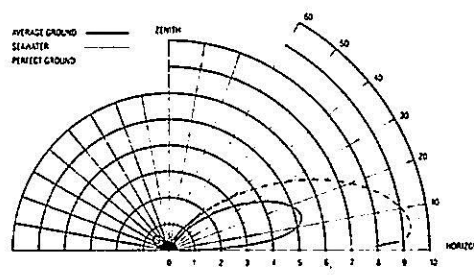
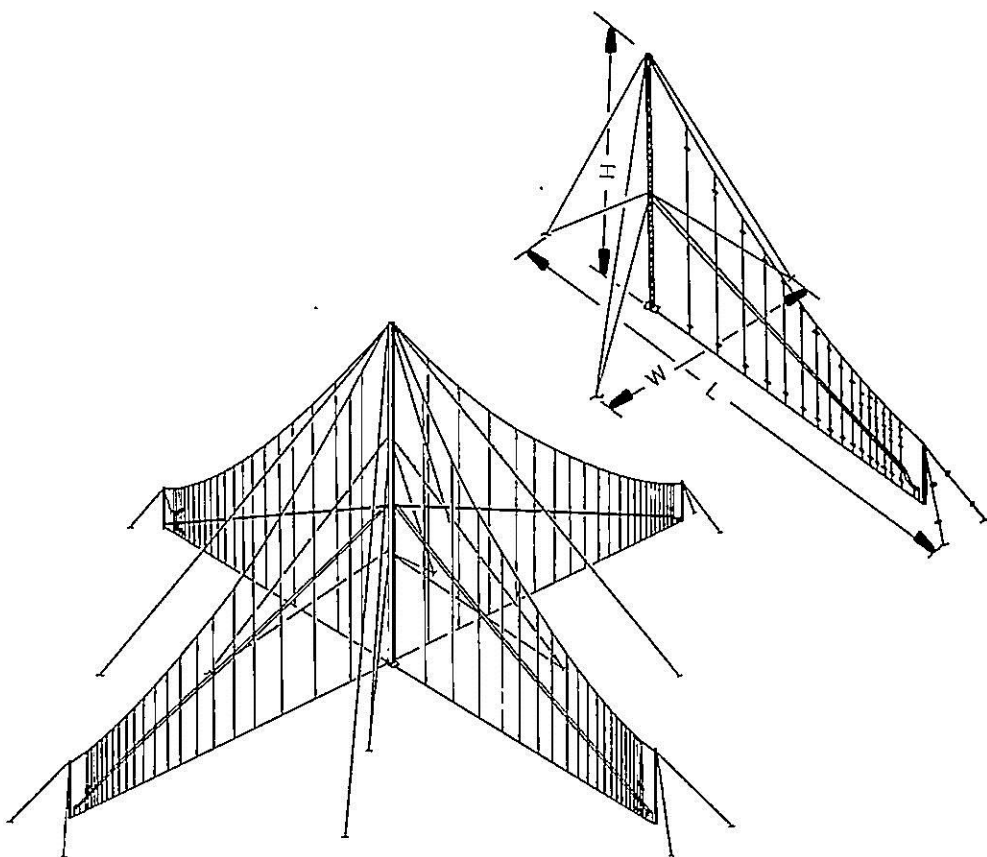
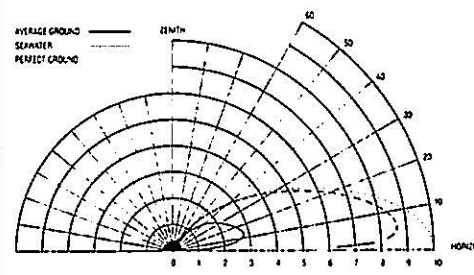


# LPV-1200/1600

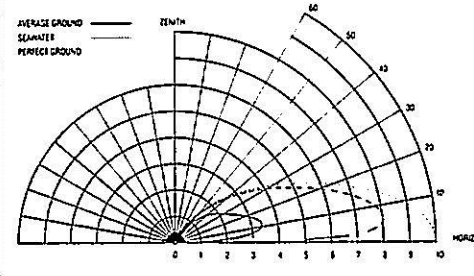
- LONG RANGE
- VERTICAL POLARIZATION
- DIPOLE LOG PERIODIC
- STEERABLE BEAM



ELEVATION PATTERN (VOLTAGE) AT 3 MHz  
CURVES FOR VARIOUS TYPES OF GROUND



ELEVATION PATTERN (VOLTAGE) AT 12 MHz  
CURVES FOR VARIOUS TYPES OF GROUND



ELEVATION PATTERN (VOLTAGE) AT 30 MHz  
CURVES FOR VARIOUS TYPES OF GROUND

### Applications:

The LPV-1200 series antennas are fixed station vertically-polarized log periodic dipole antennas suitable for short-range ground-wave circuits and medium- to long-range skywave circuits in the 3-30 MHz frequency band.

### Features:

Multi-stranded wire array, heavy-duty aluminum tower, corrosion-resistant materials and low-maintenance components are major design achievements incorporated into this antenna.

### Characteristics:

The LPV-1600 series utilizes four independent

LPV-1200 series curtains arrayed in a rosette configuration about a single support tower and provides independent sector coverage.

### Equipment Supplied:

Prefabricated alumoweld curtain, 6061-T6 bolted aluminum tower, guy wires, front pole guys, anchors, and spare hardware.

### Optional Equipment:

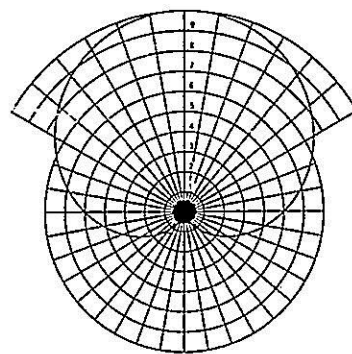
Galvanized welded steel tower, balun transformer, wood pole, obstruction lights, ladder, climbing devices, erection kit, repair kit, and repair tool kit.

## ANTENNA PRODUCTS

### SPECIFICATIONS

GAIN (Perfect Ground)	12 dB above isotropic
GAIN (Imperfect Ground)	5 dB over 1/2 wavelength dipole
BACK AND SIDE LOBE	14 dB minimum
INPUT IMPEDANCE	200 Ohms balanced
VSWR	2.0:1 maximum
POWER CAPABILITY	/1 receiving to kW avg/kW PEP
	/2 10 kW avg/20 kW PEP
	/3 25 kW avg/50 kW PEP
WIND LOADING	120 MPH

MODEL	1206	1208	1211	1215
Frequency Range	3-30 MHz	4-30 MHz	5.4-30 MHz	7.2-30 MHz
Maximum Height (H)	200 ft	160 ft	111 ft	84 ft
Length (L)	390 ft	325 ft	218 ft	170 ft
Width (W)	312 ft	208 ft	160 ft	118 ft
Curtain Length (C)	183 ft	140 ft	99.5 ft	75.3 ft
Shipping Weight (lbs)	3,100	2,500	1,800	1,300
Shipping Volume (cu ft)	100	90	80	70



AZIMUTH PATTERN (VOLTAGE)  
FREQUENCY = 5 MHz