

Appendix B

Modulation Characteristic Measurement

According to CFR 47 (FCC) part 2.1047 & 22.901



Channel 1023 (RC1/1)

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Parm	
Waveform Quality Setup ▾	Rho		Frequency Error				Cell 1 Power		
	0.9930		2.6 Hz				-75.00		
	Time Error:		0.18 us				dBm/1.23 MHz		
	Carrier Feedthrough:		-37.54 dBc				Cell Band		
	Phase Error:		3.00 °				US Cellular		
	Magnitude Error:		6.67 %				Channel		
	Single						1023		
							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 1023 (RC3/3)

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell 1 Pover	
		0.9926		4.0 Hz				-101.00	
		Time Error:		0.14 us				dBm/1.23 MHz	
Numeric Rho		Carrier Feedthrough:		-44.11 dBc				Cell Band	
		Phase Error:		3.65 °				US Cellular	
		Magnitude Error:		5.79 %					
Code Domain Power		EVM:		8.61 %				Channel	
								1023	
								Protocol Rev	
Code Domain Power + Noise								6 (IS-2000)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
				Active Cell Connected		Sys Type: IS-2000			
						Logging: No Conn.			
1 of 2				IntRef	Offset				1 of 3



Channel 283 (RC1/1)

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Parm	
Waveform Quality Setup ▾	Rho		Frequency Error				Cell 1 Power		
	0.9916		5.3 Hz				-75.00		
	Time Error:		0.07 us				dBm/1.23 MHz		
	Carrier Feedthrough:		-38.96 dBc				Cell Band		
	Phase Error:		3.15 °				US Cellular		
	Magnitude Error:		7.48 %				Channel		
	Single						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 Parm	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell 1 Pouer	
		0.9944		5.4 Hz				-101.00	
								dBm/1.23 MHz	
Numeric Rho		Time Error:		0.22 us				Cell Band	
		Carrier Feedthrough:		-45.25 dBc				US Cellular	
		Phase Error:		3.33 °					
		Magnitude Error:		4.82 %				Channel	
Code Domain Power		EVM:		7.53 %				283	
								Single	
								Protocol Rev	
Code Domain Power + Noise								6 (IS-2000)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
			Active Cell Connected			Sys Type: IS-2000			
						Logging: No Conn.			
1 of 2			IntRef	Offset					1 of 3



Channel 777(RC1/1)

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell 1 Power	
		0.9909		8.1 Hz				-75.00	
		Time Error:		0.20 us				dBm/1.23 MHz	
		Carrier Feedthrough:		-38.83 dBc				Cell Band	
		Phase Error:		3.72 °				US Cellular	
		Magnitude Error:		7.08 %				Channel	
		Single						777	
								Protocol Rev	
								6 (IS-2000)	
								Radio Config	
(Fud1, Rvs1)									
						S02 (Loopback)			
						FCH Service Option Setup ▾			
		Active Cell Connected				Sys Type: IS-2000			
						Logging: No Conn.			
1 of 2			IntRef	Offset					1 of 3



Channel 777(RC3/3)

Measurement/Instrument Screen									
Control		Waveform Quality: Numeric Rho						Call Params	
Waveform Quality Setup ▾		Rho		Frequency Error				Cell 1 Pouer	
		0.9925		-5.8 Hz				-101.00	
								dBm/1.23 MHz	
		Numeric Rho		Time Error: 0.21 us				Cell Band	
				Carrier Feedthrough: -40.80 dBc				US Cellular	
				Phase Error: 4.33 °				Channel	
				Magnitude Error: 4.33 %					
				EVM: 8.69 %					
Code Domain Power								777	
								Protocol Rev	
Code Domain Power + Noise								6 (IS-2000)	
								Radio Config	
								(Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup ▾	
1 of 2				Active Cell		Sys Type: IS-2000			
				Connected		Logging: No Conn.			
				IntRef		Offset		1 of 3	