4	100.0	78.00	VERTICAL
941.280000	29.70	0.4	46.0	16.3	100.0	0.00	VERTICAL

Appendix I

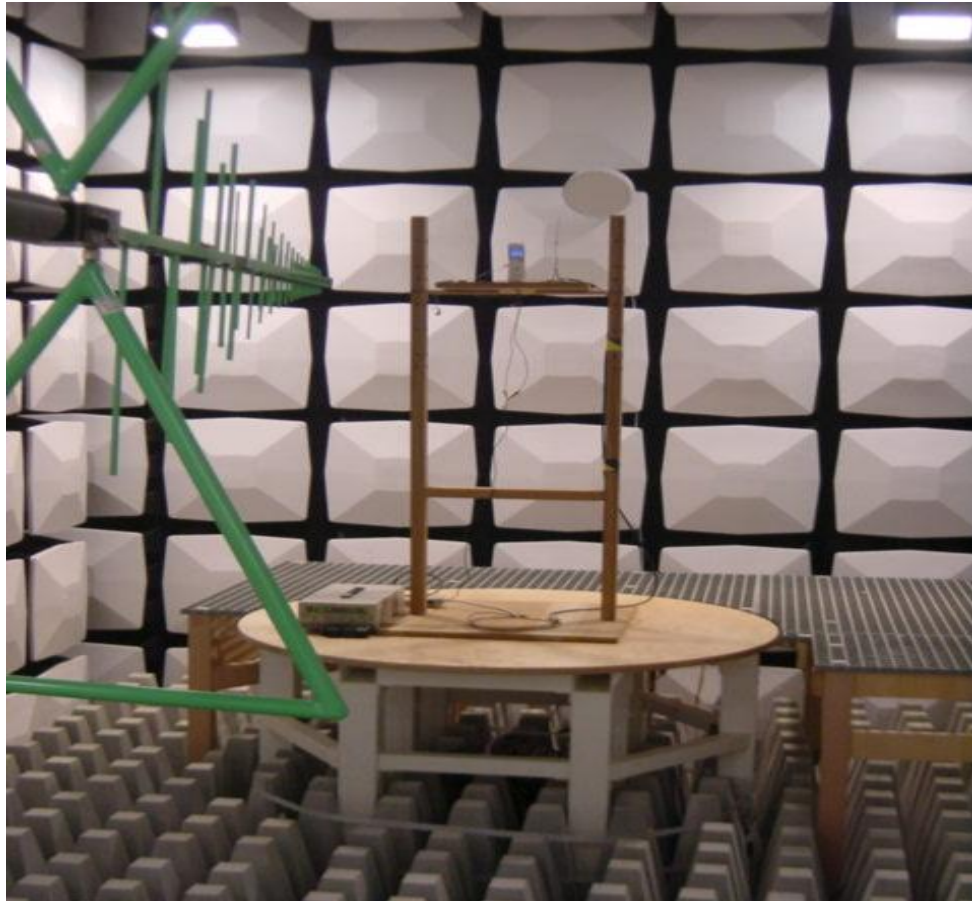
Photos of Test Setup

1 Radiated Emissions



Radiated Disturbance

2 Radiated Spurious Emissions



Radiated Spurious Emission (below 1GHz)



Radiated Spurious Emission (above 1GHz)

3 Conducted Emissions



Conducted Emissions for AC Ports