



Smart Technology. Delivered.

Mini NanoBlade Flex Antenna EMF2449



EMF2449 MINI NANOBLADE FLEX ANTENNA

The Laird EMF2449 internal wireless antennas feature flexible printed circuit board type antenna that is multiband character to support WLAN application. The antennas are specifically designed to be embedded inside devices by adhered the antenna to device housing internally for aesthetically pleasing integration.

FEATURES

- Covering dual band frequencies:
2.4 GHz to 2.5 GHz and 4.9 GHz to 5.875 GHz
- Conformance to RoHS

MARKETS

- 802.11 b/g/n WLAN applications
- Bluetooth®

SPECIFICATIONS

PARAMETER	PERFORMANCE
Frequency	2400-2500 MHz, 4900-5850 MHz
Gain	1 dBi @ 2450 MHz 3 dBi @ 5470 MHz
VSWR	2:1
Average Efficiency	68% @ 2.4 GHz 59% @ 5 GHz
Polarization	Vertical, Omni-directional Radiation Pattern
Nominal Impedance	50 Ω
Mechanical Size	36 mm x 12 mm x 0.1 mm
RoHS	Compliant

* The antenna specification based on the antenna adheres to a plastic housing. It will vary according to customer design environment.

Americas: +1.847 839.6925
IAS-AmericasSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia:
IAS-AsiaSales@lairdtech.com

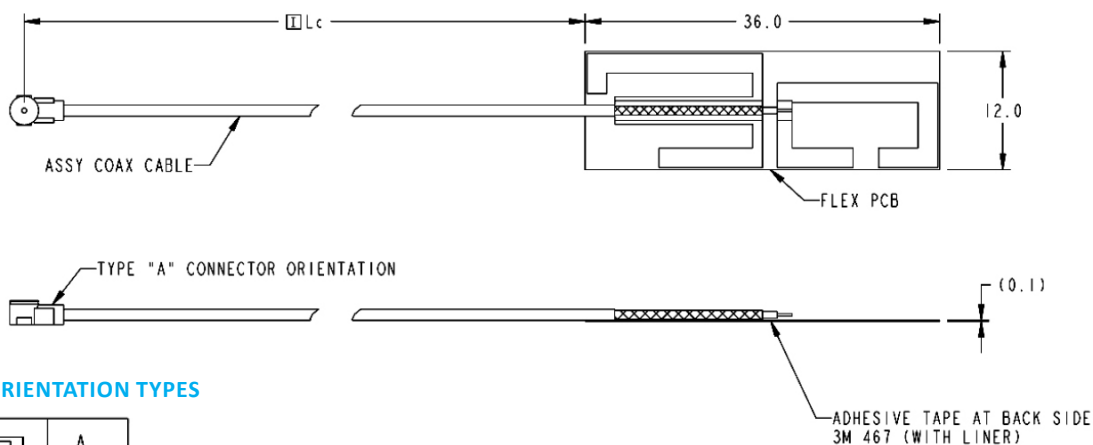
Middle East & Affrica: +44.1628.858941
IAS-MEASales@lairdtech.com

www.lairdtech.com





CABLES AND CONNECTORS

Part Number	Cable	Connector	Orientation
EMF2449	1.13 coax cable, $L_c = 185 \pm 4$ mm	IPEX MHF I	A

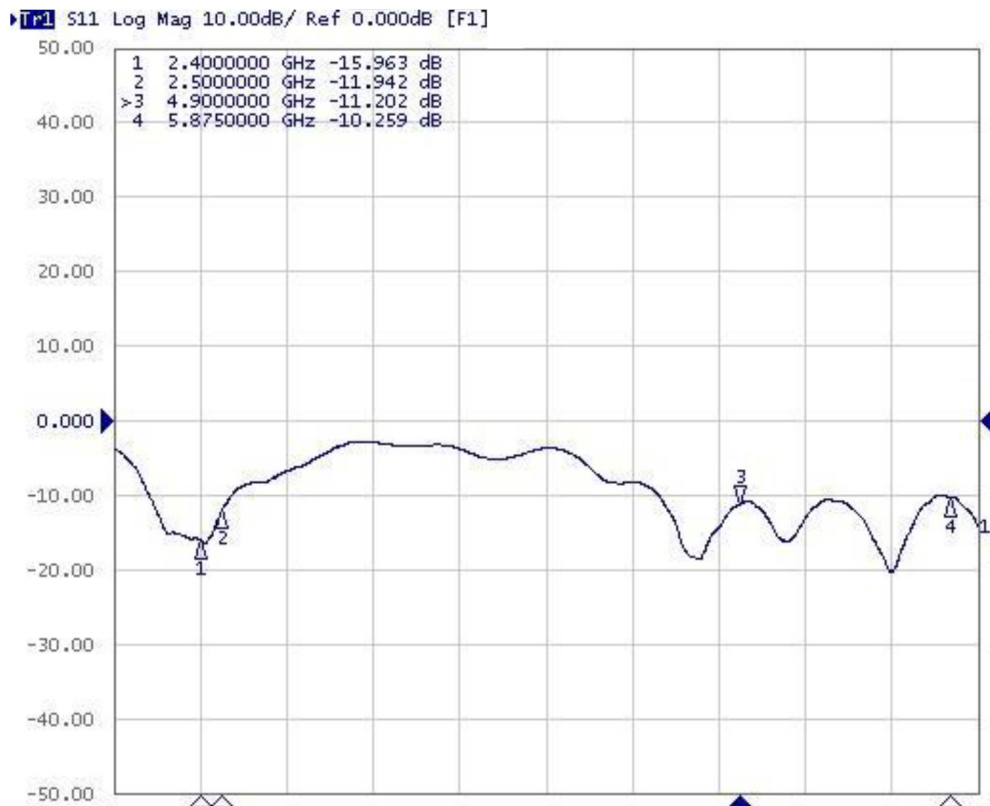
* Alternative cable and connector configurations are available for this part. Contact us at 1.847.839.6925 or IAS-AmericasSales@lairdtech.com for more information.



