

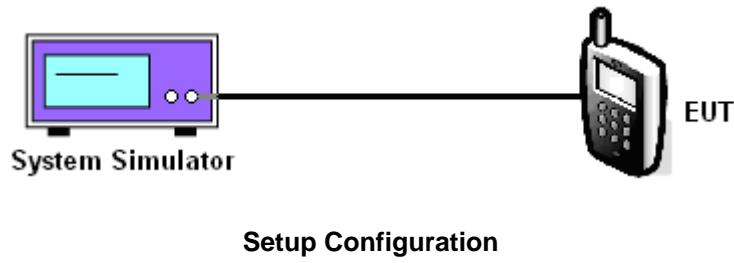
**Appendix G. FCC 3G SAR Measurement Procedures for CDMA2000****Conducted Output Power:**

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			CallParms																
Call Control	Active Cell Operating Mode		Cell Power																
	<b>Mobile Station Information</b> <p>ESN (Hex): ESN (Dec): IMC: IMC: IMSI: Slot Class: Slot Cycle Index: ---- Protocol Revision:</p>	<b>FCH Service Option Setup</b> <table border="1"> <thead> <tr> <th>Service Option</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>S055 (Loopback)</td> <td>S055 (Loopback)</td> </tr> <tr> <td>S09 (Voice)</td> <td>S09 (Loopback)</td> </tr> <tr> <td>S02 (Loopback)</td> <td>S055 (Loopback)</td> </tr> <tr> <td>S03 (Voice)</td> <td>S055 (Loopback)</td> </tr> <tr> <td>S06 (SNS)</td> <td>S055 (Loopback)</td> </tr> <tr> <td><b>S055 (Loopback)</b></td> <td></td> </tr> <tr> <td>S068 (Voice)</td> <td></td> </tr> </tbody> </table>	Service Option	Value	S055 (Loopback)	S055 (Loopback)	S09 (Voice)	S09 (Loopback)	S02 (Loopback)	S055 (Loopback)	S03 (Voice)	S055 (Loopback)	S06 (SNS)	S055 (Loopback)	<b>S055 (Loopback)</b>		S068 (Voice)		-86.00 dBm/1.23 MHz
Service Option	Value																		
S055 (Loopback)	S055 (Loopback)																		
S09 (Voice)	S09 (Loopback)																		
S02 (Loopback)	S055 (Loopback)																		
S03 (Voice)	S055 (Loopback)																		
S06 (SNS)	S055 (Loopback)																		
<b>S055 (Loopback)</b>																			
S068 (Voice)																			
			Cell Band US PCS																
			Channel 1175																
			Protocol Rev 6 (IS-2000-0)																
			Radio Config (Fud1, Rus1)																
			S055 (Loopback)																
			FCH Service Option Setup ▾																
<b>Close</b>	<b>Active Cell</b>	<b>Sys Type: IS-2000</b>																	
	<b>Idle</b>																		
		IntRef Offset	1 of 4																

**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
	IMSI:		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)
	S09 (Loopback)		S055 (Loopback)
	S01 (Voice)		S055 (Loopback)
	S02 (Loopback)		S055 (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
	IMSI:		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)
	S09 (Loopback)		S055 (Loopback)
	S02 (Loopback)		S032 (+ SCH)
	S03 (Voice)		S055 (Loopback)
	S06 (SMS)		S055 (Loopback)
	S055 (Loopback)		S032 (+ SCH)
	S032 (+ F-SCH)		S032 (+ SCH)
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
				Pur Ctrl Step
				1.0 dB
Start Data Connection				Call Drop Timer
				On
Close Session				Call Limit Mode
				Off
Handoff Setup				Protocol Rel
				0 (1xEV-DO)
AT Max Power				
23 dBm/1.23MHz				
1 of 3	Active Cell	Sys Type: IS-856		2 of 3
	Idle	IntRef	Offset	PLSub0 RTAP

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
				dBm/1.23 MHz
				Cell Band
				US PCS
Start Data Connection				Channel
				1175
Close Session				Application Config
Handoff Setup				FTAP Rate
				307.2 kbps
AT Max Power				(2 Slot, QPSK)
23 dBm/1.23MHz				RTAP Rate
				9.6 kbps
1 of 3	Active Cell	Sys Type: IS-856		1 of 3
	Idle	IntRef	Offset	PLSub0 RTAP

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



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

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