

Radiated Emissions Test Setup

Remote Unit



HUB



Comments

The Transcell TDMA 1900 System Consisting Of One Dual HUB And One Remote Unit **conformed** to the requirements of FCC 47 CFR Part 15, Sub-Class C. Emissions were below the limit over the entire frequency range. Reference Appendix B for Radiated Emissions Plot Sheets.

6.0 Conducted Emissions (AC Power Leads Voltage)

6.1 Conducted Emissions (AC Power Leads Voltage) Test Procedure

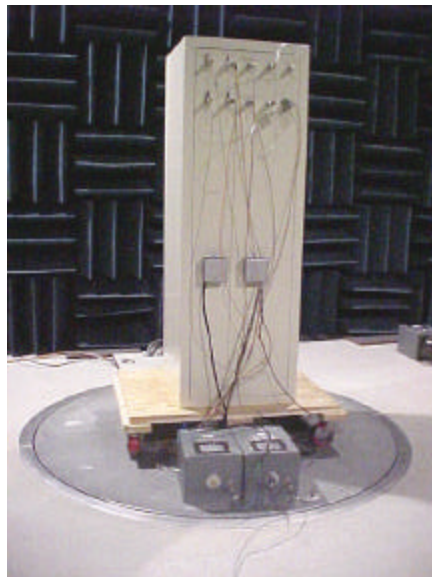
Conducted measurements were made with power supplied to the Transcell TDMA 1900 System Consisting Of One Dual HUB And One Remote Unit; support equipment not part of the Transcell TDMA 1900 System was powered through a similar but separate LISN. Each of the Transcell TDMA 1900 System's input power leads were scanned first with a peak detector. The highest peak amplitudes relative to the appropriate limits were identified and re-measured using a quasipeak detector. At least six of all peaks closest to the respective limits were recorded in this report. The conducted emissions test was performed using NTS' automatic EMI test equipment. This equipment utilized HP EMI measurement software running on a HP computer that interfaced directly with GPIB (IEEE) compatible instruments with graphical displays presented on the spectrum analyzer's CRT, with hard copies of the data generated by a plotter. The program automatically selects the range of test frequencies or band, and sets the specification line limits to be used during the test. This equipment/software allows for real time data reduction and prints tabulated data on peak value or quasi-peak value measurements.

Conducted Emissions Test Setup

Remote Unit



HUB



Comments

The Transcell TDMA 1900 System conformed to the requirements the Conducted Emission (AC Power Leads Voltage) Test. Emissions were below the limit over the entire frequency range. Reference Appendix C for Conducted Emissions Plot Sheets.