

Appendix A

Channel Power Measurement

According to CFR 47 (FCC) part 2.1046 & 22.913



Channel 1013

TM1:

Measurement/Instrument Screen									
Control	Maximum/Minimum Power							Call Parm	
Max/Min Power Setup ▾	Maximum Power 24.58 dBm Minimum Power -59.77 dBm/1.23 MHz Single							Cell 1 Power	-25.00
								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 Power 24.59 dBm Minimum Power -60.10 dBm/1.23 MHz Single								Cell 1 Power	
										-25.00	
Maximum Power Setup ▾										Cell Band	
										US Cellular	
Minimum Power Setup ▾										Channel	
										1013	
										Protocol Rev	
										6 (IS-2000-0)	
										Radio Config	
										(Fud3, Rvs3)	
										S055 (Loopback)	
										FCH Service Option Setup ▾	
1 of 2				Active Cell Connected		Sys Type: IS-2000		1 of 4			
				Logging: No Conn.							
					IntRef	Offset					



Channel 283

TM1:

Measurement/Instrument Screen												
Control		Maximum/Minimum Power								Call Parm		
Max/Min Power Setup ▾		Maximum Power 24.13 dBm Minimum Power -59.39 dBm/1.23 MHz Single								Cell 1 Power		
										-25.00		
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		
										(Fud1, Rvs1)		
										S02 (Loopback)		
										FCH Service Option Setup ▾		
				Active Cell Connected				Sys Type: IS-2000			1 of 4	
				Logging: No Conn.								
				IntRef		Offset						



TM3:

Measurement/Instrument Screen										
Control		Maximum/Minimum Power						Call Params		
Max/Min Power Setup ▾		Maximum Power 24.18 dBm Minimum Power -59.46 dBm/1.23 MHz Single						Cell 1 Power		
								-25.00		
Maximum Power Setup ▾								dBm/1.23 MHz		
								Cell Band		
								US Cellular		
Minimum Power Setup ▾								Channel		
								283		
								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.						
1 of 2					IntRef	Offset				1 of 4



Channel 777

TM1:

Measurement/Instrument Screen												
Control		Maximum/Minimum Power								Call Params		
Max/Min Power Setup ▾		Maximum Power 24.18 dBm Minimum Power -58.86 dBm/1.23 MHz Single								Cell 1 Power		
										-25.00		
Maximum Power Setup ▾										dBm/1.23 MHz		
										Cell Band		
										US Cellular		
Minimum Power Setup ▾										Channel		
										777		
										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 24.27 dBm Minimum Power -58.81 dBm/1.23 MHz Single						Cell 1 Power	-25.00	dBm/1.23 MHz
Maximum Power Setup ▾							Cell Band	US Cellular	
Minimum Power Setup ▾							Channel	777	
							Protocol Rev	6 (IS-2000-0)	
							Radio Config	(Fud3, Rvs3)	
							S055 (Loopback)		
							FCH Service Option Setup ▾		
1 of 2				Active Cell Connected		Sys Type: IS-2000		Logging: No Conn.	
				IntRef	Offset				
1 of 4									

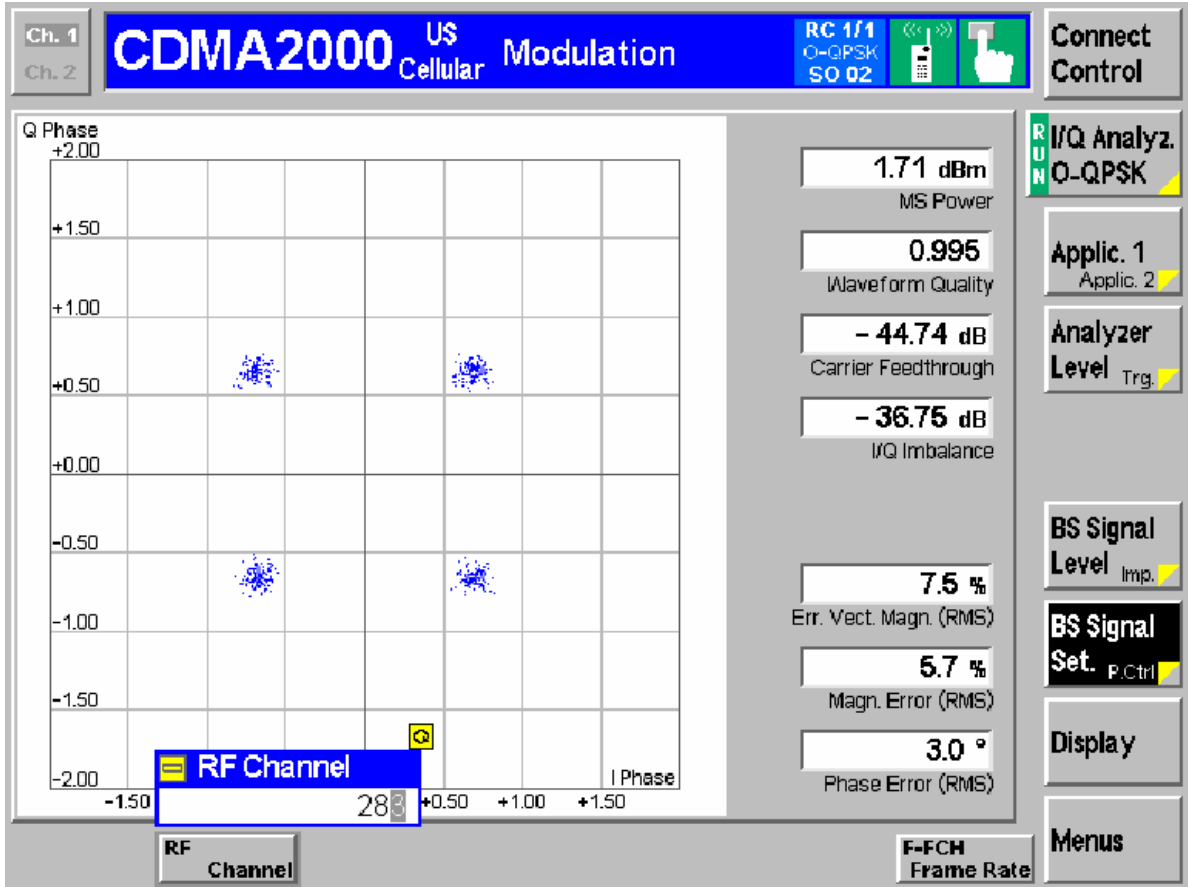
Appendix B

Modulation Characteristic Measurement

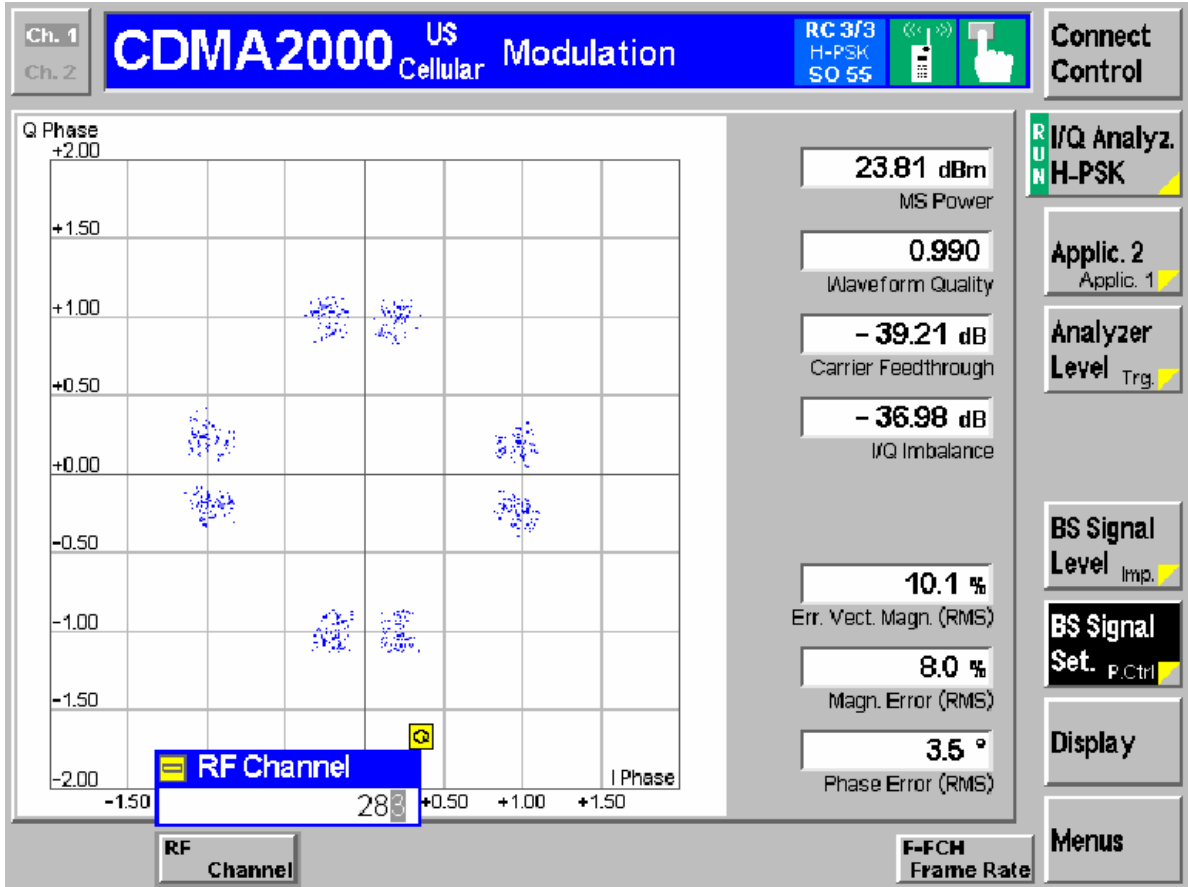
According to CFR 47 (FCC) part 2.1047 & 22.915



Channel 283 (TM1)



Channel 283 (TM3)



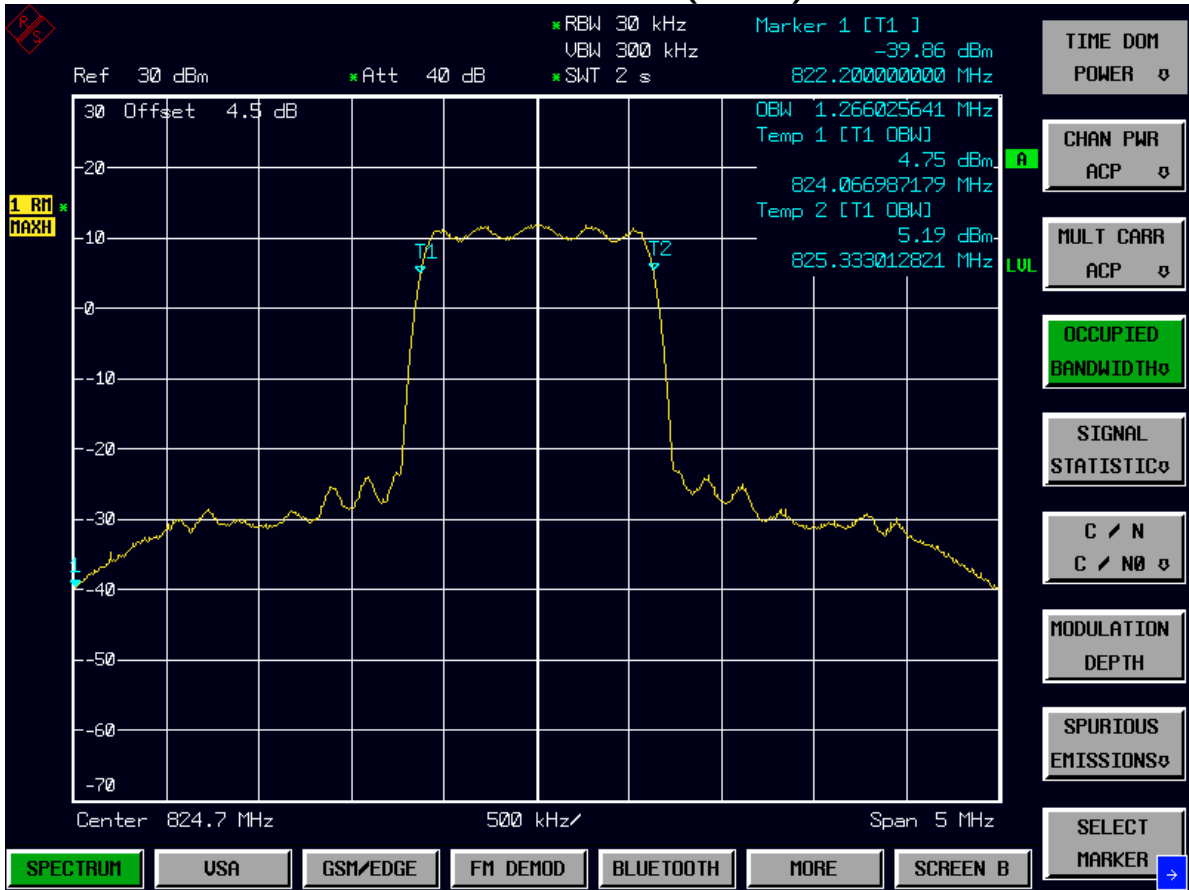
Appendix C

Occupied Bandwidth Measurement

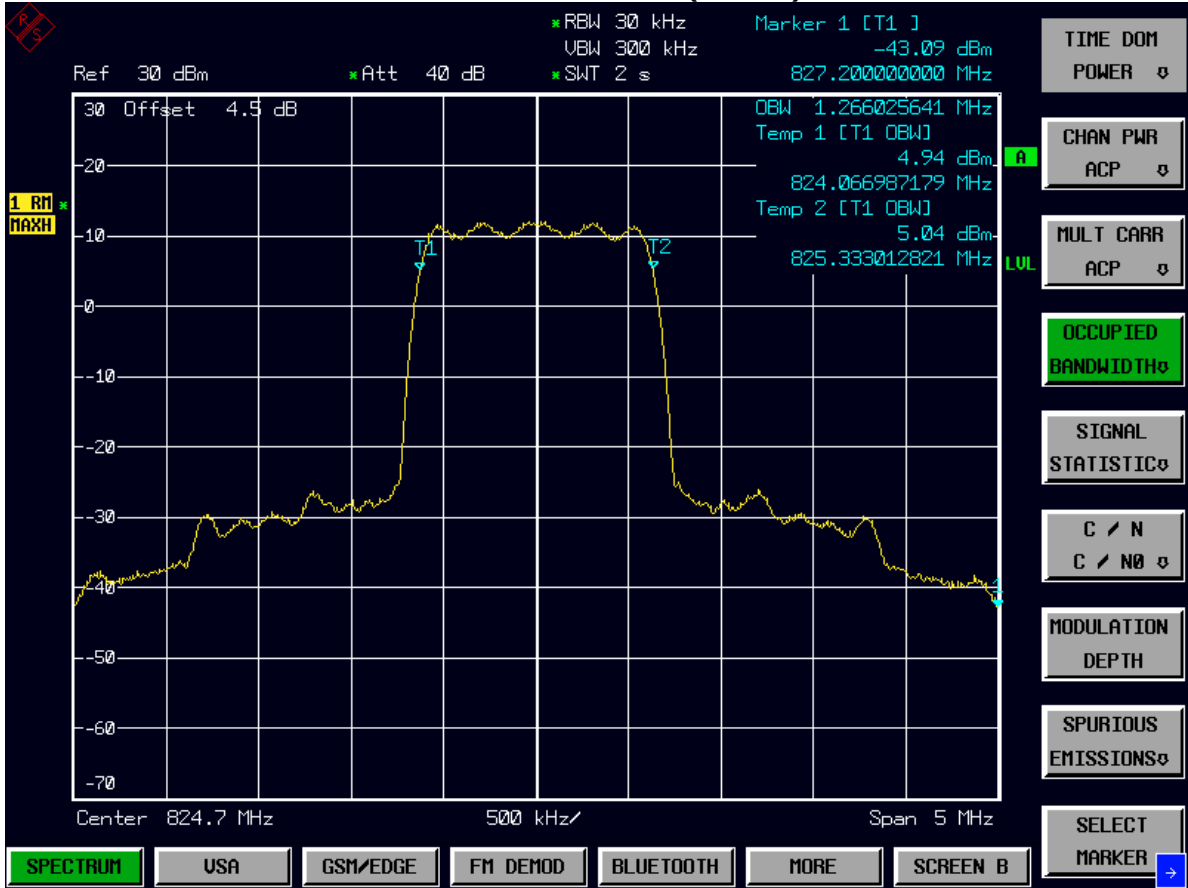
According to CFR 47 (FCC) part 2.1049& 22.917



