

# Appendix A

## Effective Radiated Power of Transmitter

According to FCC Part 2.1046 & 24.232

## Channel 25

TM1:

Measurement/Instrument Screen									
Control	Maximum/Minimum Power						Call Params		
Max/Min Power Setup ▾	Maximum Power		Minimum Power				Cell 1 Power		
	25.95		-59.69				-25.00		
	dBm		dBm/1.23 MHz				dBm/1.23 MHz		
Maximum Power Setup ▾							Cell Band		
							US PCS		
Minimum Power Setup ▾							Channel		
							25		
						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 Parms	
Max/Min Power Setup ▾		Maximum Power <b>25.89</b> dBm			Minimum Power <b>-59.94</b> dBm/1.23 MHz			Cell 1 Power	
								-25.00	
								dBm/1.23 MHz	
Maximum Power Setup ▾						Cell Band			
						US PCS			
Minimum Power Setup ▾						Channel			
						25			
						Protocol Rev			
						6 (IS-2000-0)			
						Radio Config			
						(Fud3, Rvs3)			
						S055 (Loopback)			
						FCH Service Option Setup			
		Active Cell			Sys Type: IS-2000				
		Connected			Logging: No Conn.				
1 of 2					IntRef	Offset			1 of 4

## Channel 600

TM1:

Measurement/Instrument Screen									
Control		Maximum/Minimum Power						Call Params	
Max/Min Power Setup	▼	Maximum Power		Minimum Power				Cell 1 Power	
		25.51		-59.25				-25.00	
		dBm		dBm/1.23 MHz				dBm/1.23 MHz	
Maximum Power Setup	▼							Cell Band	
								US PCS	
Minimum Power Setup	▼							Channel	
								600	
						Single	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 Params	
Max/Min Power Setup	▼	Maximum Power		Minimum Power				Cell 1 Power	
		25.95		-59.39				-25.00	
		dBm		dBm/1.23 MHz				Cell Band	
Maximum Power Setup	▼							US PCS	
								Channel	
Minimum Power Setup	▼							600	
								Protocol Rev	
								6 (IS-2000-0)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup	
				Active Cell		Sys Type: IS-2000			
				Connected		Logging: No Conn.			
1 of 2				IntRef	Offset				1 of 4

## Channel 1175

TM1:

Measurement/Instrument Screen									
Control	Maximum/Minimum Power						Call Params		
Max/Min Power Setup ▾	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Maximum Power</p> <p><b>25.75</b></p> <p>dBm</p> </div> <div style="text-align: center;"> <p>Minimum Power</p> <p><b>-60.74</b></p> <p>dBm/1.23 MHz</p> </div> </div>						Cell 1 Power		
Maximum Power Setup ▾							-25.00		
Minimum Power Setup ▾							dBm/1.23 MHz		
	Single						Cell Band		
							US PCS		
							Channel		
							1175		
							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:

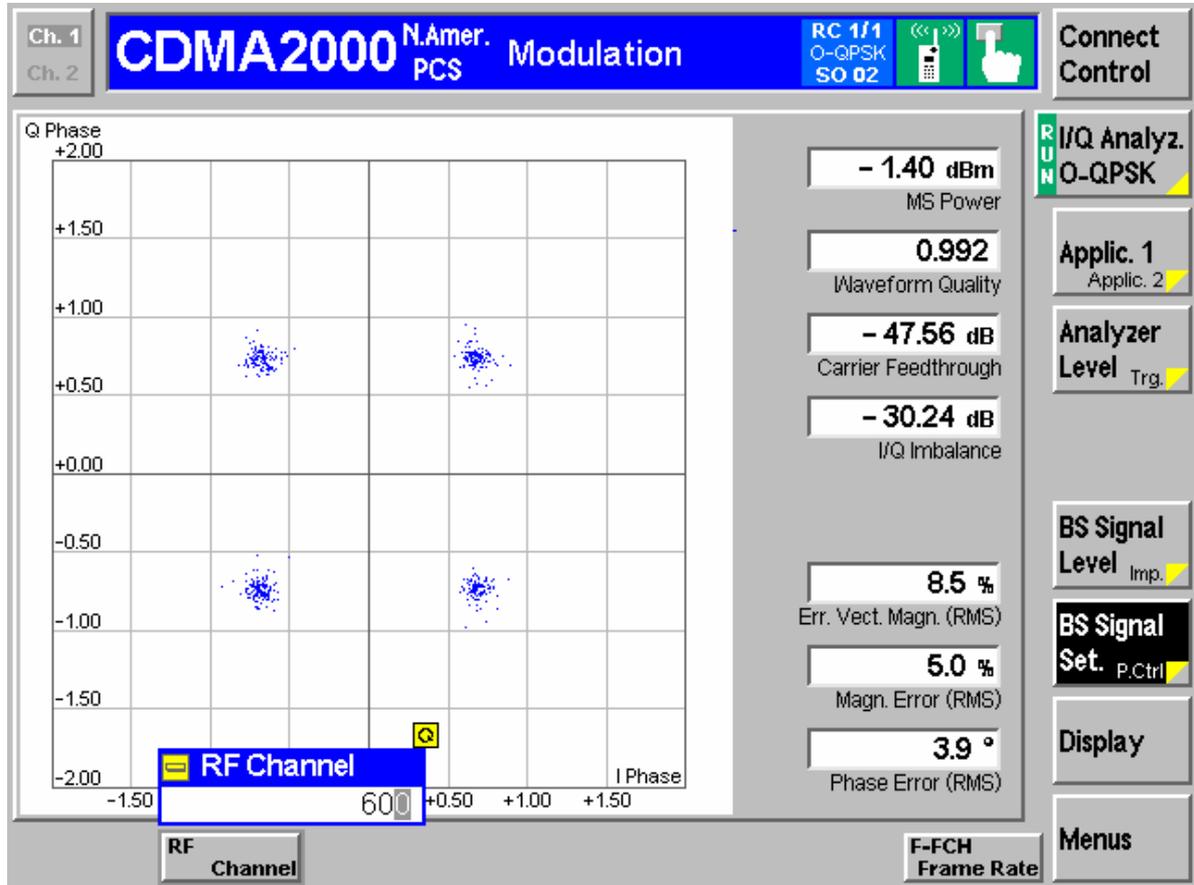
Measurement/Instrument Screen									
Control		Maximum/Minimum Power						Call Parms	
Max/Min Power Setup ▾		Maximum Power <b>25.62</b> dBm			Minimum Power <b>-62.76</b> dBm/1.23 MHz			Cell 1 Power	
								-25.00	
Maximum Power Setup ▾								dBm/1.23 MHz	
Minimum Power Setup ▾		Single						Cell Band	
								US PCS	
								Channel	
								1175	
								Protocol Rev	
								6 (IS-2000-0)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
		Active Cell			Sys Type: IS-2000				
		Connected			Logging: No Conn.				
1 of 2					IntRef	Offset			1 of 4

