

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 Params			
GSM/GPRS TX Power Setup ▾		GMSK Transmit Power 29.23 dBm Continuous						Downlink Traffic Power ▾			
								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		GSM/GPRS Transmit Power						TCH Params			
GSM/GPRS TX Power Setup ▾		GMSK Transmit Power 29.34 dBm Continuous						Downlink Traffic Power ▾			
								Traffic Band PCS			
								Traffic Channel 661			
								HS 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 29.41 dBm Continuous							Downlink 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 Params		
Phase & Freq. Setup ▾		Peak Phase RMS Phase						Downlink Traffic Power ▾		
		7.23° Pass 2.56° Pass						Traffic Band		
Change View		Frequency						PCS		
		4.20 Hz Pass						Traffic Channel		
		Continuous						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		Phase & Frequency Error							TCH Parms	
Phase & Freq. Setup ▾		Peak Phase7.59° PassRMS Phase2.23° Pass Frequency-12.26 Hz Pass Continuous							Downlink Traffic Pouer ▾	
Change View									Traffic Band	
									PCS	
									Traffic Channel	
									661	
									HS TX Level	
									0	
									Channel Mode Setup ▾	
									Return	
				Active Cell Connected			Sys Type: GSM			
1 of 2					IntRef	Offset				1 of 2

Channel 810



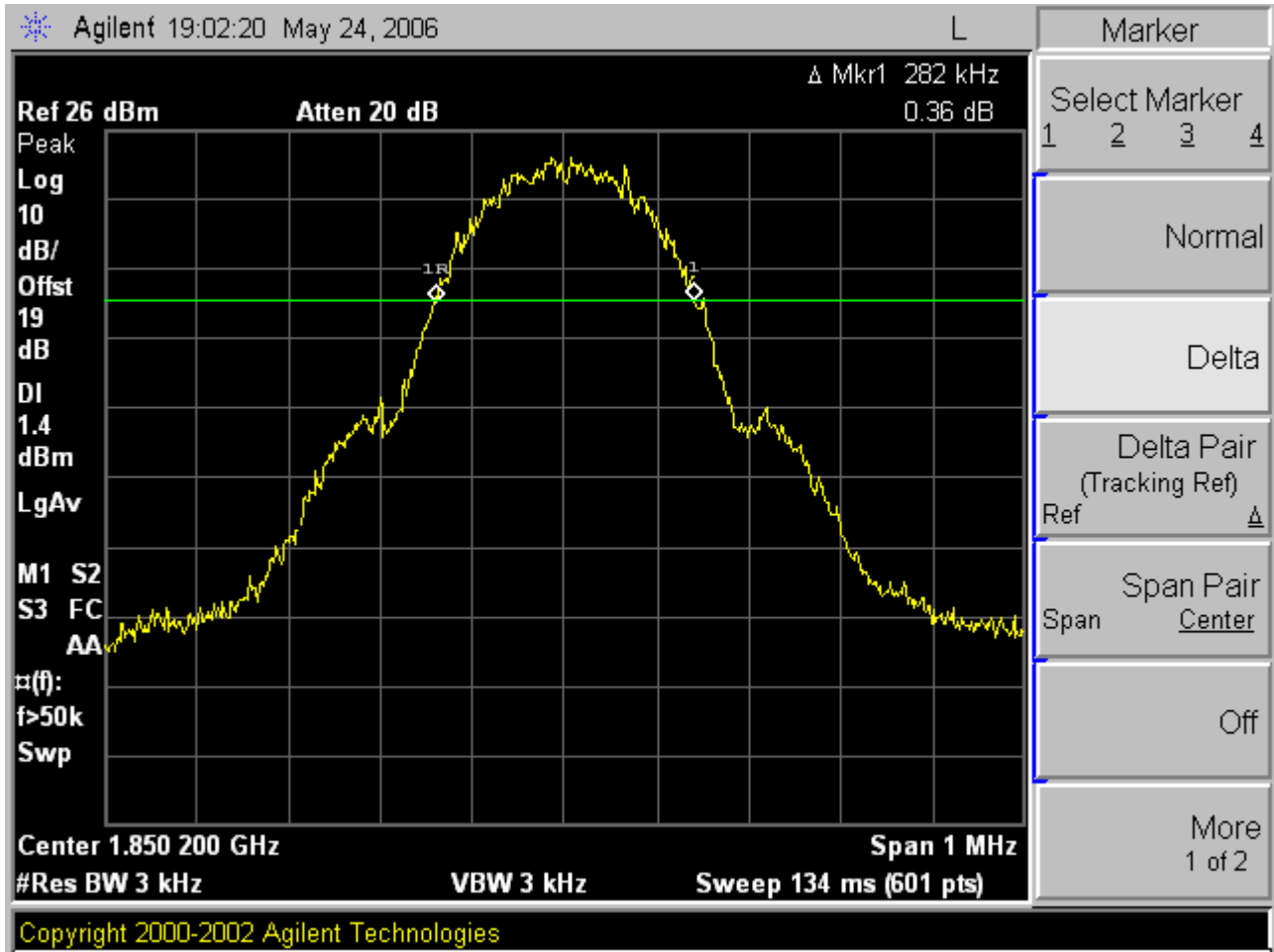
Measurement/Instrument Screen													
Control		Phase & Frequency Error								TCH Parms			
Phase & Freq. Setup ▾		Peak Phase6.54° PassRMS Phase2.40° Pass Frequency-20.86Hz Pass Continuous								Downlink Traffic Power ▾			
Change View										Traffic Band PCS			
										Traffic Channel 810			
										MS TX Level 0			
1 of 2										Channel Mode Setup ▾			
										Return			
										Active Cell Connected		Sys Type: GSM	
										IntRef		Offset	
										1 of 2			

