

EM-6841 | Antenna, Rugged, Ultra-Wideband, Passive, Omni-Directional



Description

The Electro-Metrics EM-6841 is a Rugged Ultra-Wideband Passive Antenna with Omni-Directional radiation patterns covering the frequency range of 20MHz-43.5GHz.

The EM-6841 is environmentally hardened and is currently undergoing MIL-STD-810H environmental testing for: Hot Temperature, Cold Temperature, Blowing Rain, Blowing Sand, and Shock, and Vibration.



Specifications

Electrical

Frequency Range: 20 MHz – 43.5 GHz

VSWR: Average 2.3:1 above 400 MHz

3dB Beamwidth: 360° Azimuth (Omni-Directional)

45° Average Elevation (70° - 30° Typical)

Impedance: 50Ω, Nominal

Gain: 150MHz-40GHz Nominal > 0dBi

@100MHz Nominal -16dBi

@20MHz Nominal -44dBi

Connector: Type 'K' (EM-6841 | 20MHz-40GHz)

SMA (EM-6841-2 | 20MHz-26GHz)

Type 'N' (EM-6841-1 | 20MHz-18GHz)

Mechanical

Dimensions:

Overall Length: 36.8 cm (14.5")

Diameter: 13.34 cm (5.25")

Weight: 1.37 kg (3.02 lbs.)

Mounting Options Available:

(4) 3/8 – 16 TPI Bolts (included)

XF-N200 1/4 – 20 Tripod Mount (included)

