

## EM-6501 | Antenna, Wideband Blade/Monopole



### Description

The Electro-Metrics EM-6501 is a high-performance Wideband Monopole Blade Antenna designed to offer reliable performance in a rugged MANPACK/Radio compatible package.

Made in the USA, the EM-6501 is constructed out of premium impact resistant\*, UV resistant\*, and weather resistant\* materials.

The EM-6501 consists of a foldable semi-rigid element and a matching circuit in the base with a fixed TNC (male) Connector (EM-6501) or (male) connector Type-N (EM-6501-1) at the end.

### Specifications

#### Electrical

**Frequency Range:** 2 MHz – 520 MHz

**Polarization:** Linear, Vertical

**VSWR:** 3.5:1 Max above 10MHz, Less than 2:1 Average

**Antenna Pattern:** Omnidirectional

**Impedance:** 50Ω, Nominal

**Gain:** > -10 dBi Average above 20MHz

-31.1 dBi @ 5MHz

-53.7 dBi @ 2MHz

**Power Handling:** 15W CW above 30MHz

**Connector:** TNC (m) (EM-6501 | 2MHz-520MHz)

Type 'N' (m) (EM-6501-1 | 2MHz-520MHz)

#### Mechanical

##### Dimensions:

Length: 48" (1219.2 mm)

Diameter: EM-6501: 0.85 in. base (21.6 mm)

EM-6501-1: 0.85 in. base (21.6 mm)

Blade Width: 0.8 in. (20.3 mm)

