



## 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-563B

### Active Shielded Loop Antenna

1 KHz – 30 MHz

This 12" Broadband loop antenna with preamplifier is an excellent solution for magnetic field testing.



Frequency Range: 1 kHz - 30 MHz

Impedance: 50  $\Omega$

Connector: BNC, Female

Mounting Base: 1/4 x 20 Thread, Female

### Features

- Broad Frequency Range of 1 KHz to 30 MHz
- Individually Calibrated (Calibration included per IEEE-291)
- Battery Powered, High sensitivity
- Three Year Warranty

A.H. Systems' designs, manufactures and delivers high performance Loop Antennas for a wide range of magnetic field testing. Whether used in a set to measure shielding effectiveness per MIL-STD 285 and NSA 65-6, or individually to satisfy specific requirements, the Loop Antenna is an efficient, low cost solution.

### Recommended Accessories

- SAS-563P (Passive 12" loop Antenna)
- ATU-510 (Antenna Tripod, wooden)
- AEH-510 (Azimuth and Elevation Head)



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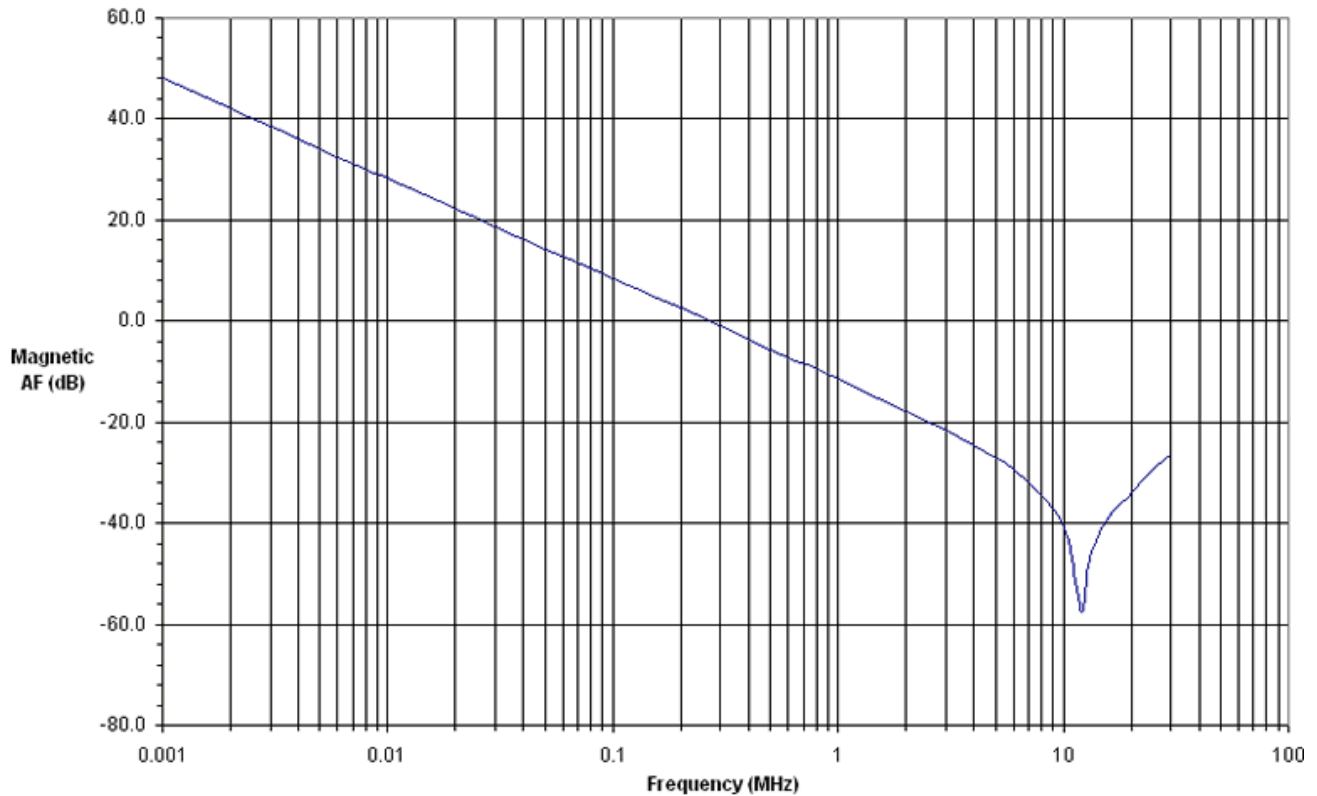


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**Magnetic Corection Factor**  
**12" Loop Antenna**  
**Model: SAS-563B**

**Correction Factors**  
Assumed E-field for  
shielded loops

$\text{dB}\mu\text{A/m} = \text{dB}\mu\text{V} + \text{AF}$   
 $\text{dB}\mu\text{V/m} = \text{dB}\mu\text{A/m} + 51.5$



### **Physical Dimensions**

Loop Diameter: 12 in. (30.5 cm)

Weight: 2.5 lb.'s (1.13 kg)