

The Laird Connectivity 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
- Flexible PCB for mounting in curved housing
- RoHS Compliant (2011/65/EU)

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	2400-2500	4900-5875
Gain (dBi)	2.8	3.4
Efficiency (%)	68	59
VSWR, Max	2:1	
Polarization	Vertical, Omnidirectional	
Nominal Impedance (ohms)	50	

MECHANICAL SPECIFICATIONS

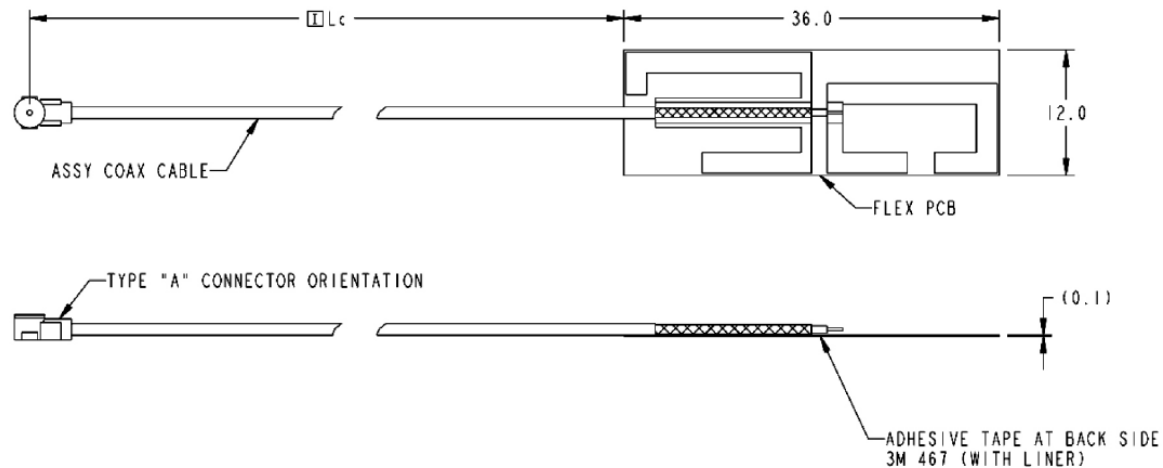
Dimensions – mm (in.)	36 x 12 x 0.1 (1.42 x 0.47 x 0.004)
Hazardous Materials Compliance	RoHS Compliant (2011/65/EU)
Operational Temperature, °C (°F)	-35 to +85 (-31 to +185)
Storage Temperature, °C (°F)	-40 to + 85 (-40 to +185)

CONFIGURATION

PART NUMBER	CABLE LENGTH (Length x Diameter)	CONNECTOR	CONNECTOR ORIENTATION
MAF95310	185 mm (7.28 in.) x 1.13 mm (0.044 in.)	IPEX U.FL	A
EMF2449A1-10UFL	100 mm (3.94 in.) x 1.13 mm (0.044 in.)	IPEX U.FL	A
EMF2449A1-10MH4L	100 mm (3.94 in.) x 1.13 mm (0.044 in.)	IPEX MHF4L	A
EMF2449A2-10MHF1	100 mm (3.94 in.) x 1.13 mm (0.044 in.)	MHF1	B
EMF2449A2-25MHF1	250 mm (4.92 in.) x 1.13 mm (0.044 in.)	MHF1	B

Note: This antenna is available in many connector and cable configurations. Contact us at 1-847-839-6925 or sales@lairdconnect.com for more information.

