EM ANTENNAS

DATASHEET

SBA U.S. Small Business Administration HUBZONE CERTIFIED

EM-6725 | Antenna, Ultra-Wideband, Omni-Directional, Passive



Description

The EM-6725 is a compact, Ultra-Wideband Omni-directional antenna that delivers exceptional performance across its wide frequency range. Designed for ease of deployment, the antenna features a detachable magnetic mount in addition to its integrated 1/4"-20 tripod mount, allowing for flexible positioning in field and laboratory settings.

Use Cases

Spectrum Monitoring, Threat Detection, Array Elements, Manpack Configurations, Signals Intelligence and Electronic Warfare Systems

MIL-STD-810H

The EM-6725 has passed the Hot Temperature, Cold Temperature, Blowing Rain, Blowing Sand, and Shock and Vibration Environmental Tests, in accordance with MIL- STD-810H. It is a high-performance, mission-ready solution designed to meet the demands of modern RF applications in defense, industrial, and research environments. Contact EM Antennas for the detailed report.

Specifications

Electrical

Frequency Range:	150 MHz – 18 GHz
Polarization:	Linear, Vertical
VSWR:	< 2:1 typical above 500 MHz
Radiation Pattern:	Omni-directional
Impedance:	50Ω, Nominal
Average Gain:	2 dBi Nominal Above 500 MHz
Estimated Max Input Power:	50W CW above 500 MHz 100W Peak above 500 MHz
Connector:	Type 'N' (EM-6725 | 150 MHz–18 GHz)

Mechanical

Height (Antenna Only):	7.125 in. (18.1 cm)
Diameter (Antenna Only):	2.88 in. (7.4 cm)
Weight (Antenna Only):	1.2 lbs. (545 g)
Mounting Options Available:	2x ¼-20 Mounting Studs (Included) XF-N274 ¼ -20 Detachable Antenna Mount XF-N438 ¼ -20 Magnetic Mount
Color Options:	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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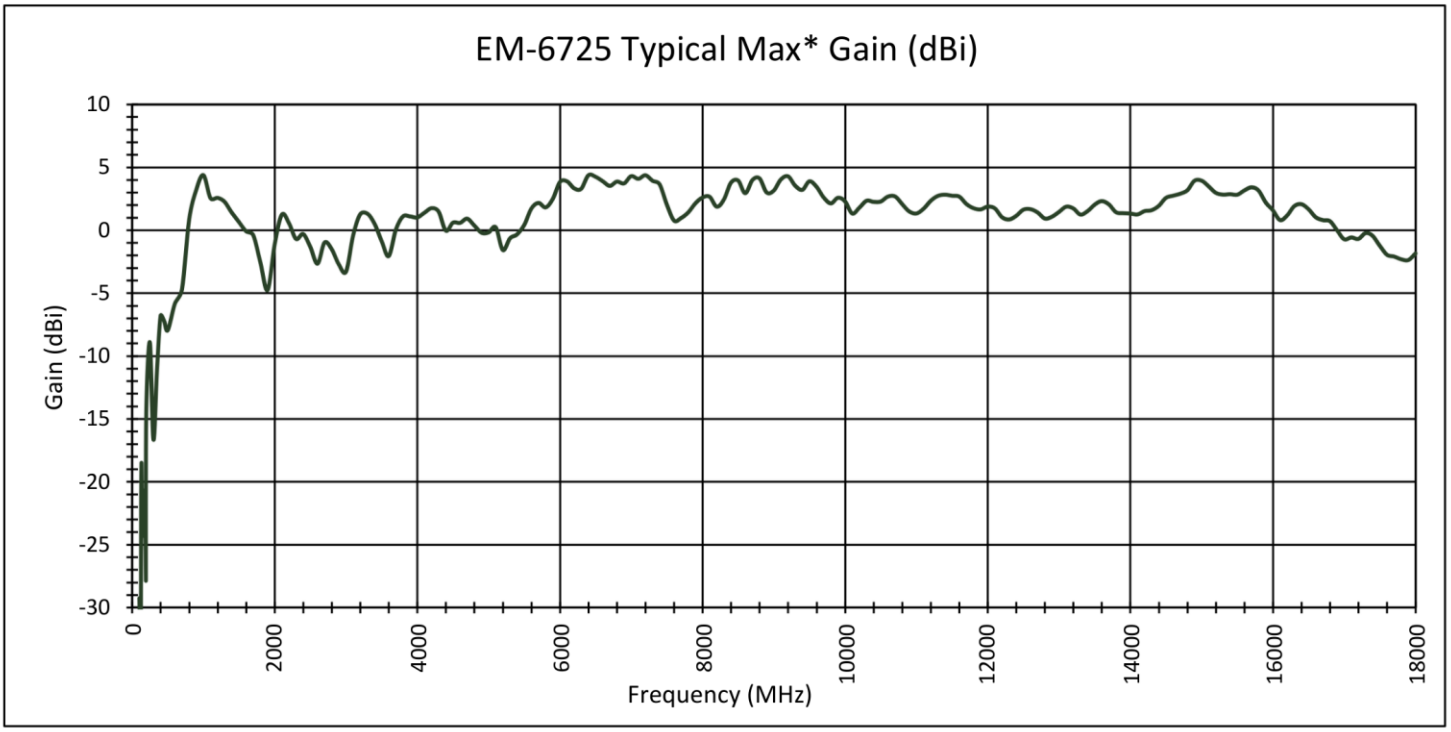
231 Enterprise Rd., Johnstown NY 12095 518.762.2600 www.em-antennas.com

