

EM-6174 | Antenna, Ultra-Wideband, Passive, Flat Panel



Description

The Electro-Metrics EM-6174 is a Passive Ultra-Wideband Flat Panel Antenna. The EM-6174 features a 2-Port design allowing separate monitoring of the upper and lower frequency bands without compromising performance. With a thin profile, tamper-resistant ports, and built-in recessed wall mounts, the EM-6174 is perfect for SIGINT and IPMS applications where a discrete profile is preferred or required.



Specifications

Electrical

Port 1:

Frequency Range: 100 MHz – 26.5 GHz

Impedance: 50 Ohms, Nominal

VSWR: < 2.2 Average, above 200 MHz

Max.* Realized Gain:

- 1GHz – 26GHz: 3.2 dBi, Nominal
- -10.7 dBi typical @ 150 MHz
- 1.7 dBi typical @ 350 MHz

Connector: SMA (female)

Continuous Power: 5 W

Port 2:

Frequency Range: 26.5 GHz – 50 GHz

Impedance: 50 Ohms, Nominal

VSWR: < 1.5 Average, above 26.5 GHz

Max.* Realized Gain:

- 26GHz – 50GHz: 4.5 dBi, Nominal
- -1.7 dBi typical @ 2 GHz
- -0.9 dBi typical @ 5 GHz

Connector: 2.4mm (female)

Continuous Power: 5 W

Mechanical

Dimensions:

Height: 30 cm (12")

Width: 30 cm (12")

Depth: 2 cm (0.7")

Weight: 0.72 kg (1.6 lbs.)

Mounting Options:

Recessed Wall Mount (included)

