

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	

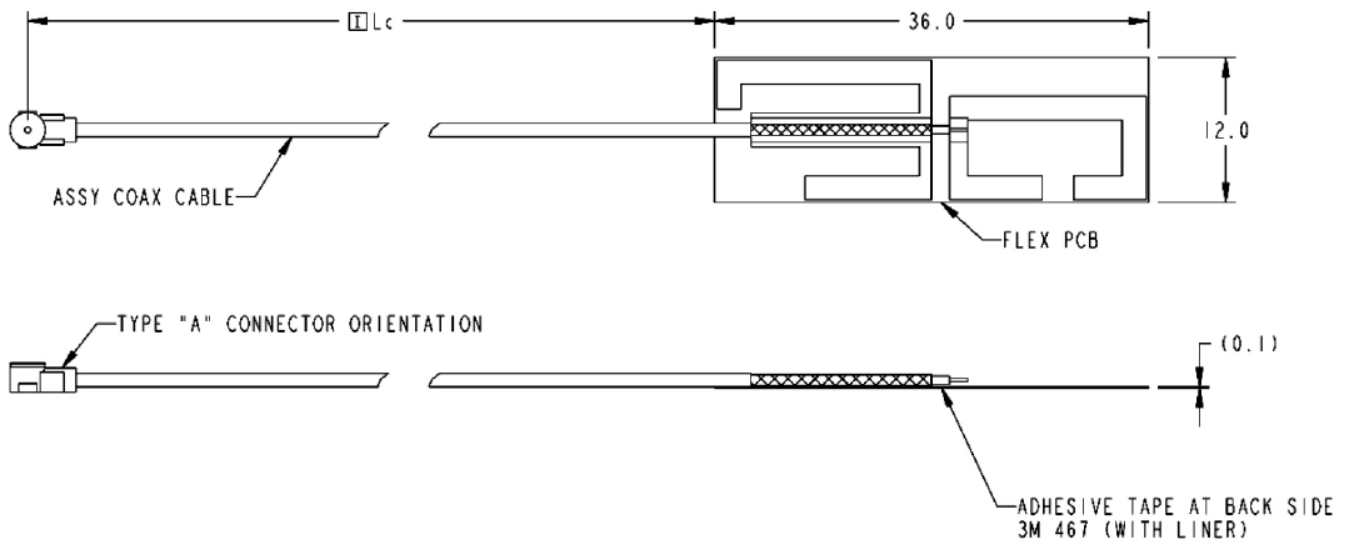
MECHANICAL SPECIFICATIONS			
Dimensions (diameter x height) – mm (in.)	36 x 12 x 0.1 (1.42 x 0.47 x 0.004)		
Hazardous Materials Compliance	RoHS Compliant (2011/65/EU)		

