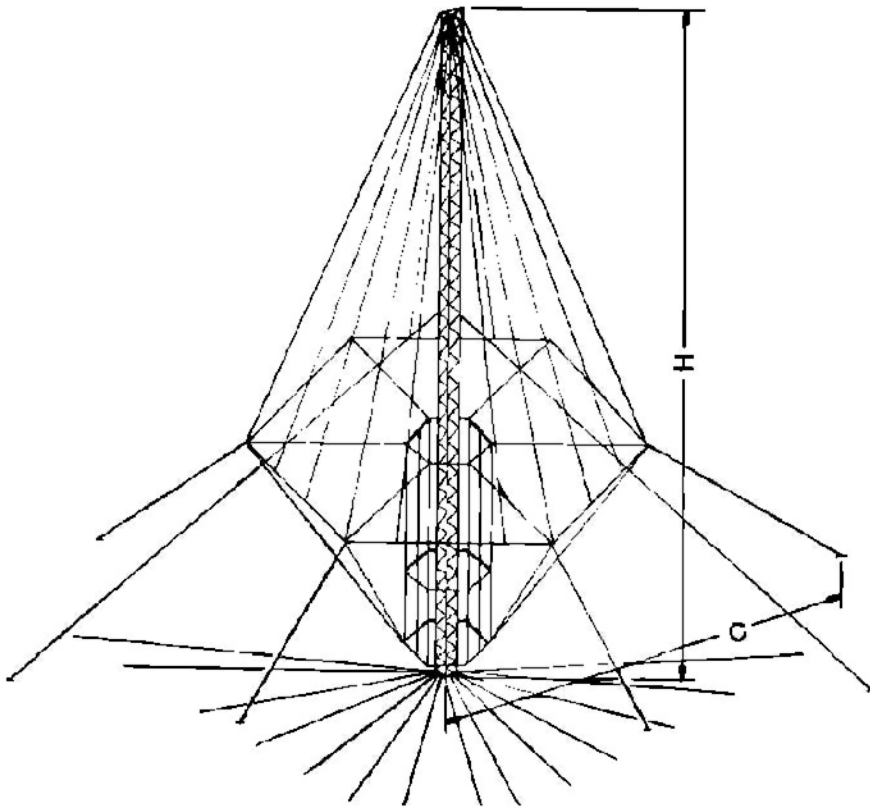


CMV-600

- OMNIDIRECTIONAL
- VERTICAL POLARIZATION
- CONICAL MONOPOLE
- MEDIUM AND LONG RANGE



Applications

The CMV-600 series antennas are vertically polarized and are used on short range groundwave circuits and medium and long range skywave circuits.

Features

The antenna has a small footprint, requiring less real estate for installation. It is composed of corrosion resistant materials and low-maintenance components.

Characteristics

The CMV-600 series of conical monopoles have 6:1 bandwidth and are available in 4 different frequency

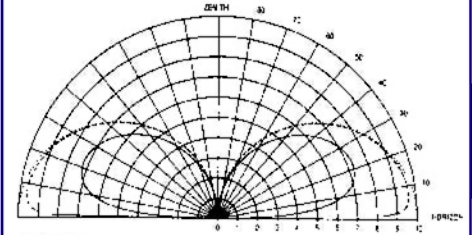
combinations

Equipment Supplied

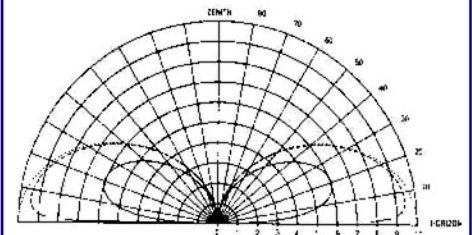
Prefabricated aluminum tower, bolted 6061-T6 aluminum tower, guys, anchors, ground screen, and antenna coupler.

Optional Equipment

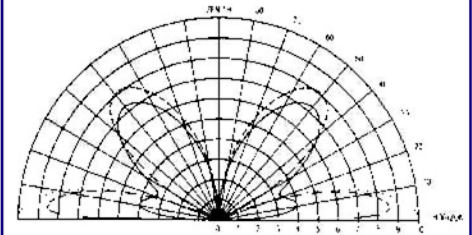
Obstruction lights, erection kit, repair kit, and repair tool kit. Coaxial cable, connector adapters and mating adapters.



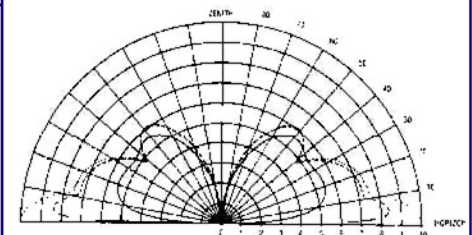
ELEVATION PATTERN (VOLTAGE) AT 2 MHz CURVES FOR VARIOUS TYPES OF GROUND



ELEVATION PATTERN (VOLTAGE) AT 4 MHz CURVES FOR VARIOUS TYPES OF GROUND



ELEVATION PATTERN (VOLTAGE) AT 8 MHz CURVES FOR VARIOUS TYPES OF GROUND



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

SPECIFICATIONS

Gain	4 dBi				
Input Impedance	50 Ohms unbalanced				
VSWR	2.5:1 maximum (2.0:1 on CMV-605E)				
Power Capability	1 kW avg/2 kW PEP				
/1 (Type "N")	10 kW avg/20 kW PEP				
/2 (1-5/8" EIA)	25 kW avg/50 kW PEP				
/3 (3-1/8" EIA)	120 mph, no ice				
Wind Loading	90 mph, 1/2" ice				

MODEL	602	603	604	605	605E
Frequency Range	2-12 MHz	3-18 MHz	4-24 MHz	5-30 MHz	2-30 MHz
Maximum Height (H)	90 ft	60 ft	45 ft	36 ft	36 ft
Curtain Guy Radius (C)	60 ft	45 ft	30 ft	24 ft	24 ft
Ground Screen Radius	125 ft	82.5 ft	55 ft	45 ft	45 ft
Shipping Weight (lbs)	1,800	1,600	1,400	1,200	1,200
Shipping Volume (cu ft)	70	65	69	55	55