

EM-6843 | Antenna, Rugged, Ultra-Wideband, Passive, Omni-Directional



Description

The Electro-Metrics EM-6843 is a S.W.A.P. (Size, Weight, and Power) focused Rugged Ultra-Wideband Passive Antenna covering the frequency range of 300MHz-43.5GHz. The EM-6843 offers stable performance with Omni-Directional radiation patterns across its entire frequency range.

The EM-6843 features an environmentally hardened radome offering resistance to rain, sand, impacts, shocks and vibrations.

Specifications

Electrical

Frequency Range: 300 MHz – 43.5 GHz

VSWR: Average 2:1 above 600 MHz

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

40° Average (80° – 20° Typical) Elevation

Impedance: 50Ω, Nominal

Gain: 0-3dBi Typical 800MHz-43.5GHz

-7dBi @600MHz Nominal

-20 dBi @300MHz Nominal

Connector: Type 'K' (**EM-6843** | 300MHz-43.5GHz)

SMA (**EM-6843-3** | 300MHz-26GHz)

Type 'N' (**EM-6843-1** | 300MHz-18GHz)

Mechanical

Dimensions:

Height: 7.0 in. (177.8 mm) Without Studs

8.25 in. (209.6 mm) With Studs

Diameter: 5.3 in. (134.6 mm)

Weight: 2.4 lbs. (1.0 kg)

Mounting Options:

Universal NATO 4-Hole Mount (included)

(4x 3/8 – 16 TPI Bolts)

