



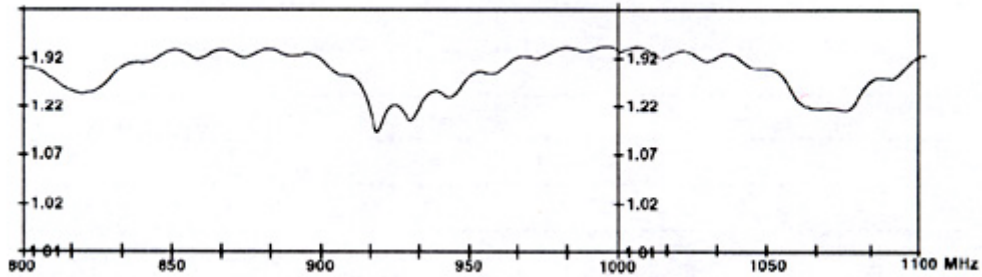
MODEL LP-1019 MODEL LP-1019 SS



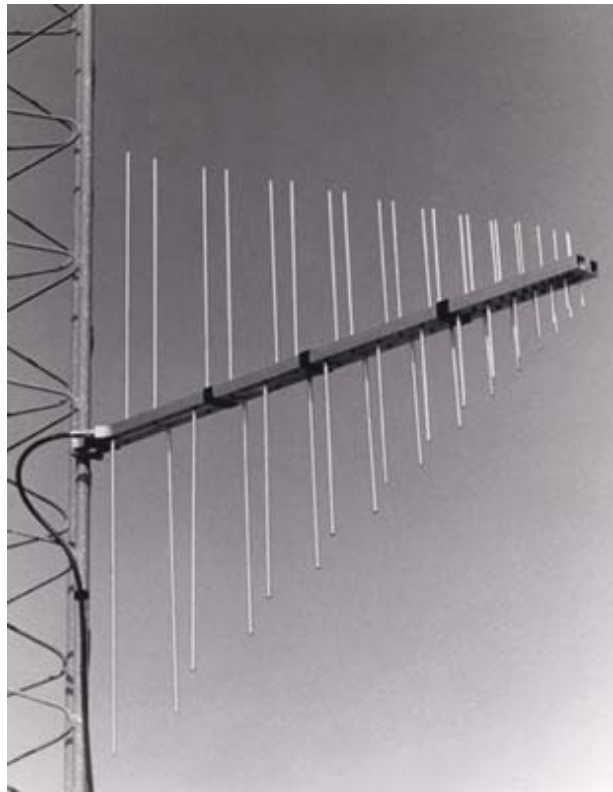
The LP-1019BA antenna has been designed for maximum efficiency and high directive gain as needed for point-to-point, ground-to-air, surveillance, and ground-to-space communications, etc.. The antenna can transmit or receive in either oriented mode of vertical or horizontal polarization.

The bandwidth of 100-1100 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. The construction of the LP-1019BA results in a high wind survival rating. Maximum resistance to corrosion is achieved through the use of light-weight extruded aluminum, stainless steel hardware and fiberglass.

STRUCTURAL CHARACTERISTICS			ELECTRICAL CHARACTERISTICS		
	LP 1019 BA	LP 1019 SS		LP 1019 BA	LP 1019 SS
Boom length	55"	56"	Frequency range	100-1100 MHz	100-1100 MHz
Longest element	59" tip to tip	56 3/4"	Gain	8.0dB	8.0dB
Turning radius	5'		Input Impedance	50 ohms	50 ohms
Material	aluminum with stainless steel hardware	stainless steel	Polarization	horizontal or vertical as oriented	horizontal or vertical as oriented
Wind Survival	100 mph		VSWR	2.0:1 maximum	2.0:1 maximum
Net weight	6 lb. 2 oz.	20 lbs.	Radiation Pattern	unidirectional	unidirectional
Minimum Mounting Height	20' (6.09)m		Maximum Power	500 watts at 1000 MHz 1000 watts at 400 MHz 1500 watts at 100 MHz	
			Input connector	type 'N' female	
			Recommended Feedline	RG-213/U for runs of 50 ft. or less	RG-214



VSWR CHART LP-1019BA



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.

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