

EM-6853 | Antenna, Ultra-Wideband, Passive, Omni-Directional



Description

The Electro-Metrics EM-6853 Ultra-Wideband Passive Omni-Directional Antenna has a broad frequency coverage from below 300 MHz to 43.5GHz.

The EM-6853 features stable performance with Omni-Directional radiation patterns across its entire frequency range. The EM-6853 comes standard as a ceiling-mountable package made from a rugged Kydex. The EM-6853 is also available in a cylindrical package and with environmental hardening.

Specifications

Electrical

Frequency Range: 300 MHz – 43.5 GHz

VSWR: Average 2:1 above 600 MHz

Beam width: 360° Azimuth (Omni-Directional)

70° Average Elevation

Impedance: 50Ω, Nominal

Gain: 600MHz-40GHz Nominal > 0dBi

@500MHz Nominal -7.5dBi

@300MHz Nominal -18dBi

Connector: Type 'K' (**EM-6853** | 300MHz-40GHz)

SMA (**EM-6853-3** | 300MHz-26GHz)

Type 'N' (**EM-6853-1** | 300MHz-18GHz)

Mechanical

Dimensions:

Height: 12.7 cm (5")

Diameter: 20.3 cm (8")

Weight: 1.34 kg (2.95 lbs.)

Options Available:

EM-6853-2 Standard Cannister Radome
(compatible with EM-1607 Tripod Mount)