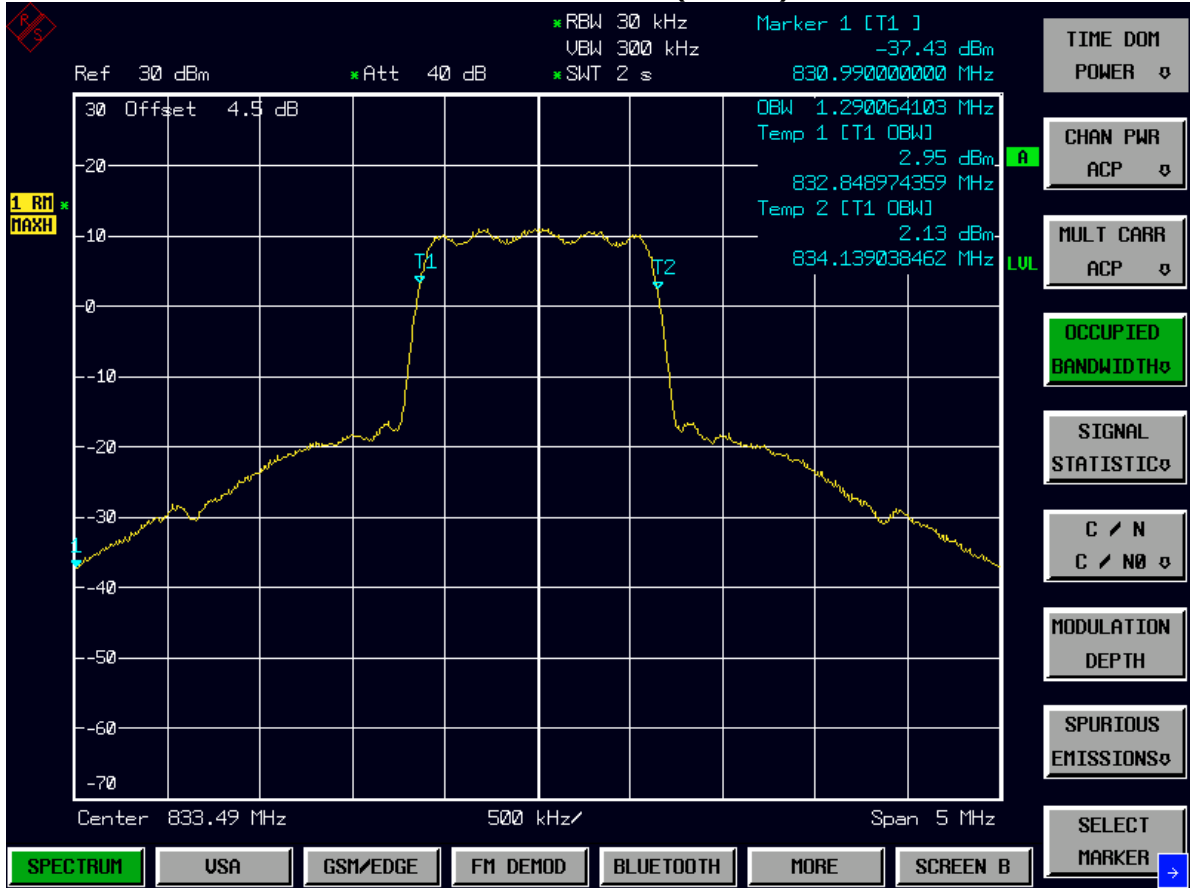
Channel 1013(TM1)



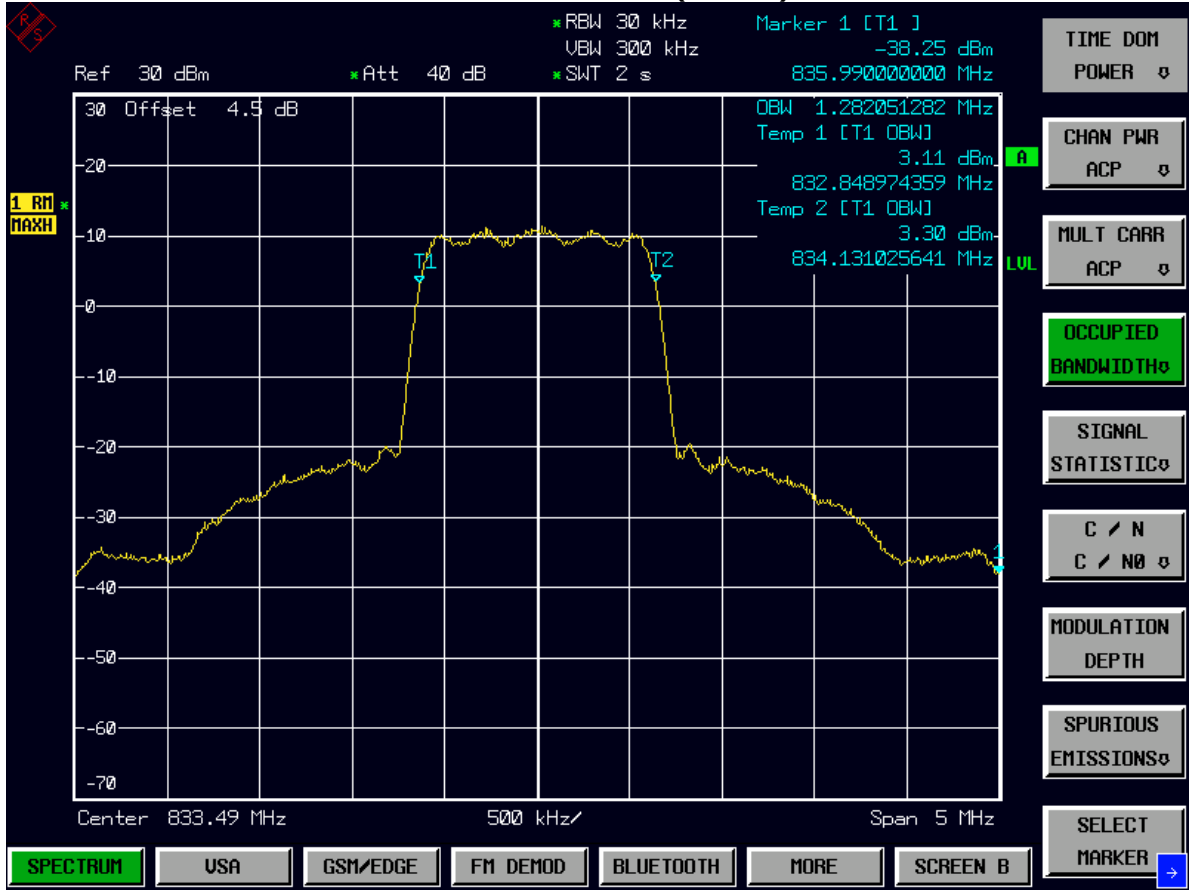
Channel 1013(TM3)



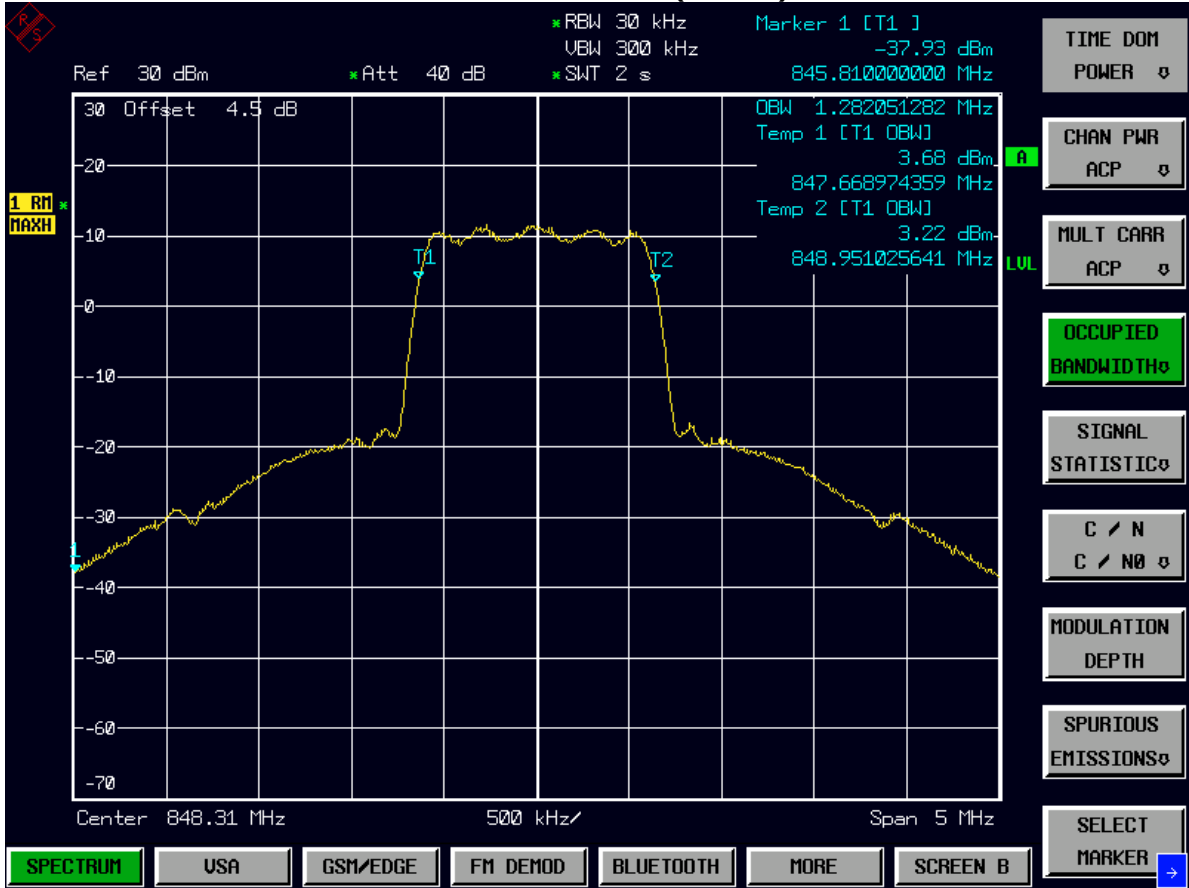
Channel 283(TM1)



Channel 283(TM3)

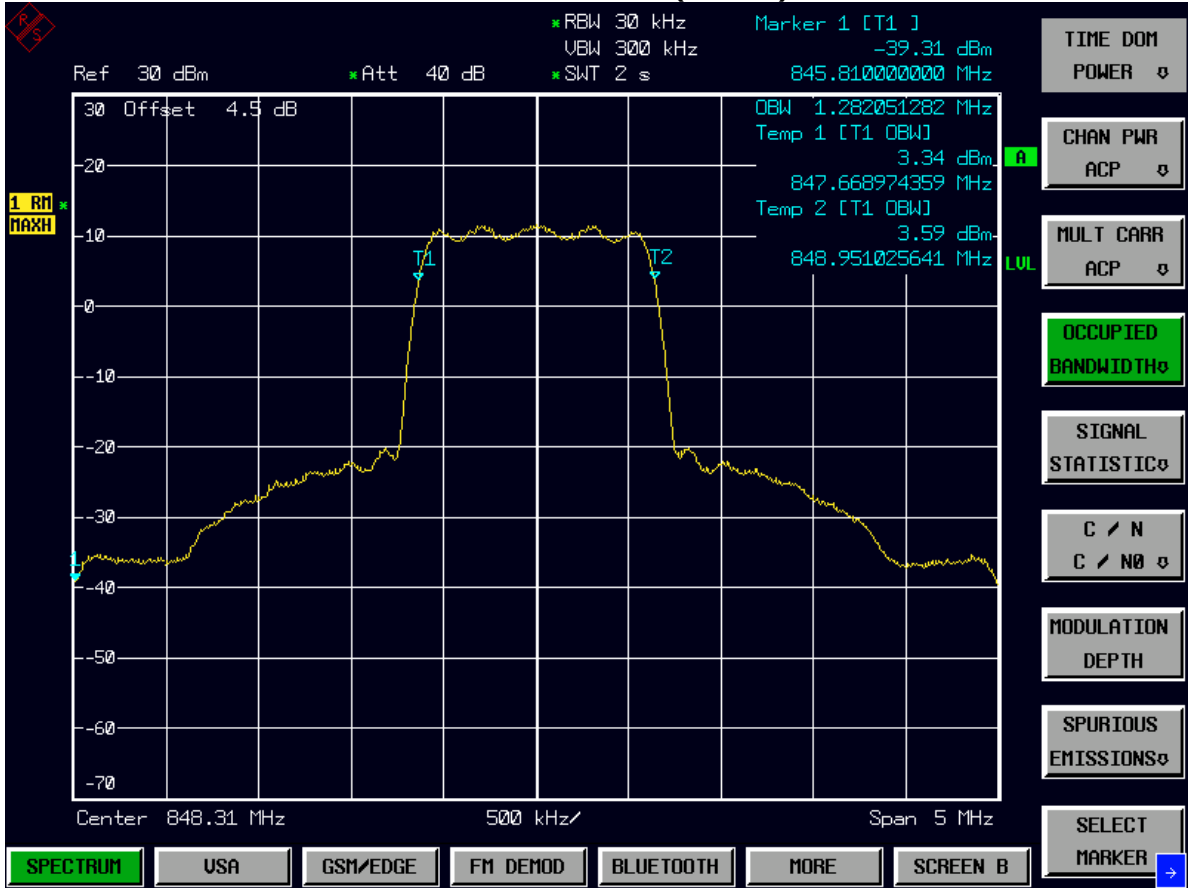


Channel 777(TM1)





Channel 777(TM3)



