

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



### Description

The EM-6725 is a compact, Ultra-Wideband Omnidirectional antenna that delivers exceptional performance across its wide frequency range, including most major US Cellular/ISM/communications bands.

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.

This antenna is a high-performance, mission-ready solution designed to meet the demands of modern RF applications in defense, industrial, and research environments.

### Specifications

#### Electrical

**Frequency Range:** 150Mhz – 18Ghz

**Polarization:** Linear, Vertical

**VSWR:** < 2:1 Typical

3:1 Max

**Radiation Pattern:** Omnidirectional

**Impedance:** 50Ω, Nominal

**Gain:** 2dBi Nominal Above 500MHz

**Connector:** Type 'N' (EM-6725 | 100MHz–18GHz)

#### Mechanical

##### Dimensions:

Height (Antenna Only): 6.2" (15.8 cm)

Diameter: 2.5" (6.4 cm)

Height (Antenna + Detachable Mount): 9.2" (23.4 cm)

Height (Magnetic Base Only): 0.75" (1.9 cm)

Diameter (Magnetic Base Mount): 4" (10.2 cm)

Weight (Antenna Only): 0.59 lbs. (265 g)

Weight (Antenna with Mag Mount): 1.32 lbs. (594 g)

##### Mounting Options Available:

¼ -20 Detachable Antenna Mount (Included)

¼ -20 Magnetic Mount (included)