EM-6853A Environmental Hardening

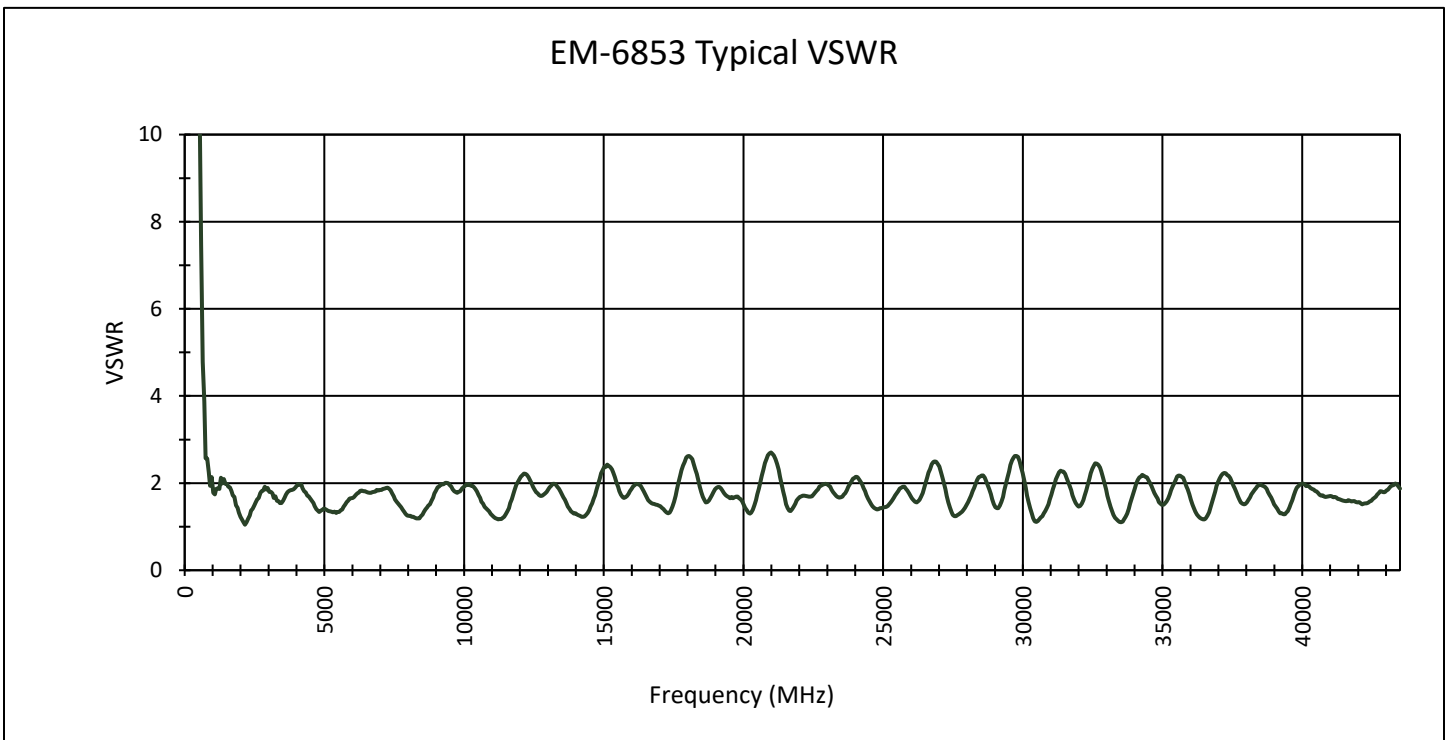
