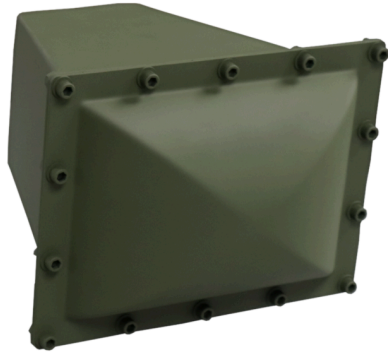


EM-7102R | Dual Ridged Horn Antenna with Radome



Description

The EM-7102R is a high-performance dual ridged horn antenna designed to cover the L, S, C, X, and Ku bands across the extensive 700 MHz - 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:	700 MHz – 18 GHz *Calibration Not Included
Polarization	Linear, Vertical
VSWR:	2:1 Average, 3.5:1 Max above 1 GHz
Impedance:	50Ω, Nominal
Gain:	10 - 13 dBi Typical > 3 GHz 6 dBi @ 1000 MHz 0.1 dBi @ 750 MHz
3dB Beamwidth:	80° - 20° Typical Azimuth 80° - 20° Typical Elevation
Max* Power:	100W CW 300W Peak
Connector:	Type 'N'

Mechanical

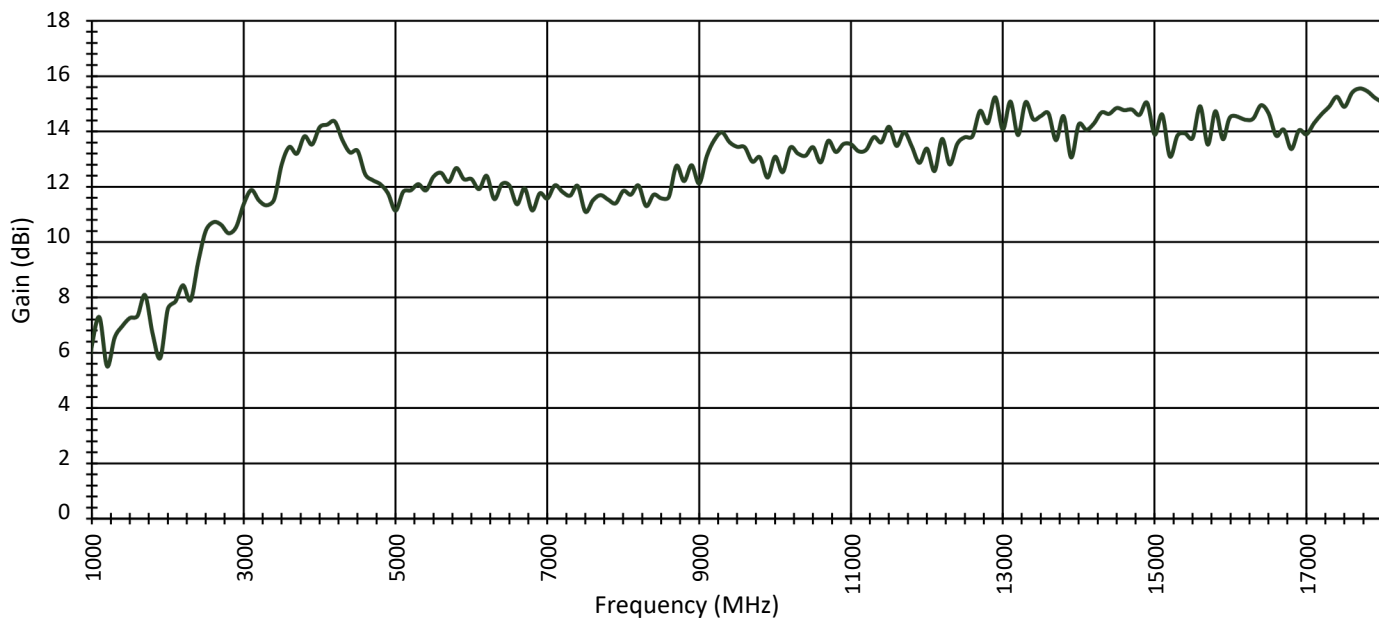
Dimensions:	Height: 25.4 cm (10.0 in.) Width: 34.3 cm (13.5 in.) Depth: 38.1 cm (15.0 in.) Weight: 3.76 kg (8.29 lbs.)
Mounting Options:	Radome with tripod mount Handheld grip
Color Options:	• Black • Custom Paint Available

