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### Directional Die Cast Grid Antenna System 1700 to 2700 MHz Operation

The DC24 is a directional antenna system, which incorporates a 2-piece aluminum die cast parabolic grid type antenna reflector with a patented 50-ohm passive feed dipole. Installation is simple with the Laird Technologies adjustable tilt "Heavy Duty" bracket that comes standard. The bracket accommodates poles from 1" up to 2.0" OD. Brackets are full galvanized for extreme corrosion protection and each reflector comes complete with stainless steel hardware and complete assembly instructions. The dipole feed assembly comes with 30" LMR240 pigtail terminated with an N male or N female connector. Other connector configurations are available upon request.

#### Features and Benefits:

- Small size/reduced shipping cost
- 50-ohm passive feed dipole
- 30" pigtail with N male or N female Connector
- 24 dBi antenna gain; horizontal or vertical polarity
- Rugged, lightweight and waterproof
- Heavy duty adjustable tilt bracket
- 2-Piece powder coat painted die cast aluminum

#### Applications

- 2.4 GHz ISM Band Applications
- Wireless Internet Access
- Wireless Bridges
- Point to Point Repeaters
- MMDS Applications
- Streaming Video

For sales information:

Telephone 800-323-3757

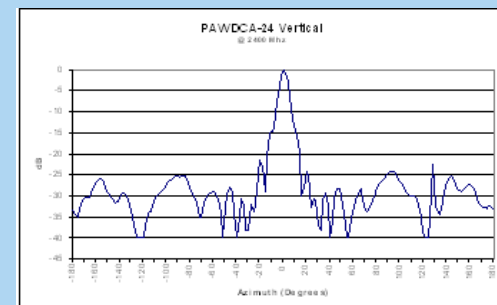
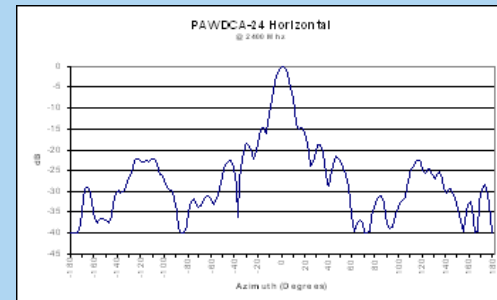
E-Mail [sales@pacwireless.com](mailto:sales@pacwireless.com)

or visit: [www.pacwireless.com](http://www.pacwireless.com)

## Specifications

Parameter	Model	Min	Typ	Max	Units
Frequency Range	PF-1 PF-2 PF-19 PF-18	2400 2100 1880 1750		2483 2686 1930 1850	MHz
Gain			24		dBi
Input Return Loss (S11)			-14		dB
VSWR			1.5:1		
3dB Beam Angle			8		deg
Cross Pole			26		dB
Front to Back		24			dB
Side Lobe				-20	dB
Impedance			50		OHM
Input Power				50	W
Focal Length			16 (40.6)		Inch (cm)
Dimension (LxW)			42 (107) x 24 (61)		Inch (cm)
Weight			5.5 (2)		Lbs (Kgs)
Pole Diameter (OD)		1 (25)		2 (50)	Inch (mm)
Operating Temperature		-45		+70	Deg C
Wind Loading: 100MPH 140MPH				80.5 (36.5) 126 (57)	Lbs. (kg)

## Antenna Patterns



## System Ordering:

DC24-HD-PF- - - - -

### Freq Range

PF1 – PMPF-1 2.4 GHz ISM Band  
PF2 – PMPF-2 2.5 GHz MMDS Band  
PF18 – PMPF-18 1.75 to 1.85 GHz  
PF19 – PMPF-19 1.88 to 1.93 GHz DECT

### Feed Option

P – Pigtail with N Male connector  
PF – Pigtail 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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