

Appendix A

Channel Power Measurement

According to CFR 47 (FCC) part 2.1046 & 22.913

Channel 1013 (RC1/1)

Measurement/Instrument Screen									
Control		Maximum/Minimum Power						Call Parms	
Max/Min Power Setup ▾		Maximum Power		Minimum Power				Cell Power	
		24.62		-63.78				-25.00	
		dBm		dBm/1.23 MHz				dBm/1.23 MHz	
Maximum Power Setup ▾								Cell Band	
								US Cellular	
Minimum Power Setup ▾								Channel	
								1013	
								Protocol Rev	
								6 (IS-2000-0)	
								Radio Config	
								(Fud1, Rvs1)	
								S02 (Loopback)	
								FCH Service Option Setup ▾	
		Active Cell Connected			Sys Type: IS-2000				
1 of 2				IntRef	Offset				1 of 4

Channel 1013 (RC3/3)

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>24.57</p> <p>dBm</p> </div> <div style="text-align: center;"> <p>Minimum Power</p> <p>-63.80</p> <p>dBm/1.23 MHz</p> </div> </div>						Cell Power		
Maximum Power Setup ▾							-25.00		
Minimum Power Setup ▾							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			Sys Type: IS-2000				
		Connected							
1 of 2				IntRef	Offset				1 of 4

Channel 283 (RC1/1)

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>24.41</p> <p>dBm</p> </div> <div style="text-align: center;"> <p>Minimum Power</p> <p>-63.57</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			
							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										1 of 4

Channel 283 (RC3/3)

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>24.42</p> <p>dBm</p> </div> <div style="text-align: center;"> <p>Minimum Power</p> <p>-63.67</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		
							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									

Channel 777 (RC1/1)

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>24.33</p> <p>dBm</p> </div> <div style="text-align: center;"> <p>Minimum Power</p> <p>-61.63</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		
							777		
							Protocol Rev		
							6 (IS-2000-0)		
							Radio Config		
							(Fud1, Rvs1)		
							S02 (Loopback)		
							FCH Service Option Setup ▾		
				Active Cell			Sys Type: IS-2000		
				Connected					
				IntRef	Offset				
							1 of 4		

Channel 777 (RC3/3)

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>24.38</p> <p>dBm</p> </div> <div style="text-align: center;"> <p>Minimum Power</p> <p>-61.78</p> <p>dBm/1.23 MHz</p> </div> </div>						Cell Power		
Maximum Power Setup ▾							-25.00		
Minimum Power Setup ▾							dBm/1.23 MHz		
	Single						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				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		Frequency Error			Cell 1 Power				
	0.9984		-0.4 Hz			-75.00				
	Time Error: 0.12 us		Carrier Feedthrough: -44.55 dBc			dBm/1.23 MHz				
	Phase Error: 1.76 °		Magnitude Error: 2.59 %			Cell Band				
	Continuous					US Cellular				
						Channel				
						1013				
						Protocol Rev				
						6 (IS-2000)				
						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 3	

Channel 1013 (RC3/3)

Measurement/Instrument Screen								
Control	Waveform Quality: Numeric Rho				Call Params			
Waveform Quality Setup ▾	Rho 0.9946	Frequency Error -0.6 Hz						
Numeric Rho	Time Error: 0.13 us Carrier Feedthrough: -52.50 dBc Phase Error: 2.46 ° Magnitude Error: 5.96 % EVN: 7.37 %							
Code Domain Power					Continuous			
Code Domain Power + Noise								
			Active Cell		Sys Type: IS-2000			
			Connected		Logging: No Conn.			
			IntRef	Offset				
1 of 2					1 of 3			

Channel 283 (RC1/1)

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho 0.9957		Frequency Error -1.1 Hz				Cell 1 Power		
							-75.00		
							dBm/1.23 MHz		
							Cell Band		
							US Cellular		
							Channel		
							283		
							Protocol Rev		
							6 (IS-2000)		
							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 3

Channel 283 (RC3/3)

Measurement/Instrument Screen								
Control	Waveform Quality: Numeric Rho				Call Params			
Waveform Quality Setup ▾	Rho 0.9963	Frequency Error 0.6 Hz		Cell 1 Power -101.00 dBm/1.23 MHz				
Numeric Rho	Time Error: -0.16 us Carrier Feedthrough: -53.24 dBc Phase Error: 2.39 ° Magnitude Error: 4.49 % EVN: 6.13 %		Cell Band US Cellular		Channel 283			
Code Domain Power	Continuous				Protocol Rev 6 (IS-2000)			
Code Domain Power + Noise					Radio Config (Fud3, Rvs3) S055 (Loopback)			
1 of 2					Active Cell Connected		Sys Type: IS-2000 Logging: No Conn.	
					IntRef	Offset		
					FCH Service Option Setup ▾			
					1 of 3			

Channel 777(RC1/1)

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho 0.9972		Frequency Error 0.2 Hz				Cell 1 Power -75.00		
							dBm/1.23 MHz		
	Time Error: -0.13 us						Cell Band US Cellular		
	Carrier Feedthrough: -46.20 dBc						Channel 777		
	Phase Error: 2.05 °						Protocol Rev 6 (IS-2000)		
	Magnitude Error: 3.99 %						Radio Config (Fud1, Rvs1)		
			Continuous				S02 (Loopback)		
			Active Cell Connected		Sys Type: IS-2000			FCH Service Option Setup ▾	
					Logging: No Conn.				
1 of 2			IntRef	Offset					1 of 3

Channel 777(RC3/3)

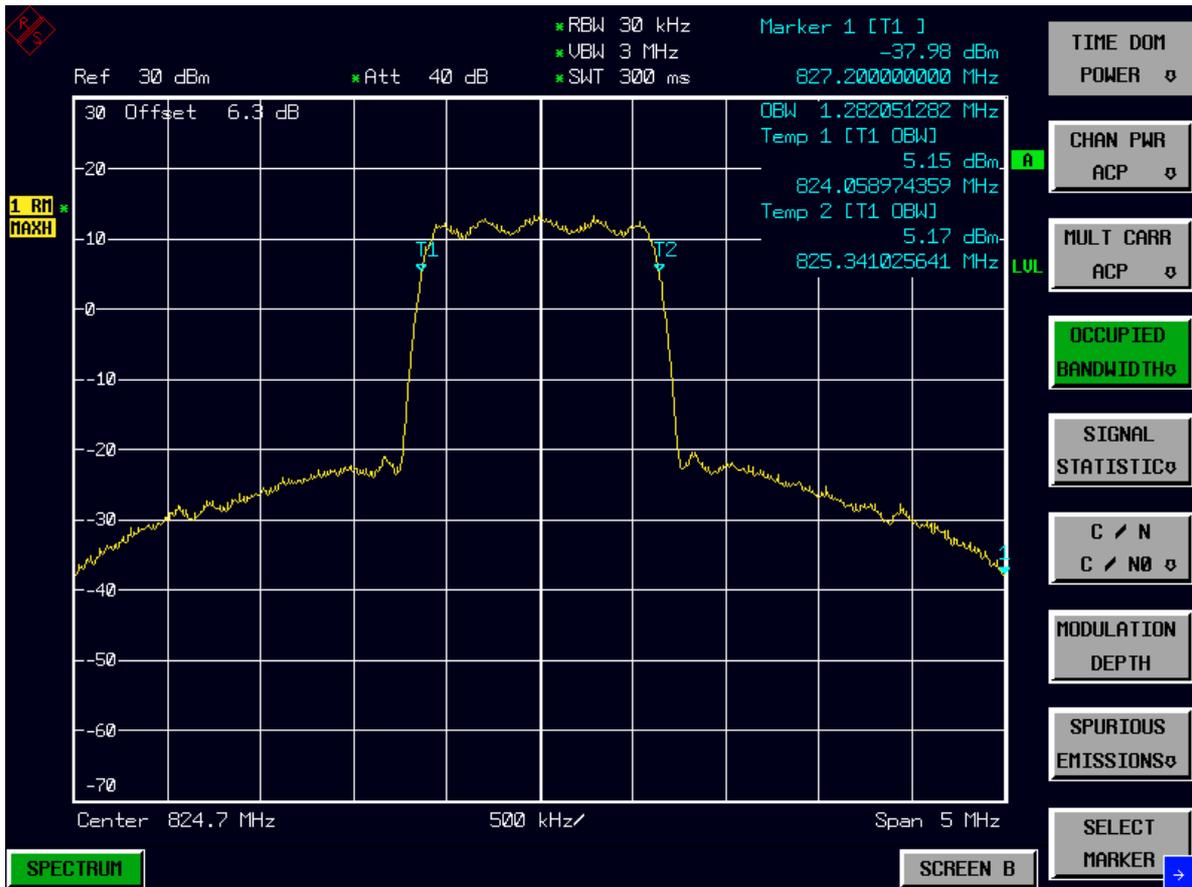
Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho 0.9966		Frequency Error 1.4 Hz				Cell 1 Power -101.00 dBm/1.23 MHz		
Numeric Rho	Time Error: -0.14 us		Carrier Feedthrough: -51.87 dBc				Cell Band US Cellular		
Code Domain Power	Phase Error: 2.02 °		Magnitude Error: 4.66 %				Channel 777		
Code Domain Power + Noise	EVM: 5.85 %		Continuous				Protocol Rev 6 (IS-2000)		
1 of 2	Active Cell Connected		Sys Type: IS-2000			Logging: No Conn.			FCH Service Option Setup ▾
	IntRef	Offset							1 of 3

Appendix C

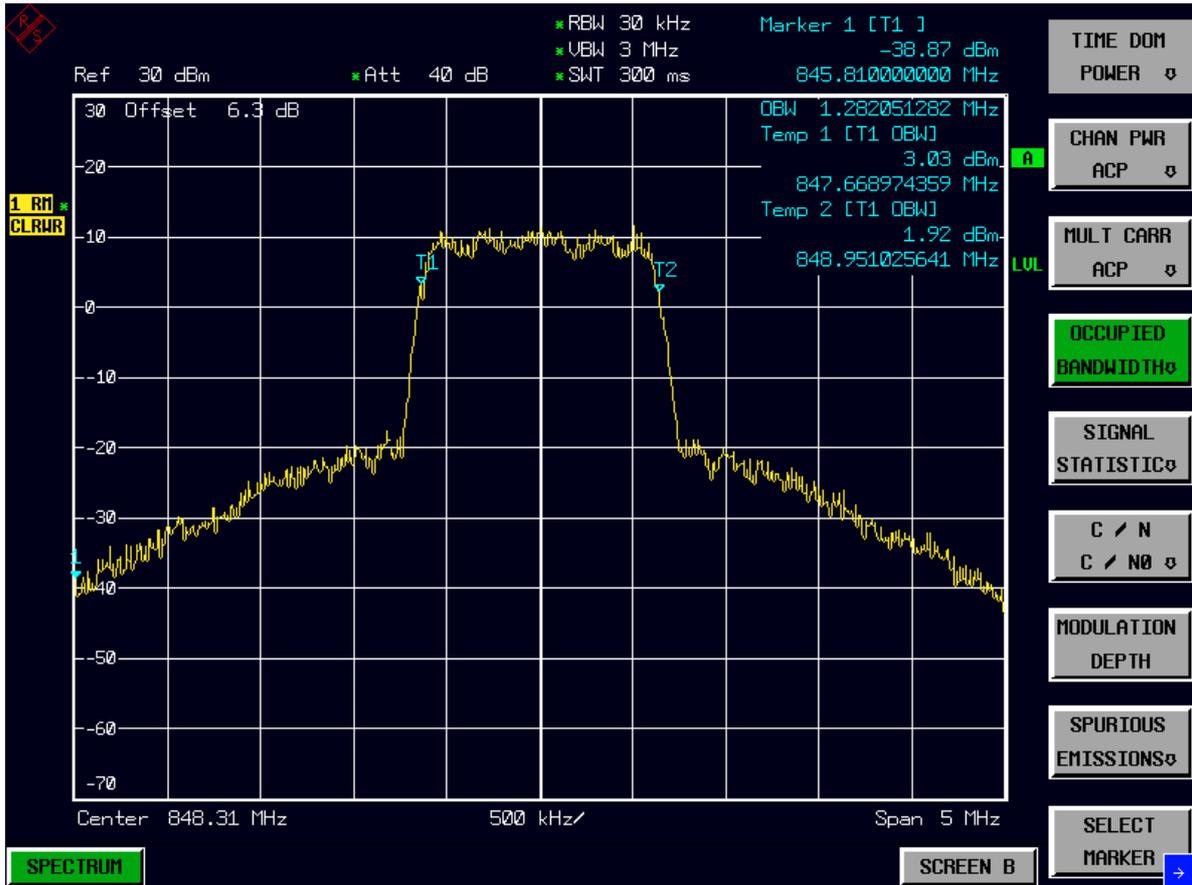
Occupied Bandwidth Measurement

According to CFR 47 (FCC) part 2.1049

Channel 1013



Channel 777



Appendix D

Spurious Emission at Antenna Terminal

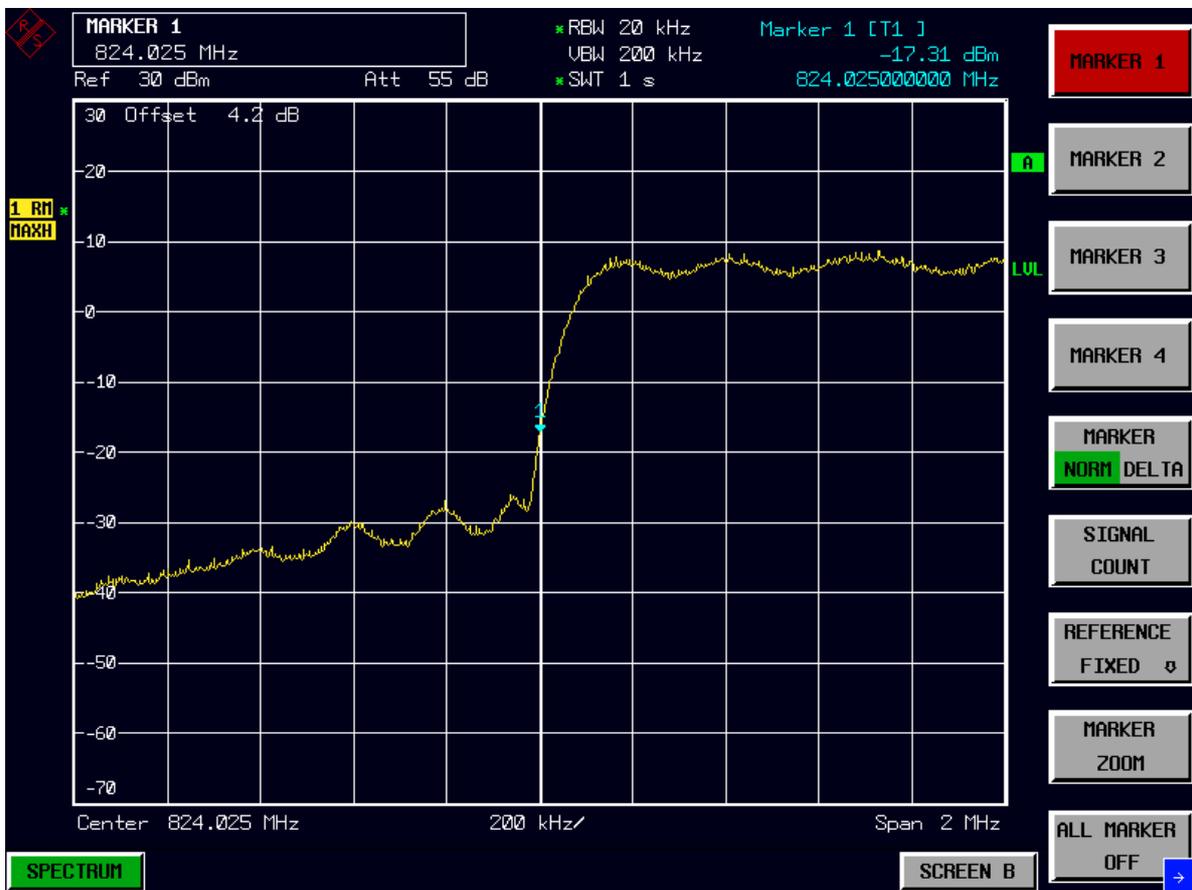
According to CFR 47 (FCC) part 2.1051 & 22.917(e)

1 Measurement Results at Block Edges

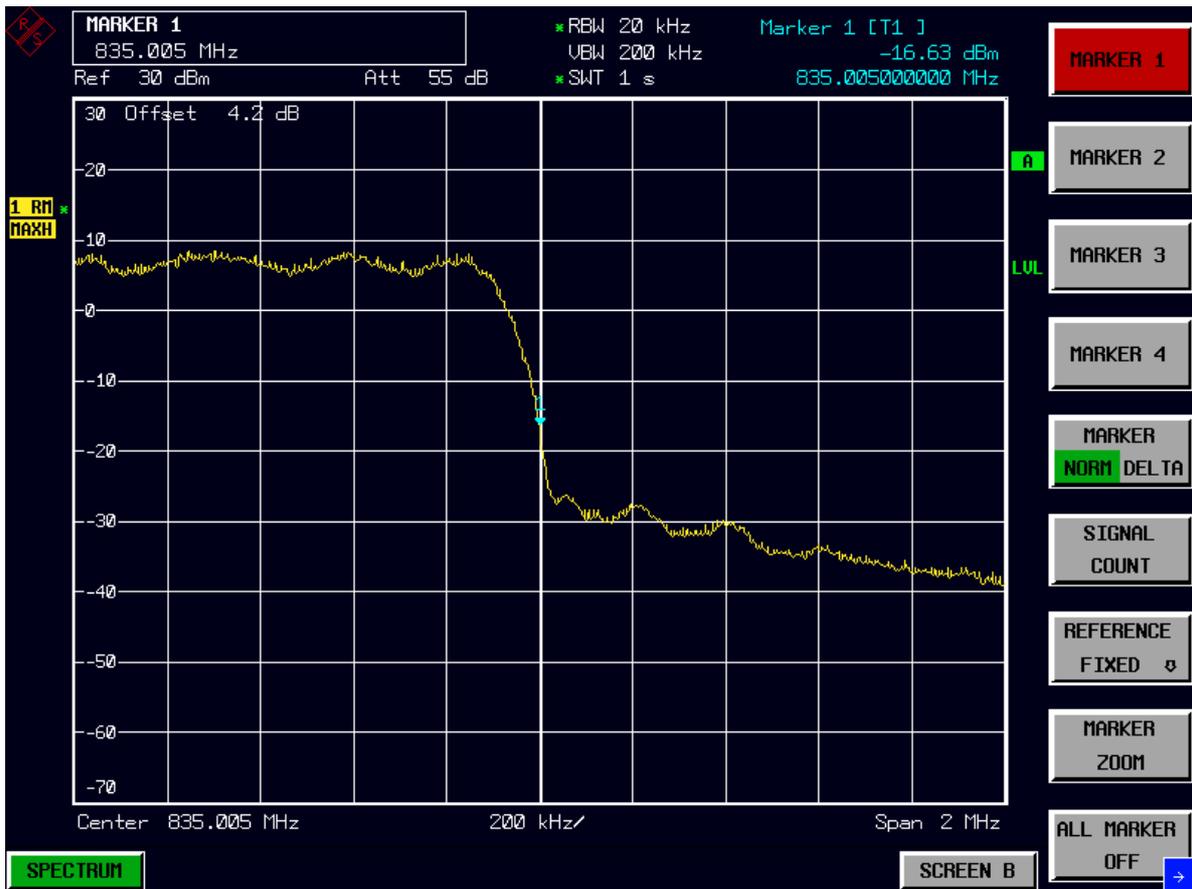
1.1 Band Subclass 0

1.1.1 RC1

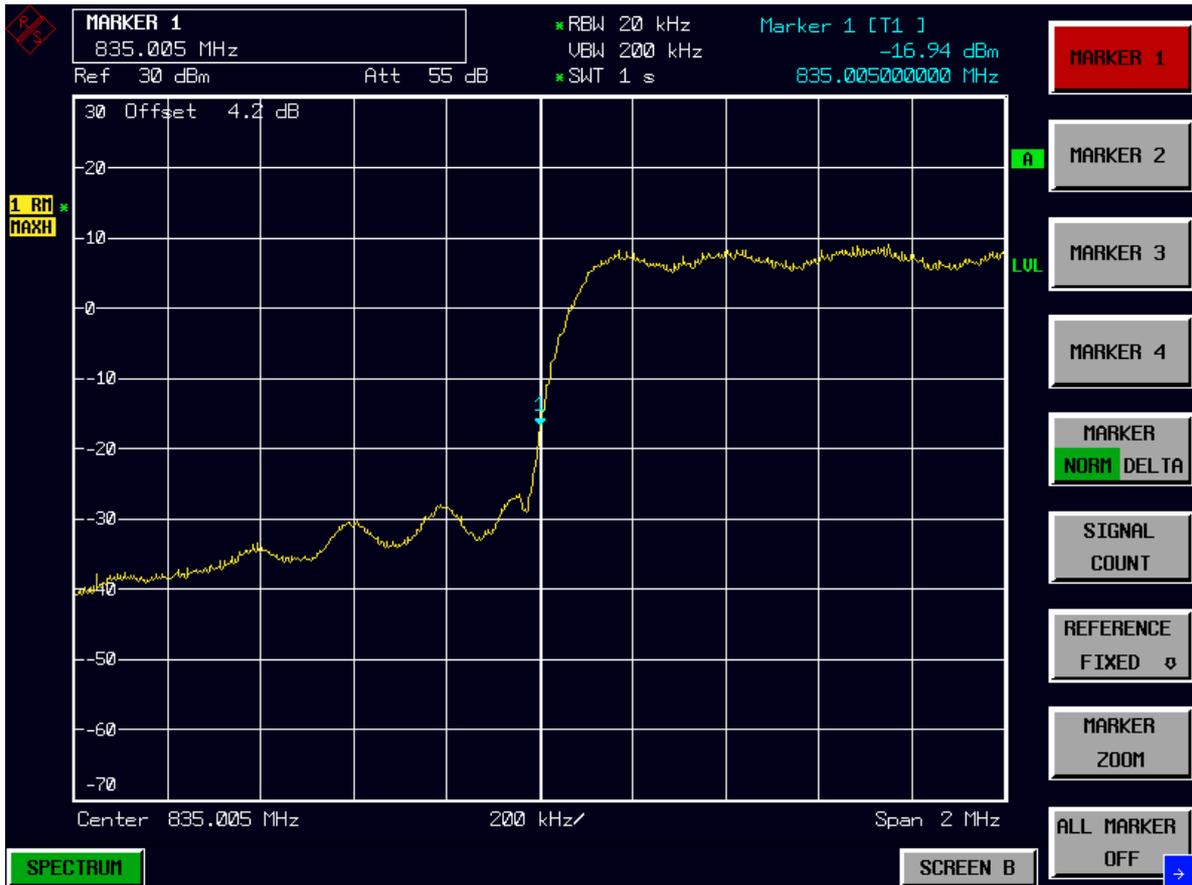
Block A” and A, Left Edge (824.025MHz)
Channel 1013



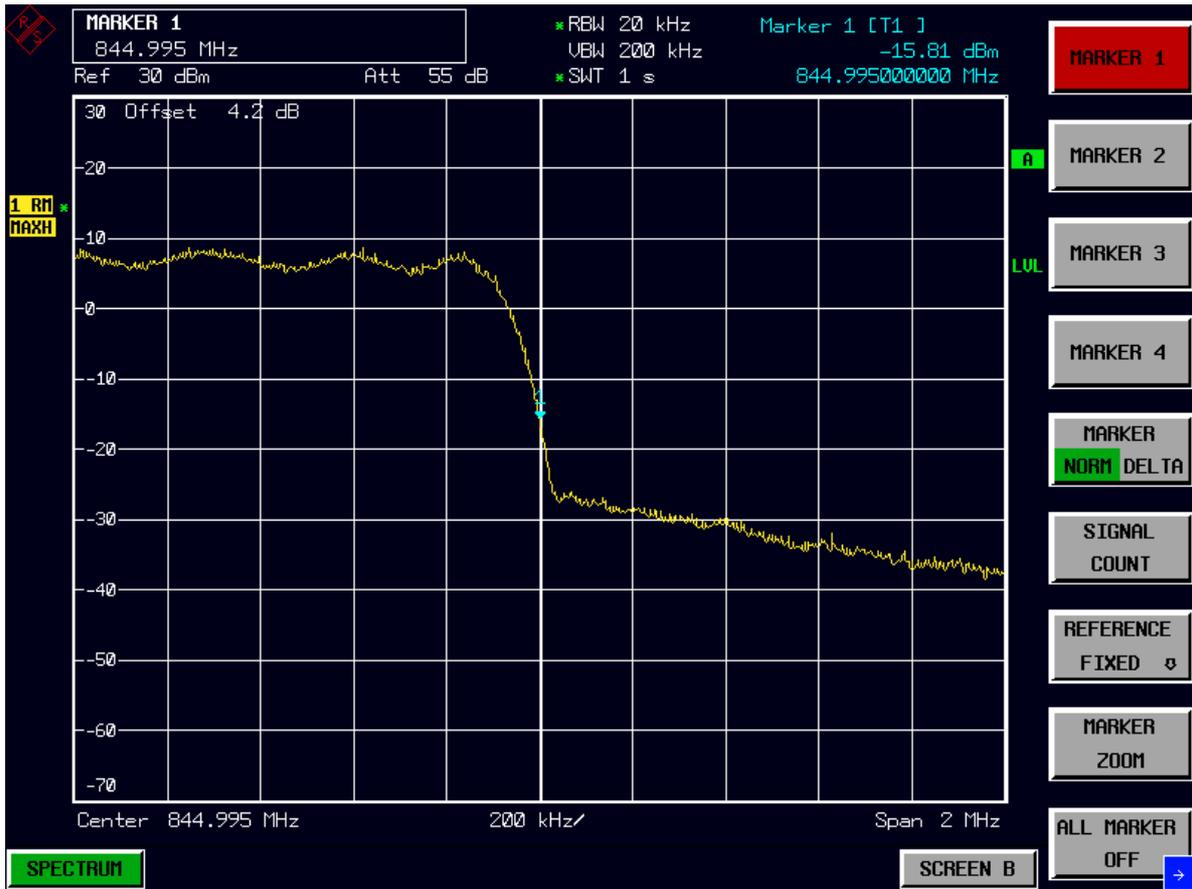
Block A" and A, right Edge (835.005MHz)
Channel 311



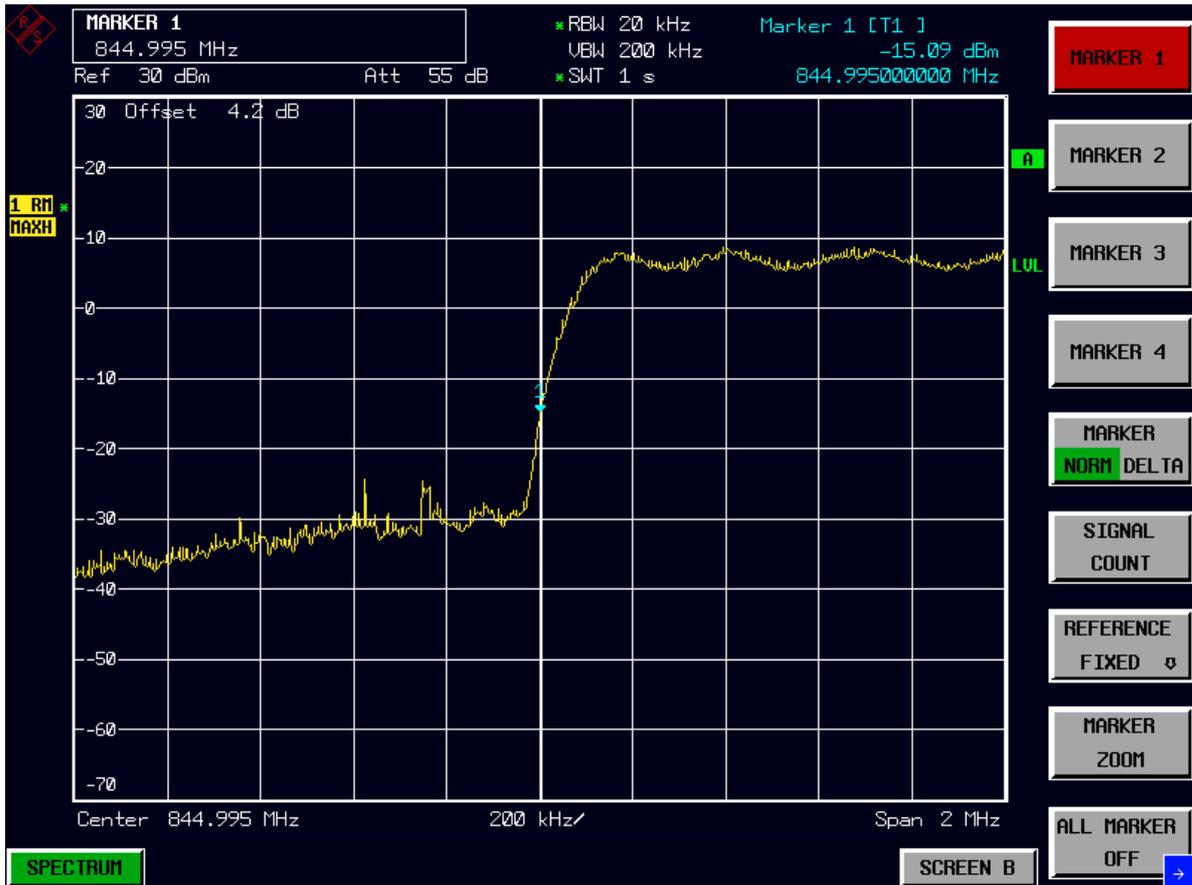
Block B, Left Edge (835.005MHz)
Channel 356



