

**MAF95310 MINI NANOBLADE FLEX ANTENNA**



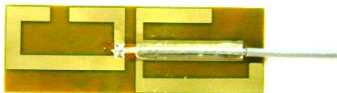
Laird Technologies' internal wireless antennas feature flexible printed circuit board type antenna that is multiband character to support WLAN application. The antennas are specifically designed to be embedded inside devices by adhered the antenna to device housing internally for aesthetically pleasing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

**FEATURES** 

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

**MARKETS**

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



**TYPICAL ELECTRICAL SPECIFICATIONS**

Frequency	2.4 GHz ~ 2.5 GHz, 4.9GHz ~ 5.875 GHz
Gain	2.79 dBi @ 2.4 GHz 3.38 dBi @ 5 GHz
VSWR	2:1
Average Efficiency	68% @ 2.4 GHz 59% @ 5 GHz
Polarization	Vertical, Omni-directional Radiation Pattern
Nominal Impedance	50 Ohms
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.

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Americas: +1.847.839.6907  
IAS-AmericasEastSales@lairdtech.com

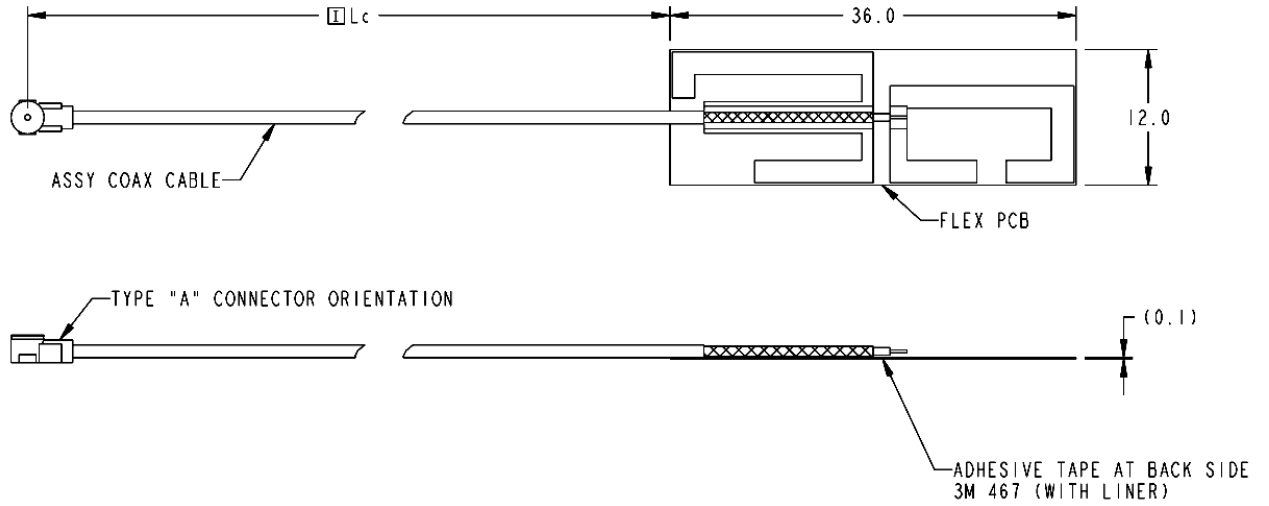
Europe: +1.32.80.7866.12  
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022  
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

**Cables and Connectors**

Part No	Cable	Connector	Orientation
MAF95310	1.13 coax cable, Lc = 185±4 mm	IPEX MHF I	A

