Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

Dual-Band, 6-Port MIMO Antenna

S2451DBT

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

RoHS

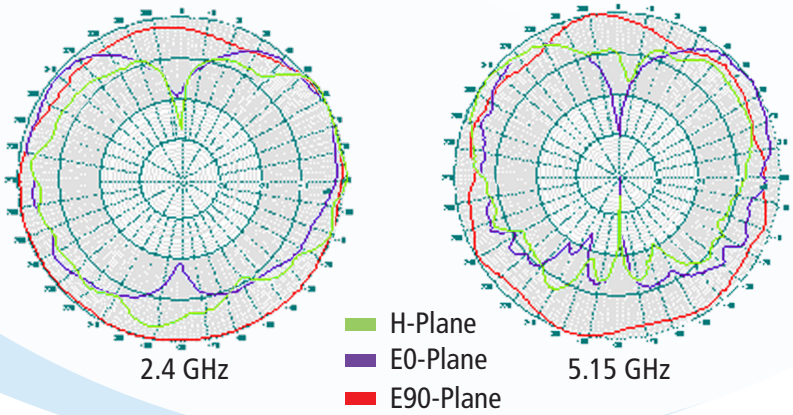
- Vertically polarized omnidirectional
- Compact size
- 2.4-2.5 / 5.1-5.9 GHz, full 802.11b/a/g/n wide band performance
- Choice of pigtail length and connector type

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

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