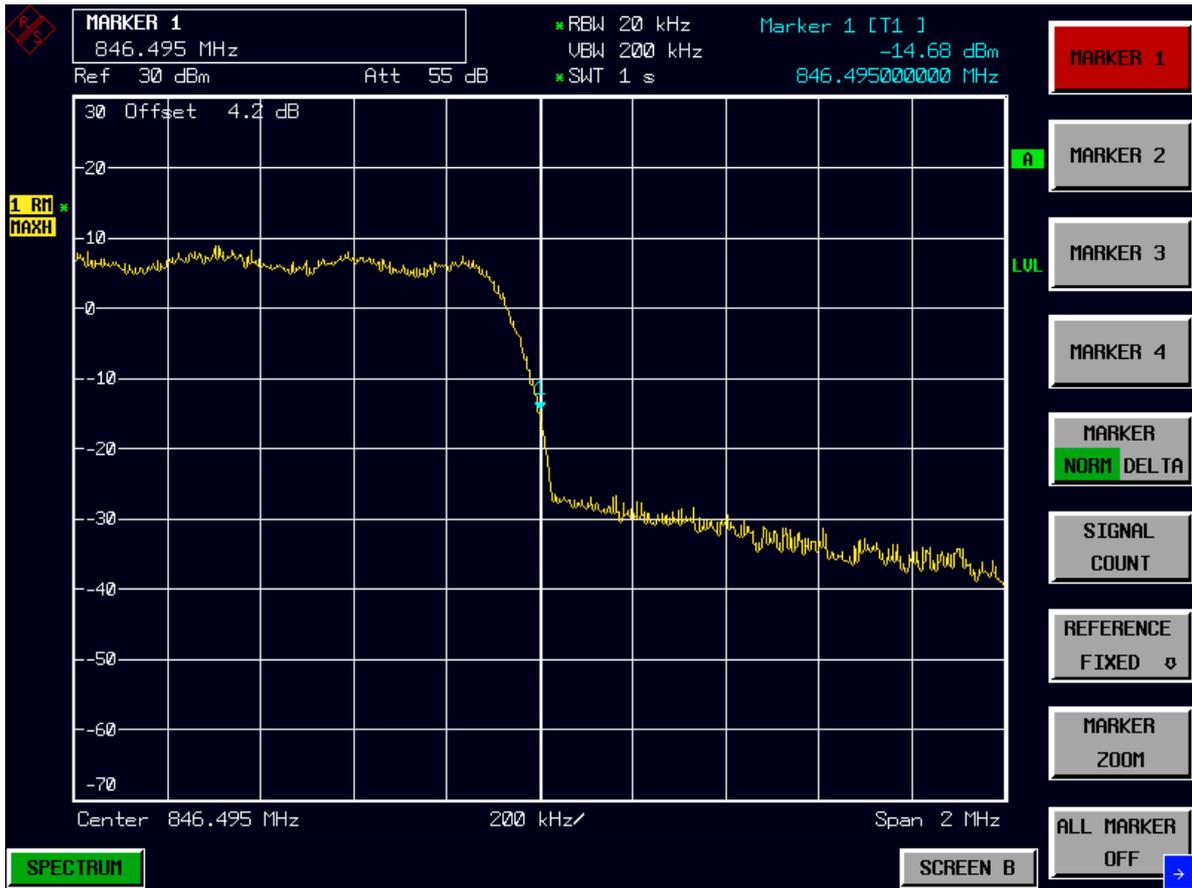
Right Edge (844.995MHz) Channel 644



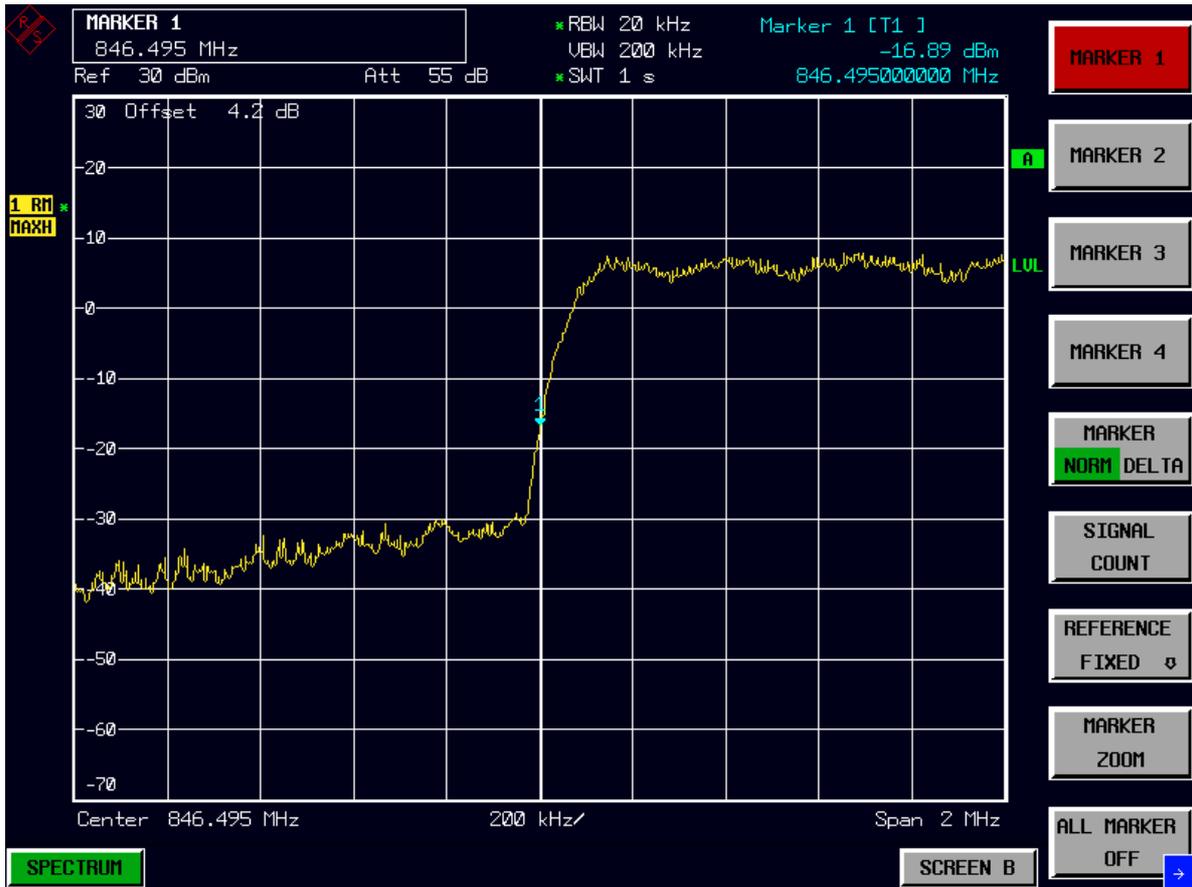
Block A', Left Edge (844.995MHz)
Channel 689



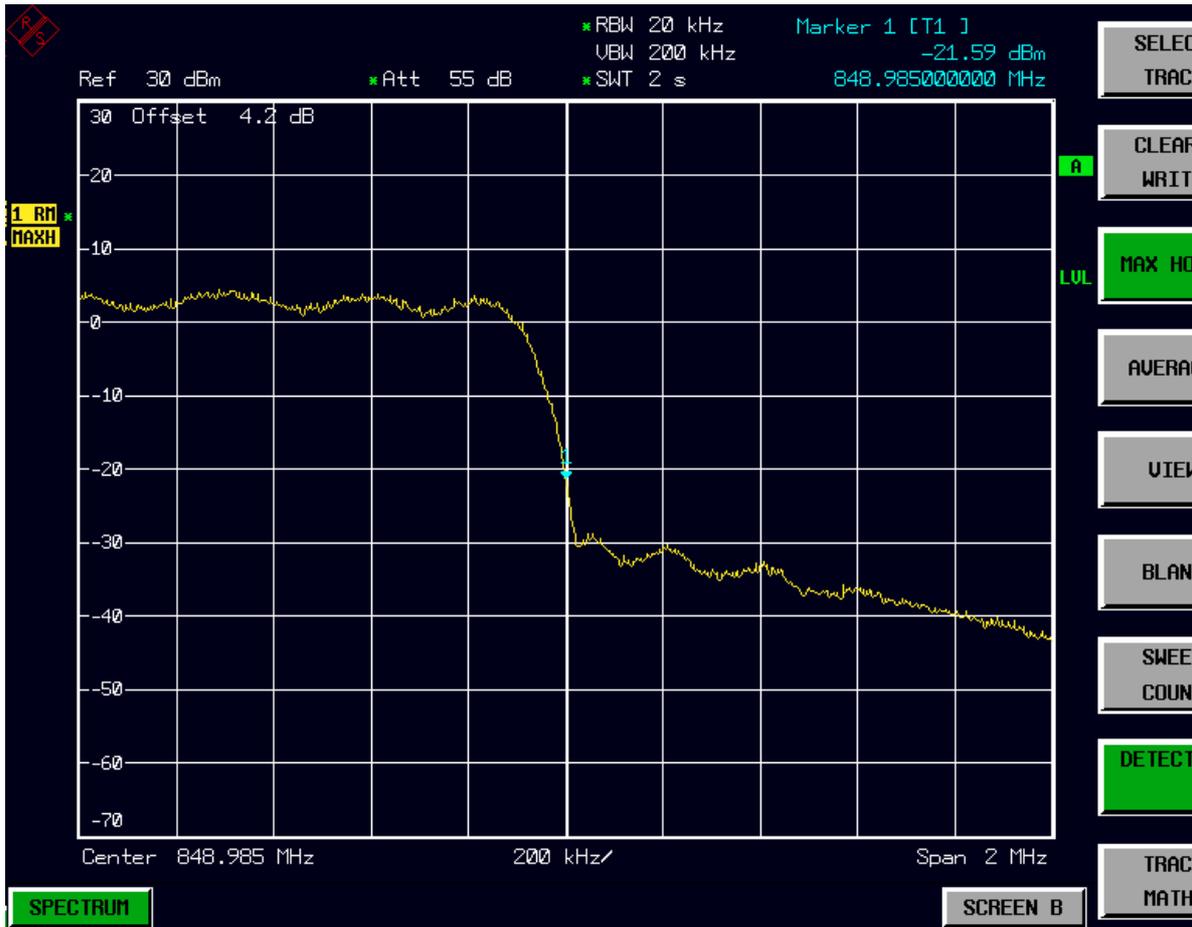
Block A', Right Edge (846.495MHz)
Channel 694



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

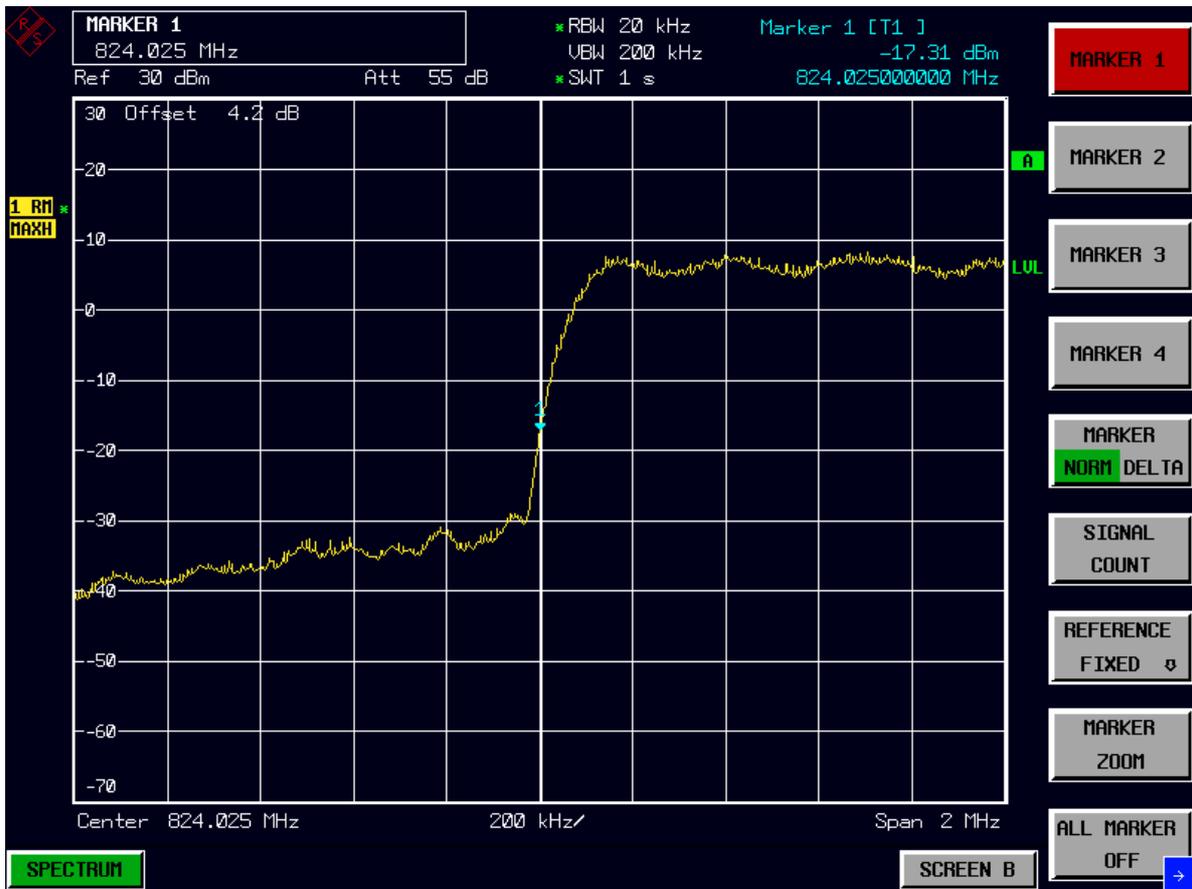


Block B', Right Edge (848.985MHz)
Channel 777

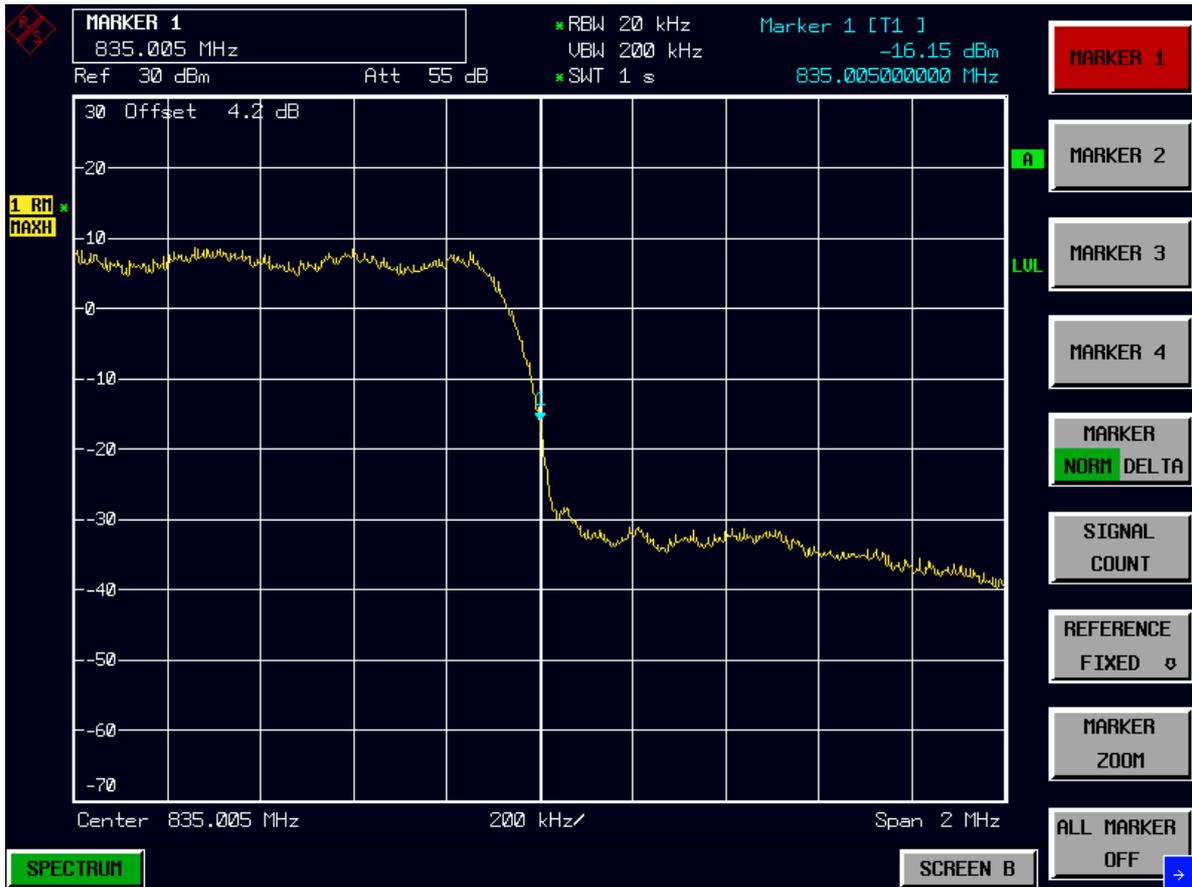


1.1.2 RC3

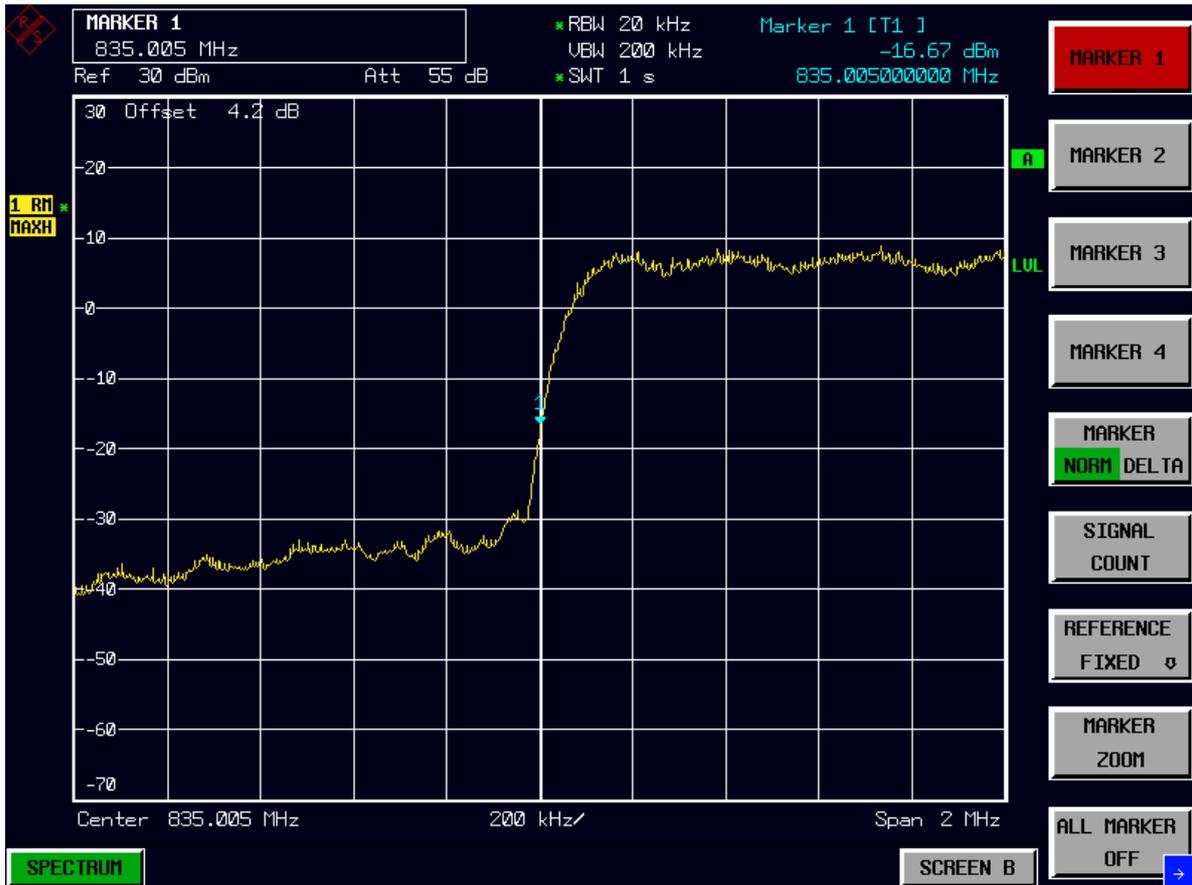
Block A” and A, Left Edge (824.025MHz) Channel 1013



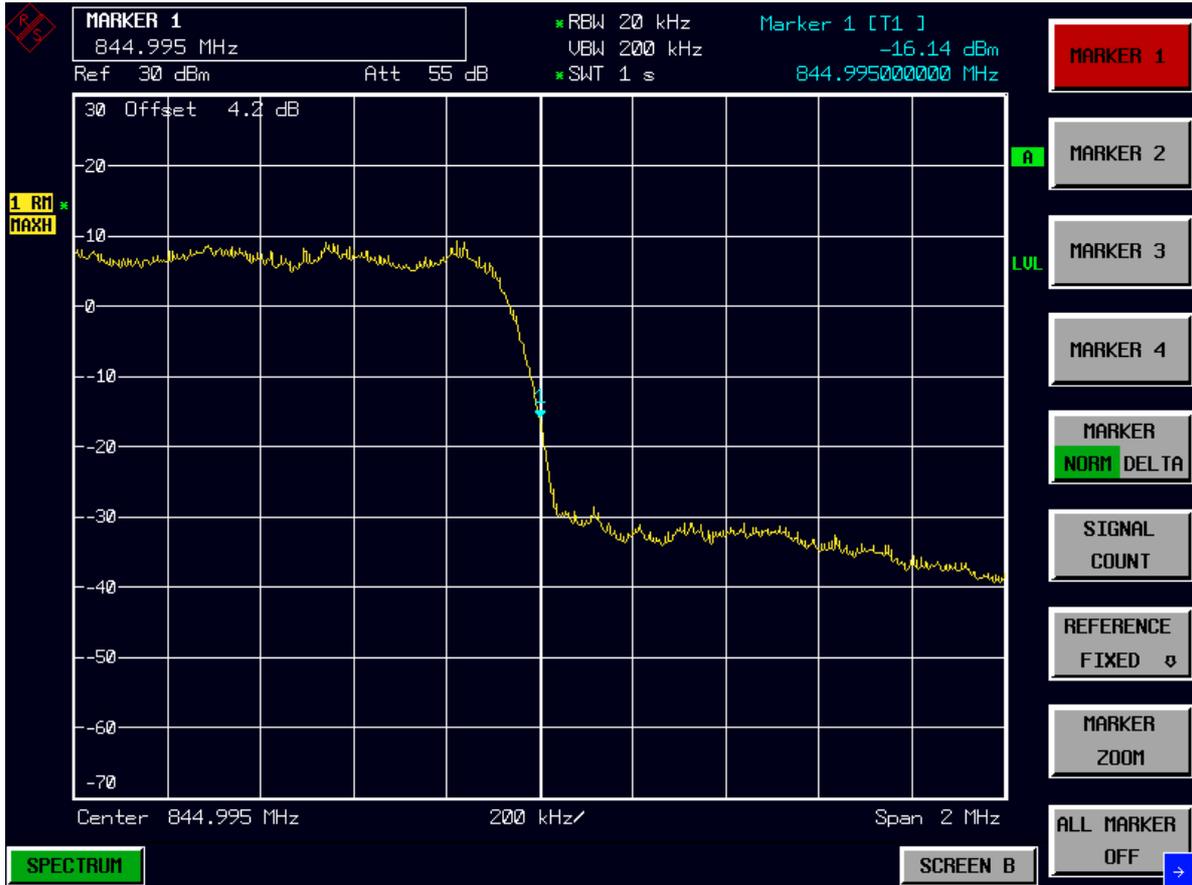
Block A" and A, right Edge (835.005MHz)
Channel 311



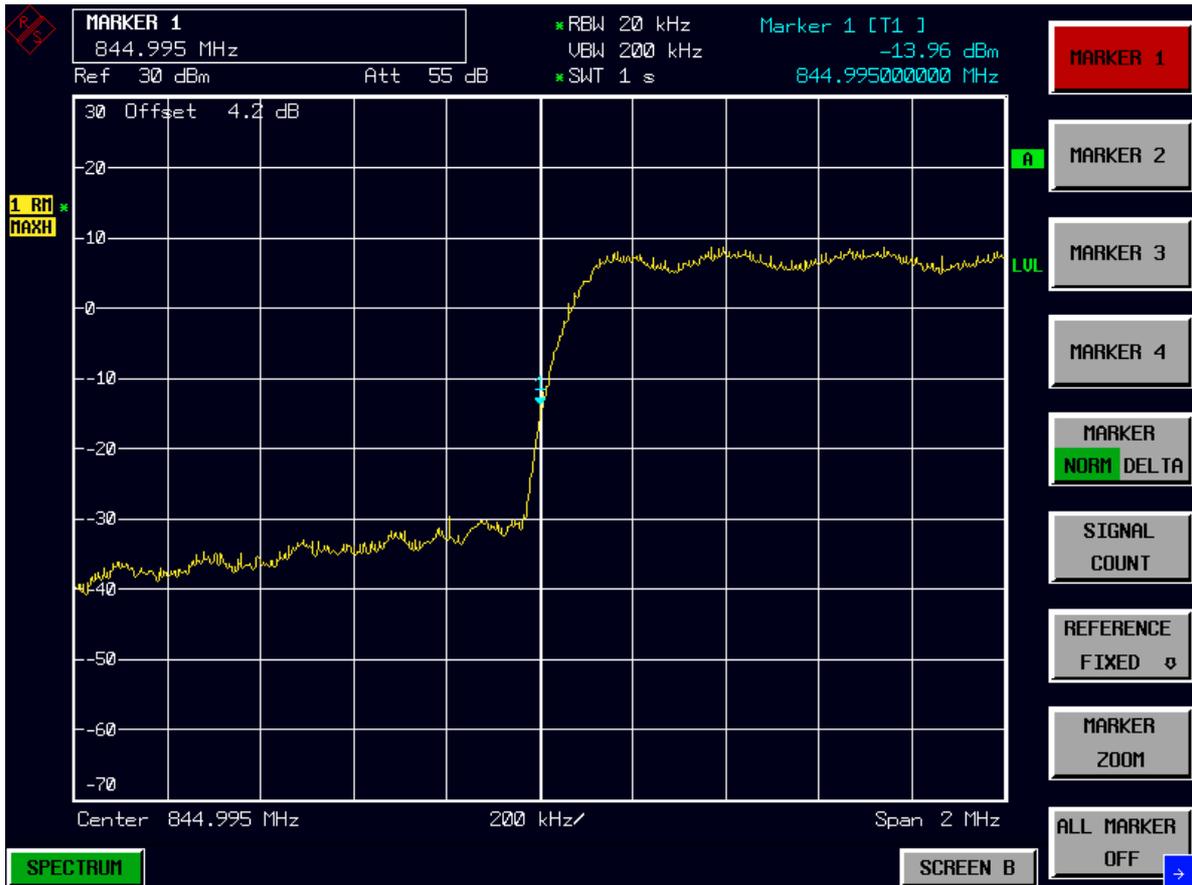
Block B, Left Edge (835.005MHz)
Channel 356