Appendix C

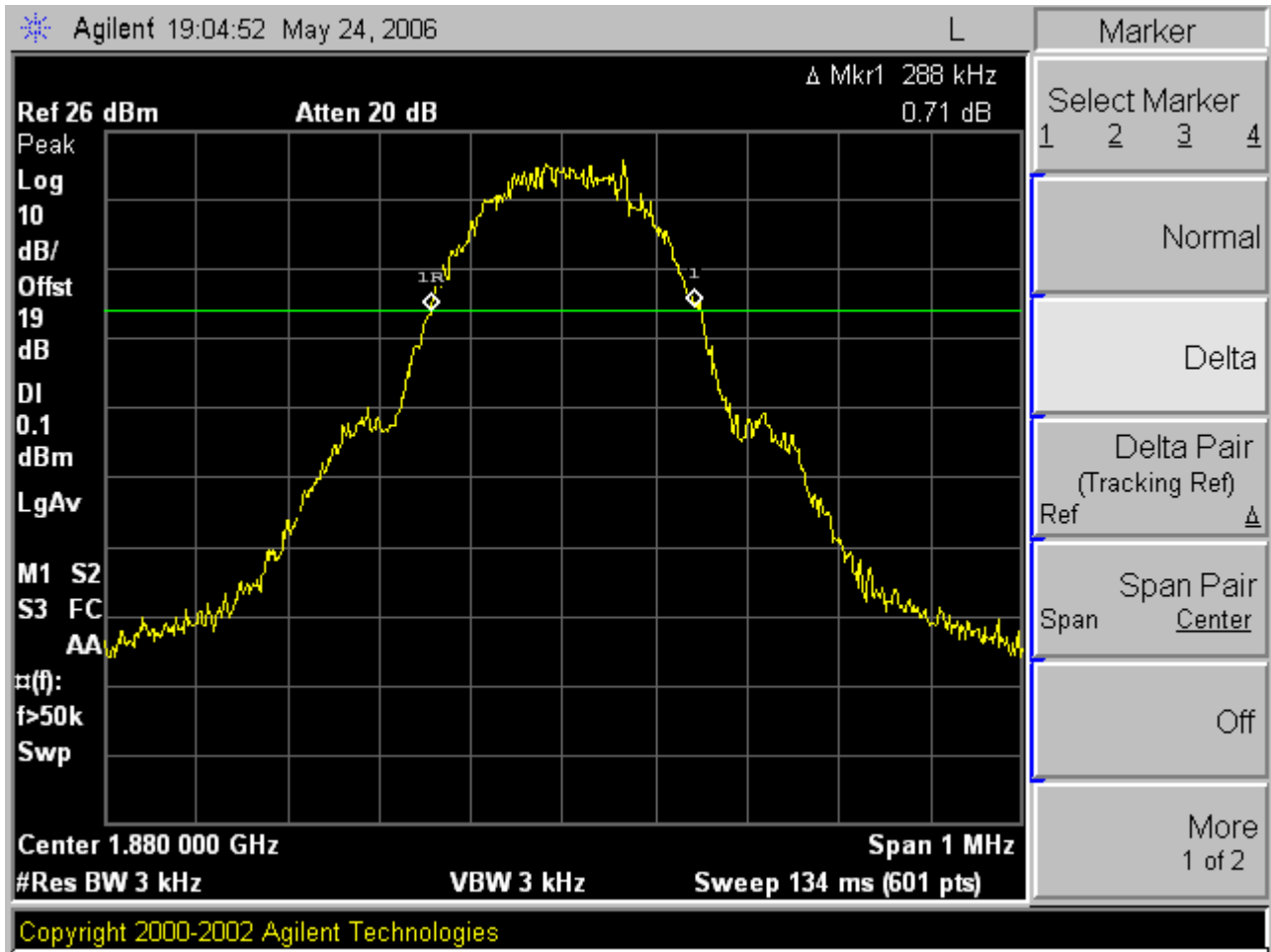
Occupied Bandwidth

According to FCC part 2.1049 & Part 24 Subpart E

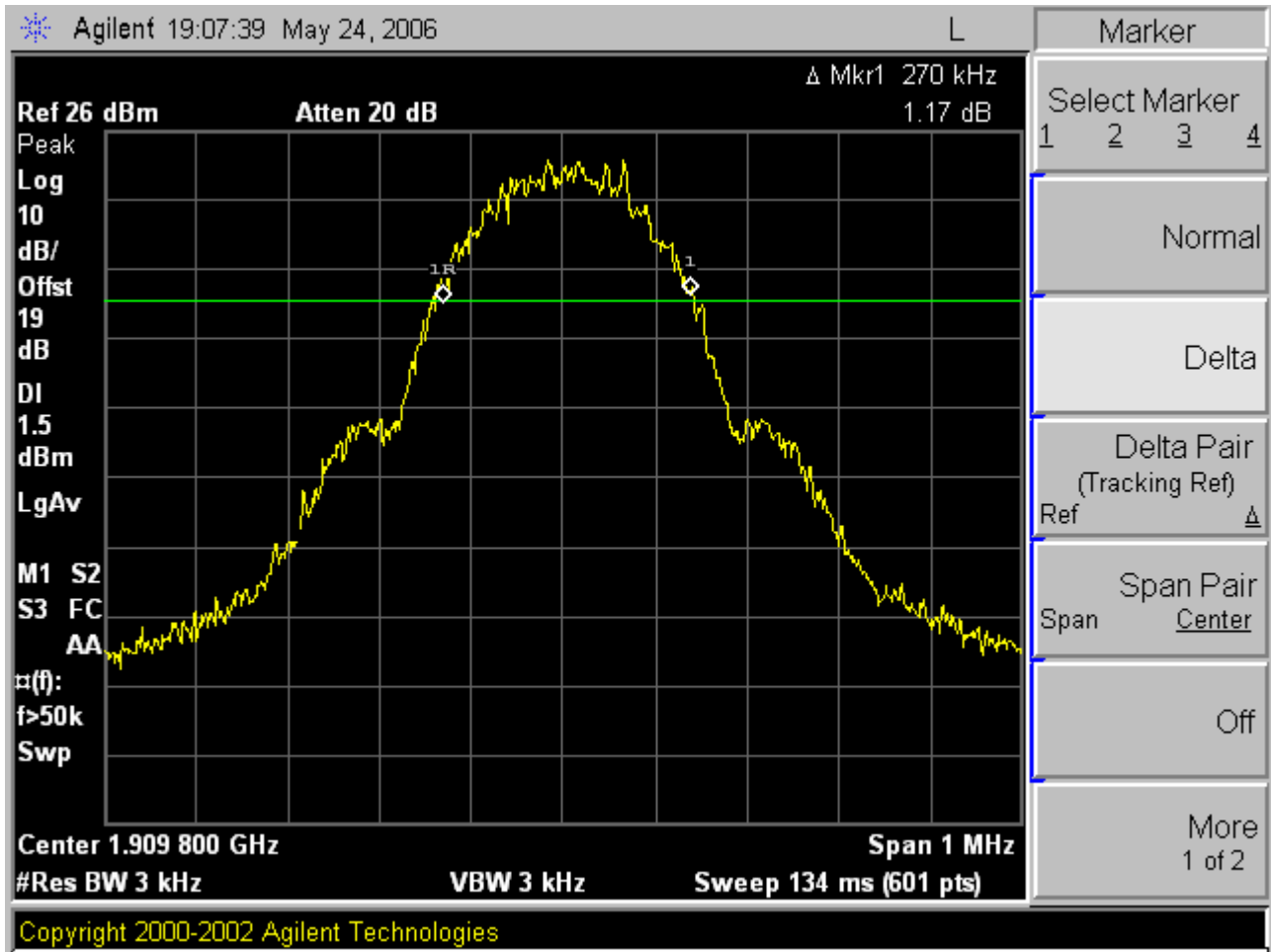
Channel 512



Channel 661



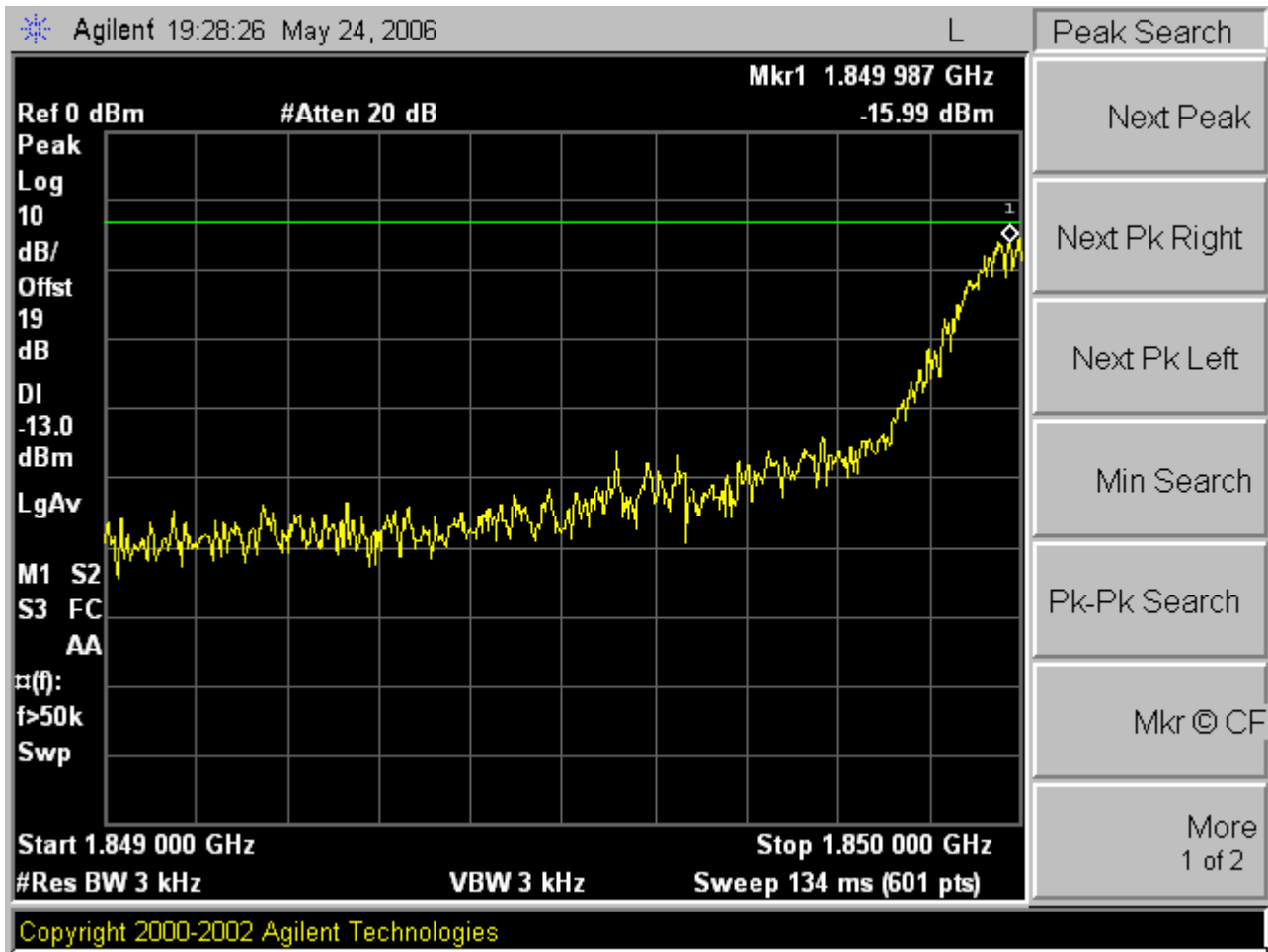
