# Appendix F. FCC 3G SAR Measurement Procedures

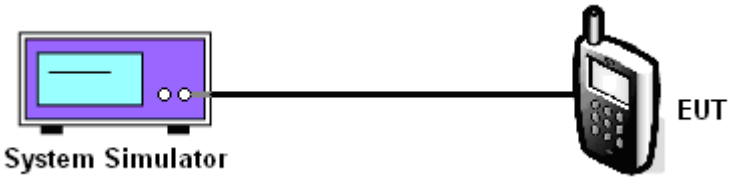
## Conducted Output Power:

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:

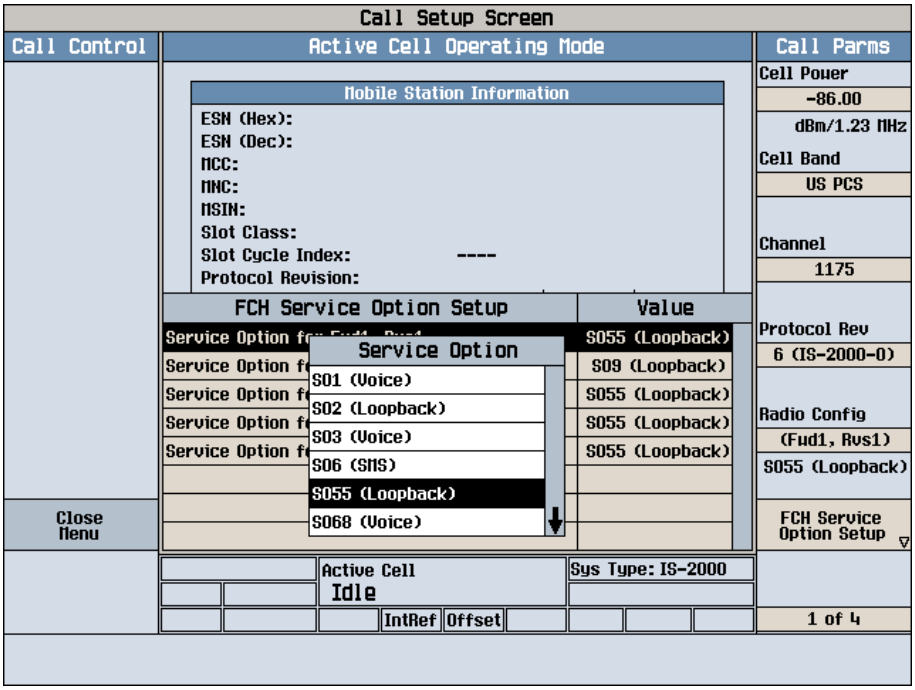
| Function Type | Reverse Traffic Channel | Test Mode | Radio Configuration | | Service Option | Data Rates (kbps) | Power Control | Low Ch | Mid. Ch | High Ch |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Forward Traffic Channel (Fwd) | Reverse Traffic Channel (Rvs) | | | | 1013 | 384 | 777 |
| CDMA2000 Cellular | FCH | 1 | 1 | 1 | 55 | Full | All Up | 23.95 | 23.34 | 23.84 |
| | | 3 | 3 | 3 | 55 | Full | All Up | 23.97 | 23.36 | 23.88 |
| | FCH+SCH | 3 | 3 | 3 | 32 | FCH:Full,SCH 9.6 | All Up | 24.06 | 23.40 | 23.93 |

