Laird TECHNOLOGIES®

R2T24-19

global solutions :
local support™

RooTenna® High Gain Panel Antenna

2400-2700 MHz Operation

The RooTenna® high gain panel antenna offered by Laird Technologies is designed to allow integration of the customer's radio equipment inside the weatherproof compartment. The radio compartment is big enough to house transceivers, amplifiers and other electronic equipment. The antenna design utilizes a unique suspended wire element over a solid backplane for more consistent performance over temperature and humidity conditions. The housing is UV stabilized ABS plastic. The backplate is alodine coated aluminium with stainless steel fasteners. All bracket fastners are stainless steel for corrosion protection.

Features and Benefits:

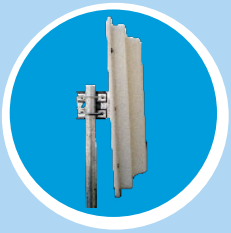
- RooTenna®, the antenna with a pouch!
- Low profile 19dBi antenna gain
- 16.25" x 14.75" x 1.25" weatherproof radio compartment
- Low heat absorption white UV protected housing
- Vertical or horizontal polarization, Beamwidth 15/20deg
- Available with RPSMA, RPTNC, MC Card, MMCX, RPMMCX and U.FL antenna connector

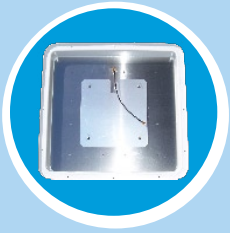
Applications

- Integrated radio/antenna units
- WISP CPE equipment
- WiMAX applications
- 802.11b/g applications

For sales information:
Telephone 800-323-3757
E-Mail sales@pacwireless.com

or visit: **www.pacwireless.com**



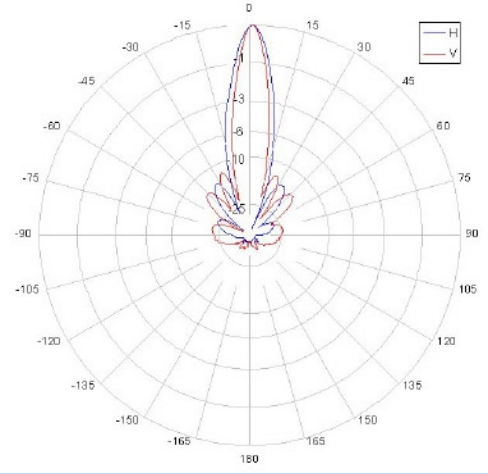


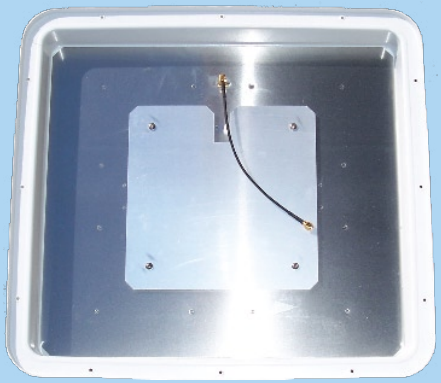
R2T24-19

Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	2400		2700	MHz
VSWR		1.5:1		
Impedance		50		OHM
Input Power			50	W
Operating Temperature	-45		+70	Deg C
Gain		19		dBi
3db Beam Angle (E-Plane)		19		Deg
3dB Beam Angle (H-Plane)		16		Deg
Front to Back	30			dB
Weight		6 (2.7)		Lb (kg)
Compartment Dim(L x W x H)	16.25" x 14.75" x 1.25" (413 x 375 x 32)			Inches (mm)
Outside Dim (L x W x H)	18.5" x 16.8" x 2.5" (470 x 427 x 64)			Inches (mm)

Antenna Pattern at 2.45GHz





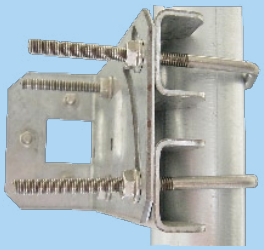
Wind Loading

	100MPH	125MPH	100MPH with ½" Radial Ice
Force (Lbs)	77.8	121	83

System Ordering:

R2T24-19-XXXX 2400-2700MHz 19dBi high gain RooTenna® compartment antenna

XXXX= connector type
Please specify RSMA, RTNC, MMCX, RMMCX, MC or UFL when ordering



Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty

RoHS compliant

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Specifications subject to change without notice.

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