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Laird TECHNOLOGIES

Innovative **Technology** 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 (3 dB @ 2.4 GHz and 5 dBi @ 5 GHz) omnidirectional antennas designed for outdoor use. They are rugged and reliable.The antenna features a 360° horizontal transmission pattern and a 90° vertical transmission pattern.

### FEATURES RoHS

- Tri-Band operation: 2.4 GHz, 5.3 GHz, 5.8 GHz
- Extends range of wireless access points or wireless bridges
- N male connector
- IP-67 seal rating

### MARKETS

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

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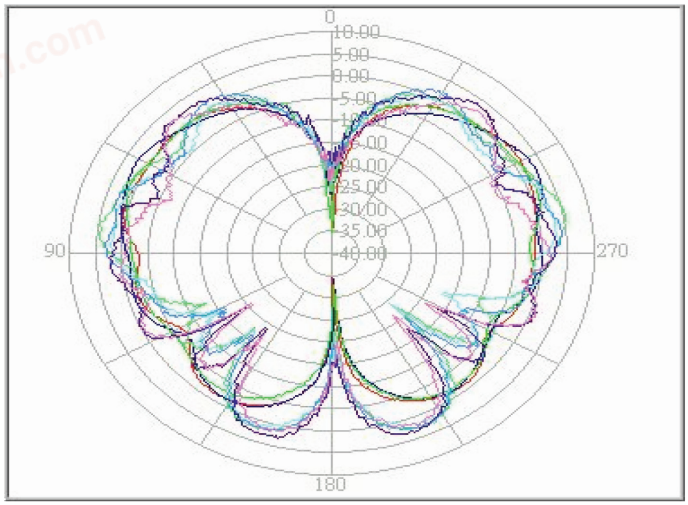
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## ANTENNA PATTERNS




| 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 @2 GHz 4.0 dBi @5 GHz |
| 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: | 7.6 x .05 in (193 x 12.7 mm) |
| Weight: | 45.4 g |
| Operational Temperature: | -10°C to +70°C |
| Mount Style: | Direct |
| Seal Rating: | IP-67 |
| RoHS: | Compliant |

## SYSTEM ORDERING INFORMATION

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

## NOTES

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



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