



Appendix F. FCC 3G SAR Measurement Procedures

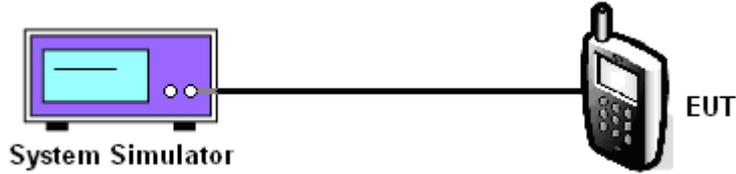
Conducted Output Power:

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 | 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 | 23.46 | 23.66 | 23.49 |
| | | 3 | 3 | 3 | 55 | Full | All Up | 23.55 | 23.77 | 23.61 |
| | | 3 | 3 | 3 | 32 | Full | All Up | 23.56 | 23.73 | 23.54 |
| | FCH+SCH | 3 | 3 | 3 | 32 | FCH:Full,SCH 9.6 | All Up | 23.52 | 23.69 | 23.52 |

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 Parm | |
| Close Menu | Mobile Station Information | | | | Cell Power | -86.00 |
| | ESN (Hex): | | | | dBm/1.23 MHz | |
| | ESN (Dec): | | | | Cell Band | US PCS |
| | NCC: | | | | Channel | 1175 |
| | NMC: | | | | Protocol Rev | 6 (IS-2000-0) |
| | NSIN: | | | | Radio Config | (Fud1, Rus1) |
| | Slot Class: | | | | FCH Service Option Setup | S055 (Loopback) |
| | Slot Cycle Index: ---- | | | | Service Option | S09 (Loopback) |
| | Protocol Revision: | | | | Service Option f | S01 (Voice) |
| | | | | | Service Option f | S02 (Loopback) |
| | | | | Service Option f | S03 (Voice) | |
| | | | | Service Option f | S06 (SIS) | |
| | | | | Service Option f | S055 (Loopback) | |
| | | | | Service Option f | S068 (Voice) | |
| Active Cell | | | Sys Type: IS-2000 | | | |
| Idle | | | | | | |
| IntRef | | | Offset | | 1 of 4 | |

1xRTT setting for Radio Configuration 1 with Service Option 55



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