

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 omni-directional 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:	30 MHz – 512 MHz
Polarization:	Linear, Vertical
VSWR:	3.5:1 Max Less Than 2.5:1 Typical above 50 MHz
Radiation Pattern:	Omni-directional
Impedance:	50Ω, Nominal
Gain:	-3 dBi Typical above 100 MHz -16 dBi @ 30 MHz -5 dBi @ 60 MHz
Ground Plane Required:	No
Power Handling:	30WCW 50W Up to 1 Hour
Connector:	Type 'N' (m) (EM-6550 30 MHz – 512 MHz)

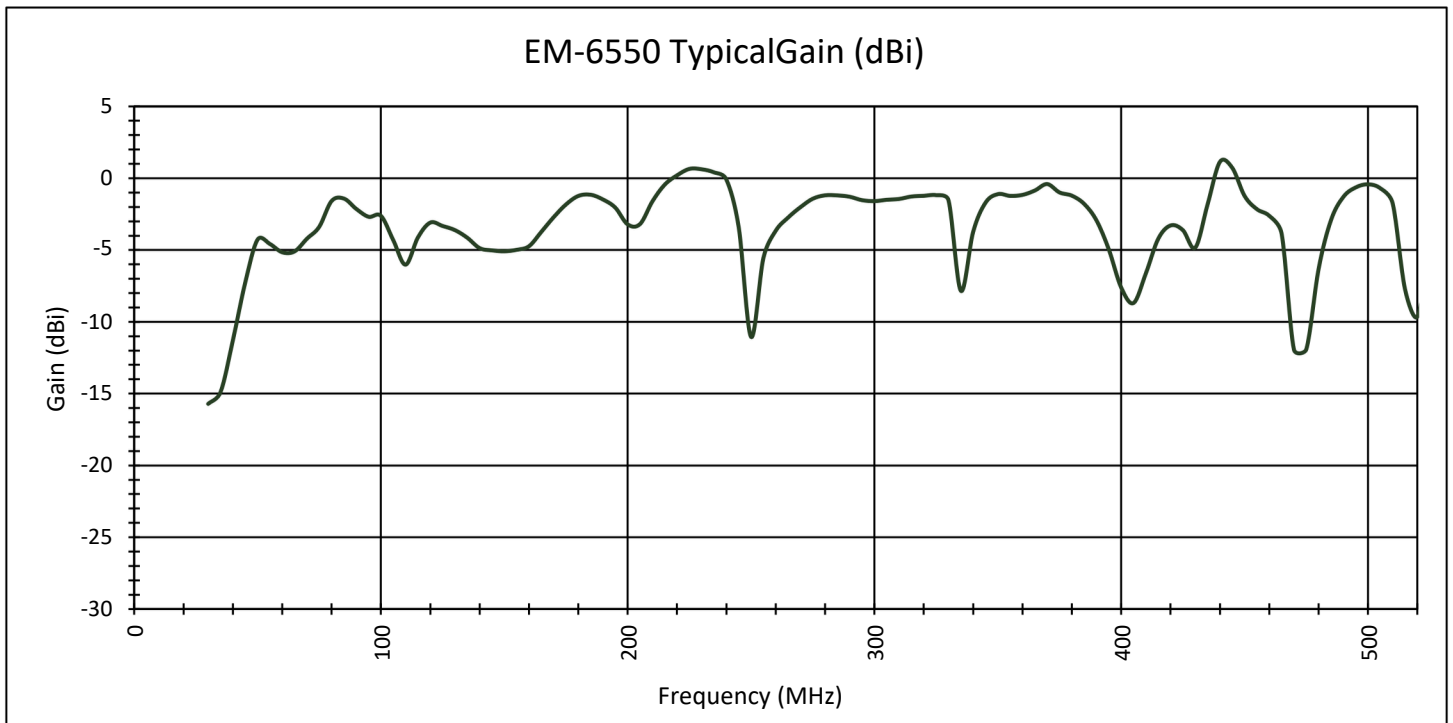
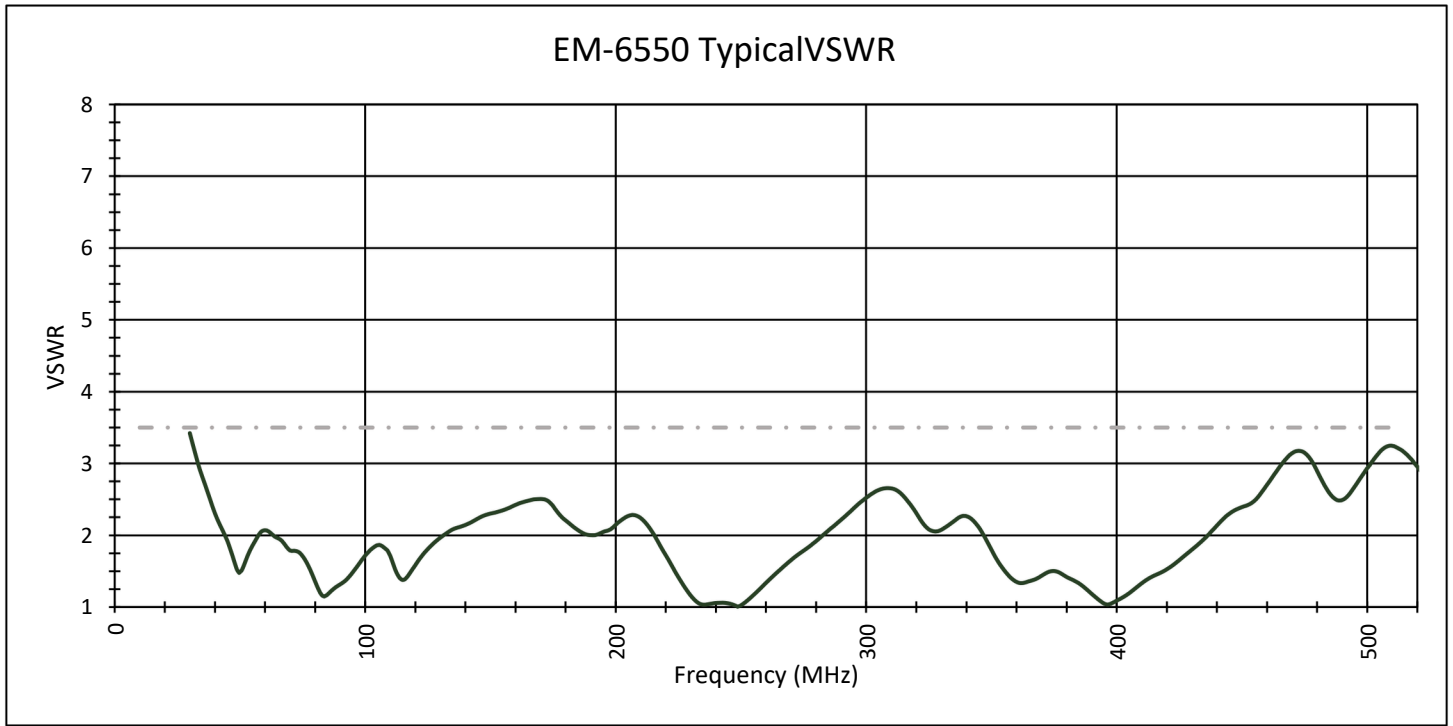
Mechanical

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.



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VSWR Measured directly on VNA without cable or ground plane.

Gain Measured at 1m using SAE ARP 958E

Datashown is typical, not guaranteed.

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