EM ANTENNAS

DATASHEET

SBA U.S. Small Business Administration HUBZONE CERTIFIED

EM-6501 | Antenna, Wideband, Manpack Blade Monopole



Description

The EM-6501 Wideband Manpack Antenna is a rugged, high-performance solution designed to offer reliable performance in a rugged MANPACK/Radio package.

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:	2 MHz – 520 MHz
Polarization:	Linear, Vertical
VSWR:	<2.5:1 Typical <3.5:1 Max, above 10 MHz
Radiation Pattern:	Omni-directional
Impedance:	50Ω, Nominal
Average Gain:	> -10 dBi above 20 MHz -31.1 dBi @ 5 MHz -53.7 dBi @ 2 MHz
Estimated Max Input Power:	15W CW above 30 MHz 5W CW above 2-30 MHz
Connector:	TNC (EM-6501 | 2MHz - 520MHz) Type 'N' (EM-6501-1 | 2MHz - 520MHz)

Mechanical

Height:	48 in. (121.9 cm)
Diameter (Base):	0.85 in. (2.2 cm)
Blade Width:	0.8 in. (2.0 cm)
Weight:	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.

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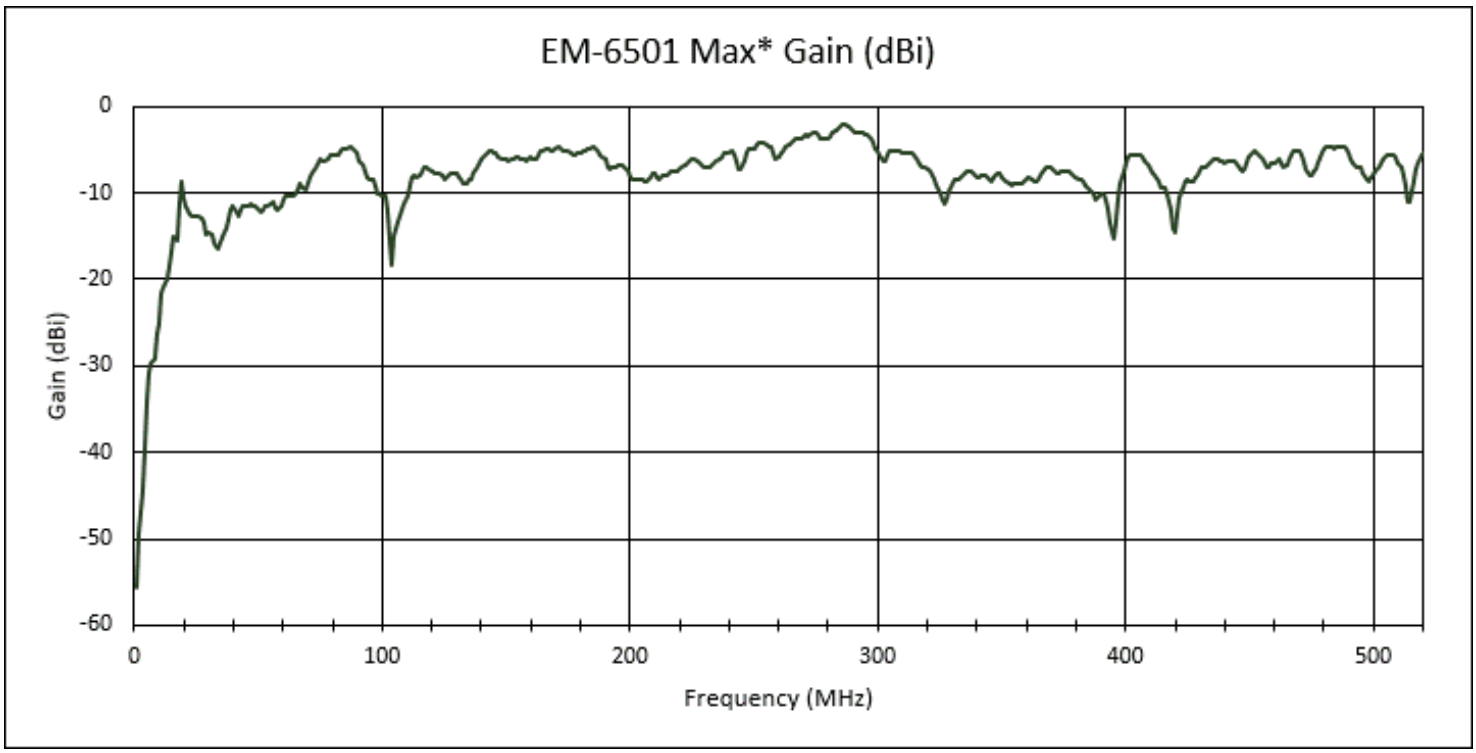
231 Enterprise Rd., Johnstown NY 12095 518.762.2600 www.em-antennas.com

