1.0 EUT Description

The Equipment Under Test (EUT) is the **Wireless Computing RF-250 Wireless Keyboard**. The **RF-250 Wireless Keyboard** is battery-powered wireless 900 MHz FM Keyboard. The EUT operates at 916.55 MHz and is designed for compliance with 47 CFR 15.249 of the FCC rules. Specific test requirements for this device include the following:

47 CFR 15.249	Fundamental Transmit Power
47 CFR 15.249 & 15.209	Spurious Radiated Power
47 CFR 15.249 & 2.1049	Occupied Bandwidth (2.989 used as Procedural Reference)
47 CFR 15.203	Antenna Requirement

The system tested consisted of the following:

Manufacturer & Model	**Serial #**	**FCC ID #**	**Description**
Wireless Computing, RF250KBD-A	B	None	KeyboardTransmitter
Sony VAB PCG-Z505HE	2830563232404 14		Laptop

1.1 EUT Operation

The **RF-250 Wireless Keyboard** was operated using two new AA batteries. The EUT was turned on and ran automatically. Setup and operational modes cover worst-case configuration and operational modes for the device. The frequency of the transmitting signal is 916.55 MHz.

2.0 Electromagnetic Emissions Testing

Professional Testing (EMI), Inc. (PTI), follows the guidelines of NIST for all uncertainty calculations, estimates and expressions thereof for EMC testing.

Radiated emission measurements were made of the Fundamental and Spurious Emission levels for the **RF-250 Wireless Keyboard**. Measurements of the occupied bandwidth were also made for the equipment.

Measurements of the maximum emission levels for the fundamental and the spurious/harmonic emissions of the **RF-250 Wireless Keyboard** were made at the Professional Testing "Open Field" Site 3, located in Round Rock, Texas to determine the radio noise radiated from the EUT. A “Description of Measurement Facilities” has been submitted to the FCC and approved pursuant to Section 2.948 of CFR 47 of the FCC rules.

Tests of the fundamental and spurious emissions for the device were performed to determine the worst-case polarization of the devices. The fundamental and spurious emissions of the device were measured with the antennas of the devices vertical and horizontal to the ground plane.