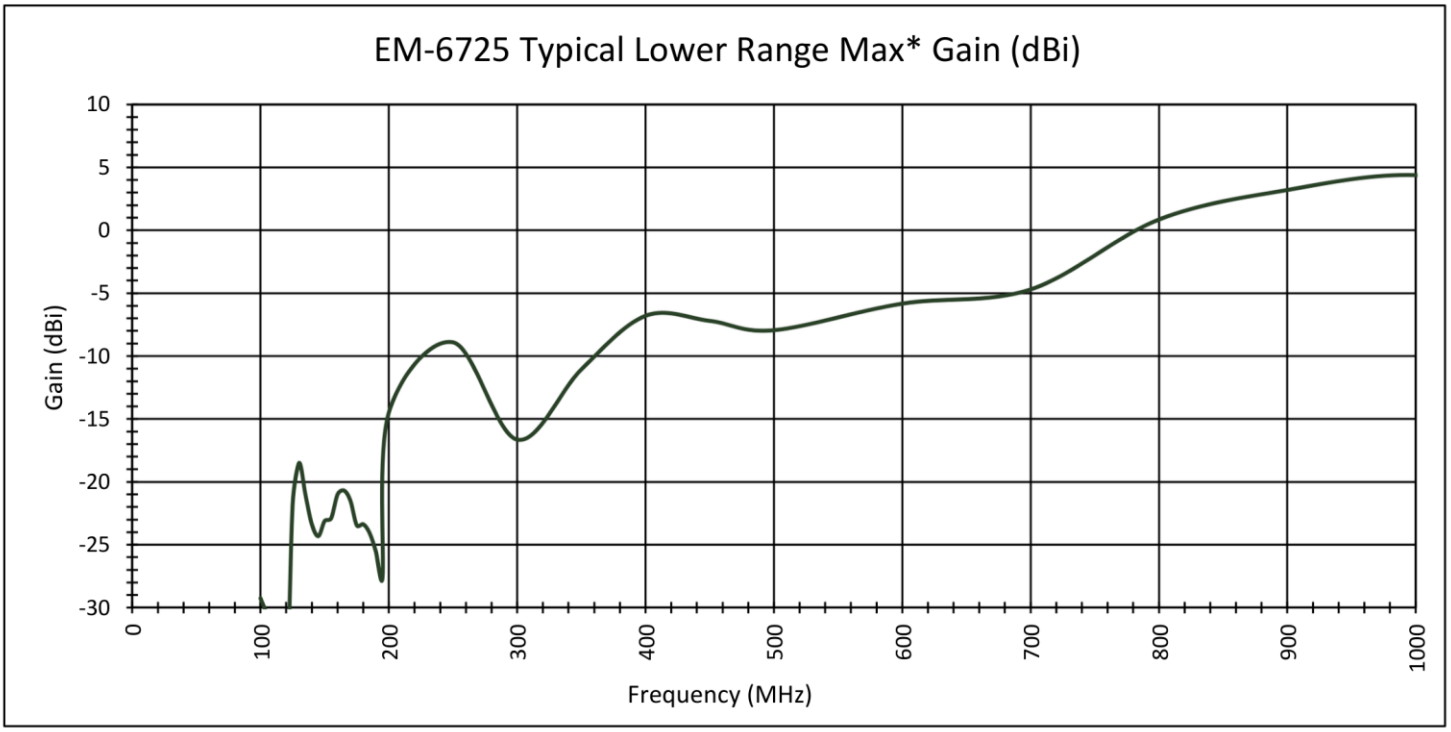
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Max* Gain values determined from scans at all Azimuth. Data shown is typical, not guaranteed.

