



## A.H. Systems, Inc.

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## SAS-590-12

### Octave Horn Antenna

4 GHz – 8 GHz

This Octave horn antenna has medium gain and low VSWR; excellent for both immunity and emissions testing.



Frequency Range: 4 GHz – 8 GHz  
Antenna Factor: 30 dB typical  
Gain: 15.5 dBi typical  
Maximum CW Power: 200 Watts  
Max Radiated Field: 500 V/m  
Impedance: 50  $\Omega$   
VSWR: 1.2:1 (1.5:1 max)  
Connector: WR-159 to N-Type female adapter

### Features

- Frequency Range of 4 GHz to 8 GHz
- Linearly Polarized
- Individually Calibrated
- Three year Warranty

Our SAS-590-12 octave horn antenna covers the octave bandwidth of 4 - 8 GHz. With high gain and low VSWR, this octave horn antenna can be used to generate fields in excess of 200 V/m. One advantage to the Octave horn antennas is that the half power beamwidths are equal in both the horizontal and vertical polarities and is ideal for compliance testing.

### Recommended Accessories

- ATU-514 (Antenna Tripod)
- AEH-510 (Azimuth and Elevation Head)
- SAC-18G-3 (3 Meter Low Loss Cable)





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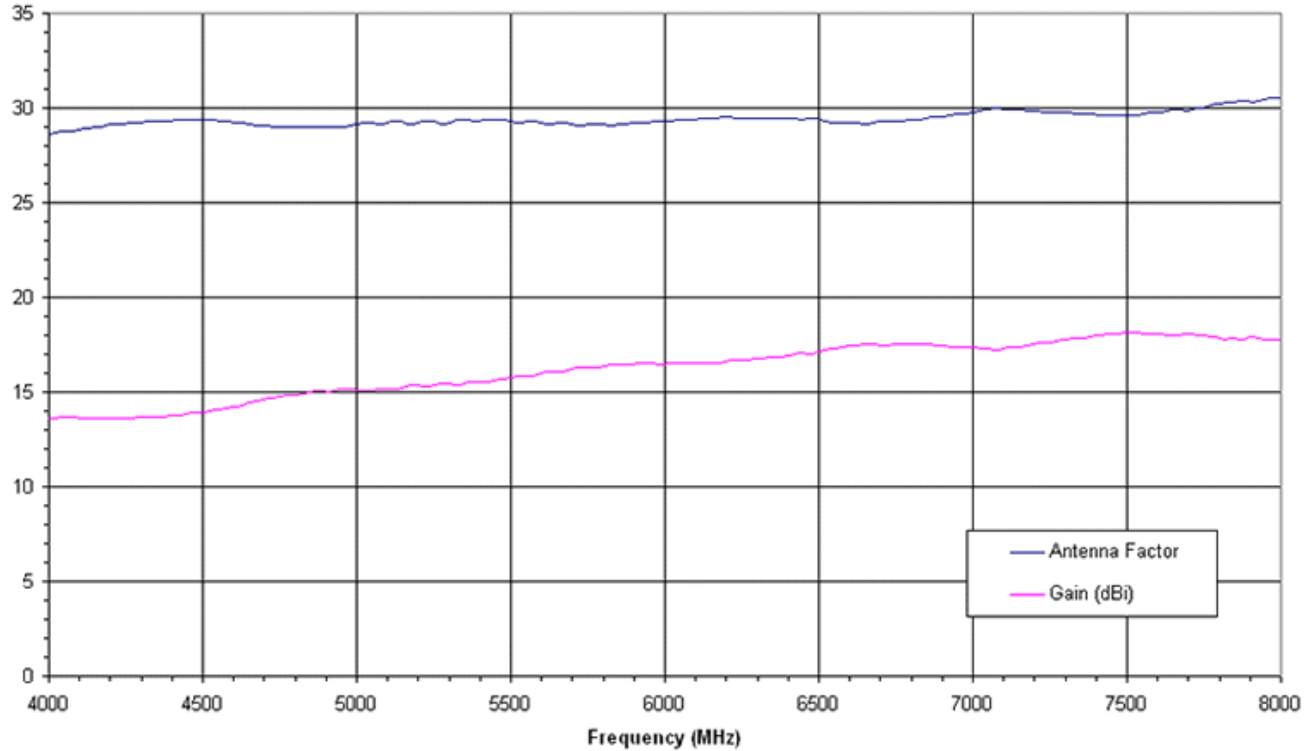
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**Octave Horn Antenna**  
Model: SAS-590-12



**Physical Dimensions:**

Width: 4 in. (10.3 cm)  
Height: 5.4 in. (13.8 cm)  
Length: 9 in. (23 cm)  
Weight: 1.3 lb.'s (0.6 kg)

Information presented in this datasheet was current at the time of publication. A.H. Systems continual product improvement makes it necessary to reserve the right to change our mechanical and electrical specifications without notice.

**A.H. Systems**

EMC Antennas and more

