

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 Params		
Max/Min Power Setup ▾		Maximum Power 24.62 dBm Minimum Power -59.50 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		
										1013		
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				
								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 24.52 dBm Minimum Power -59.67 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	(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 283

TM1:

Measurement/Instrument Screen									
Control	Maximum/Minimum Power							Call Parm	
Max/Min Power Setup ▾	Maximum Power24.20 dBm Minimum Power-59.29 dBm/1.23 MHz Single							Cell 1 Power	-25.00
								dBm/1.23 MHz	
Maximum Power Setup ▾								Cell Band	US Cellular
								Channel	283
Minimum Power Setup ▾								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 24.24 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		
										(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 Parm		
Max/Min Power Setup ▾		Maximum Power 24.02 dBm Minimum Power -58.38 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 24.11 dBm Minimum Power -58.84 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		
										(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	

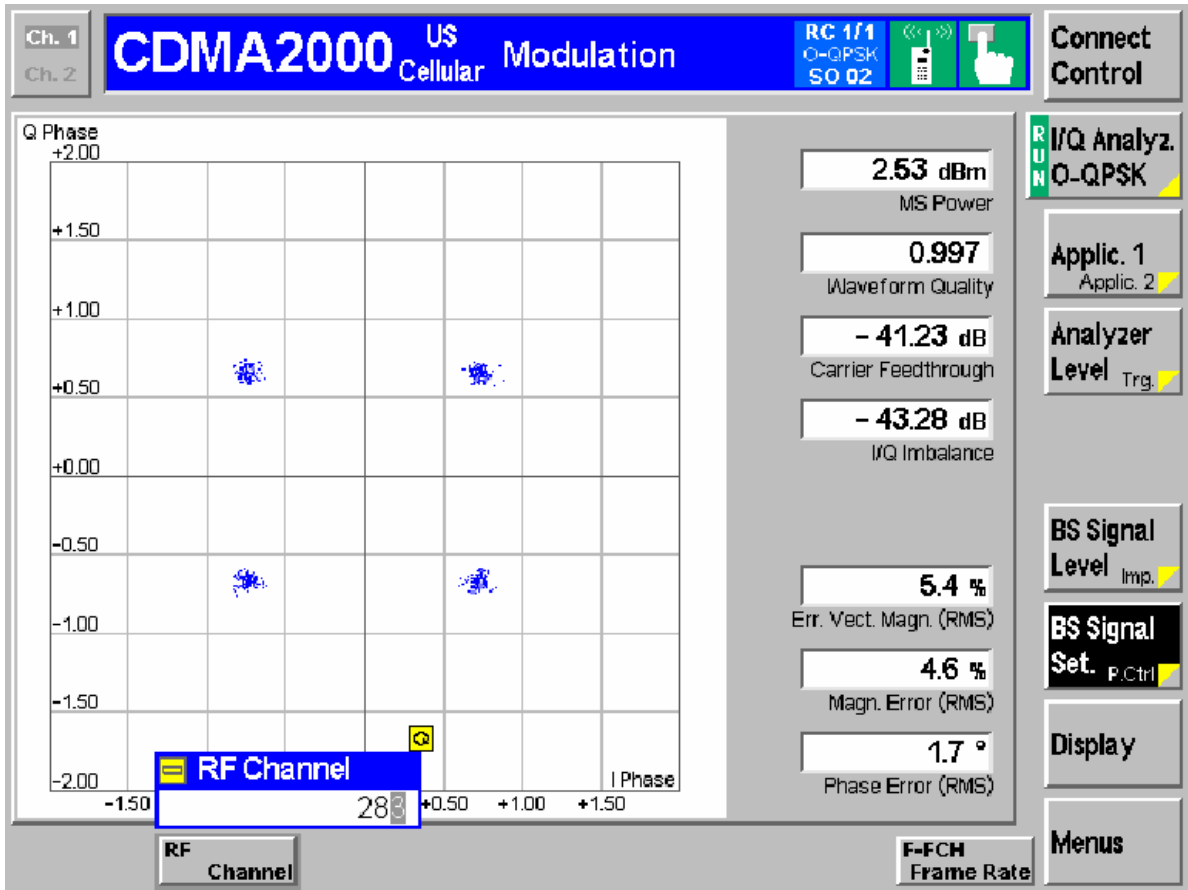
Appendix B

Modulation Characteristic Measurement

According to CFR 47 (FCC) part 2.1047 & 22.915

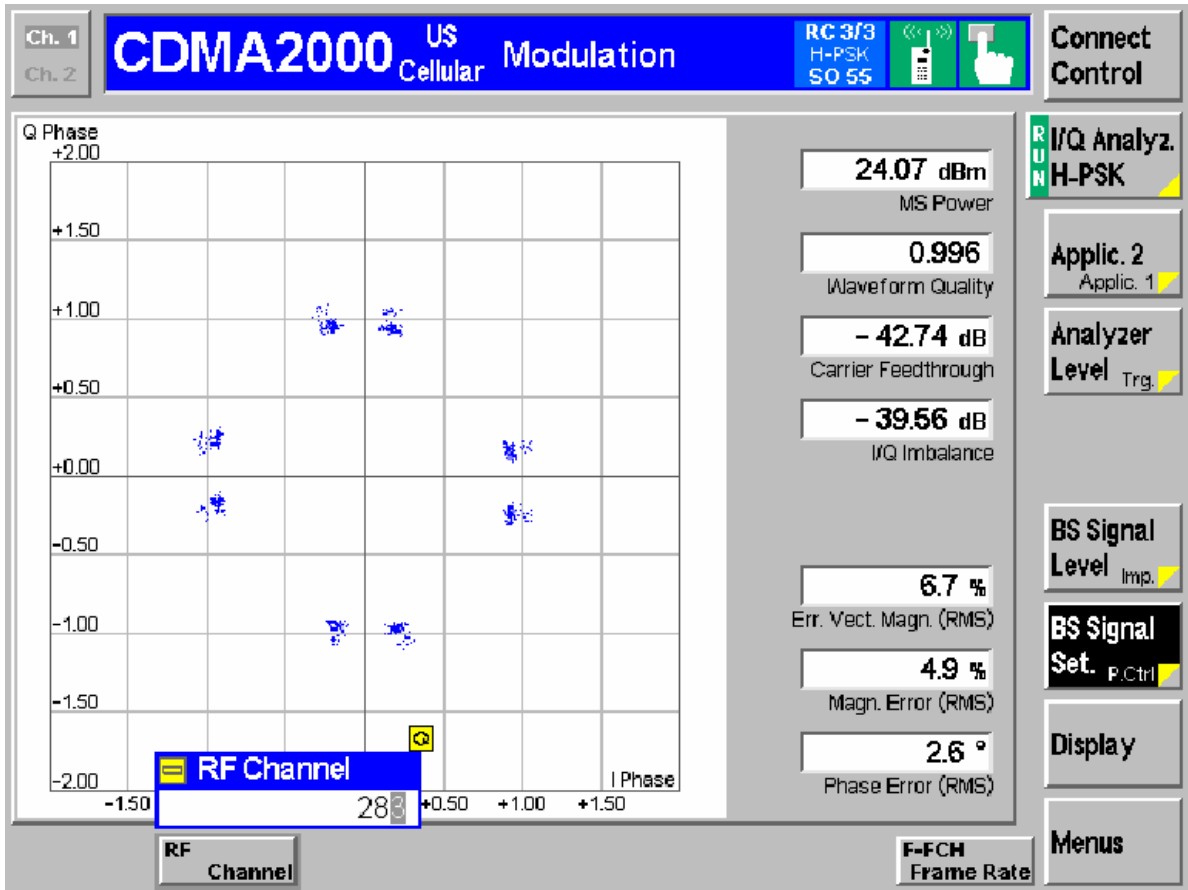


Channel 283 (TM1)





Channel 283 (TM3)



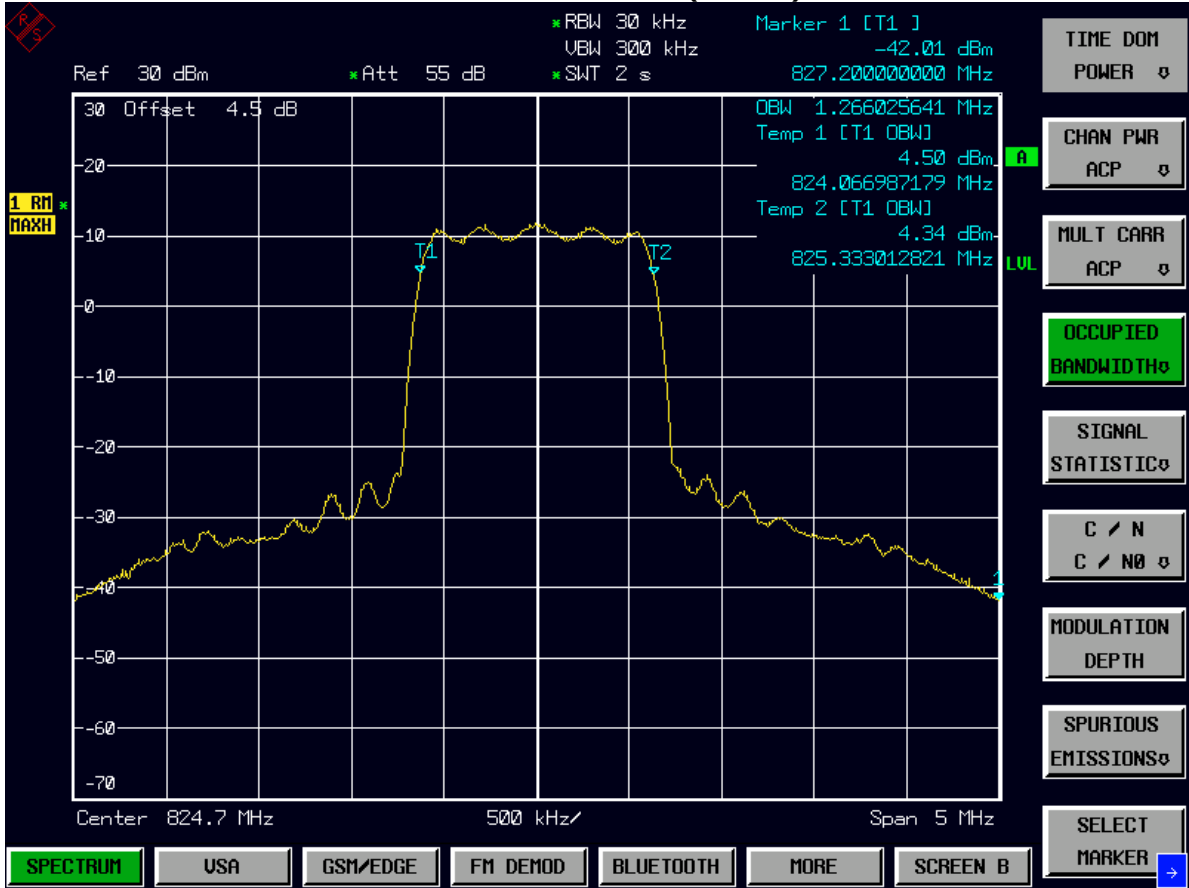
Appendix C

Occupied Bandwidth Measurement

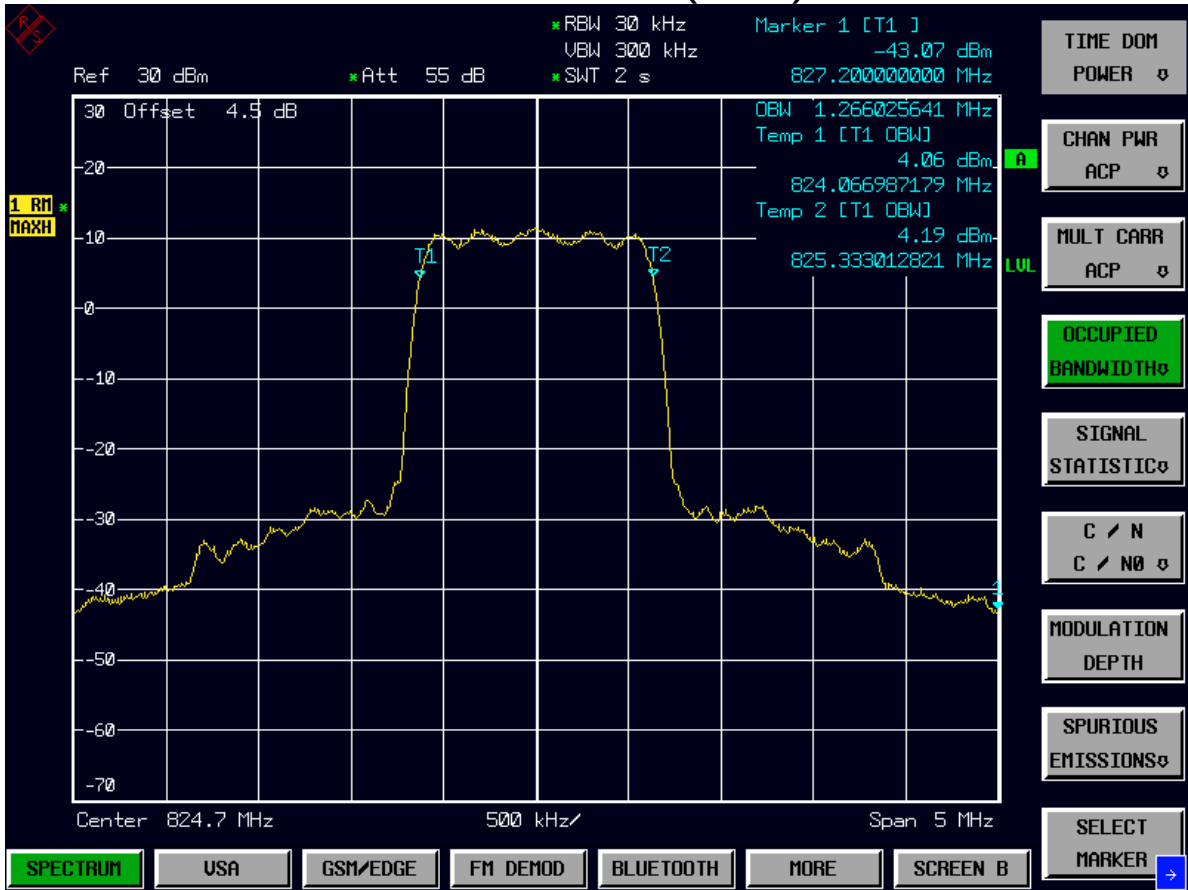
According to CFR 47 (FCC) part 2.1049& 22.917



Channel 1013(TM1)