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

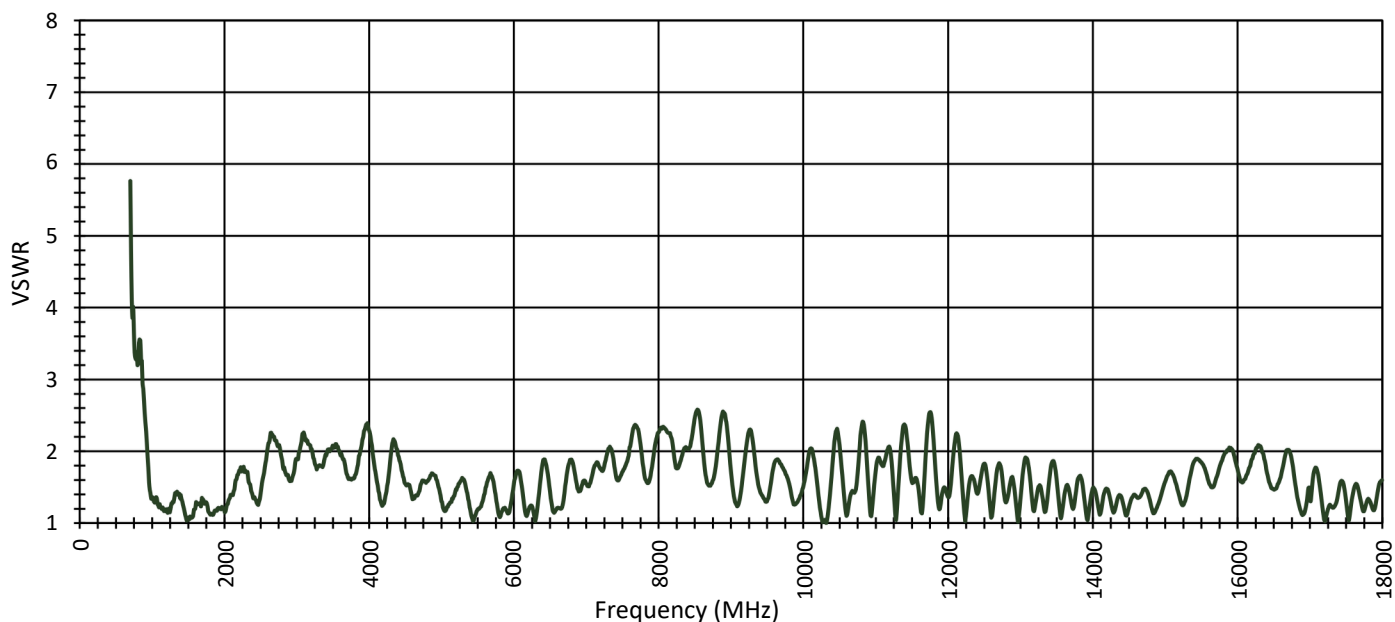


EM-7102R | Dual Ridged Horn Antenna with Random

EM-7102R Typical Max* Gain (dBi)



