



A.H. Systems, Inc.

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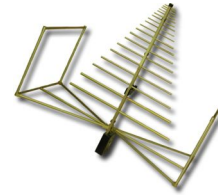


www.AHSystems.com

SAS-521-7

Biological Antenna

25 MHz - 7 GHz



Simplify compliance testing with this hybrid antenna. This Biological antenna provides an inexpensive solution for broadband applications.

Frequency Range:	25 MHz - 7000 MHz
Gain:	6 dBi
Maximum Continuous Power:	1000 Watts
Impedance:	50 Ω
Max Radiated Field:	300 V/m
Connector:	N-Type, female
Mounting Base:	1/4 - 20 Thread, female

Physical Dimensions

Height:	22.2 in. (56.4 cm)
Width:	38.5 in. (97.8 cm)
Length:	39.0 in. (99.1 cm)
Weight:	4.5 lb.'s (2.04 kg)

Features

- Hybrid Log Periodic - Biconical Antenna
- Wide Frequency Range of 25 MHz - 7000 MHz
- Receive and Transmit
- Individually Calibrated (1, 3 and 10 Meter calibration included, horizontal polarization)
- FCC, MIL-STD, VDE and TEMPEST Testing
- Rugged Construction

The A.H. Systems' SAS-521-7 Biological Antenna is one of our latest antennas, providing an inexpensive solution for broadband testing applications. Whether testing inside a shielded enclosure or outdoors, this antenna will display efficient performance characteristics through the frequency range of 25 MHz to 7000 MHz.

Recommended Accessories

- PAM-0207 (Preamplifier)
- SAC-211 (3 meter N/N Cable, RG-214U)
- BTE-510 (Biological Tripod Extension)
- ATU-510 (Antenna Tripod Unit, wooden)
- AEH-510 (Azimuth and Elevation Head, Plastic)



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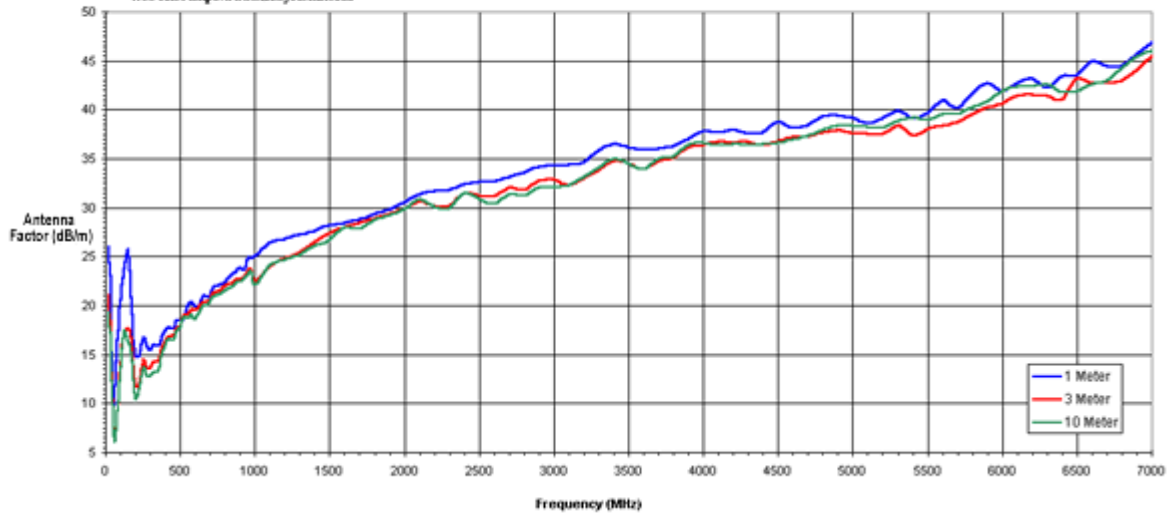


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Antenna Factor
Biological Antenna
Model: SAS-521-7

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



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VSWR
Biological Antenna
Model SAS-521-7

Average VSWR 1.68

