

**Vagi Series Antenna**  
**2400 to 2485 MHz Operation**

**Features**

- Compact, Low Profile 16 dBi Antenna Gain
- Low Cost compared to other 16dBi Gain Antennas
- Very Low Wind Loading. Aesthetic design
- QuikClamp Bracket for 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**

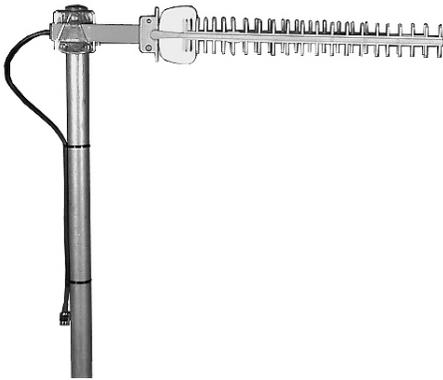
The Vagi Series antenna system offered by RF Linx Corporation is constructed of Die Cast Aluminum Alloy with anti-corrosion alodine finish. They come standard with a choice of an N Female or N Male connector and an adjustable 45 Deg Tilt galvanized steel QuikClamp bracket which accommodates a 1” to 1.5” 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. They have been approved for use by many homeowner associations with strict CC&R restrictions. Various frequency options are available between 1700 and 2700 MHz (*Contact RF Linx Corporation*).

**Specifications**

Parameter	Model	Min	Type	Max	Units
<i>Frequency Range</i>	RFL-VA-24-16	2400		2485	MHz
<i>Input Return Loss (S<sub>11</sub>)</i>			-14		dB
<i>VSWR</i>			1.5:1		
<i>Impedance</i>			50		OHM
<i>Input Power</i>			50		W
<i>Pole Diameter (OD)</i>		1 25		1.5 38	inch mm
<i>Operating Temperature</i>		-45		+70	Deg C

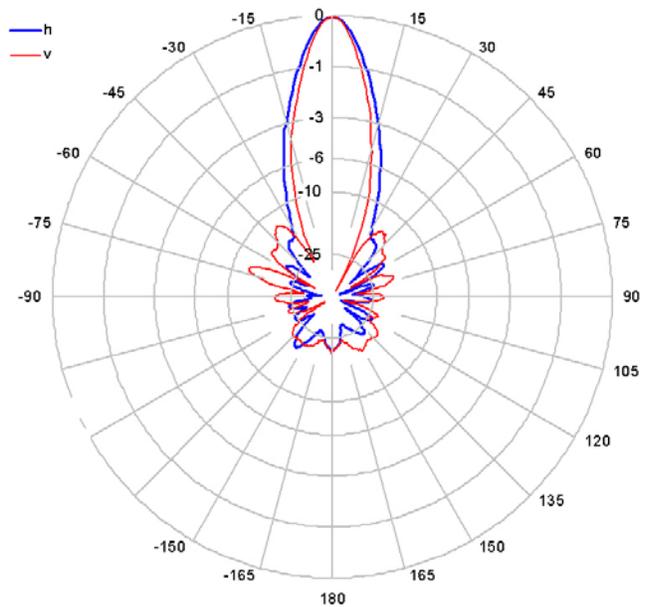
\*Note: RF Linx Corporation does not supply the mounting pole

2400 – 2485 MHZ	RFL-VA-24-16
<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



### System Ordering:

RFL-VA-24-16

16dBi Vagi Series 2.4GHz Antenna with N Male Connector

RFL-VA-24-16F  
Connector

16dBi Vagi Series 2.4GHz Antenna with N Female

### For further information contact:

