



# Pacific Wireless

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# PAWMA9 DATA SHEET

## NLOS Series Mobile Antennas 900 to 928 MHz Operation

### Features

- 900MHz Omni Directional Mobile Antennas
- Available in 5.5 and 7dBi gain models
- Stainless Steel Construction
- Magnetic Mounts, Trunk Lid mounts and Surface Mounts available

### Applications

- 900 MHz ISM Band Applications
- Non Line of Sight Applications
- 900MHz Mobile Applications
- Point to Multi-point Systems

### Description

The NLOS Series Omnidirectional Mobile Antenna systems offered by Pacific Wireless are constructed of Stainless Steel for long service life. Available mounts include small and large magnetic 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.



5.5dBi Mobile

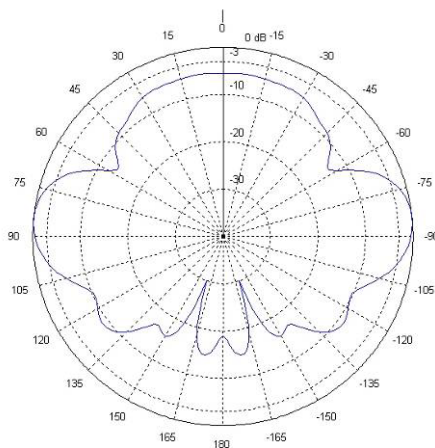
7dBi Mobile

### Specifications

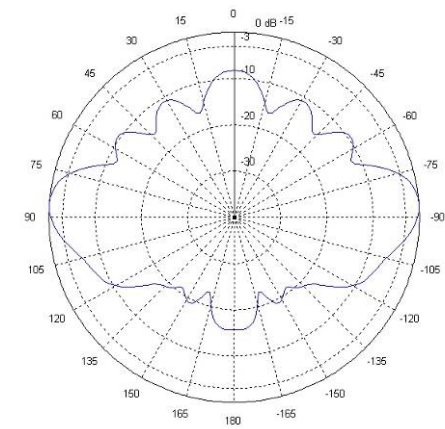
Parameter	Min	Typ	Max	Units
<i>Frequency Range</i>	900		928	MHz
<i>Input Return Loss (S<sub>11</sub>)</i>		-14		dB
<i>VSWR</i>		1.5:1		
<i>Impedance</i>		50		OHM
<i>Input Power</i>			100	W
<i>Operating Temperature</i>	-45		+70	Deg C

900 - 928 MHz	MA9-5	MA9-7	MM-90	MM-110	MM-TM	MM-SM-LP	MM-SM-B
<i>Gain</i>	5.5dB	7dB	Antenna Mounts				
<i>Weight</i>	3.9 Oz (120 g)	5.8 Oz (180 g)	1.5Lb ( 0.55Kg)	2.1Lb (0.8Kg)	0.7Lb (0.32Kg)	0.5Lb (0.23Kg)	0.5Lb (0.23Kg)
<i>Dimension</i>	16 in (40 cm)	20 in (50 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)
<i>Cable Length</i>	10' (3.5M) RG-58/U						
<i>Connector</i>	UHF 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

## Antenna Patterns at 910Mhz



MA9-5



MA9-7



**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



**MM-110**  
Large Magnetic Mount

### Notes:

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

### System Ordering:

<b>MA9-5</b>	5.5dB NLOS Series 900MHz Mobile Antenna with UHF Connector
<b>MA9-7</b>	7dB NLOS Series 900MHz Mobile Antenna with UHF Connector
<b>MM-90</b>	3.5" Diameter Magnetic Mount, 10' RG-58/U cable with N Female Connector
<b>MM-110</b>	4.3" Diameter Magnetic Mount, 10' RG-58/U cable with N Female Connector
<b>MM-TM</b>	Trunk Lid Mount for Mobile Antennas, 10' RG-58/U cable with N Female Connector
<b>MM-SM-LP</b>	Low Profile ThruHole Surface Mount for Mobile Antennas, 10' RG-58/U cable with N Female Connector
<b>MM-SM-B</b>	ThruHole Surface Mount for Mobile Antennas, 10' RG-58/U cable with N Female Connector

### For further information contact:



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