Test Setup Photos

3.4 Test Setup (continued)

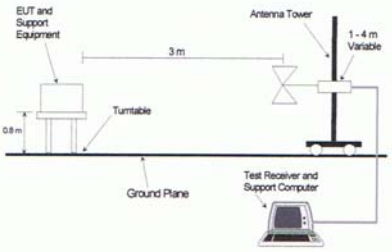

Figure 3-1
Typical Diagram of Radiated Emissions Test Setup

Figure 3-2
Radiated Emissions Test Set-up

3.5 Test Procedure

1. The EUT was placed directly on the reference ground plane at the Open-Area Test Site described in the Executive Summary.

2. The EUT was placed 3 meters away from the interference-receiving antenna, which was mounted on a variable-height antenna tower.

3. For each suspected EUT emissions point, the EUT was maximized to locate the worst case configuration. The table was rotated from 0 to 360 degrees and the antenna height was varied from one (1) to four (4) meters to identify the maximum reading.

2.3 Test Setup

The EUT and test equipment were configured in accordance with guidelines specified in CFR 47, Part 15 and ANSI C63.4-2003, "American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical Equipment in the Range of 9 kHz to 40 GHz." Figure 2-1 is a typical test set-up diagram and Figure 2-2 is an actual test setup used to ensure compliance with the subject standard.

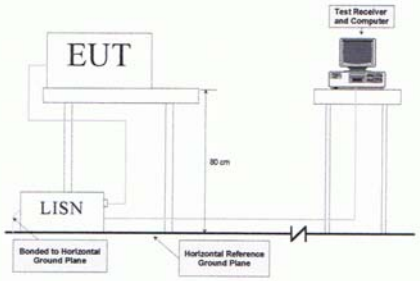

Figure 2-1
Typical Diagram of Conducted Emissions Test Setup

Figure 2-2
Actual Conducted Emissions Test Setup

2.4 Test Procedure

1. The EUT was placed directly on the reference ground plane at the Open Area Test Site described in the Executive Summary.

2. The Battery Charger supplied with the EUT was connected to the power mains through a Line Impedance Stabilization Network (LISN). The LISN provided 50 ohm/50 µH of coupling impedance for the measuring instrument.

3. The Battery Charger was placed in an active state (i.e., charge mode) and monitored for functionality throughout testing.

4. Both Line and Neutral of the power mains connected to the EUT were measured for maximum conducted interference.

5. The frequency range from 150 kHz to 30 MHz was evaluated and recorded. Emissions levels below – 20 dB were not recorded.

2.5 Test Results

Prior to test, all cable positions (if applicable) were maximized to ensure that the system equipment configuration used for testing provided the maximum emissions. In the maximized test configuration, the conducted emissions from the EUT complied with the Class B requirements specified in FCC Part 15.