

# Appendix A

## 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 Phase <b>2.94° Pass</b>						RMS Phase <b>0.98° Pass</b>		
Change View	Frequency <b>2.66 Hz Pass</b>						Continuous		
1 of 2	Active Cell Connected			Sys Type: GSM			Downlink Traffic Power ▾		
	IntRef			Offset			Traffic Band		
							PCS		
							Traffic Channel		
						512			
						HS TX Level			
						0			
						Channel Mode Setup ▾			
						Return			
						1 of 2			

## Channel 661

Measurement/Instrument Screen									
Control	Phase & Frequency Error						TCH Parms		
Phase & Freq. Setup ▾	Peak Phase <b>3.26° Pass</b>						RMS Phase <b>1.07° Pass</b>		
Change View	Frequency <b>-35.86 Hz Pass</b>						Continuous		
1 of 2	Active Cell Connected			Sys Type: GSM			Downlink Traffic Power ▾		
							Traffic Band PCS		
							Traffic Channel 661		
							HS TX Level 0		
						Channel Mode Setup ▾			
						Return			
						1 of 2			

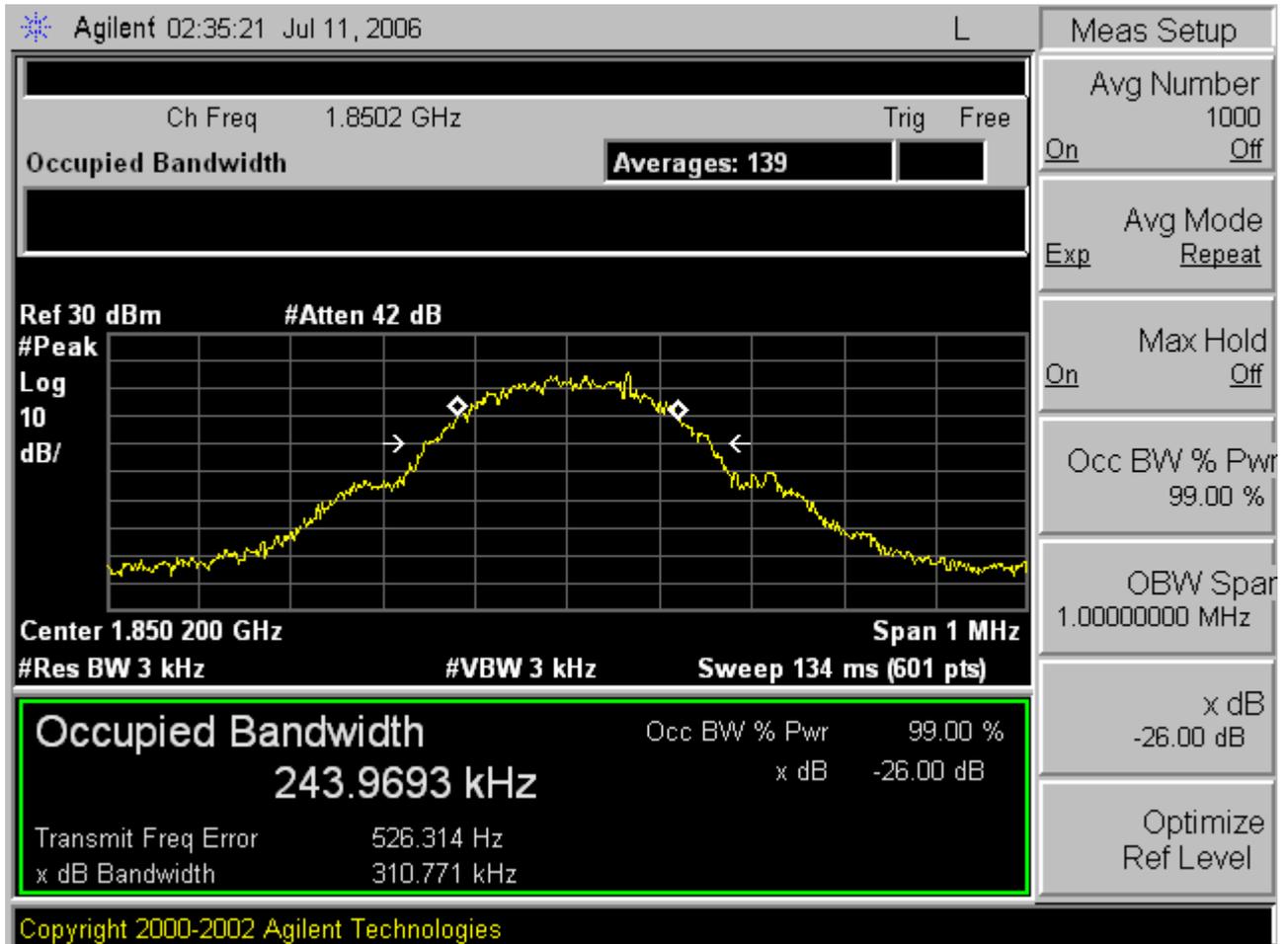


## Appendix B

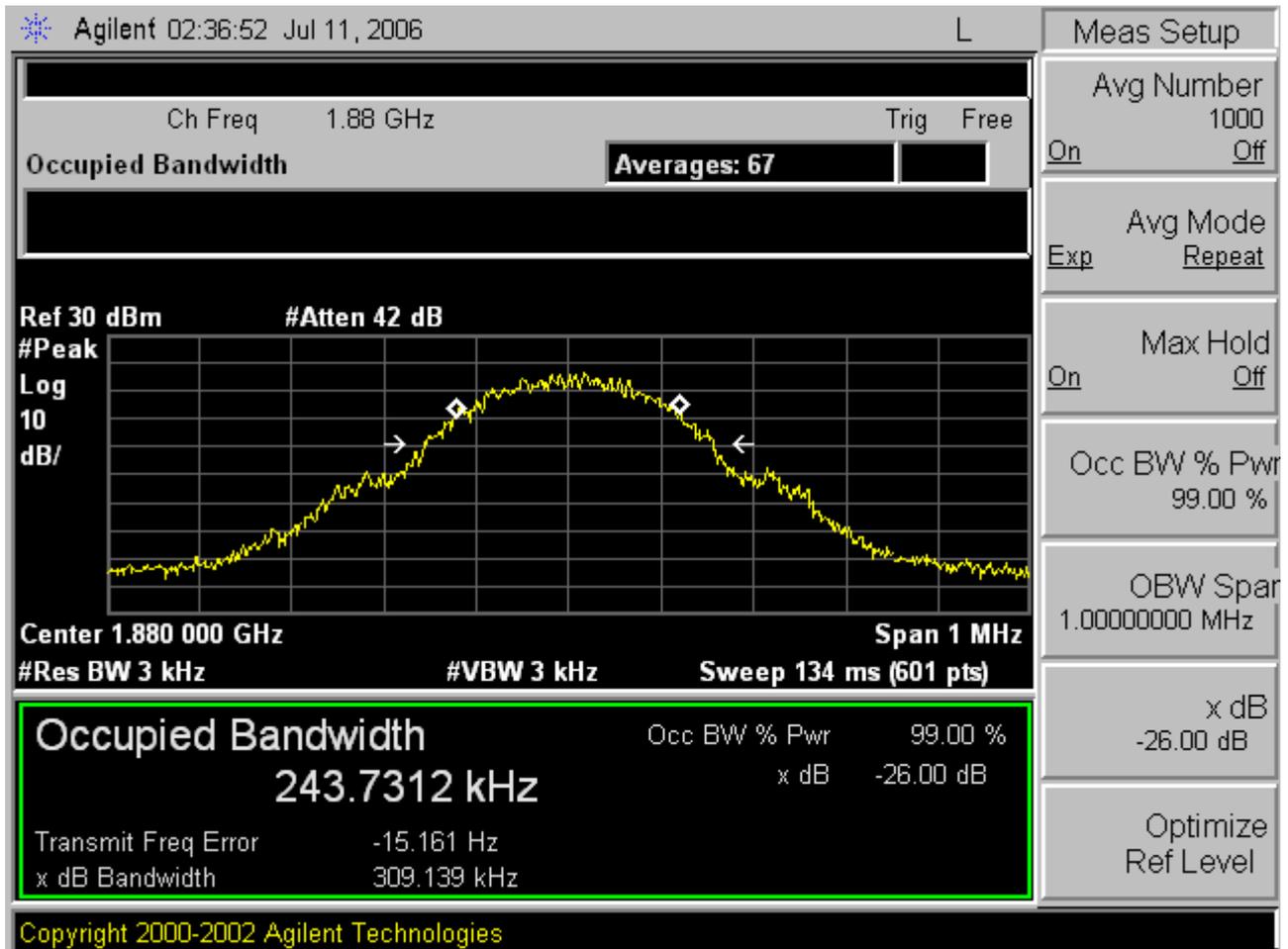
### Occupied Bandwidth

According to FCC part 2.1049 & Part 24 Subpart E

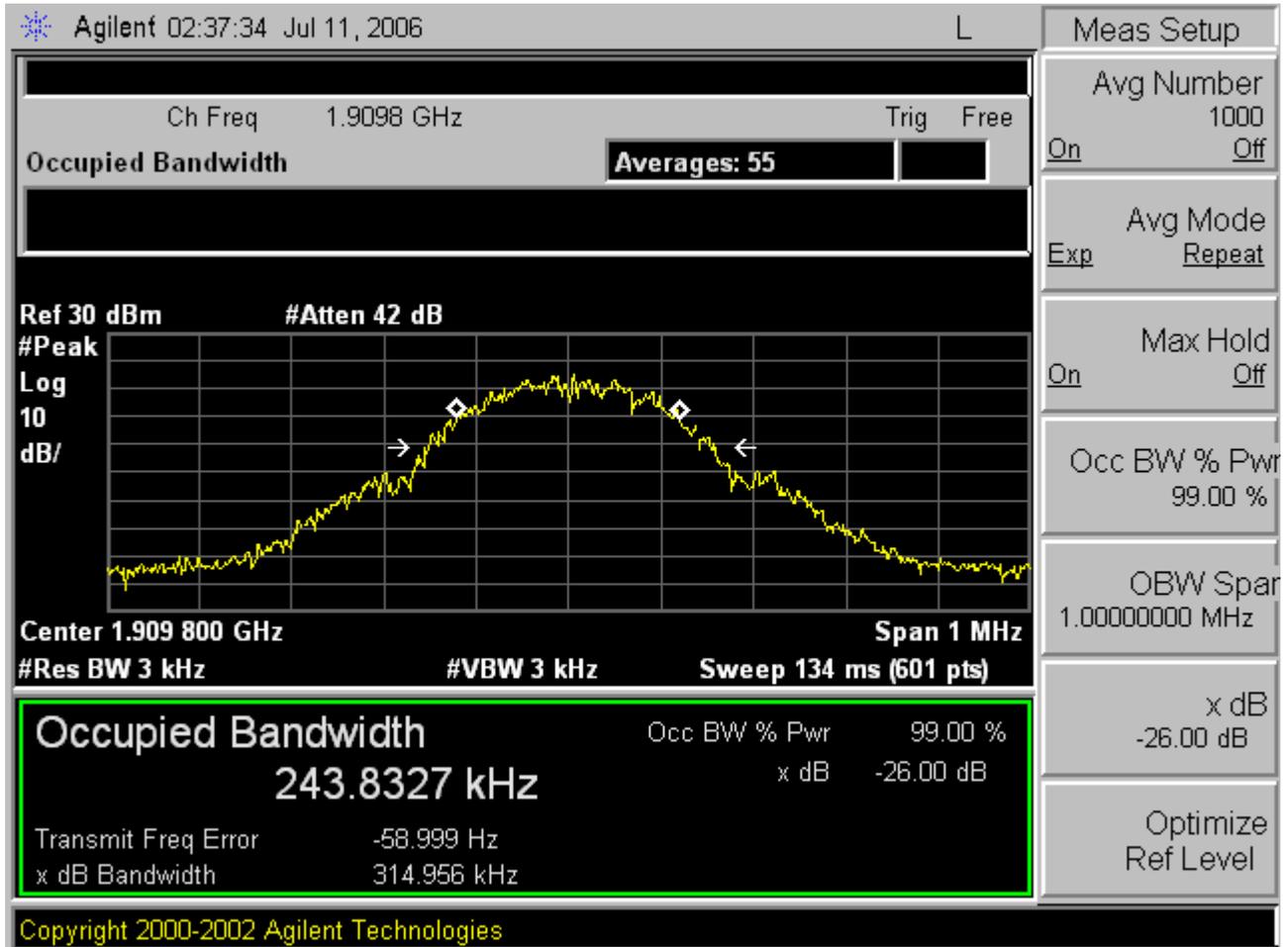
## Channel 512



## Channel 661



## Channel 810



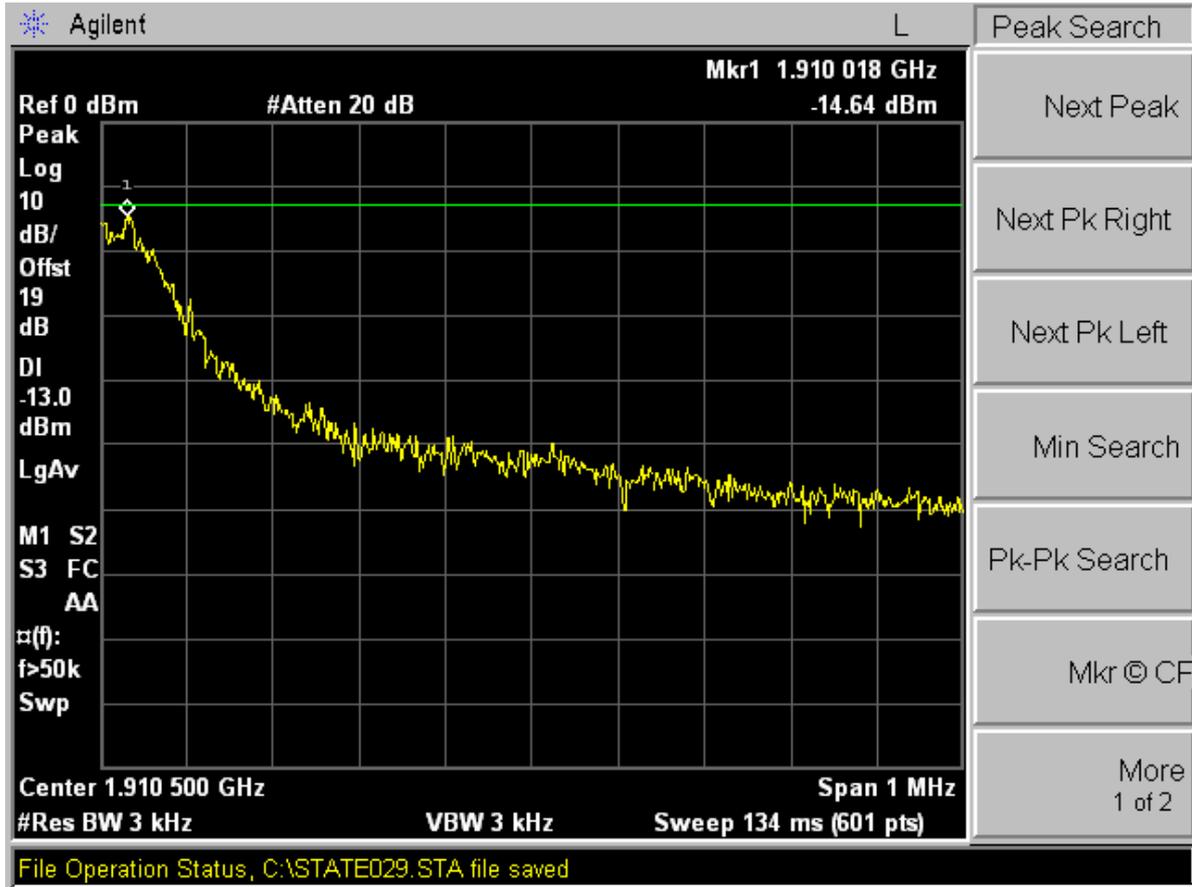
