

Appendix A

Effective Radiated Power of Transmitter

According to FCC Part 2.1046 & 22.913



Channel 1013

TM1:

Measurement/Instrument Screen									
Control		Maximum/Minimum Power						Call Params	
Max/Min Power Setup		Maximum Power 22.11 dBm Minimum Power -64.22 dBm/1.23 MHz Single						Cell 1 Power	-25.00
								dBm/1.23 MHz	
Maximum Power Setup								Cell Band	US Cellular
								Channel	1013
Minimum Power Setup								Protocol Rev	6 (IS-2000-0)
								Radio Config	(Fud1, Rvs1)
								S02 (Loopback)	
								FCH Service Option Setup	
1 of 2				Active Cell Connected		Sys Type: IS-2000		Logging: No Conn.	
				IntRef	Offset				1 of 4



TM3:

Measurement/Instrument Screen											
Control		Maximum/Minimum Power							Call Params		
Max/Min Power Setup ▾		Maximum Power 22.27 dBm Minimum Power -64.44 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 Params		
Max/Min Power Setup ▾		Maximum Power 21.94 dBm Minimum Power -63.51 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		
									(Fud1, Rvs1)		
									S02 (Loopback)		
									FCH Service Option Setup ▾		
				Active Cell			Sys Type: IS-2000				
				Connected			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 21.92 dBm Minimum Power -63.44 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 21.76 dBm Minimum Power -62.93 dBm/1.23 MHz Single							Cell 1 Power		
									-25.00		
									dBm/1.23 MHz		
Maximum Power Setup ▾									Cell Band		
									US Cellular		
									Channel		
Minimum Power Setup ▾									777		
									Protocol Rev		
									6 (IS-2000-0)		
									Radio Config		
									(Fud1, Rvs1)		
									S02 (Loopback)		
									FCH Service Option Setup ▾		
				Active Cell			Sys Type: IS-2000				
				Connected			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 22.14 dBm Minimum Power -62.88 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		Sys Type: IS-2000				
		Connected		Logging: No Conn.						
1 of 2					IntRef	Offset				1 of 4

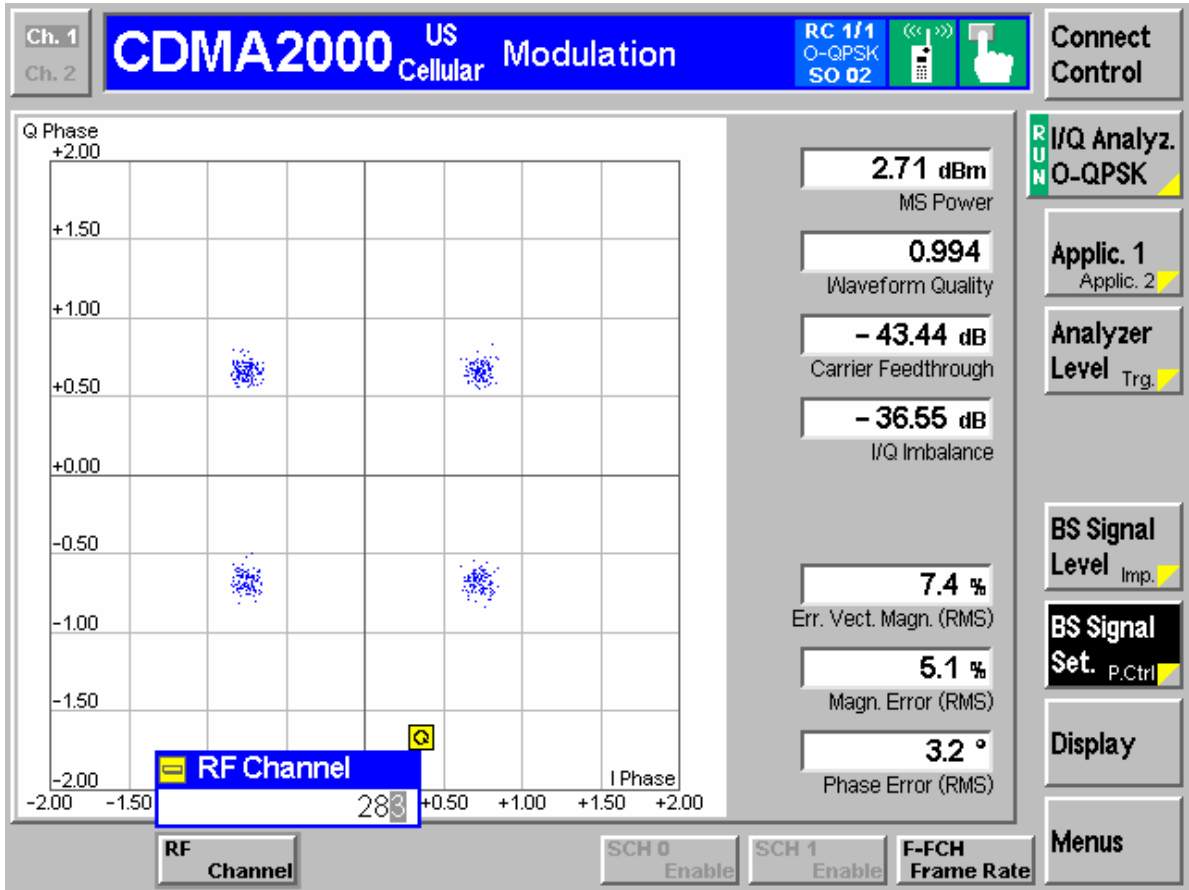
Appendix B

Modulation Characteristics

According to FCC Part 2.1047 & Part22 Subpart H

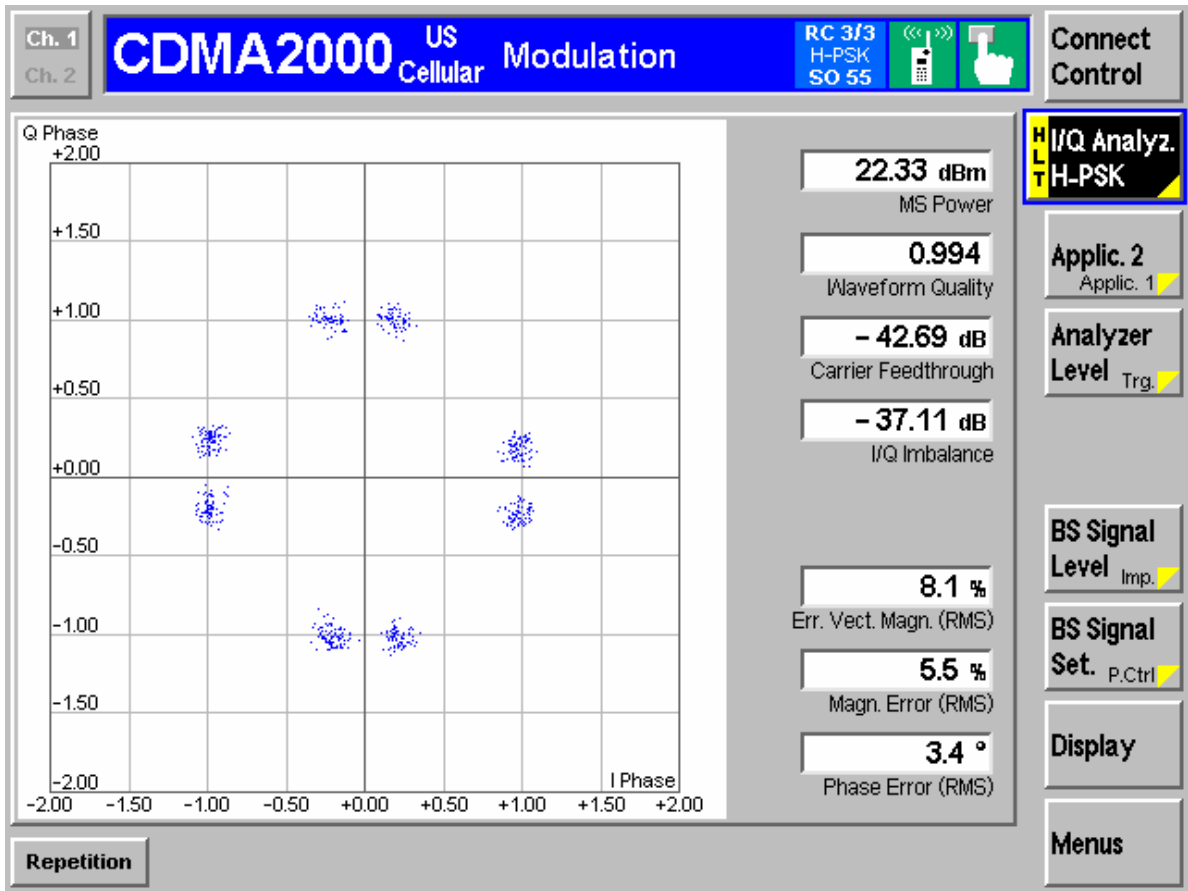


Channel 283 (TM1)





Channel 283 (TM3)



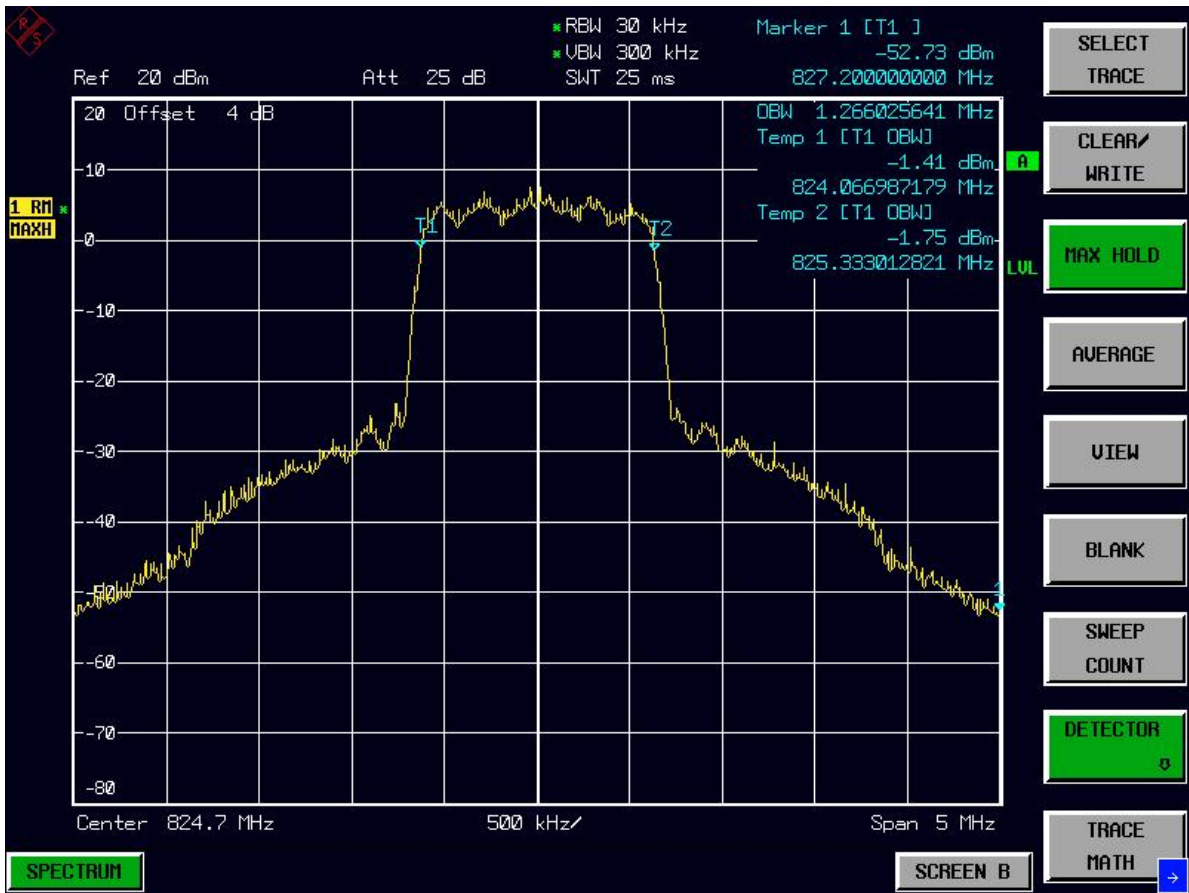
Appendix C

Occupied Bandwidth

According to FCC Part 2.1049 & Part 22 Subpart H

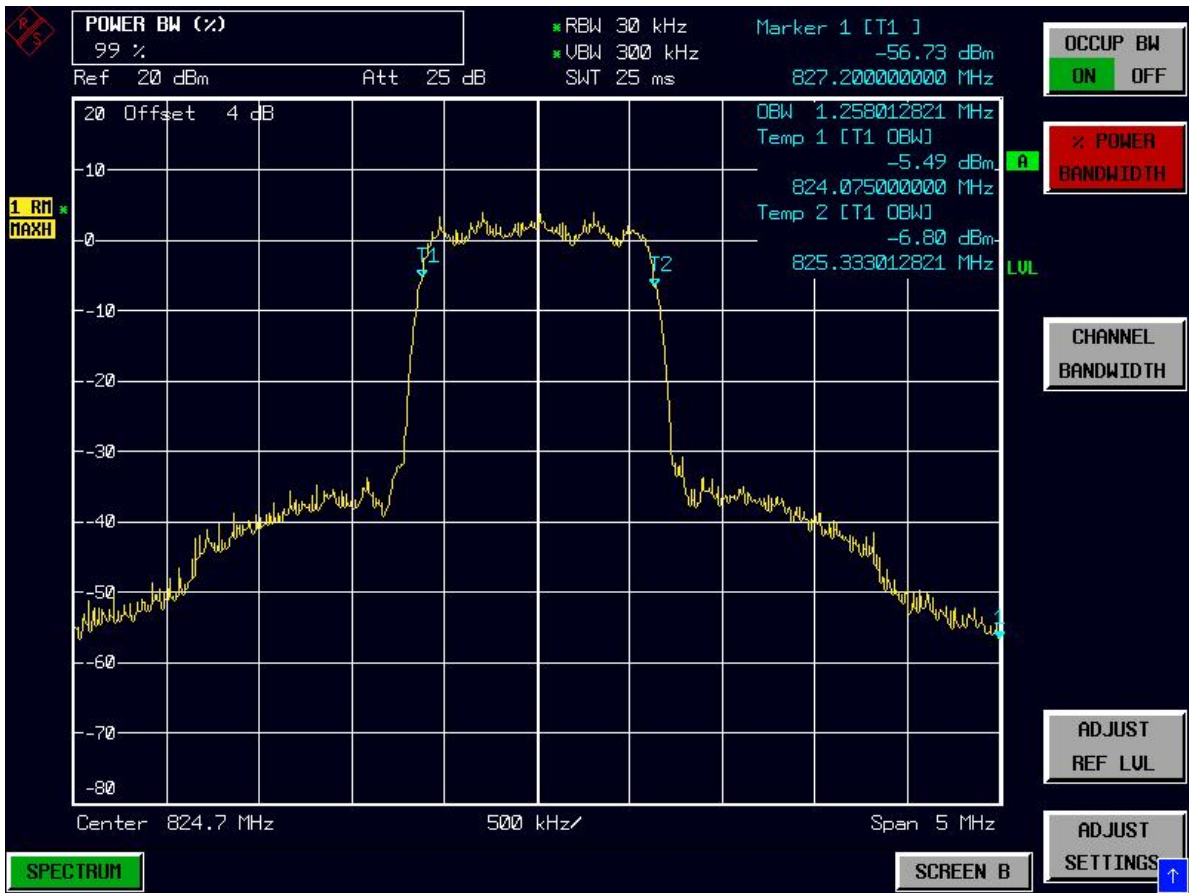


Channel 1013 (TM1)



