

EM-6550 | Wideband Manpack Antenna



Description

The EM-6550 Wideband Manpack Antenna is a rugged, high-performance solution designed for military-grade jamming, electronic warfare (EW), and tactical communication applications.

Engineered to operate across a broad frequency spectrum, this omnidirectional antenna delivers consistent performance in harsh environments, ensuring reliable signal disruption and secure data transmission.

Compact and durable with its foldable element, it is ideal for integration with mobile platforms, manpacks, and fixed installations in contested electromagnetic environments.

Specifications

Electrical

Frequency Range: 30MHz – 512MHz

Polarization: Linear, Vertical

VSWR: 3.5:1 Max

Less Than 2.5:1 Typical above 50MHz

Radiation Pattern: Omnidirectional

Impedance: 50Ω, Nominal

Gain: -3dBi Typical above 100MHz

-16dBi @ 30MHz

-5dBi @ 60MHz

Ground Plane Required: No

Power Handling: 30W CW

50W Up to 1 Hour

Connector: Type 'N' (m) (EM-6550 | 30MHz – 512MHz)

Mechanical

Dimensions:

Length: 51.5 in. (1308 mm)

Diameter: EM-6550: 1.25 in. base (31 mm)

Blade Width: 0.8 in. (20 mm)

Weight: EM-6550: 2.1 lbs. (0.95 kg)