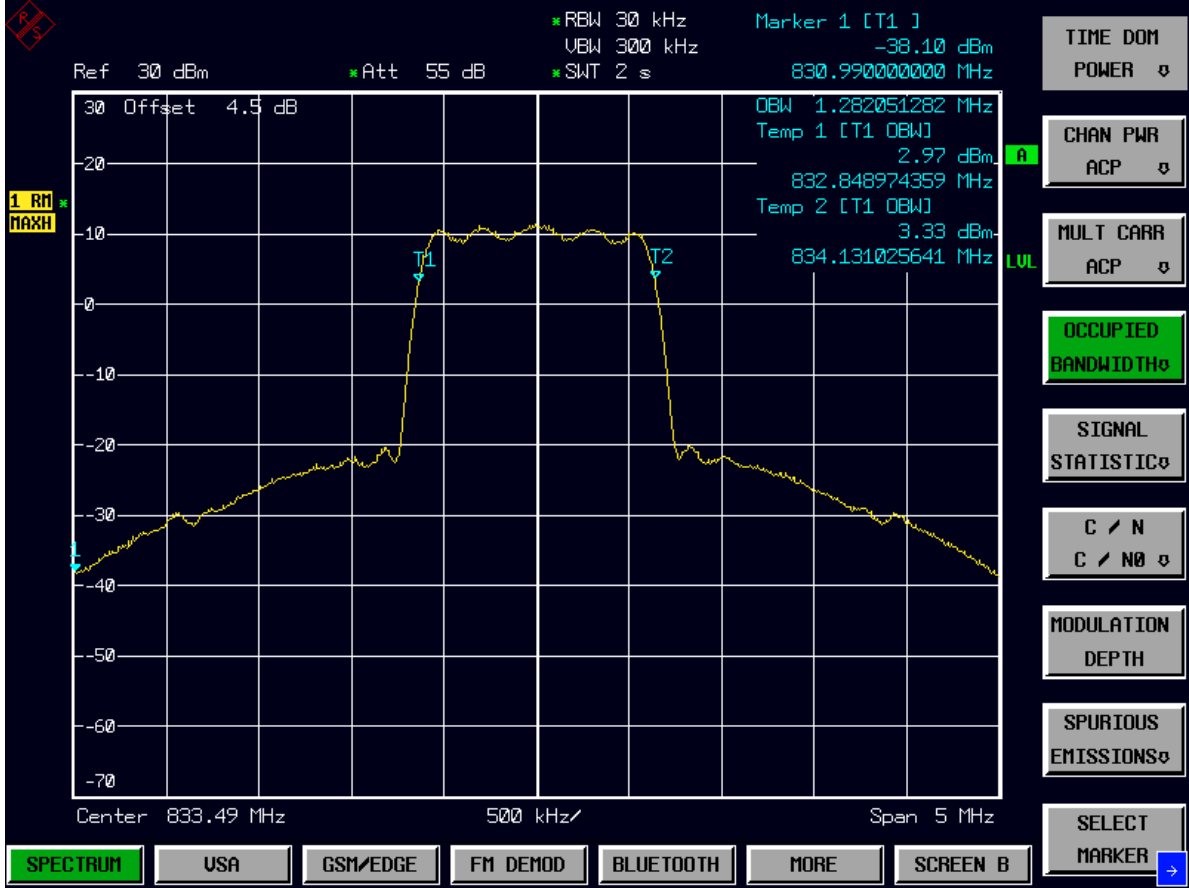


Channel 1013(TM3)

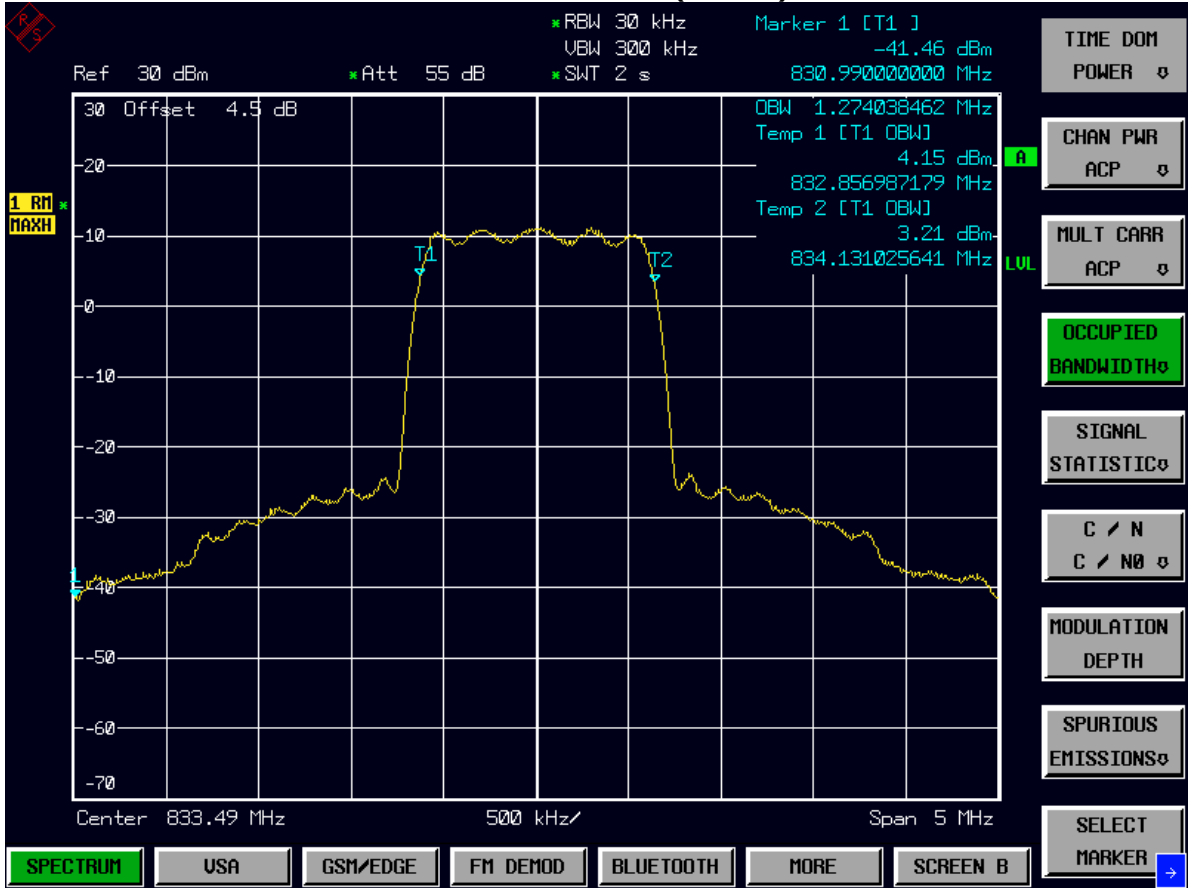




Channel 283(TM1)

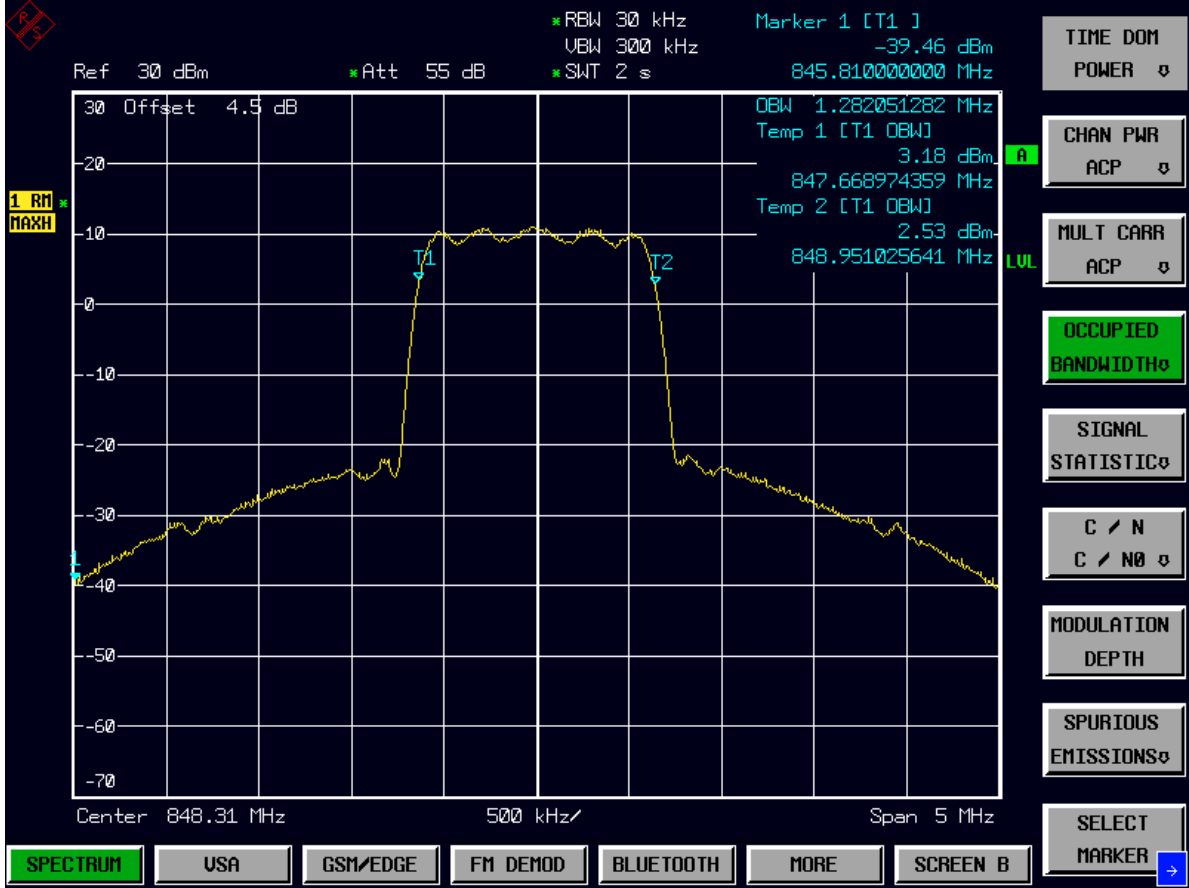


Channel 283(TM3)

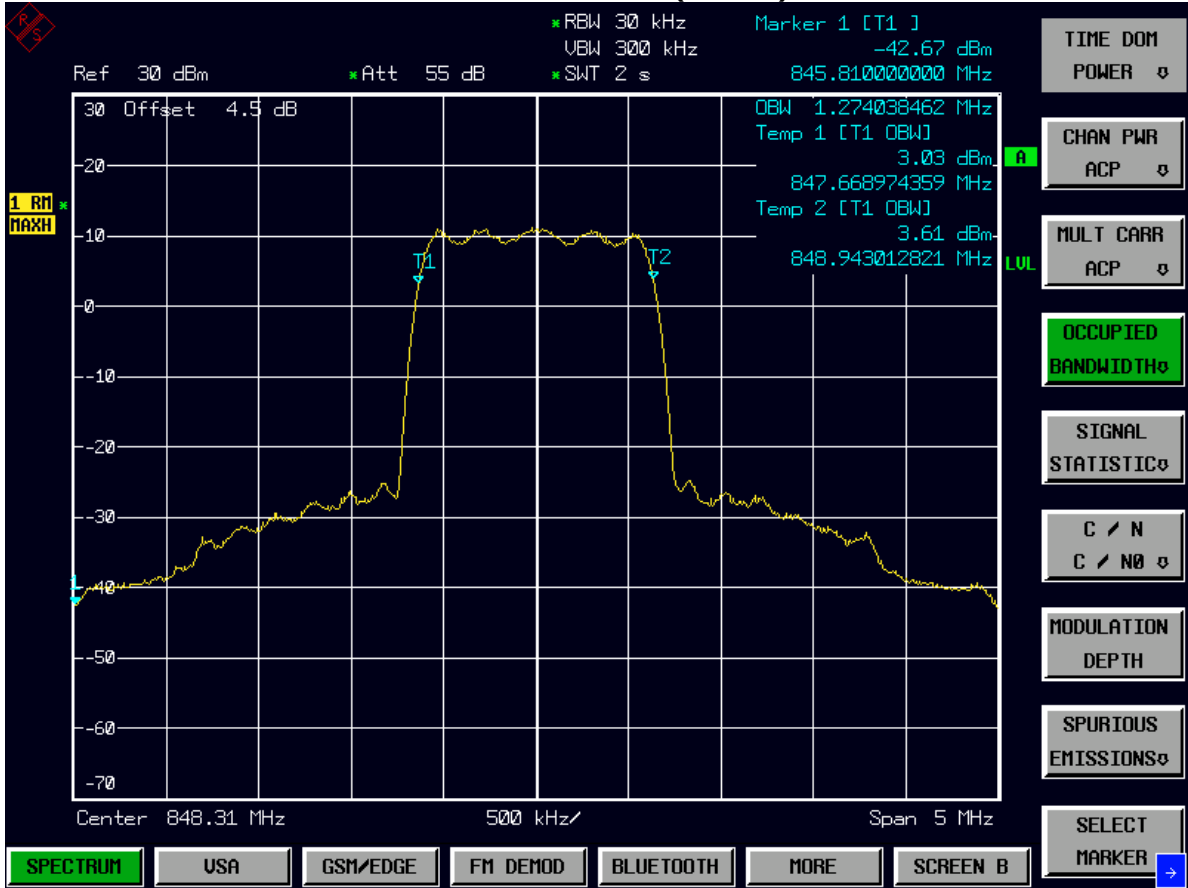




Channel 777(TM1)



Channel 777(TM3)



