



# Pacific Wireless

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# PAWSA24-12/16

# DATA SHEET

## Sector Antenna Systems

### 2400 to 2500 MHz Operation

### Features

- 50 W Passive Feed with Type N Female Connector
- Optimized for 2.4GHz 15m Band
- 12 and 16.5 dBi Antenna Gain
- Rugged and Lightweight
- 95 Degree Coverage (-3Db) Single Sided

### Applications

- 2.4 GHz ISM Band Applications
- Multi-point Wireless Bridges
- Wireless Broadband
- Multi-point Campus Connections
- Multi-point Site Data Links
- Wireless Internet



### Description

The Sector antenna systems offered by Pacific Wireless are constructed from rigid aluminum extrusion, these units are powder coated and sealed with PTFE tape providing lightweight, rigid, weatherproof units. They feature 50 ohm passive feeds that come standard with type N female connectors.

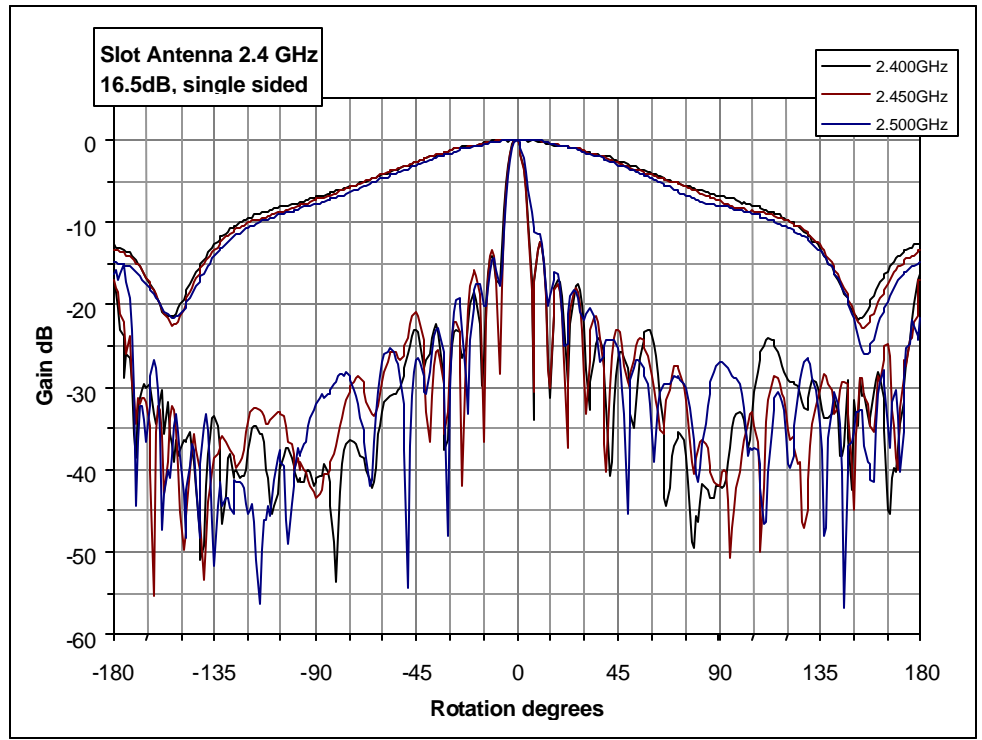
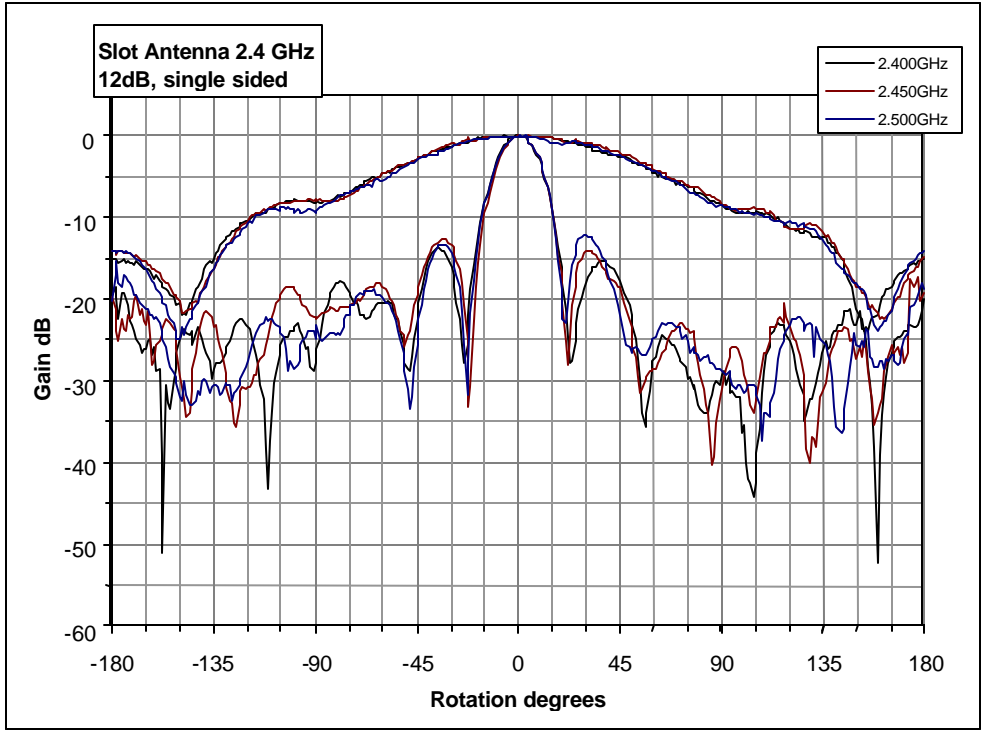
### Specifications

