



**Model NE3000  
Comparison Noise Emitter  
9kHz–3500MHz**

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:**

<b>70 mm top loaded monopole</b>	
Length (including connector) .....	100 mm (3.9")
Disk diameter.....	100 mm (3.9")
Recommended frequency range .....	200–1000 MHz
<b>240 mm top loaded monopole</b>	
Length (including connector) .....	270 mm (10.63")
Disk Diameter .....	100 mm (3.9")
Recommended frequency range .....	30–300 MHz
<b>1-5 GHz monocone</b>	
Length (including connector) .....	45 mm (1.77")
Counterpoise diameter .....	76 mm (2.99")
Recommended frequency range .....	1000–3500MHz
Limited performance .....	3500–5000MHz