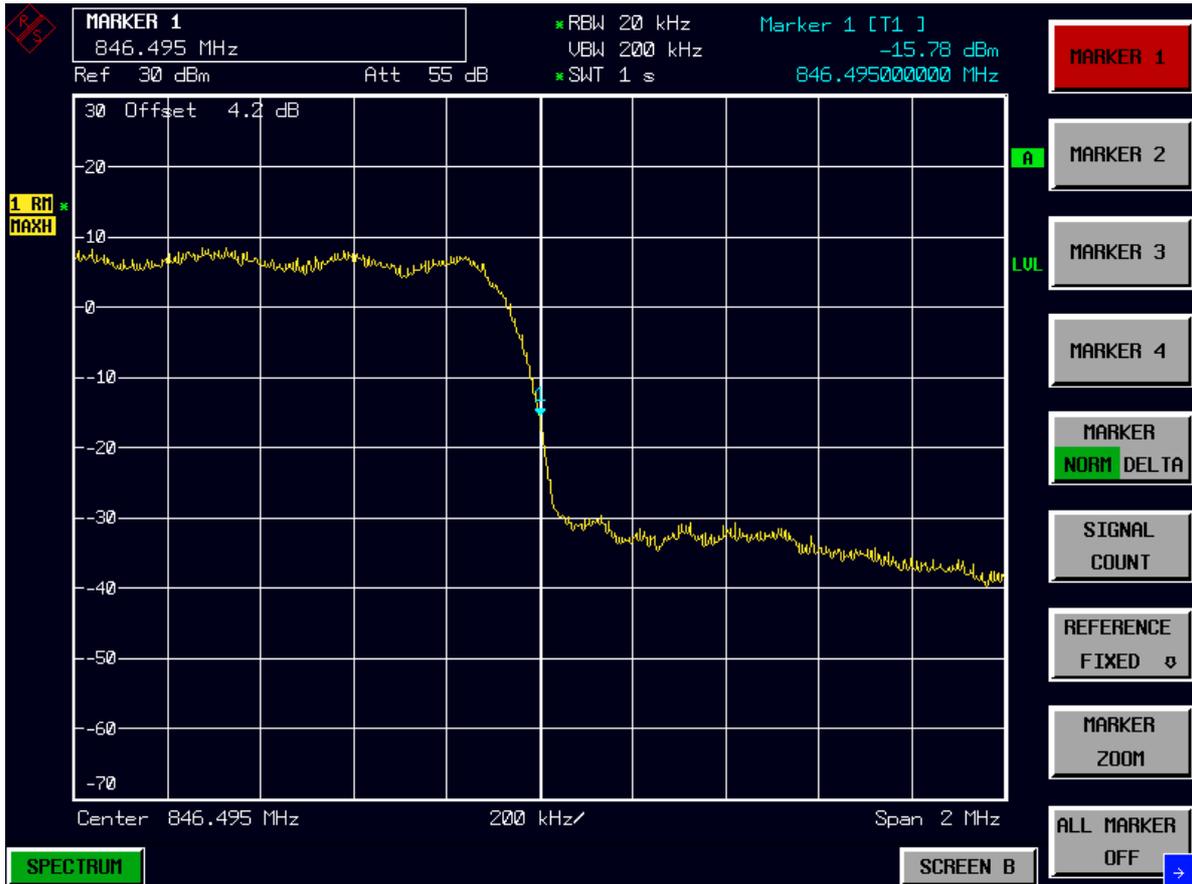
Block B, Right Edge (844.995MHz)
Channel 644



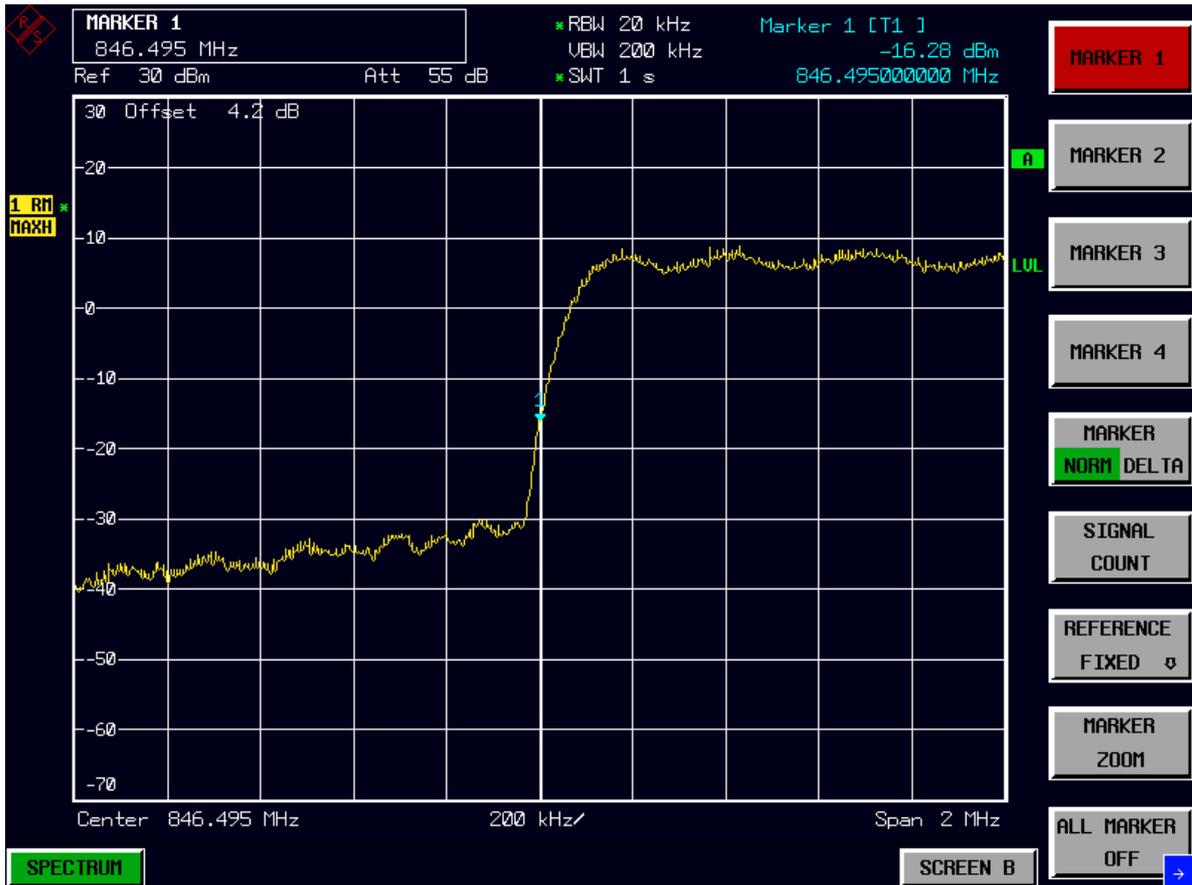
Block A', Left Edge (844.995MHz) Channel 689



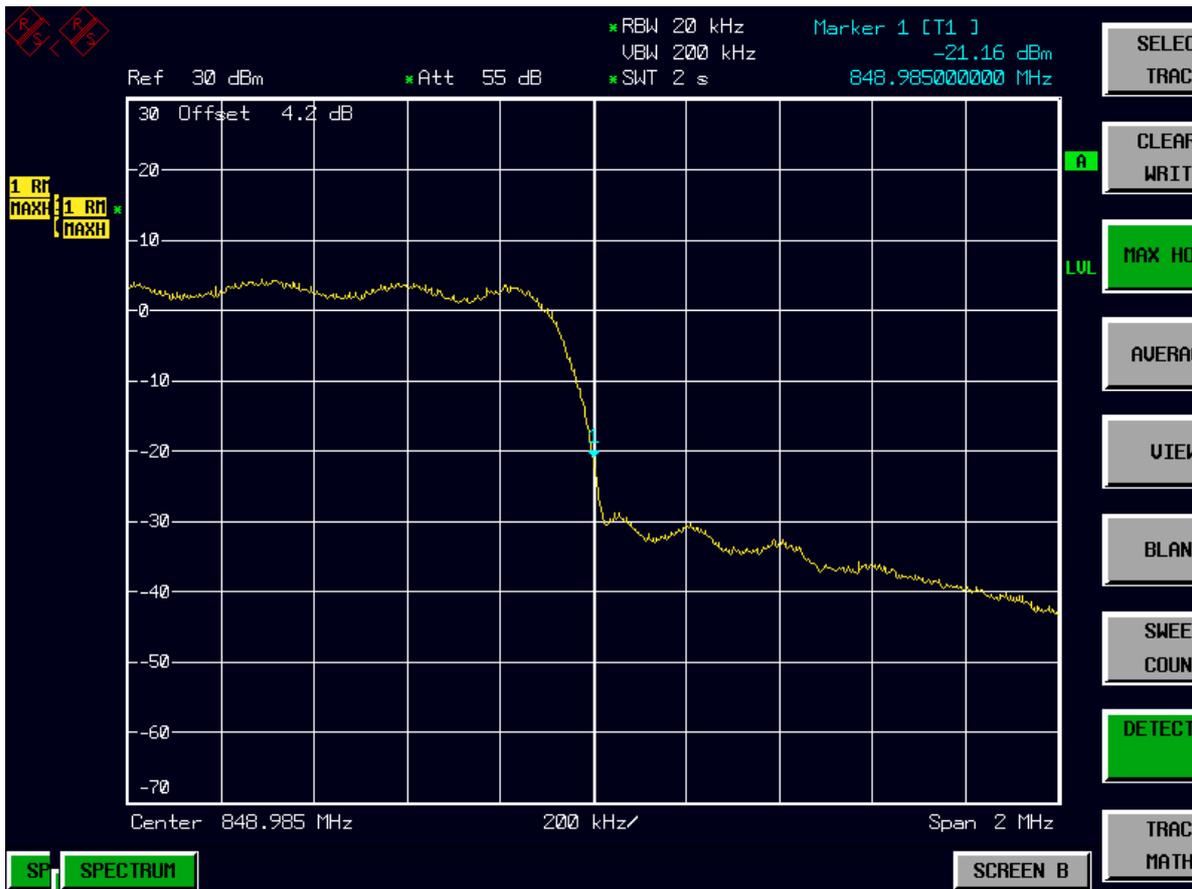
Block A', Right Edge (846.495MHz)
Channel 694



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



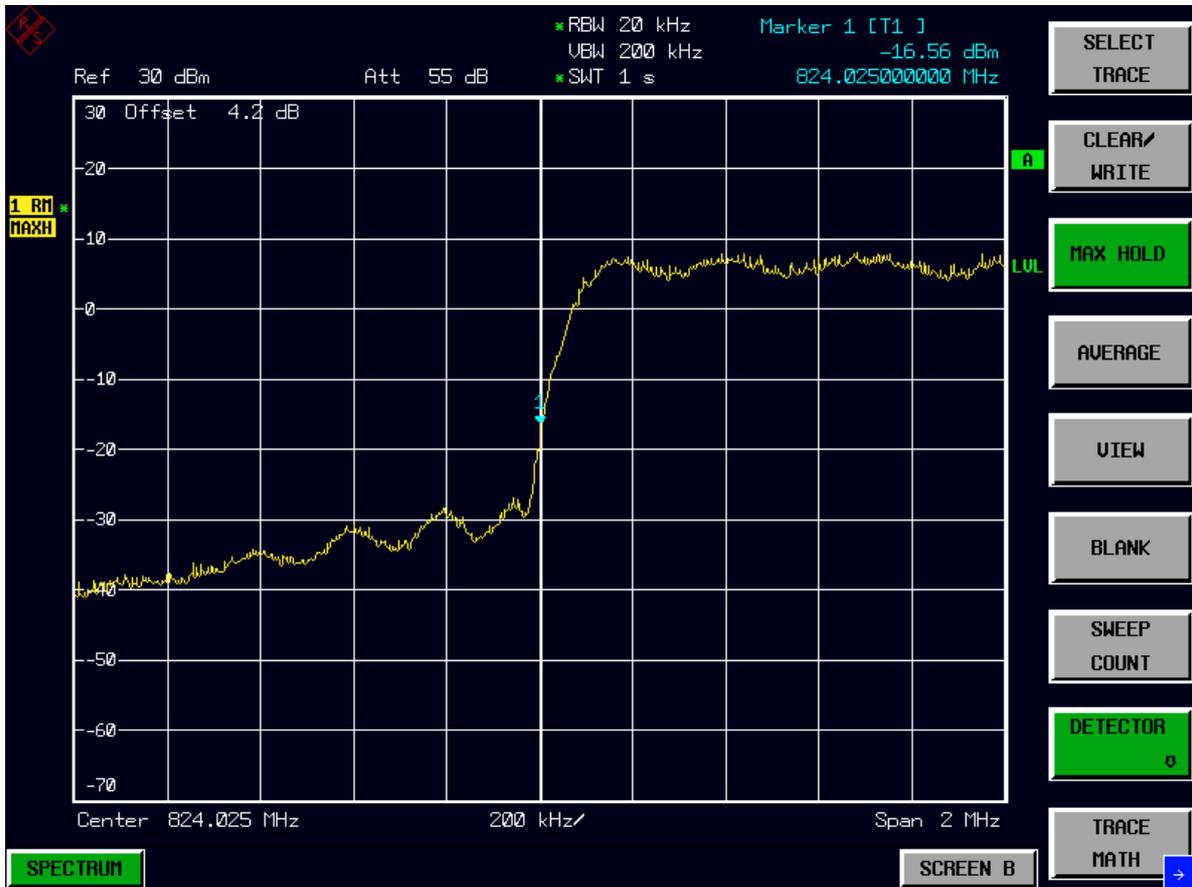
Block B', Right Edge (848.985MHz)
Channel 777



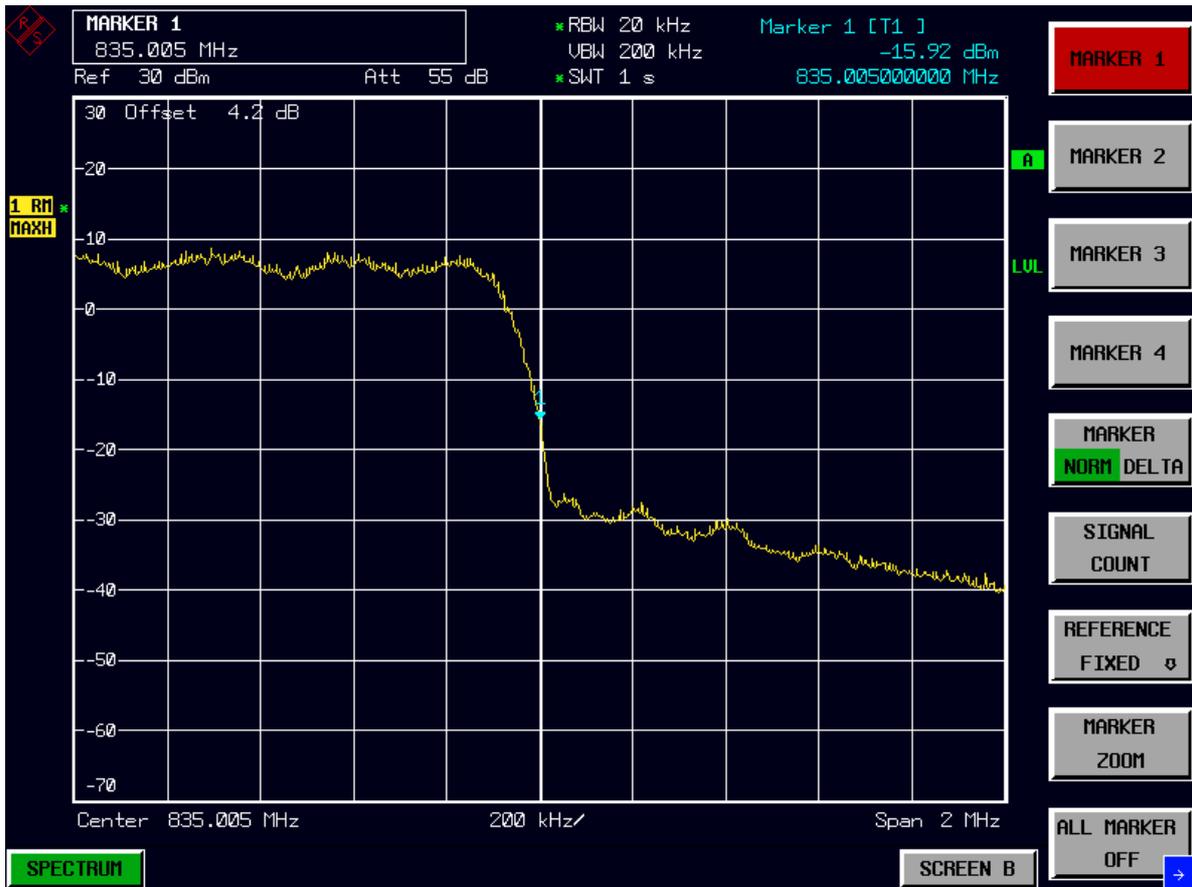
1.2 Band Subclass 1

1.2.1 RC1

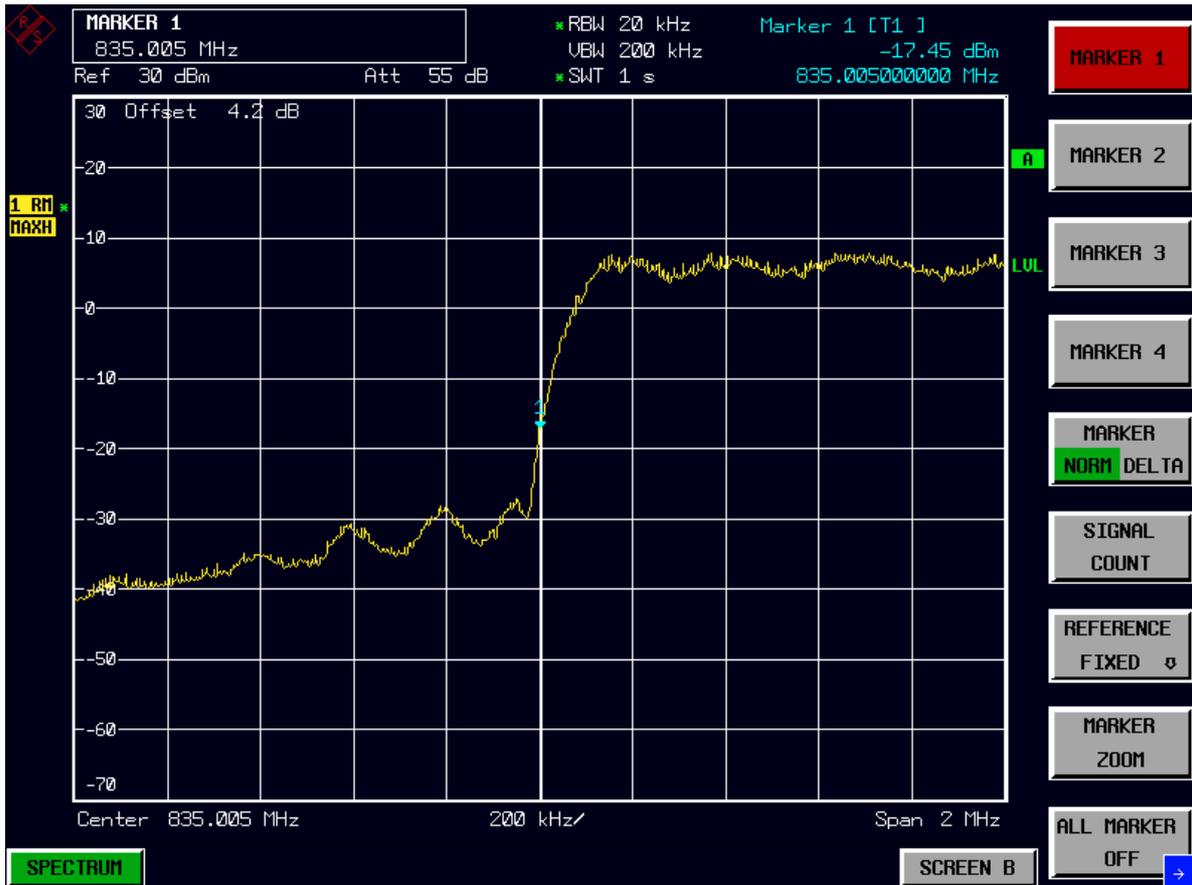
Block A" and A, Left Edge (824.025MHz) Channel 1013



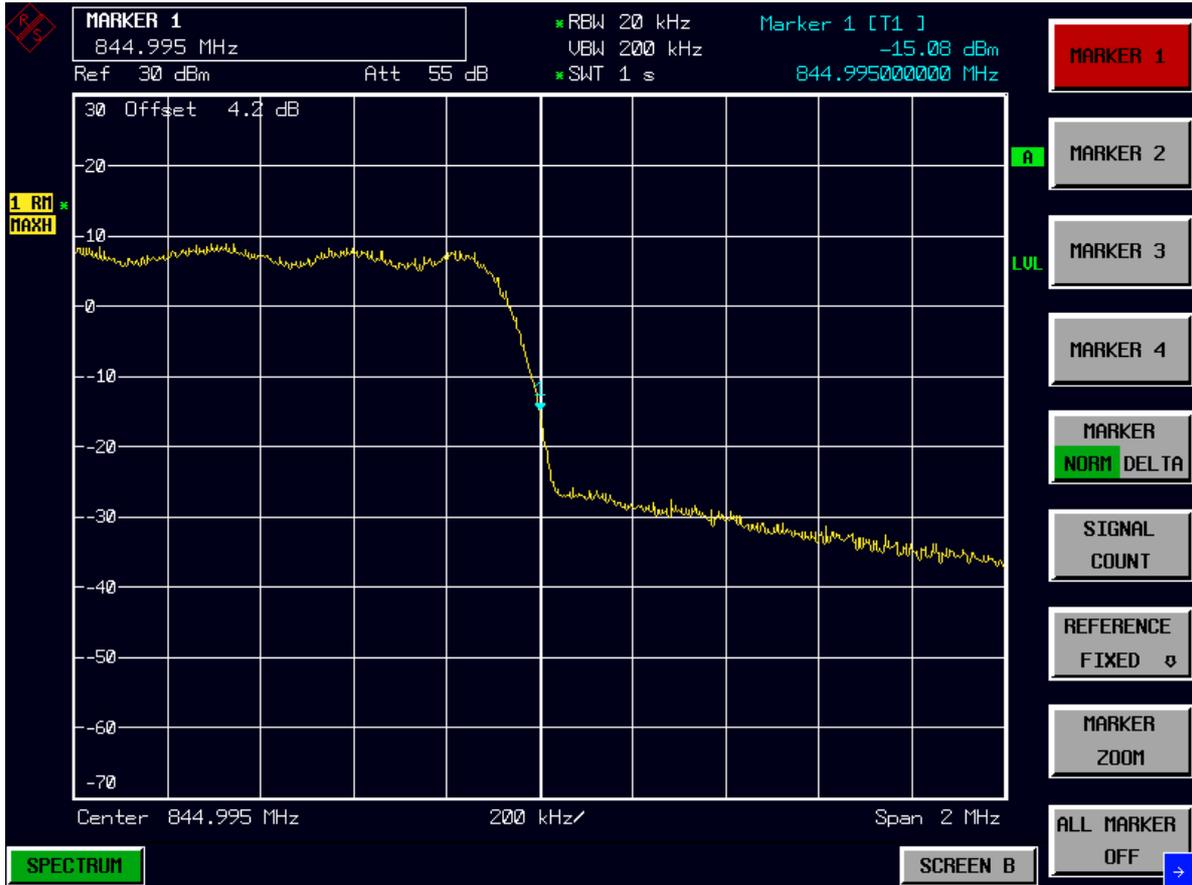
Block A” and A, right Edge (834.33MHz)
Channel 311



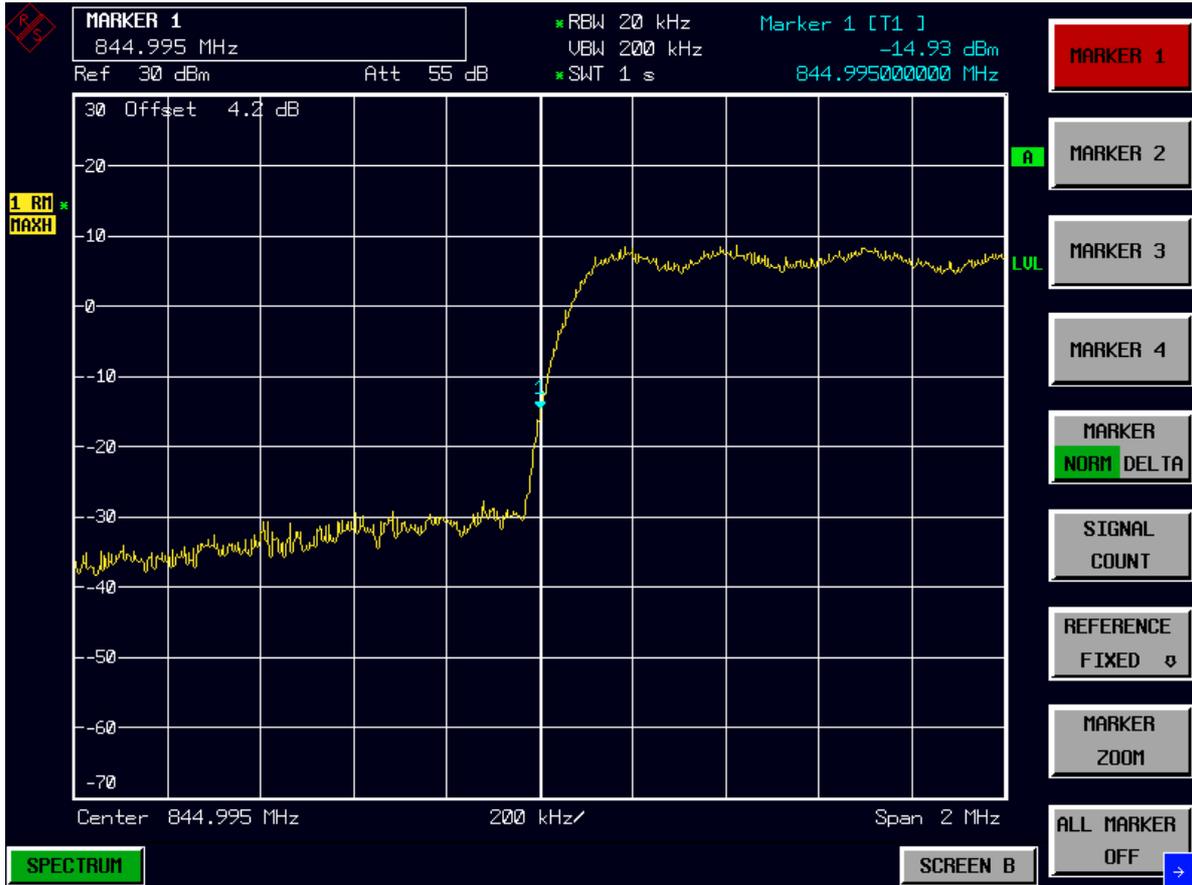
Block B, Left Edge (835.005MHz)
Channel 356



