



Pacific Wireless

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PAWMA24

DATA SHEET

2.4GHz Mobile Antennas

2.4 to 2.485 GHz Operation

Features

- 2.4GHz Omni Directional Mobile Antennas
- Available in 5.5dBi and 7dBi gain
- 5.5dB has Integral Magnetic Mount
- Magnetic Mounts ,Trunk Lid and Surface Mounts available for 7dbi

Applications

- 2.4 GHz ISM Band Applications
- Point to Multi-point Systems
- 2.4 GHz Mobile Applications
- Vehicular Antenna

Description

The 5.5dBi Omnidirectional Mobile Antenna is constructed of plated and powder coated steel. It has a plastic base with integral magnetic mount. It comes with a 6Ft long RG174 cable with a variety of connector options for almost any application.

The 7dBi Omnidirectional Mobile Antenna offered by Pacific Wireless are constructed of Stainless Steel base for long service life. Available mounts include small and large magnetic mounts, Thru Hole Surface mounts as well as Trunk Lid mounts. The antennas are vertically polarized. They come with a UHF Male connector as standard to mate with various mounts. The mounts come with 10 ft. of RG-58/U cable with N Female Connectors. Alternate connector configurations are available by request.

Note: The antennas must be mounted on a metal surface at least 1 Meter diameter for best performance.

Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	2400		2485	MHz
Input Return Loss (S₁₁)		-14		dB
VSWR		1.5:1		
Impedance		50		OHM
Input Power			50	W
Operating Temperature	-45		+70	Deg C

2400 - 2485 MHz	MA24-5	MA24-7	MM-90	MM-110	MM-TM	MM-SM-LP	MM-SM-B
Gain	5.5dB	7dB	Antenna Mounts				
Weight	3.2 Oz (100 g)	6.4 Oz (200 g)	1.5Lb (0.55Kg)	2.1Lb (0.8Kg)	.7Lb (0.32Kg)	.5Lb (0.23Kg)	.5Lb (0.23Kg)
Dimension	6 in (220 mm)	12 in (30 cm)	3.5" (90mm) Dia	4.3" (110mm) Dia	3" (76mm)	1.5"x1.25" (38 x 32mm)	1.75" x 2" (44 x 51mm)
Cable Length	6' (3.0M) RG174		10' (3.5M) RG-58/U				
Connector	N Male	UHF Male	UHF in N Female out	UHF in N Female out	UHF in N Female out	UHF in N Female out	UHF in N Female out

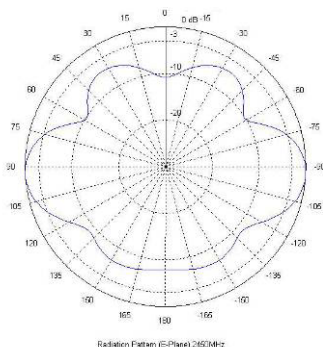


5.5dBi Mobile

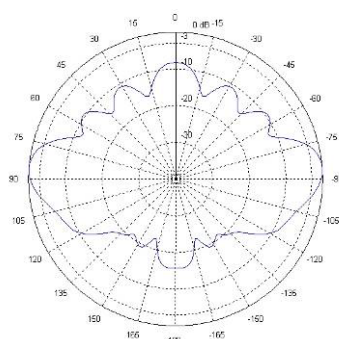


7dBi Mobile with
Magnetic Mount
(sold separately)

Antenna Patterns (E-Plane) at 2450Mhz



MA24-5



MA24-7



MM-SM-LP
Thru Hole Low
Profile Surface
Mount for Mobile
Antennas



MM-SM-B
Thru Hole Surface
Mount for Mobile
Antennas



MM-TM
Stainless Steel
Trunk Lid Mount
for Mobile
Antennas



MM-90
Magnetic Mount for 7dB
2.4GHz Antenna



MM-110
Large Magnetic Mount

Notes:

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

System Ordering:

MA24-5 NM	5.5dBi 2.4GHz Integrated MagMount Mobile - N Male Connector.
MA24-5 NF	5.5dBi 2.4GHz Integrated MagMount Mobile - N Female Connector
MA24-5 RSMA	5.5dBi 2.4GHz Integrated MagMount Mobile – RP SMA Connector (Dlink, smartBridges, etc)
MA24-5 MC	5.5dBi 2.4GHz Integrated MagMount Mobile – MCCard Connector (Lucent, Orinoco, etc)
MA24-5 RTNC	5.5dBi 2.4GHz Integrated MagMount Mobile – Reverse TNC Connector (Linksys, Cisco, etc)
MA24-7	7dB 2.4GHz Mobile Antenna with UHF Connector
MM-90	3.5" Diameter Magnetic Mount, 10' RG-58/U cable with N Female Connector
MM-110	4.3" Diameter Magnetic Mount, 10' RG-58/U cable with N Female Connector
MM-TM	Trunk Lid Mount for Mobile Antennas, 10' RG-58/U cable with N Female Connector
MM-SM-LP	Low Profile ThruHole Surface Mount for Mobile Antennas, 10' RG-58/U cable with N Female Connector
MM-SM-B	ThruHole Surface Mount for Mobile Antennas, 10' RG-58/U cable with N Female Connector

For further information contact:



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