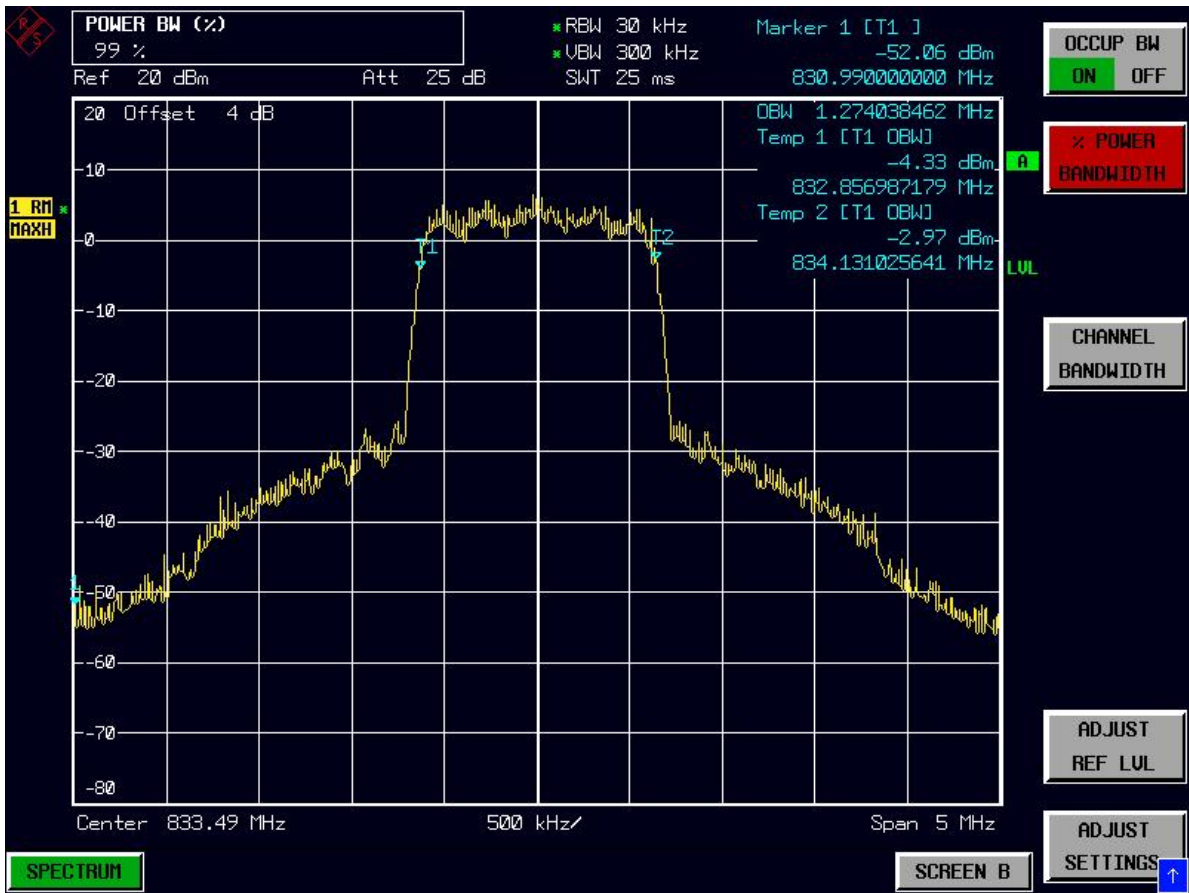


Channel 1013 (TM3)





Channel 283 (TM1)



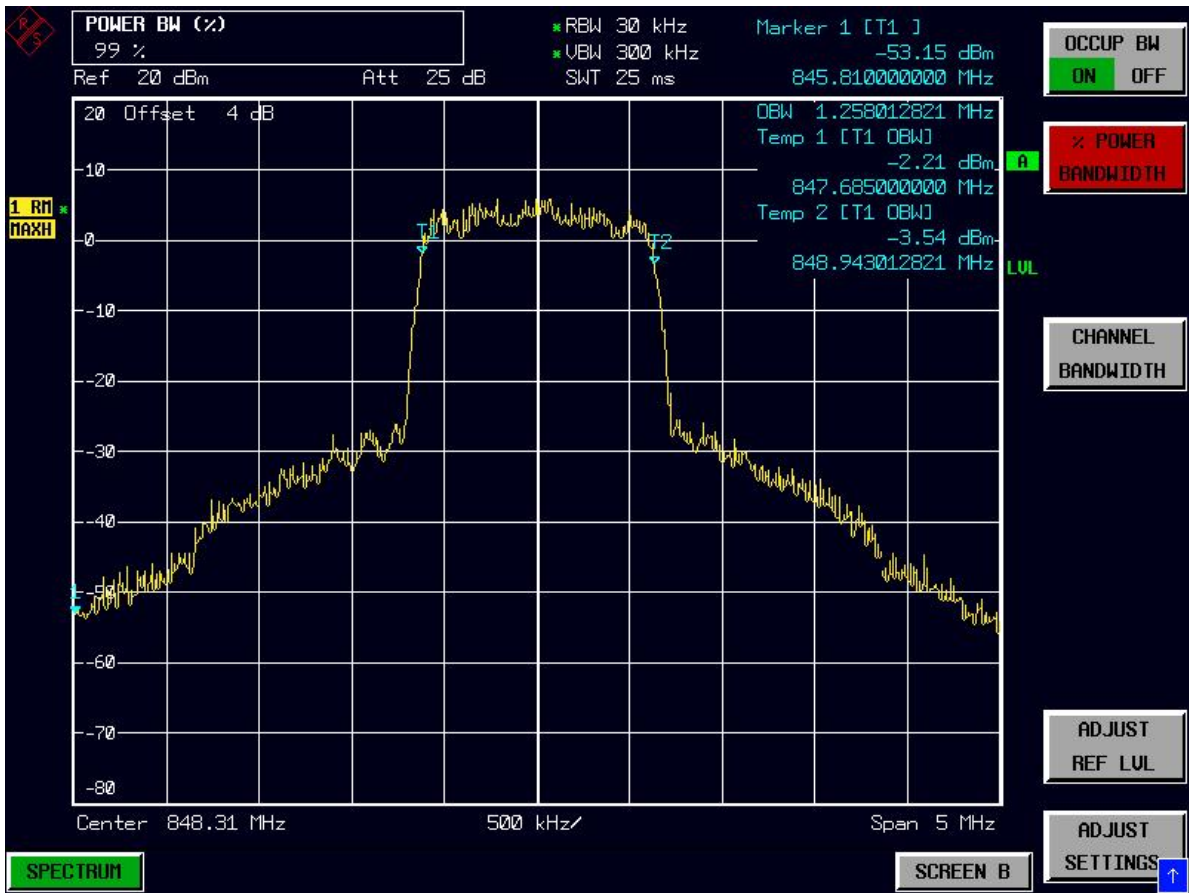


Channel 283 (TM3)





Channel 777 (TM1)