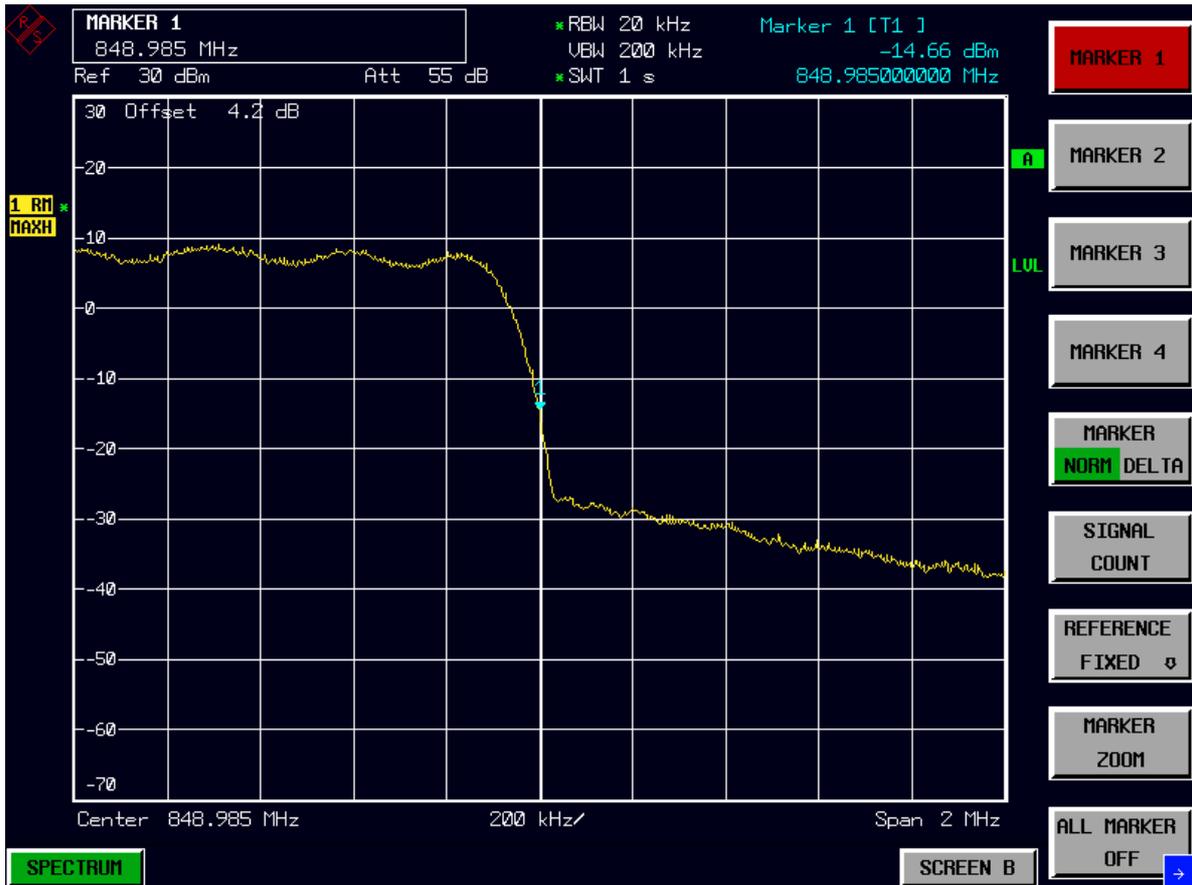
Block B, Right Edge (835.005MHz)
Channel 644



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

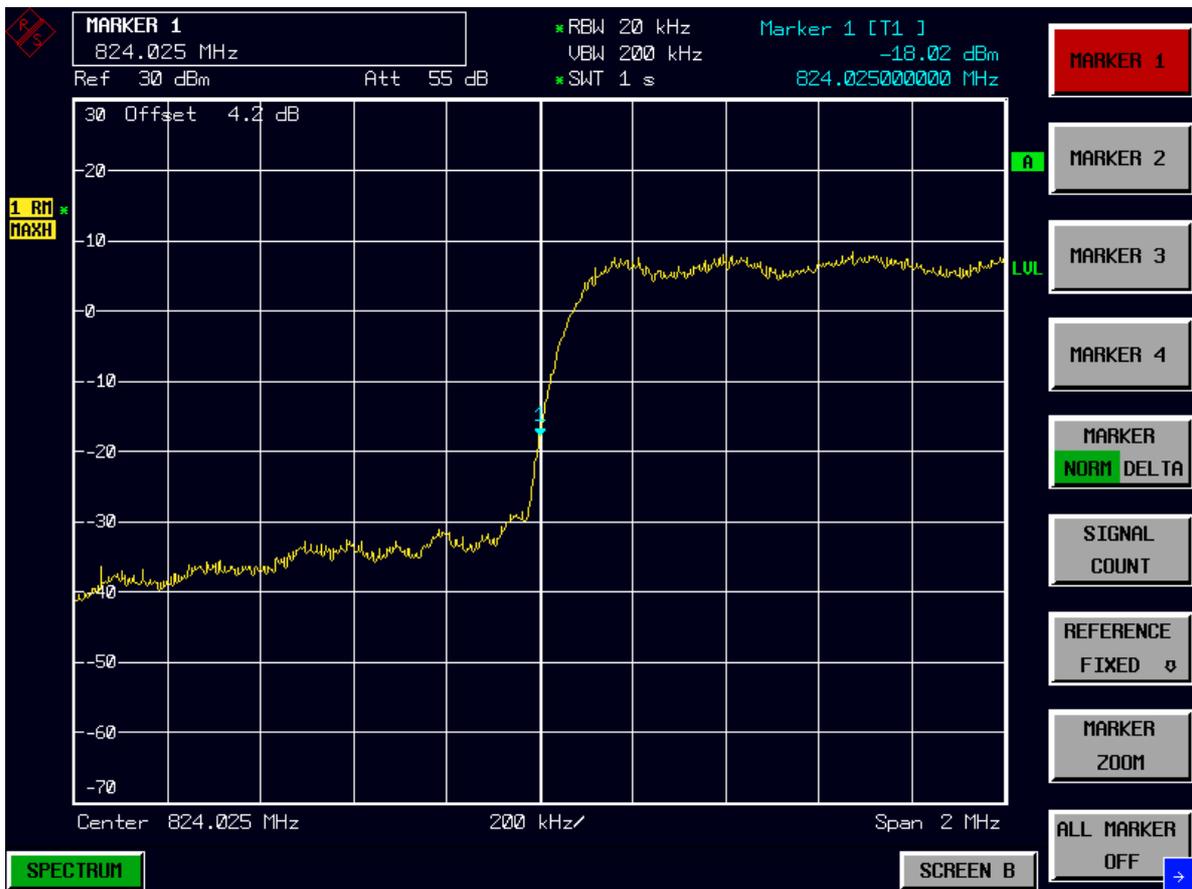


Block A' and A'', Right Edge (848.985MHz)
Channel 779

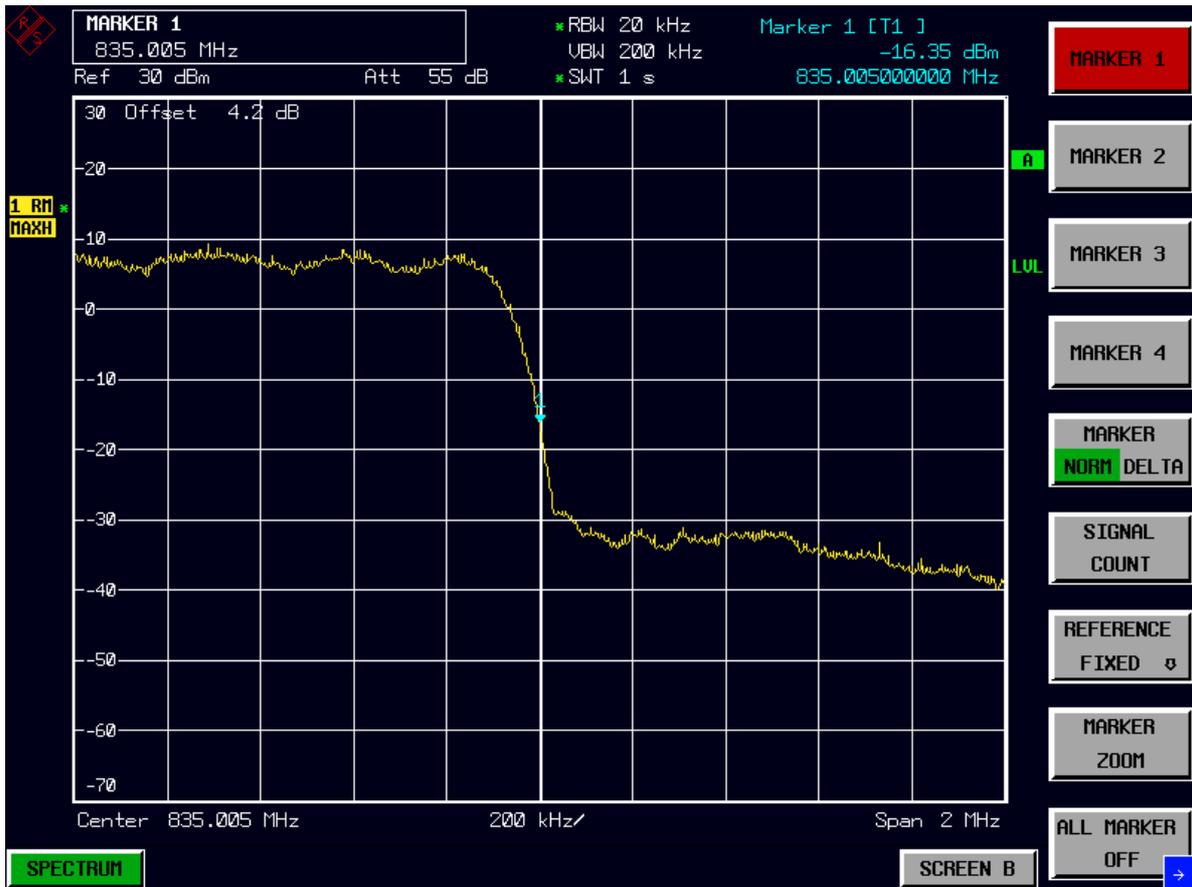


1.2.2 RC3

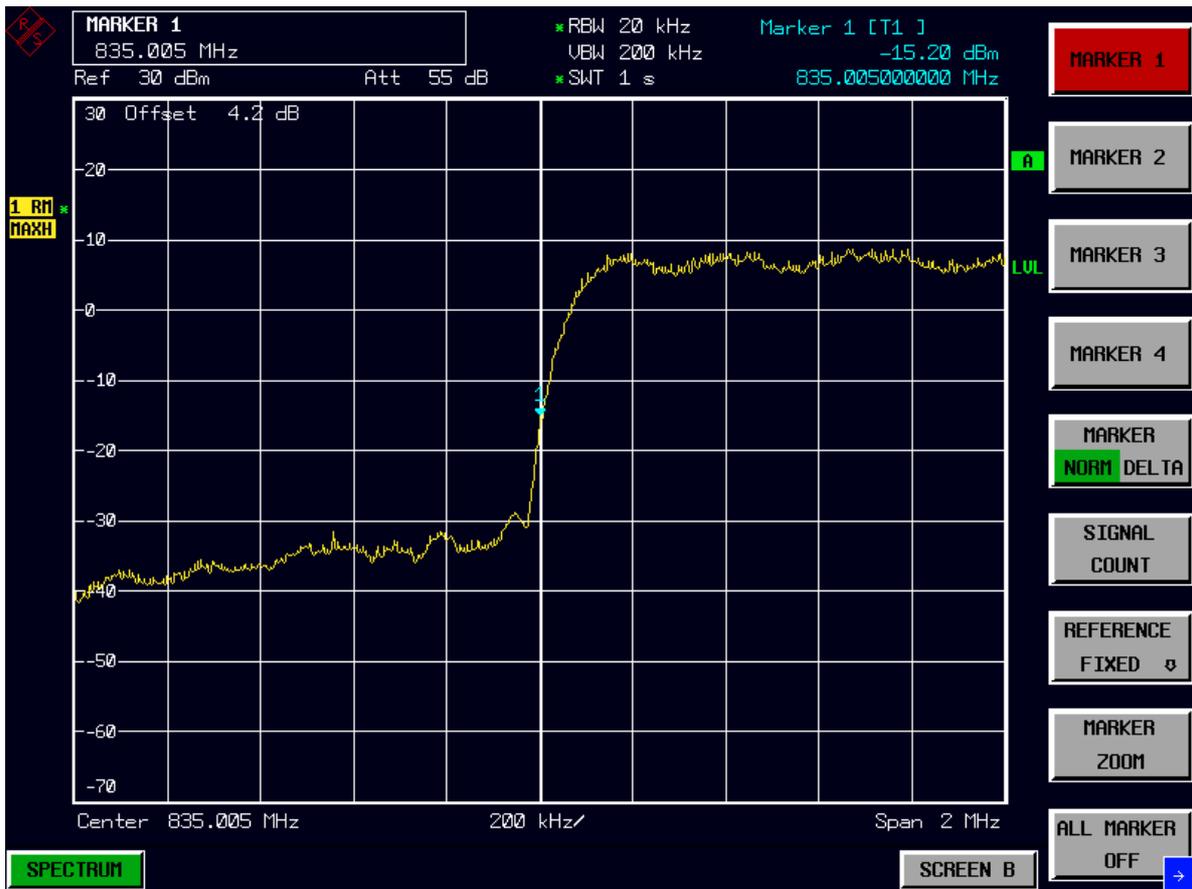
Block A" and A, Left Edge (824.025MHz) Channel 1013



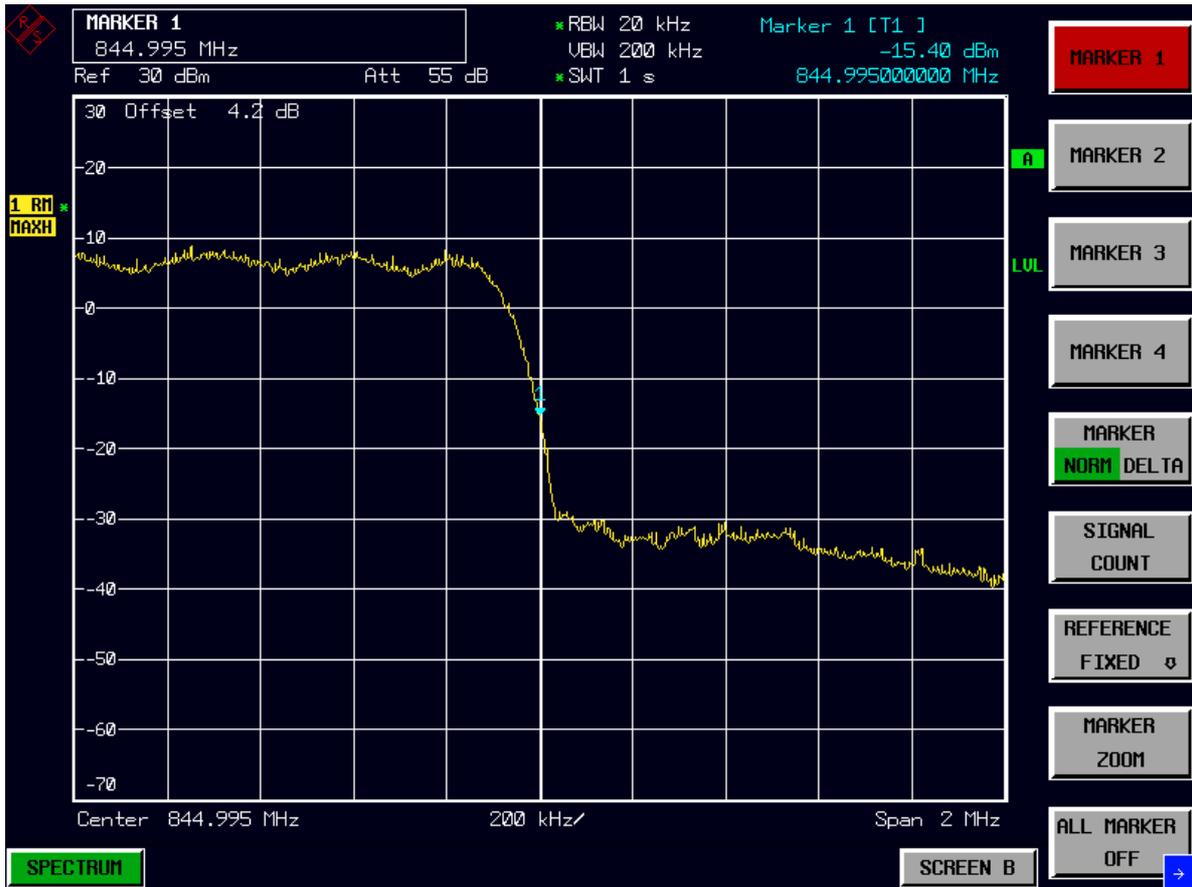
Block A” and A, right Edge (835.005MHz)
Channel 311



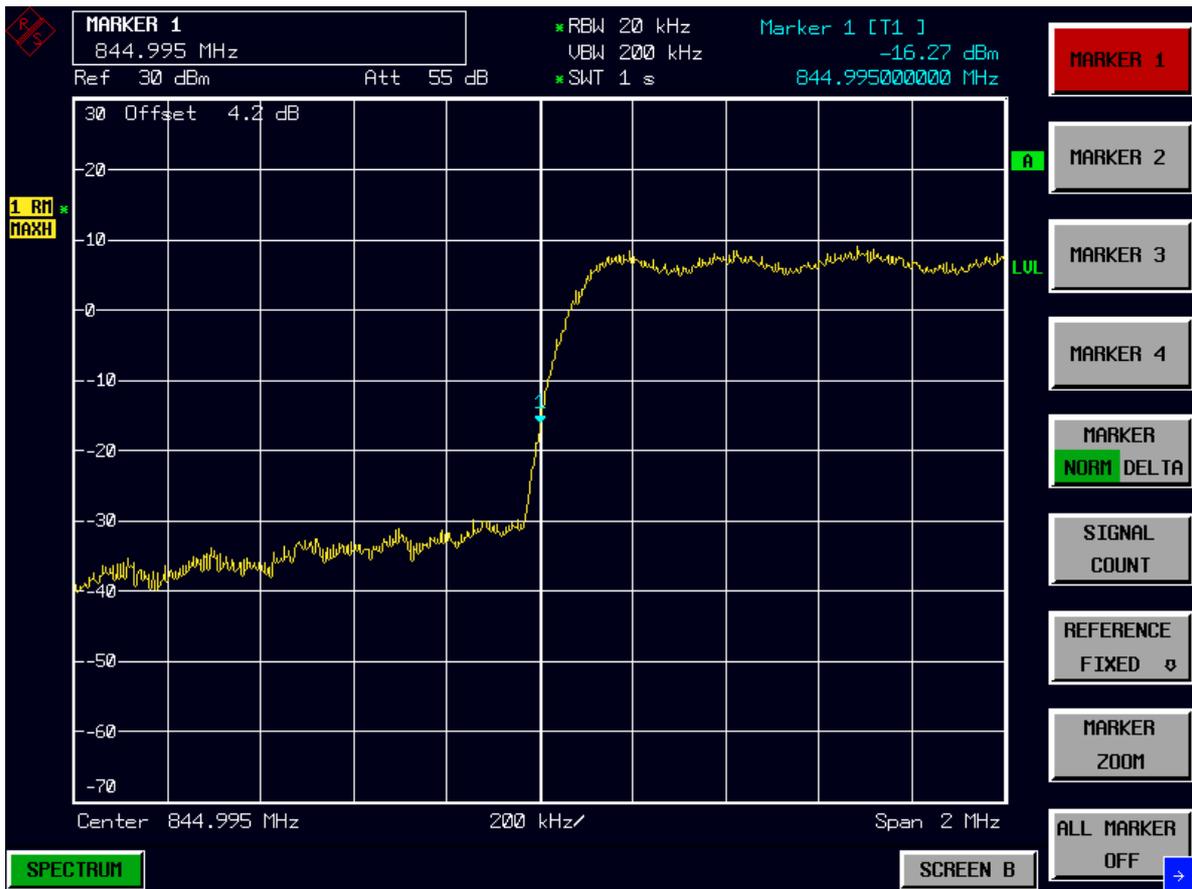
Block B, Left Edge (835.005MHz)
Channel 356



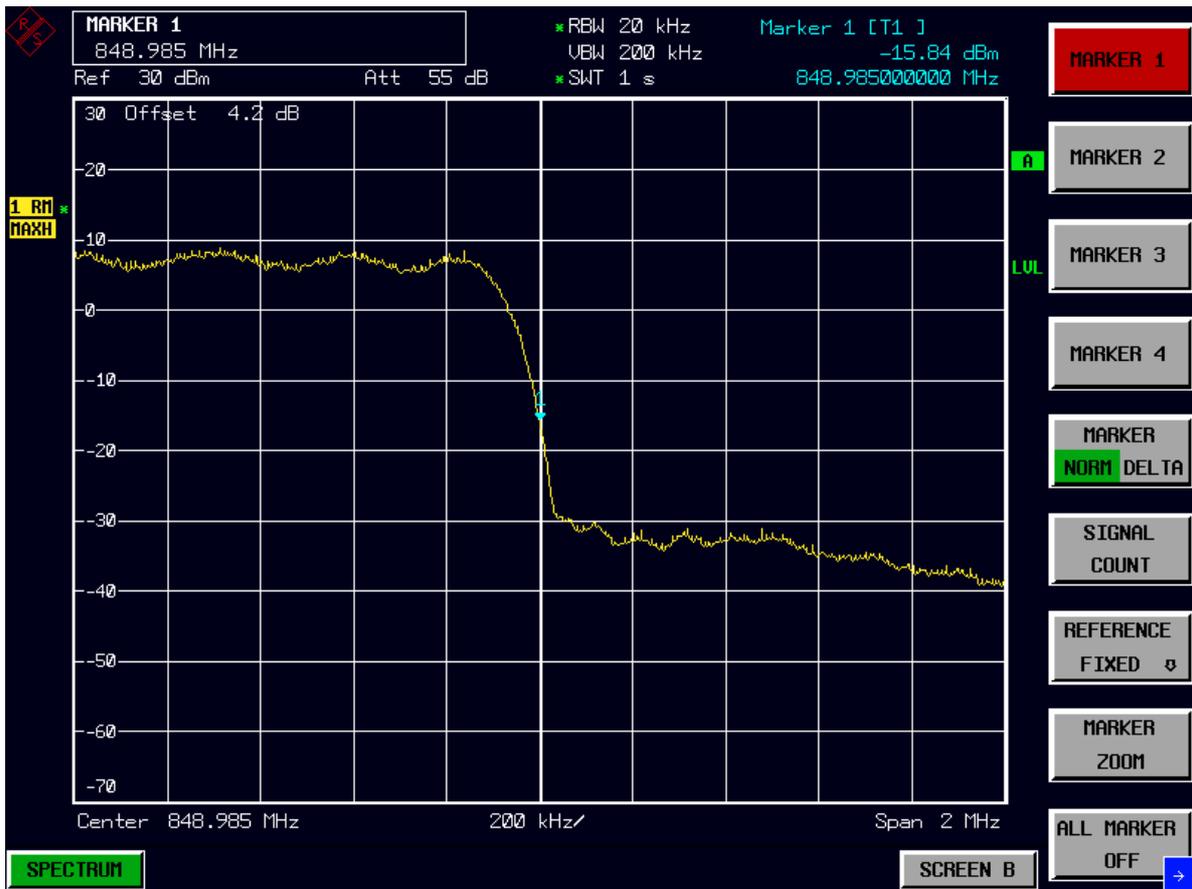
Block B, Right Edge (835.005MHz)
Channel 644



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

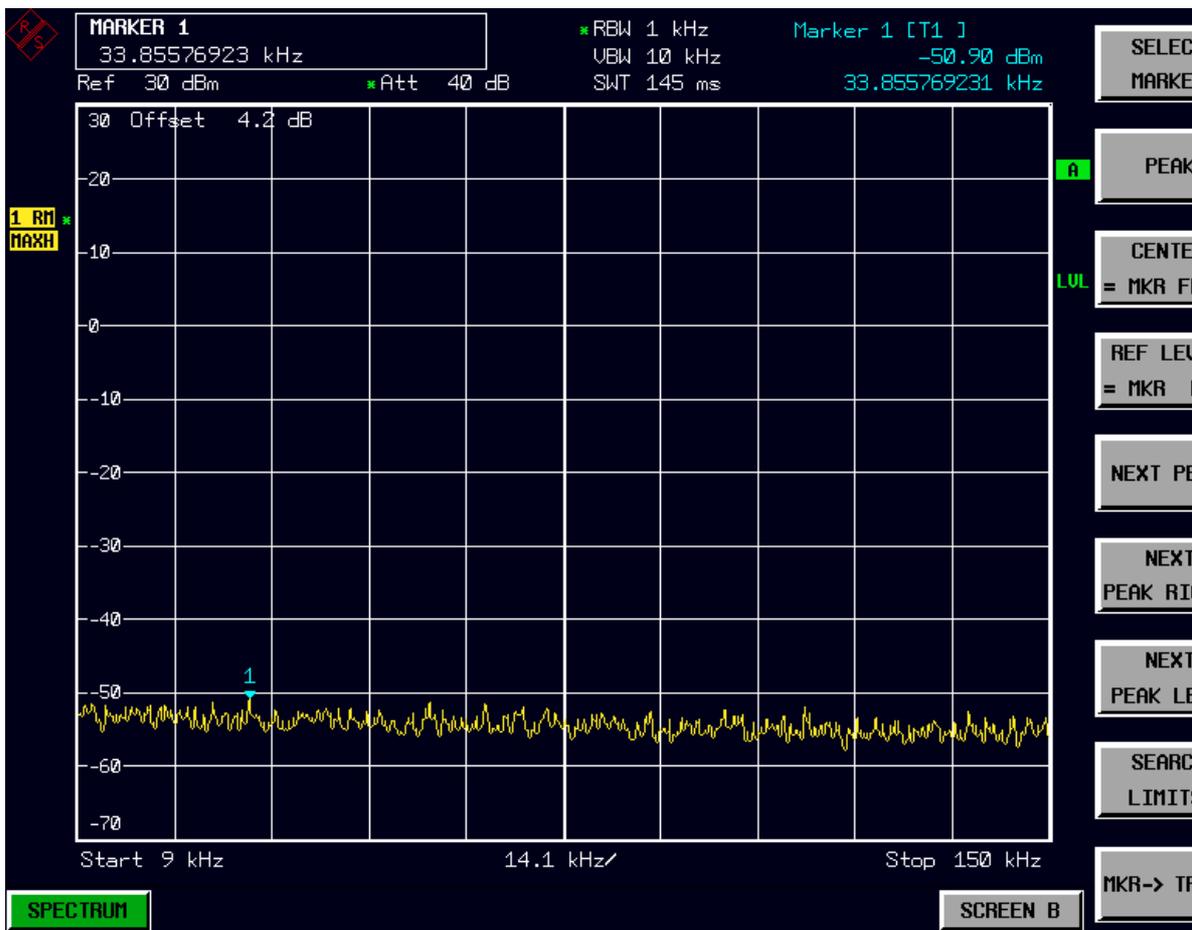


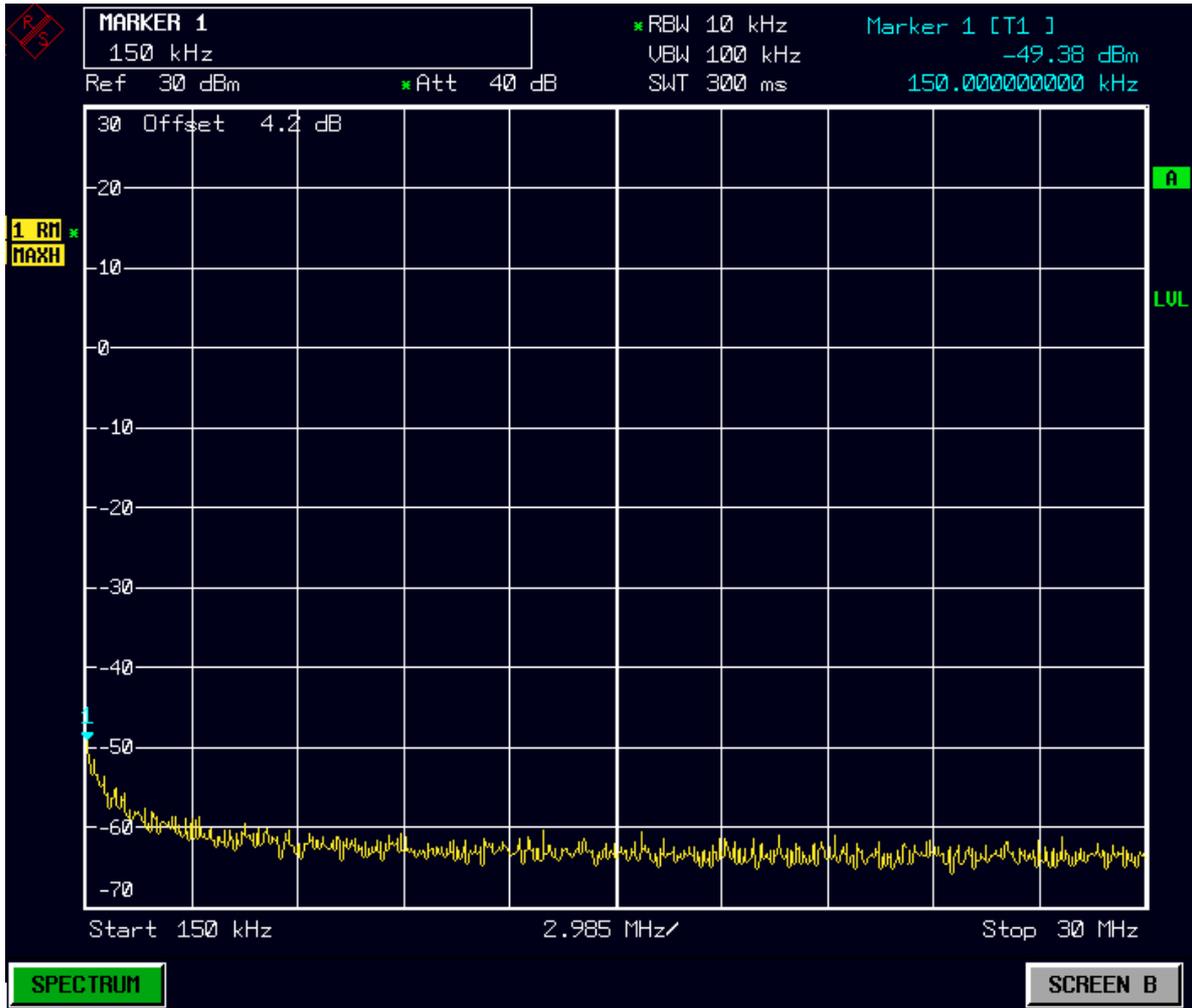
Block A' and A'', Right Edge (848.985MHz)
Channel 779