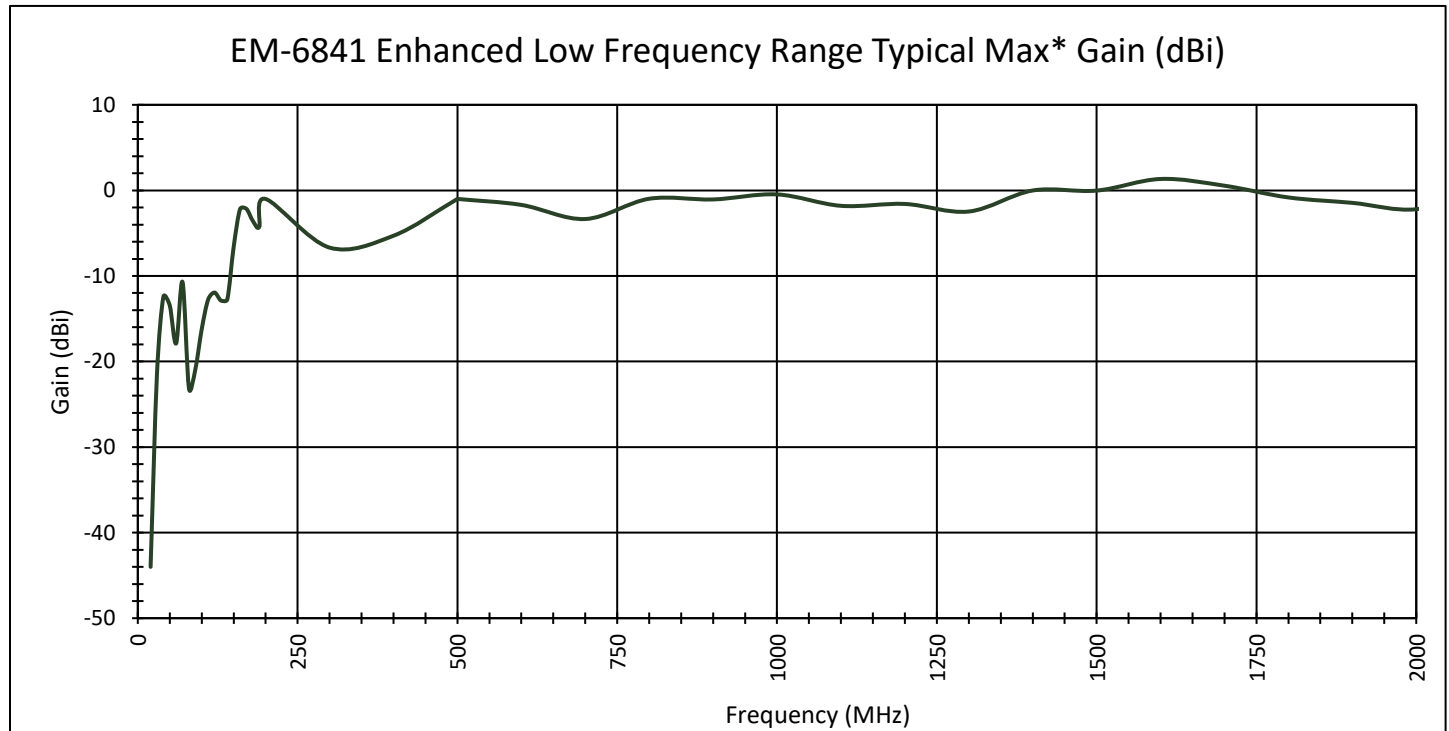
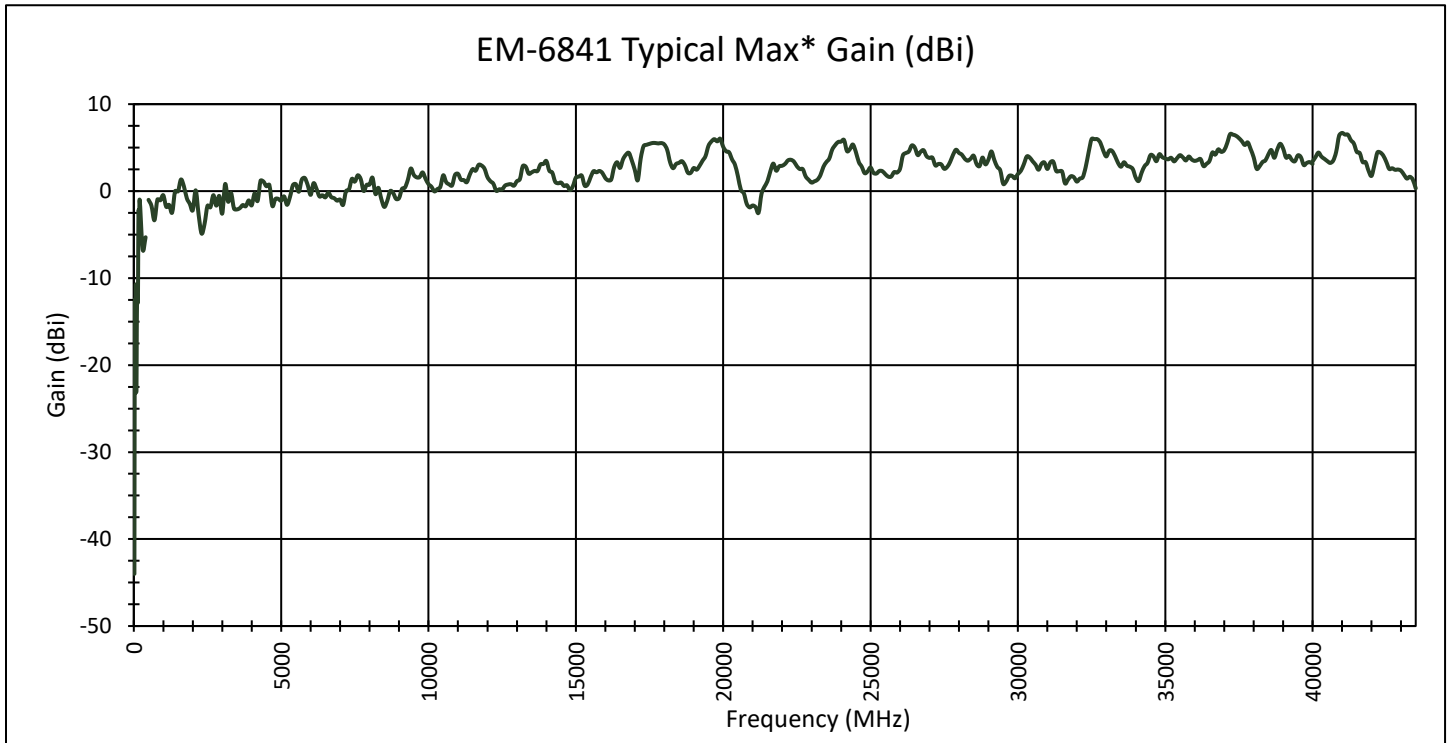
Color Options:

- 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.



