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	Daviana	Test Mode	Radio Configuration					Low Ch	Mid. Ch	High Ch
	Reverse Traffic Channel		Forward Traffic Channel (Fwd)	Traffic	Service Option	Data Rates (kbps)	Power Control	1013	384	777
CDMA2000 Cellular	FCH	1	1	1	55	Full	All Up	23.32	23.40	23.14
		3	3	3	55	Full	All Up	23.33	23.45	23.22
	F-SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	23.30	23.33	23.25
	SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	23.29	23.25	23.23

Function Type	Davaraa		Radio Configuration					Low Ch	Mid. Ch	High Ch
	Reverse Traffic Channel	Test Mode	Forward Traffic Channel (Fwd)	Traffic	Service Option		Power Control	25	600	1175
CDMA2000 PCS		1	1	1	55	Full	All Up	24.12	24.25	24.44
	FCH	3	3	3	55	Full	All Up	24.19	24.27	24.39
	F-SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	24.20	24.45	24.50
	SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	24.17	24.40	24.46

Function Type	Reverse Traffic Channel	Test Mode	Radio Configuration					Ch	
			Forward Traffic Channel (Fwd)	Traffic	Service Option	Data Rates (kbps)	Power Control	1275	
CDMA2000 BC14	FCH	1	1	1	55	Full	All Up	22.39	
		3	3	3	55	Full	All Up	22.38	
	F-SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	22.04	
	SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	22.06	

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Function Type	Reverse Traffic Channel	Test Mode	Radio Configuration					Low Ch	Mid. Ch	High Ch
			Forward Traffic Channel (Fwd)	Traffic	Service Option		Power Control	25	425	875
CDMA2000 BC15	FCH	1	1	1	55	Full	All Up	24.45	23.99	23.18
		3	3	3	55	Full	All Up	24.44	24.00	23.18
	F-SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	24.34	24.08	23.08
	SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	24.32	24.05	23.06

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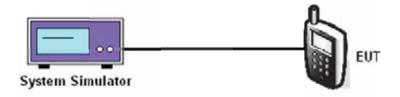
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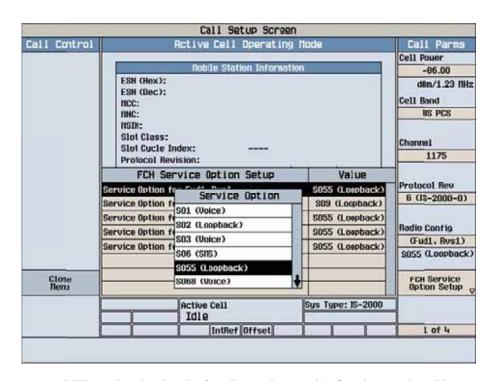
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CDMA2000 Setup Configuration:



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.



1xRTT setting for Radio Configuration 1 with Service Option 55

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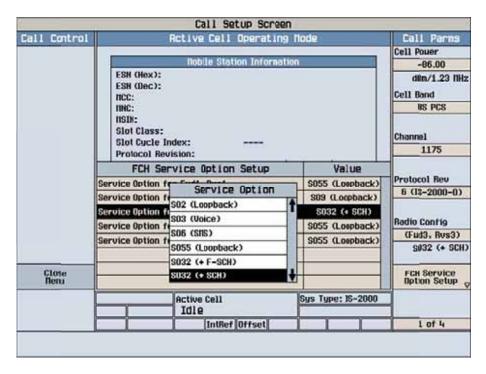
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Call Setup Screen Call Control Active Cell Operating Mode Call Parm Cell Pouer -86.00 ESH (Hex): d8n/1.23 IIHz ESN (Dec): Cell Band ncc: US PCS MNC: HSIN: Slot Class: Channel Slot Cycle Index: 1175 Protocol Revision: FCH Service Option Setup Value Protocol Rev Service Option fo S055 (Loopback) Service Option 6 (13-2000-0) 809 (Loopback) Service Option fo S01 (Voice) Service Option fo \$055 (Loopback) S02 (Loopback) Radio Config Service Option fe S055 (Loopback) S03 (Voice) (Fud3, Rvs3) Service Option fo \$055 (Loepback) SOS (SNS) 9055 (Loopback) 9055 (Loopback) Close S032 (+ F-SCH) FCH Service Option Setup **Active Cell** Sys Type: IS-2000

1xRTT setting for Radio Configuration 3 with Service Option 55

IntRef Offset

Idle



1xRTT setting for Radio Configuration 3 with Service Option 32

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Call Setup Screen Active Cell Operating Mode Call Control Call Parms Operating flode Avs Pouer Ctrl **Active Cell** Access Terninal Information (AT Reported) **Active bits** Session Seed: Hardware ID Type (Hex): Pur Ctrl Step Hardware ID (Hex): 1.0 dB Hardware ID (Decinal): Access Terminal Information (AH Assign Call Drop Timer Start Bata Connection UATI 024: On UATI Color Code: **NAC Index:** Call Limit flode Protocol Release Off Session App 0 (1xEV-00) Application Test Applica A (1xEV-DO-A) Protocol Rel Linited TAP: 8 (1xEU-DO-B) Handeff Setup 0 (1xEV-00) **AT Directed** DRC Value F AT Bax Pouer **ACK Channel** 23 dBn/1.23ffHz Sys Type: IS-856 **Active Cell**

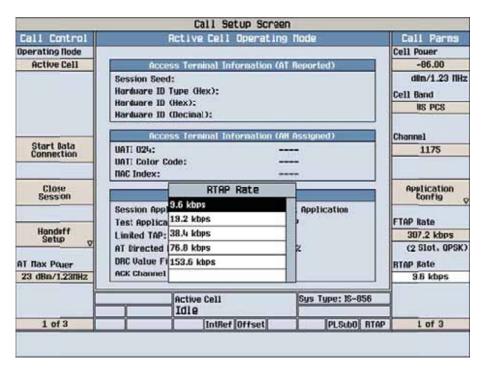
1xEV-DO setting for Protocol Release (Rev.0 or Rev.A)

IntRef Offset

PLSub0 RTAP

2 of 3

Idle



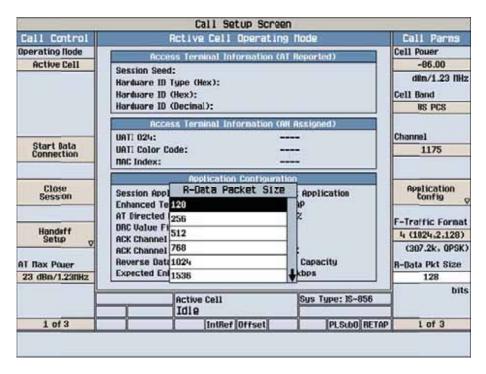
1xEV-DO setting for RTAP data rate (153.6 kbps)

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

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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

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