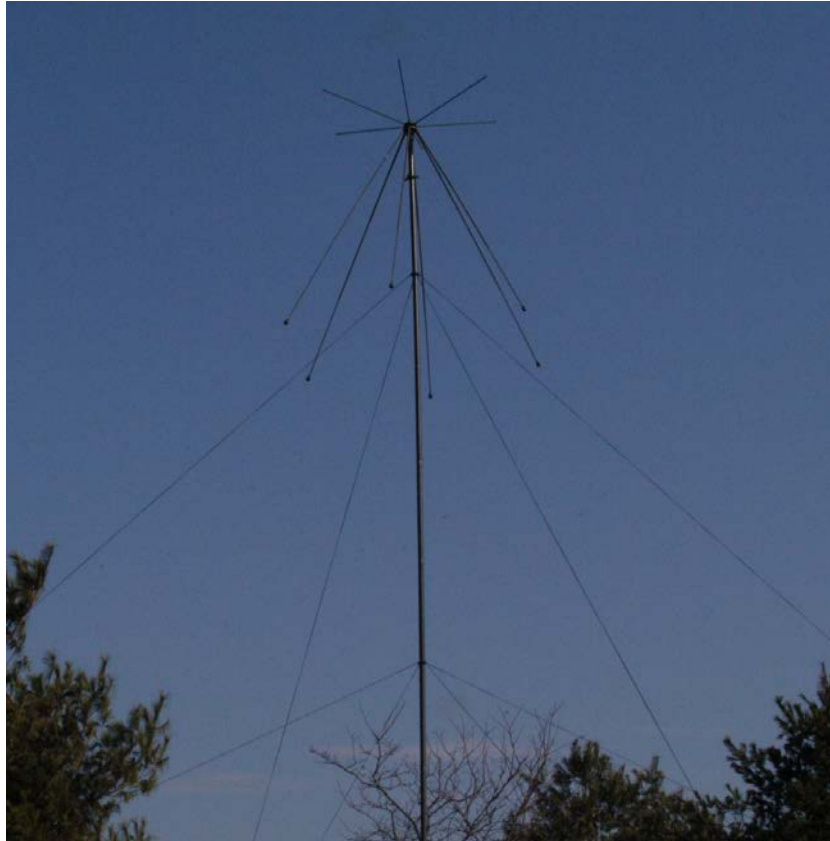




Model V4213

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 broad-band 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 V-4213 includes a mast system 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 these light-weight, compact systems, making them ideal for tactical military applications.

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

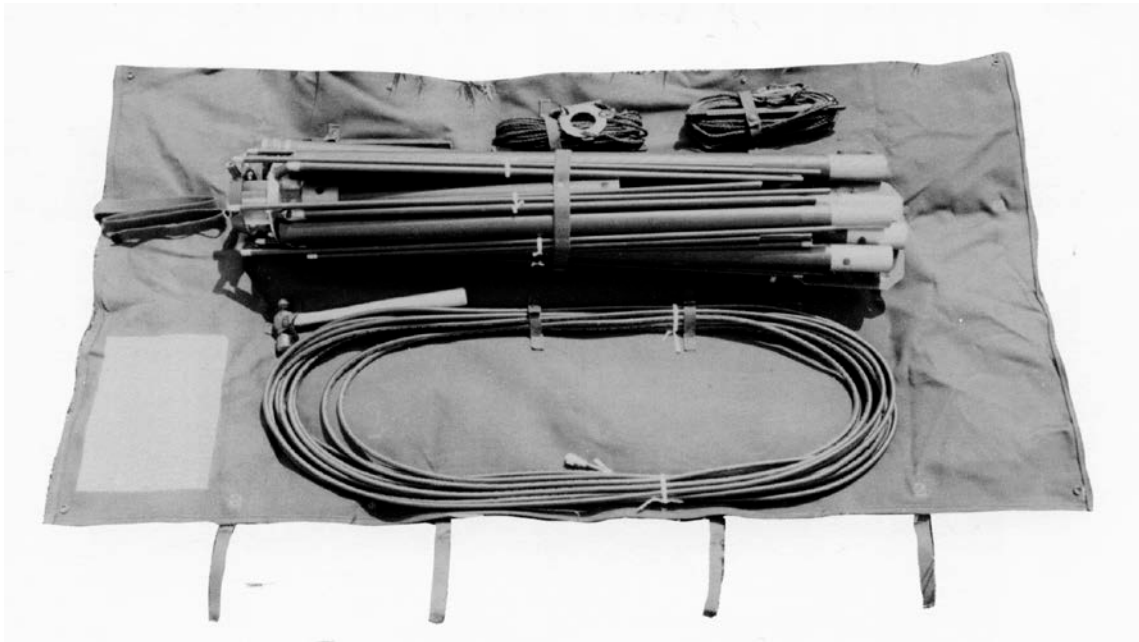
The V 4213 comes in two equipment levels. The 4213AD contains a complete system including mast, guy wires, tie downs, carrying case and coax. Just add your radio and go. The 4213AC contains just the antenna for applications where existing infrastructure is in place or available.

