

## EM-6481 | Antenna, Directional SISO, Vertically Polarized



### Description

The EM-6481 is a compact, directional 1x1 SISO antenna covering 4.4–5.2 GHz, designed for reliable, high-performance wireless connectivity. Supporting MANET radios, Wi-Fi, and cellular frequency bands, it delivers improved throughput, extended range, and enhanced link quality across tactical and commercial applications.



### Specifications

#### Electrical

**Frequency Range:** 4.4GHz – 5.2GHz

**Polarization:** Vertical

**VSWR:** 2:1 Max, <1.5:1 Average

**3dB Beamwidth:** Azimuth 60° Typical

Elevation 60° Typical

**Impedance:** 50Ω, Nominal

**Gain:** 9dBi Typical

**Max Power:** 10W CW

**Connector:** TNC Female (**EM-6481** | 4.4-5.2GHz)

Type 'N' Female (**EM-6481-1** | 4.4-5.2GHz)

SMA Female (**EM-6481-2** | 4.4-5.2GHz)

#### Mechanical

##### Dimensions:

Height: 6.25 in. (15.9 cm)

Width: 8.0 in. (20.3 cm)

Depth: 2.5 in. (6.4 cm)

Weight: 1.2 lbs. (0.55 kg)

##### Mounting Options Available:

-8/32 Flange for Wall Mount

##### Color Options:

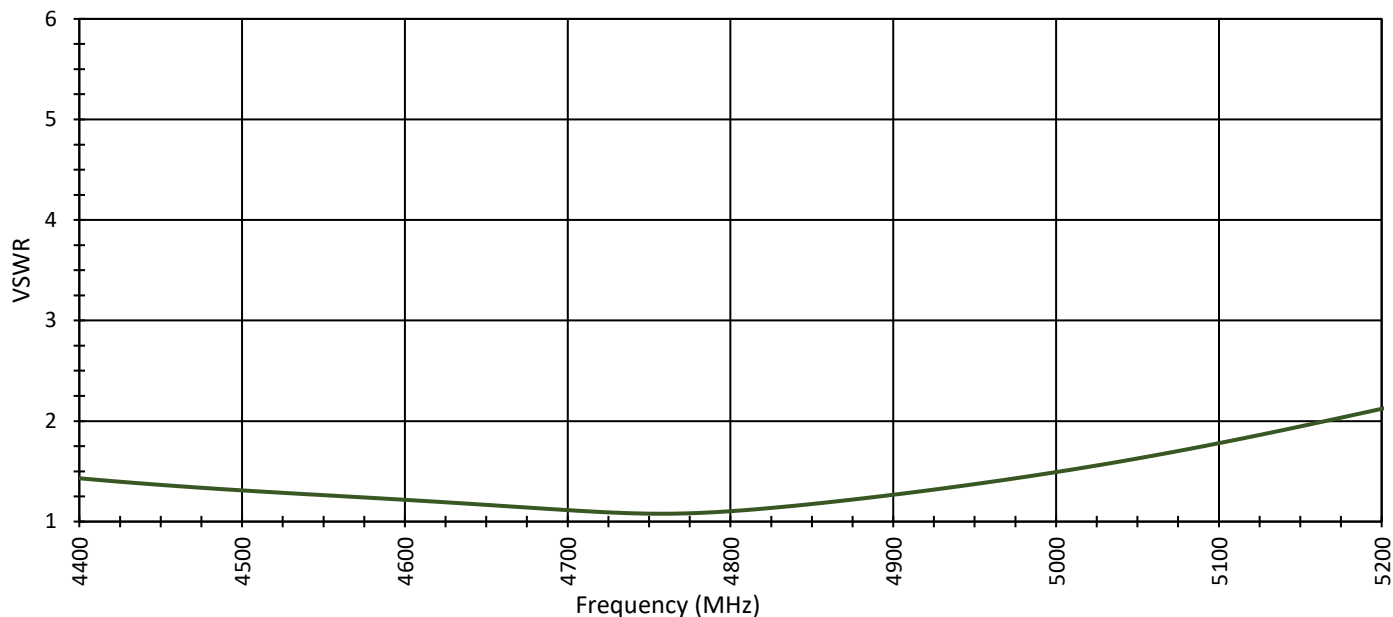
- Light Gray (default)
- Custom colors available upon request

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

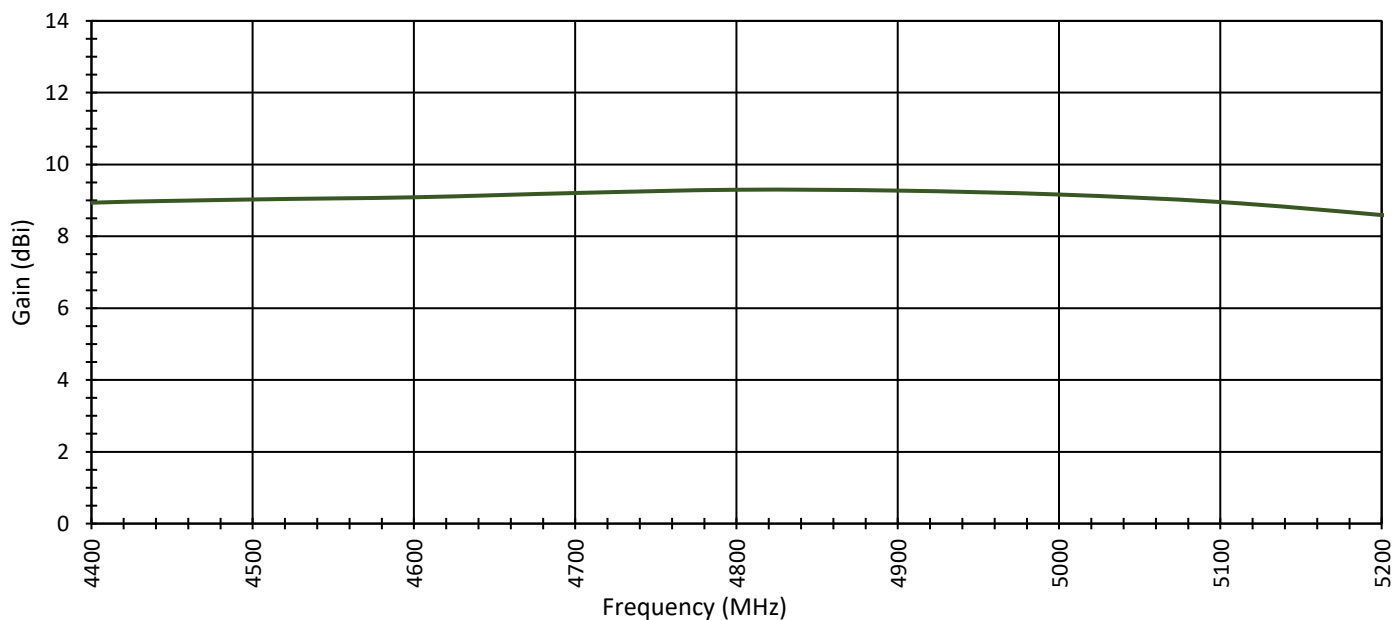


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EM-6481 Typical VSWR



EM-6481 Max\* Gain



\*Maximum Gain determined from scans at all radiation angles and elevations. Data shown is typical, not guaranteed.

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