EM ANTENNAS

DATASHEET

SBA U.S. Small Business Administration HUBZONE CERTIFIED

EM-6550 | Antenna, Wideband, 50W Manpack Monopole



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.

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

Use Cases

Tactical Communications, Electronic Warfare Systems

Specifications

Electrical

Frequency Range:	30 MHz – 512 MHz
Polarization:	Linear, Vertical
VSWR:	<2.5:1 Typical above 50 MHz <3.5:1 Max
Radiation Pattern:	Omni-directional
Impedance:	50Ω, Nominal
Average Gain:	-3 dBi Typical above 100 MHz -5 dBi @ 60 MHz -16 dBi @ 30 MHz
Tested Maximum Input Power:	30W CW 50W Up to 1 Hour
Connector:	Type 'N' (EM-6550 | 30MHz - 512MHz)

Mechanical

Height:	51.5 in. (130.8 cm)
Diameter (Base):	1.25 in. (3.1 cm)
Blade Width:	0.8 in. (2.0 cm)
Weight (Antenna Only):	2.1 lbs. (0.95 kg)
Color Options:	Matte Black (default) Custom colors available upon request

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

MADE IN USA

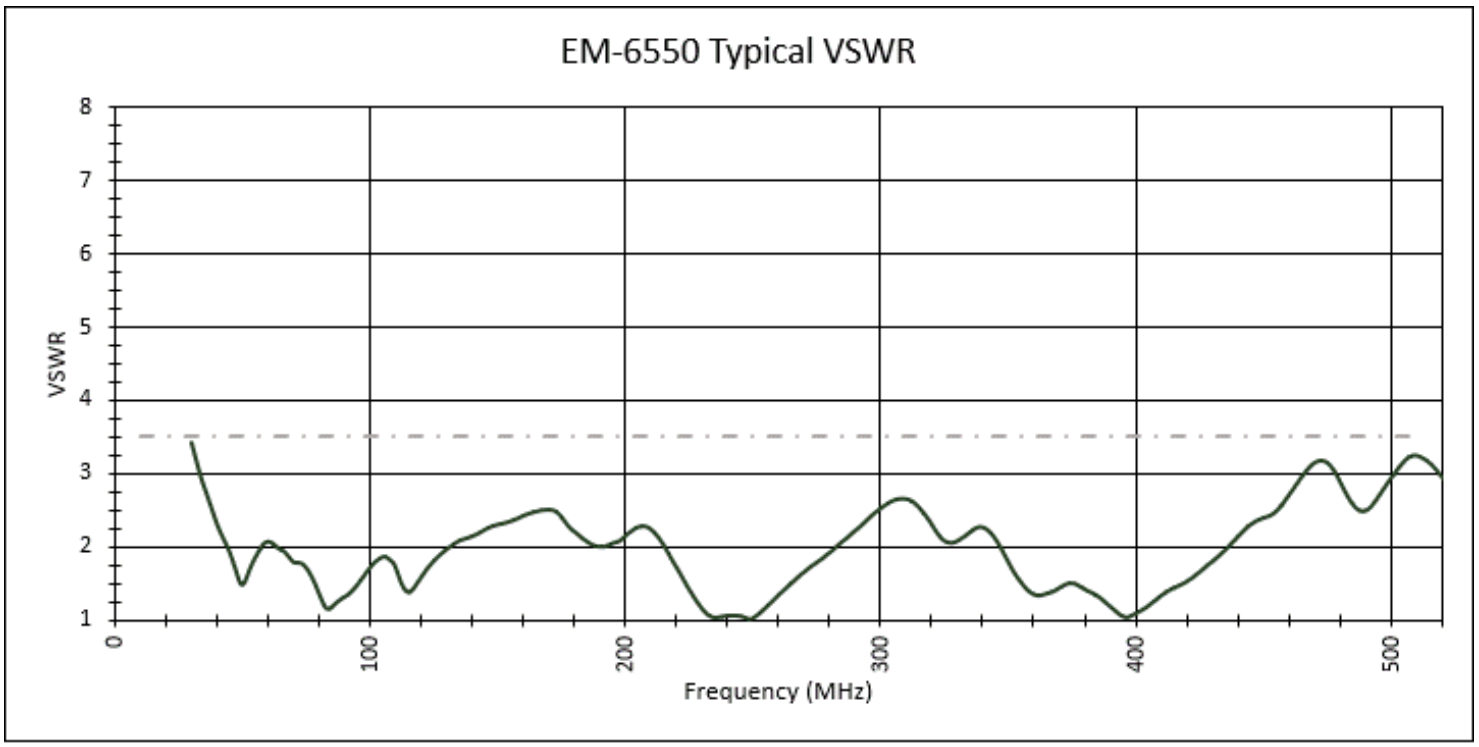
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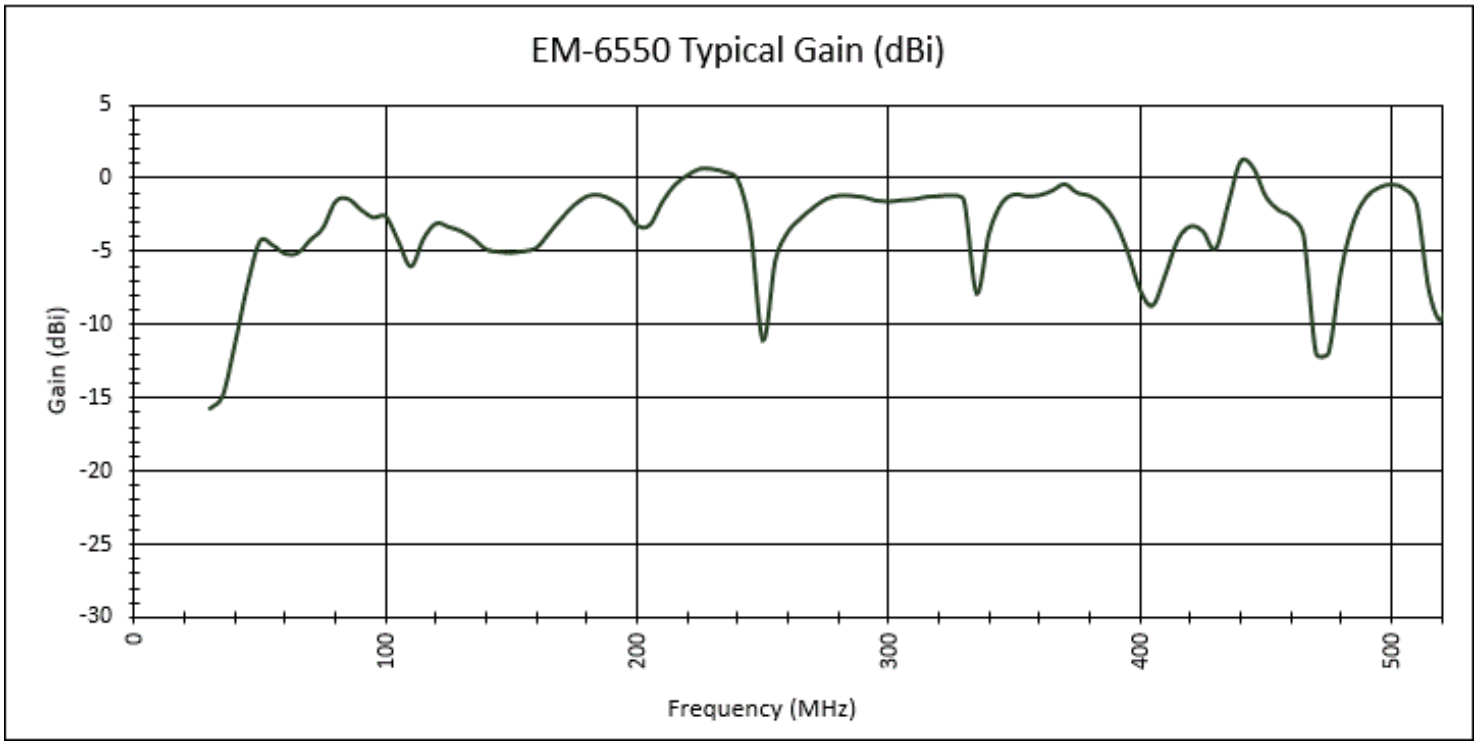
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Max* Gain values determined from scans at all Azimuth.
Data shown is typical, not guaranteed.

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