



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

9710 Cozycroft Ave.  
Chatsworth, CA 91311

Tel: (818) 998-0223  
Fax: (818) 998-6892

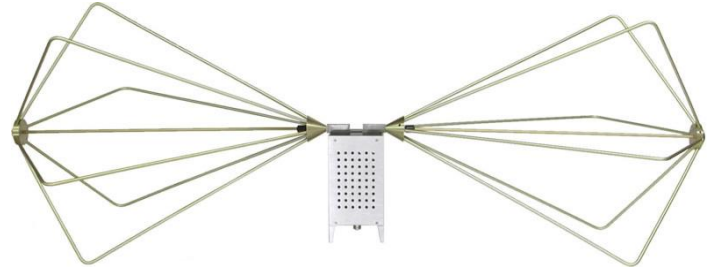
◆ sales@AHSystems.com  
◆ www.AHSystems.com



## 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: 1 KW

Max Peak Power: 2 KW

Max Radiated Field: 200 V/m (80 MHz – 200 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 field 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 up to 2 KW peak power. This Biconical antenna is a versatile performer for all your compliance testing needs.

### Recommended Accessories

- ATU-514 (Antenna Tripod)
- AEH-510 (Azimuth and Elevation Head)
- SAC-213 (3 Meter N/N Cable)

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EMC Antennas and more





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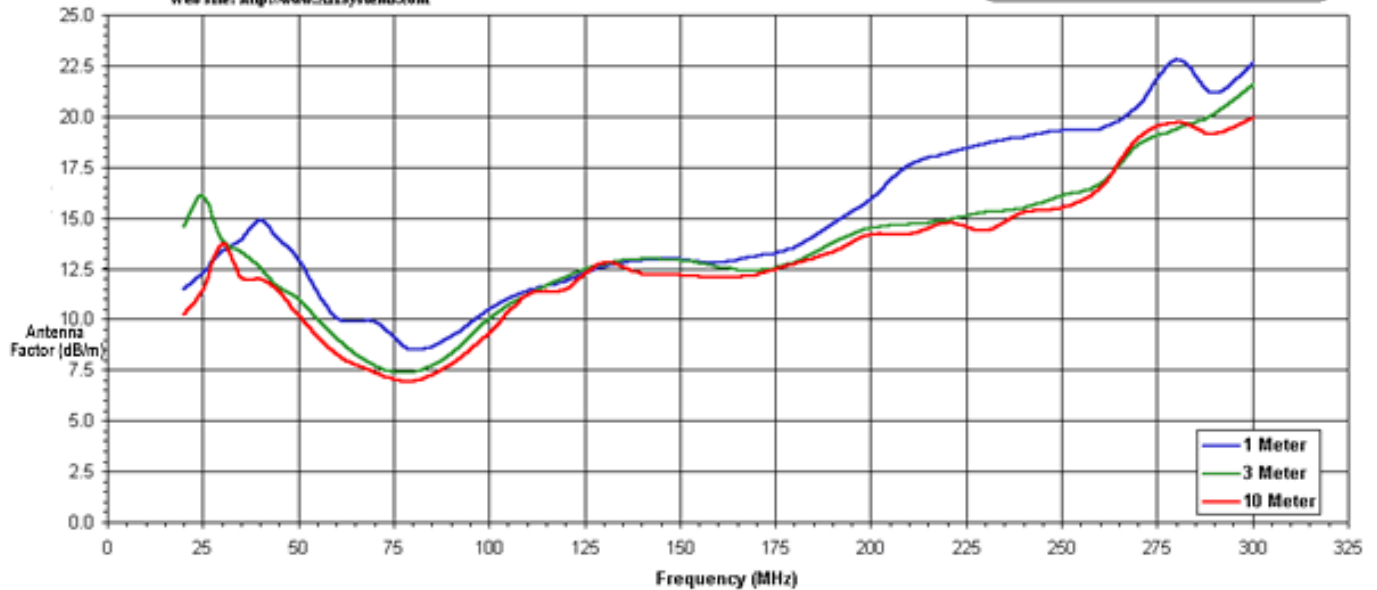


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### Antenna Factor High Powered Biconical Antenna Model SAS-543

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



### Physical Dimensions:

Height: 17 in. (43.2 cm)  
Width: 52.5 in. (133 cm)  
Weight: 6.0 lb.'s (2.72 kg)

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.

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