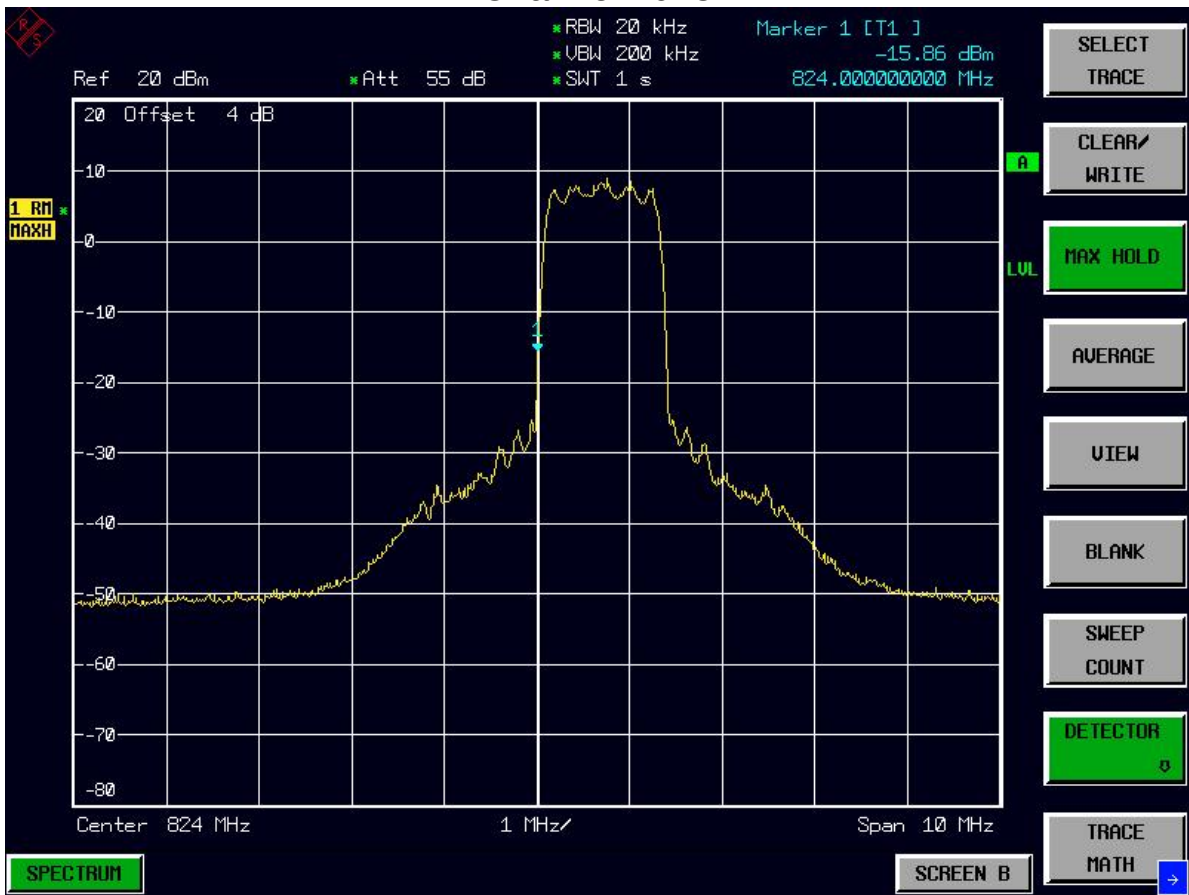


Appendix D

Band Edges Compliance According to FCC Part 2.1051 & 22.917

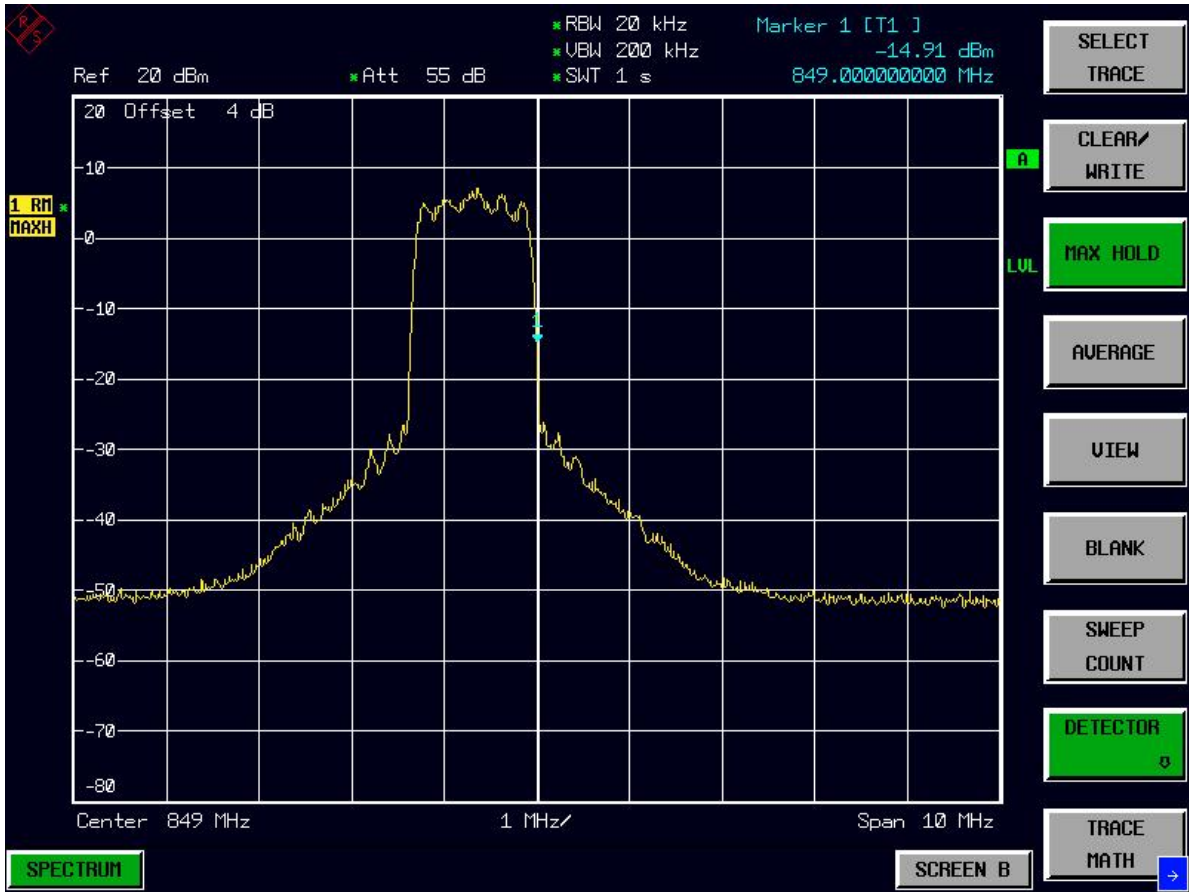
TM1

Left Edge (824 MHz)
Channel 1013





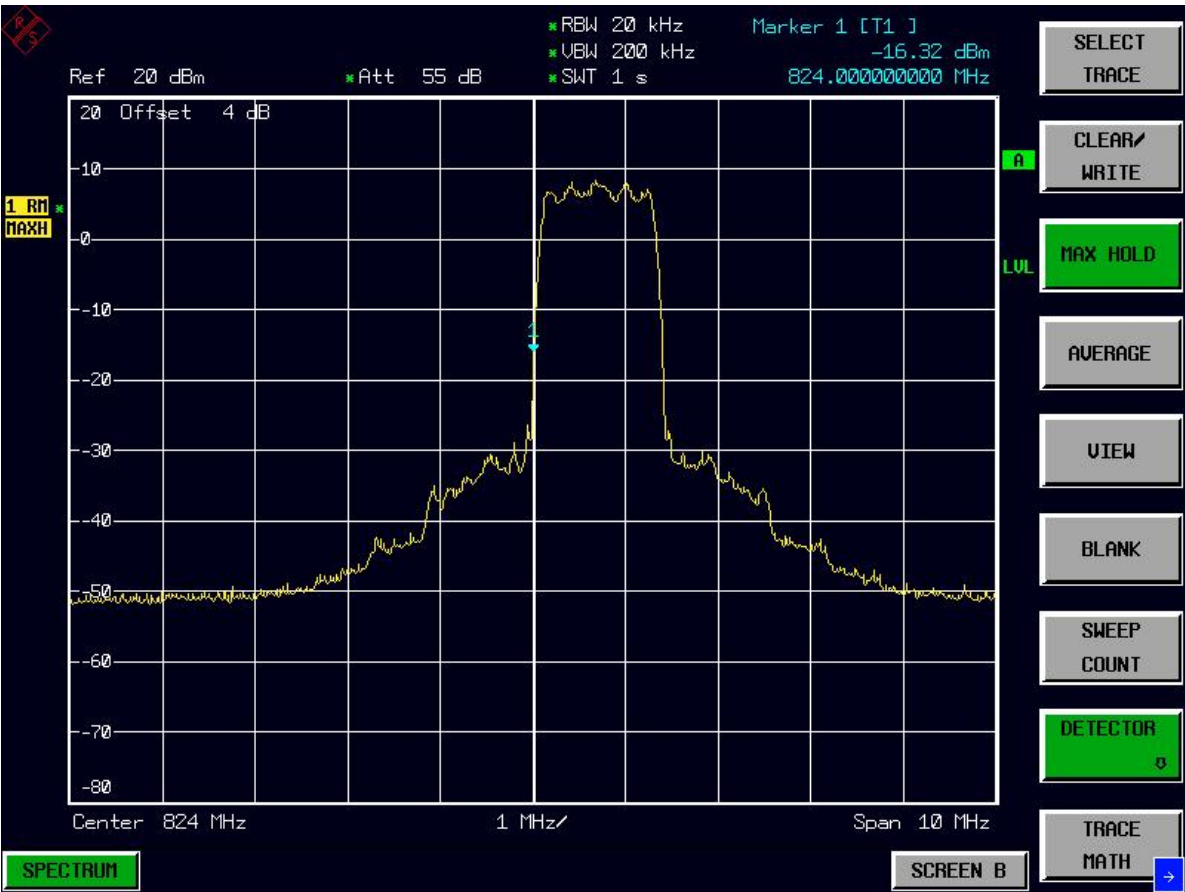
Right Edge (849MHz)
Channel 777





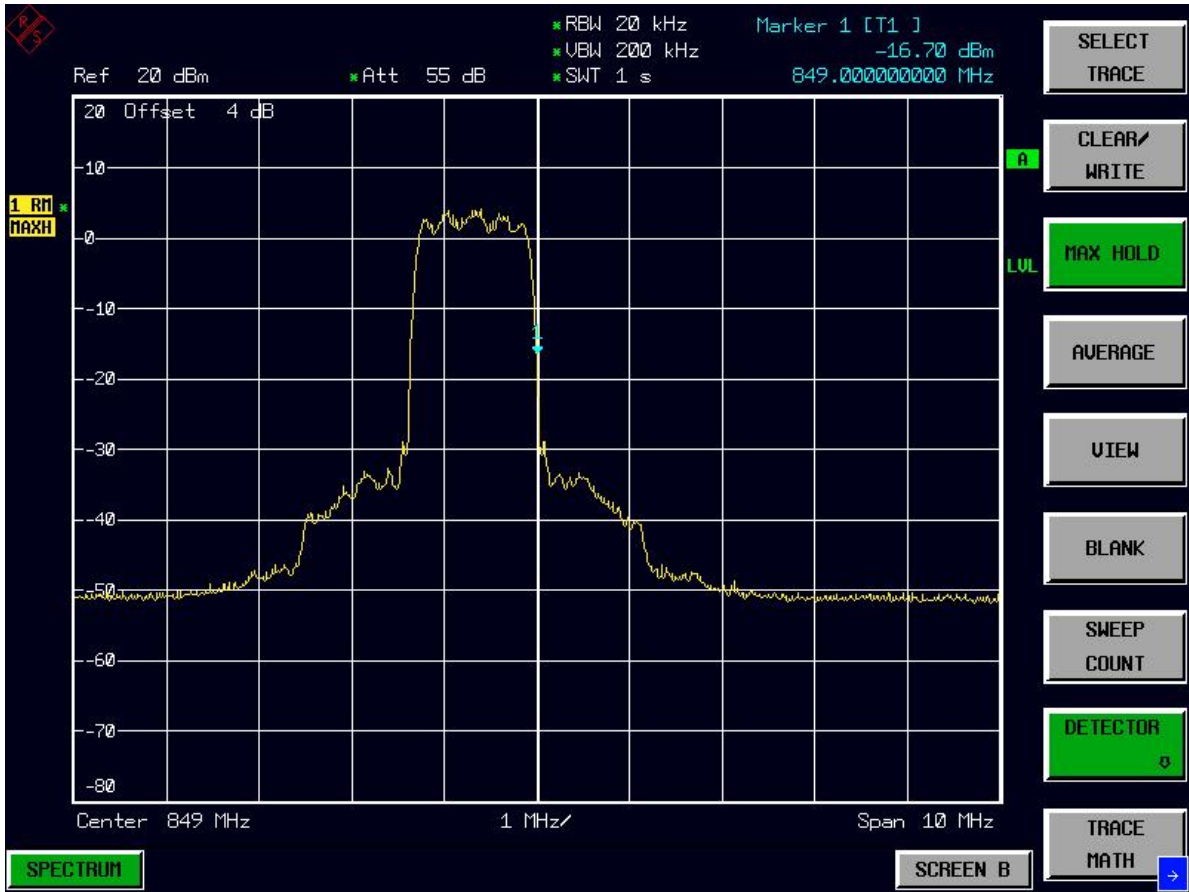
TM3

Left Edge (824 MHz)
Channel 1013





Right Edge (849MHz)
