

NLOS Series Yagi Antenna 860 to 960 MHz Operation

Features

- High Gain Directional Antenna
- Available in 9, 11 and 13dBi gain models
- Stainless Steel Construction, Low Wind Loading
- Simple installation. Vertical or Horizontal Polarization
- 18" Pigtail with Type N Female Connector Standard
- DC Ground for lightning protection



11dBi Directional Yagi Antenna

Applications

- 900 MHz ISM Band Applications
- WISP CPE Equipment
- Non Line of Sight Applications
- Cellular Applications

Description

The NLOS Series antenna system offered by Pacific Wireless is constructed of Stainless Steel for outstanding service life. Individual elements are welded to the main beam for permanent attachment. Welded elements give more consistent signal performance because they ensure high conductivity across the antenna surface. These antennas have high gain and good front to back performance to minimize external interference. They can be mounted in vertical or horizontal polarization. They come standard with an 18" pigtail cable terminated with an N Female connector. Other connector types are available upon request.

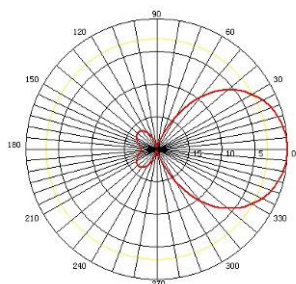
Specifications

Parameter	Min	Typ	Max	Units
<i>Frequency Range</i>	860		960	MHz
<i>VSWR</i>		1.5:1		
<i>Impedance</i>		50		OHM
<i>Input Power</i>			100	W
<i>Pole Diameter (OD)</i>	1 (25)		2 (51)	Inch (mm)
<i>Operating Temperature</i>	-45		+70	Deg C
<i>Rated Wind Velocity</i>			125 (56)	Mph (m/sec)

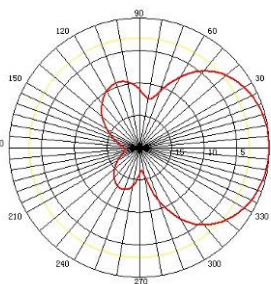
*Note: Pacific Wireless does not supply the mounting pole

860 – 960 MHz	YA9-9	YA9-11	YA9-13
<i>Gain</i>	9dB	11dB	13dB
<i>Number of Elements</i>	5	8	15
<i>Beamwidth</i>	53 deg	50 deg	30 deg
<i>Front to Back</i>	> 14dB	> 15dB	> 18dB
<i>Weight</i>	1.9 Lbs (0.7 Kg)	2.4 Lbs (0.9 Kg)	3.3 Lbs (1.25 Kg)
<i>Length Dimension</i> <i>Element width ~6" (152 mm)</i>	19.7" (0.5 m)	35.4" (0.9 m)	57" (1.45 m)

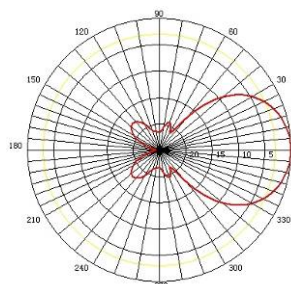
Antenna Patterns at 925 MHz



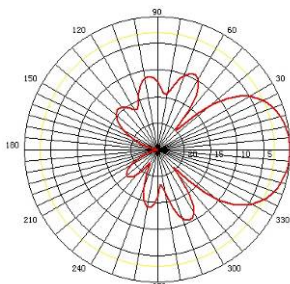
YA9-9 E Plane



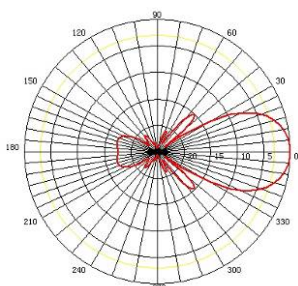
YA9-9 H Plane



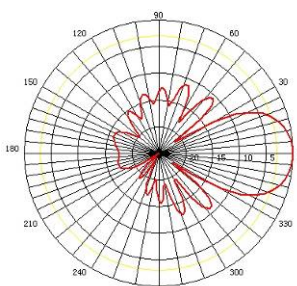
YA9-11 E Plane



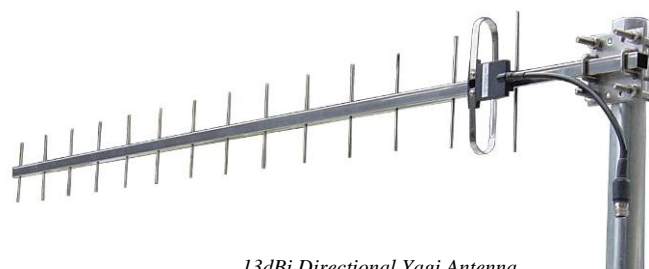
YA9-11 H Plane



YA9-13 E Plane



YA9-13 H Plane



13dBi Directional Yagi Antenna

Notes:

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

Windloading (lbs)

Model	Sq. In	100MPH	125MPH	100MPH 1/2" radial ice
YA9-9	19	4.75	7.42	8
YA9-11	29	7.25	11.3	12
YA9-13	45	11.3	17.6	21

System Ordering:

- YA9-9 9dB NLOS Series 900MHz Yagi Antenna with N Female Connector
- YA9-11 11dB NLOS Series 900MHz Yagi Antenna with N Female Connector
- YA9-13 13dB NLOS Series 900MHz Yagi Antenna with N Female Connector

For further information contact:



9dBi Directional Yagi Antenna



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