# Appendix C

## Band Edges Compliance According to FCC Part 2.1051 & 24.238

# Channel 512



# Channel 810

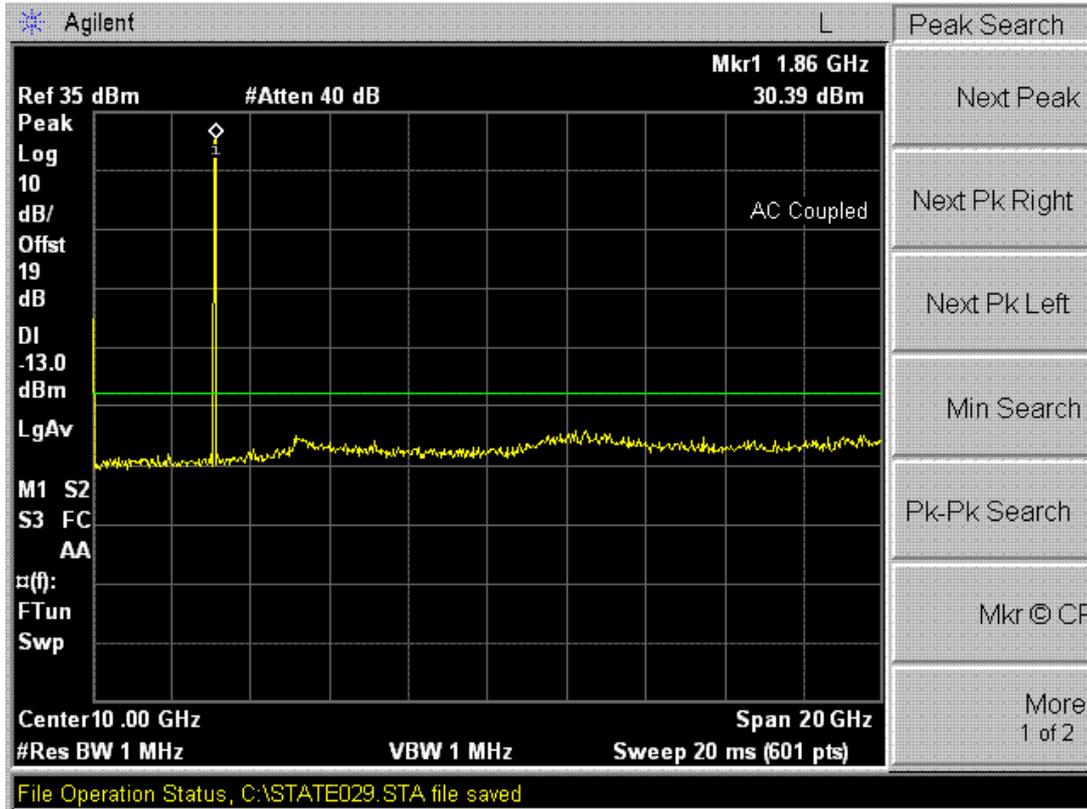


## Appendix D

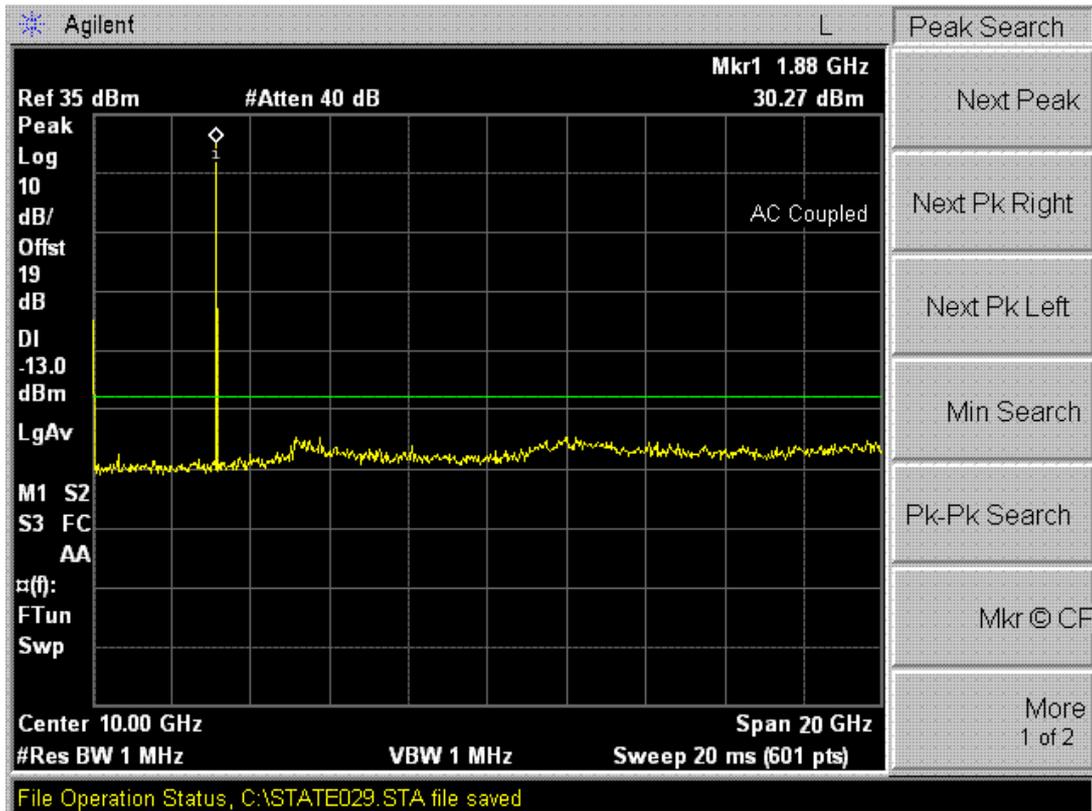
# Spurious Emission at Antenna Terminal

According to FCC Part 2.1051 & 24.238

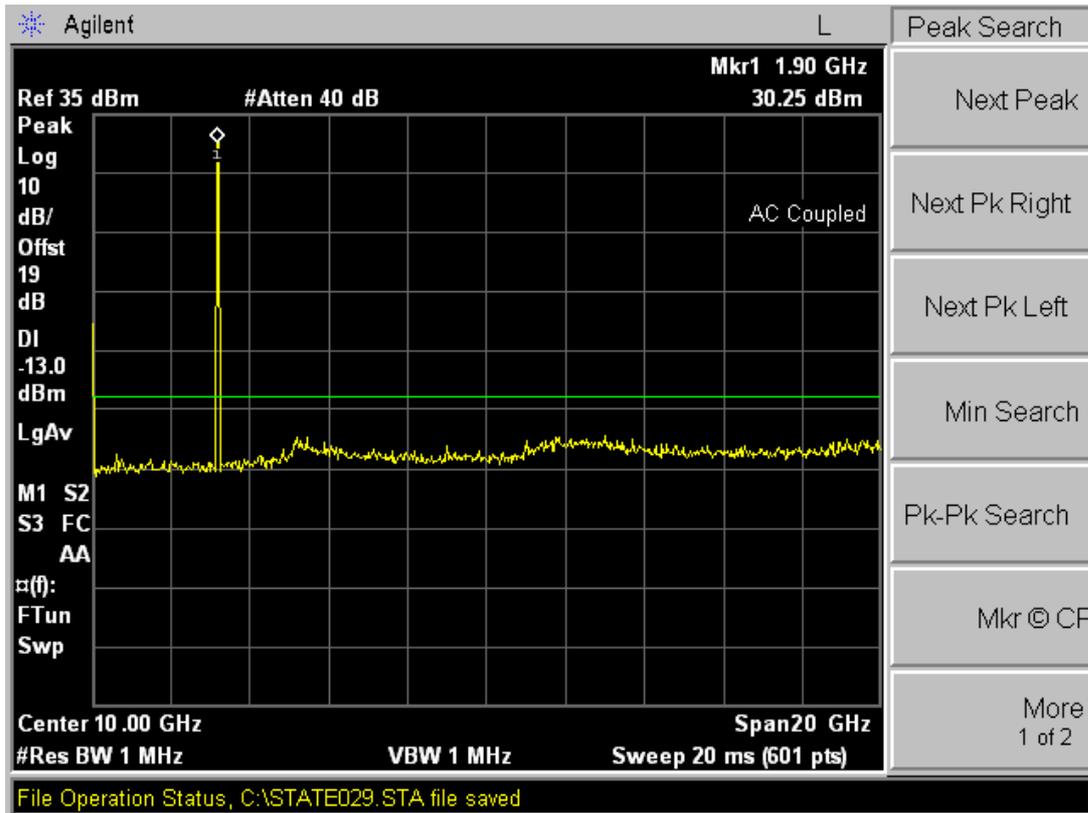