## Appendix B

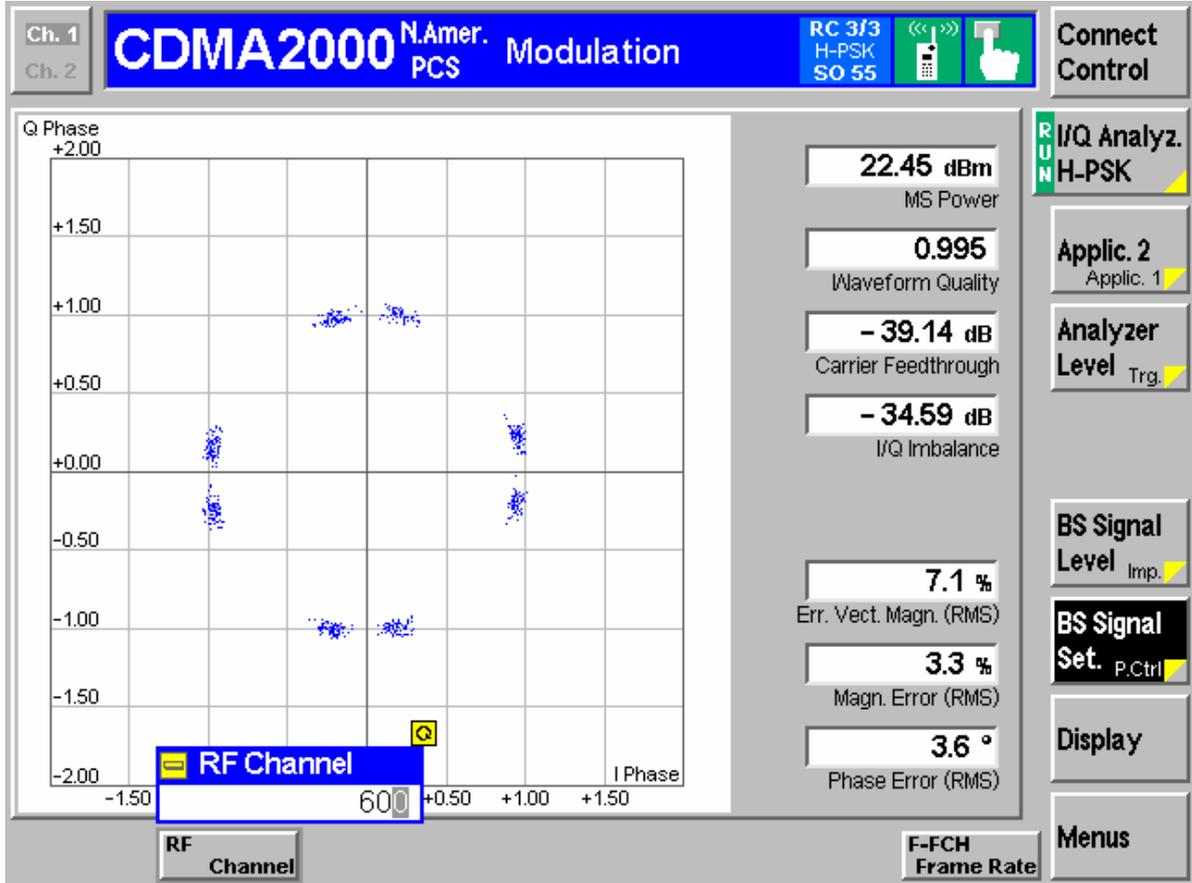
### Modulation Characteristics

According to FCC Part 2.1047& Part 24 Subpart E

### Channel 600 (TM1)



### Channel 600 (TM3)

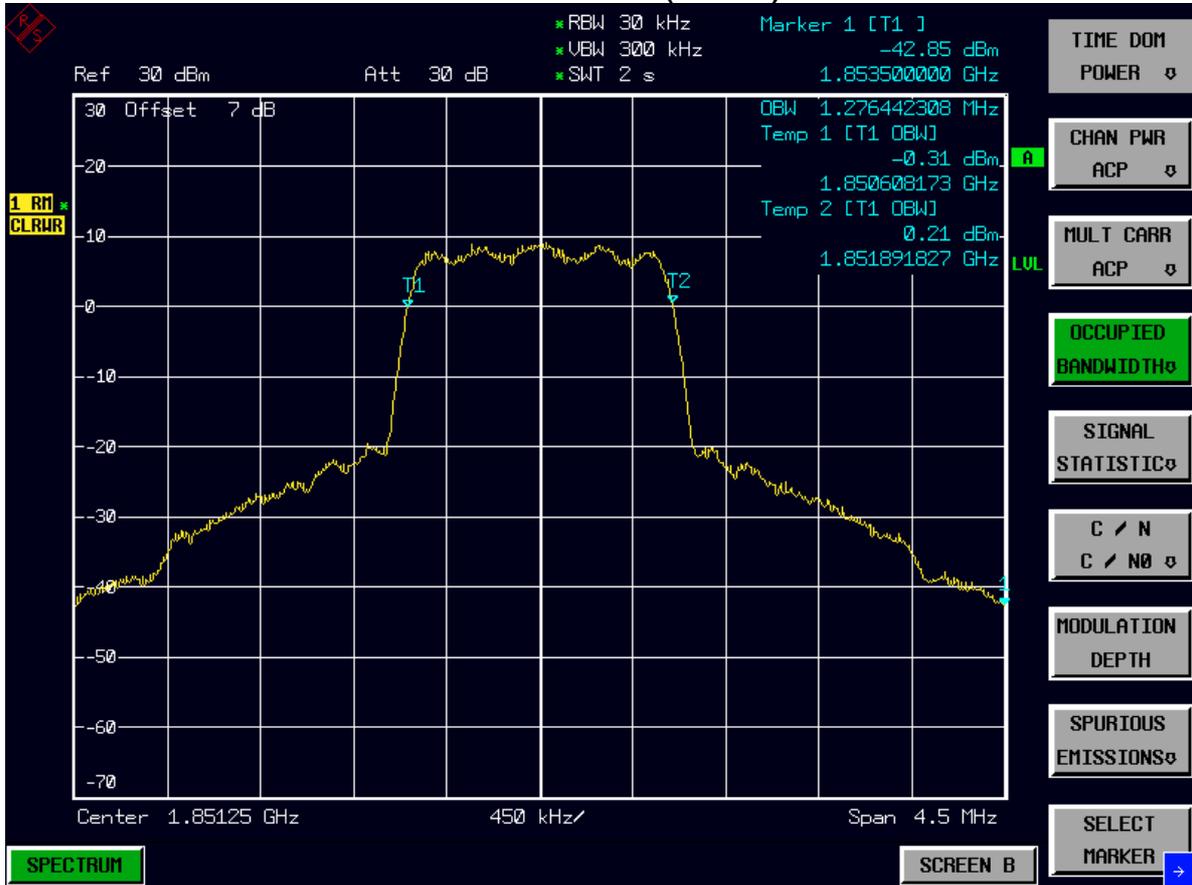


## Appendix C

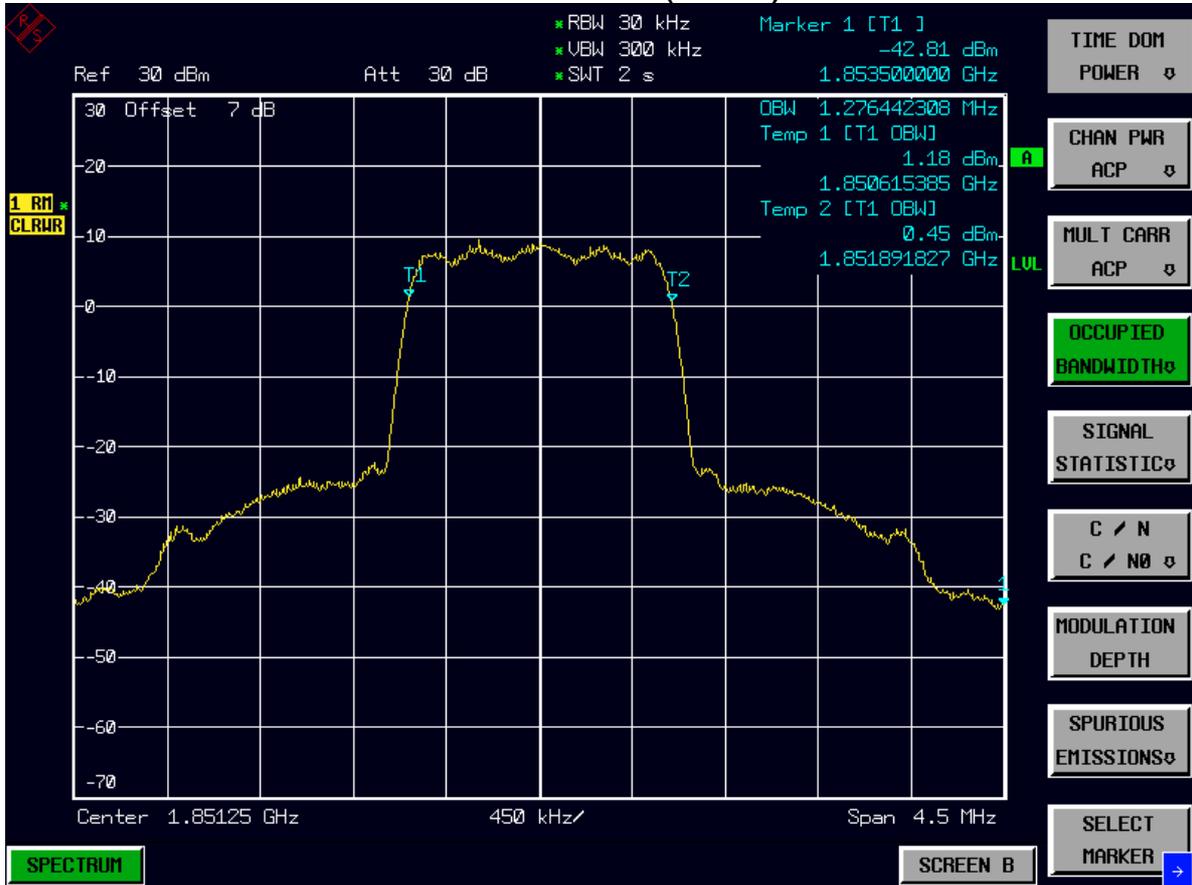
### Occupied Bandwidth

According to FCC part 2.1049 & Part 24 Subpart E

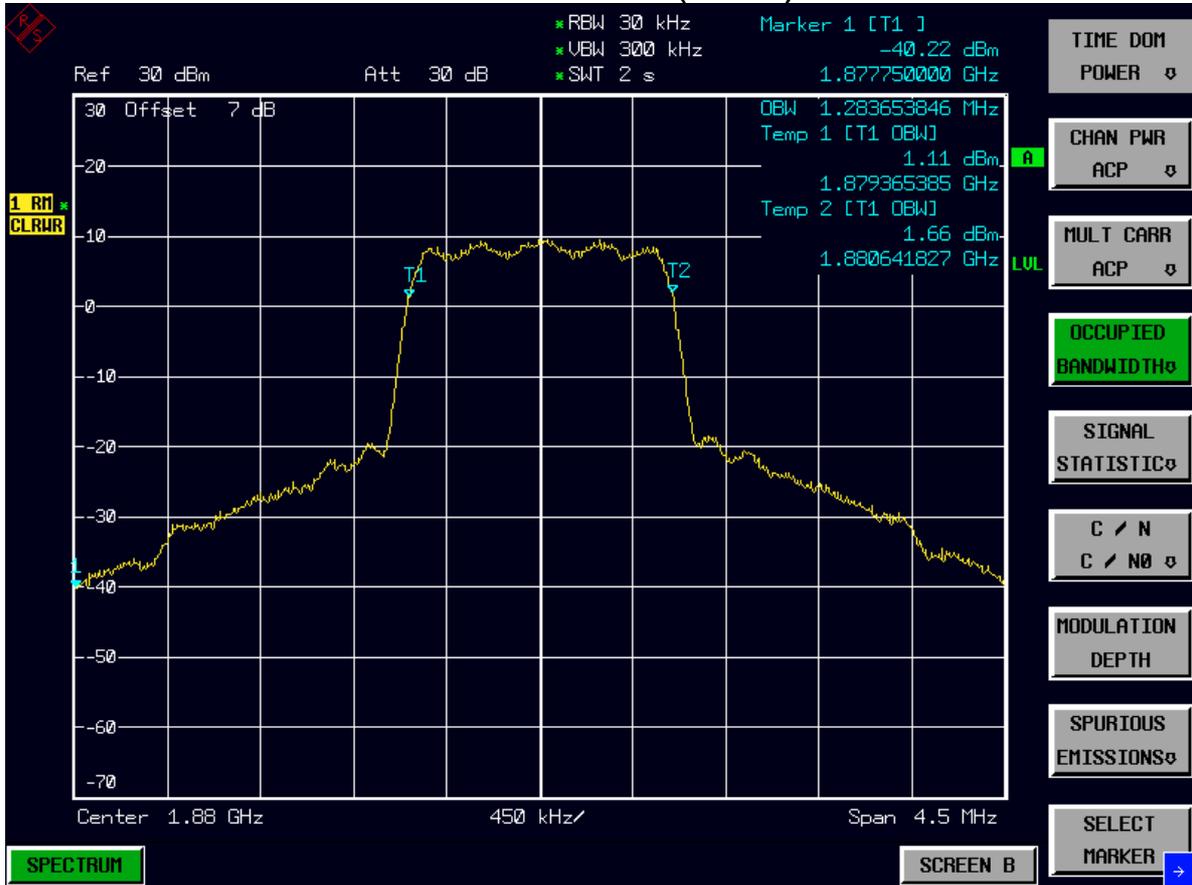
### Channel 25(TM1)



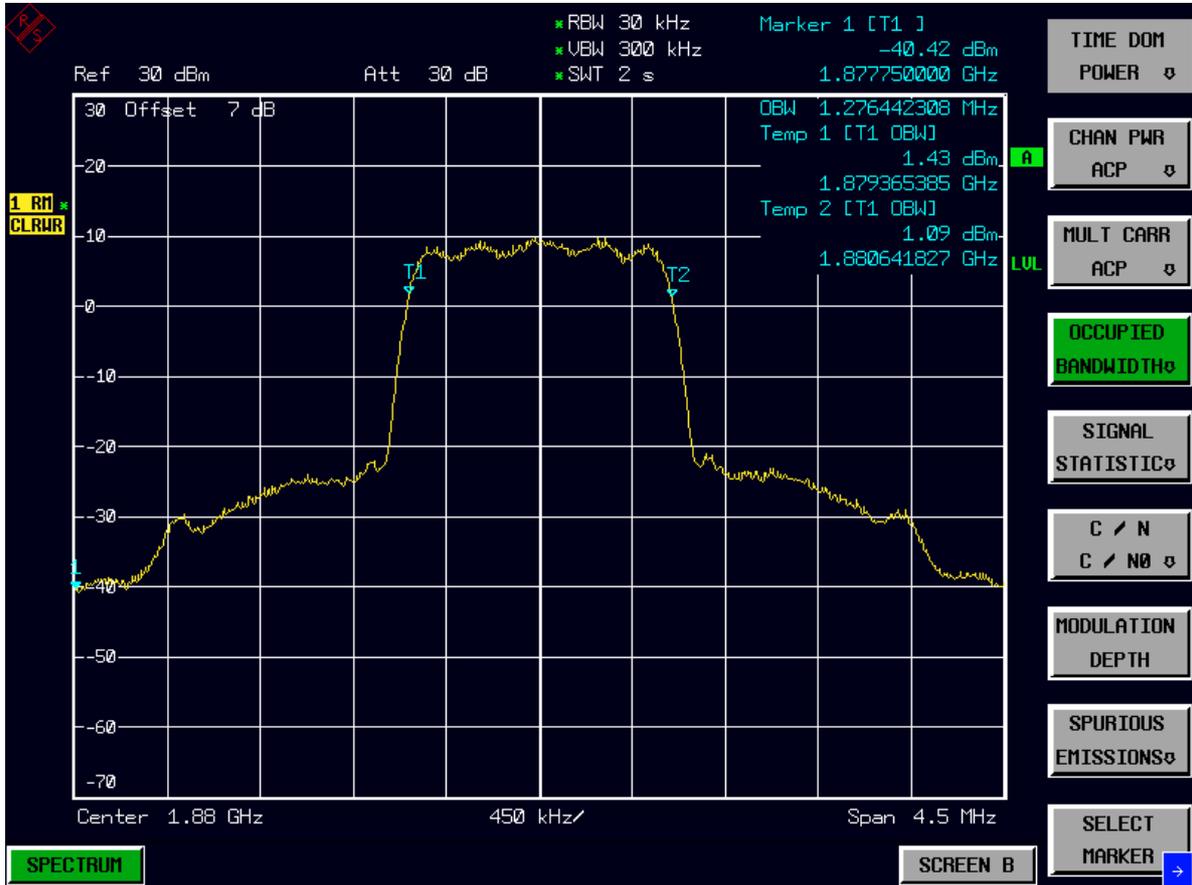
### Channel 25(TM3)



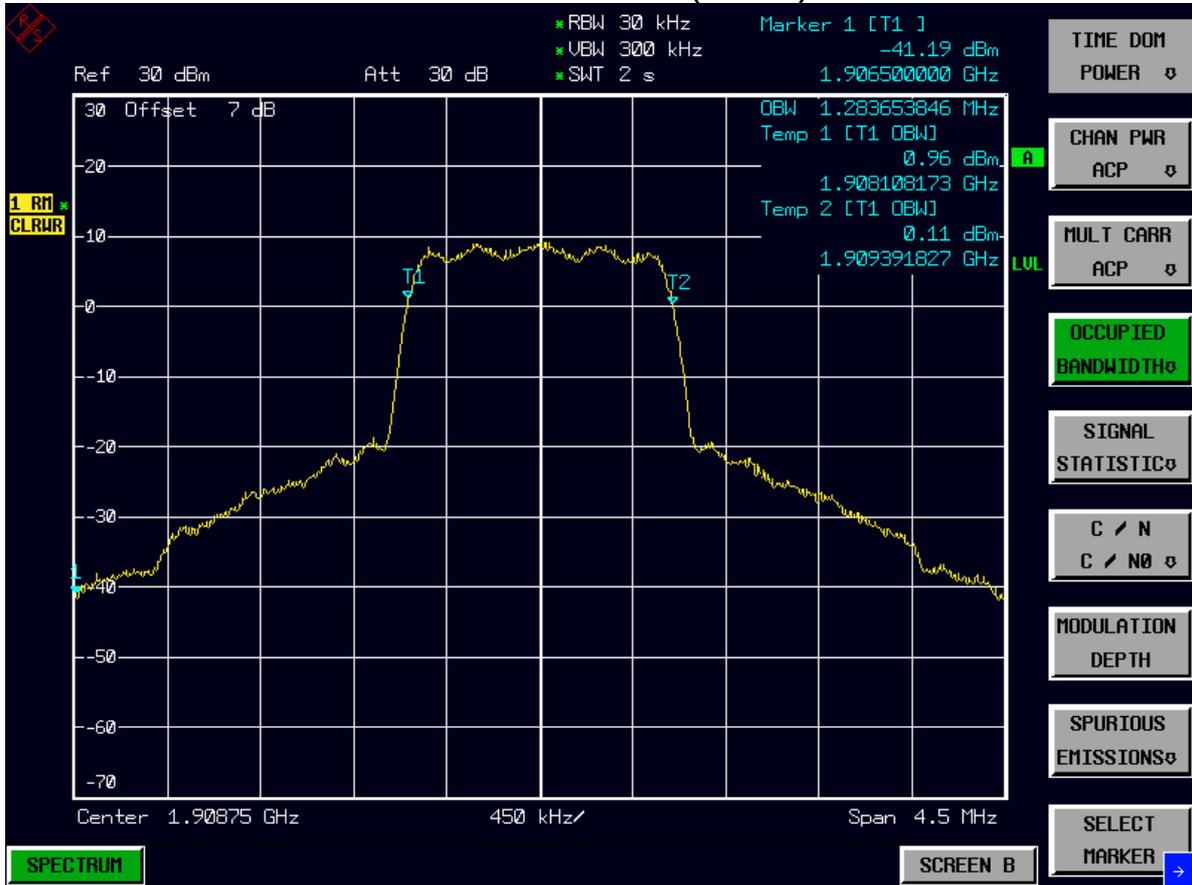
### Channel 600(TM1)



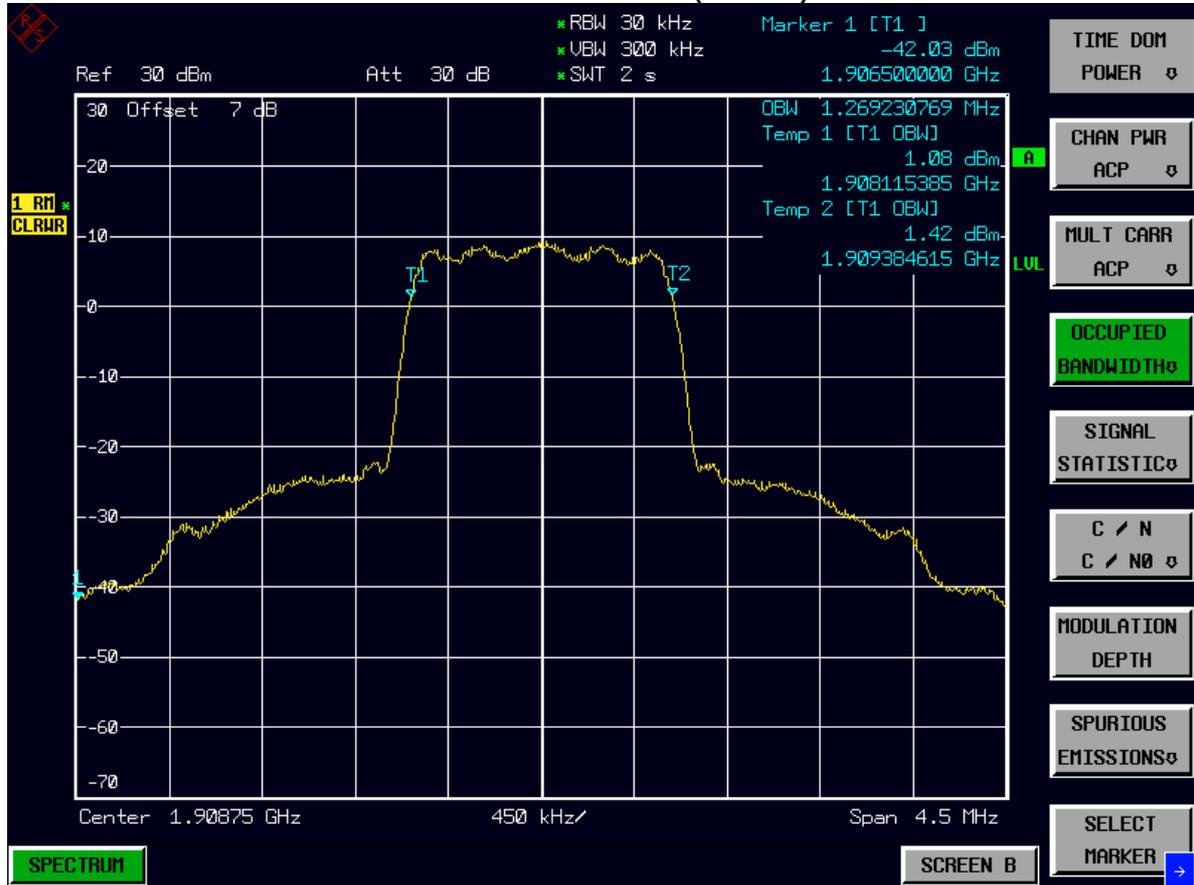
# Channel 600(TM3)