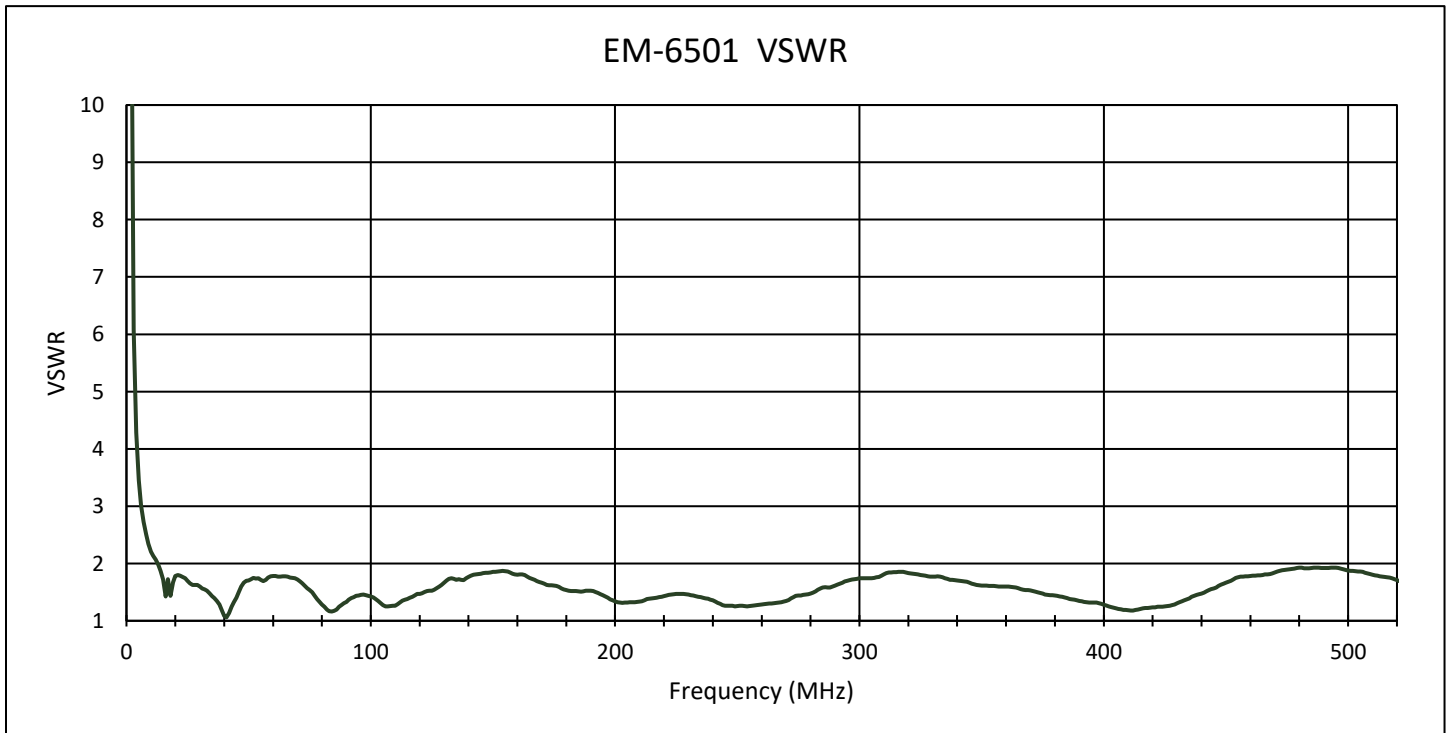
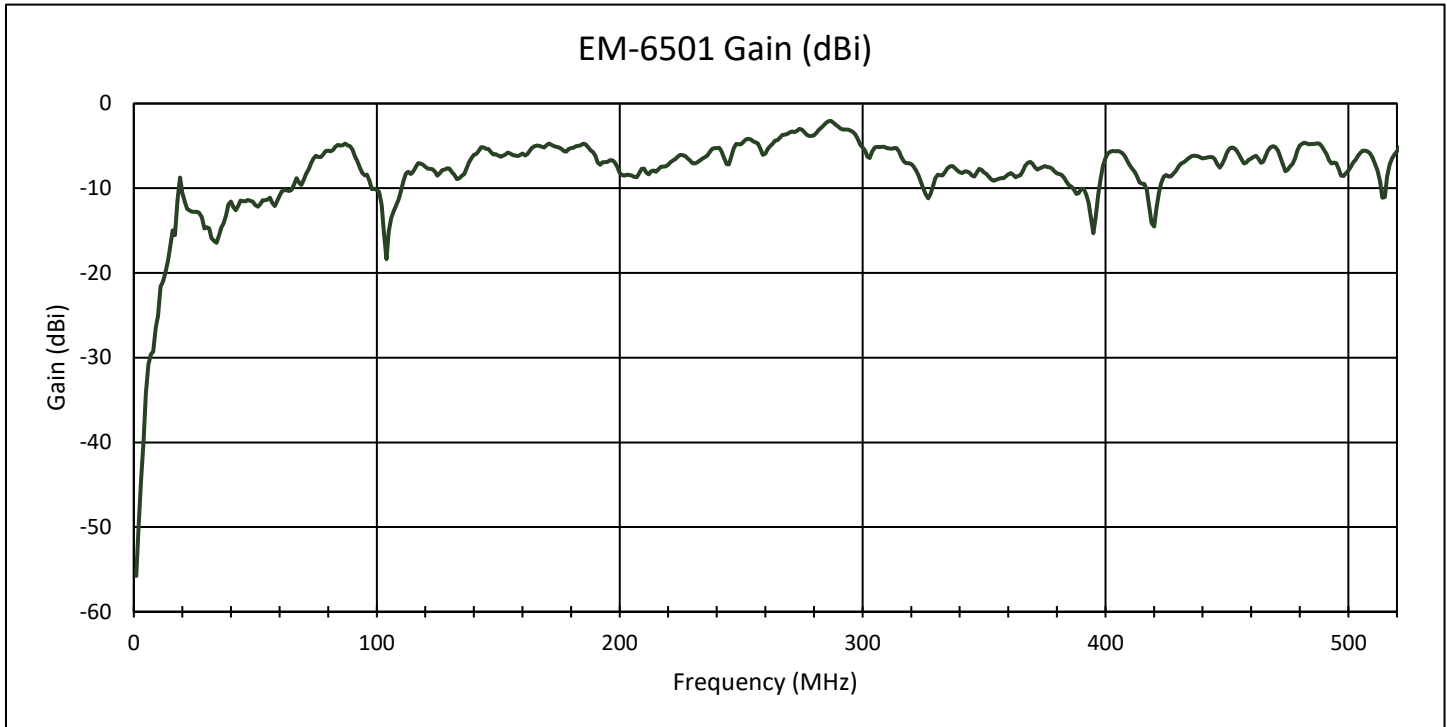
Weight: EM-6500: 0.5 lbs. (227g) \*Estimated

