Laird TECHNOLOGIES

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

Dielectric Loaded PIFA Antenna

WIP2450-I

The evolution of technology has brought the need to communicate everywhere and at all times without being confined to one space. Laird Technologies' internal wireless device antennas feature wide bandwidth to enhance the performance and application of portable wireless devices based on standards such as 802.11 and Bluetooth®. The antennas are specifically designed to be embedded inside devices for aesthetically pleasing integration with high durability.

FEATURES

- Directional pattern with low backscatter

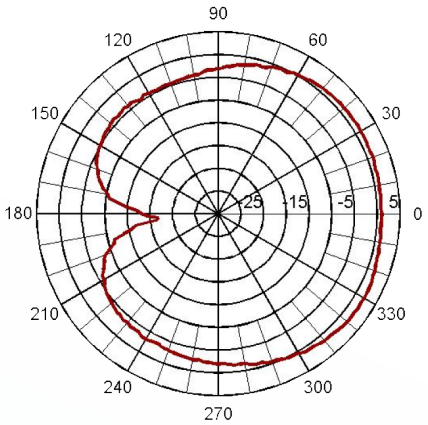
MARKETS

- WiMAX

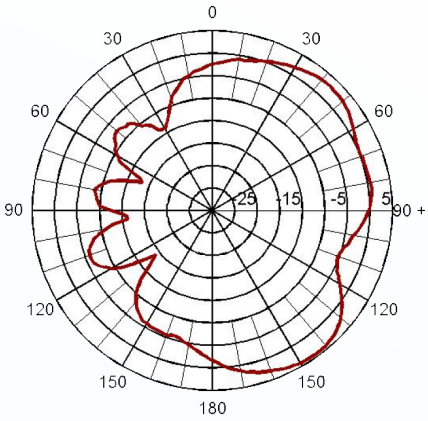
SPECIFICATIONS

PARAMETER	
Frequency range	2.4-2.5 GHz
Polarization	Mixed
Peak gain	>4.0 dBi (elevation phi=0)
Average gain	>-1.5 dBi (elevation phi=0)
Nominal impedance	50 ohms
VSWR (min. performance	<2.0:1
Radiating elements size (L x W x H)	16 x 16 x 8 mm
Ground plane size (L x W x H)	30 x 25 x 0.3 mm
Connector	Loaded internal

ANTENNA PATTERNS



Azimuth Plane @ 2.45 GHz



Elevation Plane @ 2.45 GHz
phi = 0

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