



A.H. Systems, Inc.

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SAS-544F

High Field Biconical Antenna, Folding
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: ¼ - 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-544F Folding Biconical Antenna was the first EMC antenna designed for portable compliance testing applications. This Biconical Antenna is designed with a coaxial wound balun for increased power capability and intended for both transmitting and receiving high electromagnetic RF fields. For rapid deployment, along with the mobility of a small package, the Folding Biconical elements can be closed similar to an umbrella allowing the antenna to be contained in an optional transit storage case. 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-510 (Antenna Tripod, Wooden)
- AEH-510 (Azimuth and Elevation Head)



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Antenna Factor High Field Biconical Antenna Model SAS-544

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

