

BROADBAND PROPAGATION

Antenna Design & Supply

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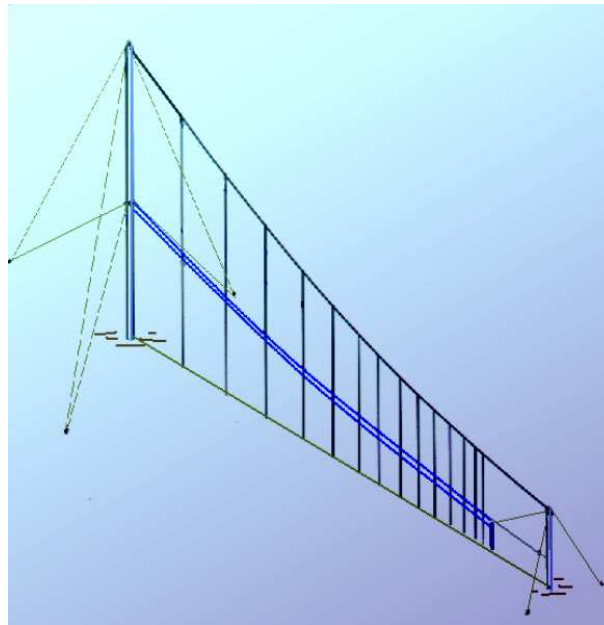
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HF BROADBAND VERTICALLY POLARISED LOG PERIODIC ANTENNA

Models: BLPV-2.5-30, BLPV-4-30 and BLPV-6-30



Our HF Vertically Polarised, Broadband Log Periodics radiate a low angle directional pattern with gains from 8-12 dBi (depending on frequency)

Best suited for long distance communication they can be supplied in a number of models to suit differing frequency ranges. They can be configured as bi-directional if two are mounted back to back or in a "rosette" configuration of four antennas for omnidirectional coverage (or switched directional coverage.)

The antennas are end fed and can be supplied with power ratings ranging from 250 watts, to 10 Kilowatts CW (Continuous). The antennas are almost 100% efficient across the full operating range of frequencies. Radiation is horizontally polarised

Full lightning/ static discharge protection is provided

Specifications

	BLPV-2.5-30	BLPV-4-30	BLPV-6-30
<i>Electrical</i>			
Frequency:	2.5-30 MHz	4-30 MHz	6-30 MHz
Gain:	9 dBi		
VSWR:	Less than or equal to 2.0-1		
Polarisation:	Vertical		
Power Rating :	250 watt average (1 kW PEP) 1Kilowatt average (4 kW PEP) and 10 Kilowatt (40 kW PEP) models available		
Input Impedance:	50 ohms Via Balun or balanced 300 ohm open wire feeder		
Input connection:	Dependant on power rating		
<i>Mechanical</i>			
Mast Height:	75m	50m	35m
Stub Mast Height	5.5m	5.5m	5.5m
Overall length:	147m	90m	65m
Overall Width:	76m	50m	35m
Wind Rating	210 km/hr (antenna rating)		

*All metal materials are of high grade stainless steel or hot-dip galvanised steel.
Ceramic insulators used throughout.*