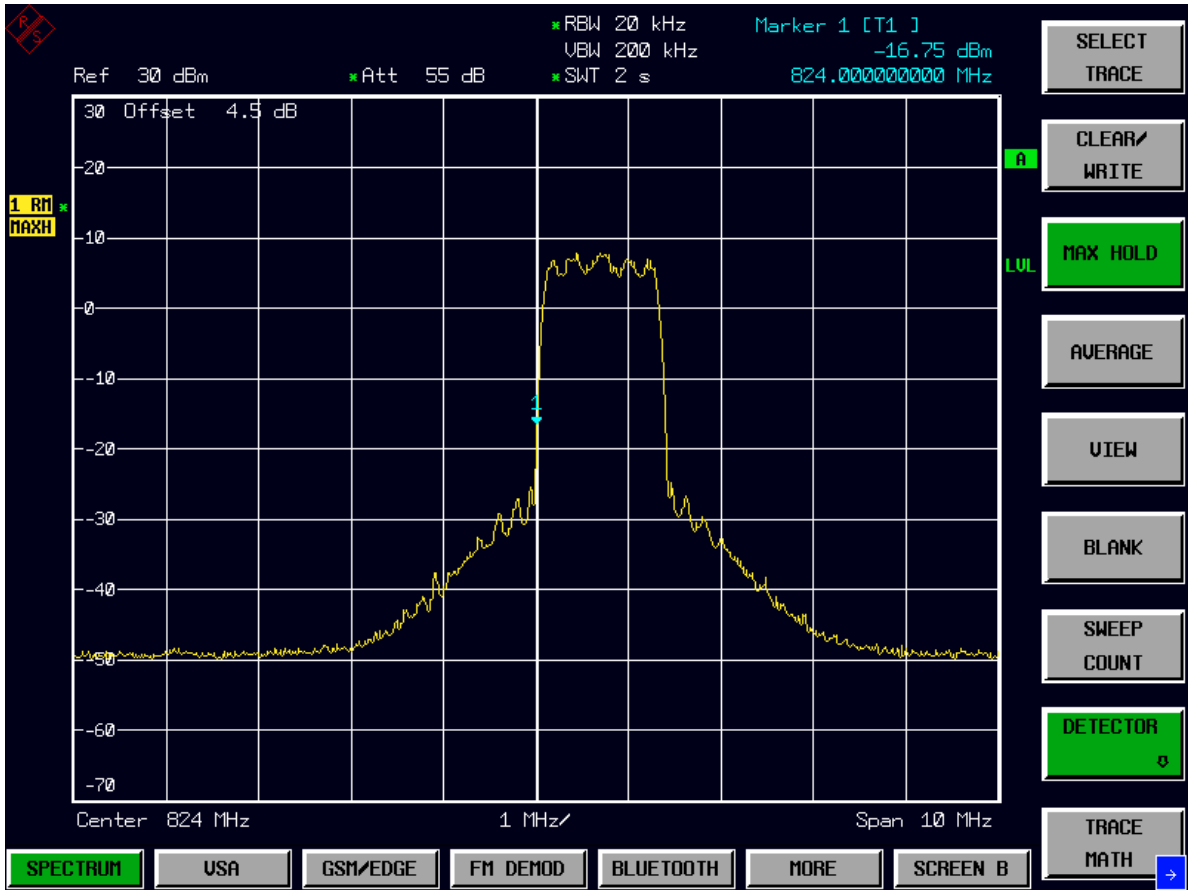
Appendix D

Band Edges compliance

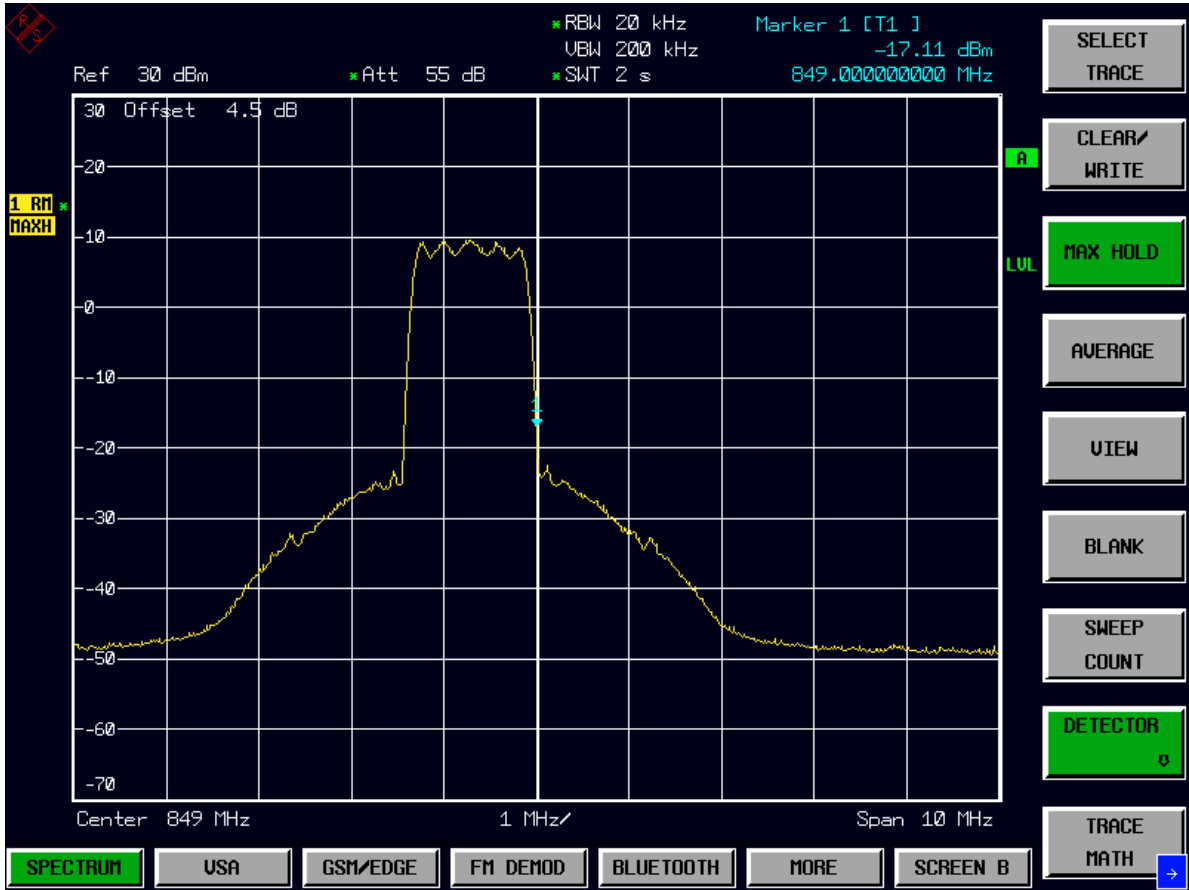
According to CFR 47 (FCC) part 2.1051 & 22.917(e)

TM1

Left Edge (824 MHz)
Channel 1013

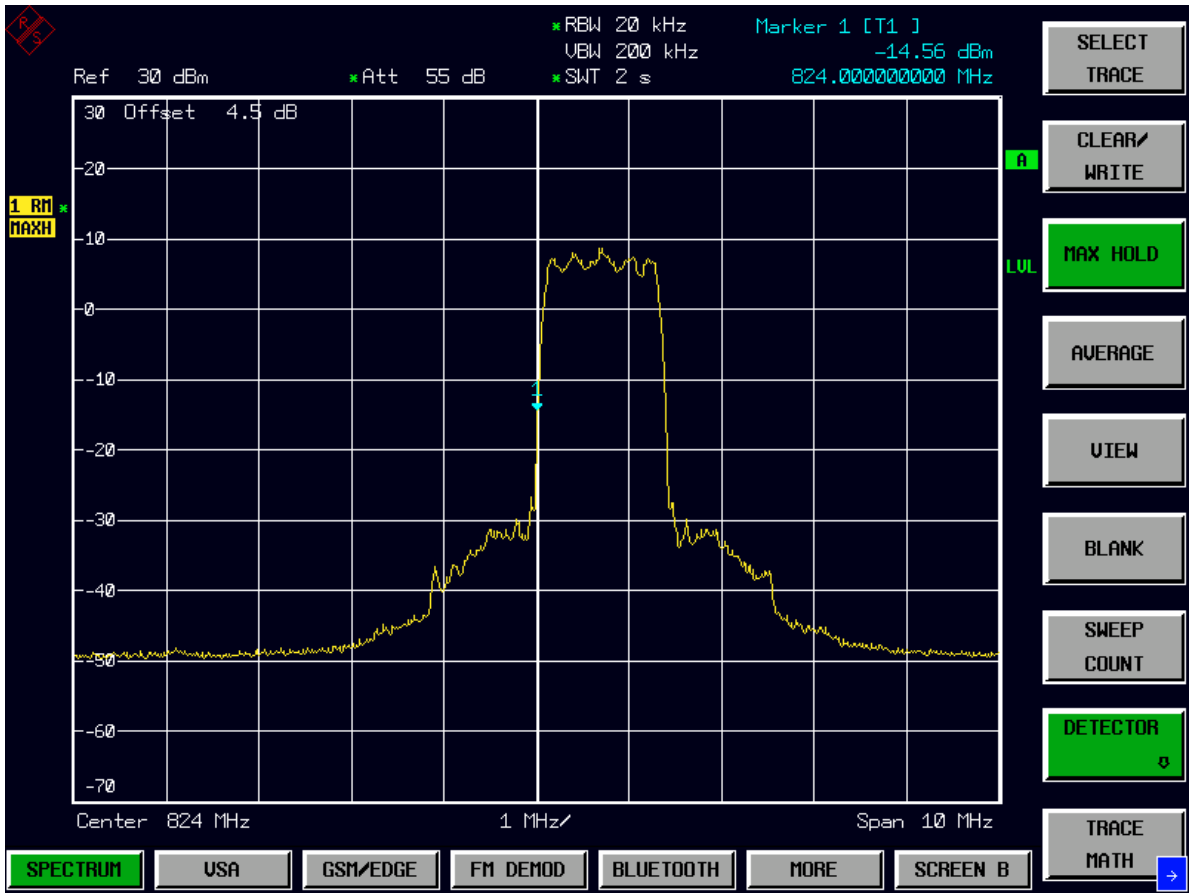


Right Edge (849MHz)
Channel 777



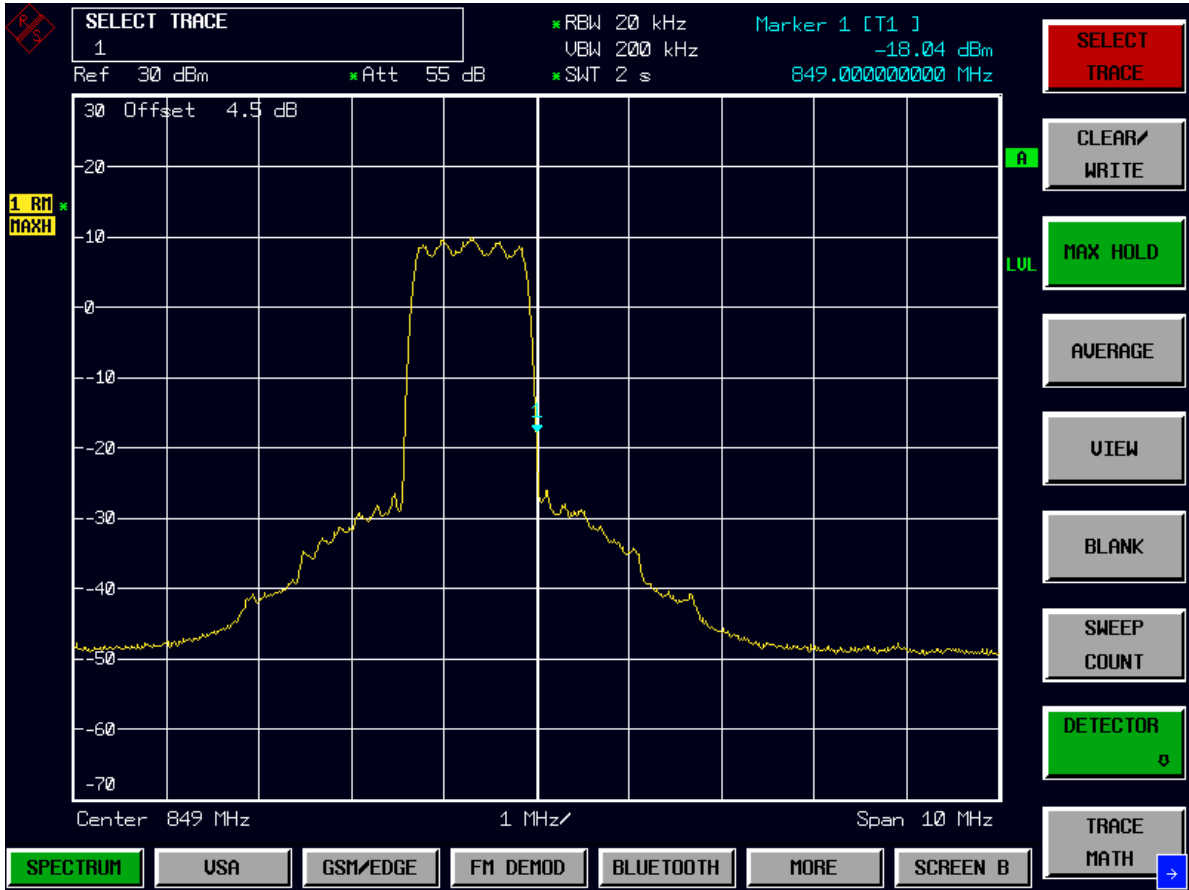
TM3

Left Edge (824 MHz)
Channel 1013





Right Edge (849MHz)
Channel 777



Appendix E

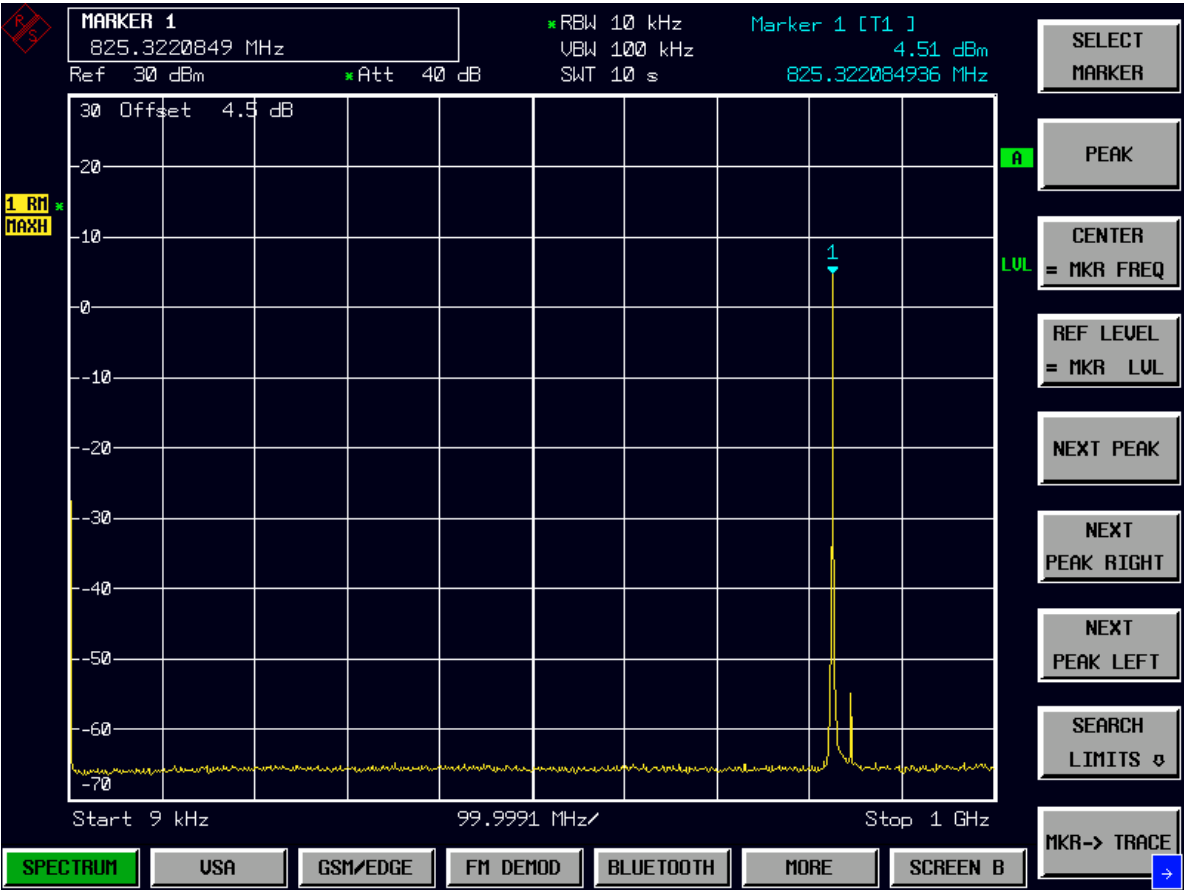
Spurious Emission at Antenna Terminal

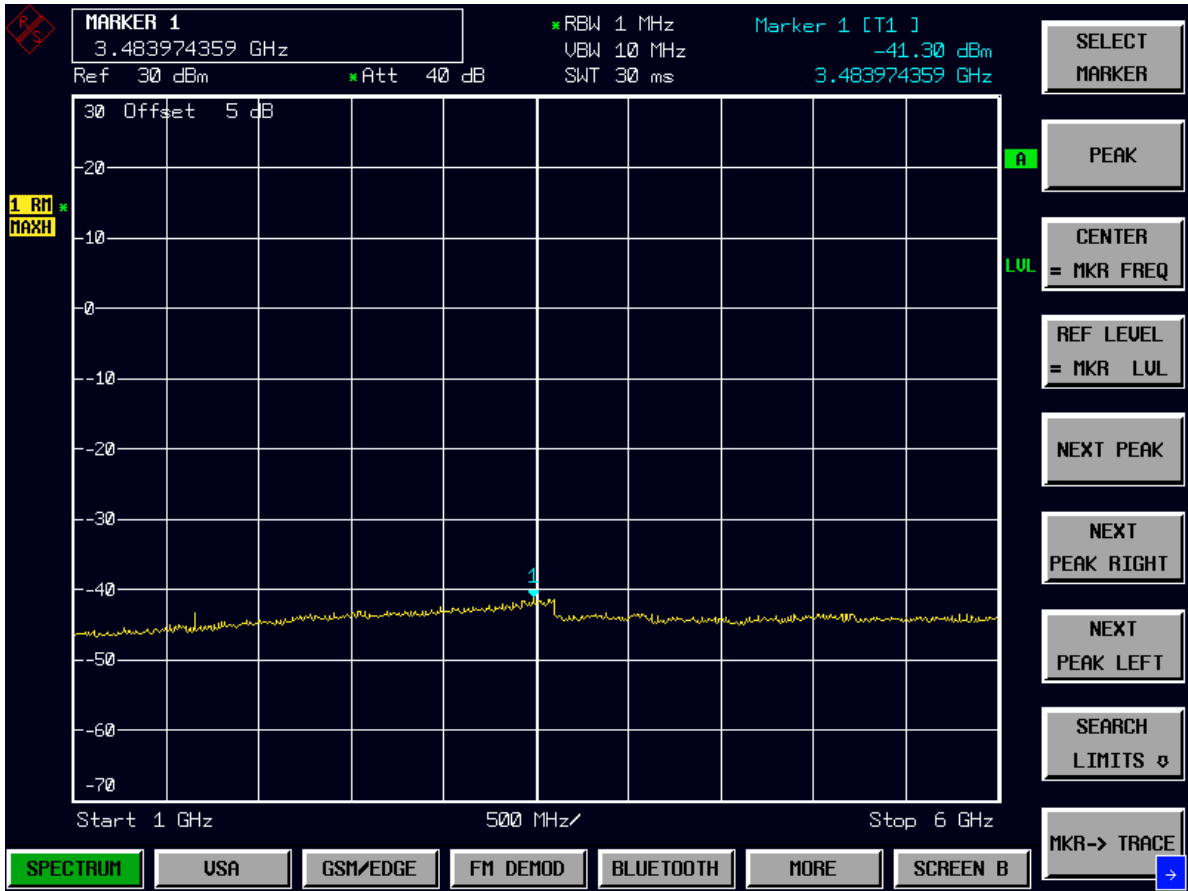
According to CFR 47 (FCC) part 2.1051 & 22.917(e)