MECHANICAL DRAWING – MHF1 VERSION

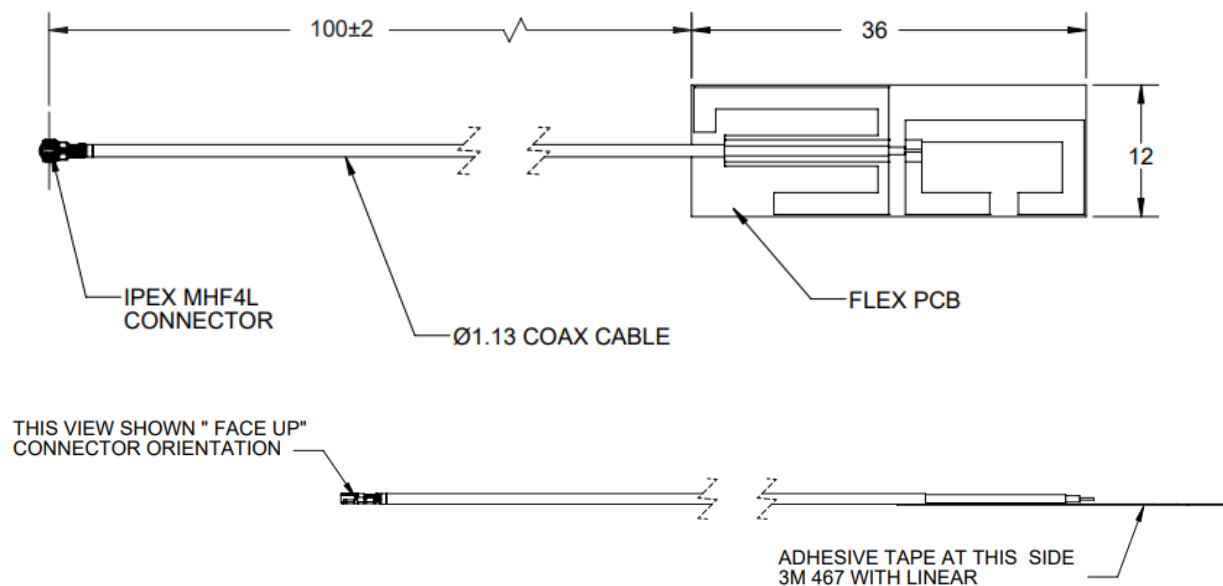


	A
	B
	C
	D

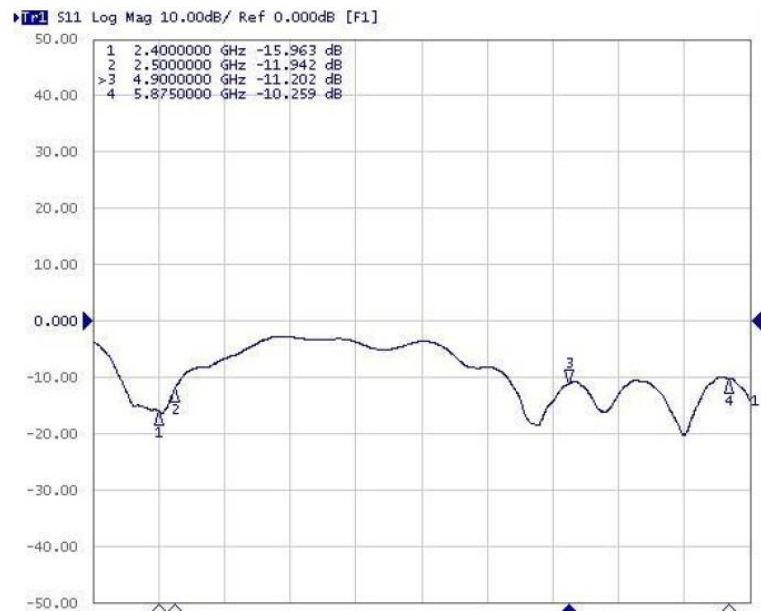
TYPE OF CONNECTOR ORIENTATION (REFER TABLE.1)

