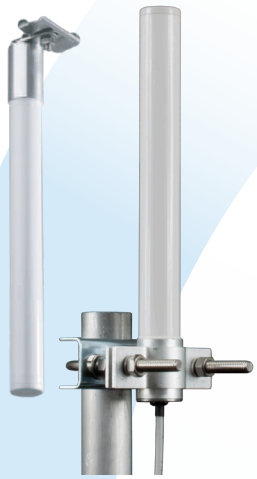
Laird TECHNOLOGIES

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

VERTICALLY POLARIZED OMNI ANTENNAS

S24512BPX



DUAL-BAND VERTICALLY POLARIZED OMNI ANTENNA

The wideband S24512BPX antenna offers full-band coverage for 802.11b/a/g/n and includes all hardware required to mount indoors or outdoors. The antenna provides the "no compromise" performance expected from a single-band radio system in a dual-band radio. While many dual-band antennas are a compromise between the two operating bands, the Laird Technologies S24512BPX provides full-band coverage and omnidirectional coverage over both bands. With a design assisted by Laird Technologies' proprietary optimization tools, performance and value are unparalleled.

FEATURES ✓RoHS

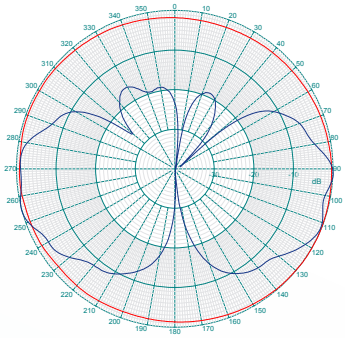
- Vertically polarized omnidirectional
- Rugged, lightweight and water resistant
- Compact size
- 2.4-2.5/5.1-5.85 GHz, full 802.11b/a/g/n wideband performance
- Choice of pigtail length and connector type

MARKETS

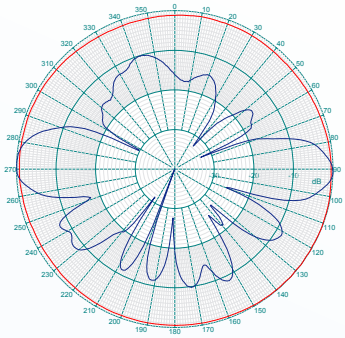
- Outdoor metropolitan mesh networks
- Enterprise WLAN networks
- Indoor/outdoor mast mounts
- High to medium density customer premise locations
- MIMO applications

Parameter	Performance
Frequency	2400-2500 /5150-5850 MHz
Gain	3 dBi Typical for 2.4 GHz 6 dBi Typical for 5.5 GHz
Input Impedance	50Ω
Elevation Plane Beamwidth	360°
Wind Surface Area	0.07 ft^2 (0.006 m^2)
Wind Survivability	125 mph (200 kph)
Weight	0.30 lb (0.14 kg)
Height	9.6 in (24.5 cm)
Nominal Impedance	50 Ohms
VSWR	2.0:1
Power Handling	10 Watts
Radiating Element	PC board
Enclosure	Polycarbonate
Connector	Reverse polarity SMA (male) standard, other connectors available upon request
Cable Length	36" (91.4 cm) Plenum standard, other lengths available upon request

ANTENNA PATTERNS



2.4 GHz



5.5 GHz

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

ANT-DS-S24512BPX 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 2009 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.