Channel 810



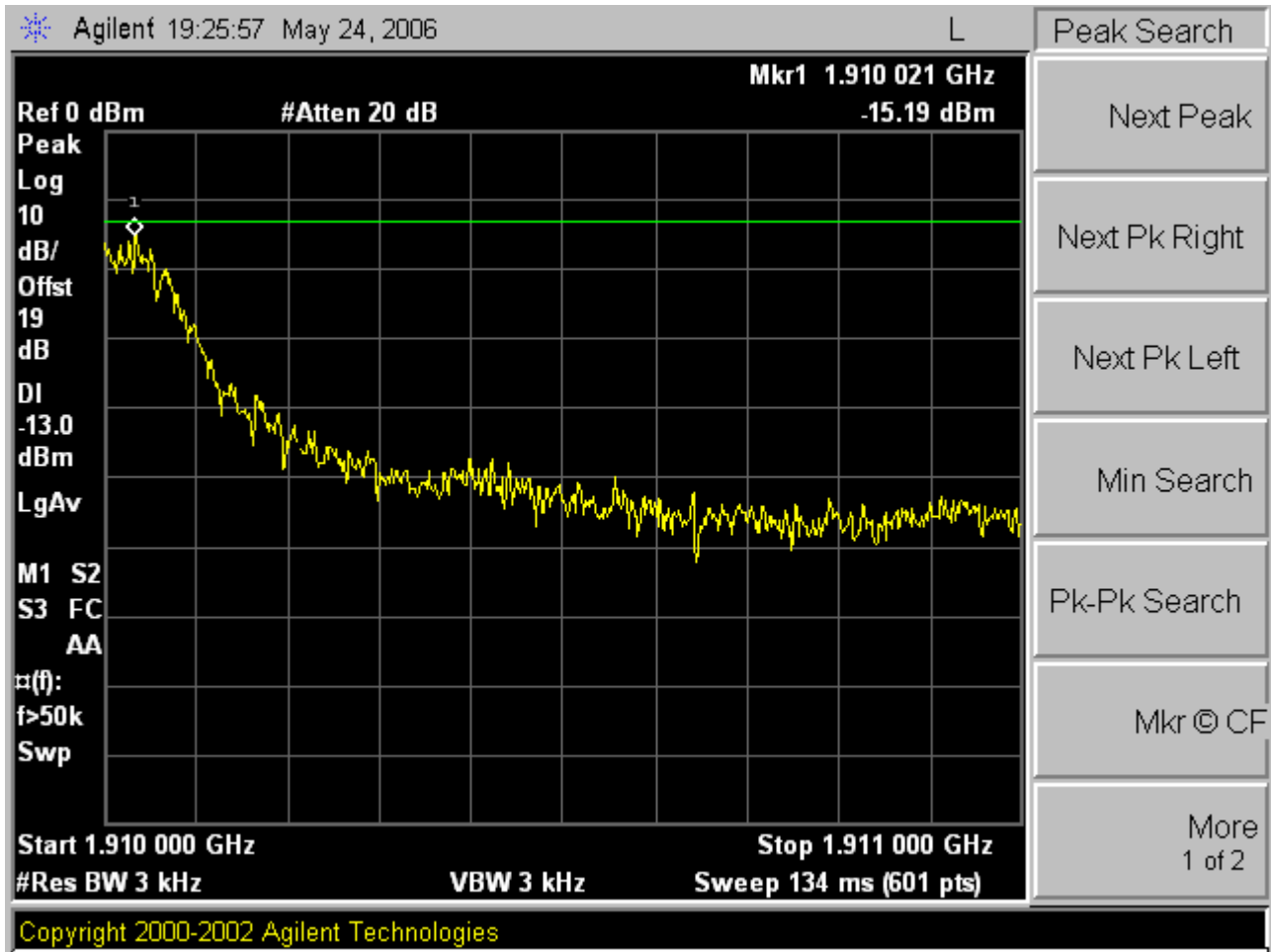
Appendix D

Band Edges Compliance According to FCC Part 2.1051 & 24.238

Channel 512



Channel 810

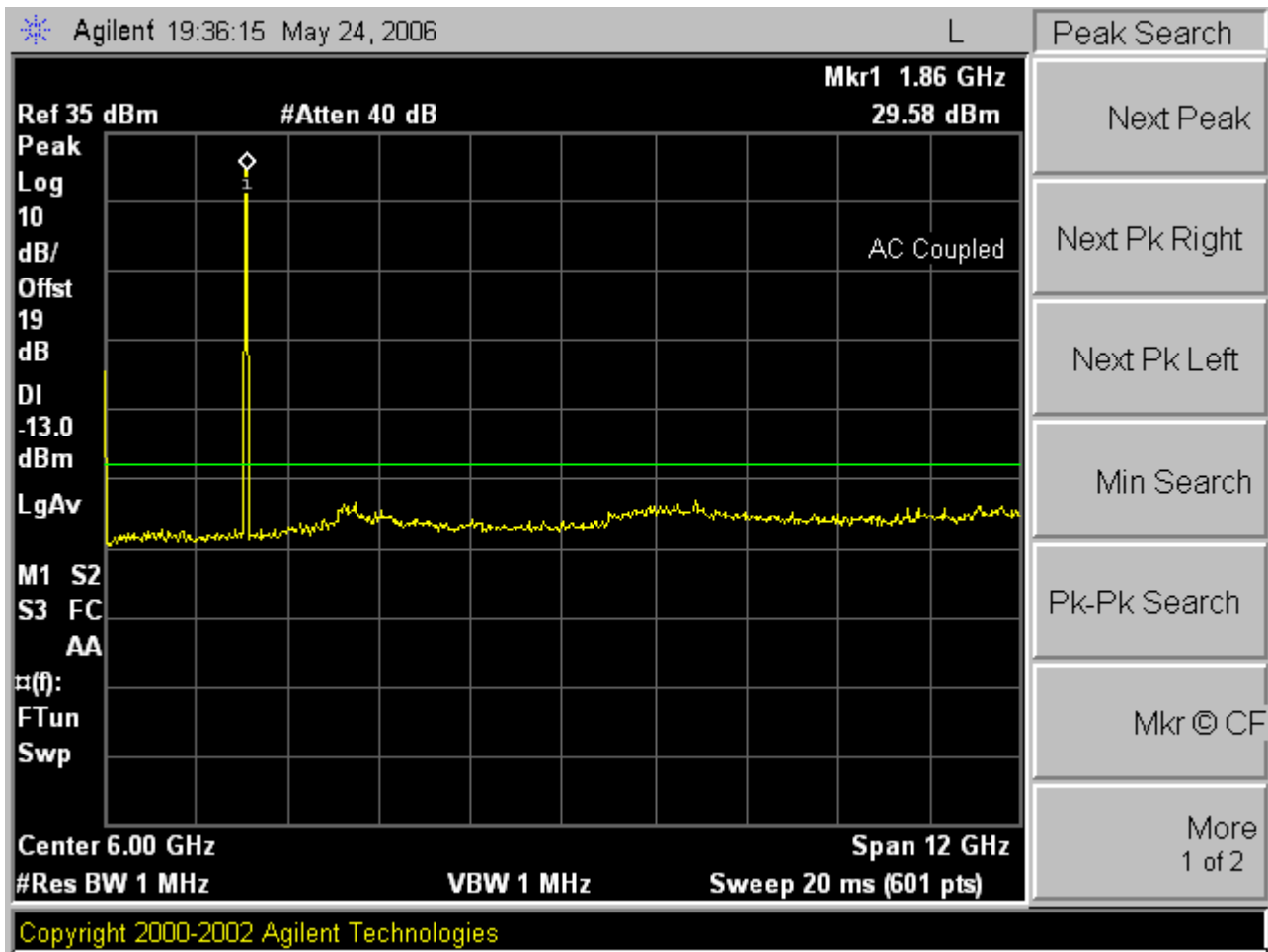


Appendix E

