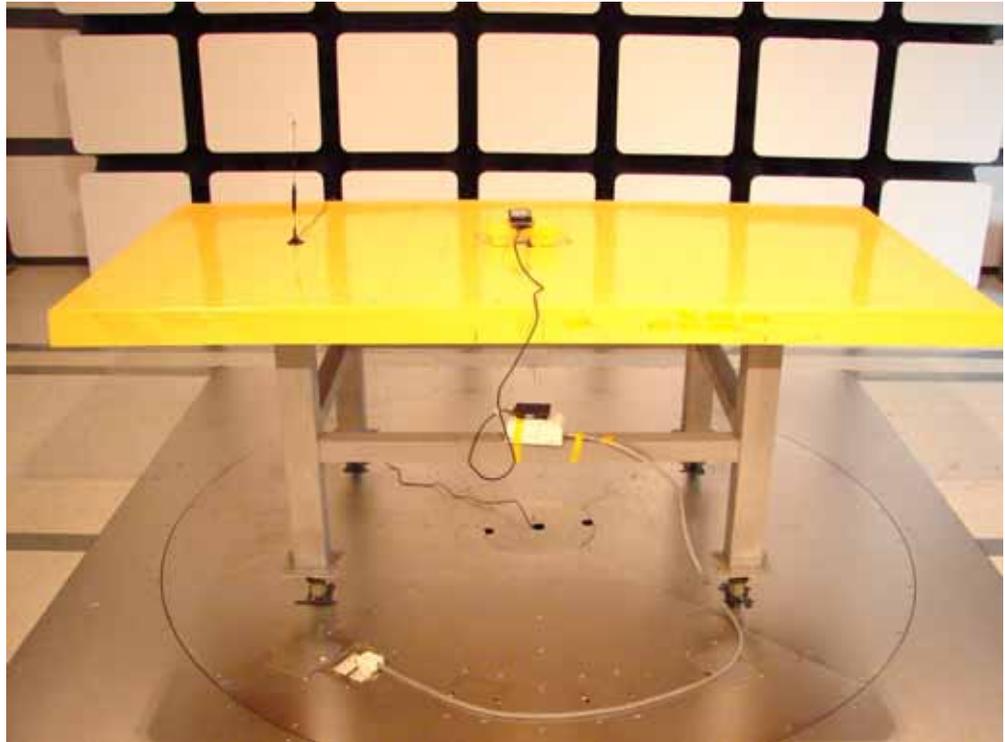


## Appendix B. Setup Photographs

### Spurious Radiation

Mode 1~2

FRONT VIEW

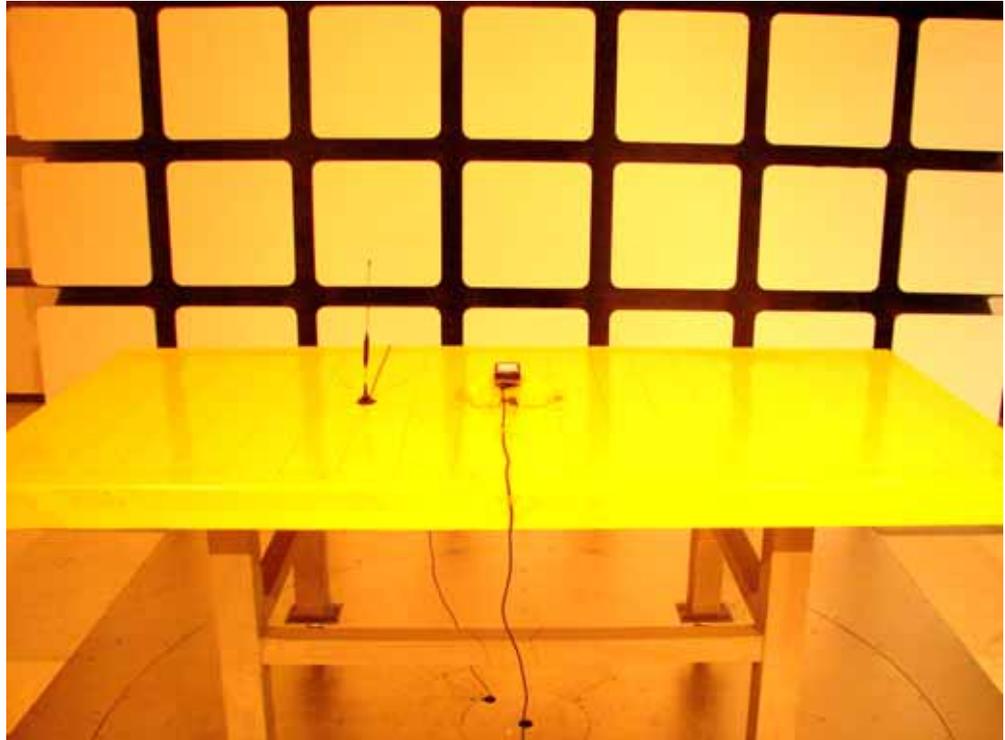


REAR VIEW

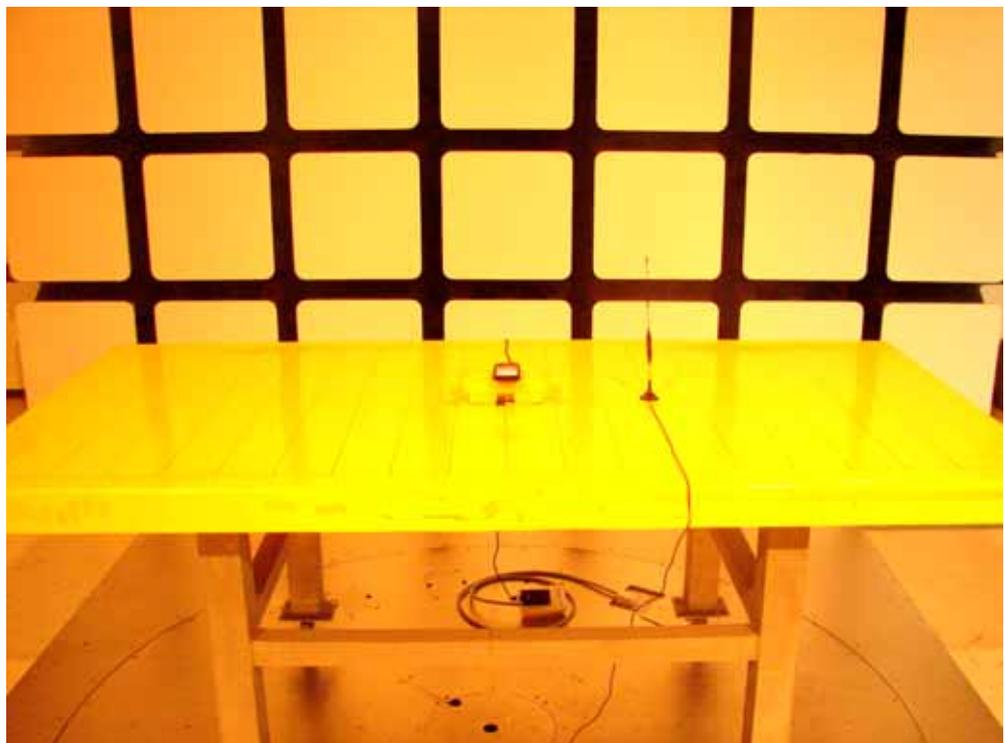


Mode 3

FRONT VIEW



REAR VIEW





### Appendix C. CDMA2000 1xRTT and 1xEV-DO Test Modes

**Test Summary:**

The EUT supports IS95 2G networks, CDMA 2000 1xRTT, and 1xEVDO Rev.A for Cellular band and PCS band. The maximum output power is chosen for EMC and SAR testing for worst case scenario. A full EMC measurement in this report is done in CDMA2000 1xRTT mode with FCH+SCH\_RC3 and 1xEV-DO mode with the uplink data rate 128Kbps for Cellular band, and CDMA2000 1xRTT mode with FCH+SCH\_RC3 and 1xEV-DO mode with the uplink data rate 128Kbps for PCS band.

Based on all the uplink channels using the same modulation type, BPSK, and those maximum output power are very closer, above test modes could reflect compliance under all operational modes.

