



Appendix A

Channel Power Measurement

According to CFR 47 (FCC) part 2.1046 & 22.913



Channel 1013

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>24.85</p> <p>dBm</p> </div> <div style="text-align: center;"> <p>Minimum Power</p> <p>-65.67</p> <p>dBm/1.23 MHz</p> </div> </div> <p style="text-align: right; margin-top: 10px;">Single</p>						Cell Power		
Maximum Power Setup ▾							-25.00		
Minimum Power Setup ▾							dBm/1.23 MHz		
1 of 2							Cell Band		
							US Cellular		
							Channel		
							1013		
							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
							(Fud1, Rus1)		
							S02 (Loopback)		
							FCH Service Option Setup ▾		
			Active Cell		Sys Type: IS-2000				
			Connected						
			IntRef	Offset					
							1 of 4		



Measurement/Instrument Screen										
Control		Maximum/Minimum Power					Call Params			
Max/Min Power Setup ▾		Maximum Power 24.87 dBm					Minimum Power -63.27 dBm/1.23 MHz			
Maximum Power Setup ▾										
Minimum Power Setup ▾										
		Single					Cell Power			
							-25.00			
							dBm/1.23 MHz			
							Cell Band			
							US Cellular			
							Channel			
							1013			
							Protocol Rev			
							6 (IS-2000-0)			
							Radio Config			
							(Fud3, Rvs3)			
							S055 (Loopback)			
							FCH Service Option Setup ▾			
		Active Cell Connected			Sys Type: IS-2000					
1 of 2					IntRef	Offset			1 of 4	



Channel 283

Measurement/Instrument Screen									
Control		Maximum/Minimum Power						Call Params	
Max/Min Power Setup ▾		Maximum Power		Minimum Power		Cell Power			
		24.66		-63.17		-25.00			
		dBm		dBm/1.23 MHz		dBm/1.23 MHz			
Maximum Power Setup ▾								Cell Band	
								US Cellular	
Minimum Power Setup ▾								Channel	
								283	
								Protocol Rev	
								6 (IS-2000-0)	
								Radio Config	
								(Fud1, Rvs1)	
								FCH Service Option Setup ▾	
		Active Cell			Sys Type: IS-2000				
		Connected							
1 of 2				IntRef	Offset				1 of 4



Channel 777

Measurement/Instrument Screen									
Control	Maximum/Minimum Power						Call Parm		
Max/Min Power Setup ▾	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Maximum Power</p> <p>24.61</p> <p>dBm</p> </div> <div style="text-align: center;"> <p>Minimum Power</p> <p>-61.39</p> <p>dBm/1.23 MHz</p> </div> </div> <p style="text-align: right; margin-top: 10px;">Single</p>						Cell Power		
Maximum Power Setup ▾							-25.00		
Minimum Power Setup ▾							dBm/1.23 MHz		
							Cell Band		
							US Cellular		
							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			
1 of 2				IntRef	Offset				1 of 4

Appendix B

Modulation Characteristic Measurement

According to CFR 47 (FCC) part 2.1047 & 22.901



Channel 1013 (RC1/1)

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho					Call Params			
Waveform Quality Setup ▾	Rho 0.9953		Frequency Error -1.8 Hz			Cell Power -75.00 dBm/1.23 MHz			
	Time Error: 0.09 us Carrier Feedthrough: -46.99 dBc Phase Error: 2.59 ° Magnitude Error: 5.27 %		Continuous			Cell Band US Cellular			
						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			
1 of 2			IntRef	Offset	T				1 of 4



Channel 1013 (RC3/3)

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Params			
Waveform Quality Setup ▾		Rho 0.9951		Frequency Error 2.5 Hz			Cell Power			
		Time Error: 0.09 us		Carrier Feedthrough: -48.17 dBc			-101.00 dBm/1.23 MHz			
Numeric Rho		Phase Error: 3.12 °		Magnitude Error: 4.38 %			Cell Band			
		EVM: 7.01 %		Continuous			US Cellular			
Code Domain Power		Channel								
		1013								
Code Domain Power + Noise		Protocol Rev								
		6 (IS-2000-0)								
		Radio Config								
		(Fud3, Rvs3)								
		S055 (Loopback)								
		FCH Service Option Setup ▾								
		Active Cell			Sys Type: IS-2000					
		Connected								
1 of 2			IntRef	Offset	T				1 of 4	



Channel 283 (RC1/1)

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho 0.9960		Frequency Error -4.0 Hz				Cell Power -75.00 dBm/1.23 MHz		
	Time Error: 0.07 us Carrier Feedthrough: -50.16 dBc Phase Error: 2.36 ° Magnitude Error: 4.94 %		Continuous				Cell Band US Cellular		
							Channel 283		
							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 2				IntRef	Offset	T			1 of 4



Channel 777(RC1/1)

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9956		2.2 Hz				-75.00		
			Time Error: 0.09 us				dBm/1.23 MHz		
			Carrier Feedthrough: -45.68 dBc				Cell Band		
			Phase Error: 2.13 °				US Cellular		
			Magnitude Error: 5.60 %				Channel		
			Continuous				777		
							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
						(Fud1, Rvs1)			
						S02 (Loopback)			
						FCH Service Option Setup ▾			
		Active Cell			Sys Type: IS-2000				
		Connected							
1 of 2			IntRef	Offset	T			1 of 4	



Channel 777(RC3/3)

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho 0.9943		Frequency Error 1.6 Hz				Cell Power -101.00		
Numeric Rho							dBm/1.23 MHz		
Code Domain Power			Continuous				Cell Band US Cellular		
Code Domain Power + Noise							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			
1 of 2			IntRef	Offset	T				1 of 4

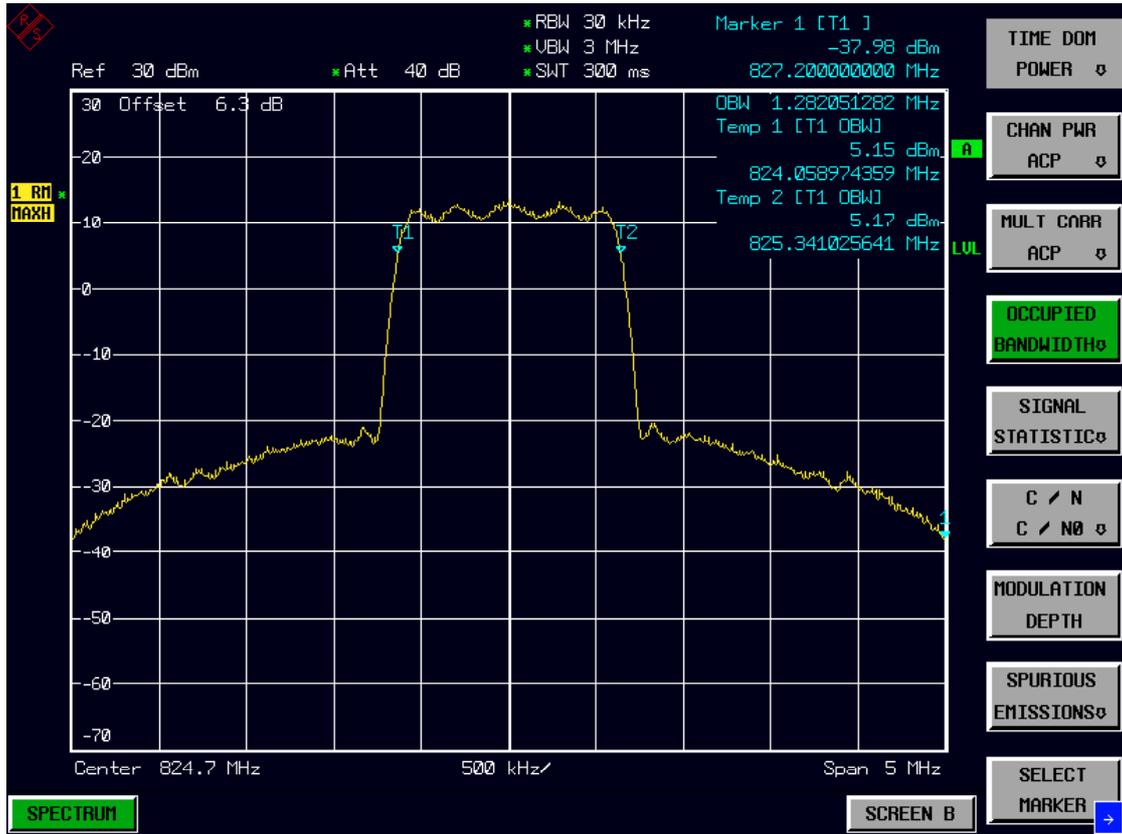


Appendix C

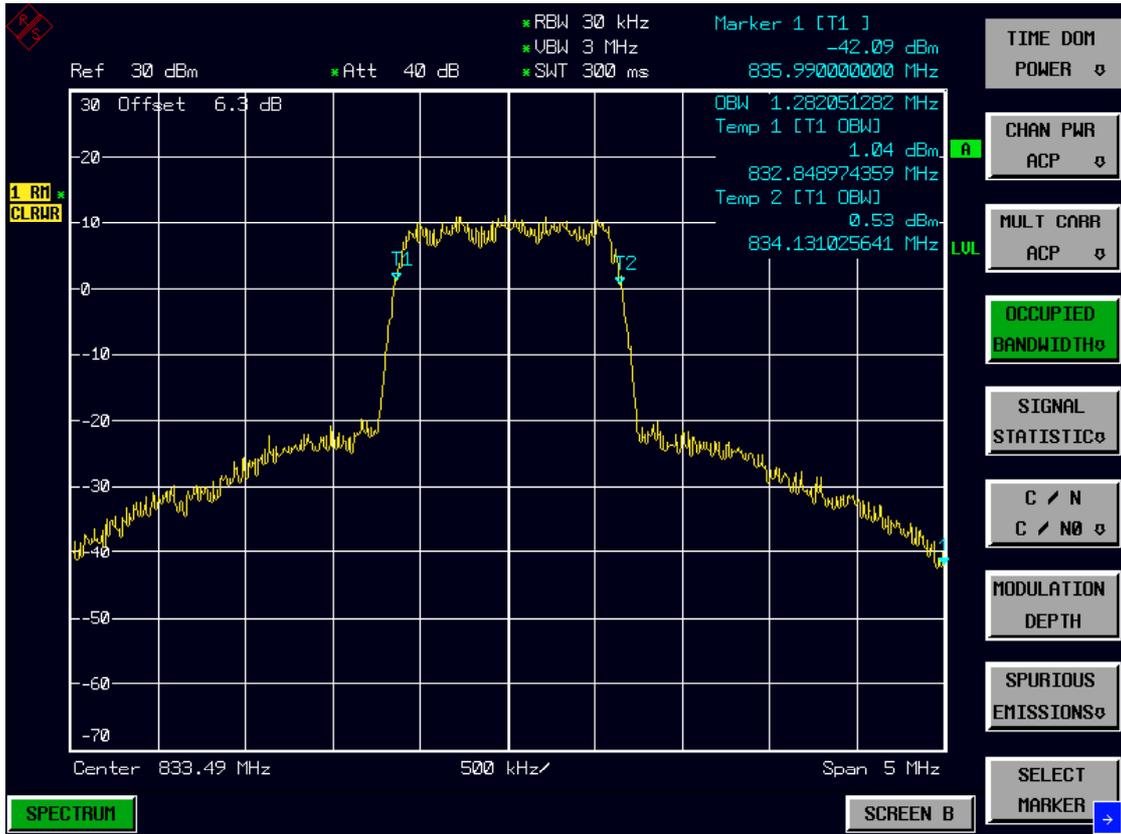
Occupied Bandwidth Measurement

According to CFR 47 (FCC) part 2.1049

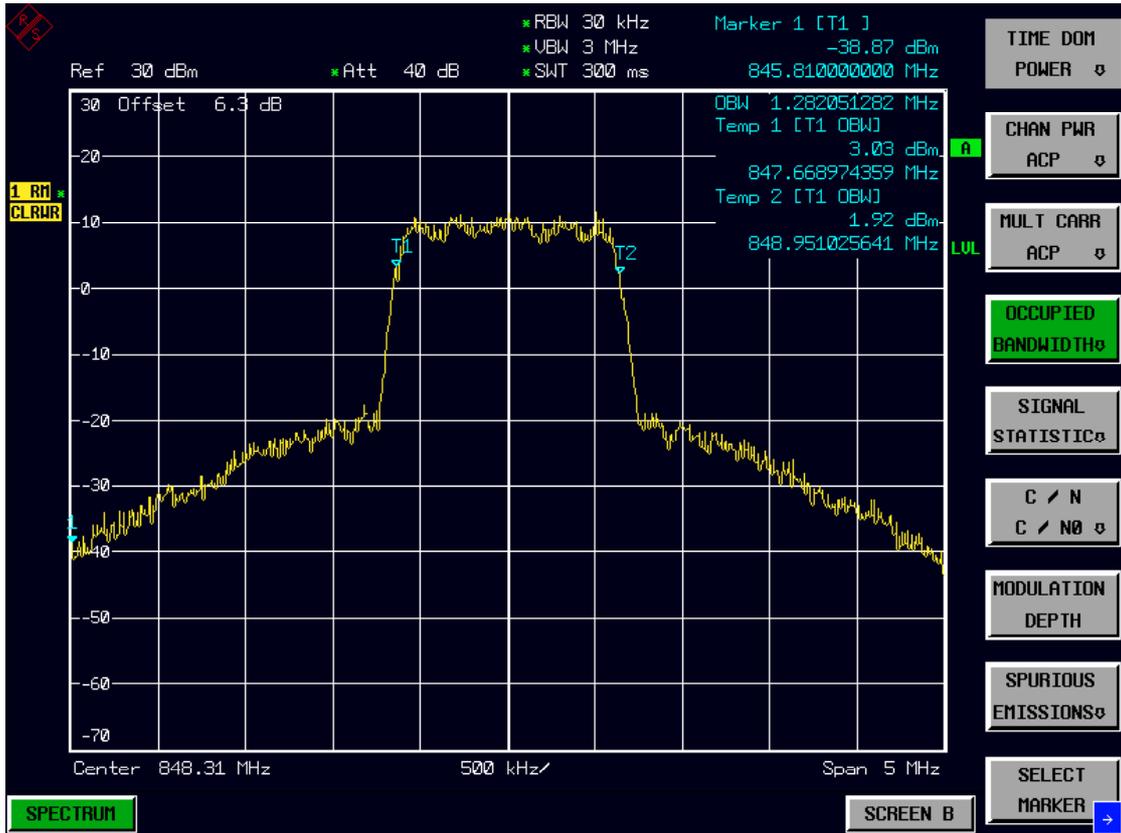
Channel 1013



Channel 283



Channel 777





Appendix D

Spurious Emission at Antenna Terminal

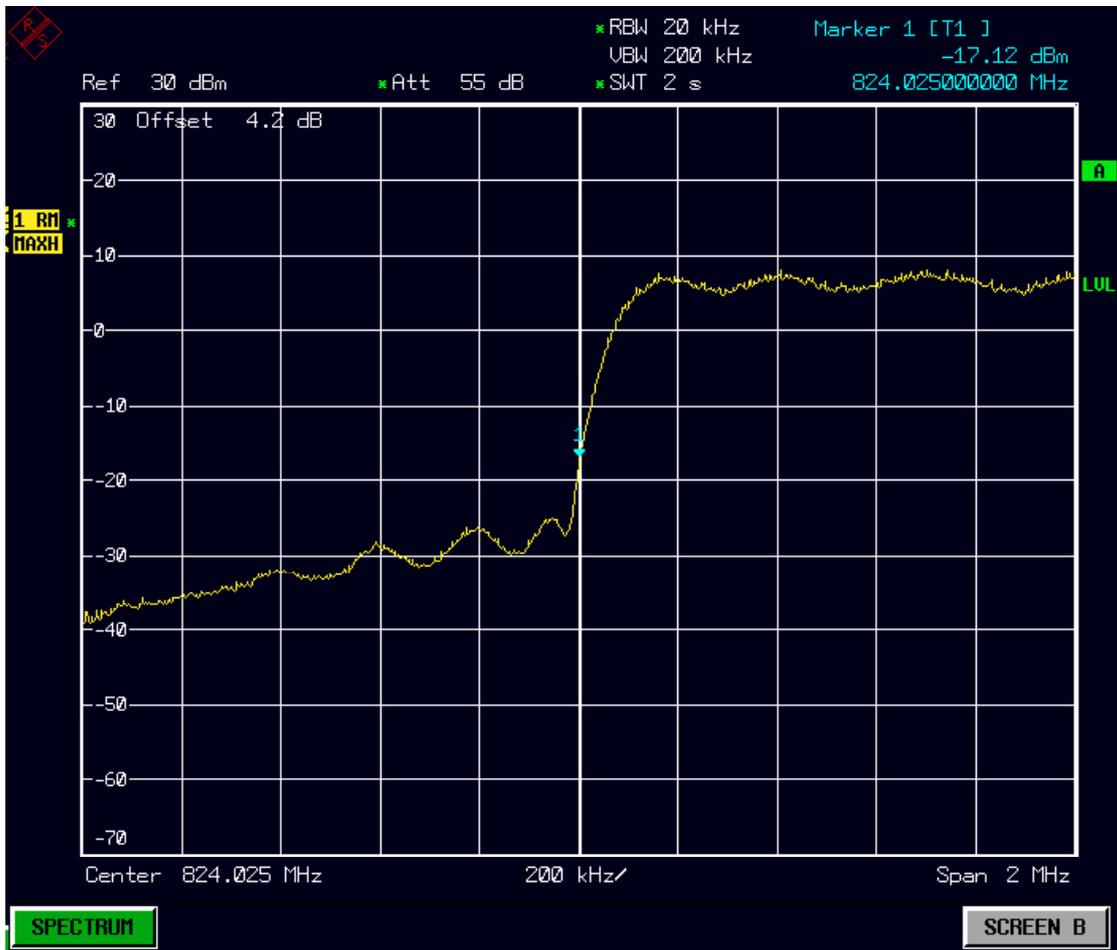
According to CFR 47 (FCC) part 2.1051 & 22.917(e)

1 Measurement Results at Block Edges

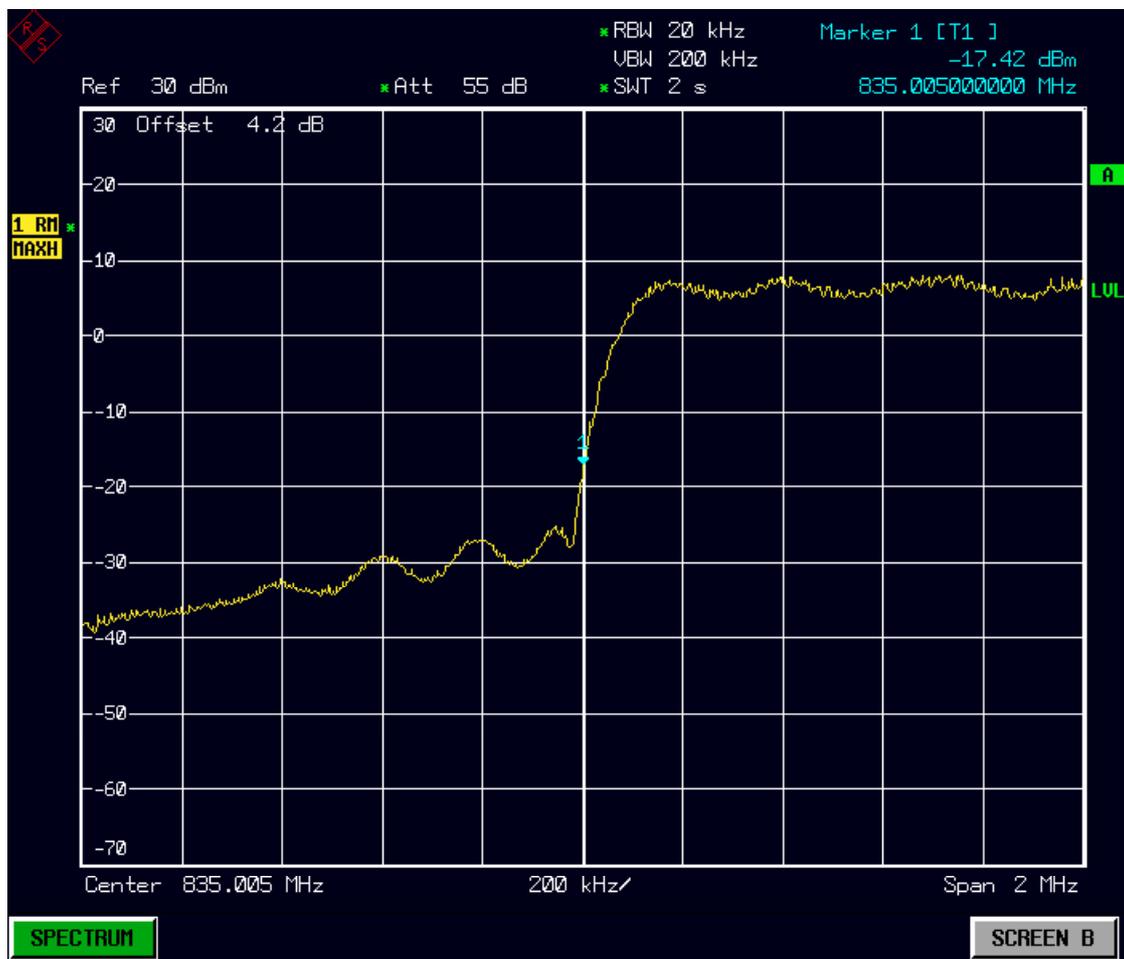
1.1 Band Subclass 0

1.1.1 RC1

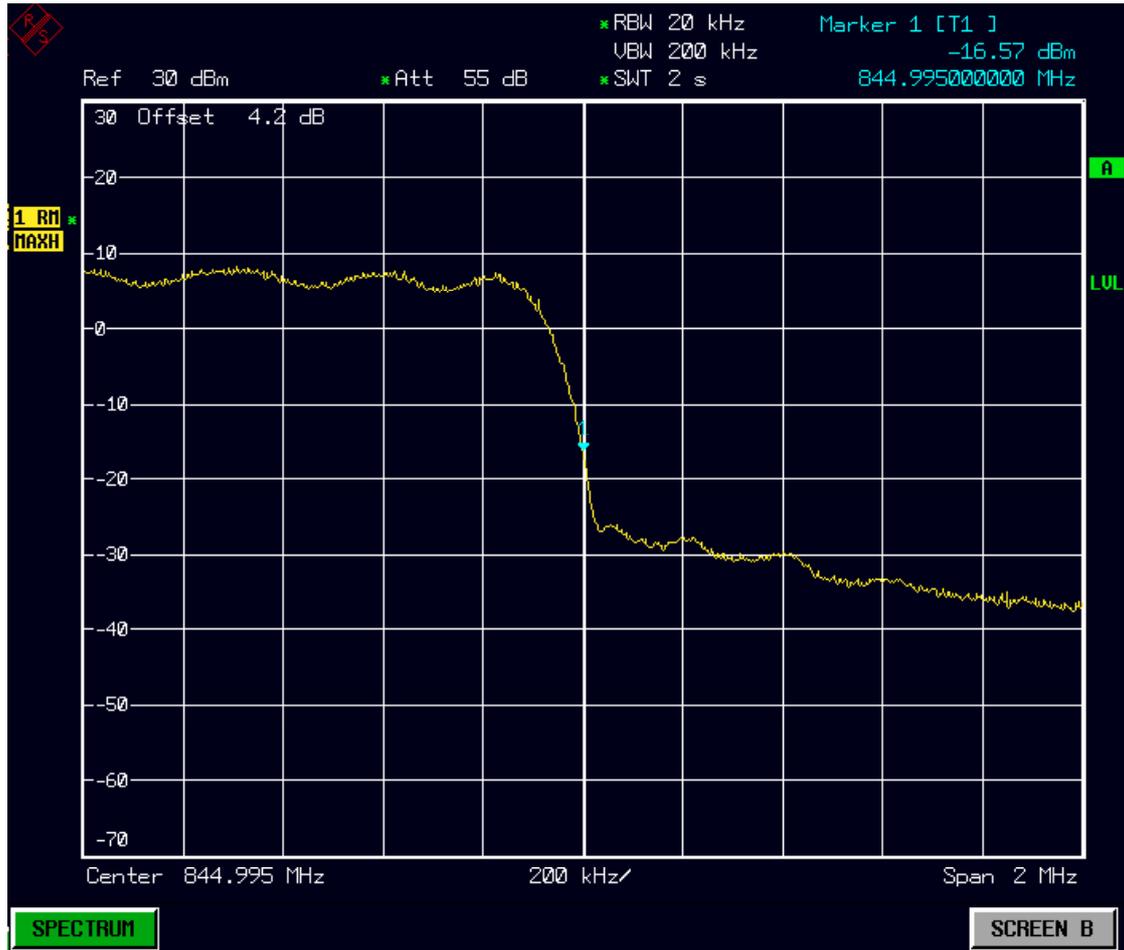
Block A” and A, Left Edge (824.025MHz)
Channel 1013



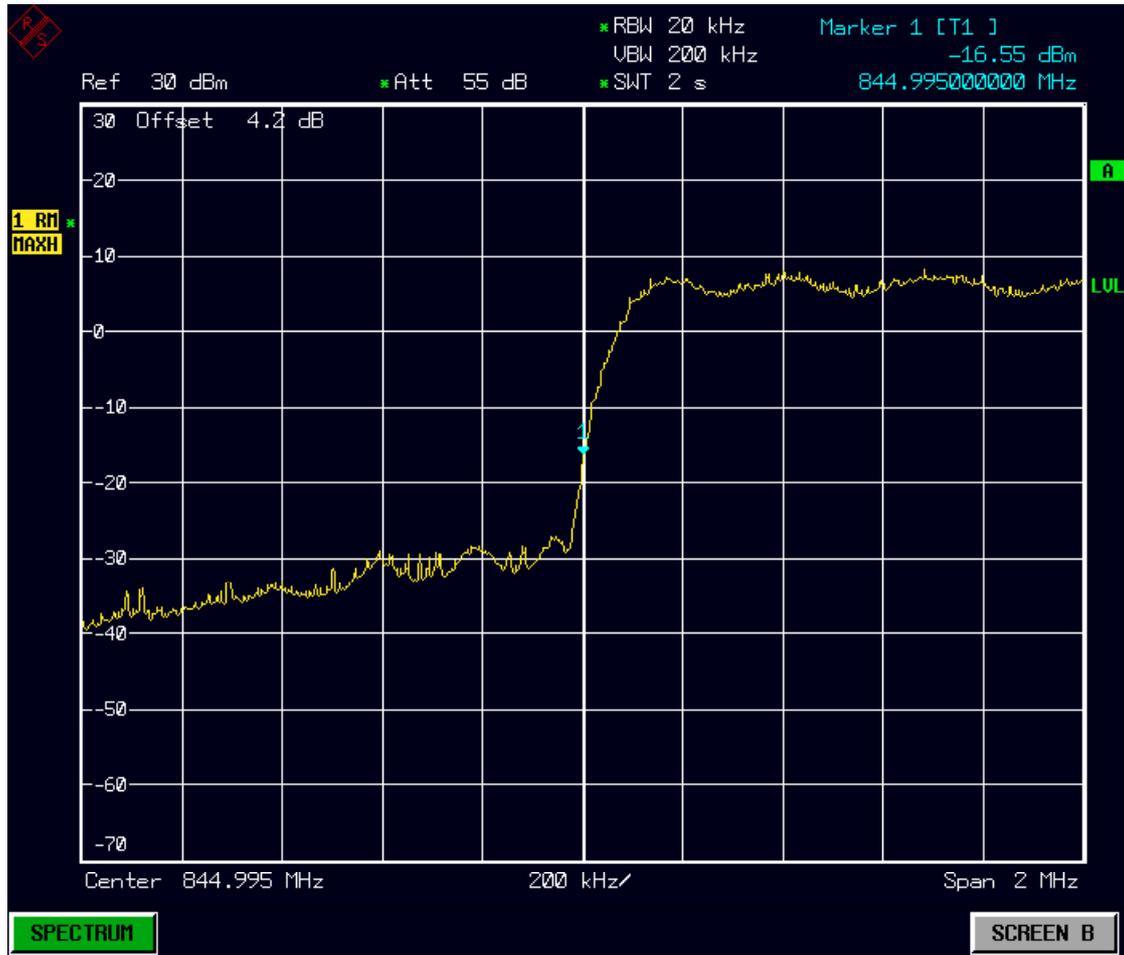
Block B, Left Edge (835.005MHz)
Channel 356



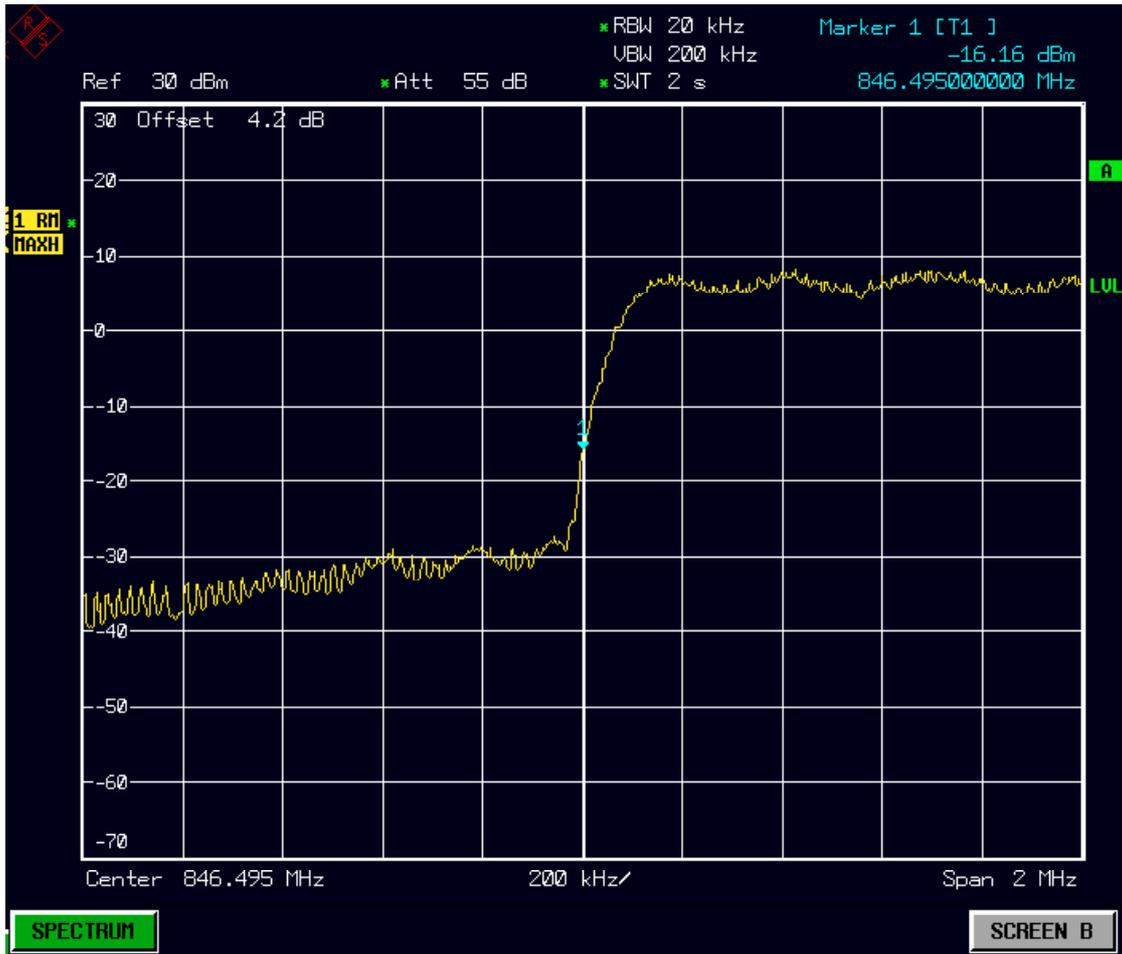
Block B, Right Edge (844.995MHz)
Channel 644



