



## A.H. Systems, Inc.

9710 Cozycroft Ave.  
Chatsworth, CA 91311



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Fax: (818) 998-6892



sales@AHSystems.com



www.AHSystems.com

## SAS-510-2

**Log Periodic Antenna**  
290 MHz – 2 GHz

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



Frequency Range: 290 MHz - 2000 MHz

Antenna Factor: 14 - 32 dB

Gain: 6.5 dBi

Maximum Continuous Power: 1000 Watts

Maximum Radiated Field: 200 V/m

Pattern Type: directional

3dB Beamwidth (E-Field): 45°

3dB Beamwidth (H-Field): 100°

Impedance: 50  $\Omega$

VSWR: 1.45:1 typ. (2.2:1 max)

Connector: N-Type, Female

Mounting Base: 1/4 x 20 Thread, Female

### Features

- Frequency Range of 290 MHz to 2000 MHz
- Receive and Transmit
- Individually Calibrated (1, 3 and 10 Meter calibration included, horizontal polarization)
- Rugged Construction
- Three Year Warranty

This Log Periodic Antenna is the standard workhorse of any EMC compliance test house. The SAS-510-2 has an excellent cross-polarization property that is required per CISPR 16-1 and greatly reduces measurement uncertainty. This Log Periodic Antenna is an ideal solution for radiated emissions and normalized site attenuation. Constructed of lightweight aluminum, this directional Log Periodic Antenna has been manufactured to ensure maximum gain, low VSWR and high power handling capabilities.

### Recommended Accessories

- ATU-510 (Antenna Tripod, Wooden)
- AEH-510 (Azimuth and Elevation Head)
- PAM-0202 (30 dB Preamplifier)



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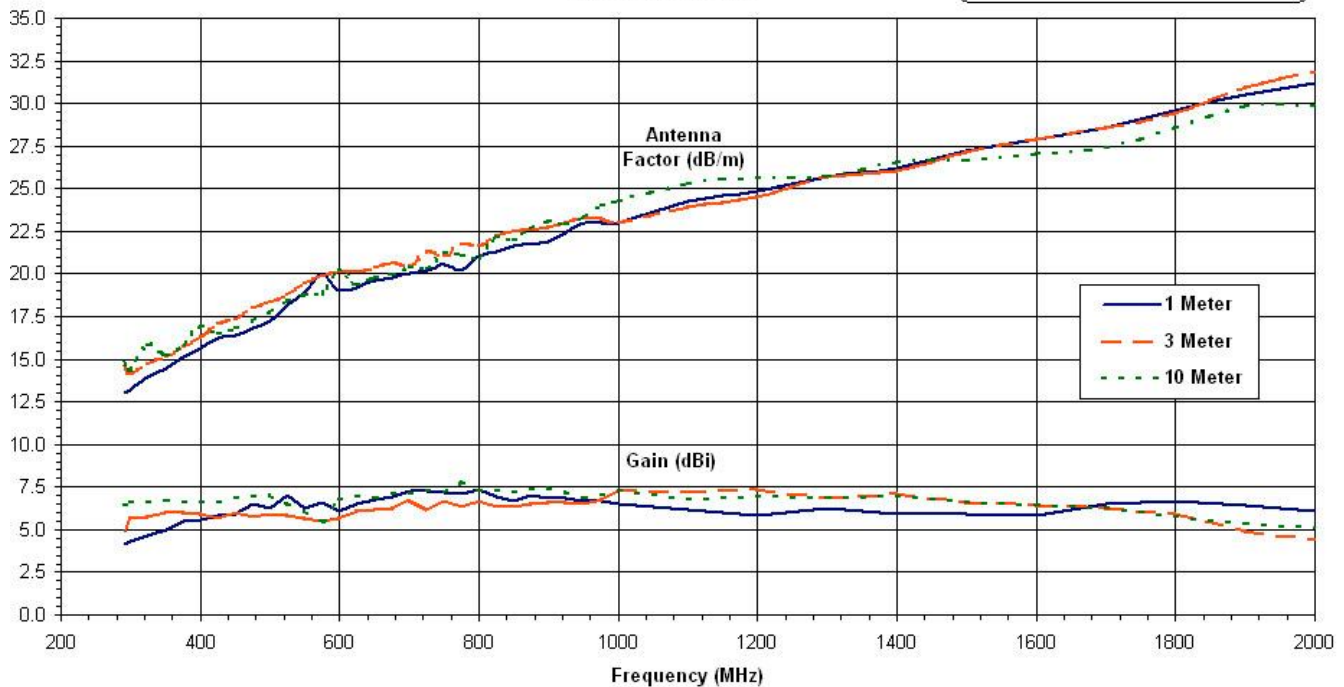
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**Antenna Data  
Log Periodic  
Model SAS-510-2**

