

EM-6854 | Antenna, Rugged, Ultra-Wideband, Passive, Omni-Directional



Description

The Electro-Metrics EM-6854 is an Ultra-Wideband Passive Antenna with Omni-Directional radiation patterns covering the entire frequency range of 20MHz-40GHz.

Built with durability and performance in mind, the EM-6854 features a gain of > -2dBi across 95% of its operational frequency range while still passing a battery of MIL-STD-810H tests. This antenna is an excellent choice for SIGINT, IPMS, and related applications.

MIL-STD-810H

This antenna has undergone and passed the Hot Temperature, Cold Temperature, Blowing Rain, Blowing Sand, and Shock and Vibration Environmental Tests, in accordance with MIL-STD-810H. Please contact Electro-Metrics for the detailed report.

Specifications

Electrical

Frequency Range: 20 MHz – 40 GHz

VSWR: Average 2:1 above 400 MHz

Beam width: 360° Azimuth (Omni-Directional)
70° Average Elevation

Impedance: 50Ω, Nominal

Gain: 150MHz-40GHz Nominal > -2dBi

@100MHz Nominal -16dBi

@20MHz Nominal -40dBi

Connector: Type 'K' (20MHz-40GHz) (Default)

SMA (20MHz-26GHz)

Type 'N' (20MHz-18GHz)

Mechanical

Dimensions:

Overall Length: 53.25 cm (22")

Diameter: 12.7 cm (5.25")

Weight: 2.77 kg (6.1 lbs.)

Mounting Options Available:

(4) 3/8 – 16 TPI Bolts (included)

