

## EM-7020, EM-7021, EM-7022 | Octave Band Horn Antennas



### Description

EM Antennas offers three horn antennas (EM-7020, EM-7021, and EM-7022), each covering an octave bandwidth from 1 to 10 GHz.

The horns are individually calibrated and can be used for either receiving or transmitting applications.

They are especially suited to radiated immunity testing and can be used to generate fields in excess of 200 Volts/meter.

All three horns feature type “N” connectors and exhibit low VSWR to ensure compatibility with power amplifiers.

### Specifications

#### Electrical

<b>Frequency Range: Calibrated</b>	<b>EM-7020:</b> 1 – 2.5 GHz <b>EM-7021:</b> 2 – 5 GHz <b>EM-7022:</b> 4 – 10 GHz
<b>Power Handling:</b>	200 Watts
<b>VSWR:</b>	2.0:1
<b>Output Impedance:</b>	50Ω, Nominal
<b>Gain:</b>	12 - 17 dB, typical
<b>Connector:</b>	Type 'N'

#### Mechanical

<b>Dimensions:</b>	
<b>EM-7020:</b>	<b>Length:</b> 44.5 cm (17.5") <b>Width:</b> 30.2 cm (11.9") <b>Height:</b> 40.3 cm (15.9") <b>Weight:</b> 6.0 kg (13.0 lbs.)
<b>EM-7021:</b>	<b>Length:</b> 21.6 cm (8.5") <b>Width:</b> 16 cm (6.3") <b>Height:</b> 20.3 cm (8.0") <b>Weight:</b> 1.0 kg (2.2 lbs.)
<b>EM-7022:</b>	<b>Length:</b> 12.7 cm (5.0") <b>Width:</b> 8.38 cm (3.3") <b>Height:</b> 10.9 cm (4.3") <b>Weight:</b> .54 kg (1.2 lbs.)

**NOTE:**  
EM-7020, EM-7021, and EM-7022 Octave Band Horn Antennas can be purchased separately.

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

