



### 2.4-2.5 / 5.1-5.9 GHz CEILING MOUNTED OMNI

The S2451DBT is a dual-band 6-element omnidirectional antenna for use in 802.11n MIMO applications. 3 ports are designed to operate at 2.4 GHz and 3 ports are designed to operate at 5 GHz. Housed in a compact, low-profile Radome, each of the six MIMO antenna elements is connected to the WLAN Access Point via a low loss, plenum-rated coax pigtail.

The radiation patterns are uniform and symmetrical, providing high levels signal density into defined coverage zones. This antenna will greatly enhance the performance of 802.11n systems. The dual band frequency coverage means that a single type of antenna can be deployed with any MIMO radio in the 2.4-2.5 GHz and 5.1-5.9 GHz bands. A wide choice of coax lengths and connector types are available.

#### FEATURES

- Vertically polarized omnidirectional
- Compact size
- 2.4-2.5 / 5.1-5.9 GHz, full 802.11b/a/g/n wide band performance
- Choice of pigtail length and connector type

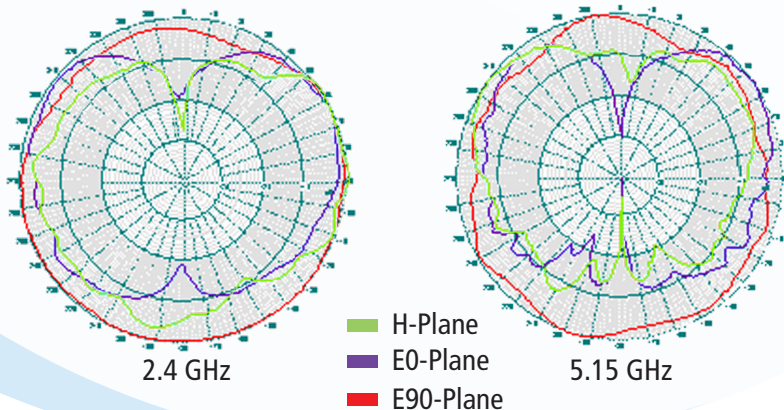
#### MARKETS

- Enterprise WLAN networks
- Campuses, hospitals, airports and other public spaces
- MIMO applications

#### SPECIFICATIONS

Frequency	2.4-2.5 GHz & 5.15-5.85 GHz
Gain @ 45° from horizon	2 dBi
VSWR	2:1
E-Plane (3 dB beamwidth)	75° @ 2.4-2.5 GHz / 42° @ 5.15-5.85 GHz
H-Plane (3 dB beamwidth)	Omnidirectional
Polarization	Linear, 6 Vertical
Enclosure	ASA
Antenna Weight lbs. (kg)	1.5 (0.7)
Power (watts)	5
Mounting	Ceiling suspended tile
Dimensions (mm)	219 x 44

#### ANTENNA PATTERNS



#### global solutions: local support™

Americas: +1.847.839.6907  
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12  
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022  
IAS-AsiaSales@lairdtech.com

[www.lairdtech.com](http://www.lairdtech.com)

ANT-DS-S2451DBT 0910

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user, since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2010 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trade marks or registered trade marks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.