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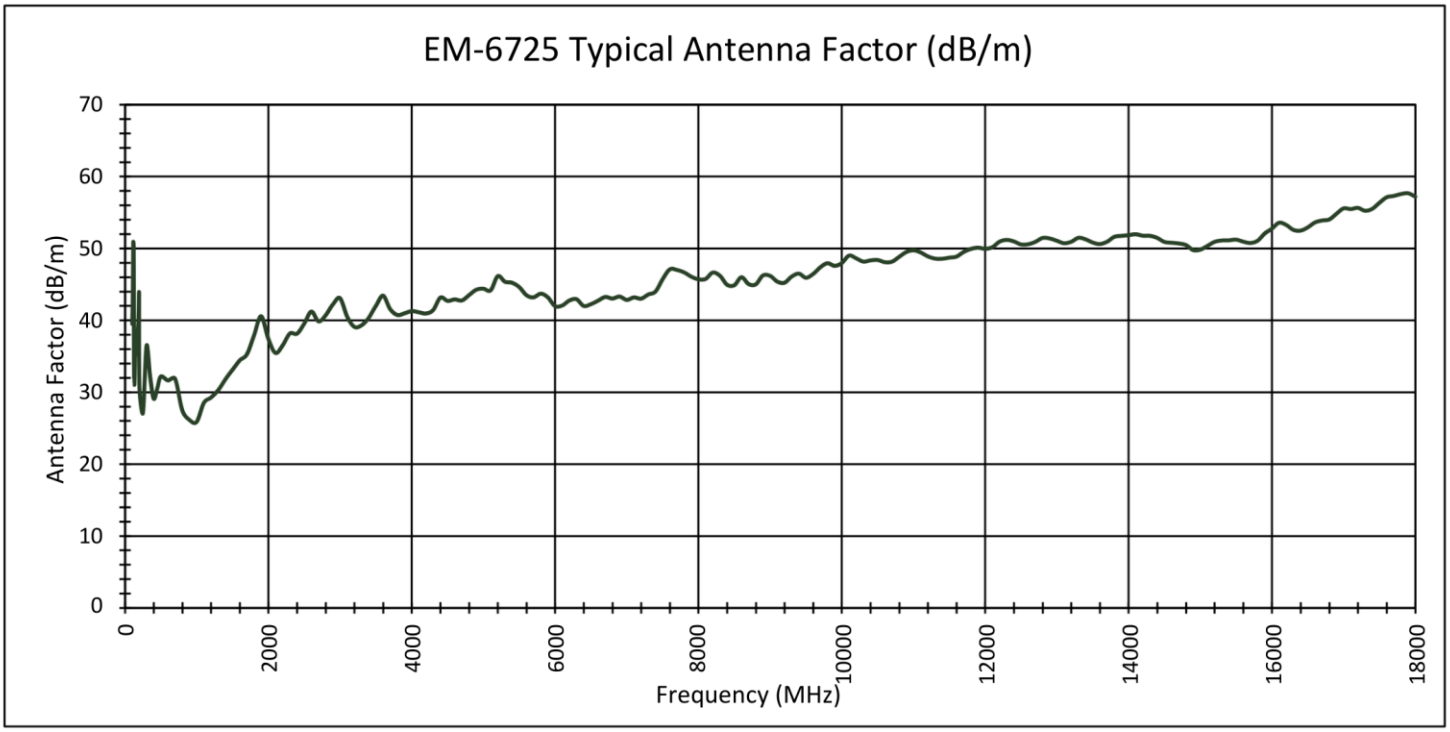
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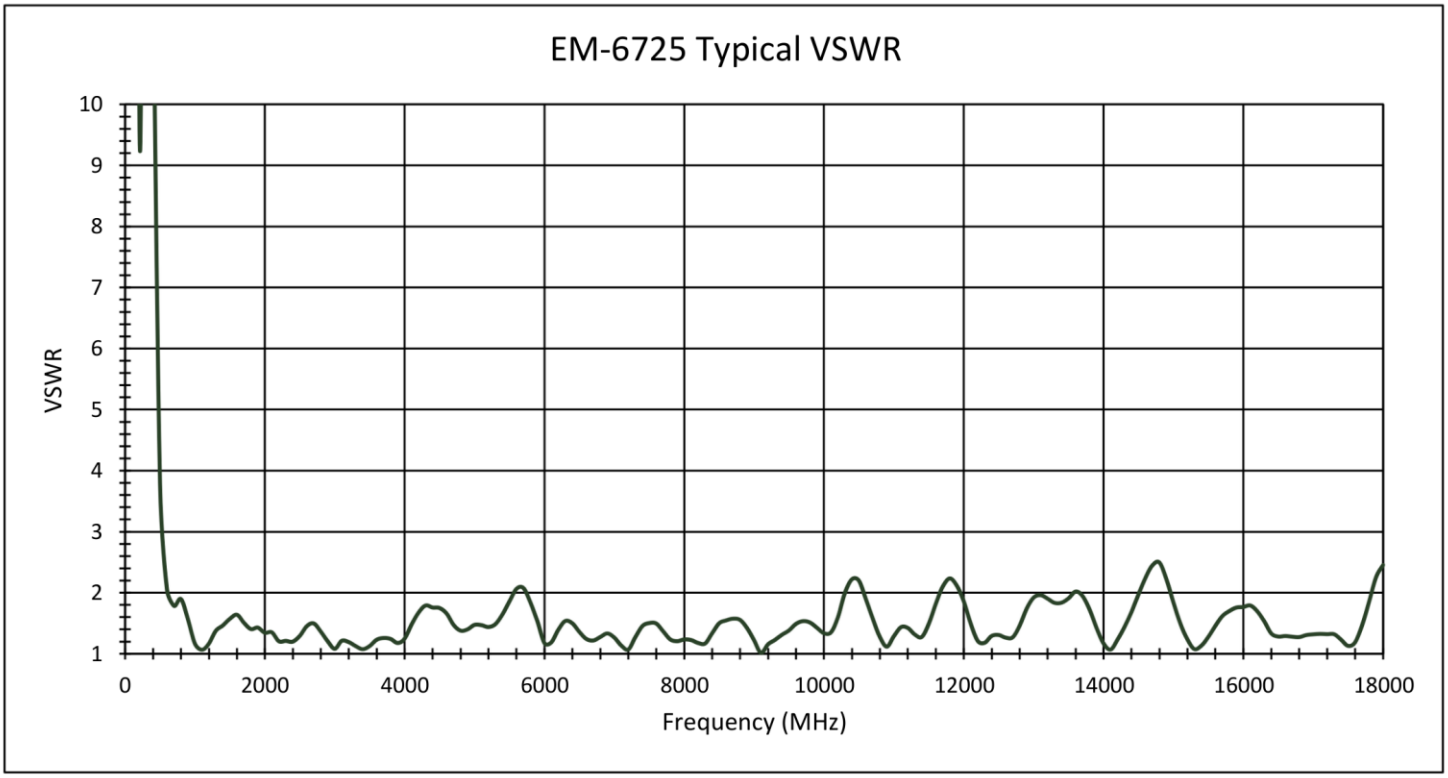
