



## A.H. Systems, Inc.

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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 $\Omega$             |
| 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                                      | 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-510 (Antenna Tripod Unit, wooden)
- AEH-510 (Azimuth and Elevation Head, Plastic)



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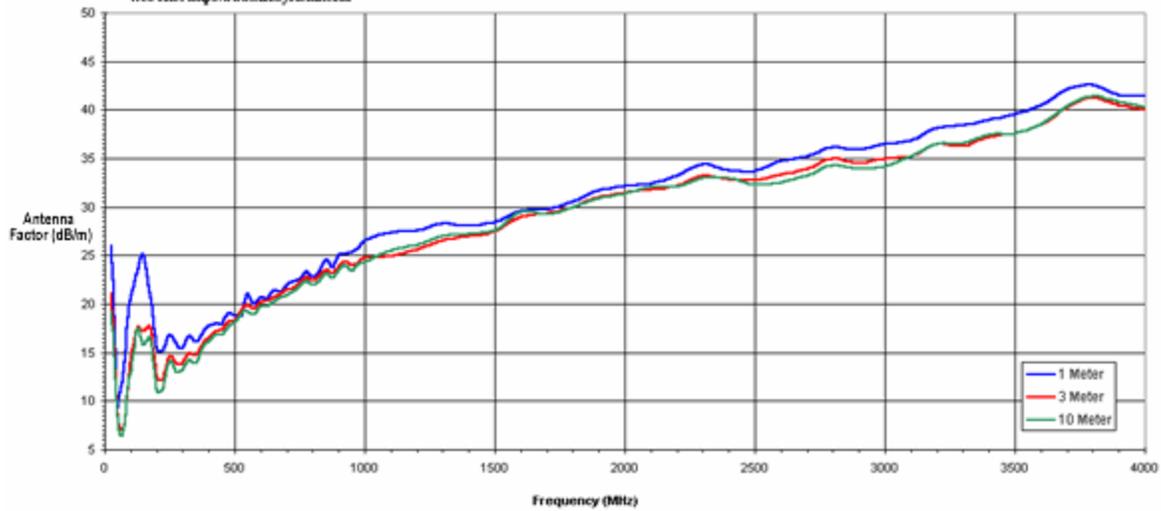


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Antenna Factor  
Biological Antenna, Folding  
Model: SAS-521F-4

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



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VSWR  
Biological Antenna  
Model: SAS-521F-4

