



## A.H. Systems, Inc.

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# EHA-51B

## Battery Operated Active Monopole and 12" Loop Antenna 1 KHz - 60 MHz

A.H. Systems EHA-51B Antenna is an active, general-purpose, receive-only monopole and loop antenna for magnetic and electric field testing.



Frequency Range: 1 KHz – 60 MHz  
Impedance: 50  $\Omega$   
Output Connector: BNC-Type, female  
Mounting Base:  $\frac{1}{4}$  - 20 Thread, female

### **Physical Dimensions**

Ground Plane Dimensions: 18" x 18" (45.7 cm x 45.7 cm)  
Height with Rod: 41 in. (104 cm)  
Height with Loop: 16.8 in. (42.7 cm)  
Weight: 5.5 lb.'s (2.5 kg)

### **Features**

- Broad Frequency Range of 1 kHz to 60 MHz
- High Sensitivity
- Individually Calibrated
- MIL-STD, VDE and TEMPEST Testing
- Compact & Lightweight
- Battery Operated for Enhanced Portability

The A.H. Systems EHA-51B Antenna is an active, general-purpose, receive-only antenna that covers 1 KHz - 60 MHz.

As an Active Monopole antenna it is ideal for instantaneous bandwidth scanning (without tuning) of electric fields in its frequency range and can drive any receiver with 50-ohm input impedance.

The EHA-51B is also an active receive only loop antenna for magnetic field testing. It is suitable for MIL-STD, VDE, and TEMPEST testing, with reliable, repeatable measurements.

### **Included equipment**

- Switchable Preamplifier/matching network
- 12" shielded Loop antenna
- Telescoping Rod Antenna
- Battery Charger
- ADP-201 BNC(f) to N(m) Adapter

### **Recommended Accessories**

- SAC-212 (3 meter BNC/N Cable, RG-58)
- ATU-510 (Antenna Tripod Unit, wooden)
- AEH-510 (Azimuth and Elevation Head, Plastic)



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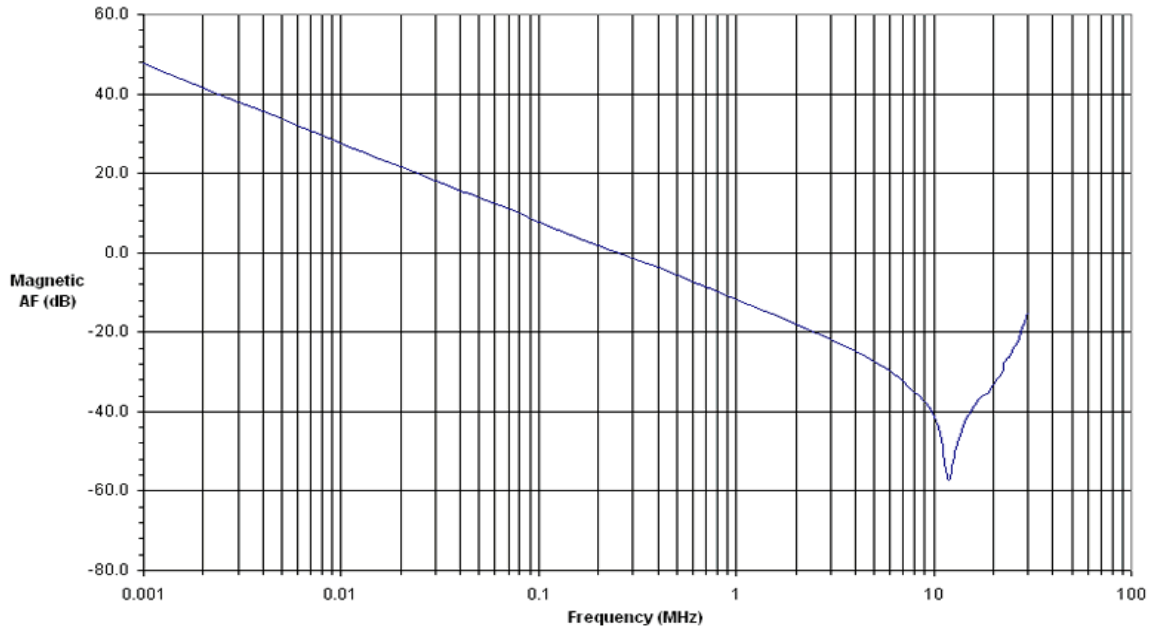
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**Magnetic Correction Factor**  
12 inch Loop Antenna  
Model: EHA-51B



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**Antenna Correction Factor**  
Monopole Antenna  
Model: EHA-51B