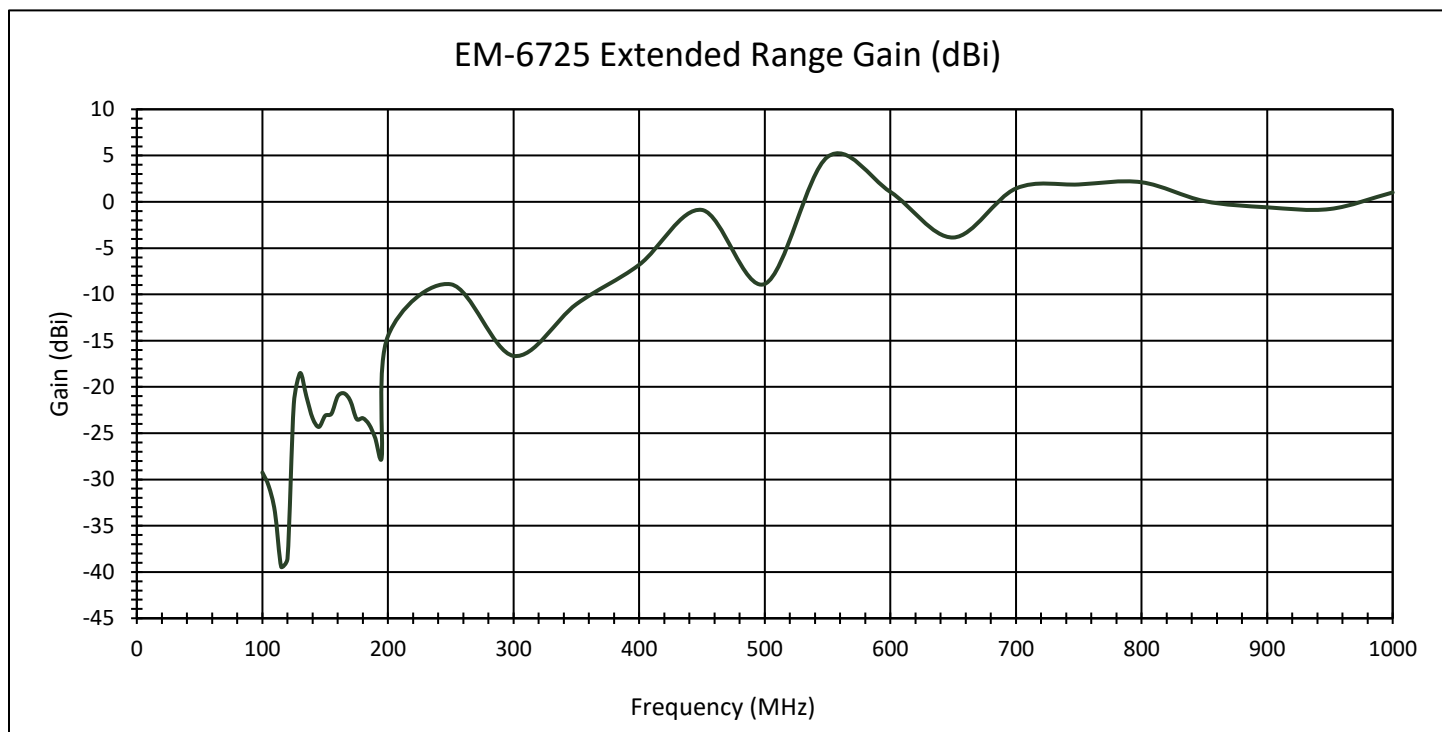
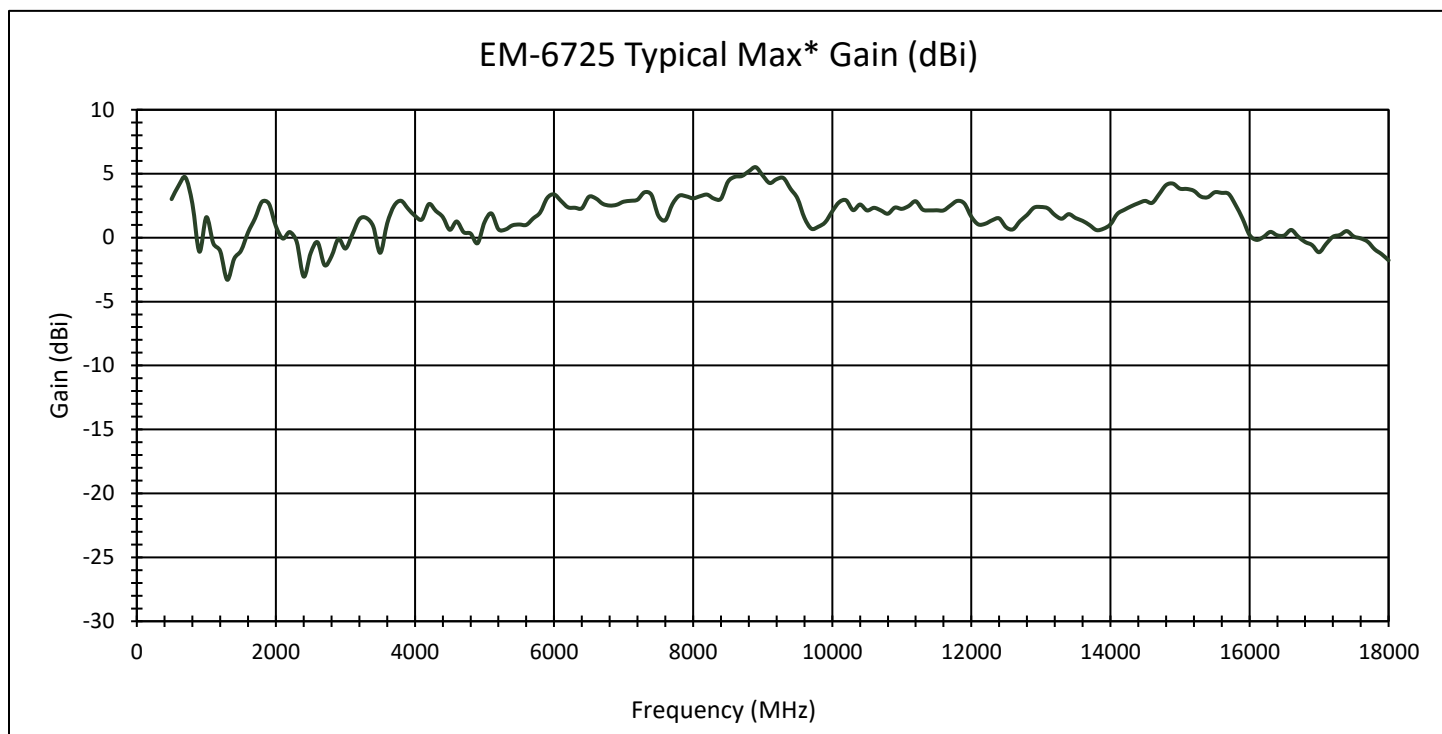
##### Color Options:

- 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.