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



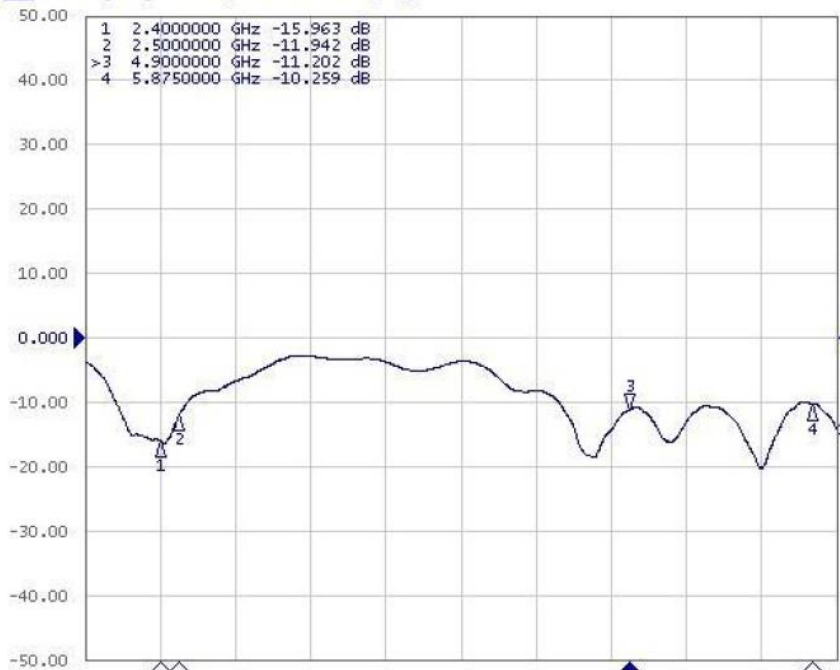
	A
	B
	C
	D

TYPE OF CONNECTOR ORIENTATION (REFER TABLE. I)

TABLE. I

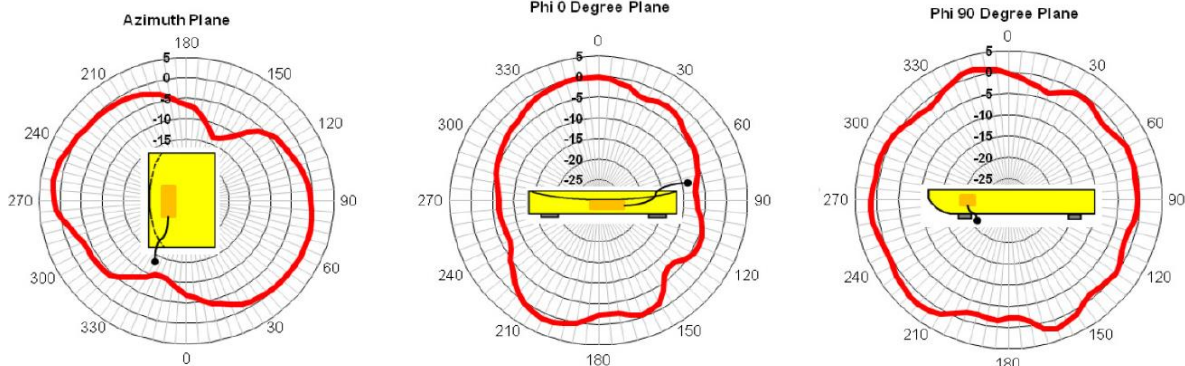
RETURN LOSS

►T1 S11 Log Mag 10.00dB/ Ref 0.000dB [F1]

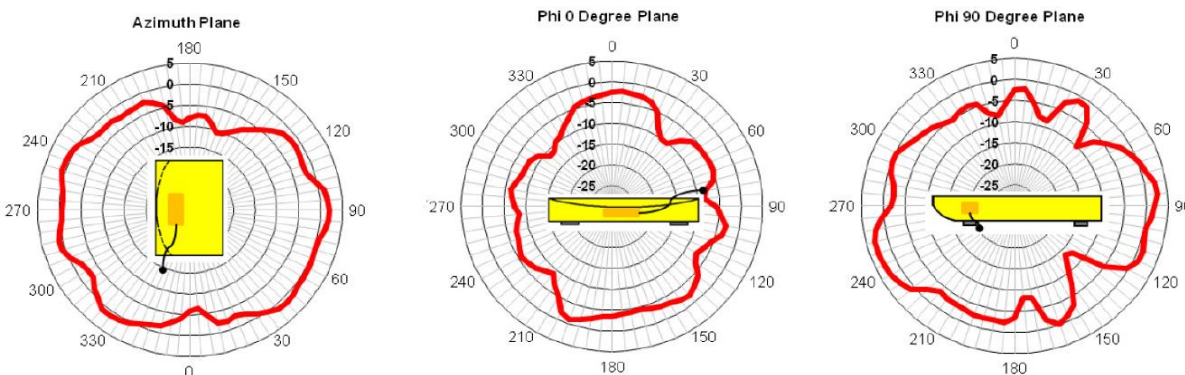


RADIATION PATTERNS

2450 MHz



5470 MHz



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