

The Laird Mini NanoBlade Flex antenna features a flexible printed circuit board that supports WLAN applications. The flexible board can be embedded in space-sensitive applications where a curved housing does not provide a flat surface for antenna mounting. The antennas are specifically designed to be embedded inside devices for aesthetically pleasing integration.

FEATURES AND BENEFITS

- Dual-band frequency coverage
- RoHS Compliant (2011/65/EU)
- Flexible PCB for mounting in curved housing

| ELECTRICAL SPECIFICATIONS | | |
|---------------------------|---------------------------|-----------|
| Operating Frequency (MHz) | 2400-2500 | 4900-5875 |
| Gain (dBi) | 2.79 | 3.38 |
| Efficiency (%) | 68 | 59 |
| VSWR | 2:1 | |
| Polarization | Vertical, Omnidirectional | |
| Nominal Impedance (ohms) | 50 | |

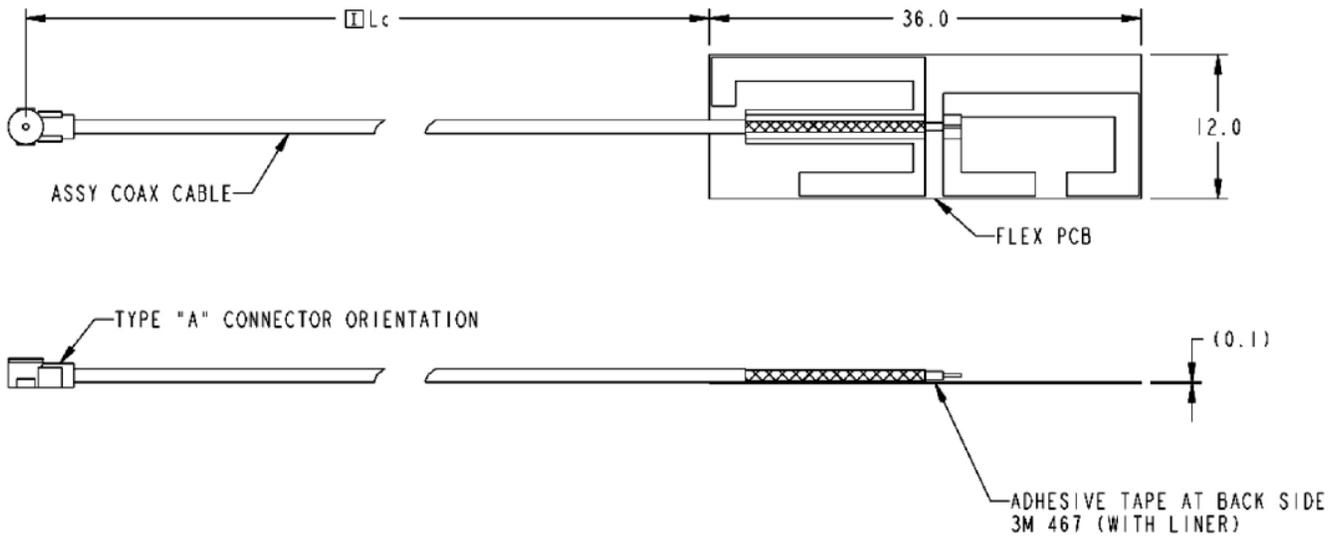
| MECHANICAL SPECIFICATIONS | |
|---|-------------------------------------|
| Dimensions (diameter x height) – mm (in.) | 36 x 12 x 0.1 (1.42 x 0.47 x 0.004) |
| Hazardous Materials Compliance | RoHS Compliant (2011/65/EU) |

CONFIGURATION

| PART NUMBER | CABLE LENGTH | CONNECTOR | ORIENTATION |
|-----------------|---------------------------|------------|-------------|
| MAF95310 | 185 mm (1.13 mm diameter) | IPEX MHF I | A |
| EMF2449A1-10UFL | | u.FL | |

Note: This antenna is available in many connector and cable configurations. Contact us at 1-847-839-6925 or [IAS-AmericasSales@lairdtech.com](mailto:AmericasSales@lairdtech.com) for more information.