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

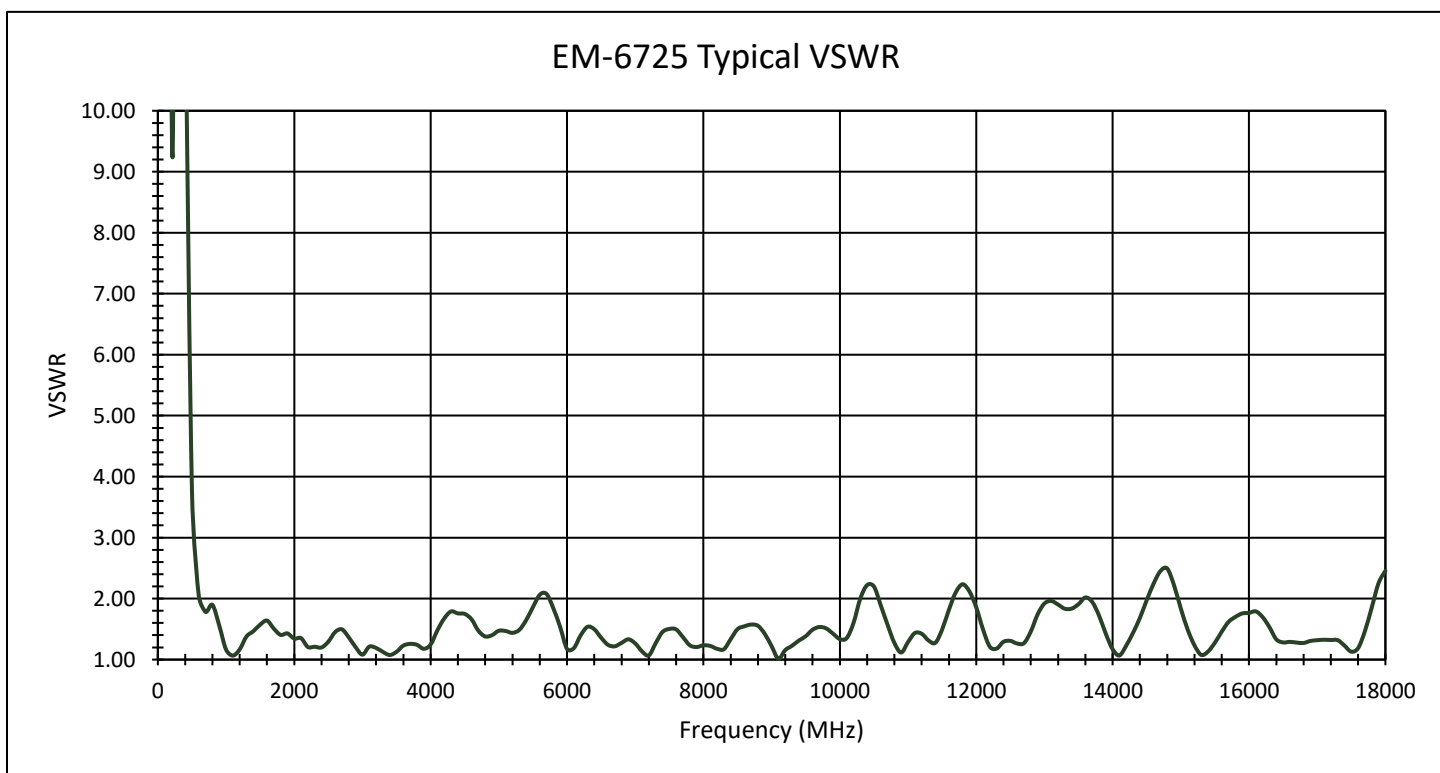
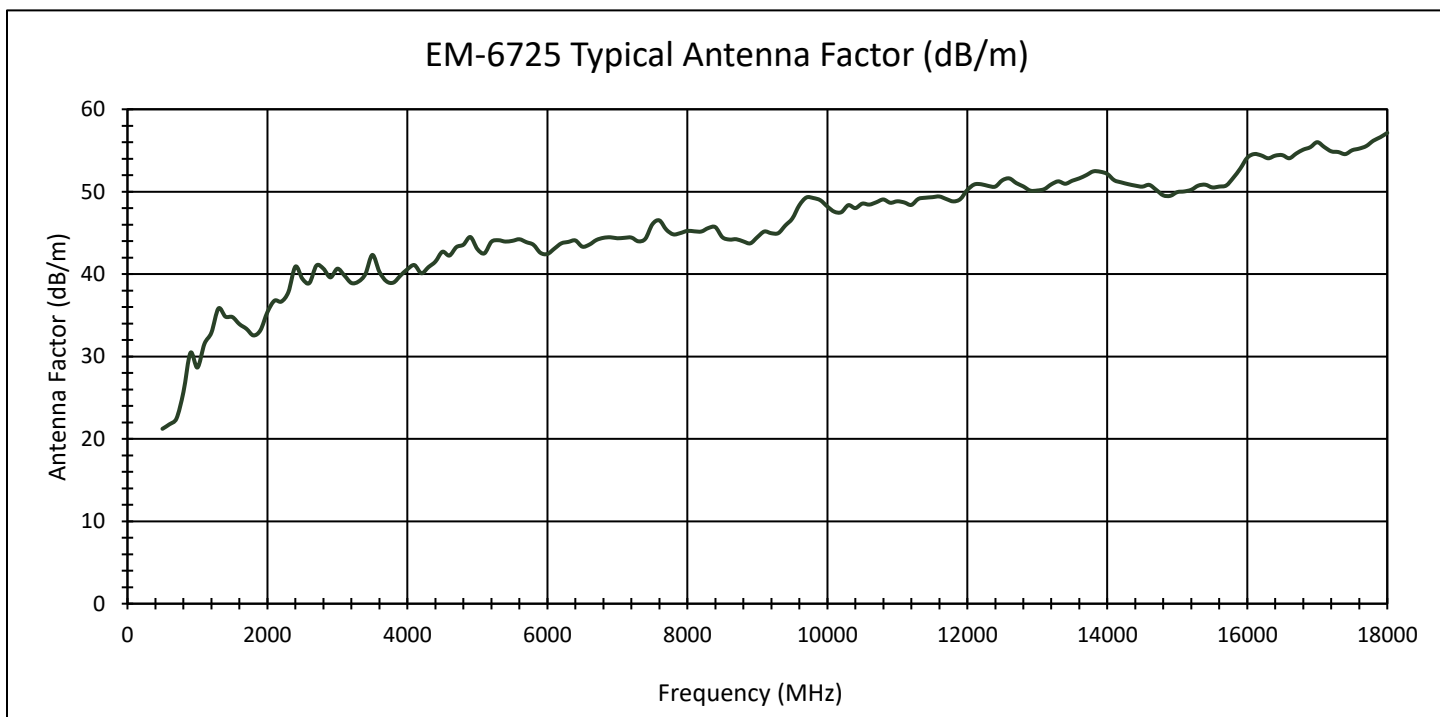


