

Appendix F. FCC CDMA2000 SAR Measurement Procedures

Conducted Output Power:

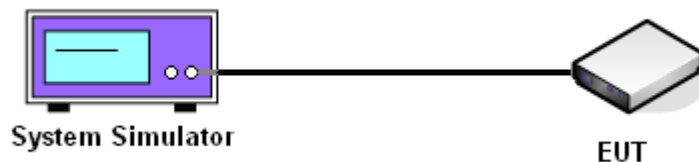
The EUT was tested according to the requirements of the FCC 3G procedures and the 3.1.2.3.4.

A detailed analysis of the output power verification is provided as the table below:

Function Type	Reverse Traffic Channel	Test Mode	Radio Configuration		Service Option	Data Rates (kbps)	Power Control	Low Ch	Mid. Ch	High Ch
			Forward Traffic Channel (Fwd)	Reverse Traffic Channel (Rvs)				1013	384	777
CDMA2000 Cellular	FCH	1	1	1	55	Full	All Up	23.59	23.69	23.56
		3	3	3	55	Full	All Up	23.64	23.71	23.56
	F-SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	23.67	23.72	23.58
	SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	23.64	23.69	23.58

Function Type	Reverse Traffic Channel	Test Mode	Radio Configuration		Service Option	Data Rates (kbps)	Power Control	Low Ch	Mid. Ch	High Ch
			Forward Traffic Channel (Fwd)	Reverse Traffic Channel (Rvs)				25	600	1175
CDMA2000 PCS	FCH	1	1	1	55	Full	All Up	23.68	23.61	23.27
		3	3	3	55	Full	All Up	23.76	23.60	23.33
	F-SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	23.79	23.64	23.37
	SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	23.77	23.62	23.31

CDMA2000 Setup Configuration:



Setup Configuration

1. The EUT was connected to System Simulator, Agilent 8960. Refer to the drawing of Setup Configuration.
2. The RF path losses were compensated into the measurements.
3. A call was established between EUT and System Simulator with following setting:
 - a. For 1xRTT, set the Radio Configuration and the Service Option
 - b. Set the Power Control to All Up Bits
4. The transmitted maximum output power was recorded.

Call Setup Screen									
Call Control		Active Cell Operating Mode					Call Parm		
Close Menu		Mobile Station Information					Cell Power		
		ESN (Hex):					-86.00		
		ESN (Dec):					dBm/1.23 MHz		
		NCC:					Cell Band		
		NMC:					US PCS		
		NSIN:					Channel		
		Slot Class:					1175		
		Slot Cycle Index: ----					Protocol Rev		
		Protocol Revision:					6 (IS-2000-0)		
				FCH Service Option Setup				Value	
		Service Option				S055 (Loopback)			
		Service Option f				S09 (Loopback)			
		Service Option f				S01 (Voice)			
		Service Option f				S02 (Loopback)			
		Service Option f				S03 (Voice)			
		Service Option f				S06 (SIS)			
		S055 (Loopback)				S055 (Loopback)			
		S068 (Voice)				S055 (Loopback)			
		Active Cell				Sys Type: IS-2000			
		Idle							
		IntRef Offset							
						1 of 4			

1xRTT setting for Radio Configuration 1 with Service Option 55

Call Setup Screen									
Call Control		Active Cell Operating Mode						Call Parm	
Close Menu		Mobile Station Information ESN (Hex): ESN (Dec): NCC: NMC: NSIN: Slot Class: Slot Cycle Index: ---- Protocol Revision:						Cell Power -86.00 dBm/1.23 MHz	
								Cell Band US PCS	
								Channel 1175	
								Protocol Rev 6 (IS-2000-0)	
								Radio Config (Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup	
								S055 (Loopback)	
								S055 (Loopback)	
								S055 (Loopback)	
		Active Cell Idle				Sys Type: IS-2000			
		IntRef Offset						1 of 4	

1xRTT setting for Radio Configuration 3 with Service Option 55

Call Setup Screen									
Call Control		Active Cell Operating Mode						Call Parm	
Close Menu		Mobile Station Information ESN (Hex): ESN (Dec): NCC: NMC: NSIN: Slot Class: Slot Cycle Index: ---- Protocol Revision:						Cell Power -86.00 dBm/1.23 MHz	
								Cell Band US PCS	
								Channel 1175	
								Protocol Rev 6 (IS-2000-0)	
								Radio Config (Fud3, Rvs3)	
								S055 (Loopback)	
								FCH Service Option Setup	
								S055 (Loopback)	
								S055 (Loopback)	
								S055 (Loopback)	
		Active Cell Idle				Sys Type: IS-2000			
		IntRef Offset						1 of 4	

1xRTT setting for Radio Configuration 3 with Service Option 32



Reference:

- [1] SAR Measurement Procedures for 3G Devices CDMA 2000/Ev-Do/WCDMA/HSDPA, June 2006
Laboratory Division Office of Engineering and Technology Federal Communications Commission
- [2] 3.1.2.3.4 Maximum RF Output Power 3GPP2 C.S0033-0 Version 2.0, Date: 12 December 2003
Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access
Terminal