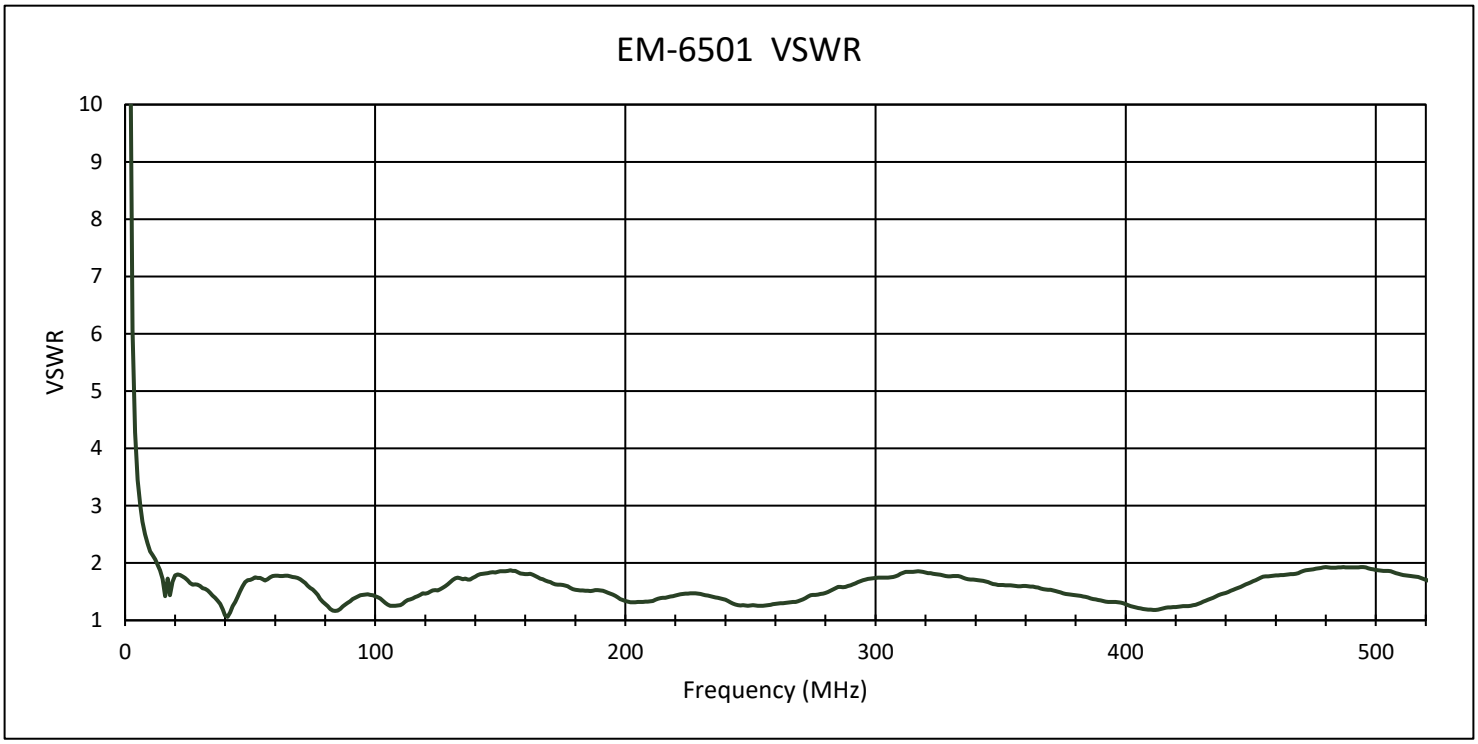
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Max* Gain values determined from scans at all Azimuth.