EM-7102R Typical VSWR

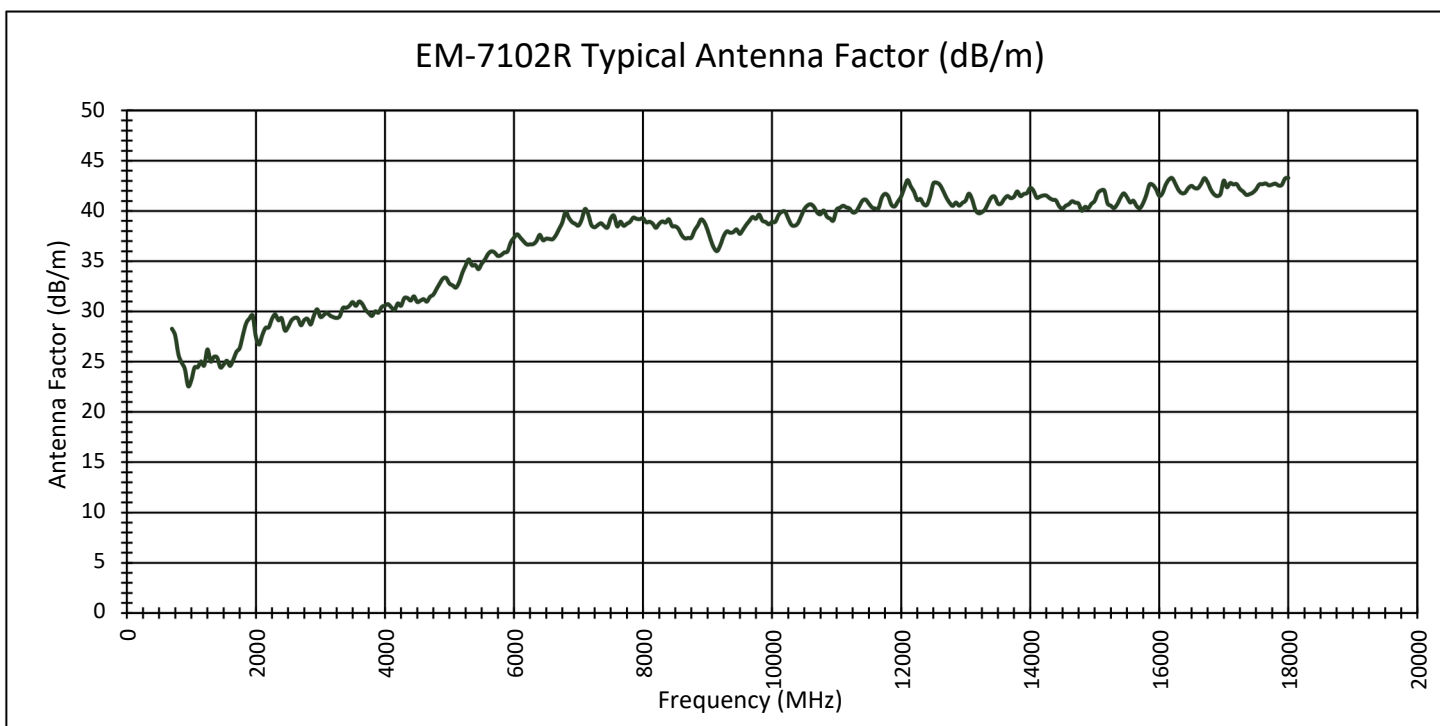
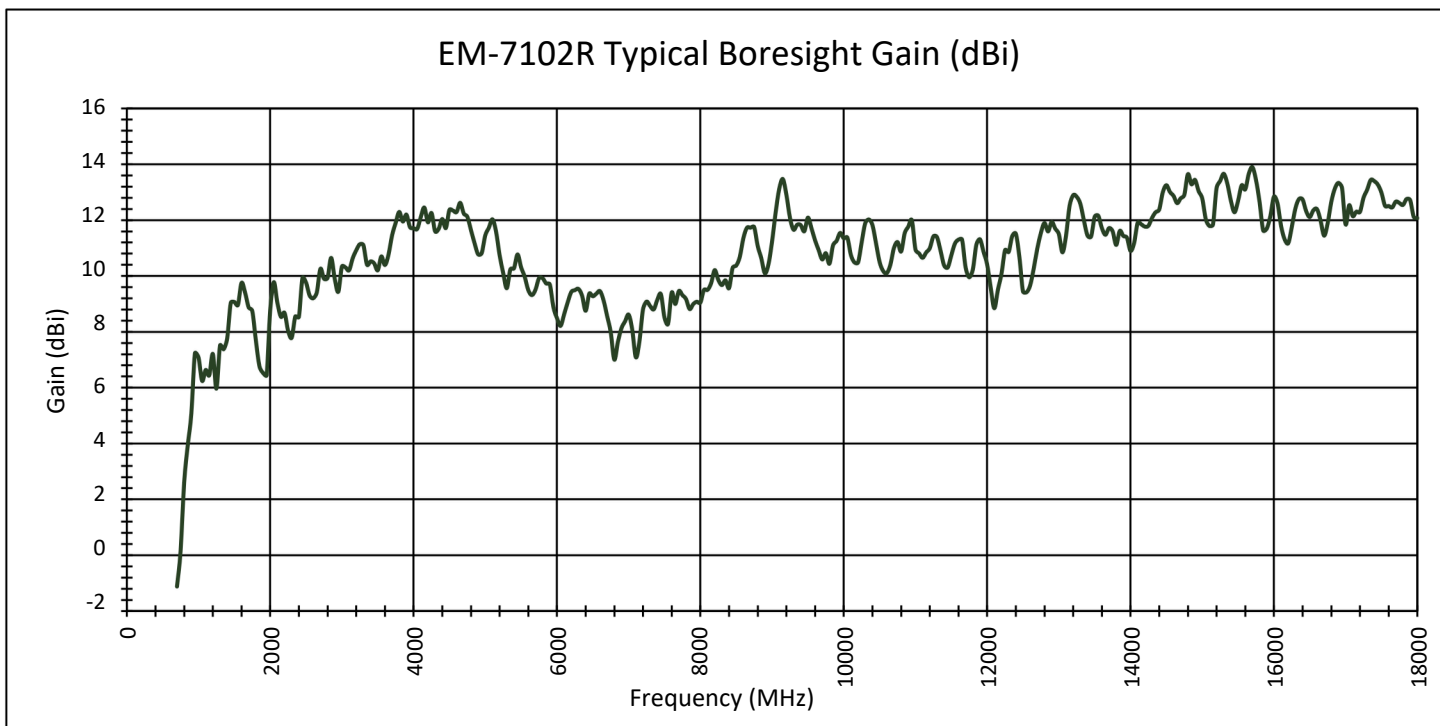


*Maximum Gain determined from scans at all radiation angles and elevations. Data shown is typical, not guaranteed.

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EM-7102R | Dual Ridged Horn Antenna with Random



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

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