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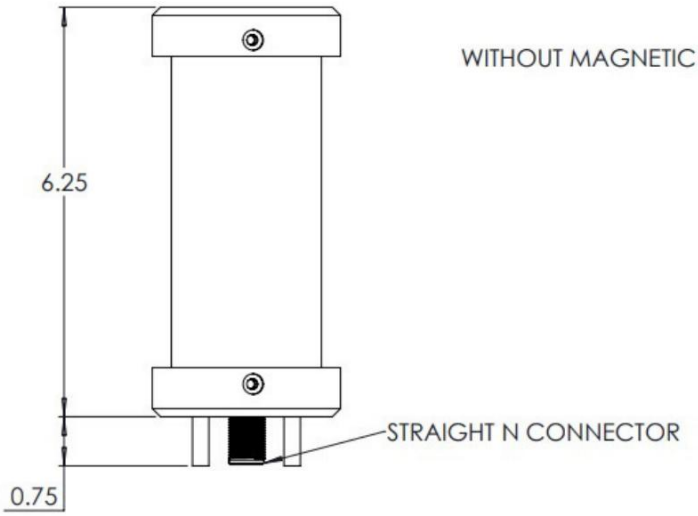
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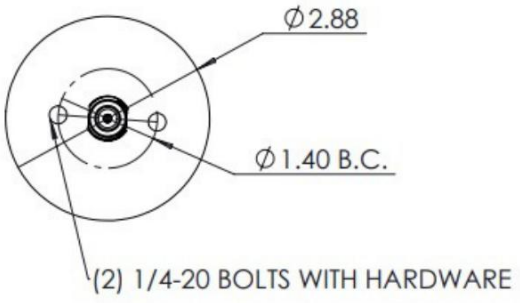
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