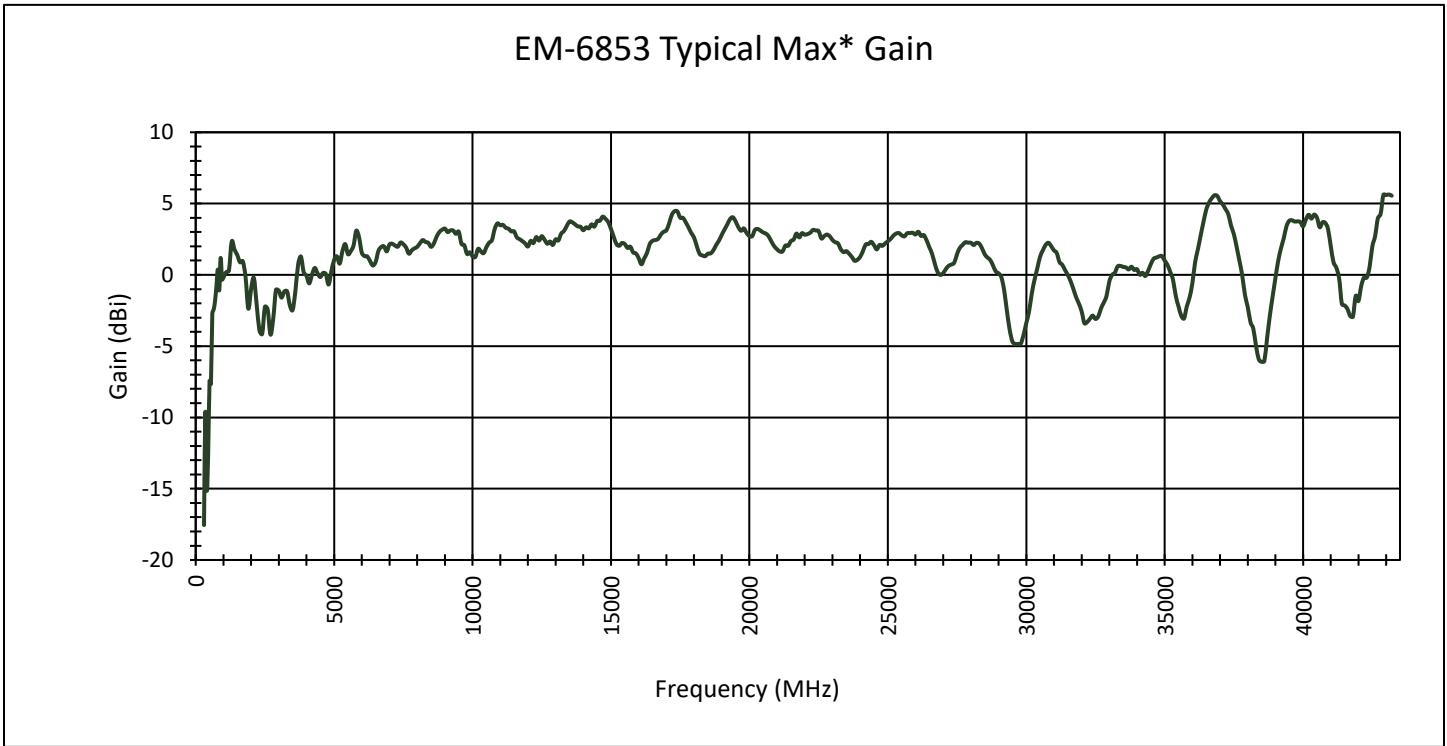
Color Options:

