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for a **Connected** World

# RD2458-5-OTDR

## Tri-Band Omnidirectional Outdoor Antenna



### TRI-BAND 2400/5300/5800 MHZ OPERATION OUTDOOR ANTENNA

Laird Technologies' Tri-Band RD2458-5-OTDR series antennas are high-gain (3dB @ 2.4GHz and 5dBi @ 5GHz) omnidirectional antennas designed for outdoor use. They are rugged and reliable. The antenna features a 360 degree horizontal transmission pattern and a 90 degree vertical transmission pattern.

#### FEATURES

- Tri-Band operation: 2.4GHz, 5.3GHz, 5.8GHz
- Extends range of wireless access points or wireless bridges
- N male connector

#### MARKETS

- 2.5,5.3GHz Wireless Access Points
- 2.5,5.3GHz Wireless Client Bridges
- 2.5,5.3GHz Wireless Routers
- Public safety wireless systems
- 802.11a/b/g wireless equipment

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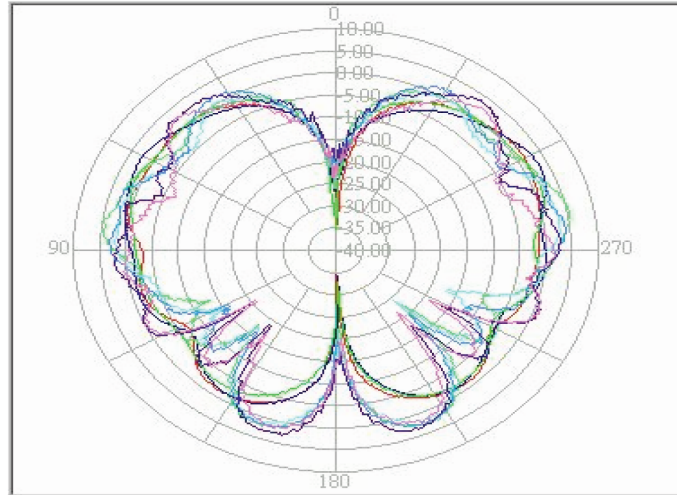
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#### ANTENNA PATTERNS



Freq (MHz)	peak (dBi)	Angle (o)	Avg (dBi)
2400.00	1.63	58.12	-2.24
2450.00	3.26	63.75	-1.75
2500.00	1.57	68.12	-2.33
5150.00	5.36	77.50	-0.63
5250.00	2.96	81.25	-1.93
5350.00	4.24	83.12	-1.05
5725.00	3.83	39.37	-0.57
5850.00	2.59	315.00	-2.10

#### SPECIFICATIONS

Part Number:	RD2458-5-OTDR
Frequency GHz:	2.4-2.5. 5.15-5.35 5.725-5.85 MHz
Gain:	2.0 dBi @2GHz 4.0 dBi @5GHz
3 dB Beamwidth-Azimuth:	Omnidirectional
3 dB Beamwidth-Elevation:	90°
Polarization:	Linear Vertical
VSWR:	2.0:1
RF Connector:	N (m) Reverse TNC
Power Rating:	10 W
Impedance	50 Ohm
Dimensions (mm):	7.6" x .05" (193 x 12.7)
Weight:	45.4g
Operational Temperature:	-10°C to +70°C
Mount Style:	Direct
RoHS:	Compliant

#### SYSTEM ORDERING INFORMATION

RD2458-5-OTDR-NM      TriBand 2.4/5.3/5.8GHz Omnidirectional – N male connector

#### NOTES

- All shipments F.O.B. Schaumburg, IL 60173

ANT-SPEC-RD2458-5-OTDR-0609

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