## 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		Service Option	Data Rates (kbps)	Power Control	Low Ch 1013	Midd Ch 384	High Ch 777
			Forward Traffic Channel (Fwd)	Reverse Traffic Channel (Rvs)						
CDMA2000 Cellular	FCH	1	1	1	55	Full	All Up	21.63	21.51	21.96
		3	3	3	55	Full	All Up	21.65	22.24	21.99
	FCH+SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	21.59	21.62	21.70
	EVDO Rev.0*		Subtype:0			UL:9.6	All Up	20.29	20.72	20.53
	EVDO Rev.0*		Subtype:0			UL:38.4	All Up	21.18	20.28	20.41
	EVDO Rev.0*		Subtype:0			UL:153.6	All Up	20.05	20.42	20.55
	EVDO Rev.A*		Subtype:0			RETAP_128Kbps	All Up	20.18	20.69	20.77
	EVDO Rev.A*		Subtype:0			RETAP_2048Kbps	All Up	20.23	20.88	20.67
	EVDO Rev.A*		Subtype:0			RETAP_4096Kbps	All Up	20.29	20.19	20.25
	EVDO Rev.A*		Subtype:0			RETAP_12288Kbps	All Up	20.39	20.44	20.66

Function Type	Reverse Traffic Channel	Test Mode	Radio Configuration		Service Option	Data Rates (kbps)	Power Control	Low Ch 25	Midd Ch 600	High Ch 1175
			Forward Traffic Channel (Fwd)	Reverse Traffic Channel (Rvs)						
CDMA2000 PCS	FCH	1	1	1	55	Full	All Up	18.31	18.04	18.08
		3	3	3	55	Full	All Up	18.33	18.12	18.03
	FCH+SCH	3	3	3	32	FCH:Full,SCH 9.6	All Up	18.15	18.03	17.92
	EVDO Rev.0*		Subtype:0			UL:9.6	All Up	18.16	18.04	17.94
	EVDO Rev.0*		Subtype:0			UL:38.4	All Up	18.10	17.94	17.89
	EVDO Rev.0*		Subtype:0			UL:153.6	All Up	18.11	17.93	17.88
	EVDO Rev.A*		Subtype:0			RETAP_128Kbps	All Up	18.27	18.24	18.05
	EVDO Rev.A*		Subtype:0			RETAP_2048Kbps	All Up	17.94	17.80	17.81
	EVDO Rev.A*		Subtype:0			RETAP_4096Kbps	All Up	18.00	17.86	17.70
	EVDO Rev.A*		Subtype:0			RETAP_12288Kbps	All Up	18.04	17.90	17.80

CDMA2000 Setup Configuration:
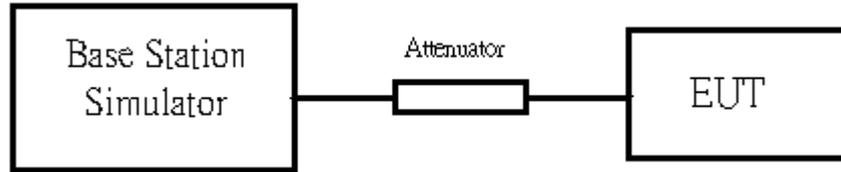
Setup Configuration

1. The EUT was connected to Base Station, 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 Base Station with following setting:
   a. Set the test mode1 and test mode 3.
   b. Set the Power control All Up for (FCH) and (FCH+SCH).
4. The transmitted maximum output power was recorded.

Test Mode 1 in Radio Configuration 1 (FCH)

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Test Mode 3 in Radio Configuration 3 (Service Option32)

1xEV-DO setting with RTAP 153.6kbps

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