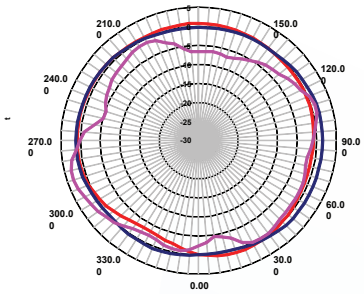
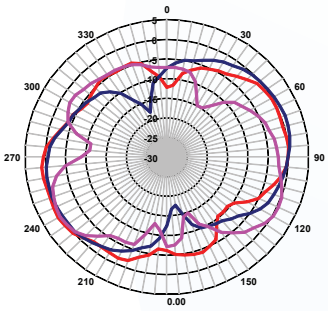
Smart Technology. Delivered.™

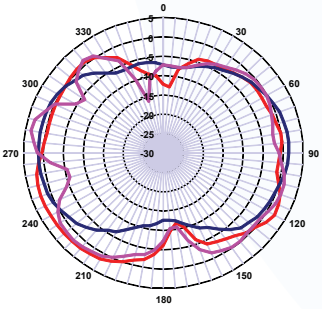
Maxblade
Internal Wireless Device Antenna

MAXBLADE INTERNAL EMBEDDED ANTENNA

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 cover various applications in single antenna from 802.11, 802.16, and Bluetooth®. The antennas are specifically designed to be embedded inside devices for aesthetically pleasing integration with high durability.







FEATURES RoHS

- Covers 2.3 to 6 GHz band. This band includes 802.11 abg and 802.16
- Coaxial cable pigtail with various connector choices
- Omnidirectional patterns at all frequencies with increased gain in upper bands for optimal coverage
- Conformance to RoHS

MARKETS

- 802.11 devices
- 802.16 devices
- Bluetooth® devices
- WiMAX

ELECTRICAL SPECIFICATIONS	
Frequency	2.3 - 6 GHz
Gain	4 dBi (2.3-2.7 GHz), 2.1 dBi (3.3-3.8 GHz) and 4 dBi (4.9-5.875 GHz)
Polarization	Vertical, Omnidirectional radiation pattern
Nominal Impedance	50 ohms
VSWR	2:1 max across all bands (typical)
Size	2 in x 0.65 in

Note: There will be some variance of spec with different types of cable, different lengths of cable, and connector. Contact Laird Technologies for detail specification.

CABLE AND CONNECTORS

PART NUMBER	CABLE	CONNECTOR
EMX2360A1-10UFL	100 mm, Ø 1.13 mm	IPEX MHF
EMX2360A1-15UFL	150 mm, Ø 1.13 mm	IPEX MHF
EMX2360A1-20UFL	200 mm, Ø 1.13 mm	IPEX MHF
EMX2360A1-25UFL	250 mm, Ø 1.13 mm	IPEX MHF

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