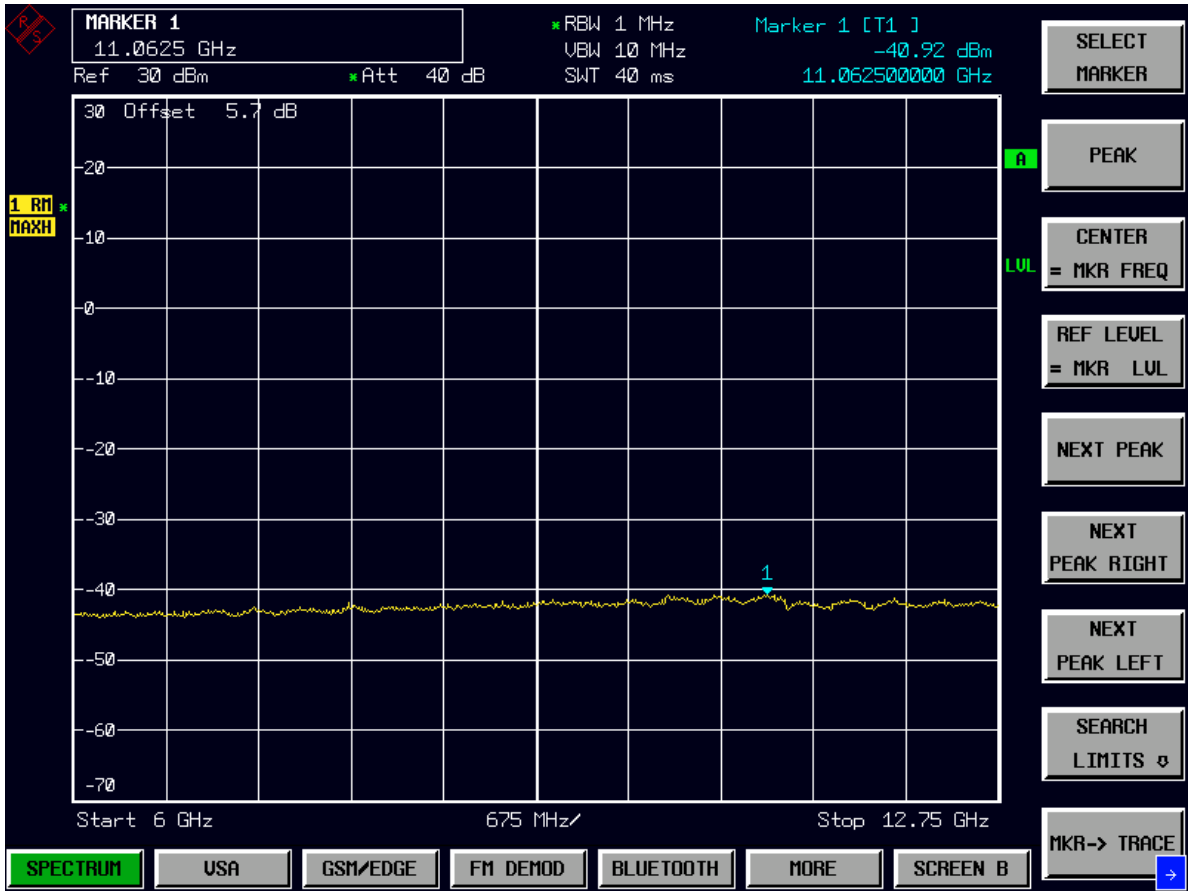


1.1 TM1

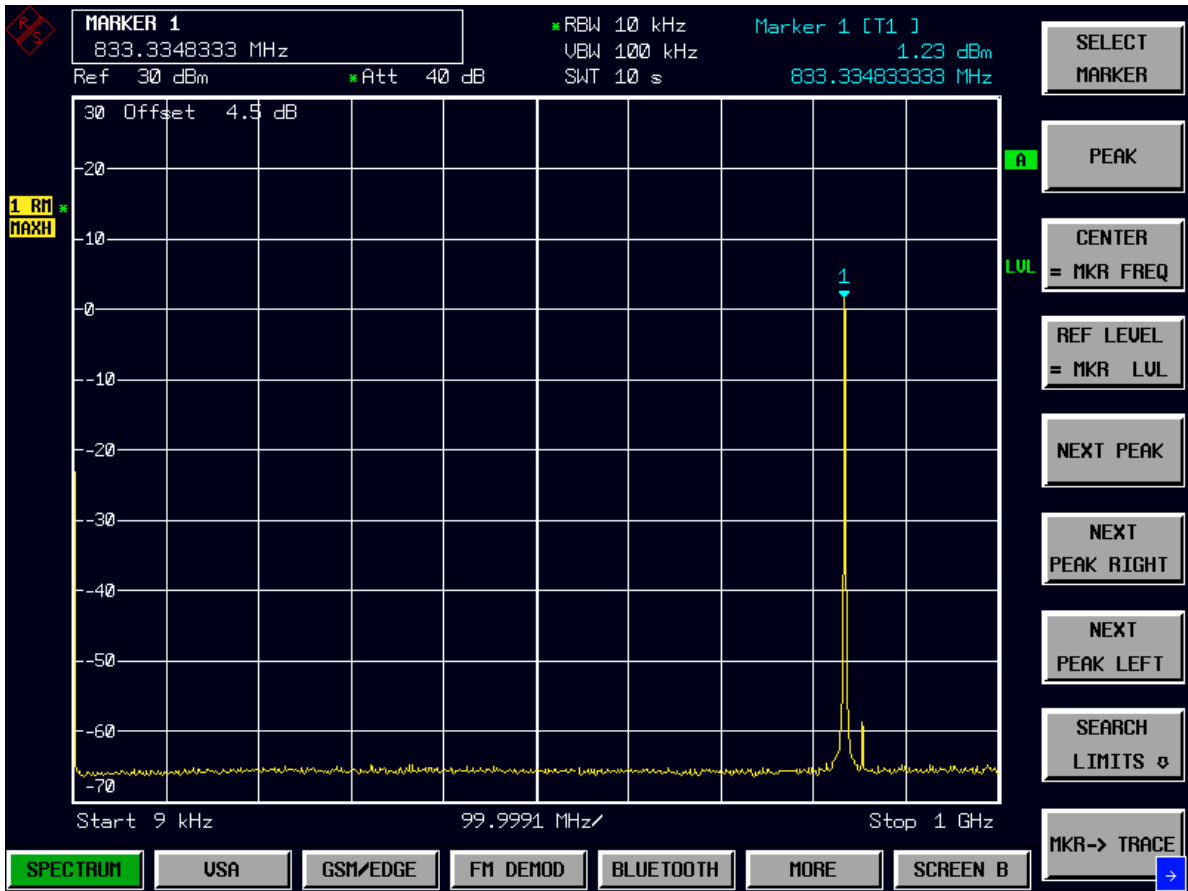
Channel 1013

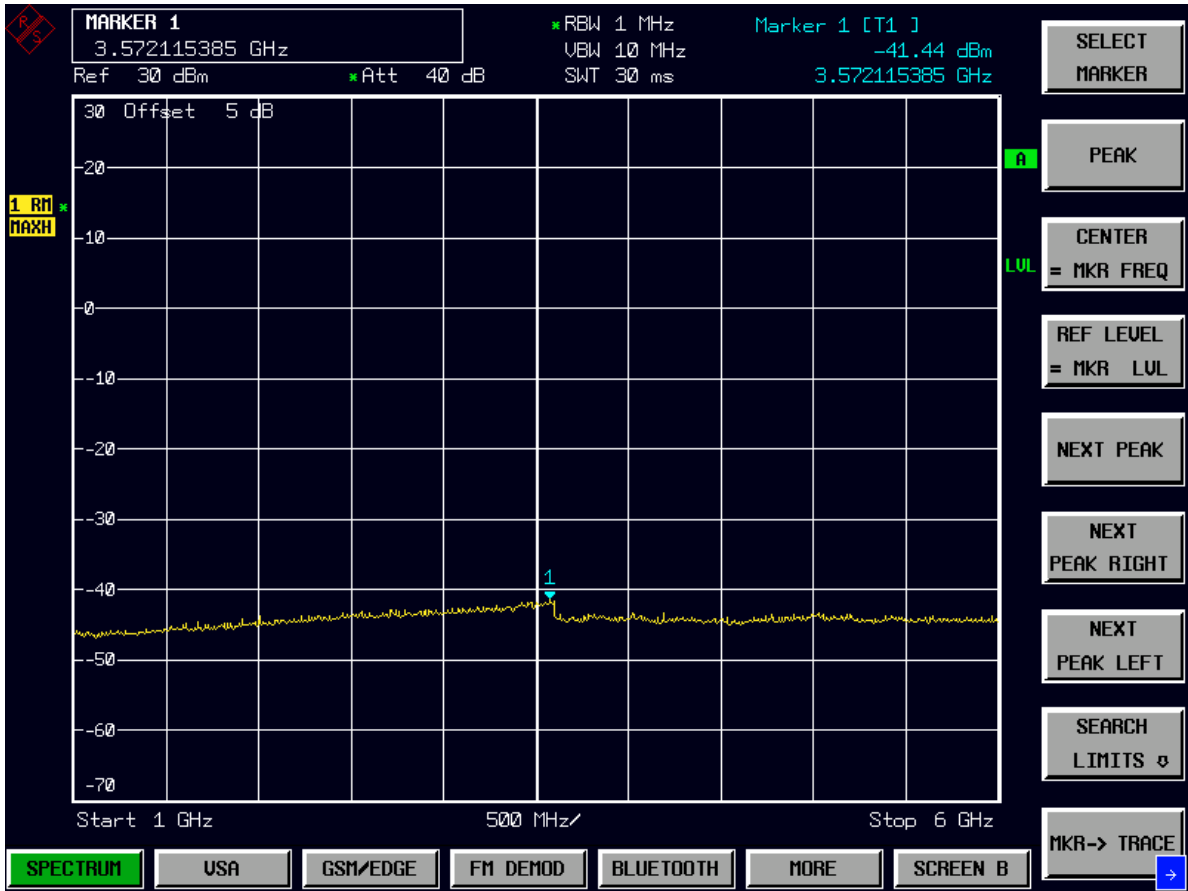


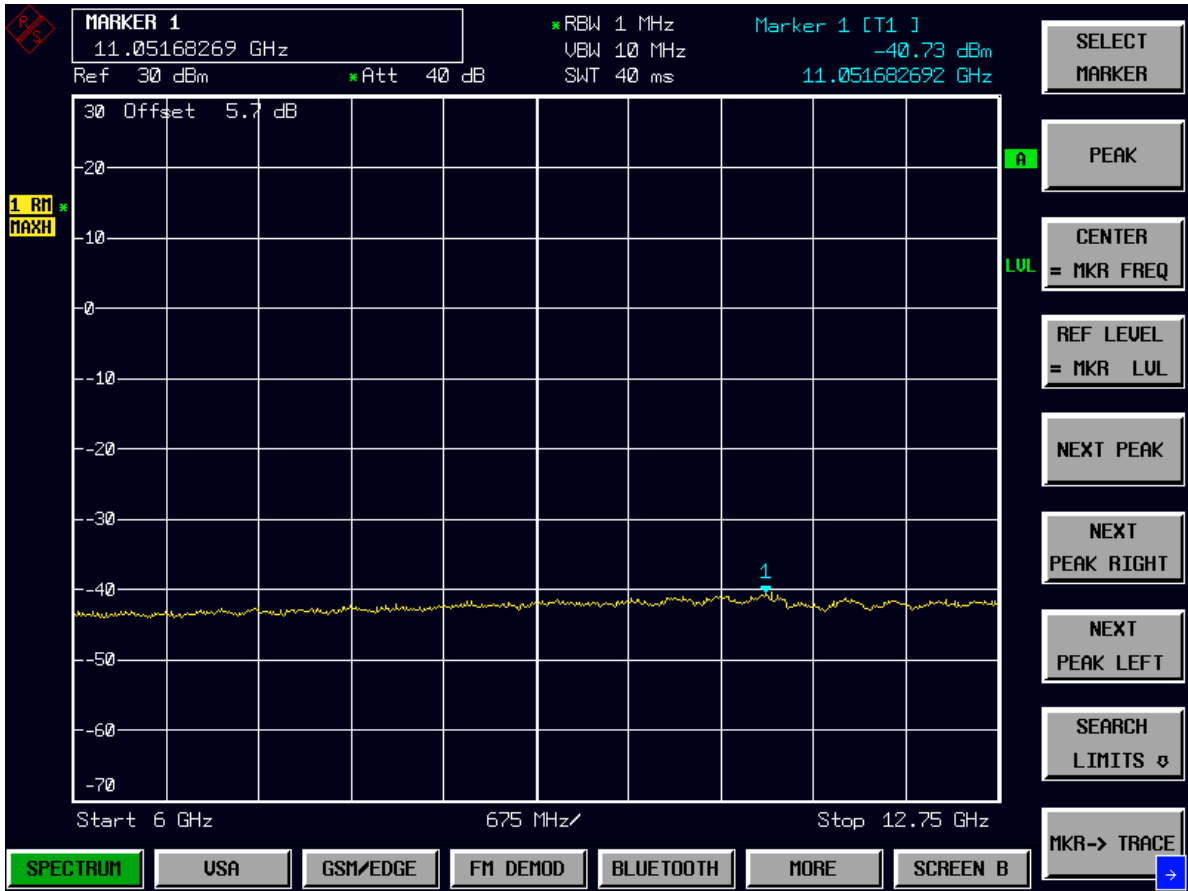




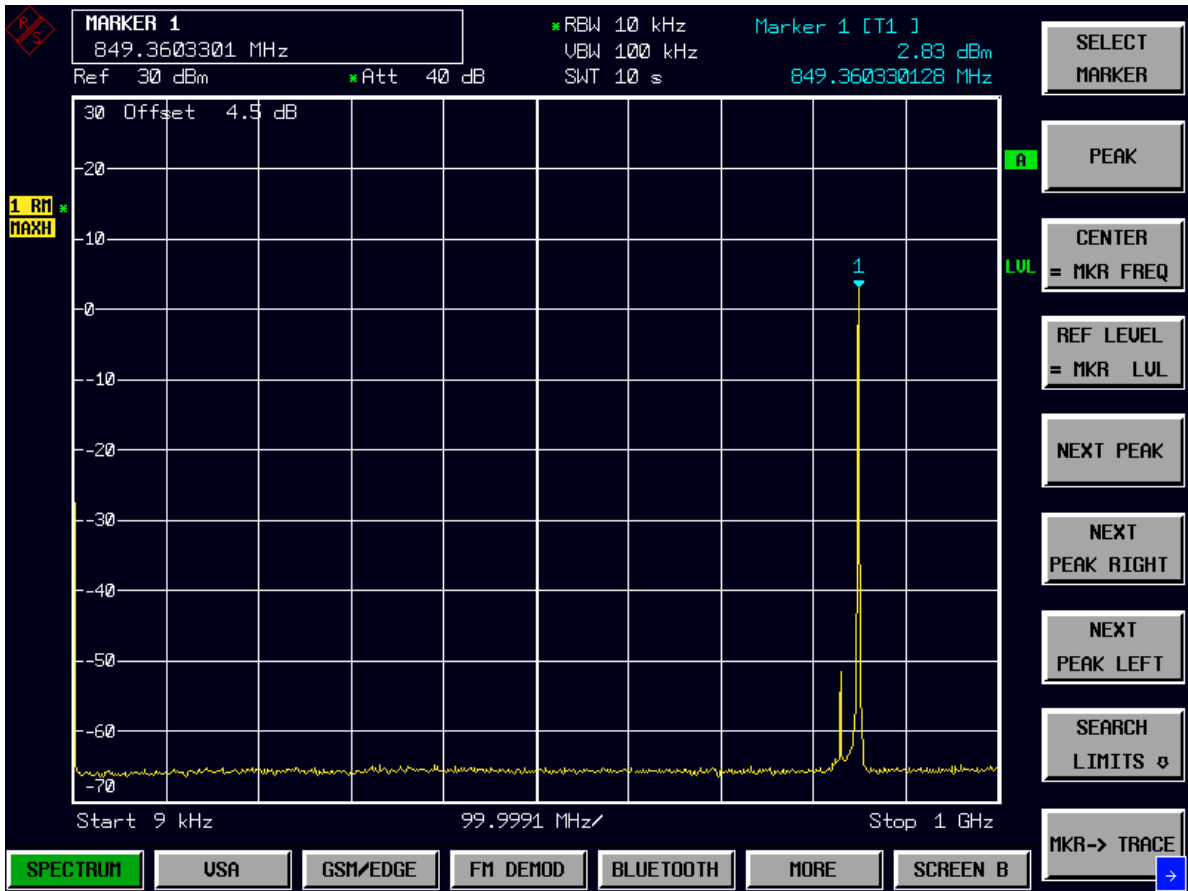
Channel 283

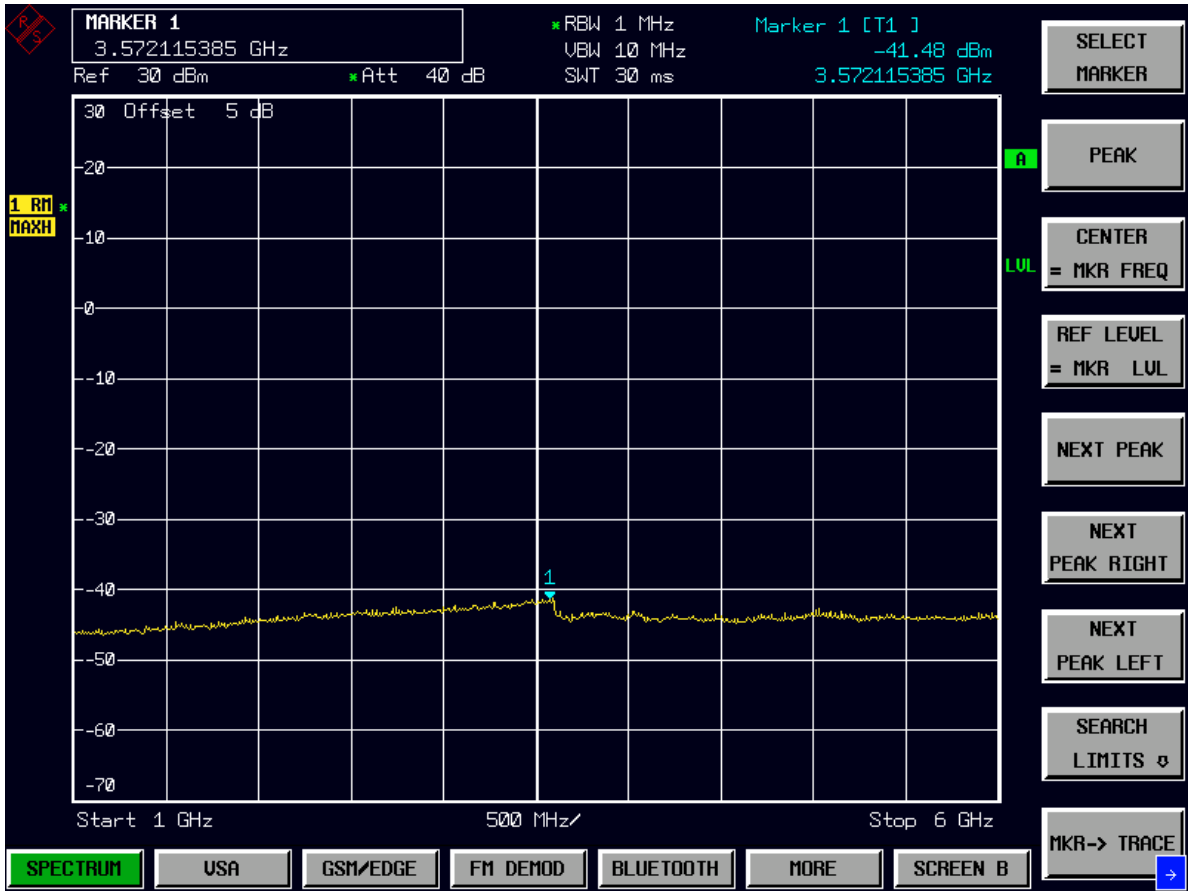


