

EXHIBIT 18

Section 2.1053 Measurements Required: Field Strength of Spurious Radiation

Radiated spurious emissions were measured with the equipment configured as in the normal mode of installation and operation; this is illustrated in the block diagram below. The complete Cellular TDMA Microcell J41698B-1 system, incorporating 5 Cellular TDMA Dual Radio Module (CDRM) transceivers, was investigated over the frequency range from the lowest RF frequency, 15 MHz, to the 10th harmonic of the carrier, 10 GHz, as required by Part 2.1057(a)(1). Part 2.1057(c) specifies that spurious emissions attenuated more than 20 dB below the required limitation do not need to be reported. In order to simulate worst case radiated emission conditions, ten TDMA carriers (2 per CDRM) were each tuned to separate channels in Mid Cellular A-Band, spaced at 7 channel increments and each modulated by a pseudo-random data bit stream for all 3 time slots. The lowest channel was Ch 400, 882.00 MHz. All 10 carriers were set to approximately equal power levels, sufficient to provide a total composite power output at the transmit antenna terminal of 12 Watts (40.8 dBm) as rated by the manufacturer. A non-radiating resistive load was connected to the antenna terminal for this test procedure. In accordance with ANSI C63.4-1992, preliminary measurement of radiated emissions was first performed in an RF shielded enclosure, using calibrated biconical, log periodic and double ridge guide horn antennas separated from the equipment under test (EUT) by approximately 1-2 meters. The purpose of this procedure was to isolate and identify specific signal frequencies radiating from the EUT. If warranted, the EUT would next be installed on the Whippany 10-Meter Open Area Test Site (OATS), which was previously authorized by the Commission, and the field strength of the strongest signal frequencies accurately measured for compliance.

RESULTS:

The preliminary test showed no distinct, measurable, radiating signal frequencies above the instrumentation noise floor that would warrant measurement on the 10-Meter OATS. The FLEXENT™ Cellular TDMA Microcell J41698B-1, incorporating the Cellular TDMA Dual Radio Module transceivers, 44WR54, and the Cellular Multi Carrier Linear Amplifier (CMCLA), 44WA29, demonstrated full compliance with the requirements Part 2.1053 and Part 22.917.

Test Set-up:

FLEXENT™ Cellular TDMA Microcell J41698B-1

