

External Wireless Device Antenna

WTBP – WLAN Tri-Band Blade



WTBP2450

Today's work and lifestyles require us to communicate anytime, anywhere whether on the move or sitting still. Bluetooth and 802.11 standards make wireless connections to computer networks and other devices possible, while at the same time enabling freedom of movement.

Laird Technologies' practical and rugged external wireless device antennas are designed to fit into the portable devices used in office, industrial and home environments. The antennas feature flexible elements and many are $0\frac{1}{2}$ wave coaxial dipole design for reduced ground dependence and improved performance.

FEATURES

- Snap-in/Captive
- Omnidirectional patterns at all frequencies with increased gain in upper bands for optimal coverage

MARKETS

- Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a and all U.S., European, and Japanese WLAN applications

PARAMETER	SPECIFICATION
Frequency	2.4 - 2.5 GHz 4.9 - 6.0 GHz
VSWR	2:1 max across all bands
Polarization	Vertical, Omnidirectional
Gain	2.0 dBi (2.45 GHz) 3.0 dBi (4.9 GHz) 3.7 dBi (5.25 GHz) 3.6 dBi (5.875 GHz)
Nominal Impedance	50 ohms
Temperature Range	-40°C to +85°C
Size	4.6" (180° straight or 4" (90° bent))

CABLE & CONNECTIONS

MODEL#	PART#	ELBOW	CONNECTOR	CABLE
WTBP2450-IP04-F	MAF94003	Fixed	IPEX MHF	100mm, Ø 1.13mm
WTBP2450-IP04-K	MAF94009	Knuckle	IPEX MHF	100mm, Ø 1.13mm
WTBP2450-FL04-F	MAF94023	Fixed	Flying lead	100mm RG-178
WTBP2450-FL04-K	MAF94025	Knuckle	Flying lead	100mm RG-178

Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

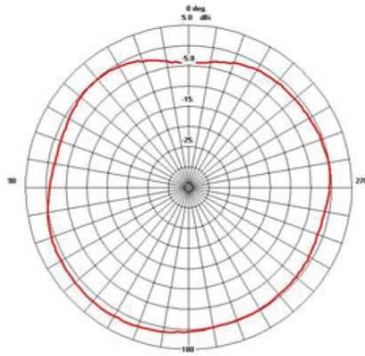
Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127
IAS-AsiaSales@lairdtech.com

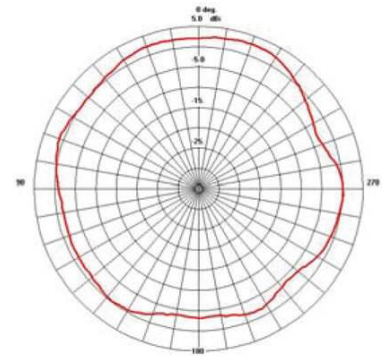
www.lairdtech.com

External Wireless Device Antenna

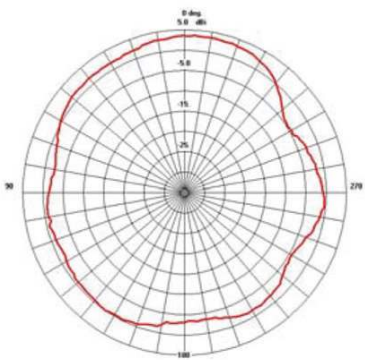
WTBP – WLAN Tri-Band Blade



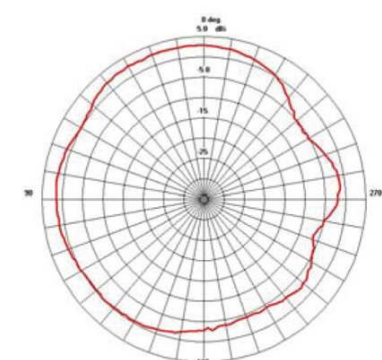
AZIMUTH
2.45 GHz



AZIMUTH
4.9 GHz



AZIMUTH
5.25 GHz



AZIMUTH
5.75 GHz

ANT-DS-WTBP 080114

Any information furnished by Laird, 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 materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2014 Laird, Inc. All Rights Reserved. Laird, the Laird Logo, and other marks are trade marks or registered trade marks of Laird, 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 or any third party intellectual property rights.