



## A.H. Systems, Inc.

9710 Cozycroft Ave.  
Chatsworth, CA 91311



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## SAS-540

### Biconical Antenna

20 MHz – 330 MHz

This Biconical antenna will provide reliable, repeatable measurements. An ideal solution and a standard workhorse of any EMC test house for compliance testing.



Frequency Range: 20 MHz - 330 MHz

Antenna Factor: 8.5 to 21.5 dB

Gain: -22 to 2.8 dBi

Maximum Continuous Power: 1 Watt

Max Radiated Field: 2 V/m

Pattern Type: omni-directional

Impedance: 50  $\Omega$

VSWR: 2.0:1

Connector: N-Type, female

Mounting: ABC-B (included)

### Features

- Frequency Range of 20 MHz to 330 MHz
- Receive and Transmit
- Individually Calibrated (1, 3 and 10 Meter calibration included, horizontal polarization)
- Rugged Construction
- Three Year Warranty

The A.H. Systems SAS-540 Biconical antenna operates efficiently over the frequency range of 20 MHz to 330 MHz. Compact in size, this Biconical Antenna is an ideal for use in a shielded room or anechoic chamber. The antenna balun is designed using an unbalanced to balanced transformer for improved linearity response and is the standard workhorse of any EMC compliance test house.

### Recommended Accessories

- ATU-510 (Antenna Tripod, Wooden)
- AEH-510 (Azimuth and Elevation Head)
- PAM-0202 (30 dB Pre-amplifier)



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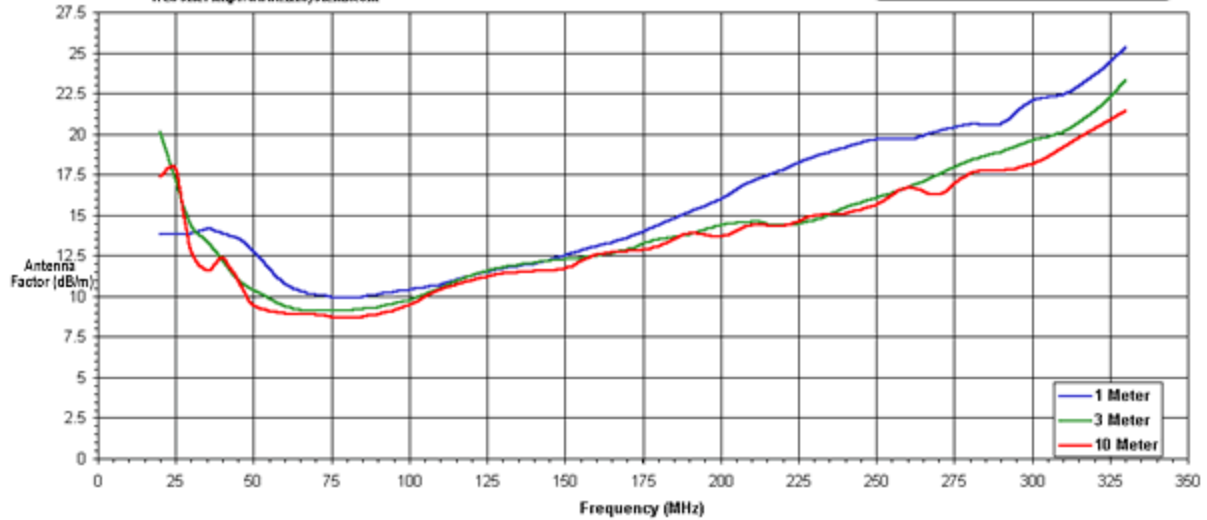


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### Antenna Factor Biconical Antenna Model SAS-540

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



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### VSWR Model: SAS-540