Channel 777



Appendix E

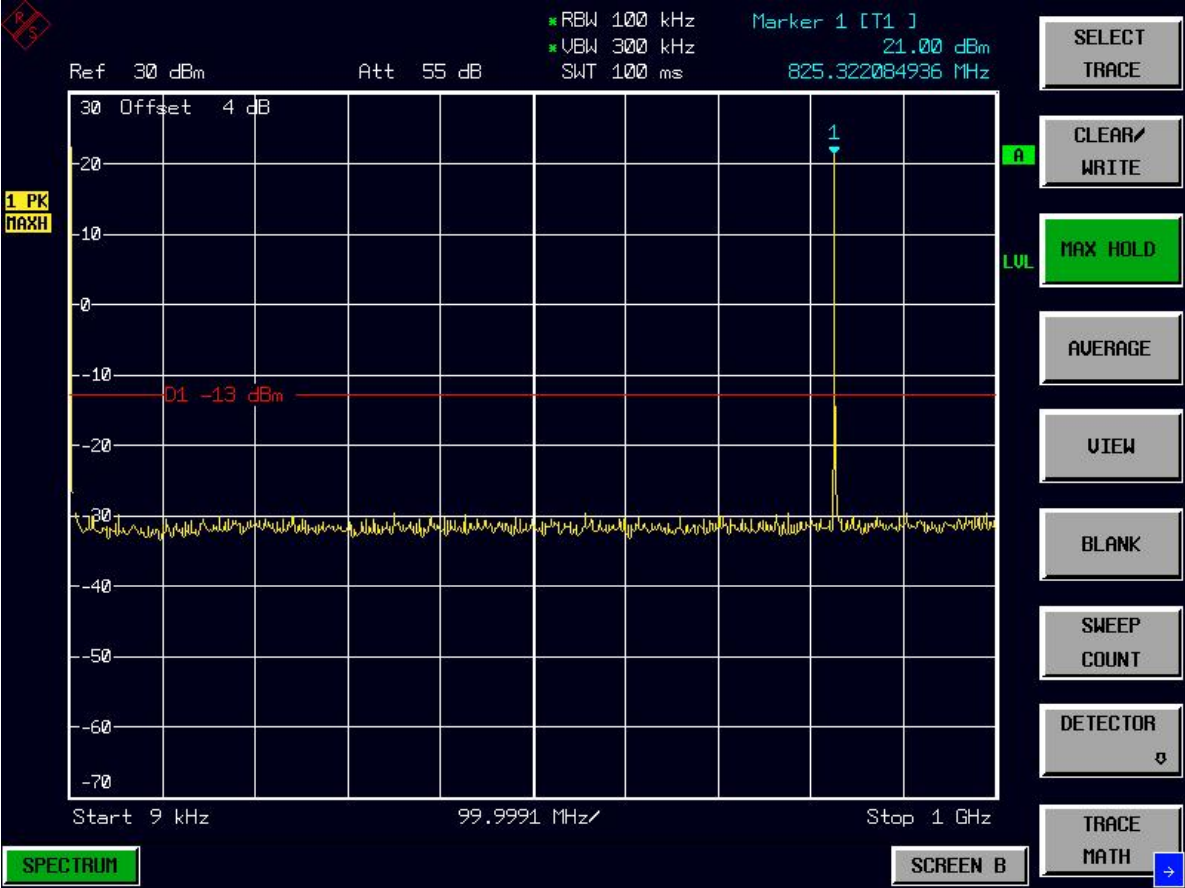
Spurious Emission at Antenna Terminal

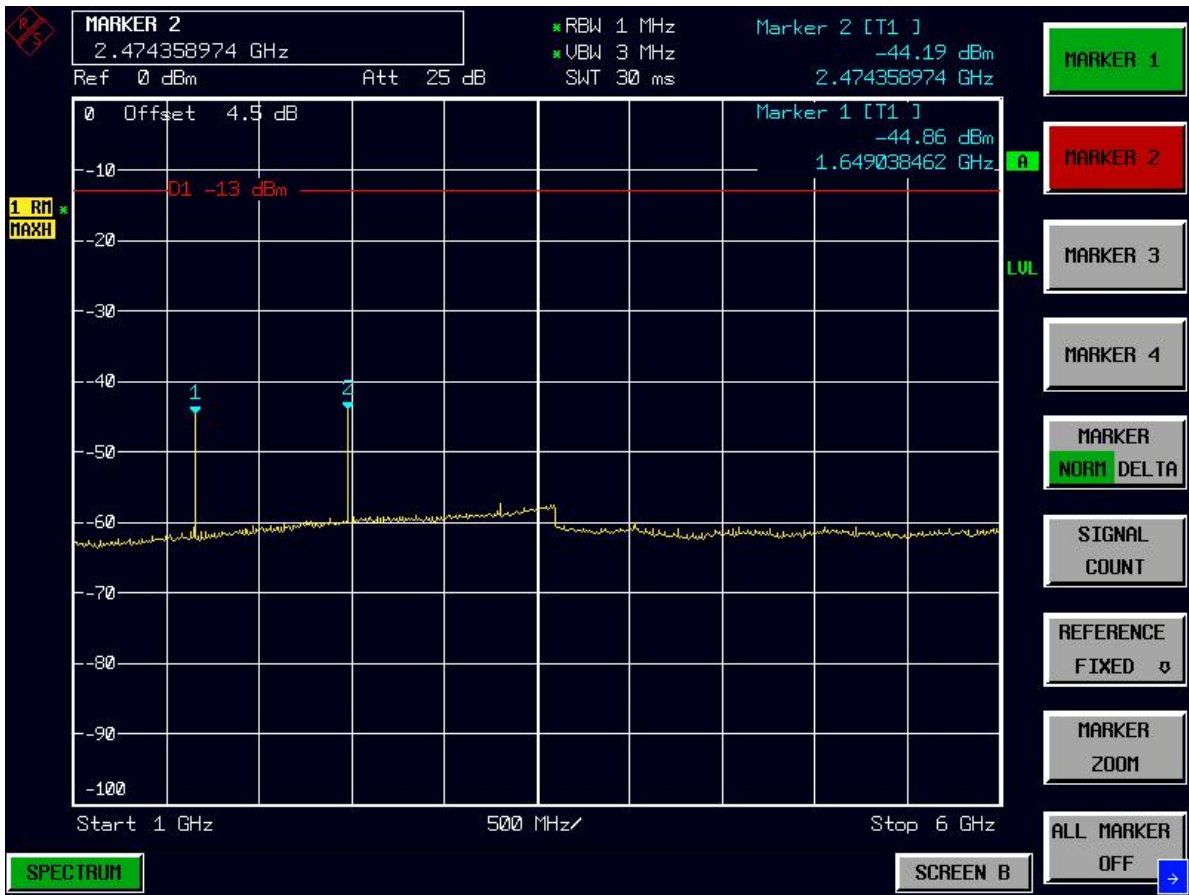
According to FCC Part 2.1051 & 22.917

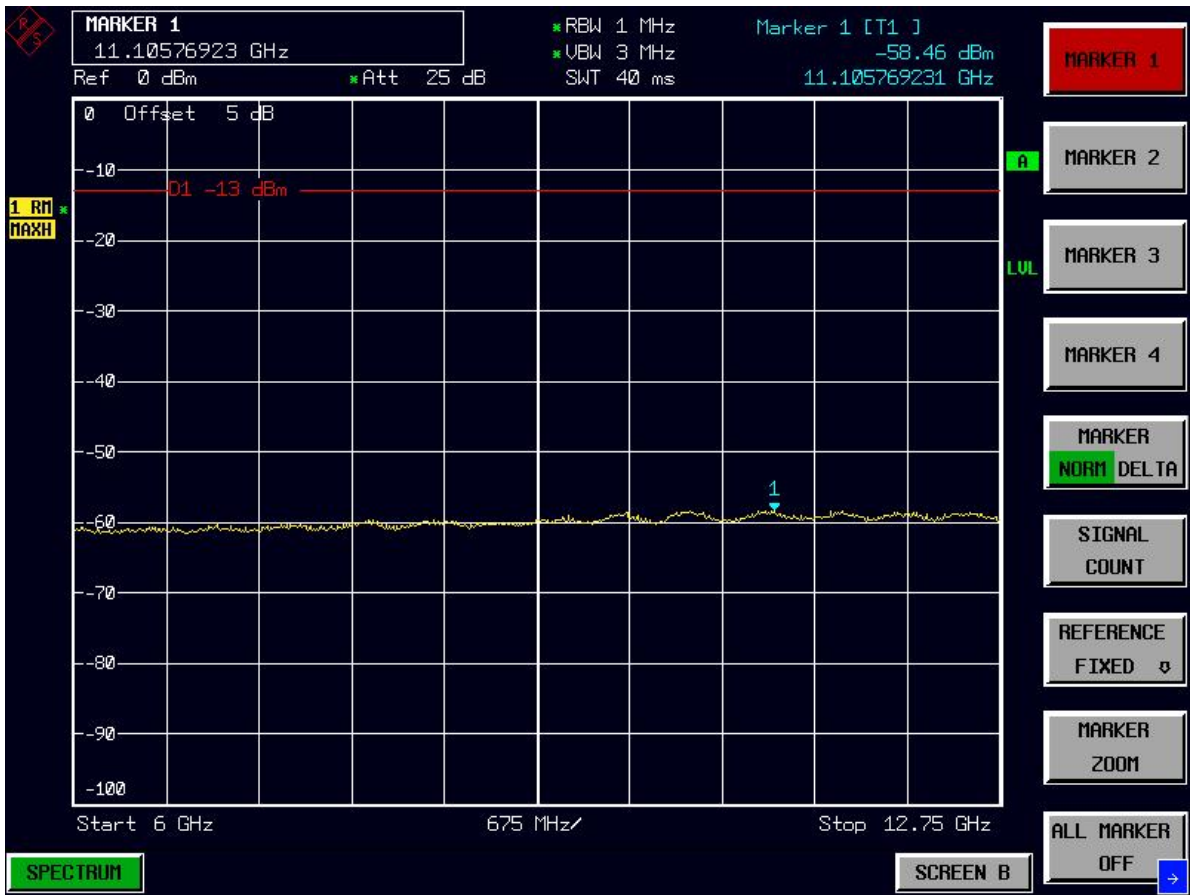


1.1 TM1

Channel 1013

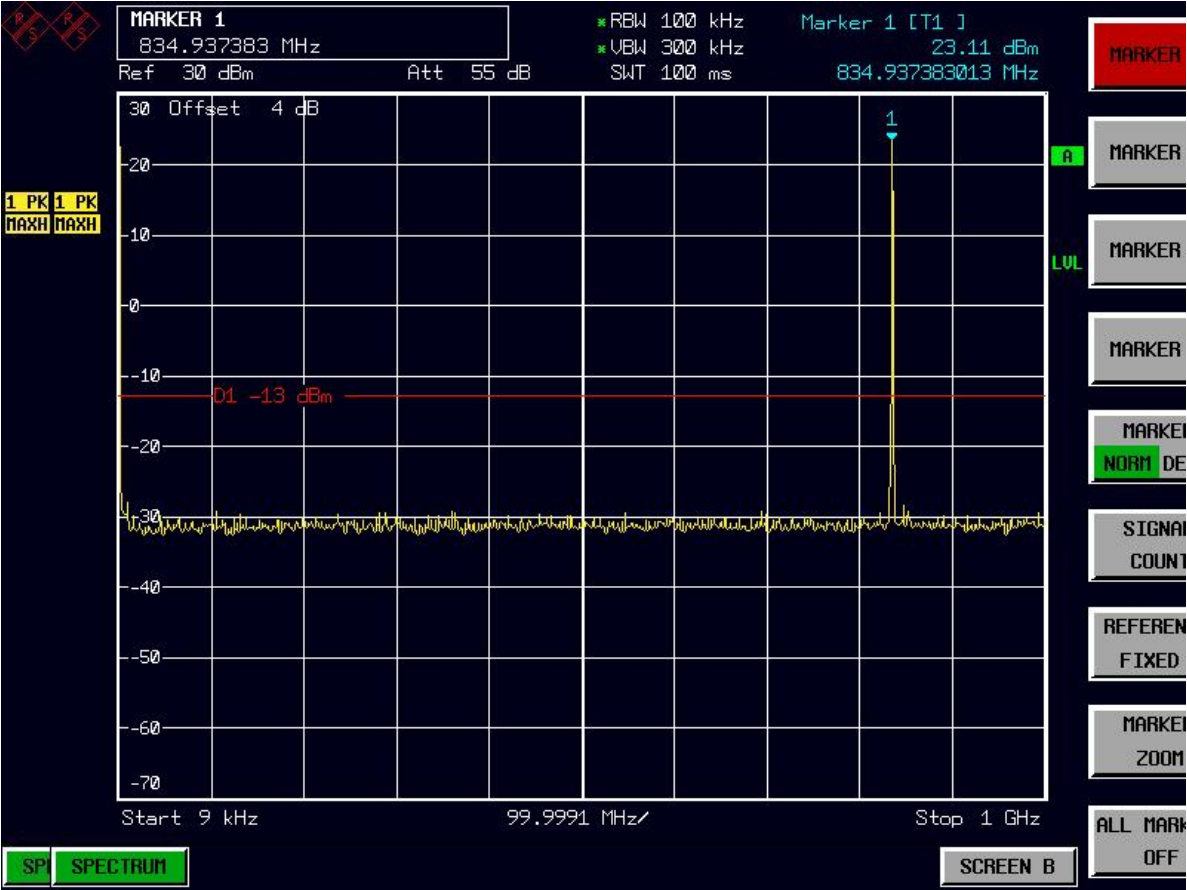


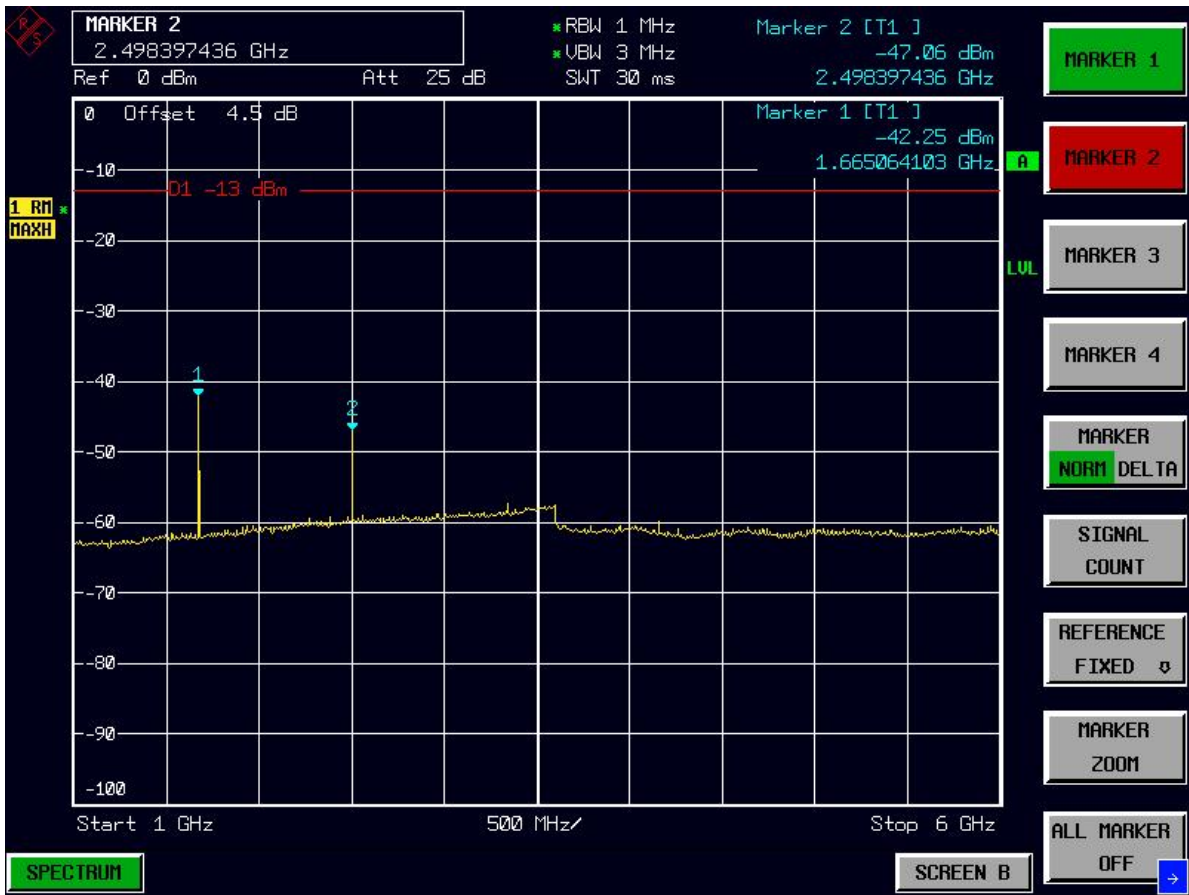


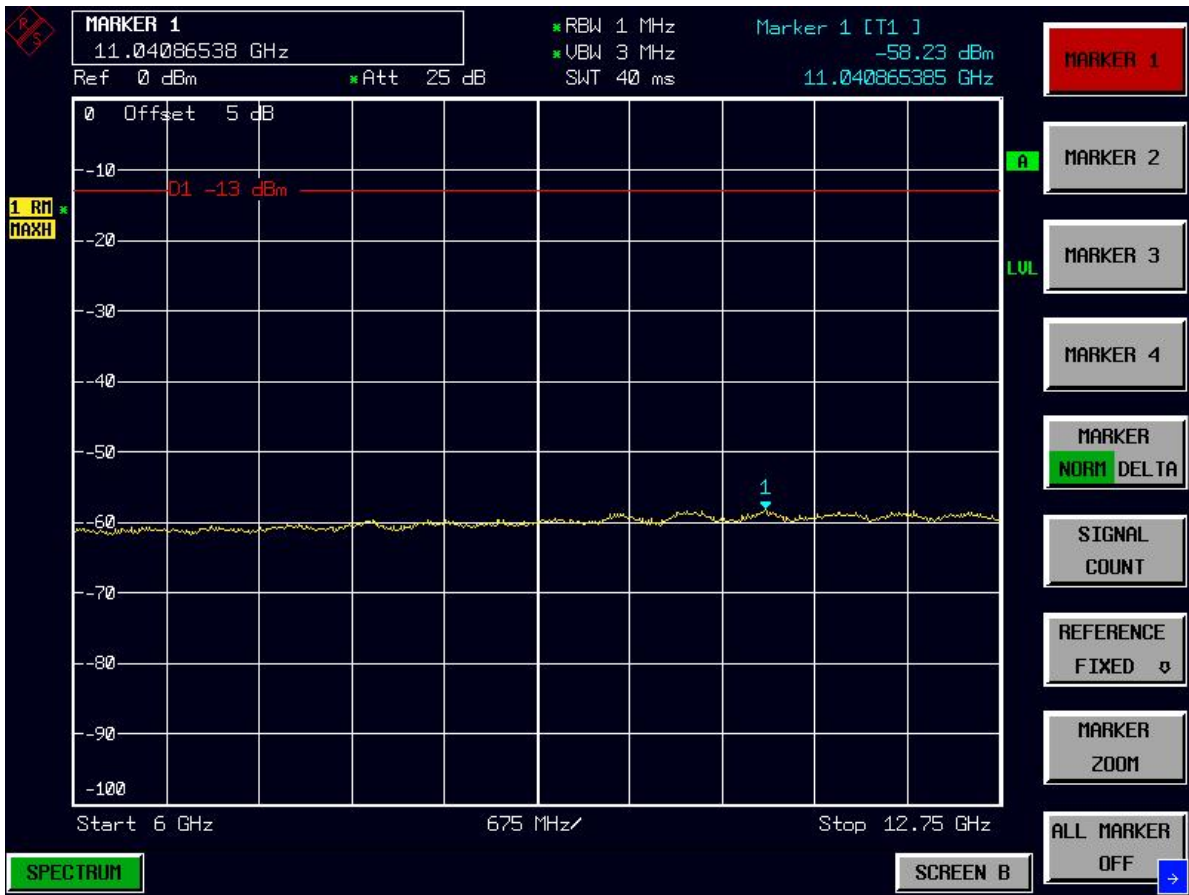