TABLE.1

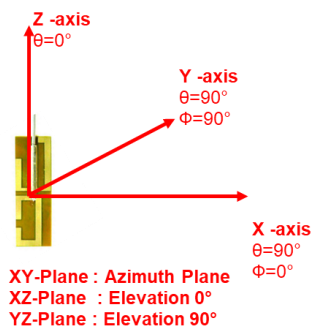
MECHANICAL DRAWING – MHF4L VERSION



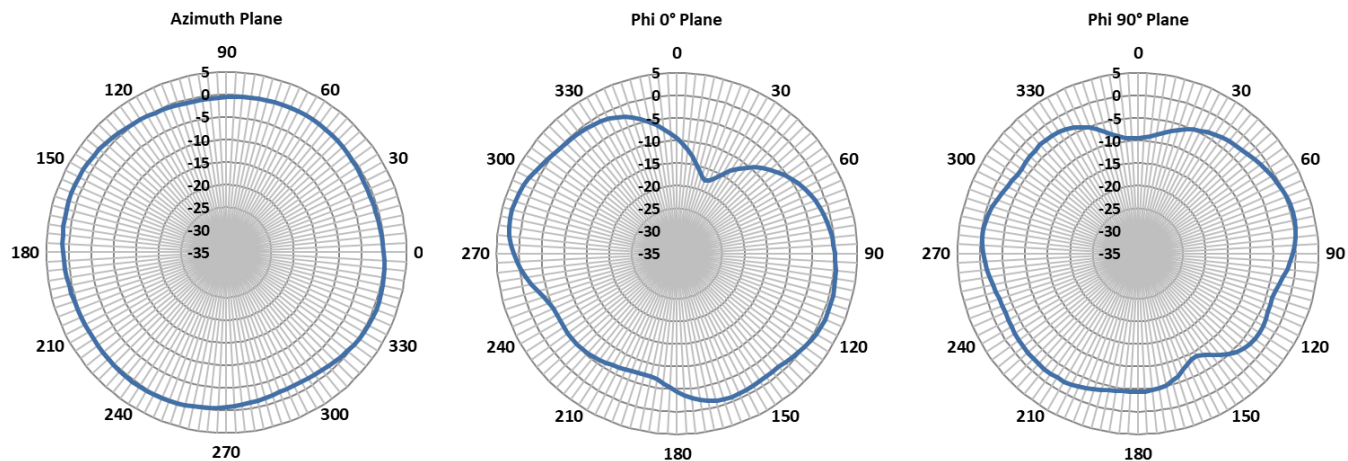
RETURN LOSS



RADIATION PATTERNS

