



## Pacific Wireless

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# PAWVA24-16

## DATA SHEET

### Vagi Series Antenna

## 2400 to 2485 MHz Operation

### Features

- 16 dBi Antenna Gain
- Low Cost compared to other 16dBi Gain Antennas
- Very Low Wind Loading Aesthetic design
- Bracket Accommodates 1.0" to 1.5" Pole Diameter
- 45 Deg tilt and 360 Deg rotation adjustments
- Vertical or Horizontal Polarization
- 24" Pigtail with Type N Female or N Male Connector
- Rugged, Lightweight and Waterproof
- Frequency Options Available between 1700 and 2700 Mhz



\*16dBi Directional Vagi Antenna – Horizontal

### Applications

- 2.4 GHz ISM Band Applications
- WISP CPE Equipment
- Point to Multi-point Systems
- Wireless Broadband Systems
- Wireless Internet Access
- Building to building high speed links

### Description

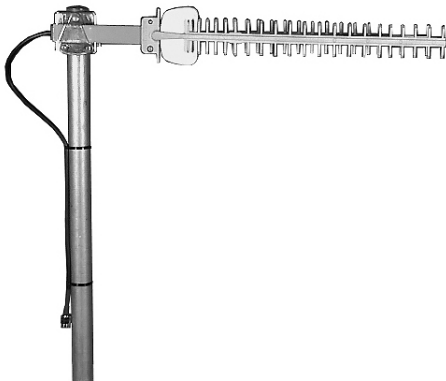
The Vagi Series antenna system offered by Pacific Wireless is constructed of Die Cast Aluminum Alloy with anti-corrosion alodine finish. They come standard with a choice of an N Female or N Male connector and an adjustable 45 Deg Tilt galvanized steel bracket which accommodates a 1" to 1.5" pole diameter. The Vagi Series antenna can be used in a wide variety of wireless systems where low cost, good performance and low wind loading are important factors. Various frequency options are available between 1700 and 2700 MHz (*Contact Pacific Wireless*).

### Specifications

Parameter	Model	Min	Typ	Max	Units
<i>Frequency Range</i>	PAWVA24-16	2400		2485	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>		1 25		1.5 38	inch mm
<i>Operating Temperature</i>		-45		+70	Deg C

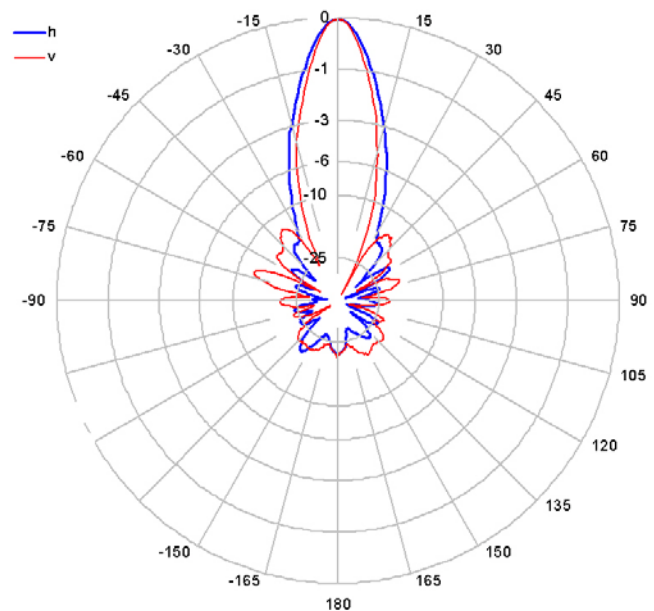
\*Note: Pacific Wireless does not supply the mounting pole

2400 - 2485 MHz	PAWVA24-16
<b>Gain</b>	16dB
<b>3db Beam Angle (E-Plane) Vertical Polarity</b>	25 deg
<b>3dB Beam Angle (H-Plane) Horizontal Polarity</b>	30 deg
<b>Front to Back</b>	> 19dB
<b>Rated Wind Velocity</b>	125mph (56m/sec)
<b>Weight</b>	1.5 Lbs (0.56 Kg)
<b>Dimension L x W x H</b>	22" x 3" x 4" (559 x 76 x 102mm)



16dBi VAGI Shown in Vertical Polarization

### Antenna Patterns at 2.45GHz



#### Notes:

- All shipments F.O.B. Draper, UT 84020
- All antennas carry a 2 Year Warranty

#### System Ordering:

PAWVA24-16 16dB Vagi Series 2.4GHz Antenna with N Male Connector

PAWVA24-16F 16dB Vagi Series 2.4GHz Antenna with N Female Connector

#### For further information contact:



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