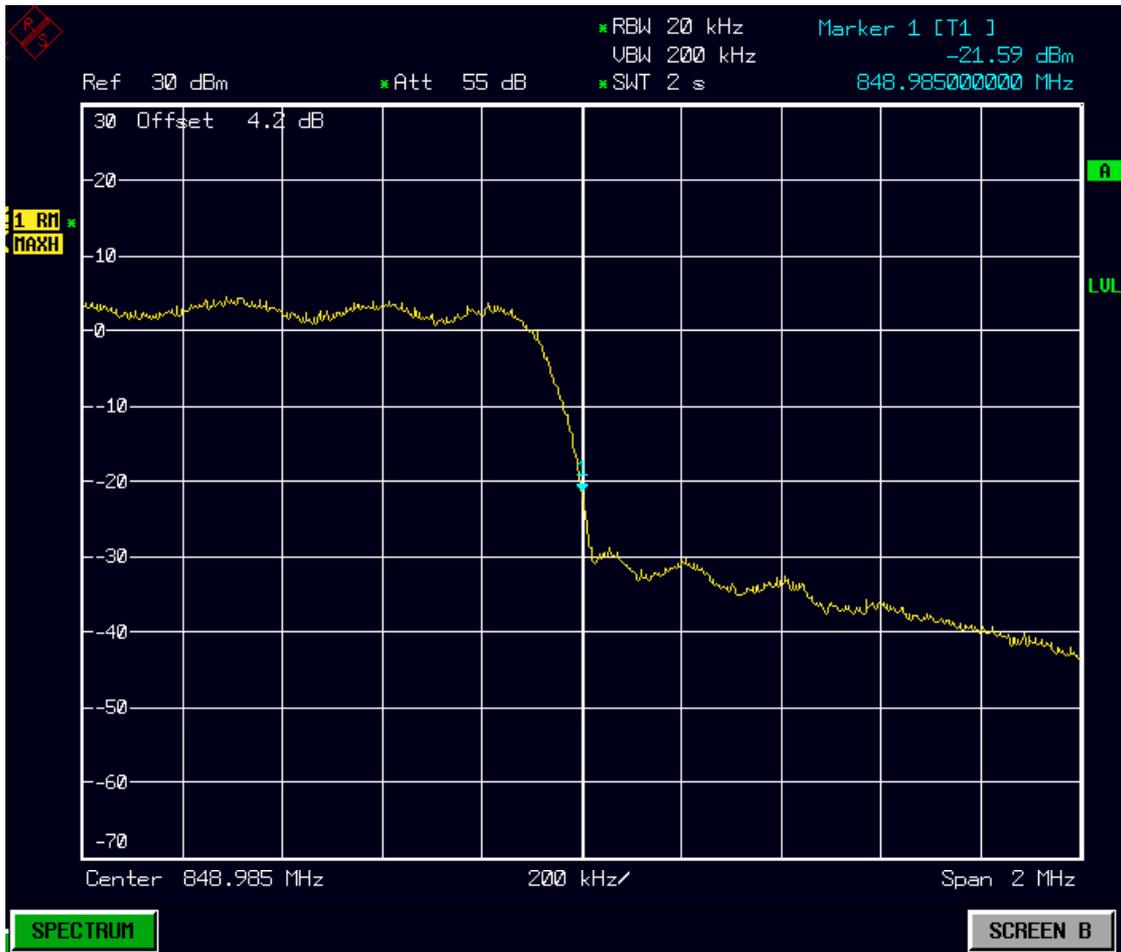
Block A', Left Edge (844.995MHz)
Channel 689



Block B', Left Edge (846.495MHz)
Channel 739

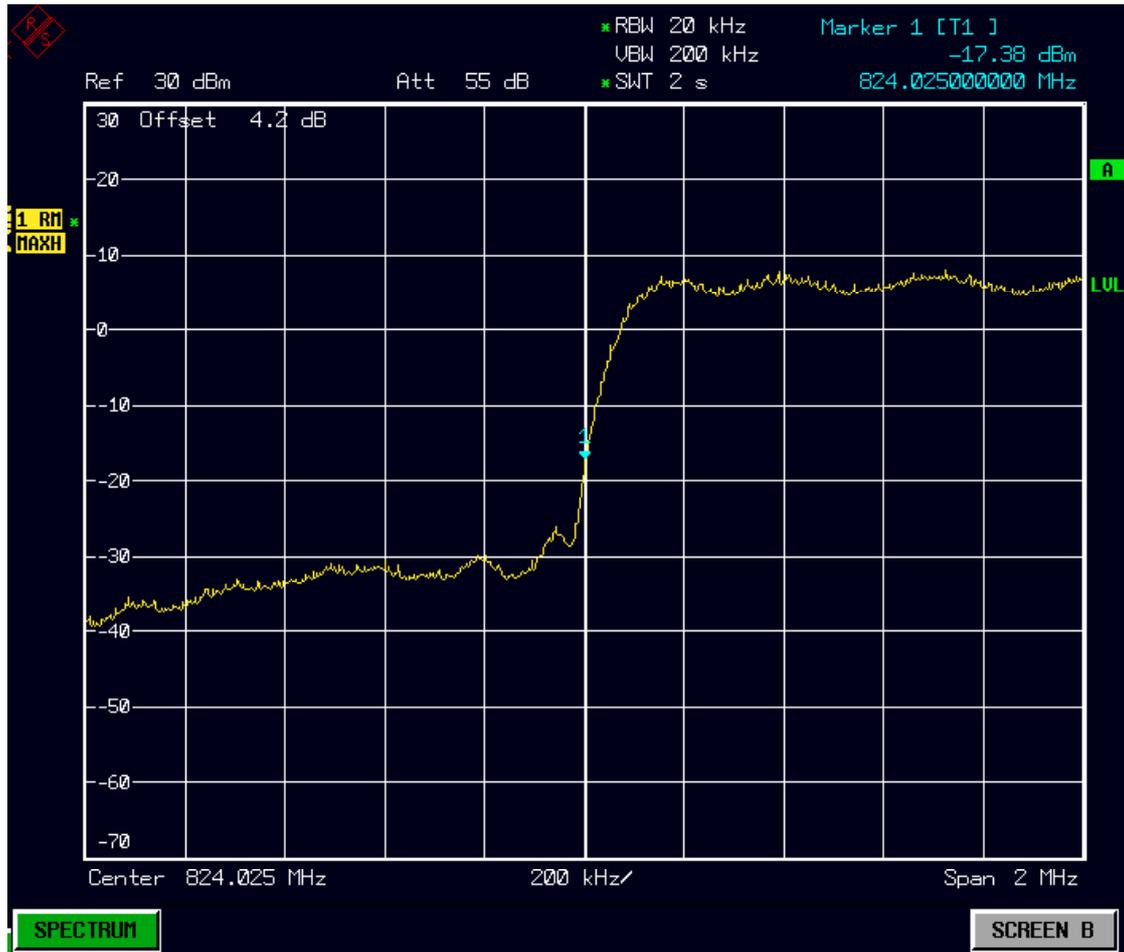


Block B', Right Edge (848.985MHz)
Channel 777



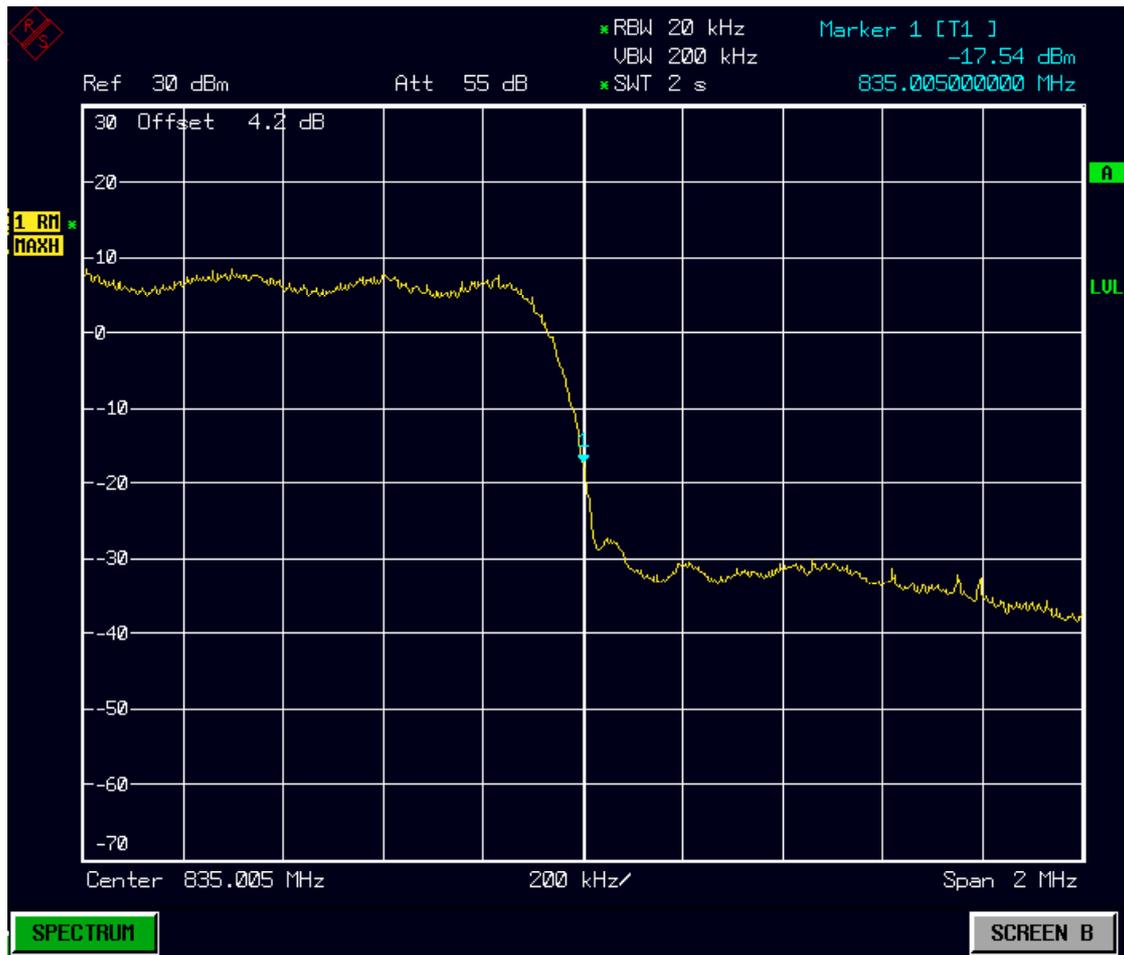
1.1.2 RC3

Block A" and A, Left Edge (824.025MHz)
Channel 1013

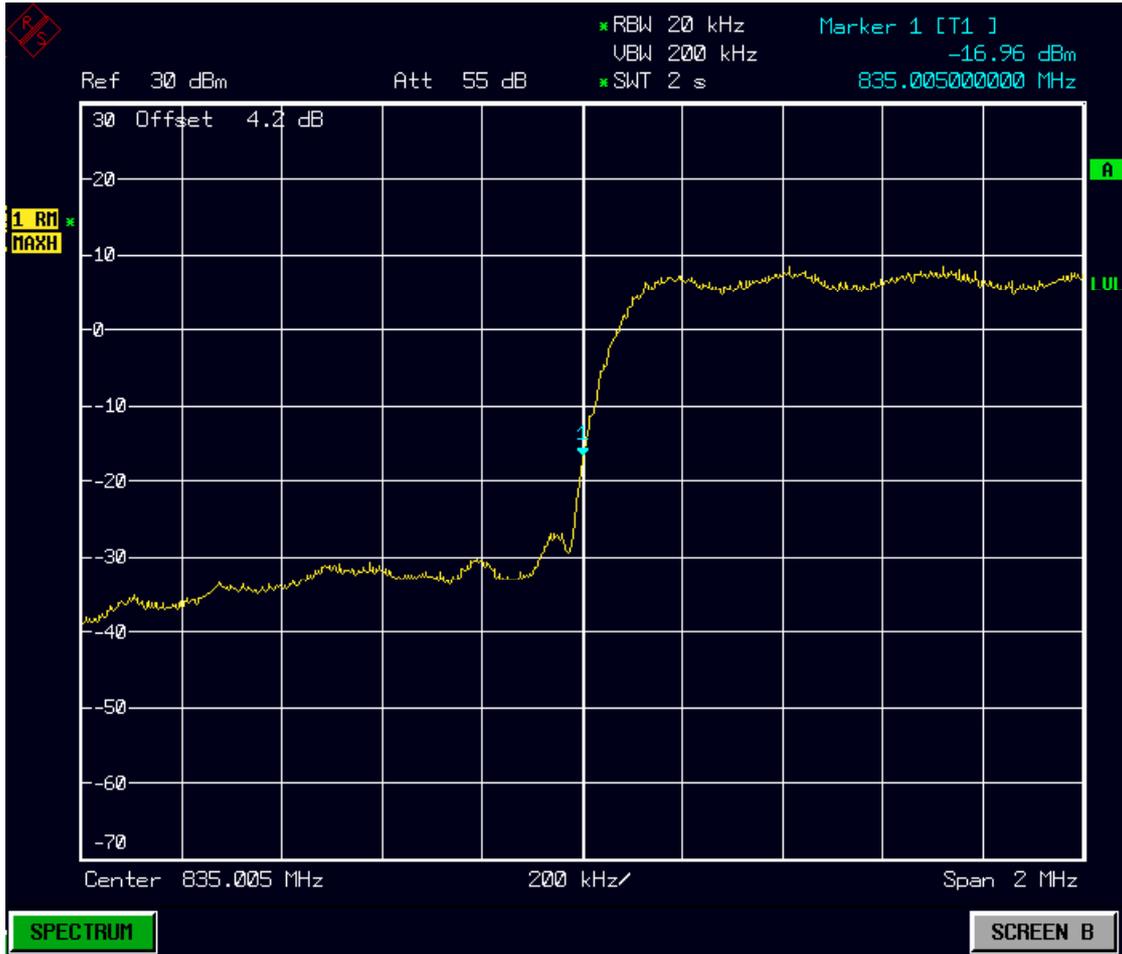


Block A" and A, right Edge (835.005MHz)

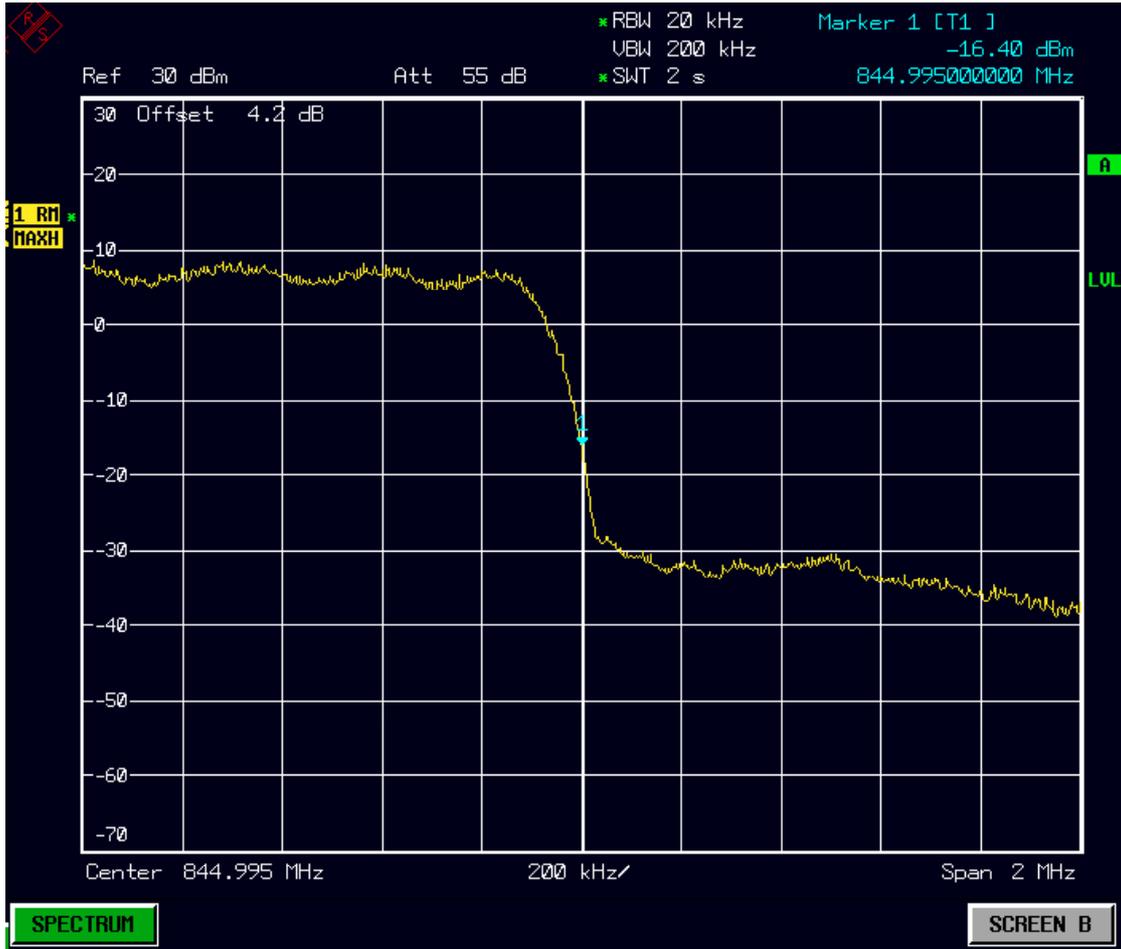
Channel 311



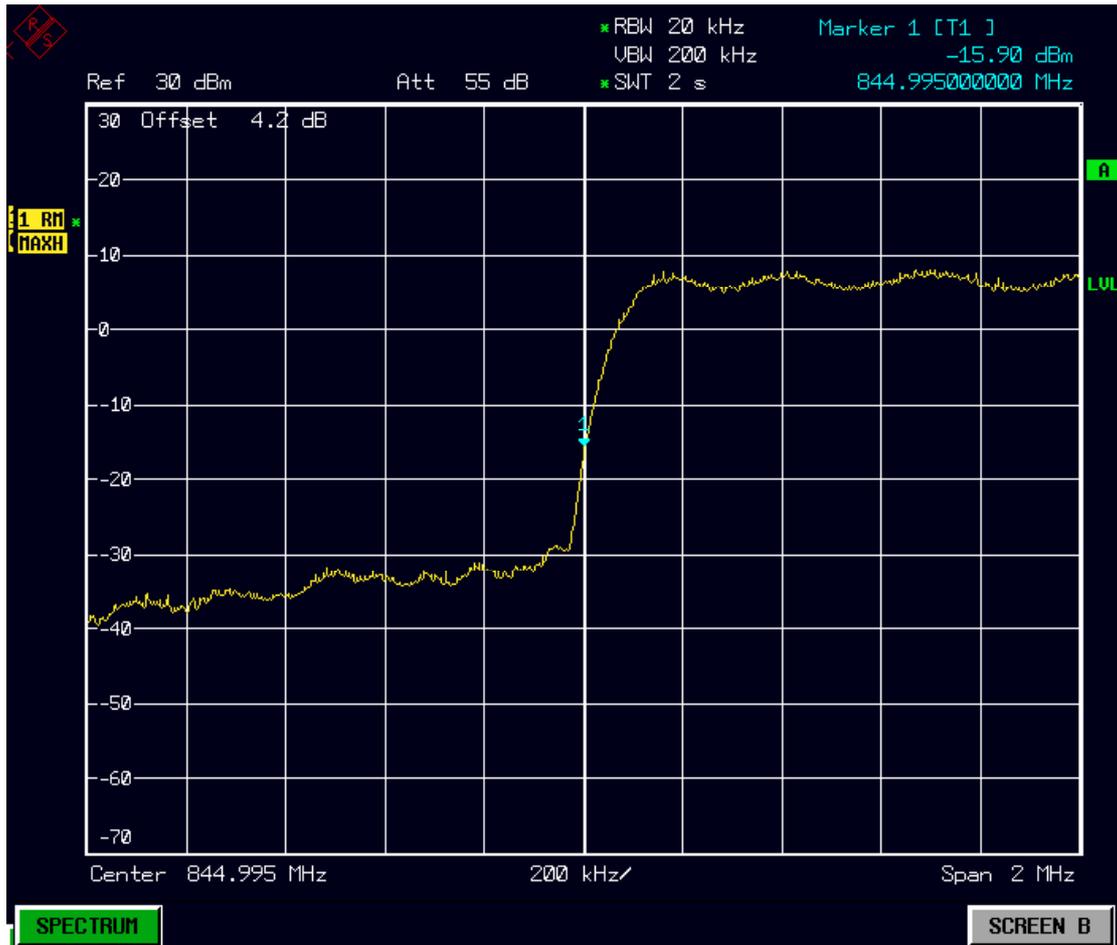
Block B, Left Edge (835.005MHz)
Channel 356



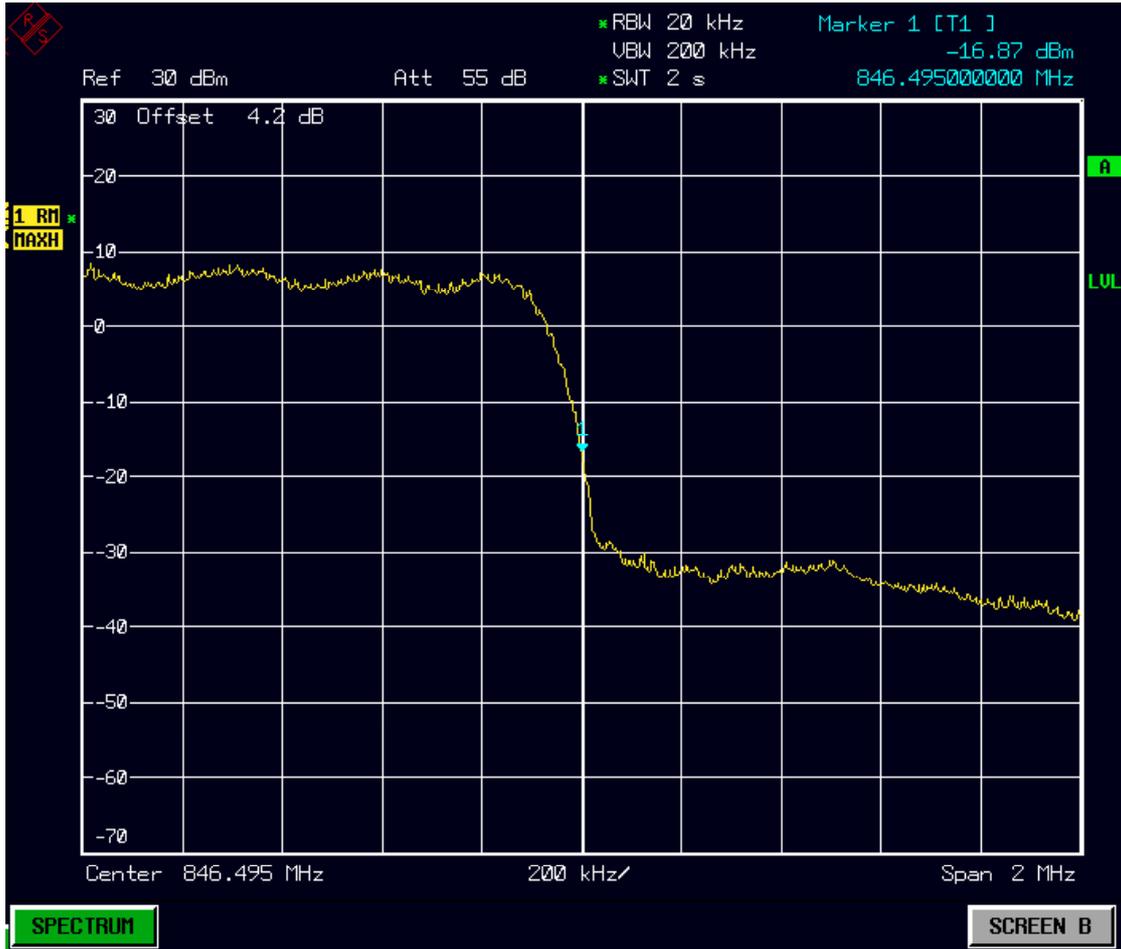
Block B, Right Edge (844.995MHz)
Channel 644



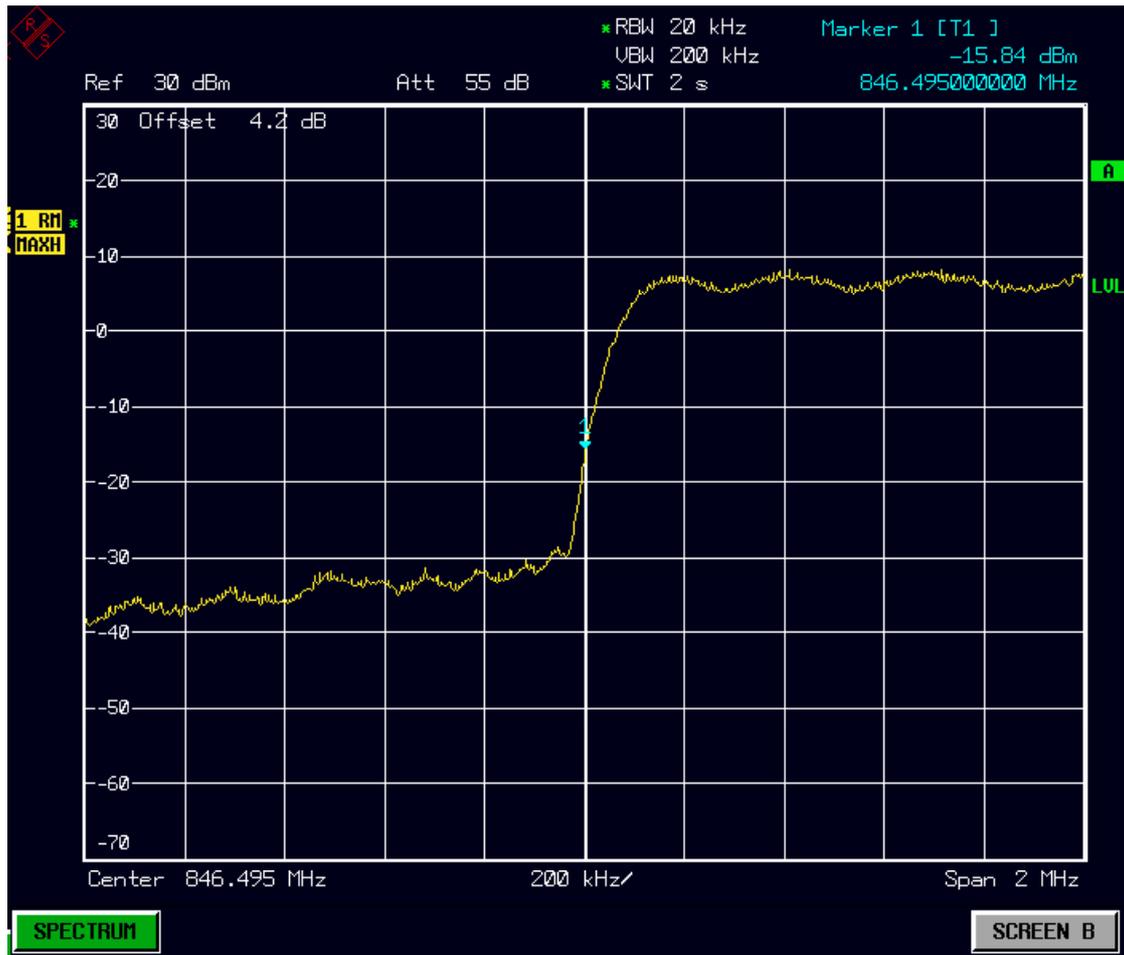
Block A', Left Edge (844.995MHz)
Channel 689



