



# 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.

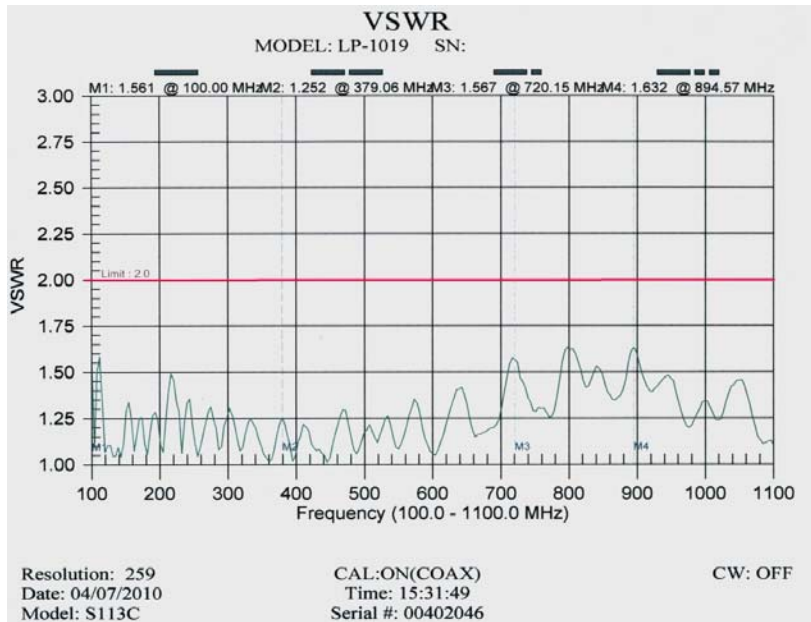
STRUCTURAL CHARACTERISTICS			ELECTRICAL CHARACTERISTICS		
	LP 1019 BA	LP 1019 SS		LP 1019 BA	LP 1019 SS
Boom length	55"	56"	Frequency range	100-1100 MHz	100-1100 MHz
Longest element	59" tip to tip	56 3/4"	Gain	8.0dB	8.0dB
Turning radius	5'		Input Impedance	50 ohms	50 ohms
Material	aluminum and stainless steel hardware	stainless steel	Polarization	horizontal or vertical as oriented	horizontal or vertical as oriented
Wind Survival	100 mph	100 mph	VSWR	2.0:1 nominal*	2.0:1 nominal*
			Front to Back Ratio	15 db (nominal)	15 db (nominal)
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

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### TYPICAL VSWR CHART LP-1019BA

\*VSWR depends upon the height of the antenna above ground, ground conditions, and the influence of other structures or antennas in the vicinity. The specification is for ideal conditions.

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.



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