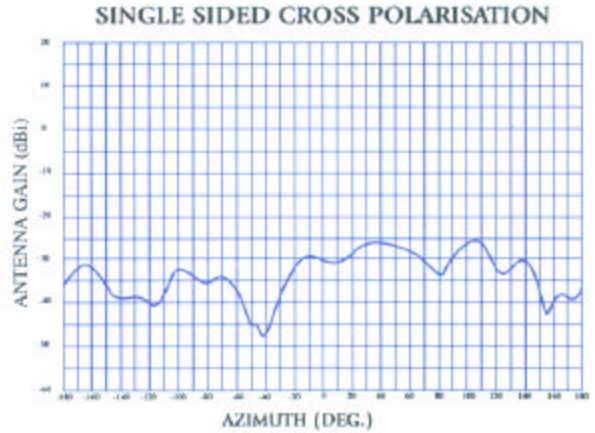
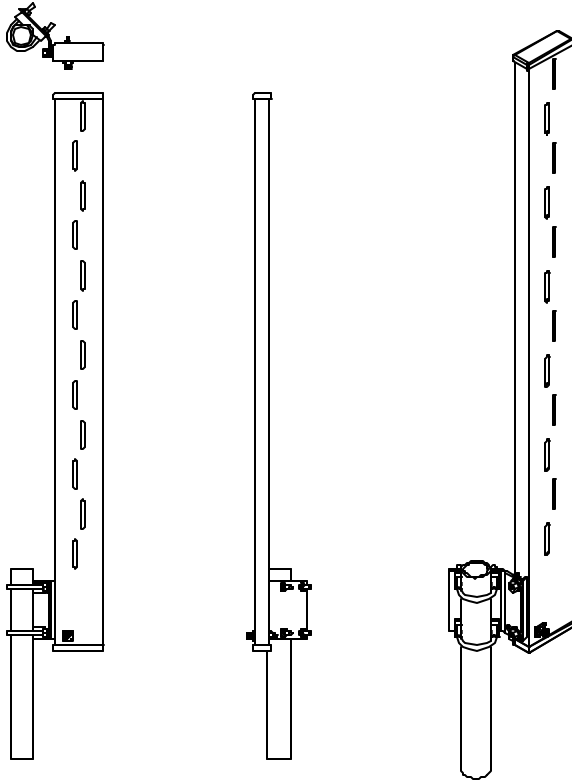
Parameter	Model	Min	Typ	Max	Units
<i>Frequency Range</i>	PAWSA24-12 PAWSA24-16	2400 2400		2500 2500	MHz
<i>Input Return Loss (S<sub>11</sub>)</i>			-12		dB
<i>VSWR</i>			1.5:1		
<i>Impedance</i>			50		OHM
<i>Input Power</i>			100		W
<i>Pole Diameter (OD)</i>		2 (53)		2.5 (60)	Inch (mm)
<i>Operating Temperature</i>		-30		+65	Deg C

\*Note: Pacific Wireless does not supply the mounting pole or coax cable.

2400 - 2500 MHz	PAWSA24-12	PAWSA24-16
<i>Gain</i>	12dB	16.5 dB
<i>Horizontal Beam Width</i>	95 deg	95 deg
<i>Vertical Beam Width</i>	18 deg	7 deg
<i>Cross Pole</i>	25 dB	25 dB
<i>DownTilt</i>	10 deg	10 deg
<i>Wind Loading</i>		
100MPH	25 lbf	63 lbf
140MPH	48 lbf	124 lbf
100MPH: 1/2" Radial Ice	34 lbf	80 lbf
<i>Weight</i>	2.6 Lbs	3.9 Lbs
<i>Dimension (LxW)</i>	22"x 4.7" x 2.2"	60"x 4.7" x 2.2"

### Integrated Antenna Patterns





### Notes:

- All shipments F.O.B. Pacific Wireless Midwest Warehouse in Portage, Michigan 49024
- All antennas carry a 2 Year Warranty

**System Ordering:** PAWSA24-

Antenna Gain /  
 12 – 12dBi  
 16 – 16dBi

**For further information contact:**



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