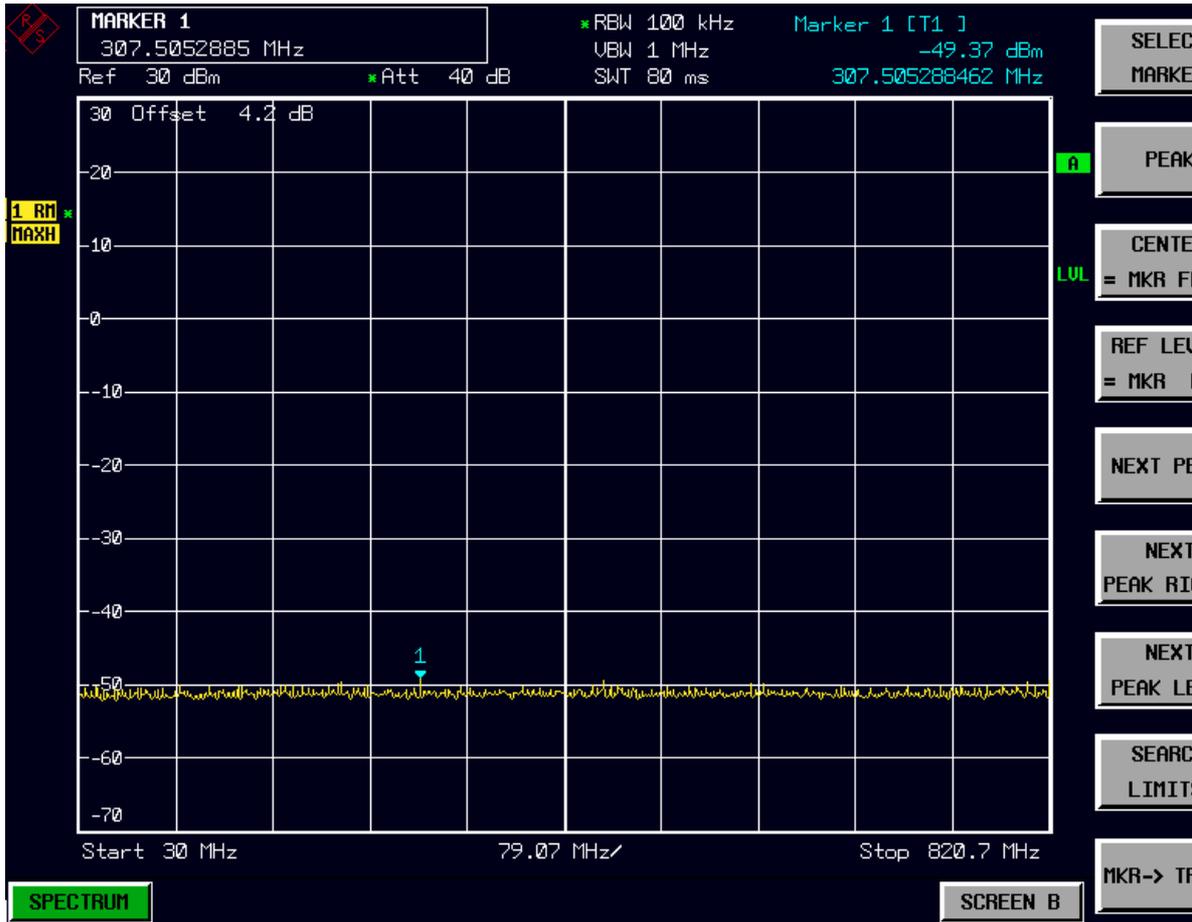


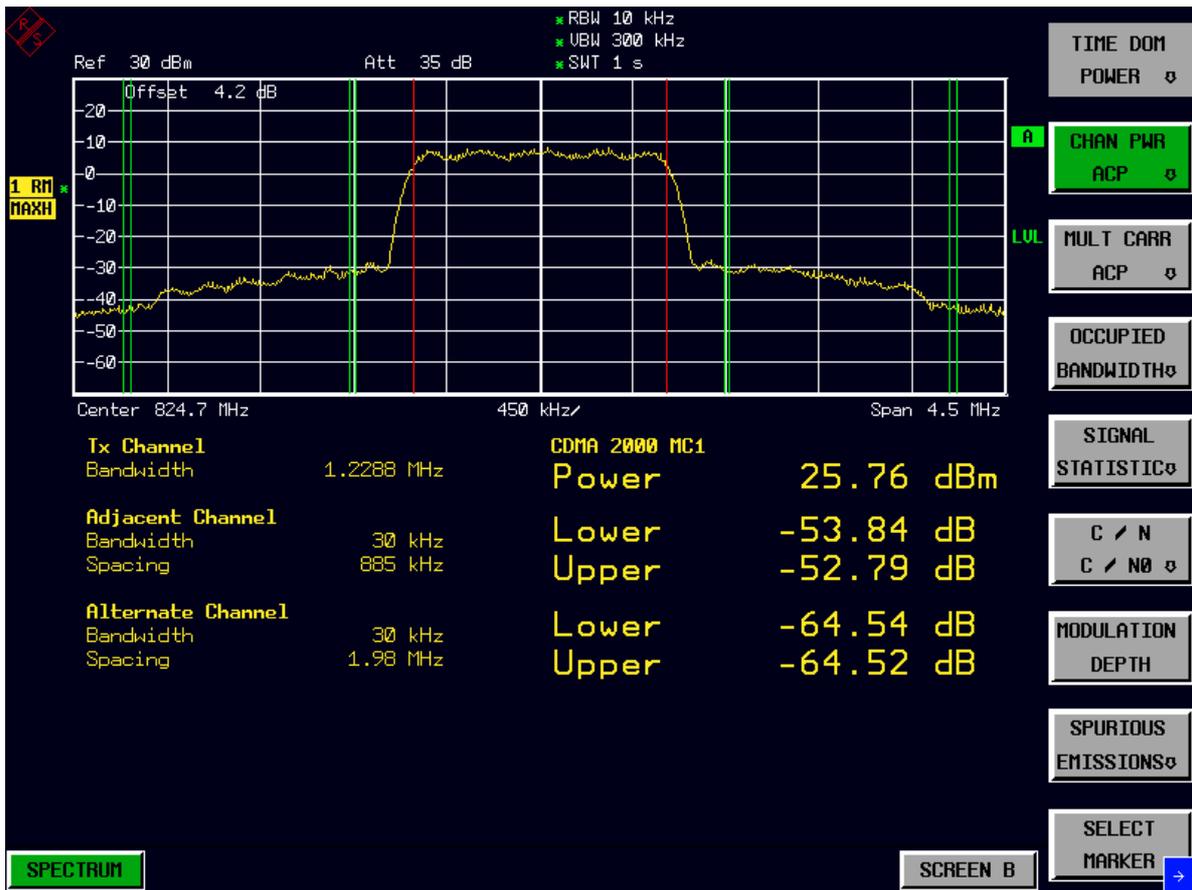
2 Measurement Results outside Band Edges