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

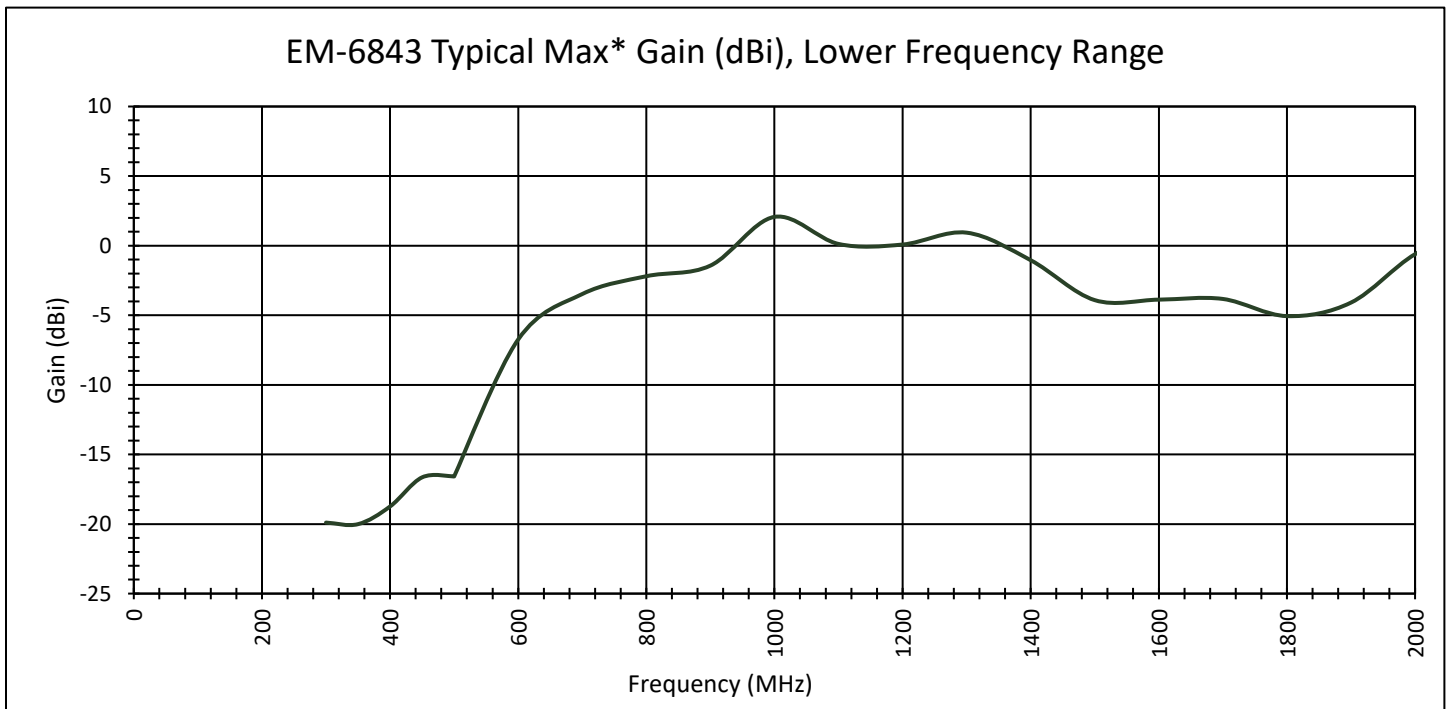
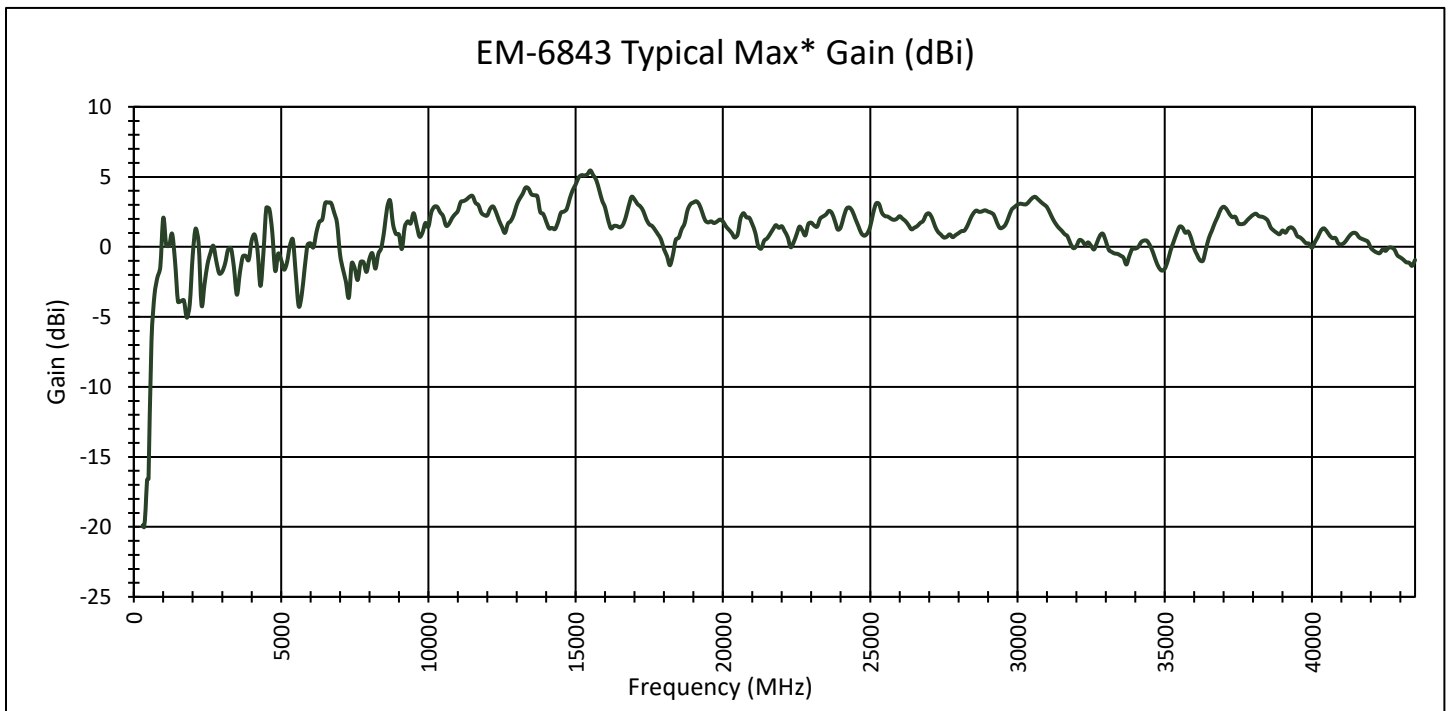
Color Options:

- Black (default)
- Custom colors available upon request

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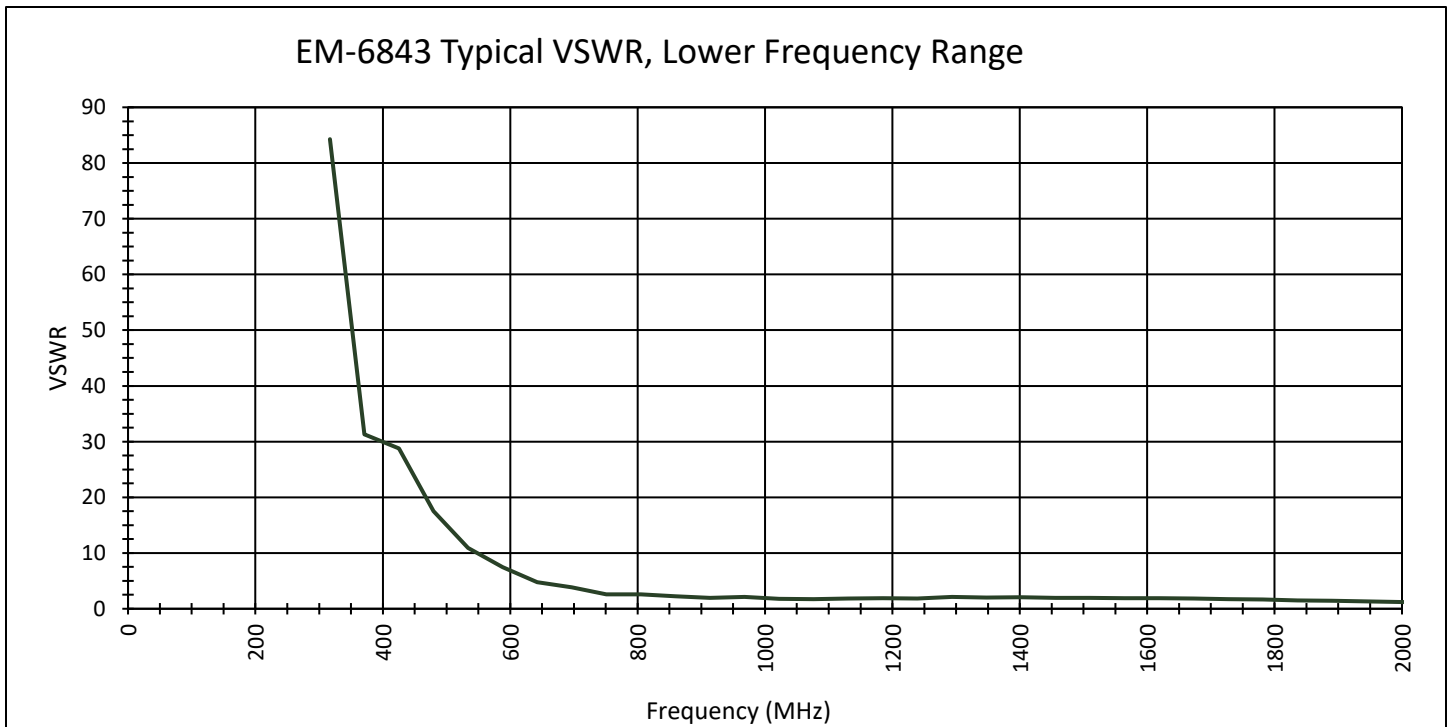
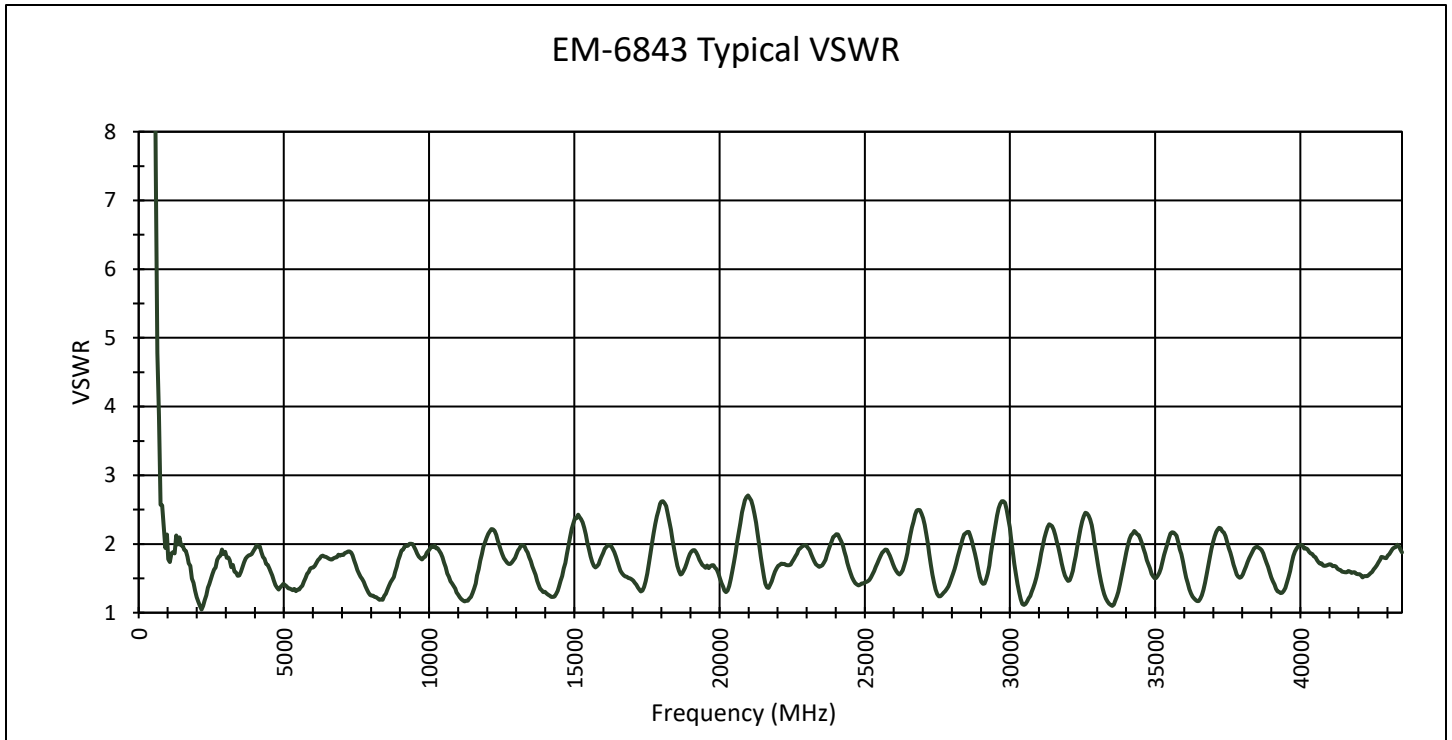


