

Appendix F. FCC CDMA2000 SAR Measurement Procedures

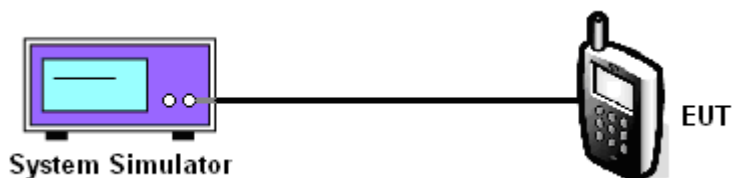
Conducted Output Power:

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	23.47	23.31	23.41
		3	3	3	55	Full	All Up	23.53	23.46	23.55
	F-SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	23.49	23.45	23.52
	SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	23.53	23.51	23.54

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. For 1xEV-DO, set the Protocol Release and Data Rate
 - c. 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 Params
Close Menu	Mobile Station Information		Cell Power
	ESN (Hex):		-86.00
	ESN (Dec):		dBm/1.23 MHz
	NCC:		Cell Band
	MNC:		US PCS
	MSIN:		Channel
	Slot Class:		1175
	Slot Cycle Index: ----		Protocol Rev
	Protocol Revision:		6 (IS-2000-0)
	FCH Service Option Setup		Value
Service Option f	Service Option	S055 (Loopback)	Radio Config (Fud1, Rvs1) S055 (Loopback)
Service Option f	S01 (Voice)	S09 (Loopback)	
Service Option f	S02 (Loopback)	S055 (Loopback)	
Service Option f	S03 (Voice)	S055 (Loopback)	
Service Option f	S06 (SIS)	S055 (Loopback)	
Service Option f	S055 (Loopback)		
	S068 (Voice)		FCH Service Option Setup
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 Params		
Close Menu	Mobile Station Information ESN (Hex): ESN (Dec): MCC: MNC: MSIN: Slot Class: Slot Cycle Index: ---- Protocol Revision:						Cell Power -86.00 dBm/1.23 MHz Cell Band US PCS Channel 1175		
	FCH Service Option Setup						Value		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
	Service Option for Fud3, Rvs3						S09 (Loopback)		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
Service Option S01 (Voice) S02 (Loopback) S03 (Voice) S06 (SMS) S055 (Loopback) S032 (+ F-SCH)						Protocol Rev 6 (IS-2000-0)			
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 Params		
Close Menu	Mobile Station Information ESN (Hex): ESN (Dec): MCC: MNC: MSIN: Slot Class: Slot Cycle Index: ---- Protocol Revision:						Cell Power -86.00 dBm/1.23 MHz Cell Band US PCS Channel 1175		
	FCH Service Option Setup						Value		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
	Service Option for Fud3, Rvs3						S09 (Loopback)		
	Service Option for Fud3, Rvs3						S032 (+ SCH)		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
	Service Option for Fud3, Rvs3						S055 (Loopback)		
Service Option S02 (Loopback) S03 (Voice) S06 (SMS) S055 (Loopback) S032 (+ F-SCH) S032 (+ SCH)						Protocol Rev 6 (IS-2000-0)			
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