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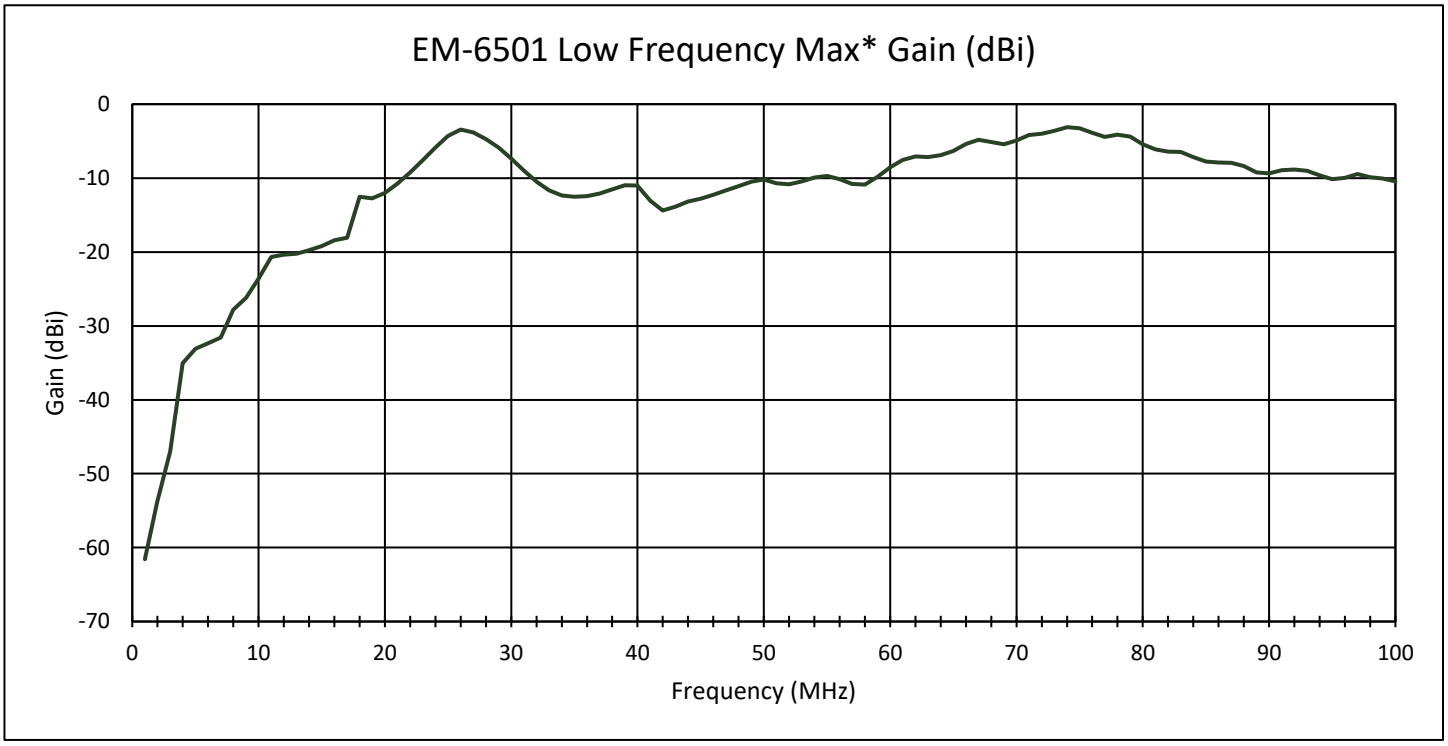
