



# Advanced Test Equipment Corp.

www.atecorp.com 800-404-ATEC (2832)



**A.H. Systems, Inc.**

9710 Cozycroft Ave.  
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Tel: (818) 998-0223



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## SAS-590-11 Octave Horn Antenna 2 GHz – 4 GHz

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



Frequency Range: 2 GHz – 4 GHz  
Antenna Factor: 24 dB/m typical  
Gain: 15.5 dBi typical  
Maximum CW Power: 300 Watts  
Impedance: 50  $\Omega$   
VSWR: 1.2:1 (1.5:1 max)  
Connector: WR-320 to N-Type female adapter

### Features

- Frequency Range of 2 GHz to 4 GHz
- Linearly Polarized
- Individually Calibrated
- Three year Warranty

One advantage to the Octave horn antennas is that the half power beamwidths are equal in both the horizontal and vertical polarities which makes them ideal for radiated immunity testing.

### Recommended Accessories

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

### Physical Dimensions:

Width: 8 in. (20.4 cm)  
Height: 10.4 in. (26.4 cm)  
Length: 14.9 in. (37.7 cm)  
Weight: 1.3 lb.'s (0.6 kg)



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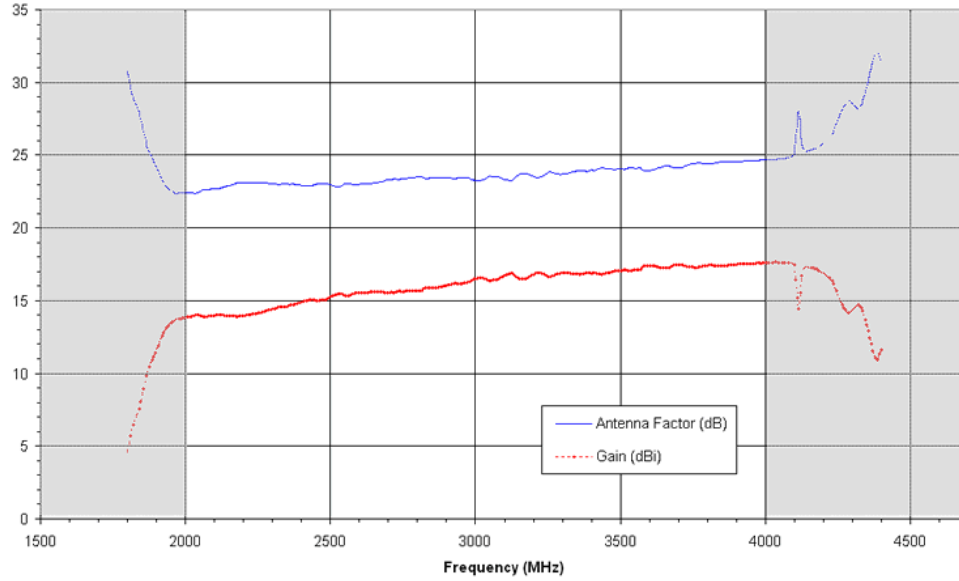
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1 Meter, Horizontal Polarity  
Model Number: SAS-590-11

Conversion of meter reading  
to field strength:  
 $\text{dBuV/m} = \text{dBuV} + \text{AF} + \text{cable loss}$



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Antenna VSWR  
Model: SAS-590-11

