



Preliminary

VC4-102

102° Azimuth Beam, 48.0 inches

Directing our energies for you.

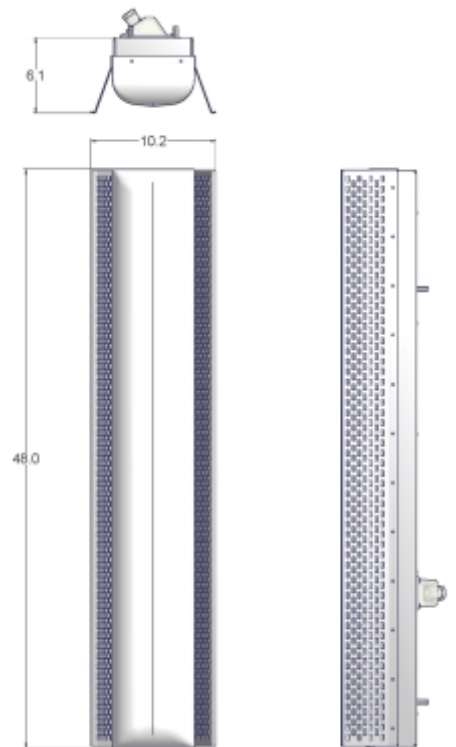
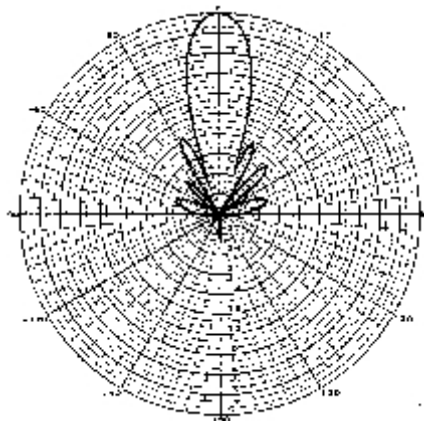
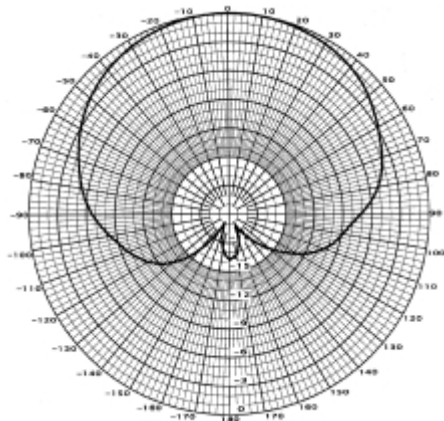
824-896 MHz Band

Electrical Specifications

Frequency	824-896 MHz
Polarization	Vertical
Gain	11.9 dBd
Horizontal Beam (3dB Points)	102°
Vertical Beam (3dB Points)	14.5°
Electrical Downtilt Options	0, 2, 4 or 6°
VSWR / Return Loss	<1.40:1 / 15.6 dB
Front-to-Back at Horizon	>21 dB
Upper Side Lobe Suppression	<-17 dB
Impedance	50 Ohms
Power Input Per Connector	500 Watts CW
Intermodulation (2x20W)	typ -150 dBc

Mechanical Specifications

Input Connector (female)	Type N (silver finish)
Antenna Dimensions (LxWxD)	48.0 x 10.2 x 6.1 in. (1219 x 259 x 155mm)
Antenna Weight	14 lbs
Bracket Weight	13.2 lbs
Lightning Protection	Direct Ground
RF Distribution	Printed Microstrip Substrate
Radome	Ultra High-Strength Luran
Weatherability	UV Stabilized, ASTM D1925
Radome Water Absorption	ASTM D570, 0.45%
Environmental	MIL-STD-810E
Wind Survival	150 mph
Front Wind Load @ 100MPH	94.7 lbs
Equivalent Flat Plate @ 100MPH	1.93 sq-ft. (c=2)
Mounting Brackets	Fits 3.5 Inch Max. O.D. Pipe
Mechanical Downtilt Range	0-12°
Clamps/Bolts	Hot Dip Galvanized Steel/Stainless Steel



5 Year Warranty

Ordering Information & Options

VC4-102-x

"-x" is a placeholder for the built-in fixed electrical downtilt in degrees, set to 0, 2, 4 or 6

