



## MILITARIZED 90 DEGREE DIRECTIONAL TRANSPORTABLE UHF ANTENNA

### APPLICATIONS

The DPV-75AH is a militarized directional transportable UHF antenna designed for ground-to-air line-of-sight tactical communications circuits. The antenna is vertically polarized, has an instantaneous band width of 960 to 1215 MHz with a 250 watt average power capacity. The lightweight, rugged design makes the antenna ideal for ground-to-air JTIDS class 2 navigational band communications circuits, and is designed for mast mounting.

### ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE	960-1215 MHz
CONNECTOR	Input Type "N" Female
POLARIZATION	Vertical
AZIMUTH BEAMWIDTH	90° (half power beamwidth)
ELEVATION BEAMWIDTH	6-35° above the horizon, not less than CSC2 normalized to -15 dB at 6°
GAIN	13 dbi min
VSWR	2.0:1
INPUT IMPEDANCE	50 ohms
RF POWER RATING	250 Watts average, 1000 watts peak

### MECHANICAL SPECIFICATIONS

RADOME	Fiberglass
BASE FINISH	383 green per MIL-P53039
HEIGHT	5.5"
REFLECTOR WIDTH	11 3/8"
LENGTH	74"
WEIGHT	15 lbs

### ENVIRONMENTAL SPECIFICATIONS

TEMPERATURE	-51° to 49°C
HUMIDITY	95% IAW Para 3.13.3 of MIL-E-16400
WIND	100
ALTITUDE	Sea level to 10,000 feet
SHOCK (in transit case)	4.5 G at 100 msec
VIBRATION (in case)	1.08 G rms, 5-500 Hz random