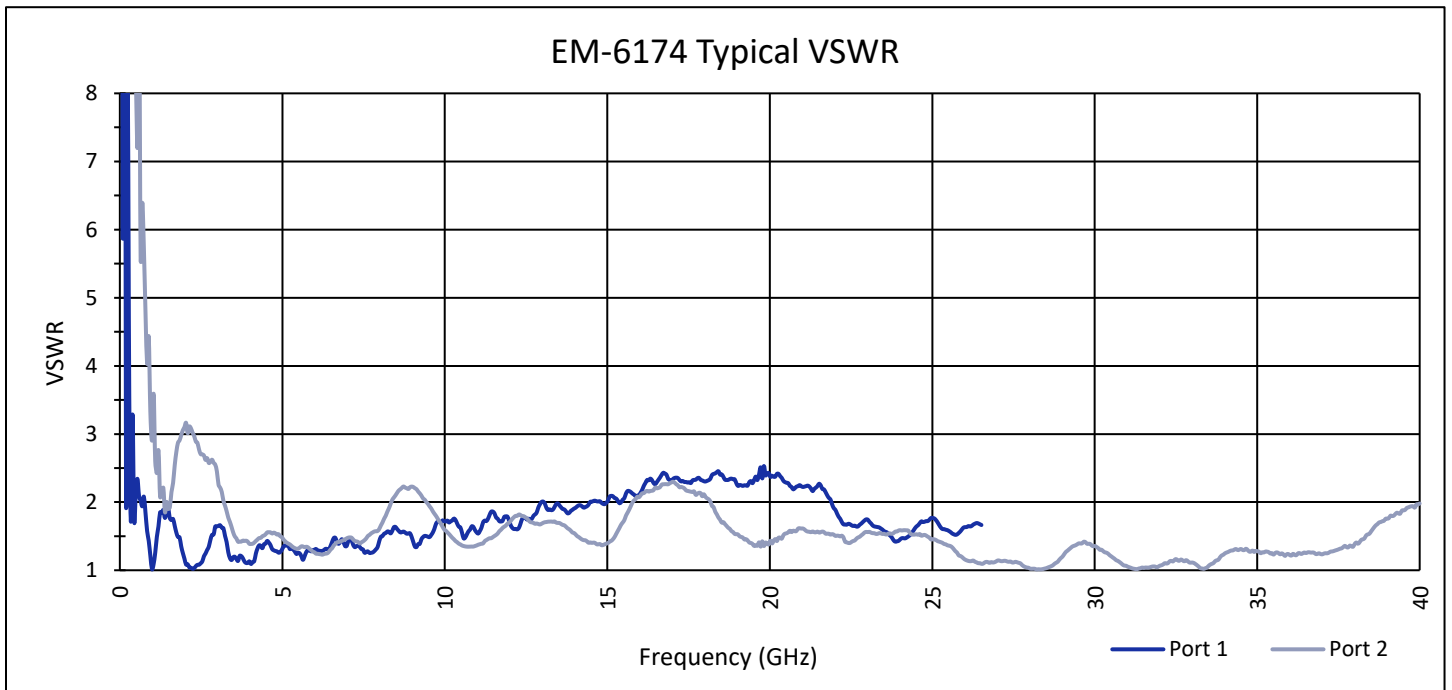
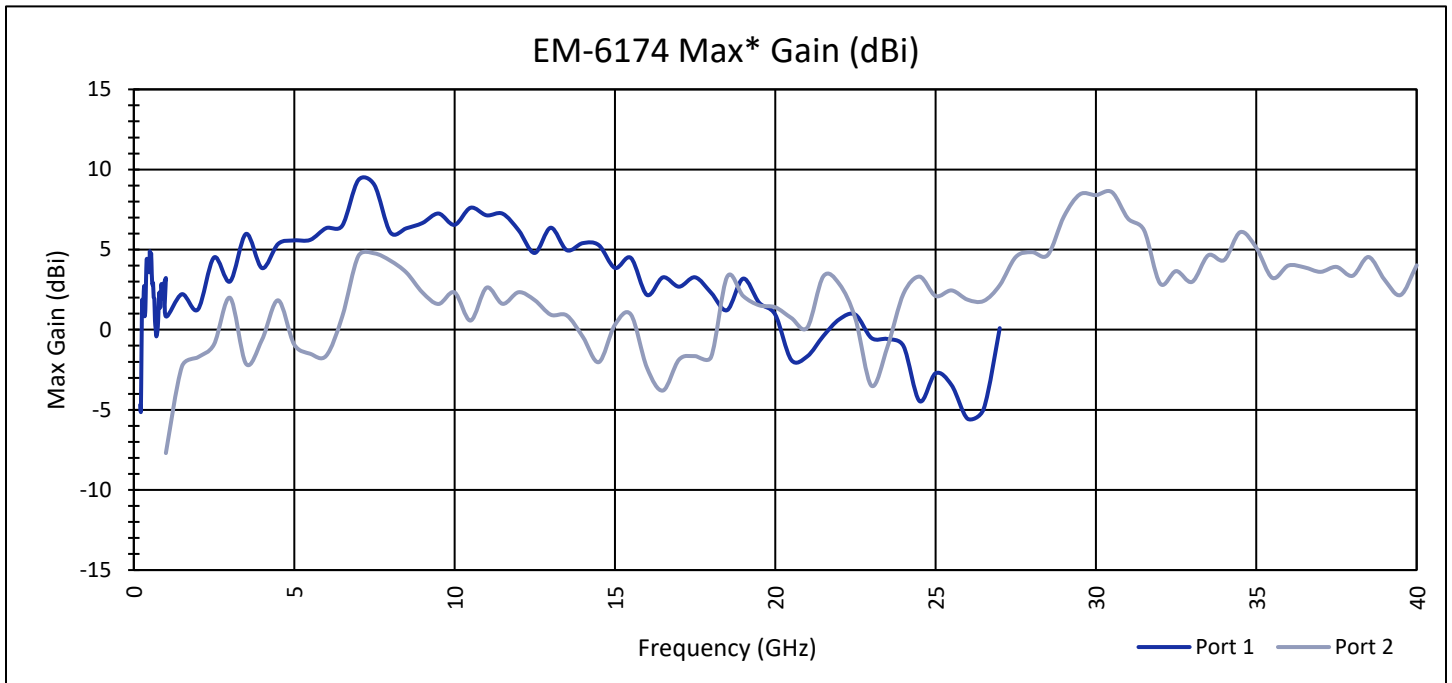
Color Options:

- 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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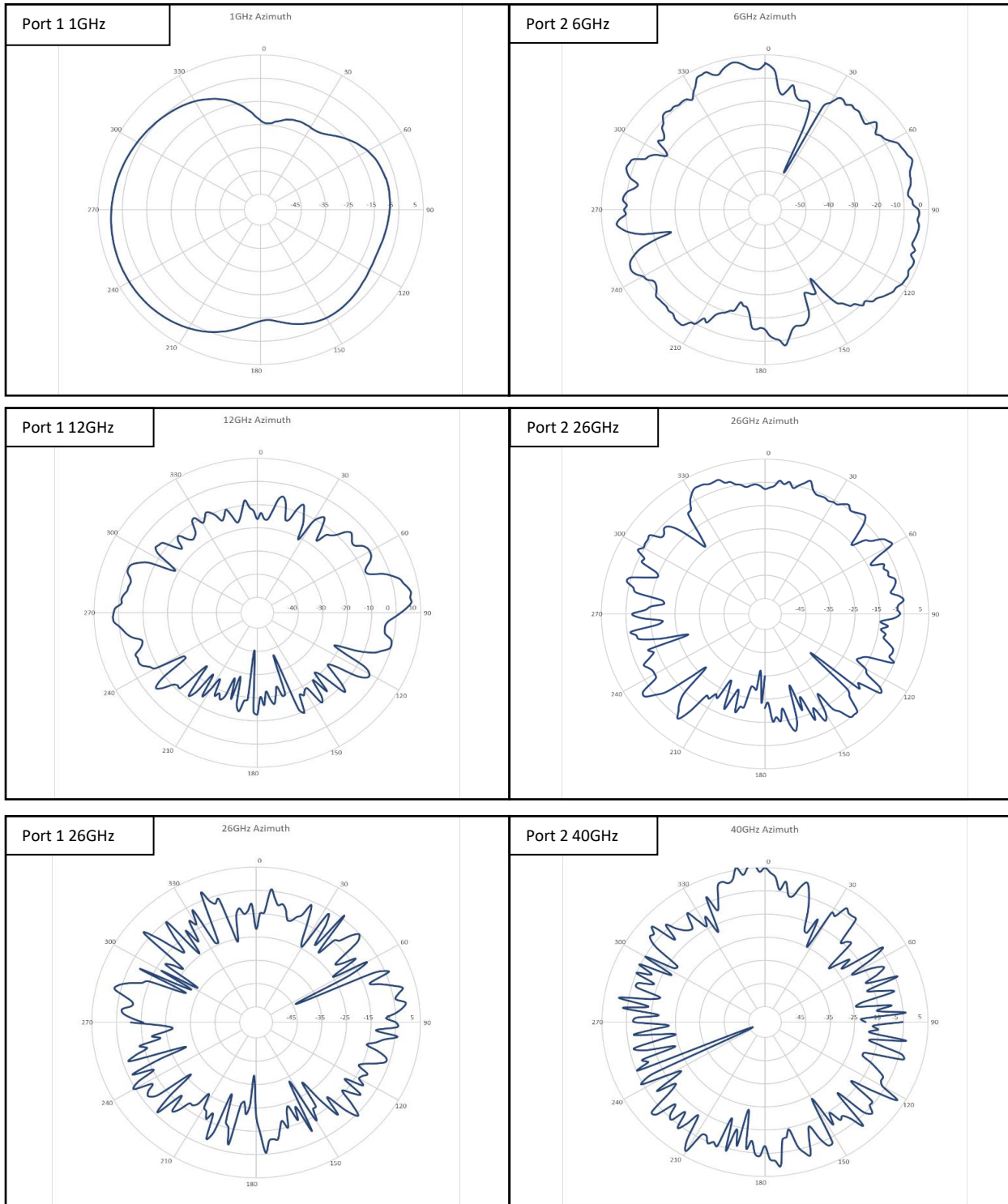


*Maximum Gain determined from scans at all radiation angles and elevations. Data shown is typical, not guaranteed.

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Scale: 10dB/Division. Maximum value varies per chart.

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