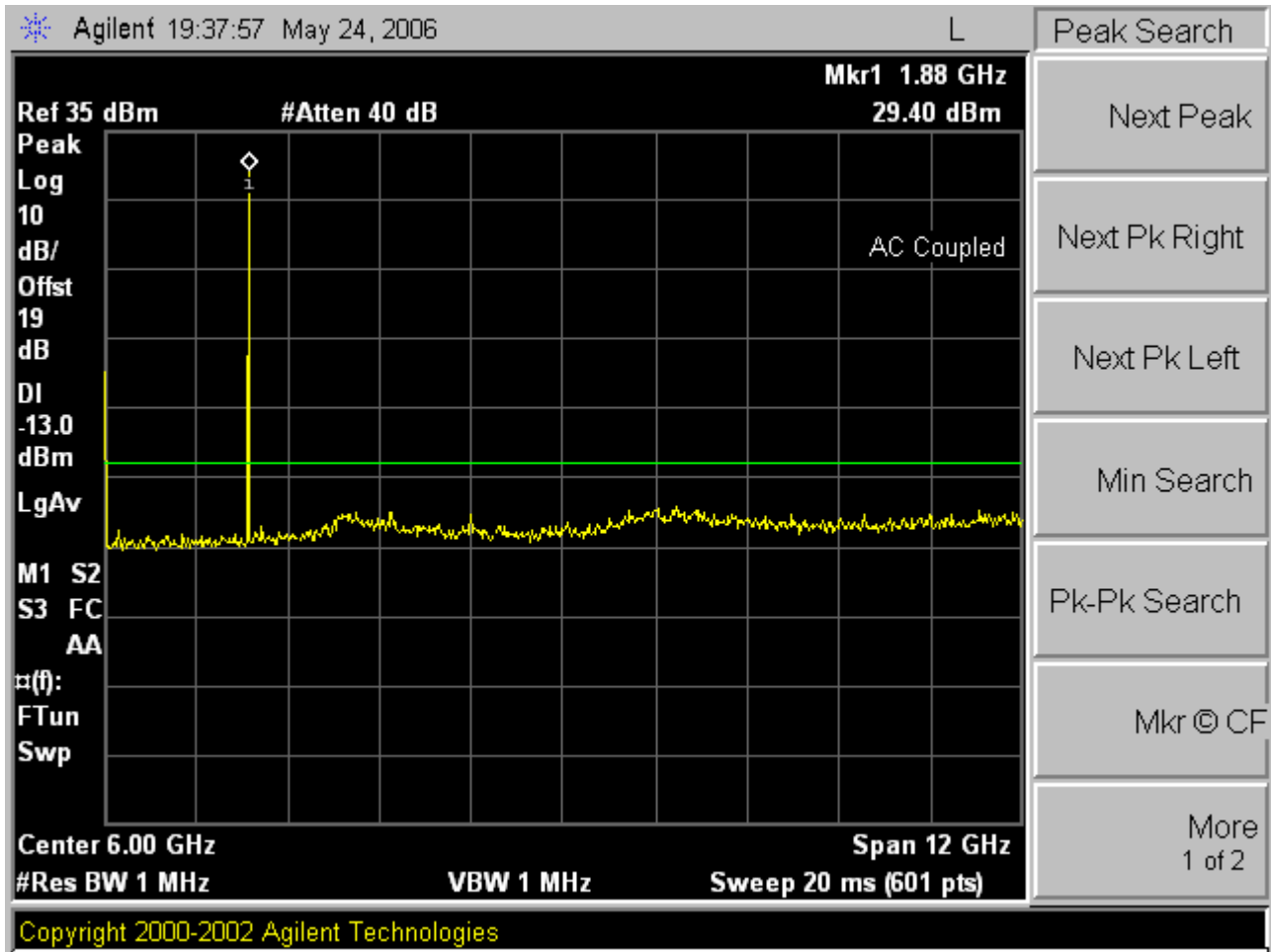
Spurious Emission at Antenna Terminal

According to FCC Part 2.1051 & 24.238

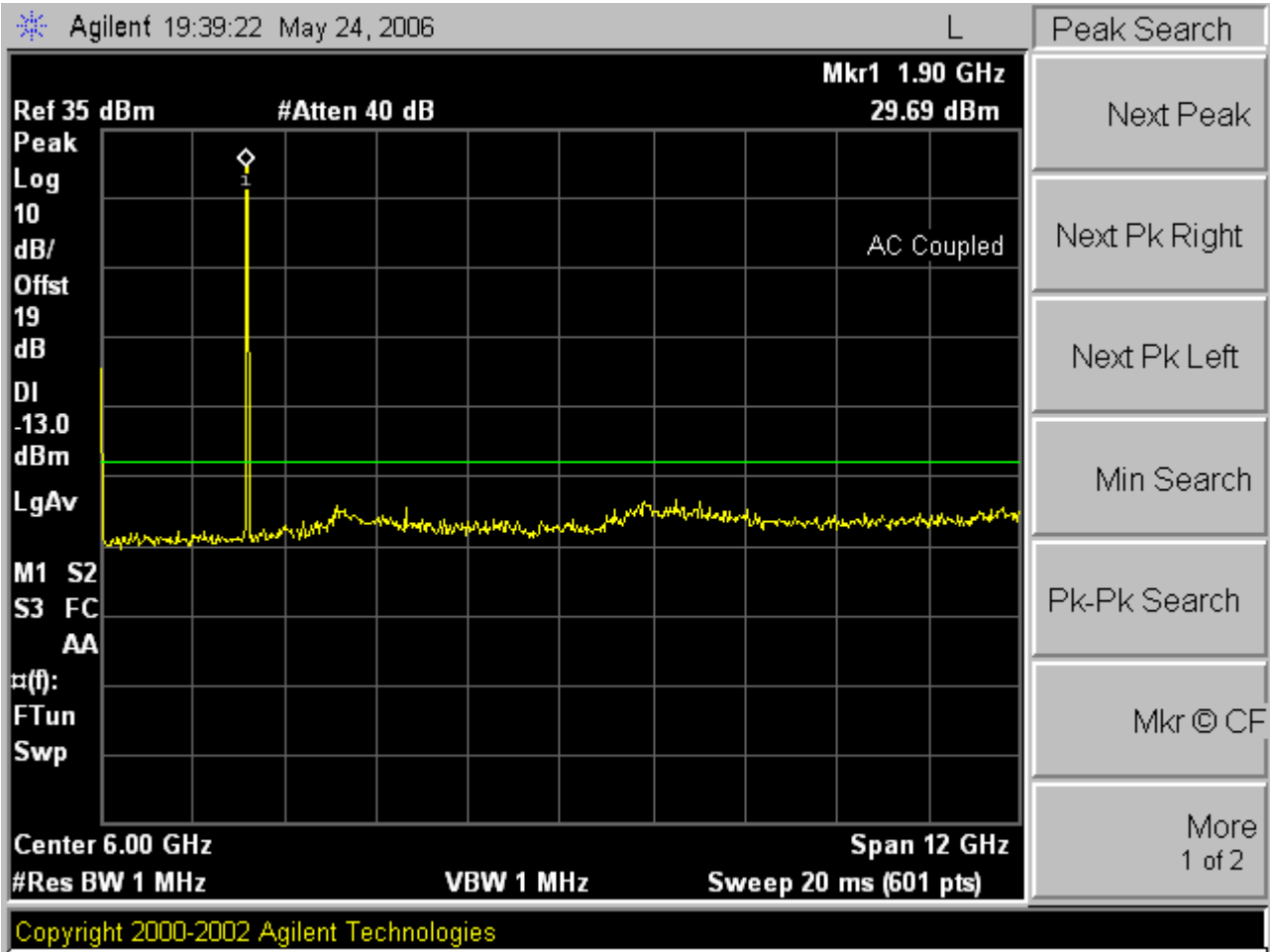
Channel 512



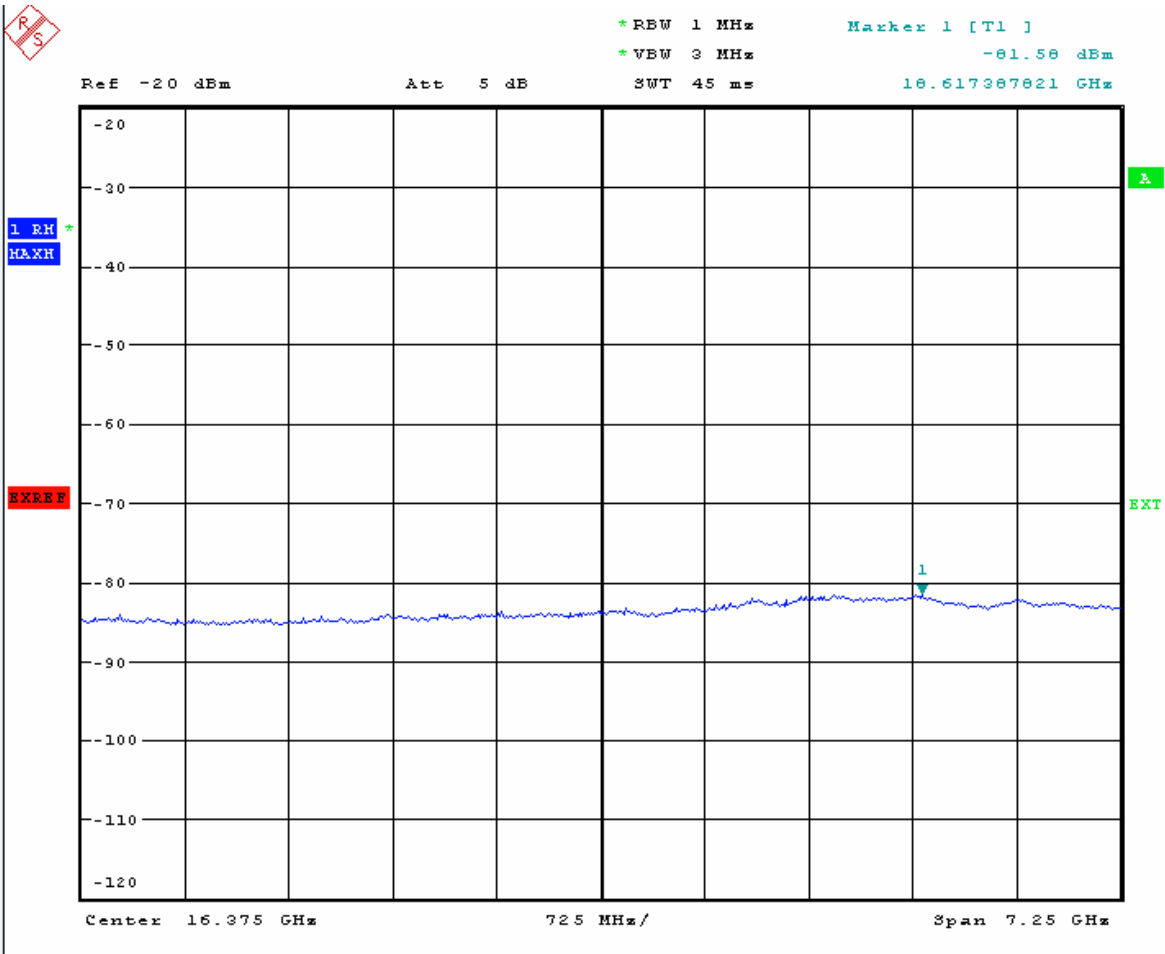
Channel 661



