Instruction Sheet

SA9 Vertically Polarized Sector Antennas
860 to 960 MHz Operation

Step 1: Install top and bottom brackets to antenna as shown

Step 2: Install antenna/brackets to pole. Set rotation and tighten the top bracket to the pole. Adjust tilt per the tilt indicator and then tighten 3 sets of bolts on the top scissor bracket to fix the tilt position.

Step 3: Tighten bottom bracket to pole. Make sure all bolts are tight.

Step 4: Connect coax cable to the N Connector on bottom of antenna and weatherproof the connection. The N Connector has a rain shield built-in but still needs weatherproofing to ensure a reliable connection.

Top Bracket

Bottom Bracket

Specifications

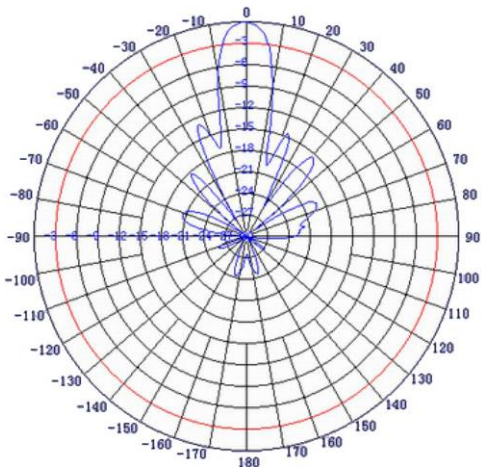
Parameter	Min	Typ	Max	Units
Frequency Range	860		960	MHz
VSWR		1.5:1		
Impedance		50		OHM
Input Power			200	W
Pole Diameter (OD)	2" (50)		4" (102)	Inch (mm)
Operating Temperature	-40		+70	Deg C

860–960 MHZ	SA9-120-13
Gain	13 dBi
Horizontal Beam Width	120 deg
Vertical Beam Width	16 deg
Front to Back	>21 dB
Mechanical Downtilt	10 deg
Weight	31 lb (14kg)
Dimensions *(LxWxH)*	53" x 11 x 5" (1350 x 286 x 133mm)

Wind Loading			
Model	**Sq. In**	**100MPH**	**125MPH**
SA9-120-13	583	146 Lbs	228 Lbs

Antenna Patterns at 914 MHz

Elevation Plot



Azimuth Plot