

RooTenna14 Panel Antenna 2400 to 2485 MHz Operation

Features

- RooTenna, the antenna with a pouch!
- Compact, Low Profile 14 dBi Antenna Gain
- Regular Version (9"x9"x2") and Low profile Version (9" x 9" x 1")
Weatherproof Radio Compartment. Low Profile available in White or Gray color.
- Vertical or Horizontal Polarization, Beamwidth 35 deg
- Available with RPSMA, RPTNC, MC Card, MMCX, RPMMCX and U.FL antenna connector



RT24-14



RT24LW-14

Applications

- Integrated Radio/ Antenna Units
- Amplified Antennas
- WISP CPE Equipment
- 802.11b/g Applications

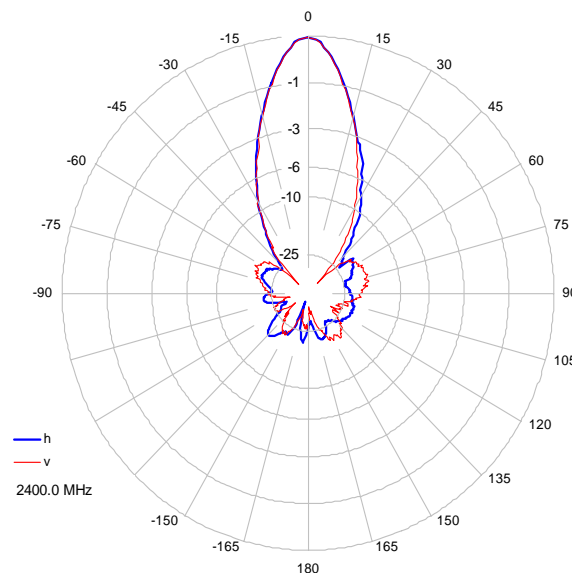
Description

The RooTenna14 panel antenna offered by Pacific Wireless is developed to allow integration of the customers' radio equipment inside the weatherproof compartment. The radio compartment is big enough to house transceivers, amplifiers, and other electronic equipment. Two sizes are available, our regular RooTenna and a Lower Profile RooTenna. The antenna design utilizes a suspended wire element over a solid 8.5" square backplane for more consistent performance over temperature and humidity conditions. The housing is UV stabilized ABS plastic. The backplate is alodine coated aluminum with stainless steel fasteners. All bracket fasteners are stainless steel for corrosion protection. There are qty 4 8-32 threaded standoffs provided inside the enclosure for customer mounting. Customer should supply a metal plate to utilize this mounting. Hole centers are on 6.45inch spacing (164mm).

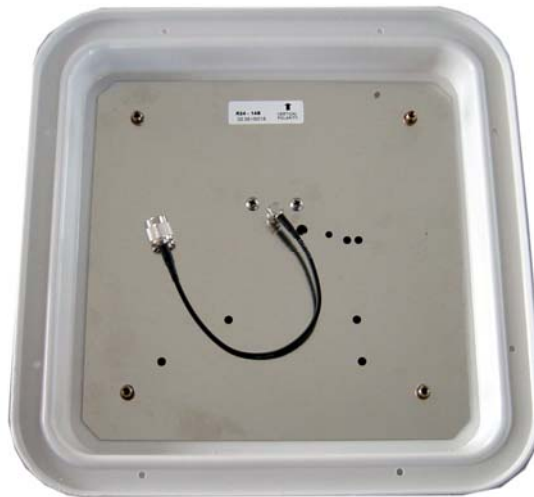
Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	2400		2485	MHz
VSWR		1.5:1		
Impedance		50		OHM
Input Power			20	W
Operating Temperature	-45		+70	Deg C
Gain		14		dBi
3dB Beam Angle (E-Plane)		35		Deg
3dB Beam Angle (H-Plane)		36		Deg
Front to Back	18			dB
Weight		29 (.8)		Oz (kg)
Dimension RT24 (L x W x H)	10.75" x 10.75" x 4" (267 x 267 x 102)			Inches (mm)
Dimension RT24L (L x W x H)	10.75" x 10.75" x 2.6" (267 x 267 x 67)			Inches (mm)

Antenna Patterns at 2.4GHz



<i>Wind Loading (Lbs)</i>	100MPH	125 MPH	100MPH with 1/2" Radial Ice
RT24-14	27.8	43.4	30



Notes:

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

System Ordering:

RT24 -14-

Style

- Blank** = Regular
- L** = Low Profile
- LW** = Low Profile White

Connector Type

- RSMA** = Reverse Polarity SMA Male
- RTNC** = Reverse Polarity TNC Male
- MC** = MC Card Plug Connector
- MMCX** = MMCX Plug Connector
- RMMCX** = Reverse Polarity MMCX Connector
- UFL** = U.FL (MHF) Miniature Connector

For further information contact:



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