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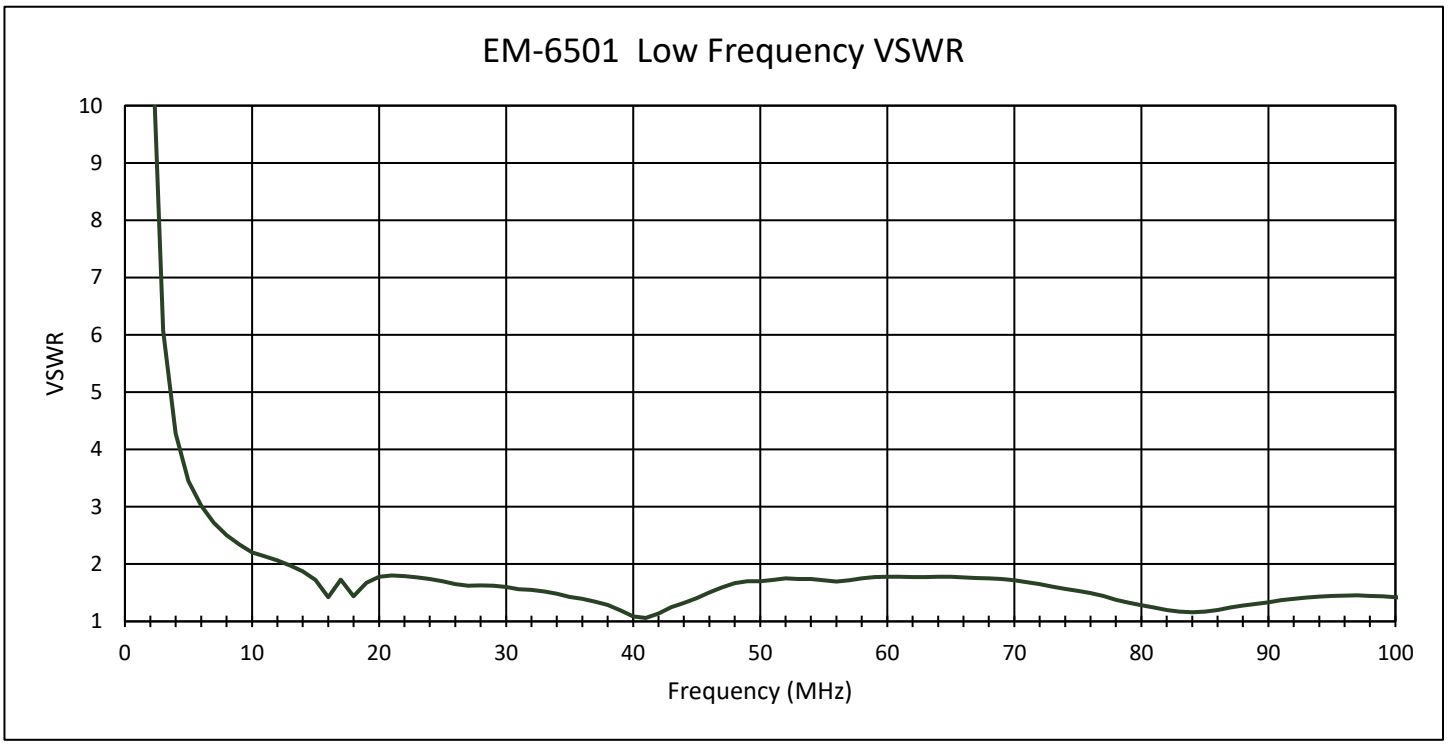
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