



Vertically Polarized Sector Antennas

5725 to 5850 MHz Operation

Features

- Hi Gain 16dBi or 17dBi in a small form factor
- Vertically Polarized
- Type N Female Integrated Connector
- Completely Weatherproof
- Easy to use tilt bracket

Applications

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



VPOL Sector

Description

The Vertically Polarized Sector antenna systems offered by Pacific Wireless are constructed of UV stable ABS plastic radomes and Die Cast Aluminum brackets for long service life in the most demanding conditions. The super heavy duty bracket system is easy to install and adjust for up to 15 deg of downtilt.

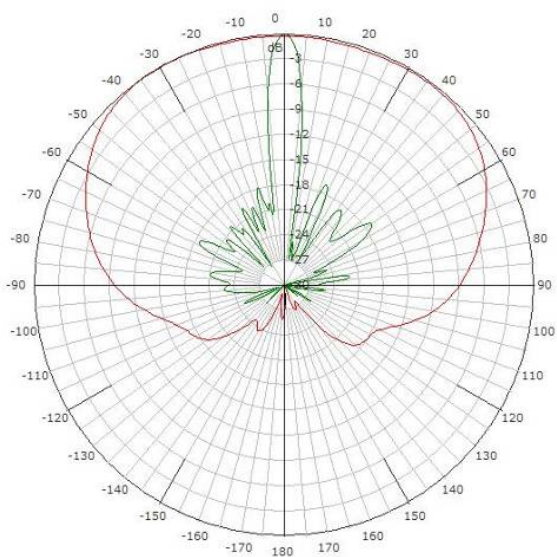
Specifications

Parameter	Min	Typ	Max	Units
<i>Frequency Range</i>	5725		5850	MHz
<i>VSWR</i>		1.5:1		
<i>Impedance</i>		50		OHM
<i>Input Power</i>			100	W
<i>Pole Diameter (OD)</i>	1.5" (38)		3" (76)	Inch (mm)
<i>Operating Temperature</i>	-40		+70	Deg C

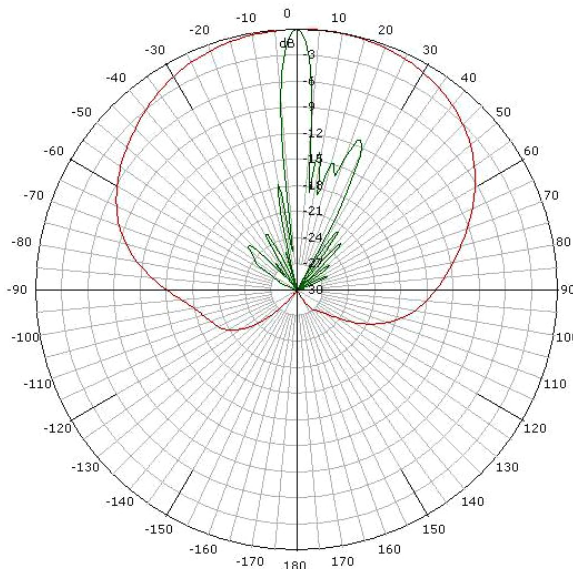
	SA58-90-17	SA58-120-16
<i>Gain</i>	17dBi	16 dBi
<i>Horizontal Beam Width</i>	90 deg	120 deg
<i>Vertical Beam Width</i>	7 deg	7 deg
<i>Polarization</i>	Vertical	Vertical
<i>Front to Back</i>	>25 dB	>21 dB
<i>Mechanical Downtilt</i>	15 deg	15 deg
<i>Weight</i>	2.6 lb (1.2kg)	2.6 lb (1.2kg)
<i>Dimensions (LxWxH)</i>	21.5" x 5" x 2.8" (545 x 125 x 71mm)	21.5" x 5" x 2.8" (545 x 125 x 71mm)



Antenna Patterns



SA58-120-16
Azimuth & Elevation



SA58-90-17
Azimuth & Elevation

Wind Loading			
Model	Sq. In	100MPH	125MPH
SA58	110	27.5 lb	43 lb

Notes:

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



System Ordering:

SA58-120-16 5725-5850MHz 120deg, 16dBi, VPOL Sector Antenna

SA58-90-17 5725-5850MHz 90deg, 17dBi, VPOL Sector Antenna

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