### Channel 1175(TM1)



### Channel 1175(TM3)

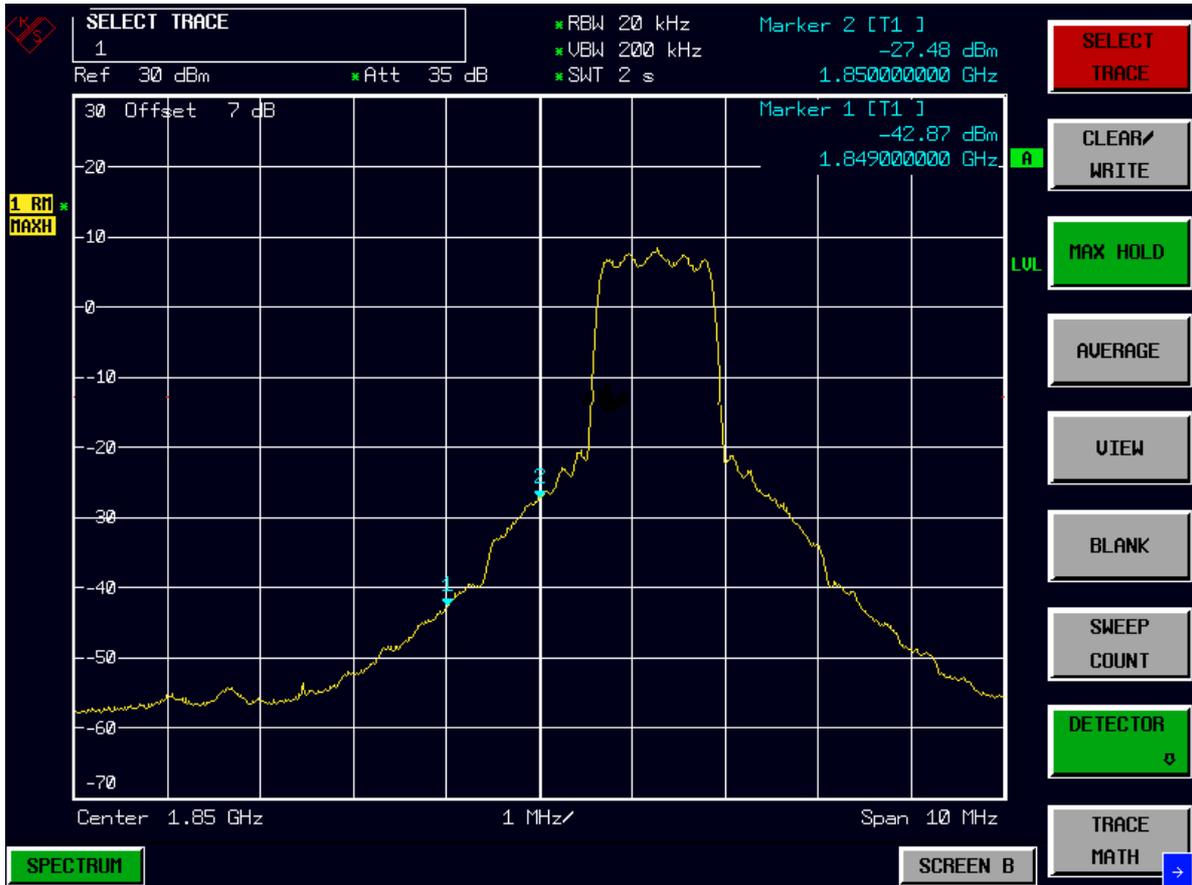


## Appendix D

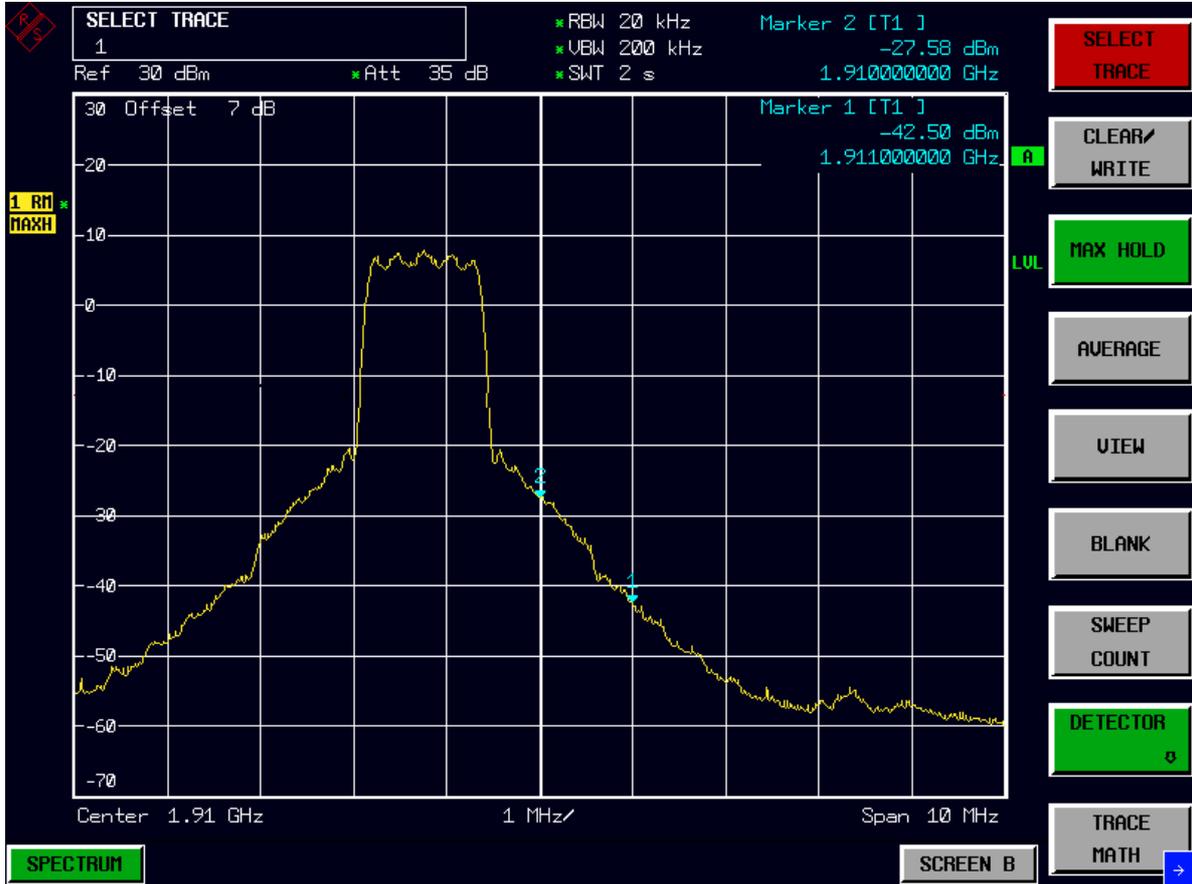
### Band Edges Compliance According to FCC Part 2.1051 & 24.238

