

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

OPTIONAL EQUIPMENT

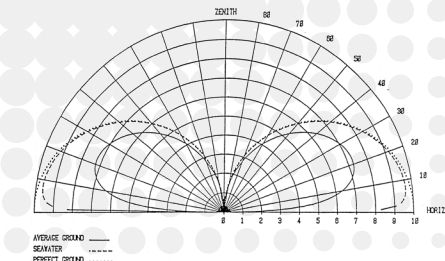
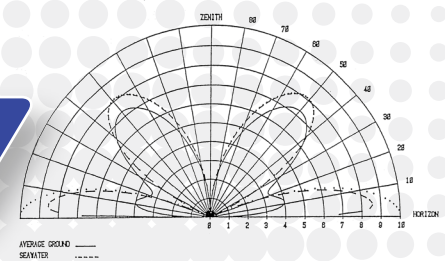
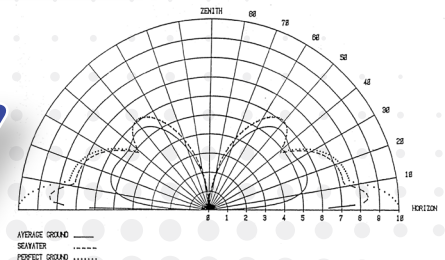
Obstruction lights, erection kit, repair kit, and repair tool kit. Coaxial cable, connector adapters and mating adapters.

OMNIDIRECTIONAL

VERTICAL POLARIZATION

CONICAL MONOPOLE

MEDIUM AND LONG RANGE



SPECIFICATIONS

GAIN	4 dBi
INPUT IMPEDANCE	50 Ohms unbalanced
VSWR	2.5:1 maximum typical
POWER CAPABILITY	
/1 (Type "N")	1 kW avg/2 kW PEP
/2 (1-5/8" EIA)	10 kW avg/20 kW PEP
/3 (3-3/8" EIA)	25 kW avg/50 kW PEP
WIND LOADING	120 mph, no ice 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

Note: CMV-605E has lowered efficiencies below 5 MHz.