EM-7102R | Dual Ridged Horn Antenna with Radome

Description

The Electro-Metrics EM-7102R is a high performance Dual Ridged Horn Antenna designed to cover the L, S, C, X, and Ku bands across the extensive 700MHz-18GHz frequency range. The EM-7102R features a sealed weather-resistant* Radome allowing for uninterrupted use in harsh outdoor environments.

The EM-7102 is an updated design featuring the maximum gain of the antenna along its boresight without nulls or lobe-splitting. The EM-7102 also features a consistent beamwidth with a low VSWR for improved measurement quality.

Specifications

Electrical

Frequency Range: 700MHz – 18GHz

*Calibration Not Included with EM-7102R

Polarization: Linear, Vertical

VSWR: 2:1 Average, 3.5:1 Max above 1GHz

3dB Beamwidth: 80° - 20° Typical Azimuth

80° - 20° Typical Elevation

Impedance: 50Ω, Nominal

Gain: 10-13 dBi Typical > 3GHz

6dBi @ 1000MHz

0.1dBi @ 750MHz

Max* Power: 100W CW

300W Peak

Connector: Type 'N' (**EM-7102R** | 700MHz-18GHz)

Mechanical

Dimensions:

Height: 25.4 cm (10.0 in.)

Width: 34.3 cm (13.5 in.)

Depth: 38.1 cm (15.0 in.)

Weight: kg (lbs.)

Mounting Options Available:

Radome with tripod mount (**EM-7102R**)

Handheld grip

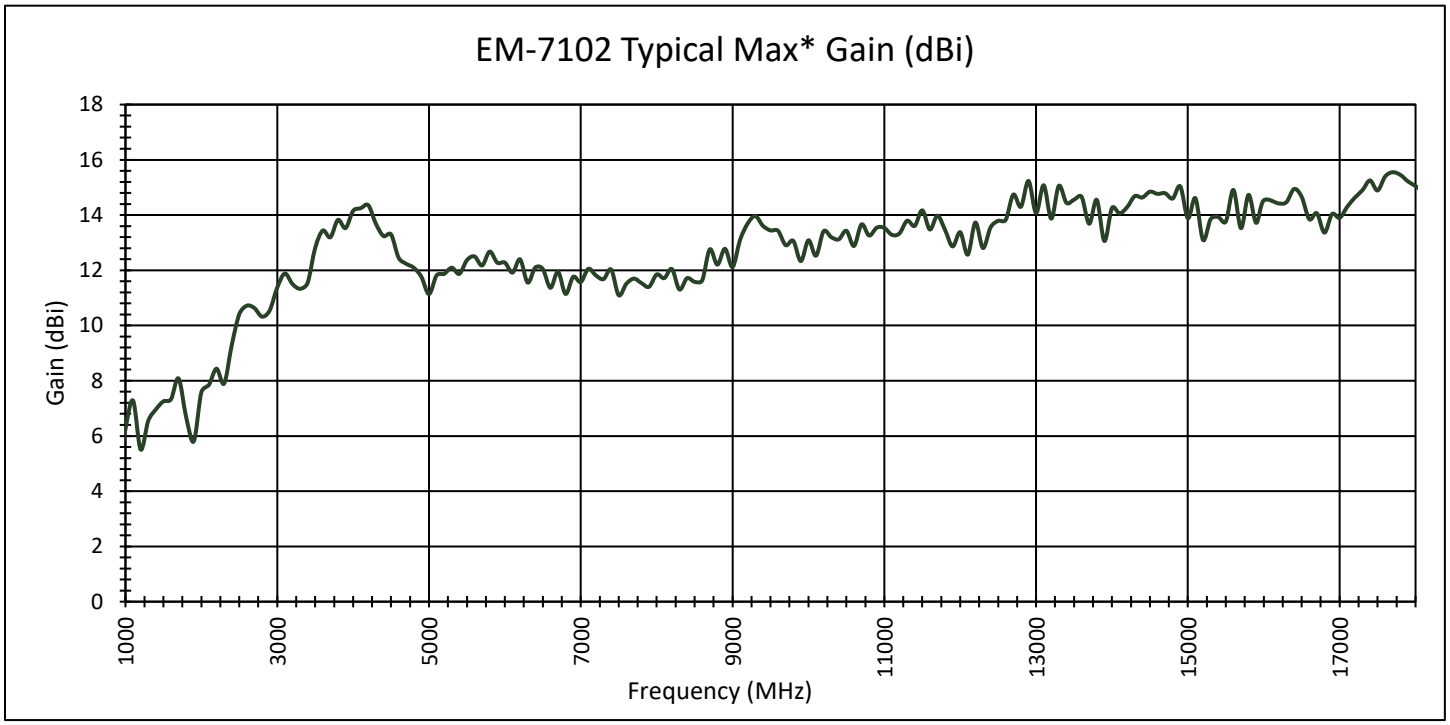
Color Options:

