

## EM-6853 | Antenna, Ultra-Wideband, Passive, Omni-Directional



### Description

The EM Antennas EM-6853 Ultra-Wideband Passive Omni-Directional Antenna has a broad frequency coverage from below 300 MHz to 43.5 GHz.

The EM-6853 features stable performance with Omni-Directional radiation patterns across its entire frequency range. The EM-6853 comes standard as a ceiling-mountable package made from a rugged Kydex.

The EM-6853 is also available in a cylindrical package and with environmental hardening.

### Specifications

#### Electrical

<b>Frequency Range:</b>	300 MHz – 43.5 GHz
<b>VSWR:</b>	Average 2:1 above 600 MHz
<b>Beam width:</b>	360° Azimuth (Omni-Directional) 70° Average Elevation
<b>Impedance:</b>	50Ω, Nominal
<b>Gain:</b>	600 MHz-40 GHz Nominal > 0 dBi @ 500 MHz Nominal - 7.5 dBi @ 300 MHz Nominal - 18 dBi
<b>Connector:</b>	Type 'K' ( <b>EM-6853</b>   300 MHz-40 GHz) SMA ( <b>EM-6853-3</b>   300 MHz-26 GHz) Type 'N' ( <b>EM-6853-1</b>   300 MHz-18 GHz)