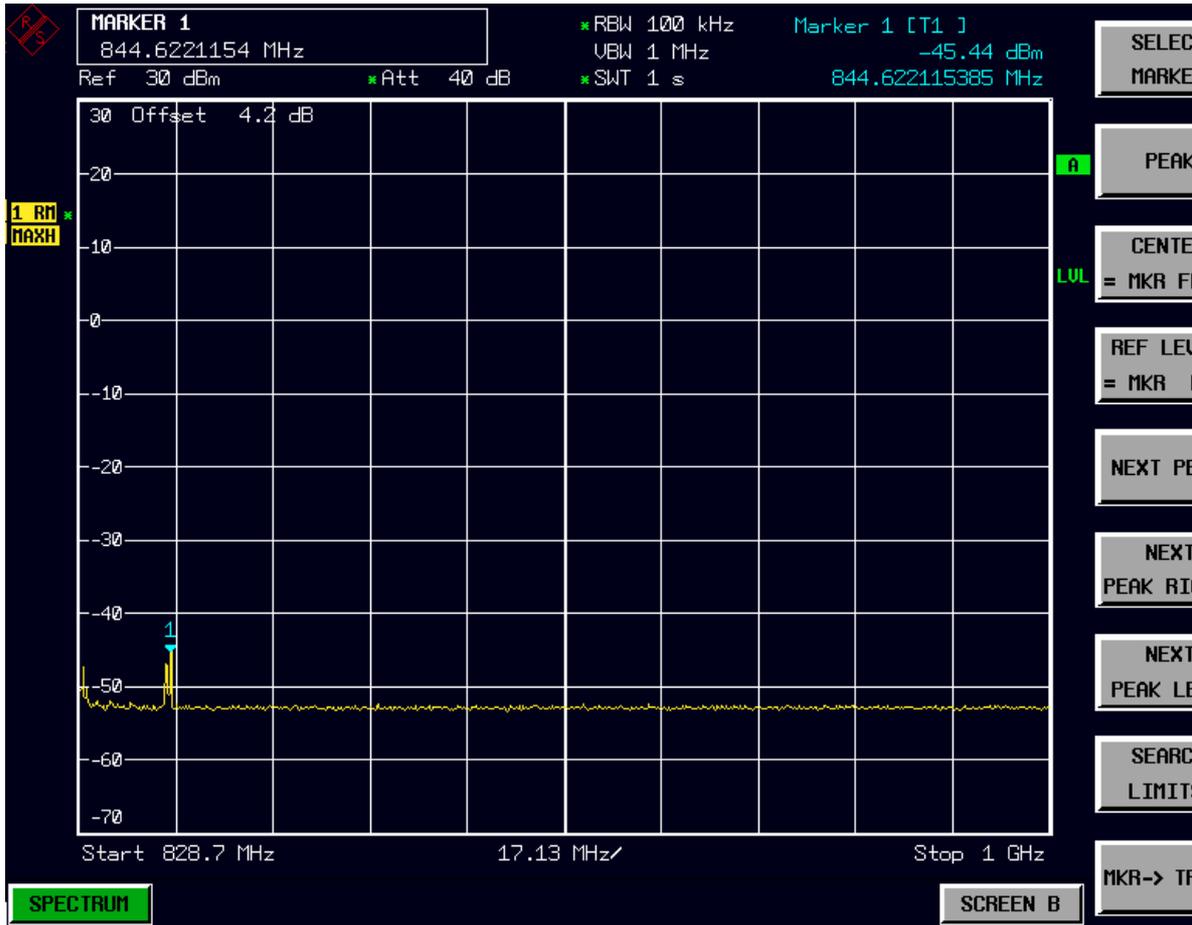
2.1 Channel 1013

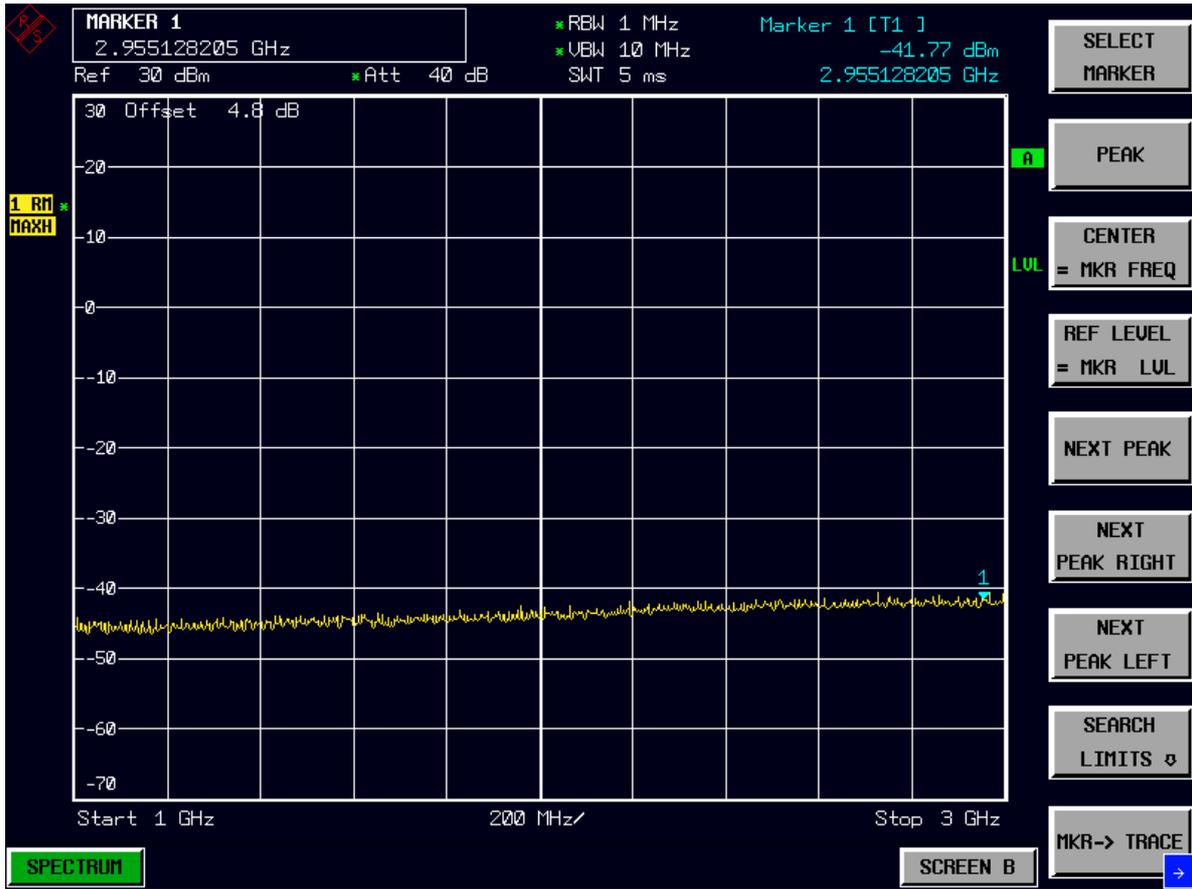


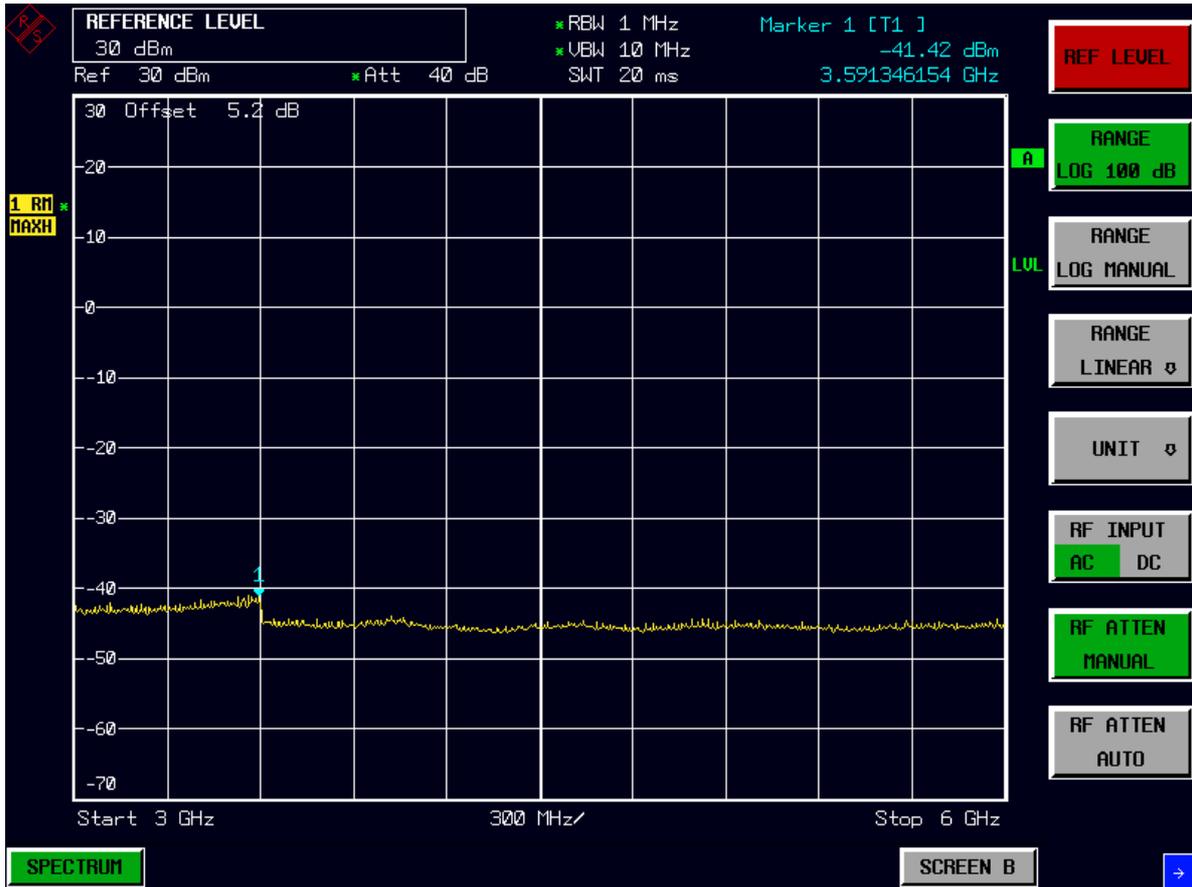


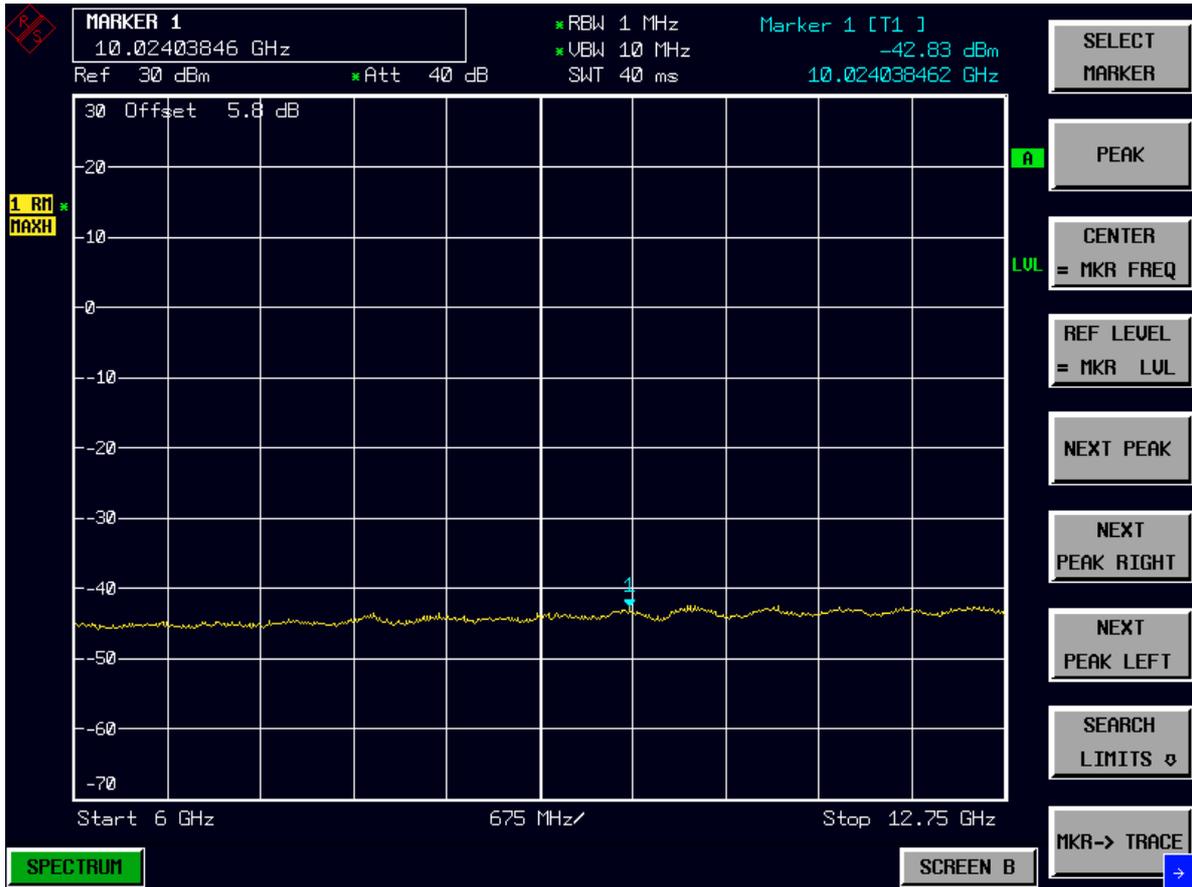




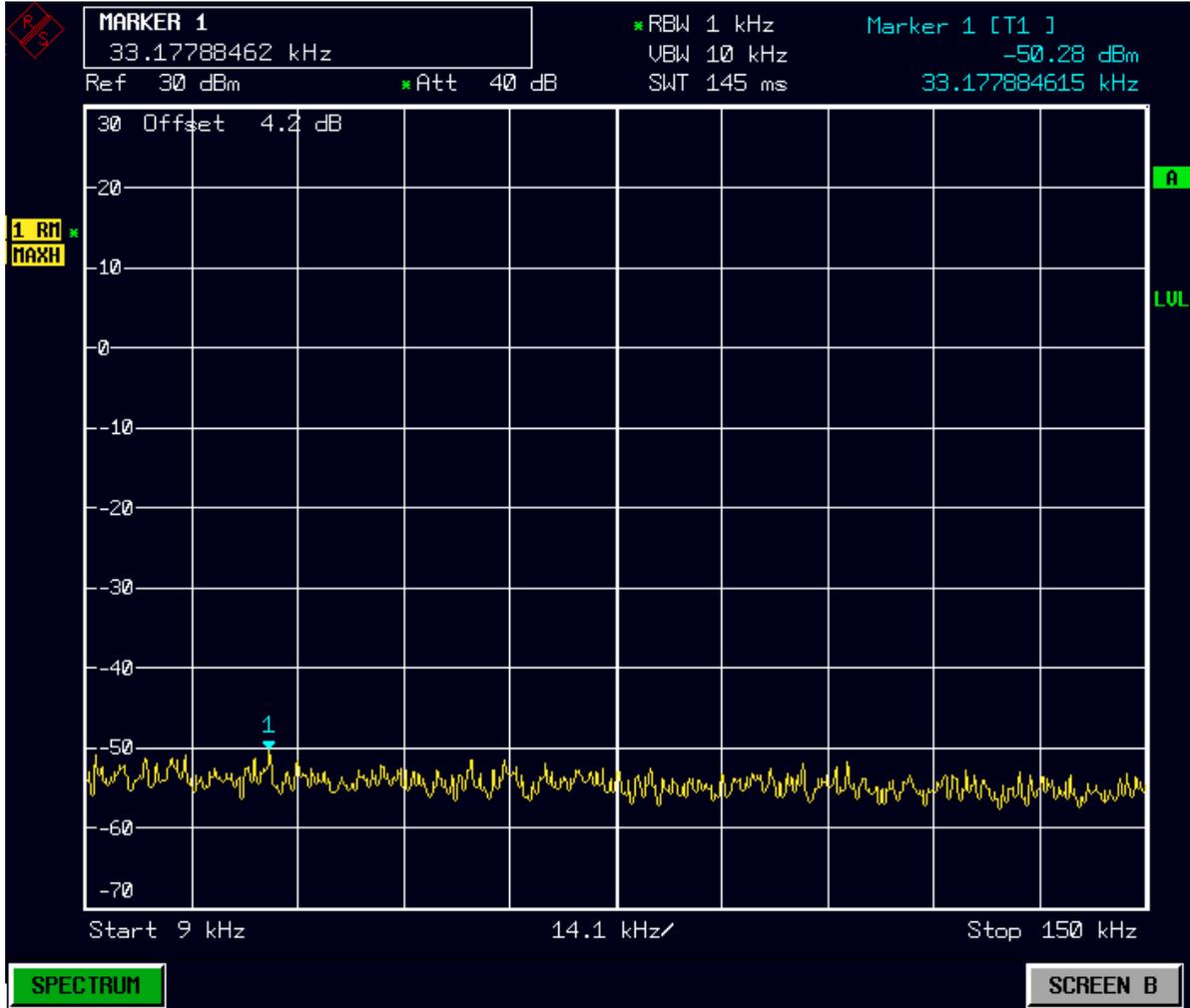


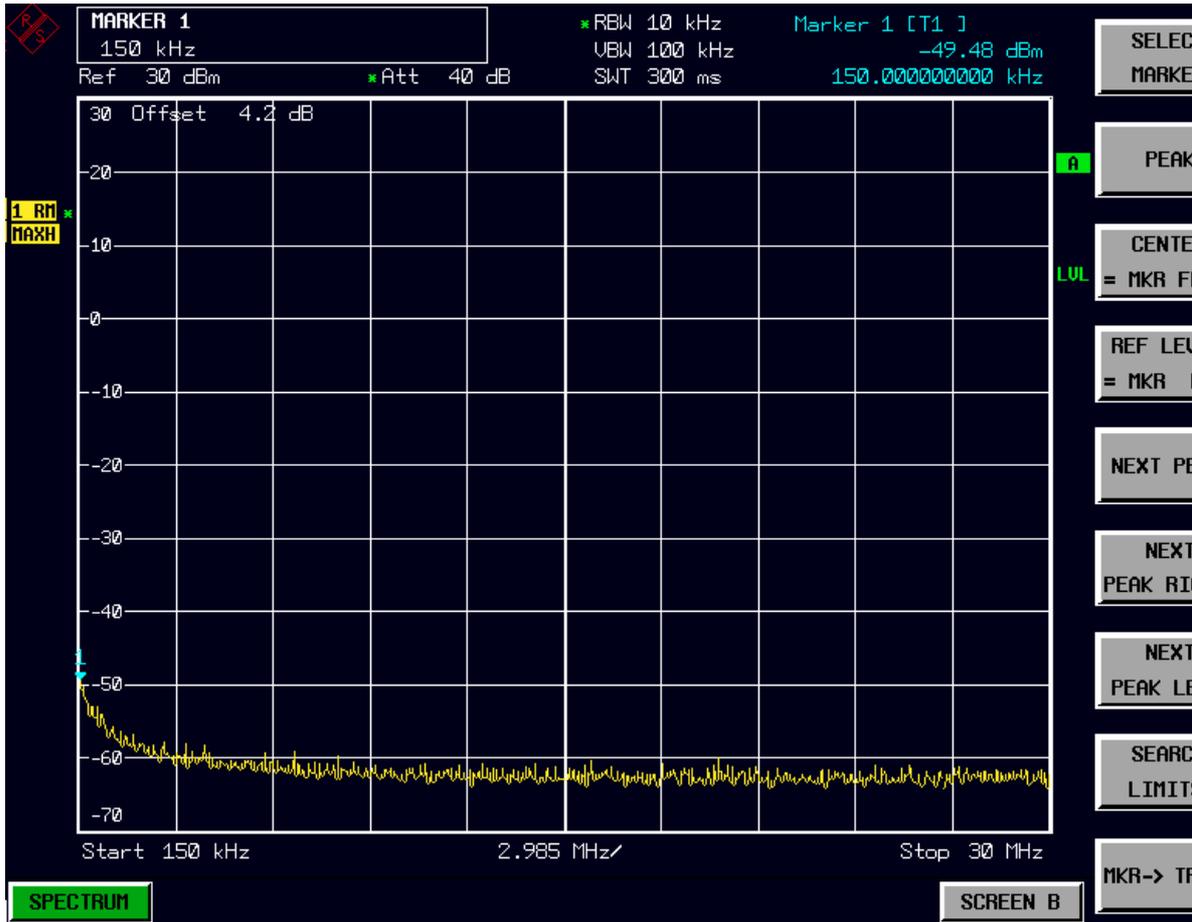


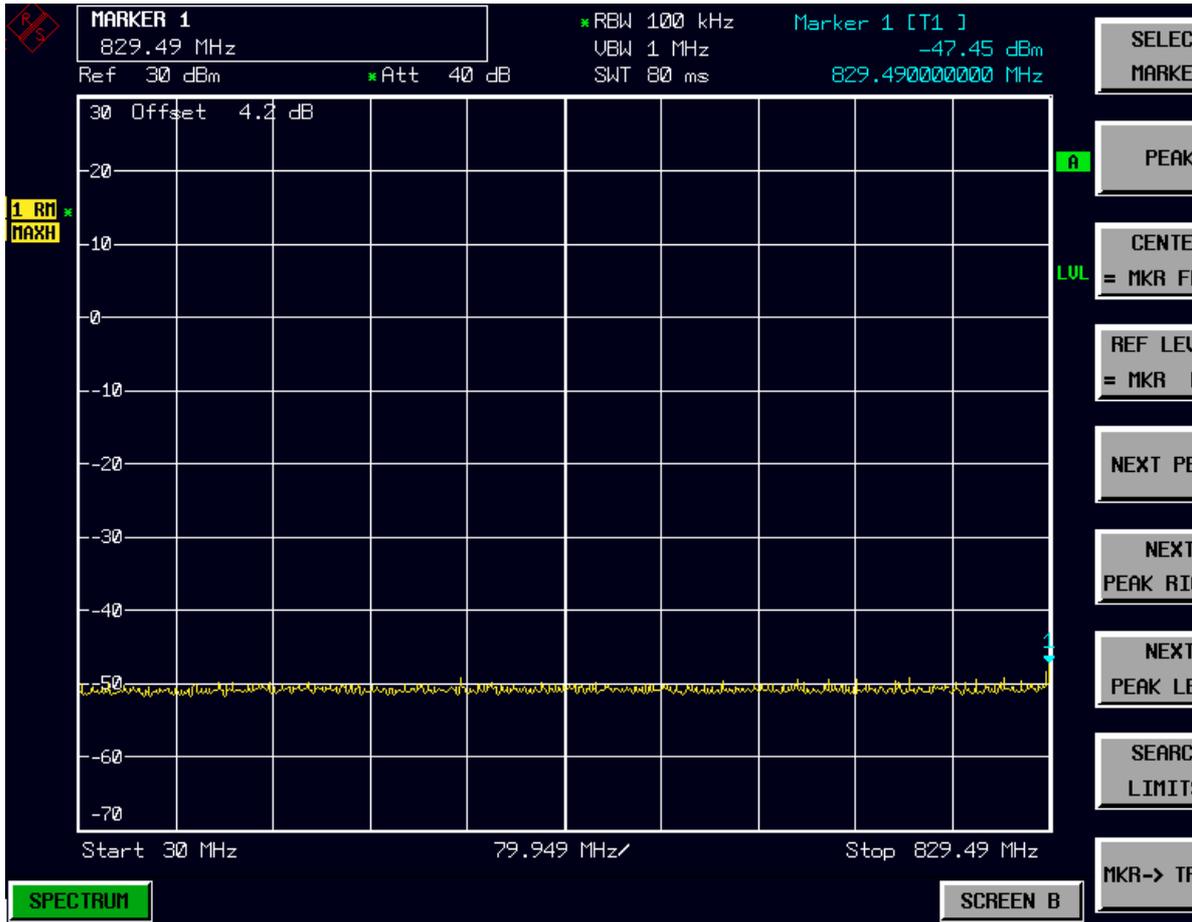




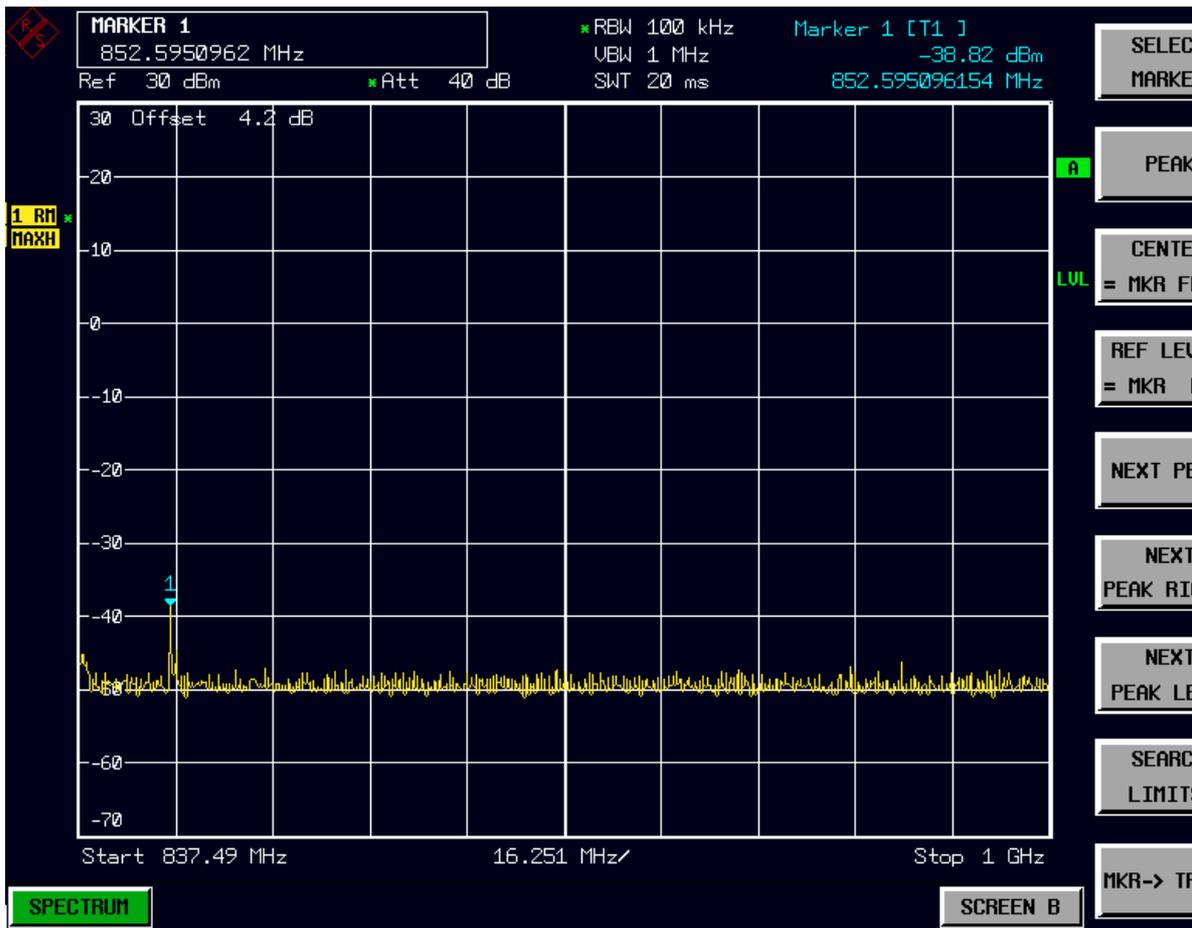
2.2 Channel 283

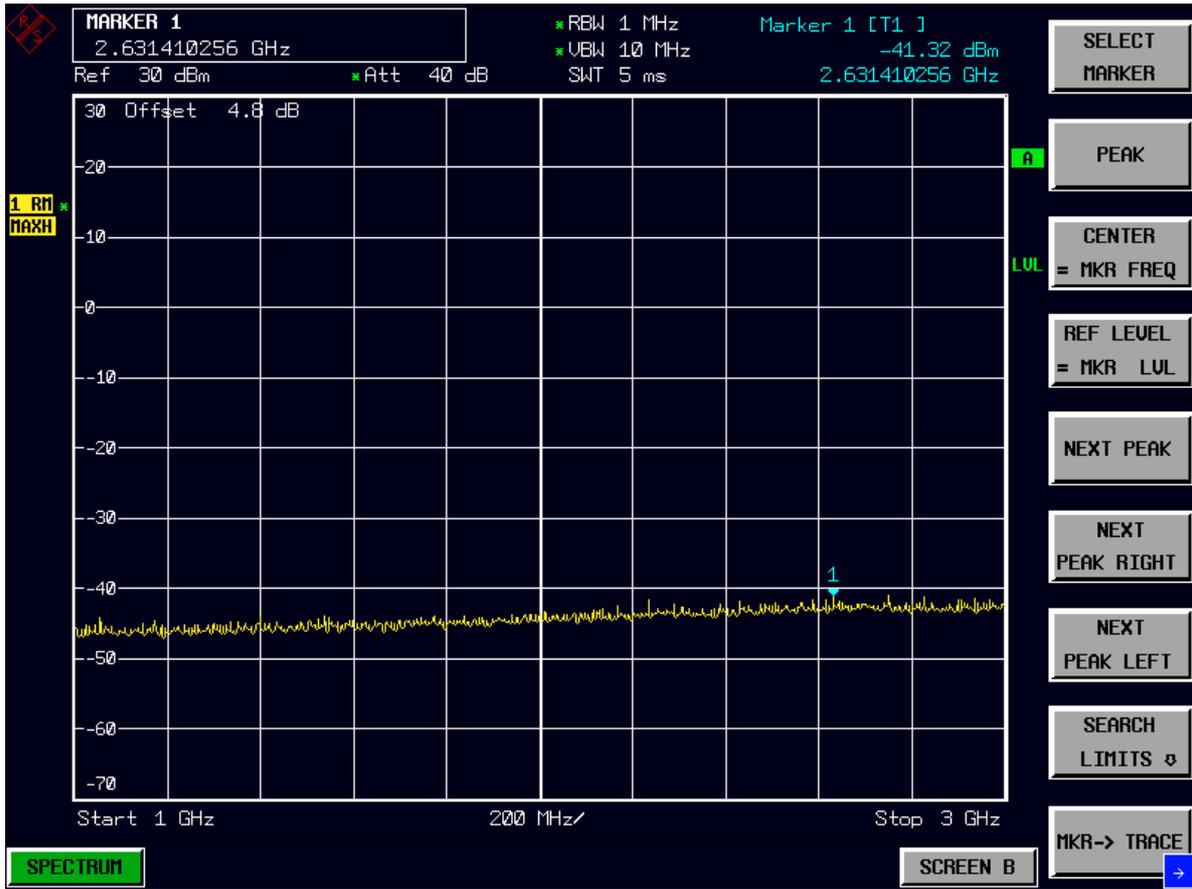


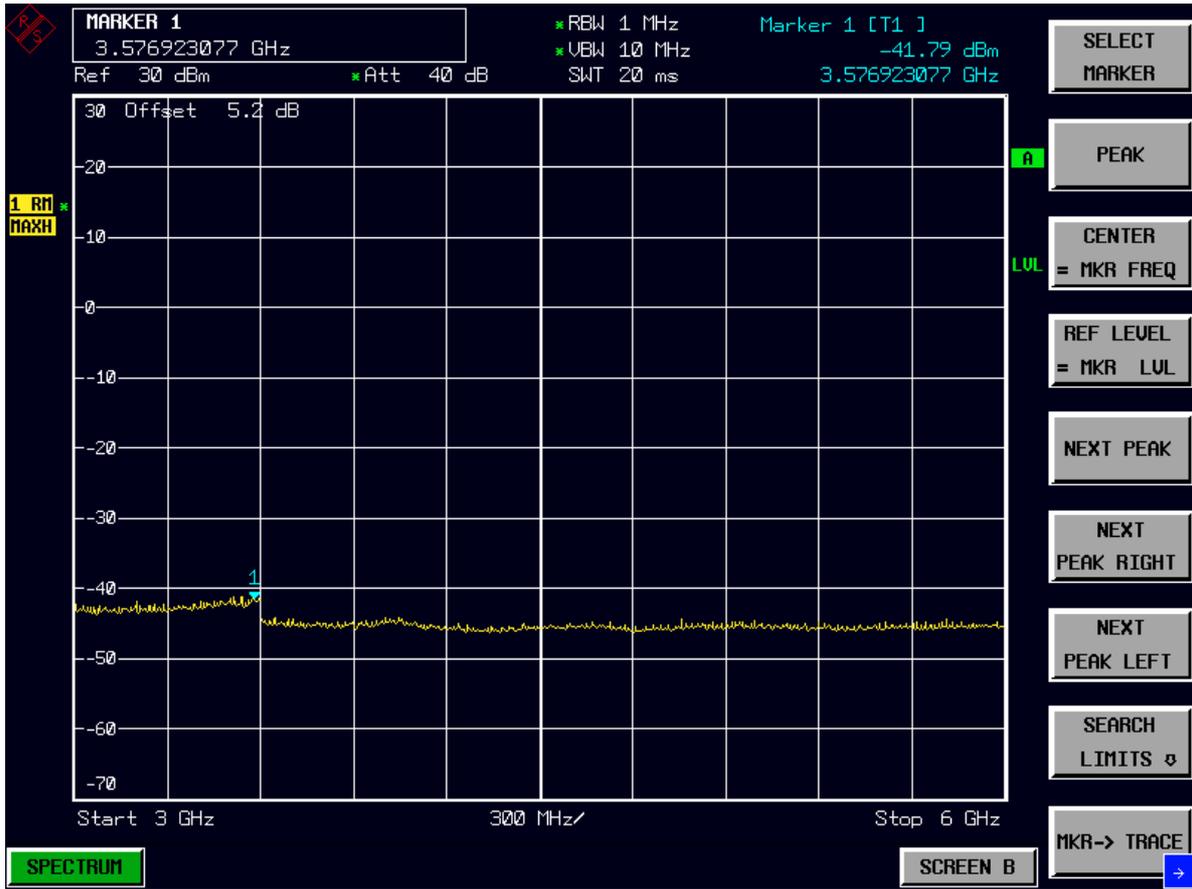


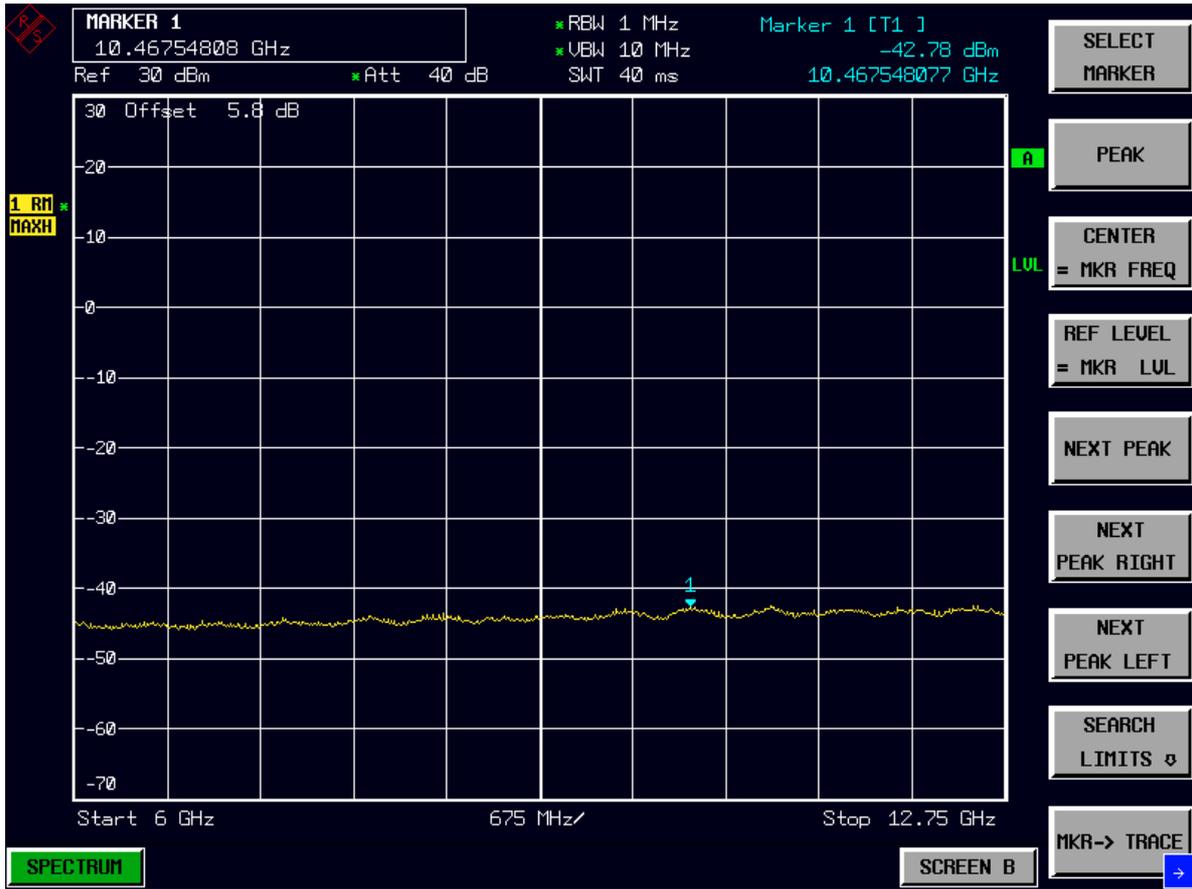




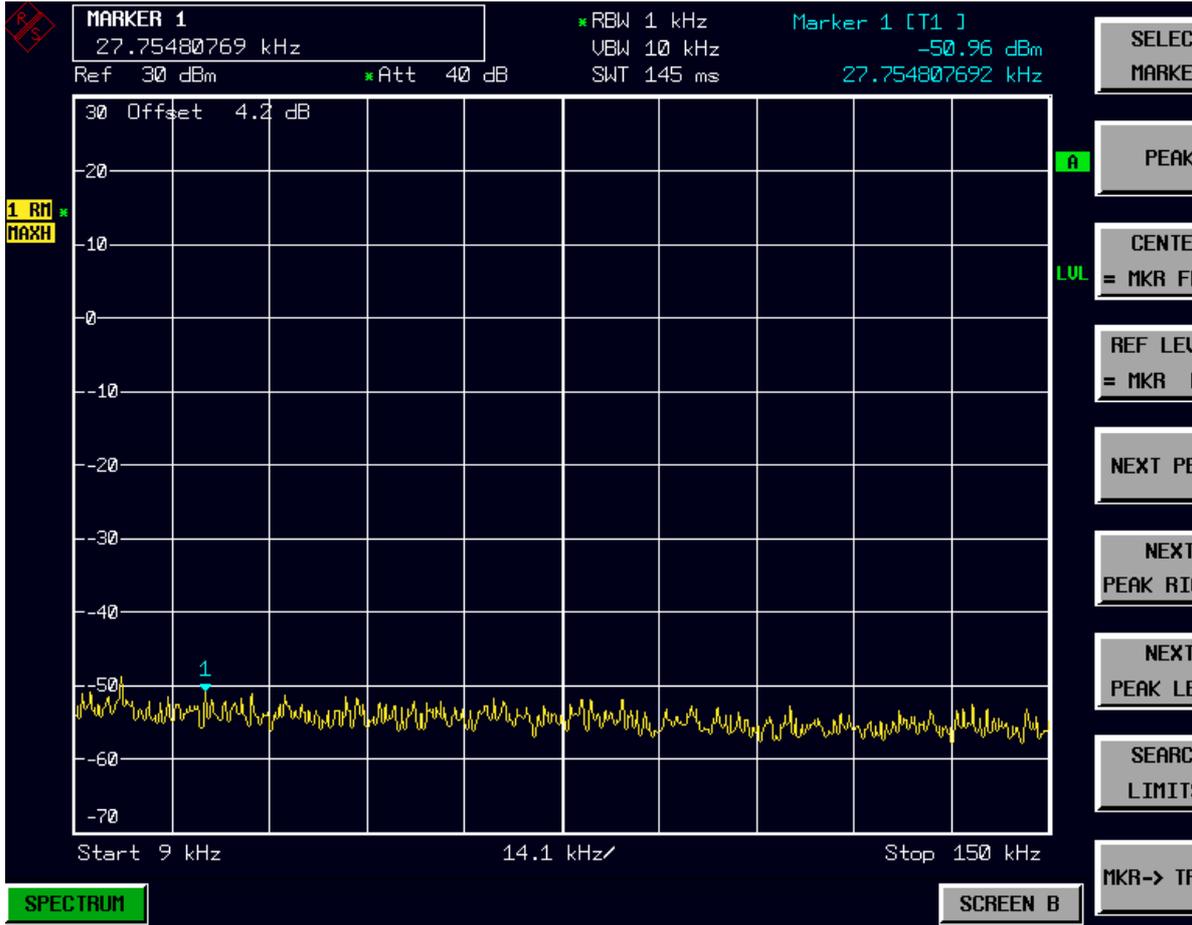


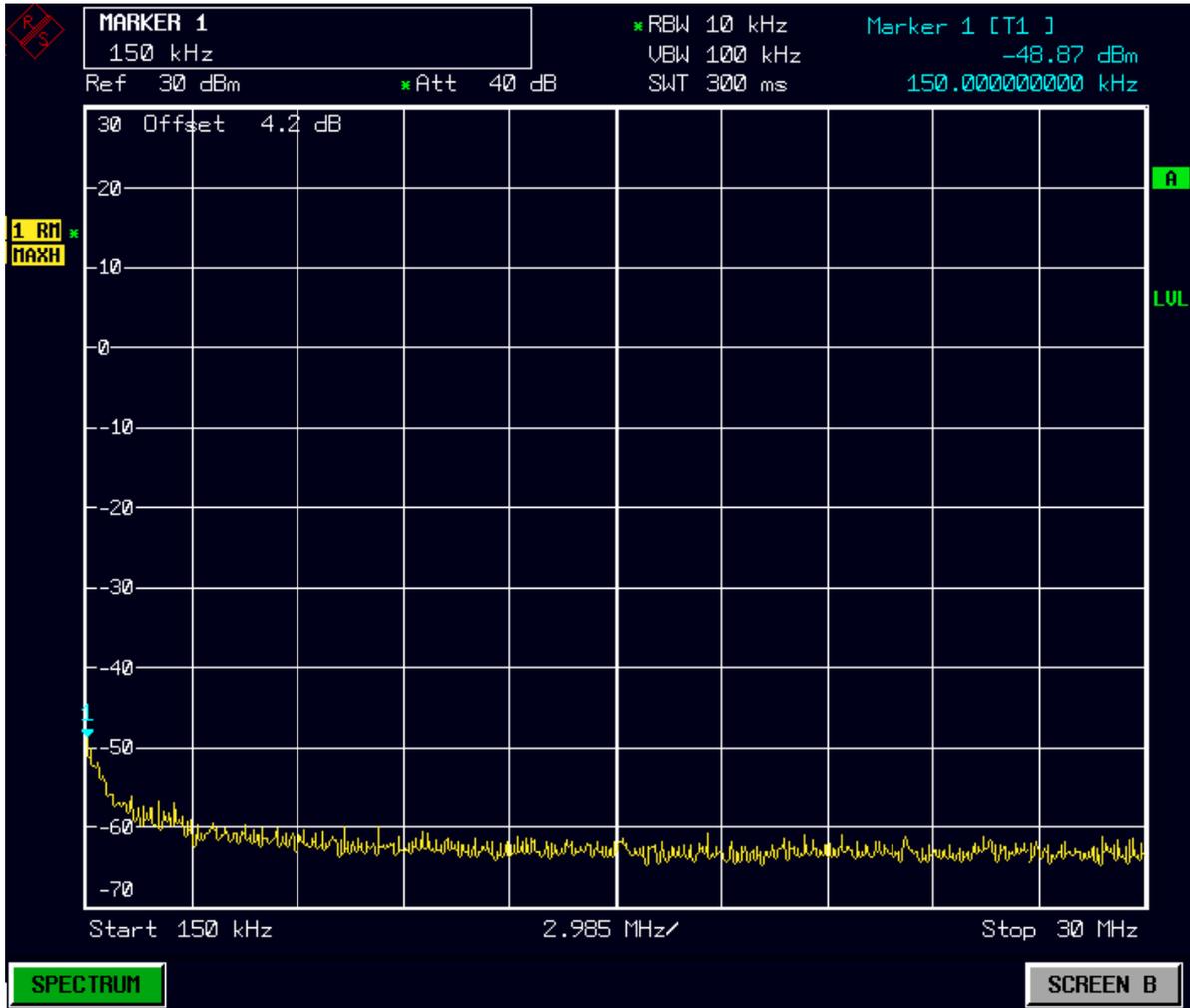


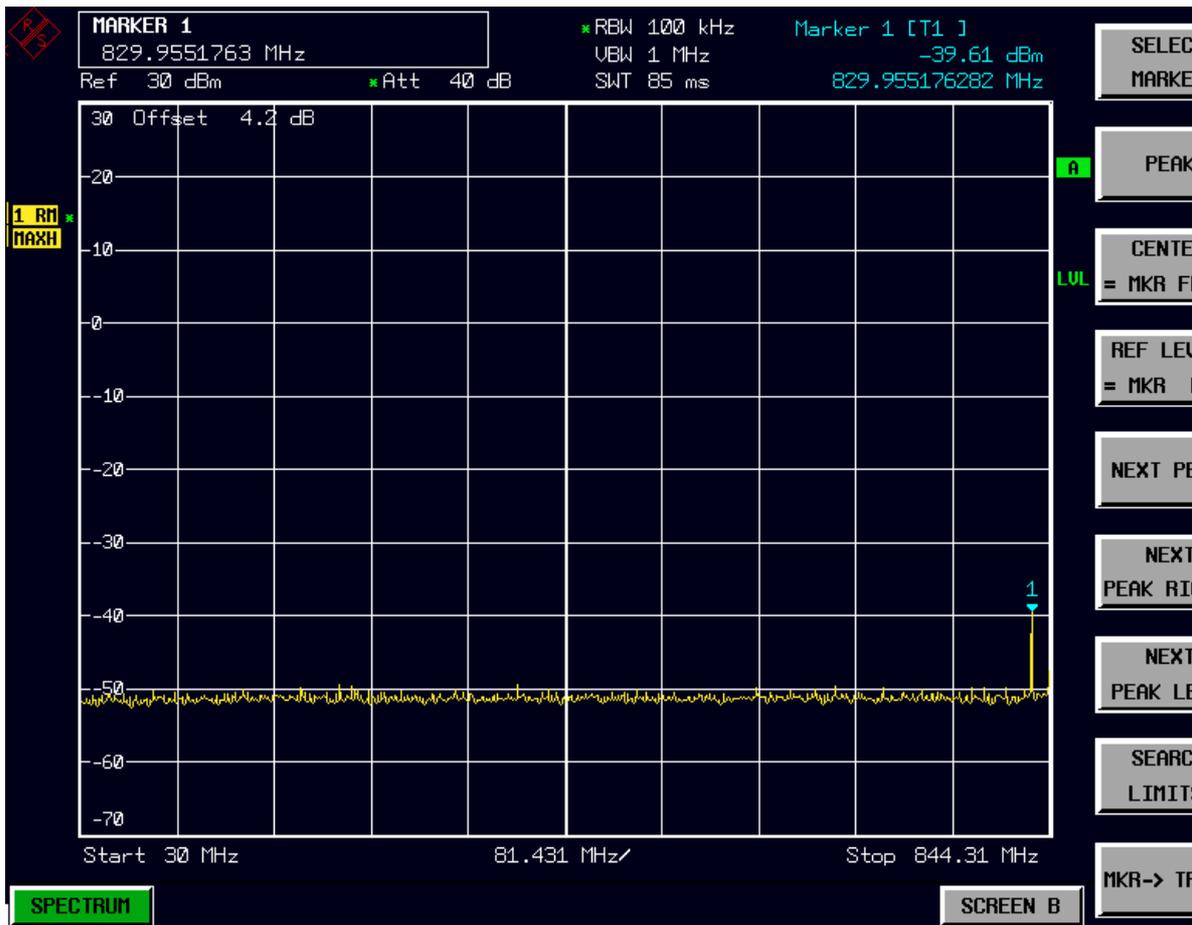