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

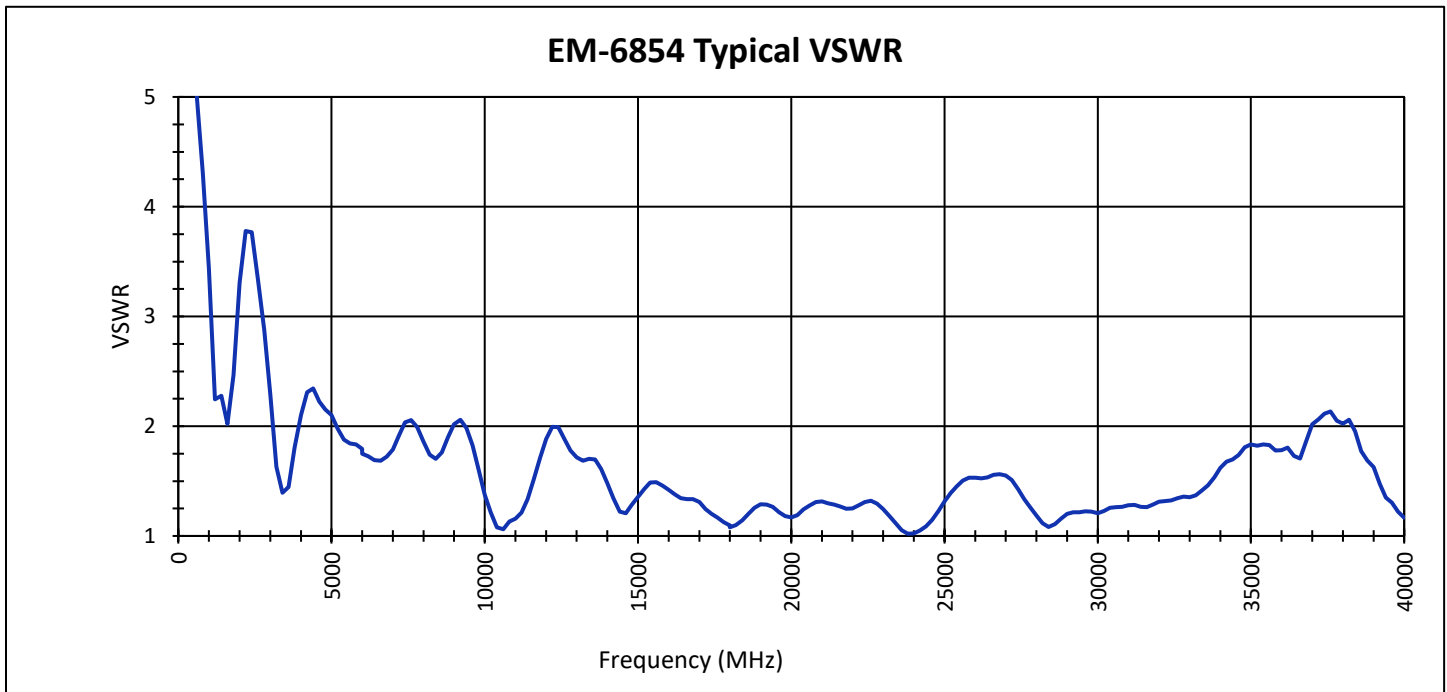
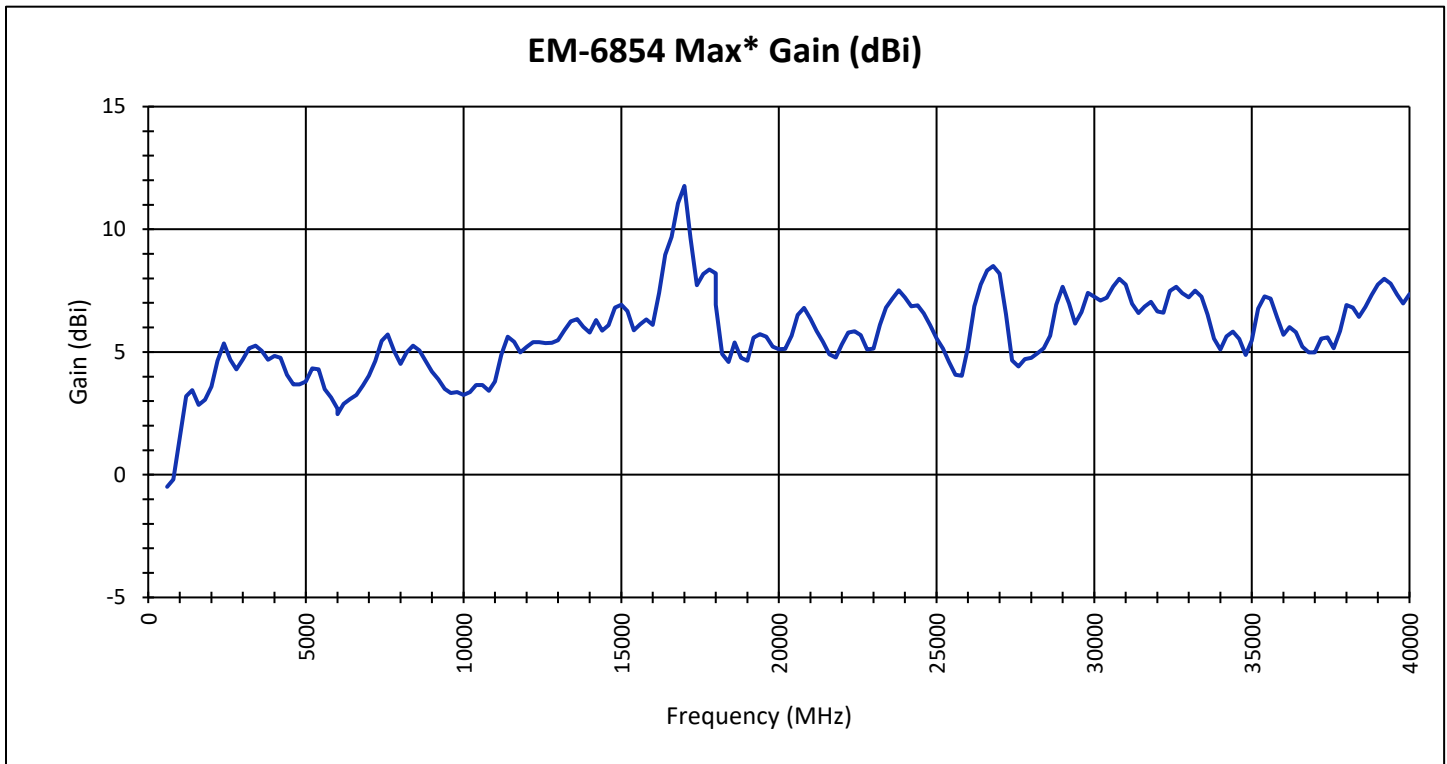
Color Options:

