



## A.H. Systems, Inc.

9710 Cozycroft Ave.  
Chatsworth, CA 91311



Tel: (818) 998-0223



sales@AHSystems.com

Fax: (818) 998-6892



www.AHSystems.com

## SAS-510-4

### Log Periodic Antenna

290 MHz – 4 GHz

This Broadband Log Periodic Antenna is an ideal solution for radiated emissions and normalized site attenuation.



Frequency Range: 290 MHz - 4000 MHz

Antenna Factor: 15 - 37 dB

Gain: 6.2 dBi

Maximum Continuous Power: 1000 Watts

Maximum Radiated Field: 200 V/m

Pattern Type: directional

3dB Beamwidth (E-Field): 41°

3dB Beamwidth (H-Field): 100°

Impedance: 50  $\Omega$

VSWR: 1.65:1 typ. (2.5:1 max)

Connector: N-Type, Female

Mounting Base: ¼ x 20 Thread, Female

### Features

- Frequency Range of 290 MHz to 4000 MHz
- Receive and Transmit
- Individually Calibrated (1, 3 and 10 Meter calibration included, horizontal polarization)
- Rugged Construction
- Three Year Warranty

The A.H. Systems' SAS-510-4 antenna is lightweight, compact and has been manufactured to ensure maximum gain, low VSWR and high power handling capabilities. Whether testing inside a shielded enclosure or outdoors, this antenna will display efficient performance characteristics through its frequency range.

### Recommended Accessories

- ATU-510 (Antenna Tripod, Wooden)
- AEH-510 (Azimuth and Elevation Head)
- PAM-0204 (22 dB Preamplifier)



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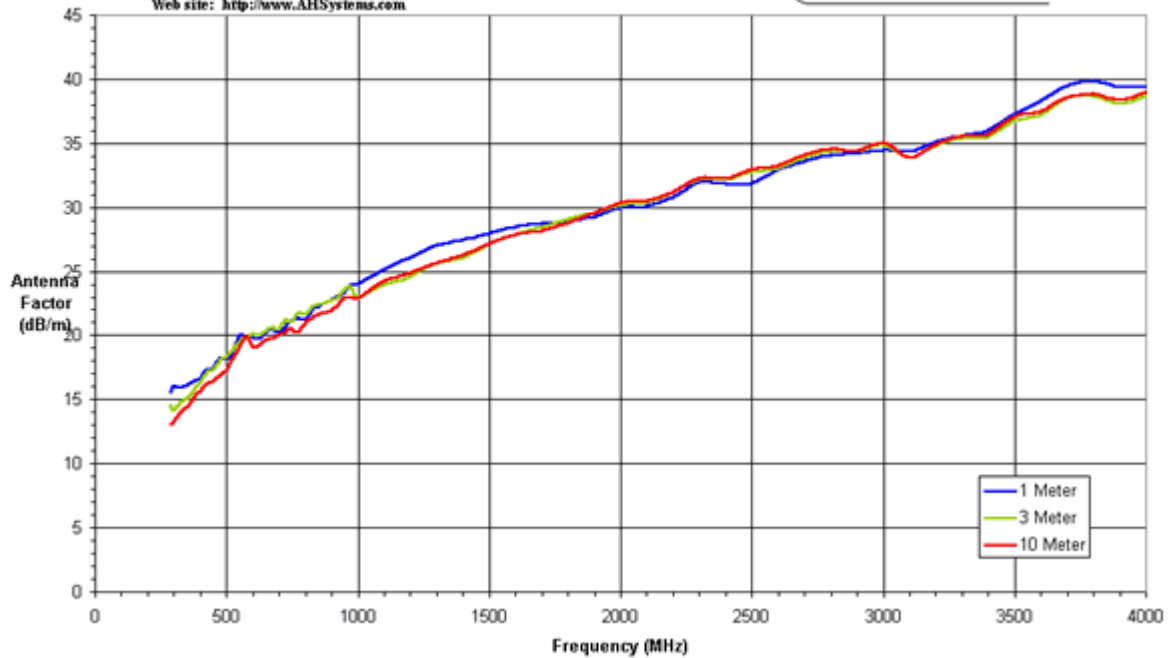
E-mail: [Info@AHSystems.com](mailto:Info@AHSystems.com)

