



# MODEL LP-1018BA

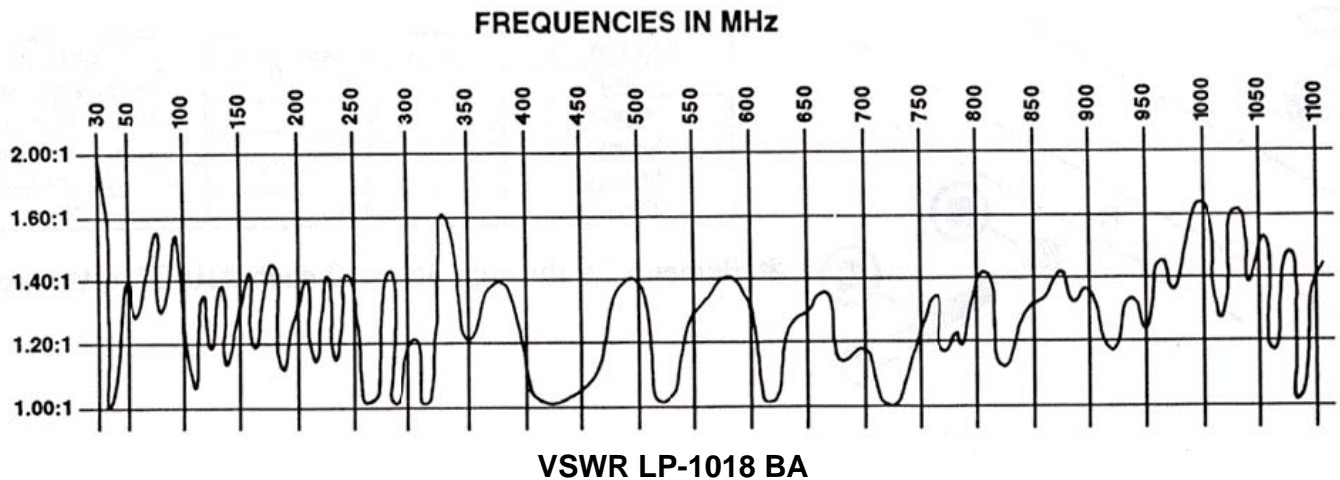


The Model LP-1018BA log periodic dipole antenna has been designed for transmission or reception in either oriented position – providing a vertical or horizontal polarization. Applications for this antenna include point to point, ground to air, surveillance, etc. The broadband width of 30 through 1100 MHz, together with its high gain of 8.0 dB, and high front to back ratio of 15 dB, yield an antenna of infinite possibilities and applications.

MECHANICAL CHARACTERISTICS		ELECTRICAL CHARACTERISTICS	
Boom length	16'7" (5.05 m)	Frequency range	30-1100 MHz
Longest element	16.4' tip to tip (4.99 m)	Gain	8.0dB
Turning Radius	10' (3.04 m)	Input Impedance	50 ohms
Material	Aluminum and stainless steel hardware	VSWR	2.0:1 maximum
Max Wind Speed	100 mph (160.9 kmph)	Polarization	horizontal or vertical as oriented
Minimum Mounting Height	20' (6.09 m)	Radiation Pattern	Uni-directional
		Maximum Power	500 watts at 1000 MHz 1000 watts at 400 MHz 1500 watts at 100 MHz and below
Weight	44 Pounds (20 kg)	Input Connector	Type "N" Female
		Recommended Feedline	RG-213/u for runs of 50 feet or less

**United States Antenna Products, LLC 5263 Agro Drive Frederick, Maryland 21703 USA**

Phone: 301-874-5885 Fax: 301-874-5887 [www.usantennaproducts.com](http://www.usantennaproducts.com)



United States Antenna Products (USAP) manufactures at our Frederick, Maryland plant. We can install, tune and provide a regular maintenance program for your antenna site operations.

United States Tower Services (USTS) has over thirty years experience in erecting and servicing antennas and antenna tower systems. This includes extensive experience in the installation and maintenance of large HF stationary and rotating arrays.

Combined, USAP and USTS will provide a total antenna system, up and running – just connect your radios to the transmission lines we have installed.