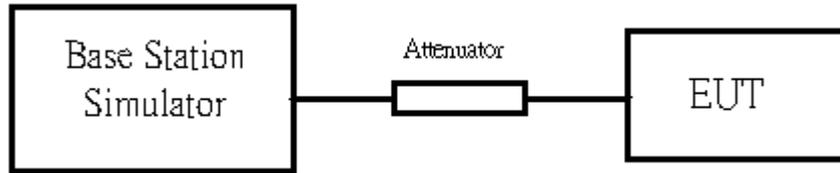
**Maximum output power list:**

Bands	Test Mode	Test Status	Modulation Type	Channel	Frequency (MHz)	Conducted Power (dBm)
CDMA2000 Cellular	1xRTT	FCH_RC1	BPSK	1013	824.70 (Low)	23.79
			BPSK	384	836.52 (Mid)	23.79
			BPSK	777	848.31 (High)	23.69
		FCH_RC3	BPSK	1013	824.70 (Low)	23.85
			BPSK	384	836.52 (Mid)	23.80
			BPSK	777	848.31 (High)	23.66
		FCH+SCH_RC3	BPSK	1013	824.70 (Low)	23.85
			BPSK	384	836.52 (Mid)	23.82
			BPSK	777	848.31 (High)	23.72
	1xEV-DO	EVDO-UL: 128Kbps	BPSK	1013	824.70 (Low)	24.25
			BPSK	384	836.52 (Mid)	24.50
			BPSK	777	848.31 (High)	24.24
		EVDO-UL: 2048Kbps	BPSK	1013	824.70 (Low)	24.07
			BPSK	384	836.52 (Mid)	24.23
			BPSK	777	848.31 (High)	24.06
		EVDO-UL: 12288Kbps	BPSK	1013	824.70 (Low)	24.21
			BPSK	384	836.52 (Mid)	24.44
			BPSK	777	848.31 (High)	24.22



