

Appendix F. FCC 3G SAR Measurement Procedures

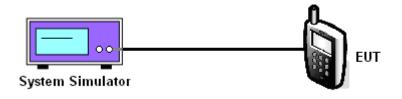
Conducted Output Power:

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					Low Ch	Mid. Ch	High Ch
			Forward Traffic Channel (Fwd)	Reverse Traffic Channel (Rvs)	Service Option	Data Rates (kbps)	Power Control	1013	384	777
CDMA2000 BC0	FCH	1	1	1	55	Full	All Up	24.20	24.19	24.25
		3	3	3	55	Full	All Up	24.14	24.10	24.12
		3	3	3	32	Full	All Up	24.11	24.13	24.09
	FCH+SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	24.01	23.98	23.99
	EVDO Rev.0	Subtype:0/1				RTAP 153.6	All Up	24.19	24.20	24.18
	EVDO Rev.A	Subtype:2				RETAP 4096	All Up	24.22	24.24	24.23

CDMA2000 Setup Configuration:



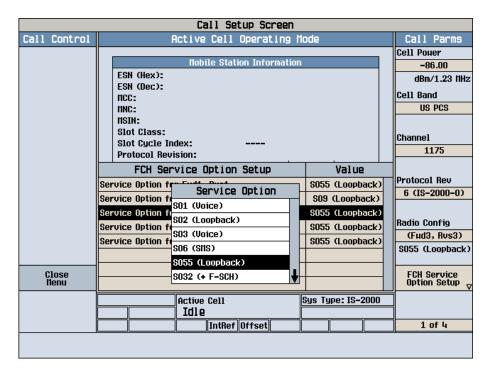
Setup Configuration

- 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 Parms					
	Itobile Station Information ESN (Hex): ESN (Dec): IfCC: INC: ISIN: Slot Class: Slot Cycle Index: Protocol Revision:	Cell Pouer -86.00 dBm/1.23 HHz Cell Band US PCS Channel 1175					
Close Nenu	FCH Service Option Setup Value Service Option fr Service Option S055 (Loopback) Service Option fr S01 (Voice) S055 (Loopback) Service Option fr S02 (Loopback) S055 (Loopback) Service Option fr S03 (Voice) S055 (Loopback) Service Option fr S03 (Voice) S055 (Loopback) Service Option fr S03 (Voice) S055 (Loopback) Source Option fr S06 (SIIS) S055 (Loopback) S068 (Voice) \$068 (Voice) \$055 (Loopback)	Protocol Rev 6 (IS-2000-0) Radio Config (Fud1, Rvs1) S055 (Loopback) FCH Service Option Setup _V					
	Active Cell Active Cell Sys Type: IS-2000 Idle IntRef Offset	1 of 4					

1xRTT setting for Radio Configuration 1 with Service Option 55



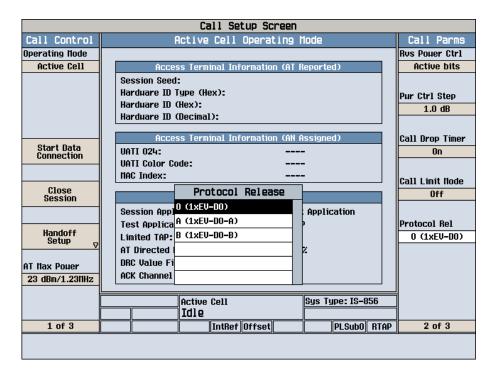


1xRTT setting for Radio Configuration 3 with Service Option 55

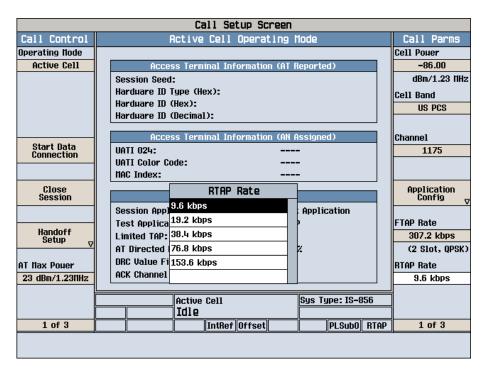
Call Setup Screen							
Call Control	Active Cell Operating Mode	Call Parms					
		Cell Pouer					
	Nobile Station Information	-86.00					
	ESN (Hex): ESN (Dec):	dBm/1.23 HHz					
		Cell Band					
	US PCS						
	IISIN:						
	Slot Class:	Channel					
	Slot Cycle Index: Protocol Revision:	1175					
	FCH Service Option Setup Value						
	Service Option free Fund	Protocol Rev					
	Service Option f	6 (IS-2000-0)					
	Service Option (
	Service Option fters (compack)	Radio Config					
	Service Option ft S06 (SIIS) S055 (Loopback)	(Fud3, Rvs3)					
	S055 (Loopback)	S032 (+ SCH)					
	S032 (+ F-SCH)						
Close Nenu	S032 (+ SCH)	FCH Service Option Setup _V					
	Active Cell Sys Type: IS-2000	1					
	Idle Idle]					
	IntRef Offset	1 of 4					

1xRTT setting for Radio Configuration 3 with Service Option 32





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



1xEV-DO setting for RTAP data rate (9.6 or 38.4 or 153.6 kbps)



	Call Setup Screen	
Call Control	Active Cell Operating Mode	Call Parms
Operating Node	Access Terminal Information (AT Reported)	Cell Pouer
Active Cell	Session Seed:	-86.00
	Harduare ID Type (Hex):	dBm/1.23 11Hz
		Cell Band
	Hardware ID (Decimal):	US PCS
	Access Terminal Information (AN Assigned)	
Otaut Data		Channel
Start Data Connection	UATI Color Code:	1175
	NAC Index:	
	Application Configuration	
Close Session	Session Appl R-Data Packet Size Application	Application Config _⊽
	Enhanced Te 128	v
	AT Directed 256 Z	F-Traffic Format
Handoff Setup	DRC Value Fi ACK Channel	4 (1024,2,128)
	ACK Channel 768	(307.2k, QPSK)
AT Hax Pouer	Reverse Data1024 Capacity	R-Data Pkt Size
23 dBm/1.23MHz	Expected Enl	128
ī		bits
	Active Cell Sys Type: IS-856	
	Idle	
1 of 3	IntRef Offset PLSubO RETAP	1 of 3

1xEV-DO setting for RETAP data rate (128 or 2048 or 12288 kbps)



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