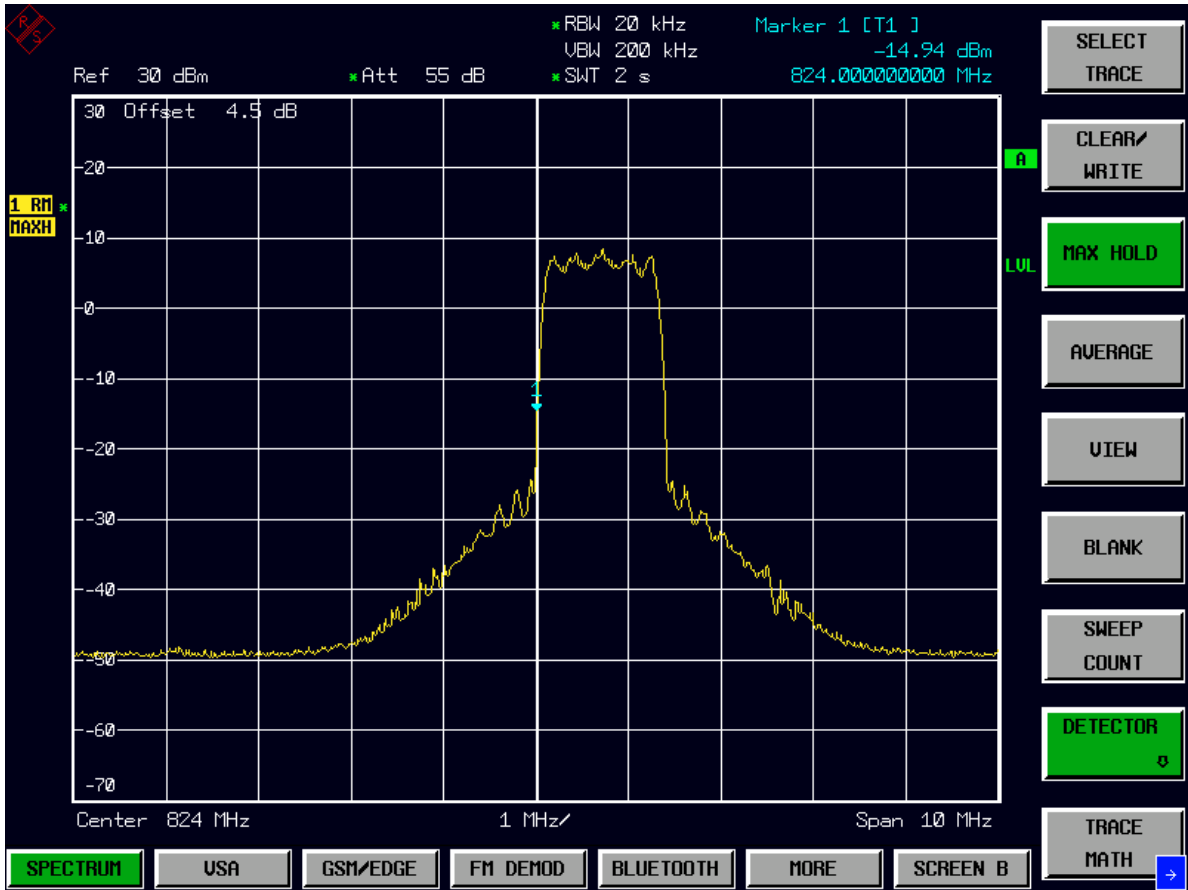
Appendix D

Band Edges Compliance

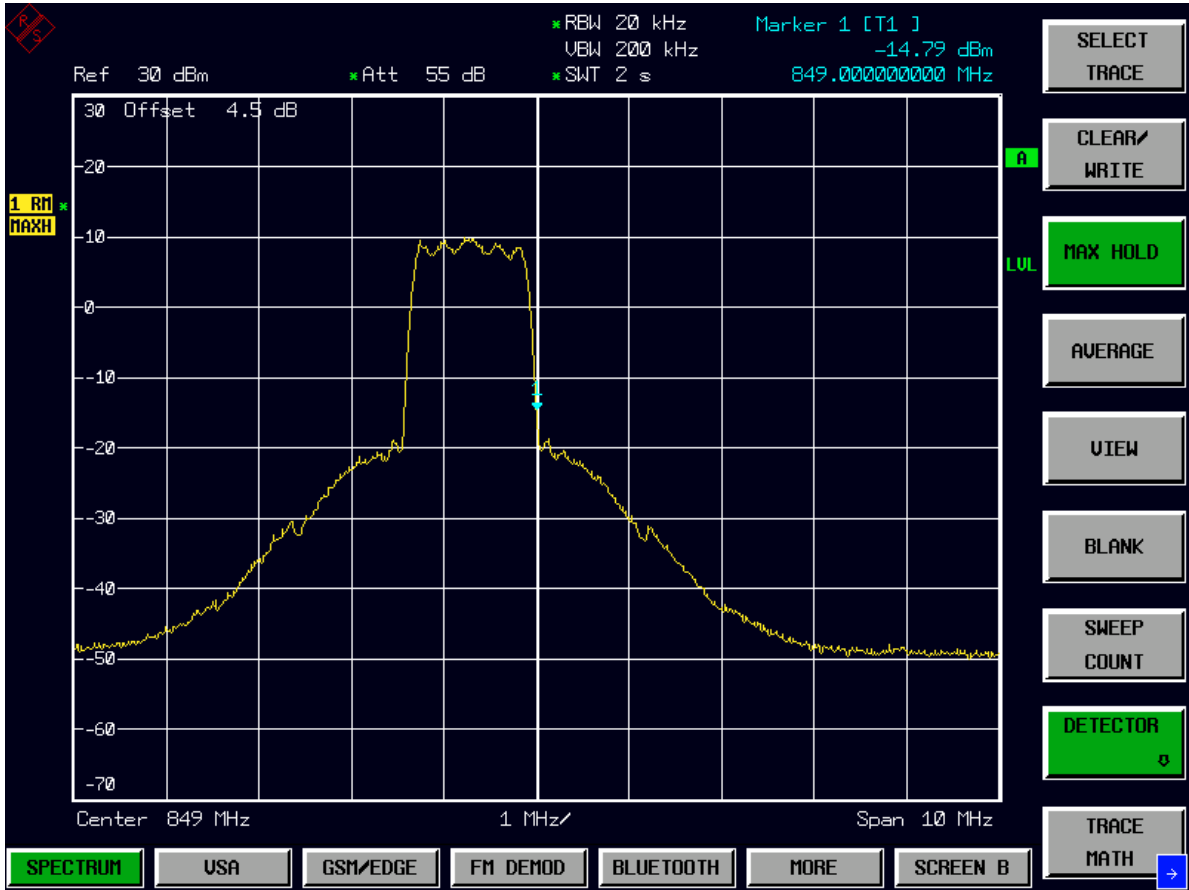
According to CFR 47 (FCC) part 2.1051 & 22.917(e)