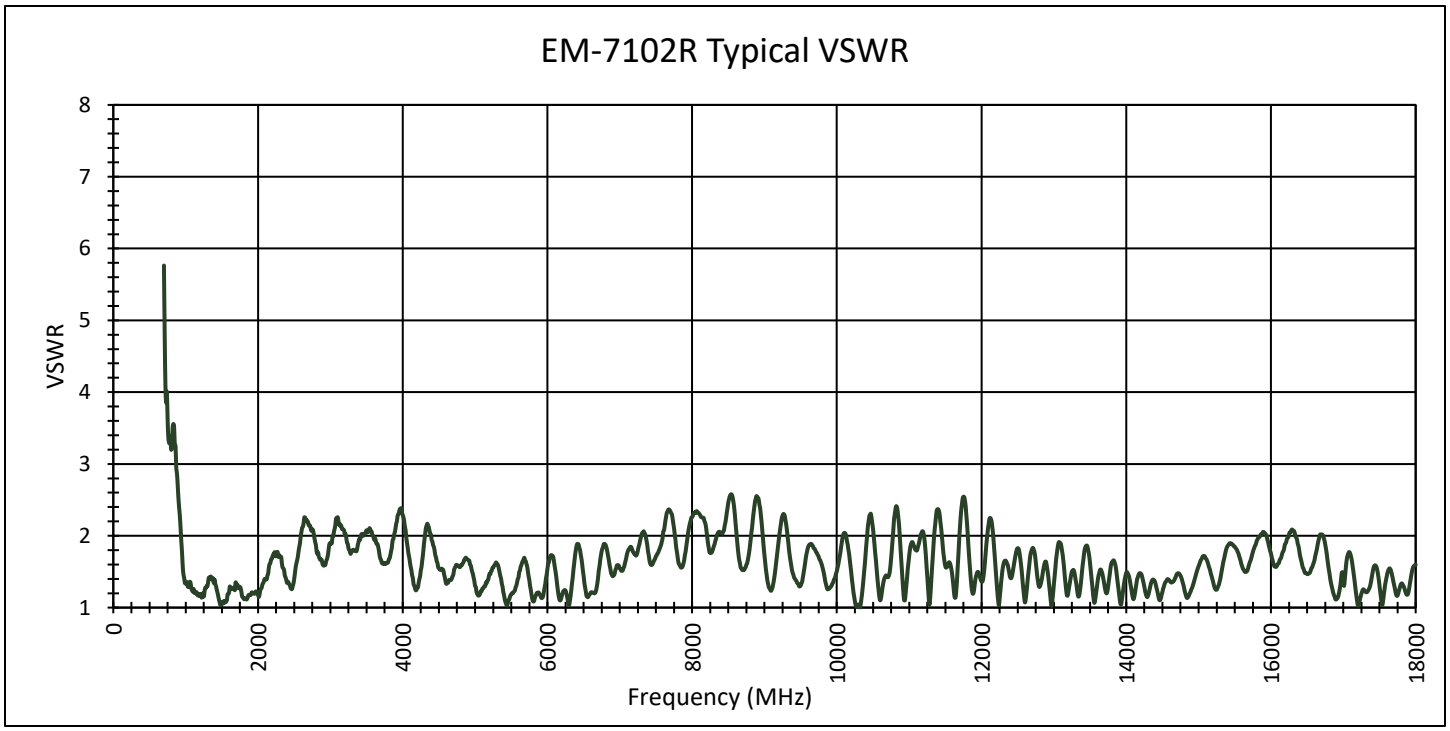
- Black
- Custom Paint Available

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

MADE IN USA

EM-7102 | Dual Ridged Horn Antenna with Radome



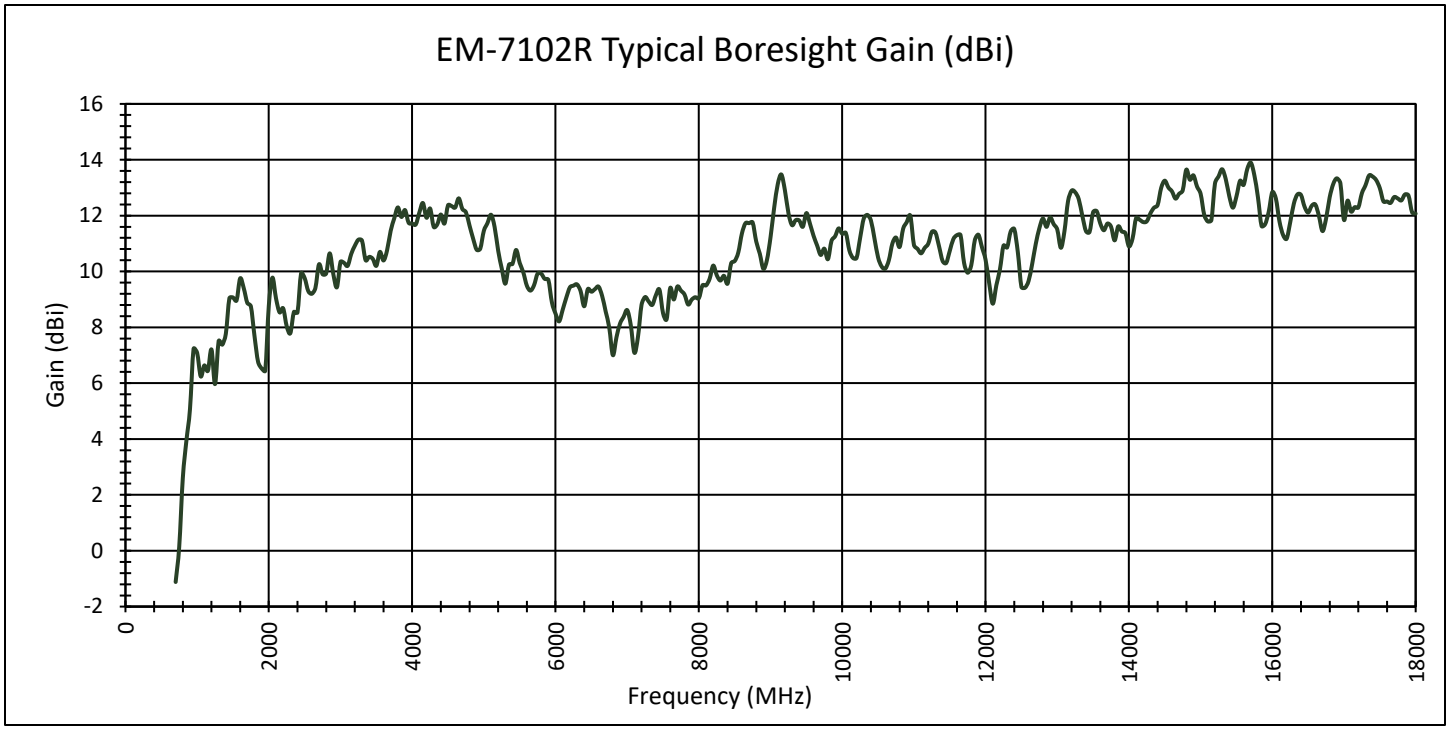


