

**APPLICANT: Lucent Technologies**

**FCC ID: AS5CMP-33**

**EXHIBIT 14**

**Section 2.1046 Measurements Required: RF Power Output**

This test procedure is a measurement of the single channel RF power transmitted to the antenna 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. A single channel was tuned to the approximate center of the Cellular Frequency Band Channel 400 at 882.00 MHz, and the power level set to approximately +30.8 dBm (1.2 Watts) at the Tx antenna terminal. The carrier was then tuned to consecutive frequencies across the Cellular Band, in 50 MHz steps, and the corresponding power level measured. Measurements were made first with the A-Band simplex transmit filter: Ch 991 (869.04 MHz) to Ch 716 (891.48 MHz), and then with the B-Band simplex filter: Ch 334 (880.02 MHz) to Ch 799 (893.97 MHz). The single channel RF power measurements are tabulated below.

**Single Channel Operation**

Cellular Ch. No.	Frequency MHz	Cellular A-Band dBm	Cellular B-Band dBm
991	869.04	30.47	xxx
1023	870.00	30.54	xxx
50	871.50	30.56	xxx
100	873.00	30.57	xxx
150	874.50	30.61	xxx
200	876.00	30.65	xxx
250	877.50	30.68	xxx
300	879.00	30.76	xxx
334	880.02	30.78	30.32
350	880.50	30.79	30.50
400	882.00	30.79	30.76
450	883.50	30.72	30.82
500	885.00	30.65	30.69
550	886.50	30.54	30.71
600	888.00	30.78	30.57
650	889.50	30.25	30.48
700	891.00	30.13	30.45
716	891.48	30.06	30.39
750	892.50	xxx	30.24
799	893.97	xxx	29.80

**Results:**

Power measurements were made with a Hewlett-Packard E4419A, EPM Series Power Meter and an HP ECP-E18A CW Power Sensor. All measurements are within the required +1 to –3 dB of the rated +30.8 dBm maximum single channel power output at the transmit antenna terminal.

APPLICANT: Lucent Technologies

FCC ID: AS5CMP-33

EXHIBIT 14

Test set-up for measuring the power output from the Cellular TDMA Multi Carrier Linear Amplifier at the Microcell transmit antenna terminal.

FLEXENT™ Cellular TDMA Microcell J41698B-1

TOM: TDMA Oscillator Module  
 TRC: TDMA Radio Controller  
 PCU: Power Conversion Unit  
 CDRM: Cellular TDMA Dual Radio Module  
 LISN: Line Impedance Stabilization Network