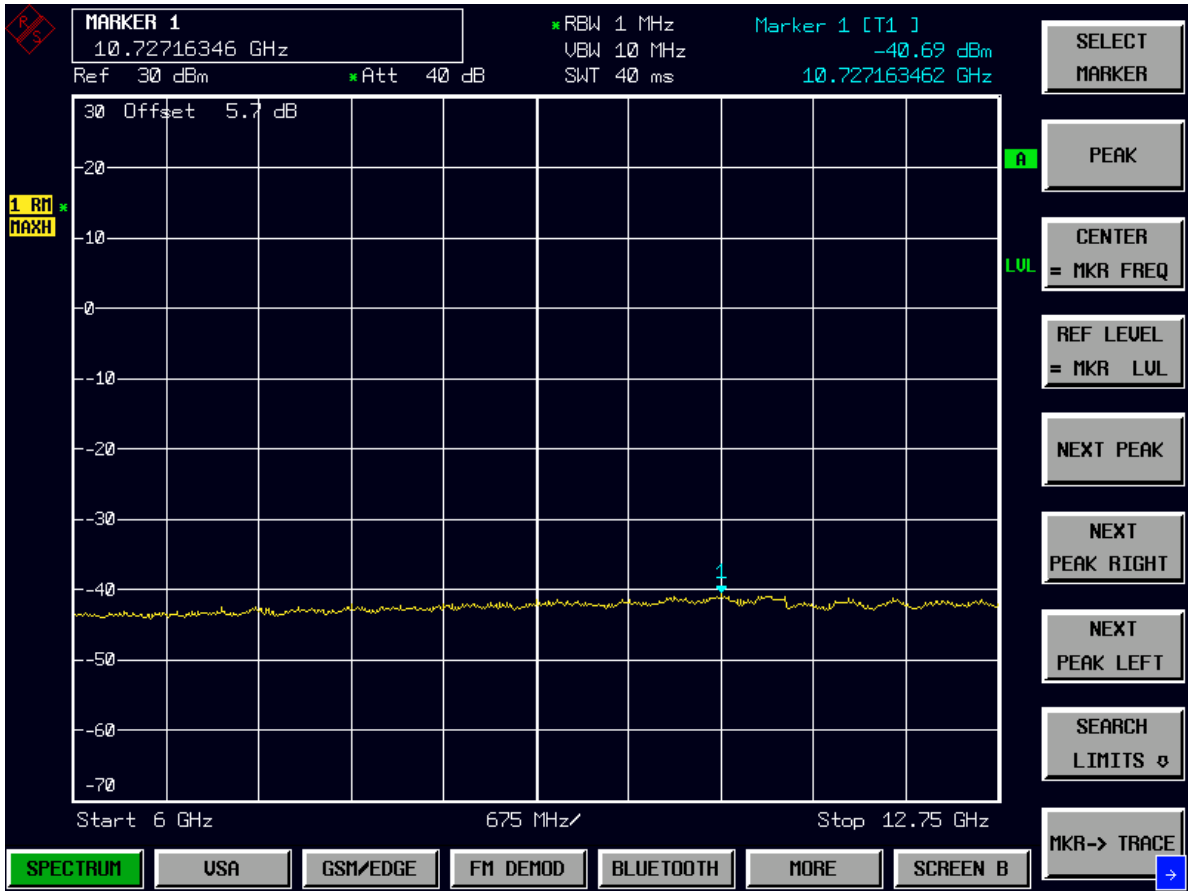




Channel 777



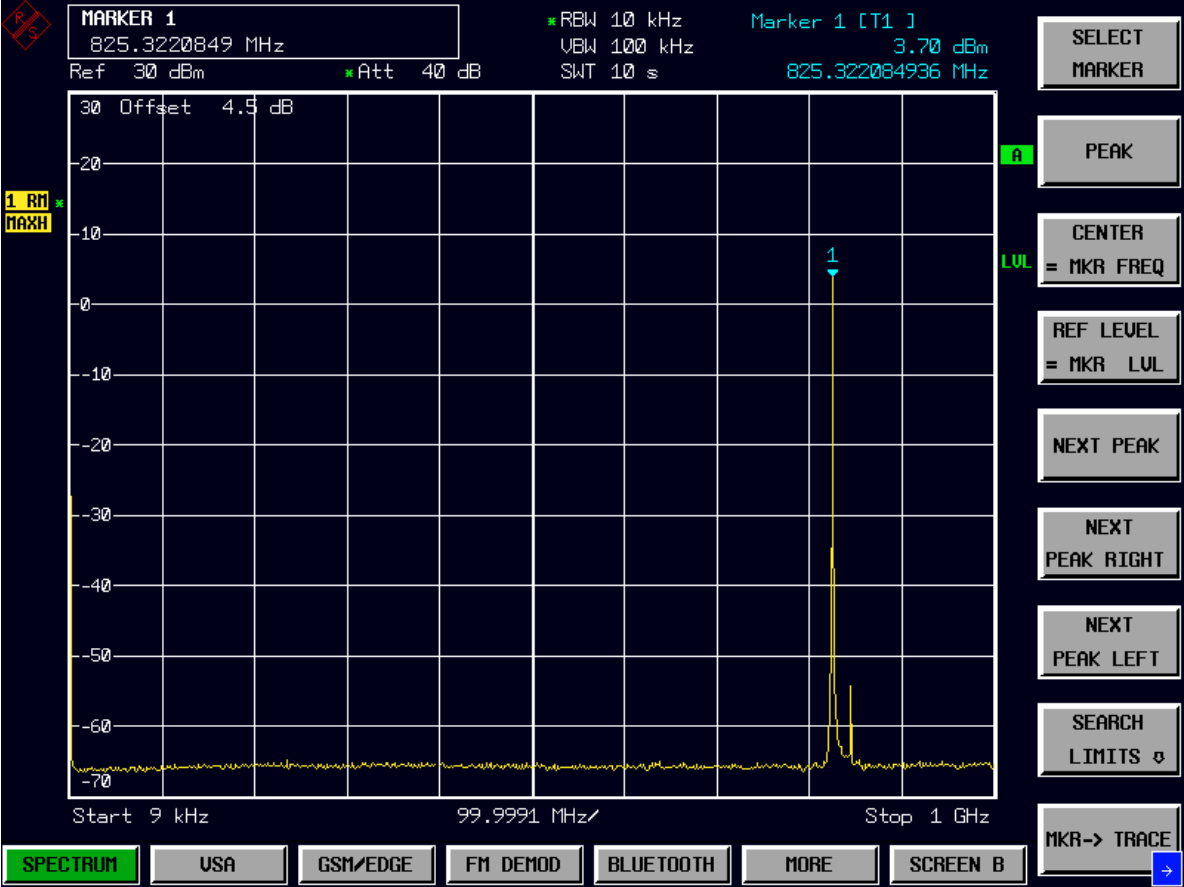


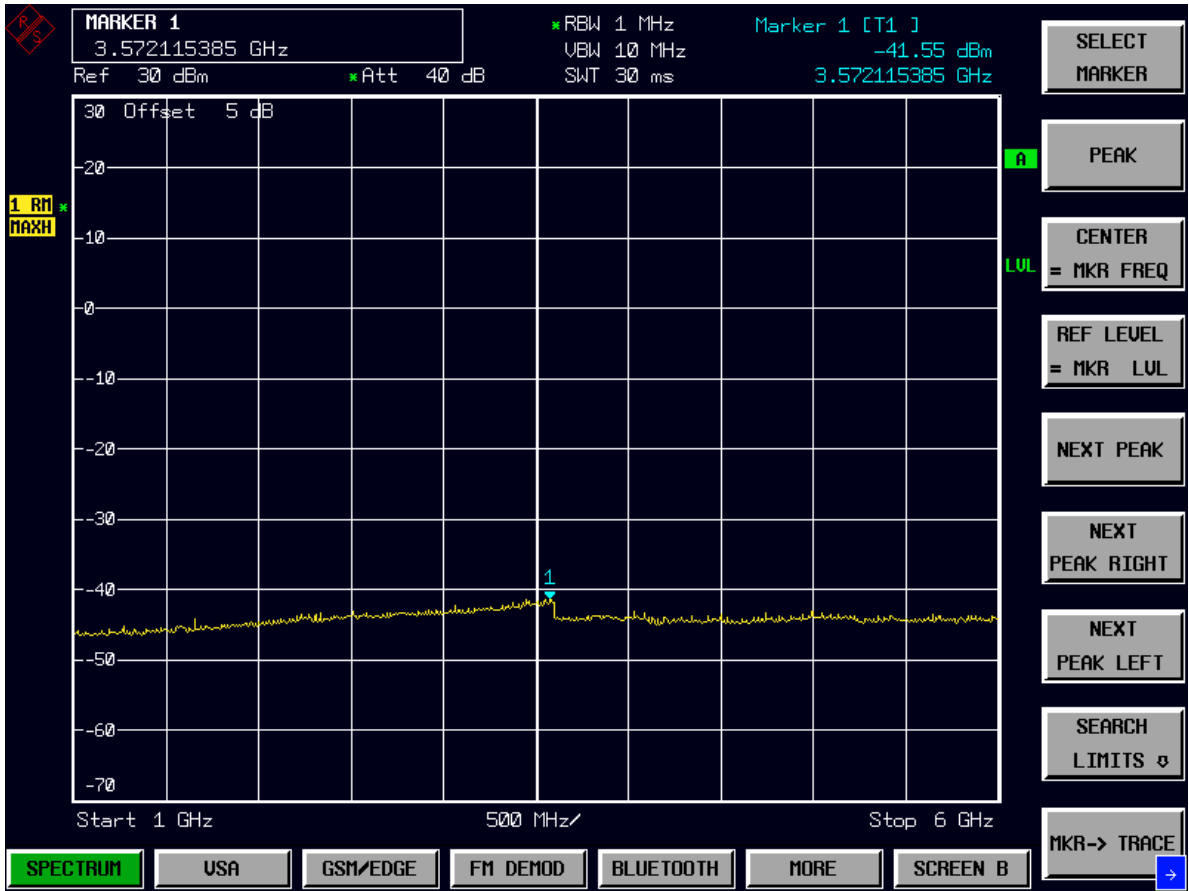


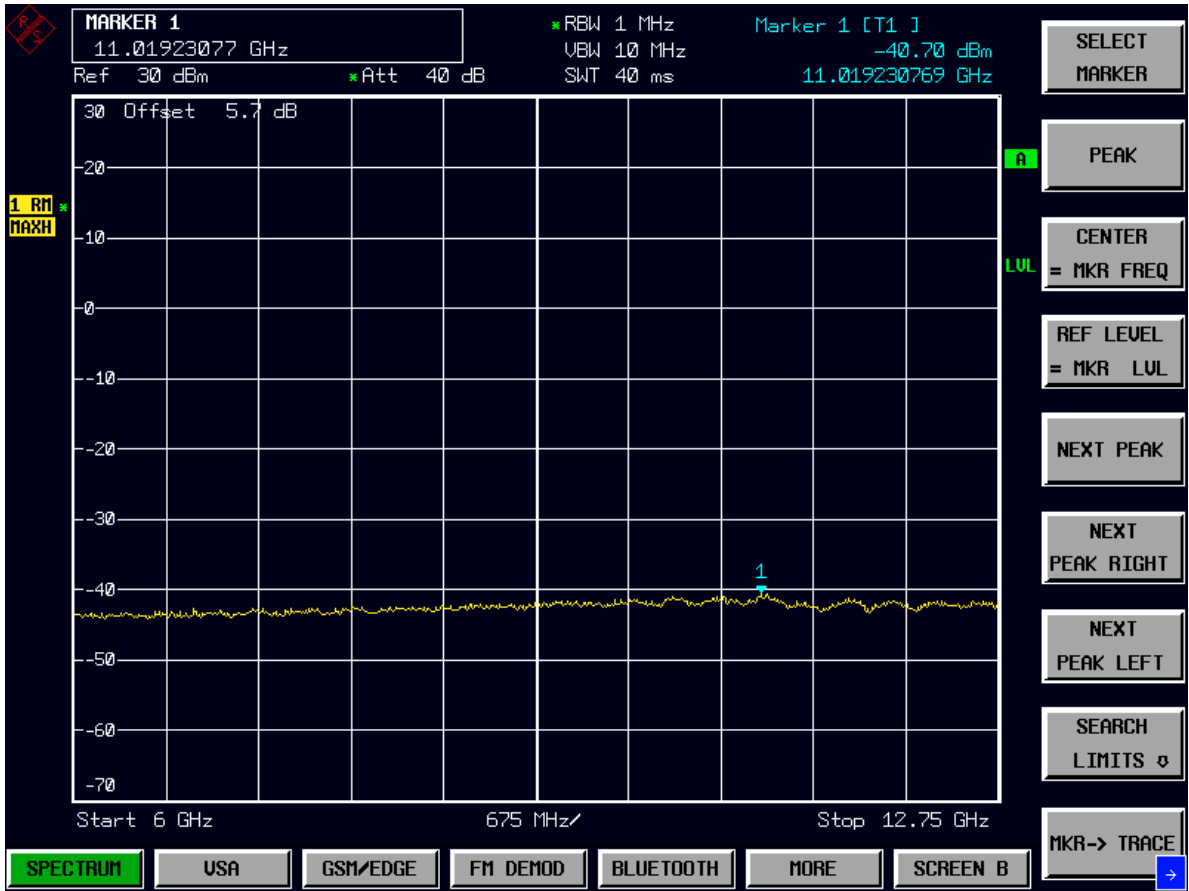


TM3

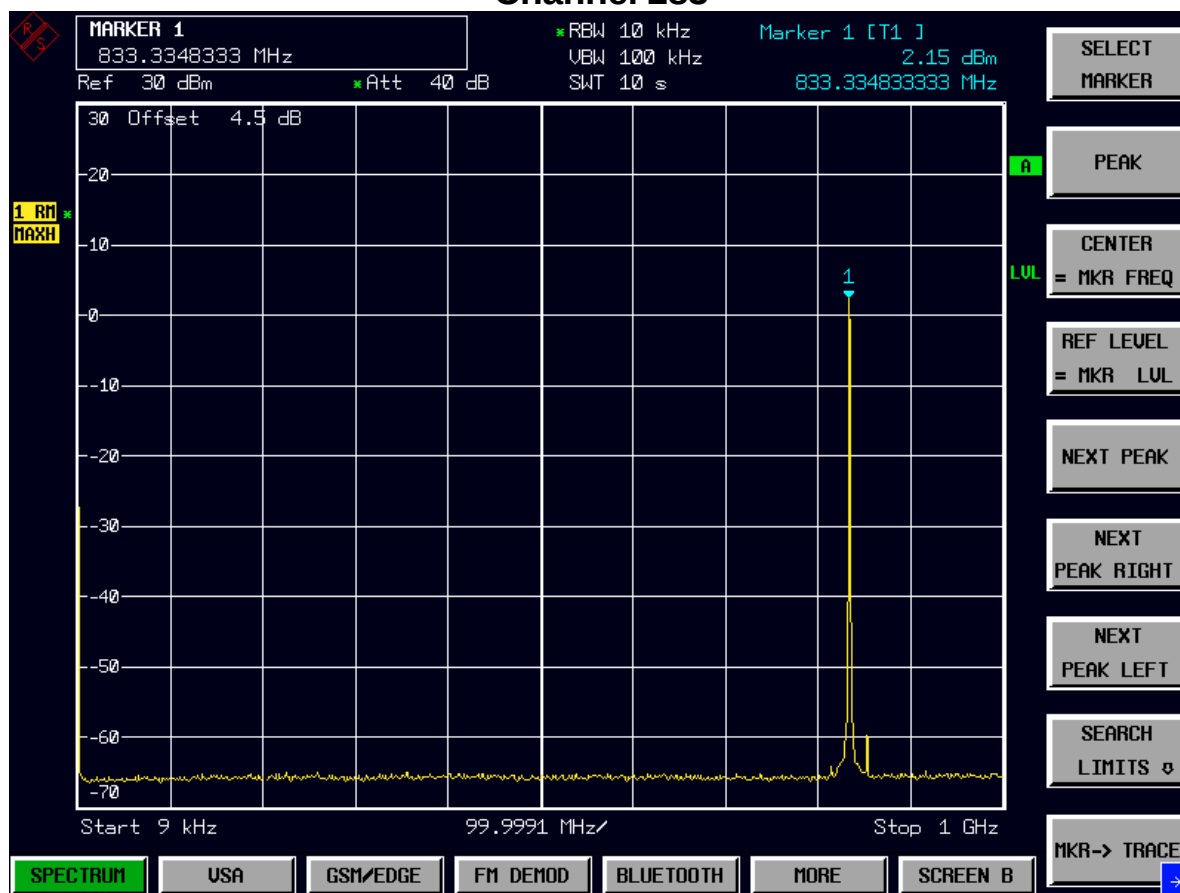
Channel 1013