Channel 283

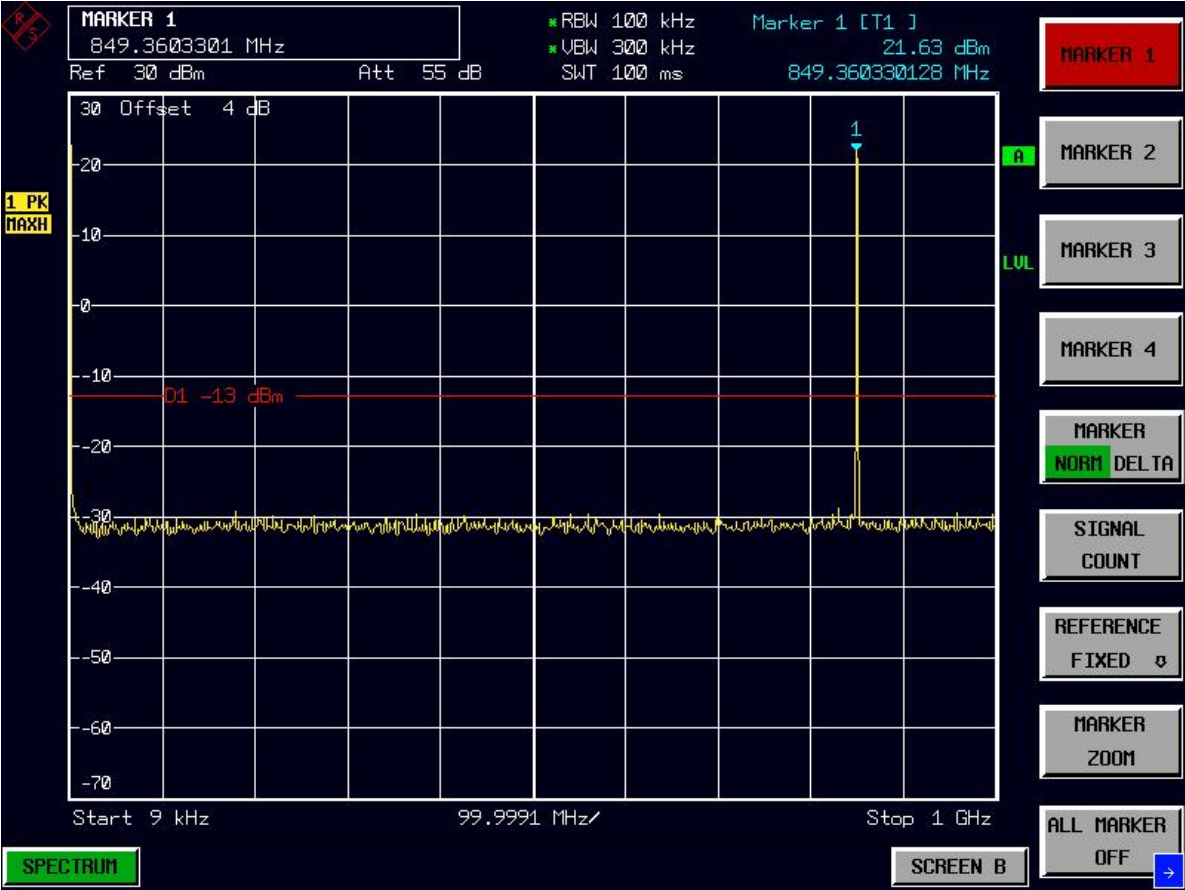


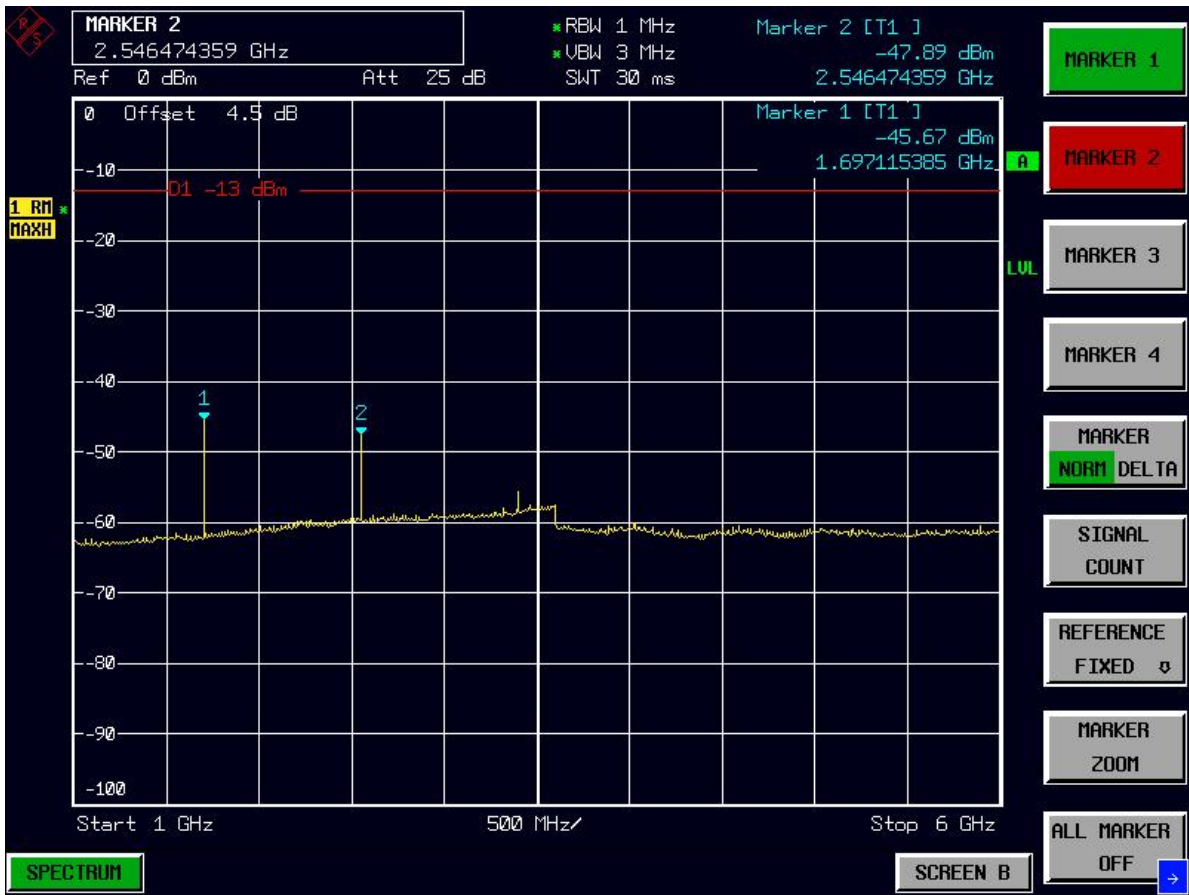


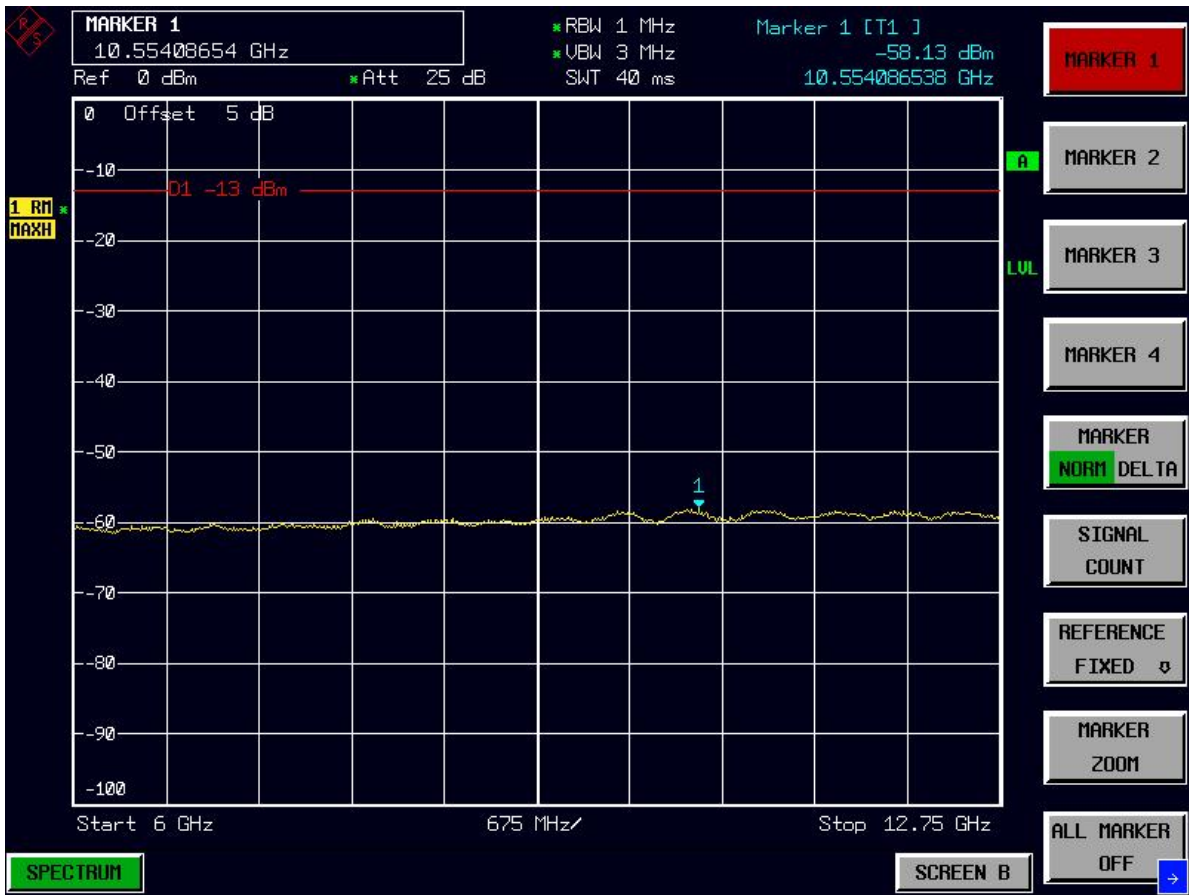




Channel 777

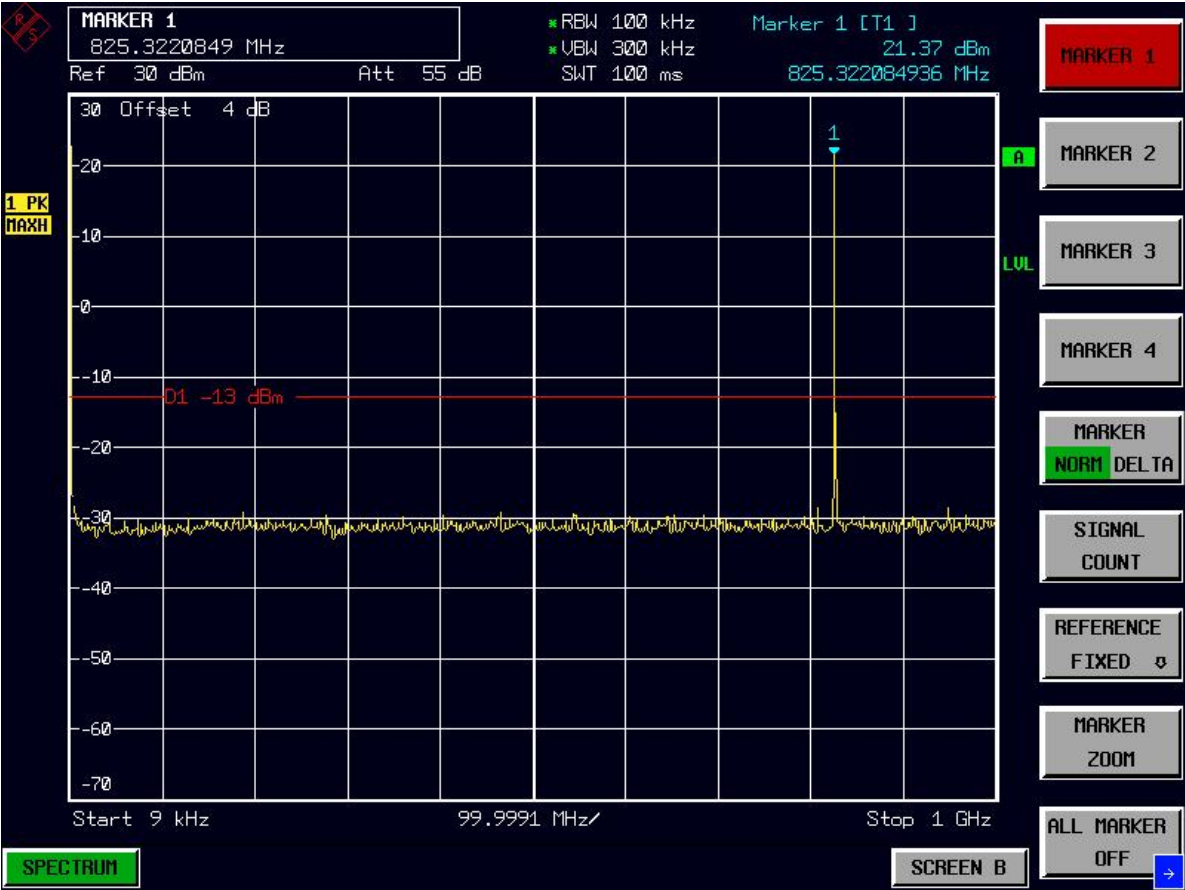


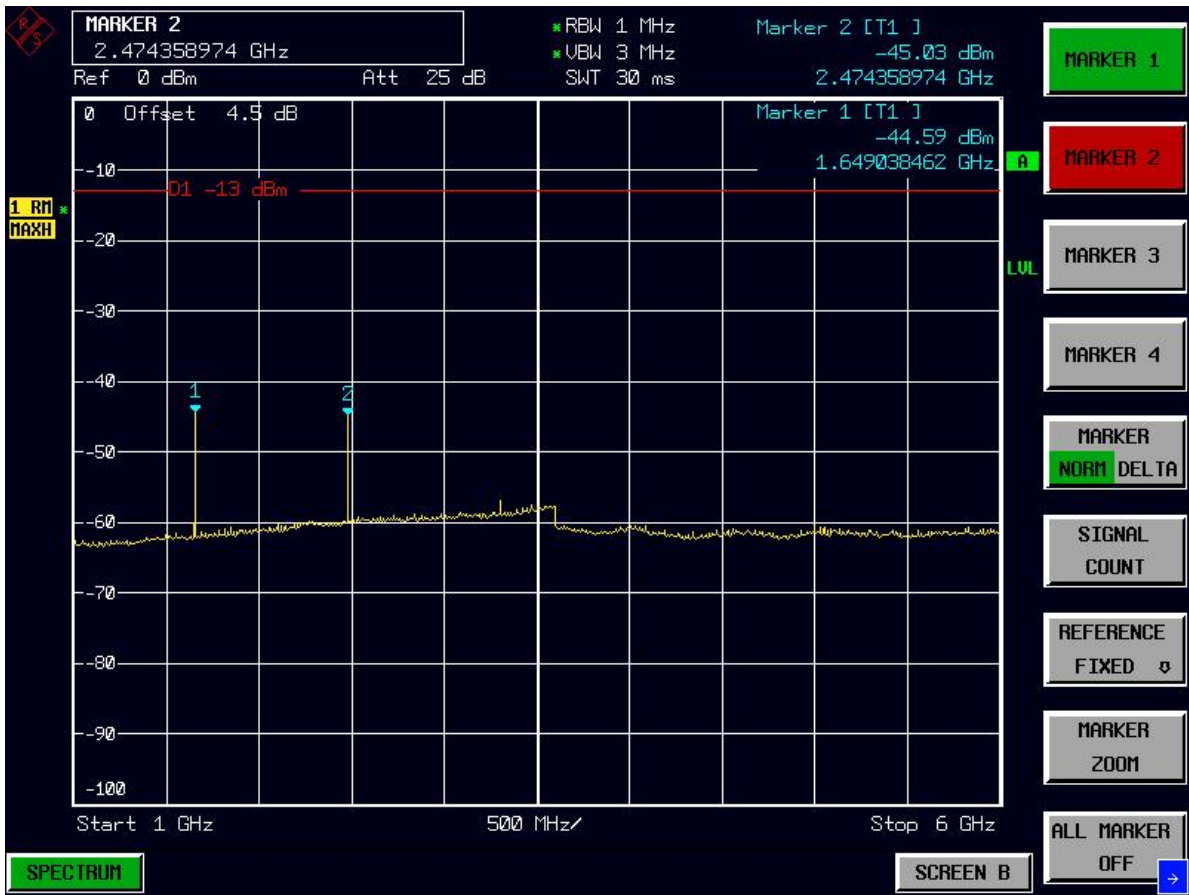


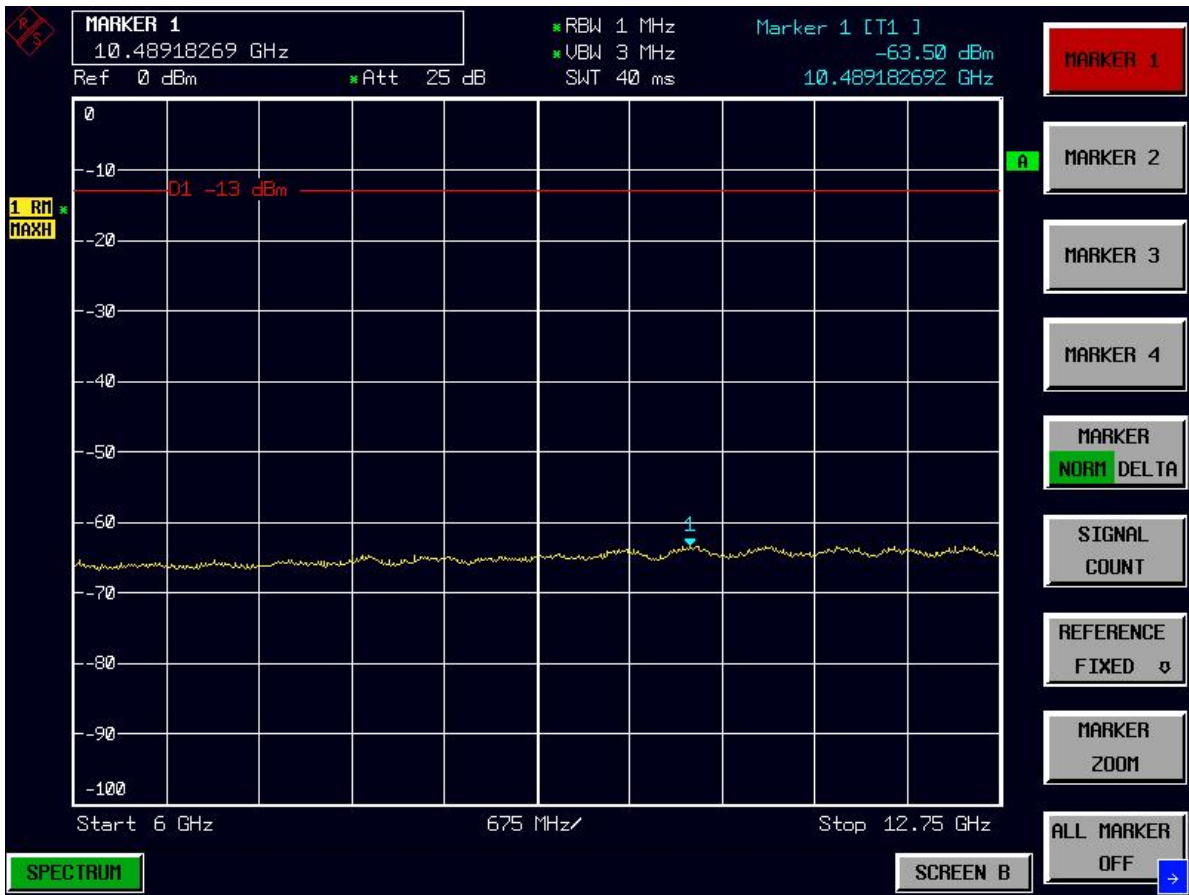


1.2 TM3

Channel 1013

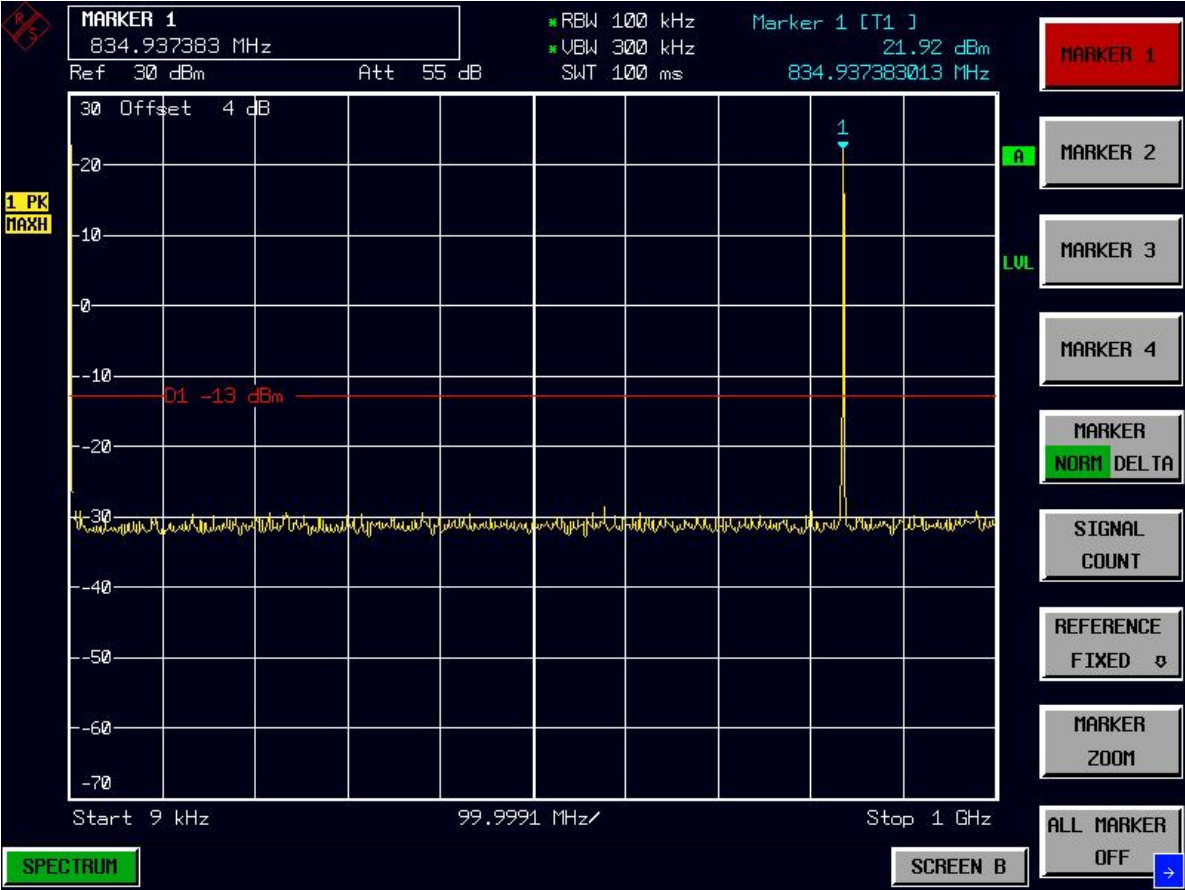


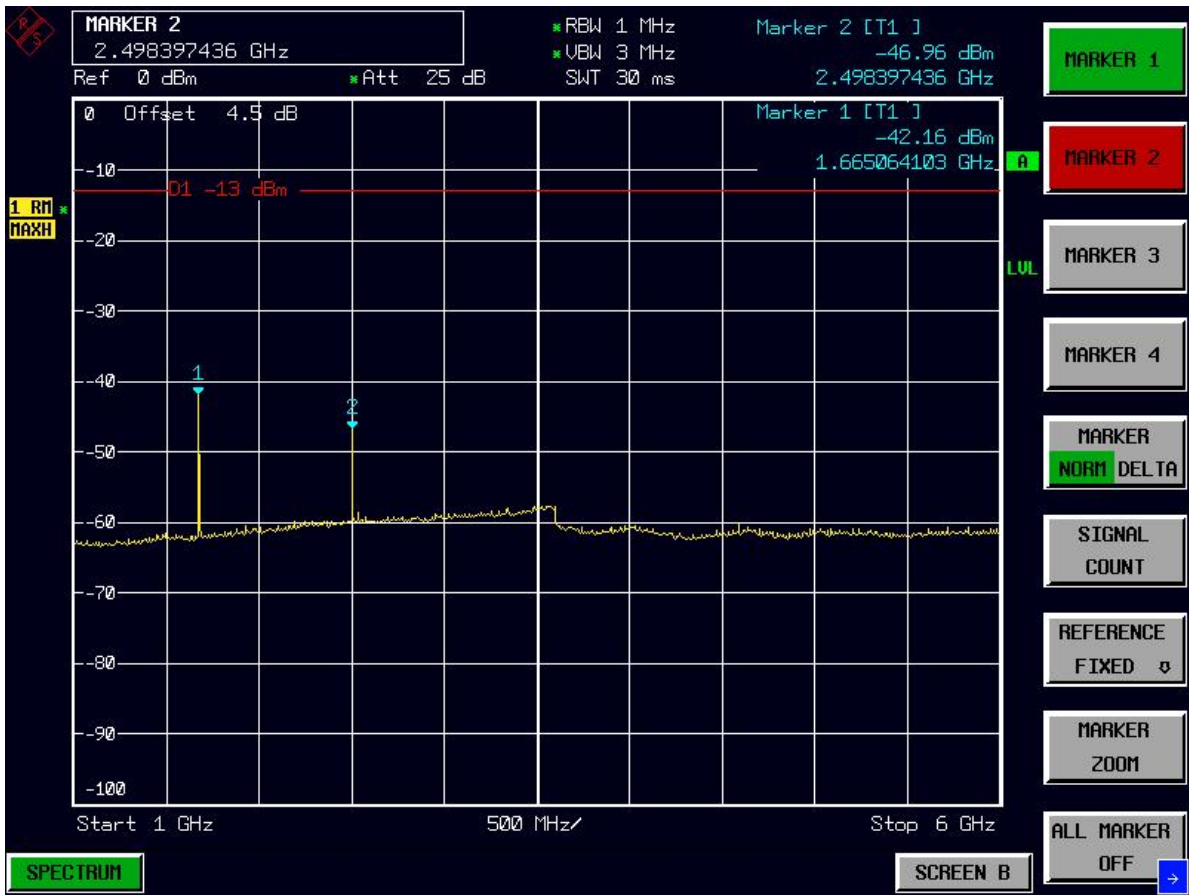


