



## 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:	¼ - 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

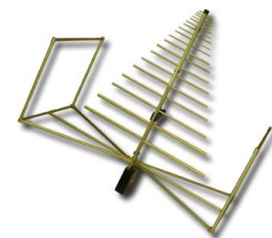
The A.H. Systems' SAS-521F-4 Biological Antenna is one of our latest antennas, providing an inexpensive solution to wide band applications. Whether testing inside a shielded enclosure or outdoors, this antenna will display efficient performance characteristics through the frequency range of 25 MHz to 4 GHz.

### Included equipment

Model Number	Frequency Range	Description
SAS-521F-4	25 MHz – 4 GHz	Folding Biological Antenna
SAC-213	up to 5 GHz	3 Meter N-N cable
BTE-510	--	Biological Tripod Extension
TSC-521F	--	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)
- ATU-514 (Antenna Tripo)
- AEH-510 (Azimuth and Elevation Head, Plastic)



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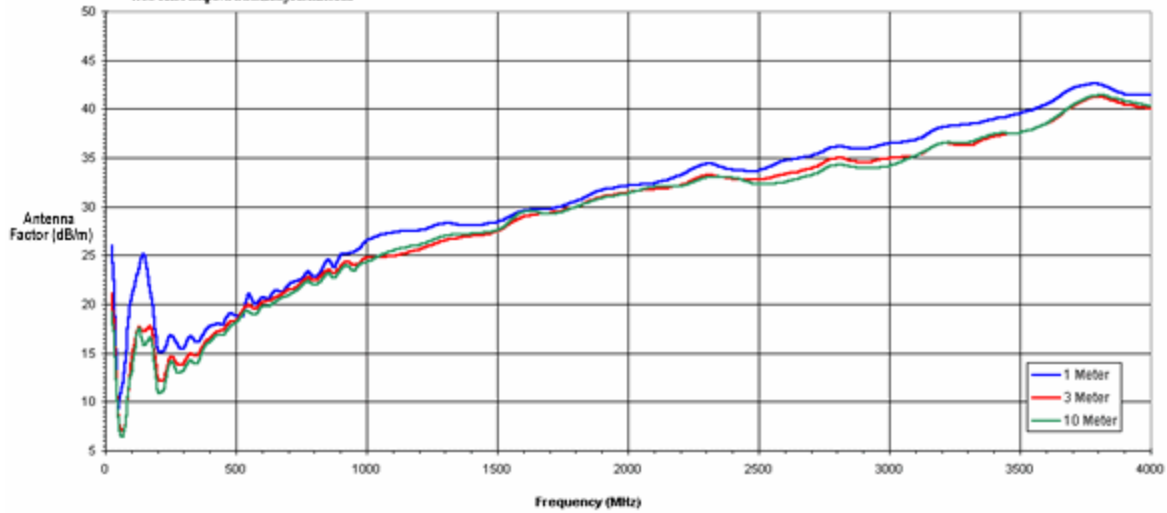


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Antenna Factor  
Biological Antenna, Folding  
Model: SAS-521F-4

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



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VSWR  
Biological Antenna  
Model: SAS-521F-4

