



A.H. Systems, Inc.

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SAS-544

High Field Biconical Antenna

20 MHz – 300 MHz

This Biconical antenna has a coaxial wound balun that can handle High fields of RF energy.



Frequency Range: 20 MHz - 300 MHz

Antenna Factor: 6 to 21 dB

Gain: -23 to 2.8 dBi

Maximum Continuous Power: 300 Watts

Max Radiated Field: 20 V/m

Pattern Type: omni-directional

Impedance: 50 Ω

Connector: N-Type, female

Mounting Base: 1/4 - 20 Thread, female

Features

- Frequency Range of 20 MHz to 300 MHz
- Receive and Transmit
- Individually Calibrated (1, 3 and 10 Meter calibration included, horizontal polarization)
- Rugged Construction
- Three Year Warranty

The SAS-544 Biconical Antenna is designed with a coaxial wound balun for increased power capability and intended for both transmitting and receiving high electromagnetic RF fields. This Biconical antenna may be used for radiating immunity measurements. Whether testing in a shielded enclosure, or outdoors, the rugged construction of the A.H. Systems Biconical antenna will ensure long life, and reliable performance.

Recommended Accessories

- ATU-514 (Antenna Tripod)
- AEH-510 (Azimuth and Elevation Head)
- SAC-213 (3 meter N/N Cable, RG-58A/U)



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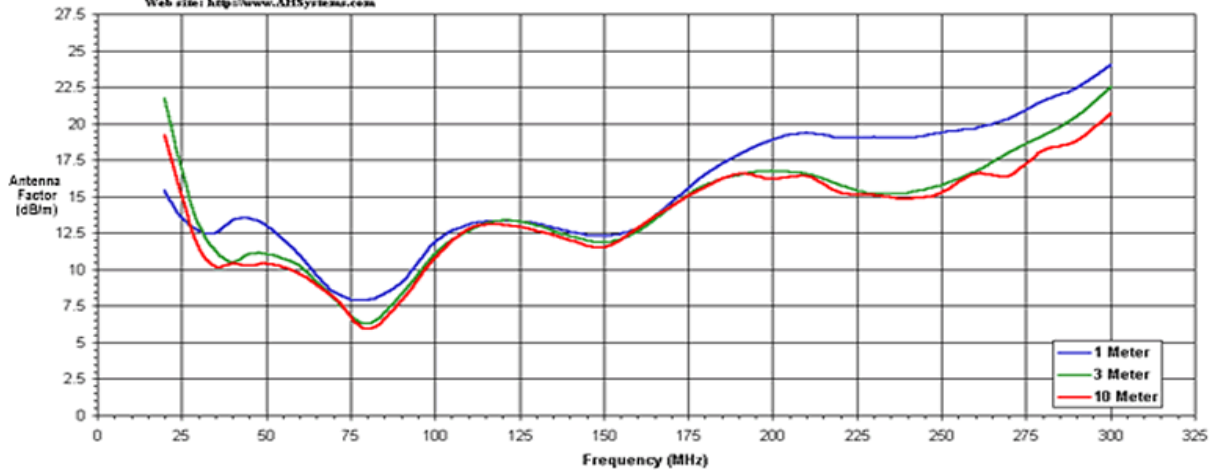
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Antenna Factor High Field Biconical Antenna Model SAS-544

Conversion of meter reading
to field strength:
 $\text{dBuV/m} = \text{dBuV} + \text{AF} + \text{cable loss}$



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Antenna VSWR Model: SAS-544