Bands	Test Mode	Test Status	Modulation Type	Channel	Frequency (MHz)	Conducted Power (dBm)
CDMA2000 PCS	1xRTT	FCH_RC1	BPSK	25	1851.25 (Low)	23.63
			BPSK	600	1880.00 (Mid)	23.80
			BPSK	1177	1908.75 (High)	23.81
		FCH_RC3	BPSK	25	1851.25 (Low)	23.57
			BPSK	600	1880.00 (Mid)	23.76
			BPSK	1177	1908.75 (High)	23.72
		FCH+SCH_RC3	BPSK	25	1851.25 (Low)	23.64
			BPSK	600	1880.00 (Mid)	23.90
			BPSK	1177	1908.75 (High)	23.76
	1xEV-DO	EVDO-UL: 128Kbps	BPSK	25	1851.25 (Low)	24.67
			BPSK	600	1880.00 (Mid)	24.51
			BPSK	1177	1908.75 (High)	24.54
		EVDO-UL: 2048Kbps	BPSK	25	1851.25 (Low)	24.38
			BPSK	600	1880.00 (Mid)	24.25
			BPSK	1177	1908.75 (High)	24.23
		EVDO-UL: 12288Kbps	BPSK	25	1851.25 (Low)	24.67
			BPSK	600	1880.00 (Mid)	24.50
			BPSK	1177	1908.75 (High)	24.39

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 for each modes with following settings:
  - a. Set the Power control All Up for FCH\_RC3 and FCH\_RC1 with Service Option 55.
  - b. Set the Power control All Up for FCH+SCH with Service Option 32.
  - c. Set the Power control All Up for different rates on CDMA2000 1xEV-DO.
4. The transmitted maximum output power was recorded.

Test Mode 1 in Radio Configuration 1 (FCH\_RC1)

Call Setup Screen											
Call Control	Active Cell Operating Mode						Call Parms				
Close Menu	Mobile Station Information						Cell Power	-86.00			
	ESN (Hex): 0x6C32D3AE						dBm/1.23 MHz				
	ESN (Dec): 108-03330990						Cell Band	US PCS			
	MCC:						Channel				
	MNC:						1175				
	MSIN: 3163712588						Protocol Rev	6 (IS-2000)			
	Slot Class: Slotted						Radio Config	(Fud1, Rvs1)			
	Slot Cycle Index: 2						S055 (Loopback)				
	FCH Service Option Setup						FCH Service Option Setup				
	Value										
Service Option for Fud1, Rvs1						S055 (Loopback)					
Service Option for Fud2, Rvs2						S09 (Loopback)					
Service Option for Fud3, Rvs3						S032 (+ SCH)					
Service Option for Fud4, Rvs3						S055 (Loopback)					
Service Option for Fud5, Rvs4						S055 (Loopback)					
Background						Active Cell		Sys Type: IS-2000			
						Idle					
						IntRef		Offset			
										1 of 3	

Test Mode 1 in Radio Configuration 1 (FCH\_RC1)



Test Mode 3 in Radio Configuration 3 (FCH+SCH)

Call Setup Screen			
Call Control	Active Cell Operating Mode	Call Params	
Operating Mode Active Cell	<b>Mobile Station Information</b> ESN (Hex): 0x6C32D3AE ESN (Dec): 108-03330990 MCC: MNC: MSIN: 3163712588 Slot Class: Slotted Slot Cycle Index: 2 Protocol Revision: 6 (IS-2000_Rev0) Band Class: US CELL 1 US PCS MS Operating Mode: DNA Max EIRP (dB): (Fud1, Rvs1) 7 Registration: (Fud2, Rvs2) QPCH Support: (Fud3, Rvs3) Enhanced RC: (Fud4, Rvs3) Min Power Co: (Fud5, Rvs4) MS Called Pa	Cell Power -86.00 dBm/1.23 MHz	
System Type IS-2000		Cell Band US PCS	
End Call		Channel 1175	
Paging INSI Setup		Protocol Rev 6 (IS-2000)	
Handoff Setup		Radio Config (Fud3, Rvs3) S032 (+ SCH)	
		FCH Service Option Setup	
		Background Active Cell Connected + Data Sys Type: IS-2000	
1 of 2		IntRef Offset	1 of 3

Test Mode 3 in Radio Configuration 3 (Service Option32)

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