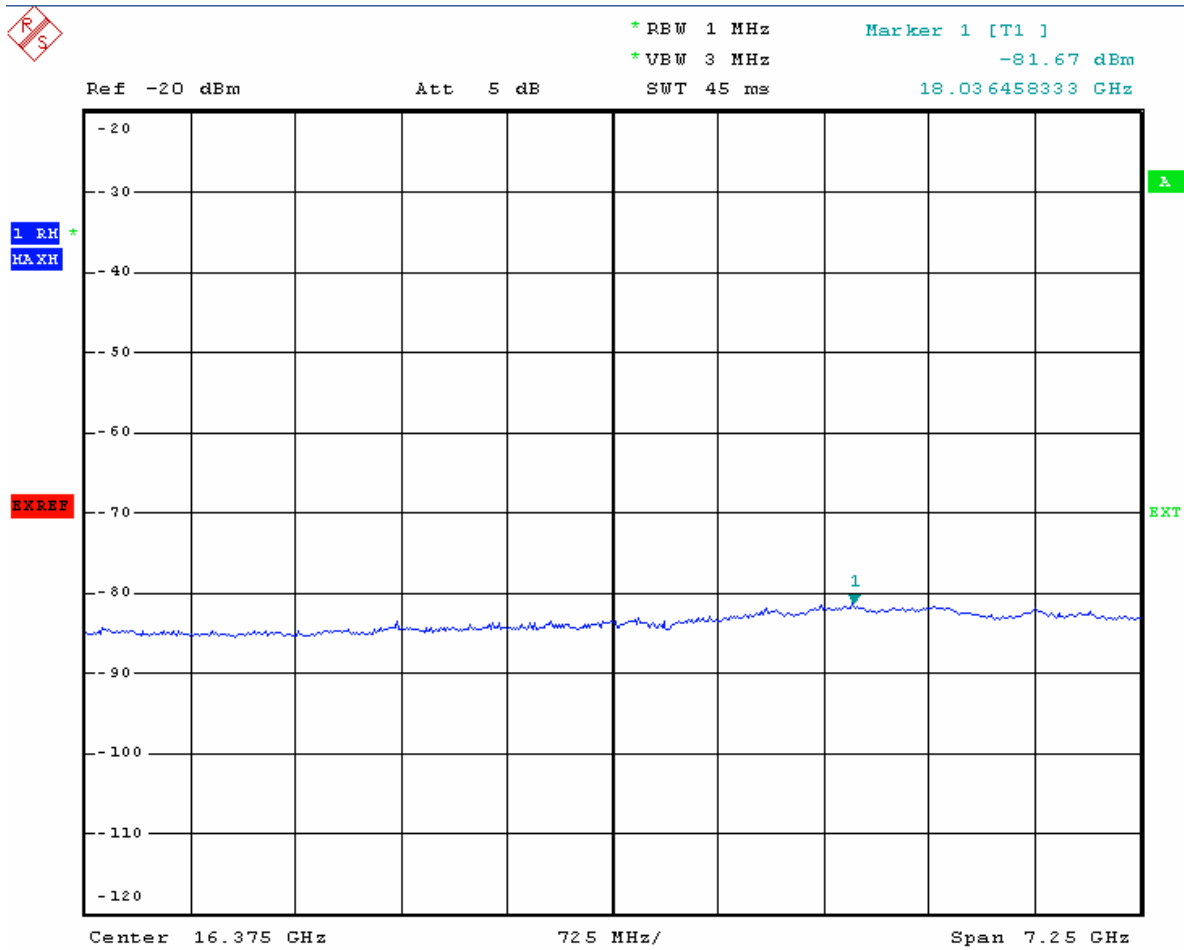
Channel 810



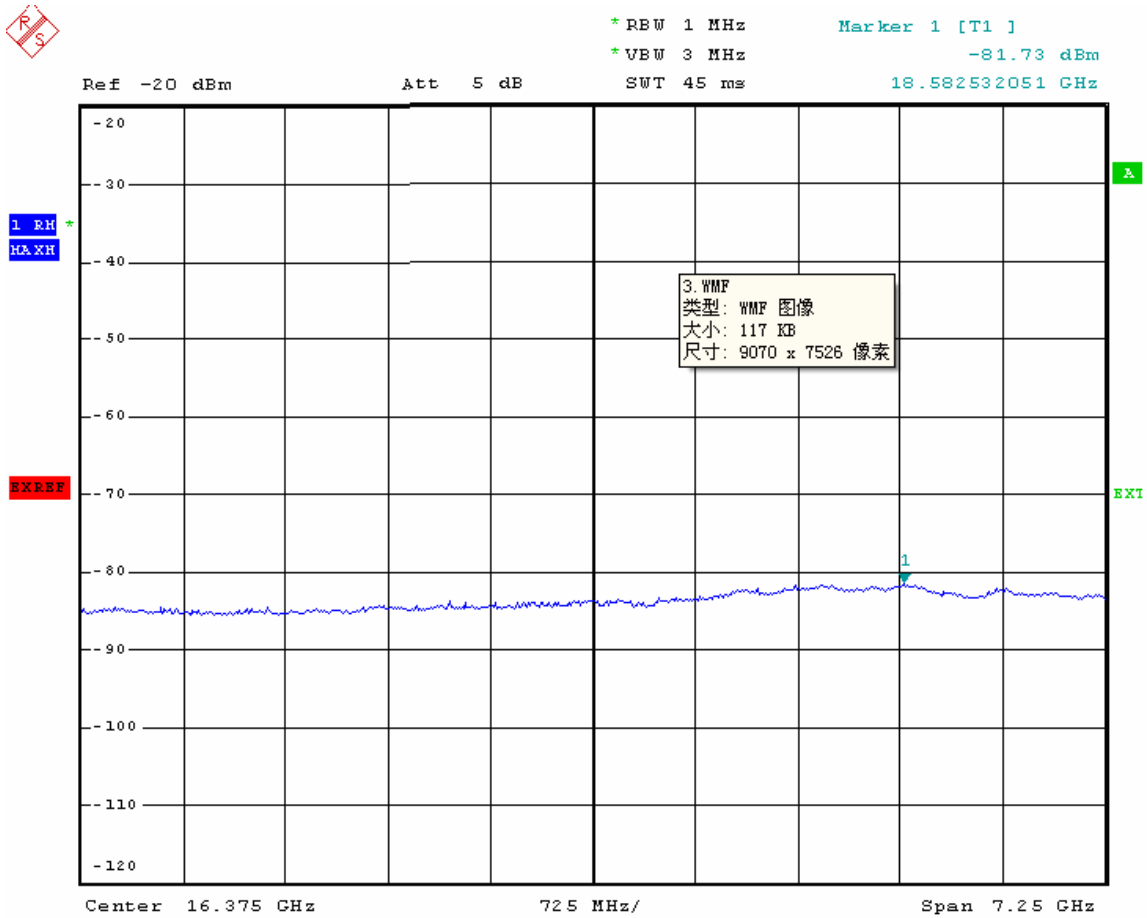
Channel 512



Channel 661



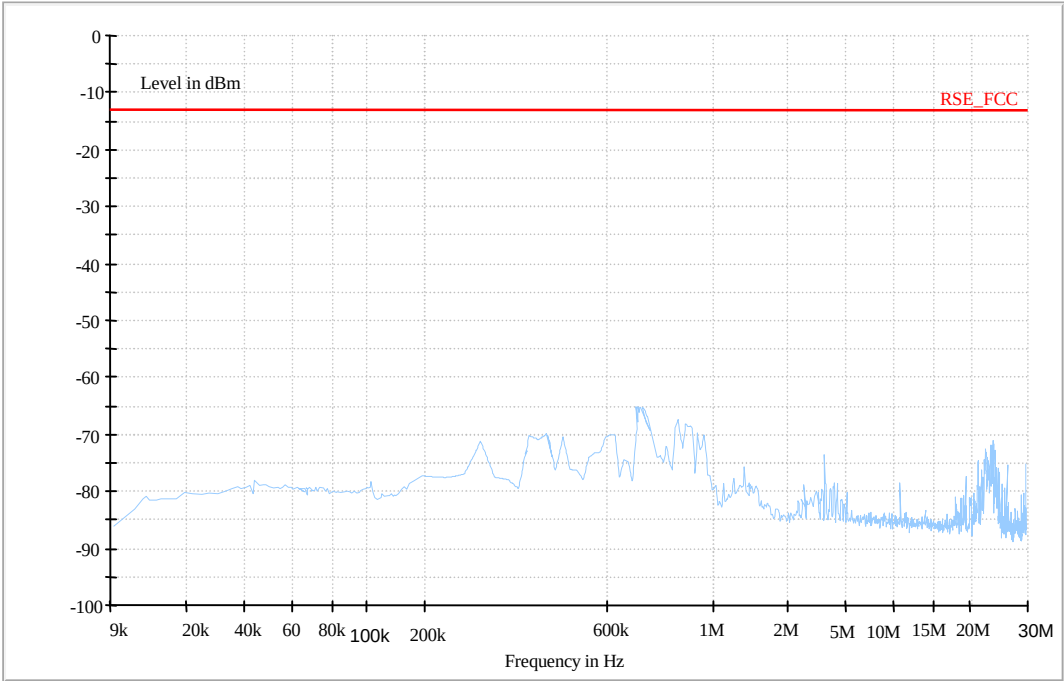
Channel 810



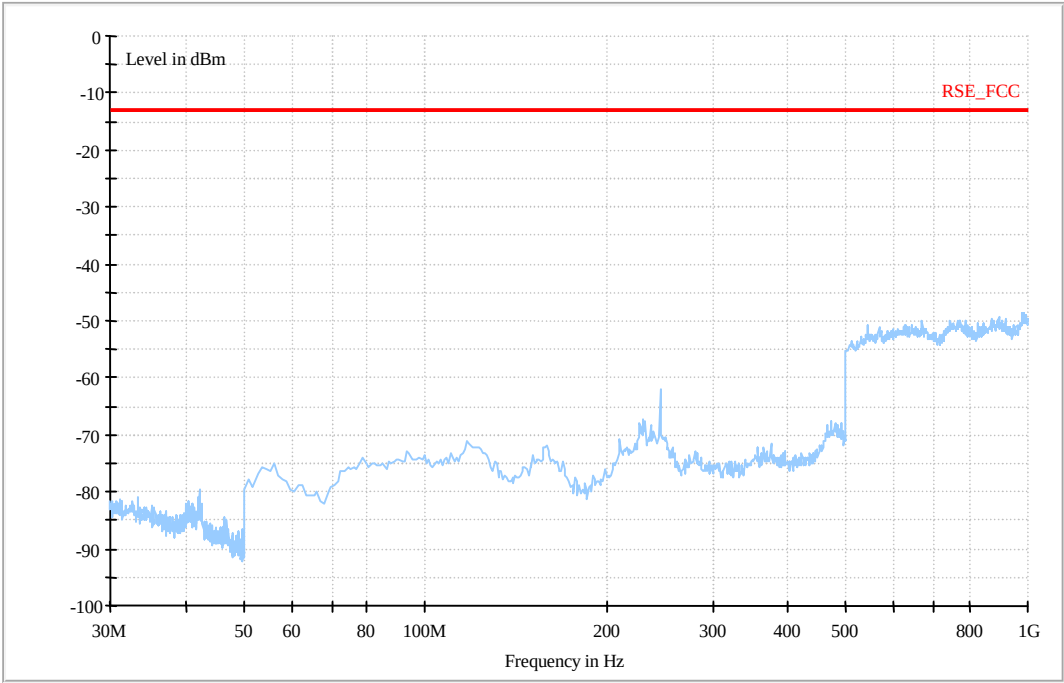
Appendix F