TM1

Left Edge (1850 MHz)  
Channel 25

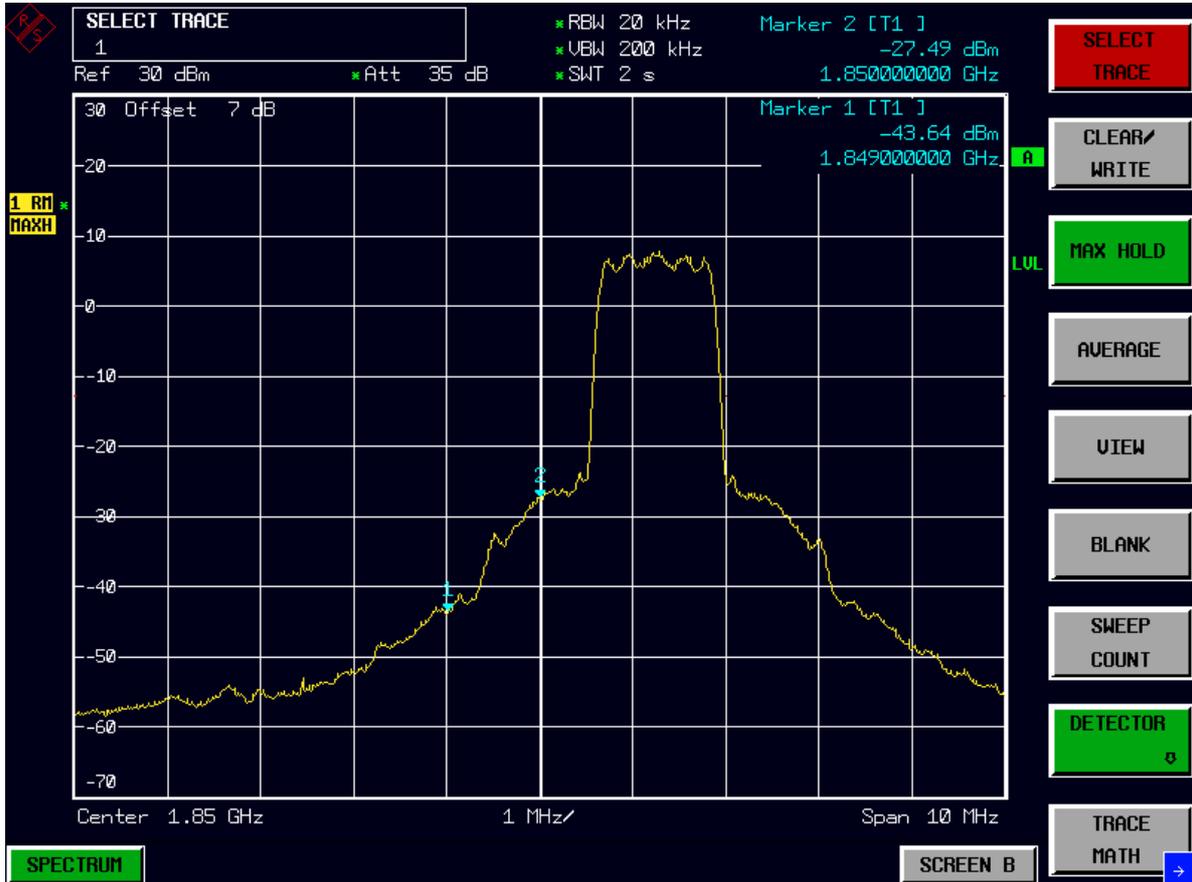


### Right Edge (1910MHz) Channel 1175

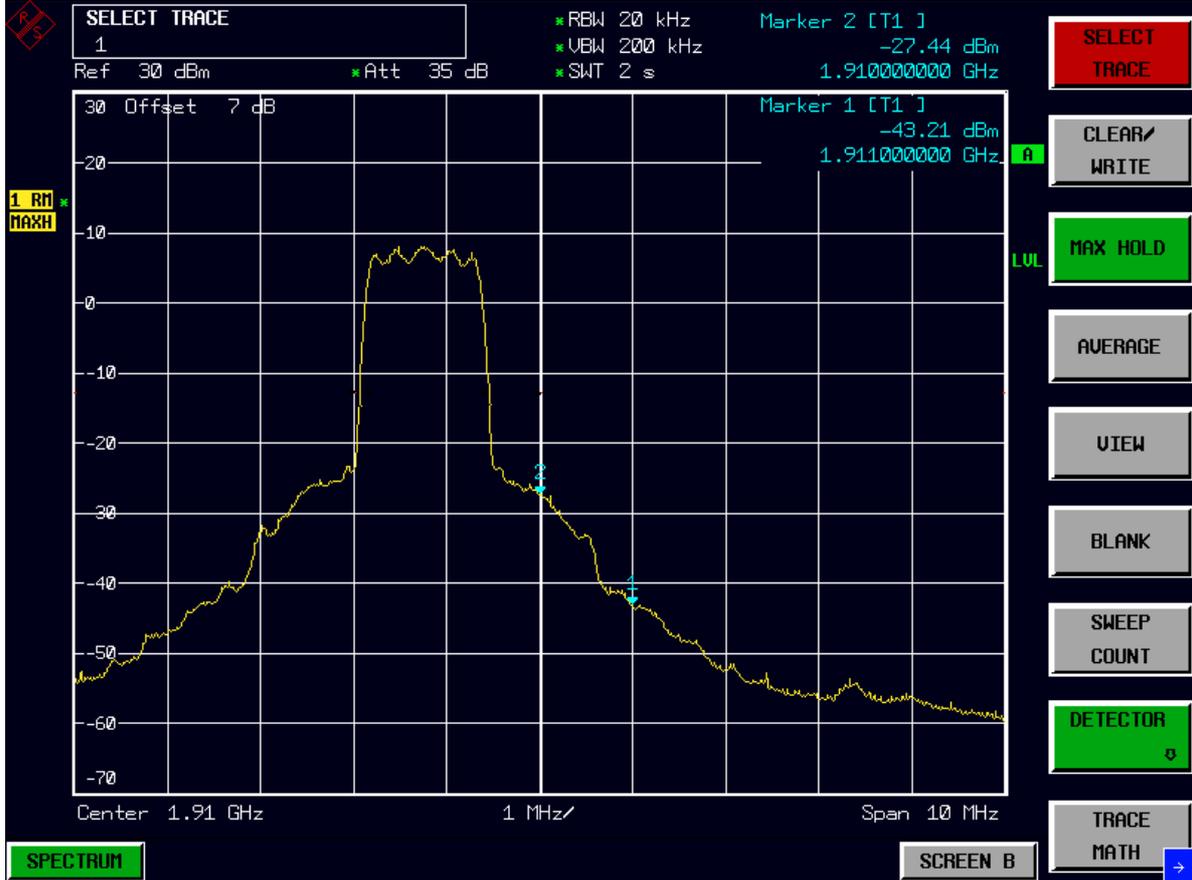


TM3

Left Edge (1850 MHz)  
Channel 25



### Right Edge (1910MHz) Channel 1175



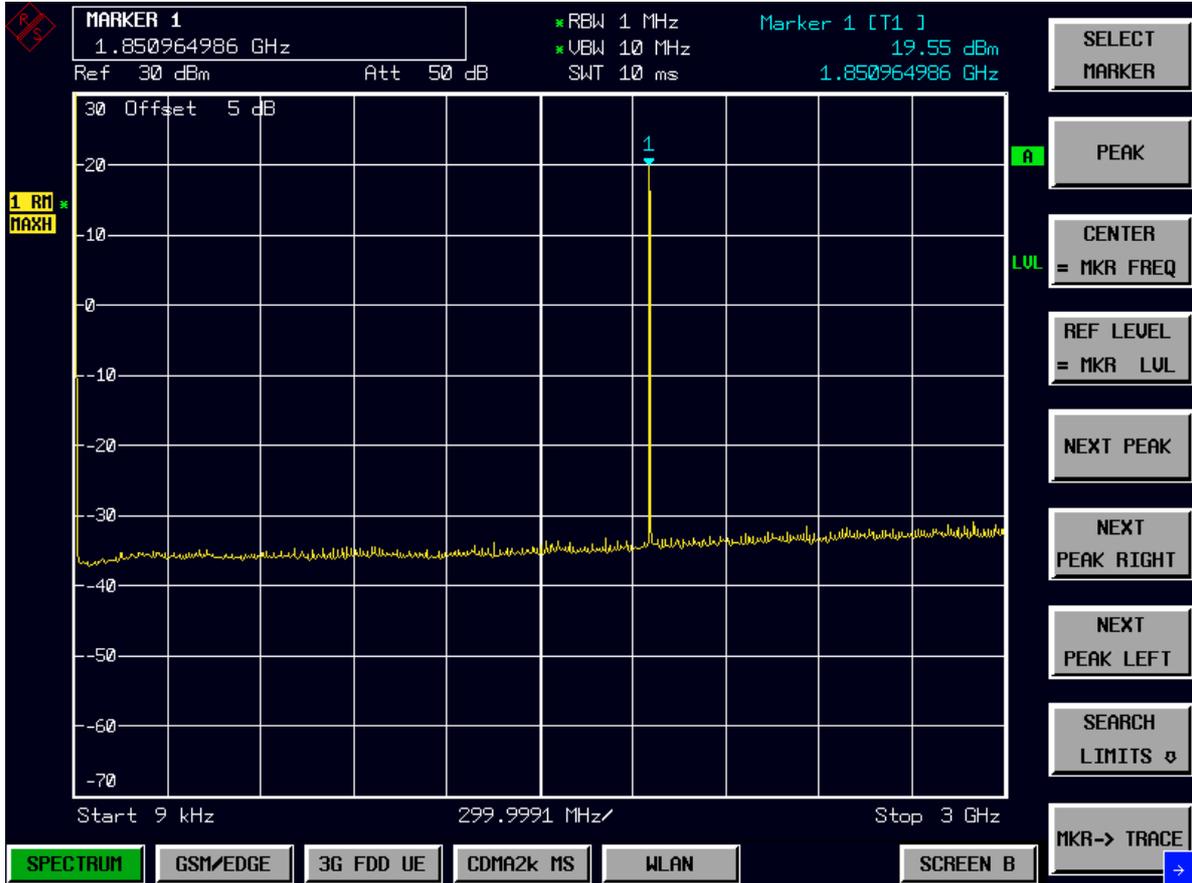
# Appendix E

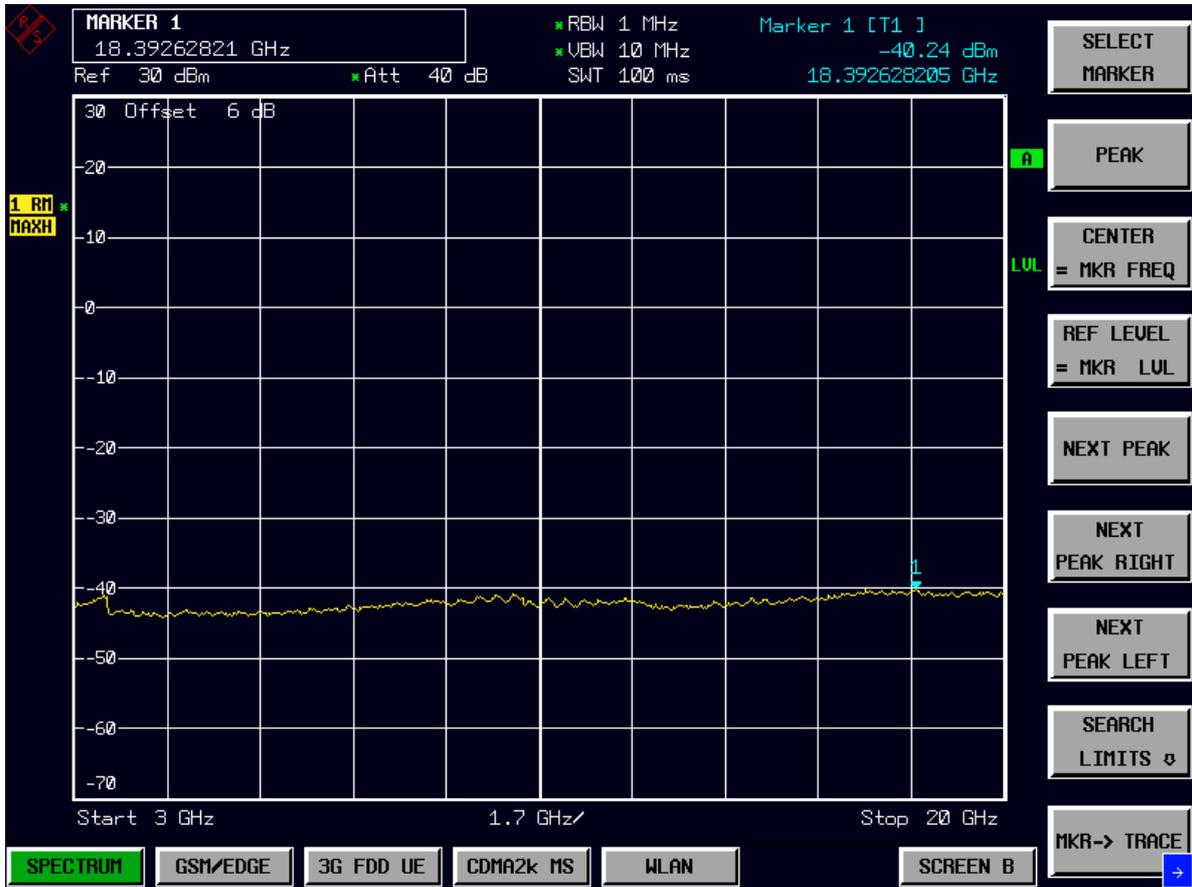
## Spurious Emission at Antenna Terminal