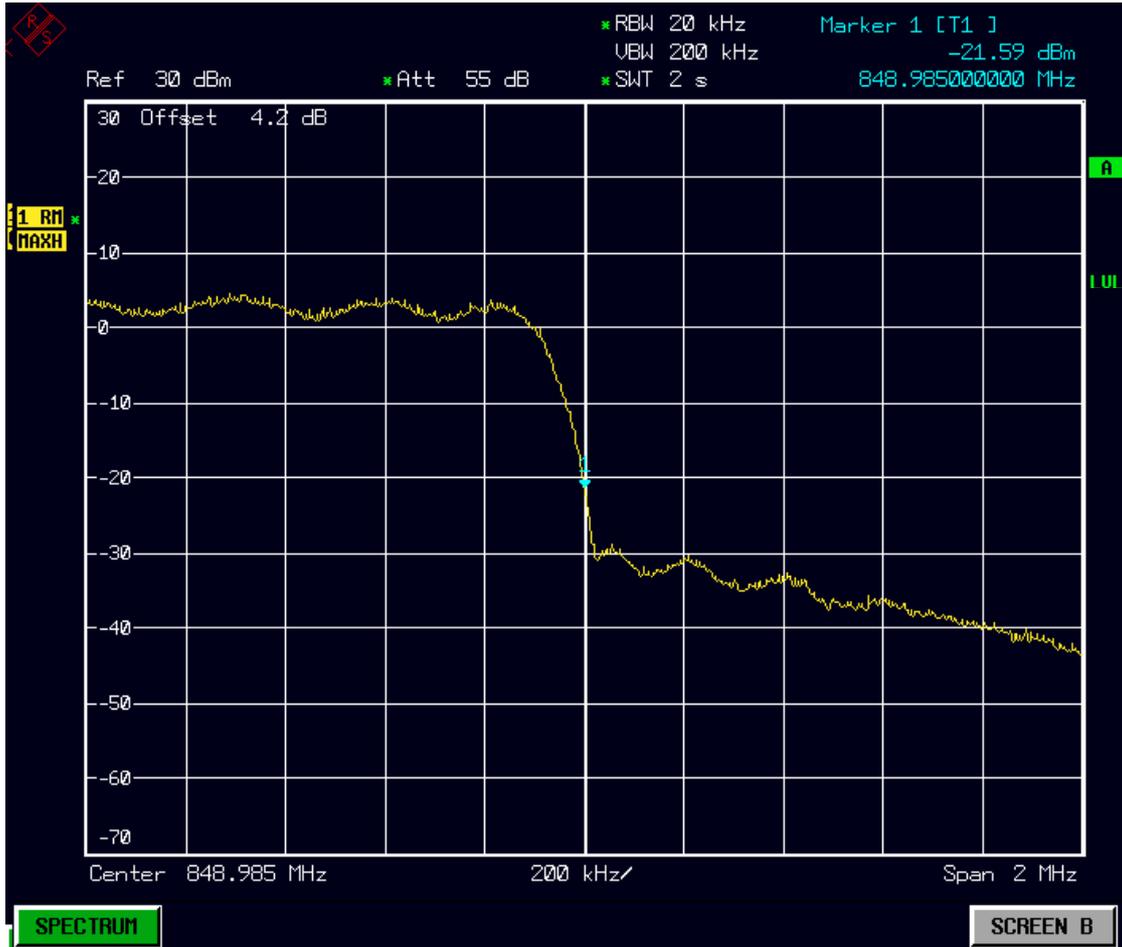
Block A', Right Edge (846.495MHz)
Channel 694



Block B', Left Edge (846.495MHz)
Channel 739



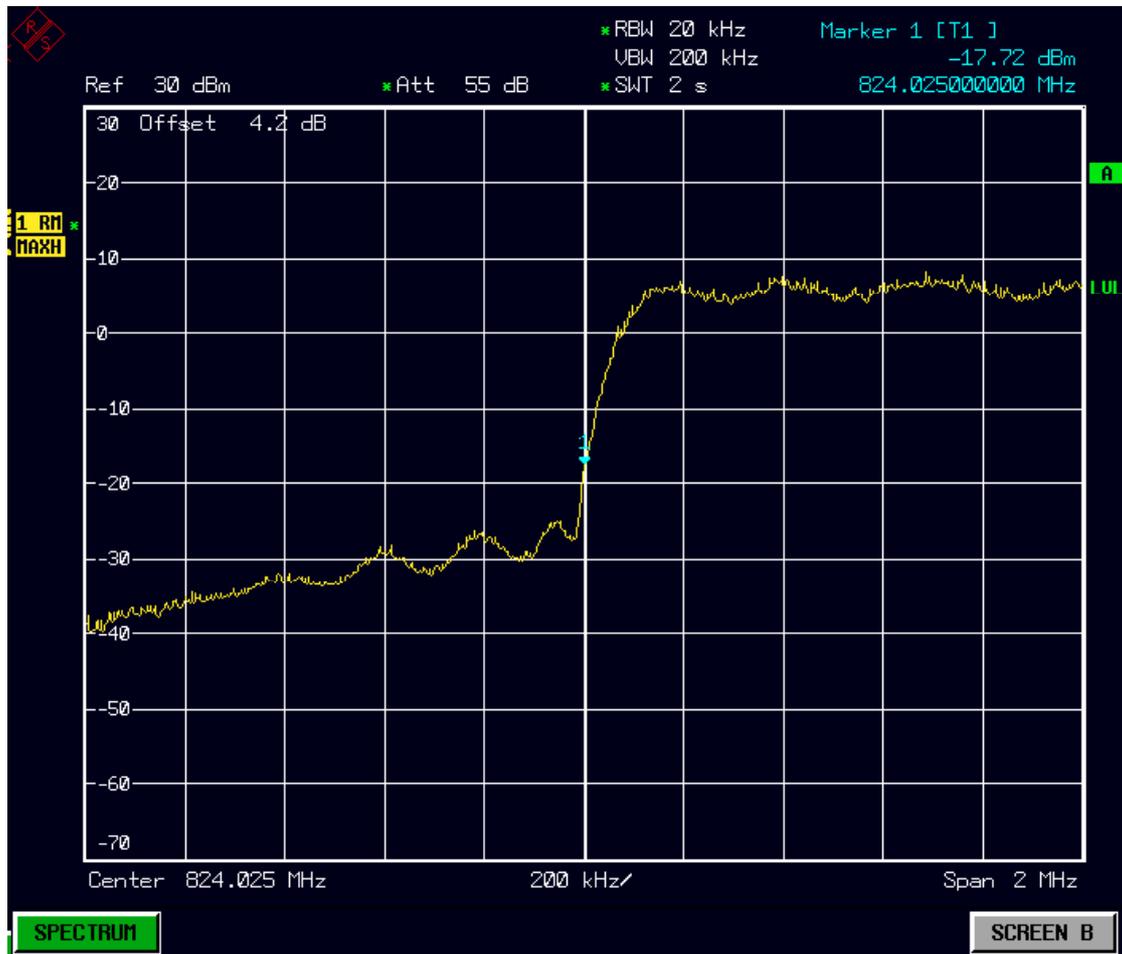
Block B', Right Edge (848.985MHz)
Channel 777



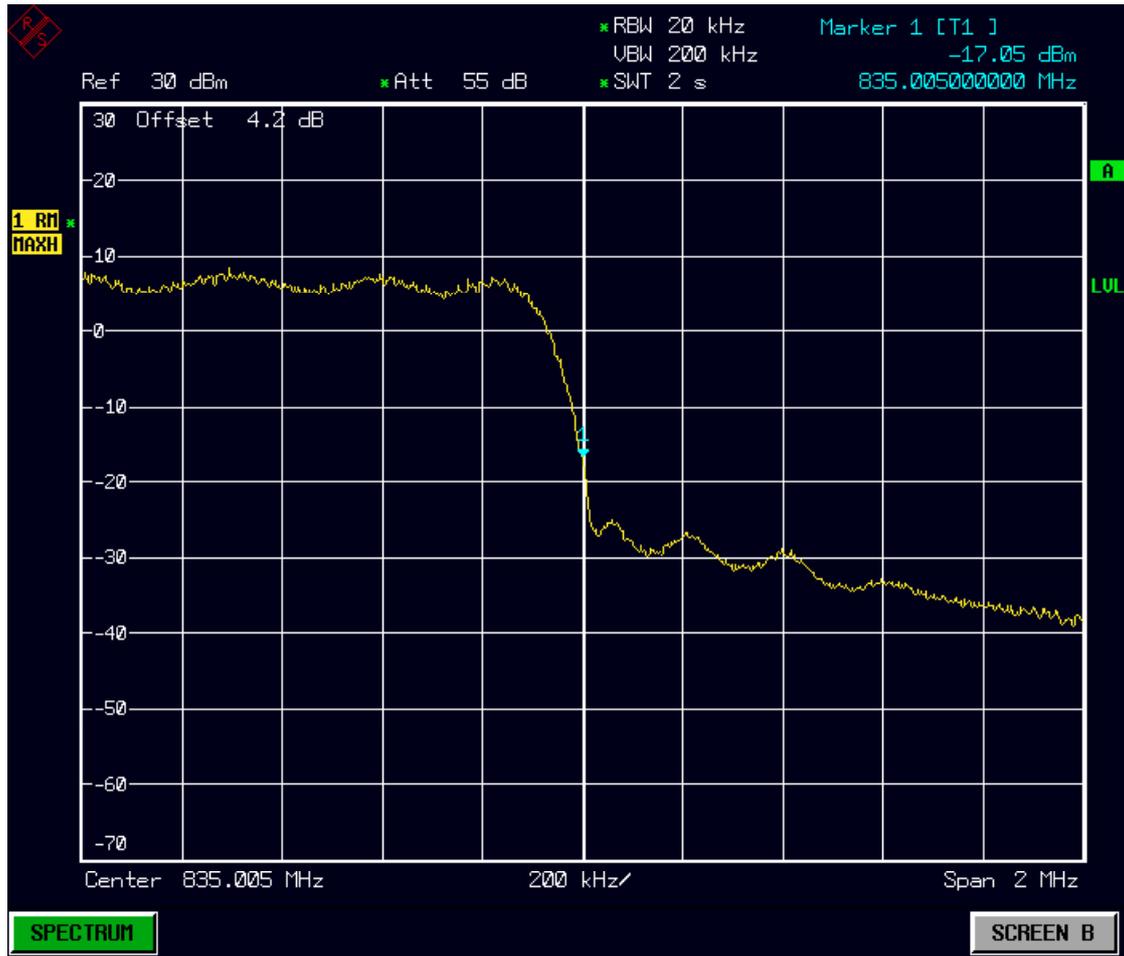
1.2 Band Subclass 1

1.2.1 RC1

Block A" and A, Left Edge (824.025MHz) Channel 1013

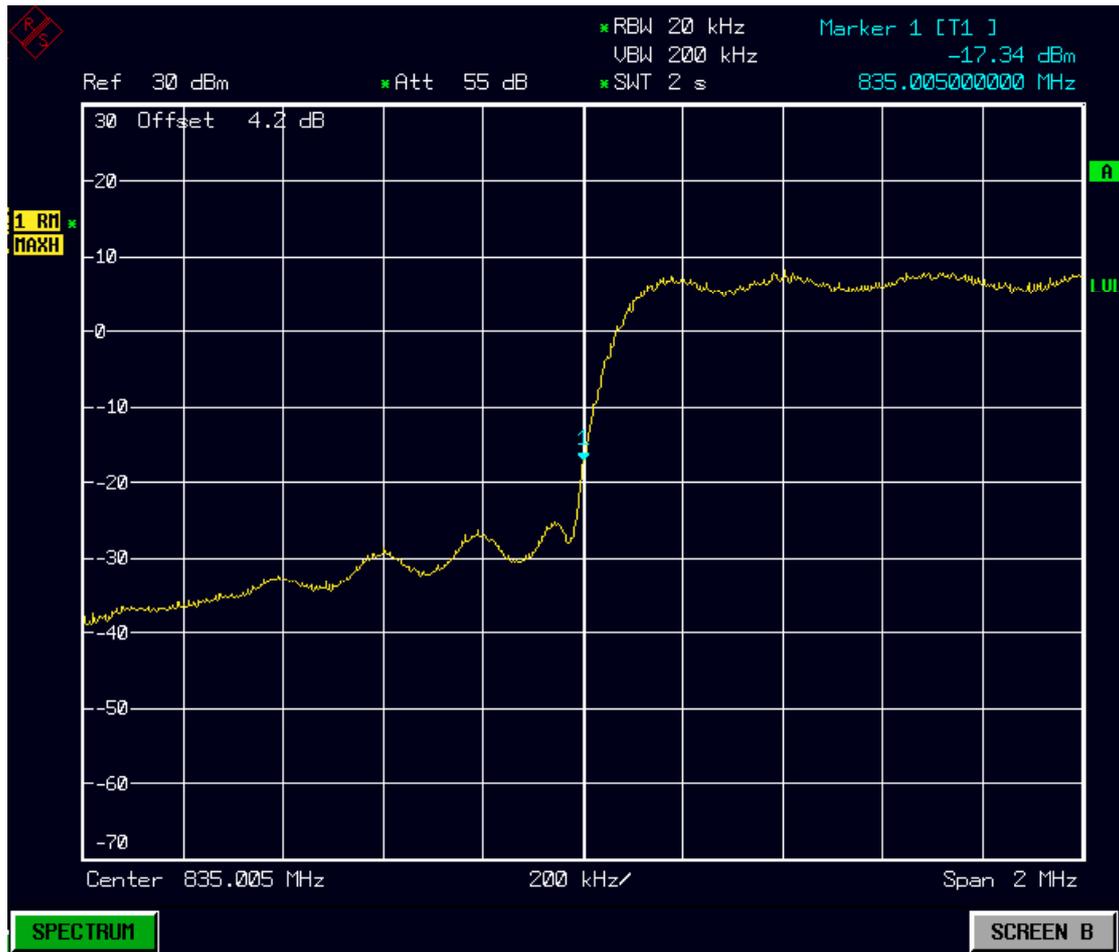


Block A" and A, right Edge (835.005MHz)
Channel 311



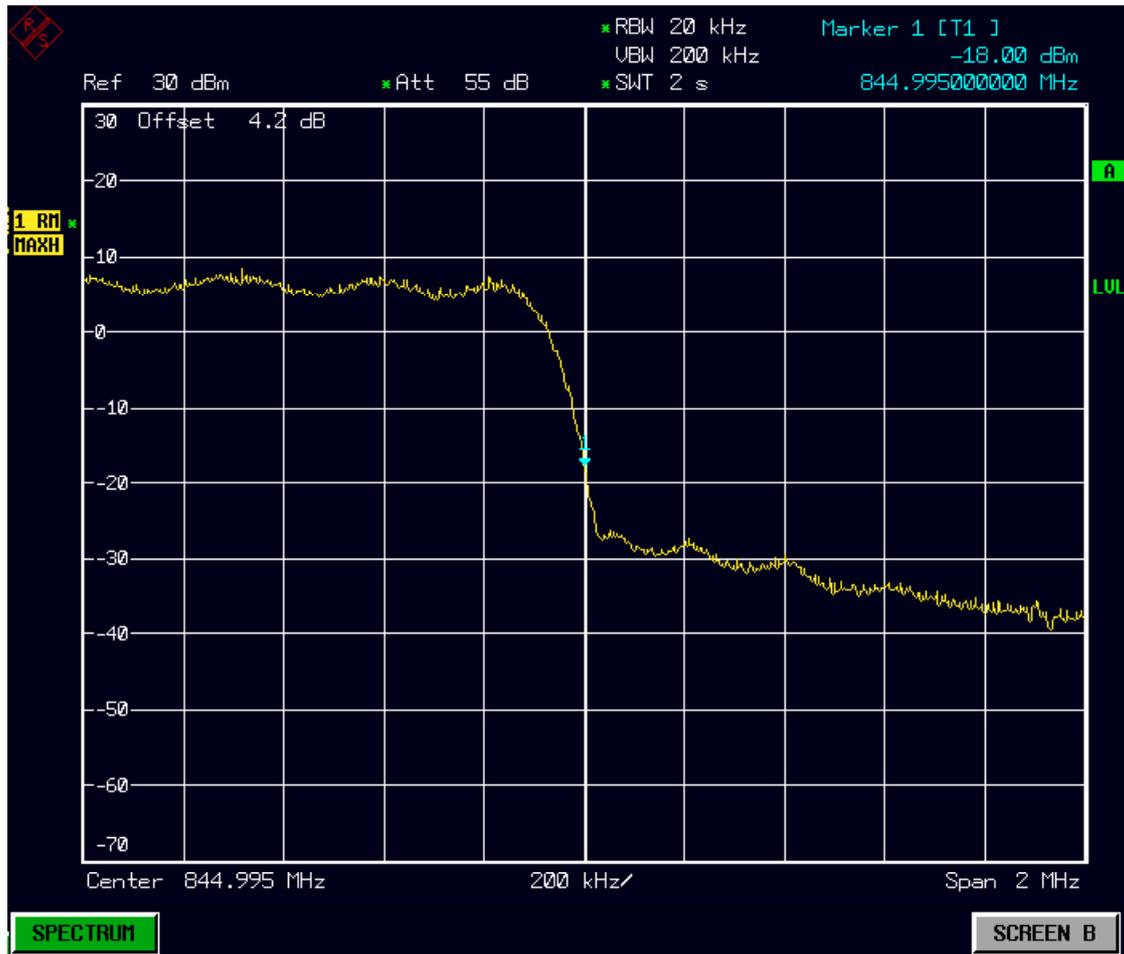


Block B, Left Edge (835.005MHz)
Channel 356

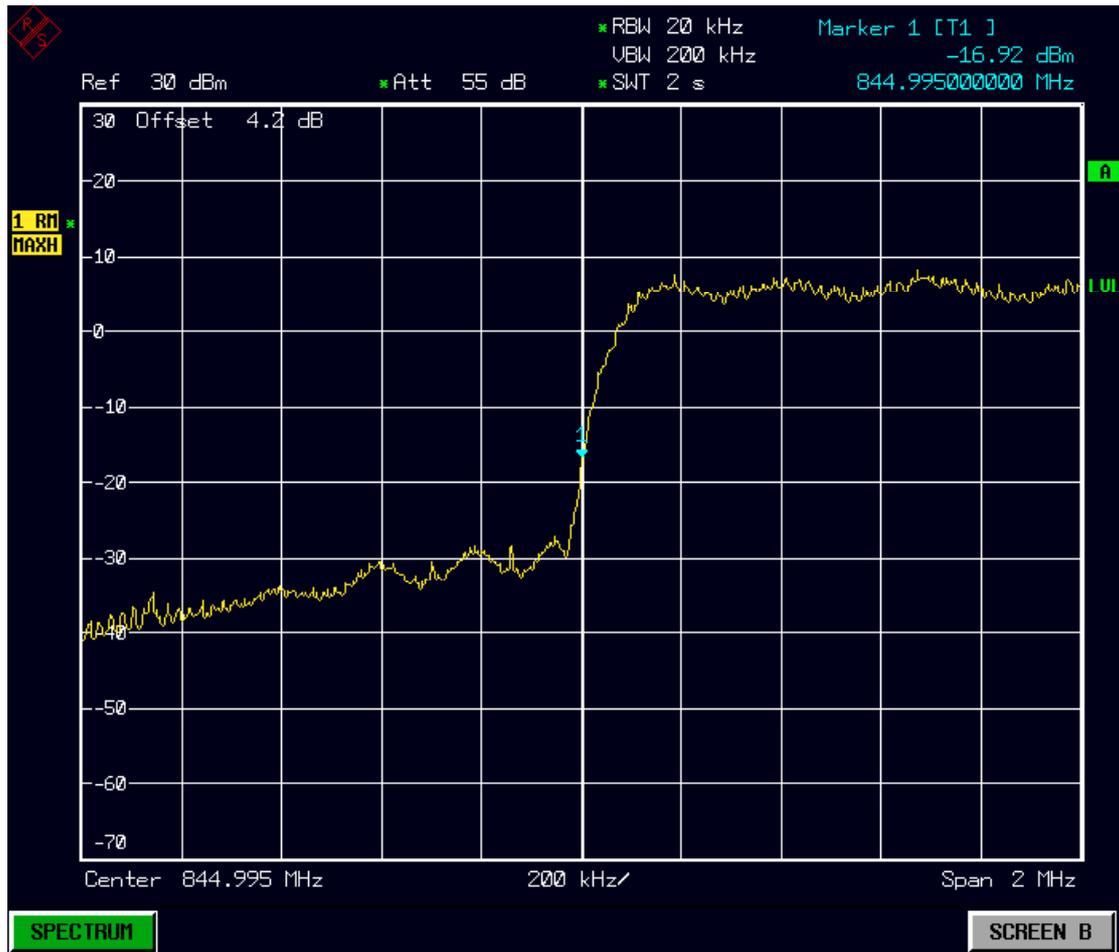




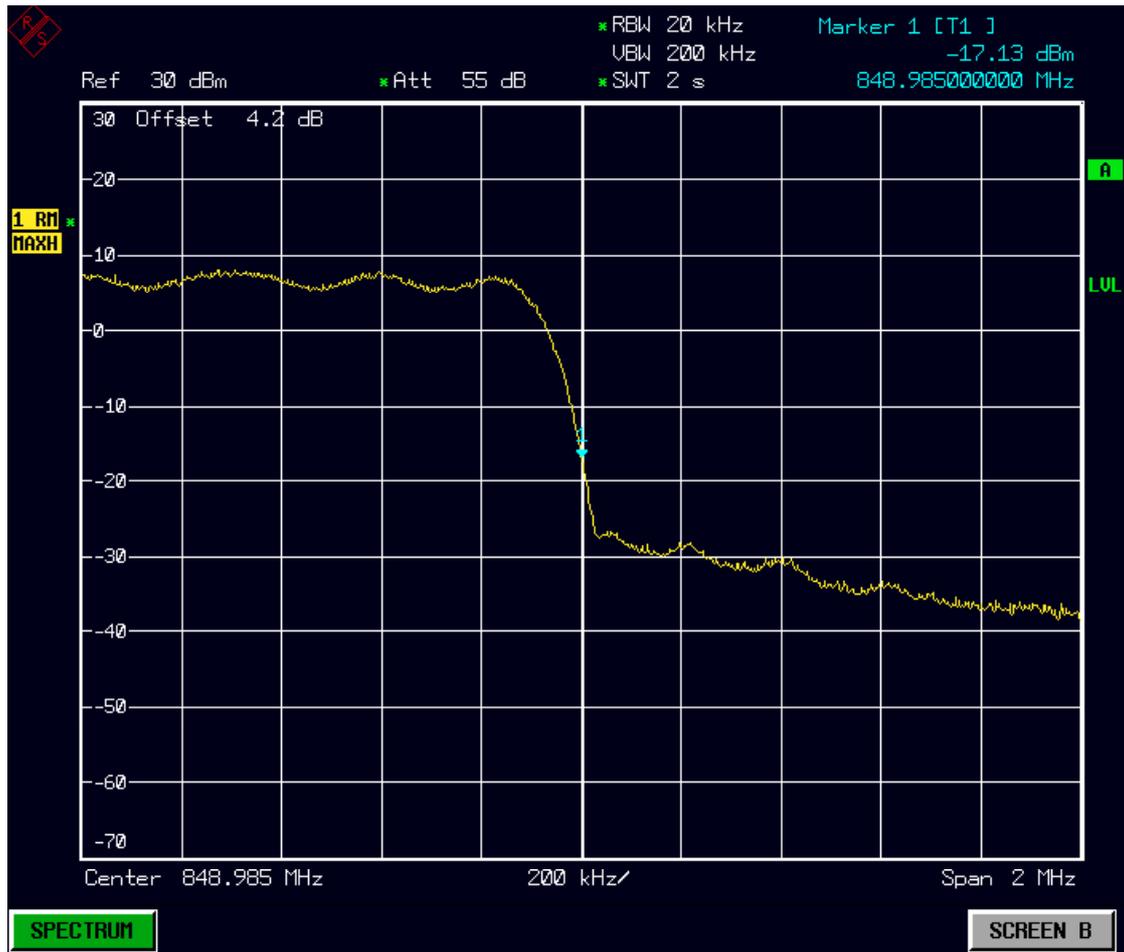
Block B, Right Edge (844.995MHz)
Channel 644



