



Directional Antenna System

1700 to 2700 MHz Operation

Features

- Small Size/Reduced Shipping Cost
- 50 Ω 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



24dBi Antenna System*

Applications

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

Description

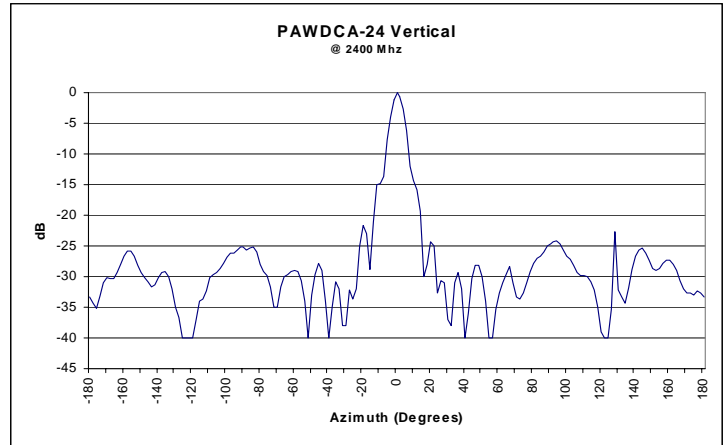
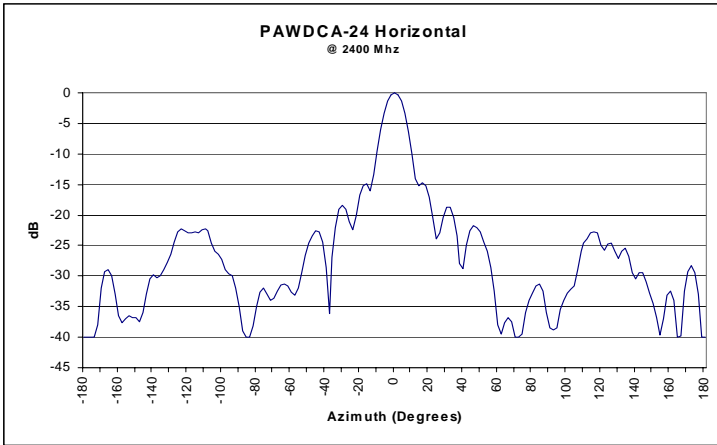
The DC24 is a directional antenna system, which incorporates a 2-piece aluminum die cast parabolic grid type antenna reflector with a patented 50-ohm passive feed dipole. Installation is simple with the Pacific Wireless adjustable tilt "Heavy Duty" bracket that comes standard. The bracket accommodates 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.

Specifications

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

*Note: Pacific Wireless does not supply the mounting pole. Antenna system assembly is required.

Antenna Patterns



Typical azimuth plots

Standard Packaging:

Model	Units per box	L x W x H	Weight	Dimensional Weight <small>(For Air Freight Calculations)</small>
DC24	5 Pack	24" x 22" x 10" (61 x 56 x 25cm)	46Lbs. (21Kgs)	46Lbs. (21Kgs)

Notes:

- Antenna is a 2-piece design requiring assembly. Mounting brackets are disassembled from the antenna reflector so the reflectors stack compactly, which saves volume in both shipping and warehouse storage.
- A complete antenna system includes one PMPF-xx, one antenna reflector assembly and adjustable tilt bracket with all necessary hardware for pole mounting.
- All shipments F.O.B. Pacific Wireless in Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty

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

- Blank – N Type Integrated Connector
- P** – Pigtail with N Male connector
- PF** – Pigtail with N Female connector

For further information contact:



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