

Exhibit 16

SECTION 2.1053

FIELD STRENGTH OF SPURIOUS RADIATION

Field strength measurements of radiated spurious emissions were made at the ten meter Open Air Test Site maintained by the FCC Compliance Group of Lucent Technologies Inc./ Bell Laboratories Department JW83BC000 in Whippany, New Jersey. A complete description and full measurement data for the site have been placed on file with the Commission.

Nine **ULAMs** was assembled with nine CBR and all other associated equipment in a **FLEXENT**® PCS CDMA Modular Cell (Outdoor Cabinet). The units were configured into three groups of three carrier MCA's operating in different sub-Blocks for a total of nine carriers. The power for each carrier was set at the specified J4 level of 16 W/ Carrier. At each of the three J4 outputs there was 48 W total per MCA. The spectrum from 10 MHz to the tenth harmonic of the carrier was searched for spurious radiation. Measurements were made using both horizontally and vertically polarized antennas. All emissions more than 20 dB below the specification limit were considered not reportable (Section 2.1053).

The calculated emission levels were found by:

$$P_{\text{meas}} (\text{dBm}) + \text{Cable Loss}(\text{dB}) + \text{Antenna Factor}(\text{dB}) + 107 (\text{dB}\mu\text{V}/\text{dBm}) - \text{Amplifier Gain} (\text{dB}) \\ = \text{Field Strength} (\text{dB}\mu\text{V}/\text{m})$$

Section 24.238 and 2.1053 contains the requirements for the levels of spurious radiation as a function of the level of the unmodulated carrier. The reference level for the unmodulated carrier is calculated as the field produced by an ideal dipole excited by the transmitter output power according to the following relation taken from Reference Data for Radio Engineers, page 676, 4th edition, IT&T Corp.

$$E = [(49.2 * P)^{1/2}] / R$$

$$20 \log (E * 10^6) - (43 + 10 \log P) = 73.9 \text{ dB } \mu\text{V}/\text{meter}$$

E = Field Intensity in Volts/ meter

P = Transmitted Power in watts = 16 W/ Carrier 48 per MCA x3

R = Distance in meters = 10 m

RESULTS:

For this particular test, the field strength of any spurious radiation is required to be less than 73.9 dBμV/meter. Reportable measurements are equal to or greater than 53.9 dB μV/meter. Over the spectrum investigated, 10 MHz to tenth harmonic of the carrier, no reportable spurious emissions were detected. This demonstrates that the Ultra Linear Amplifier Module/ Multi Carrier Amplifier (**ULAM/ MCA**), the subject of this application, complies with Sections 2.1053, 24.238 and 2.1057 of the Rules.

Additional testing to 47CFR Part 15 documented compliance with the Class A requirements.

Conducted Spurious tests on the receiver antenna terminal documented compliance with the 2 nW requirement of 47CFR Part 15.