

# Photograph 1. Conducted Emissions Test Configuration



Photograph 2. Radiated Emissions Test Configuration



- 1. Test Laboratory
- 2. AC Power for Peripheral Devices (230V, 50 cycles, single phase)



Figure 2. Conducted Emissions Test Setup Diagram

NOT TO SCALE

- 1. Test Laboratory (6 X 6 meters)
- 2. Ground Plane (15 square meters)
- 3. Vertical Conducting Wall (Grounded through Ground Plane via 10' ground rod)
- 4. AC Power for Devices
- 5. Power Line Filter, Lindgren, 120 dB, 30 amp
- 6. Line Impedance Stabilization Network (LISN) for peripheral devices
- 7. Power Distribution Box for peripheral devices
- 8. Spectrum Analyzer with Quasi-Peak Adapter
- 9. High Pass Filter
- 10. Transient Limiter
- 11. LISN for EUT
- 12. Non-Conducting table 80 cm above ground plane

Figure 3. Frequency ID of Radiated Emissions Test Setup Diagram



NOT TO SCALE

- 1. Test Laboratory
- 2. Spectrum Analyzer with Quasi-Peak Adapter
- 3. Coax interconnect from Antenna to Spectrum Analyzer
- 4. Receive Antenna (basic relative position)
- 5. Non-Conducting table 80 cm above ground plane
- 6. Power strip for EUT and peripherals
- 7. AC power for devices
- 8. EUT Wireless Base Station and Associated System



Figure 4. Radiated Emissions Test Setup Diagram

NOT TO SCALE

- 1. Ground plane (11 X 17 meters)
- 2. Spectrum Analyzer with Quasi-Peak Adapter
- 3. Coax interconnect from Receive Antenna to Spectrum Analyzer
- 4. Antenna Mast with motorized mounting assembly
- 5. Receive Antenna (basic relative position)
- 6. Non-Conducting table 80 cm above ground plane
- 7. AC power for devices
- 8. EUT: Wireless Base Stationand Associated System