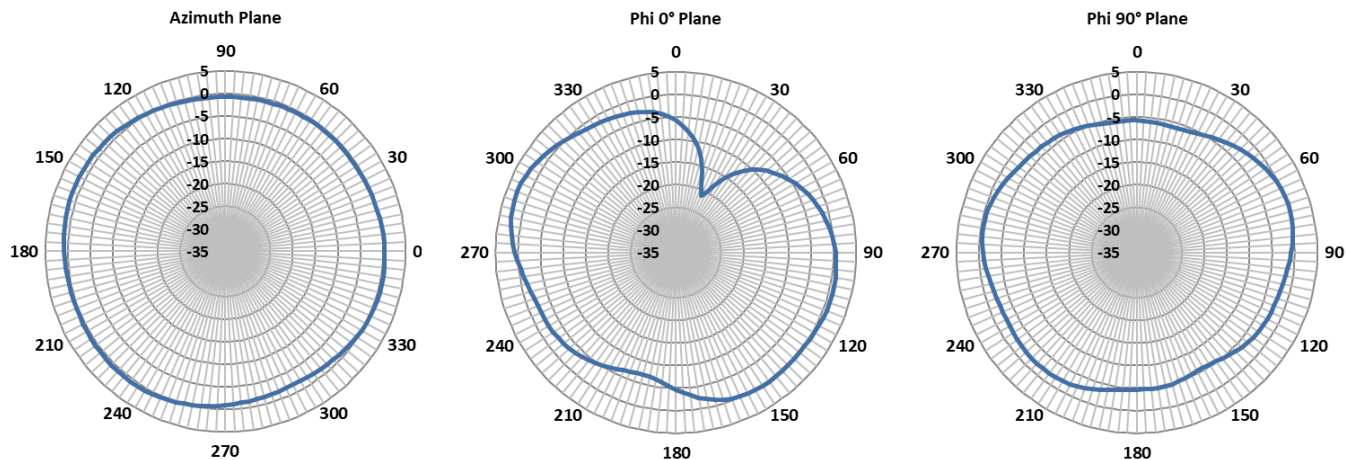


2400 MHz

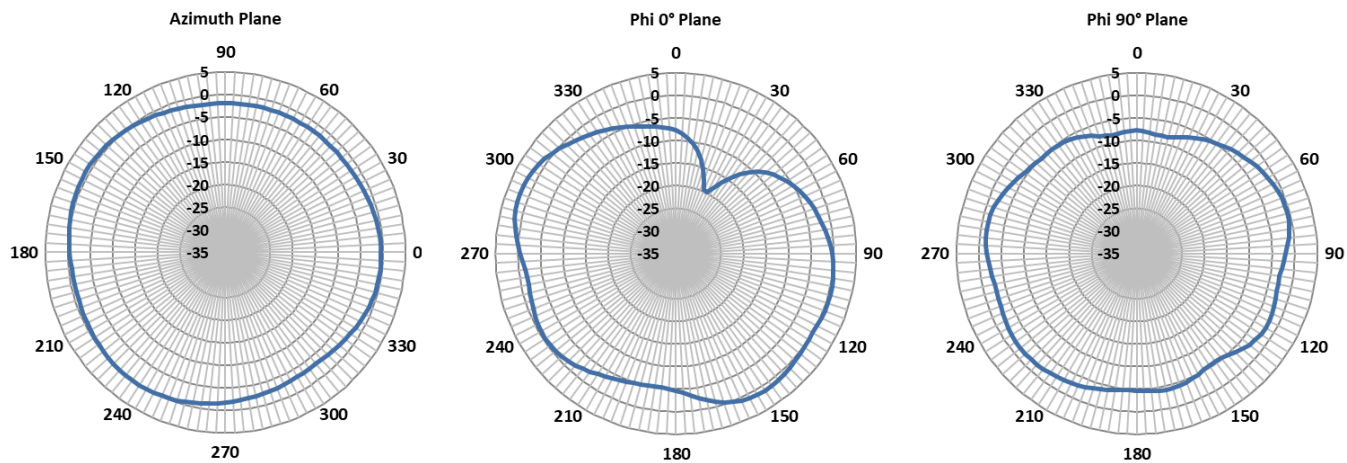


RADIATION PATTERNS

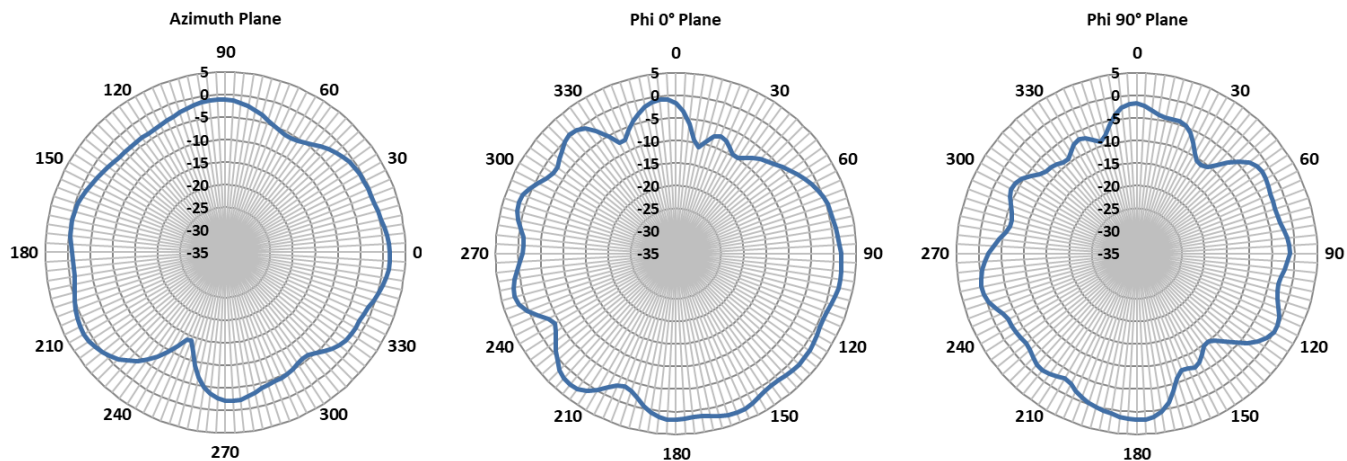
2450 MHz



2500 MHz

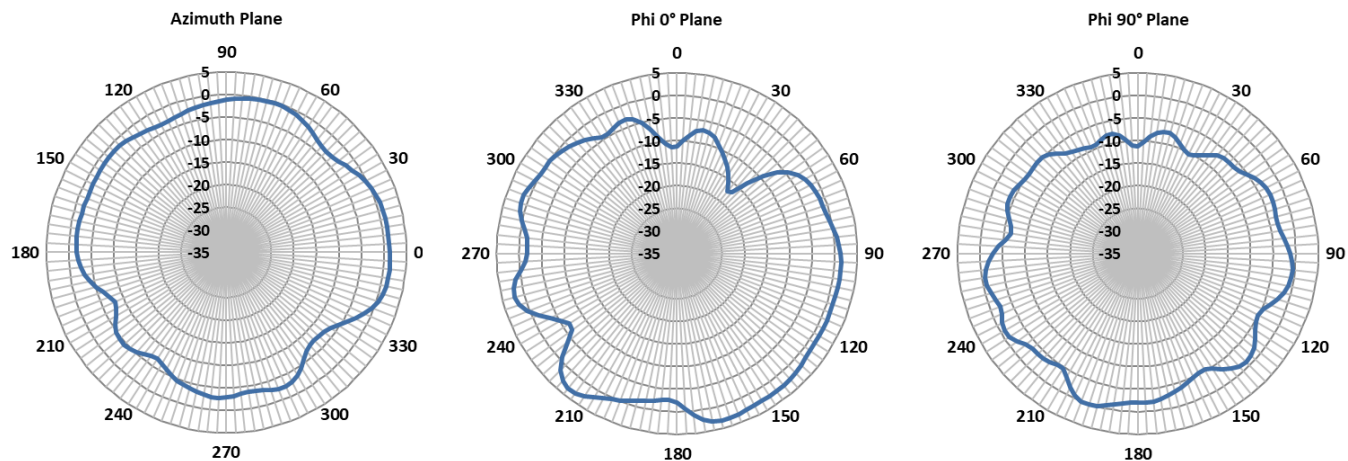


