

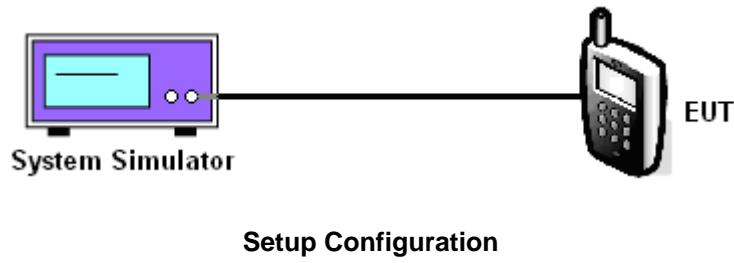
**Appendix G. FCC 3G SAR Measurement Procedures for CDMA2000****Conducted Output Power:**

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	23.75	23.92	23.79
		3	3	3	55	Full	All Up	23.76	23.85	23.75
		3	3	3	32	Full	All Up	23.74	23.73	23.73
	FCH+SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	23.75	23.78	23.72
	EVDO Rev.0	Subtype:0				RTAP 153.6	All Up	23.73	23.80	23.76
	EVDO Rev.A	Subtype:0				RETAP 4096	All Up	23.79	23.95	23.82

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	23.97	23.83	23.67
		3	3	3	55	Full	All Up	23.98	23.85	23.65
		3	3	3	32	Full	All Up	23.93	23.83	23.64
	FCH+SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	23.96	23.84	23.63
	EVDO Rev.0	Subtype:0				RTAP 153.6	All Up	23.95	23.89	23.66
	EVDO Rev.A	Subtype:0				RETAP 4096	All Up	23.96	23.95	23.78

CDMA2000 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		CallParms																		
	Mobile Station Information <p>ESN (Hex): ESN (Dec): IMC: IMC: IMSI: Slot Class: Slot Cycle Index: ---- Protocol Revision:</p>	FCH Service Option Setup <table border="1"> <thead> <tr> <th>Service Option</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>S055 (Loopback)</td> <td></td> </tr> <tr> <td>S09 (Loopback)</td> <td></td> </tr> <tr> <td>S055 (Loopback)</td> <td></td> </tr> <tr> <td>S068 (Voice)</td> <td></td> </tr> </tbody> </table>	Service Option	Value	S055 (Loopback)		S09 (Loopback)		S055 (Loopback)		S068 (Voice)		Cell Power -86.00 dBm/1.23 MHz Cell Band US PCS Channel 1175 Protocol Rev 6 (IS-2000-0) Radio Config (Fud1, Rus1) S055 (Loopback) FCH Service Option Setup ▾								
Service Option	Value																				
S055 (Loopback)																					
S09 (Loopback)																					
S055 (Loopback)																					
S055 (Loopback)																					
S055 (Loopback)																					
S055 (Loopback)																					
S055 (Loopback)																					
S068 (Voice)																					
Close	Active Cell	Sys Type: IS-2000																			
	Idle		1 of 4																		
		IntRef Offset																			

1xRTT setting for Radio Configuration 1 with Service Option 55



Call Setup Screen			
Call Control	Active Cell Operating Mode		CallParms
	Mobile Station Information		Cell Power
	ESN (Hex):		-86.00
	ESN (Dec):		dBm/1.23 MHz
	IMC:		Cell Band
	IMC:		US PCS
	ISIN:		Channel
	Slot Class:		1175
	Slot Cycle Index: ----		Protocol Rev
	Protocol Revision:		6 (IS-2000-0)
	FCH Service Option Setup		Radio Config
	Service Option		(Fud3, Rvs3)
	S01 (Voice)		S055 (Loopback)
	S02 (Loopback)		S09 (Loopback)
	S03 (Voice)		S055 (Loopback)
	S06 (SMS)		S055 (Loopback)
	S055 (Loopback)		S055 (Loopback)
	S032 (+ F-SCH)		FCH Service Option Setup
Close Menu	Active Cell Idle		1 of 4
	IntRef Offset		