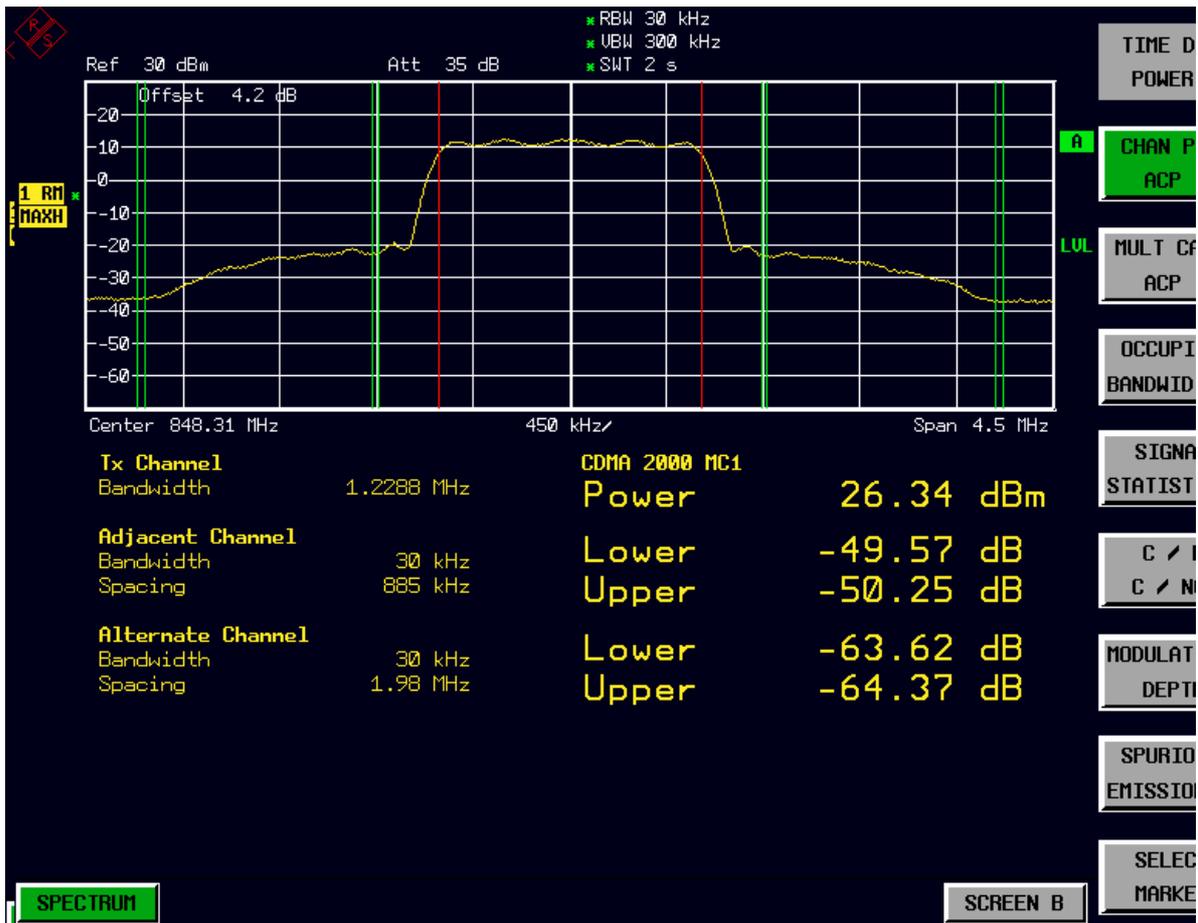


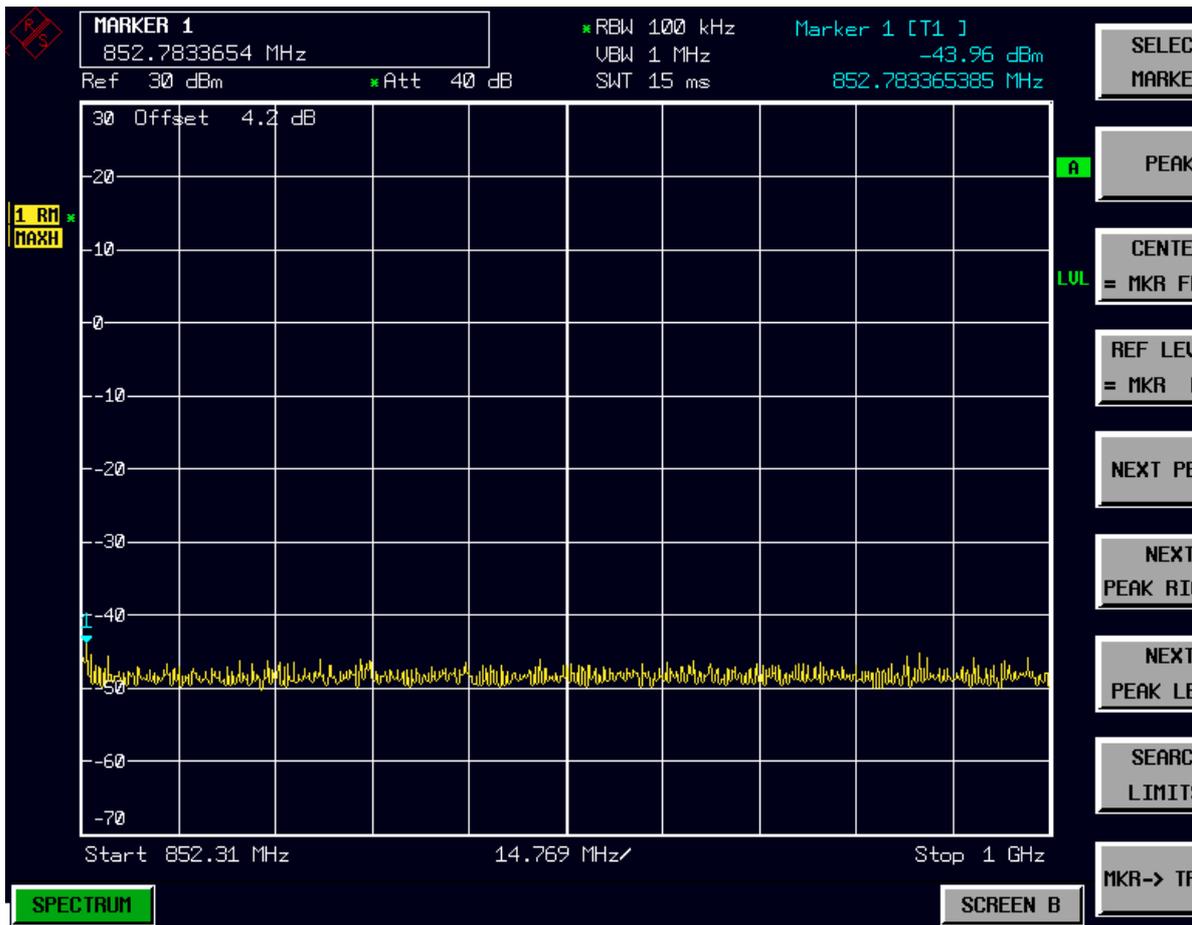
2.3 Channel 777

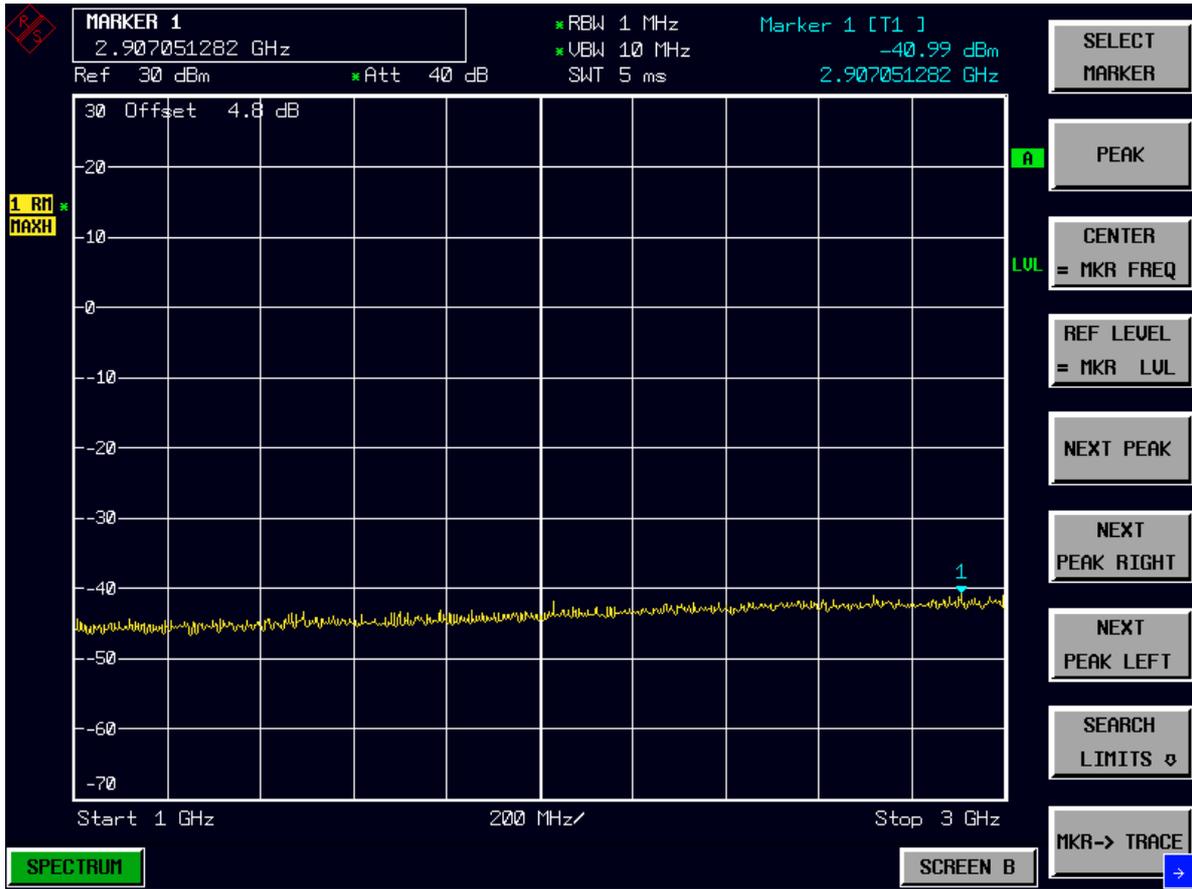


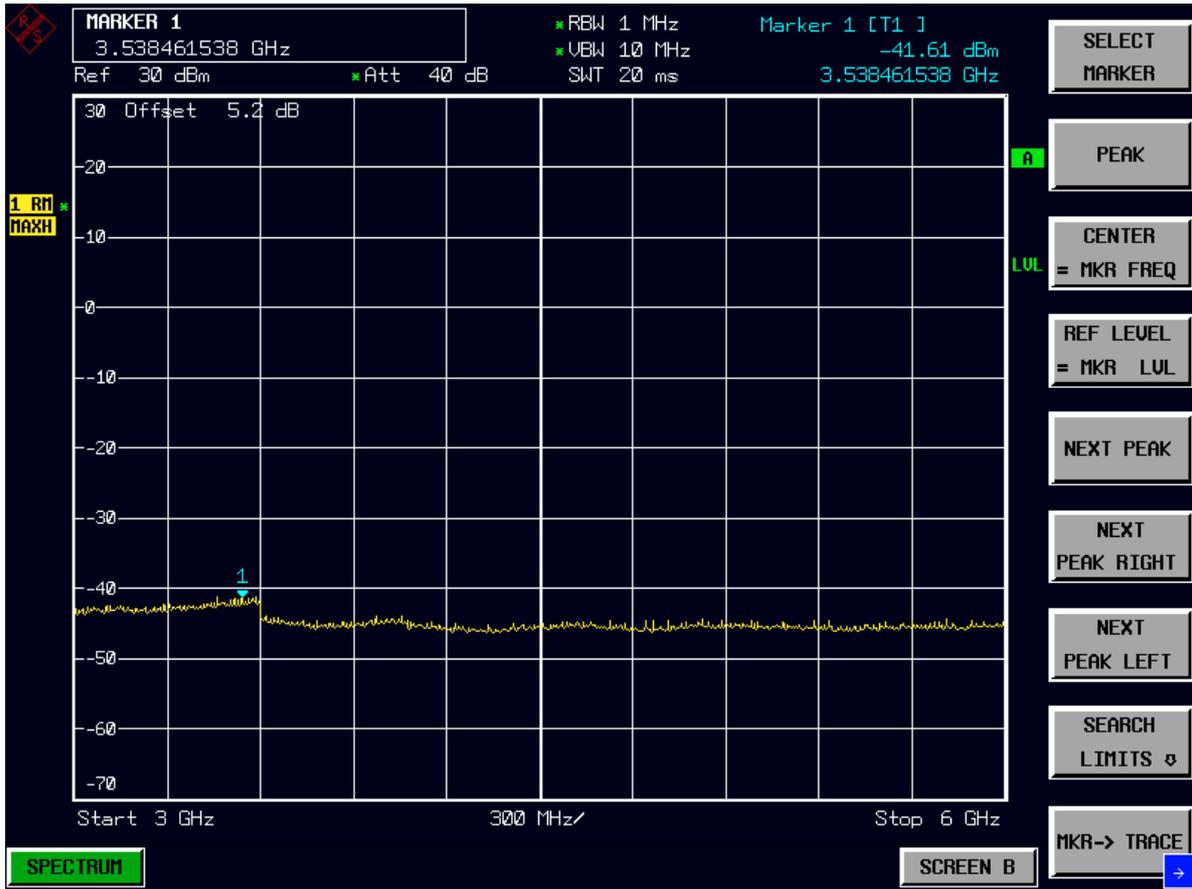


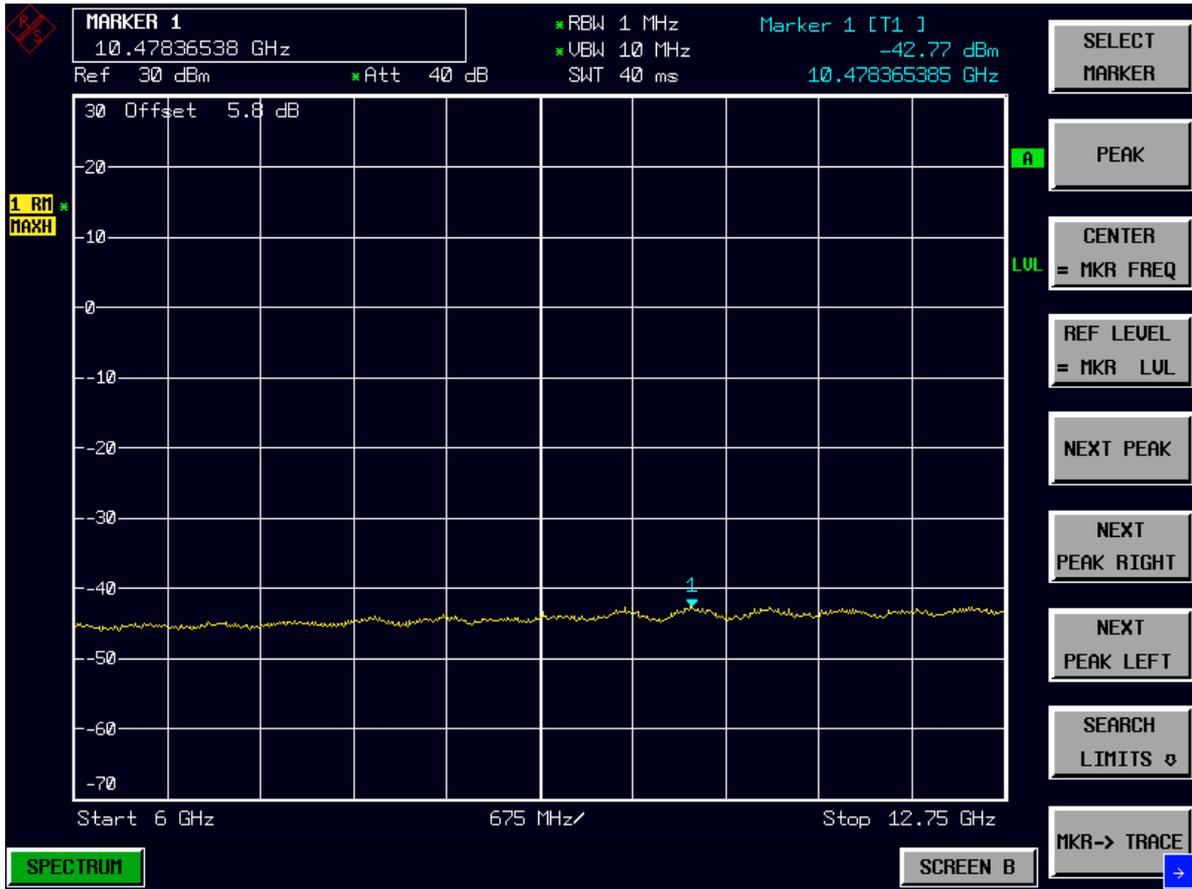










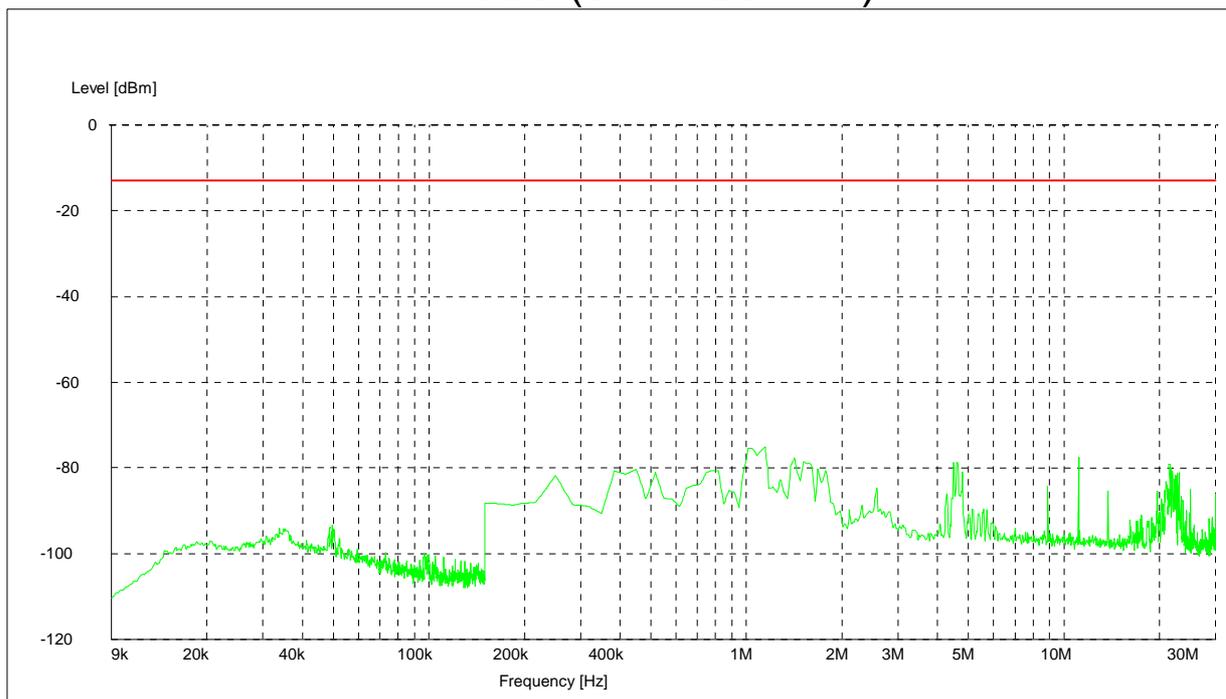


Appendix E

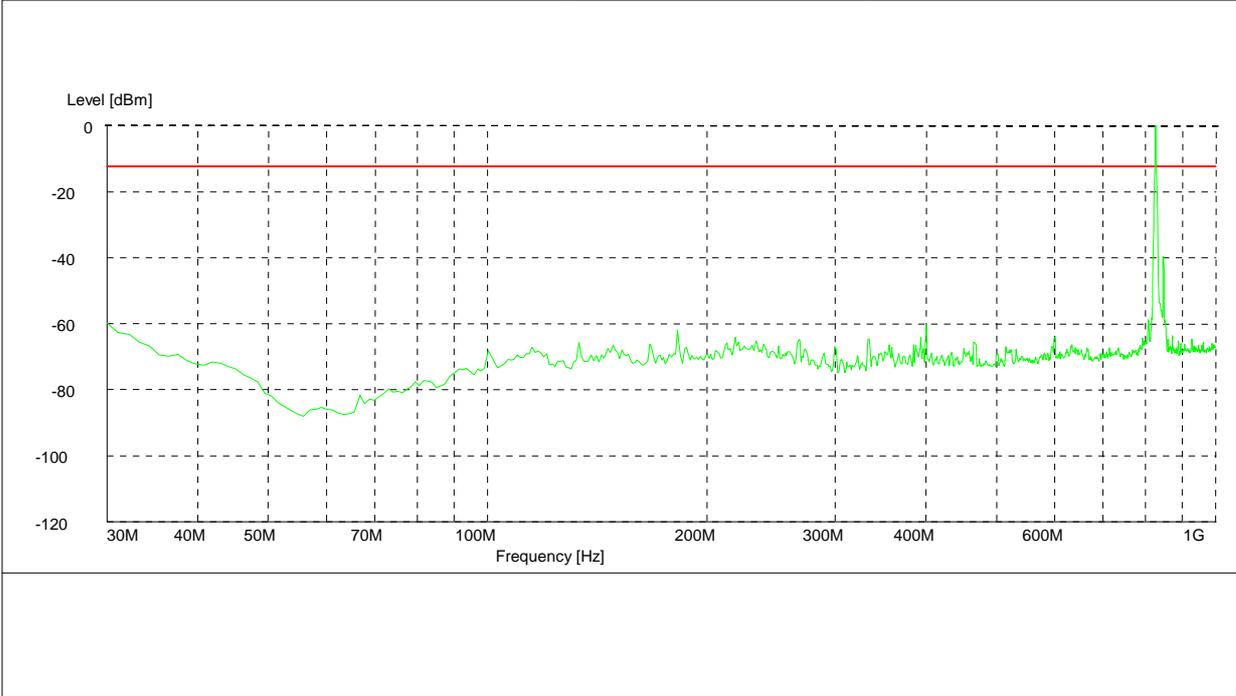
Field Strength of Spurious Radiation

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

TRA Mode (9kHz-30MHz)

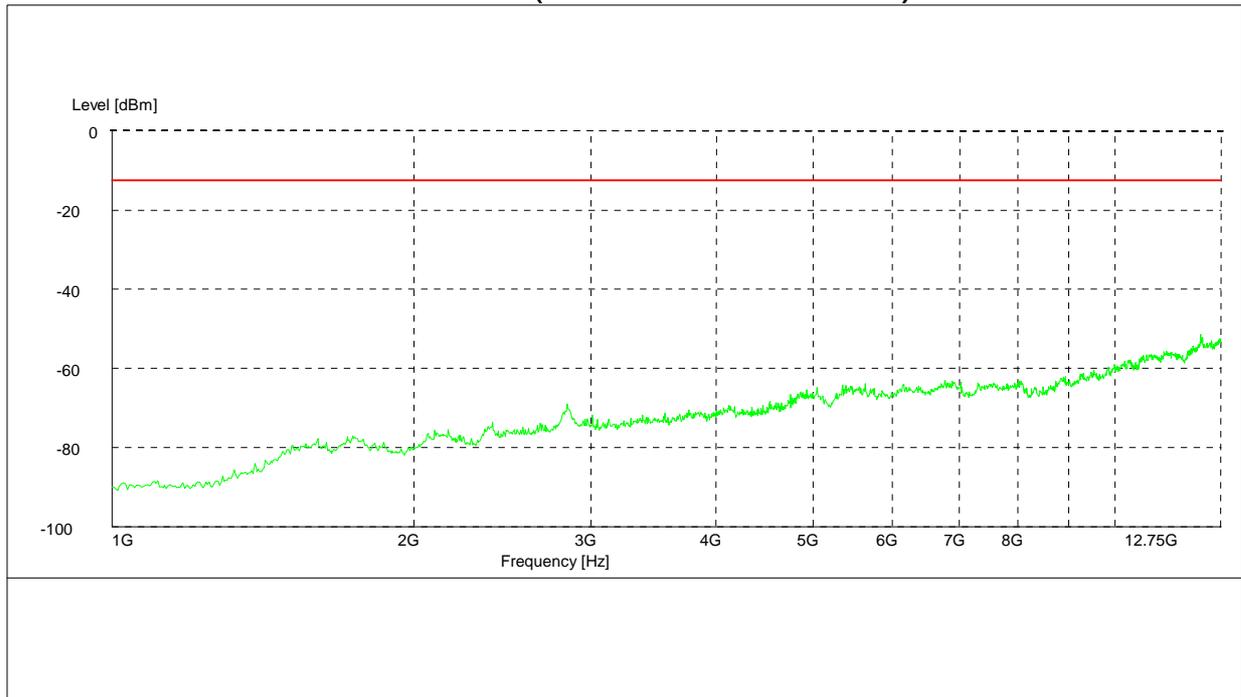


TRA Mode (30MHz-1GHz)

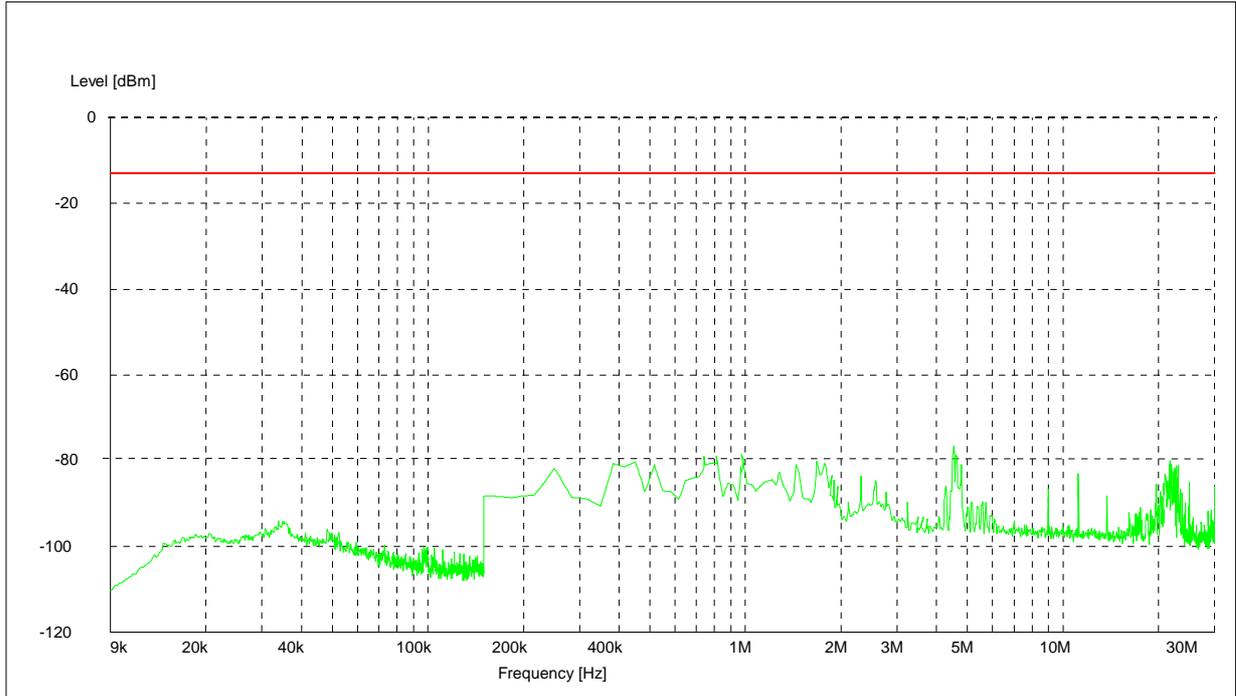


Note: The frequency which exceeded the limit was the carrier frequency.

