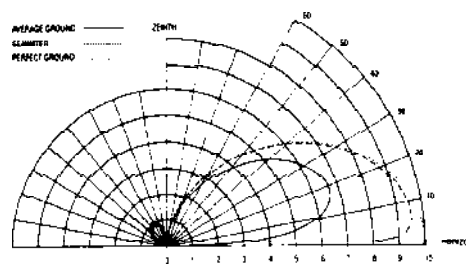
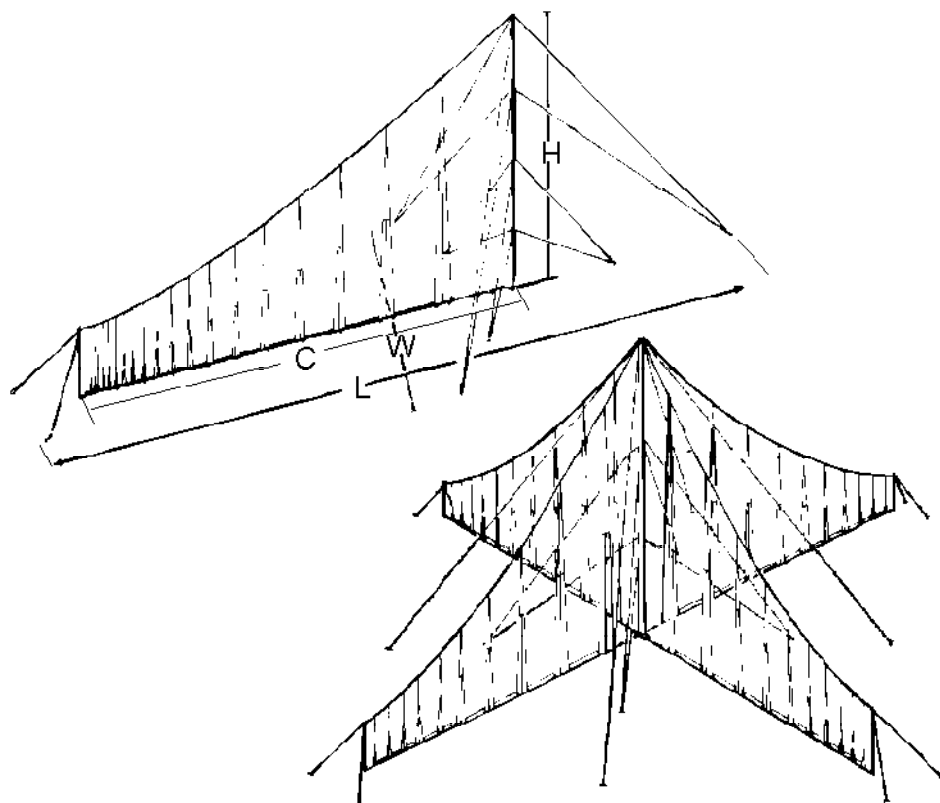
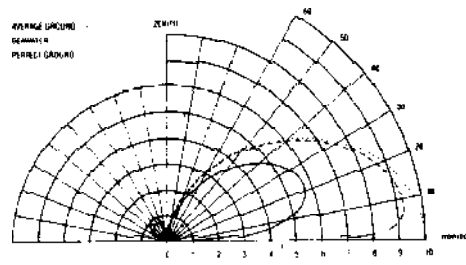


LMV-0200/2900

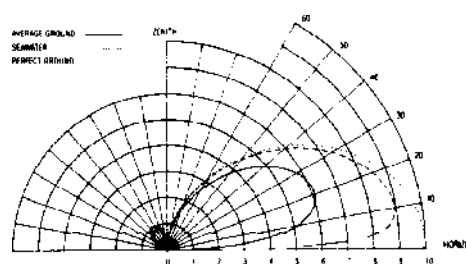
- LONG RANGE
- VERTICAL POLARIZATION
- MONOPOLE LOG PERIODIC
- STEERABLE BEAM



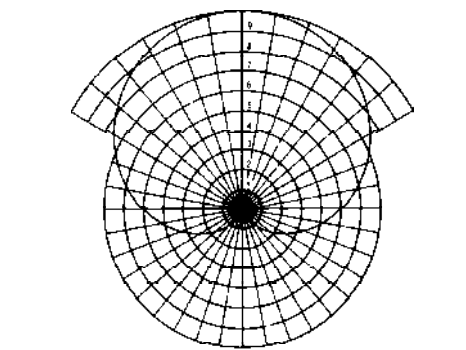
ELEVATION PATTERN (VOLTAGE) AT 2.5 MHz
CURVES FOR VARIOUS TYPES OF GROUND



ELEVATION PATTERN (VOLTAGE) AT 10 MHz
CURVES FOR VARIOUS TYPES OF GROUND



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



AZIMUTH PATTERN (VOLTAGE)
FREQUENCY - 6 MHz

Applications

The LMV-0200/2900 series antennas are fixed station, vertically polarized, log periodic monopole antennas suitable for short range groundwave circuits and mediums to long range skywave circuits in the 2-30 MHz frequency band.

Features

The antenna series is a multi-stranded array utilizing corrosion resistant materials and components requiring low maintenance. It also utilizes a smaller footprint for use where space is a consideration.

Characteristics

The LMV-2900 series utilizes independent LMV-0200 series curtains arrayed in a rosette configuration distributed around a single

support tower. The antenna series provides independent sector coverage.

Equipment Supplied

Prefabricated alumoweld curtain, bolted 6061-T6 aluminum tower, guy wires, front pole guys, anchors, copper ground screen, spare hardware, and impedance matching transformer.

Optional Equipment

Galvanized welded steel tower, 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)	10 dBi
Gain (Imperfect Ground)	5 dB over 1/4 wavelength monopole
Back and Side Lobe	14 dB minimum
Input Impedance	50 Ohms unbalanced
VSWR	2:1 maximum
Power Capability	
/1	receiving to 1 kW avg/2 kW PEP
/2	10 kW avg/20 kW PEP
/3	25 kW avg/50 kW PEP
Wind Loading	120 mph

MODEL	0205	0207	2905	2907
Frequency Range	2.5-30 MHz	3.5-30 MHz	2.5-30 MHz	3.5-30 MHz
Maximum Height (H)	144 ft	100 ft	144 ft	100 ft
Length (L)	392 ft	278 ft	542 ft	410 ft
Width (W)	218 ft	156 ft	542 ft	410 ft
Curtain Length (C)	230.8 ft	165 ft	230.8 ft	165 ft
Shipping Weight (lbs)	6,500	5,000	20,000	15,000
Shipping Volume (cu ft)	200	150	700	600