1xRTT setting for Radio Configuration 3 with Service Option 55

Call Setup Screen			
Call Control	Active Cell Operating Mode		CallParms
	Mobile Station Information		Cell Power
	ESN (Hex):		-86.00
	ESN (Dec):		dBm/1.23 MHz
	IMC:		Cell Band
	IMC:		US PCS
	ISIN:		Channel
	Slot Class:		1175
	Slot Cycle Index: ----		Protocol Rev
	Protocol Revision:		6 (IS-2000-0)
	FCH Service Option Setup		Radio Config
	Service Option		(Fud3, Rvs3)
	S02 (Loopback)		S055 (Loopback)
	S03 (Voice)		S09 (Loopback)
	S06 (SMS)		S055 (Loopback)
	S055 (Loopback)		S055 (Loopback)
	S032 (+ F-SCH)		S032 (+ SCH)
	S032 (+ SCH)		FCH Service Option Setup
Close Menu	Active Cell Idle		1 of 4
	IntRef Offset		

1xRTT setting for Radio Configuration 3 with Service Option 32



Call Setup Screen		
Call Control	Active Cell Operating Mode	CallParms
Operating Mode		Rcv Power Ctrl
Active Cell		Active bits
	Access Terminal Information (AT Reported)	Pwr Ctrl Step
	Session Seed: Hardware ID Type (Hex): Hardware ID (Hex): Hardware ID (Decimal):	1.0 dB
Start Data Connection	Access Terminal Information (AN Assigned)	Call Drop Timer
	UATI 024: ----- UATI Color Code: ----- IAC Index: -----	On
Close Session	Protocol Release	Call Limit Mode
	Session App: 0 (1xEV-DO) Test Applic: A (1xEV-DO-A) Limited TAP: B (1xEV-DO-B) AT Directed: DRC Value Fi: ACK Channel	Off
Handoff Setup	Application	Protocol Rel
AT Max Power		0 (1xEV-DO)
23 dBm/1.23MHz		
	Active Cell Idle	Sys Type: IS-856
1 of 3	IntRef Offset	PLSub0 RTAP
		2 of 3

1xEV-DO setting for Protocol Release (Rev.0 or Rev.A)

Call Setup Screen		
Call Control	Active Cell Operating Mode	CallParms
Operating Mode		Cell Power
Active Cell		-86.00
	Access Terminal Information (AT Reported)	dBm/1.23 MHz
	Session Seed: Hardware ID Type (Hex): Hardware ID (Hex): Hardware ID (Decimal):	Cell Band
Start Data Connection	Access Terminal Information (AN Assigned)	US PCS
	UATI 024: ----- UATI Color Code: ----- IAC Index: -----	Channel
Close Session	RTAP Rate	1175
	Session App: 9.6 kbps Test Applic: 19.2 kbps Limited TAP: 38.4 kbps AT Directed: 76.8 kbps DRC Value Fi: 153.6 kbps ACK Channel	Application Config
Handoff Setup	Application	307.2 kbps
AT Max Power		(2 Slot, QPSK)
23 dBm/1.23MHz		RTAP Rate
	Active Cell Idle	9.6 kbps
1 of 3	IntRef Offset	PLSub0 RTAP
		1 of 3

1xEV-DO setting for RTAP data rate (153.6 kbps)



Call Setup Screen			
Call Control Operating Mode Active Cell Start Data Connection Close Session Handoff Setup AT Max Power 23 dBm/1.23MHz	Active Cell Operating Mode		
	Access Terminal Information (AT Reported)		
	Session Seed: Hardware ID Type (Hex): Hardware ID (Hex): Hardware ID (Decimal):		
	Access Terminal Information (AN Assigned)		
	UATI 024: ---- UATI Color Code: ---- MAC Index: ----		
	Application Configuration		
	Session App	R-Data Packet Size	Application
	Enhanced T	128	ap
	AT Directed	256	z
	DRC Value F	512	;
ACK Channel	768	;	
Reverse Data	1024	Capacity	
Expected End	1536	kbps	
	Active Cell	Sys Type: IS-856	
	Idle		
	IntRef	Offset	
	PLSub0	RETAP	
1 of 3		1 of 3	

1xEV-DO setting for RETAP data rate (4096 bits)



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