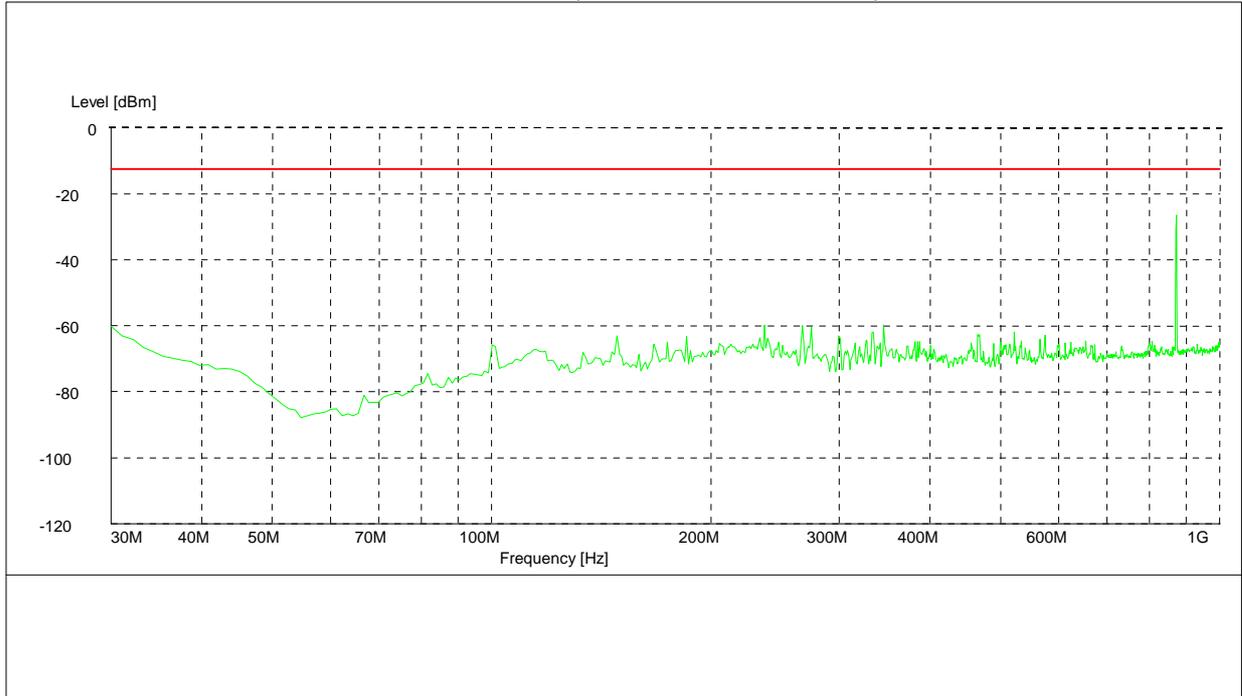
TRA Mode (1GHz-12.75GHz)



IDLE Mode (9kHz-30MHz)

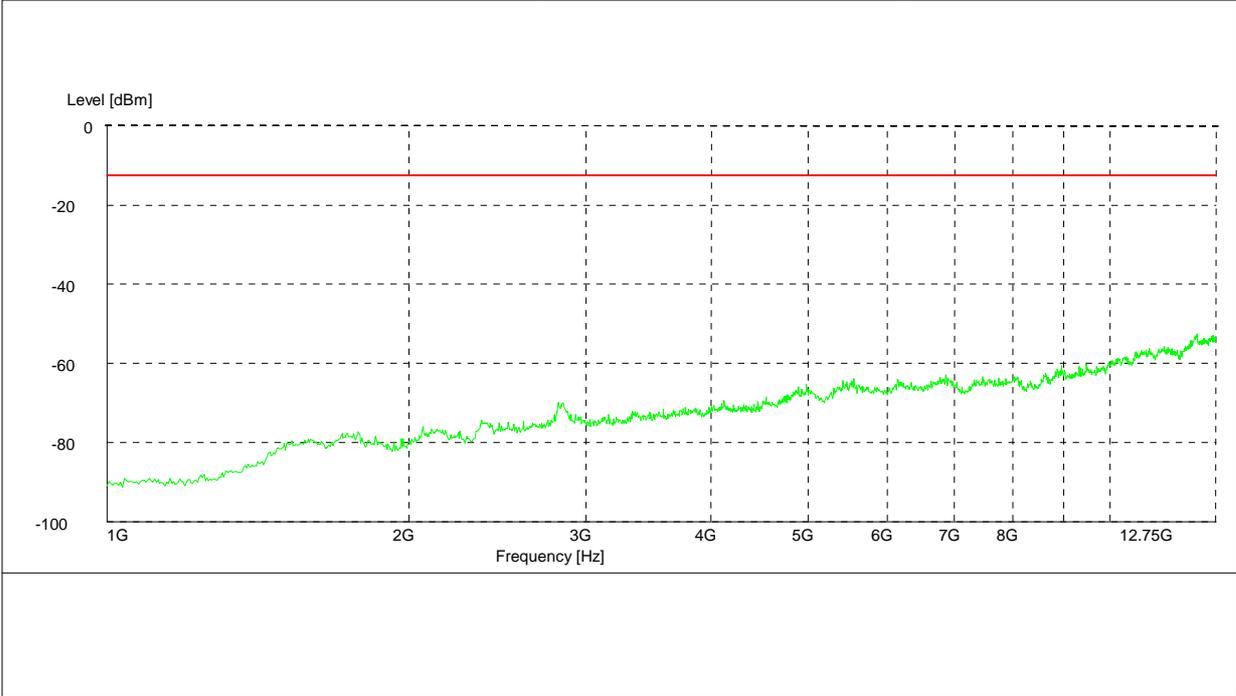


IDLE Mode (30MHz-1GHz)





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: 3.0V, 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		-3.8 Hz			-75.00			
		Time Error:		0.09 us		dBm/1.23 MHz			
		Carrier Feedthrough:		-45.31 dBc		Cell Band			
		Phase Error:		2.20 °		US Cellular			
		Magnitude Error:		5.09 %		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: 3.0V, 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		
	0.9953		-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		
Code Domain Power + Noise							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

Voltage: 3.0V, Channel: 283, Radio Configuration: RC 1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Params			
Waveform Quality Setup ▾	Rho		0.9973			Frequency Error		-0.7 Hz		
	Time Error:		0.07 us			Carrier Feedthrough:		-50.83 dBc		
	Phase Error:		2.33 °			Magnitude Error:		3.42 %		
								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

Voltage: 3.0V, 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			
		0.9956		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	

Voltage: 3.0V, 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		
	0.9963		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		
							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

Voltage: 3.0V, Channel: 777, Radio Configuration: RC 3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho					Call Parm		
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power			
	0.9936		-0.6 Hz			-101.00			
Numeric Rho	Time Error:		0.09 us			dBm/1.23 MHz			
	Carrier Feedthrough:		-50.76 dBc			Cell Band			
Code Domain Power	Phase Error:		2.84 °			US Cellular			
	Magnitude Error:		6.28 %			Channel			
Code Domain Power + Noise	EVM:		8.02 %			777			
			Continuous			Protocol Rev			
		Active Cell		Sys Type: IS-2000			6 (IS-2000-0)		
		Connected					Radio Config		
							(Fud3, Rvs3)		
							S055 (Loopback)		
							FCH Service Option Setup ▾		
1 of 2			IntRef	Offset	T				1 of 4

Voltage: 3.3V, 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		
	0.9956		1.4 Hz				-101.00		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -46.51 dBc				dBm/1.23 MHz		
	Phase Error: 2.81 °		Magnitude Error: 4.51 %				Cell Band		
Code Domain Power	EVM: 6.63 %		Continuous				US Cellular		
Code Domain Power + Noise							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

Voltage: 3.3V, Channel: 283, Radio Configuration: RC 1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho 0.9960		Frequency Error -4.0 Hz				Cell Power	
		Time Error: 0.07 us						-75.00	
		Carrier Feedthrough: -50.16 dBc						dBm/1.23 MHz	
		Phase Error: 2.36 °						Cell Band	
		Magnitude Error: 4.94 %						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

Voltage: 3.3V, 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		Carrier Feedthrough: -48.27 dBc			dBm/1.23 MHz		
Numeric Rho		Phase Error: 2.72 °		Magnitude Error: 5.52 %			Cell Band		
		EVM: 7.30 %		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

Voltage: 3.3V, 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			
	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			Sys Type: IS-2000				
		Connected							
1 of 2			IntRef	Offset	T				1 of 4



Voltage: 3.3V, Channel: 777, Radio Configuration: RC 3/3

Measurement/Instrument Screen										
Control	Waveform Quality: Numeric Rho						Call Parm			
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power			
	0.9964		1.7 Hz				-101.00			
	Time Error: 0.09 us		Carrier Feedthrough: -59.29 dBc				dBm/1.23 MHz			
Numeric Rho	Phase Error: 2.84 °		Magnitude Error: 3.34 %				Cell Band			
	EVM: 5.97 %		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: 3.6V, Channel: 1013, 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		4.6 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			
			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: 3.6V, Channel: 1013, Radio Configuration: RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Parm		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9956		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		
Code Domain Power + Noise							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

Voltage: 3.6V, 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		-1.5 Hz			-75.00			
	Time Error:		0.07 us			dBm/1.23 MHz			
	Carrier Feedthrough:		-49.64 dBc			Cell Band			
	Phase Error:		2.46 °			US Cellular			
	Magnitude Error:		4.78 %			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

Voltage: 3.6V, Channel: 283, Radio Configuration: RC3/3

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾		Rho		Frequency Error			Cell Power			
		0.9951		3.7 Hz			-101.00			
		Time Error: 0.07 us					dBm/1.23 MHz			
Numeric Rho		Carrier Feedthrough: -48.17 dBc					Cell Band			
		Phase Error: 2.70 °					US Cellular			
		Magnitude Error: 5.17 %					Channel			
Code Domain Power		EVM: 7.01 %		Continuous			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	

Voltage: 3.6V, Channel: 777, Radio Configuration: RC1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho					Call Parm		
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power			
	0.9936		6.9 Hz			-75.00			
	Time Error:		0.09 us			dBm/1.23 MHz			
	Carrier Feedthrough:		-44.40 dBc			Cell Band			
	Phase Error:		2.64 °			US Cellular			
	Magnitude Error:		6.65 %			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: 3.6V, Channel: 777, Radio Configuration: RC3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho					Call Parm		
Waveform Quality Setup ▾		Rho		Frequency Error			Cell Power		
		0.9951		4.7 Hz			-101.00		
		Time Error:		0.09 us			dBm/1.23 MHz		
Numeric Rho		Carrier Feedthrough:		-54.26 dBc			Cell Band		
		Phase Error:		2.65 °			US Cellular		
		Magnitude Error:		5.29 %			Channel		
Code Domain Power		EVM:		7.00 %			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			
	0.9957		-1.4 Hz				-75.00		dBm/1.23 MHz	
		Time Error:		0.09 us		Cell Band				
		Carrier Feedthrough:		-52.71 dBc		US Cellular				
		Phase Error:		1.83 °		Channel				
		Magnitude Error:		5.83 %		1013				
		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: 50°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



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, Rus1)			
						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: 777, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho							Call Params	
Waveform Quality Setup ▾	Rho		Frequency Error					Cell Power	
	0.9970		0.1 Hz					-101.00	
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -50.74 dBc					dBm/1.23 MHz	
	Phase Error: 2.47 °		Magnitude Error: 3.35 %					Cell Band	
Code Domain Power	EVM: 5.46 %		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 ▾	
	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	
		0.9958		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: 40°C, Channel: 1013, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho 0.9972		Frequency Error 0.2 Hz				Cell Power	
		Time Error: 0.09 us		Carrier Feedthrough: -49.89 dBc				-101.00	
Numeric Rho		Phase Error: 2.42 °		Magnitude Error: 3.27 %				dBm/1.23 MHz	
		EVM: 5.34 %						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: 40°C, Channel: 283, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Parm	
Waveform Quality Setup ▾	Rho		Frequency Error		Cell Power		-75.00		
	0.9962		1.3 Hz		dBm/1.23 MHz		Cell Band		
	Time Error: 0.07 us		Carrier Feedthrough: -45.62 dBc		US Cellular		Channel		
	Phase Error: 2.33 °		Magnitude Error: 4.80 %		283		Protocol Rev		
					Continuous		6 (IS-2000-0)		
							Radio Config		
							(Fud1, Rus1)		
							S02 (Loopback)		
							FCH Service Option Setup ▾		
1 of 2		Active Cell Connected		Sys Type: IS-2000		1 of 4			
			IntRef	Offset	T				

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	
		0.9956		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 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	
	0.9950		3.4 Hz					-101.00	
Numeric Rho	Time Error:		0.09 us					dBm/1.23 MHz	
	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			Sys Type: IS-2000			
			Connected						
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		
	0.9953		-0.6 Hz				-75.00		
	Time Error:		0.09 us				dBm/1.23 MHz		
	Carrier Feedthrough:		-51.31 dBc				Cell Band		
	Phase Error:		2.65 °				US Cellular		
	Magnitude Error:		5.22 %				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: 30°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		
	0.9949		-0.4 Hz				-101.00		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -47.93 dBc				dBm/1.23 MHz		
	Phase Error: 2.65 °		Magnitude Error: 5.44 %				Cell Band		
Code Domain Power	EVM: 7.15 %		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: 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			
	0.9959		3.3 Hz				-75.00		dBm/1.23 MHz	
		Time Error:		0.07 us		Cell Band				
		Carrier Feedthrough:		-52.61 dBc		US Cellular				
		Phase Error:		2.26 °		Channel				
		Magnitude Error:		5.22 %		283				
		Continuous						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: 30°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		
	0.9966		-0.3 Hz				-101.00		
	Time Error: 0.07 us		Carrier Feedthrough: -63.66 dBc				dBm/1.23 MHz		
Numeric Rho	Phase Error: 2.42 °		Magnitude Error: 4.03 %				Cell Band		
	EVM: 5.84 %		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 Params	
Waveform Quality Setup ▾	▾	Rho		Frequency Error				Cell Power	
		0.9954		4.7 Hz				-75.00	
		Time Error:		0.09 us				dBm/1.23 MHz	
		Carrier Feedthrough:		-56.07 dBc				Cell Band	
		Phase Error:		2.18 °				US Cellular	
		Magnitude Error:		5.70 %				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		
	0.9948		3.9 Hz				-101.00		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -47.48 dBc				dBm/1.23 MHz		
	Phase Error: 2.87 °		Magnitude Error: 5.25 %				Cell Band		
Code Domain Power	EVM: 7.25 %		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 ▾		
			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 Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power			
	0.9960		-3.8 Hz				-75.00			
		Time Error:		0.09 us		dBm/1.23 MHz				
		Carrier Feedthrough:		-45.31 dBc		Cell Band				
		Phase Error:		2.20 °		US Cellular				
		Magnitude Error:		5.09 %		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 Parm		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9956		1.4 Hz				-101.00		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -46.51 dBc				dBm/1.23 MHz		
	Phase Error: 2.81 °		Magnitude Error: 4.51 %				Cell Band		
Code Domain Power	EVM: 6.63 %		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: 20°C, Channel: 283, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Parm		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9973		-0.7 Hz				-75.00		
	Time Error:		0.07 us				dBm/1.23 MHz		
	Carrier Feedthrough:		-50.83 dBc				Cell Band		
	Phase Error:		2.33 °				US Cellular		
	Magnitude Error:		3.42 %				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 Parm			
Waveform Quality Setup ▾	Rho 0.9947		Frequency Error 1.5 Hz				Cell Power	-101.00		
Numeric Rho	Time Error: 0.07 us		Carrier Feedthrough: -48.27 dBc				dBm/1.23 MHz	Cell Band		
Code Domain Power	Phase Error: 2.72 °		Magnitude Error: 5.52 %				US Cellular	Channel		
Code Domain Power + Noise	EVM: 7.30 %		Continuous				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			
	0.9963		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				
								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									
		0.9964		1.7 Hz				-101.00									
		Time Error:		0.09 us				dBm/1.23 MHz									
Numeric Rho		Carrier Feedthrough:		-59.29 dBc				Cell Band									
		Phase Error:		2.84 °				US Cellular									
		Magnitude Error:		3.34 %				Channel									
Code Domain Power		EVM:		5.97 %				777									
		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								

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 Parm	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell Power	
		0.9951		1.3 Hz				-101.00	
		Time Error:		0.09 us				dBm/1.23 MHz	
Numeric Rho		Carrier Feedthrough:		-53.17 dBc				Cell Band	
		Phase Error:		2.43 °				US Cellular	
		Magnitude Error:		5.55 %				Channel	
Code Domain Power		EVM:		7.00 %				1013	
				Continuous				Protocol Rev	
								6 (IS-2000-0)	
Code Domain Power + Noise								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
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 Params		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9974		1.3 Hz				-75.00		
	Time Error:		0.07 us				dBm/1.23 MHz		
	Carrier Feedthrough:		-43.18 dBc				Cell Band		
	Phase Error:		2.19 °				US Cellular		
	Magnitude Error:		3.48 %				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: 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		-1.1 Hz			-101.00		
		Time Error:		0.07 us			dBm/1.23 MHz		
Numeric Rho		Carrier Feedthrough:		-47.18 dBc			Cell Band		
		Phase Error:		2.44 °			US Cellular		
		Magnitude Error:		5.16 %			Channel		
Code Domain Power		EVM:		6.68 %			283		
				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

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	
		0.9963		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

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									
		0.9970		0.1 Hz				-101.00									
		Time Error:		0.09 us				dBm/1.23 MHz									
Numeric Rho		Carrier Feedthrough:		-50.74 dBc				Cell Band									
		Phase Error:		2.47 °				US Cellular									
		Magnitude Error:		3.35 %				Channel									
Code Domain Power		EVM:		5.46 %				777									
		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								

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		
	0.9951		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 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 Parm		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9949		-0.4 Hz				-101.00		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -47.93 dBc				dBm/1.23 MHz		
	Phase Error: 2.65 °		Magnitude Error: 5.44 %				Cell Band		
Code Domain Power	EVM: 7.15 %		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: 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		Cell Band	Channel
	0.9960		-4.0 Hz				-75.00		US Cellular	283
		Time Error:		0.07 us				Protocol Rev		
		Carrier Feedthrough:		-50.16 dBc				6 (IS-2000-0)		
		Phase Error:		2.36 °				Radio Config		
		Magnitude Error:		4.94 %				(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 Parm		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9966		-0.3 Hz				-101.00		
	Time Error: 0.07 us		Carrier Feedthrough: -63.66 dBc				dBm/1.23 MHz		
Numeric Rho	Phase Error: 2.42 °		Magnitude Error: 4.03 %				Cell Band		
	EVM: 5.84 %		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: 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			
	0.9945		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				Sys Type: IS-2000				
		Connected								
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 Parm		
Waveform Quality Setup ▾	Rho		Frequency Error				Cell Power		
	0.9948		3.9 Hz				-101.00		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -47.48 dBc				dBm/1.23 MHz		
	Phase Error: 2.87 °		Magnitude Error: 5.25 %				Cell Band		
Code Domain Power	EVM: 7.25 %		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 ▾		
			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		0.9958			Frequency Error		2.0 Hz		
	Time Error:		0.09 us			Carrier Feedthrough:		-50.32 dBc		
	Phase Error:		2.45 °			Magnitude Error:		5.00 %		
								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

Temperature: -10°C, Channel: 1013, Radio Configuration :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		
Numeric Rho	Phase Error: 3.12 °		Magnitude Error: 4.38 %				dBm/1.23 MHz		
	EVM: 7.01 %		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: -10°C, Channel: 283, Radio Configuration :RC3/3

Measurement/Instrument Screen										
Control	Waveform Quality: Numeric Rho						Call Params			
Waveform Quality Setup ▾	Rho 0.9959		Frequency Error 4.9 Hz				Cell Power	-101.00		
Numeric Rho	Time Error: 0.07 us		Carrier Feedthrough: -54.03 dBc				Cell Band	US Cellular		
Code Domain Power	Phase Error: 2.83 °		Magnitude Error: 4.05 %				Channel	283		
Code Domain Power + Noise	EVM: 6.40 %		Continuous				Protocol Rev	6 (IS-2000-0)		
	Active Cell Connected		Sys Type: IS-2000				Radio Config	(Fud3, Rvs3) S055 (Loopback)		
1 of 2			IntRef	Offset	T		FCH Service Option Setup ▾			
								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			
	0.9953		-1.4 Hz				-75.00		dBm/1.23 MHz	
		Time Error:		0.09 us		Cell Band				
		Carrier Feedthrough:		-52.23 dBc		US Cellular				
		Phase Error:		2.16 °		Channel				
		Magnitude Error:		5.84 %		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: -20°C, Channel: 1013, Radio Configuration :RC1/1

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾	Rho		0.9956			Frequency Error		-0.1 Hz		
	Time Error:		0.09 us			Carrier Feedthrough:		-48.23 dBc		
	Phase Error:		2.28 °			Magnitude Error:		5.40 %		
								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

Temperature: -20°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		
	0.9952		-2.1 Hz				-101.00		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -47.67 dBc				dBm/1.23 MHz		
	Phase Error: 2.89 °		Magnitude Error: 4.84 %				Cell Band		
Code Domain Power	EVM: 6.98 %		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: -20°C, Channel: 283, Radio Configuration :RC1/1

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho					Call Parm		
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power			
	0.9962		1.3 Hz			-75.00			
	Time Error:		0.07 us			dBm/1.23 MHz			
	Carrier Feedthrough:		-45.62 dBc			Cell Band			
	Phase Error:		2.33 °			US Cellular			
	Magnitude Error:		4.80 %			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: -20°C, Channel: 283, Radio Configuration :RC3/3

Measurement/Instrument Screen										
Control	Waveform Quality: Numeric Rho						Call Params			
Waveform Quality Setup ▾	Rho 0.9971		Frequency Error -0.1 Hz				Cell Power	-101.00		
Numeric Rho	Time Error: 0.07 us		Carrier Feedthrough: -48.55 dBc				Cell Band	dBm/1.23 MHz		
Code Domain Power	Phase Error: 2.62 °		Magnitude Error: 2.85 %				Channel	US Cellular		
Code Domain Power + Noise	EVM: 5.40 %		Continuous				Channel	283		
							Protocol Rev	6 (IS-2000-0)		
							Radio Config	(Fud3, Rvs3)		
							FCH Service Option Setup ▾	S055 (Loopback)		
			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				
			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: -20°C, Channel: 777, Radio Configuration :RC3/3

Measurement/Instrument Screen									
Control	Waveform Quality: Numeric Rho						Call Params		
Waveform Quality Setup ▾	Rho 0.9942		Frequency Error 6.0 Hz				Cell Power		
	Time Error: 0.09 us		Carrier Feedthrough: -54.28 dBc				-101.00		
Numeric Rho	Phase Error: 2.52 °		Magnitude Error: 6.27 %				dBm/1.23 MHz		
	EVM: 7.65 %		Continuous				Cell Band		
Code Domain Power							US Cellular		
							Channel		
Code Domain Power + Noise							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		0.9960			Frequency Error		0.8 Hz		
	Time Error:		0.09 us			Carrier Feedthrough:		-45.24 dBc		
	Phase Error:		2.09 °			Magnitude Error:		5.21 %		
								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

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

Measurement/Instrument Screen										
Control		Waveform Quality: Numeric Rho					Call Parm			
Waveform Quality Setup ▾	Rho		Frequency Error			Cell Power				
	0.9972		-2.8 Hz			-75.00				
	Time Error:		0.07 us			dBm/1.23 MHz				
	Carrier Feedthrough:		-47.17 dBc			Cell Band				
	Phase Error:		2.08 °			US Cellular				
	Magnitude Error:		3.96 %			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 0.9958		Frequency Error 0.0 Hz				Cell Power	-101.00		
Numeric Rho	Time Error: 0.07 us		Carrier Feedthrough: -46.19 dBc				dBm/1.23 MHz	Cell Band		
Code Domain Power	Phase Error: 2.55 °		Magnitude Error: 4.70 %				US Cellular	Channel		
Code Domain Power + Noise	EVM: 6.47 %		Continuous				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: -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		
	0.9956		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 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 Parm			
Waveform Quality Setup ▾	Rho 0.9943		Frequency Error 1.6 Hz				Cell Power	-101.00		
Numeric Rho	Time Error: 0.09 us		Carrier Feedthrough: -56.13 dBc				dBm/1.23 MHz	Cell Band		
Code Domain Power	Phase Error: 3.13 °		Magnitude Error: 5.30 %				US Cellular	Channel		
Code Domain Power + Noise	EVM: 7.57 %		Continuous				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 G

Conducted Emission at Power Port

According to CFR 47 (FCC) part 15.107

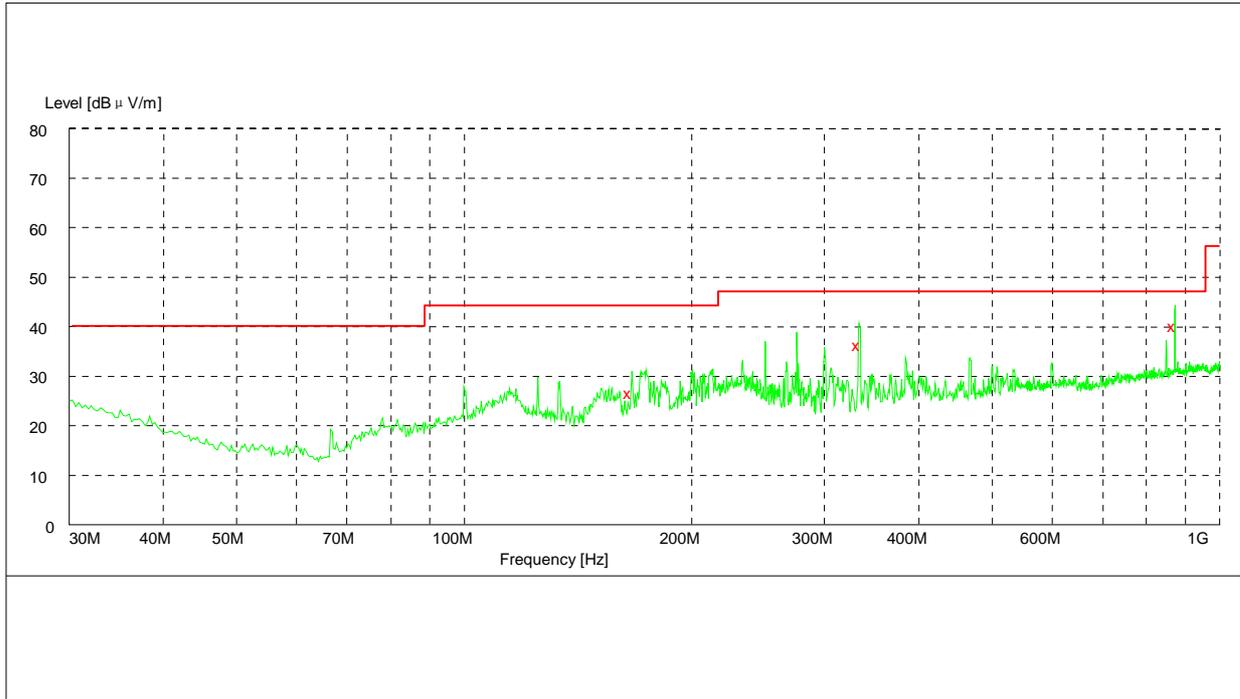


Not Application for Data Card

Appendix H

Radiated Emission of Enclosure in Idle Mode

According to CFR 47 (FCC) part 15.109



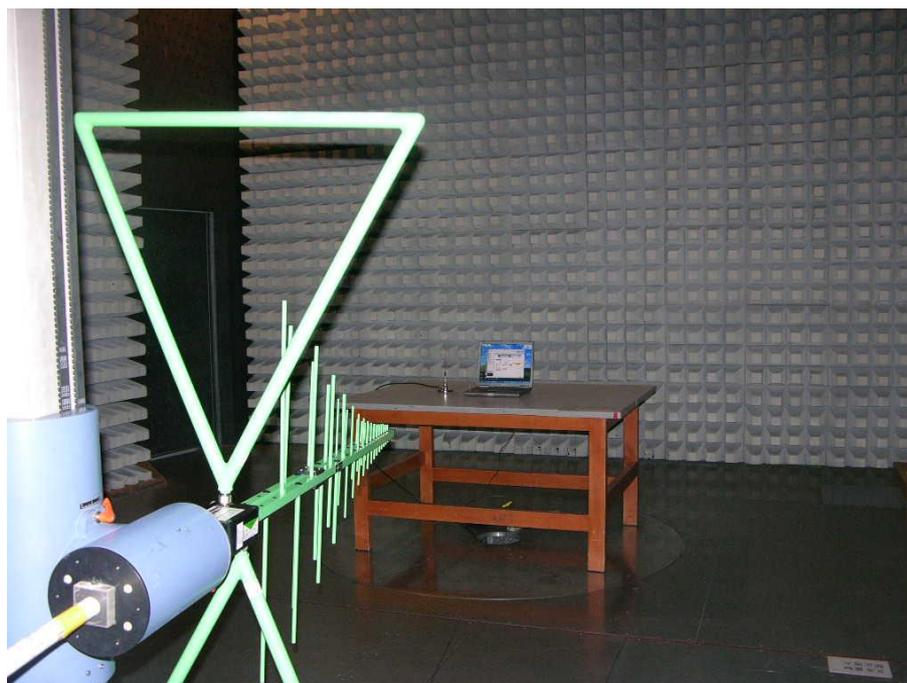
MEASUREMENT RESULT:

Frequency (MHz)	Level (dBμV/m)	Transd (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
166.200000	26.90	-11.4	43.5	16.6	189.0	60.00	HORIZONTAL
333.720000	36.50	-5.3	46.0	9.5	100.0	12.00	HORIZONTAL
871.500000	40.50	2.6	46.0	5.5	210.0	226.00	VERTICAL

Appendix I

Photos of Test Setup

1 Radiated Emissions



Radiated Disturbance of AC mode (below 1GHz)

2 Radiated Spurious Emissions



Radiated Spurious Disturbance of AC mode (below 1GHz)



Radiated Spurious Disturbance of AC mode (above 1GHz)

3 Conducted Emissions

Not Application for Data card.