According to FCC Part 2.1051 & 24.238

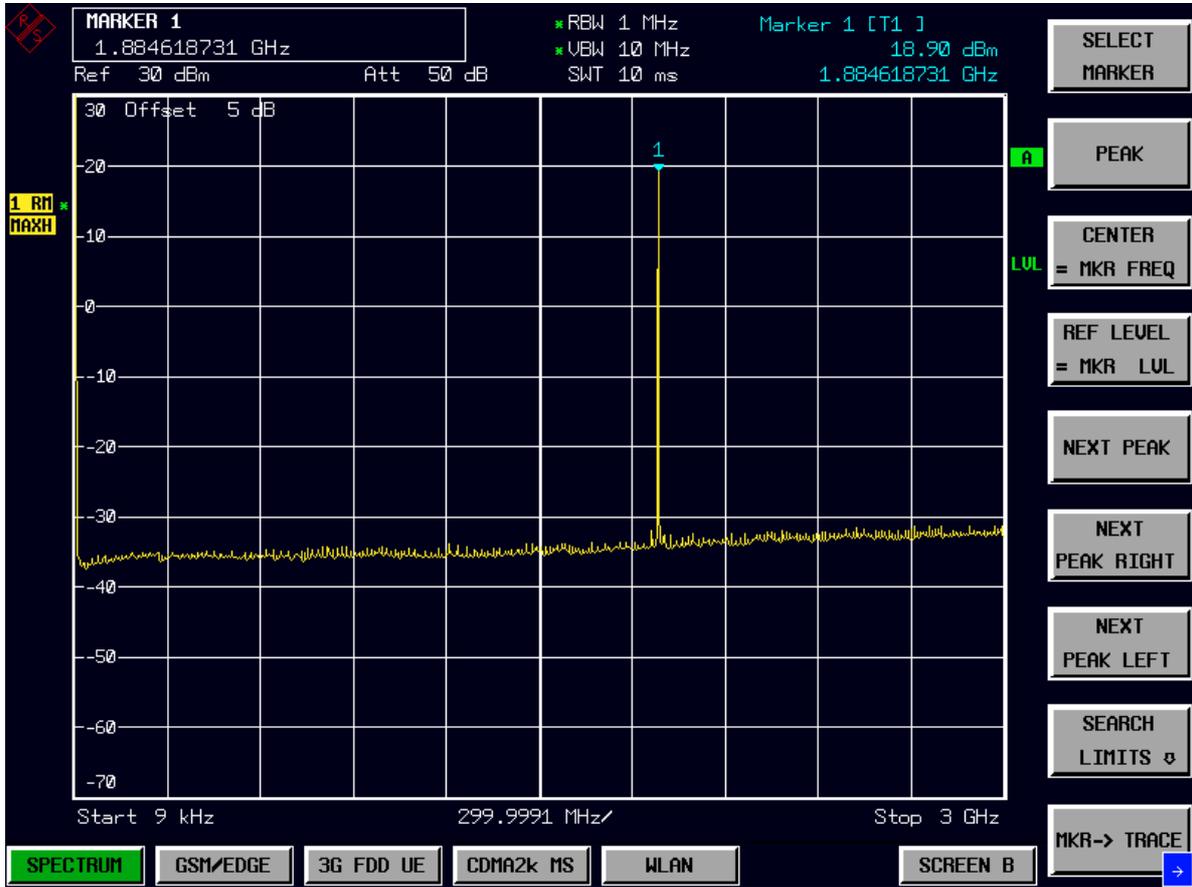
### 1.1 TM1

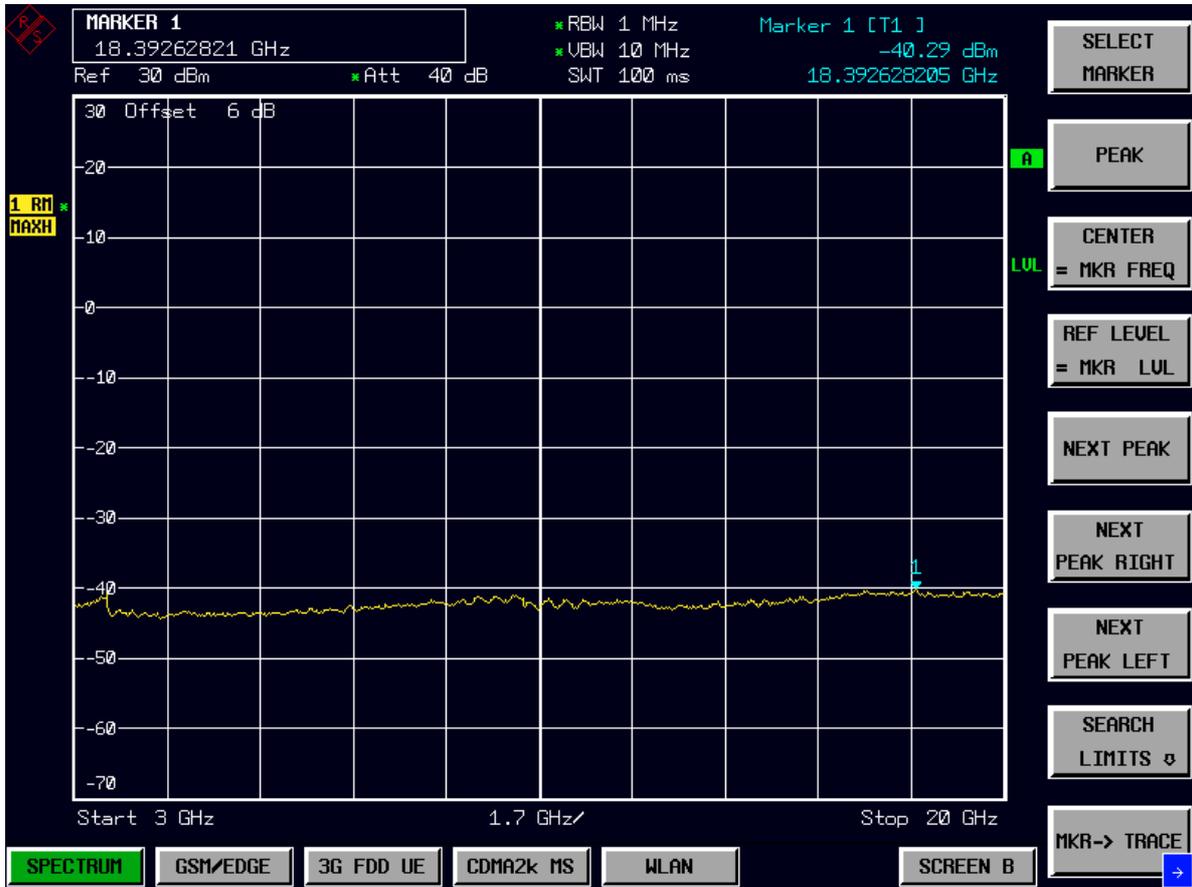
### Channel 25



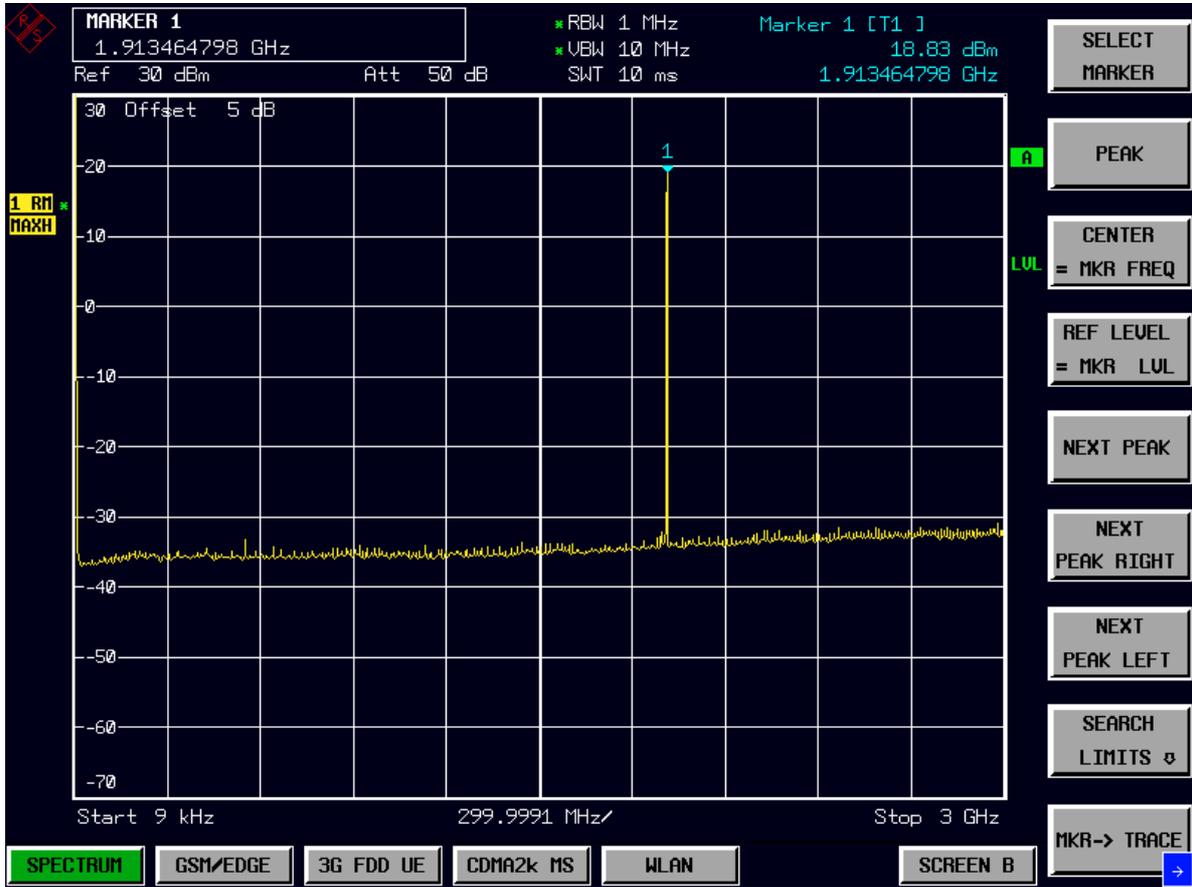


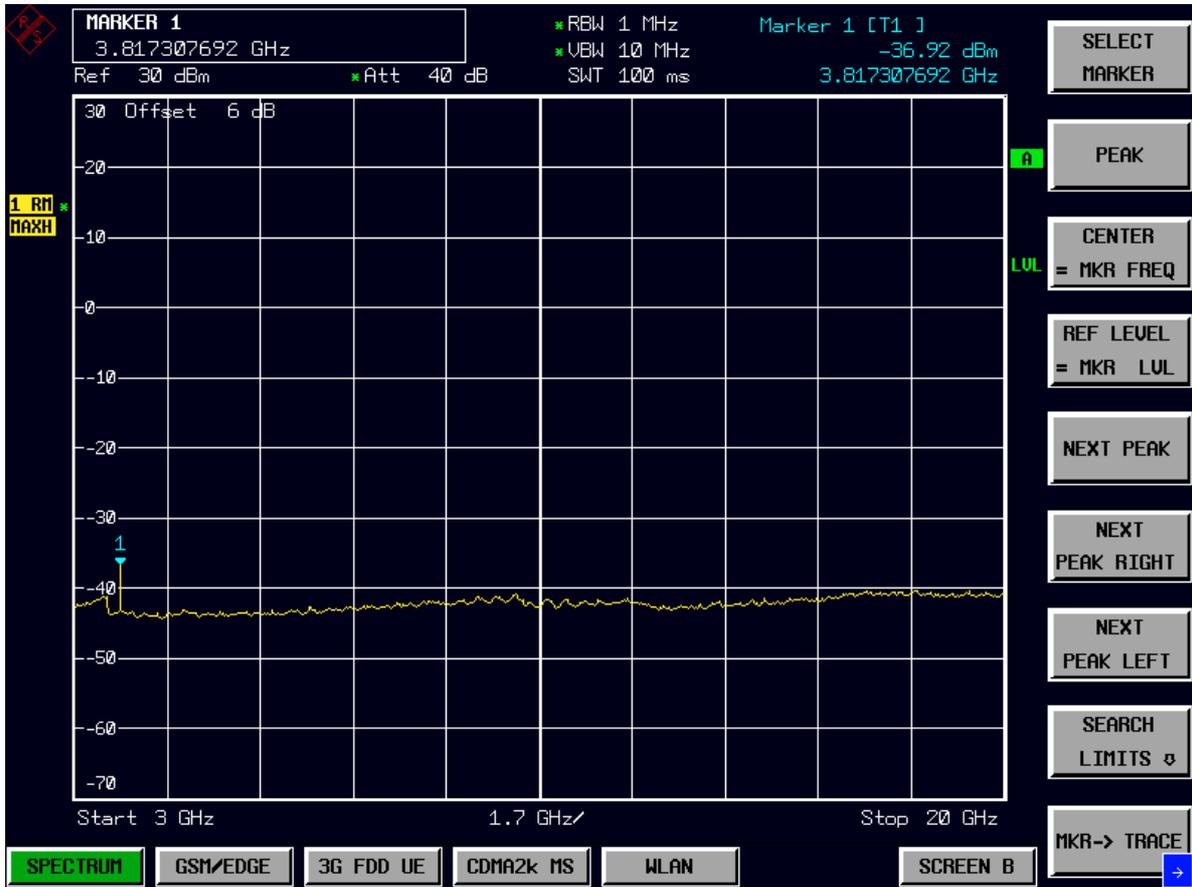
### Channel 600





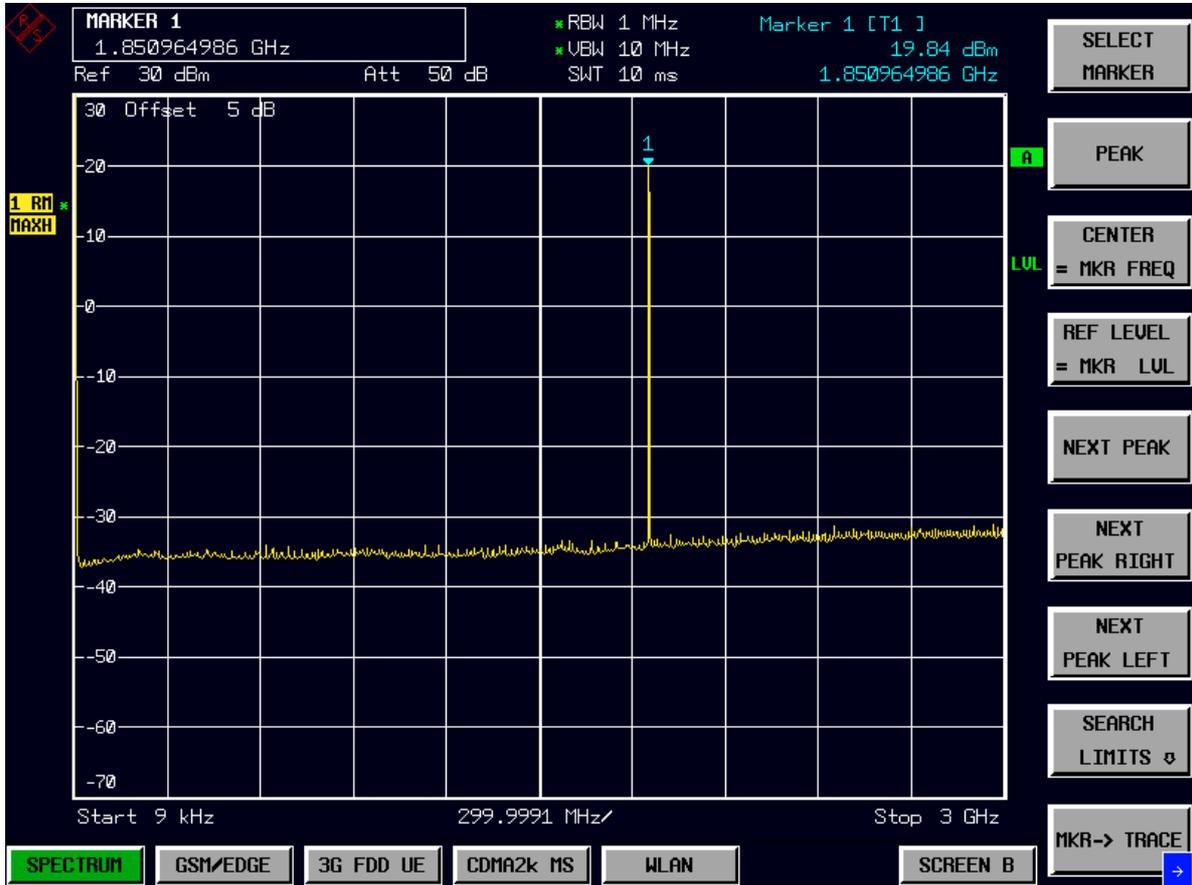
### Channel 1175

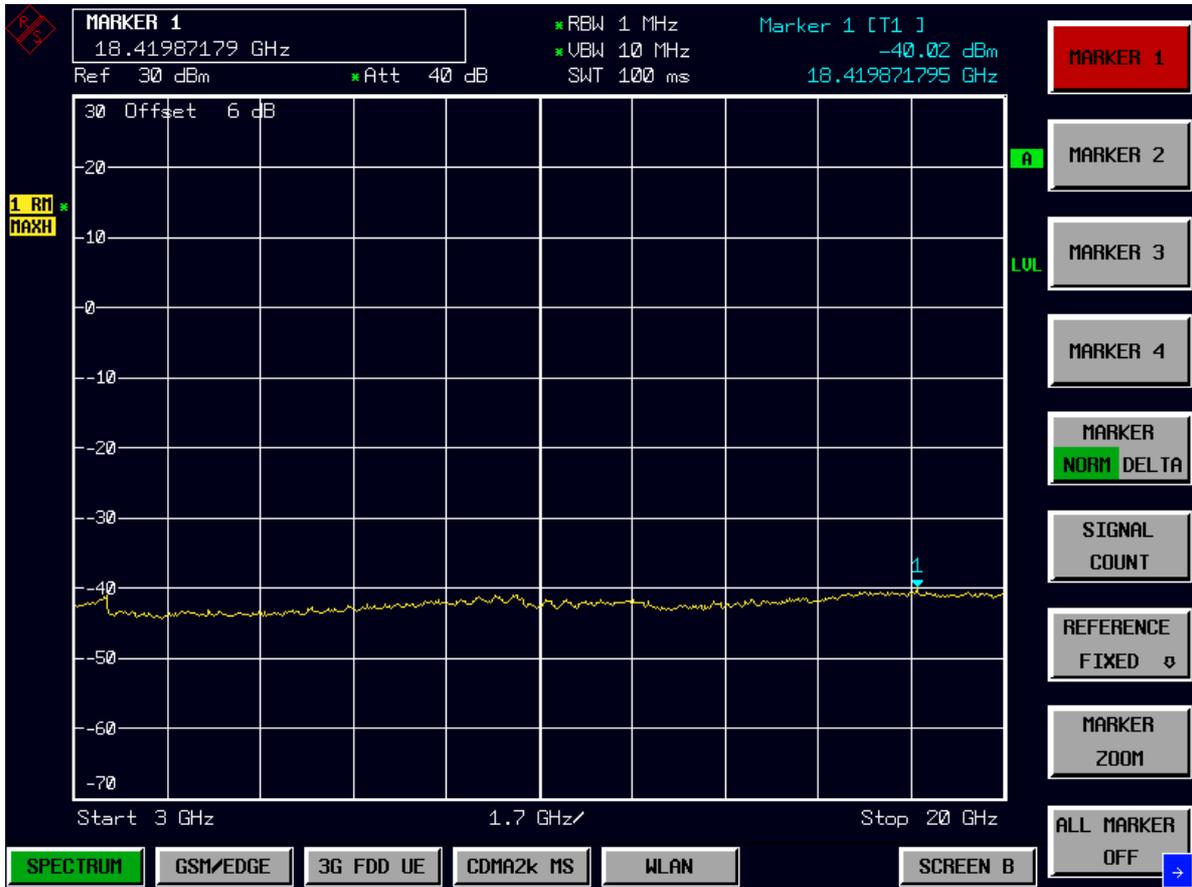




