

# Instruction Sheet

## SAH35 Horizontally Polarized Sector Antennas

### 3300 to 3600 MHz Operation

**Step 1:** Install to Pole. Tighten lower bracket against pole loosely, just enough to hold its vertical position.

**Step 2:** Tighten top bracket loosely on pole. Adjust antenna downtilt by reading the tilt indicator on the bottom bracket. Once desired tilt is found, lock the tilt position by tightening the bolt at the tilt indicator.

**Step 3:** Set rotation angle by rotating the antenna on the pole. Once optimal position is found, lock the rotation by tightening the bottom bracket fully.

**Step 4:** Tighten top bracket fully against the pole and then tighten all other bracket bolts to fix the position.

**Step 5:** Attach signal cable and weatherproof using a suitable weatherproofing tape over the connection.

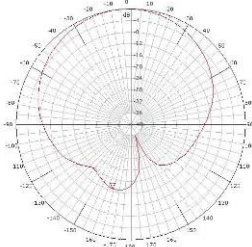


## Specifications

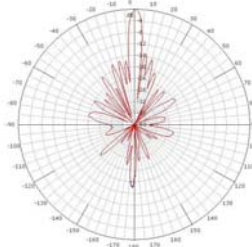
Parameter	Min	Typ	Max	Units
<i>Frequency Range</i>	3300		3600	MHz
<i>VSWR</i>		1.5:1		
<i>Impedance</i>		50		OHM
<i>Input Power</i>			100	W
<i>Pole Diameter (OD)</i>	1" (25)		3" (76)	Inch (mm)
<i>Operating Temperature</i>	-40		+70	Deg C

	SAH35-90-16
<i>Gain</i>	17dBi
<i>Horizontal Beam Width</i>	90deg
<i>Vertical Beam Width</i>	6.5 deg
<i>Front to Back</i>	>16 dB
<i>Mechanical Downtilt</i>	30 deg
<i>Weight</i>	10 Lb (4.5kg)
<i>Dimensions (LxWxH)</i>	35.5" x 4.7" x 2.4" (900 x 120 x 60mm)

### Antenna Patterns at 3.5GHz



SAH35-90-16 H Plane



SAH35-90-16 E Plane

Wind Loading			
Model	Sq. In	100MPH	125MPH
SAH35	167	41.8 lb	65.2 lb