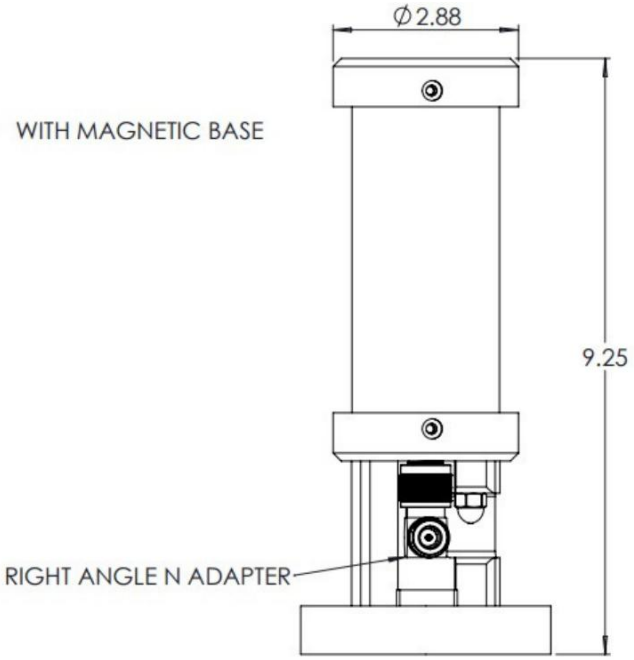
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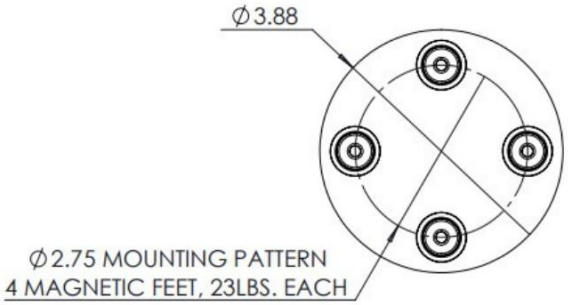
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