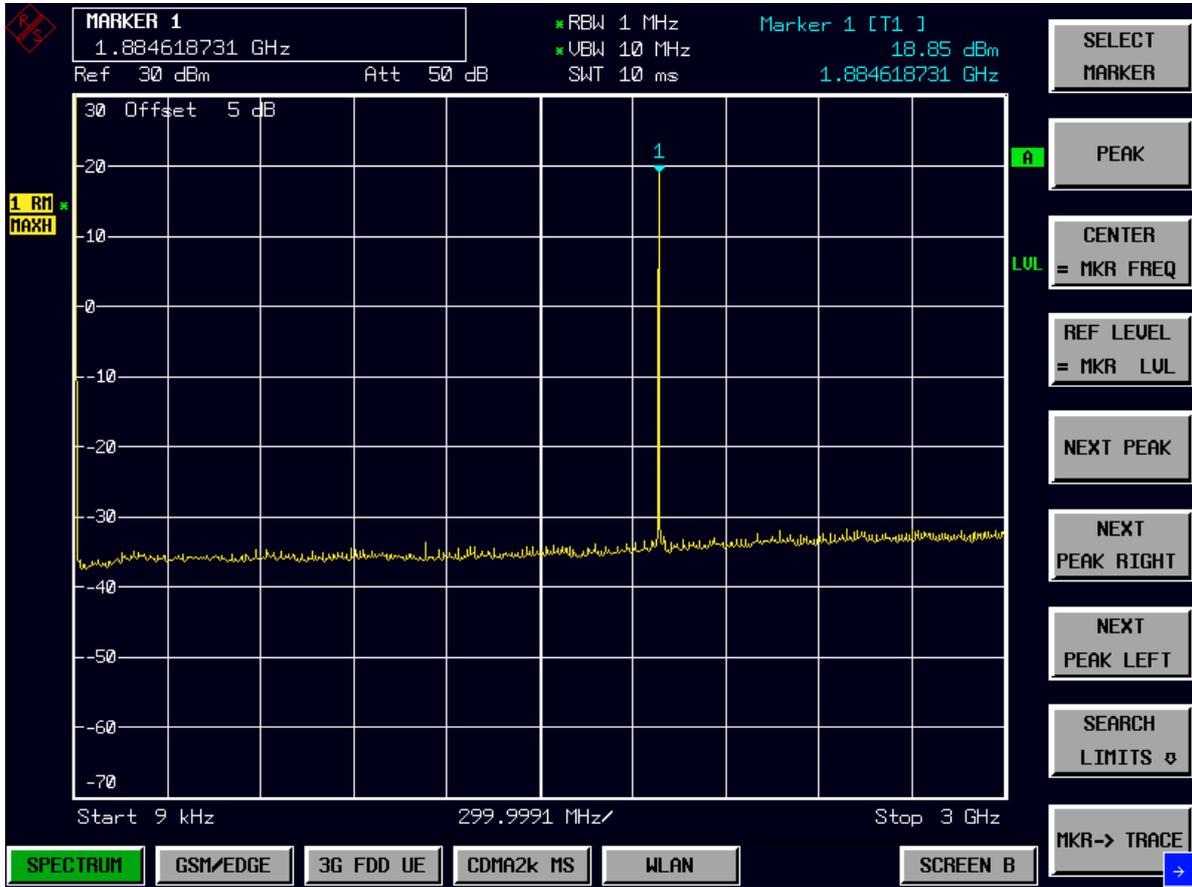
# TM3

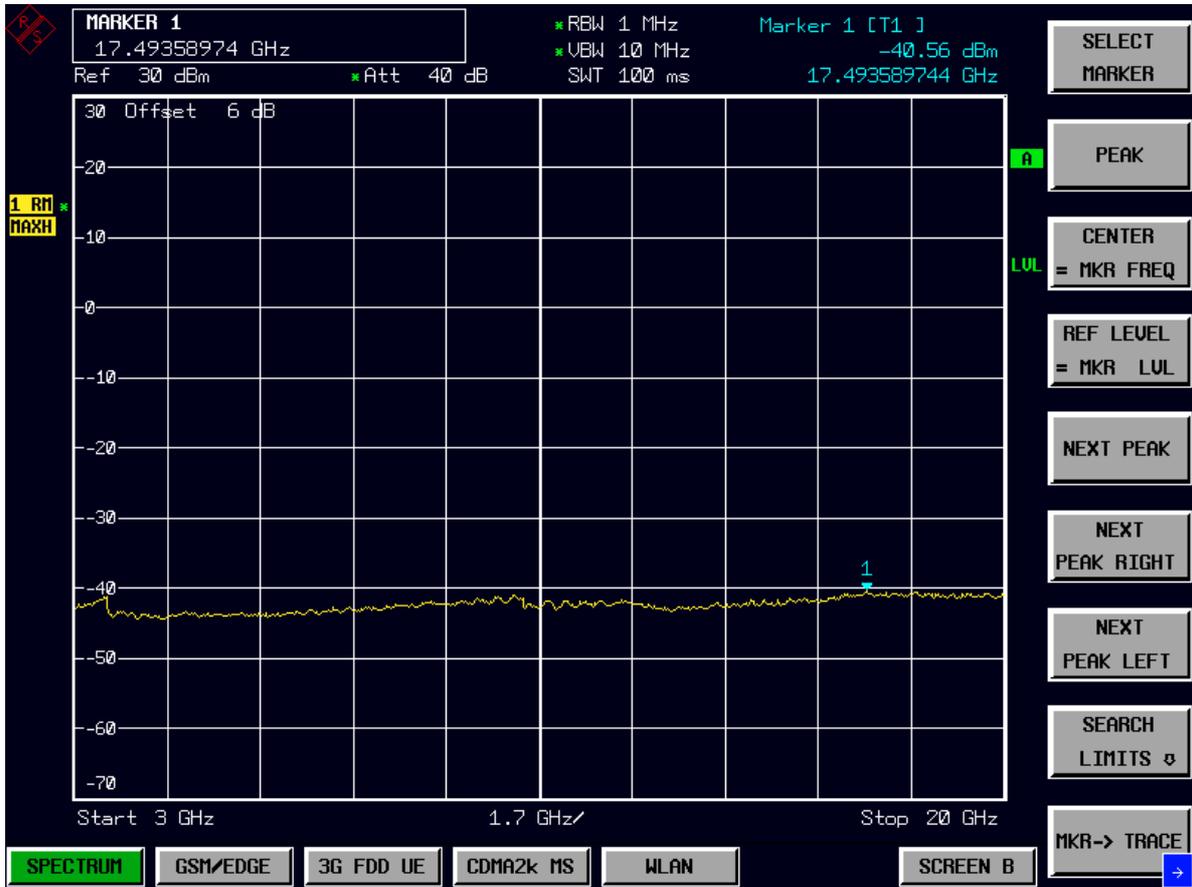
## Channel 25



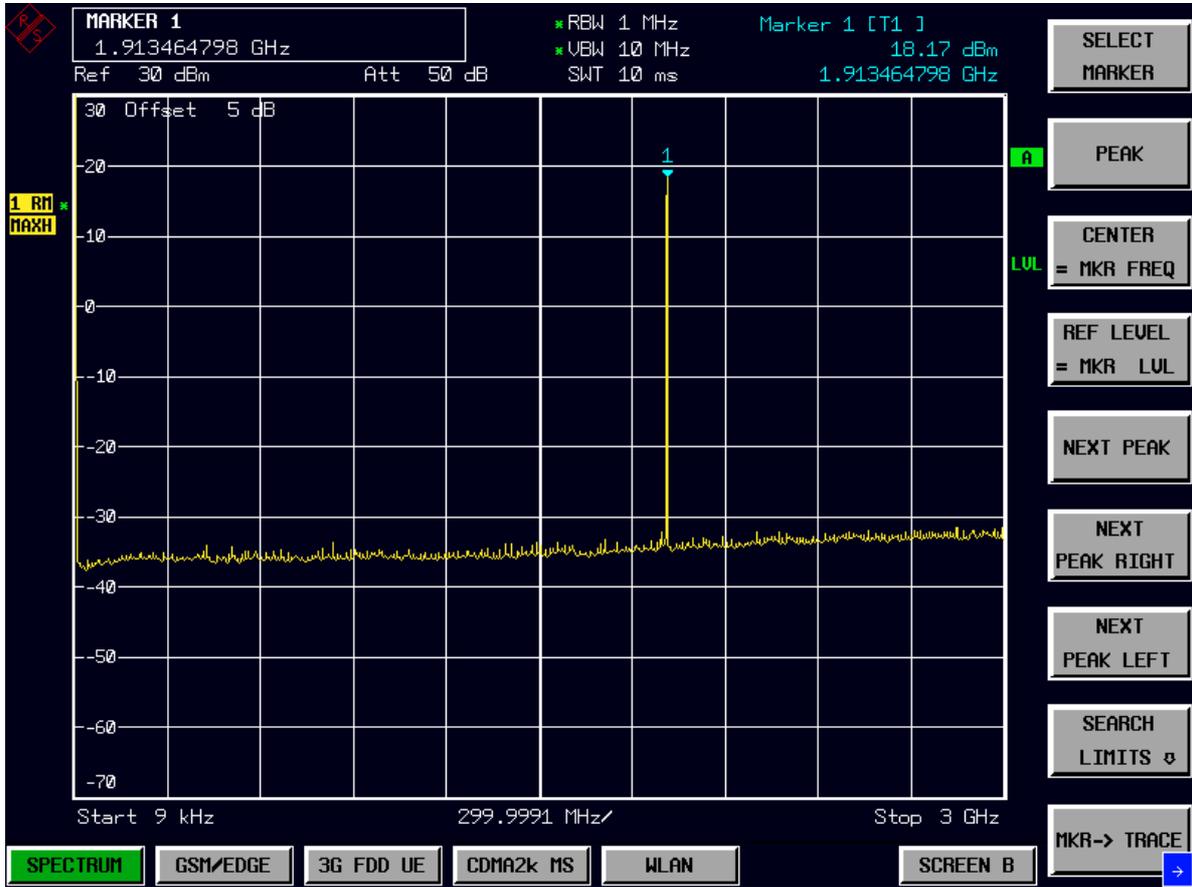


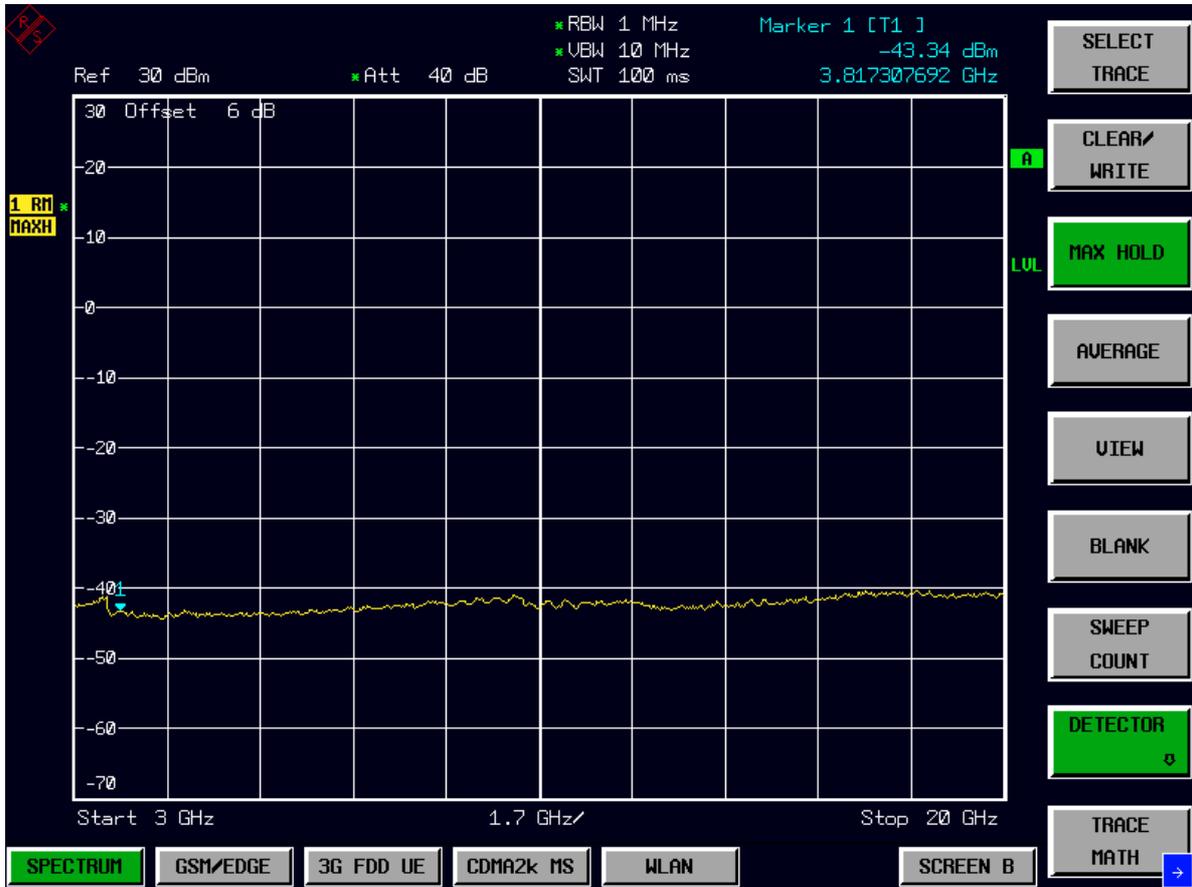
### Channel 600





### Channel 1175





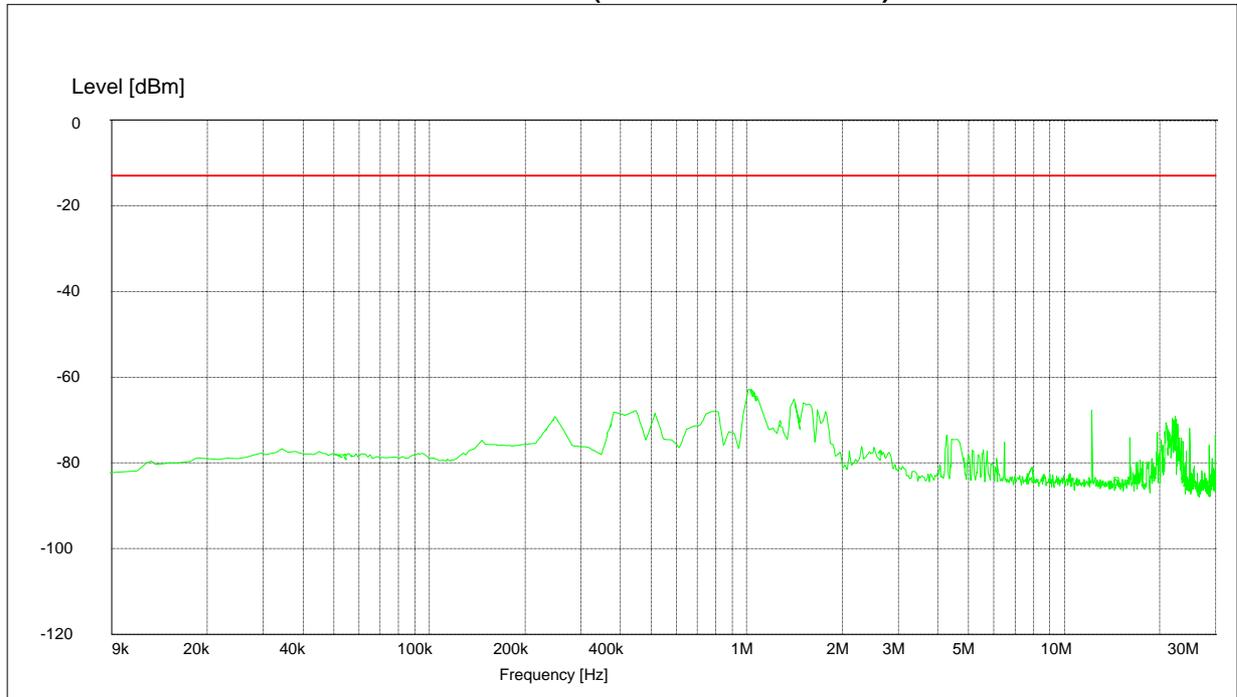
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## Appendix F

