



## RooTenna® 2 Panel Antenna 2.4 & 5.8 GHz Operation

### Features

- RooTenna®, the antenna with a pouch!
- Dual Band: 2400-2485MHz 12dBi and Wideband 5150-5850MHz 15dBi
- Includes Ethernet feedthru with RJ45 Passthru and mounting plate
- Vertical or Horizontal Polarization
- Available with RPSMA, RPTNC, MC Card, MMCX, RPMMCX and U.FL antenna connector



R2T2458W



R2T2458LW

### Applications

- Integrated Radio/ Antenna Units
- Amplified Antennas
- Hi Speed Subscriber Units
- 802.11a/b/g Applications

### 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 new high efficiency dual band element array with a single SMA connector mounted over a solid 8.5" square backplane for consistent performance. 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.

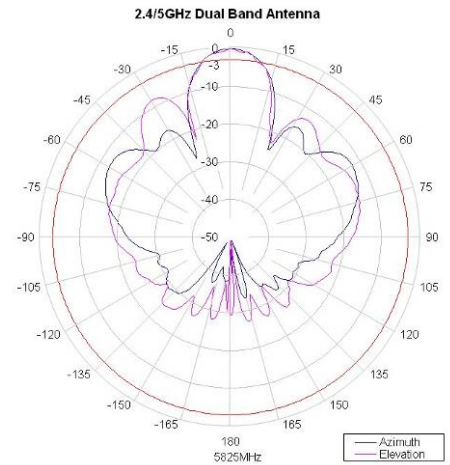
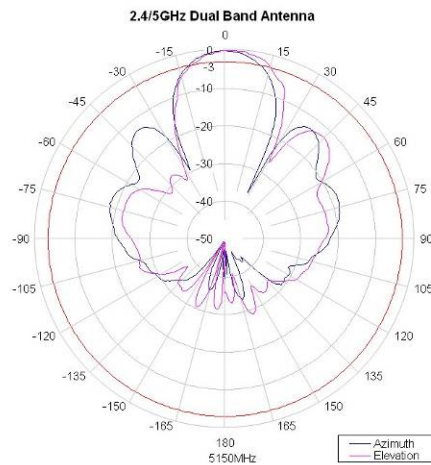
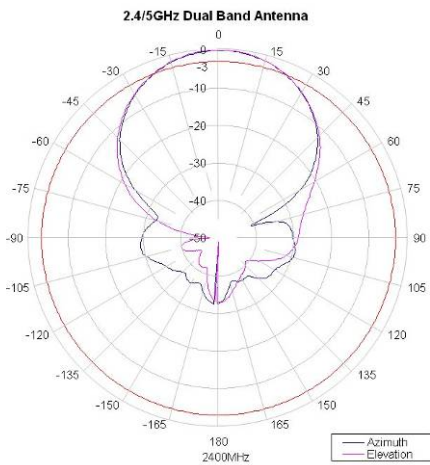
### Specifications

Parameter	Min	Typ	Max	Units
<b>Frequency Range- Dual Band</b>	2400 5150		2485 5850	MHz
<b>VSWR</b>		1.5:1		
<b>Impedance</b>		50		OHM
<b>Input Power</b>			20	W
<b>Operating Temperature</b>	-45		+70	Deg C
<b>Gain (2400-2485/5150-5850)</b>		12/15		dBi
<b>3dB Beam Angle (2450MHz)</b>		43		Deg
<b>3dB Beam Angle (5470MHz)</b>		22		Deg
<b>Front to Back</b>	25			dB
<b>Weight</b>		29 (.8)		Oz (kg)
<b>Dimension R2T2458W</b>	10.75" x 10.75" x 3.5" (267 x 267 x 89)			Inches (mm)
<b>Inside Dim R2T2458W</b>	9" x 9" x 2.25" (229 x 229 x 57)			Inches (mm)
<b>Dimension R2T2458LW</b>	10.75" x 10.75" x 2.6" (267 x 267 x 67)			Inches (mm)
<b>Inside Dim R2T2458LW</b>	9" x 9" x 1.5" (229 x 229 x 38)			Inches (mm)



Wind Loading (Lbs)	100MPH	125 MPH
<b>R2T2458</b>	27.8	43.4

## Antenna Patterns



**Includes RJ45 passthru Ethernet Feedthru**

### Notes:

- All antennas carry a 2 Year Warranty



**Includes customer mounting plate**

### System Ordering:

R2T2458 -

**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:



www.wlanparts.com