Web site: <http://www.AHSystems.com>

Antenna Factor  
Model: SAS-510-4

Conversion of meter reading  
to field strength:

$$\text{dBuV/m} = \text{dBuV} + \text{AF} + \text{cable}$$



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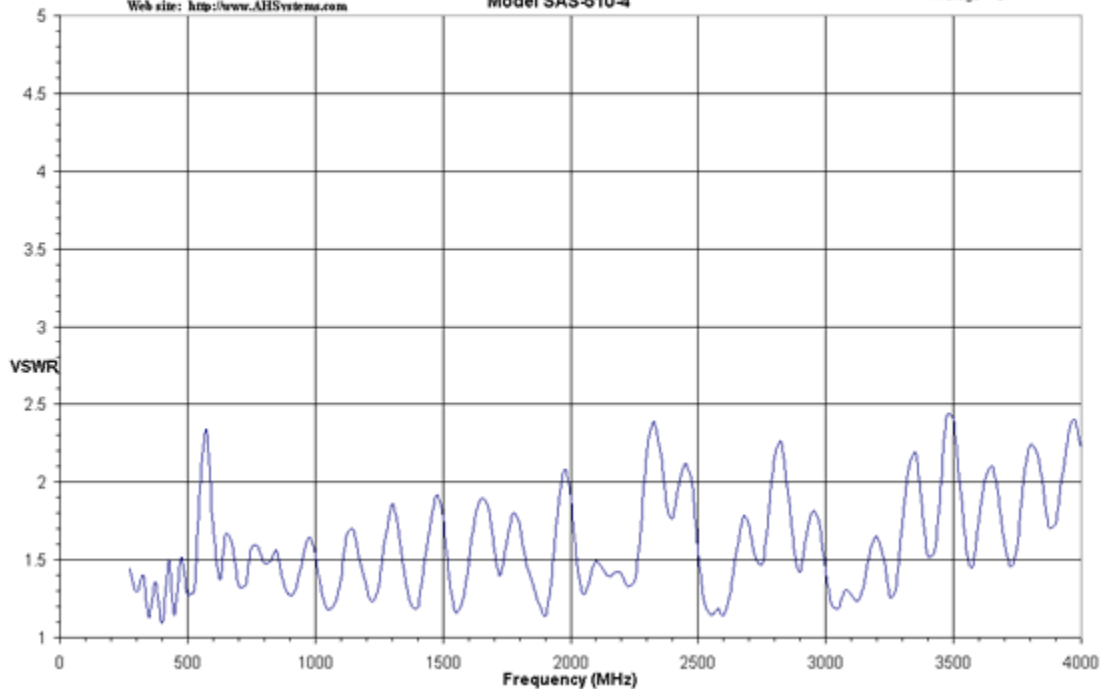
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VSWR  
Log Periodic Antenna  
Model SAS-510-4

Average VSWR





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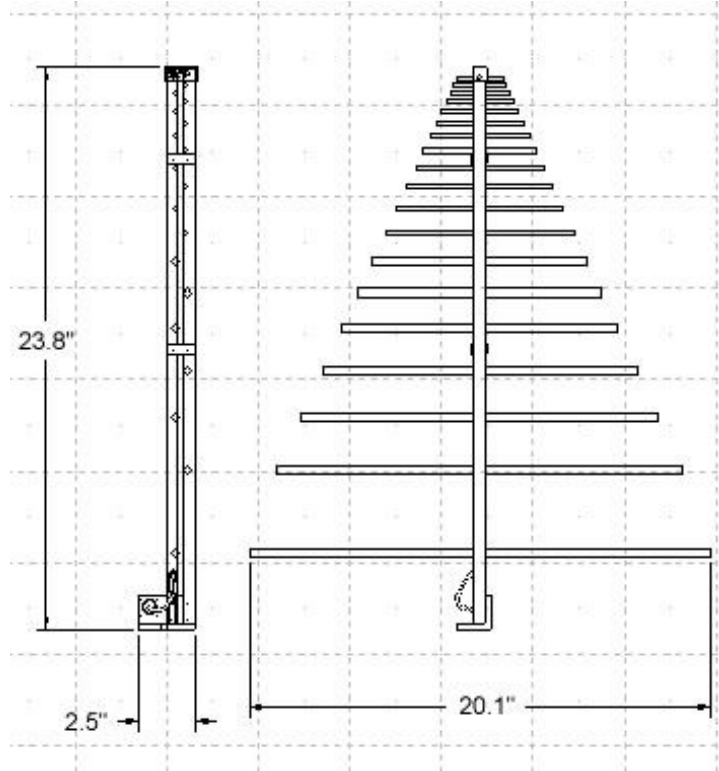
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**Physical Dimensions**

Length: 23.8 in. (60.4 cm)  
Width: 20.1 in. (51.1 cm)  
Weight: 1.5 lb.'s (0.68 kg)