



Appendix D. – CDMA2000 1xRTT Test Modes

Test Summary:

The EUT supports IS95 2G networks, CDMA2000 1xRTT for Cellular, AWS and PCS band. The maximum output power is chosen for EMC testing for worst case scenario. A full EMC measurement in this report is done in CDMA2000 1xRTT mode with FCH RC1 mode for Cellular band, CDMA2000 1xRTT mode with FCH+SCH RC3 mode for AWS band and CDMA2000 1xRTT mode with FCH RC1 mode 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 | Channel | Frequency (MHz) | Conducted Power (dBm) |
|-------------------|-----------|---------------|---------|-----------------|-----------------------|
| CDMA2000 Cellular | 1xRTT | FCH RC1 | 1013 | 824.70 (Low) | 23.37 |
| | | | 384 | 836.52 (Mid) | 23.95 |
| | | | 777 | 848.31 (High) | 23.90 |
| | | FCH RC3 | 1013 | 824.70 (Low) | 23.29 |
| | | | 384 | 836.52 (Mid) | 23.66 |
| | | | 777 | 848.31 (High) | 23.87 |
| | | FCH + SCH RC3 | 1013 | 824.70 (Low) | 23.28 |
| | | | 384 | 836.52 (Mid) | 23.78 |
| | | | 777 | 848.31 (High) | 23.83 |
| CDMA2000 AWS | 1xRTT | FCH RC1 | 25 | 1711.25 (Low) | 23.75 |
| | | | 450 | 1732.50 (Mid) | 24.40 |
| | | | 875 | 1753.75 (High) | 23.90 |
| | | FCH RC3 | 25 | 1711.25 (Low) | 23.86 |
| | | | 450 | 1732.50 (Mid) | 24.22 |
| | | | 875 | 1753.75 (High) | 24.14 |
| | | FCH + SCH RC3 | 25 | 1711.25 (Low) | 24.01 |
| | | | 450 | 1732.50 (Mid) | 23.98 |
| | | | 875 | 1753.75 (High) | 24.15 |
| CDMA2000 PCS | 1xRTT | FCH RC1 | 25 | 1851.25 (Low) | 23.84 |
| | | | 600 | 1880.00 (Mid) | 24.06 |
| | | | 1177 | 1908.75 (High) | 23.84 |
| | | FCH RC3 | 25 | 1851.25 (Low) | 23.74 |
| | | | 600 | 1880.00 (Mid) | 23.80 |
| | | | 1177 | 1908.75 (High) | 23.72 |
| | | FCH + SCH RC3 | 25 | 1851.25 (Low) | 23.72 |
| | | | 600 | 1880.00 (Mid) | 23.78 |
| | | | 1177 | 1908.75 (High) | 23.69 |



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

| Call Setup Screen | | |
|-------------------|--|-------------------|
| Call Control | Active Cell Operating Mode | Call Params |
| Operating Mode | Mobile Station Information 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 / 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 |
| Active Cell | | -86.00 |
| System Type | | dBm/1.23 MHz |
| IS-2000 | | Cell Band |
| End Call | | US PCS |
| Paging INSI Setup | | Channel |
| Handoff Setup | | 1175 |
| | | Protocol Rev |
| | | 6 (IS-2000) |
| | | Radio Config |
| | (Fud3, Rvs3) | |
| | S032 (+ SCH) | |
| | FCH Service Option Setup | |
| | | |
| Background | Active Cell | Sys Type: IS-2000 |
| | Connected + Data | |
| 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