## CDMA2000 Setup Configuration:

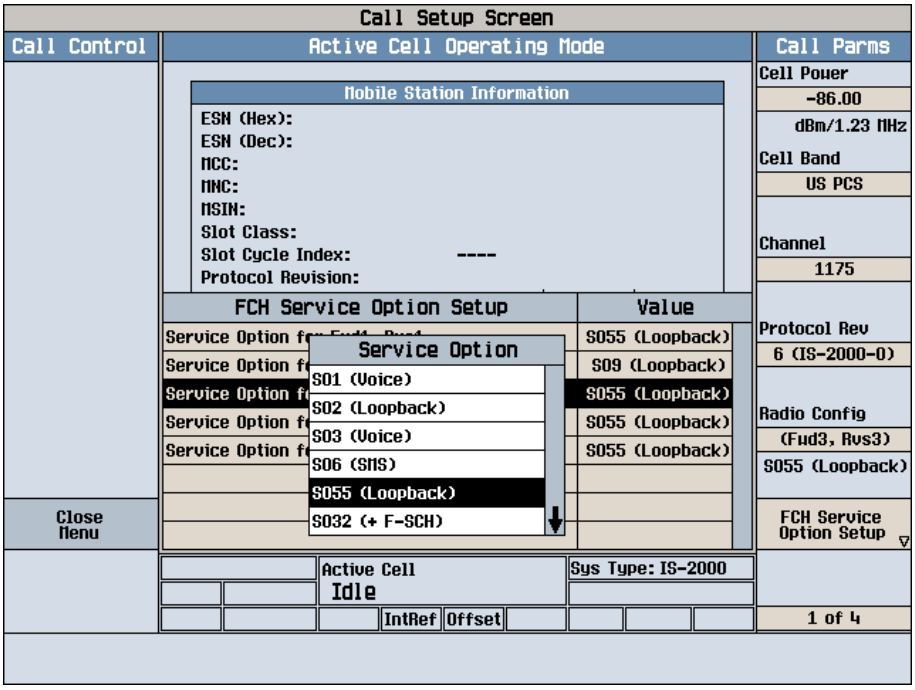



**Setup Configuration**

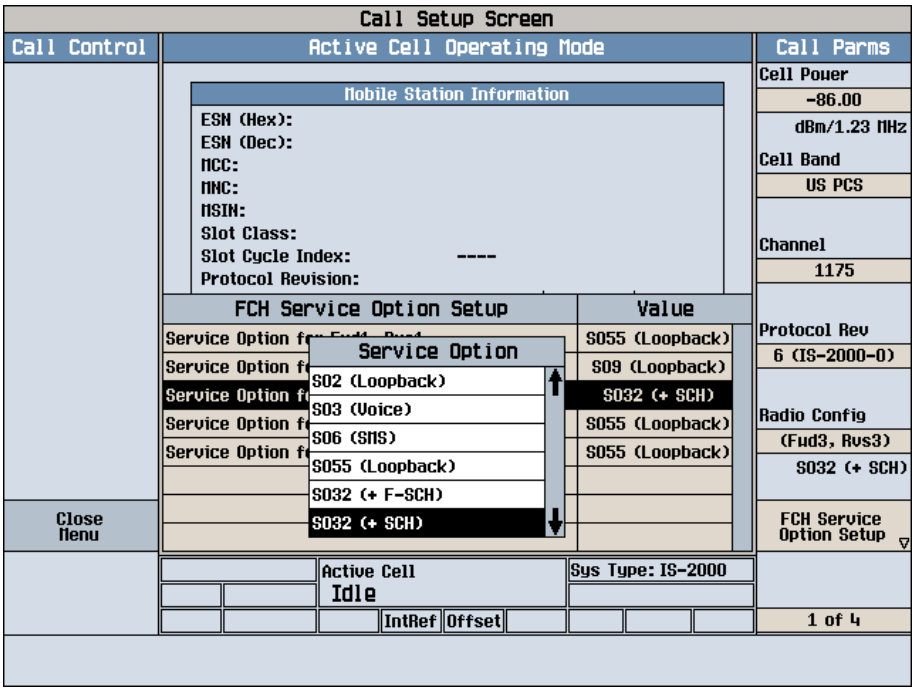
1. The EUT was connected to System Simulator, Agilent 8960. Refer to the drawing of Setup Configuration.
2. The RF path losses were compensated into the measurements.
3. A call was established between EUT and System Simulator with following setting:
   a. For 1xRTT, set the Radio Configuration and the 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.



