



**UNITED  
STATES  
ANTENNA  
PRODUCTS, LLC.**

## 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.

See 1018VMK for optional Vertical Mounting Kit.

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

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

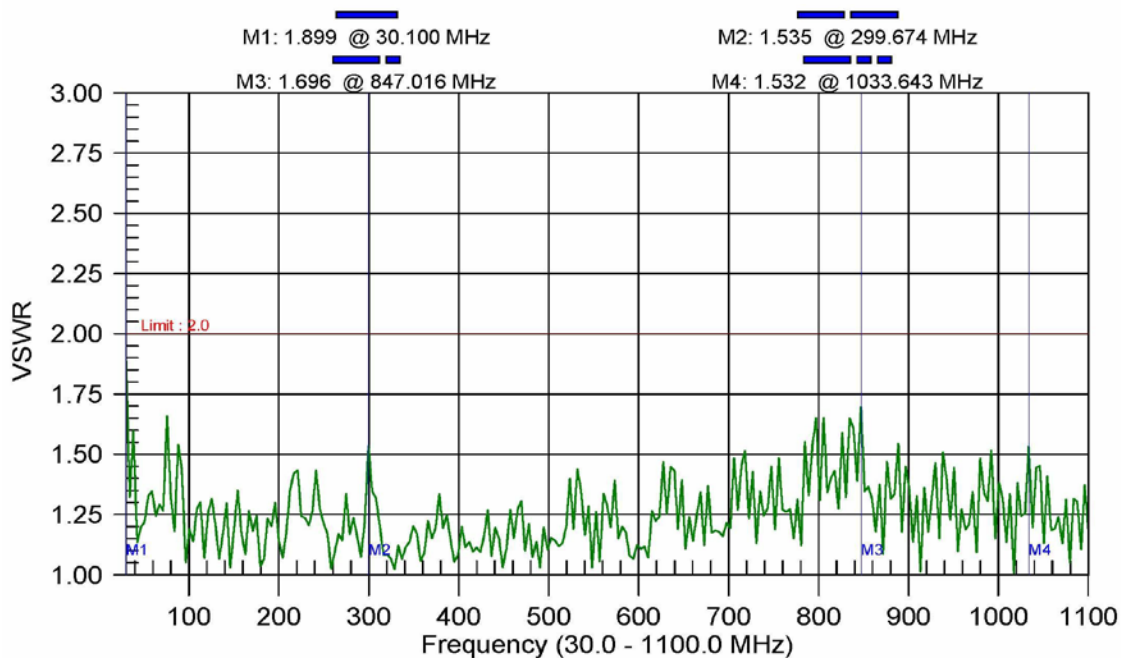
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# VSWR

## LP-1018



Resolution: 259  
Std: CDMA US Cellular  
Date: 06/07/2011  
Model: S331D

CAL:ON(COAX)  
Channel: N/A  
Time: 10:47:40  
Serial #: 00736073

CW: ON

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.

\*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.

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