

Instruction Sheet

SA49 Vertically Polarized Sector Antennas

Step 1: Install scissor bracket to pole. If uptilt is required, scissor bracket should be mounted at bottom of antenna. If downtilt is required, mount the scissor bracket at the top of the antenna.

Step 2: Set rotation and tighten the top and bottom brackets to the pole. Adjust tilt per the tilt indicator and then tighten 3 sets of bolts to fix the tilt position.

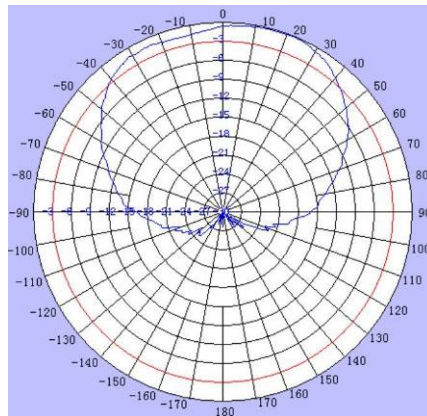
Step 3: The antenna should always be mounted with the RF Connector on the bottom side. Be sure to fully weatherproof the RF connection.



Specifications

Parameter	Min	Typ	Max	Units
VSWR		1.5:1		
Impedance		50		OHM
Input Power			50	W
Pole Diameter (OD)	1" (25)		2.4" (60)	Inch (mm)
Operating Temperature	-40		+70	Deg C

	SA49-90-16
Gain (dBi)	16 dBi
Freq Range (MHz)	4900-4990
Horizontal Beam Width	90 deg
Vertical Beam Width	9 deg
Front to Back	>25
Mechanical Downtilt	10 deg
Weight	5.7lb (2.6kg)
Dimensions (LxWxH)	20 x 6 x 2.4" (500x155x60mm)



16dBi Sector

Wind Loading				
Model	Sq. In	100MPH	125MPH	100MPH 1/2" radial ice
SA49-90-16	120	30 lb	47 lb	32 lb