

MPV-3088

- VERTICALLY POLARIZED
- VHF OMNIDIRECTIONAL
- LIGHTWEIGHT
- MANPACK

Applications

The MPV-3088 is a lightweight, militarized, vertically polarized, omnidirectional VHF manpack antenna specifically designed for use in a manpack tactical application. The antenna has an instantaneous bandwidth of 30 to 88 MHz making it compatible with VHF and frequency hopping radios. When elevated to 30 feet, it is well suited for either ground-to-air or point-to-point communications.

Features

The MPV-3088 features a lightweight yet rugged configuration that stores in less than 0.4 cubic feet of space, is rapidly deployable and retrievable utilizing all captive hardware. The manpack antenna is stowed in a carrying bag which can easily be hand or shoulder carried. The upper radiating portion is made of vinyl covered wire and supported by an integral telescopic, fiberglass mast. The RF input connector is located at the base of the matching unit. The radials attached to the matching unit are supported in a deployed position by the three (3) top mast guys. The antenna feed consisting of a matching unit and RF input connector is located in the base of the mast.

Optional Equipment

Telescoping mast



SPECIFICATIONS

Frequency Range	30-88 MHz	Wind	60 mph no ice
VSWR	3:1 maximum	Weight	7 lbs
Impedance	50 ohms unbalanced	Stowed Size	28.5 in x 5 in dia
Power	100 watts avg, 200 watts PEP	Deployed Size	
Polarization	Vertical	Upper Element	64 in x 18 in dia
Patterns		Lower Radials	85 in x 120 in dia
Azimuth	Omnidirectional \pm 1 dB	Deployment Time	1 person, 5 minutes
Elevation	Dipole like	Finish	CARC 383 green per MIL-P-53039
Input Connector	BNC		