SIGNAL ANTENNA SYSTEMS

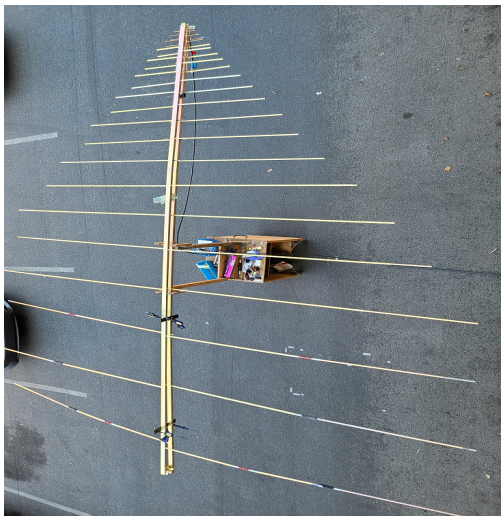
MODEL: SA LP20SD-19

Product Data Sheet

SA LP20SD-19 Log-Periodic Dipole Array Antenna: Designed for seamless connectivity across VHF and UHF frequencies (20 - 1000 Mhz) while maintaining consistent gain and radiation patterns. This innovative antenna redefines performance standards. Suitable for commercial, industrial, or military applications, this antenna ensures robust signal reception and transmission. Designed to meet the demands of modern communication systems, our antennas offer unparalleled performance, versatility, and reliability.

FEATURES:

- VHF and UHF Bands
- Consistent Performance
- Compact Design
- Excellent Power Handling
- Easy Installation
- Durability



PERFORMANCE CHARACTERISTICS	
RF and Electrical	
Frequency Range	20 – 1000 MHz
Gain	+4.0 dBi 20 - 25 MHz, +7.0 dBi 25 - 1000 MHz
3-dB Beamwidth (E-Plane)	65^0 nom.
3-dB Beamwidth (H-Plane)	105^0 nom
Polarization	Linear
VSWR	2.5:1
Power Handling	500 Watts CW
MECHANICAL	
Dimensions	18 ft. (5.5m) boom length 14 ft. (4.3m) longest element
Weight	60 lbs
Mounting	To mast at balance point via U-Bolts
Shipping Dimensions	Crate: 7.5X 2’ x 1’
INTERFACE	
N-Type Female	
ENVIRONMENTAL	
Operating Temperature	-55° to 75°
Altitude	10,000 ft
Humidity	100% Non-Cond.
Wind Survival	80 mph, no ice
NOTES	
1. Boom splits into sections for transport 2. SAS end loading elements used for longest elements	

This antenna design uses SAS proprietary end loadings on longest dipole elements allowing it to be space-efficient without compromising performance, making it ideal for various installation environments. SAS LPDA’s are meticulously crafted to provide unmatched reliability and performance, driving connectivity forward in an ever-evolving digital landscape. Further customization is available based on your specific requirements.