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NLOS Series Yagi Antenna 860 to 960 MHz Operation

The NLOS Series antenna system offered by Laird Technologies is constructed of stainless steel for outstanding service life. Individual elements are welded to the main boom 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.

Features and Benefits:

- 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

Applications

- 900 MHz ISM band applications
- Non line of sight applications
- WISP CPE equipment
- Cellular applications

For sales information:

Telephone 801-572-3024

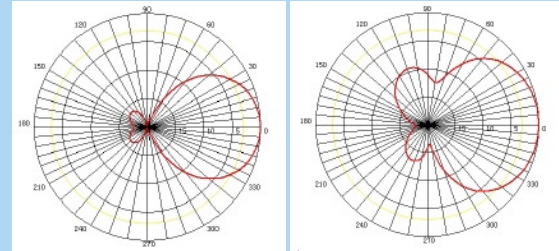
E-Mail sales@pacwireless.com

or visit: www.pacwireless.com

Specifications

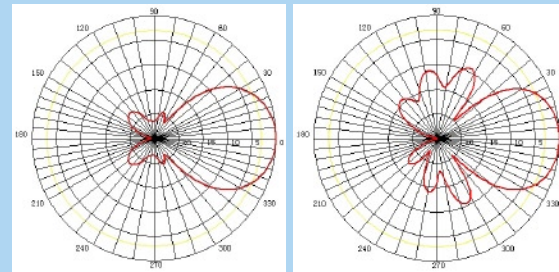
Parameter	Min	Typ	Max	Units
Frequency Range	860		960	MHz
VSWR		1.5:1		
Impedance		50 Ω		OHM
Input Power			100	W
Pole Diameter (OD)	1 (25)		2 (51)	In (mm)
Operating Temperature	-45		+70	Deg C
Rated Wind Velocity			125 (56)	Mph (m/sec)
860-960 MHz	YA9-9	YA9-11	YA9-13	
Gain	9dB	11dB	13dB	
Number of Elements	5	8	15	
Beamwidth	53 deg	50 deg	30 deg	
Front to Back	> 14dB	> 15dB	> 18dB	
Weight	1.9 Lbs (0.7 Kg)	2.4 Lbs (0.9 Kg)	3.3 Lbs (1.25 Kg)	
Length Dimension Element width ~6" (152 mm)	19.7" (0.5 m)	35.4" (0.9 m)	57" (1.45 m)	

Antenna Patterns



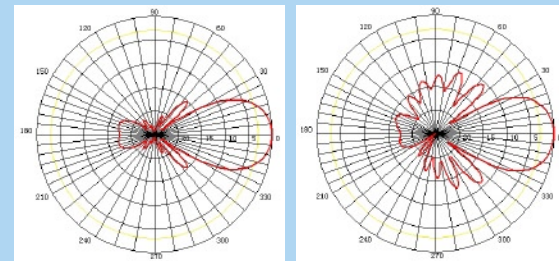
YA9-9
E-Plane

YA9-9
H-Plane



YA9-11
E-Plane

YA9-11
H-Plane



YA9-13
E-Plane

YA9-13
H-Plane

Wind Loading

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

Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty

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Specifications subject to change without notice.



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