TM1

Left Edge (824 MHz)
Channel 1013

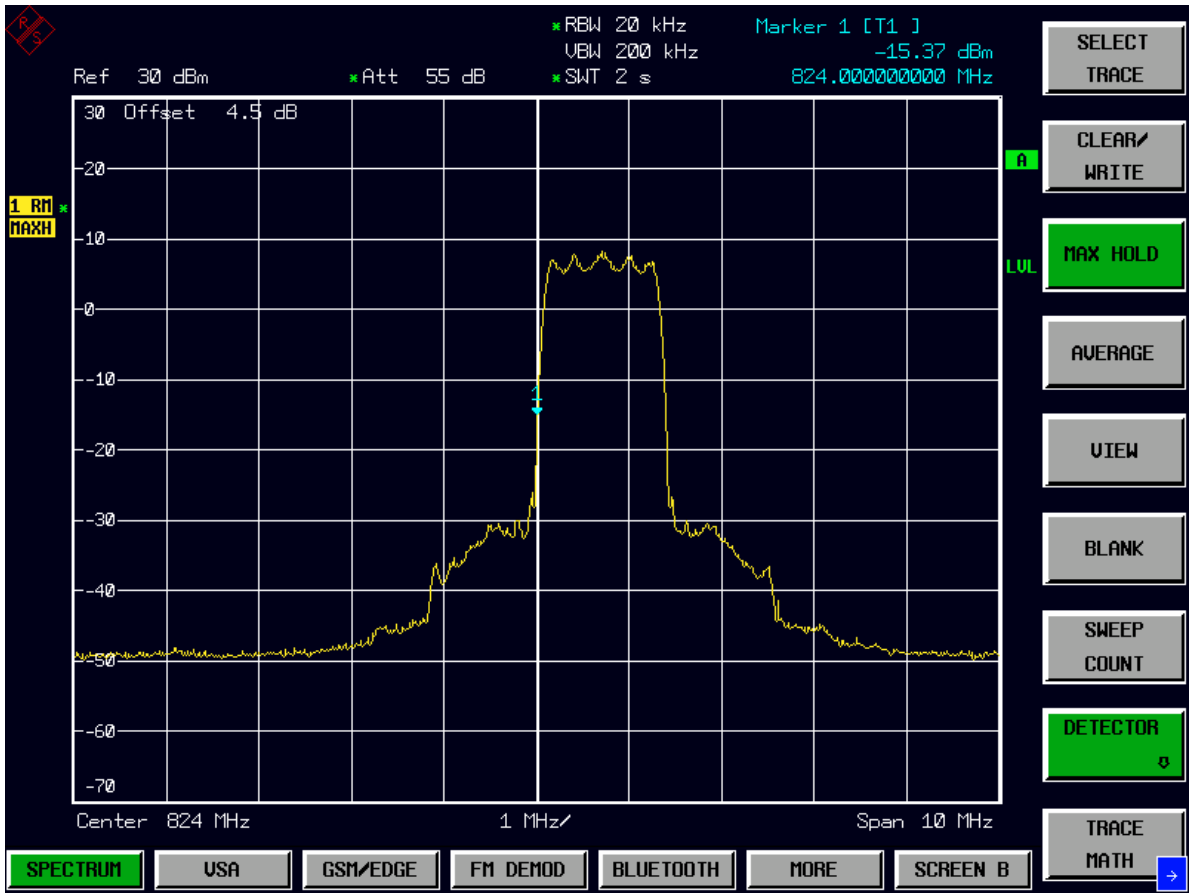


Right Edge (849MHz)
Channel 777

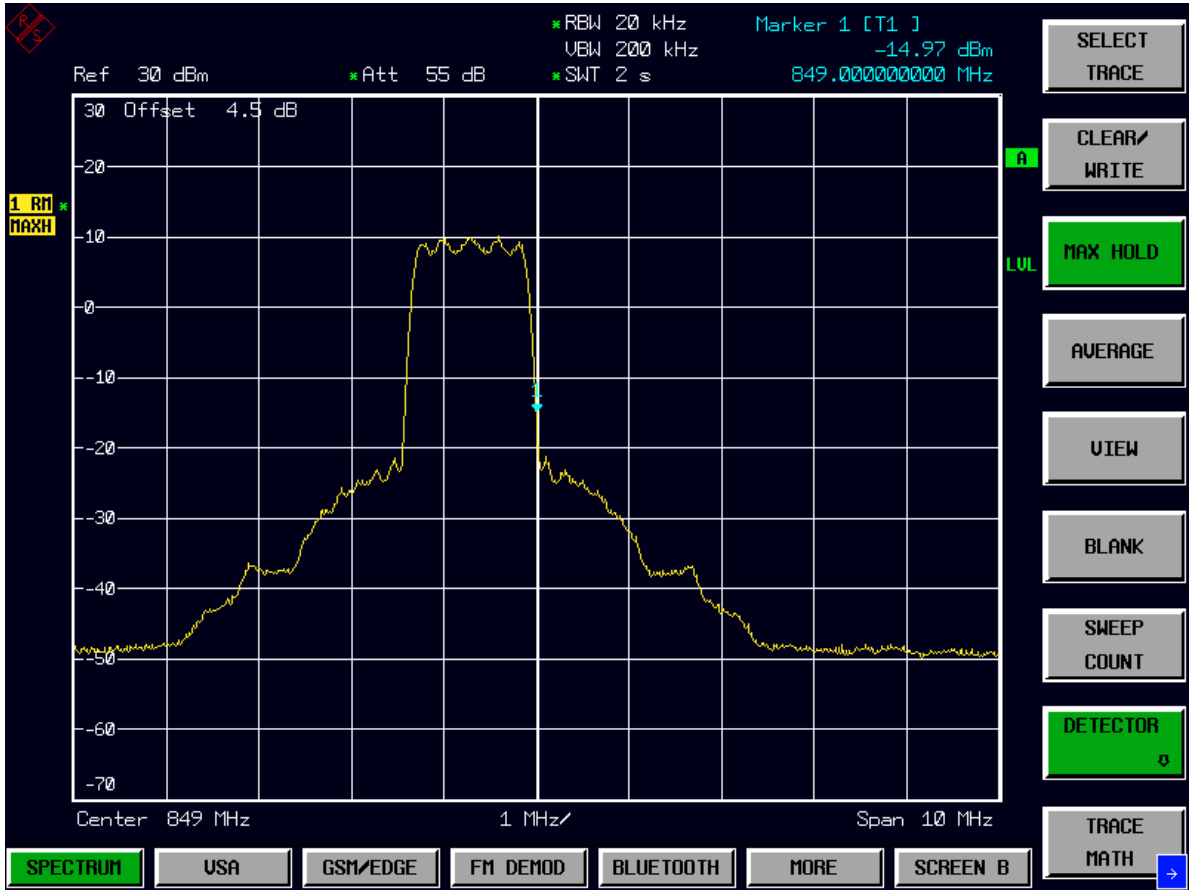


TM3

Left Edge (824 MHz)
Channel 1013



Right Edge (849MHz)
Channel 777



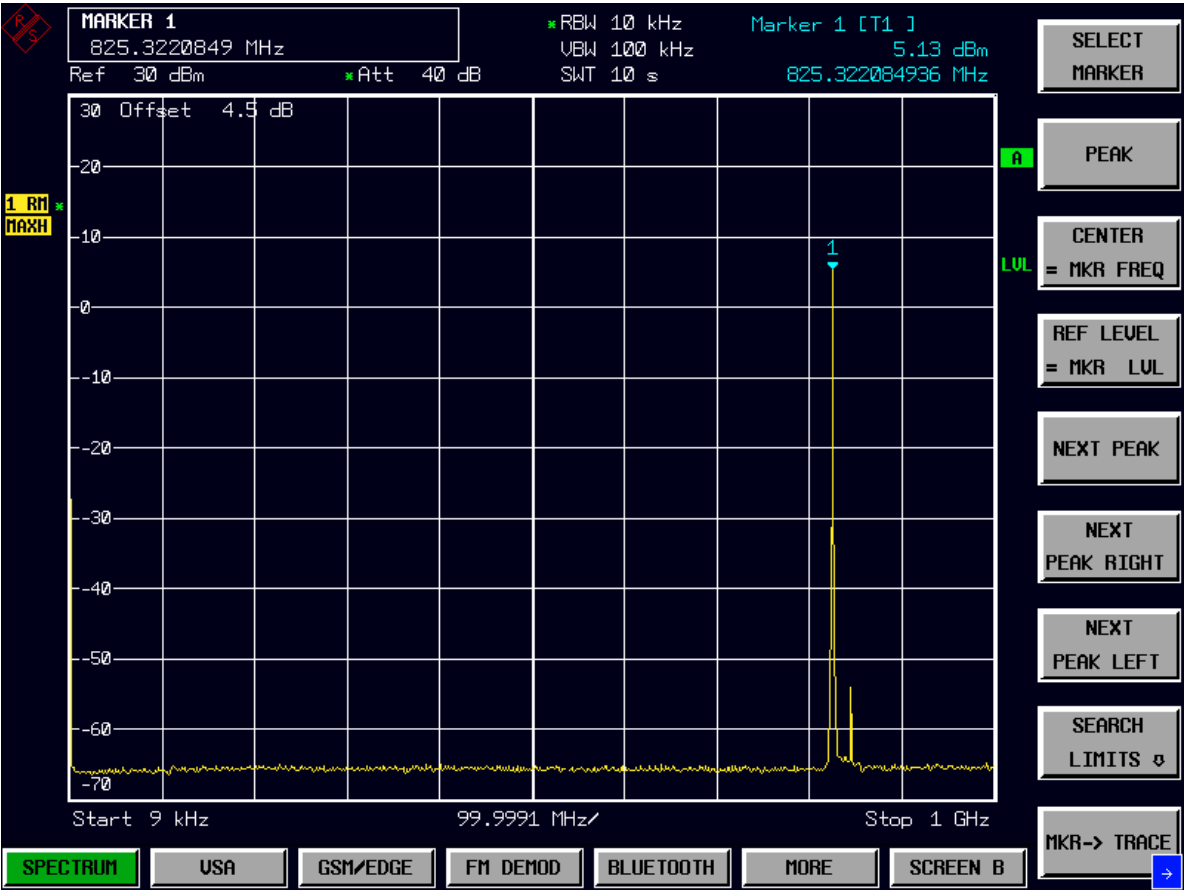
Appendix E

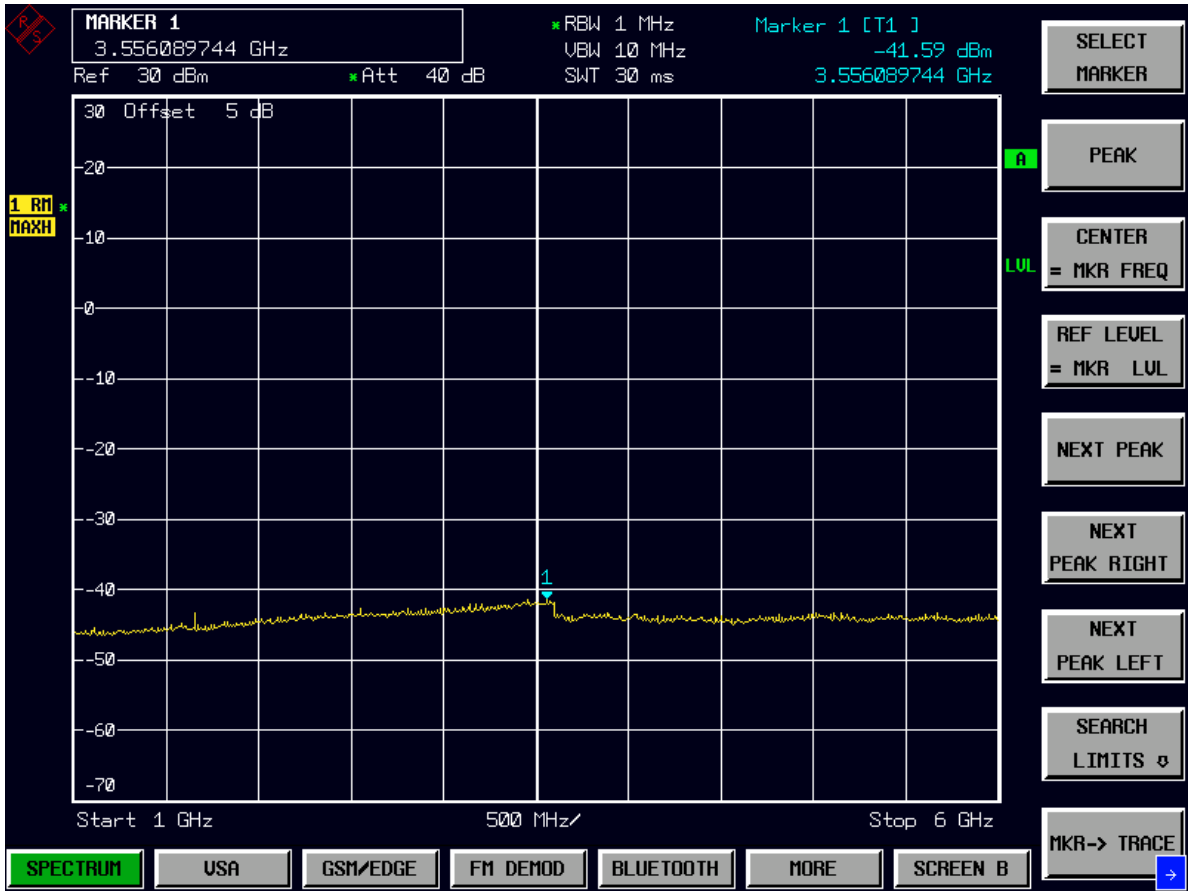
Spurious Emission at Antenna Terminal

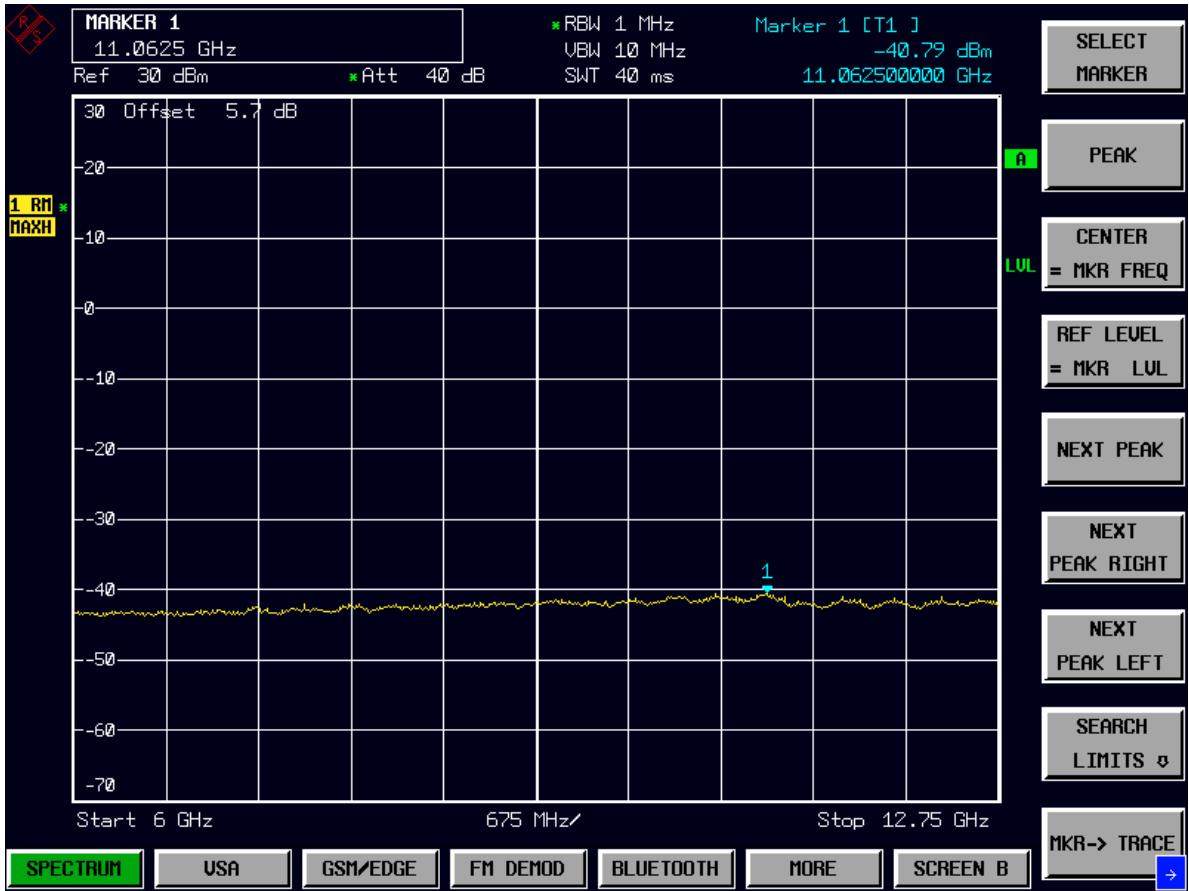
According to CFR 47 (FCC) part 2.1051 & 22.917(e)