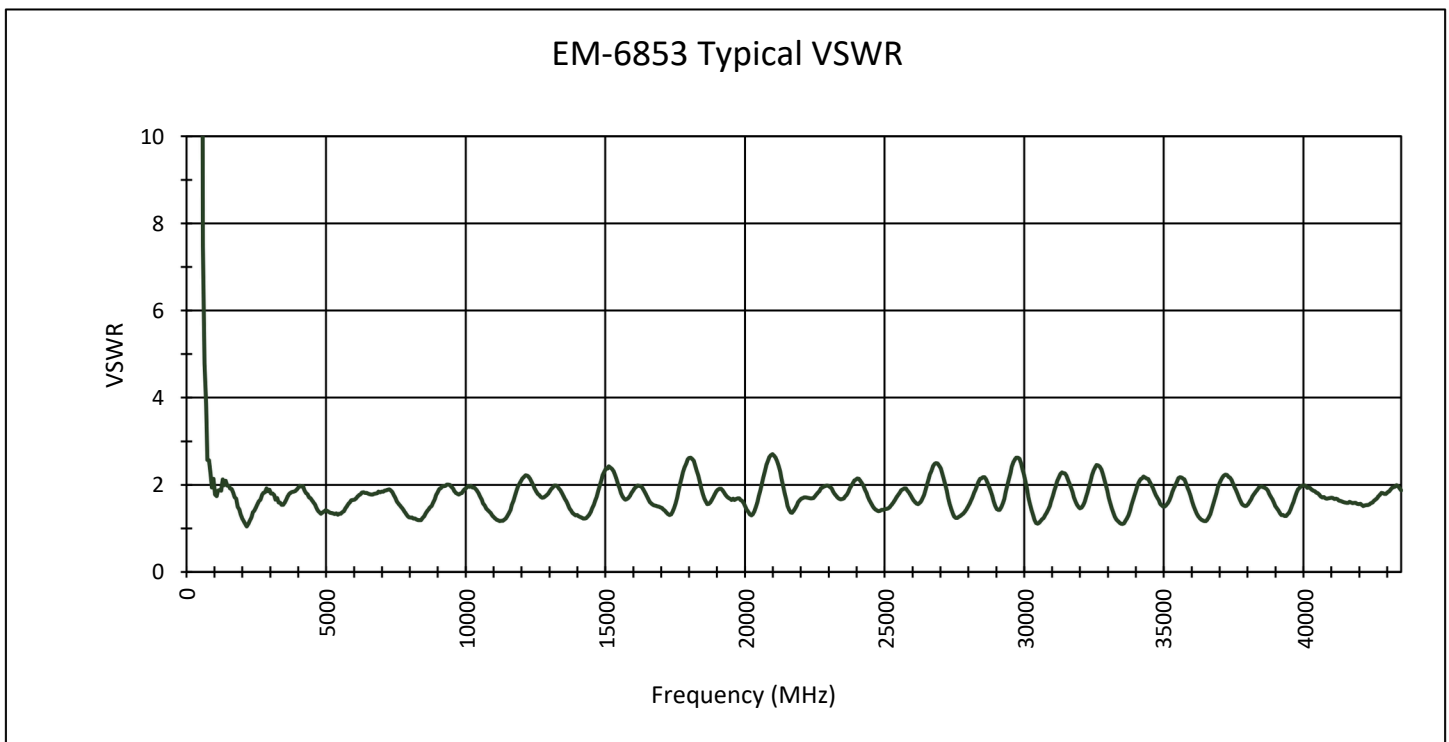
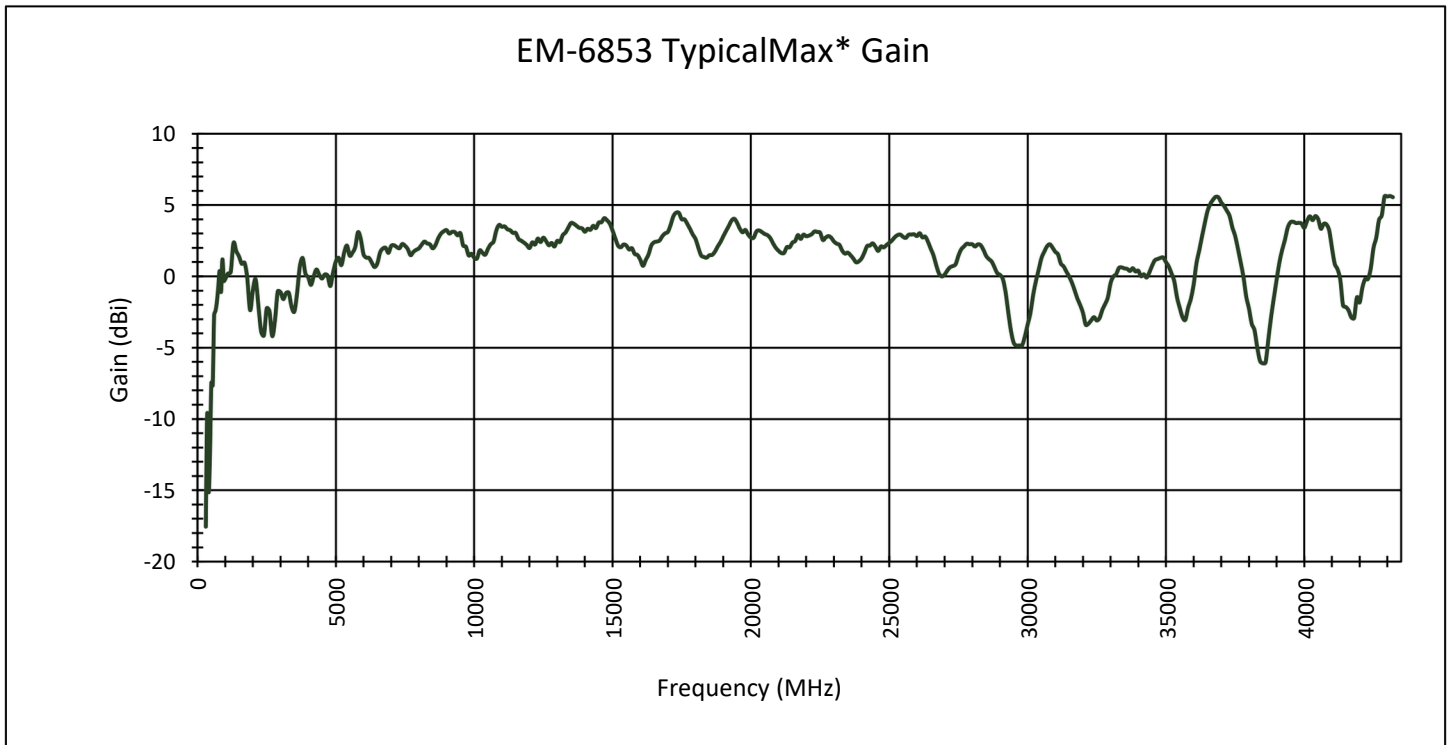
#### Mechanical