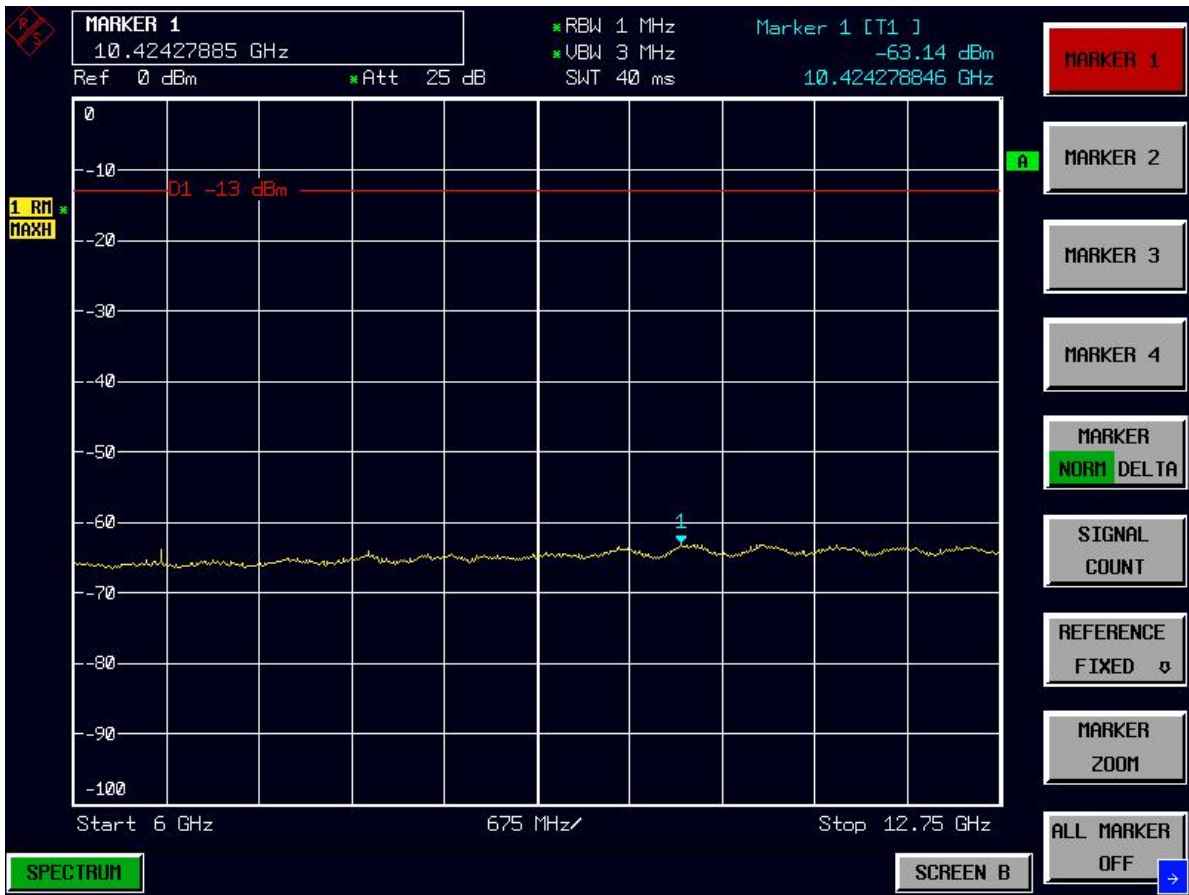




Channel 283

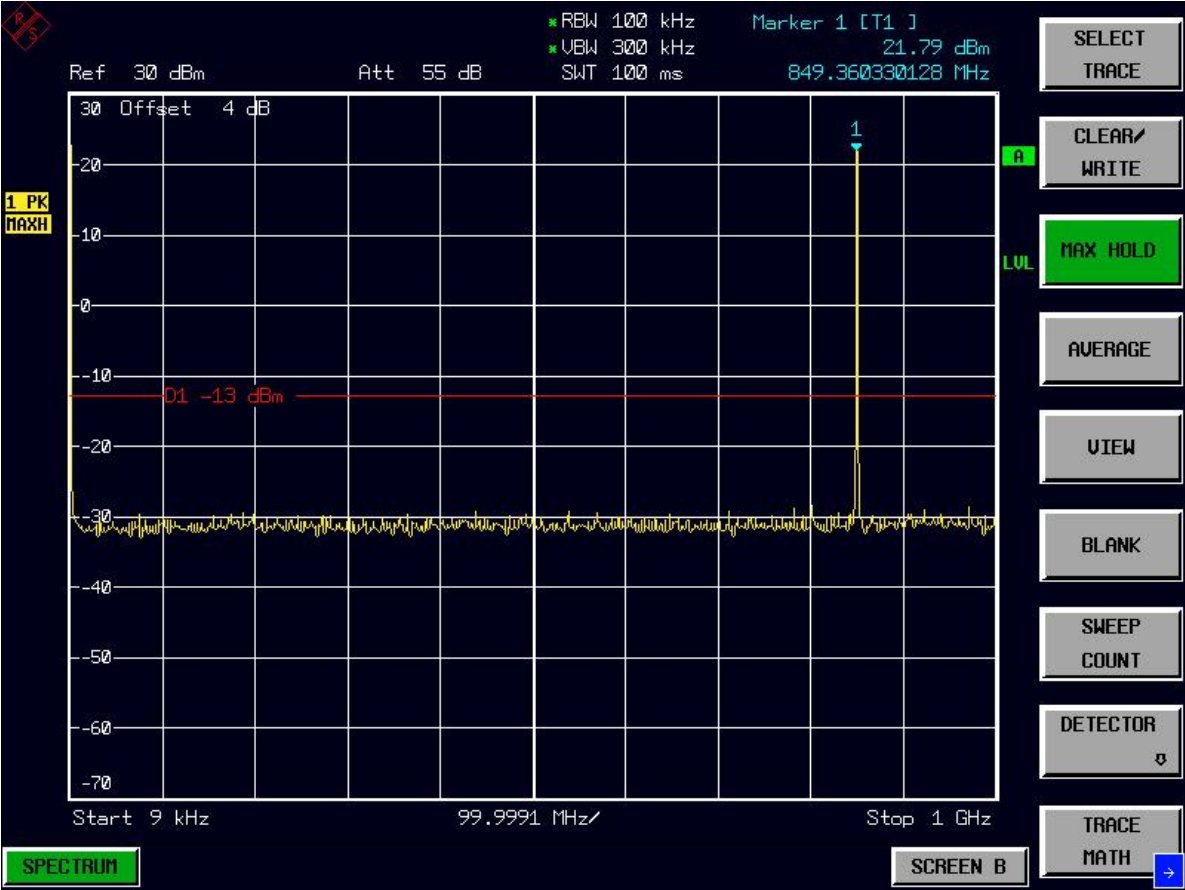


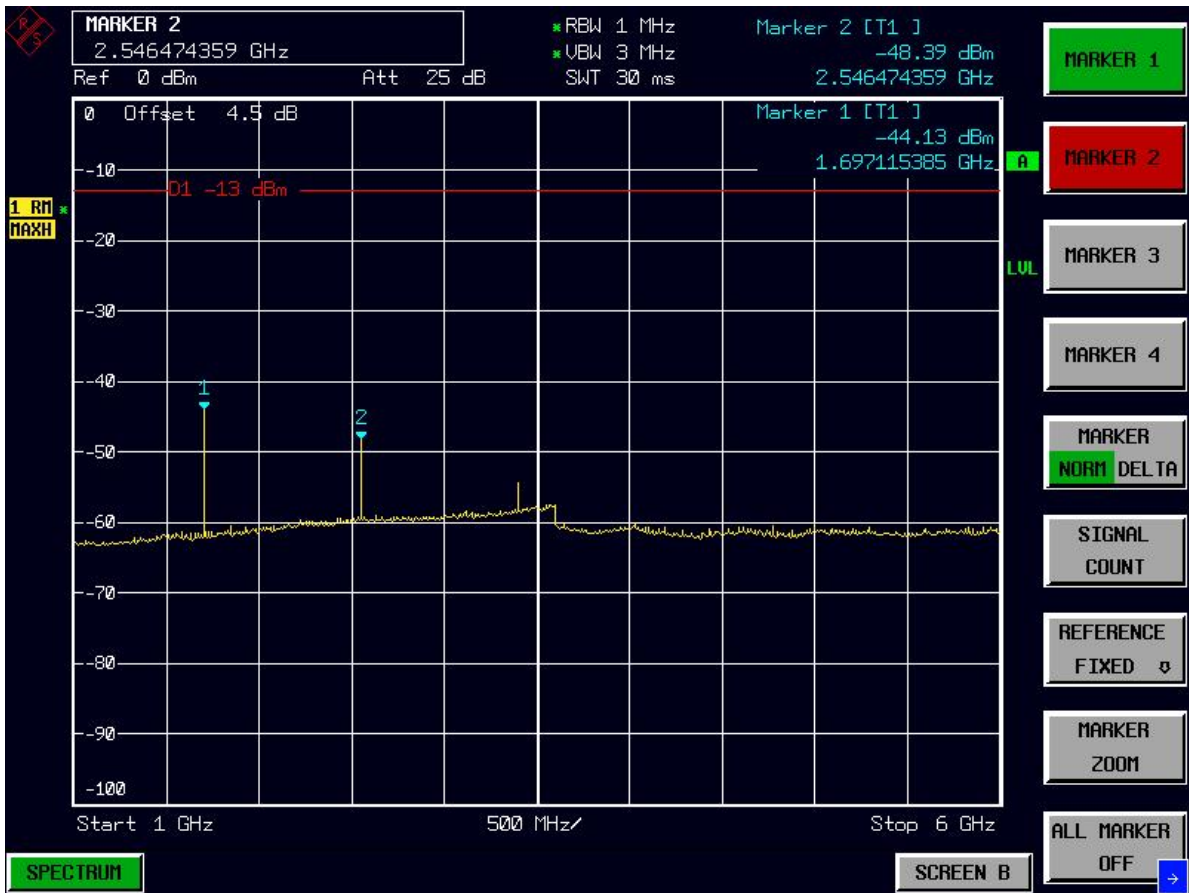


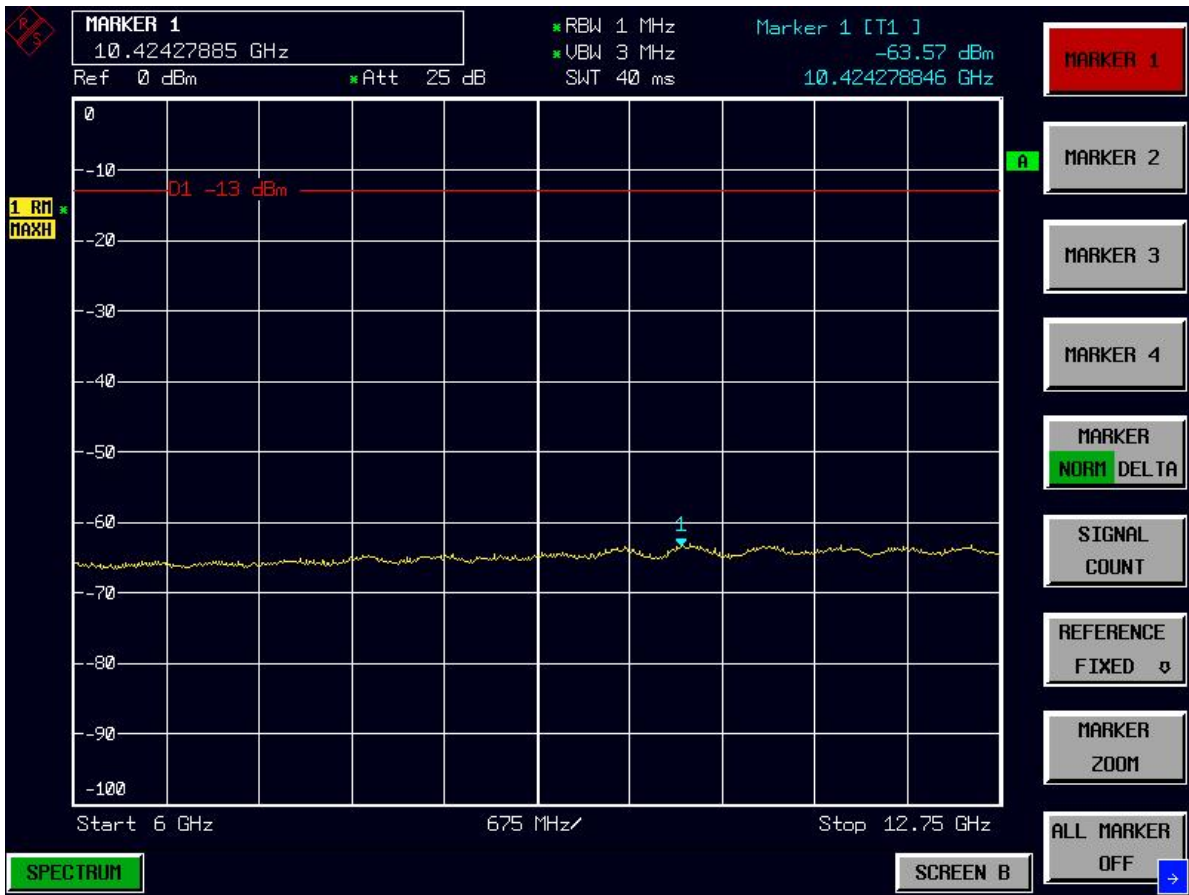




Channel 777



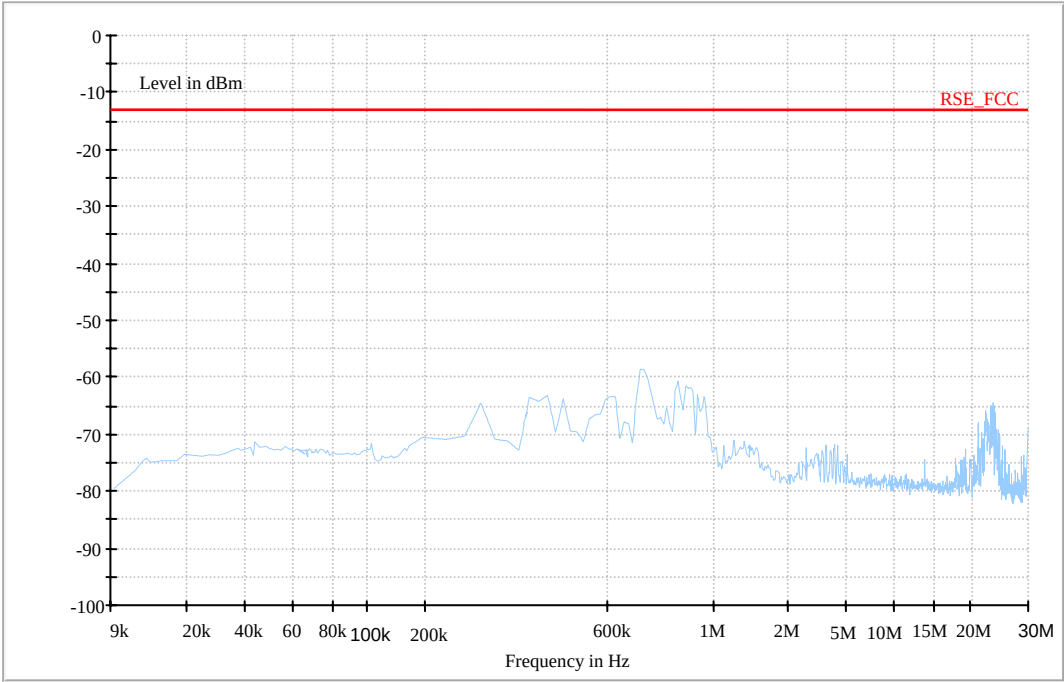




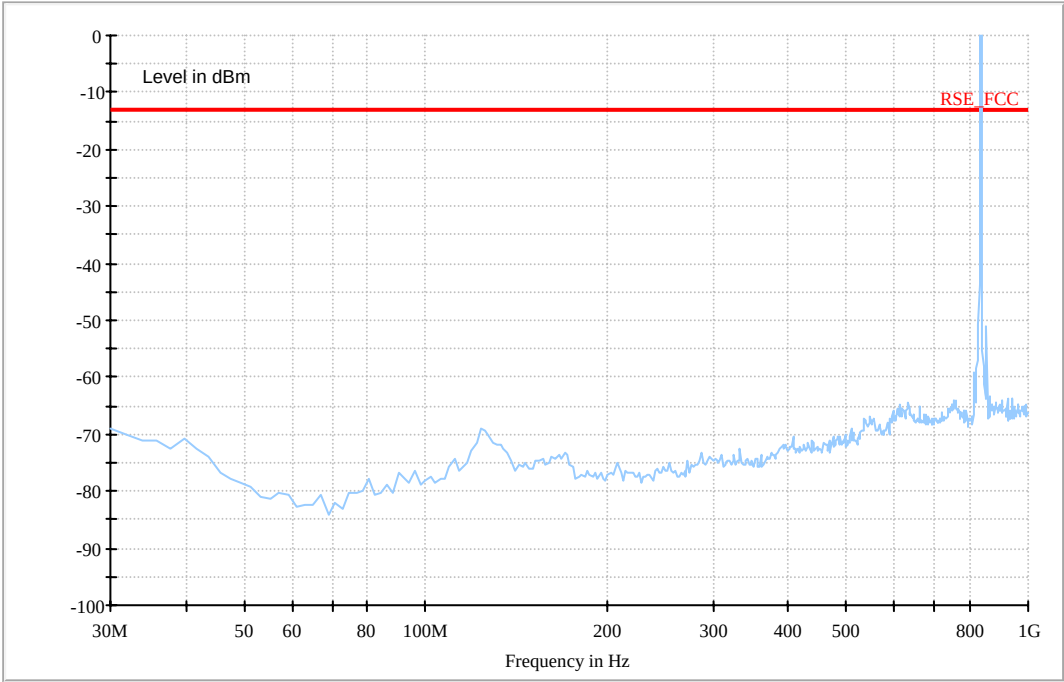
Appendix F

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

Traffic Mode (9kHz-30MHz)

