

# **Electrical Specifications**

Frequency (Continuous)	144-174 MHz
Bandwidth	Full Band
Gain	0 dBd / 2.5 dBi
Power Rating (Max.)	500 W
Impedance (Nom.)	50 Ω
Polarization	Vertical
VSWR (Max.)	1.5:1
E Plane	93°
H Plane	360°
RF Connector Type	N Female
VSWR (Max.) E Plane H Plane	1.5:1 93° 360°

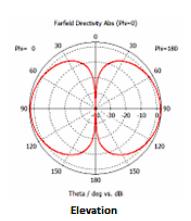
## **Mechanical Specifications**

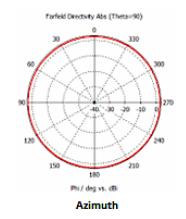
Antenna Dimensions (HxWxD)	62.8" x 3.8" x 3.8"
Weight (Antenna+Mounts)	12.8 lbs.
Materials	Stainless steel and fiberglass
Mounting	2 - 3.5" mast diameter, heavy duty stainless steel mounting bracket

### **Environmental Specifications**

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Wind Loading	18.4 lb / 82 N @ 100 MPH 41 lb /183 N @ 150 MPH 69 lb / 307 N @ 200 MPH
Wind Loading with 1/2" Ice	26 lb / 117 N @ 100 MPH 97 lb / 433 N @ 150 MPH 88 lbs / 307 N @ 200 MPH

### **Radiation Pattern**





# VHF Collinear Antenna



The EMR150FC2 is a vertical base station antenna covering the 144-174 MHz band. This antenna offers a stable radiation pattern across the entire band. The antenna is enclosed in a heavy-duty fiberglass radome and has a fixed N type female connector.

#### **Product Features**

- · Ideal for Base Station applications
- · Factory tuned, no further tuning required
- · Fully enclosed in a heavy duty radome
- Weather and corrosion resistance
- DC Grounded

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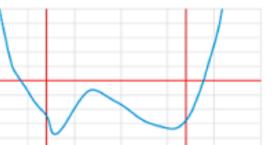
12 11

130

140

150

• 3 Year Warranty



160 Frequency (MHz)

**VSWR** 

All product specifications subject to change without notice.

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