United States Antenna Products, LLC 5263 Agro Drive Frederick, Maryland 21703 USA

Phone: 240-341-7120

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4213AD COMPLETE SYSTEM

Specification Summary

	<i>Electrical</i>
Frequency Range (MHz)	30-88
Power Rating (in watts) PEP/Average	200/100
Polarization	Vertical
Input Connector	N
Input Impedance (in ohms)	50
Max. VSWR (with regards to 50 ohms)	2.5:1
Coaxial Cable (type/length)	RG-58c/u (100 ft/30 m)
	<i>Structural</i>
Element Connections	Captivated Snap-in Sockets
Mast Sections	Mechanically Indexed Snap-Lock
Man-Packed System:	
Length (inches/cm)	51/129.5
Width (inches/cm)	13/33.0
Height (inches/cm)	11/27.9
Net Weight (lbs/ kg)	39/17.7
Wind Load Rating:	
No Ice (mph/ km/ h)	81/130
Radial Ice 0.5"/13 mm (mph/km/h)	75/120
Erected Mast Height	30 ft./ 9.14 cm
Cone Dimensions:	
Height (inches/m)	99/2.51
Width (inches/m)	105/2.67
Shipping Weight (lbs/ kg)	42/19.05
Shipping Volume (cu. Ft/ cu. m)	6/0.17)

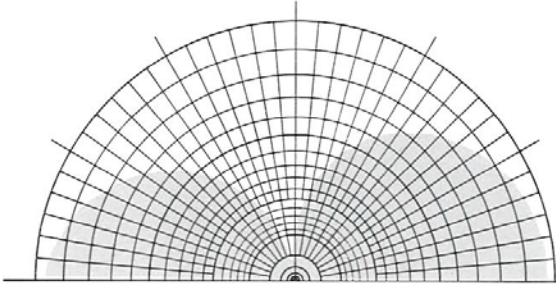
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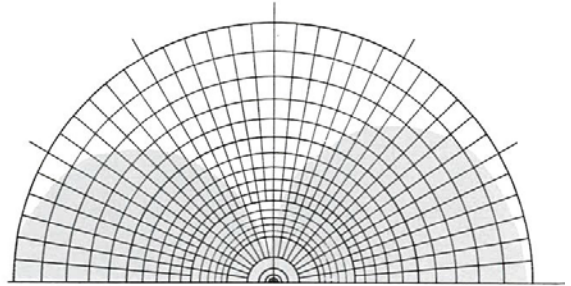
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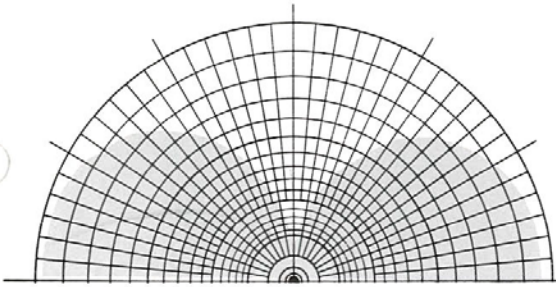
Typical Radiation Patterns



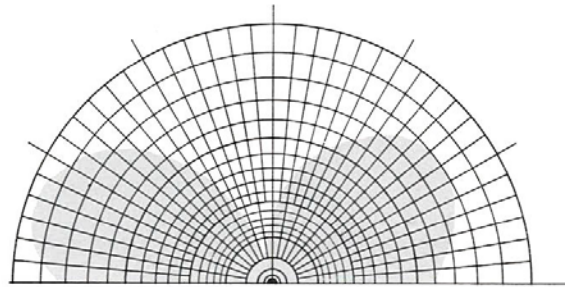
30 MHz



45 MHz

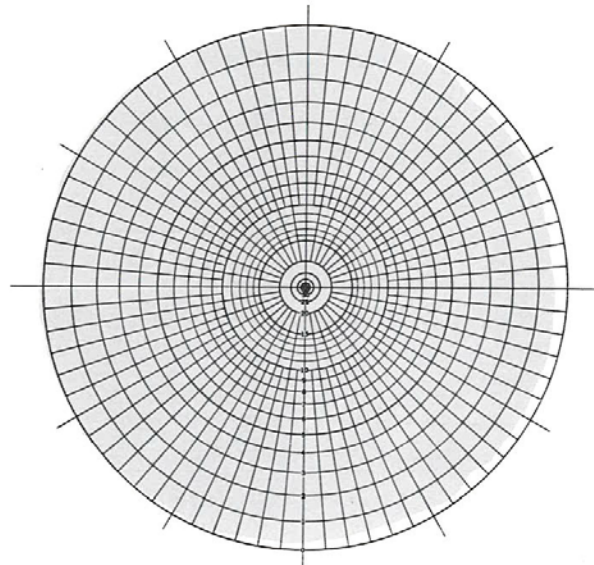


65 MHz



88 MHz

Omnidirectional



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