AK-521F-2
Bilogical Antenna Kit
25 MHz - 2 GHz

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

Frequency Range: 25 MHz - 2 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: 37.3 in. (94.7 cm)
Weight: 4.5 lb.’s (2.04 kg)

Features
- Hybrid Log Periodic - Biconical Antenna
- Wide Frequency Range of 25 MHz - 2 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-2 Bilogical 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 2 GHz.

Included equipment

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Frequency Range</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>SAS-521F-2</td>
<td>20 MHz – 2 GHz</td>
<td>Folding Bilogical Antenna</td>
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<tr>
<td>SAC-213</td>
<td>up to 5 GHz</td>
<td>3 Meter N-N cable</td>
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<tr>
<td>BTE-510</td>
<td>--</td>
<td>Bilogical Tripod Extension</td>
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<td>TSC-521</td>
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<td>Antenna Transit Storage Case</td>
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Case size: 28" x 23" x 10" (71cm x 58cm x 25cm)
Kit weight: 26 lbs. (11.8kg)

Recommended Accessories
- PAM-0202 (Preamplifier)
- SAC-213-0.5 (0.5 meter N/N Cable)
- ATU-510 (Antenna Tripod Unit, wooden)
- AEH-510 (Azimuth and Elevation Head, Plastic)
A.H. Systems Inc.
9710 Cozy Crest Ave.
Chatsworth, CA 91311

Tel: (818) 998-0223  ◆ sales@AHSystems.com
Fax: (818) 998-6892  ◆ www.AHSystems.com

Antenna Data
Model SAS-621F-2

Conversion of meter reading to field strength:

\[ \text{dBA/m} = \text{dBA/V} + \text{AF} + \text{cable loss} \]

Antenna Factor (dBA/m)

Frequency (MHz)

![Antenna Data Graph](image1)

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VSWR
Bilogical Antenna
Model: SAS-621F-2

VSWR

Frequency (MHz)

![VSWR Graph](image2)