Block A' and A''', Left Edge (844.995MHz)
Channel 689

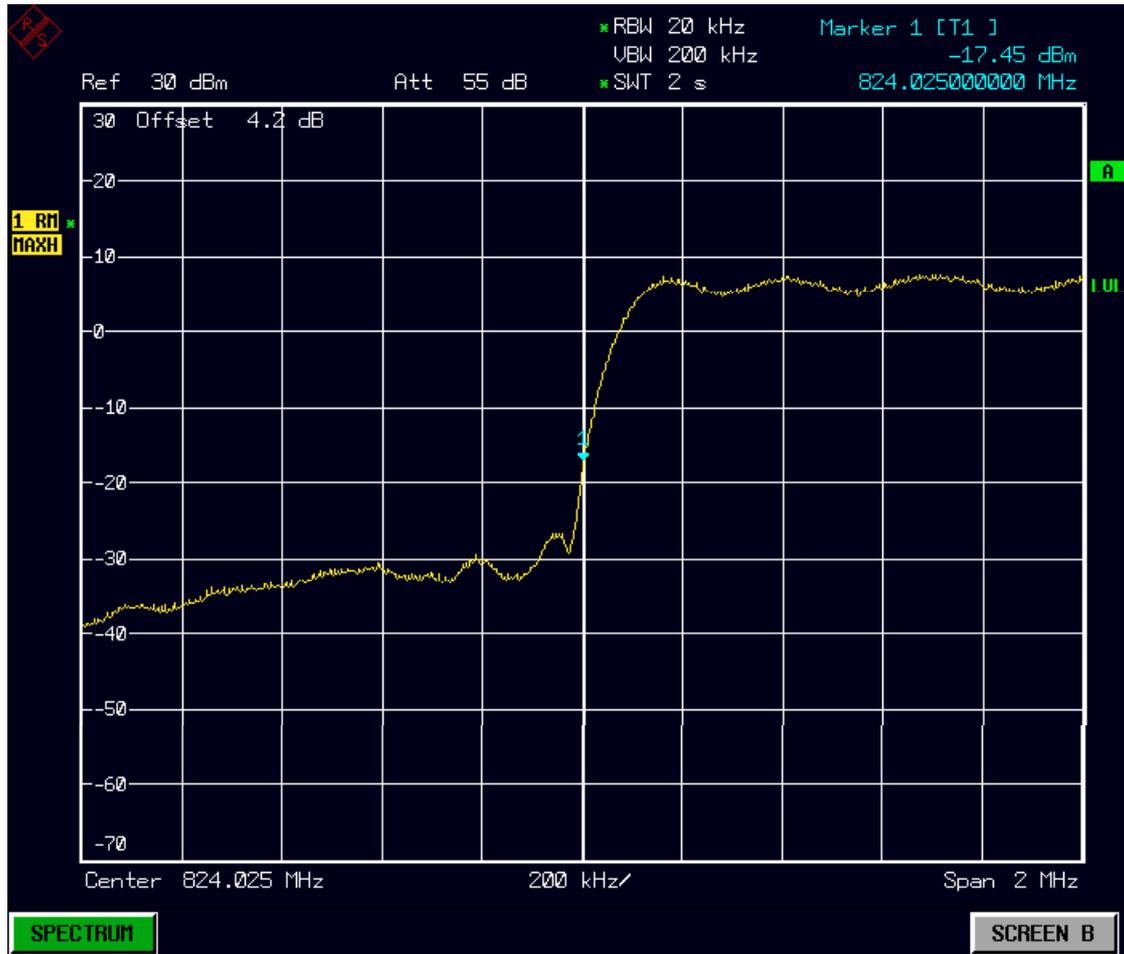


Block A' and A''', Right Edge (848.985MHz)
Channel 779

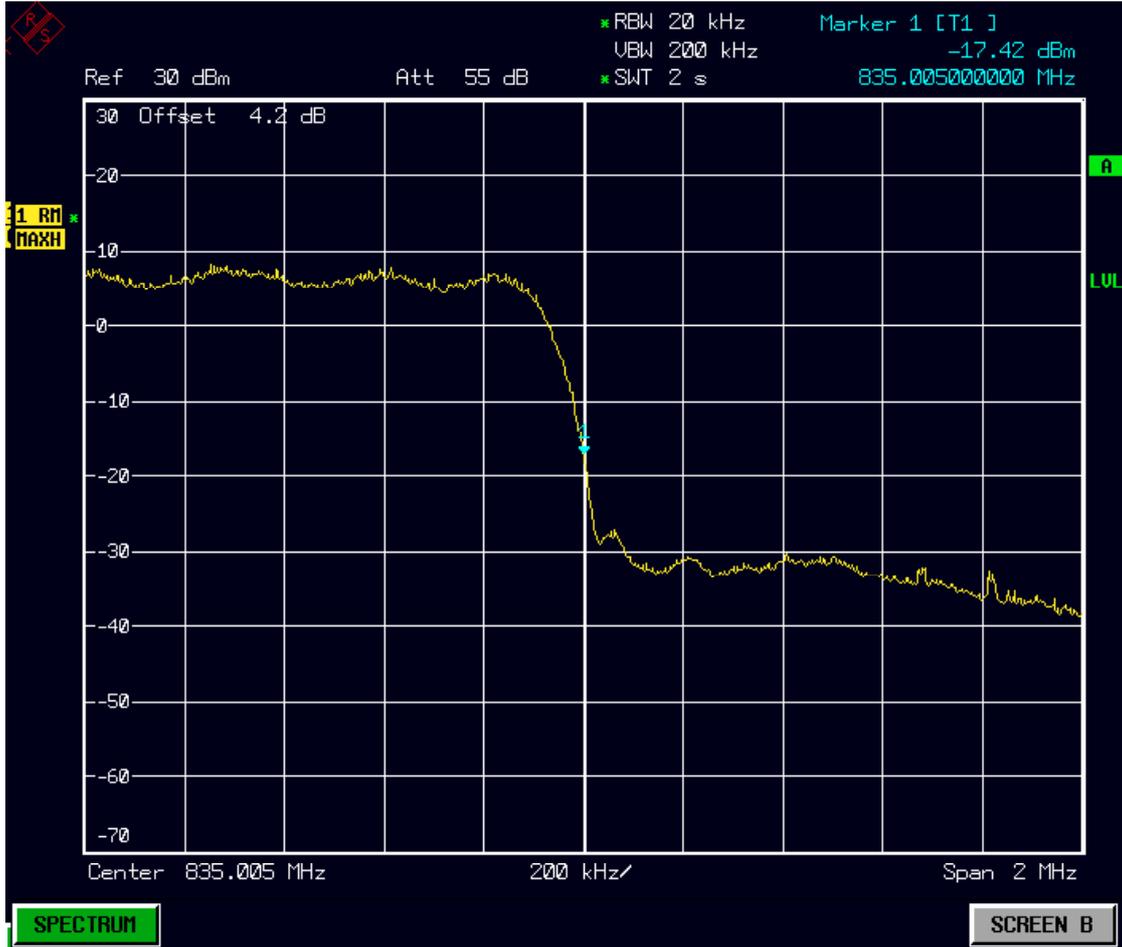


1.2.2 RC3

Block A” and A, Left Edge (824.025MHz)
Channel 1013

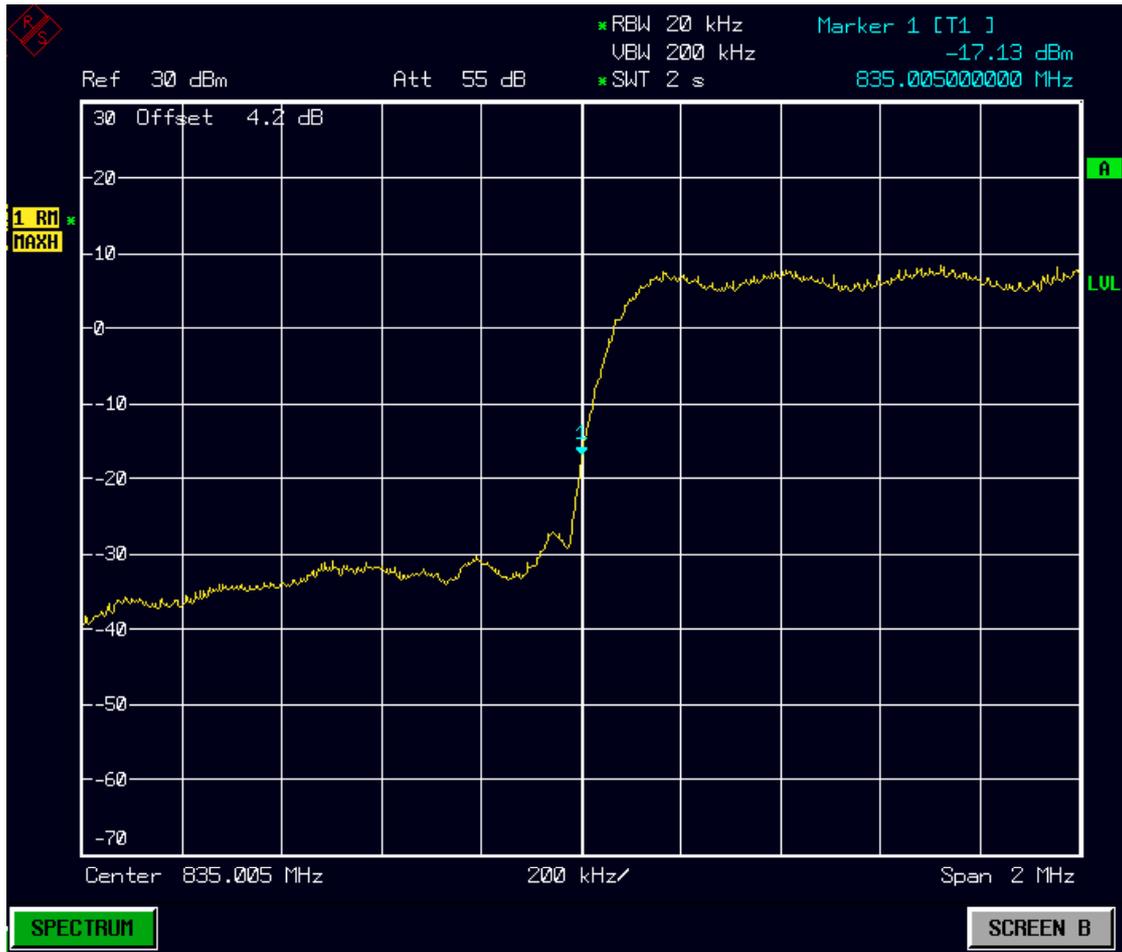


Block A" and A, right Edge (834.33MHz)
Channel 311



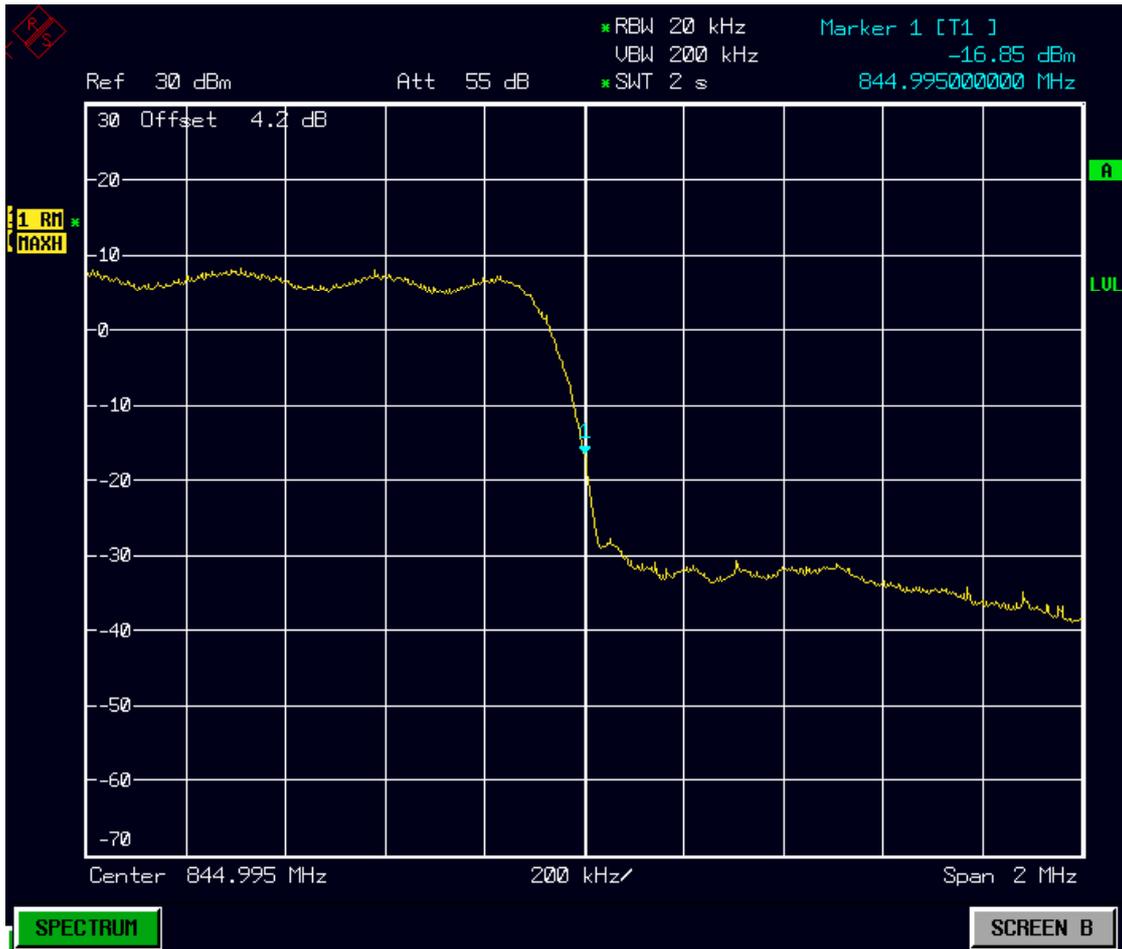
Block B, Left Edge (835.005MHz)

Channel 356



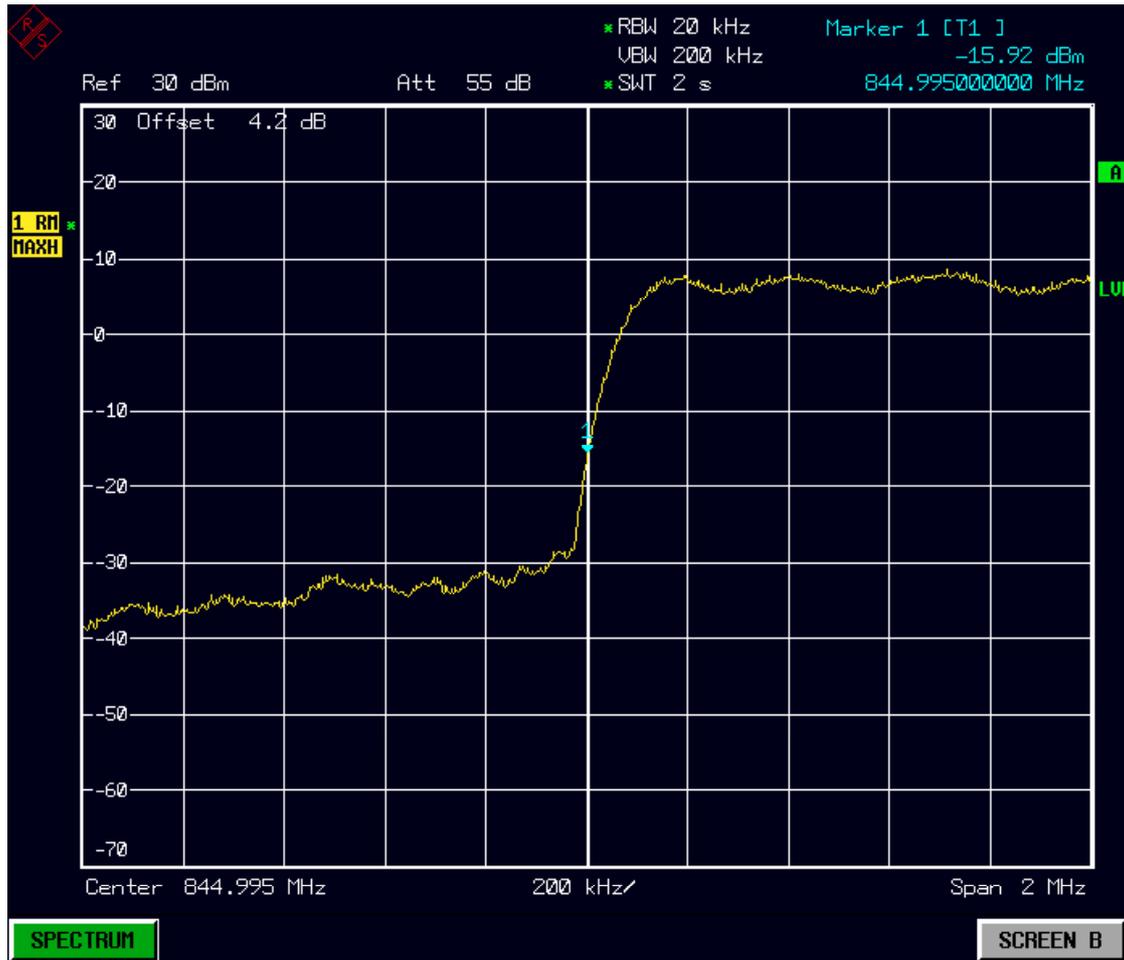
Block B, Right Edge (835.005MHz)

Channel 644



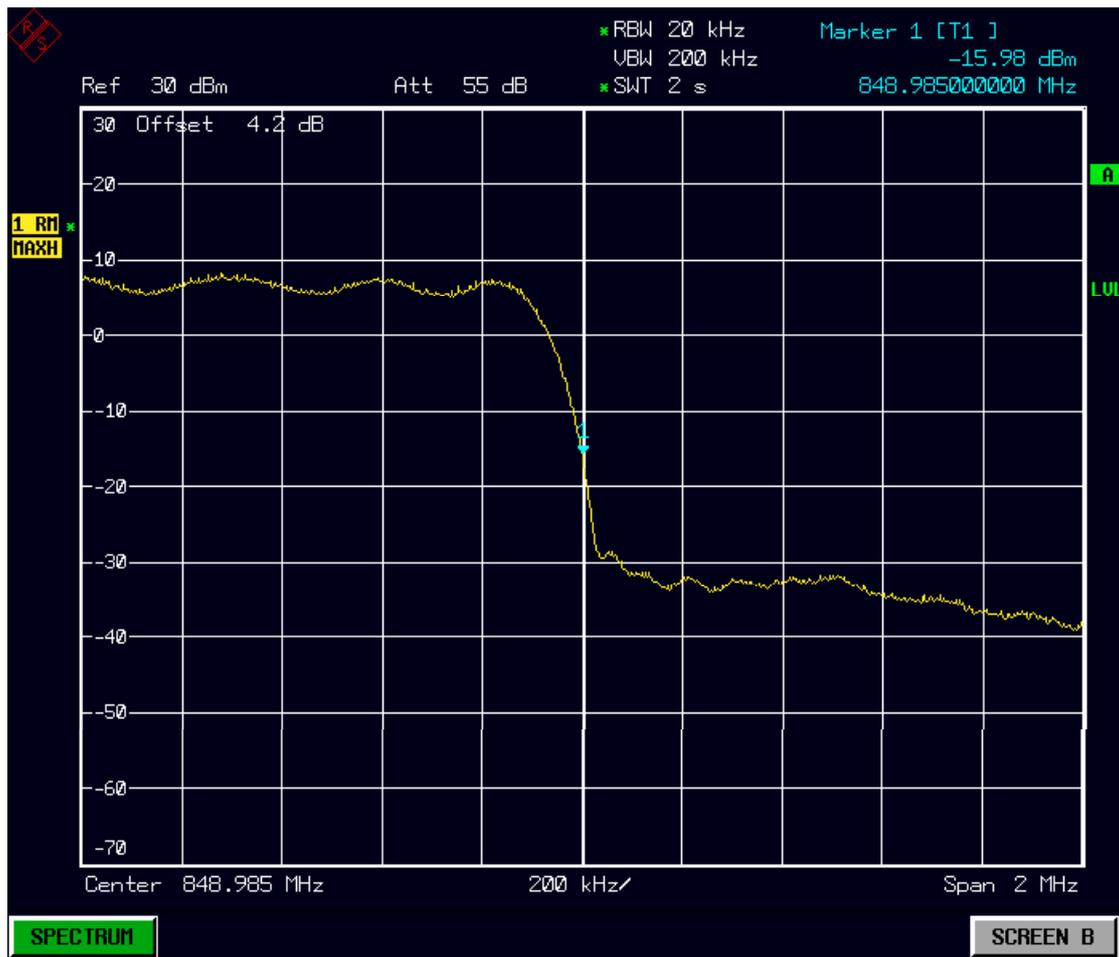
Block A' and A''', Left Edge (844.995MHz)

Channel 689



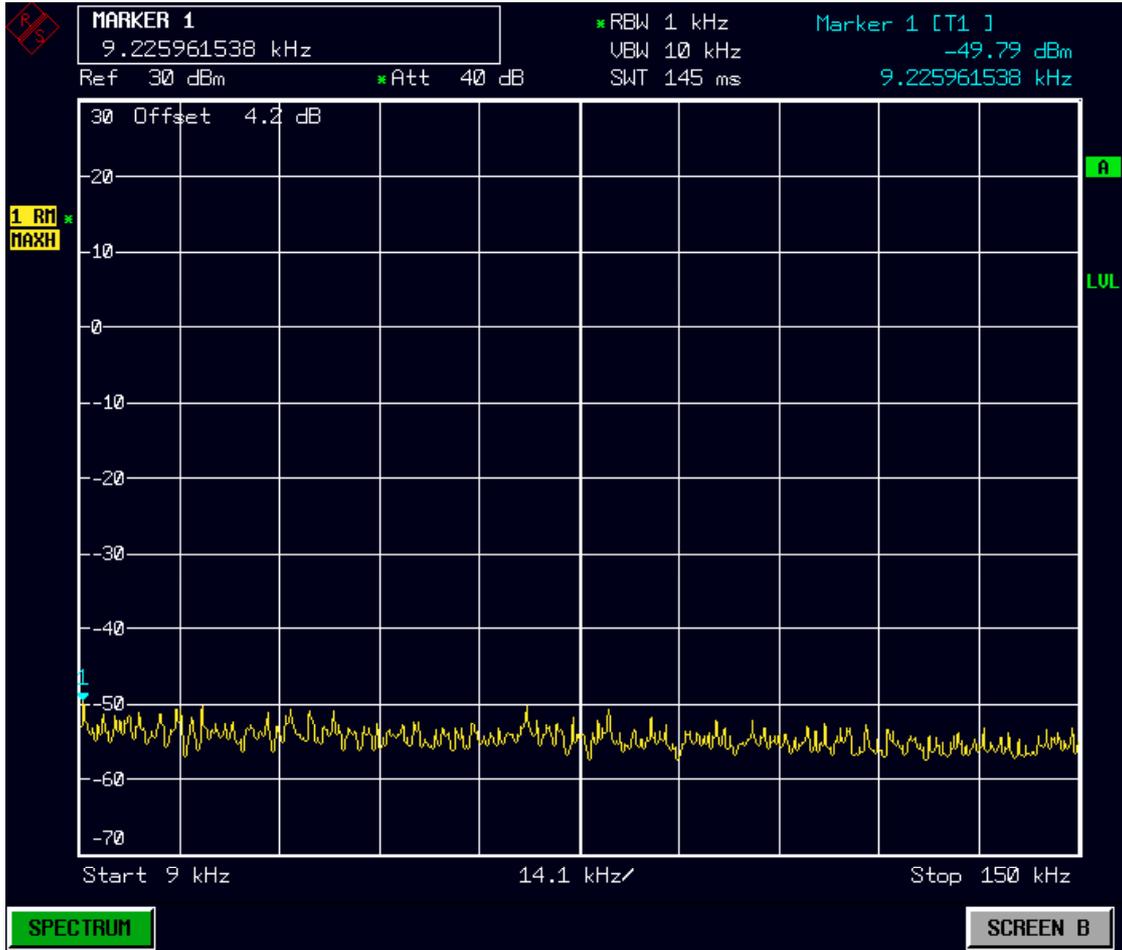
Block A' and A''', Right Edge (848.985MHz)

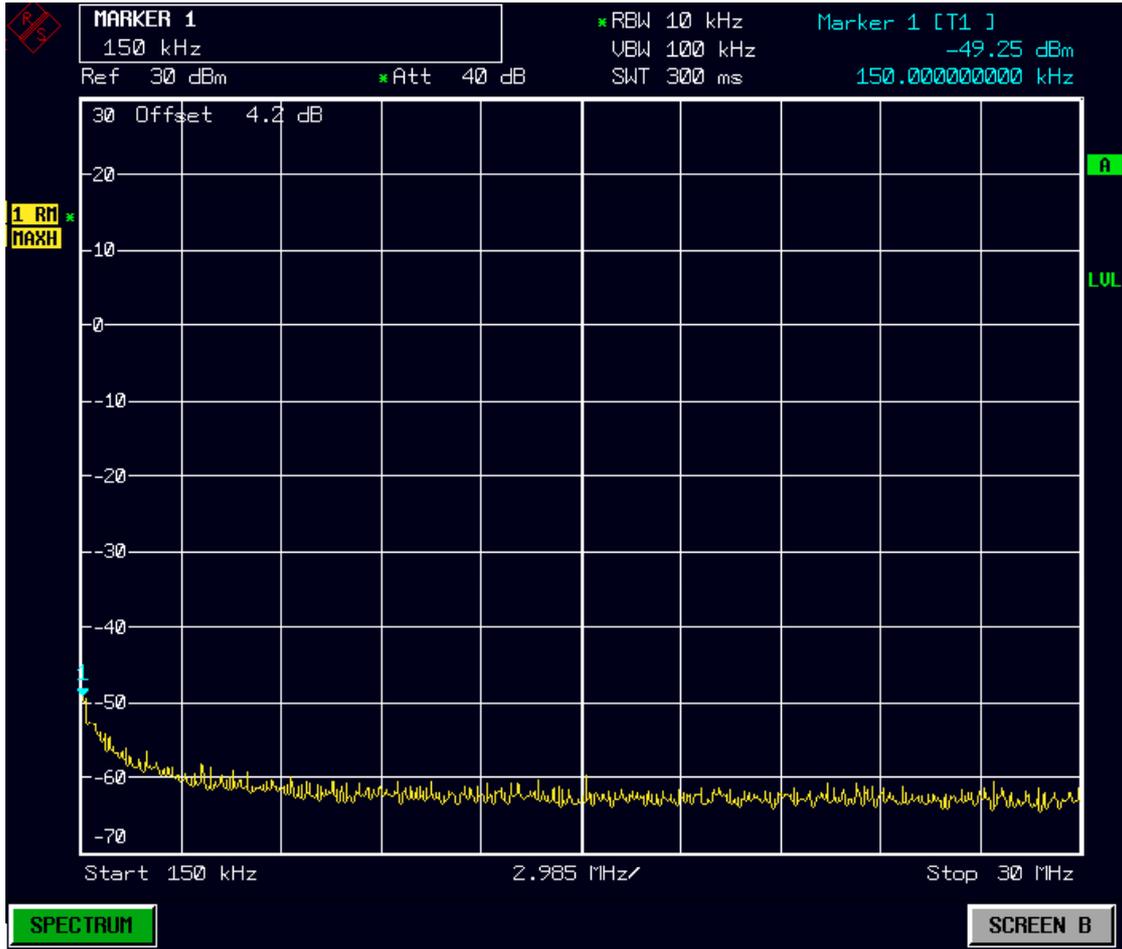
Channel 779

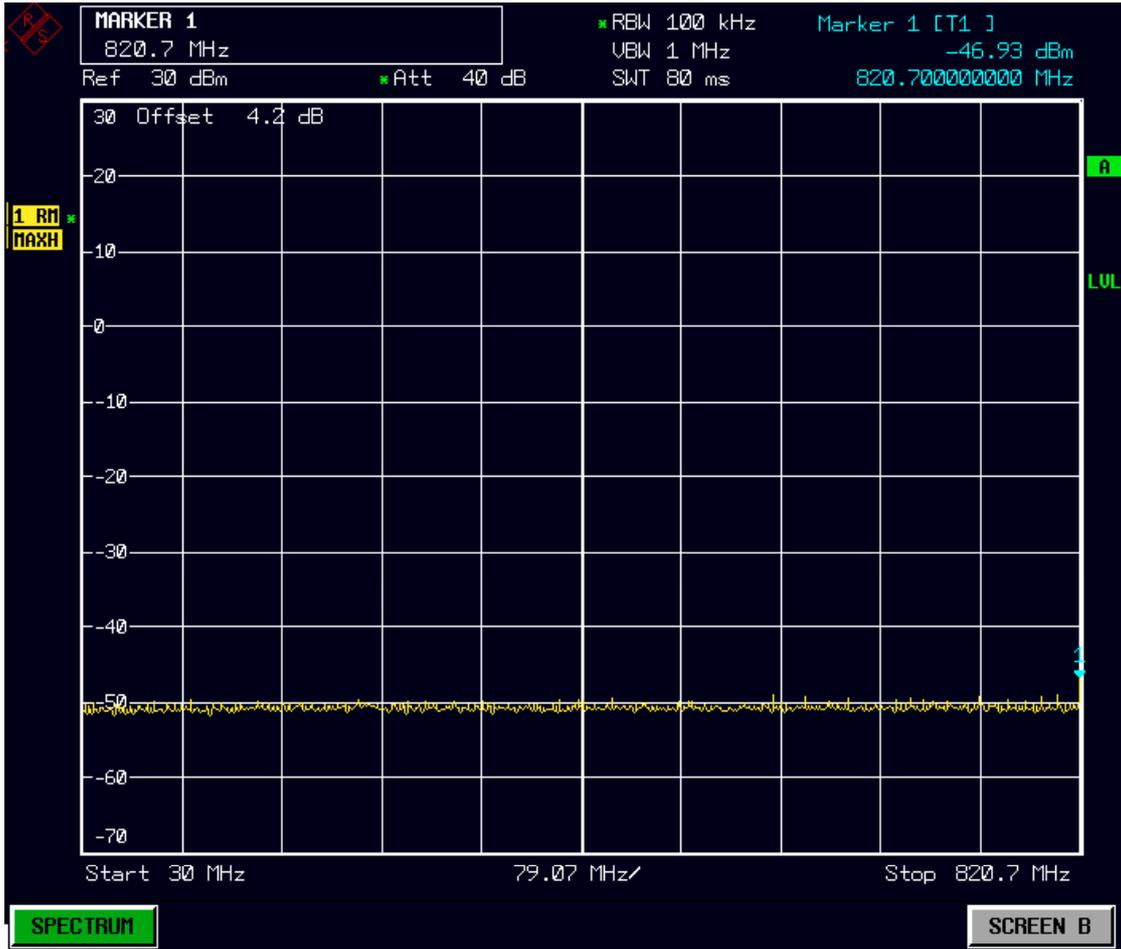


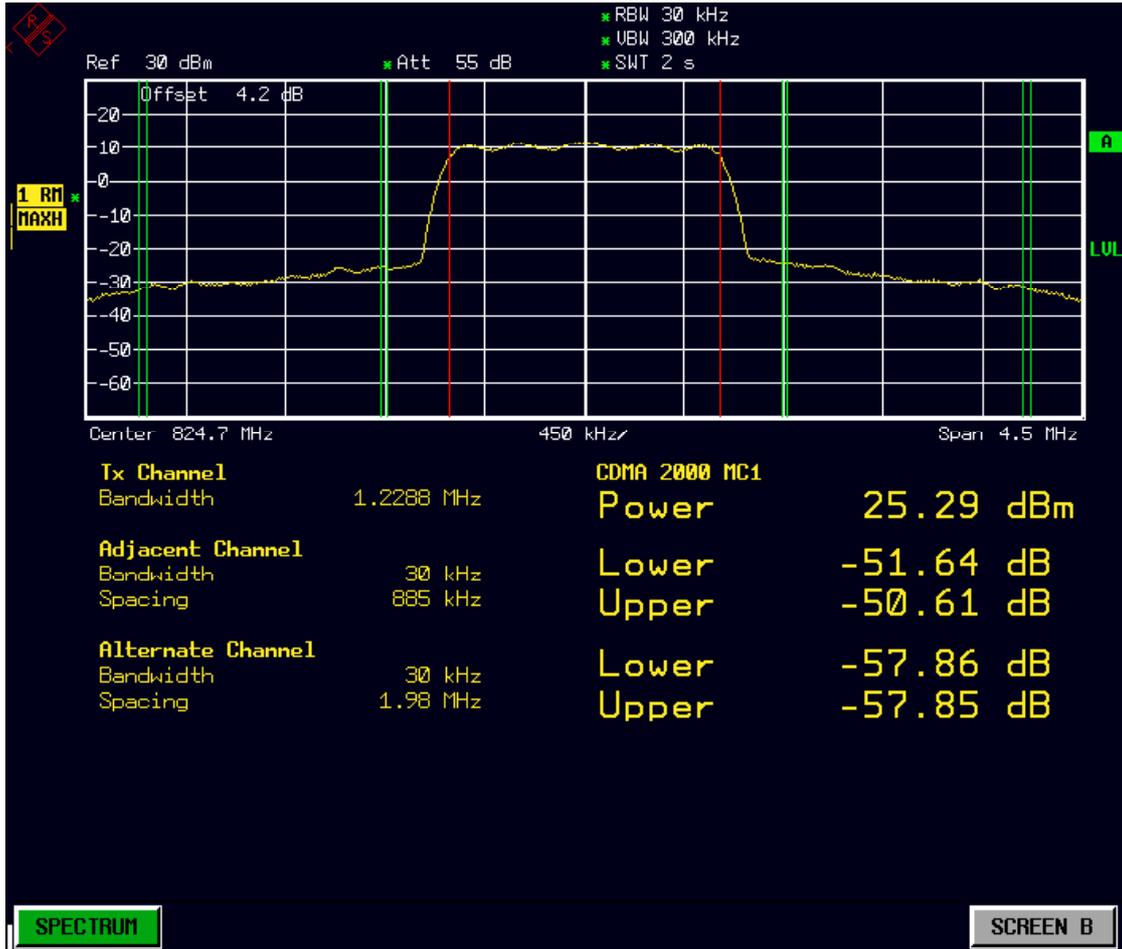
2 Measurement Results outside Band Edges