Radiated Spurious Emission According to FCC Part 2.1053 & 24.238

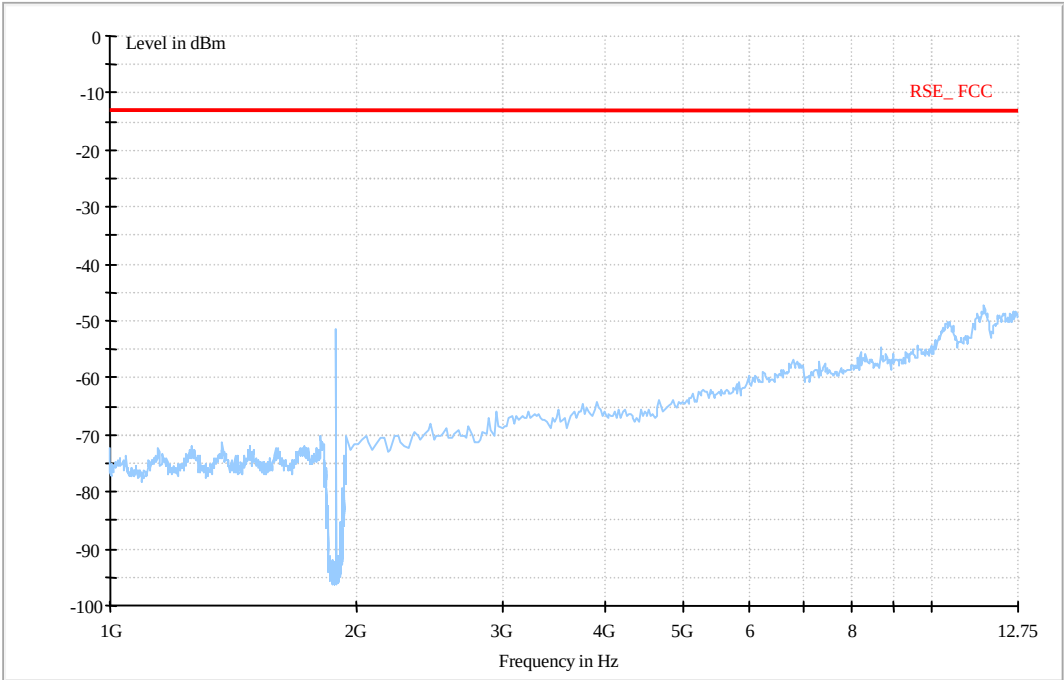
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-1GHz)

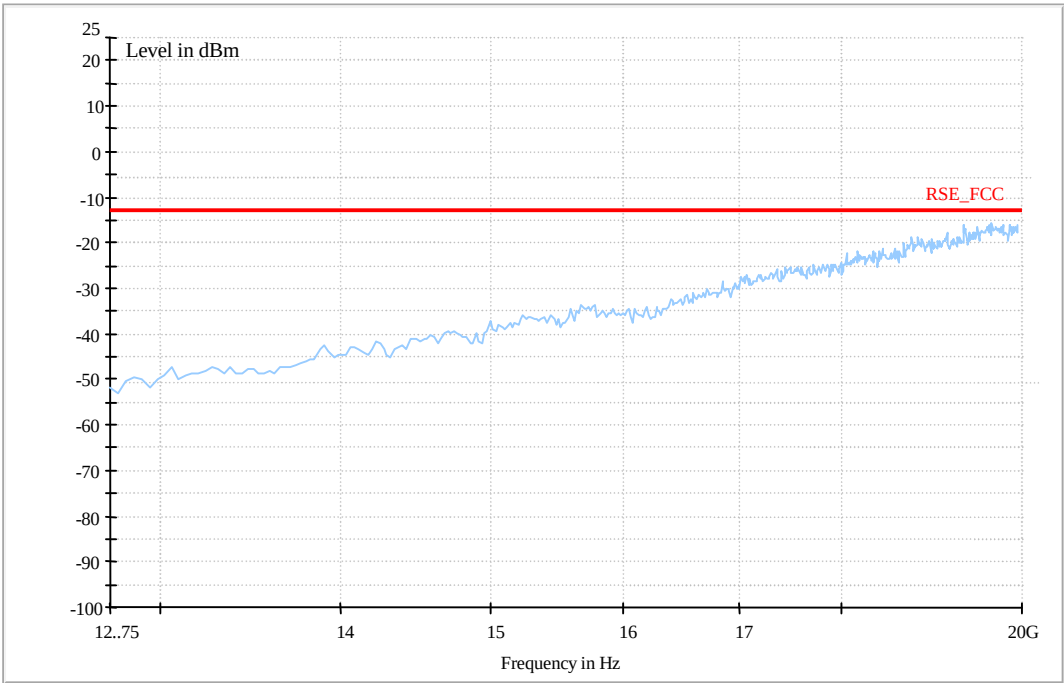


Traffic Mode (1GHz-12.75GHz)