TM1

Channel 1013

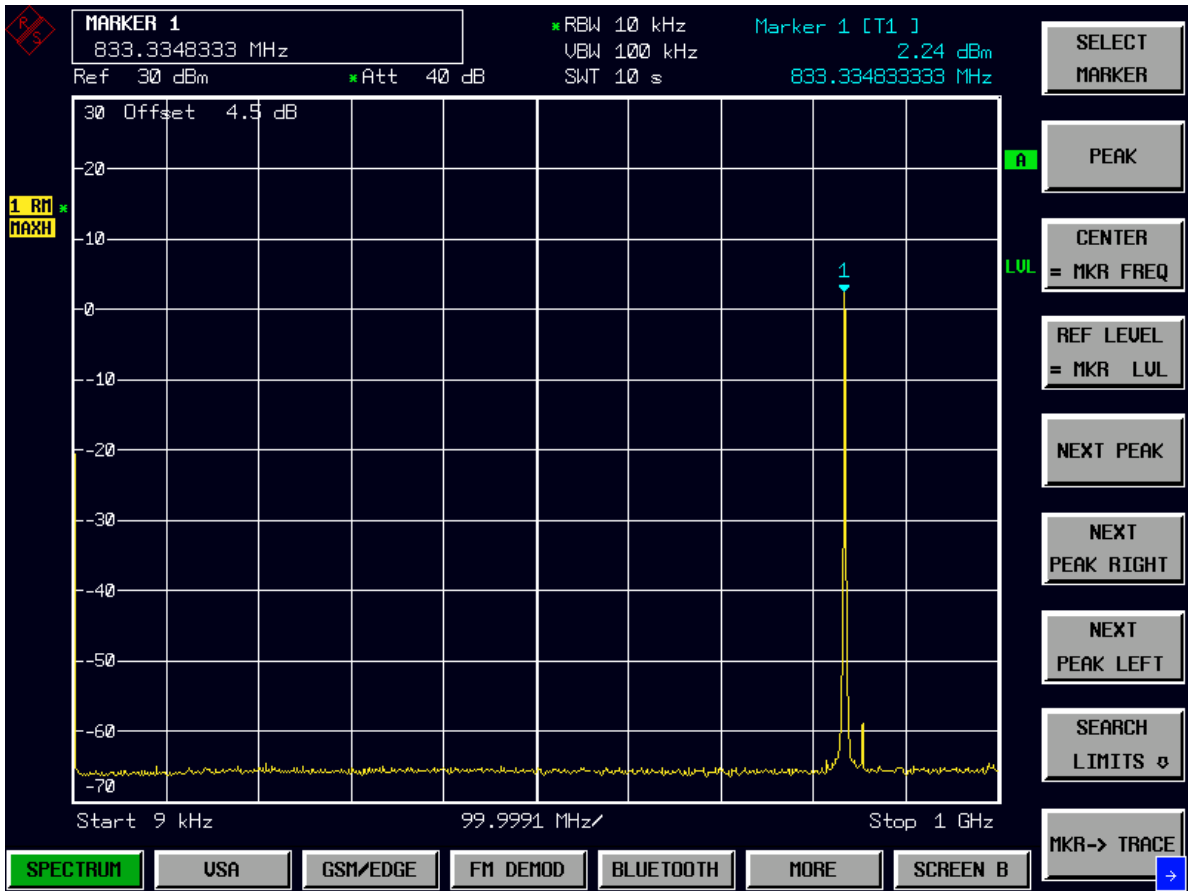


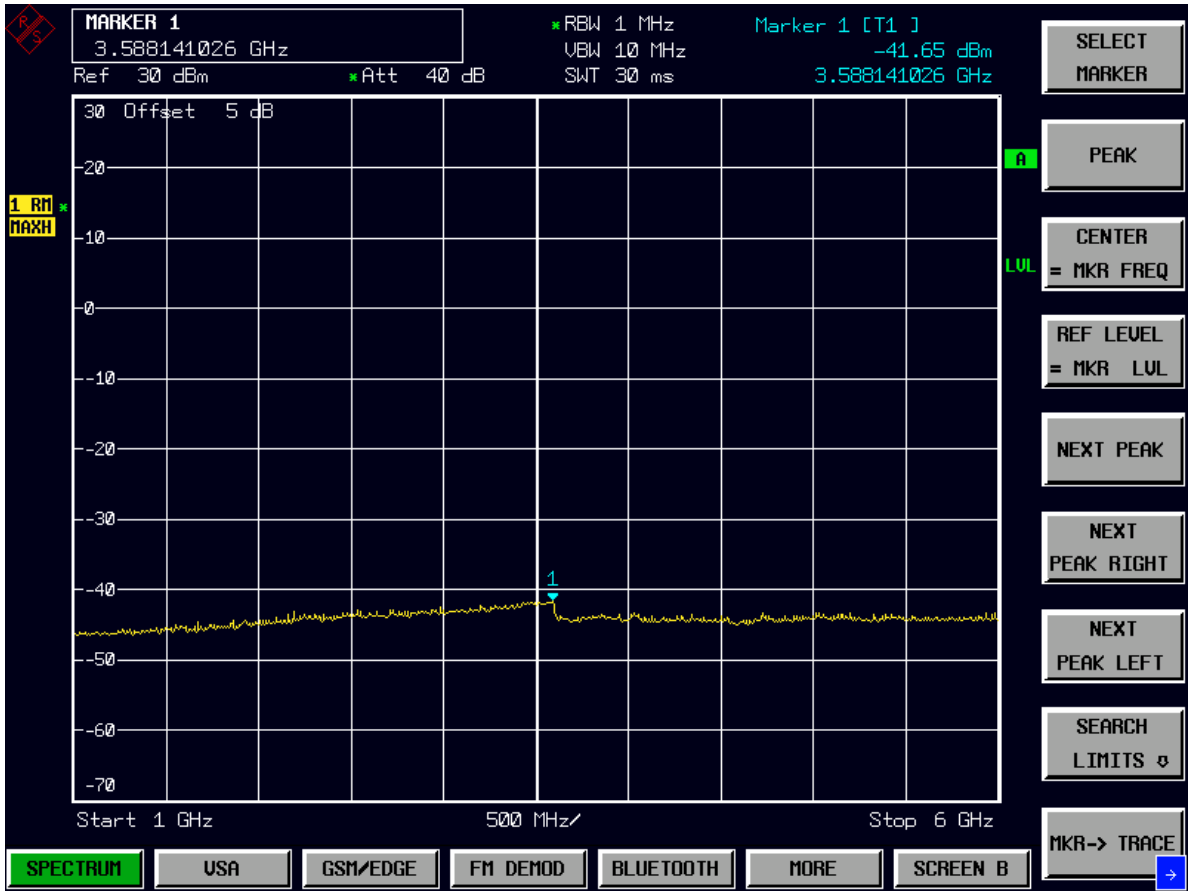


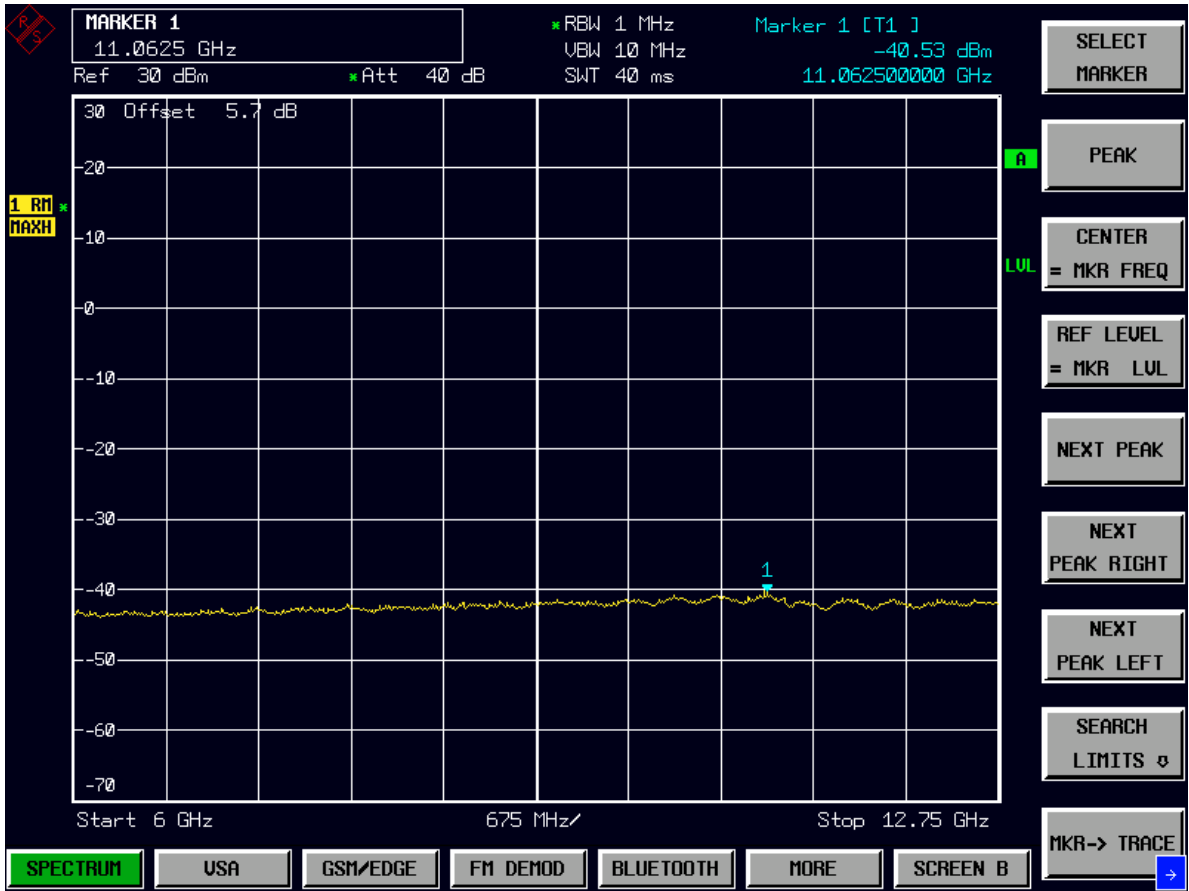




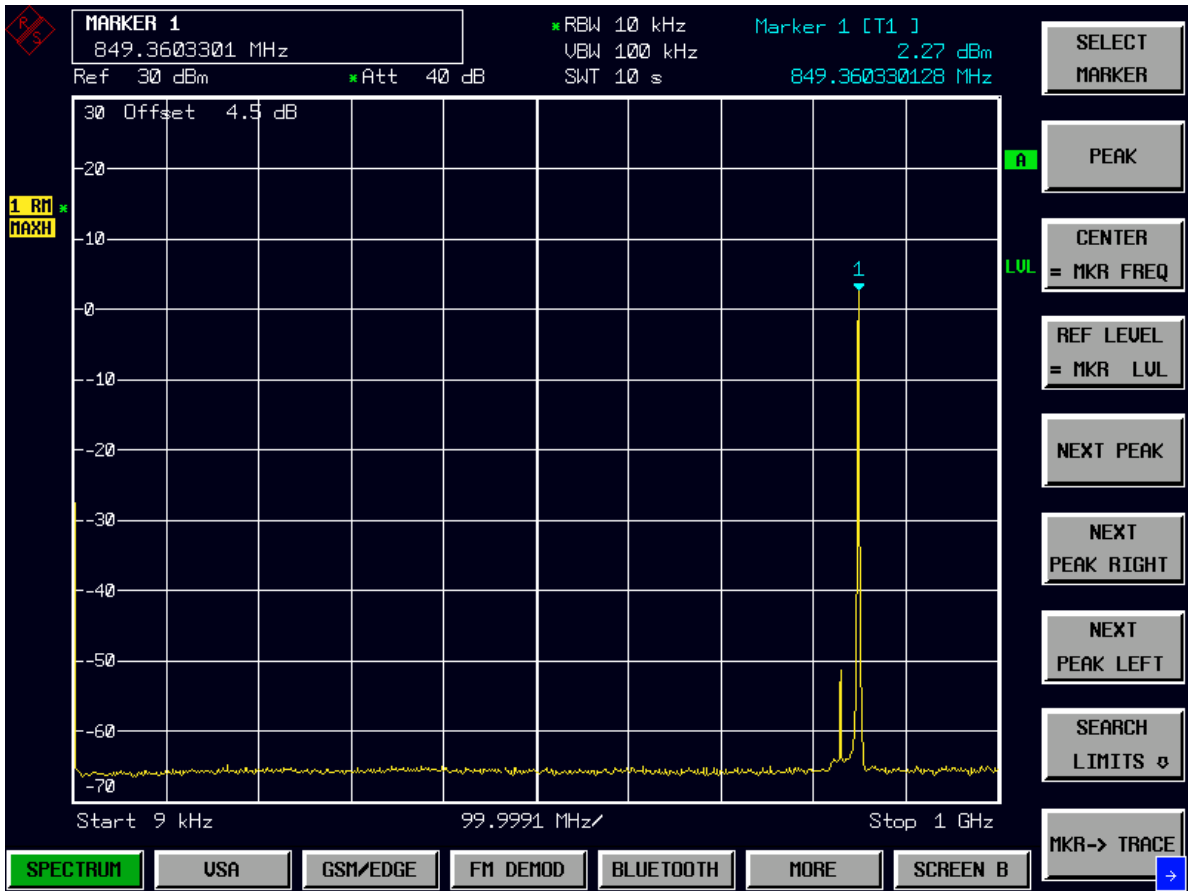
Channel 283

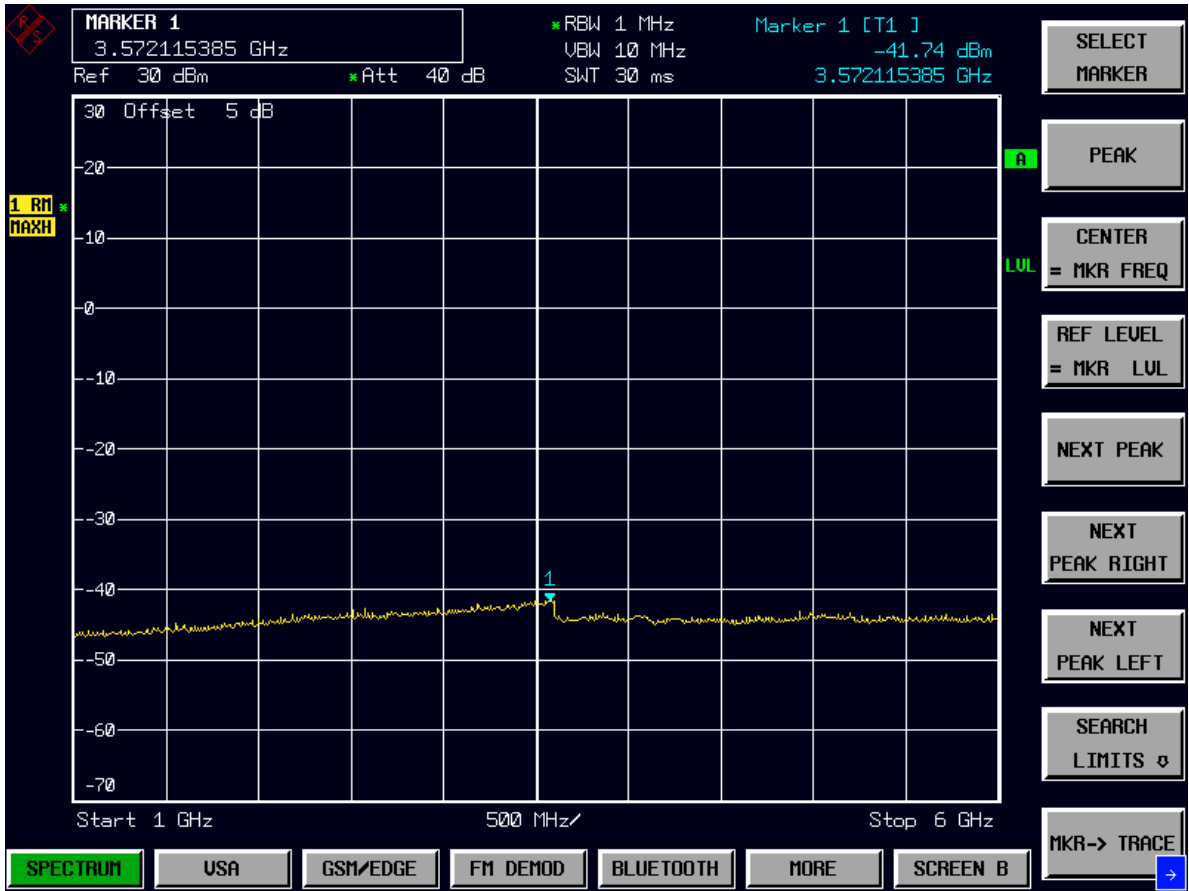


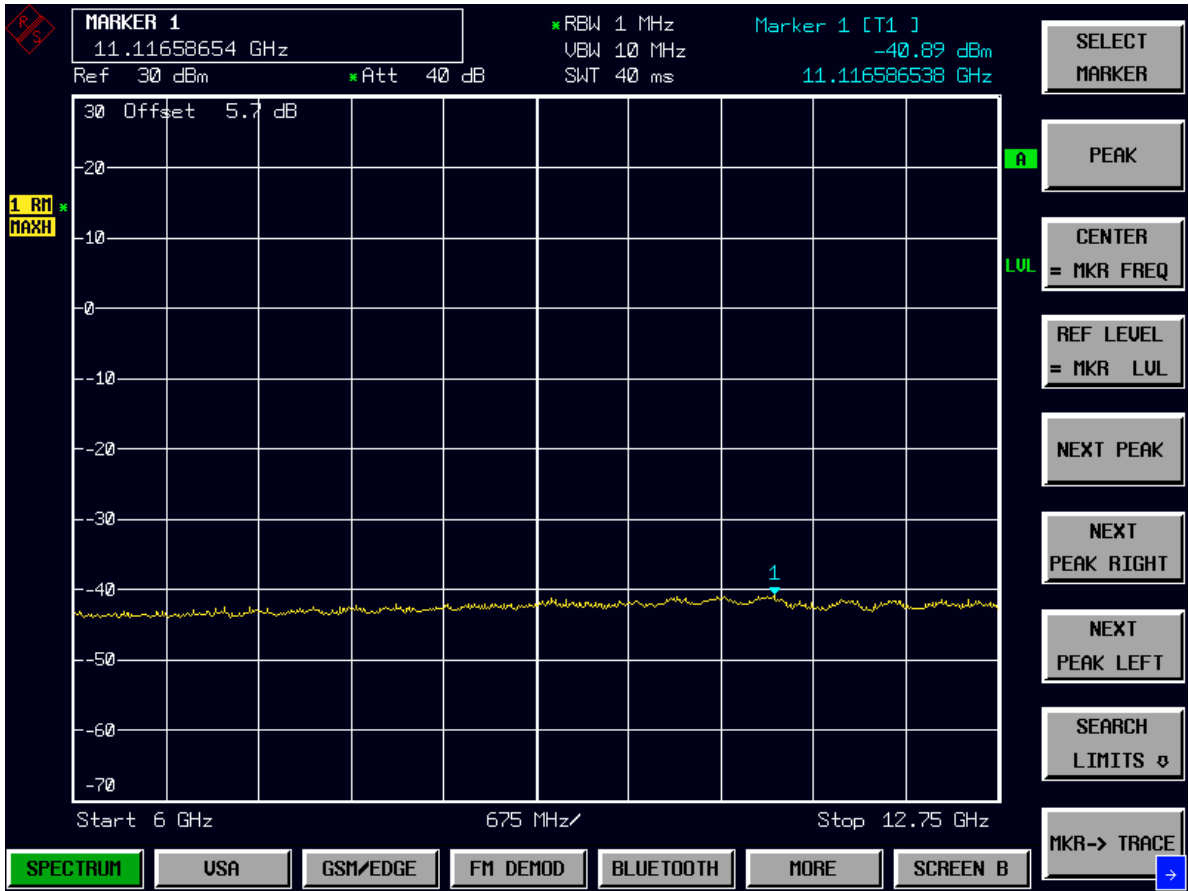




Channel 777

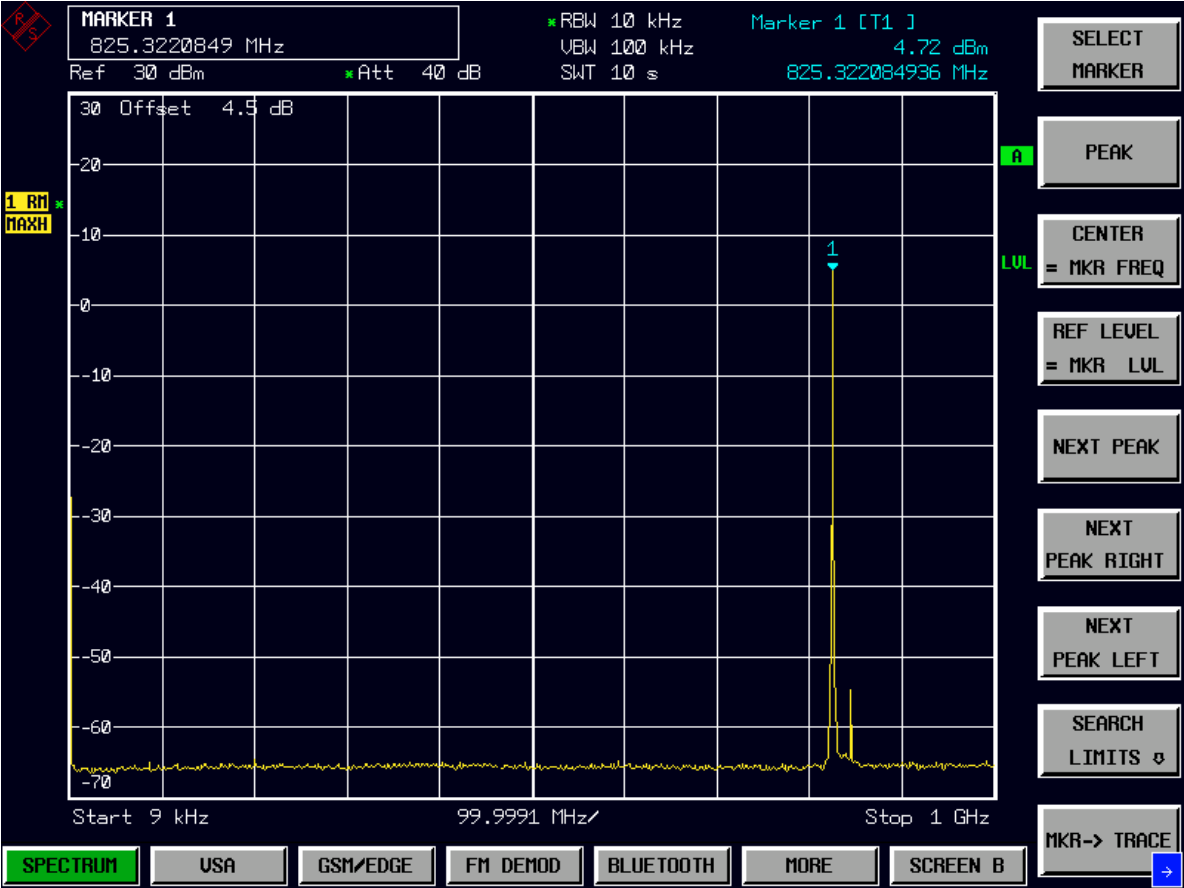


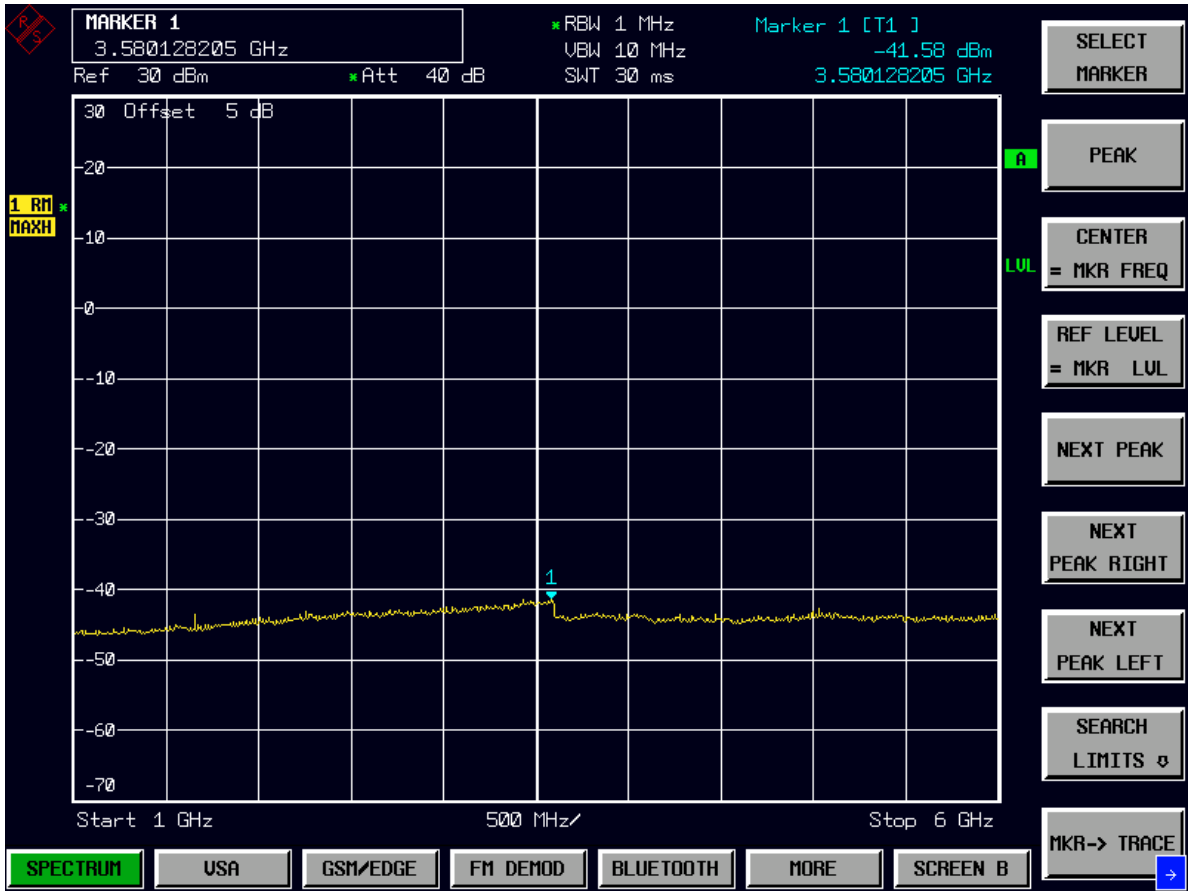


