



Model V4213

30-88 MHz Portable Discone Antenna System



Model V-4213 offers a design concept featuring a portable, man-packed, Omni-directional discone base station antenna for military broadband VHF communications in the field. The emphasis on human engineering makes this antenna system easily and quickly erectable by two persons in less than 10 minutes.

The mast system is constructed of 3 foot (91.4 cm) aluminum tube lengths which assemble to a height of 30 feet (9.1 m) above ground for optimum electrical antenna performance.

High reliability factors and mechanical ruggedness have been designed into this light-weight, compact system making it ideal for tactical military applications.

The V-4213 provides continuous coverage across the entire 30-88 MHz frequency range without need for electromechanical adjustments.

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4213AD COMPLETE SYSTEM

The V 4213 comes in two equipment levels. The 4213AD contains a complete system including mast, guy wires, tie downs, carrying case and coax. Just add your radio and go. The 4213AC contains just the antenna for applications where existing infrastructure is in place or available.

SPECIFICATIONS

ELECTRICAL

Frequency Range----- 30 – 88 MHz
 Power Rating (in Watts) PEP / Ave ----- 200/100
 Polarization----- Vertical
 Input Connector ----- Type "N"
 Input Impedance (ohms) -----50
 VSWR ----- 3.0 to 1 maximum

MECHANICAL

Element Connections ----- Captivated Snap in Sockets
 Wind Load Rating (No Ice) mph/kh/hr ----- 60 /96.5
 Erected Mast Height -----30 Feet

CONE DIMENSIONS

Height (inches/m) -----99/2.54
 Diameter (inches/m) ----- 105/2.67

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