

## Appendix F. FCC CDMA2000 SAR Measurement Procedures

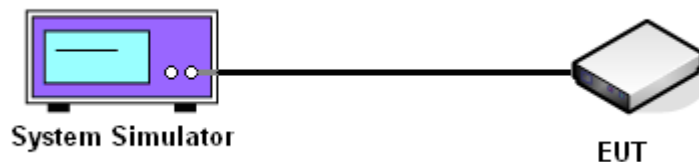
### Conducted Output Power:

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						Radio Config		
Service Option for Fud1, Rvs1						(Fud1, Rvs1)			
Service Option for S01 (Voice)						S055 (Loopback)			
Service Option for S02 (Loopback)						S09 (Loopback)			
Service Option for S03 (Voice)						S055 (Loopback)			
Service Option for S06 (SIS)						S055 (Loopback)			
S055 (Loopback)						S055 (Loopback)			
S068 (Voice)						FCH Service Option Setup			
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						Call Parm																			
<div>Close Menu</div>		<div>Mobile Station Information</div> <div>           ESN (Hex):            ESN (Dec):            MCC:            MNC:            MSIN:            Slot Class:            Slot Cycle Index: ----            Protocol Revision:         </div>						Cell Power -86.00 dBm/1.23 MHz																			
		<div>FCH Service Option Setup</div> <div> <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 (Loopback)</td> <td>S09 (Loopback)</td> </tr> <tr> <td>S01 (Voice)</td> <td>S055 (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 (SRS)</td> <td>S055 (Loopback)</td> </tr> <tr> <td>S055 (Loopback)</td> <td></td> </tr> <tr> <td>S032 (+ F-SCH)</td> <td></td> </tr> </tbody> </table> </div>						Service Option	Value	S055 (Loopback)	S055 (Loopback)	S09 (Loopback)	S09 (Loopback)	S01 (Voice)	S055 (Loopback)	S02 (Loopback)	S055 (Loopback)	S03 (Voice)	S055 (Loopback)	S06 (SRS)	S055 (Loopback)	S055 (Loopback)		S032 (+ F-SCH)		Cell Band US PCS	
		Service Option	Value																								
		S055 (Loopback)	S055 (Loopback)																								
		S09 (Loopback)	S09 (Loopback)																								
		S01 (Voice)	S055 (Loopback)																								
		S02 (Loopback)	S055 (Loopback)																								
		S03 (Voice)	S055 (Loopback)																								
		S06 (SRS)	S055 (Loopback)																								
		S055 (Loopback)																									
S032 (+ F-SCH)																											
						Channel 1175																					
						Protocol Rev 6 (IS-2000-0)																					
						Radio Config (Fud3, Rvs3) S055 (Loopback)																					
						FCH Service Option Setup																					
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																			
<div>Close Menu</div>		<div>Mobile Station Information</div> <div>           ESN (Hex):            ESN (Dec):            MCC:            MNC:            MSIN:            Slot Class:            Slot Cycle Index: ----            Protocol Revision:         </div>						Cell Power -86.00 dBm/1.23 MHz																			
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		Service Option	Value																								
		S055 (Loopback)	S055 (Loopback)																								
		S09 (Loopback)	S09 (Loopback)																								
		S02 (Loopback)	S032 (+ SCH)																								
		S03 (Voice)	S055 (Loopback)																								
		S06 (SRS)	S055 (Loopback)																								
		S055 (Loopback)																									
		S032 (+ F-SCH)																									
S032 (+ SCH)																											
						Channel 1175																					
						Protocol Rev 6 (IS-2000-0)																					
						Radio Config (Fud3, Rvs3) S032 (+ SCH)																					
						FCH Service Option Setup																					
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