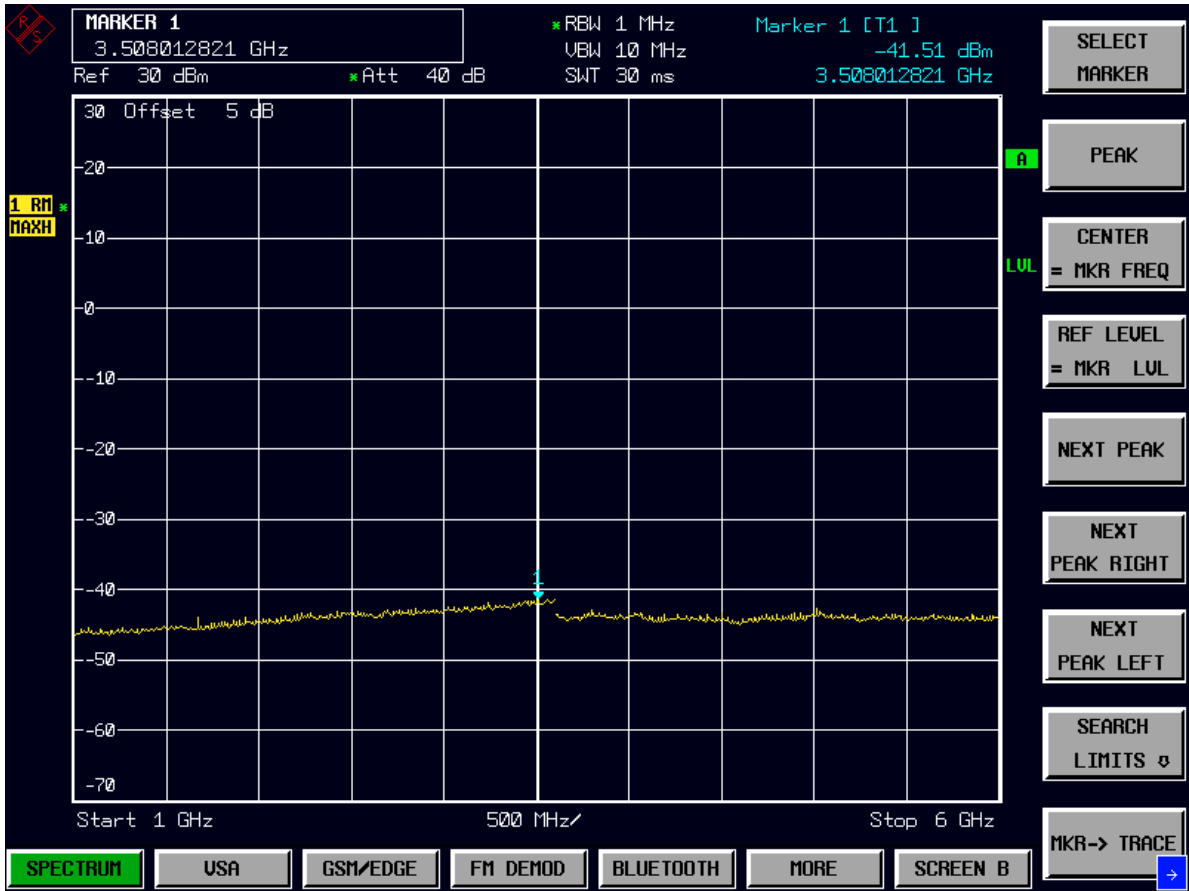


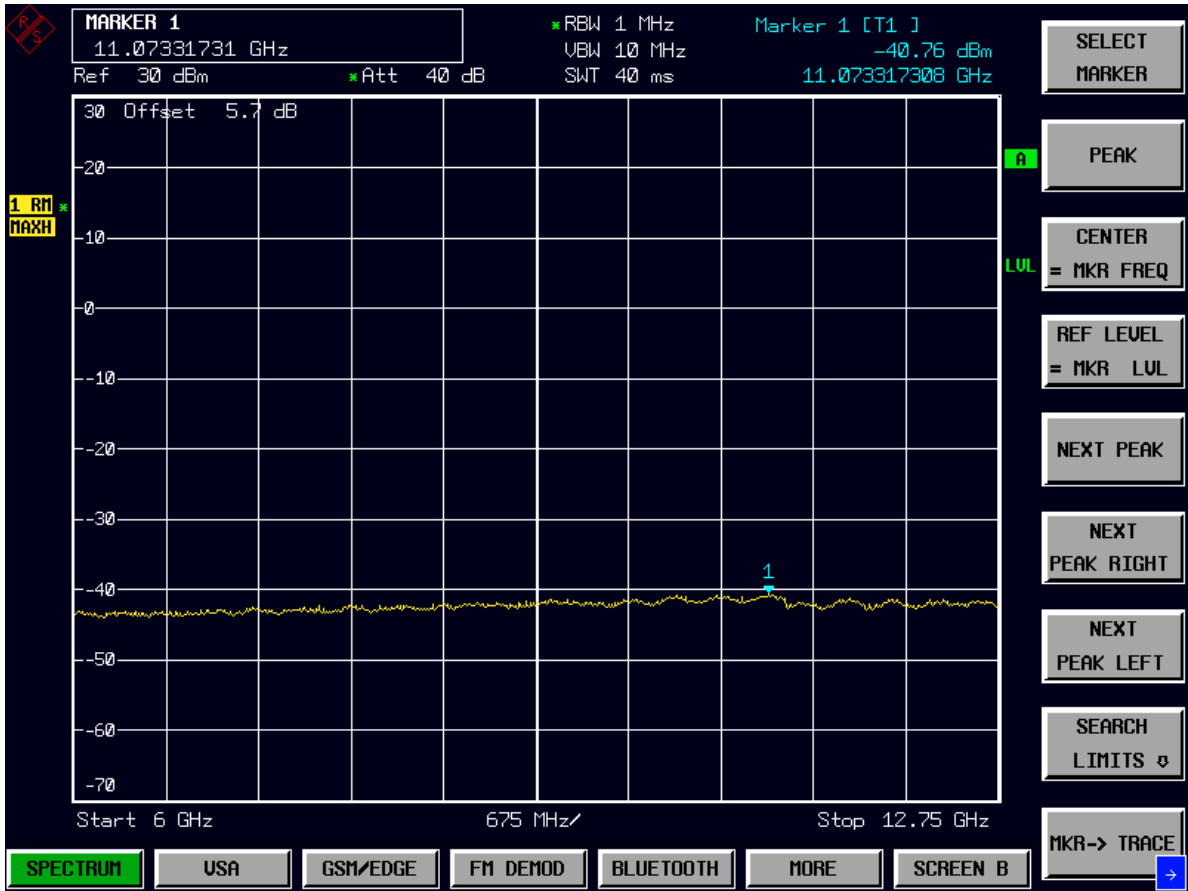


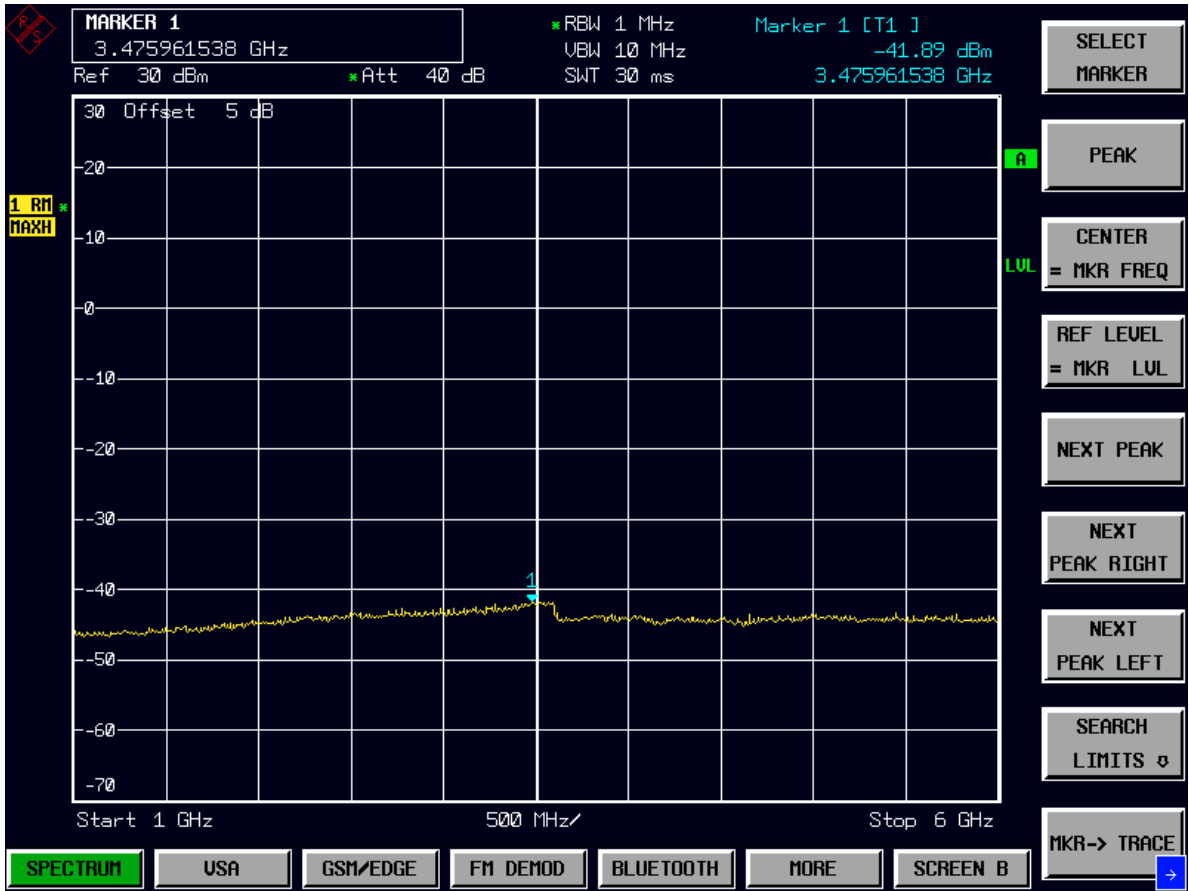


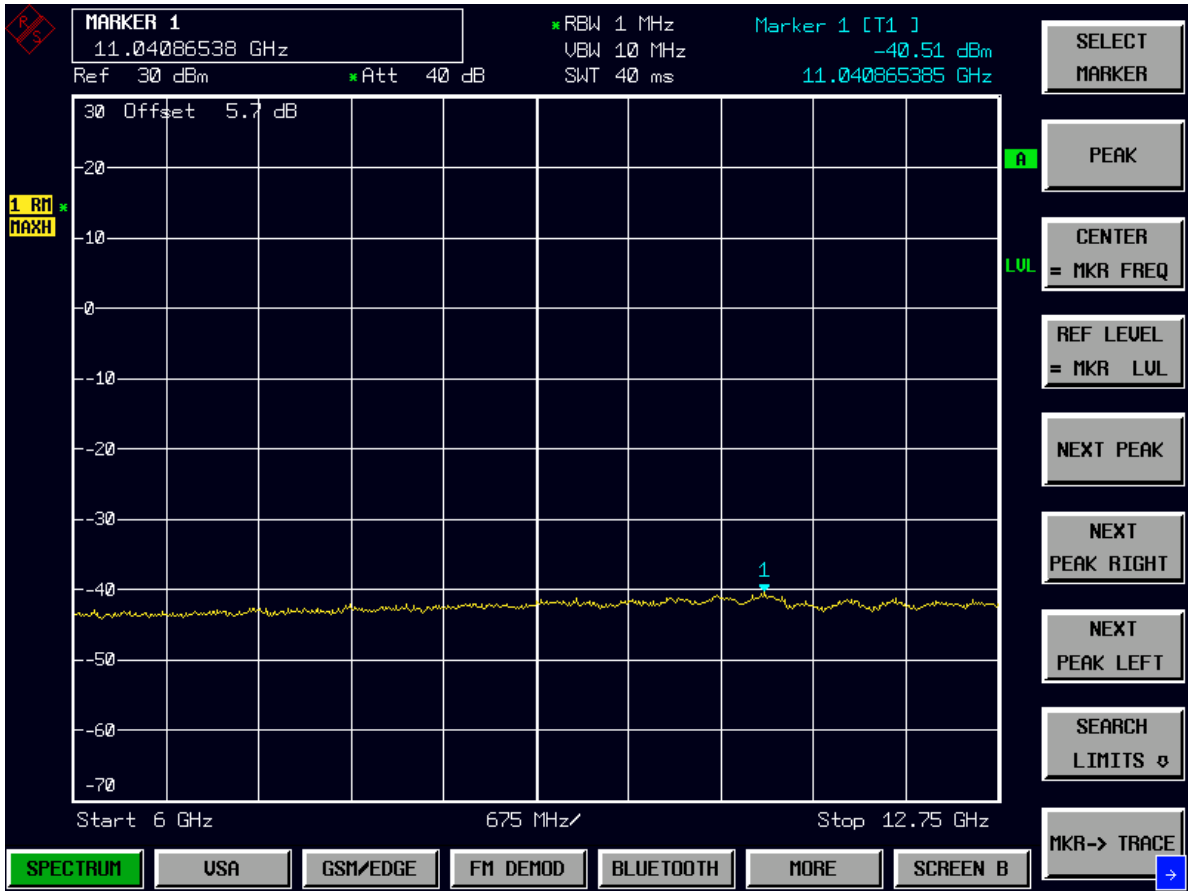
Channel 283







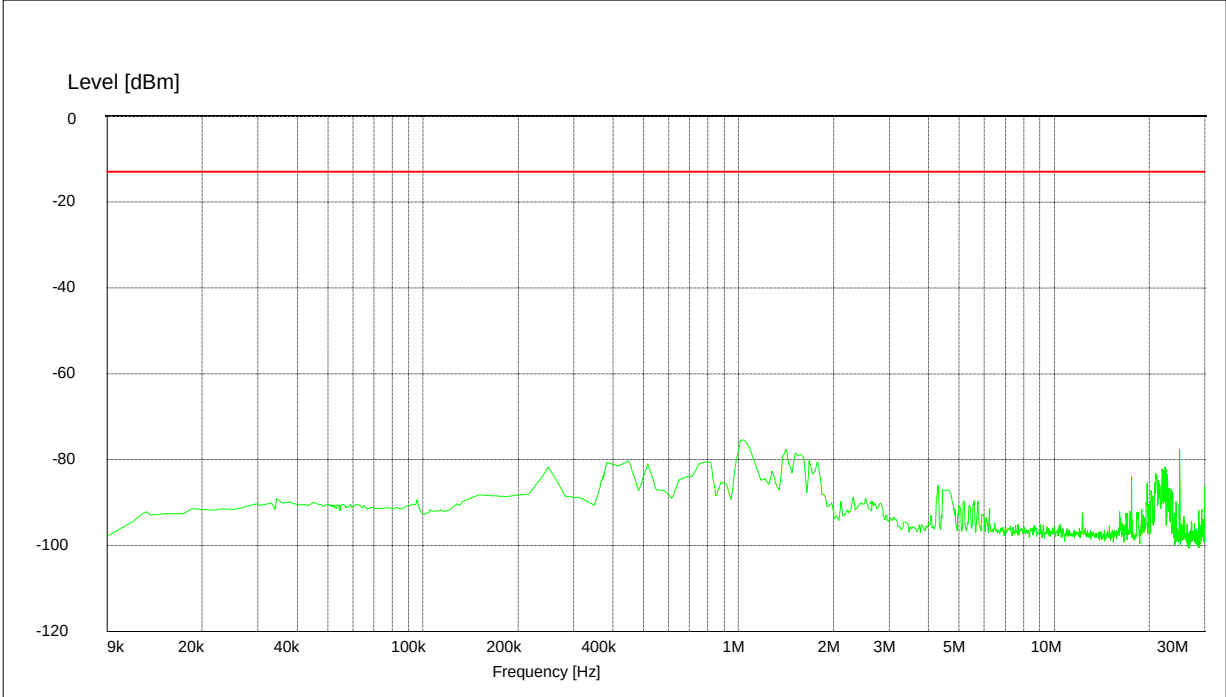




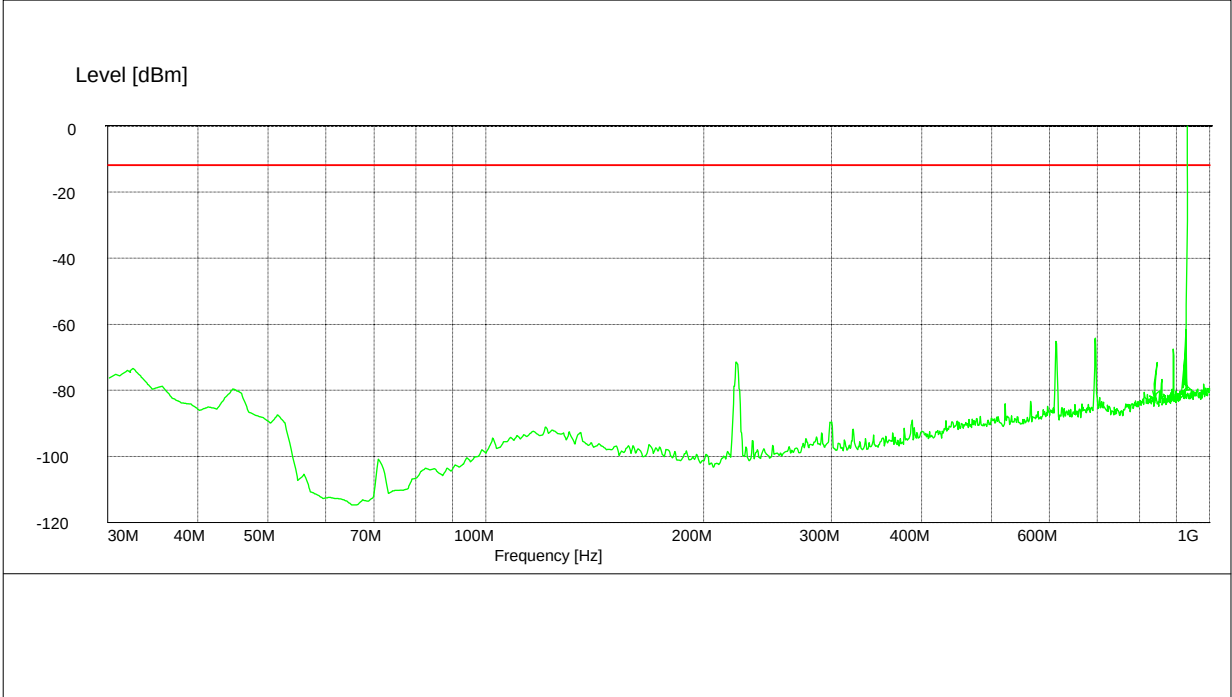
Appendix F

