Pacific Wireless
a unit of *LAIRD TECHNOLOGIES*®

New Higher Gain Wideband

RoHS compliant

RooTenna® 2 Panel Antenna
2300 to 2700 MHz Operation

Features

- **RooTenna®, the antenna with a pouch!**
- **Compact, Low Profile 15 dBi Antenna Gain**
- **Wideband Operation 2300-2700MHz**
- **Includes Ethernet feedthru with RJ45 Passthru and customer mounting plate**
- **Vertical or Horizontal Polarization, Beamwidth 30 deg**
- **Available with RPSMA, RPTNC, MC Card, MMCX, RPMMCX and U.FL antenna connector**

R2T24W-15

Applications

- **Integrated Radio/ Antenna Units**
- **Amplified Antennas**
- **WiMax Subscriber Units**
- **802.11b/g Applications**

R2T24LW-15

Description

The RooTenna® 2 panel antenna offered by Pacific Wireless was developed to allow integration of the customers' radio equipment inside the weatherproof compartment. The expanded 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 precision stamped metal 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. Included with the Roo2 are a customer mounting plate and an RJ45 passthru Ethernet feedthru.
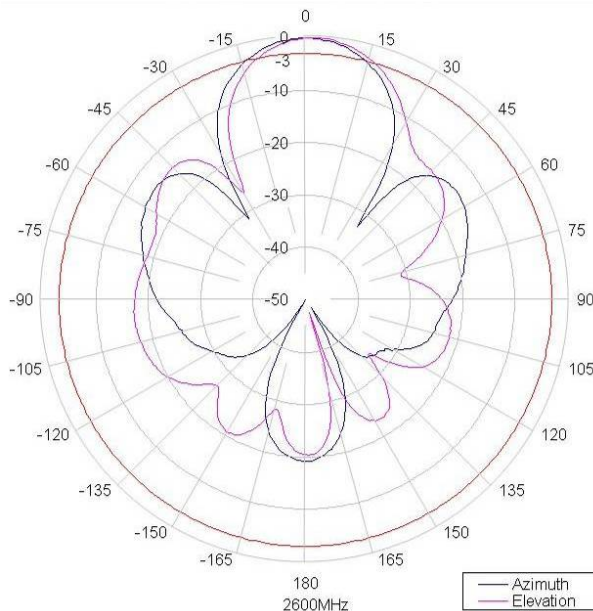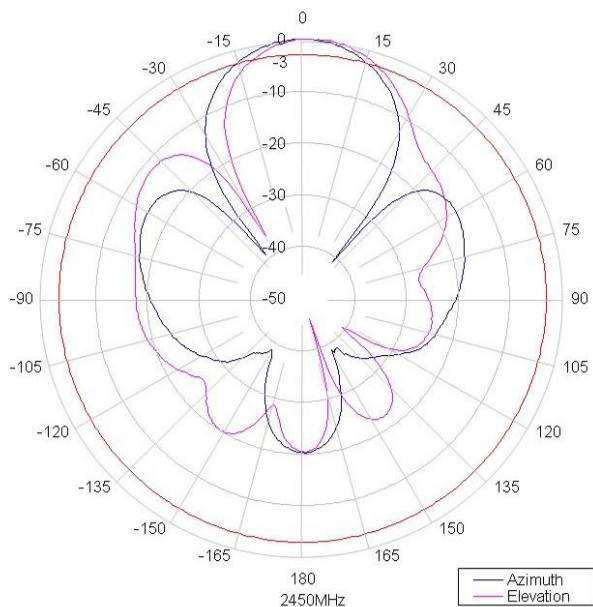
Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	2300		2700	MHz
VSWR		1.5:1		
Impedance		50		OHM
Input Power			20	W
Operating Temperature	-45		+70	Deg C
Gain		15		dBi
3dB Beam Angle (E-Plane)		30		Deg
3dB Beam Angle (H-Plane)		30		Deg
Front to Back	20			dB
Weight		29 (.8)		Oz (kg)
Dimension R2T24 (L x W x H)	10.75" x 10.75" x 3.5" (267 x 267 x 89)			Inches (mm)
Dimension R2T24L (L x W x H)	10.75" x 10.75" x 2.6" (267 x 267 x 67)			Inches (mm)

Wind Loading *(Lbs)*	100MPH	125 MPH
R2T24-15	27.8	43.4

R2T24-15

Antenna Patterns

2450MHz

— Azimuth
— Elevation

2600MHz

— Azimuth
— Elevation

Includes RJ45 passthru Ethernet Feedthru

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

Includes customer mounting plate

System Ordering:

R2T24 ☐☐-15-☐☐☐☐☐

Style
W = Regular White
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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