MECHANICAL DRAWING

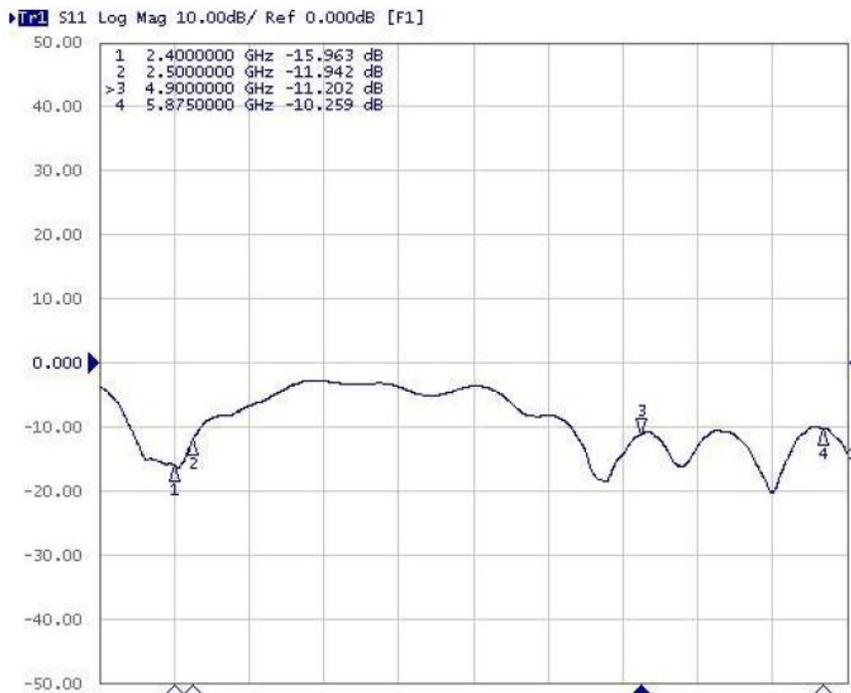


| | |
|--|---|
| | A |
| | B |
| | C |
| | D |

TYPE OF CONNECTOR ORIENTATION (REFER TABLE . I)

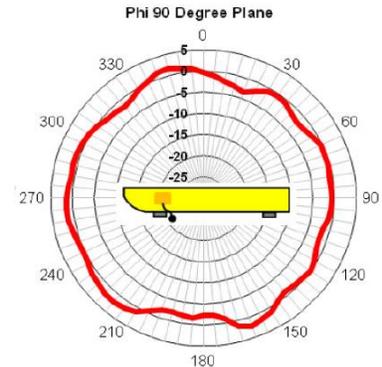
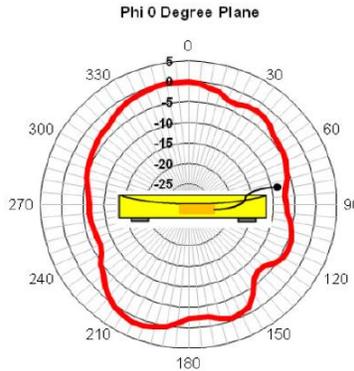
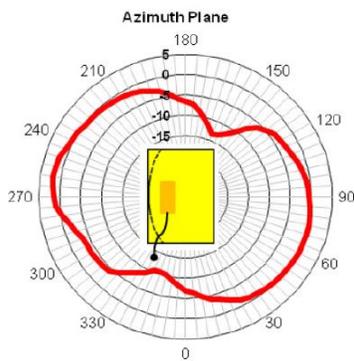
TABLE . I

RETURN LOSS

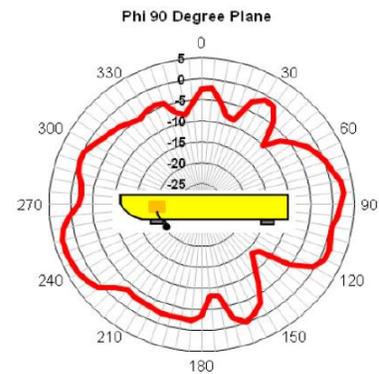
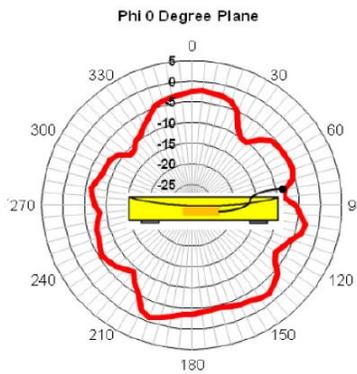
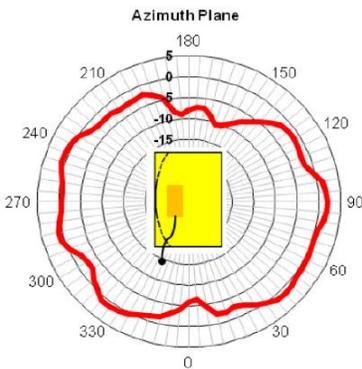


RADIATION PATTERNS

2450 MHz



5470 MHz



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