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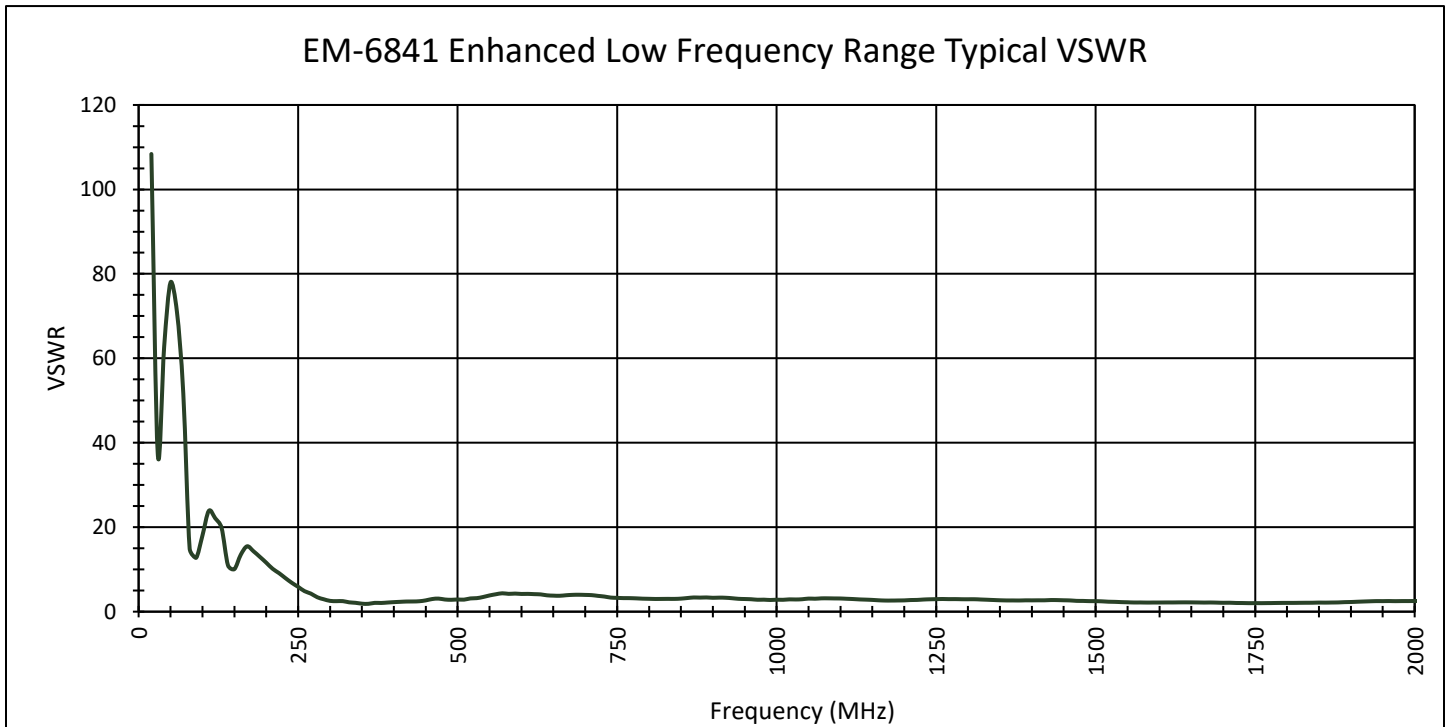
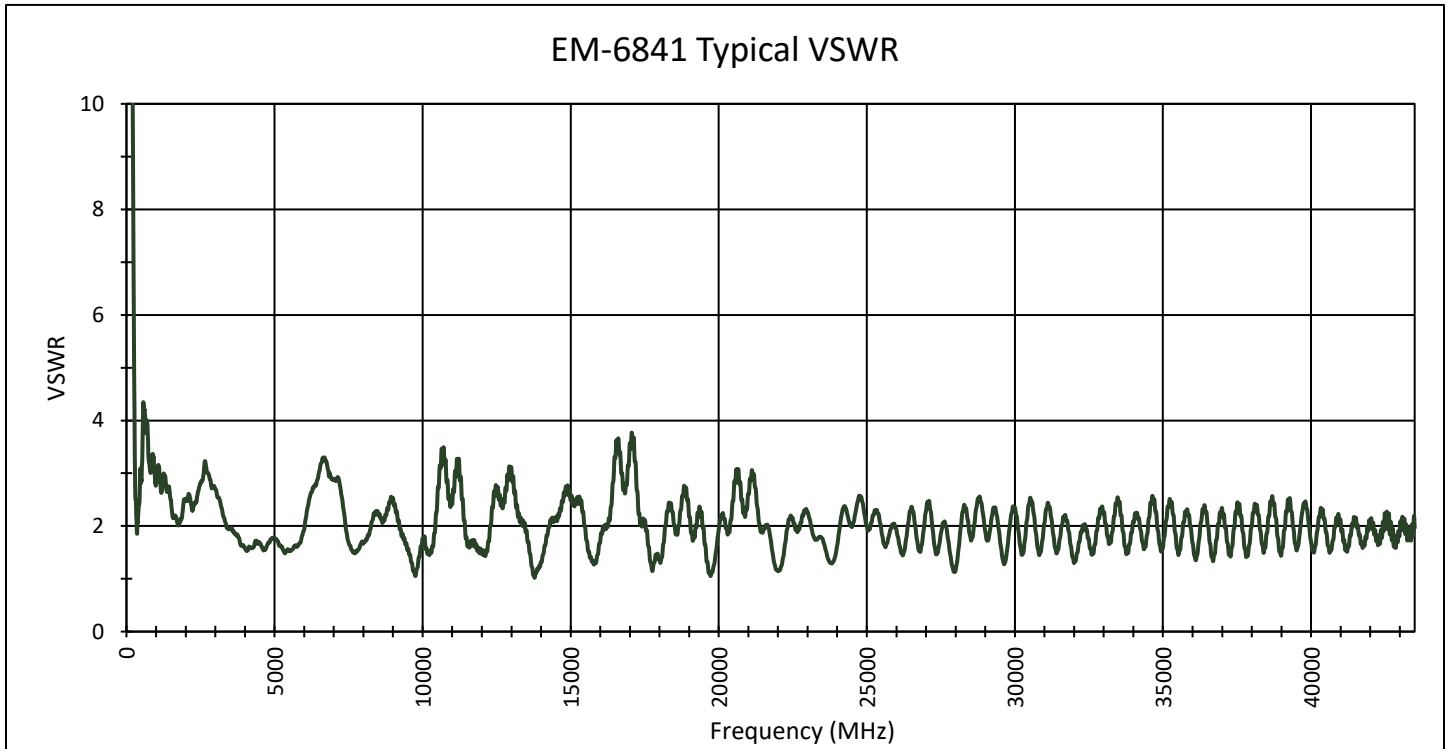


