



A.H. Systems, Inc.

9710 Cozycroft Ave.
Chatsworth, CA 91311



Tel: (818) 998-0223



sales@AHSystems.com

Fax: (818) 998-6892



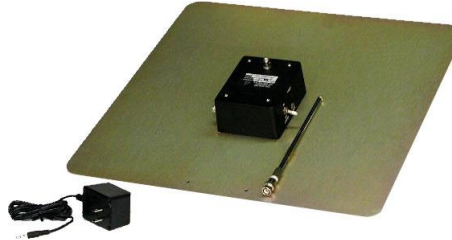
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SAS-550-1B

Active Monopole Antenna

9 KHz – 60 MHz

A.H. Systems Active Monopole Antenna is an active, general-purpose, receive-only monopole antenna.



Frequency Range: 9 kHz - 60 MHz

Antenna Factor: 0 dB

Impedance: 50 Ω

Pattern Type: omni-directional

Connector: BNC-Type, female

Mounting Base: 1/4 - 20 Thread, female

Features

- Frequency Range of 9 KHz to 60 MHz
- Receive and Transmit
- Individually Calibrated (ANSCI C63.5, IEEE-291 ECSM)
- Battery Powered, High Sensitivity
- Three Year Warranty

The A.H. Systems Active Monopole Antenna is an active, general-purpose, receive-only antenna that covers 9 KHz - 60 MHz frequency range. 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. This antenna is an ideal solution to perform FCC, MIL-STD and TEMPEST tests. The SAS-550-1B comes with a telescoping rod, ground plane, high impedance matched preamplifier and battery charger. This active monopole 104cm rod antenna has a signal output connector is electrically bonded to the matching network case per MIL-STD 461F.

Recommended Accessories

- ATU-510 (Antenna Tripod, Wooden)
- AEH-510 (Azimuth and Elevation Head)
- ECF-10 (Capacitance Calibration Fixture)
- P/N: 2236-24 24" x 24" (61 cm x 61 cm) Ground Plane



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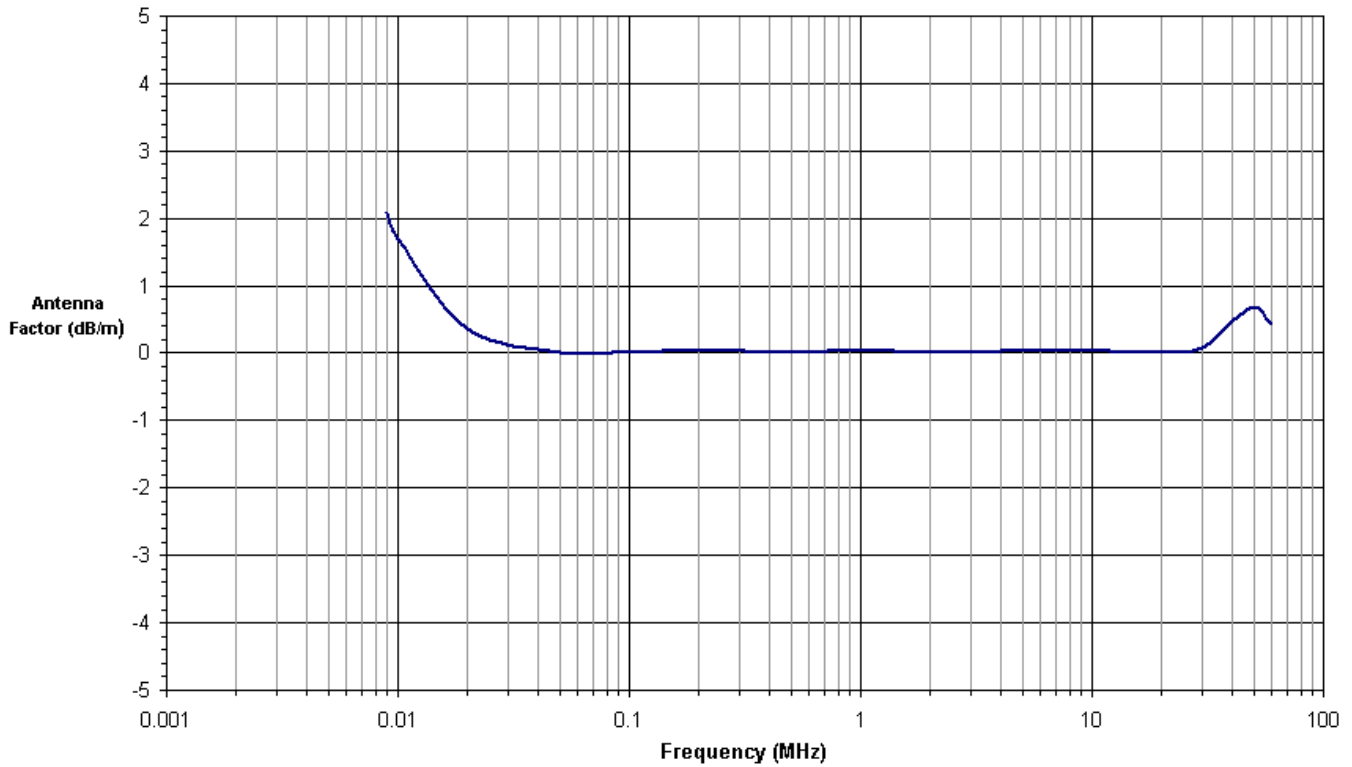
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Active Monopole Antenna Antenna Factor Model SAS-550-1B

Active Monopole Conversion Formula:

$$dB_{\mu V/m} = dB_{\mu V} + AF(dB/m) + \text{cable loss}$$



Physical Dimensions:

Ground Plane Dimensions:	18 in. X 18 in. (45.7 cm x 45.7 cm) Optional 24" (60cm) is available
Rod Length:	8.5 in. - 43 in. (21.6 cm x 109.2 cm)
Weight:	4.7 lb.'s (2.13 kg)