



## A.H. Systems, Inc.

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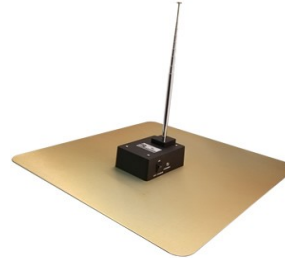
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# SAS-550-1B

## 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  $\Omega$  (output port)

Pattern Type: omni-directional

Output Connector: BNC-Type, female

Batteries: 12V<sub>DC</sub> NiMH 2000mAh

Average Battery Life: 16 hours (fully charged new battery)

Mounting Base: 1/4-20 Thread, female

### Features

- Frequency Range of 9 KHz to 60 MHz
- Individually Calibrated (ANSI 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-10K (Capacitance Calibration Fixture)
- P/N: 2236-24 24" x 24" (61 cm x 61 cm) Ground Plane



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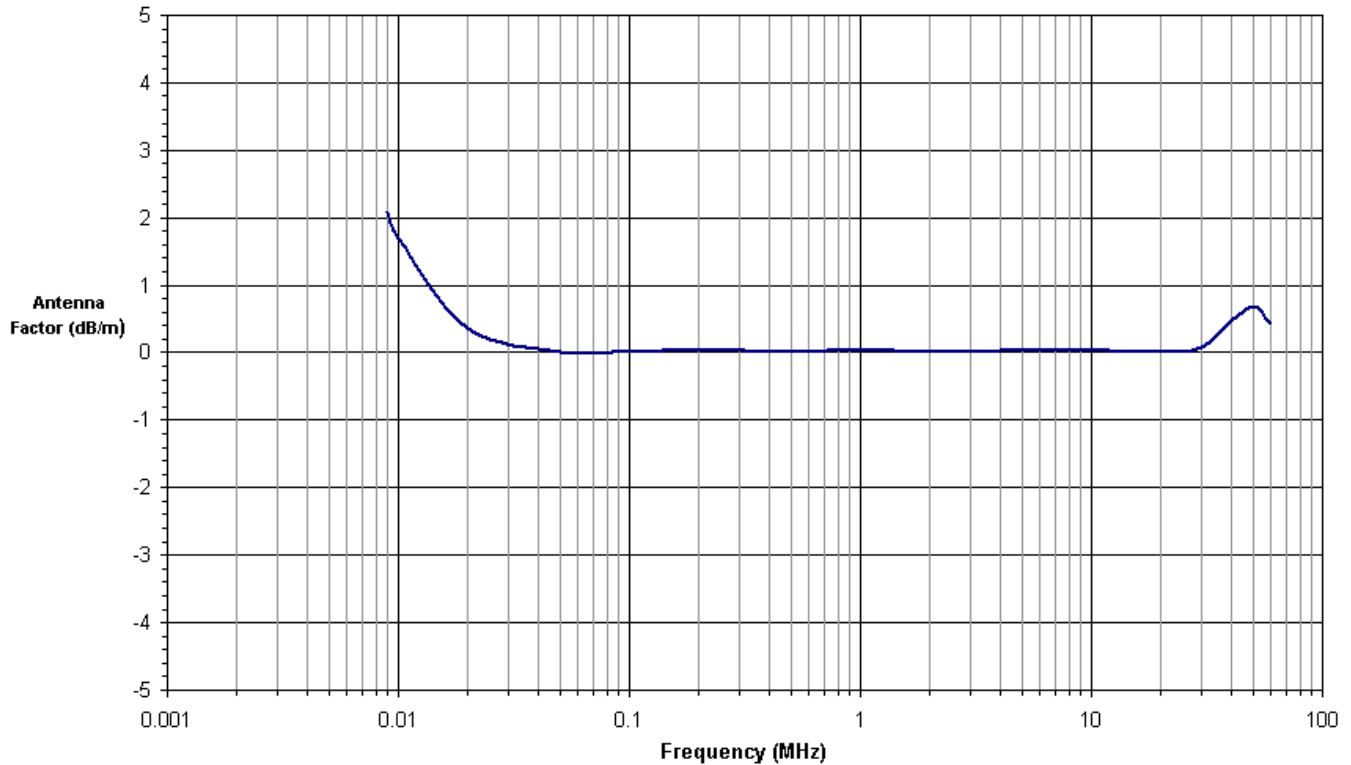
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### Active Monopole Antenna Antenna Factor Model SAS-550-1B

Active Monopole Conversion Formula:

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



### 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)