



MAXBLADE INTERNAL EMBEDDED ANTENNA

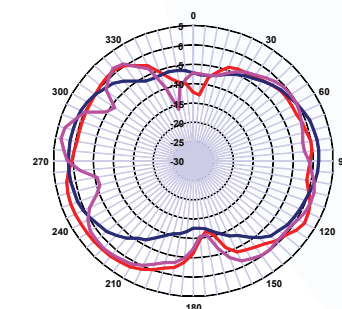
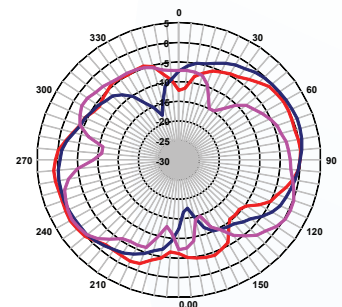
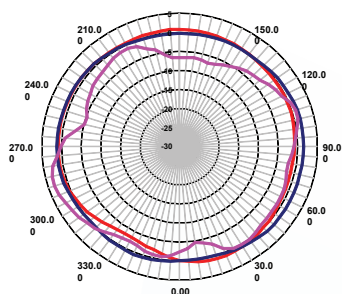
The evolution of technology has brought the need to communicate everywhere and at all times without being confined to one space. Laird Technologies' internal wireless device antennas feature wide bandwidth to cover various applications in single antenna from 802.11, 802.16, and Bluetooth®. The antennas are specifically designed to be embedded inside devices for aesthetically pleasing integration with high durability.

FEATURES

- 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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