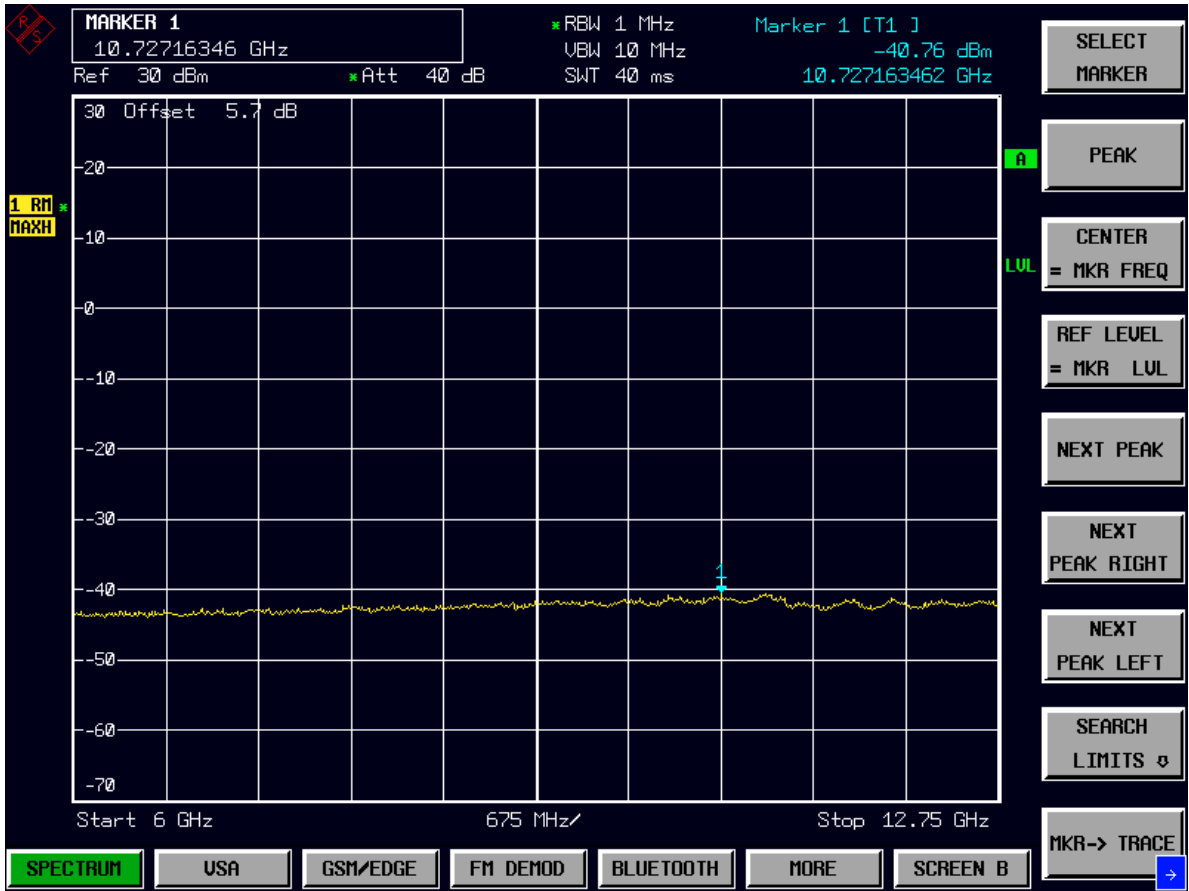


TM3

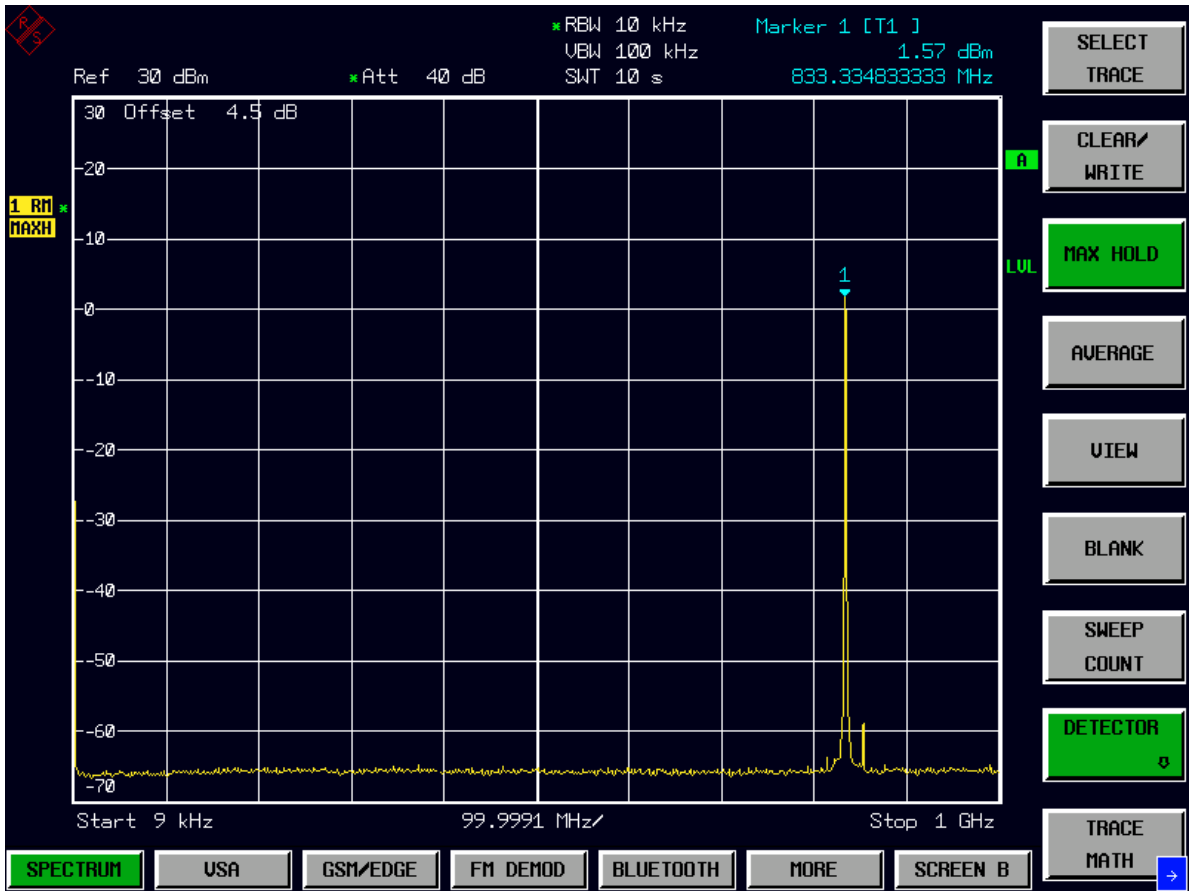
Channel 1013

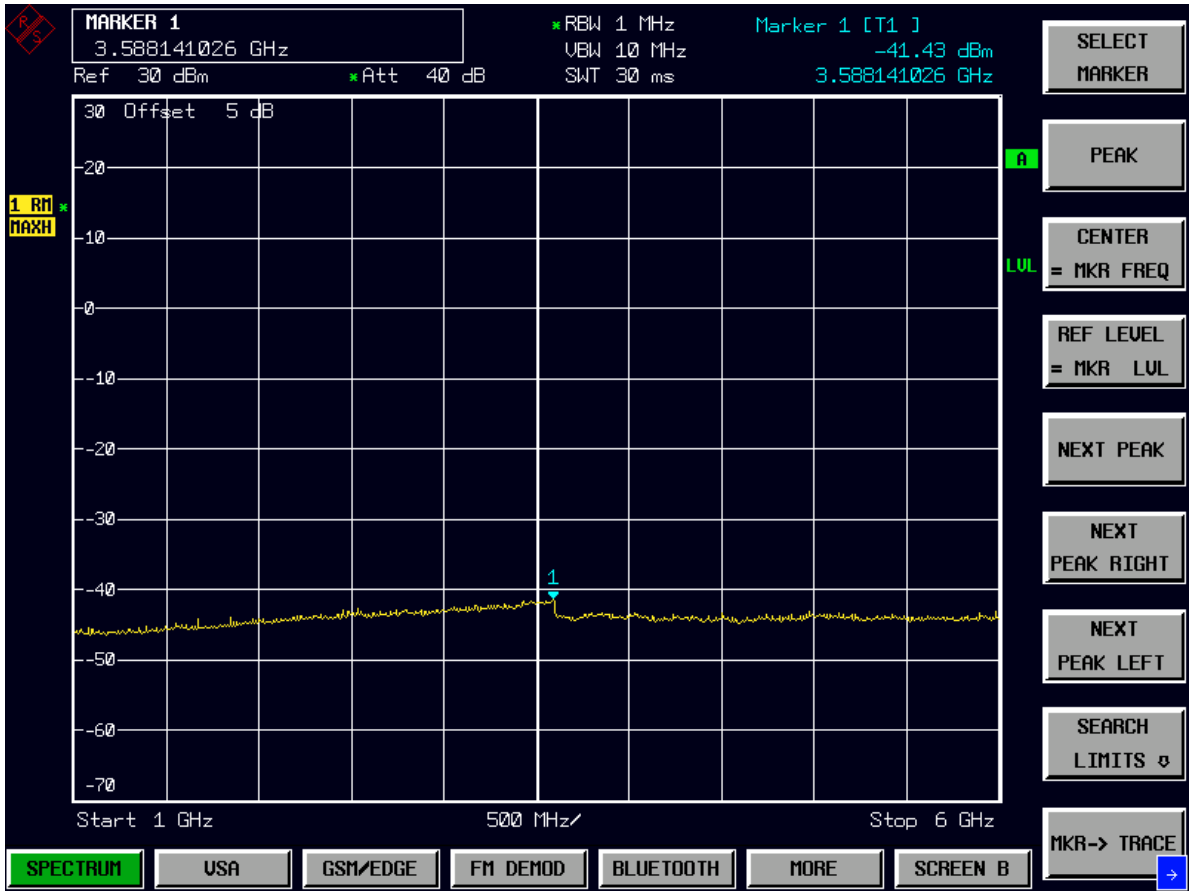


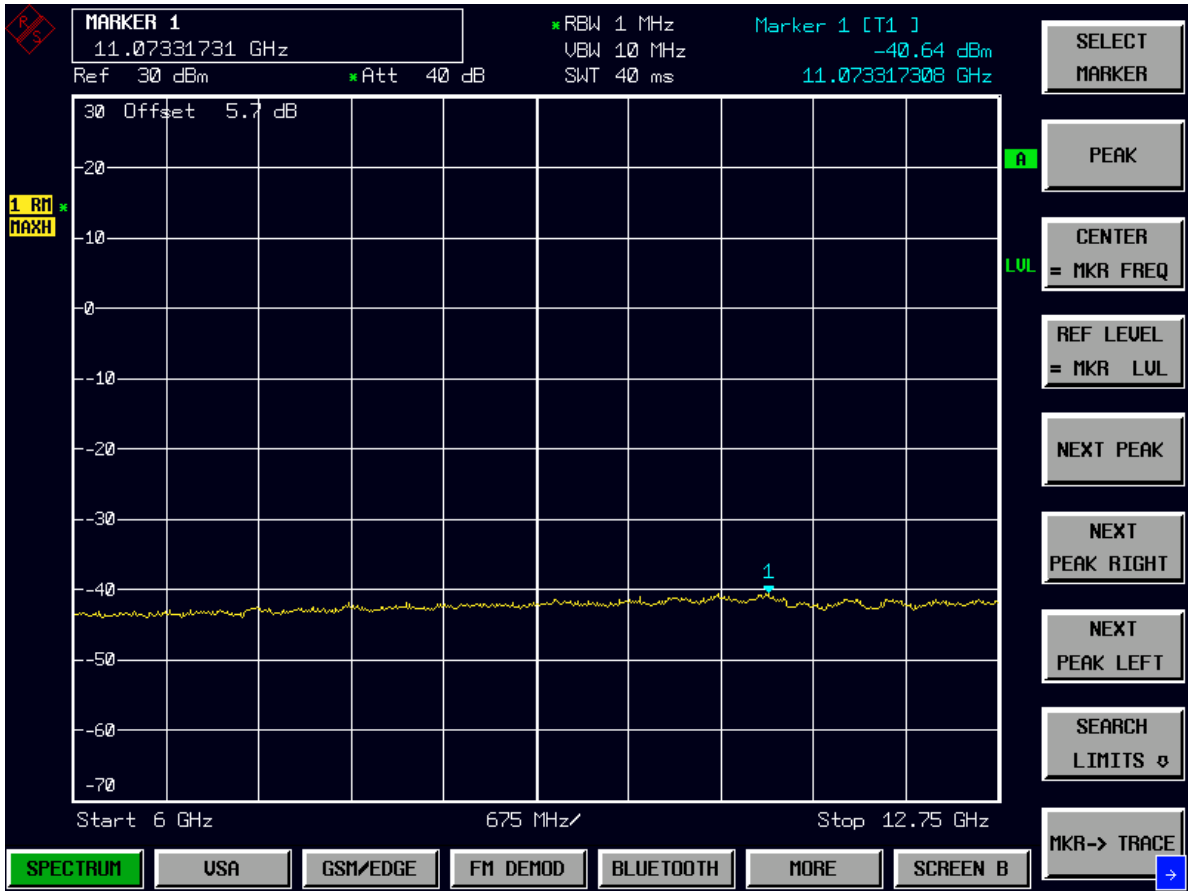




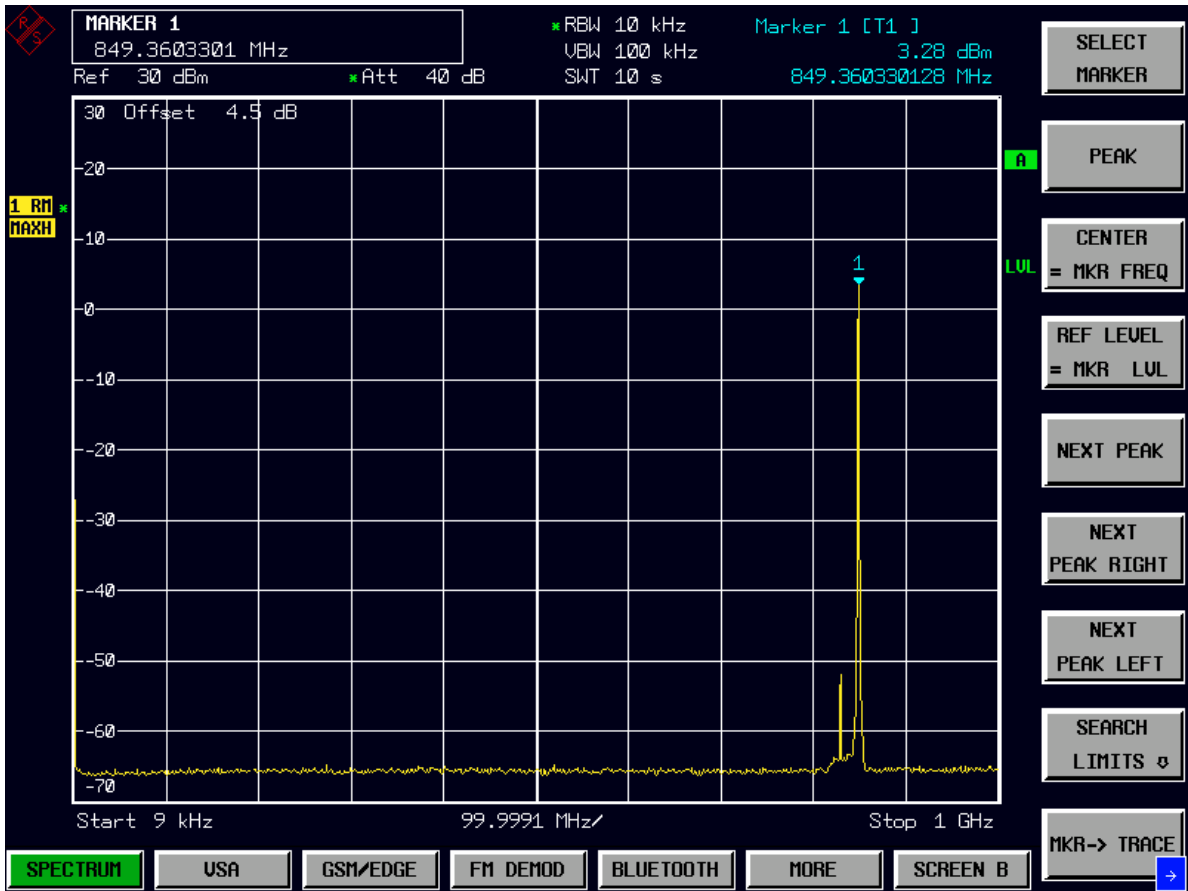
Channel 283

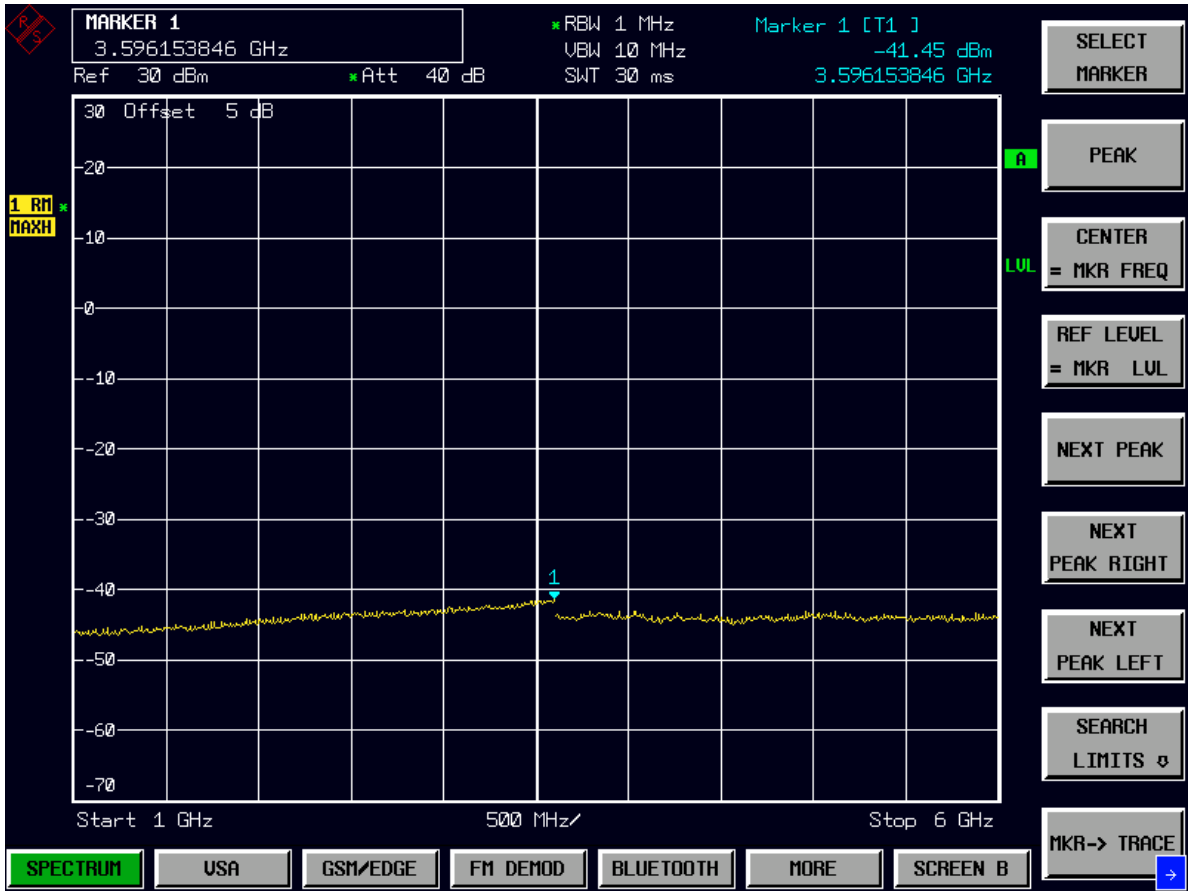


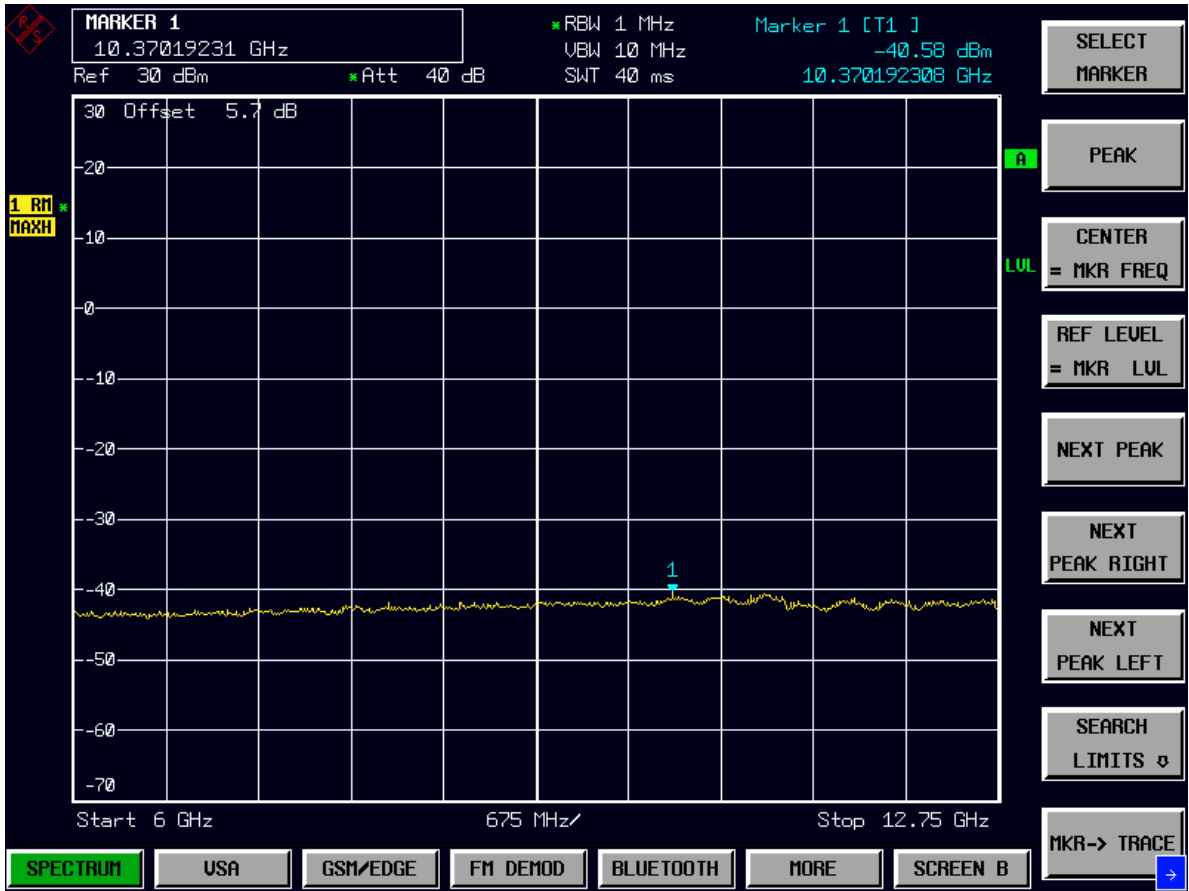




Channel 777