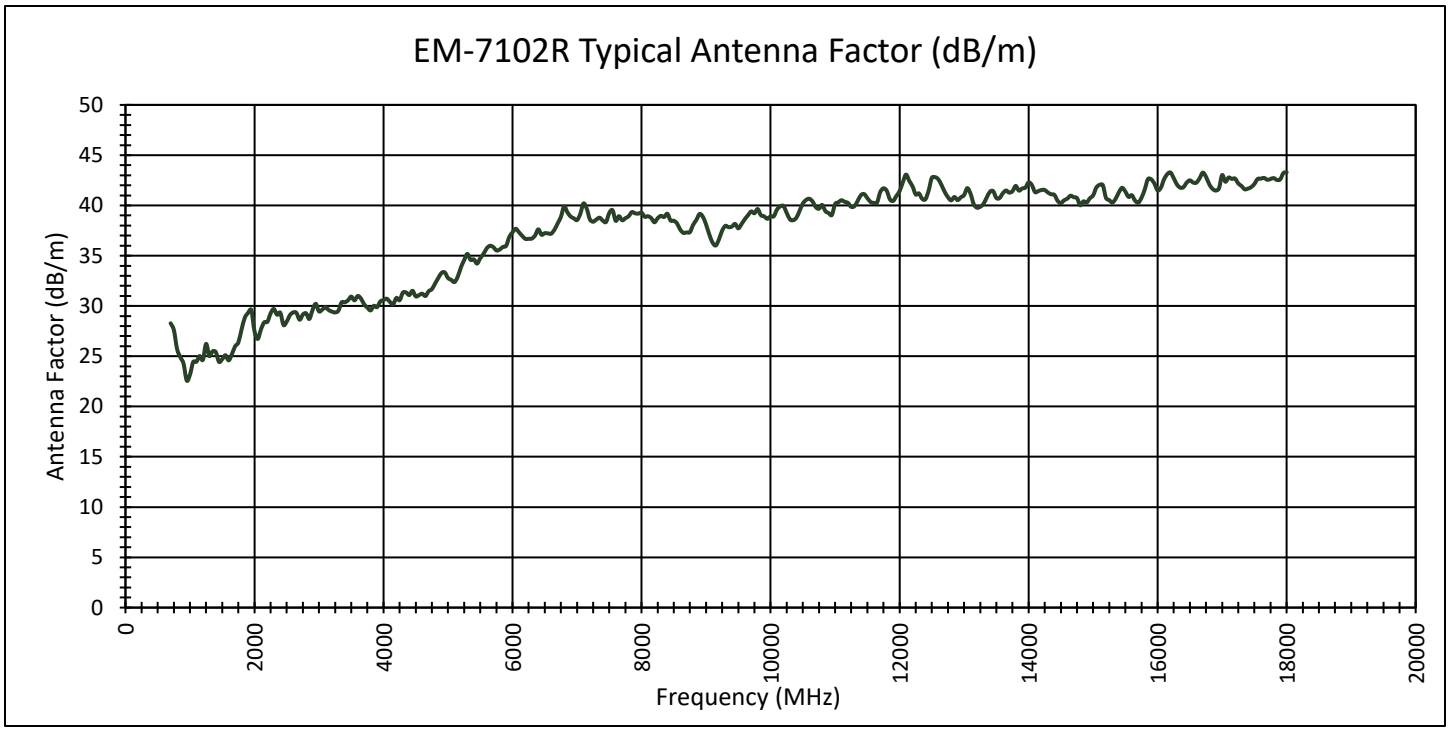
*Maximum Gain determined from scans at all radiation angles and elevations. Data shown is typical, not guaranteed.

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

MADE IN USA

EM-7102R | Dual Ridged Horn Antenna With Radome





Boresight measurements are taken along antenna center axis of symmetry. Data shown is typical, not guaranteed.

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

MADE IN USA