

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 ANSI J-STD-010-1996, Section 3.2, the power level shall be maintained within +1 to -3 dB of the manufacturer's rated single channel value across the PCS frequency band 1930.08 – 1989.96 MHz. A single channel was tuned to the center frequency of B-Block, channel 917 at 1957.53 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 3 frequencies in each PCS Block, corresponding to the lower block edge (le), block center frequency (cf) and the upper edge frequency (ue), and the corresponding power level measured.

Single Channel Operation

PCS Block	PCS Ch. No.	PCS Freq. MHz	PMCLA Output at Antenna Terminal dBm
A(le)	2	1930.08	+30.80
A(cf)	250	1937.52	+31.20
A(ue)	498	1944.96	+31.20
D(le)	502	1945.08	+31.18
D(cf)	583	1947.51	+31.21
D(ue)	665	1949.97	+31.26
B(le)	668	1950.06	+31.27
B(cf)	917	1957.53	+31.01
B(ue)	1165	1964.97	+30.75
E(le)	1168	1965.06	+30.70
E(cf)	1250	1967.52	+30.65
E(ue)	1332	1969.98	+30.62
F(le)	1335	1970.07	+30.62
F(cf)	1417	1972.53	+30.52
F(ue)	1498	1974.96	+30.40
C(le)	1502	1975.08	+30.40
C(cf)	1750	1982.52	+30.08
C(ue)	1998	1989.96	+29.52

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.

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Power measurement was repeated with each of the 10 carriers tuned to separate frequencies within the same PCS Block, spaced at 7 channel increments and each set to approximately +30.8 dBm (1.2 Watts) to demonstrate the maximum rated power output operation at 12 Watts (40.8 dBm) total composite power for 10 carriers. The power levels were initially set in B-Block and then measured in each of the 6 blocks without further adjustment to demonstrate linearity across the PCS frequency band.

Ten Channel Operation

PCS Block	PCS Ch. Nos.	PCS Freq. MHz	PMCLA Output at Antenna Terminal dBm
A	100-163	1933.02-1934.91	+40.83
D	600-663	1948.02-1949.91	+40.86
B	700-763	1951.02-1952.91	+40.82
E	1200-1263	1966.02-1967.91	+40.36
F	1400-1463	1972.02-1973.91	+40.20
C	1700-1763	1981.02-1982.91	+39.87

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 +40.8 dBm (12 Watts) maximum composite ten channel power output at the transmit antenna terminal.

EXHIBIT 14

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

FLEXENT™ PCS-TDMA Microcell J41698A-1

TOM: TDMA Oscillator Module
 TRC: TDMA Radio Controller
 PCU: Power Conversion Unit
 PDRM: PCS-TDMA Dual Radio Module
 LISN: Line Impedance Stabilization Network

