EXHIBIT 15

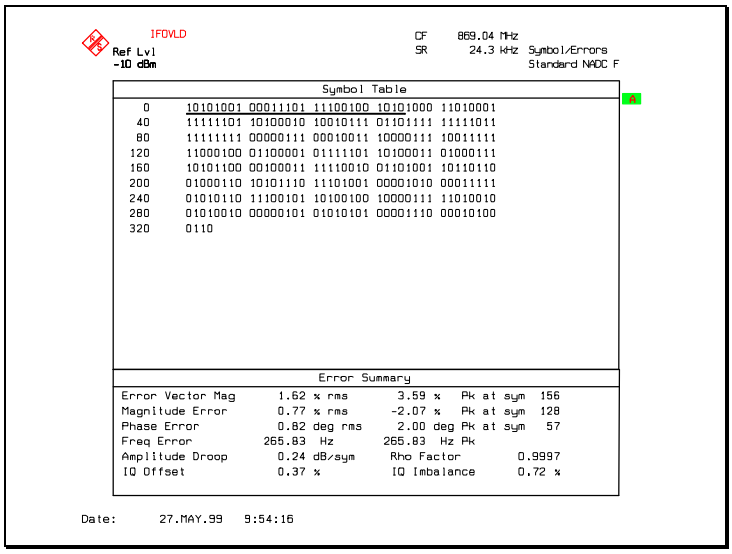
Section 2.1047 Measurements Required: Modulation Characteristics

The TDMA modulation utilized by the Cellular TDMA Dual Radio Module (CDRM), 44WR54, is the standard π/4 differentially encoded quadrature phase shift keying (π/4 DQPSK). The modulation accuracy measurements were performed with all 3 TDMA time slots modulated with a pseudo-random bit stream. Measurements were made at the CDRM output terminal on the backplane, with CDRM tuned to: 1) the lowest settable Cellular channel, A-Band Ch 991 869.04 MHz; 2) mid Cellular Band Ch 400 882.00 MHz; and 3) the highest settable Cellular channel B-Band Ch 799 893.97 MHz. The required modulation accuracy is specified in TIA/EIA/IS-138-A, July 1996, Section 3.3.2 Digital. The "minimum standard", or limitation, is stated that the RMS error vector magnitude shall be less than 12.5%.

Measurements were made with a Rohde & Schwarz Spectrum Analyzer 20 Hz to 26.5 GHz FSEM, Model 1079.8500.30, calibrated as required for ISO-9001 compliance. The measurement results and test set-up block diagram are included.

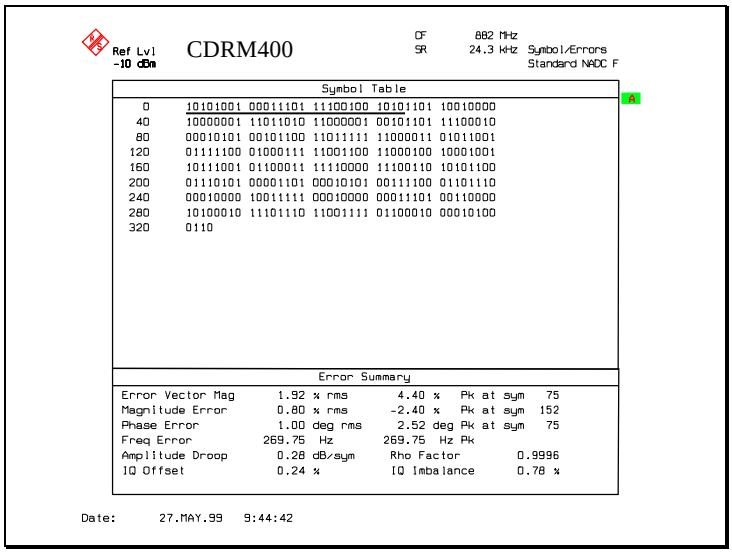
RESULTS:

The measurement data below demonstrates that the Cellular TDMA Dual Radio Module (CDRM), 44WR54, is in full compliance with the modulation accuracy requirements specified in TIA/EIA/IS-138-A. The error vector magnitude is less than 12.5% across the Cellular Frequency Band 869.04 – 893.87 MHz.

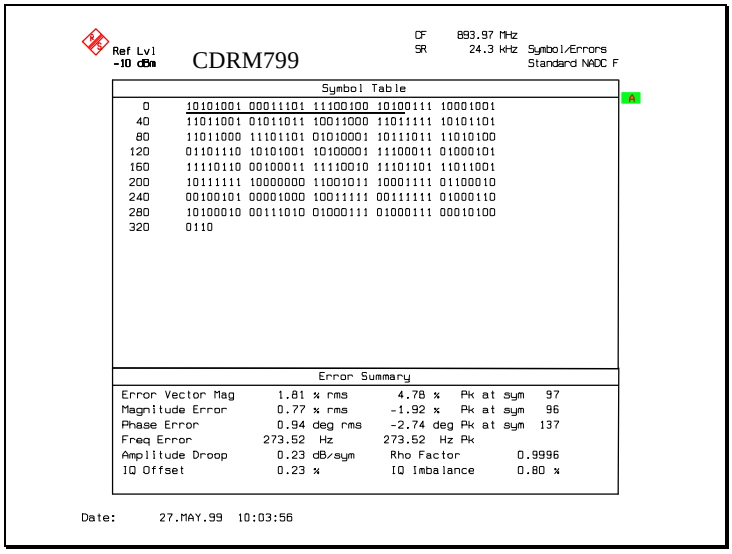


Modulation Accuracy: Cellular TDMA Dual Radio Module (CDRM), 44WR54, output tuned to
A-Band Channel 991, 869.04 MHz
Error Vector Magnitude = 1.62% rms

EXHIBIT 15



Modulation Accuracy: Cellular TDMA Dual Radio Module (CDRM), 44WR54, output tuned to Mid Band Channel 400, 882.00 MHz
Error Vector Magnitude = 1.52% rms



Modulation Accuracy: Cellular TDMA Dual Radio Module (CDRM), 44WR54, output tuned to B-Band Channel 799, 893.97 MHz
Error Vector Magnitude = 1.81% rms

APPLICANT: Lucent Technologies **FCC ID: AS5CMP-32**

EXHIBIT 15

Test set-up for measuring the modulation accuracy of the Cellular TDMA Dual Radio Module transceiver.

FLEXENT™ Cellular TDMA Microcell J41698B-1