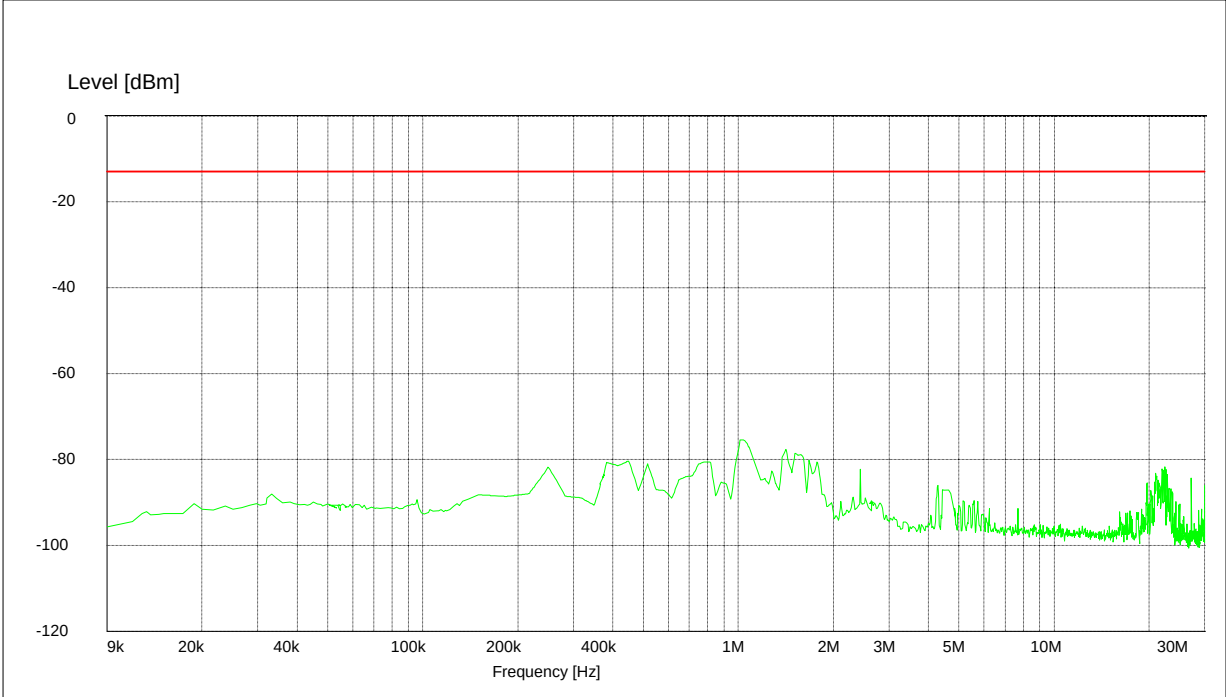




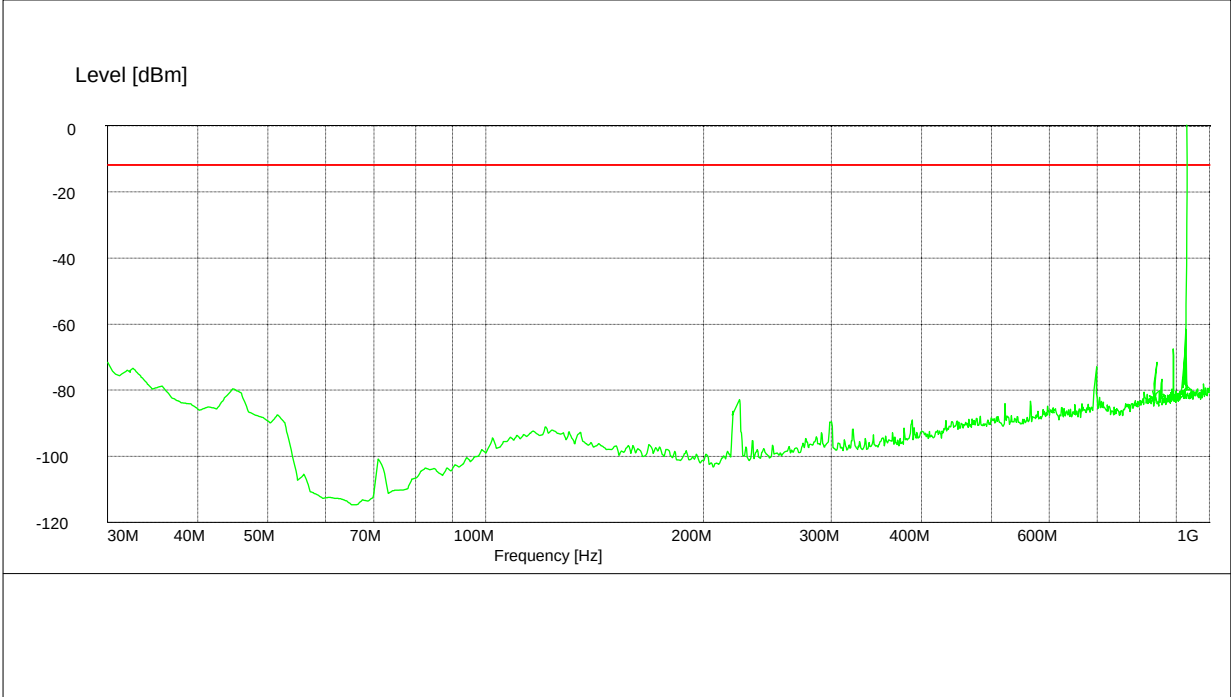
Appendix F

Field Strength of Spurious Radiation According to CFR 47 (FCC) part 2.1053 & 22.917(e)

TRA Mode (9kHz-30MHz)



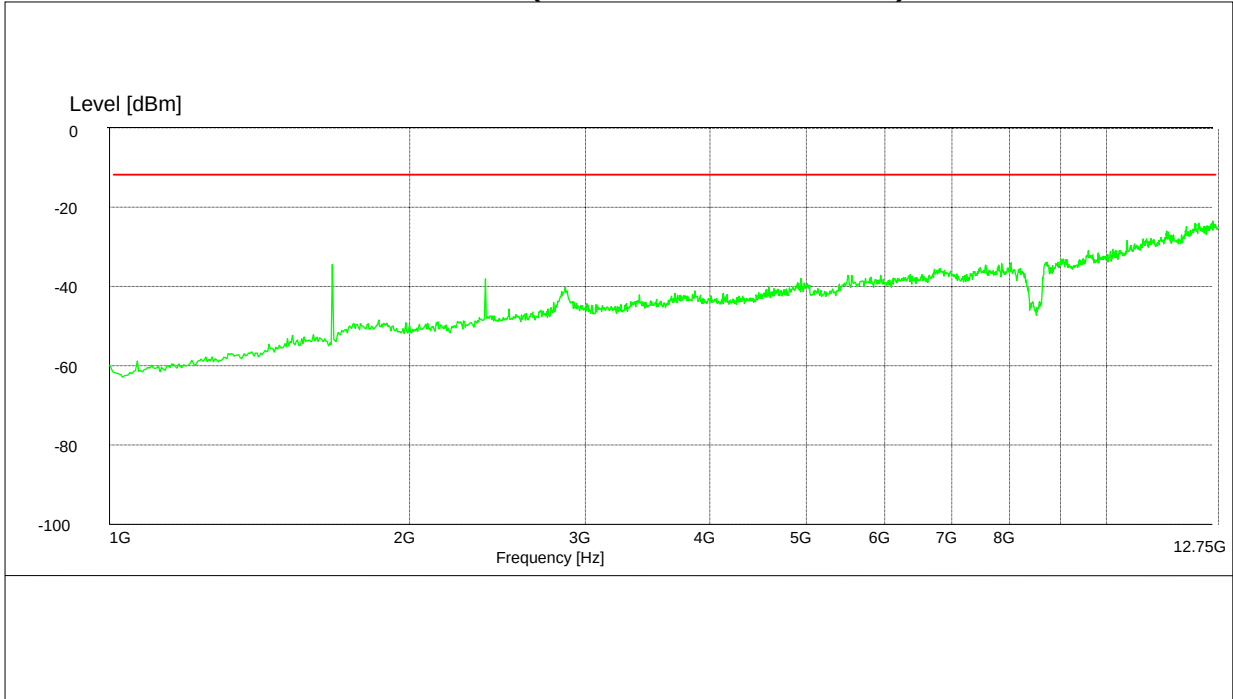
TRA Mode (30MHz-1GHz)



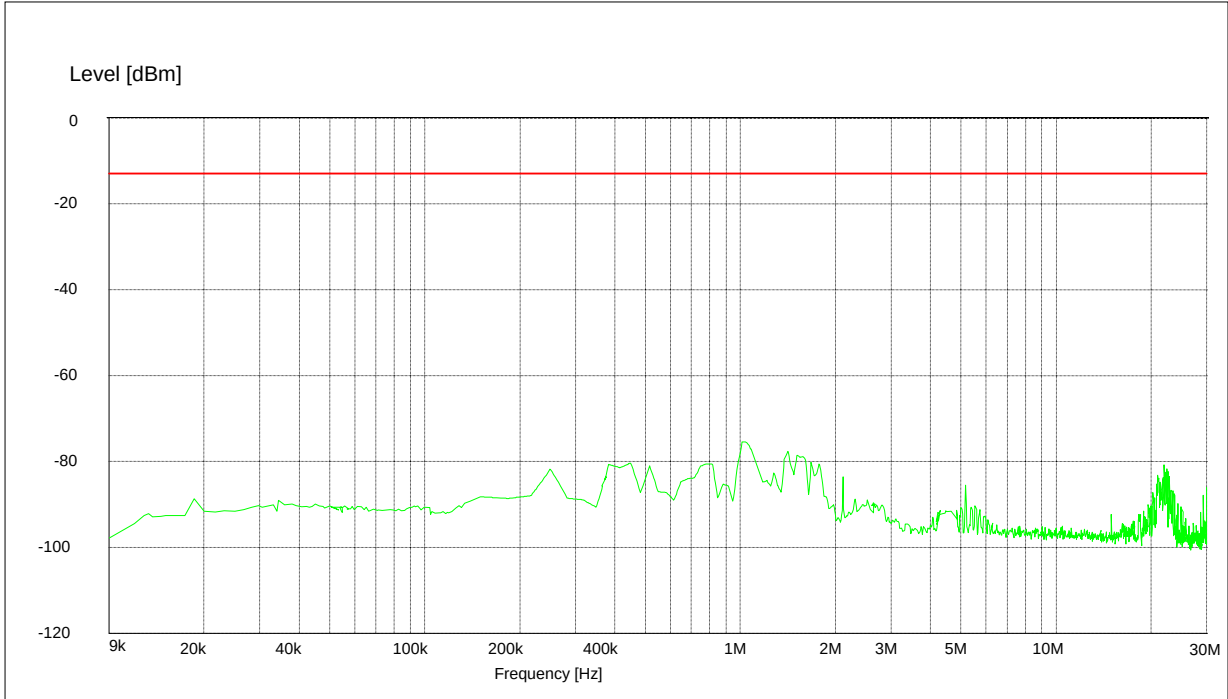
Note: The frequency which exceeded the limit was the carrier frequency.