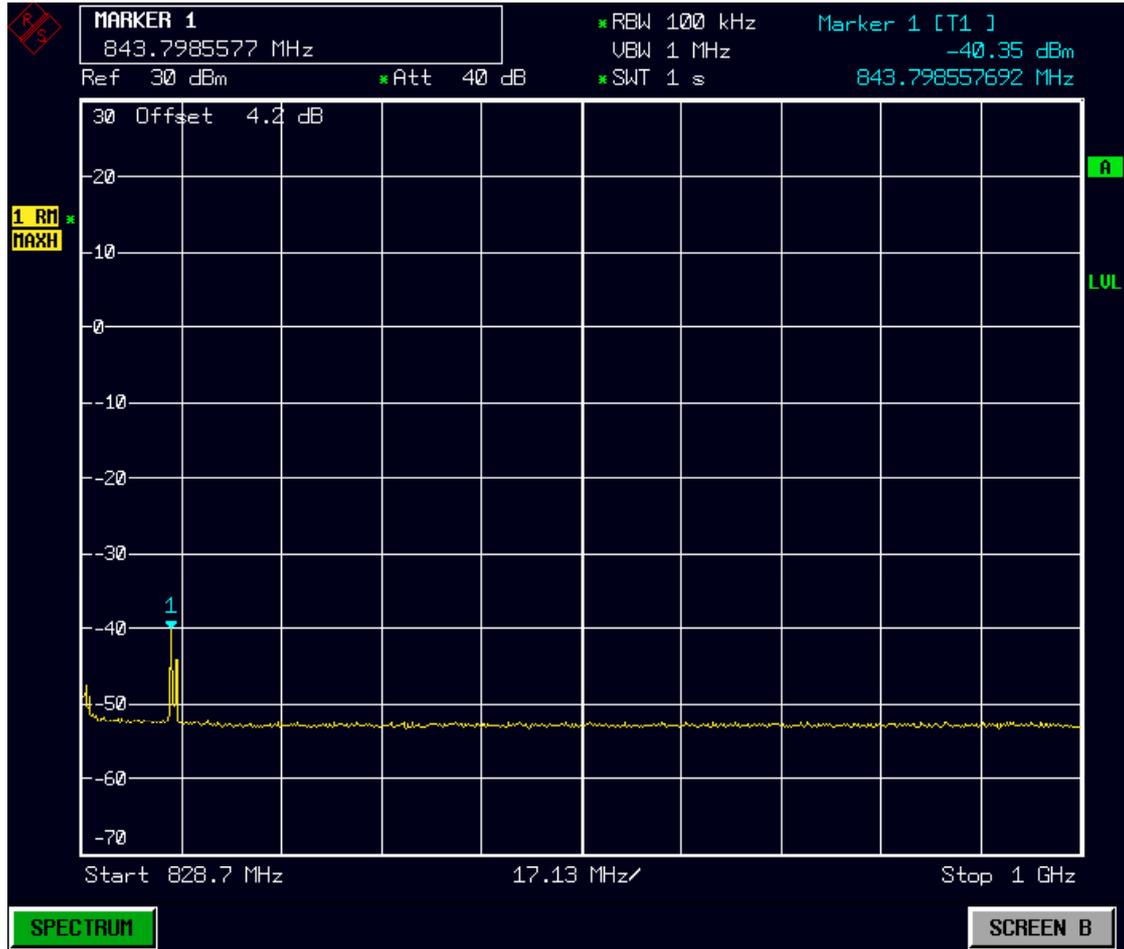
2.1 Channel 1013

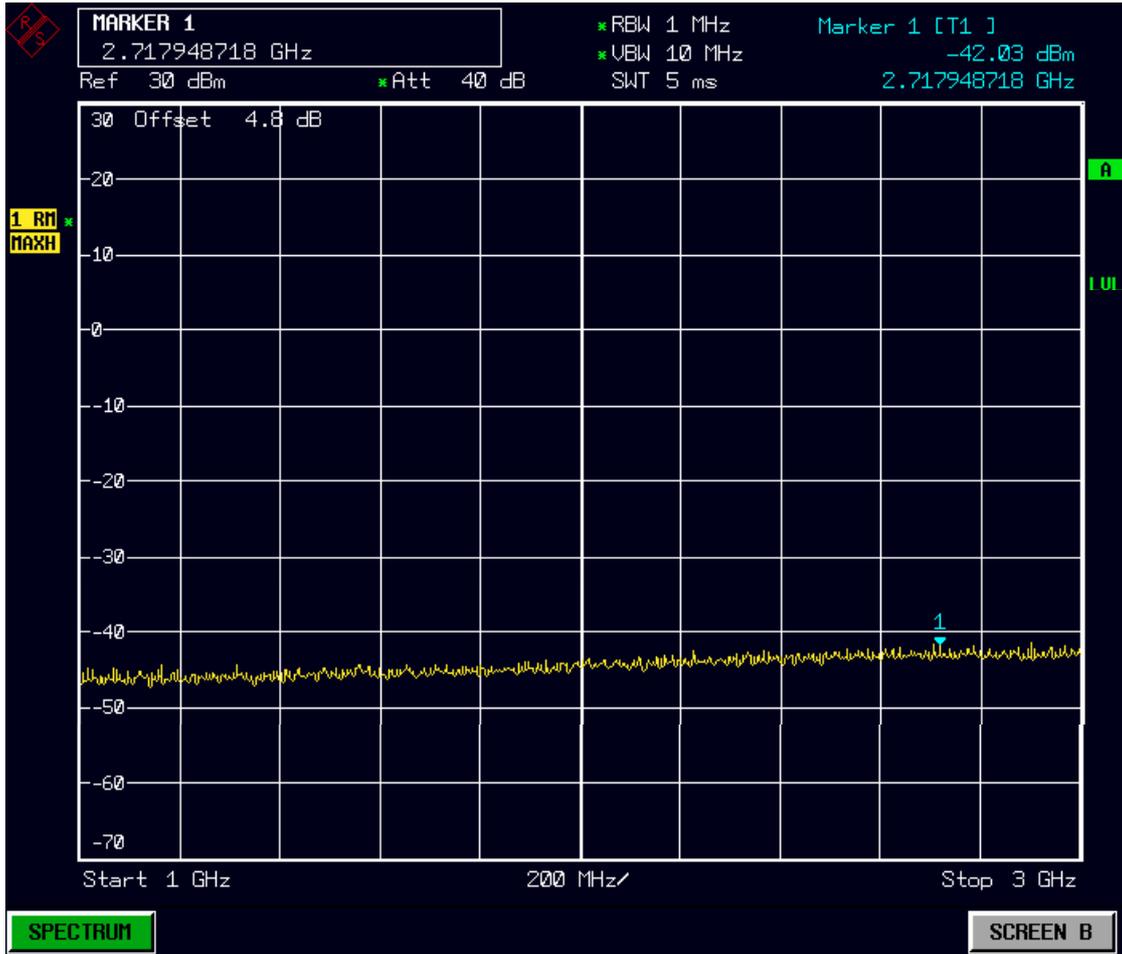


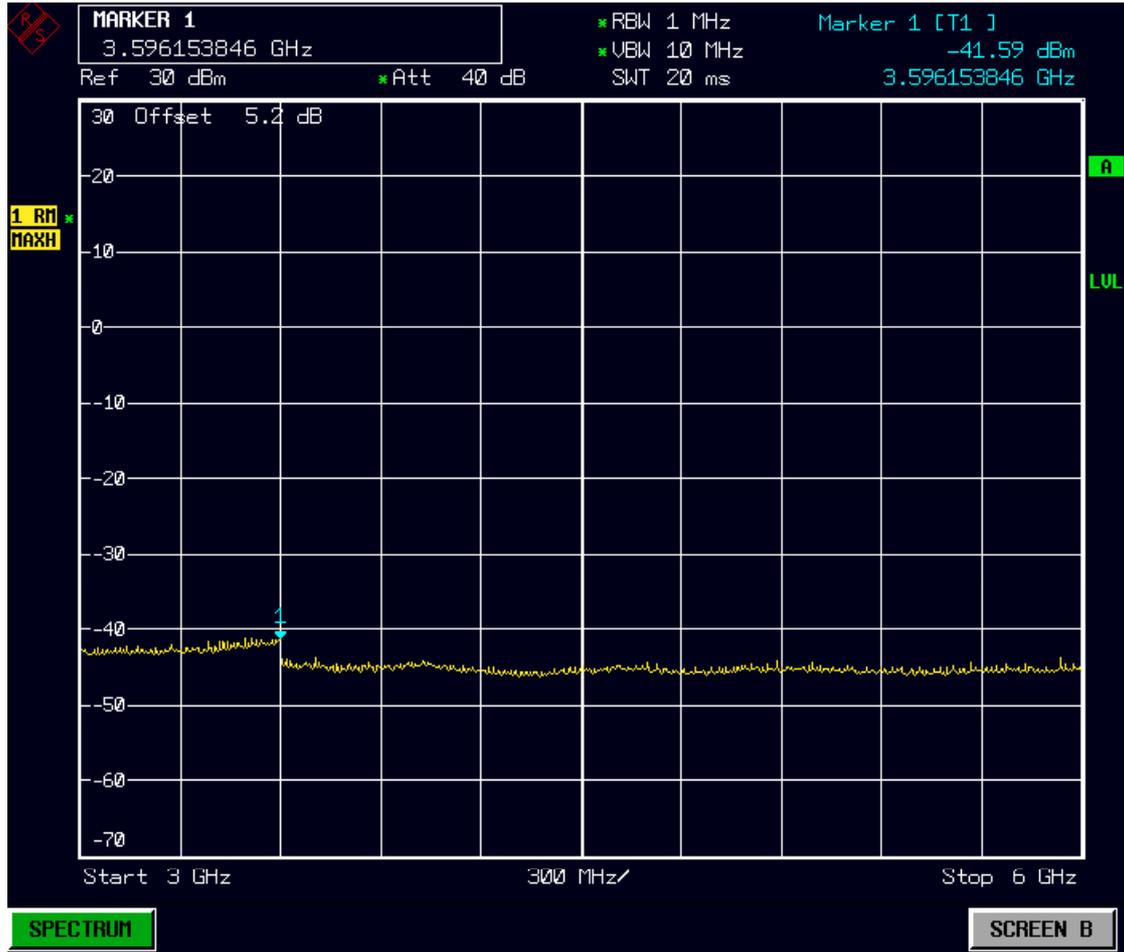


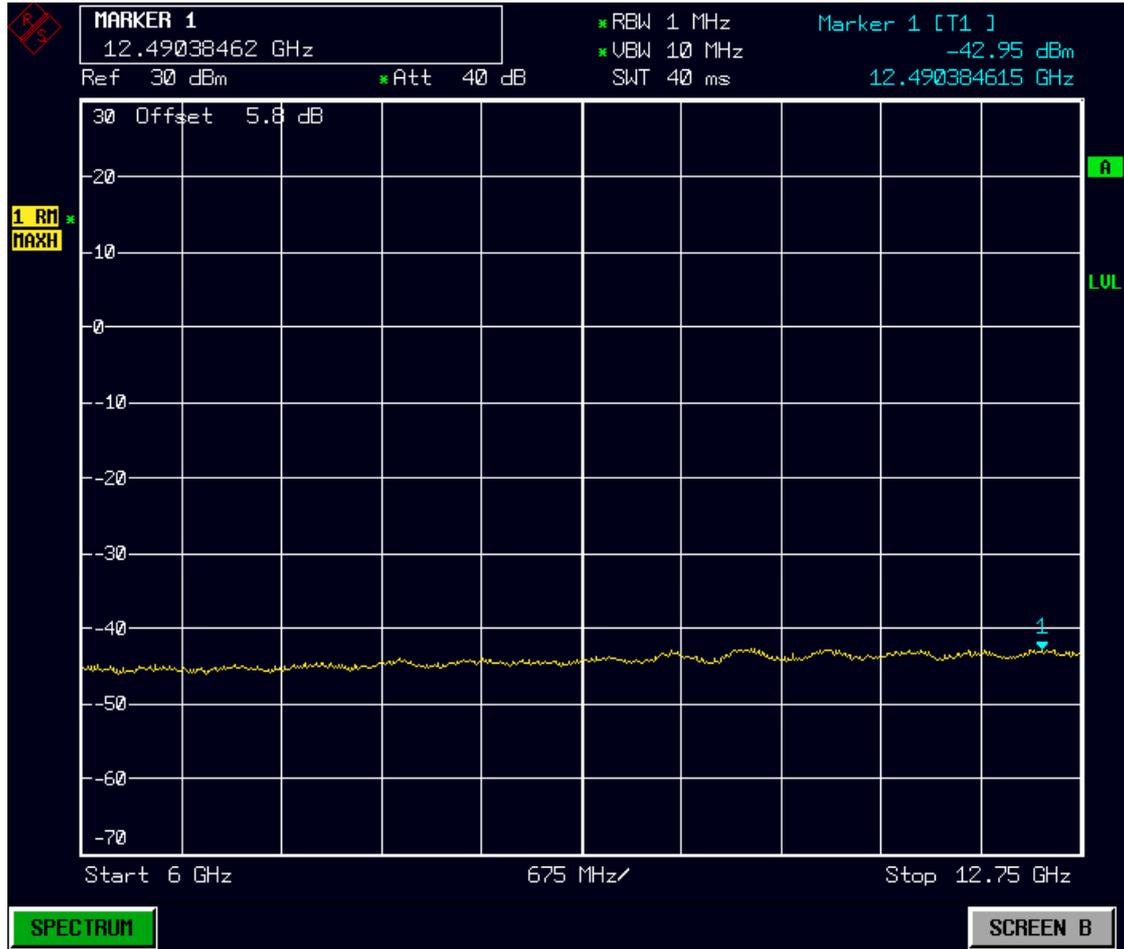




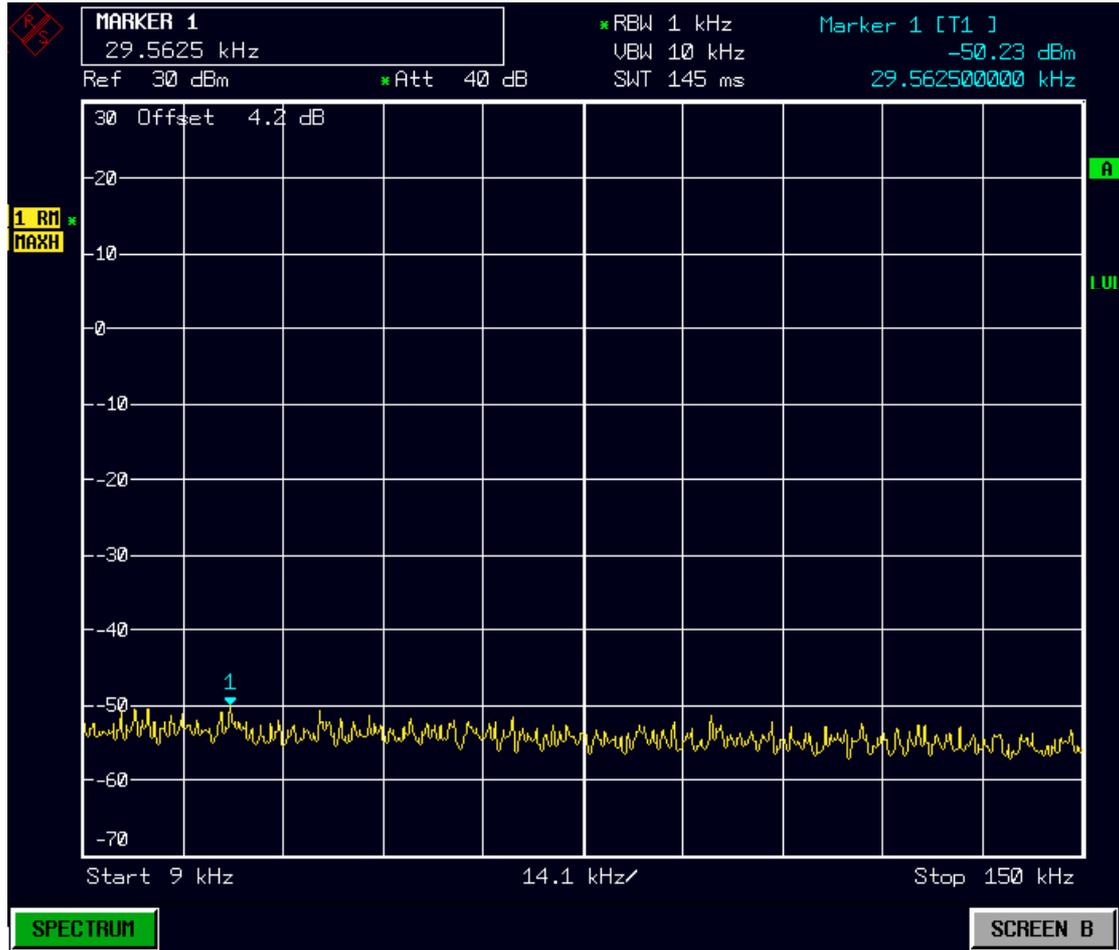


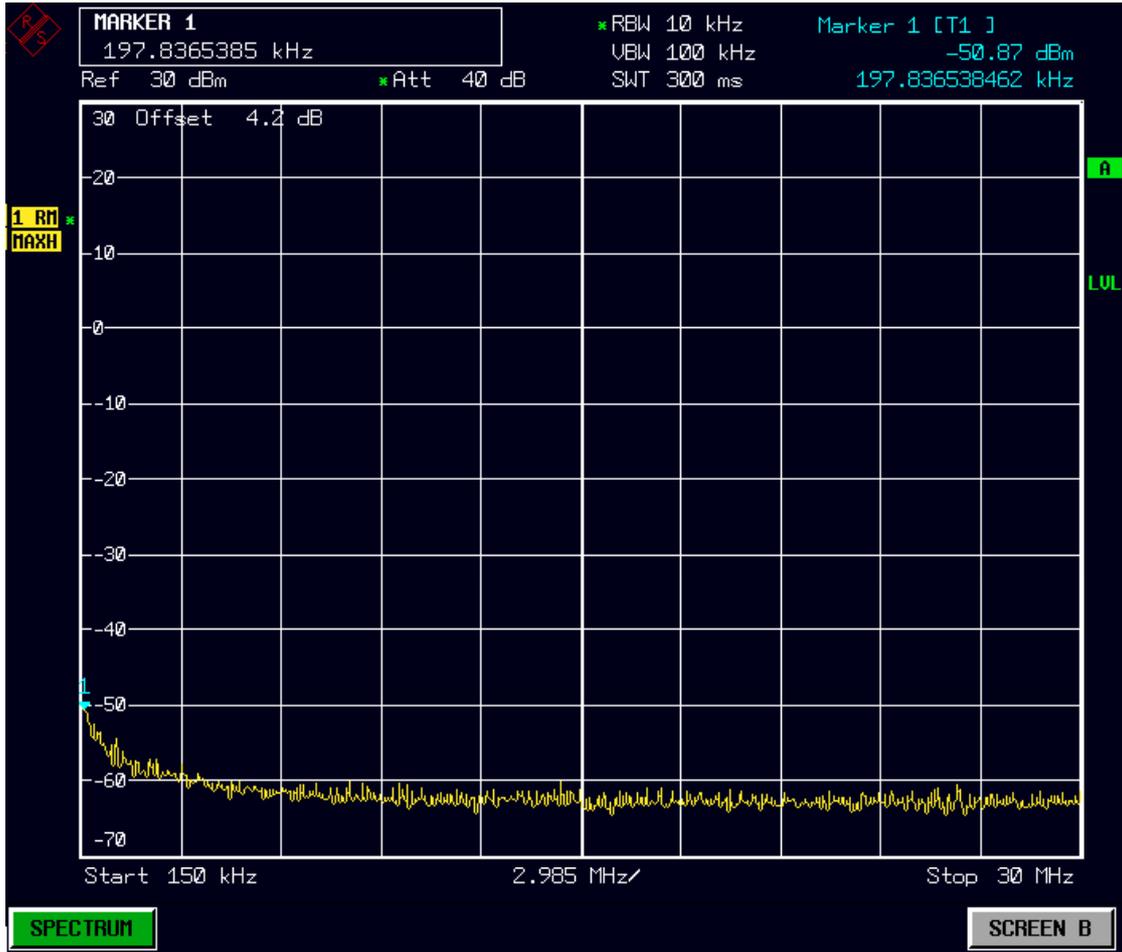


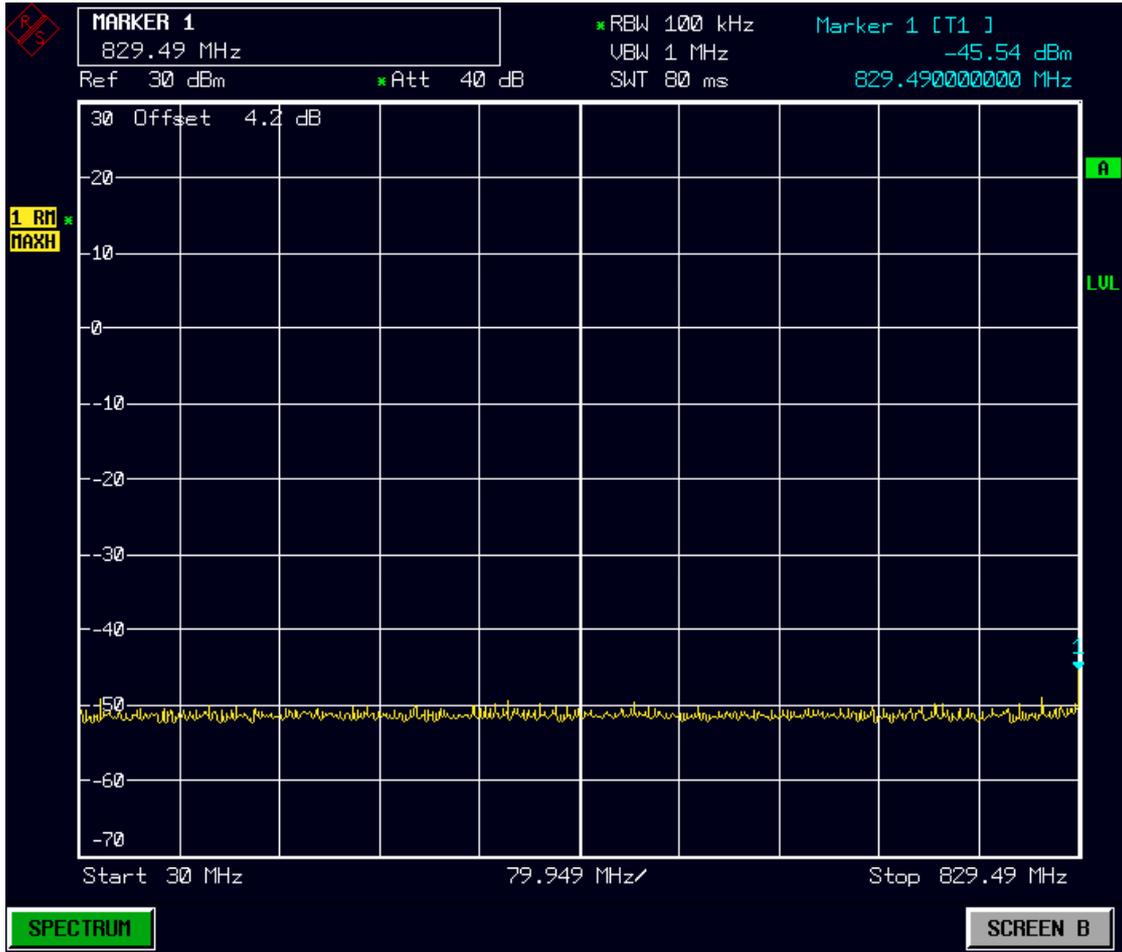


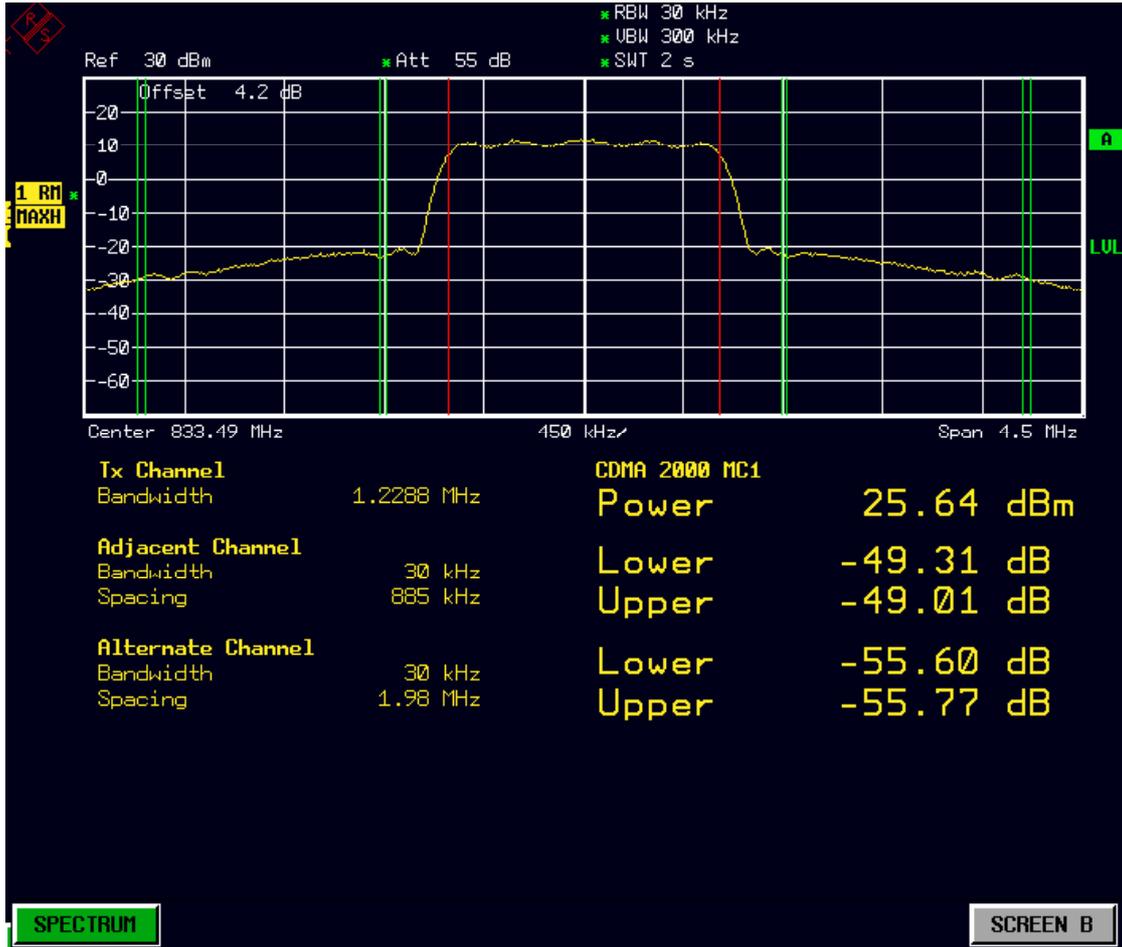


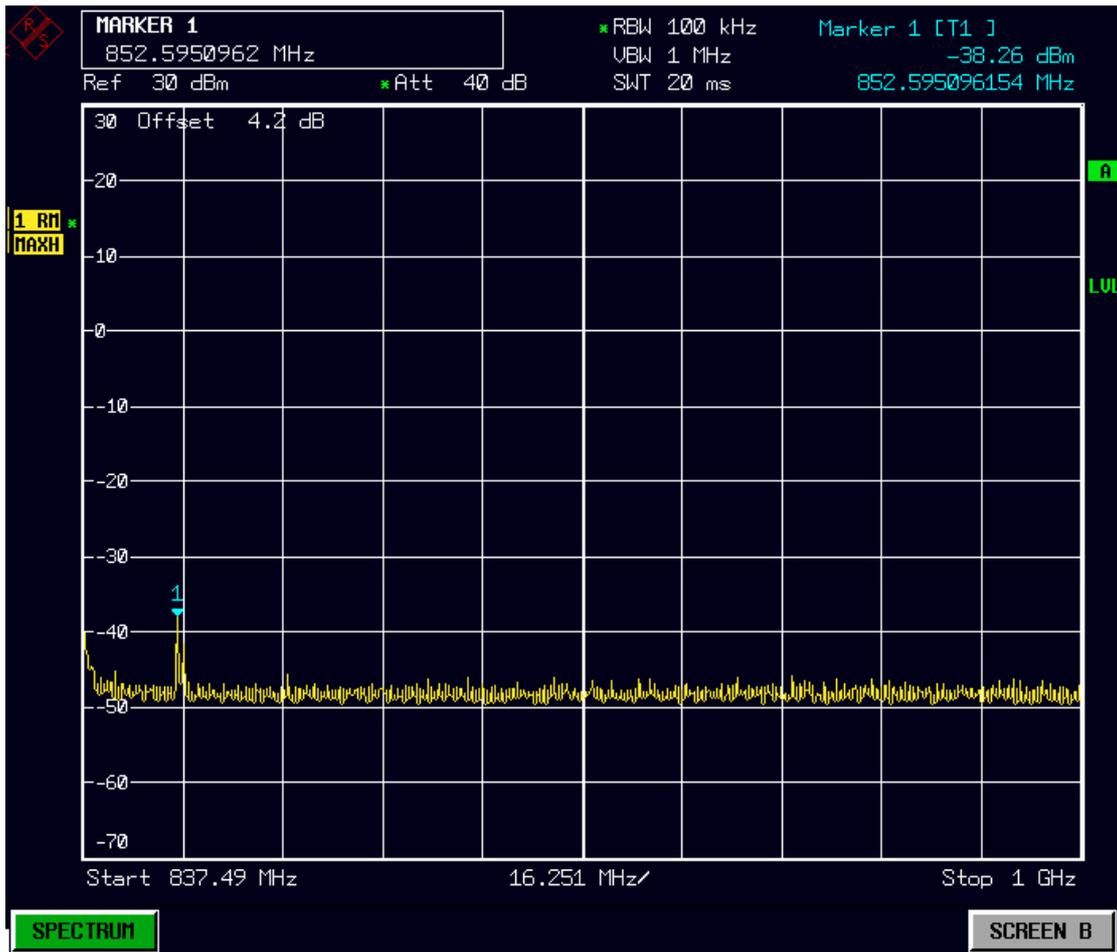
Channel 283

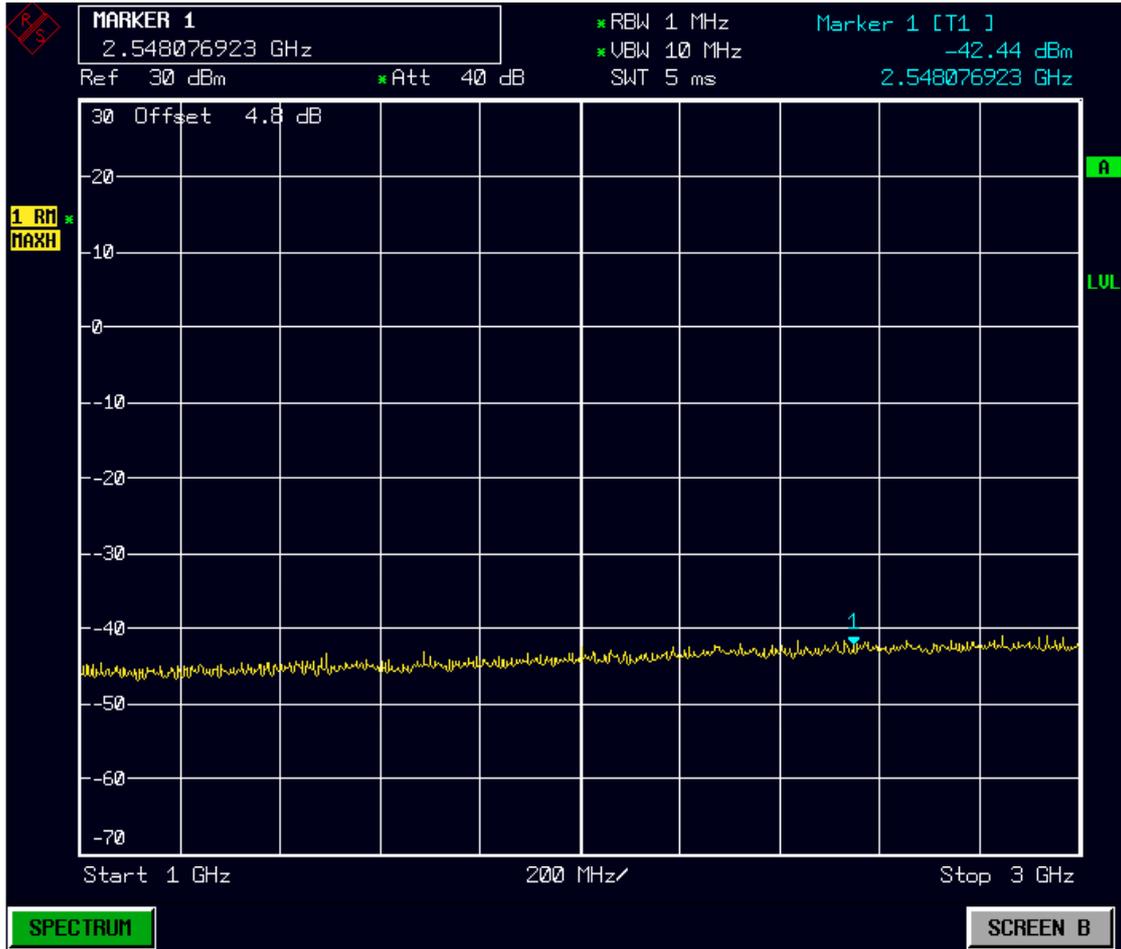


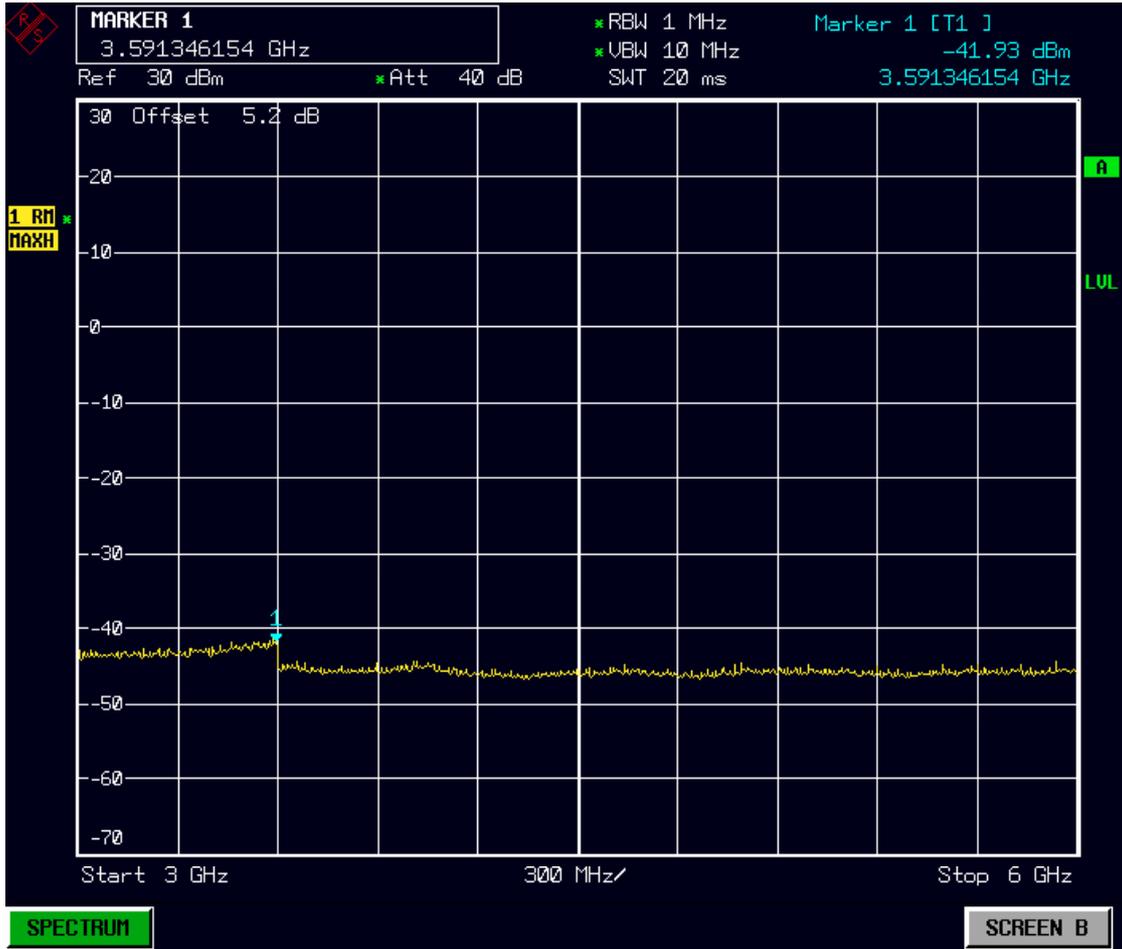


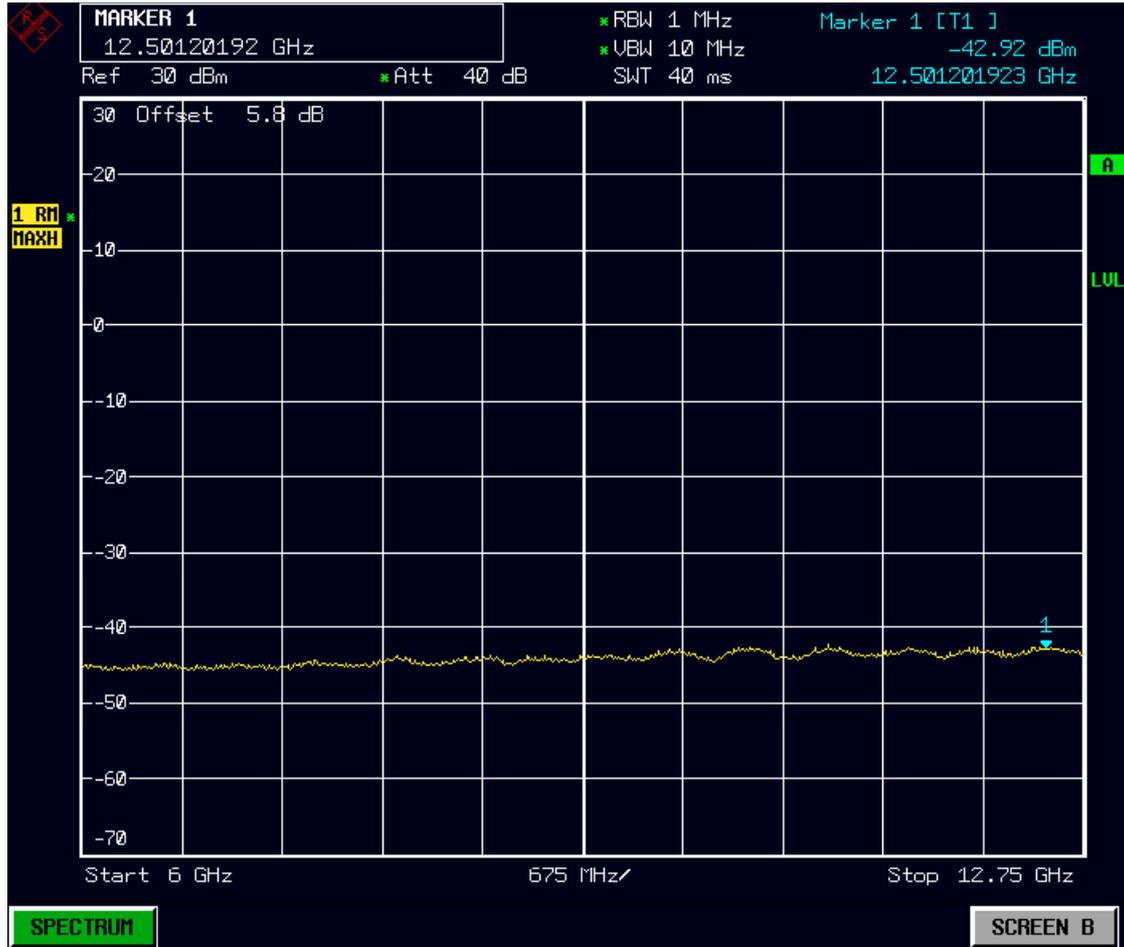




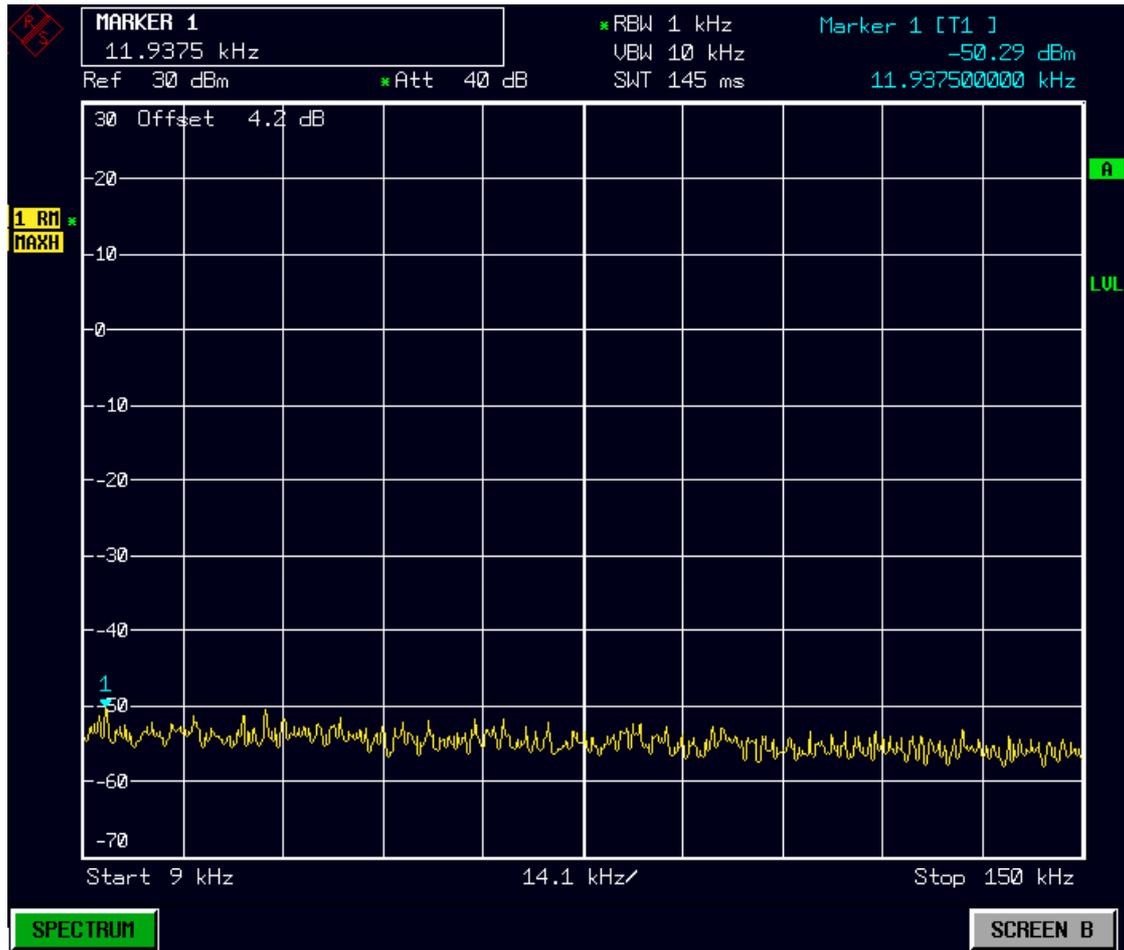


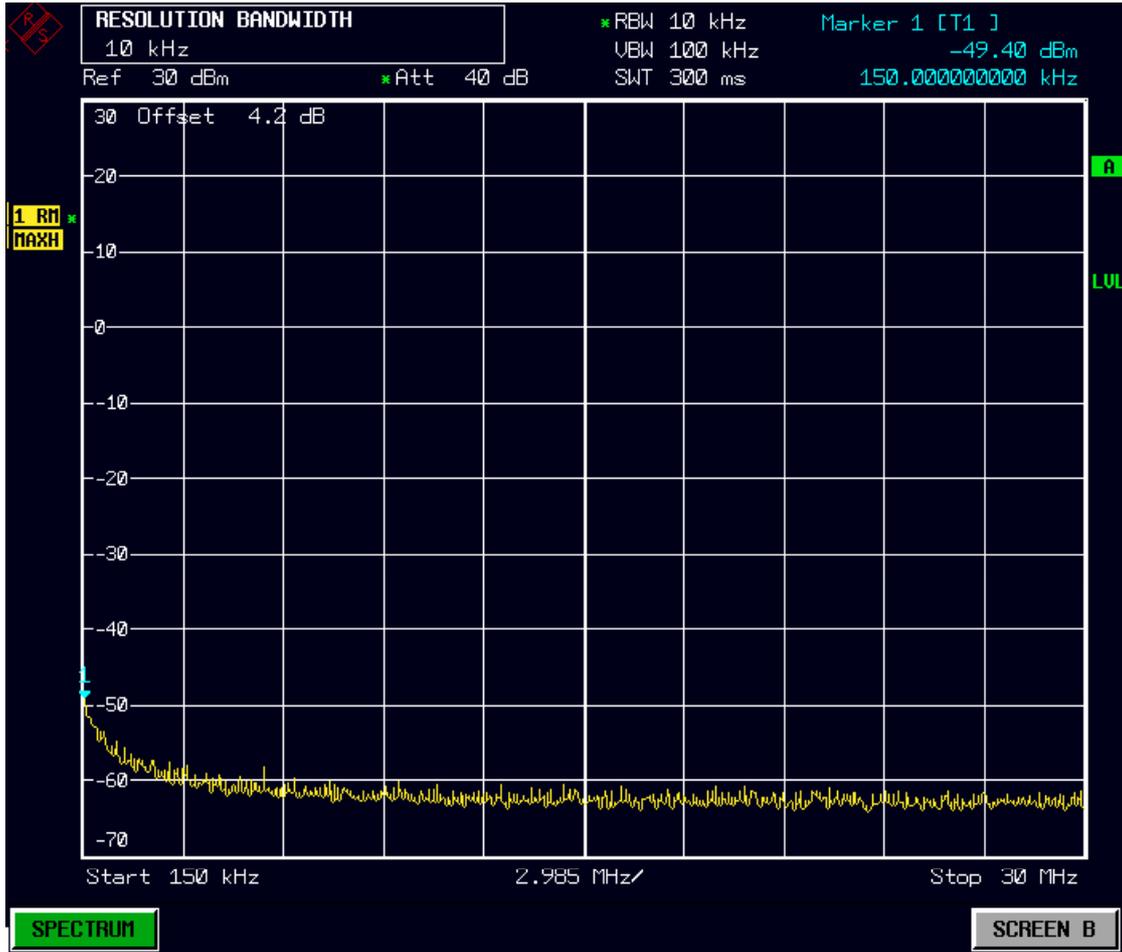


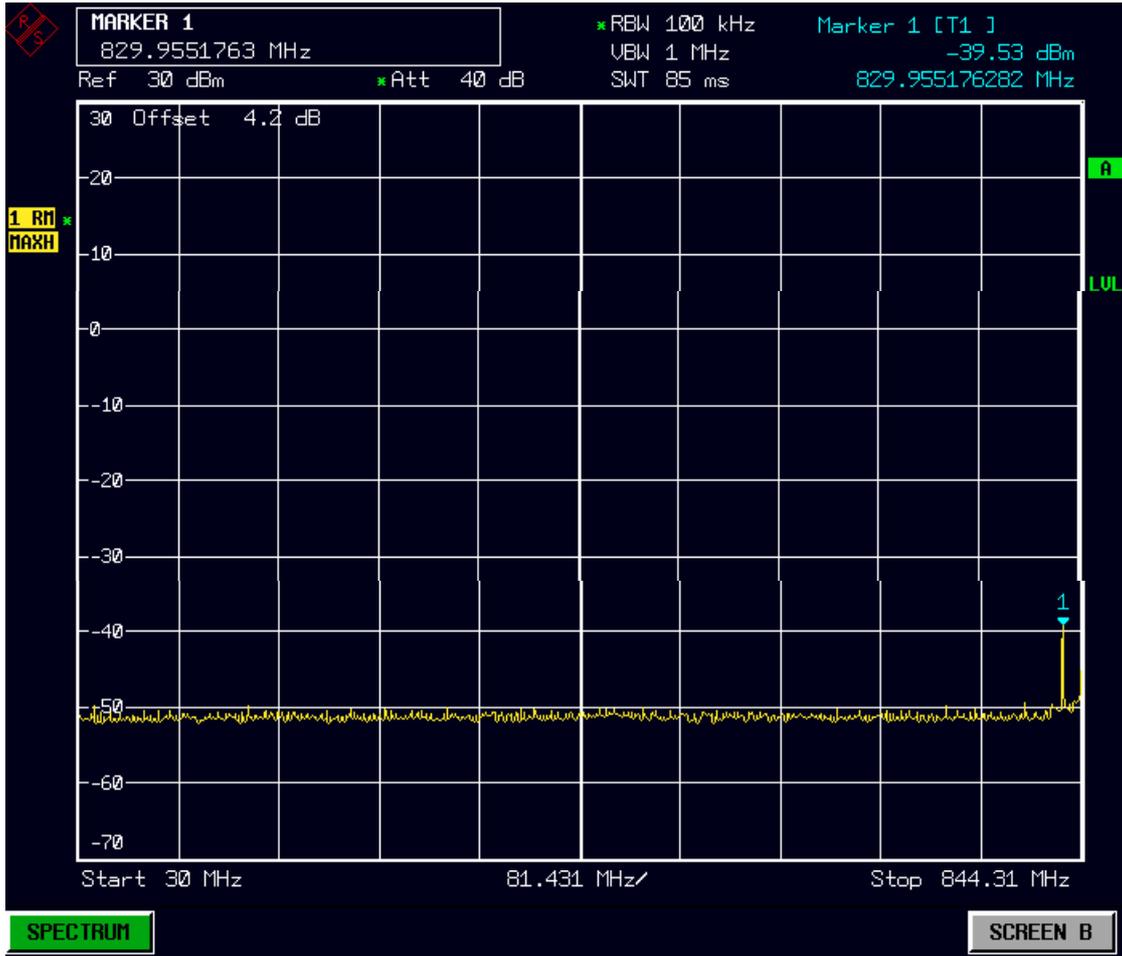


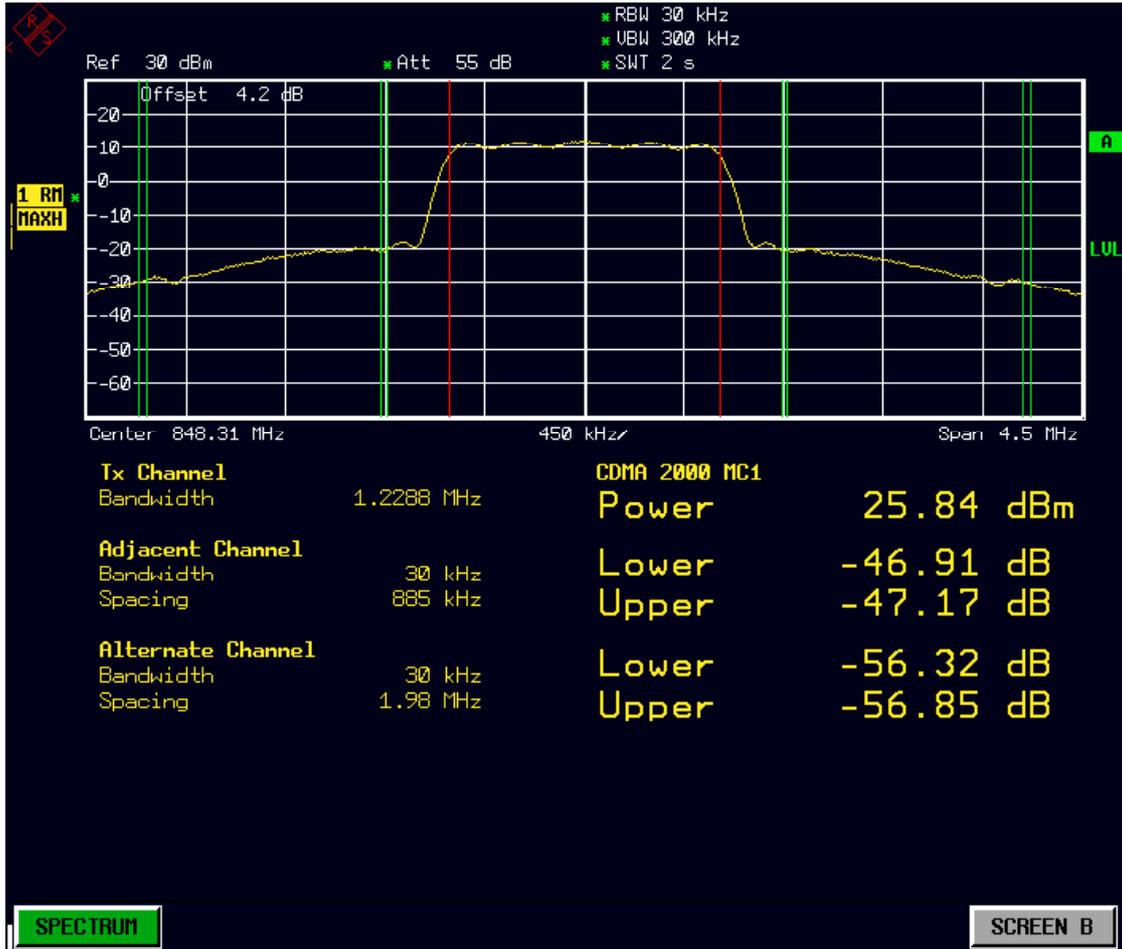


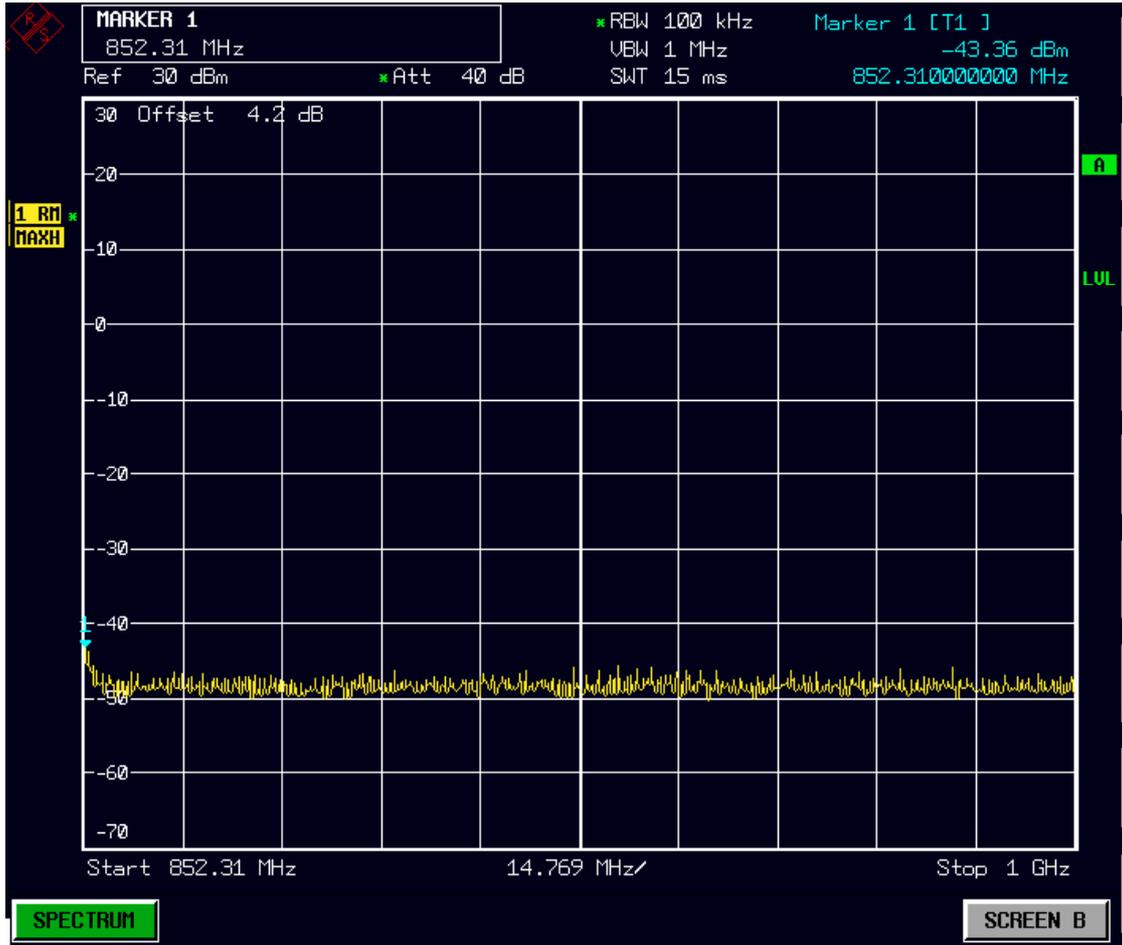
Channel 777

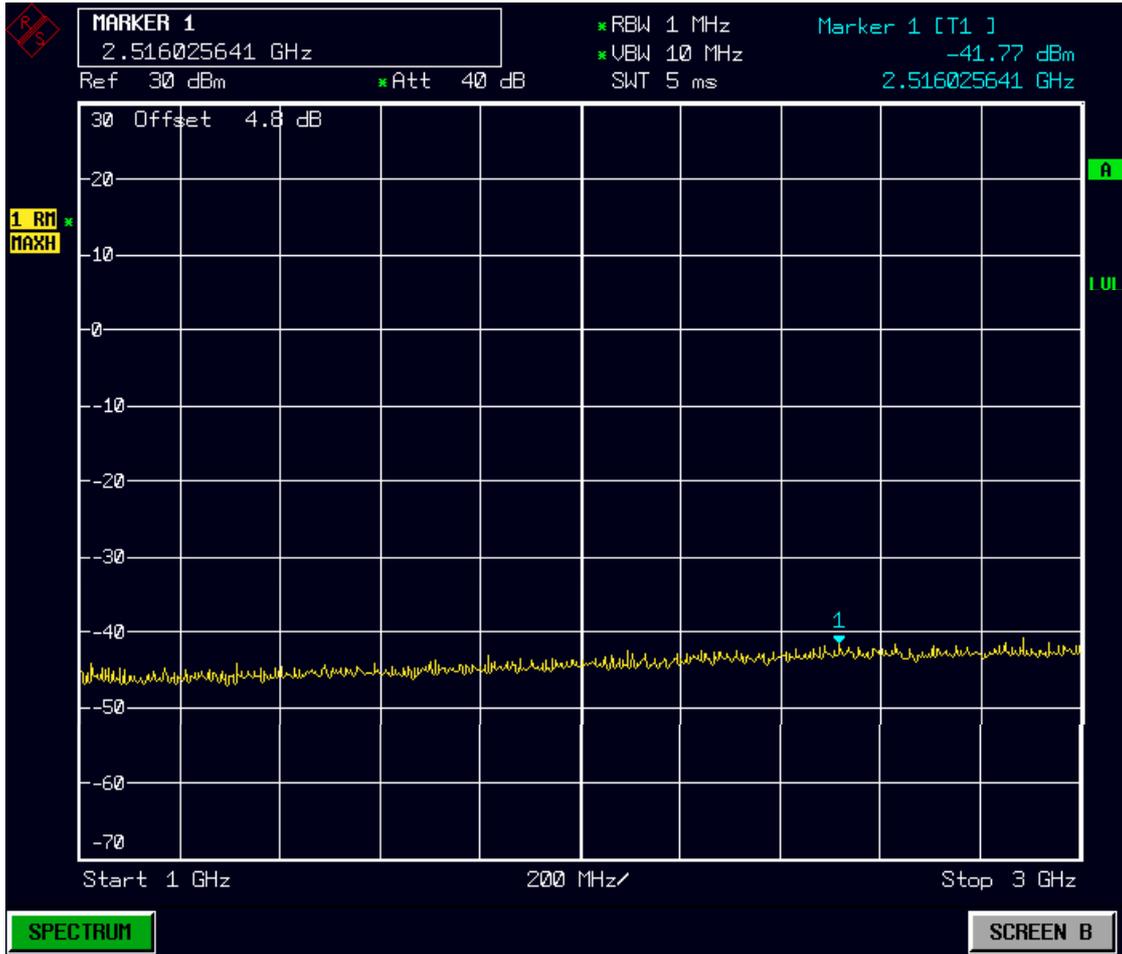


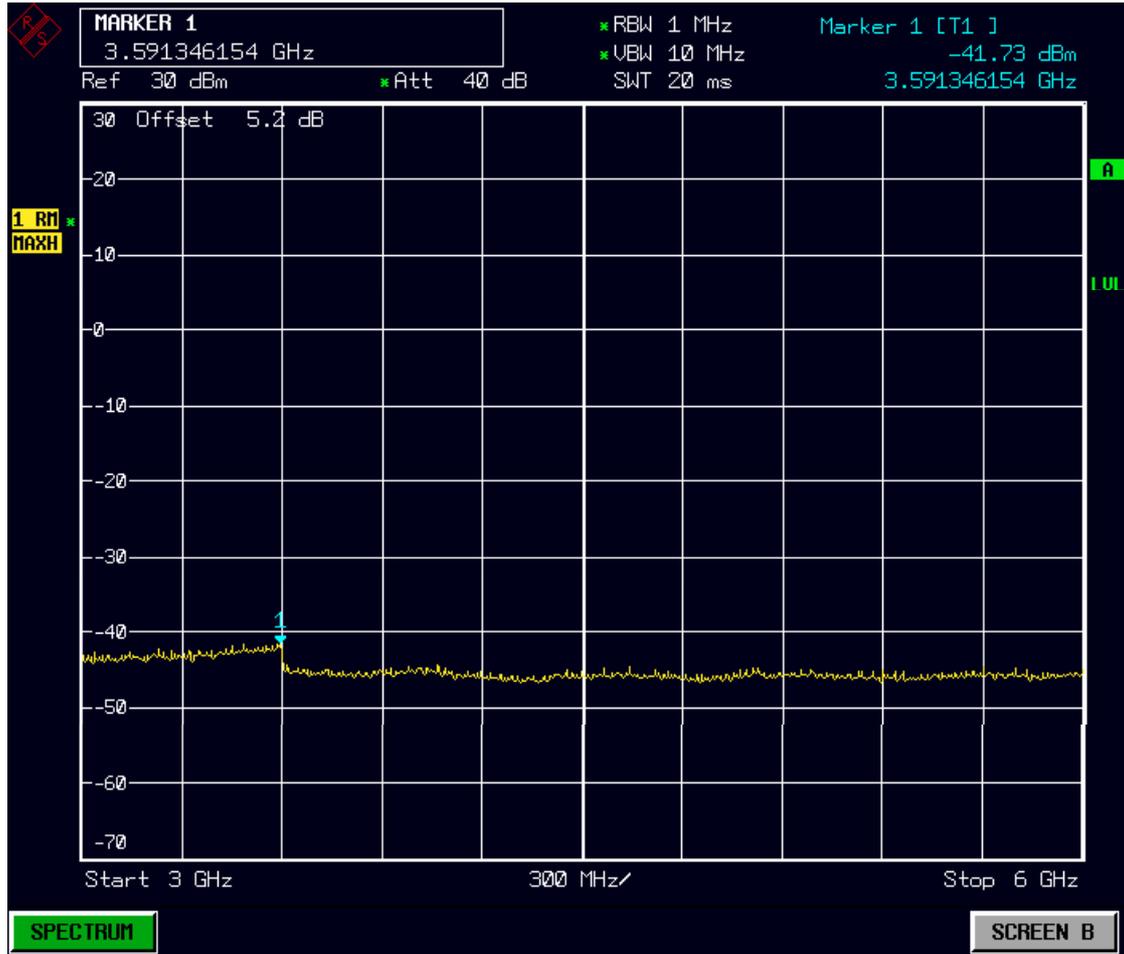


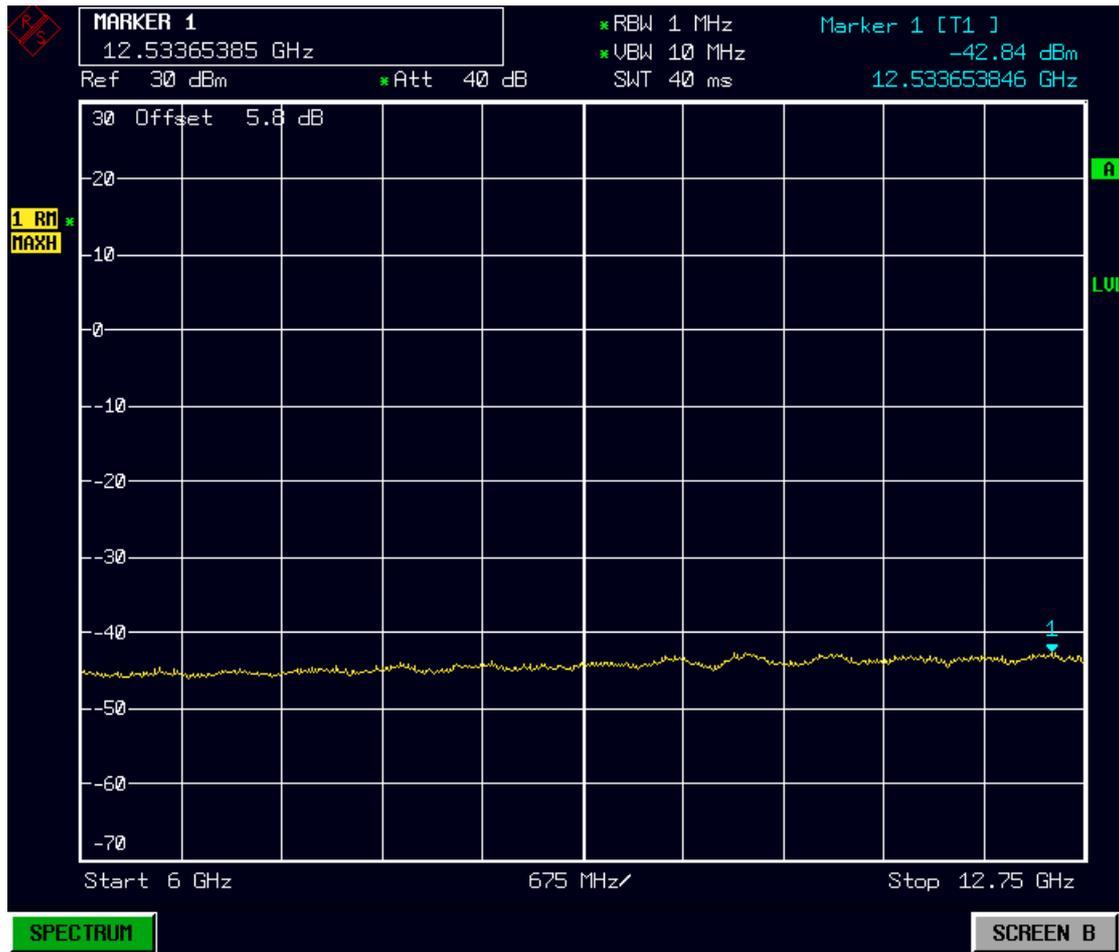












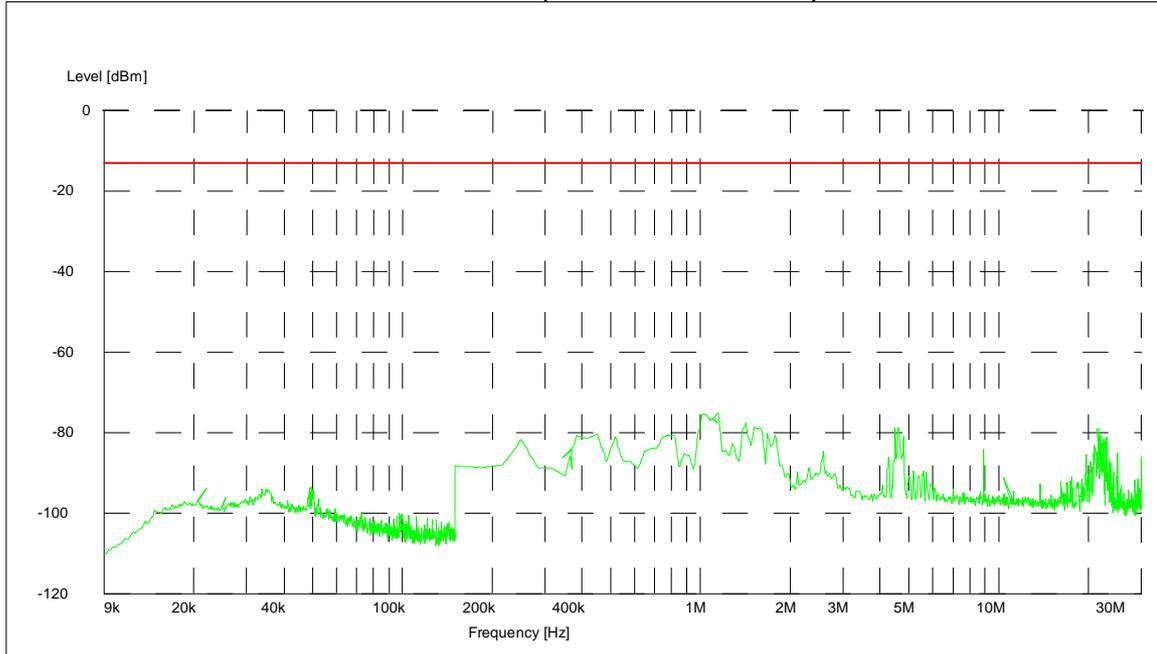


Appendix E

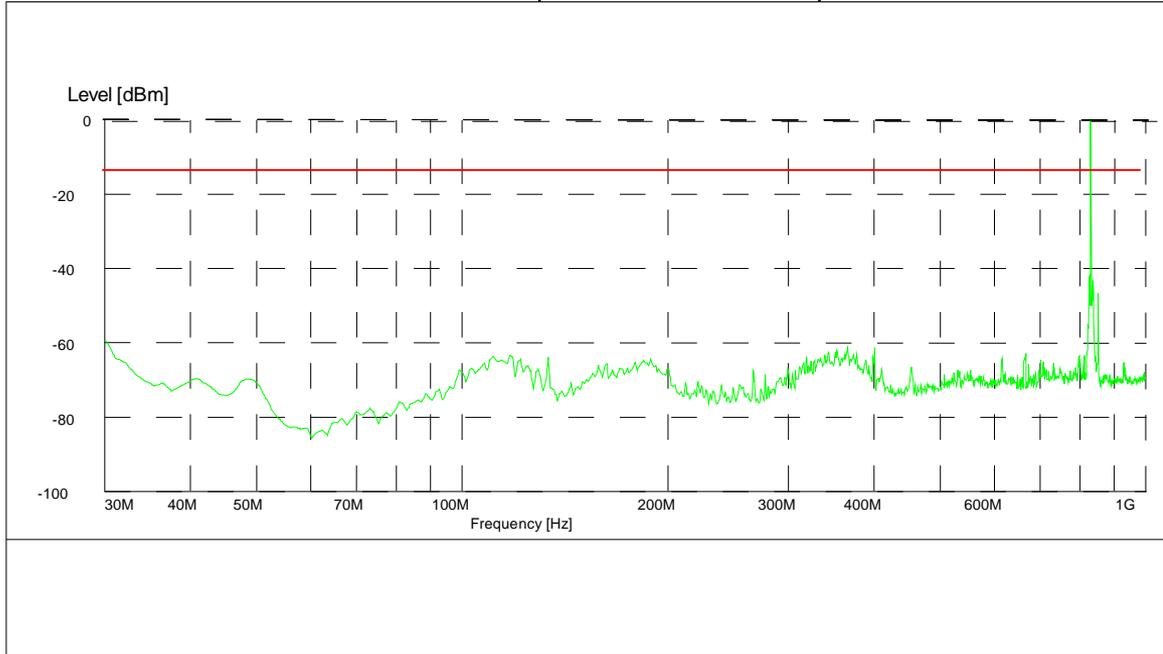
Field Strength of Spurious Radiation

According to CFR 47 (FCC) part 2.1053 & 22.917(e)

TRA Mode (9kHz-30MHz)

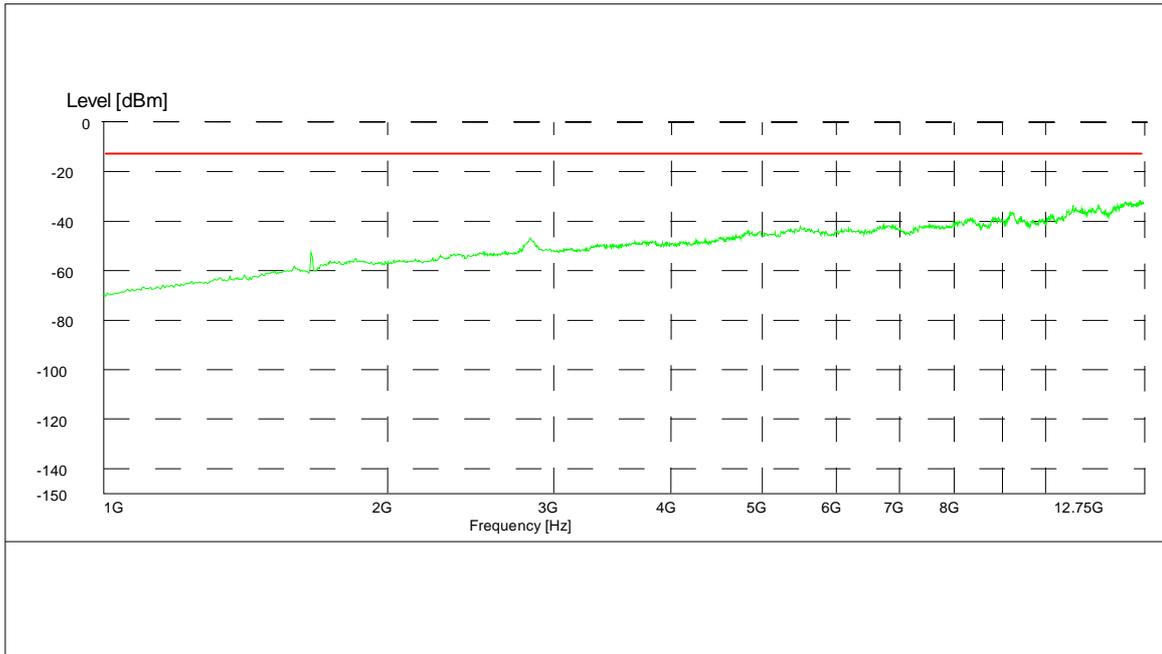


TRA Mode (30MHz-1GHz)

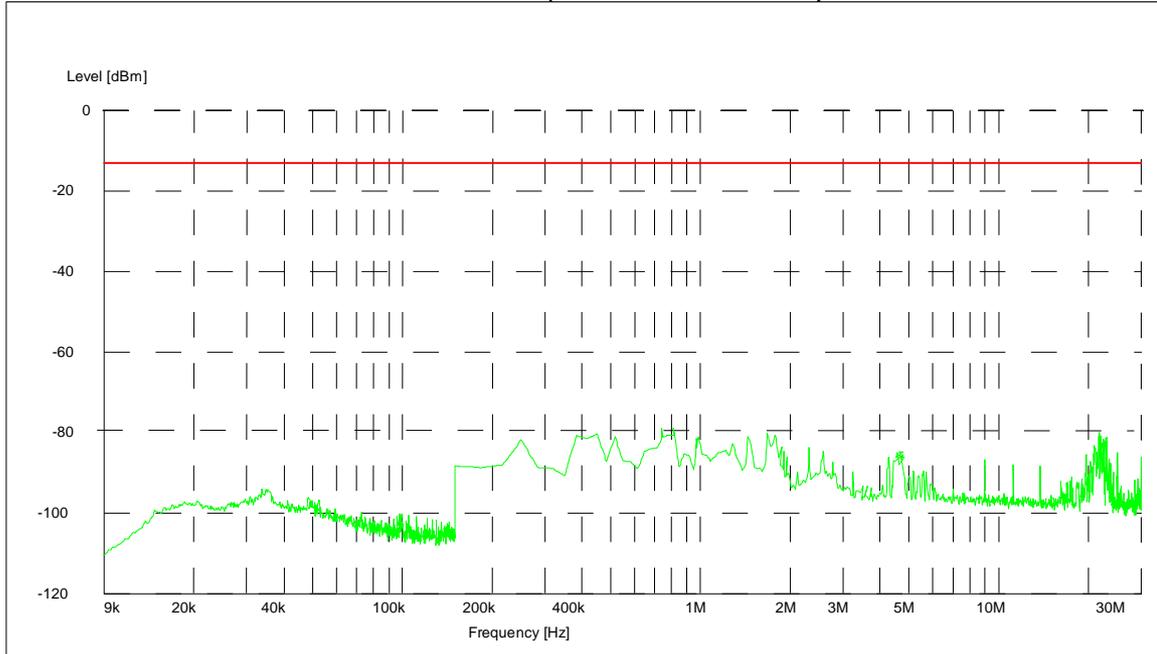


Note: The frequency which exceeded the limit was the carrier frequency.

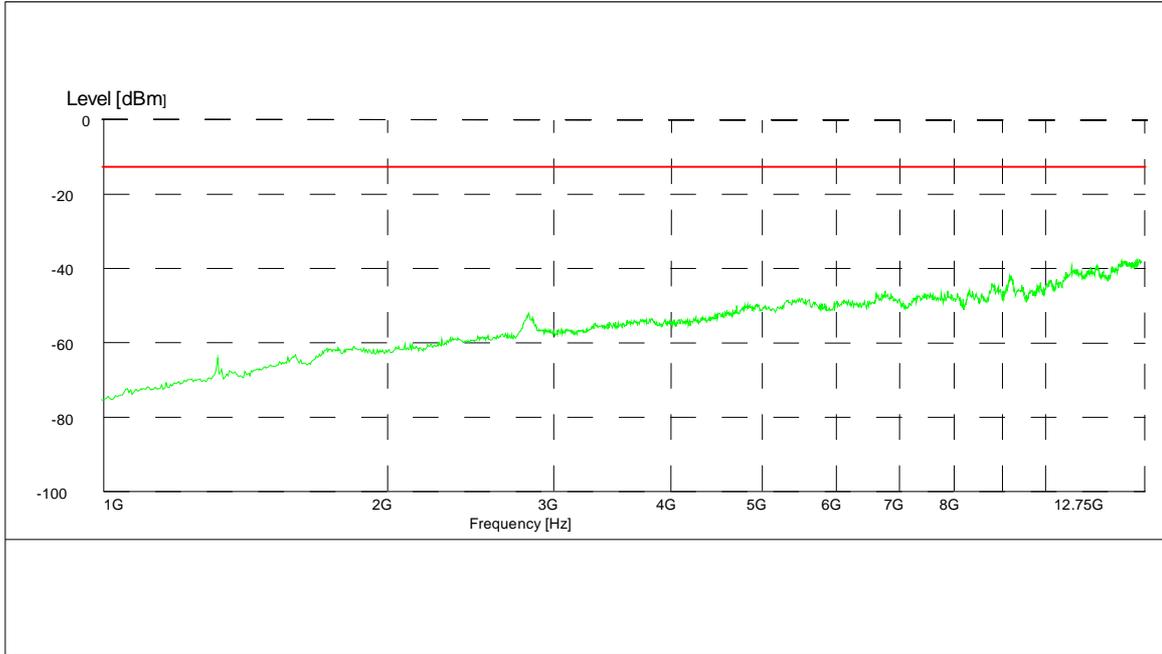
TRA Mode (1GHz-12.75GHz) t



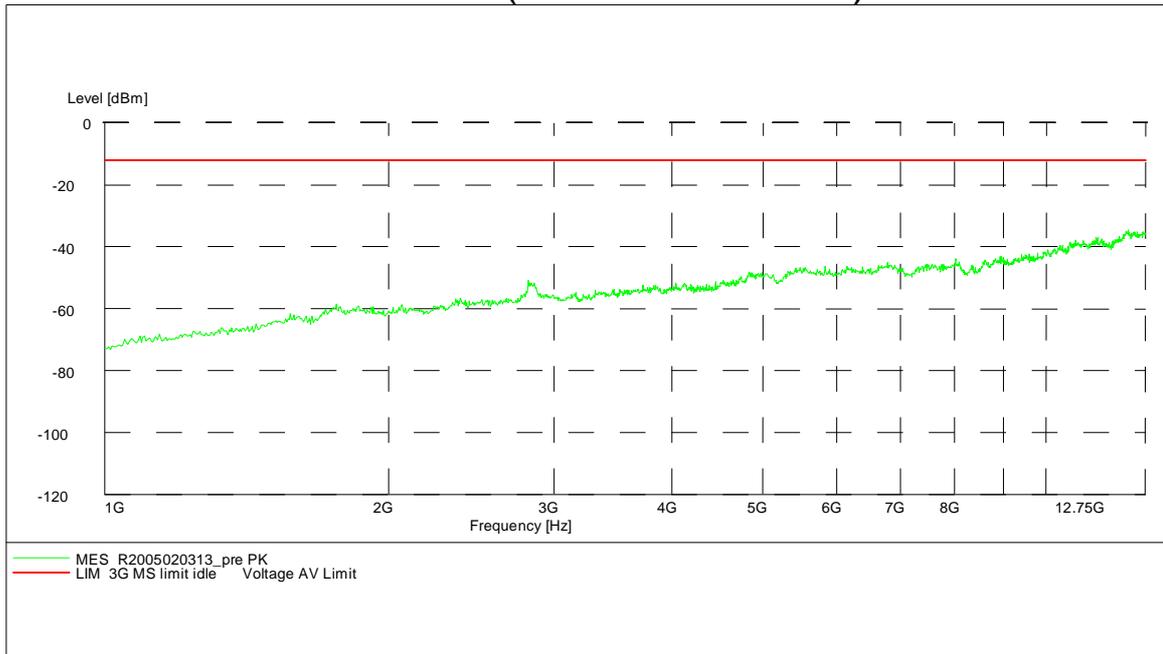
IDLE Mode (9kHz-30MHz)



IDLE Mode (30MHz-1GHz)



IDLE Mode (1GHz-12.75GHz)



Appendix F

Frequency Stability Measurements.

According to CFR 47 (FCC) part 2.1055 & 22.355



Frequency Stability versus Voltage

Voltage: 4.5V, Channel: 1013, Radio Configuration: RC 1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power			
	0.9951		2.5 Hz			-75.00			
		Time Error:		0.09 us		dBm/1.23 MHz			
		Carrier Feedthrough:		-45.51 dBc		Cell Band			
		Phase Error:		2.51 °		US Cellular			
		Magnitude Error:		5.55 %		Channel			
								1013	
								Protocol Rev	
								6 (IS-2000-0)	
								Radio Config	
								(Fud1, Rvs1)	
								S02 (Loopback)	
								FCH Service Option Setup ▾	
		Active Cell				Sys Type: IS-2000			
		Connected							
1 of 2			IntRef	Offset	T			1 of 4	



Voltage: 4.5V, Channel: 1013, Radio Configuration: RC 3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Parm		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9954		3.4 Hz				-101.00		
	Time Error: 0.09 us		Carrier Feedthrough: -49.58 dBc				dBm/1.23 MHz		
Numeric Rho	Phase Error: 3.03 °		Magnitude Error: 4.24 %				Cell Band		
	EVM: 6.80 %		Continuous				US Cellular		
Code Domain Power							Channel		
							1013		
Code Domain Power + Noise							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
							(Fud3, Rvs3)		
							S055 (Loopback)		
							FCH Service Option Setup ▾		
	Active Cell Connected				Sys Type: IS-2000				
1 of 2				IntRef	Offset	T			1 of 4



Voltage: 4.5V, Channel: 283, Radio Configuration: RC 1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho					Call Parm		
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power			
	0.9960		-4.0 Hz			-75.00			
		Time Error:		0.07 us		dBm/1.23 MHz			
		Carrier Feedthrough:		-50.16 dBc		Cell Band			
		Phase Error:		2.36 °		US Cellular			
		Magnitude Error:		4.94 %		Channel			
						283			
						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 2				IntRef	Offset	T			1 of 4



Voltage: 4.5V, Channel: 283, Radio Configuration: RC 3/3

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾		Rho		Frequency Error			Cell Power			
		0.9947		1.5 Hz			-101.00			
		Time Error: 0.07 us					dBm/1.23 MHz			
Numeric Rho		Carrier Feedthrough: -48.27 dBc					Cell Band			
		Phase Error: 2.72 °					US Cellular			
		Magnitude Error: 5.52 %					Channel			
Code Domain Pover		EVM: 7.30 %		Continuous			283			
							Protocol Rev			
Code Domain Pover + Noise							6 (IS-2000-0)			
							Radio Config			
							(Fud3, Rvs3)			
