



## A.H. Systems, Inc.

9710 Cozycroft Ave.  
Chatsworth, CA 91311



Tel: (818) 998-0223



sales@AHSystems.com

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www.AHSystems.com

## SAS-510-7

**Log Periodic Antenna**  
290 MHz – 7 GHz

This extended range of this log periodic antenna is a cost-effective solution for higher frequency testing.



Frequency Range: 290 MHz - 7000 MHz

Antenna Factor: 15 - 47 dB

Gain: 5.8 dBi

Maximum Continuous Power: 1000 Watts

Maximum Radiated Field: 200 V/m

Pattern Type: directional

3dB Beamwidth (E-Field): 35°

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 7000 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-510-7 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-0207 (25 dB Preamplifier)



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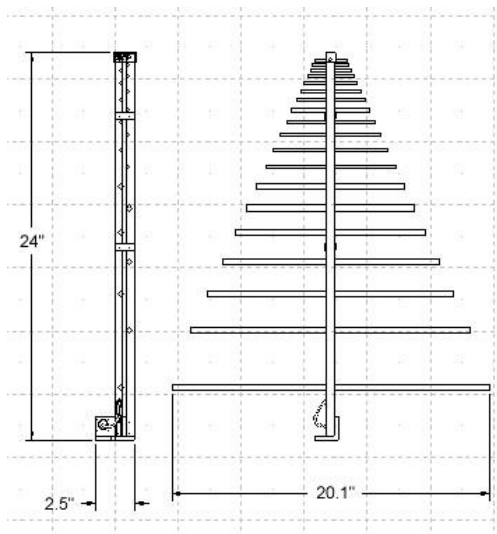
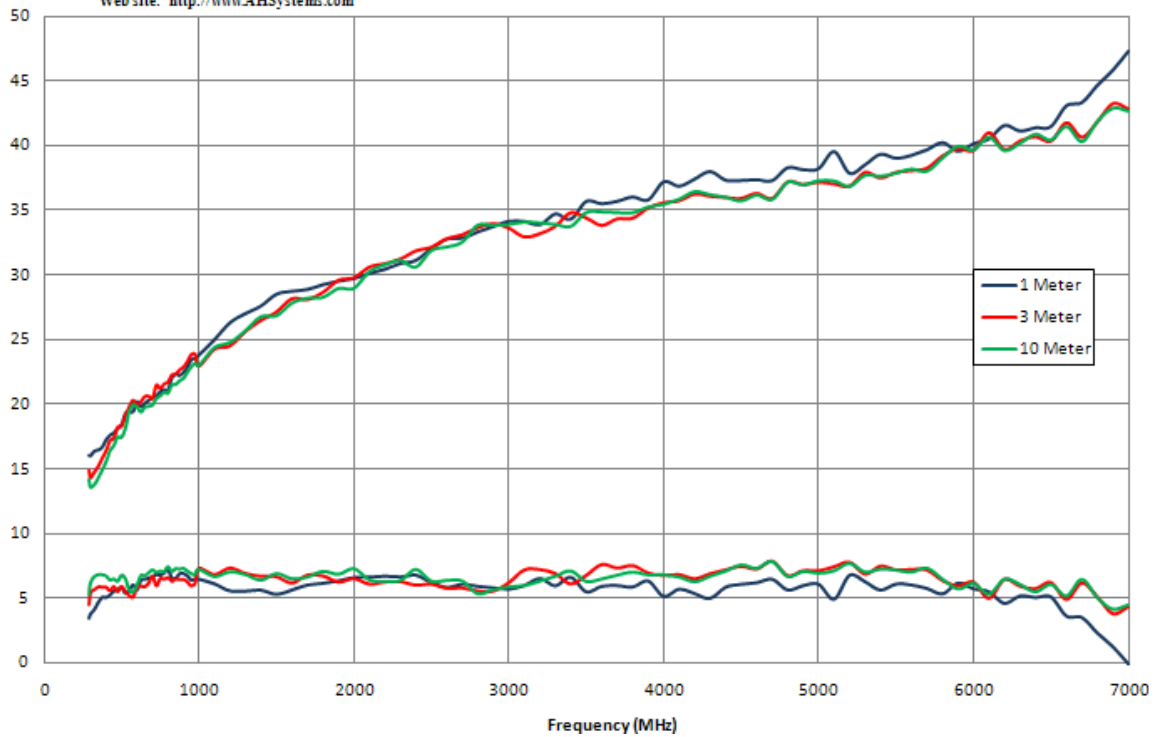
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Antenna Data  
Log Periodic Antenna  
Model: SAS-510-7

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



### Physical Dimensions

Length: 24 in. (61.2 cm)  
Width: 20.1 in. (51.1 cm)  
Weight: 1.4 lb.'s (0.64 kg)