*Maximum Gain determined from scans at all radiation angles and elevations. Data shown is typical, not guaranteed.

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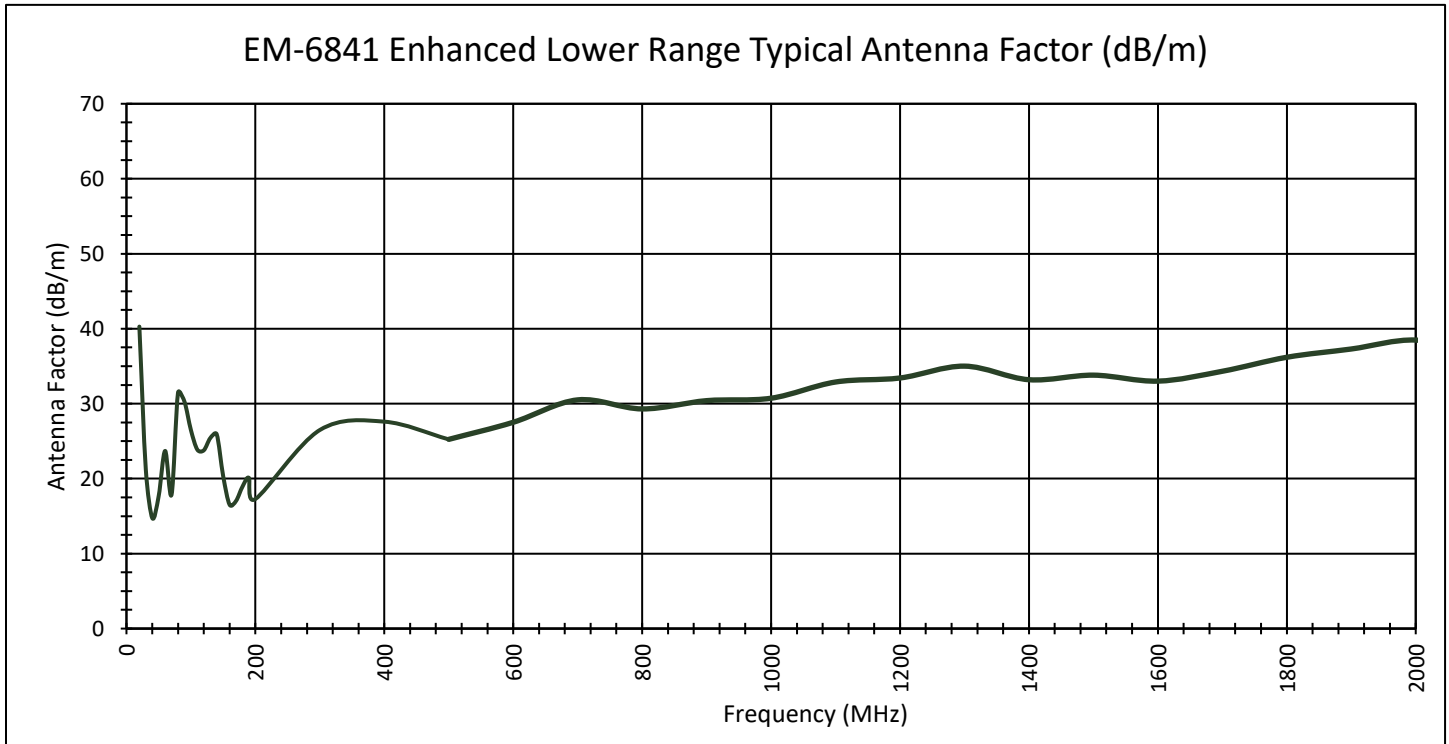
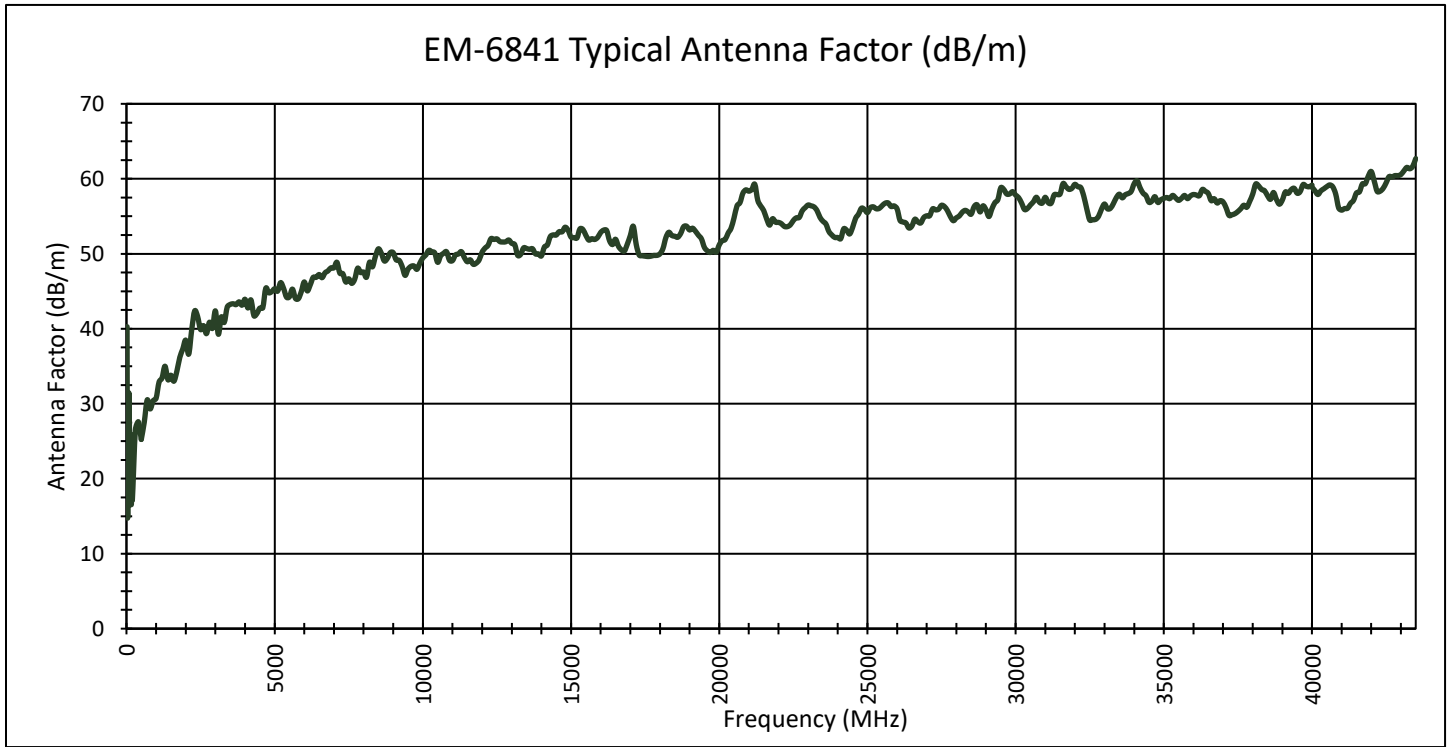


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