The Model NE3000 Comparison Noise Emitter is a broadband noise source, which can be used as a reference standard for comparison of different test sites (OATS, screened rooms, anechoic chambers, etc.). The continuous, broadband output of the device reduces the probability of missed resonances possible when using a non-continuous standard (comb generators, pulse generators, etc.). The device is self contained and battery-powered. The device will typically operate for up to six hours on new batteries.

The Model NE3000 is supplied with vertical and horizontal OATS calibration data (3m) and consists of a base unit, three monopole antennas, a LISN adapter, two coaxial adapters, and a foam-lined carrying case.

**SPECIFICATIONS:**

**Base unit:**
- Frequency range: 9kHz–3500 MHz
  - 3500MHz–5000MHz (Some frequencies above 3500MHz are possible with limited performance).
- Dimensions (W x L x H): 120 mm (4.7”) x 188 mm (7.4”) x 80 mm (3.15”)
- Weight (excluding batteries): 1 kg (2.2 lbs)

**Antennas:**
- 70 mm top loaded monopole
  - Length (including connector): 100 mm (3.9”)
  - Disk diameter: 100 mm (3.9”)
  - Recommended frequency range: 200–1000 MHz

- 240 mm top loaded monopole
  - Length (including connector): 270 mm (10.63”)
  - Disk Diameter: 100 mm (3.9”)
  - Recommended frequency range: 30–300 MHz

- 1-5 GHz monocone
  - Length (including connector): 45 mm (1.77”)
  - Counterpoise diameter: 76 mm (2.99”)
  - Recommended frequency range: 1000–3500MHz
  - Limited performance: 3500–5000MHz