- 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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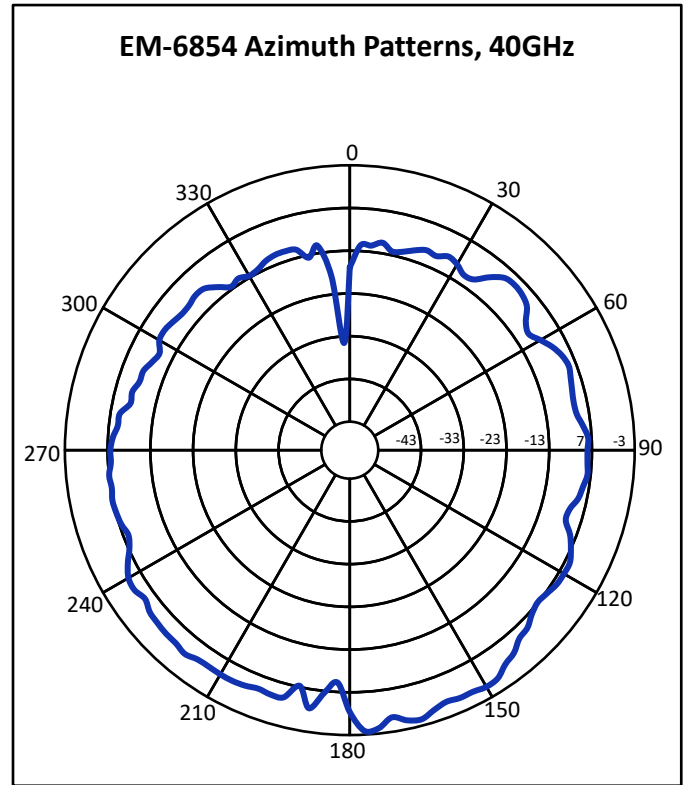
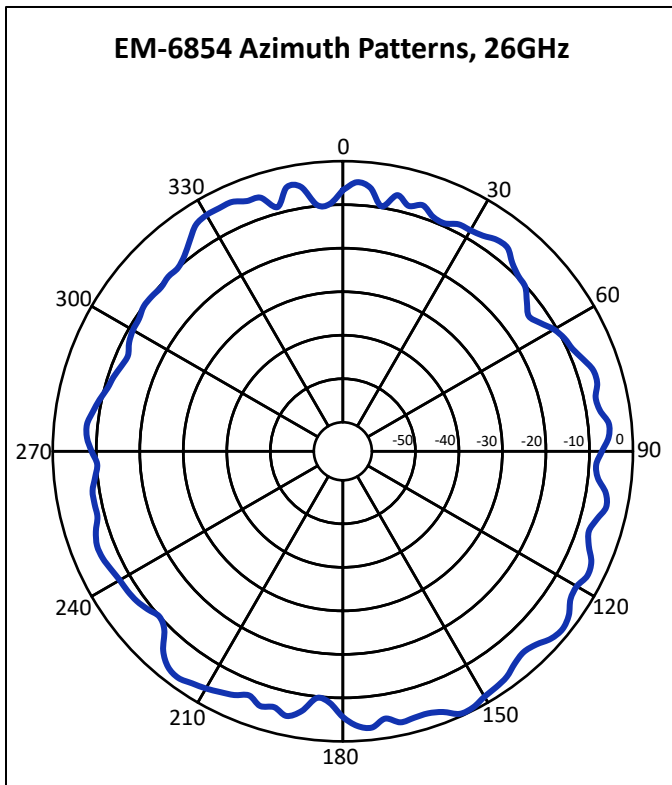
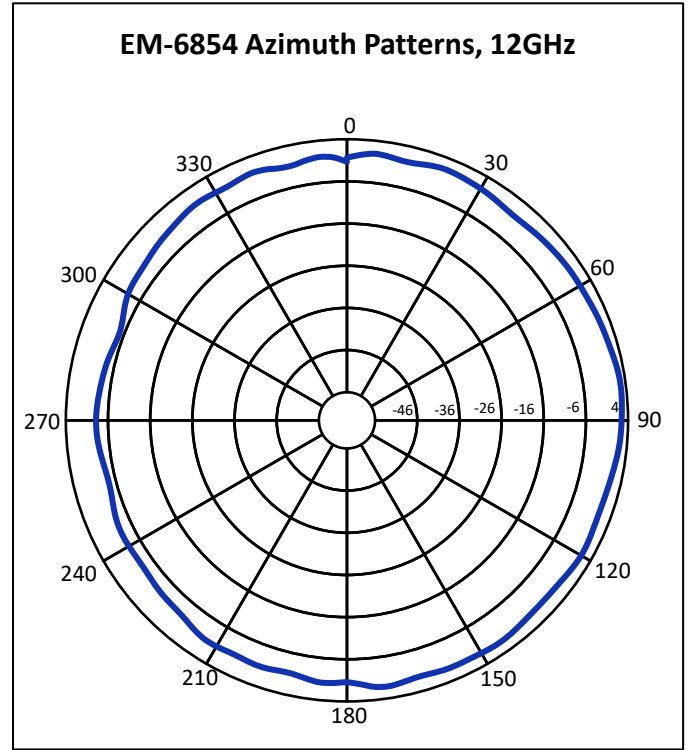
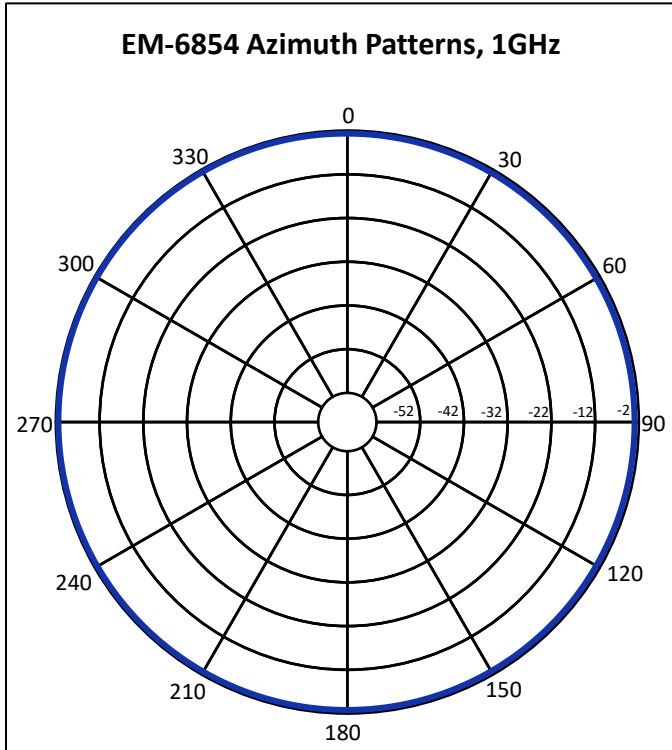


*Maximum Gain determined from scans at all radiation angles and elevations. Data shown is typical, not guaranteed.

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Scale: 10dB/division. Maximum values vary per chart.

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