<b>Height:</b>	12.7 cm (5")
<b>Diameter:</b>	20.3 cm (8")
<b>Weight:</b>	1.34kg (2.95 lbs.)
<b>Options Available:</b>	<b>EM-6853-2</b> Standard Cannister Radome (compatible with EM-1607 Tripod Mount) <b>EM-6853A</b> Environmental Hardening
<b>Color Options:</b>	<ul style="list-style-type: none"> <li>White (default)</li> <li>Custom colors available upon request</li> </ul>

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



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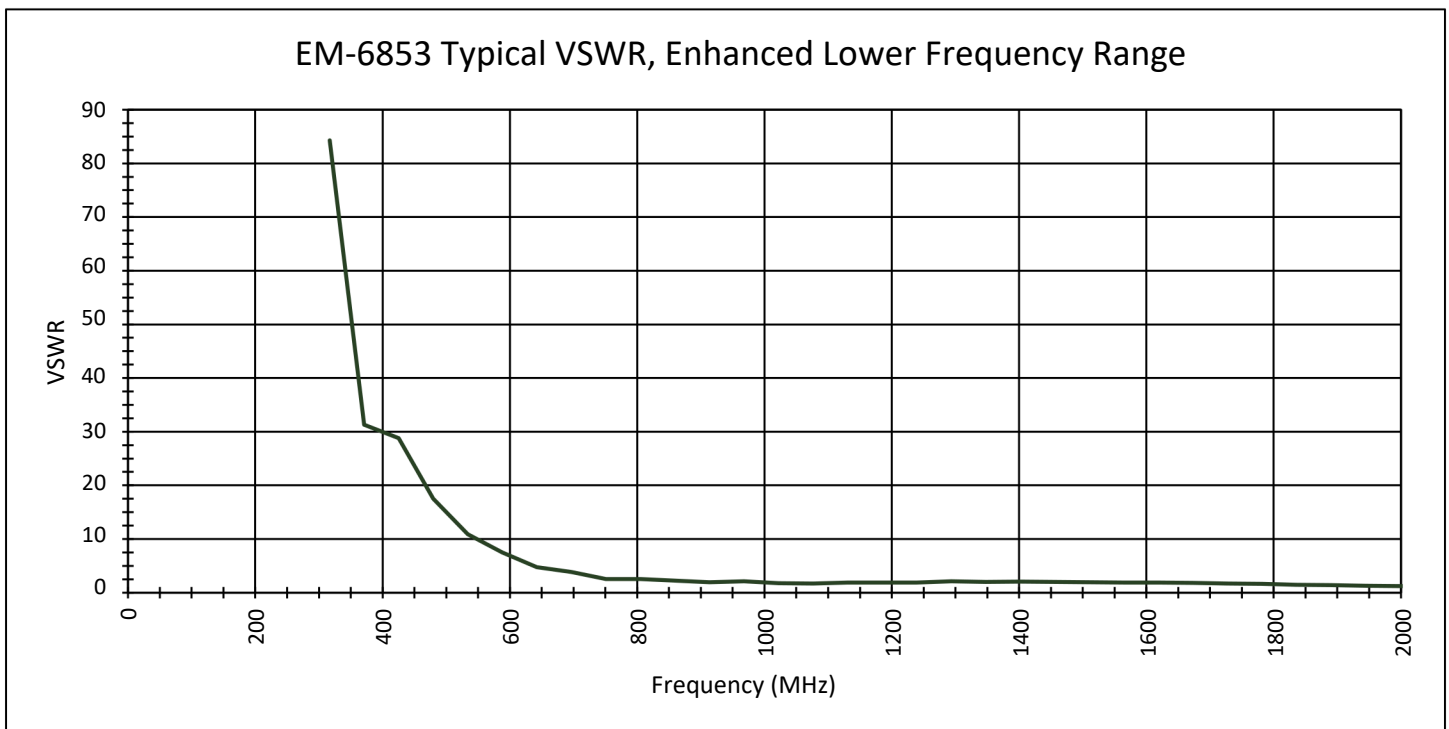
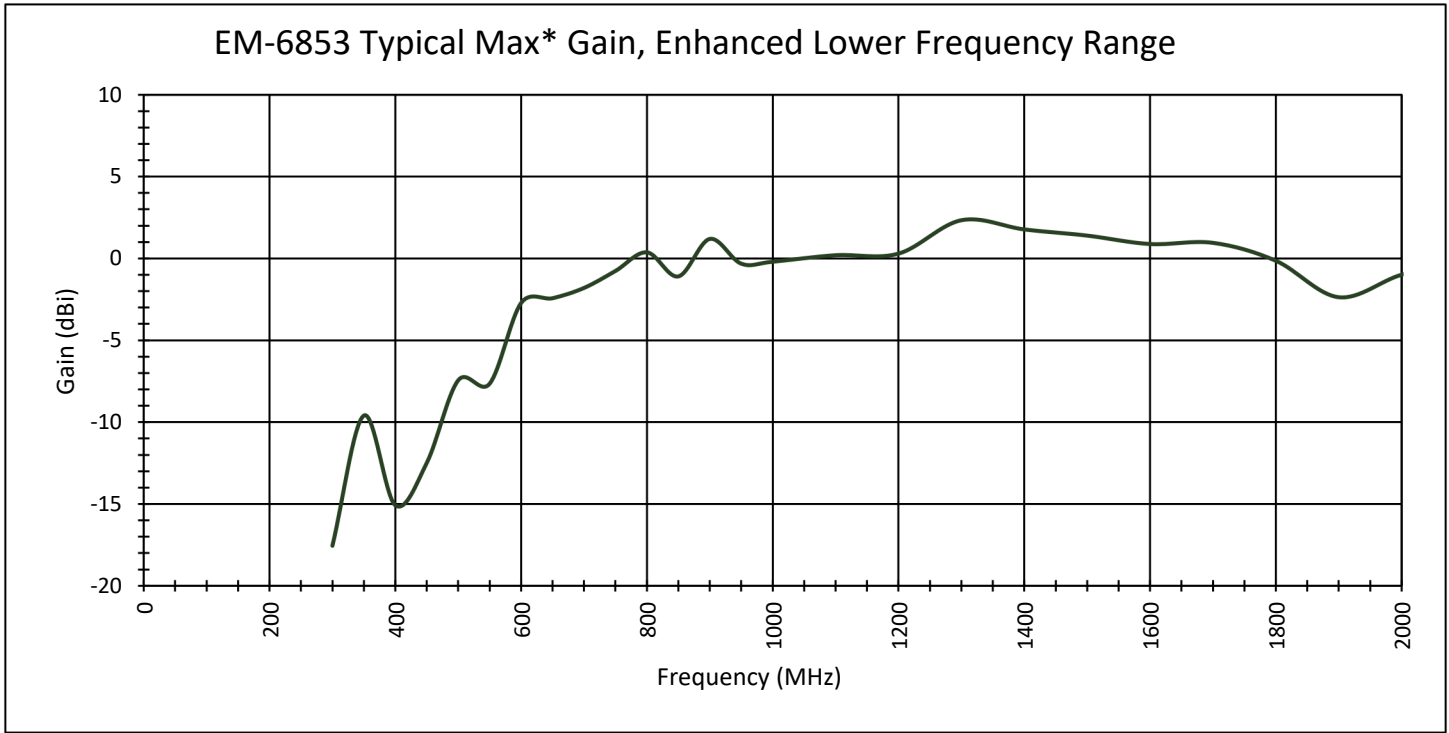


\*Maximum Gain determined from scans at all radiation angles and elevations. Data shown is typical, not guaranteed.

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