### Channel 512



### Channel 661



## Channel 810

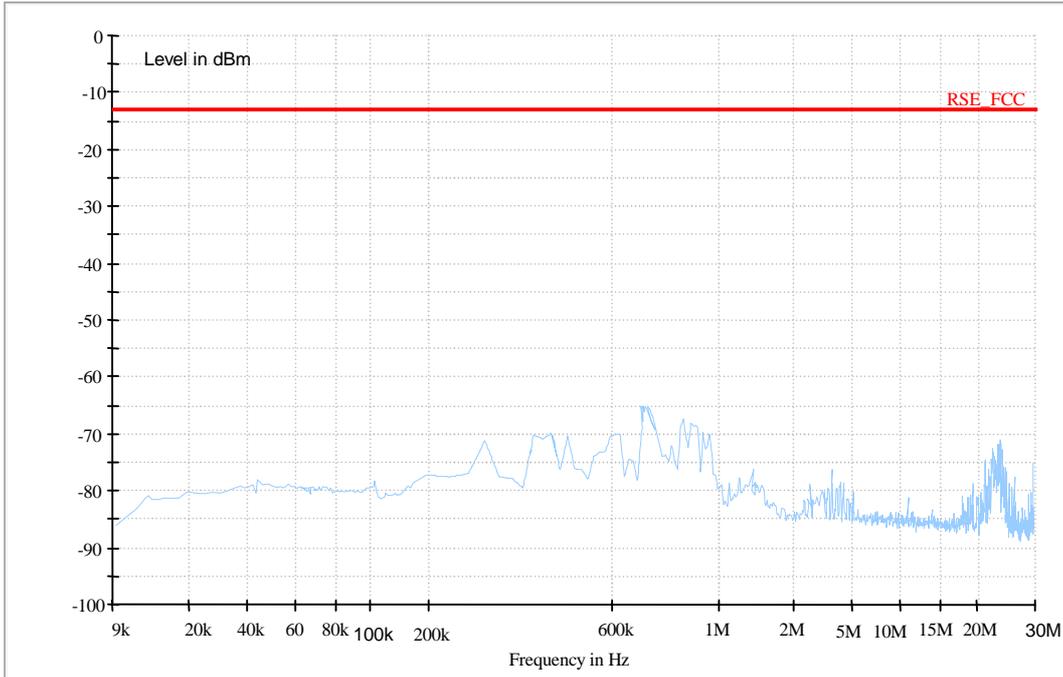


## Appendix E

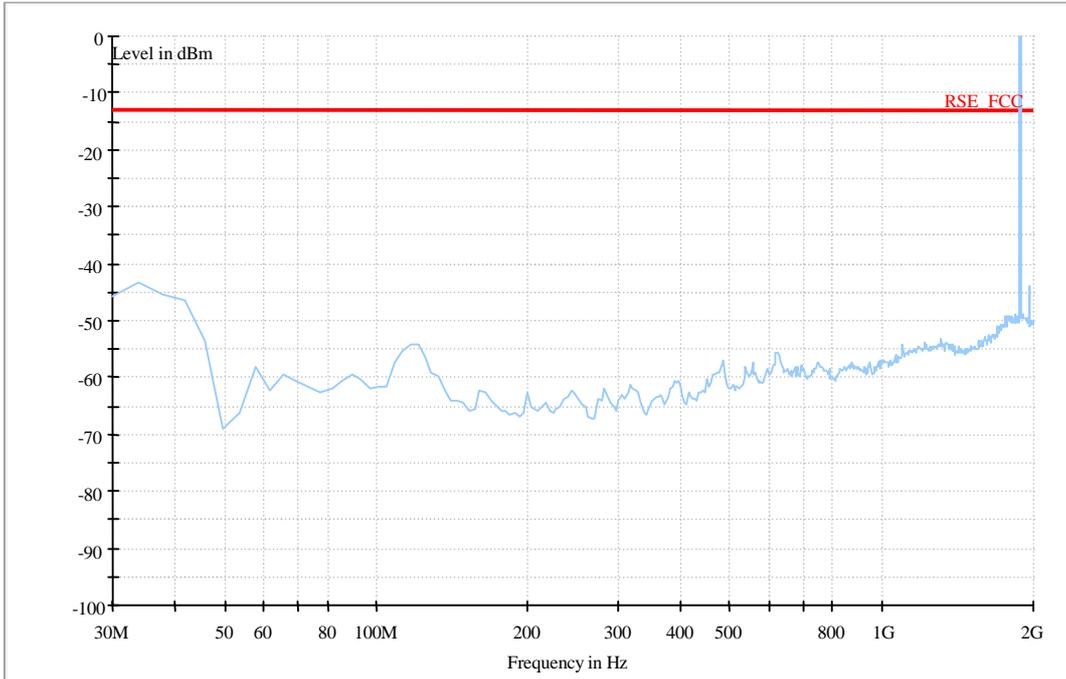
# Radiated Spurious Emission

According to FCC Part 2.1053 & 24.238

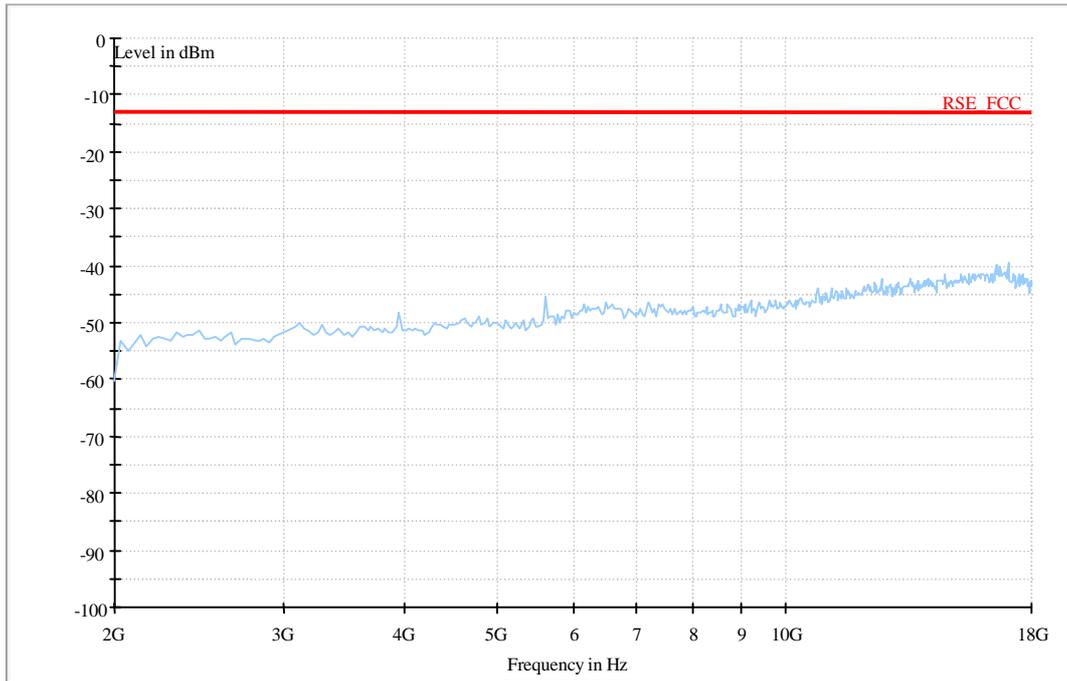
### Traffic Mode (9kHz-30MHz)