Data shown is typical, not guaranteed.

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



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



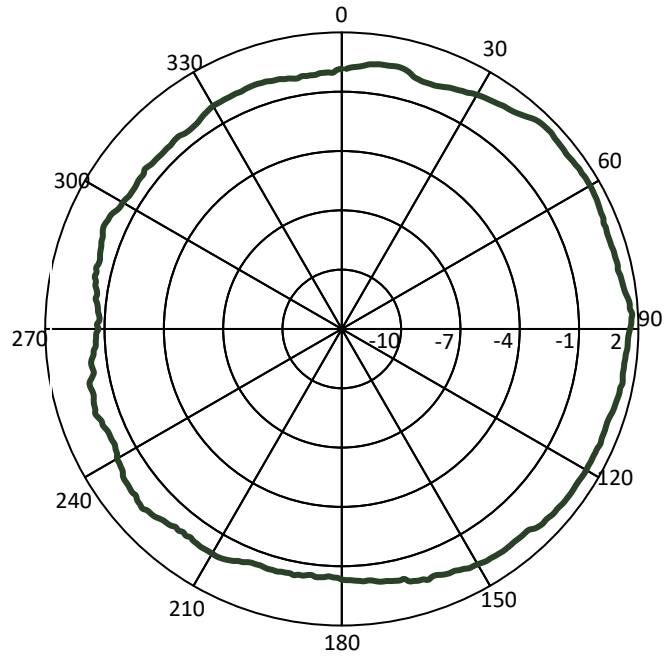
Max\* Gain values determined from scans at all Azimuth.  
Data shown is typical, not guaranteed.