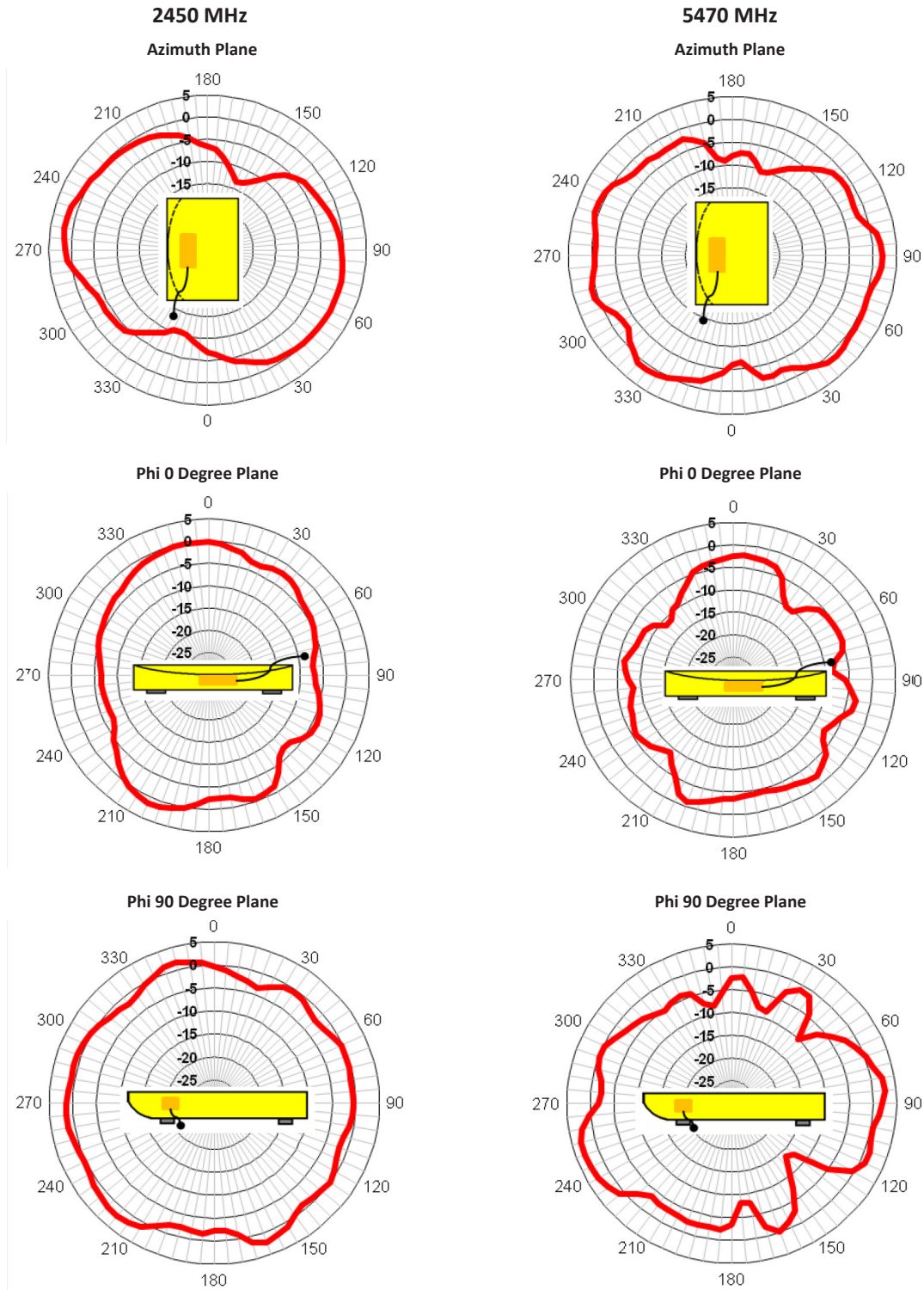
CONNECTOR ORIENTATION TYPES

	A
	B
	C
	D

EMF2449 RETURN LOSS



TYPICAL RADIATION PATTERNS



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