



## A.H. Systems, Inc.

9710 Cozycroft Ave.  
Chatsworth, CA 91311



Tel: (818) 998-0223



sales@AHSystems.com

Fax: (818) 998-6892

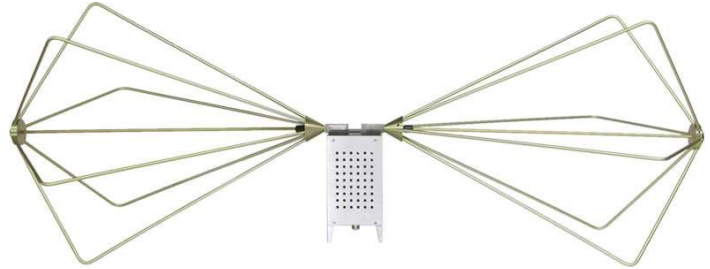


www.AHSystems.com

## SAS-543

### High Power, Biconical Antenna 20 MHz – 300 MHz

High input handling capability up to 2000 watts CW, and rugged design make this Biconical Antenna excellent for immunity testing.



Frequency Range: 20 MHz - 300 MHz

Antenna Factor: 7.4 to 20 dB

Gain: -14 to 2.8 dBi

Maximum Continuous Power: 2000 Watts

Max Radiated Field: 200 V/m (80 MHz – 250 MHz)

Pattern Type: omni-directional

Impedance: 50  $\Omega$

VSWR: 2.8:1

Connector: N-Type, female

Mounting: 1/4-20 Thread, female



### Features

- Frequency Range of 20 MHz to 300 MHz
- Omni Directional, Receive and Transmit
- Individually Calibrated (1, 3 and 10 Meter calibration included, horizontal polarization)
- Rugged Construction
- Three Year Warranty

The SAS-543 Biconical Antenna is an ideal solution for immunity testing and capable of generating a high fields at lower frequencies. The Biconical antenna has a unique balun design an ideal for IEC 1000-4-3 testing or any other immunity testing. The rugged design of this biconical antenna has an impedance transformation and matching circuit capable of handling 2000 Watts. This Biconical antenna is a versatile performer for all your compliance testing needs.

### Recommended Accessories

- ATU-510 (Antenna Tripod, Wooden)
- AEH-510 (Azimuth and Elevation Head)
- SAC-213 (3 Meter N/N Cable)



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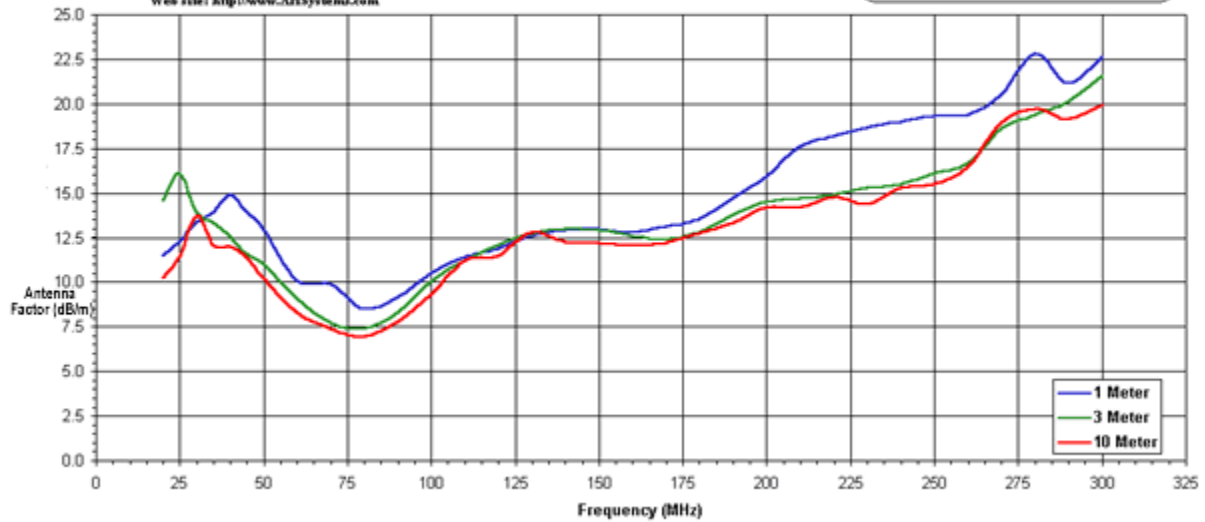


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## Antenna Factor High Powered Biconical Antenna Model SAS-543

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



### Physical Dimensions:

Height: 17 in. (43.2 cm)

Width: 52.5 in. (133 cm)

Weight: 6.0 lb.'s (2.72 kg)