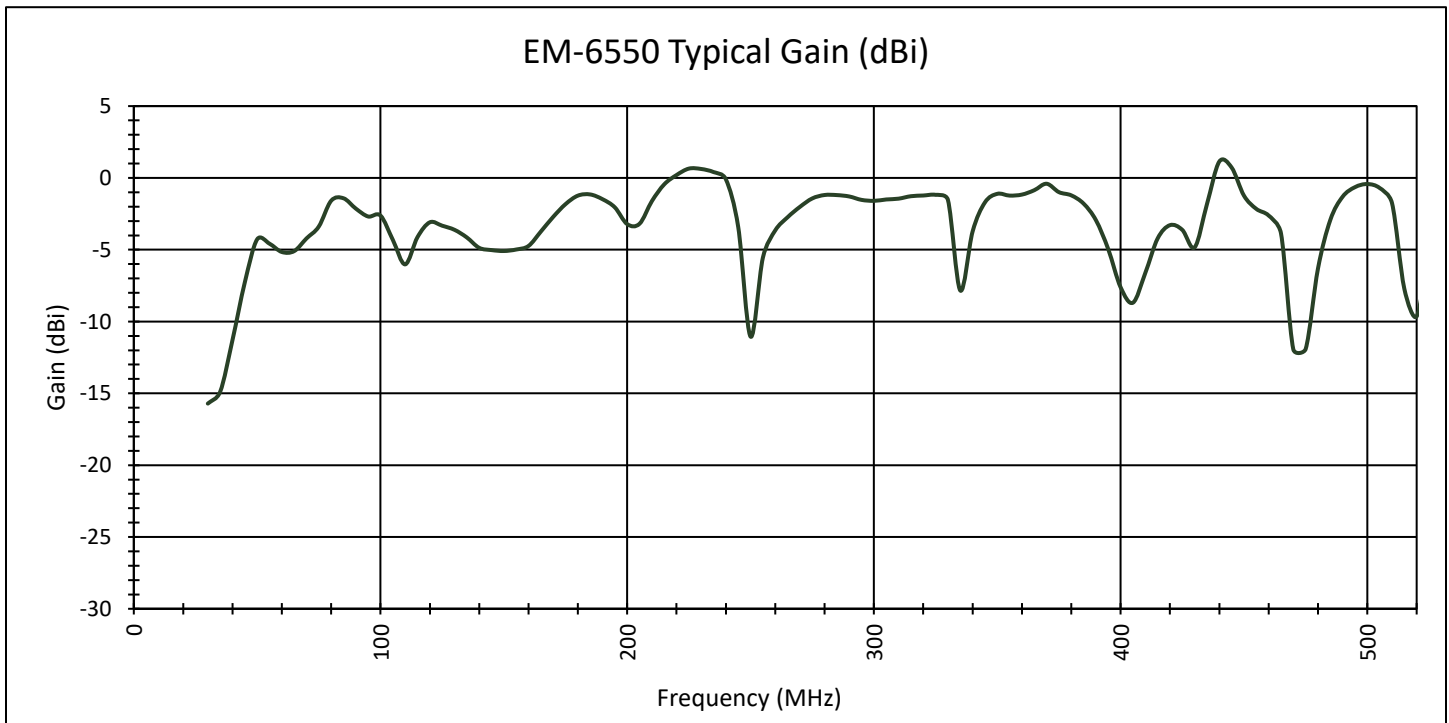
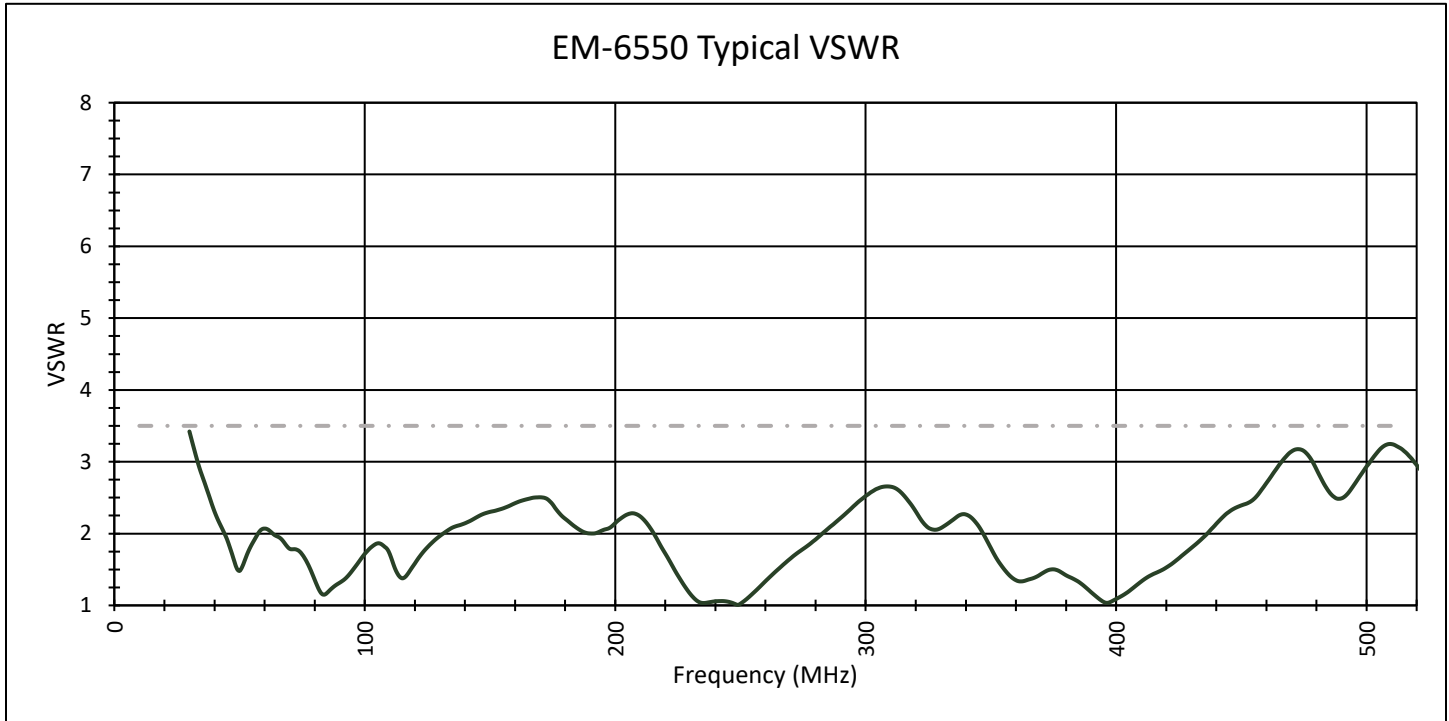
Color Options:

- Matte Black (default)

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



EM-6550 | Wideband Manpack Antenna



VSWR Measured directly on VNA without cable or ground plane.

Data shown is typical, not guaranteed.

Gain Measured at 1m using SAE ARP 958E

