



global solutions :  
local support™

### WTS – WLAN Tri-Band External Wireless Device Antenna

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 1/2 wave coaxial dipole design for reduced ground dependence and improved performance.

#### Features and Benefits:

- Connector Mount
- Omni-directional patterns at all frequencies with increased gain in upper bands for optimal coverage
- Coaxial cable pigtail with various connector choices

#### Applications

- Fixed right-angle design for access points, gateways, and portable wireless devices
- 802.11a/b/g. Bluetooth
- 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.

For sales information:

In the USA, please telephone +800.228.4563

In Asia, please telephone +86.10.67.87.33.11

In Europe, please telephone +46.8.555.722.00

### Specifications:

- Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a and all US, European, and Japanese WLAN applications
- Omni-directional patterns at all frequencies with increased gain in upper bands for optimal coverage.

<b>Frequency</b>	2.4 - 2.5 GHz 4.9 - 5.875 GHz	
<b>Gain</b>	<b>WTS2450</b> 2.5 dBi (2.45 GHz) 3.6 dBi (4.9 GHz) 3.0 dBi (5.25 GHz) 3.4 dBi (5.875 GHz)	<b>WTS2450-RPSMA</b> 2.1 dBi (2.45 GHz) 2.4 dBi (4.9 GHz) 2.6 dBi (5.25 GHz) 3.4 dBi (5.875 GHz)
<b>Polarization</b>	Vertical, Omni-directional	
<b>Nominal Impedance</b>	50 ohms	
<b>VSWR</b>	2:1 max across all bands	
<b>Size</b>	95.9 mm (180° straight) or 75.4 mm (90° bent) x 9.3 mm dia.	

### Cable & Connectors:

Model #	Part #	Cable	Connector
WTS2450-IP04	MAF94016	100mm, Ø 1.13mm	IPEX MHF
WTS2450-FL04	MAF94035	100mm, RG-178	Flying lead
WTS2450-RPSMA	MAF94051		RP-SMA

Any information furnished by Laird Technologies and its agents is believed to be accurate and reliable. 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 domestic terms and conditions of sale in effect from time to time, a copy of which will be furnished upon request.