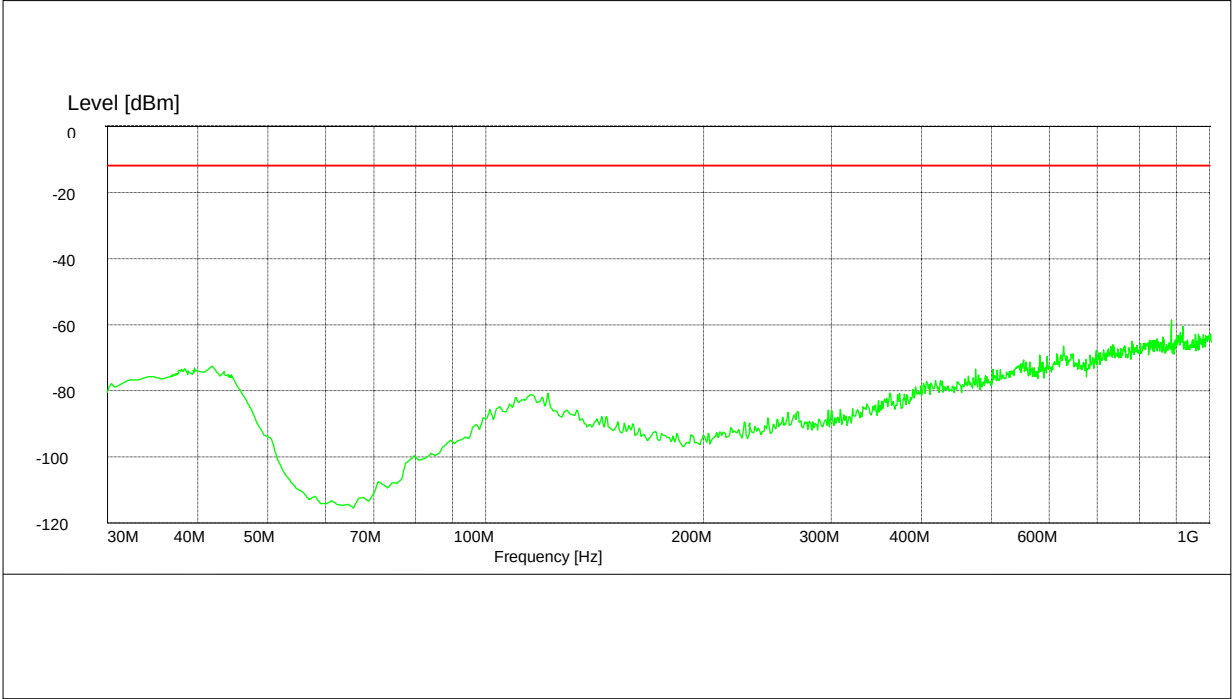
TRA Mode (1GHz-12.75GHz)



IDLE Mode (9 kHz-30MHz)

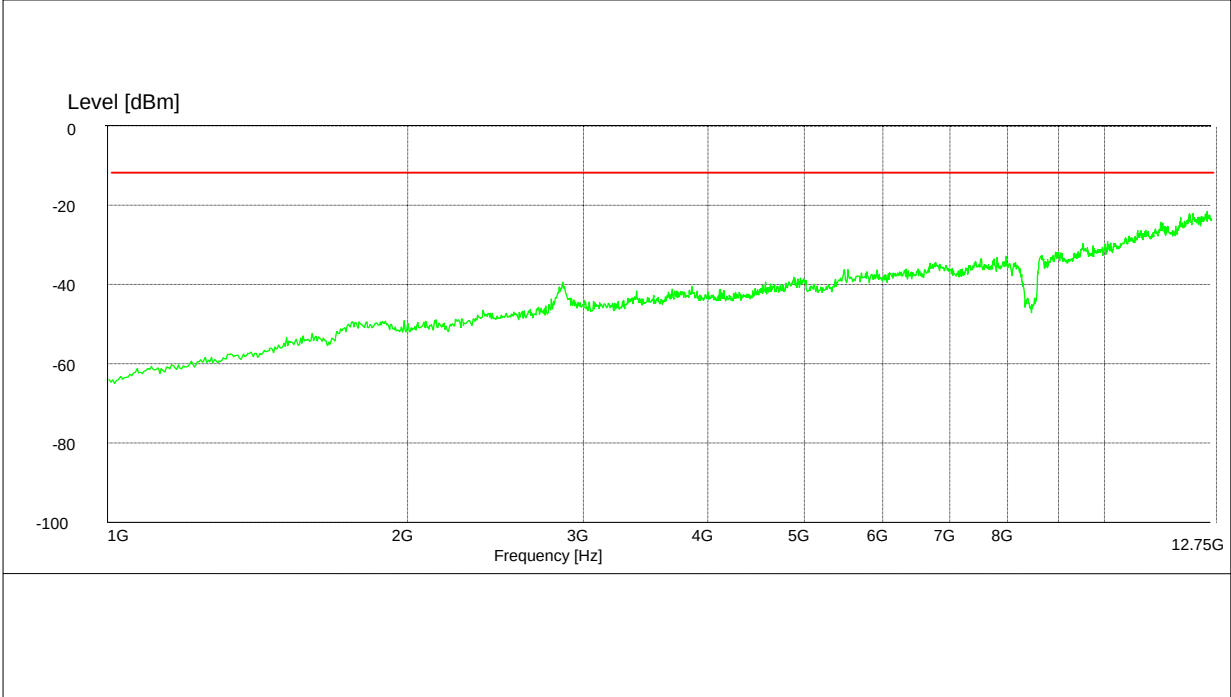


IDLE Mode (30MHz-1GHz)





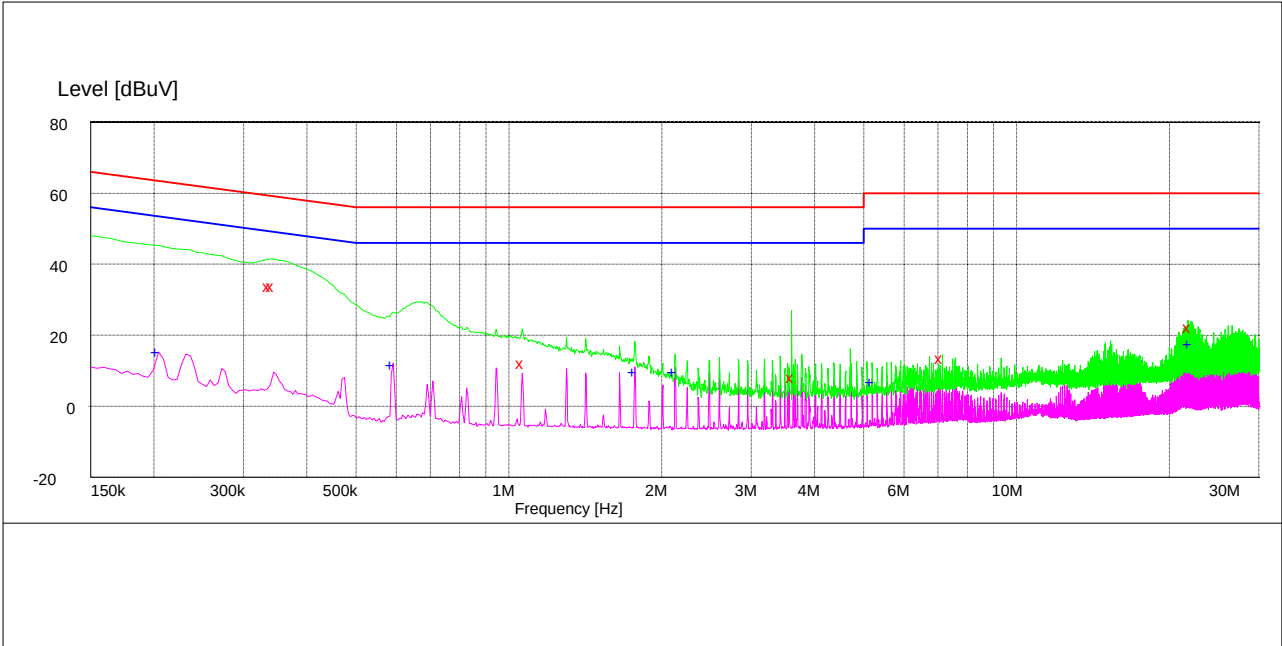
IDLE Mode (1GHz-12.75GHz)



Appendix G

Conducted Emission at Power Port

According to CFR 47 (FCC) part 15.107



MEASUREMENT RESULT: QP DECTER

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.339000	34.20	0.9	59	25.0	L2	FLO
0.343500	34.20	0.8	59	24.9	L2	FLO
1.068000	12.80	0.6	56	43.2	L2	FLO
3.628500	8.80	0.5	56	47.2	L2	FLO
7.143000	14.10	0.8	60	45.9	L2	FLO
21.979500	22.70	2.9	60	37.3	L2	FLO

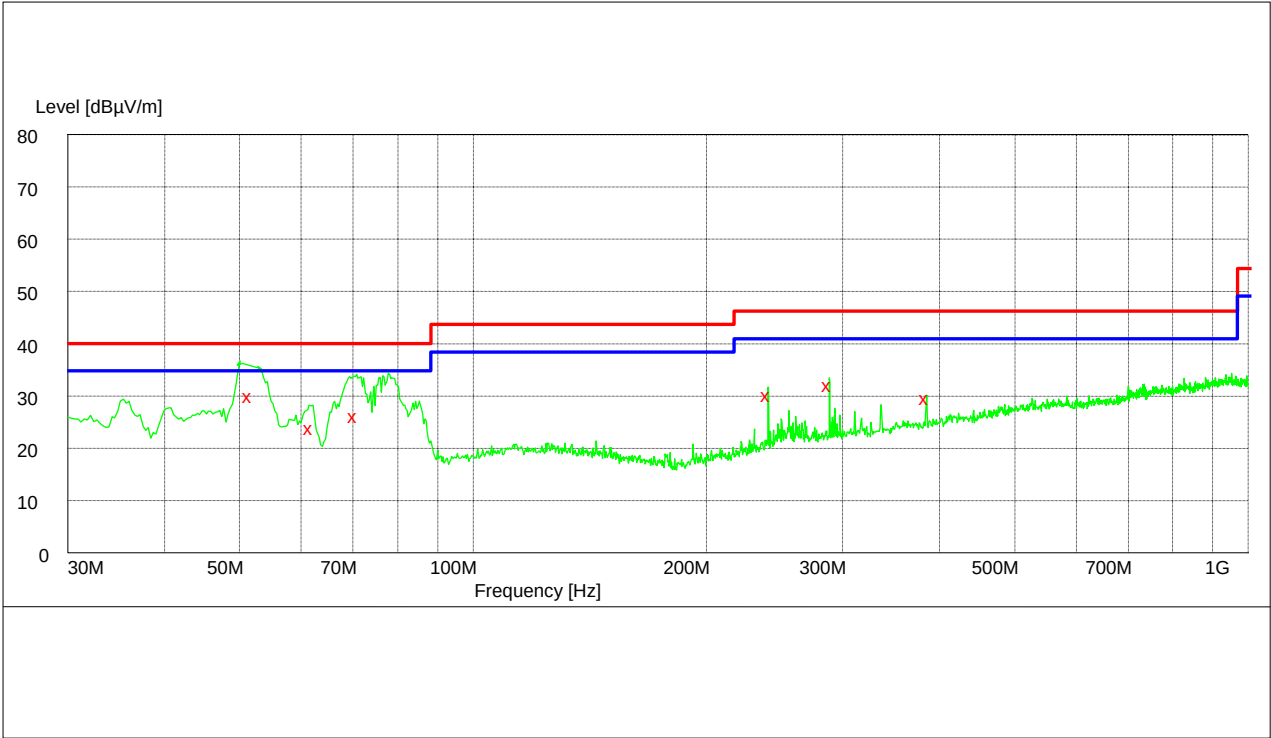
MEASUREMENT RESULT: "AV DECTER"

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.204000	15.60	1.4	53	37.9	L2	FLO
0.591000	12.20	0.6	46	33.8	L2	FLO
1.774500	10.00	0.6	46	36.0	L2	FLO
2.125500	10.20	0.5	46	35.8	L2	FLO
5.199000	7.30	0.6	50	42.7	L2	FLO
21.979500	18.00	2.9	50	32.0	L2	FLO

Appendix H

Radiated Emission of Enclosure in Idle Mode

According to CFR 47 (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
51.600000	30.30	-13.8	40.0	6.7	115.0	144.00	VERTICAL
61.800000	24.30	-9.8	40.0	15.7	100.0	20.00	VERTICAL
70.500000	26.50	-10.8	43.5	17.0	100.0	40.00	VERTICAL
240.600000	30.50	-11.7	46.0	15.5	105.0	30.00	VERTICAL
288.300000	32.40	-6.2	46.0	13.6	105.0	105.00	VERTICAL
384.770000	30.00	-5.1	46.0	16.0	100.0	10.00	VERTICAL

Appendix I

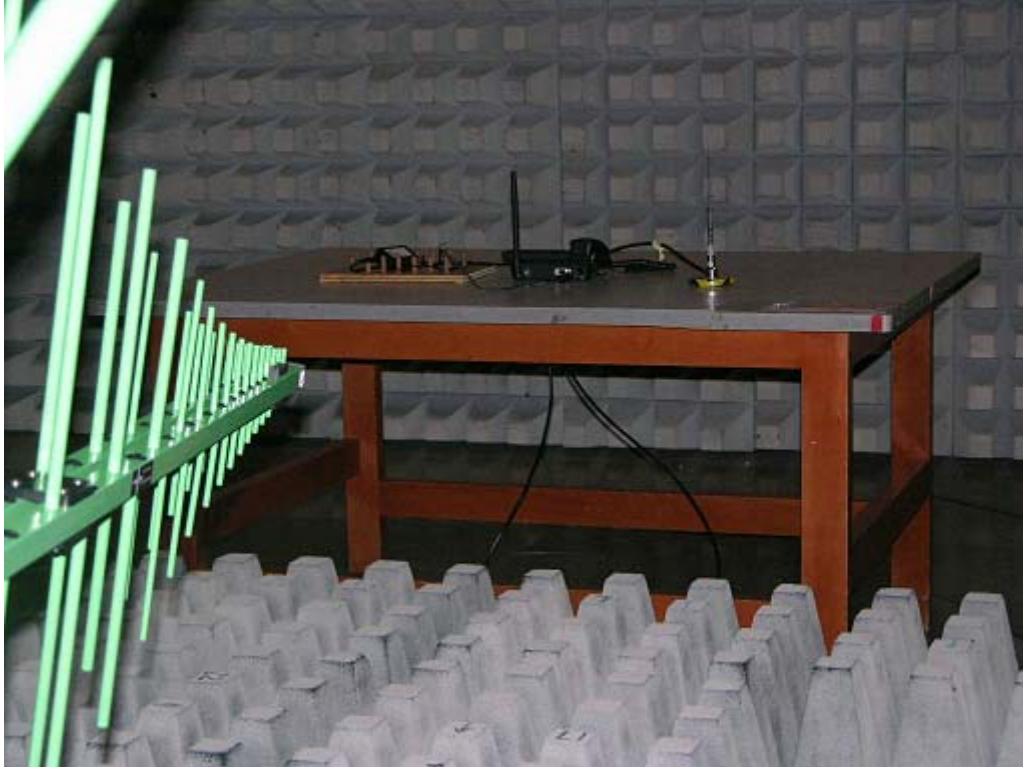
Photos of Test Setup

1 Radiated Emissions



Radiated Disturbance

2 Radiated Spurious Emissions

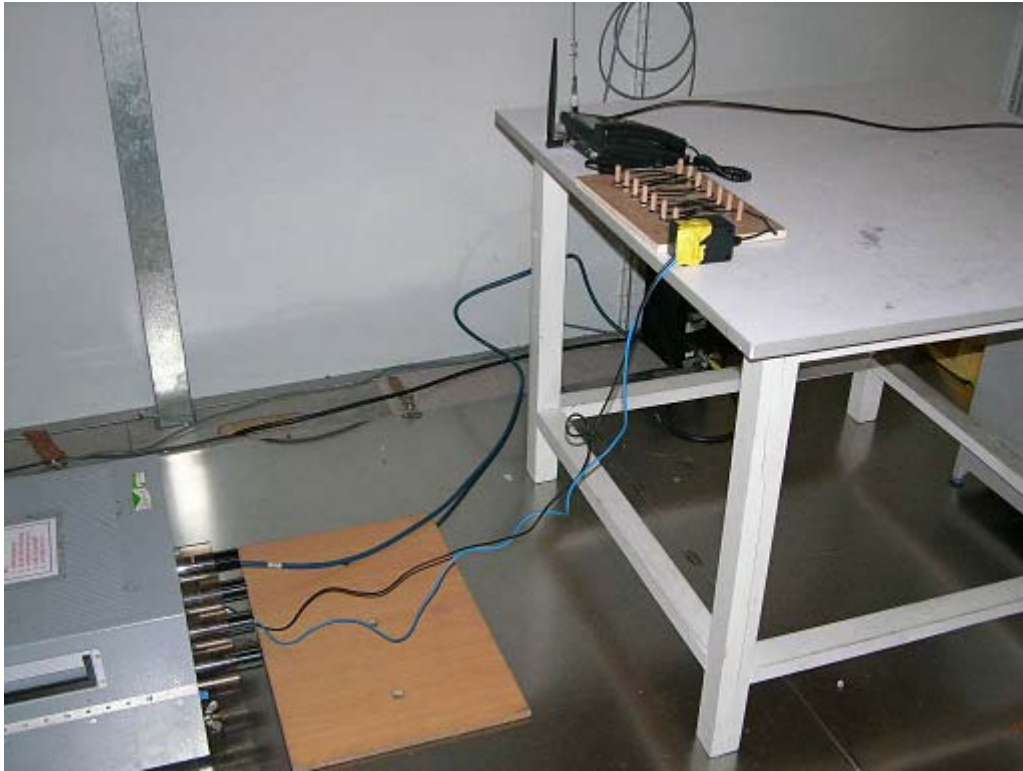


Radiated Spurious Emission (below 1GHz)



Radiated Spurious Emission (above 1GHz)

3 Conducted Emissions



Conducted Emissions for AC Ports