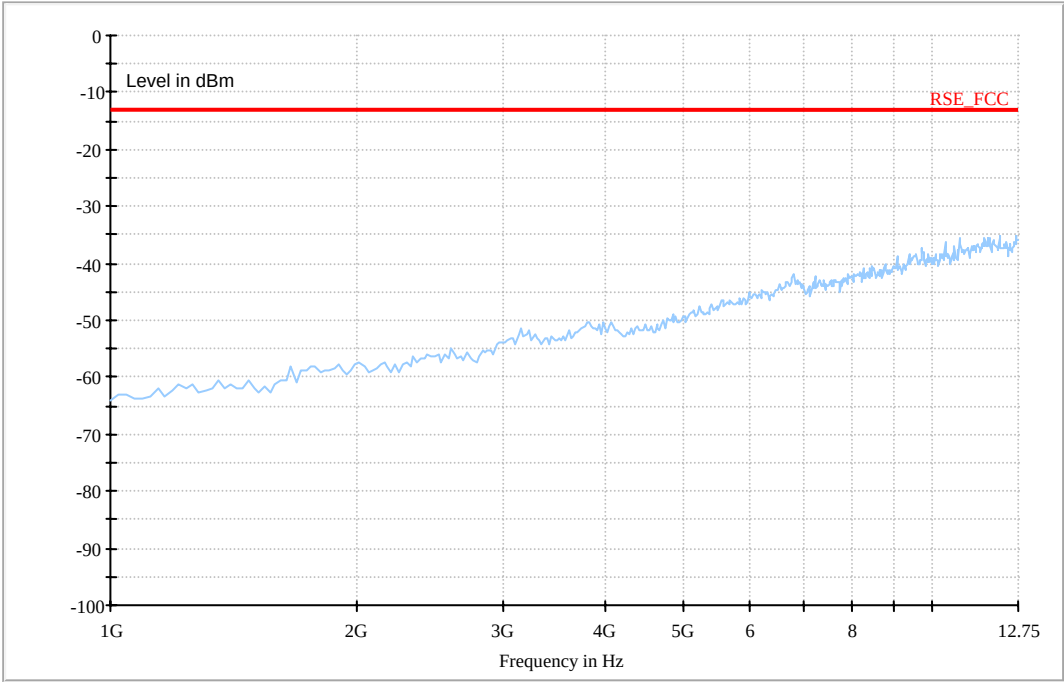


Traffic Mode (30MHz-1GHz)

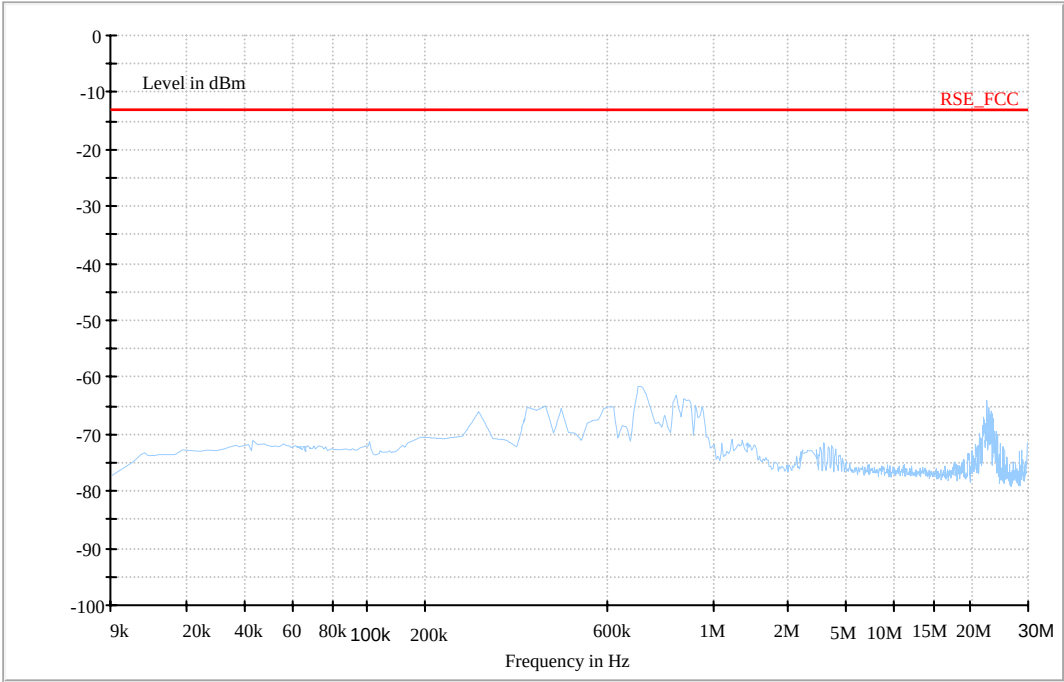


Note: The frequency which exceeded the limit was the carrier frequency.

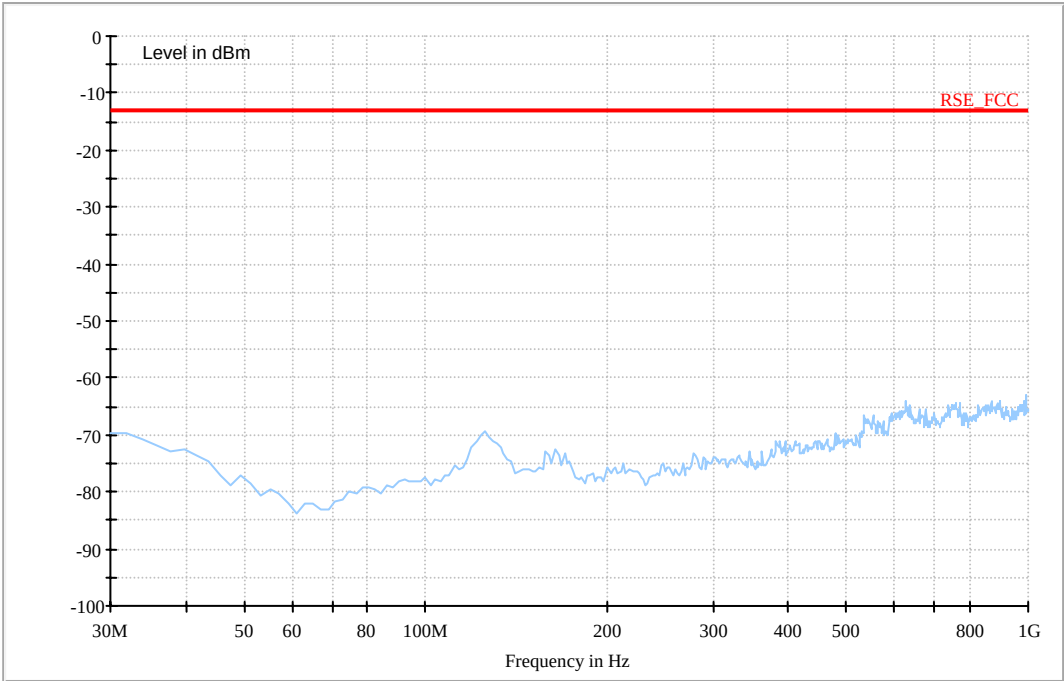
Traffic Mode (1GHz-12.75GHz)



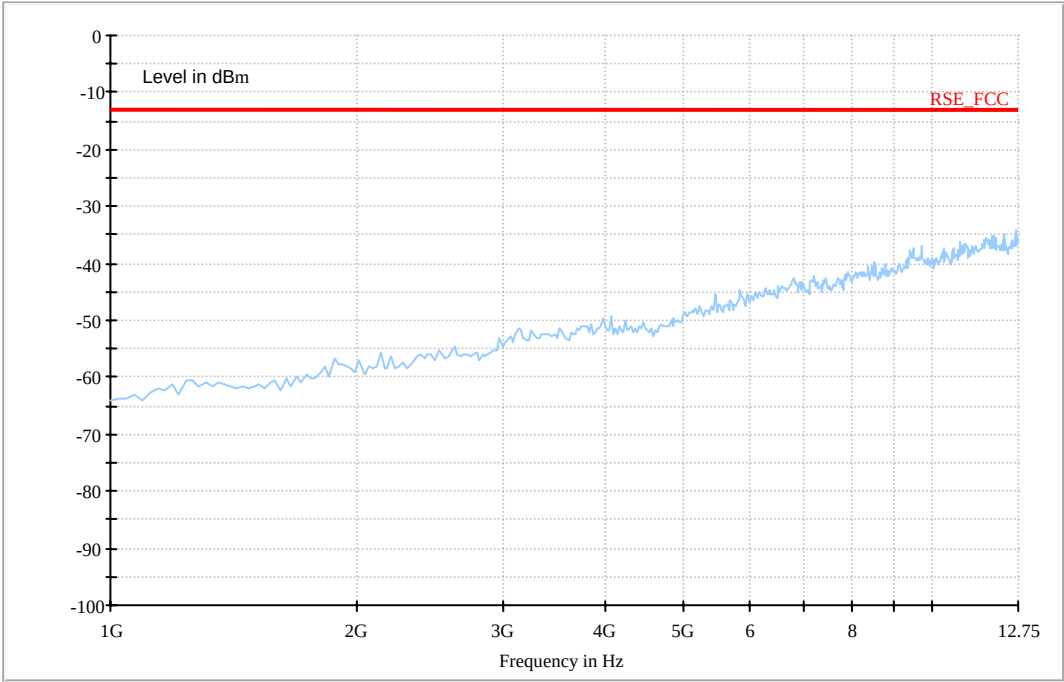
IDLE Mode (9 kHz-30MHz)



IDLE Mode (30MHz-1GHz)



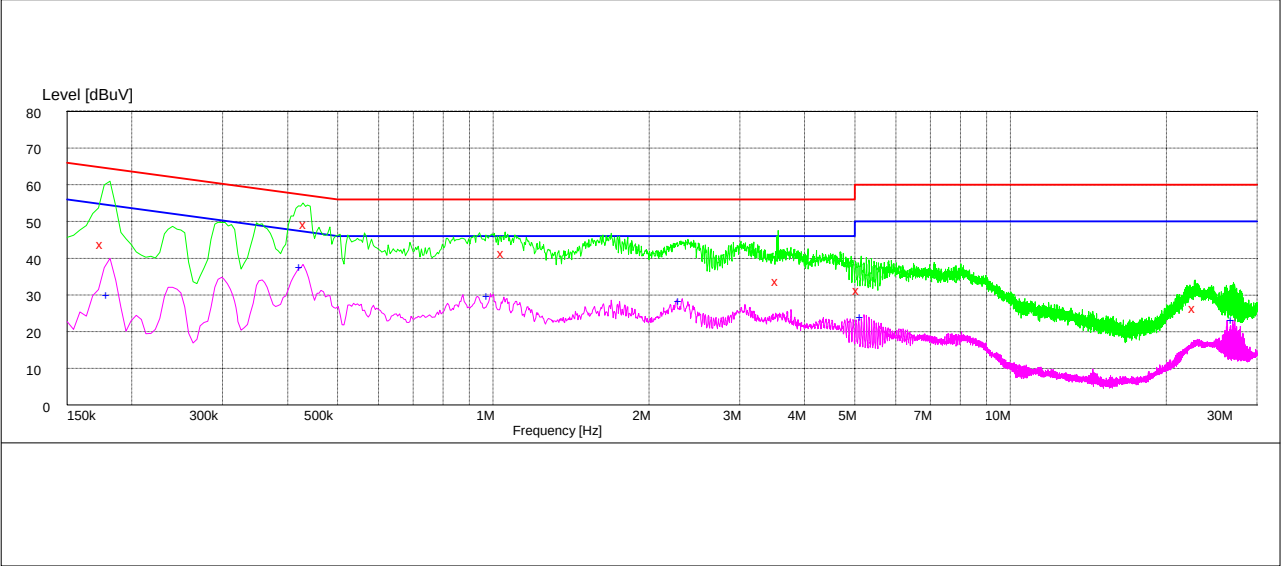
IDLE Mode (1GHz-12.75GHz)



Appendix G

Conducted Emission at Power Port According to CFR 47 (FCC) part 15.107

Test data for Adapter 1



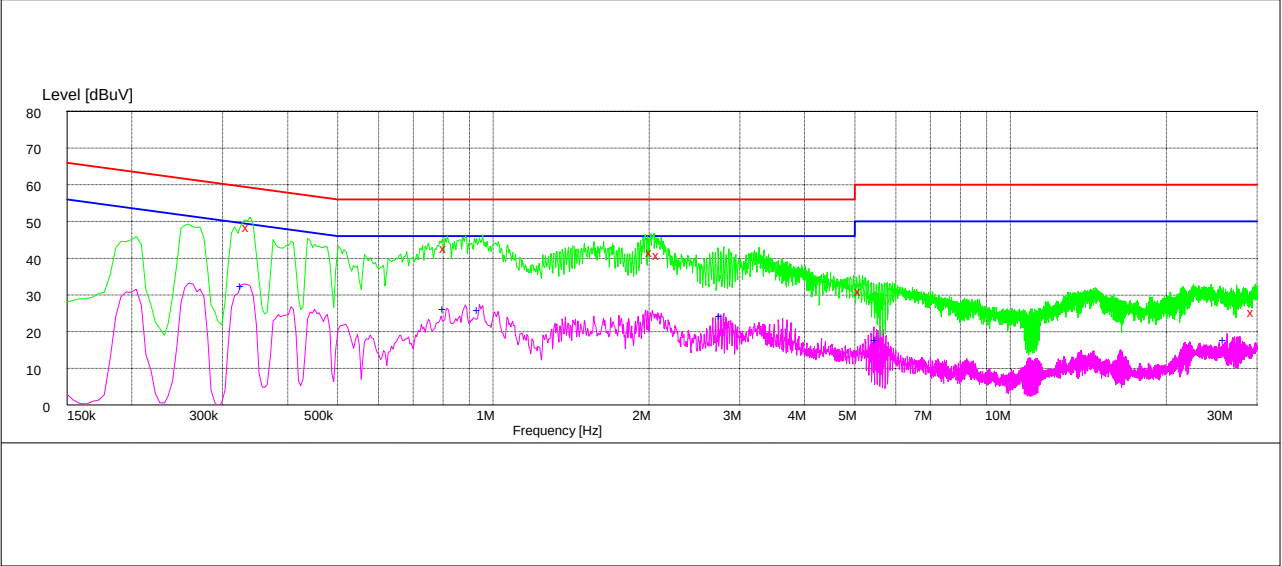
MEASUREMENT RESULT: QP DECTER

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.177000	44.10	10.7	65	20.5	N	GND
0.438000	49.70	10.0	57	7.4	L3	GND
1.054500	41.80	9.9	56	14.2	L3	GND
3.574500	34.20	10.0	56	21.8	N	GND
5.136000	31.60	10.1	60	28.4	L3	GND
22.897500	26.70	15.5	60	33.3	L3	GND

MEASUREMENT RESULT: AV DECTER

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.181500	30.40	10.7	54	24.0	N	GND
0.429000	38.10	10.0	47	9.2	L3	GND
0.987000	30.00	9.9	46	16.0	L3	GND
2.319000	28.80	10.1	46	17.2	L3	GND
5.212500	24.30	10.2	50	25.7	L3	GND
27.123000	23.40	13.7	50	26.6	L3	GND

Test data for Adapter 2



MEASUREMENT RESULT: QP DECTER

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.339000	48.80	10.2	59	10.4	L3	GND
0.816000	43.10	9.9	56	12.9	L3	GND
2.040000	42.20	10.1	56	13.8	L3	GND
2.107500	41.30	10.1	56	14.7	L3	GND
5.163000	31.50	10.1	60	28.5	L3	GND
29.742000	25.60	13.7	60	34.4	N	GND