*Maximum Gain determined from scans of Azimuth axis at 0 deg Elevation. Data shown is typical, not guaranteed.

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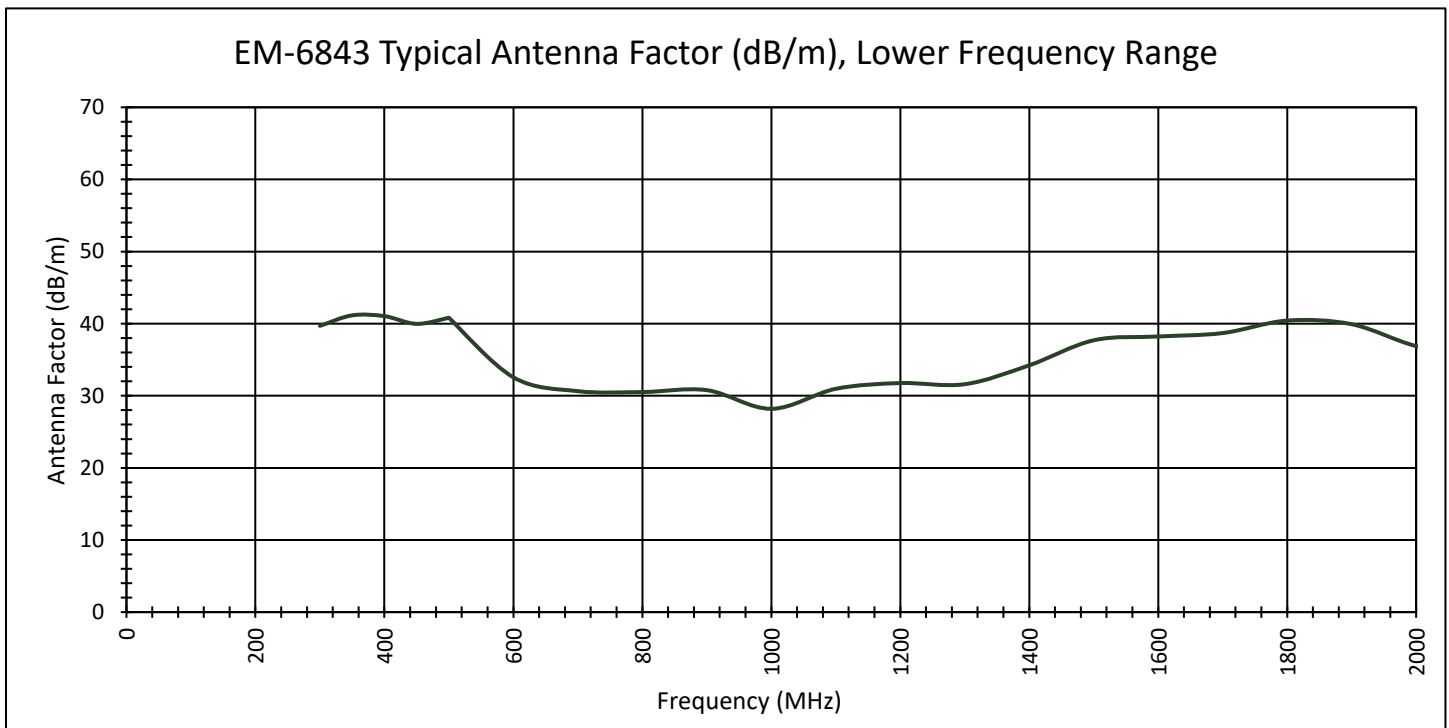
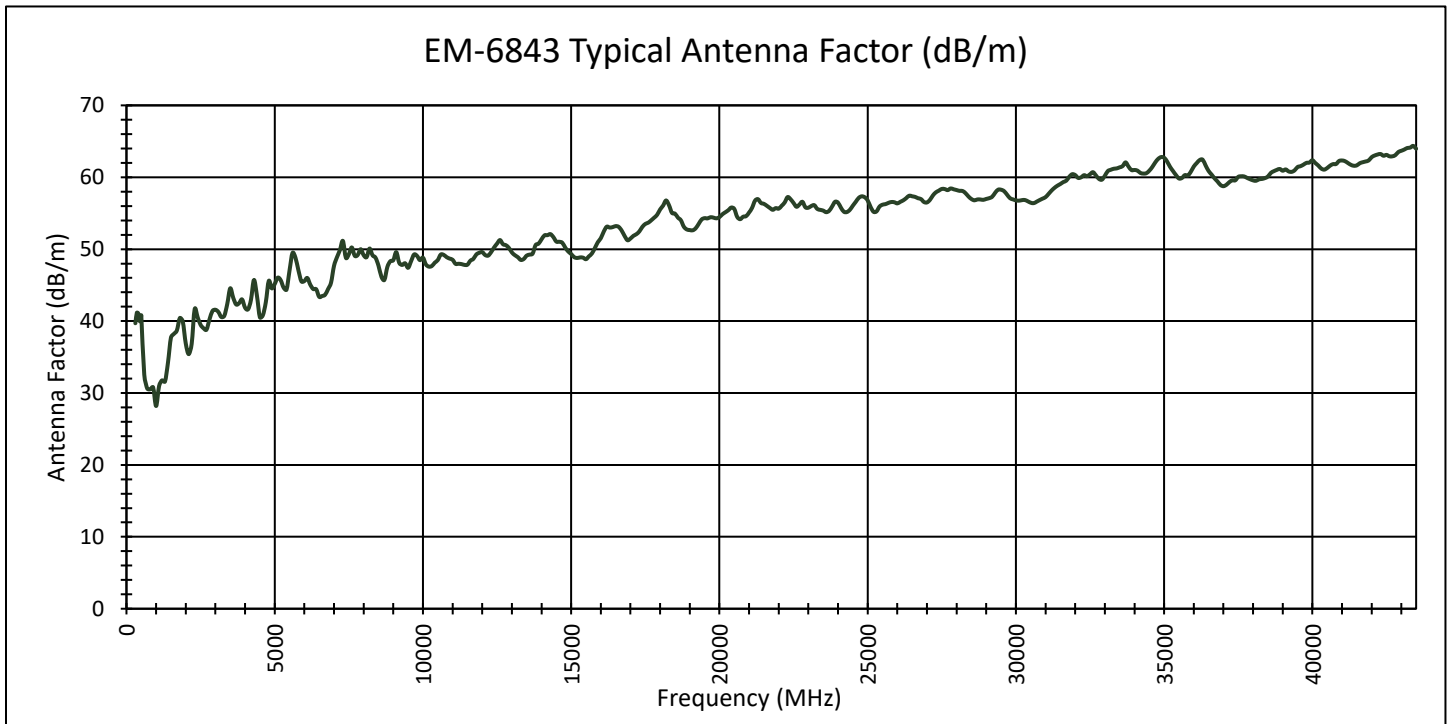


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