							S055 (Loopback)			
							FCH Service Option Setup ▾			
		Active Cell Connected			Sys Type: IS-2000					
1 of 2				IntRef	Offset	T			1 of 4	



Voltage: 4.5V, Channel: 777, Radio Configuration: RC 1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho					Call Parm		
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power			
	0.9944		-4.1 Hz			-75.00			
	Time Error:		0.09 us			dBm/1.23 MHz			
	Carrier Feedthrough:		-53.71 dBc			Cell Band			
	Phase Error:		2.25 °			US Cellular			
	Magnitude Error:		6.51 %			Channel			
			Continuous			777			
						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 2					IntRef	Offset	T		1 of 4



Voltage: 4.5V, Channel: 777, Radio Configuration: RC 3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9941		5.3 Hz				-101.00	
		Time Error: 0.09 us		Carrier Feedthrough: -49.82 dBc				dBm/1.23 MHz	
Numeric Rho		Phase Error: 2.60 °		Magnitude Error: 6.22 %				Cell Band	
		EVM: 7.70 %		Continuous				US Cellular	
Code Domain Power		Channel							
		777							
Code Domain Power + Noise		Protocol Rev							
		6 (IS-2000-0)							
		Radio Config							
		(Fud3, Rvs3)							
		S055 (Loopback)							
		FCH Service Option Setup ▾							
		Active Cell Connected				Sys Type: IS-2000			
1 of 2				IntRef	Offset	T			1 of 4



Voltage: 5.0V, Channel: 1013, Radio Configuration: RC 1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho					Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power			
	0.9960		0.8 Hz			-75.00			
	Time Error:		0.09 us			dBm/1.23 MHz			
	Carrier Feedthrough:		-45.24 dBc			Cell Band			
	Phase Error:		2.09 °			US Cellular			
	Magnitude Error:		5.21 %			Channel			
			Continuous			1013			
						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 2					IntRef	Offset	T		1 of 4



Voltage: 5.0V, Channel: 283, Radio Configuration: RC 1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Params			
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power				
	0.9960		0.4 Hz			-75.00				
		Time Error:		0.07 us		dBm/1.23 MHz				
		Carrier Feedthrough:		-57.26 dBc		Cell Band				
		Phase Error:		2.16 °		US Cellular				
		Magnitude Error:		5.18 %		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								
1 of 2			IntRef	Offset	T				1 of 4	



Voltage: 5.0V, Channel: 283, Radio Configuration: RC 3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9969		0.4 Hz				-101.00	
		Time Error: 0.07 us						dBm/1.23 MHz	
Numeric Rho		Carrier Feedthrough: -54.36 dBc						Cell Band	
		Phase Error: 2.49 °						US Cellular	
		Magnitude Error: 3.49 %						Channel	
Code Domain Power		EVM: 5.58 %						283	
								Protocol Rev	
								6 (IS-2000-0)	
Code Domain Power + Noise								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
		Active Cell Connected				Sys Type: IS-2000			
1 of 2									1 of 4



Voltage: 5.0V, Channel: 777, Radio Configuration: RC 1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		Cell Band	Channel
	0.9936		6.9 Hz				-75.00		US Cellular	777
		Time Error:		0.09 us				Protocol Rev		
		Carrier Feedthrough:		-44.40 dBc				6 (IS-2000-0)		
		Phase Error:		2.64 °				Radio Config		
		Magnitude Error:		6.65 %				(Fud1, Rvs1)		
								S02 (Loopback)		
								FCH Service Option Setup ▾		
		Active Cell Connected				Sys Type: IS-2000				
1 of 2				IntRef	Offset	T			1 of 4	



Voltage: 5.0V, Channel: 777, Radio Configuration: RC 3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9948		3.9 Hz				-101.00	
		Time Error: 0.09 us						dBm/1.23 MHz	
Numeric Rho		Carrier Feedthrough: -47.48 dBc						Cell Band	
		Phase Error: 2.87 °						US Cellular	
		Magnitude Error: 5.25 %						Channel	
Code Domain Power		EVM: 7.25 %		Continuous				777	
								Protocol Rev	
Code Domain Power + Noise								6 (IS-2000-0)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
		Active Cell Connected				Sys Type: IS-2000			
1 of 2				IntRef	Offset	T			1 of 4