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



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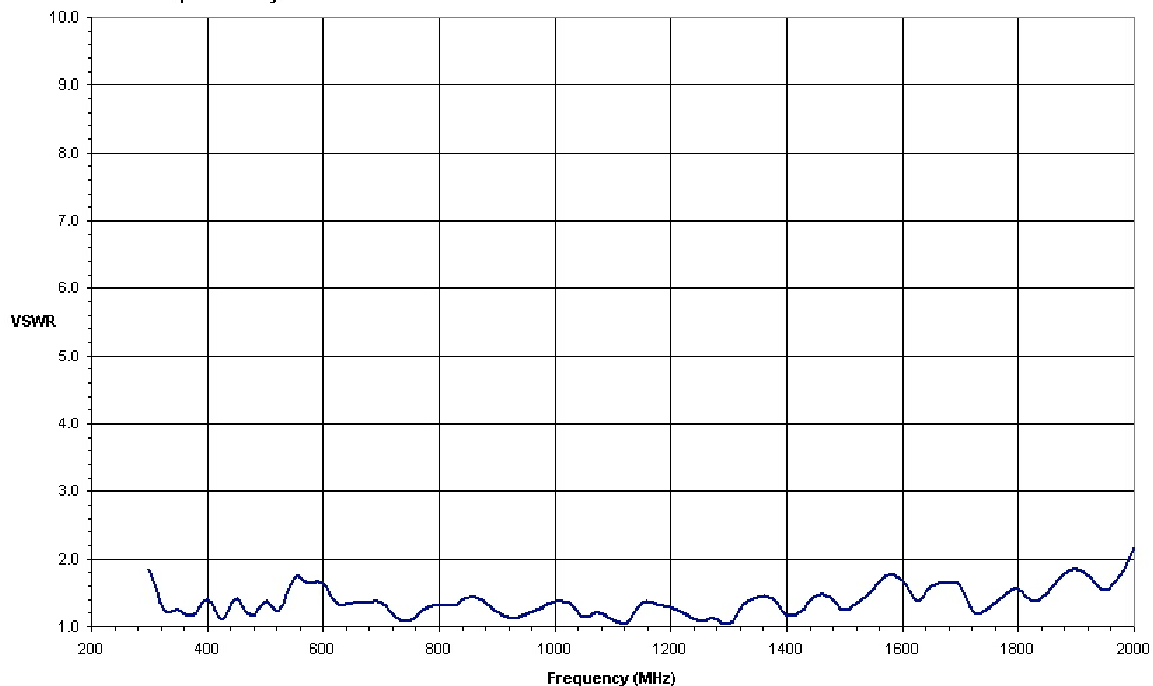
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**VSWR  
Log Periodic Antenna  
Model: SAS-510-2**





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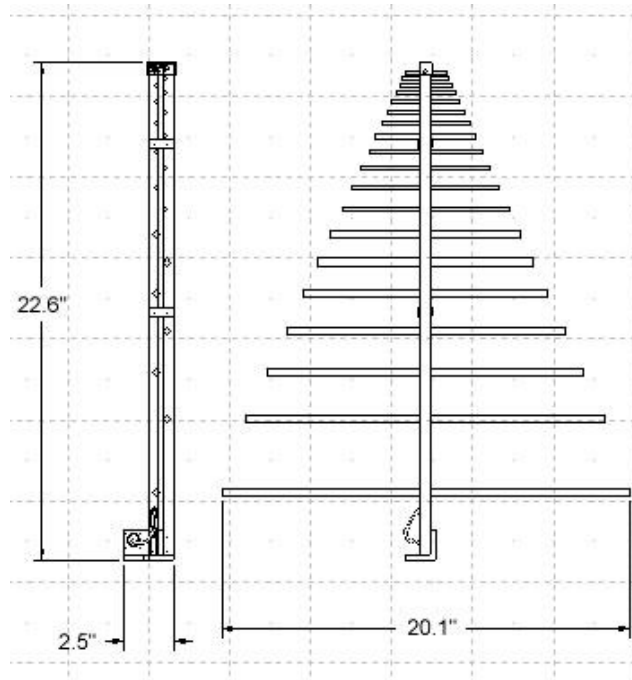
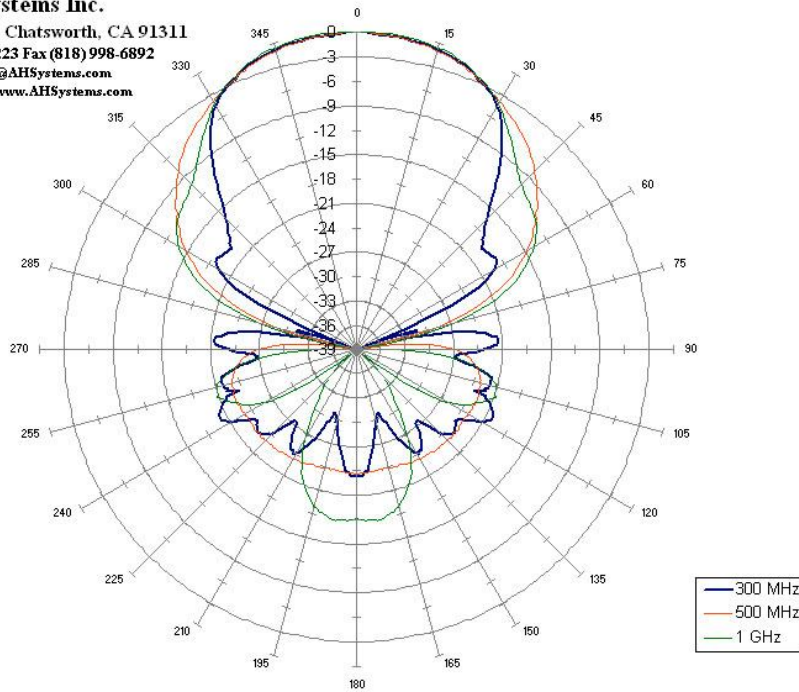
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**Antenna Beamwidth  
Horizontal Polarization  
Model: SAS-510-2**



### **Physical Dimensions**

Length: 22.6 in. (57.5 cm)

Width: 20.1 in. (51.1 cm)

Weight: 1.4 lb.'s (0.64 kg)