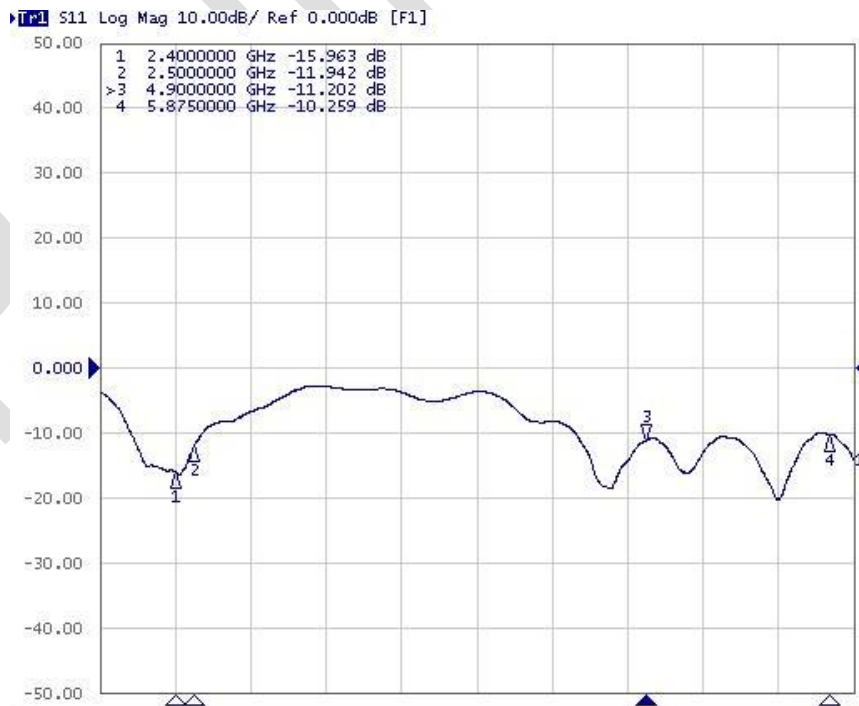


	A
	B
	C
	D

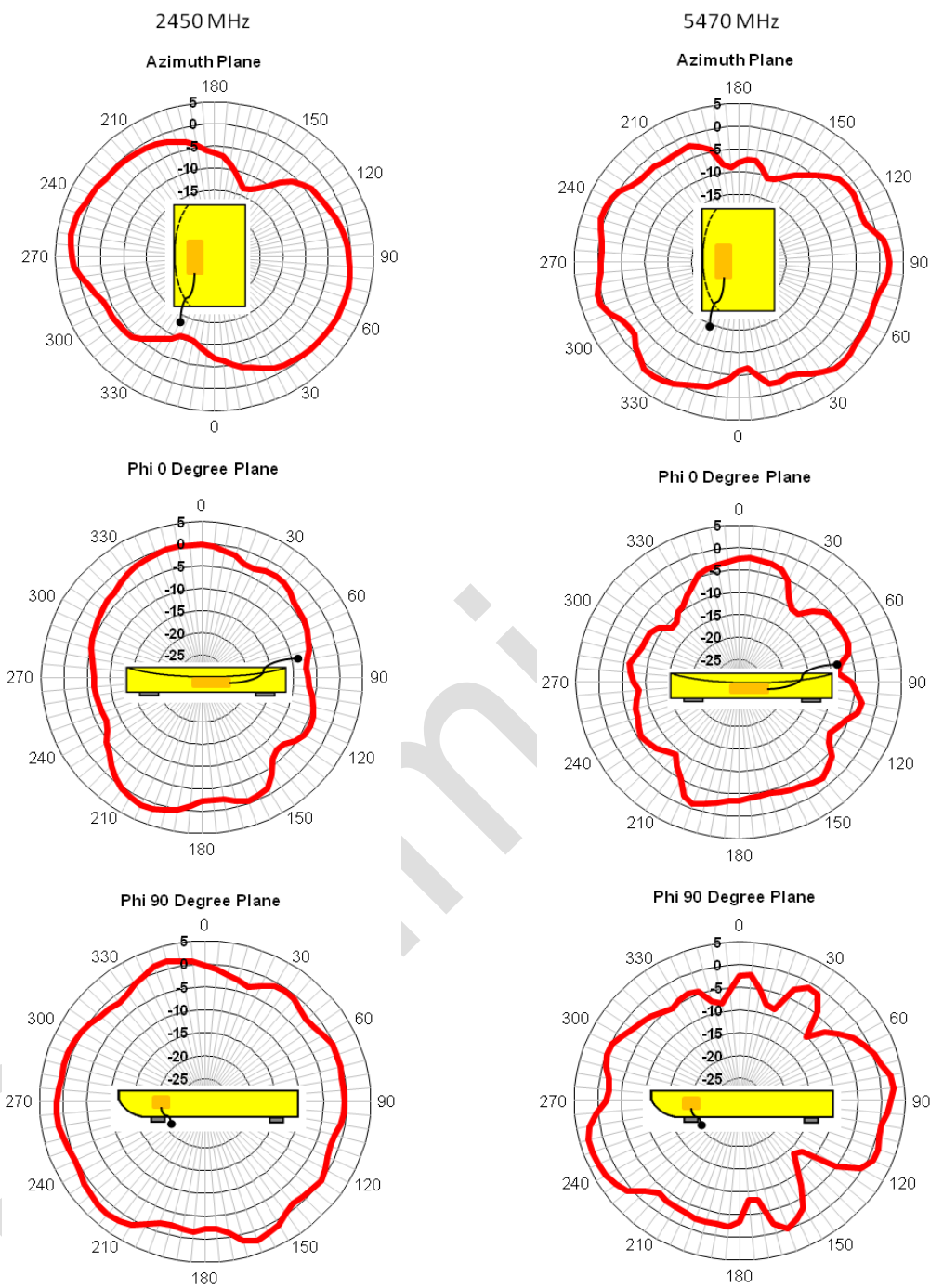
TABLE. I

TYPE OF CONNECTOR ORIENTATION (REFER TABLE. I)

**MAF95310 Return Loss**



**MAF95310 TYPICAL RADIATION PATTERNS**



**MAF95310 Mini NanoBlade Antenna**

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