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 (output port)
Pattern Type: omni-directional
Output Connector: BNC-Type, female
Batteries: 12V_{dc} NiMH 2000mAh
Average Battery Life: 16 hours (fully charged new battery)
Mounting Base: ¼-20 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
**Physical Dimensions:**

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

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**Active Monopole Antenna**

**Antenna Factor**

Model SAS-550-1B

**Active Monopole Conversion Formula:**

\[ dBV/m = dBV + AF(dB/m) + \text{cable loss} \]