



A.H. Systems, Inc.

9710 Cozycroft Ave.
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AK-521F-4

Biological Antenna Kit

25 MHz - 4 GHz

For rapid deployment along with the mobility of small package, this Biological Antenna Kit provides an inexpensive solution to broadband applications.



Frequency Range:	25 MHz - 4 GHz
Gain:	6 dBi
Maximum Continuous Power:	400 Watts
Impedance:	50 Ω
Max Radiated Field:	100 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:	38.3 in. (97.3 cm)
Weight:	4.5 lb.'s (2.04 kg)

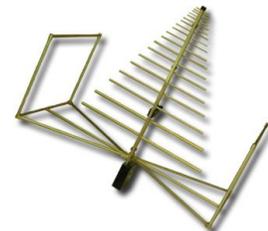
Features

- Hybrid Log Periodic - Biconical Antenna
- Wide Frequency Range of 25 MHz - 4 GHz
- 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-521F-4 Biological Antenna is one of our latest antennas, providing an inexpensive solution to wide band applications. Whether testing inside a shielded enclosure or outdoors, this antenna will display efficient performance characteristics through the frequency range of 25 MHz to 4 GHz.

Included equipment

Model Number	Frequency Range	Description
SAS-521F-4	20 MHz – 4 GHz	Folding Biological Antenna
SAC-213	up to 5 GHz	3 Meter N-N cable
BTE-510	--	Biological Tripod Extension
TSC-521	--	Antenna Transit Storage Case
Case size: 28" x 23" x 10" (71cm x 58cm x 25cm)		
Kit weight: 26 lbs. (11.8kg)		



Recommended Accessories

- PAM-0204 (Pre-amplifier)
- SAC-211-0.5 (0.5 meter N/N Cable)
- BTE-510 (Biological Tripod Extension)
- ATU-510 (Antenna Tripod Unit, wooden)
- AEH-510 (Azimuth and Elevation Head, Plastic)



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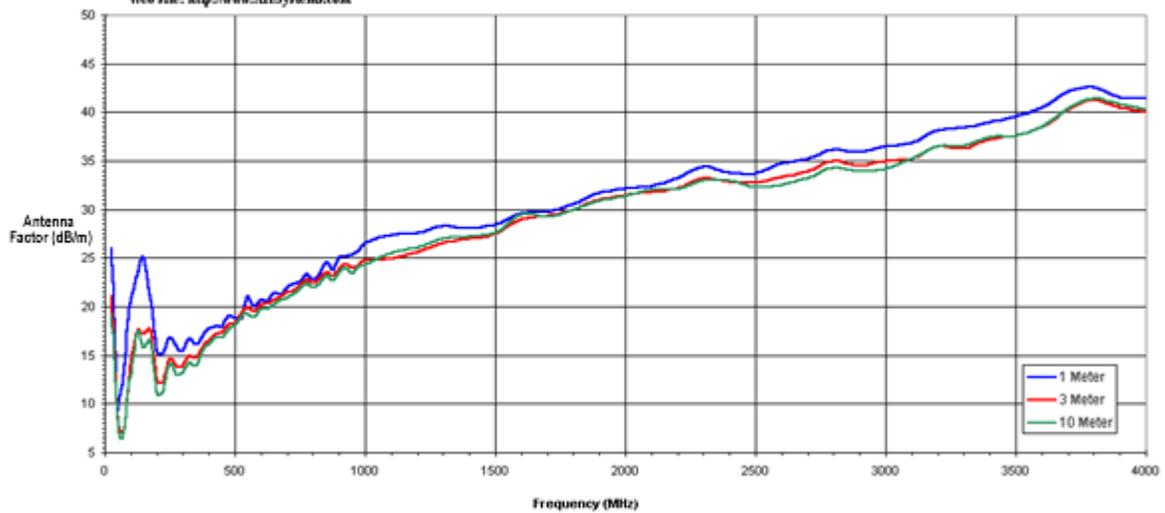
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Antenna Factor
Biological Antenna, Folding
Model: SAS-521F-4

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-521F-4

Average VSWR 1.45