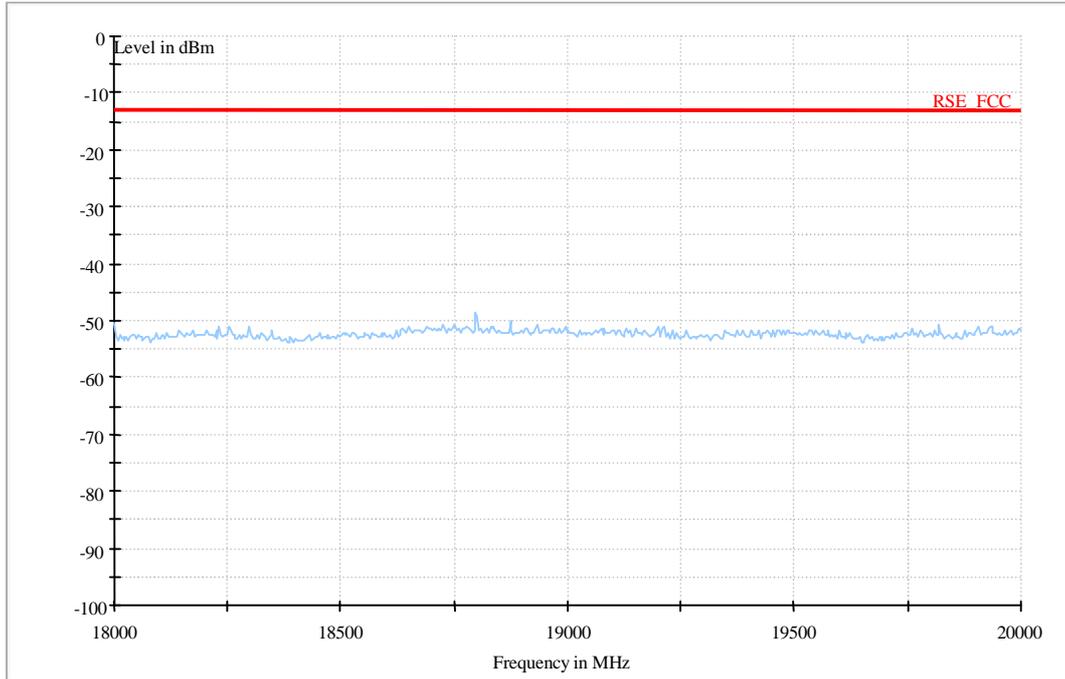
### Traffic Mode (30MHz-2GHz)



### Traffic Mode (2GHz-18GHz)



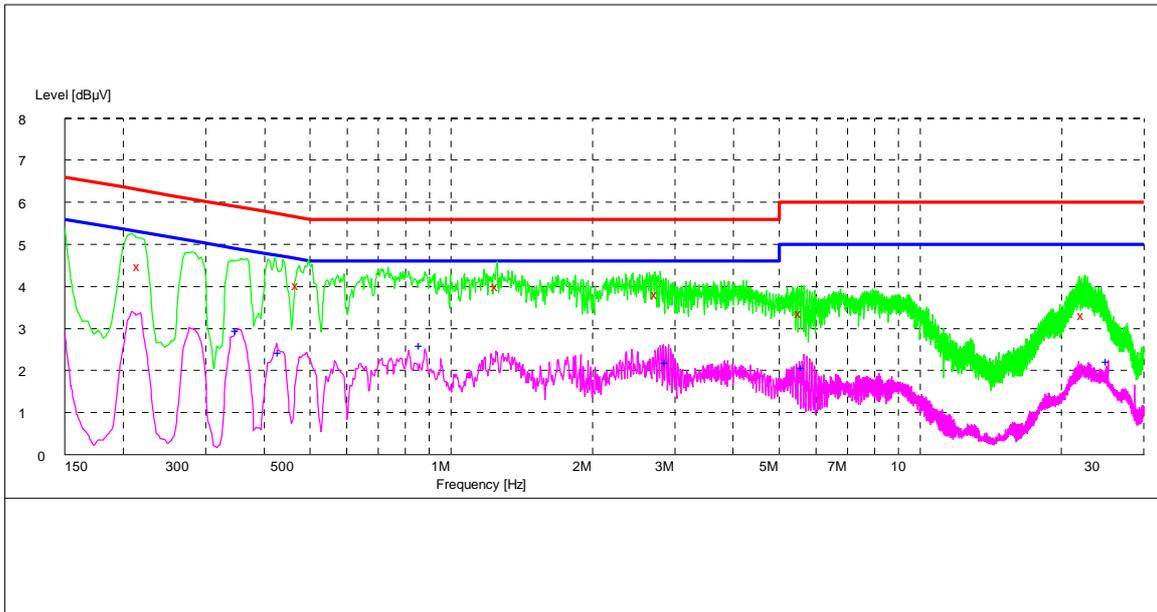
### Traffic Mode (18 GHz-20GHz)



## 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
0.217500	44.90	10.4	63	18.0	N	FLO
0.474000	40.40	10.0	56	16.0	N	FLO
1.261500	40.30	9.9	56	15.7	N	FLO
2.760000	38.30	10.1	56	17.7	N	FLO
5.590500	33.90	10.2	60	26.1	N	FLO
22.366500	33.20	15.0	60	26.8	L3	FLO