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

TRA Mode (9kHz-30MHz)



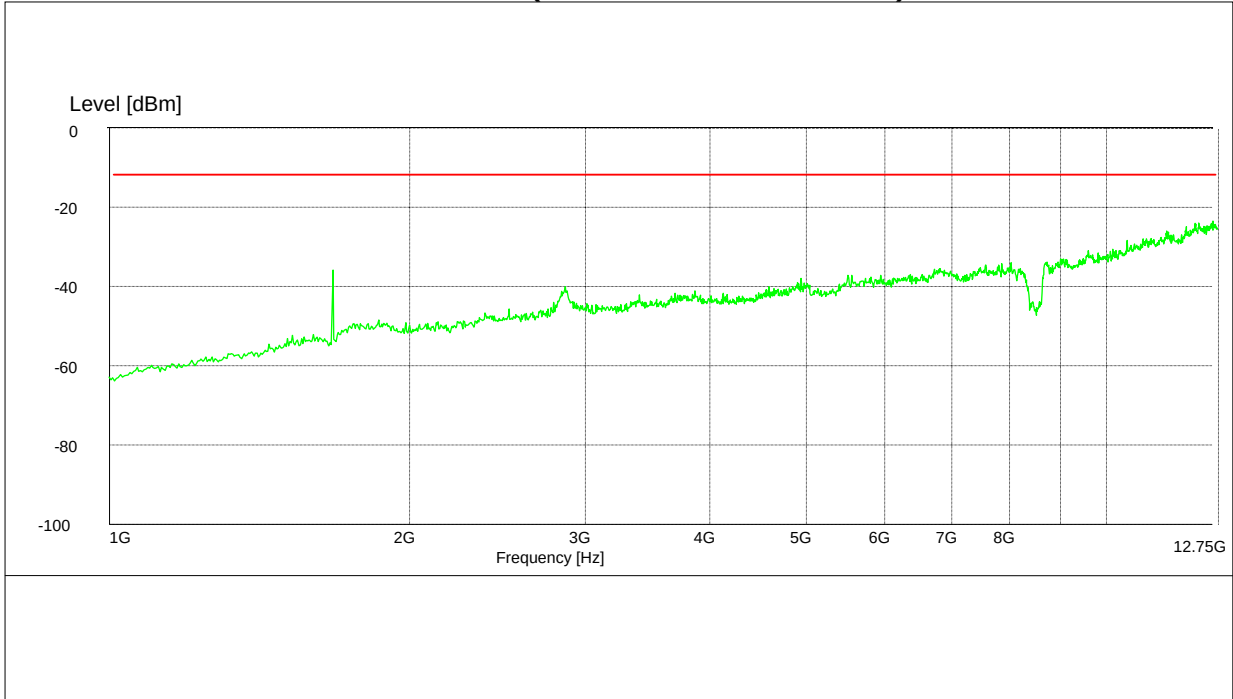
TRA Mode (30MHz-1GHz)



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

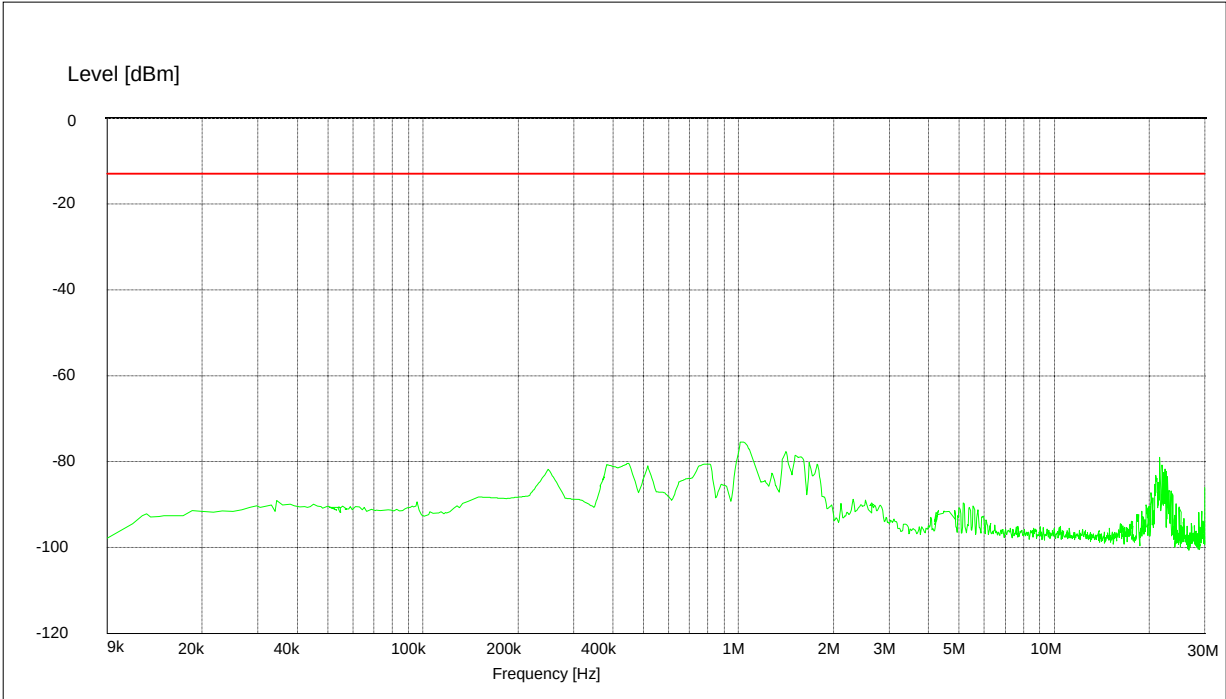


TRA Mode (1GHz-12.75GHz)