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

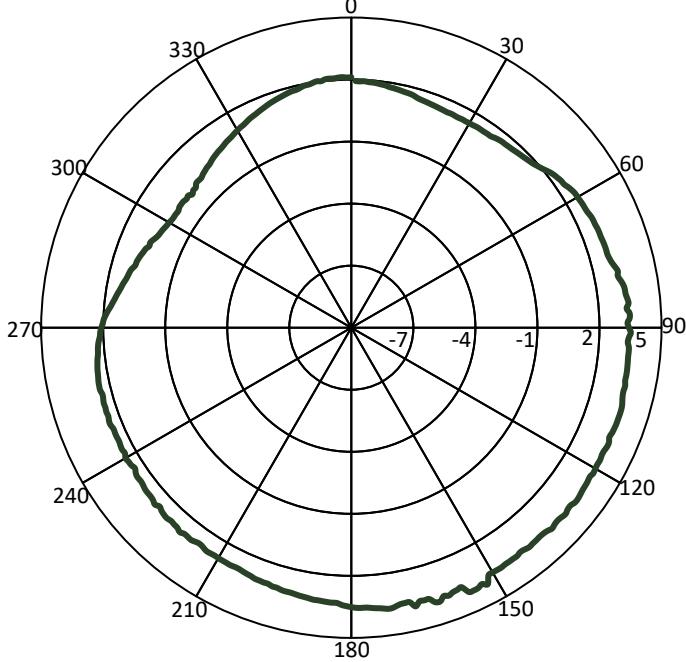


**EM-6725 | Antenna, Ultra-Wideband, Omni-Directional, Passive**

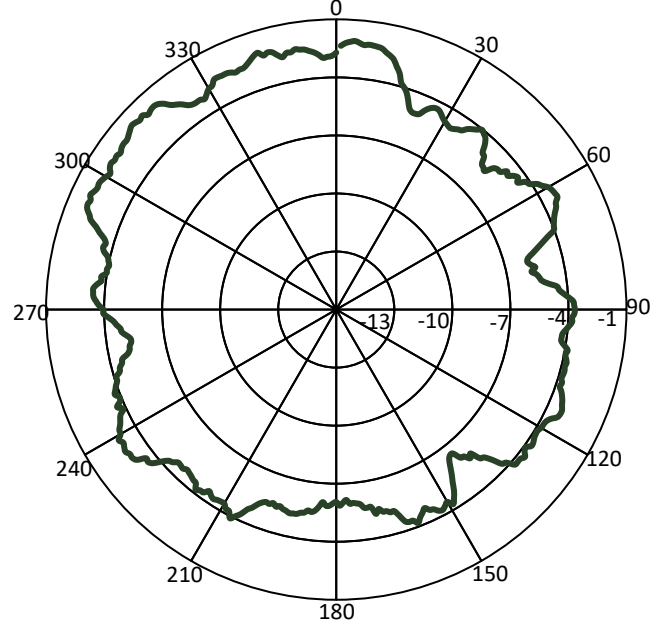
4000MHz Azimuth



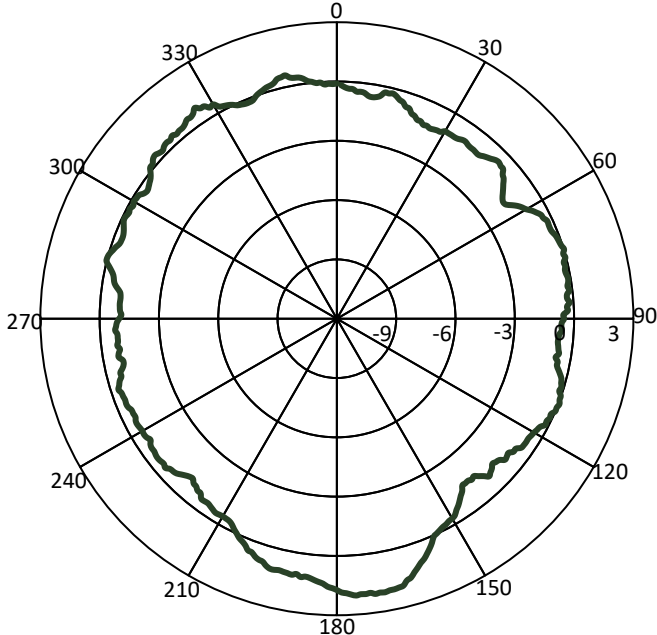
600MHz Azimuth



18000MHz Azimuth



10000MHz Azimuth



Data shown is typical, not guaranteed.

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