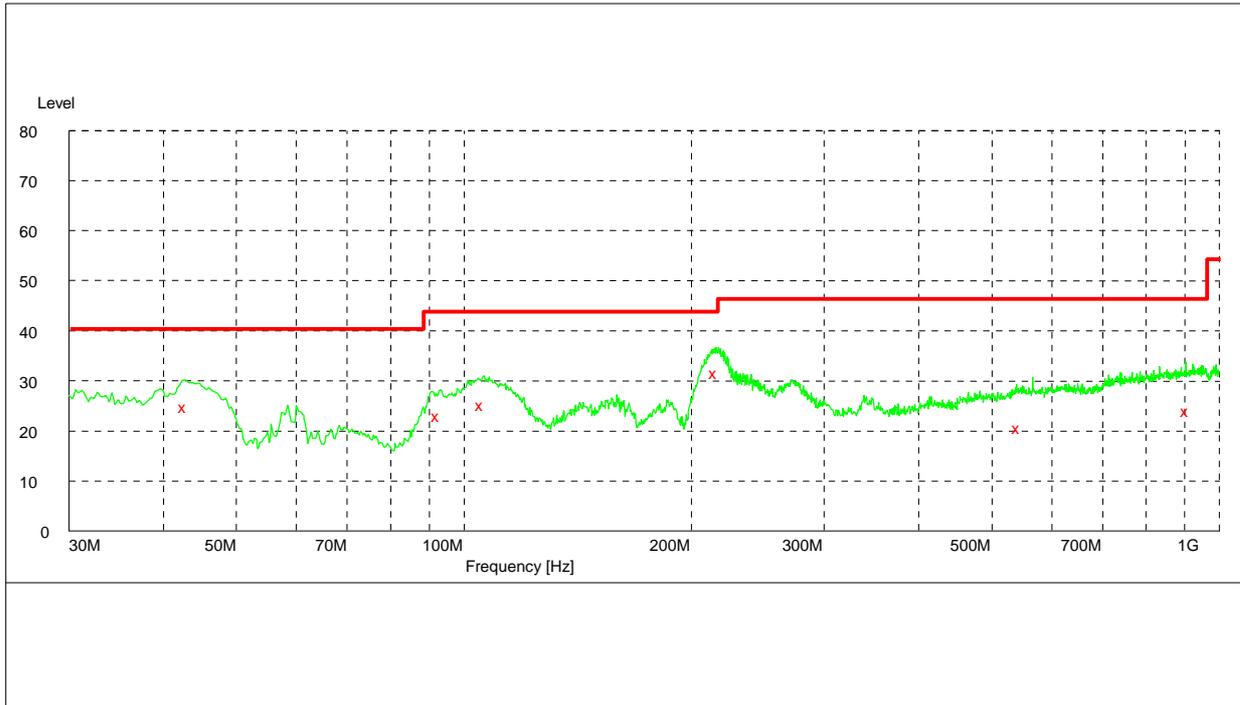
MEASUREMENT RESULT:AV DECTER

Frequency (MHz)	Level (dBµV)	Transd (dB)	Limit (dBµV)	Margin (dB)	Line	PE
0.352500	29.70	10.2	49	19.2	N	FLO
0.433500	24.50	10.0	47	22.7	N	FLO
0.865500	26.10	9.9	46	19.9	N	FLO
2.899500	22.10	10.0	46	23.9	N	FLO
5.653500	21.00	10.2	50	29.0	N	FLO
25.201500	22.40	14.7	50	27.6	L3	FLO

## Appendix G

# Radiated Emission of Enclosure in Idle Mode

According to FCC Part 15.109



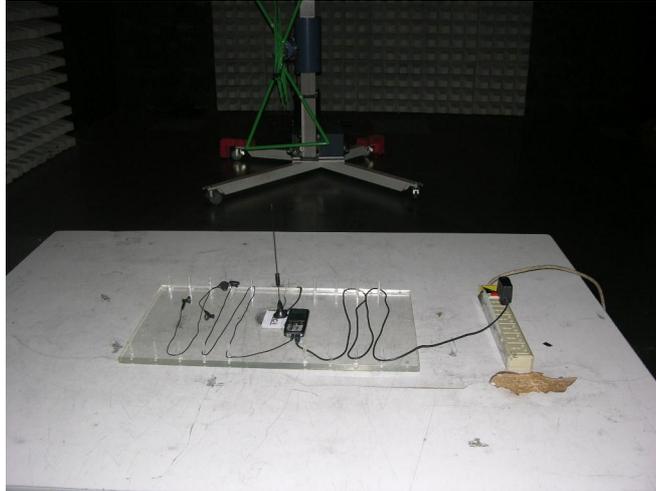
MEASUREMENT RESULT: QP DECTER

Frequency (MHz)	Level (dBμV/m)	Transd (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
42.780000	25.00	-11.1	40.0	15.0	106.0	89.00	VERTICAL
92.580000	23.20	-12.2	43.5	20.3	204.0	225.00	HORIZONTAL
105.960000	25.50	-10.1	43.5	18	400.0	358.00	HORIZONTAL
215.820000	31.70	-11.5	43.5	11.8	127.0	105.00	HORIZONTAL
543.780000	20.70	-1.9	46.0	25.3	219.0	0.00	VERTICAL
909.120000	24.30	1.3	46.0	21.7	176.0	30.00	VERTICAL

# Appendix H

## Photos of Test Setup

## 1 Radiated Emissions



Radiated Disturbance

## 2 Radiated Spurious Emissions



Radiated Spurious Emission (below 2GHz)



Radiated Spurious Emission (2GHz to18GHz)



Radiated Spurious Emission (above 18GHz)

### 3 Conducted Emissions



Conducted Emissions for AC Ports