

# WTX Antenna

## External Wireless Dipole Antenna



### WTX EXTERNAL WIRELESS DIPOLE ANTENNA

The evolution of technology has brought the need to communicate everywhere and at all times without being confined to one space. 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 external wireless antenna feature flexible elements and many are ½ wave coaxial dipole designs for reduced ground dependence and improved performance.

#### FEATURES

- Covers 2.3 to 2.7 GHz and 3.3 to 3.9 GHz
- Support all WiMAX operating frequency bands in one solution
- Connector mount
- Omnidirectional gain patterns
- Conformance to RoHS

#### MARKETS

- 802.11 b/g/n WLAN applications
- Bluetooth® devices
- WiMAX MMDS
- WiMAX 3.5 GHz

Specifications	WTL2449S
Frequency	2.3 to 2.7 GHz, 3.3 to 3.9 GHz
Gain	2.3 dBi (2.3 to 2.7 GHz), 2.7 dBi (3.3 to 3.9 GHz)
Average Efficiency	58% (2.3 to 2.7 GHz), 65% (3.3 to 3.9 GHz)
Polarization	Vertical, Omnidirectional Radiation pattern
Nominal Impedance	50 Ohms
VSWR	< 2 : 1 (2.3 to 3.9 GHz)
Size	95.9 mm (180° straight) or 75.4 mm (90° bent) x 9.3 mm dia.

### CABLES AND CONNECTORS

Part No.	Connector
WTS2333C-FRSMM	RP-SMA

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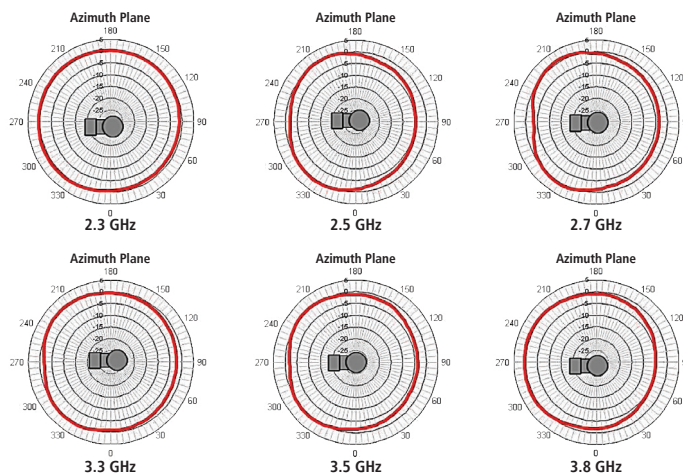
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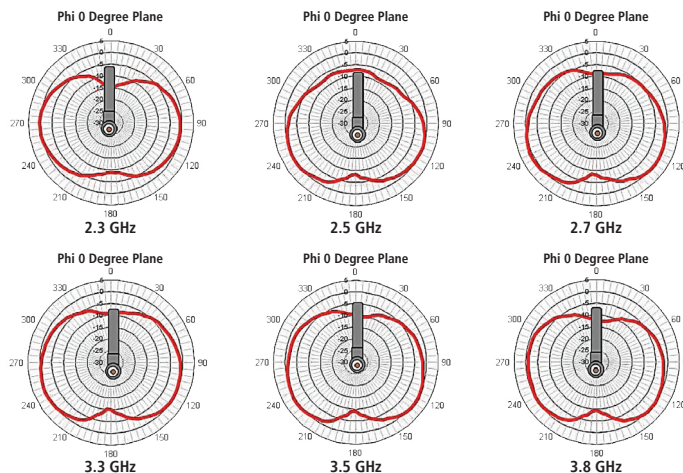
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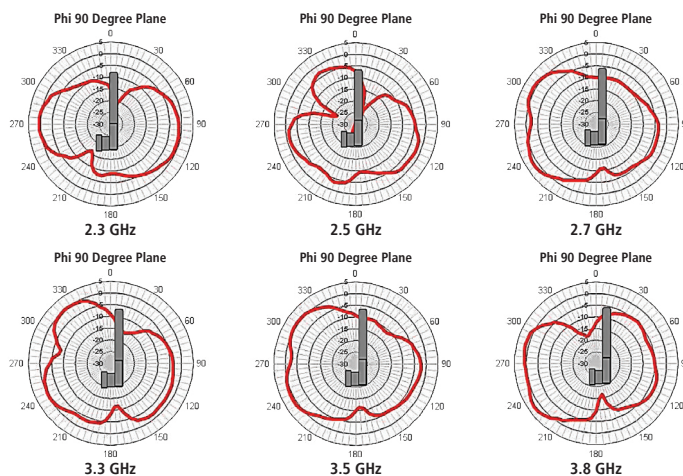
### Typical Radiation Patterns (Azimuth Plane - Theta 90°)



### Typical Radiation Patterns (Elevation 0° Plane - Phi 0°)



**Typical Radiation Patterns  
(Elevation 90° Plane - Phi 90°)**



ANT-DS-WTS2333C-FRSM 0511

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