EM-6500-1: 0.5 lbs. (227g)

Specifications subject to change without notice, unless otherwise specified. Product is manufactured in Johnstown, NY, U.S.A.



## EM-6501 | Antenna, Wideband Whip/Monopole



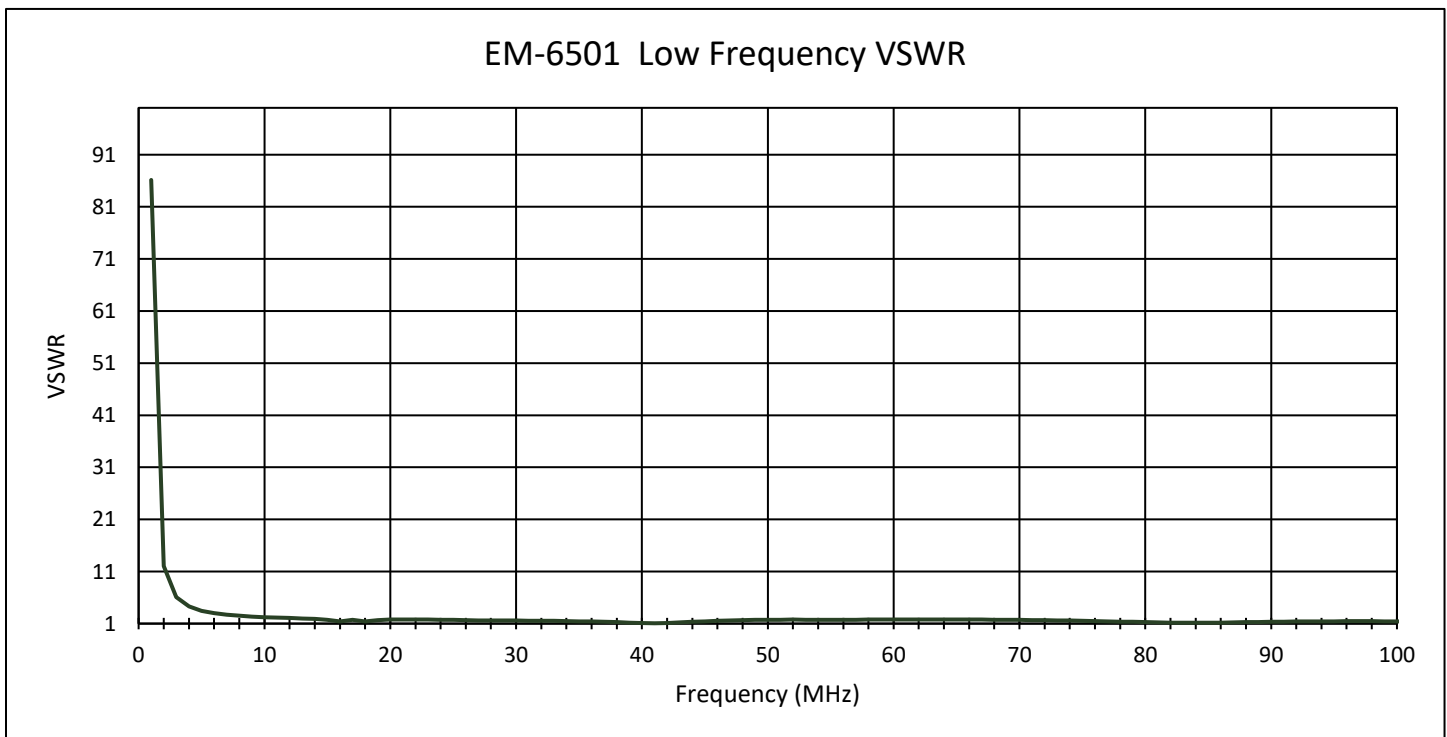
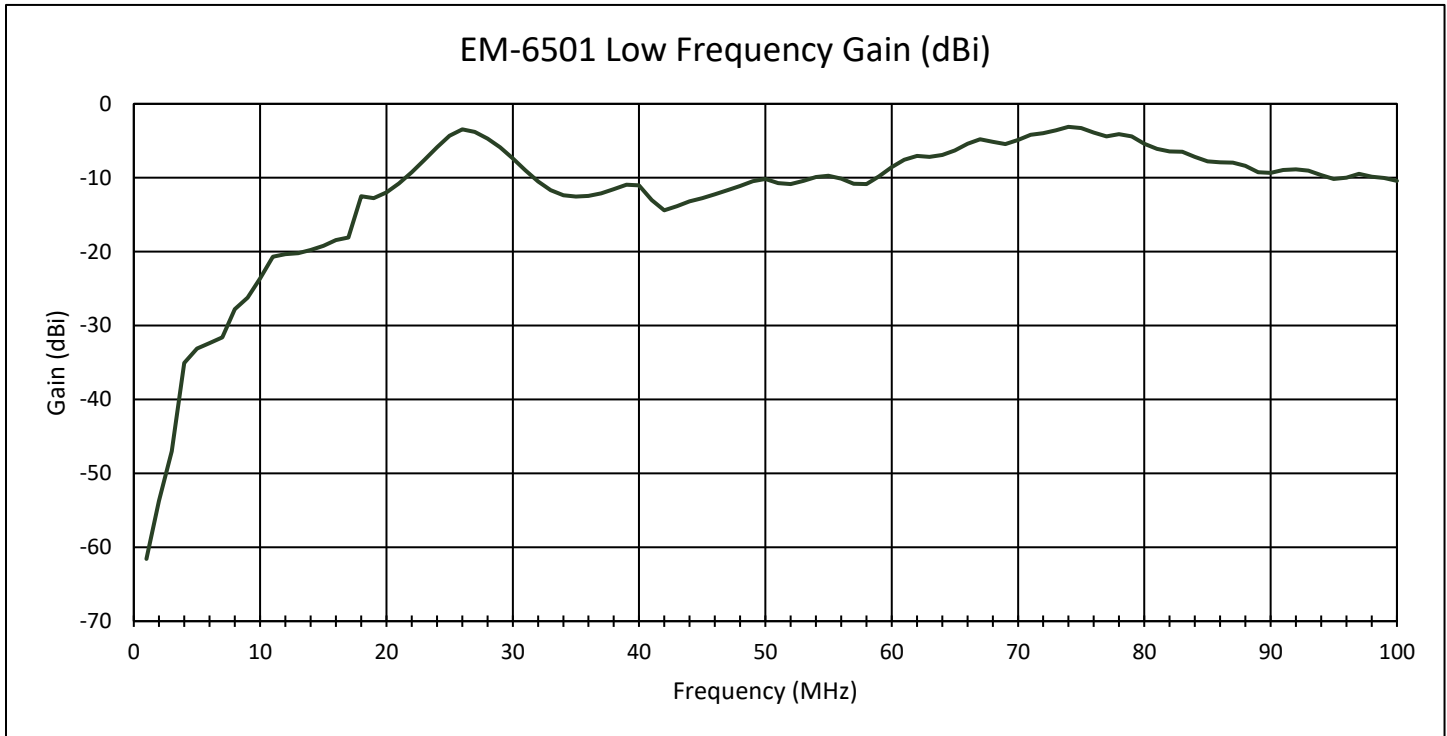
Gain measured at 1m separation using identical antennas without a ground plane. Average gain is shown.

VSWR measured directly on VNA Port without cable.

Data shown is typical, not guaranteed.



## EM-6501 | Antenna, Wideband Whip/Monopole



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