



Vertically Polarized Sector Antennas 4900 to 5850 MHz Operation

Features

- Hi Gain 17dBi in a small form factor
- Low Wind Loading = 160MPH Survivability
- Vertically Polarized, Ultra Wide Band Operation
- Type N Female Integrated Connector
- Galvanized Steel Tilt Bracket for up to 3.5" dia pole

Applications

- 5.8GHz U-NII Band Applications
- Point to Multi-point Systems
- Base Station Antennas
- 802.11a Applications

Description

The Vertically Polarized Ultra Wide Band 5GHz Sector antenna systems offered by Pacific Wireless are constructed of UV stable ASA plastic radomes and Galvanized Steel brackets with Stainless Steel hardware for long service life in the most demanding conditions. The ultra wide band operation allows a single antenna to cover a wide frequency range thereby allowing the operator maximum flexibility in his network. The antennas are DC Grounded for lightning/ESD protection. The heavy duty bracket system adjusts for up to 15 deg of downtilt.

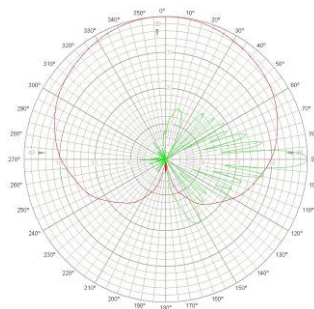
Specifications

Parameter	Min	Typ	Max	Units
<i>Frequency Range</i>	4900		5850	MHz
<i>VSWR</i>		1.8:1		
<i>Impedance</i>		50		OHM
<i>Input Power</i>			10	W
<i>Pole Diameter (OD)</i>	1.5" (38)		3.5" (89)	Inch (mm)
<i>Operating Temperature</i>	-40		+70	Deg C
<i>Gain</i>			17 dBi	
<i>Horizontal Beam Width</i>			90 deg	
<i>Vertical Beam Width</i>			6 deg	
<i>Polarization</i>			Vertical	
<i>Front to Back</i>			>25 dB	
<i>Cross Polarization</i>			>15 dB	
<i>Mechanical Downtilt</i>			15 deg	
<i>Weight</i>			2 lb (1.3 kg)	
<i>Dimensions (LxWxH)</i>			24.6" x 2.7" x 1.7" (625 x 69 x 43mm)	

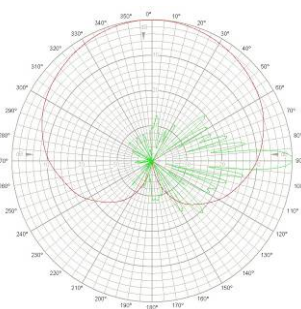


Antenna at Full
Downtilt

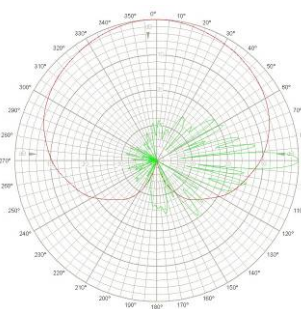
Antenna Patterns



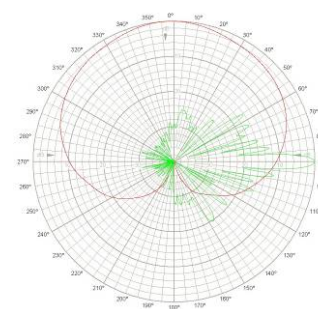
4900 Mhz



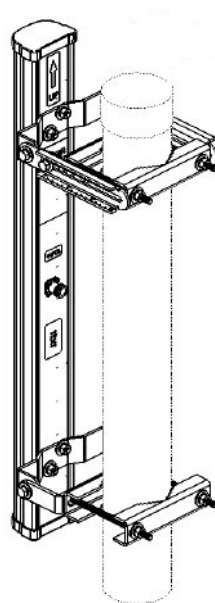
5150 Mhz



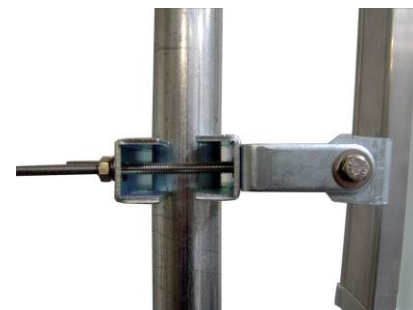
5470 Mhz



5850 Mhz



Top Bracket



Bottom Bracket

Wind Loading – lb force			
Model	Sq. In	100MPH	125MPH
SA4958-90-17	66.4	16.6	24.9

Notes:

- All shipments F.O.B. Pacific Wireless Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty

System Ordering:

SA4958-90-17 4900-5850MHz 90deg, 17dBi, VPOL Sector Antenna

For further information contact:



Pacific Wireless

14557 South 790 West #B
 Bluffdale, UT 84065
 TEL (801) 572-3024
 FAX (801) 572-3025
 www.pacwireless.com