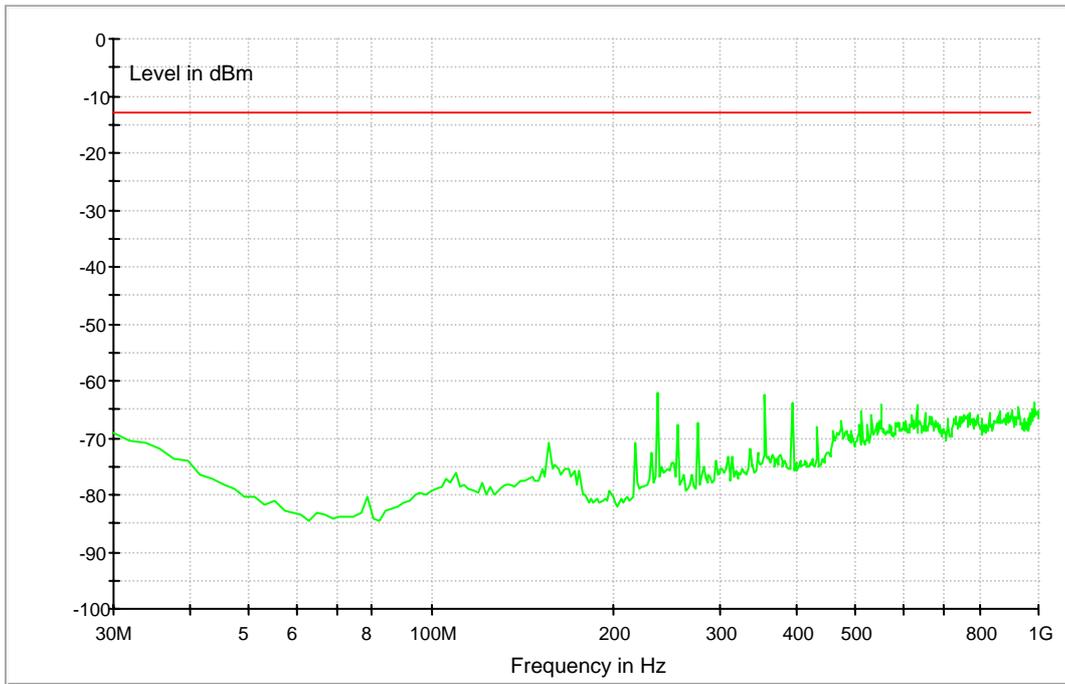
# Radiated Spurious Emission

According to FCC Part 2.1053 & 24.238

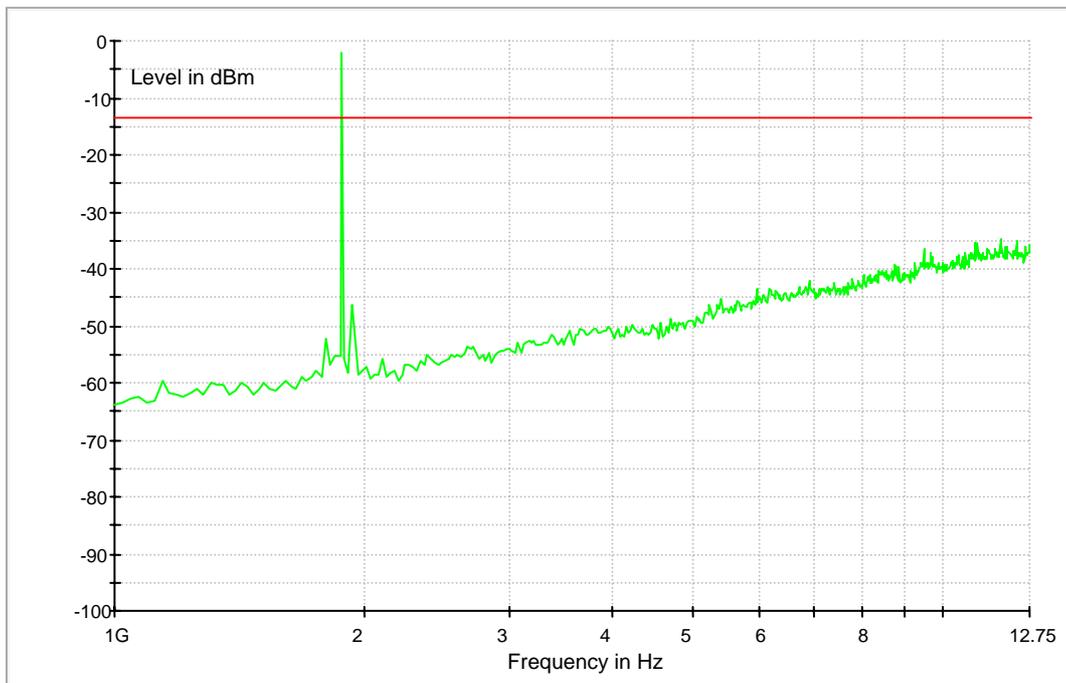
### Traffic Mode (9kHz-30MHz)



### Traffic Mode (30MHz-1GHz)

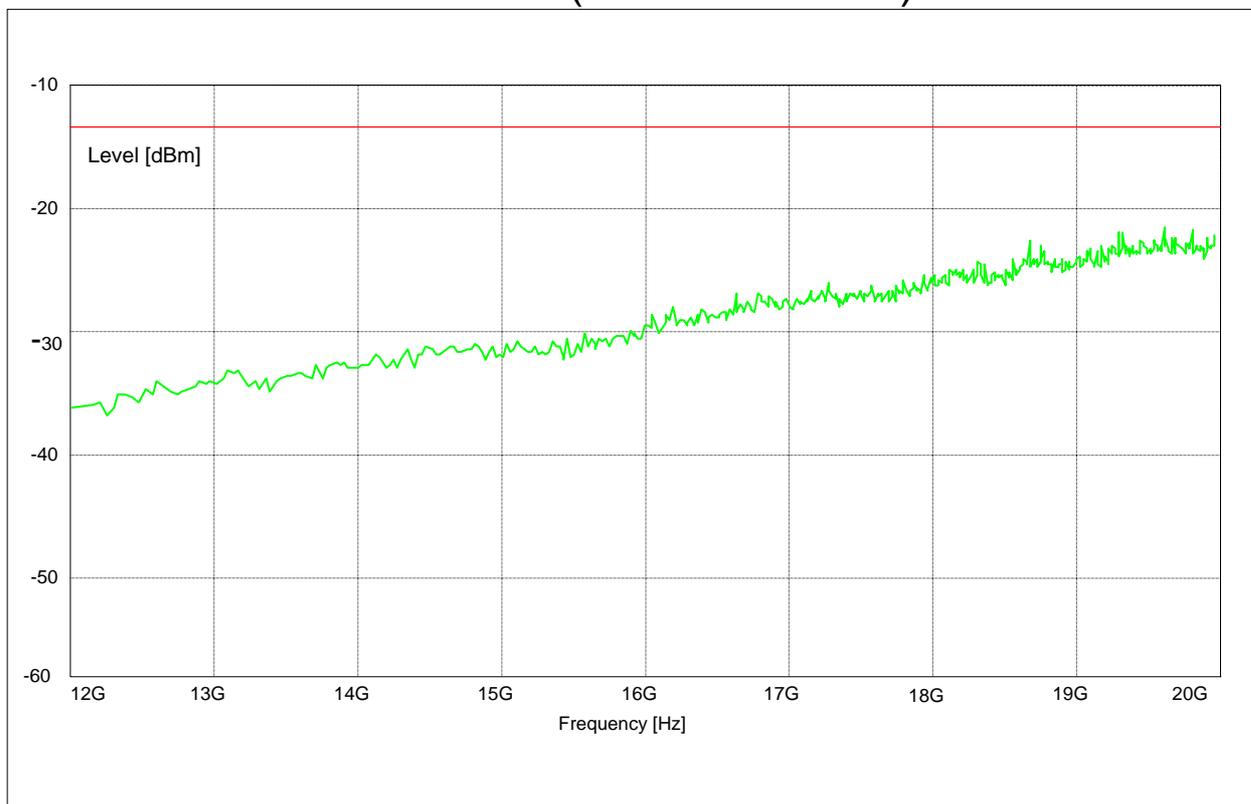


### Traffic Mode (1GHz-12.75GHz)

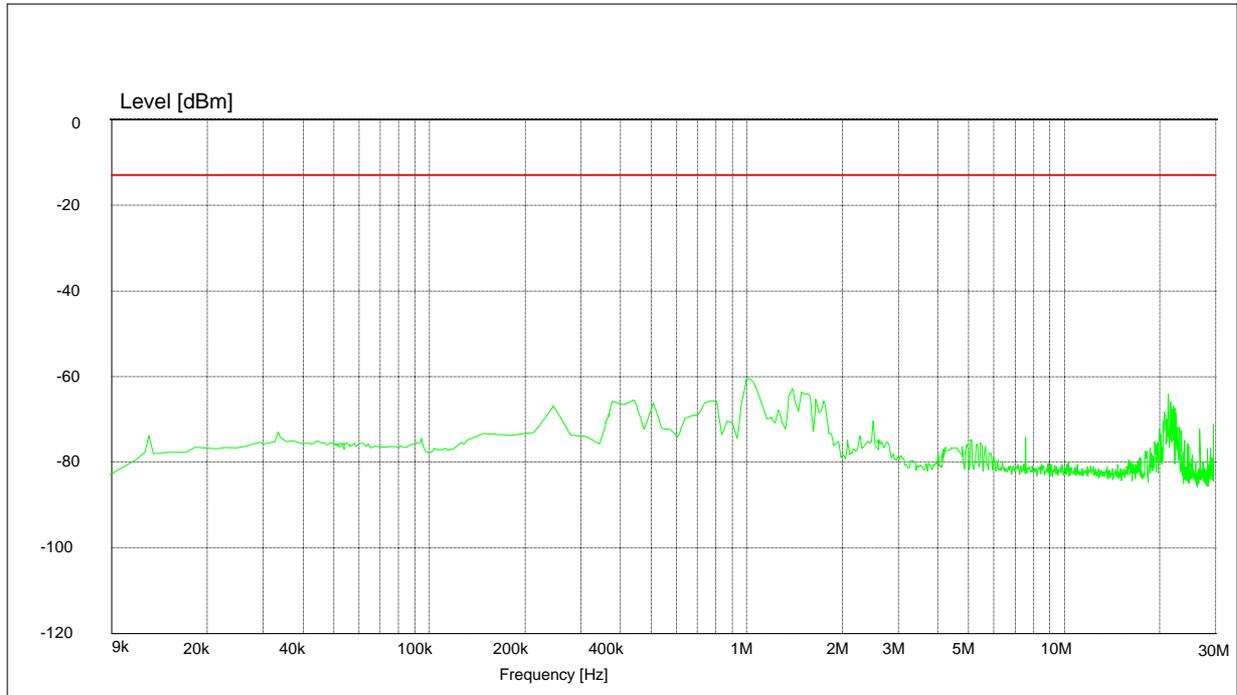


Note: The frequency which exceeded the limit was the carrier frequency.

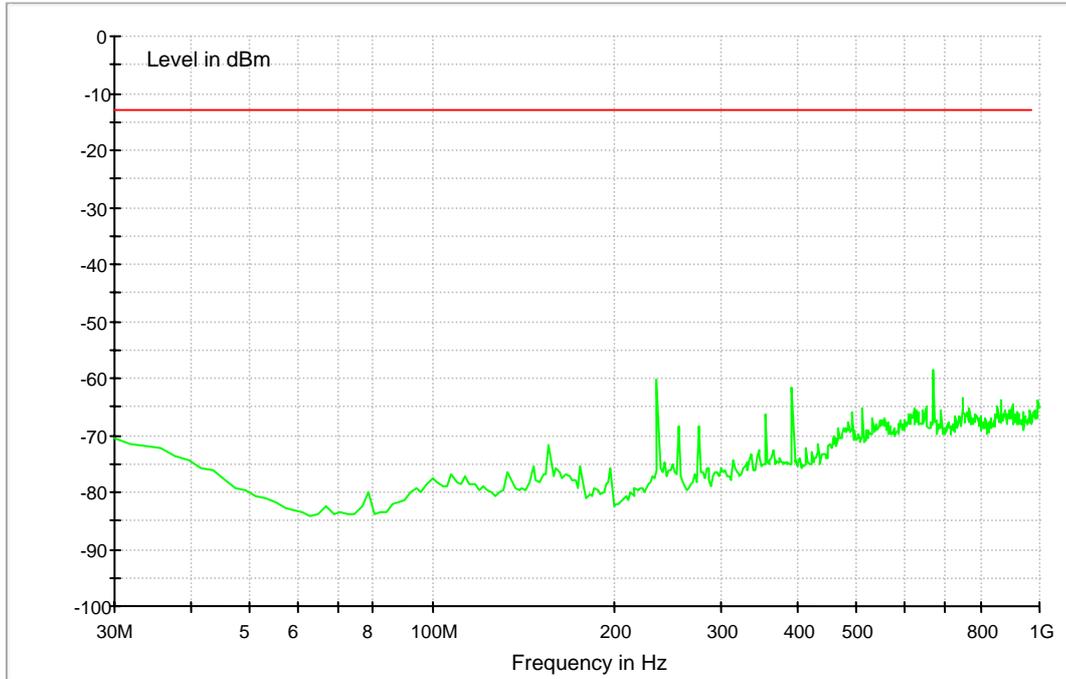
### Traffic Mode (12GHz-20GHz)



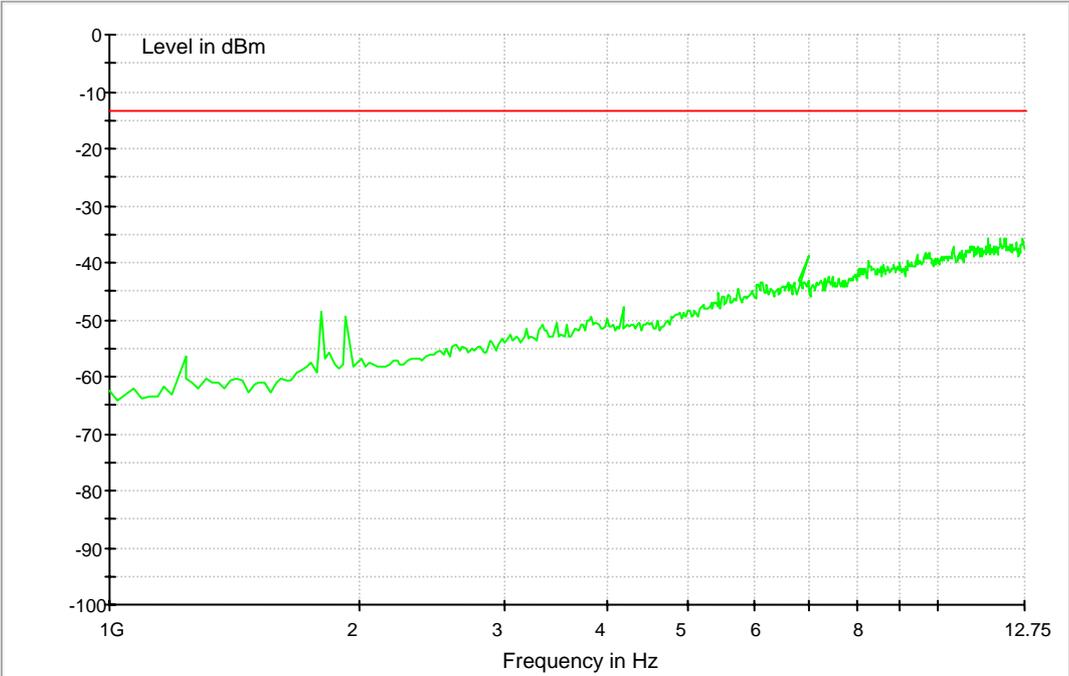
## IDLE Mode (9 kHz-30MHz)