MEASUREMENT RESULT: AV DECTER

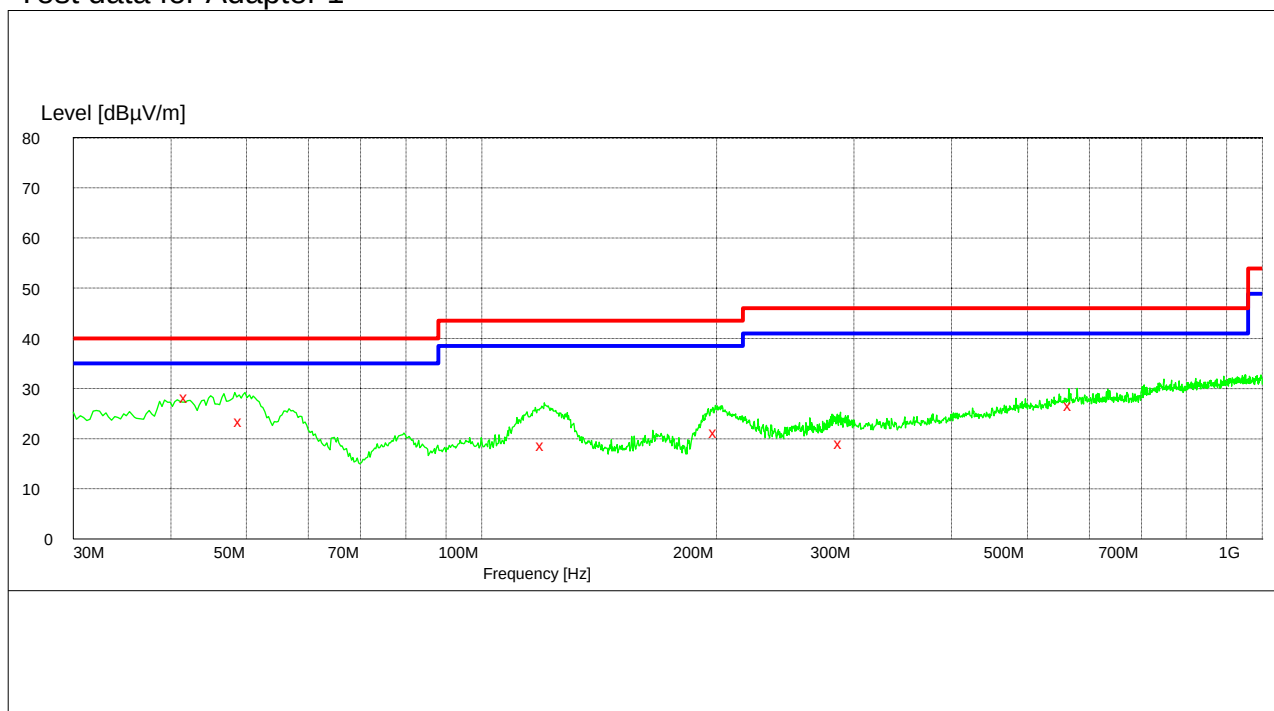
Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.330000	32.90	10.2	50	16.5	L3	GND
0.811500	26.50	9.9	46	19.5	L3	GND
0.946500	26.30	9.9	46	19.7	L3	GND
2.782500	24.70	10.1	46	21.3	L3	GND
5.559000	18.10	10.2	50	31.9	N	GND
26.232000	18.20	14.2	50	31.8	L3	GND

Appendix H

Radiated Emission of Enclosure in Idle Mode

According to CFR 47 (FCC) part 15.109

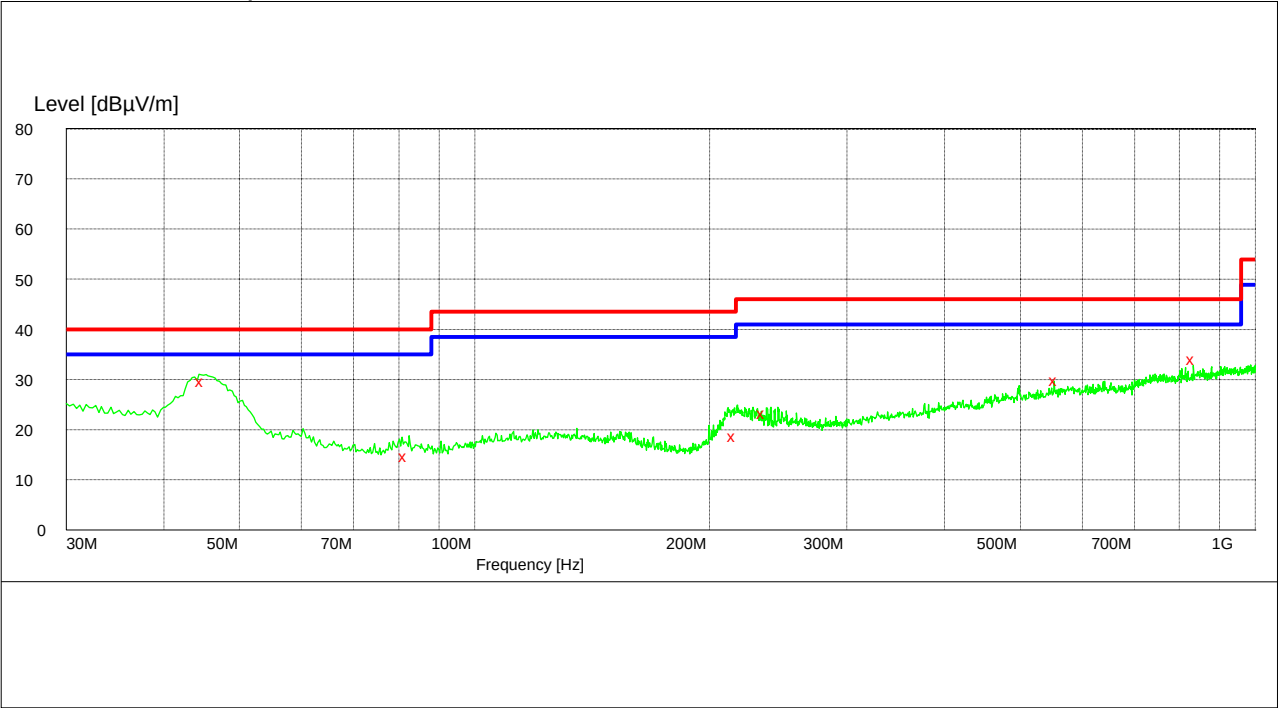
Test data for Adapter 1



MEASUREMENT RESULT: QP DECTER

Frequency (MHz)	Level (dBμV/m)	Transd (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
42.000000	28.40	-12.9	40.0	11.6	100.0	235.00	VERTICAL
49.320000	23.70	-16.2	40.0	16.3	100.0	338.00	VERTICAL
120.180000	18.90	-12.1	43.5	24.6	266.0	0.00	HORIZONTAL
289.260000	19.20	-9.2	46.0	26.8	100.0	0.00	HORIZONTAL
569.700000	26.90	-3.6	46.0	25.1	100.0	0.00	VERTICAL
200.160000	21.50	-14.1	43.5	22.0	128.0	270.00	HORIZONTAL

Test data for Adapter 2



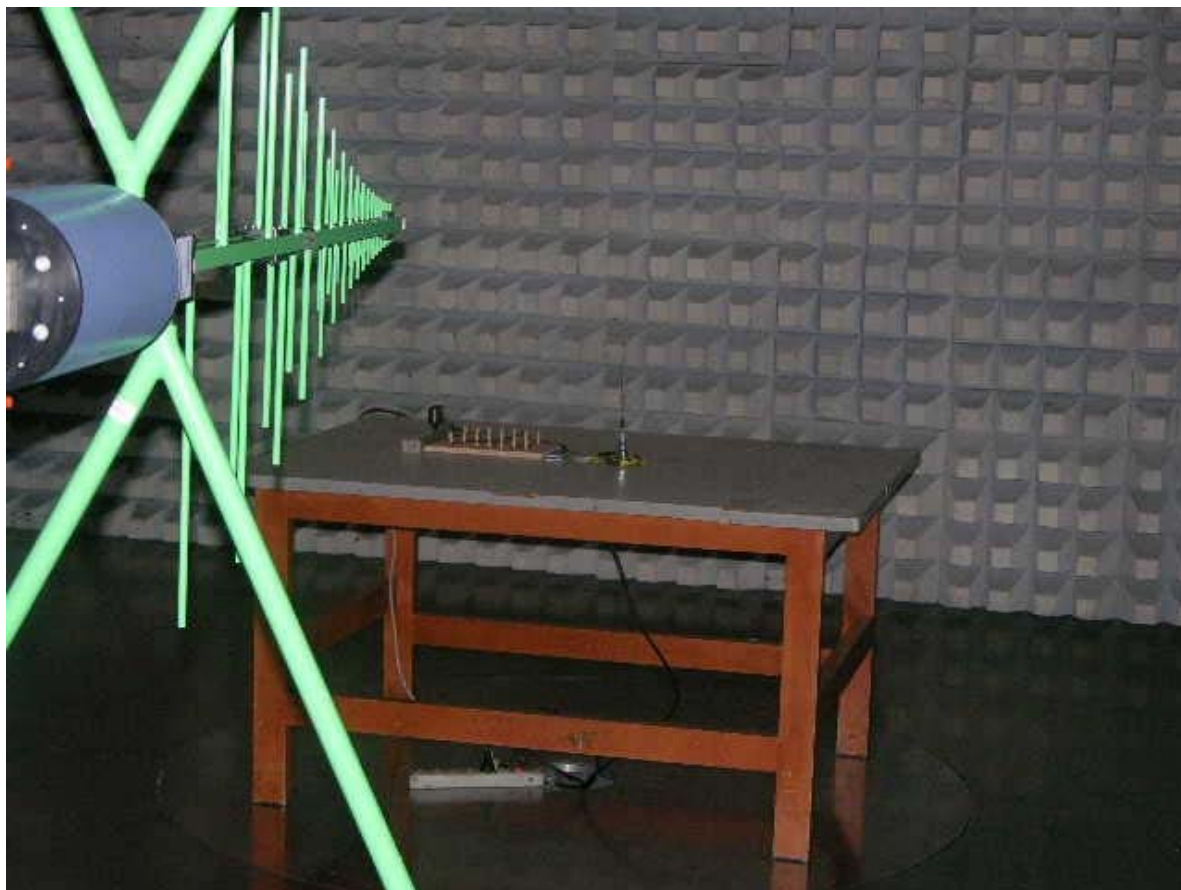
MEASUREMENT RESULT: QP DECTER

Frequency (MHz)	Level (dBµV/m)	Transd (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
44.880000	29.80	-14.2	40.0	10.2	100.0	237.00	VERTICAL
81.840000	14.90	-16.8	40.0	25.1	128.0	30.00	VERTICAL
215.700000	18.90	-14.1	43.5	24.6	100.0	330.00	HORIZONTAL
234.960000	23.40	-12.1	46.0	22.6	206.0	163.00	VERTICAL
556.980000	30.00	-3.8	46.0	16.0	100.0	90.00	HORIZONTAL
835.380000	34.20	-0.7	46.0	11.8	100.0	0.00	VERTICAL

Appendix I

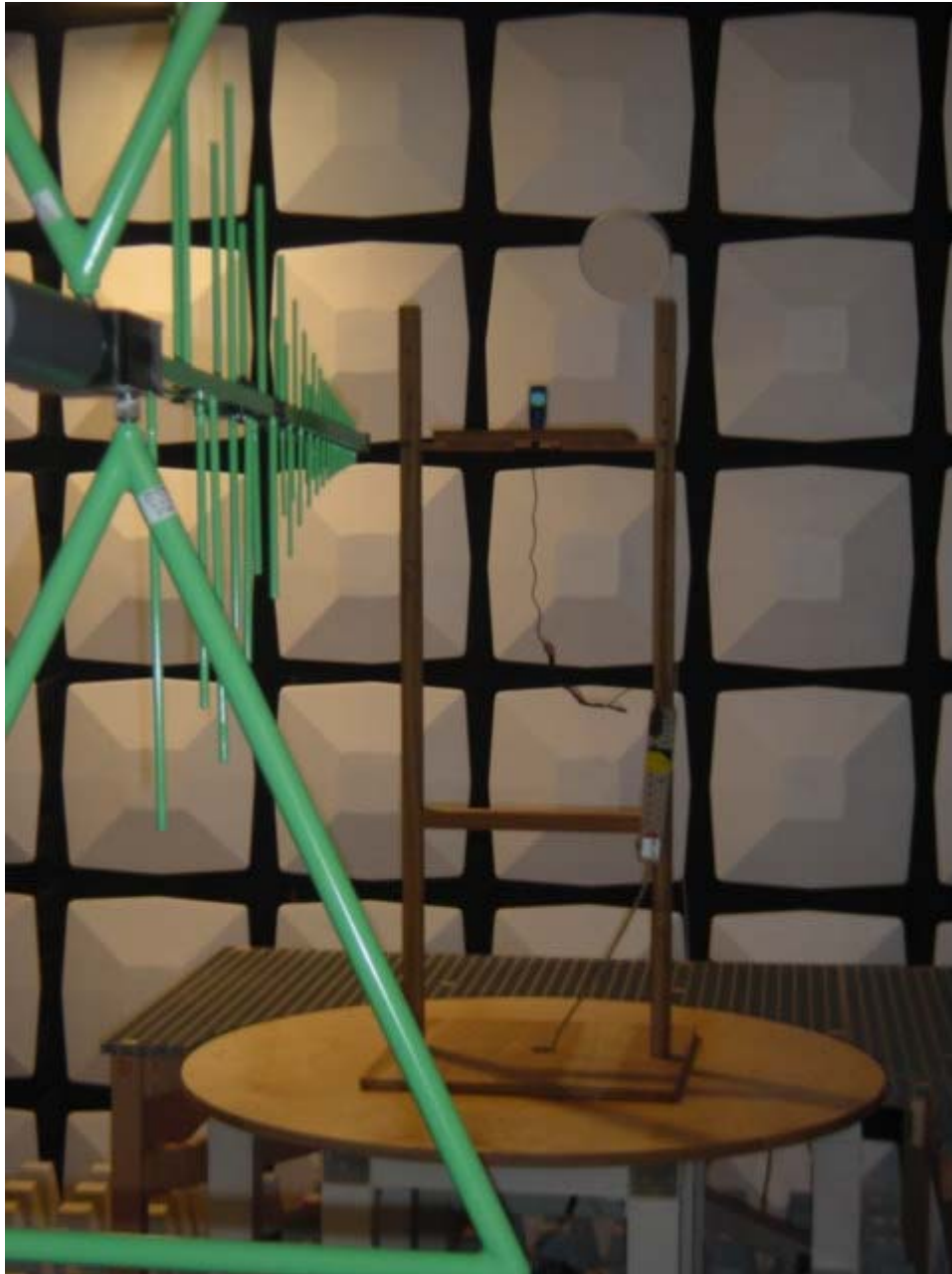
Photos of Test Setup

2 Radiated Emissions



Radiated Disturbance

3 Radiated Spurious Emissions

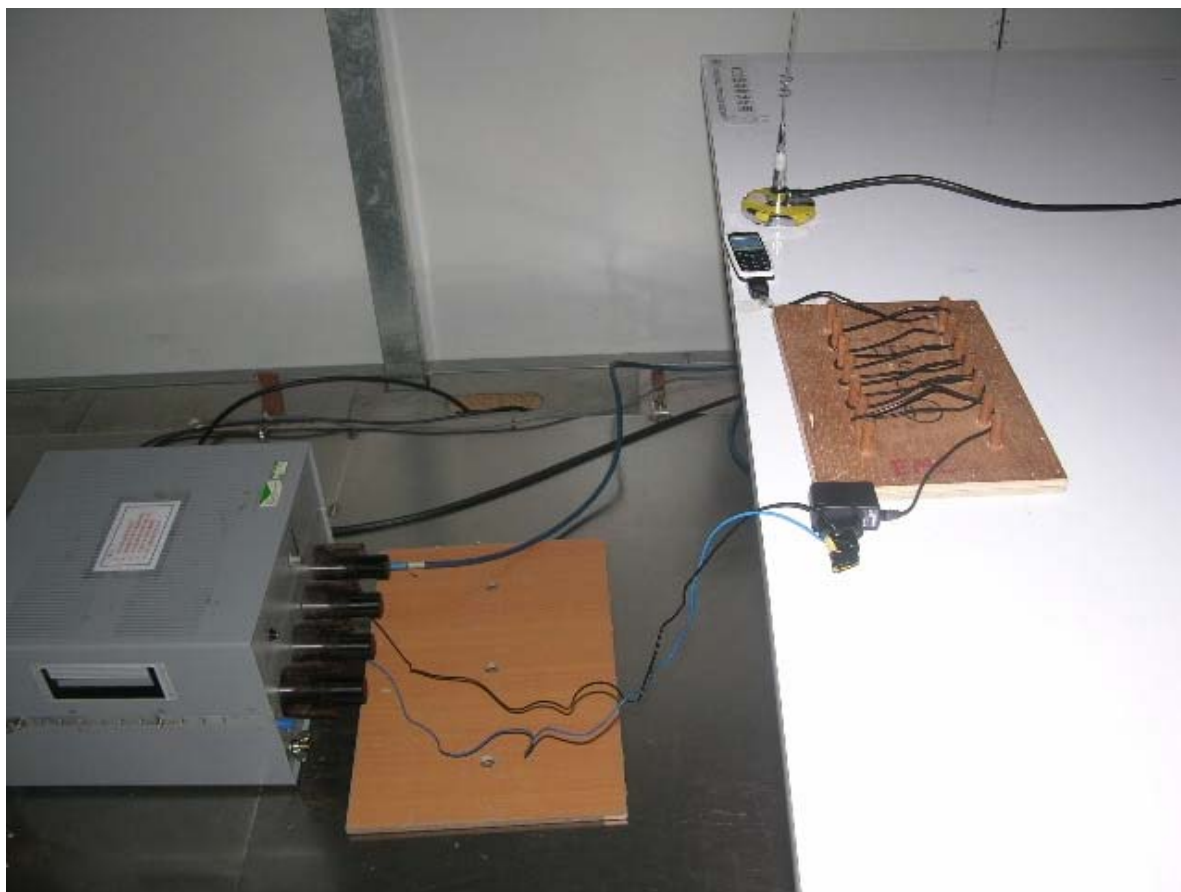


Radiated Spurious Emission (below 1GHz)



Radiated Spurious Emission (above 1GHz)

4 Conducted Emissions



Conducted Emissions for AC Ports