Voltage: 5.5V, Channel: 1013, Radio Configuration: RC 1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Params			
Waveform Quality Setup ▾	Rho		0.9954			Frequency Error		-0.9 Hz		
	Time Error:		0.09 us			Carrier Feedthrough:		-49.03 dBc		
	Phase Error:		2.45 °			Magnitude Error:		5.37 %		
								Continuous		
								Cell Power		
								-75.00		
								dBm/1.23 MHz		
								Cell Band		
								US Cellular		
								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			
1 of 2					IntRef	Offset	T			1 of 4



Voltage: 5.5V, Channel: 283, Radio Configuration: RC1/1

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Parm		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9960		0.4 Hz				-75.00		
							dBm/1.23 MHz		
	Time Error:		0.07 us				Cell Band		
	Carrier Feedthrough:		-57.26 dBc				US Cellular		
	Phase Error:		2.16 °				Channel		
	Magnitude Error:		5.18 %				283		
			Continuous				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 2				IntRef	Offset	T			1 of 4



Voltage: 5.5V, Channel: 283, Radio Configuration: RC3/3

Measurement/Instrument Screen												
Control		Waveform Quality: Numeric Rho					Call Parm					
Waveform Quality Setup ▾		Rho		Frequency Error			Cell Power					
		0.9956		1.4 Hz			-101.00					
		Time Error:		0.07 us			dBm/1.23 MHz					
Numeric Rho		Carrier Feedthrough:		-46.22 dBc			Cell Band					
		Phase Error:		2.62 °			US Cellular					
		Magnitude Error:		4.78 %			Channel					
Code Domain Power		EVM:		6.63 %			283					
		Continuous										
Code Domain Power + Noise										Protocol Rev		
										6 (IS-2000-0)		
										Radio Config		
		(Fud3, Rvs3)										
		S055 (Loopback)										
		FCH Service Option Setup ▾										
		Active Cell Connected			Sys Type: IS-2000							
1 of 2				IntRef	Offset	T				1 of 4		



Voltage: 5.5V, Channel: 777, Radio Configuration: RC1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho					Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power			
	0.9963		4.0 Hz			-75.00			
	Time Error:		0.09 us			dBm/1.23 MHz			
	Carrier Feedthrough:		-45.55 dBc			Cell Band			
	Phase Error:		2.11 °			US Cellular			
	Magnitude Error:		5.00 %			Channel			
			Continuous			777			
						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 2					IntRef	Offset	T		1 of 4



Voltage: 5.5V, Channel: 777, Radio Configuration: RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9950		3.4 Hz				-101.00		
	Time Error:		0.09 us				dBm/1.23 MHz		
Numeric Rho	Carrier Feedthrough:		-50.37 dBc				Cell Band		
	Phase Error:		2.66 °				US Cellular		
	Magnitude Error:		5.39 %				Channel		
Code Domain Power	EVM:		7.09 %				777		
			Continuous				Protocol Rev		
Code Domain Power + Noise							6 (IS-2000-0)		
							Radio Config		
							(Fud3, Rvs3)		
							S055 (Loopback)		
							FCH Service Option Setup ▾		
							Active Cell Connected		
							Sys Type: IS-2000		
1 of 2			IntRef	Offset	T				1 of 4



Frequency Stability versus Temperature

Temperature: 50°C, Channel: 1013, Radio Configuration: RC1/1

Measurement/Instrument Screen													
Control		Waveform Quality: Numeric Rho					Call Params						
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power							
	0.9956		-0.1 Hz			-75.00							
		Time Error:		0.09 us		dBm/1.23 MHz							
		Carrier Feedthrough:		-48.23 dBc		Cell Band							
		Phase Error:		2.28 °		US Cellular							
		Magnitude Error:		5.40 %		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							
1 of 2						IntRef		Offset		T		1 of 4	



Temperature: 50°C, Channel: 283, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾	Rho		0.9957		Frequency Error		-0.1 Hz		
	Time Error:		0.07 us		Carrier Feedthrough:		-48.79 dBc		
	Phase Error:		2.45 °		Magnitude Error:		5.15 %		
							Continuous		
							Cell Power		
							-75.00		
							dBm/1.23 MHz		
							Cell Band		
							US Cellular		
							Channel		
						283			
						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 2					IntRef	Offset	T		
						1 of 4			



