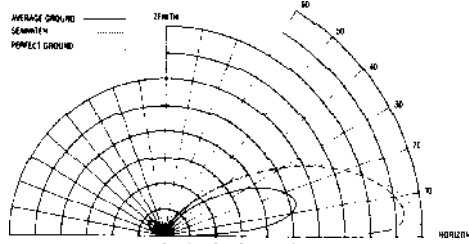
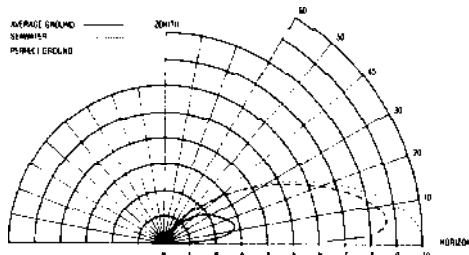


# LPV-1200/1600

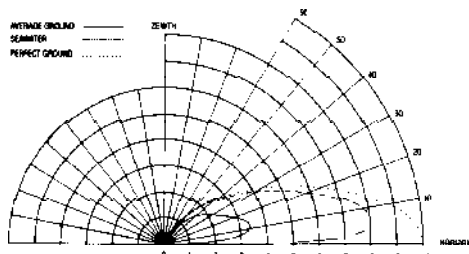
- LONG RANGE
- VERTICAL POLARIZATION
- DIPOLE LOG PERIODIC
- STEERABLE BEAM



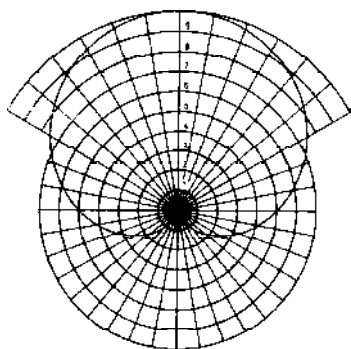
ELEVATION PATTERN (VOLTAGE) AT 3 MHz  
CURVES FOR VARIOUS TYPES OF GROUND



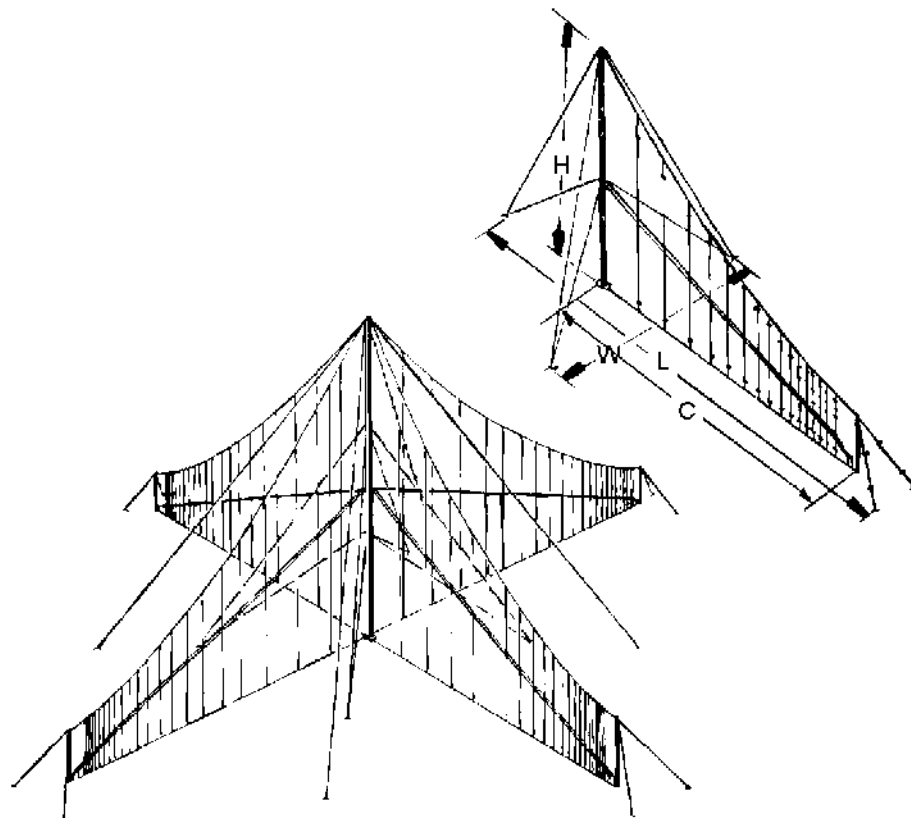
ELEVATION PATTERN (VOLTAGE) AT 12 MHz  
CURVES FOR VARIOUS TYPES OF GROUND



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



AZIMUTH PATTERN (VOLTAGE)  
FREQUENCY - 8 MHz



## Applications

The LPV-1200 series antennas are fixed station vertically polarized log periodic dipole antennas suitable for short range groundwave 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, providing lower maintenance costs.

## 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 aluminum tower, 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. Coaxial cable, connector adapters and mating adapters.



## SPECIFICATIONS

Gain (Perfect Ground)	12 dBi
Gain (Imperfect Ground)	5 dB over 1/2 wavelength dipole
Back and Side Lobe	14 dB minimum
Input Impedance	200 Ohms balanced
VSWR	2:1 maximum
Power Capability	
/1	receiving to 1kW avg/2 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