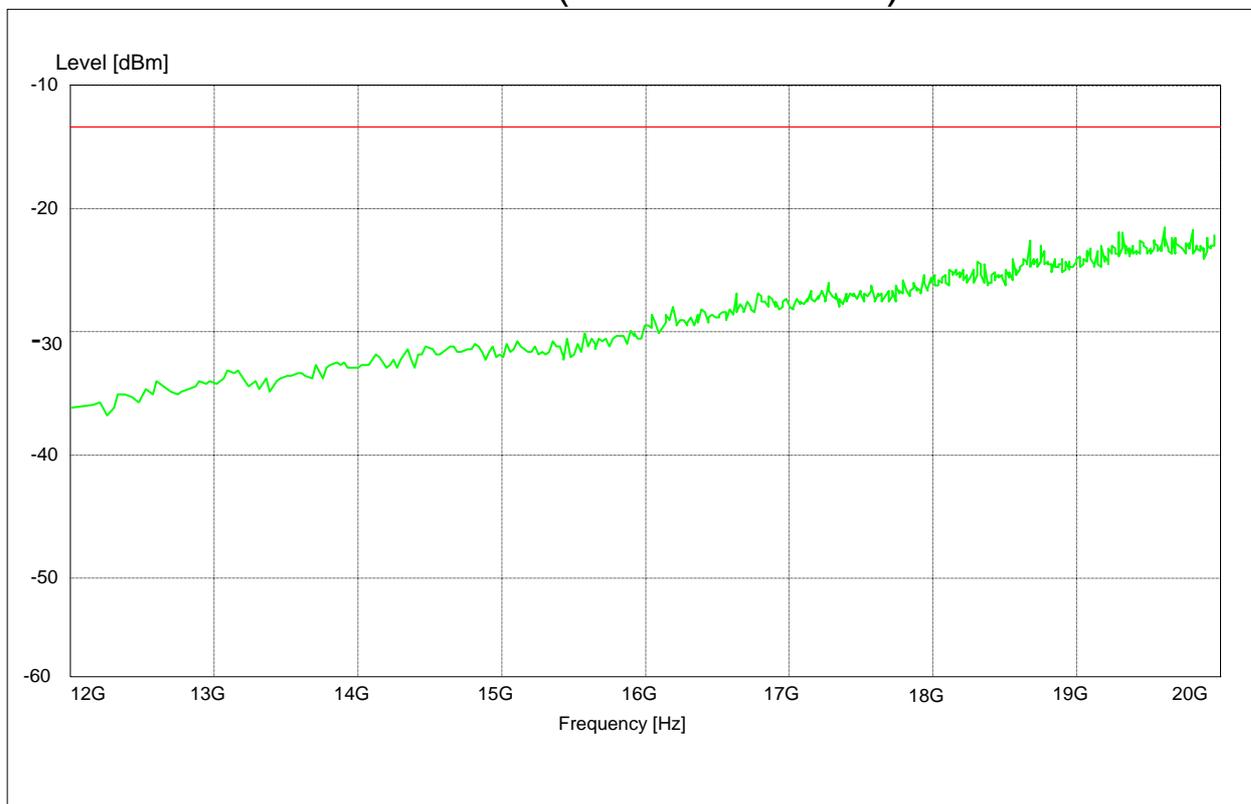
## IDLE Mode (30MHz-1GHz)



### IDLE Mode (1GHz-12.75GHz)



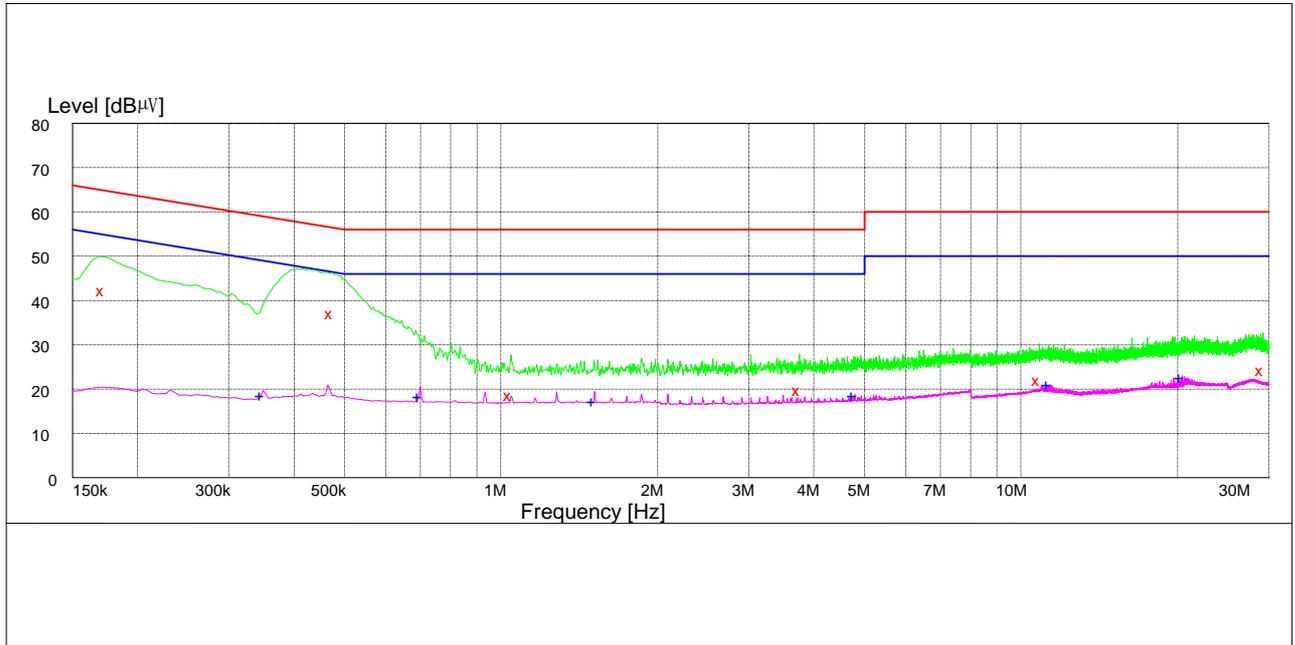
## IDLE Mode (12GHz-20GHz)



## 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
0.172500	42.60	1.8	64.5	21.9	N	FLO
0.474000	37.50	0.7	56	18.5	L2	FLO
1.045500	19.10	0.5	56	36.9	N	FLO
3.750000	20.10	0.5	56	35.9	L2	FLO
10.851000	22.40	2.4	60	37.6	L2	FLO
29.247000	24.70	3.1	60	35.3	N	FLO

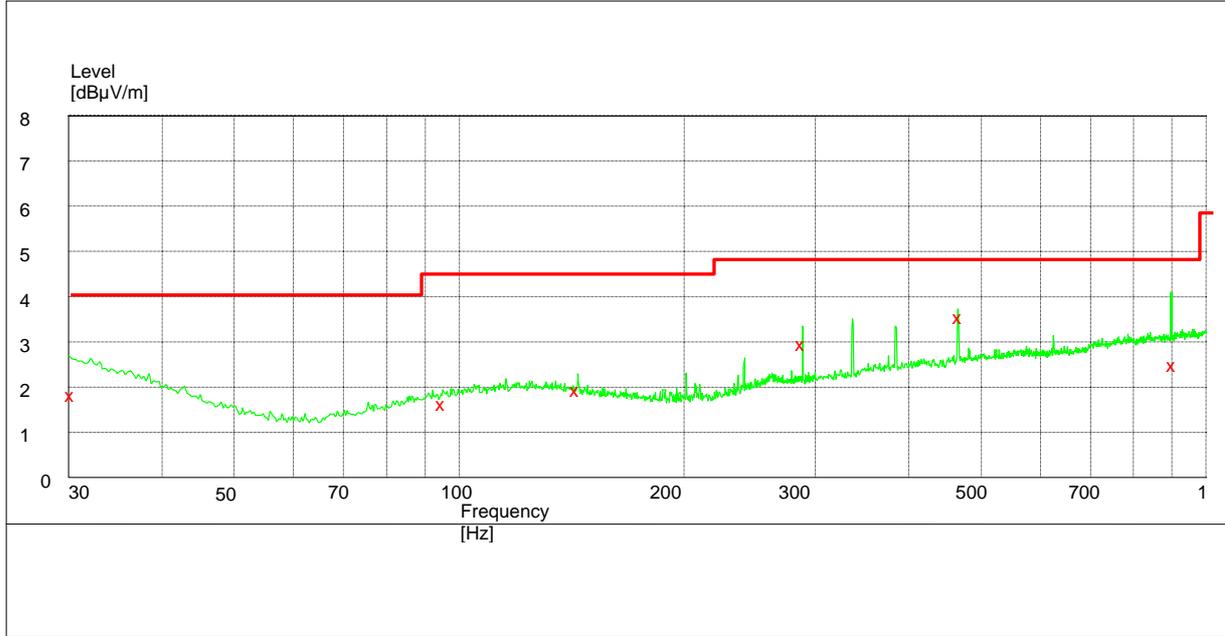
MEASUREMENT RESULT: "AV DECTER"

Frequency (MHz)	Level (dBµV)	Transd (dB)	Limit (dBµV)	Margin (dB)	Line	PE
0.348000	19.00	0.8	49	30.0	N	FLO
0.699000	18.80	0.7	46	27.2	N	FLO
1.513500	17.80	0.6	46	28.2	N	FLO
4.794000	19.10	0.5	46	27.0	N	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
30.360000	19.00	-2.7	40.0	21.0	100.0	0.00	HORIZONTAL
95.040000	16.90	-10.6	43.5	26.6	100.0	90.00	HORIZONTAL
144.000000	20.00	-9.6	43.5	23.5	100.0	180.00	HORIZONTAL
288.000000	30.00	-7.1	46.0	16.0	100.0	270.00	HORIZONTAL
468.780000	38.00	-4.1	46.0	8.0	300.0	90.00	VERTICAL
904.500000	25.70	0.7	46.0	20.3	100.0	180.00	VERTICAL

# Appendix I

## Photos of Test Setup

## 2 Radiated Emissions



Radiated Disturbance

### 3 Radiated Spurious Emissions

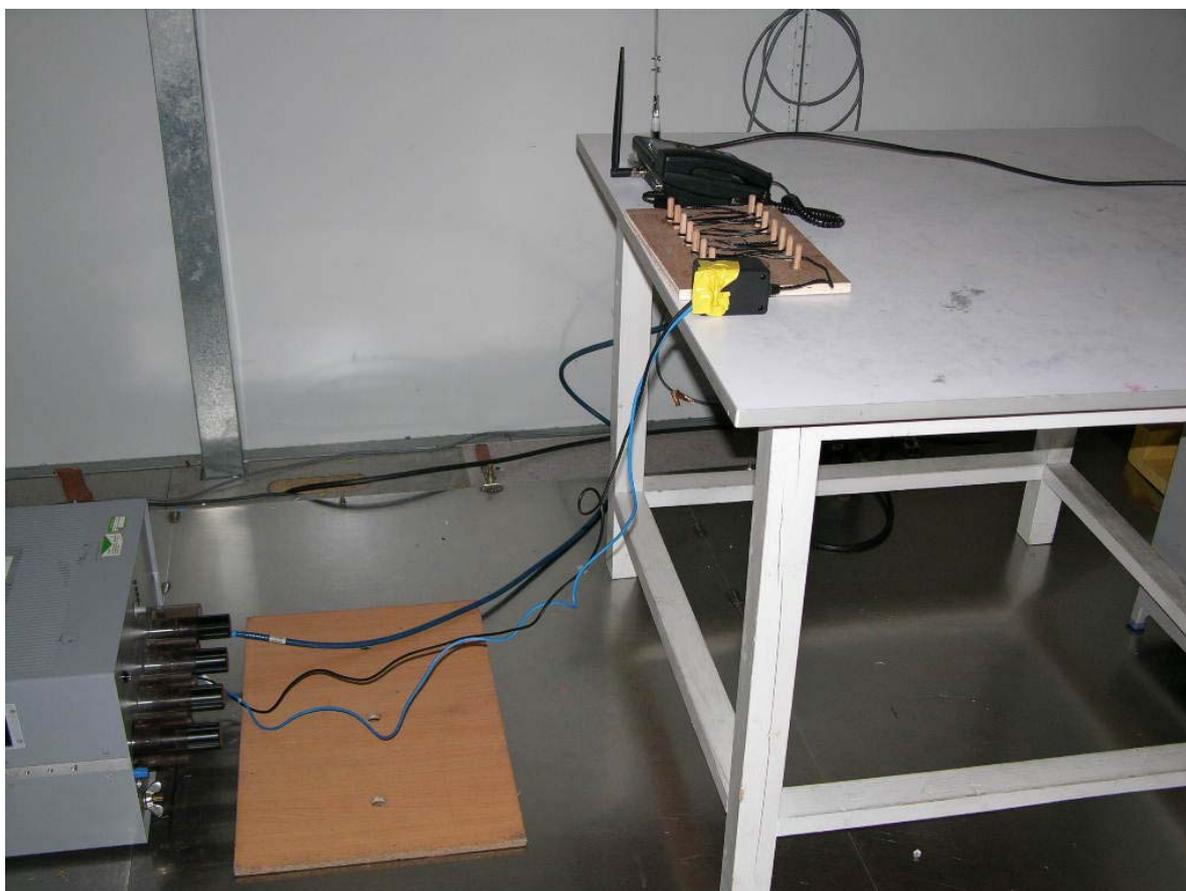


Radiated Spurious Emission (below 1GHz)



Radiated Spurious Emission (above 1GHz)

## 4 Conducted Emissions



Conducted Emissions for AC Ports