

APPLICANT: Lucent Technologies

FCC ID: AS5CMP-32

EXHIBIT 13

Section 2.1046 Measurements Required: RF Power Output

This test procedure is a measurement of the single channel RF power transmitted at the Analog Cellular Dual Radio Module (CDRM) output terminal as shown in the accompanying test set-up diagram. In accordance with TIA/EIA/IS-138-A (July 1996): TDMA Cellular/PCS – Radio Interface – Minimum Performance Standards for Base Stations, Section 3.2, the power level shall be maintained within +1 to –3 dB of the nominal rated single channel value across the Cellular Frequency Band 869.04 – 893.97 MHz. Using software control, a single unmodulated carrier was set to tune from Channel 991 to Channel 799, in approximately 50 channel steps. At each channel, the Analog CDRM power output was set to automatically tune to approximately the maximum rated single carrier power level of +15.5 dBm (36 mW) at the CDRM Tx terminal and measured as shown in the table below.

Cellular Channel No.	Cellular Frequency MHz	Cellular Frequency Band	Single Unmodulated Carrier Output dBm	Single Unmodulated Carrier Output mW
991	869.04	A''	15.14	31.8
1023	870.00	A''	15.00	31.6
50	871.50	A	14.99	31.5
100	873.00	A	14.97	31.3
150	874.50	A	15.01	31.7
200	876.00	A	15.07	32.3
250	877.50	A	15.19	32.7
300	879.00	A	15.25	33.5
334	880.02	B Setup	15.34	34.2
350	880.50	B	15.36	34.4
400	882.00	B	15.45	35.0
450	883.50	B	15.50	35.3
500	885.00	B	15.44	35.0
550	886.50	B	15.43	34.8
600	888.00	B	15.38	34.5
650	889.50	B	15.32	34.1
700	891.00	A'	15.26	33.7
750	892.50	B'	15.22	33.3
799	893.97	B'	15.13	32.5

Results:

Power measurements were made with a Hewlett-Packard E4418B, EPM Series Power Meter and an HP8482A Power Sensor. All measurements are within the required +1 to –3 dB of the rated +15.5 dBm maximum power output across the Cellular Frequency Band.

APPLICANT: Lucent Technologies

FCC ID: AS5CMP-32

EXHIBIT 13

Test set-up for measuring the power output from the Analog Cellular Dual Radio Module transceiver using a FLEXENT Development Cell (D-Cell).

TOM: TDMA Oscillator Module [15 MHz Reference Frequency]
TRC: TDMA Radio Controller
CDRM: TDMA/Analog Cellular Dual Radio Module

