

EM-6857 | Antenna, Ultra-Wideband, Passive, Omni-Directional



Description

The Electro-Metrics EM-6857 Ultra-Wideband Passive Omni-Directional Antenna has an amazing frequency coverage from below 20 MHz to well above 40 GHz.

With nominal gains of 0 dBi or higher over 99.5% of the antenna coverage frequency range, this antenna is the perfect device for SIGINT or any other application where a small, rugged, high performance passive antenna is required.

Specifications

Electrical

Frequency Range: 20 MHz – 40 GHz

Beam-width: Omni-directional

Impedance: 50 Ohms, Nominal

Gain: 200 MHz - 40 GHz

Nominal 0dBi or Greater

@ 100 MHz Nominal -17 dBi

@ 20 MHz Nominal -40 dBi

Connector: Type 'k' (2.92 mm)

Dimensions:

Overall Length: 44.5 cm (17.5")

With standard tripod mount: 58 cm (22.5")

Diameter: 11.5 cm (4.5")

Weight: 1.3kg (2.8 lbs)

Temperature Ranges:

Operating: -20C to +50C

Storage: -30C to +75C

Optional mounts available.



Roof Rack Mount ↑

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

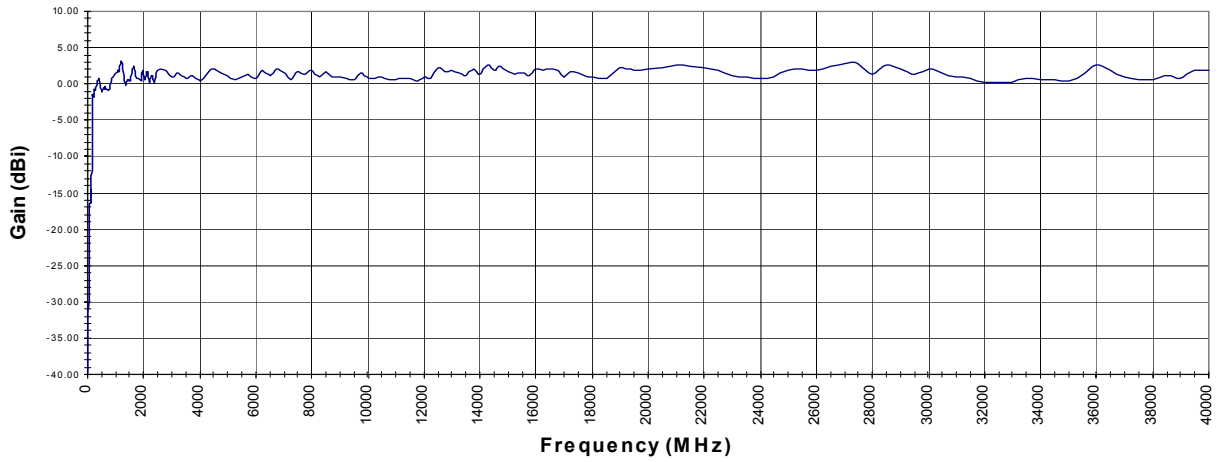


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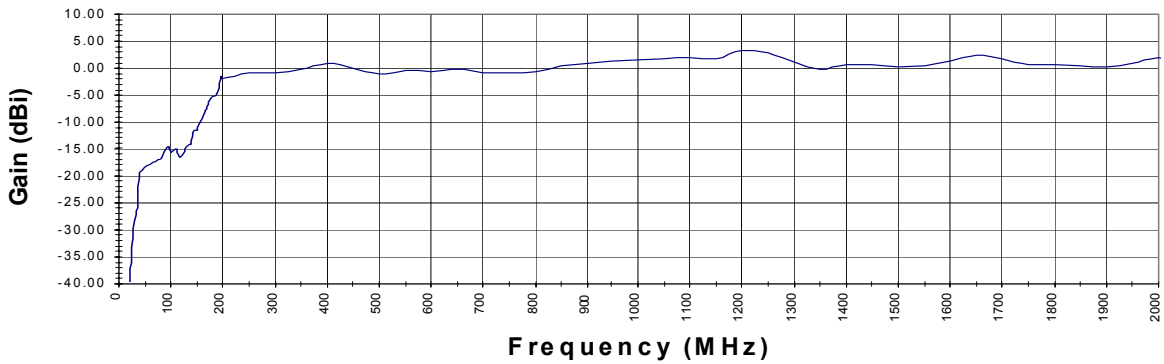
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EM-6857 (The Club) Maximum Gain*

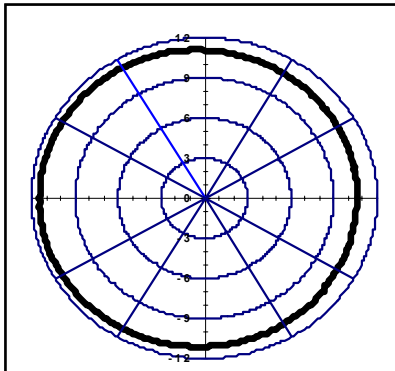


**EM-6857 (The Club) Maximum Gain*
(Expanded Lower Range)**

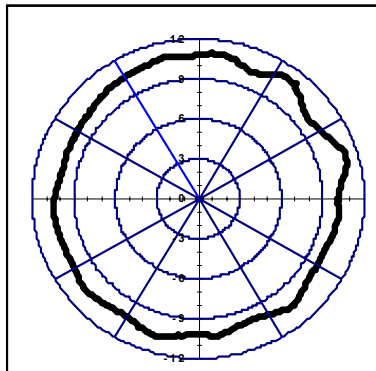


Typical Radiation Patterns (3dB per division)

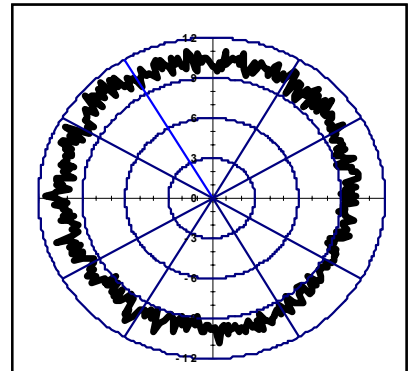
200 MHz



5 GHz



40 GHz



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