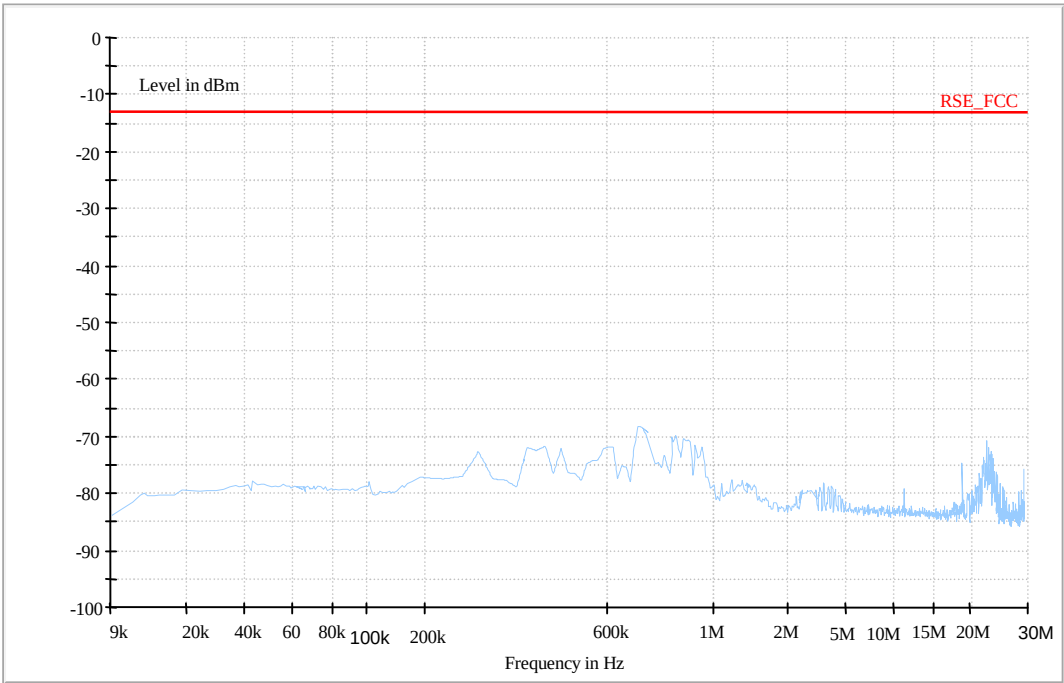


Note: The frequency which exceeded the limit was the carrier frequency.

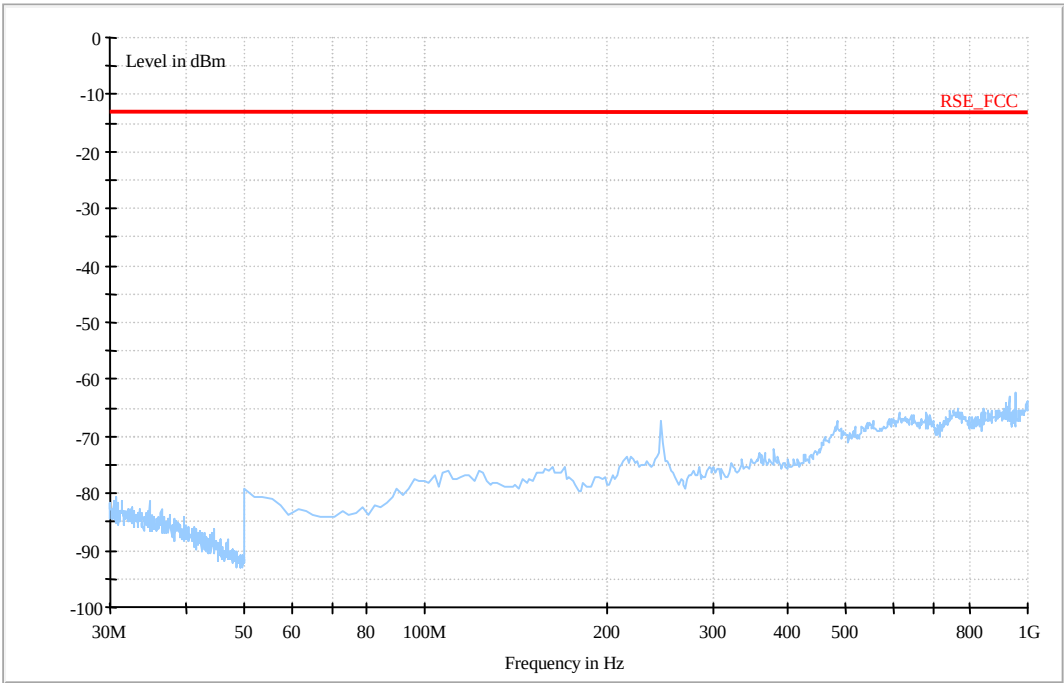
Traffic Mode (12GHz-20GHz)



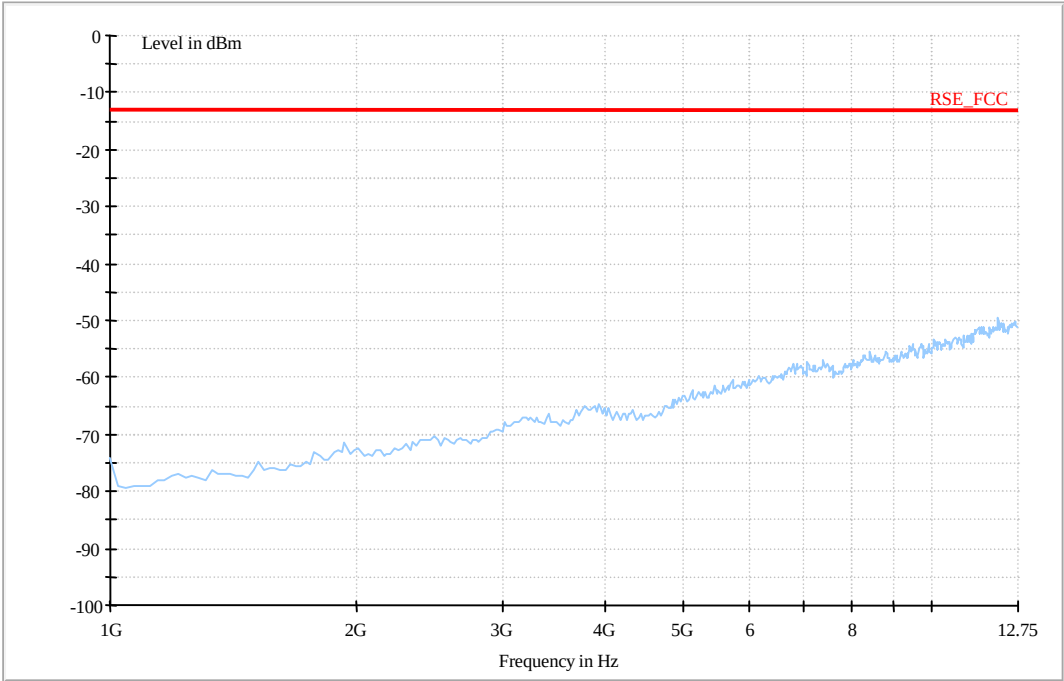
IDLE Mode (9 kHz-30MHz)



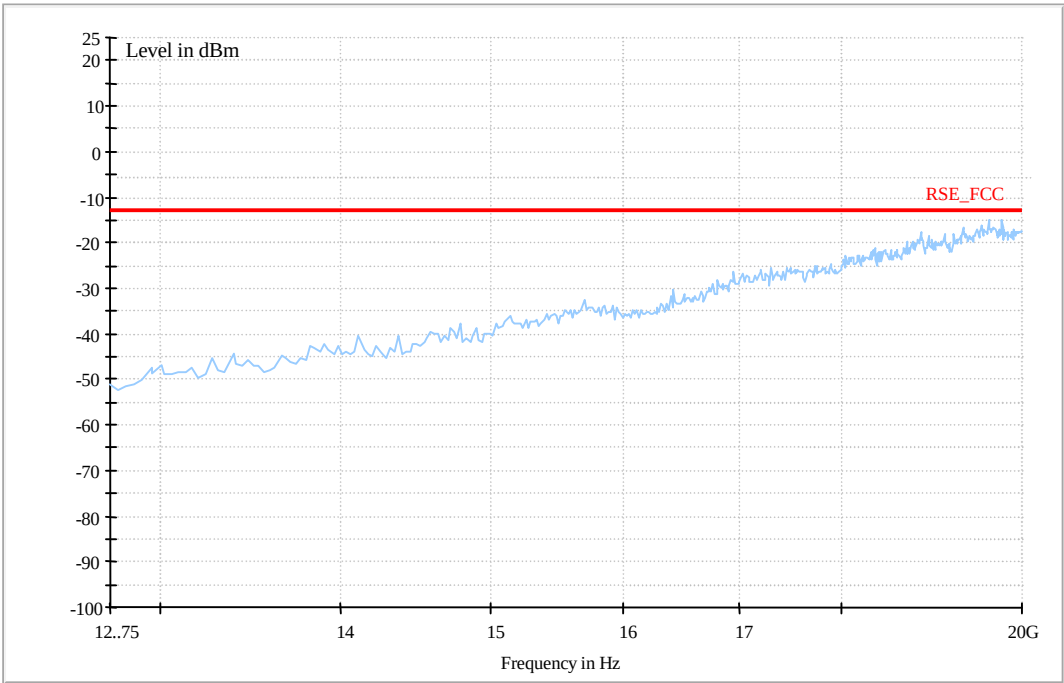
IDLE Mode (30MHz-1GHz)



