

# Instruction Sheet

## OD58

### Omni-directional Antennas

**Step 1:** Loosen the 4 screws on the bracket antenna clamp. Remove nut, (if present) from the Antenna N Connector. Slide antenna into clamp and tighten 4 screws to secure antenna. Top of bracket should be approx. even or below top of antenna metal base.

**Step 2:** Loosen U-Bolt nuts and slip U-Bolts over pole. For best performance mount so fiberglass part of antenna is above end of pole. Position antenna and tighten U-Bolts to 60 in-lbs.

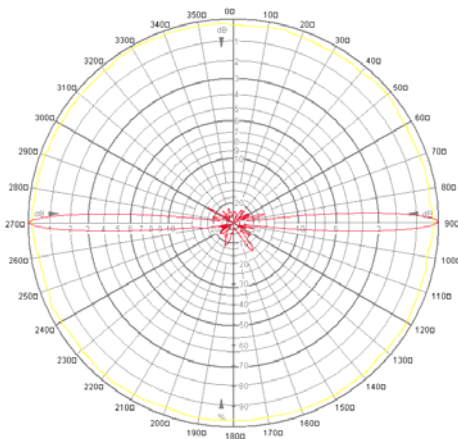
**Note 1:** If antenna needs to be mounted lower on pole, it is best to standoff the antenna from pole several inches to minimize the effect of the pole on antenna performance.

**Note 2:** The antenna model with Bulkhead Type N Connector with nut can be used to mount the antennas to a metal roof or user fabricated bracket if desired. Drill a 5/8" hole in the surface, insert the antenna and secure with provided nut.

Parameter		Min	Typ	Max	Units
<i>Frequency Range</i>	OD58	5470		5850	MHz
<i>VSWR</i>			1.5:1		
<i>Impedance</i>			50		OHM
<i>Input Power</i>				100	W
<i>Pole Diameter (OD)</i>		1 25		2 31.8	inch mm
<i>Operating Temp</i>		-40		+60	Deg C

	OD58-12
<i>Gain</i>	12dBi
<i>Vertical Beam Width</i>	7 deg
<i>Rated Wind Velocity</i>	125mph
<i>Weight</i>	1.1 Lbs
<i>Dimension (L)</i>	21.25"

Wind Loading	
100MPH	8.75 Lbs
125MPH	13.7 Lbs



12dB Vertical Antenna Pattern  
E Plane