Temperature: 50°C, Channel: 283, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Parm	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9969		0.4 Hz				-101.00	
		Time Error: 0.07 us		Carrier Feedthrough: -54.36 dBc				dBm/1.23 MHz	
Numeric Rho		Phase Error: 2.49 °		Magnitude Error: 3.49 %				Cell Band	
		EVM: 5.58 %		Continuous				US Cellular	
Code Domain Power		Channel							
		283							
Code Domain Power + Noise		Protocol Rev							
		6 (IS-2000-0)							
		Radio Config							
		(Fud3, Rvs3)							
		S055 (Loopback)							
		FCH Service Option Setup ▾							
		Active Cell Connected				Sys Type: IS-2000			
1 of 2				IntRef	Offset	T			1 of 4



Temperature: 50°C, Channel: 777, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho						Call Parms		
Waveform Quality Setup ▾	Rho		0.9964			Frequency Error		-1.3 Hz		
	Time Error:		0.09 us			Carrier Feedthrough:		-57.95 dBc		
Phase Error:		2.20 °			Magnitude Error:		4.72 %		Cell Power	
									-75.00	
									dBm/1.23 MHz	
									Cell Band	
									US Cellular	
									Channel	
									777	
									Protocol Rev	
									6 (IS-2000-0)	
									Radio Config	
									(Fud1, Rus1)	
									S02 (Loopback)	
									FCH Service Option Setup ▾	
									Active Cell Connected	
									Sys Type: IS-2000	
1 of 2									1 of 4	



Temperature: 50°C, Channel: 777, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9956		-1.2 Hz				-101.00	
		Time Error: 0.09 us						dBm/1.23 MHz	
Numeric Rho		Carrier Feedthrough: -52.26 dBc						Cell Band	
		Phase Error: 2.34 °						US Cellular	
		Magnitude Error: 5.22 %						Channel	
Code Domain Power		EVM: 6.63 %						777	
								Protocol Rev	
								6 (IS-2000-0)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
		Active Cell Connected				Sys Type: IS-2000			
1 of 2				IntRef	Offset	T			1 of 4



Temperature: 40°C, Channel: 1013, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power			
	0.9960		4.6 Hz				-75.00			
		Time Error:		0.09 us		dBm/1.23 MHz				
		Carrier Feedthrough:		-46.69 dBc		Cell Band				
		Phase Error:		2.47 °		US Cellular				
		Magnitude Error:		4.80 %		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				
1 of 2				IntRef	Offset	T			1 of 4	



Temperature: 40°C, Channel: 1013, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9954		-0.9 Hz				-101.00	
		Time Error: 0.09 us						dBm/1.23 MHz	
Numeric Rho		Carrier Feedthrough: -50.56 dBc						Cell Band	
		Phase Error: 2.52 °						US Cellular	
		Magnitude Error: 5.16 %						Channel	
Code Domain Power		EVM: 6.79 %						1013	
								Protocol Rev	
								6 (IS-2000-0)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
		Active Cell Connected			Sys Type: IS-2000				
1 of 2			IntRef	Offset	T				1 of 4



Temperature: 40°C, Channel: 283, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾	Rho		0.9967		Frequency Error		4.9 Hz		
	Time Error:		0.07 us		Carrier Feedthrough:		-46.83 dBc		
	Phase Error:		2.49 °		Magnitude Error:		3.86 %		
							Continuous		
							Cell Power		
							-75.00		
							dBm/1.23 MHz		
							Cell Band		
							US Cellular		
							Channel		
						283			
						Protocol Rev			
						6 (IS-2000-0)			
						Radio Config			
						(Fud1, Rus1)			
						S02 (Loopback)			
						FCH Service Option Setup ▾			
						Active Cell Connected			
						Sys Type: IS-2000			
1 of 2				IntRef	Offset	T			1 of 4



Temperature: 40°C, Channel: 777, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power			
	0.9945		0.6 Hz				-75.00			
		Time Error:		0.09 us		dBm/1.23 MHz				
		Carrier Feedthrough:		-51.95 dBc		Cell Band				
		Phase Error:		2.15 °		US Cellular				
		Magnitude Error:		6.48 %		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				
1 of 2				IntRef	Offset	T				1 of 4



Temperature: 40°C, Channel: 777, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9955		1.9 Hz				-101.00	
		Time Error: 0.09 us						dBm/1.23 MHz	
Numeric Rho		Carrier Feedthrough: -59.59 dBc						Cell Band	
		Phase Error: 2.68 °						US Cellular	
		Magnitude Error: 4.81 %						Channel	
Code Domain Power		EVM: 6.72 %						777	
								Protocol Rev	
								6 (IS-2000-0)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
		Active Cell Connected			Sys Type: IS-2000				
1 of 2				IntRef	Offset	T			1 of 4



Temperature: 30°C, Channel: 1013, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Parm		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9951		2.5 Hz				-75.00		
	Time Error: 0.09 us						dBm/1.23 MHz		
	Carrier Feedthrough: -45.51 dBc						Cell Band		
	Phase Error: 2.51 °						US Cellular		
	Magnitude Error: 5.55 %						Channel		
	Continuous						1013		
							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 2			IntRef	Offset	T				1 of 4



Temperature: 30°C, Channel: 1013, Radio Configuration :RC3/3

Measurement/Instrument Screen										
Control	Waveform Quality: Numeric Rho						Call Params			
Waveform Quality Setup ▾	Rho 0.9956		Frequency Error 1.1 Hz				Cell Power	-101.00		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -48.79 dBc				dBm/1.23 MHz	Cell Band		
Code Domain Power	Phase Error: 2.35 °		Magnitude Error: 5.22 %				US Cellular	Channel		
Code Domain Power + Noise	EVM: 6.64 %		Continuous				1013	Protocol Rev		
							6 (IS-2000-0)	Radio Config		
							(Fud3, Rvs3)	S055 (Loopback)		
							FCH Service Option Setup ▾			
							Active Cell Connected	Sys Type: IS-2000		
1 of 2				IntRef	Offset	T				1 of 4



Temperature: 30°C, Channel: 283, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾	▾	Rho		Frequency Error				Cell Power	
		0.9951		-2.5 Hz				-75.00	
		Time Error:		0.07 us				dBm/1.23 MHz	
		Carrier Feedthrough:		-56.95 dBc				Cell Band	
		Phase Error:		2.50 °				US Cellular	
		Magnitude Error:		5.58 %				Channel	
				Continuous				283	
								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 2				IntRef		Offset		T	
								1 of 4	



Temperature: 30°C, Channel: 283, Radio Configuration :RC3/3

Measurement/Instrument Screen										
Control	Waveform Quality: Numeric Rho						Call Params			
Waveform Quality Setup ▾	Rho 0.9947		Frequency Error 0.4 Hz				Cell Power	-101.00		
Numeric Rho	Time Error: 0.07 us		Carrier Feedthrough: -54.91 dBc				Cell Band	US Cellular		
Code Domain Power	Phase Error: 2.79 °		Magnitude Error: 5.41 %				Channel	283		
Code Domain Power + Noise	EVM: 7.28 %		Continuous				Protocol Rev	6 (IS-2000-0)		
	Active Cell Connected		Sys Type: IS-2000				Radio Config	(Fud3, Rvs3)		
							S055 (Loopback)	FCH Service Option Setup ▾		
1 of 2			IntRef	Offset	T		1 of 4			



Temperature: 30°C, Channel: 777, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power			
	0.9942		-0.2 Hz				-75.00			
		Time Error:		0.09 us		dBm/1.23 MHz				
		Carrier Feedthrough:		-50.03 dBc		Cell Band				
		Phase Error:		2.05 °		US Cellular				
		Magnitude Error:		6.85 %		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				
1 of 2				IntRef	Offset	T			1 of 4	



Temperature: 30°C, Channel: 777, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9953		4.2 Hz				-101.00	
		Time Error:		0.09 us				dBm/1.23 MHz	
Numeric Rho		Carrier Feedthrough:		-51.39 dBc				Cell Band	
		Phase Error:		2.43 °				US Cellular	
		Magnitude Error:		5.39 %				Channel	
Code Domain Power		EVM:		6.87 %				777	
				Continuous				Protocol Rev	
Code Domain Power + Noise								6 (IS-2000-0)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
1 of 2				IntRef	Offset	T			1 of 4



Temperature: 20°C, Channel: 1013, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power			
	0.9958		2.0 Hz				-75.00			
		Time Error:		0.09 us		dBm/1.23 MHz				
		Carrier Feedthrough:		-50.32 dBc		Cell Band				
		Phase Error:		2.45 °		US Cellular				
		Magnitude Error:		5.00 %		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				
1 of 2				IntRef	Offset	T				1 of 4



Temperature: 20°C, Channel: 1013, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho 0.9954		Frequency Error 3.4 Hz				Cell Power		
	Time Error: 0.09 us		Carrier Feedthrough: -49.58 dBc				-101.00		
Numeric Rho	Phase Error: 3.03 °		Magnitude Error: 4.24 %				dBm/1.23 MHz		
	EVM: 6.80 %		Continuous				Cell Band		
Code Domain Power							US Cellular		
							Channel		
Code Domain Power + Noise							1013		
							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
							(Fud3, Rvs3)		
							S055 (Loopback)		
							FCH Service Option Setup ▾		
	Active Cell Connected		Sys Type: IS-2000						
1 of 2			IntRef	Offset	T				1 of 4



Temperature: 20°C, Channel: 283, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9957		-0.1 Hz				-75.00		
	Time Error:		0.07 us				dBm/1.23 MHz		
	Carrier Feedthrough:		-48.79 dBc				Cell Band		
	Phase Error:		2.45 °				US Cellular		
	Magnitude Error:		5.15 %				Channel		
							283		
							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 2					IntRef	Offset	T		1 of 4



Temperature: 20°C, Channel: 283, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho							Call Params	
Waveform Quality Setup ▾	Rho 0.9954		Frequency Error 0.1 Hz					Cell Power	
Numeric Rho	Time Error: 0.07 us		Carrier Feedthrough: -47.66 dBc					-101.00	
Code Domain Power	Phase Error: 2.29 °		Magnitude Error: 5.51 %					dBm/1.23 MHz	
Code Domain Power + Noise	EVM: 6.79 %		Continuous					Cell Band	
								US Cellular	
								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					
1 of 2			IntRef	Offset	T				1 of 4



Temperature: 20°C, Channel: 777, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾	▾	Rho		Frequency Error				Cell Power	
		0.9964		-1.3 Hz				-75.00	
		Time Error:		0.09 us				dBm/1.23 MHz	
		Carrier Feedthrough:		-57.95 dBc				Cell Band	
		Phase Error:		2.20 °				US Cellular	
		Magnitude Error:		4.72 %				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			
1 of 2				IntRef	Offset	T			1 of 4



Temperature: 20°C, Channel: 777, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9943		1.6 Hz				-101.00	
		Time Error: 0.09 us						dBm/1.23 MHz	
Numeric Rho		Carrier Feedthrough: -56.13 dBc						Cell Band	
		Phase Error: 3.13 °						US Cellular	
		Magnitude Error: 5.30 %						Channel	
Code Domain Power		EVM: 7.57 %						777	
								Protocol Rev	
								6 (IS-2000-0)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
		Active Cell Connected			Sys Type: IS-2000				
1 of 2				IntRef	Offset	T			1 of 4



Temperature: 10°C, Channel: 1013, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾	▾	Rho		Frequency Error				Cell Power	
		0.9958		5.5 Hz				-75.00	
		Time Error:		0.09 us				dBm/1.23 MHz	
		Carrier Feedthrough:		-48.98 dBc				Cell Band	
		Phase Error:		2.16 °				US Cellular	
		Magnitude Error:		5.35 %				Channel	
				Continuous				1013	
								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 2				IntRef	Offset	T			1 of 4



Temperature: 10°C, Channel: 1013, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9956		1.1 Hz				-101.00		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -48.79 dBc				dBm/1.23 MHz		
	Phase Error: 2.35 °		Magnitude Error: 5.22 %				Cell Band		
Code Domain Power	EVM: 6.64 %		Continuous				US Cellular		
							Channel		
Code Domain Power + Noise							1013		
							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
							(Fud3, Rvs3)		
							S055 (Loopback)		
							FCH Service Option Setup ▾		
			Active Cell Connected			Sys Type: IS-2000			
1 of 2			IntRef	Offset	T				1 of 4



Temperature: 10°C, Channel: 283, Radio Configuration :RC1/1

Measurement/Instrument Screen											
Control		Waveform Quality: Numeric Rho						Call Parm			
Waveform Quality Setup ▾	Rho		0.9962		Frequency Error		1.3 Hz		Cell Power		
	Time Error:		0.07 us		Carrier Feedthrough:		-45.62 dBc		-75.00		
	Phase Error:		2.33 °		Magnitude Error:		4.80 %		dBm/1.23 MHz		
									Cell Band		
									US Cellular		
									Channel		
									283		
									Protocol Rev		
									6 (IS-2000-0)		
									Radio Config		
								(Fud1, Rvs1)			
								S02 (Loopback)			
								FCH Service Option Setup ▾			
1 of 2										1 of 4	



Temperature: 10°C, Channel: 283, Radio Configuration :RC3/3

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾		Rho		Frequency Error			Cell Power			
		0.9956		1.4 Hz			-101.00			
		Time Error: 0.07 us		Carrier Feedthrough: -46.22 dBc			dBm/1.23 MHz			
Numeric Rho		Phase Error: 2.62 °		Magnitude Error: 4.78 %			Cell Band			
		EVM: 6.63 %		Continuous			US Cellular			
Code Domain Power										Channel
										283
Code Domain Power + Noise										Protocol Rev
										6 (IS-2000-0)
										Radio Config
										(Fud3, Rvs3)
										S055 (Loopback)
										FCH Service Option Setup ▾
		Active Cell Connected				Sys Type: IS-2000				
1 of 2				IntRef	Offset	T				1 of 4



Temperature: 10°C, Channel: 777, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho							Call Params	
Waveform Quality Setup ▾	Rho		Frequency Error					Cell Power	
	0.9956		2.2 Hz					-75.00	
	Time Error:		0.09 us					dBm/1.23 MHz	
	Carrier Feedthrough:		-45.68 dBc					Cell Band	
	Phase Error:		2.13 °					US Cellular	
	Magnitude Error:		5.60 %					Channel	
								777	
								Protocol Rev	
								6 (IS-2000-0)	
								Radio Config	
								(Fud1, Rvs1)	
								S02 (Loopback)	
								FCH Service Option Setup ▾	
	Active Cell			Sys Type: IS-2000					
	Connected								
1 of 2			IntRef	Offset	T				1 of 4



Temperature: 10°C, Channel: 777, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9936		-0.6 Hz				-101.00	
Numeric Rho		Time Error: 0.09 us		Carrier Feedthrough: -50.76 dBc				dBm/1.23 MHz	
		Phase Error: 2.84 °		Magnitude Error: 6.28 %				Cell Band	
Code Domain Power		EVM: 8.02 %		Continuous				US Cellular	
								Channel	
Code Domain Power + Noise								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					
								1 of 4	



Temperature: 0°C, Channel: 1013, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9958		5.5 Hz				-75.00		
							dBm/1.23 MHz		
	Time Error: 0.09 us						Cell Band		
	Carrier Feedthrough: -48.98 dBc						US Cellular		
	Phase Error: 2.16 °						Channel		
	Magnitude Error: 5.35 %						1013		
							Protocol Rev		
	Continuous						6 (IS-2000-0)		
							Radio Config		
						(Fud1, Rvs1)			
						S02 (Loopback)			
						FCH Service Option Setup ▾			
		Active Cell Connected			Sys Type: IS-2000				
1 of 2			IntRef	Offset	T				1 of 4



Temperature: 0°C, Channel: 1013, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho 0.9954		Frequency Error 3.4 Hz				Cell Power		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -49.58 dBc				-101.00		
Code Domain Power	Phase Error: 3.03 °		Magnitude Error: 4.24 %				dBm/1.23 MHz		
Code Domain Power + Noise	EVM: 6.80 %		Continuous				Cell Band		
							US Cellular		
							Channel		
							1013		
							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
							(Fud3, Rvs3)		
							S055 (Loopback)		
							FCH Service Option Setup ▾		
			Active Cell Connected			Sys Type: IS-2000			
1 of 2			IntRef	Offset	T				1 of 4



Temperature: 0°C, Channel: 283, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power			
	0.9967		4.9 Hz				-75.00			
		Time Error:		0.07 us		dBm/1.23 MHz				
		Carrier Feedthrough:		-46.83 dBc		Cell Band				
		Phase Error:		2.49 °		US Cellular				
		Magnitude Error:		3.86 %		Channel				
								283		
								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 2				IntRef	Offset	T			1 of 4	



Temperature: 0°C, Channel: 283, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9947		0.4 Hz				-101.00	
		Time Error: 0.07 us						dBm/1.23 MHz	
Numeric Rho		Carrier Feedthrough: -54.91 dBc						Cell Band	
		Phase Error: 2.79 °						US Cellular	
		Magnitude Error: 5.41 %						Channel	
Code Domain Power		EVM: 7.28 %		Continuous				283	
								Protocol Rev	
Code Domain Power + Noise								6 (IS-2000-0)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
		Active Cell Connected				Sys Type: IS-2000			
1 of 2			IntRef	Offset	T				1 of 4



Temperature: 0°C, Channel: 777, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power			
	0.9944		-4.1 Hz				-75.00		dBm/1.23 MHz	
		Time Error:		0.09 us		Cell Band				
		Carrier Feedthrough:		-53.71 dBc		US Cellular				
		Phase Error:		2.25 °		Channel				
		Magnitude Error:		6.51 %		777				
		Continuous						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 2				IntRef	Offset	T			1 of 4	



Temperature: 0°C, Channel: 777, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho 0.9953		Frequency Error 4.2 Hz				Cell Power	
Numeric Rho		Time Error: 0.09 us		Carrier Feedthrough: -51.39 dBc				-101.00	
Code Domain Power		Phase Error: 2.43 °		Magnitude Error: 5.39 %				dBm/1.23 MHz	
Code Domain Power + Noise		EVM: 6.87 %		Continuous				Cell Band	
								US Cellular	
								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			
				IntRef Offset T				1 of 4	



Temperature: -10°C, Channel: 1013, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9953		-1.8 Hz				-75.00		
	Time Error:		0.09 us				dBm/1.23 MHz		
	Carrier Feedthrough:		-46.99 dBc				Cell Band		
	Phase Error:		2.59 °				US Cellular		
	Magnitude Error:		5.27 %				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				
1 of 2					IntRef	Offset	T		1 of 4



Temperature: -10°C, Channel: 1013, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9953		-6.2 Hz				-101.00		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -47.77 dBc				dBm/1.23 MHz		
	Phase Error: 2.30 °		Magnitude Error: 5.61 %				Cell Band		
Code Domain Power	EVM: 6.89 %		Continuous				US Cellular		
							Channel		
Code Domain Power + Noise							1013		
							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
							(Fud3, Rvs3)		
							S055 (Loopback)		
							FCH Service Option Setup ▾		
			Active Cell Connected			Sys Type: IS-2000			
1 of 2			IntRef	Offset	T				1 of 4



Temperature: -10°C, Channel: 283, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho 0.9966		Frequency Error -0.3 Hz				Cell Power		
	Time Error: 0.07 us		Carrier Feedthrough: -63.66 dBc				-101.00		
Numeric Rho	Phase Error: 2.42 °		Magnitude Error: 4.03 %				dBm/1.23 MHz		
	EVM: 5.84 %		Continuous				Cell Band		
Code Domain Power							US Cellular		
							Channel		
Code Domain Power + Noise							283		
							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
							(Fud3, Rvs3)		
							S055 (Loopback)		
							FCH Service Option Setup ▾		
	Active Cell Connected		Sys Type: IS-2000						
1 of 2			IntRef	Offset	T				1 of 4



Temperature: -10°C, Channel: 777, Radio Configuration :RC3/3

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾		Rho		Frequency Error			Cell Power			
		0.9956		-1.2 Hz			-101.00			
		Time Error: 0.09 us		Carrier Feedthrough: -52.26 dBc			dBm/1.23 MHz			
Numeric Rho		Phase Error: 2.34 °		Magnitude Error: 5.22 %			Cell Band			
		EVM: 6.63 %		Continuous			US Cellular			
Code Domain Power		Channel								
		777								
Code Domain Power + Noise		Protocol Rev								
		6 (IS-2000-0)								
		Radio Config								
		(Fud3, Rvs3)								
		S055 (Loopback)								
		FCH Service Option Setup ▾								
		Active Cell Connected			Sys Type: IS-2000					
1 of 2				IntRef	Offset	T				1 of 4



Temperature: -20°C, Channel: 1013, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power				
	0.9951		2.5 Hz			-75.00				
	Time Error:		0.09 us			dBm/1.23 MHz				
	Carrier Feedthrough:		-45.51 dBc			Cell Band				
	Phase Error:		2.51 °			US Cellular				
	Magnitude Error:		5.55 %			Channel				
			Continuous			1013				
						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 2				IntRef	Offset	T			1 of 4	



Temperature: -20°C, Channel: 1013, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho 0.9952		Frequency Error -2.1 Hz				Cell Power		
	Time Error: 0.09 us		Carrier Feedthrough: -47.67 dBc				-101.00		
Numeric Rho	Phase Error: 2.89 °		Magnitude Error: 4.84 %				dBm/1.23 MHz		
	EVM: 6.98 %		Continuous				Cell Band		
Code Domain Power							US Cellular		
							Channel		
Code Domain Power + Noise							1013		
							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
							(Fud3, Rvs3)		
							S055 (Loopback)		
							FCH Service Option Setup ▾		
			Active Cell Connected			Sys Type: IS-2000			
1 of 2				IntRef	Offset	T			1 of 4



Temperature: -20°C, Channel: 283, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾	Rho		0.9950			Frequency Error		-1.5 Hz		
	Time Error:		0.07 us			Carrier Feedthrough:		-51.96 dBc		
	Phase Error:		2.64 °			Magnitude Error:		5.42 %		
								Continuous		
								Cell Power		
								-75.00		
								dBm/1.23 MHz		
								Cell Band		
								US Cellular		
								Channel		
							283			
							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 2					IntRef	Offset	T			1 of 4



Temperature: -20°C, Channel: 283, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9954		0.1 Hz				-101.00		
Numeric Rho	Time Error: 0.07 us		Carrier Feedthrough: -47.66 dBc				dBm/1.23 MHz		
	Phase Error: 2.29 °		Magnitude Error: 5.51 %				Cell Band		
Code Domain Power	EVM: 6.79 %		Continuous				US Cellular		
							Channel		
Code Domain Power + Noise							283		
							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
							(Fud3, Rvs3)		
							S055 (Loopback)		
							FCH Service Option Setup ▾		
			Active Cell Connected			Sys Type: IS-2000			
1 of 2				IntRef	Offset	T			1 of 4



Temperature: -20°C, Channel: 777, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power				
	0.9944		-4.1 Hz			-75.00				
	Time Error:		0.09 us			dBm/1.23 MHz				
	Carrier Feedthrough:		-53.71 dBc			Cell Band				
	Phase Error:		2.25 °			US Cellular				
	Magnitude Error:		6.51 %			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					
1 of 2					IntRef	Offset	T			1 of 4



Temperature: -20°C, Channel: 777, Radio Configuration :RC3/3

Measurement/Instrument Screen											
Control		Waveform Quality: Numeric Rho						Call Params			
Waveform Quality Setup ▾		Rho 0.9948		Frequency Error 3.9 Hz				Cell Power			
		Time Error: 0.09 us		Carrier Feedthrough: -47.48 dBc				-101.00			
Numeric Rho		Phase Error: 2.87 °		Magnitude Error: 5.25 %				dBm/1.23 MHz			
		EVM: 7.25 %		Continuous				Cell Band			
Code Domain Power										US Cellular	
										Channel	
										777	
Code Domain Power + Noise										Protocol Rev	
										6 (IS-2000-0)	
										Radio Config	
										(Fud3, Rvs3)	
										S055 (Loopback)	
										FCH Service Option Setup ▾	
		Active Cell Connected				Sys Type: IS-2000					
1 of 2				IntRef	Offset	T				1 of 4	



Temperature: -30°C, Channel: 1013, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho					Call Parm		
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power			
	0.9958		5.5 Hz			-75.00			
	Time Error:		0.09 us			dBm/1.23 MHz			
	Carrier Feedthrough:		-48.98 dBc			Cell Band			
	Phase Error:		2.16 °			US Cellular			
	Magnitude Error:		5.35 %			Channel			
			Continuous			1013			
						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				
								1 of 4	



Temperature: -30°C, Channel: 1013, Radio Configuration :RC3/3

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power				
	0.9951		1.3 Hz			-101.00				
Numeric Rho	Time Error:		0.09 us			dBm/1.23 MHz				
	Carrier Feedthrough:		-53.17 dBc			Cell Band				
Code Domain Power	Phase Error:		2.43 °			US Cellular				
	Magnitude Error:		5.55 %			Channel				
Code Domain Power + Noise	EVM:		7.00 %			1013				
			Continuous			Protocol Rev				
					6 (IS-2000-0)					
					Radio Config					
					(Fud3, Rvs3)					
					S055 (Loopback)					
					FCH Service Option Setup ▾					
					Active Cell Connected					
					Sys Type: IS-2000					
1 of 2					IntRef	Offset	T			1 of 4



Temperature: -30°C, Channel: 283, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾	Rho		0.9960			Frequency Error		-1.5 Hz		
	Time Error:		0.07 us			Carrier Feedthrough:		-49.64 dBc		
	Phase Error:		2.46 °			Magnitude Error:		4.78 %		
								Continuous		
								Cell Power		
								-75.00		
								dBm/1.23 MHz		
								Cell Band		
								US Cellular		
								Channel		
							283			
							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 2					IntRef	Offset	T			1 of 4



Temperature: -30°C, Channel: 283, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9959		4.9 Hz				-101.00		
	Time Error: 0.07 us		Carrier Feedthrough: -54.03 dBc				dBm/1.23 MHz		
Numeric Rho	Phase Error: 2.83 °		Magnitude Error: 4.05 %				Cell Band		
	EVM: 6.40 %		Continuous				US Cellular		
Code Domain Power							Channel		
							283		
Code Domain Power + Noise							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
							(Fud3, Rvs3)		
							S055 (Loopback)		
							FCH Service Option Setup ▾		
	Active Cell Connected			Sys Type: IS-2000					
1 of 2			IntRef	Offset	T				1 of 4



Temperature: -30°C, Channel: 777, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power				
	0.9944		-4.1 Hz			-75.00				
	Time Error:		0.09 us			dBm/1.23 MHz				
	Carrier Feedthrough:		-53.71 dBc			Cell Band				
	Phase Error:		2.25 °			US Cellular				
	Magnitude Error:		6.51 %			Channel				
			Continuous			777				
						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 2					IntRef	Offset	T			1 of 4



Temperature: -30°C, Channel: 777, Radio Configuration :RC3/3

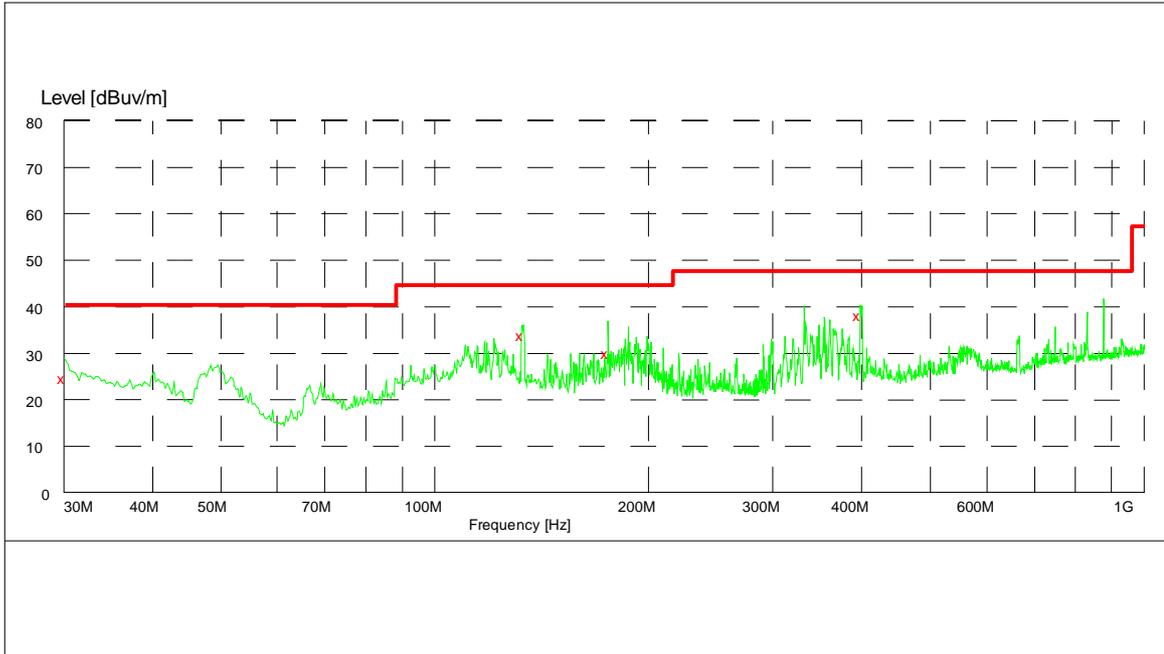
Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho 0.9941		Frequency Error 5.3 Hz				Cell Power		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -49.82 dBc				-101.00		
Code Domain Power	Phase Error: 2.60 °		Magnitude Error: 6.22 %				dBm/1.23 MHz		
Code Domain Power + Noise	EVM: 7.70 %		Continuous				Cell Band		
							US Cellular		
							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			
1 of 2			IntRef	Offset	T				1 of 4



Appendix H

Radiated Emission of Enclosure in Idle Mode

According to CFR 47 (FCC) part 15.109



Frequency (MHz)	Level (dB μ V/m)	Transd (dB)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
133.2	34	-8.8	43.5	9.5	263	81	HORIZONTAL
175.2	30.2	-10.8	43.5	13.3	181	152	HORIZONTAL
397.5	38.4	-4.1	46.0	7.6	100	124.0	HORIZONTAL

”



Appendix I

Photos of Test Setup

1 Radiated Emissions



Radiated Disturbance

2 Radiated Spurious Emissions



Radiated Spurious Disturbance (below 1GHz)



Radiated Spurious Disturbance (above 1GHz)