IDLE Mode (1GHz-12.75GHz)

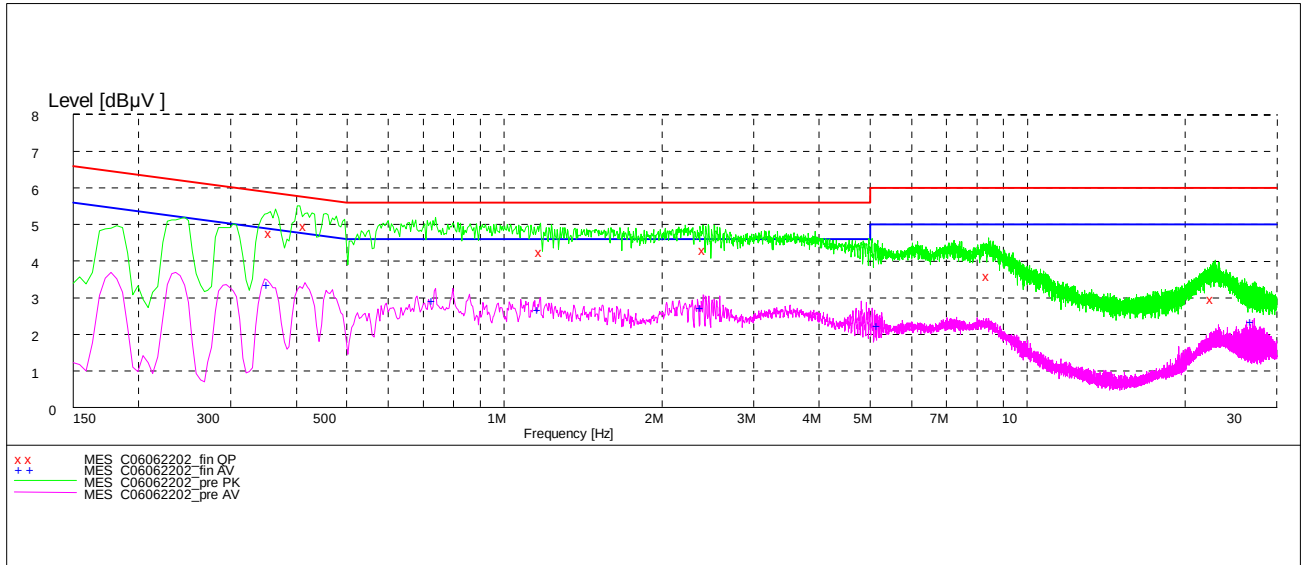


IDLE Mode (12GHz-20GHz)



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
0.352500	48.60	10.2	59	10.4	L3	FLO
0.433500	49.40	10.0	57	7.6	L3	FLO
1.171500	47.30	10.0	56	8.7	L3	FLO
2.224500	45.80	10.1	56	10.2	L3	FLO
8.520000	40.40	10.6	60	19.6	L3	FLO
25.47600	25.40	14.6	60	34.6	N	FLO

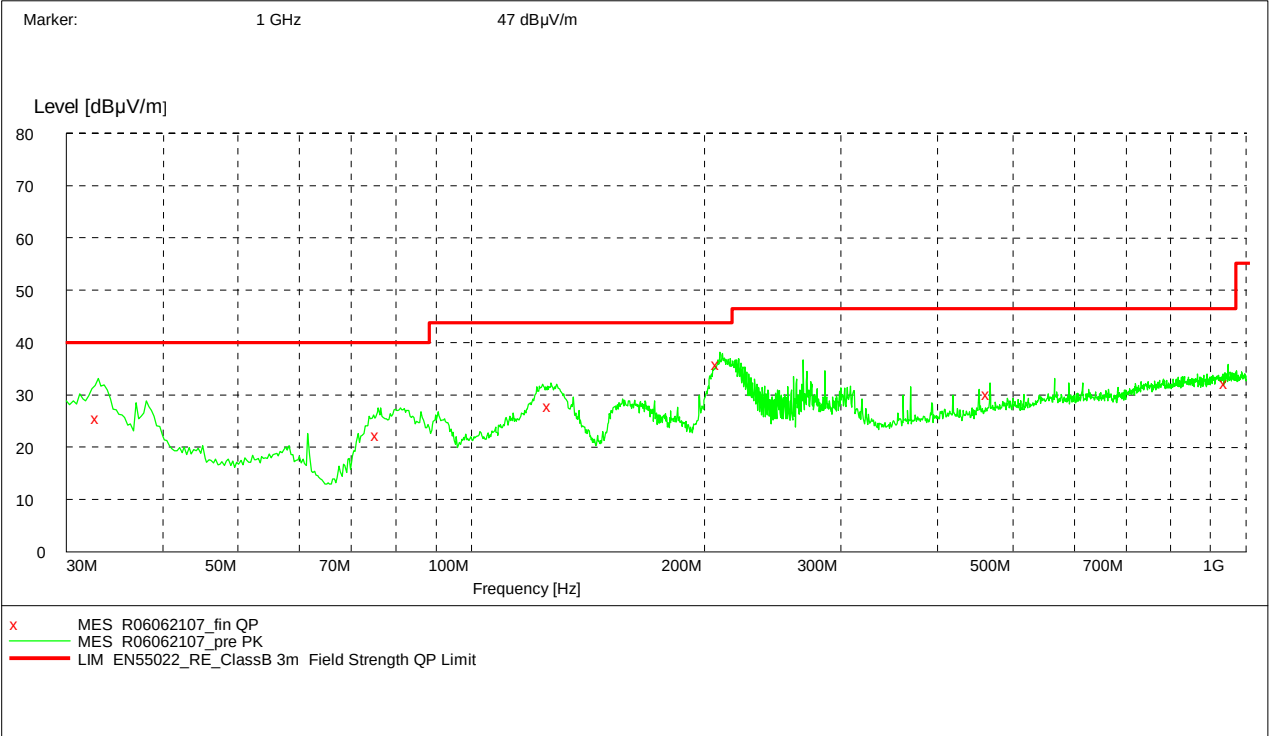
MEASUREMENT RESULT:AV DECTER

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.348000	35.70	10.2	49	13.3	L3	FLO
0.420000	34.40	10.0	47	12.6	L3	FLO
1.171500	31.50	10.0	46	14.5	L3	FLO
2.530500	34.10	10.1	46	11.9	L3	FLO
5.113500	29.30	10.1	50	20.7	L3	FLO
24.10800	24.10	15.1	50	25.9	L3	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
33.060000	25.70	-6.1	40.0	14.3	106.0	19.00	VERTICAL
75.900000	22.40	-15.9	40.0	17.6	297.0	111.00	VERTICAL
126.720000	27.90	-9.9	43.5	15.6	225.0	0.00	HORIZONTAL
208.860000	36.00	-11.9	43.5	7.5	121.0	158.00	HORIZONTAL
466.9200	30.30	-3.6	46.0	15.7	100.0	111.00	VERTICAL
947.40000	32.30	2.3	46.0	13.7	100.0	91.00	VERTICAL

Appendix I

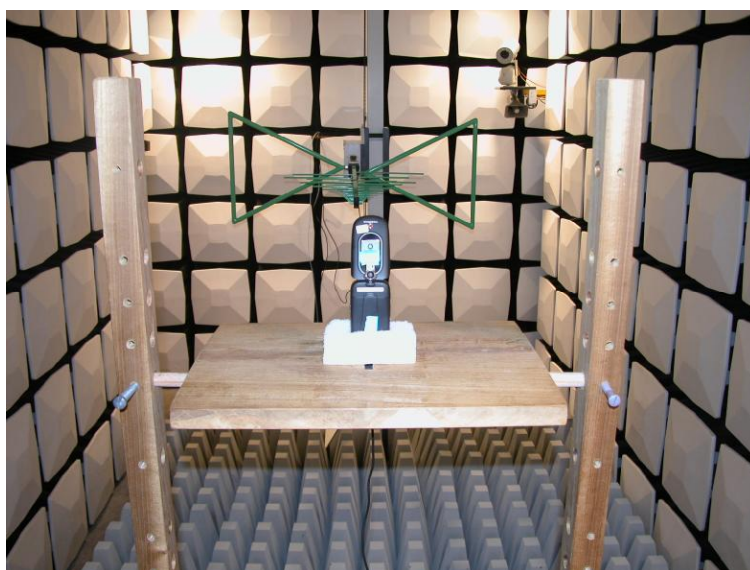
Photos of Test Setup

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