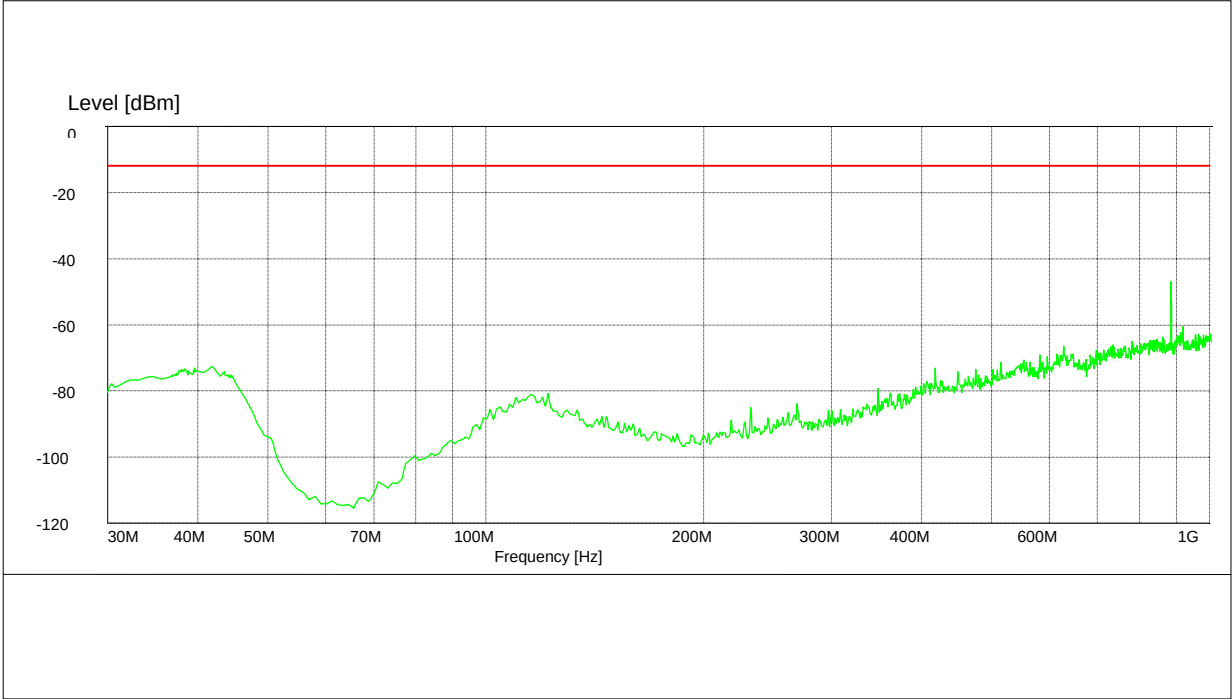




IDLE Mode (9 kHz-30MHz)

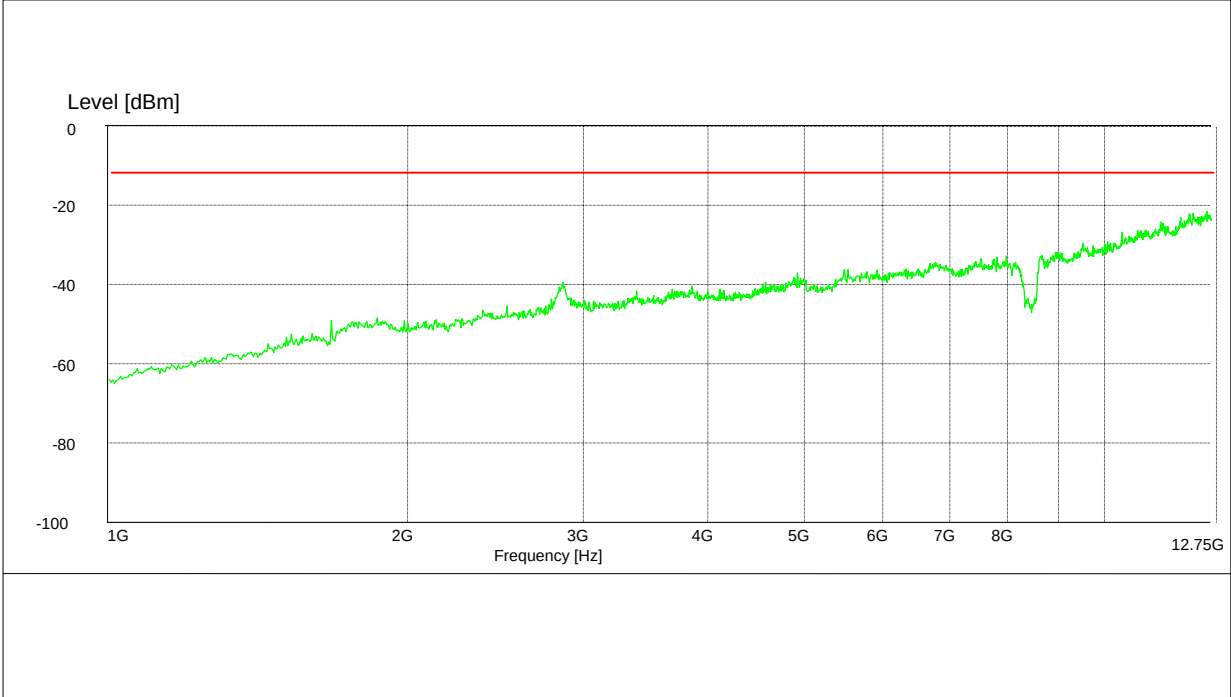


IDLE Mode (30MHz-1GHz)





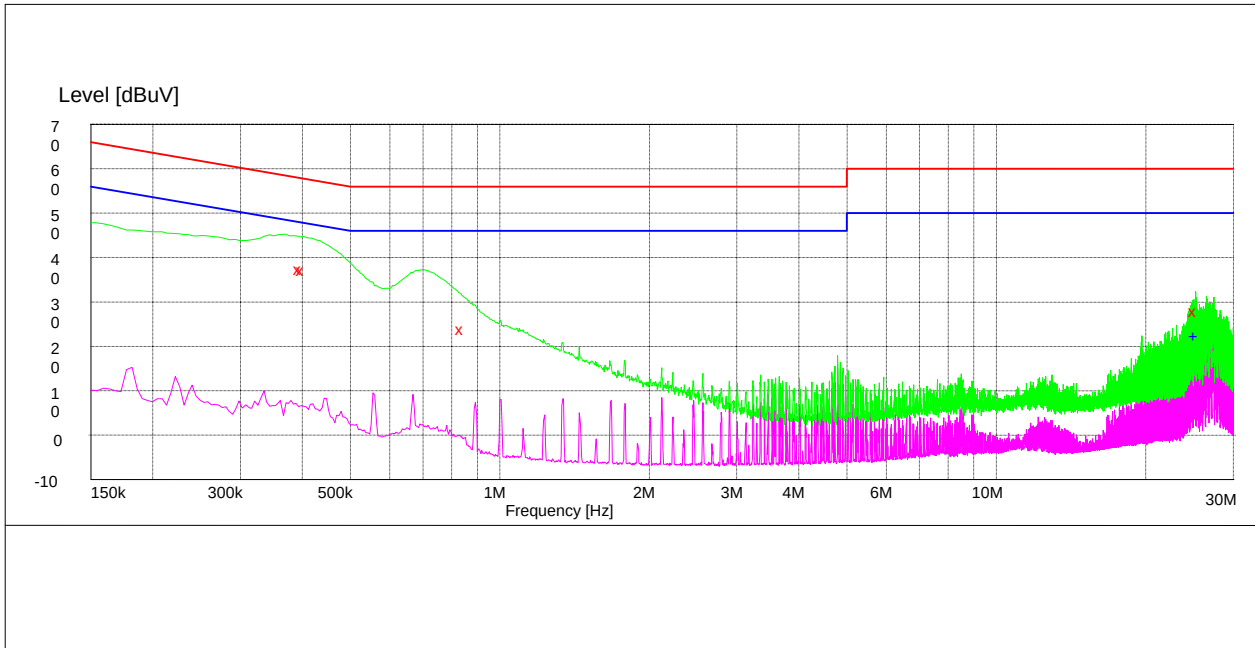
IDLE Mode (1GHz-12.75GHz)



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
0.397500	37.80	0.8	58	20.1	N	FLO
0.402000	37.70	0.8	58	20.1	N	FLO
0.843000	24.30	0.6	56	31.7	N	FLO
25.201500	28.40	2.5	60	31.6	L2	FLO

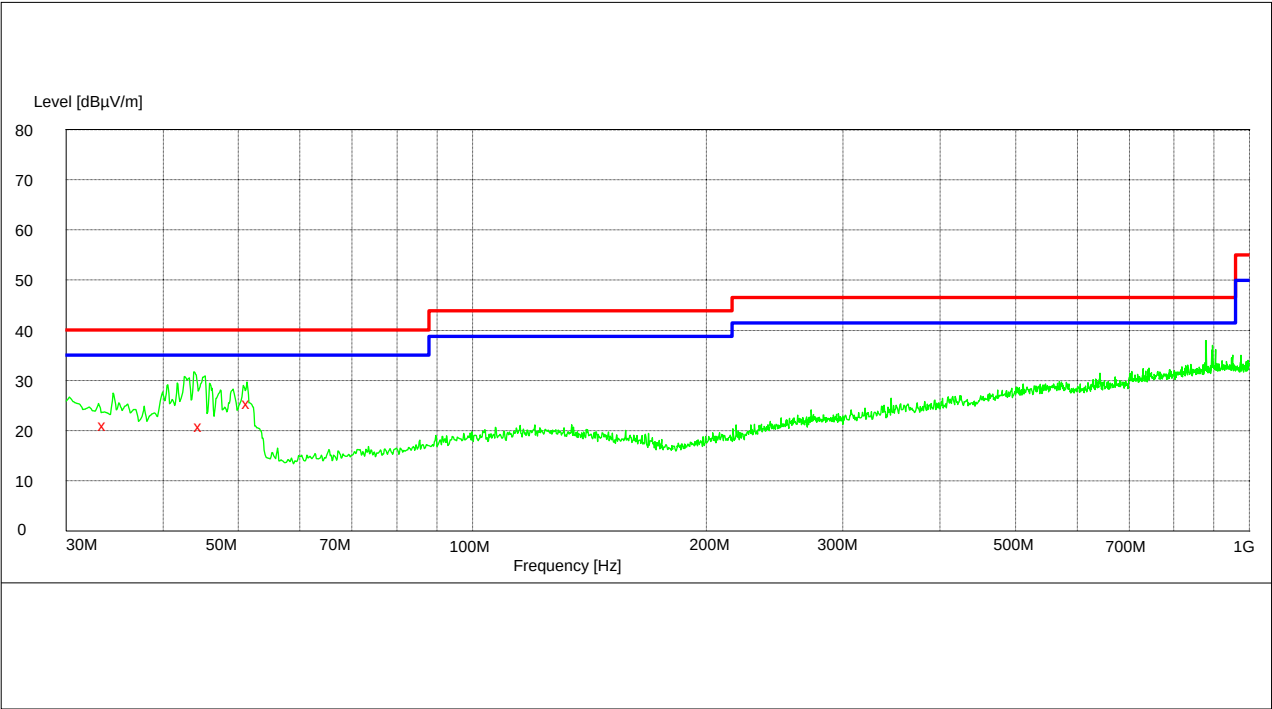
MEASUREMENT RESULT: "AV DECTER"

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
25.260000	22.80	2.5	50	27.2	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
34.200000	23.20	-5.1	40.0	16.8	156.0	339.00	VERTICAL
43.560000	19.50	-10.5	40.0	20.5	132.0	228.00	VERTICAL
51.780000	25.20	-14.6	40.0	14.8	130.0	348.00	VERTICAL

Appendix I

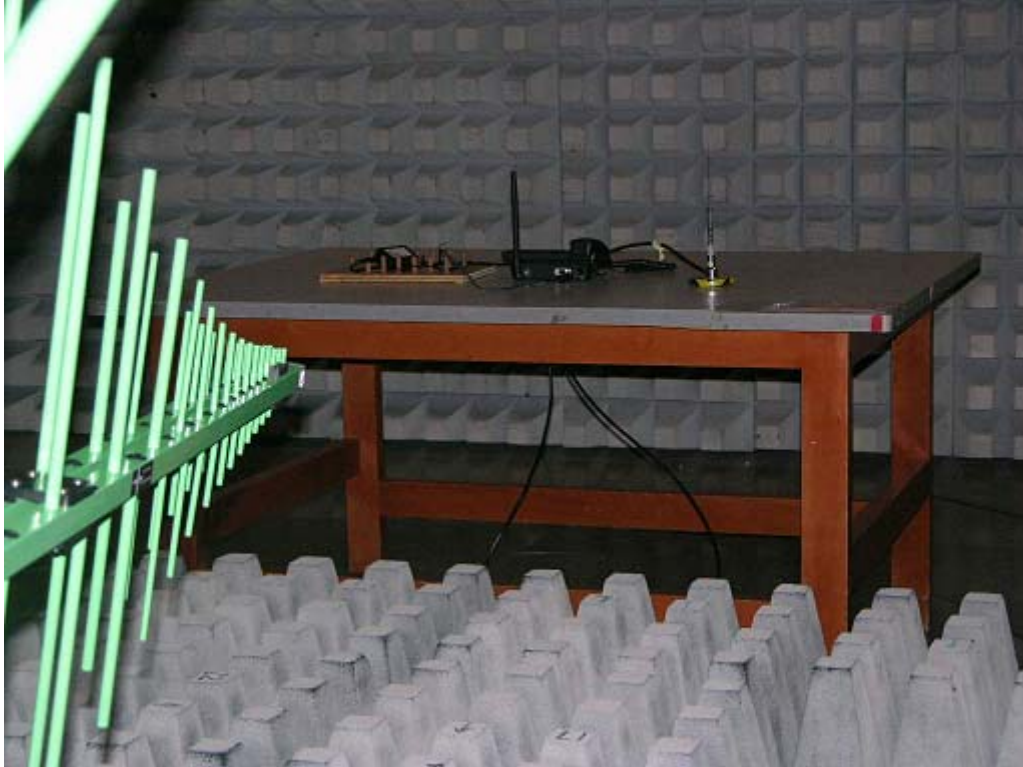
Photos of Test Setup

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