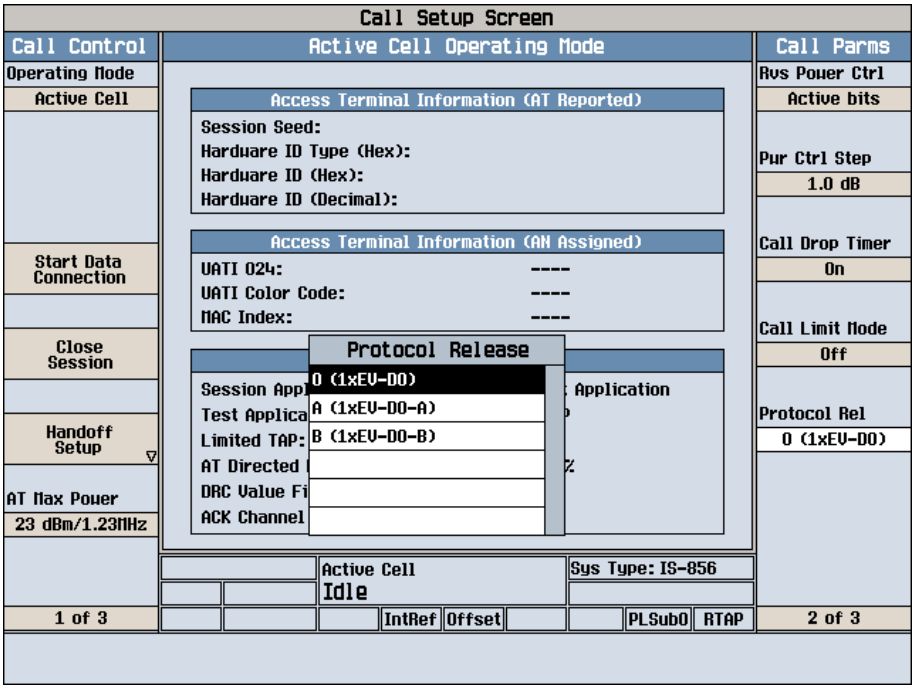

**1xRTT setting for Radio Configuration 1 with Service Option 55**



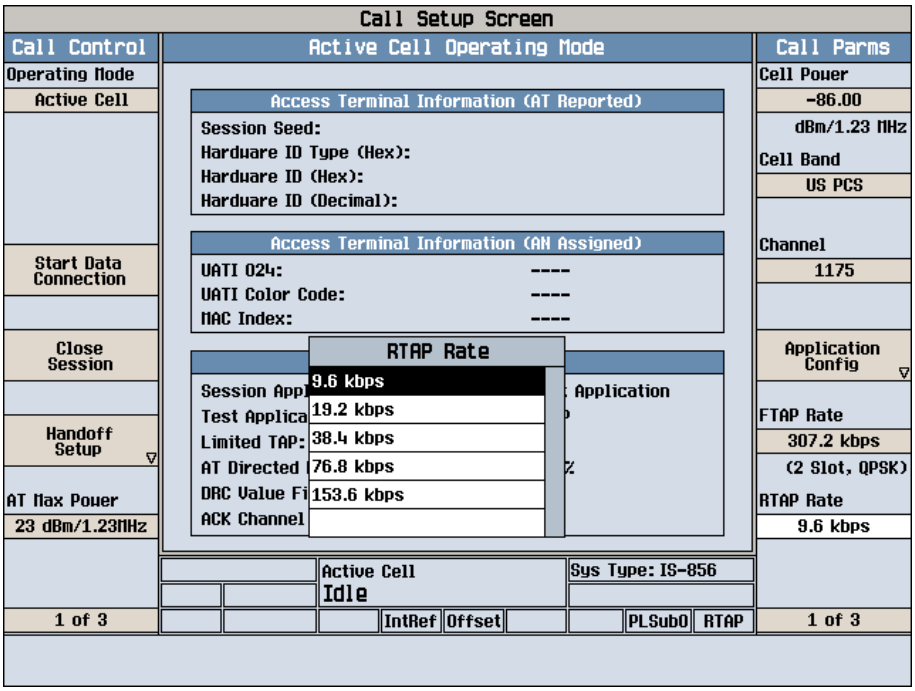

**1xRTT setting for Radio Configuration 3 with Service Option 55**



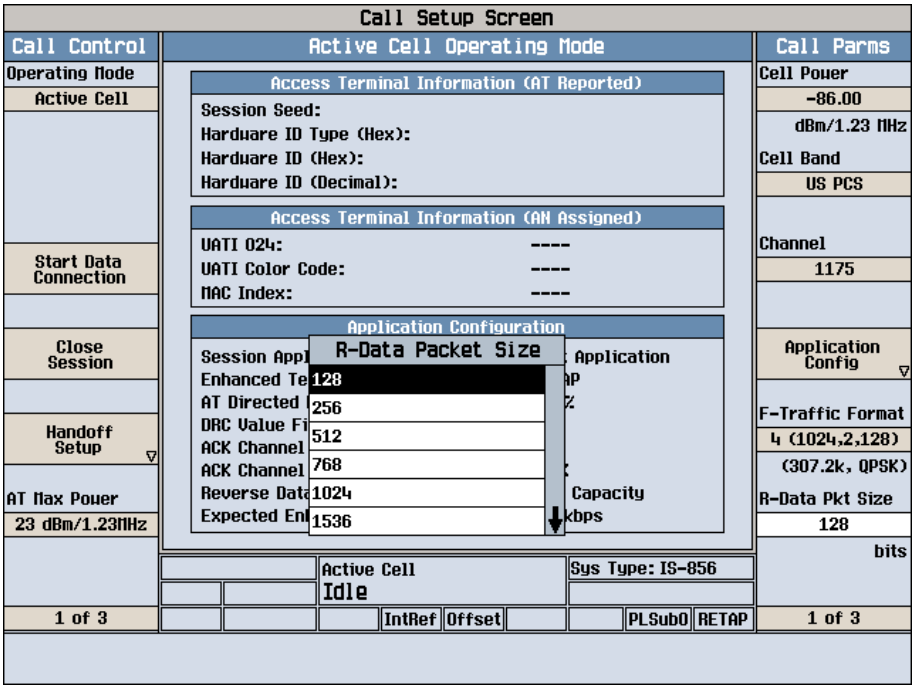

**1xRTT setting for Radio Configuration 3 with Service Option 32**




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




**1xEV-DO setting for RTAP data rate (9.6 or 38.4 or 153.6 kbps)**




**1xEV-DO setting for RETAP data rate (128 or 2048 or 12288 kbps)**

## 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