- White (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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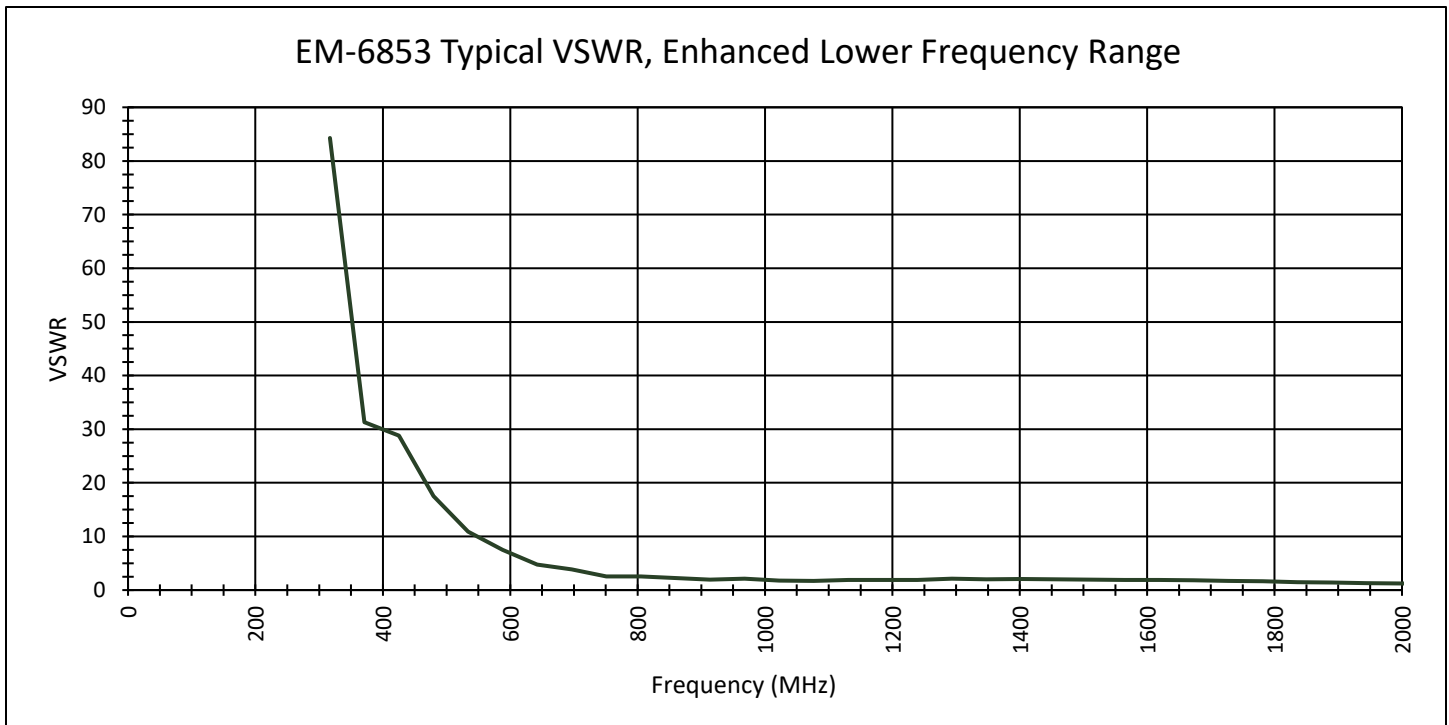
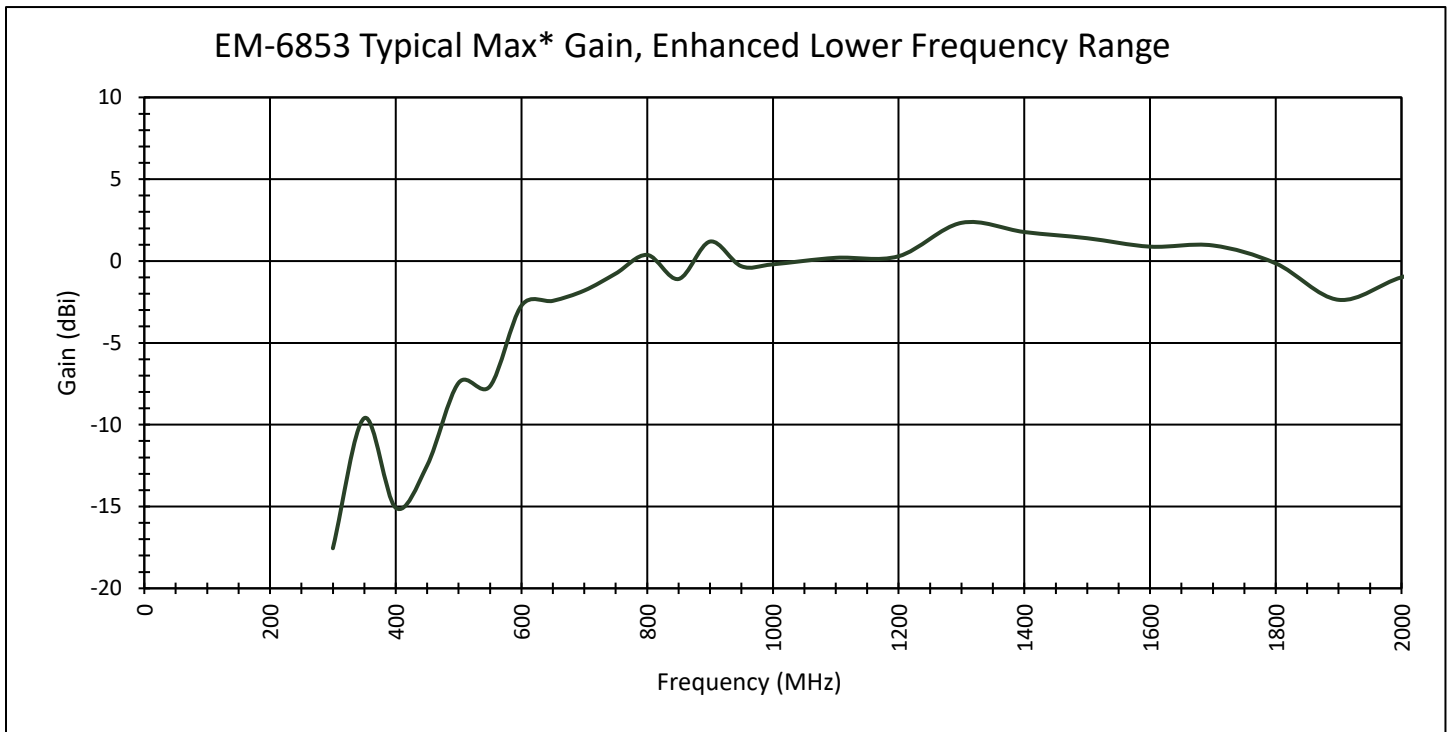


*Maximum Gain determined from scans at all radiation angles and elevations. Data shown is typical, not guaranteed.

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