

EM-6482 | Antenna, Directional 2x2 MIMO Slant Left/Right



Description

The EM-6482 is a compact, directional 2x2 MIMO 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: +/- 45° Slant Left/Right

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

3dB Beamwidth: Azimuth 60° Typical

Elevation 60° Typical

Impedance: 50Ω, Nominal

Gain: 9dBi Typical

Isolation: -25dB Typical

Max Power: 10W CW

Connector: TNC Female (EM-6482 | 4.4-5.2GHz)

Type 'N' Female (EM-6482 -1 | 4.4-5.2GHz)

SMA Female (EM-6482-2 | 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: 1.3 lbs. (0.6 kg)

Mounting Options Available:

-8/32 Flange for Wall Mount

Color Options:

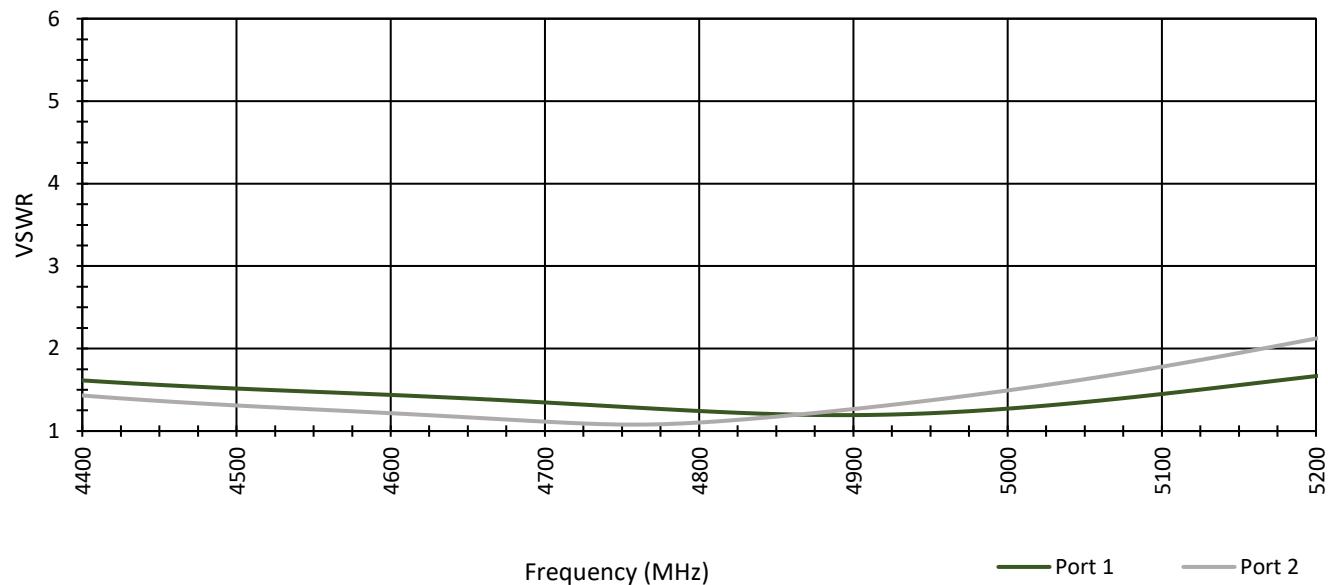
- Light Gray (default)
- Custom colors available upon request

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

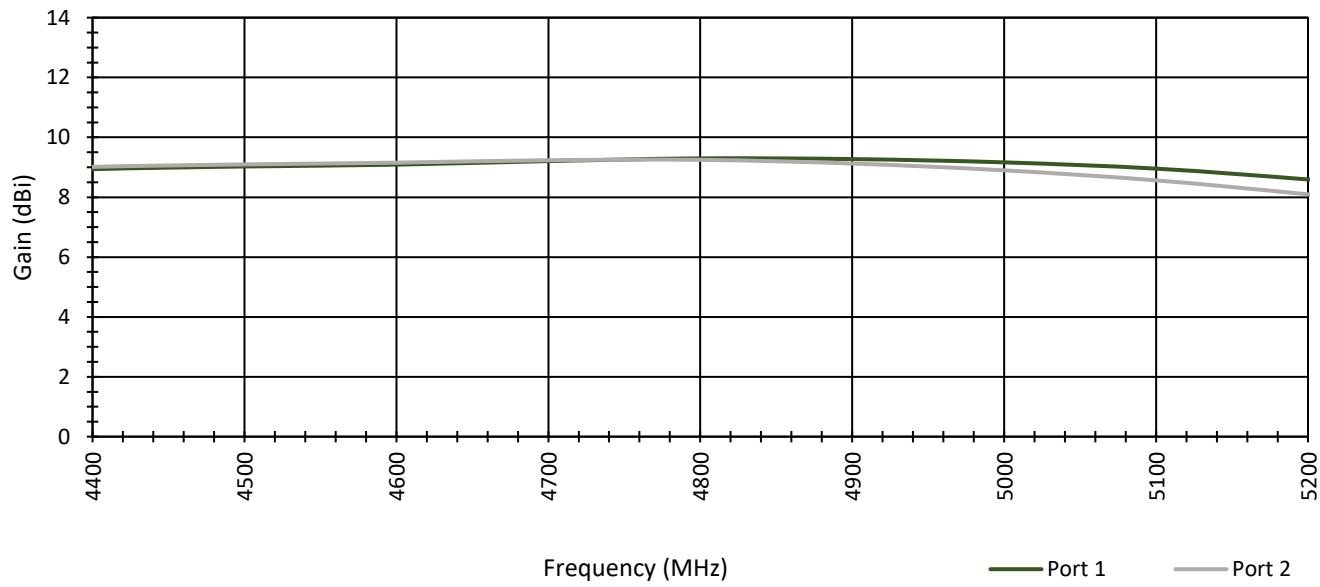


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EM-6842 Typical VSWR



EM-6842 Max* Gain



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

