

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 well above 40 GHz.

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

Specifications

Electrical

Frequency Range: 300 MHz – 40 GHz

Beam-width: Omni-directional

Impedance: 50 Ohms, Nominal

Gain: 700 MHz - 40 GHz
Nominal 0dBi or Greater
@ 100 MHz Nominal –40 dBi
@ 300 MHz Nominal –7 dBi

Connector: Type K

Dimensions:
Overall Height: 12.7cm (5")
(with connector)

Diameter: 20.3 cm (8")

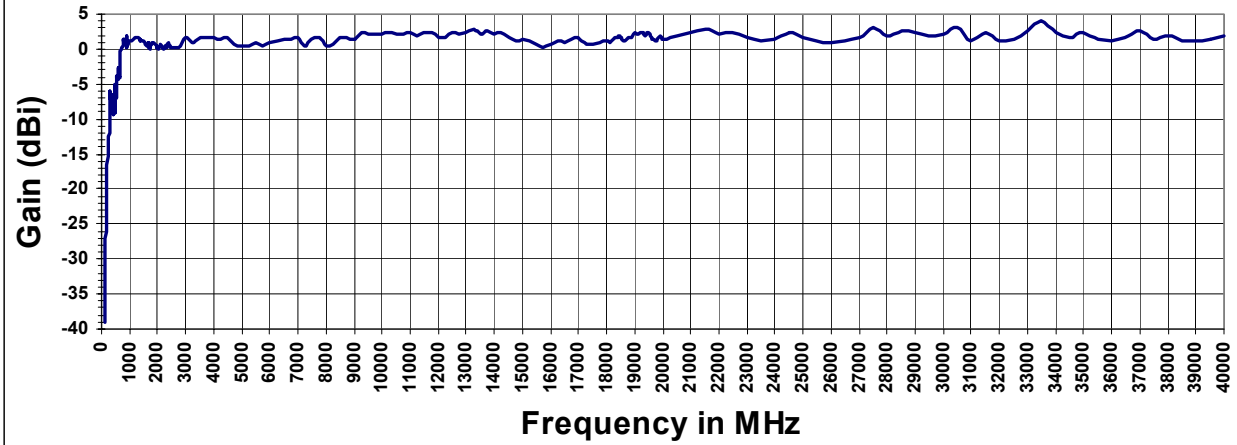


Specifications subject to change without notice.
Unless otherwise specified, product is manufactured in
Johnstown, NY, U.S.A.

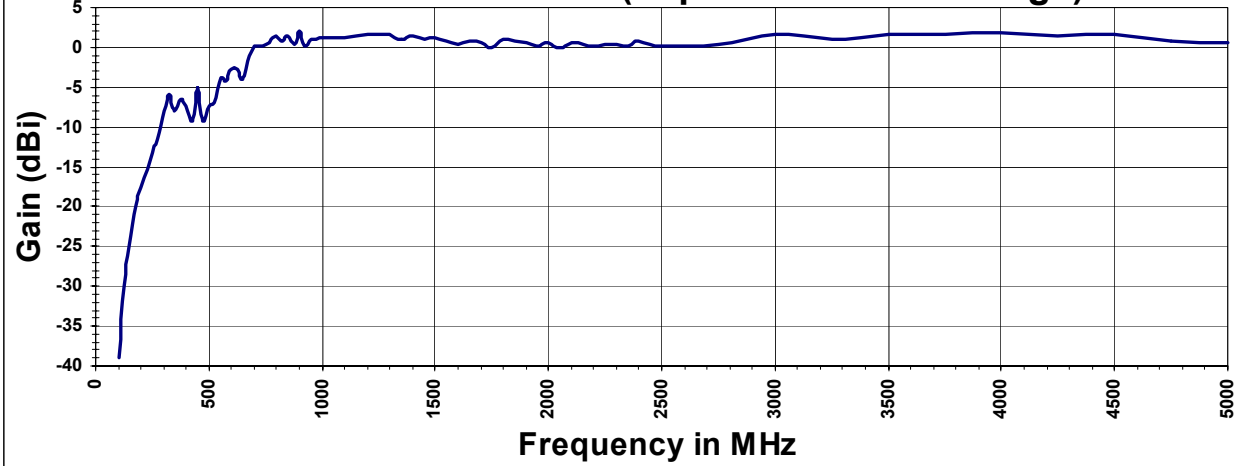


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EM-6853 Maximum Gain*

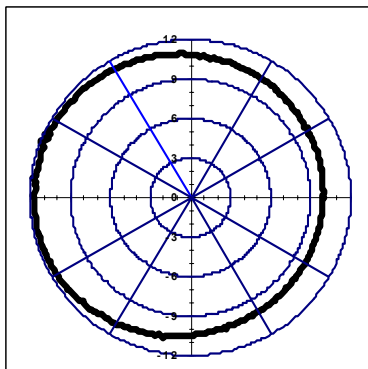


EM-6853 Maximum Gain* (Expanded Lower Range)

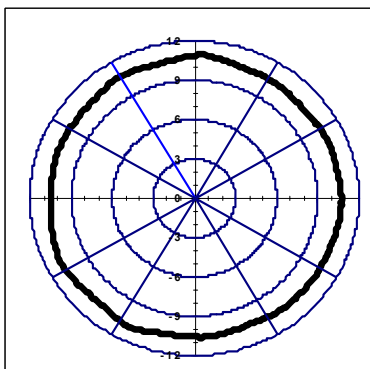


Typical Radiation Patterns (3dB per division)

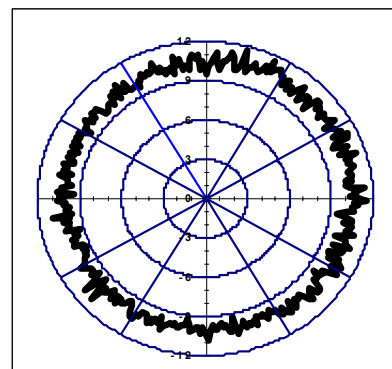
300 MHz



6 GHz



40 GHz



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