4900 MHz

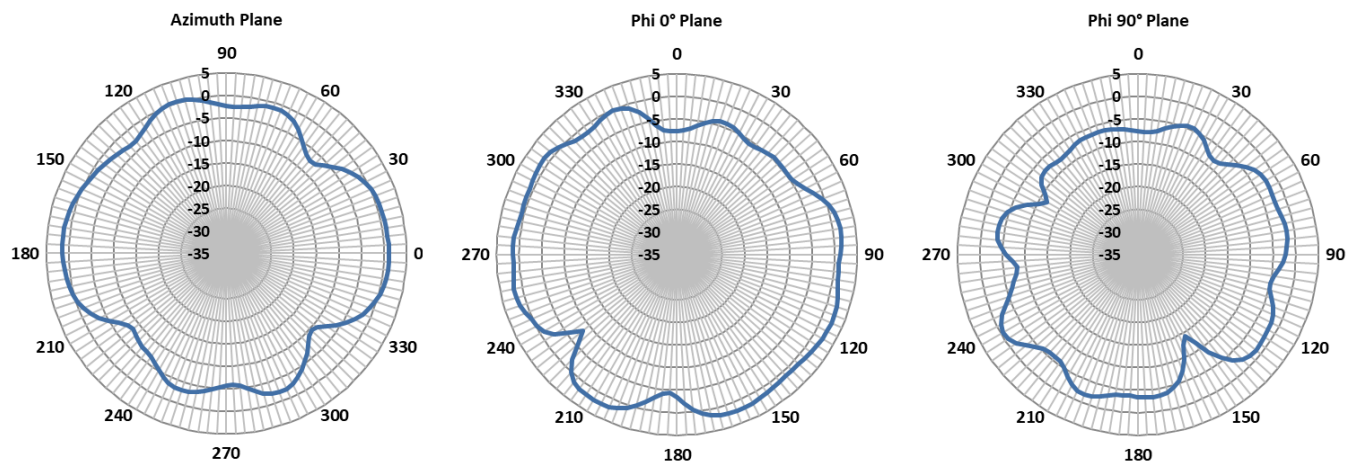


RADIATION PATTERNS

5470 MHz



5875 MHz



ADDITIONAL ASSISTANCE

Please contact your local Laird Connectivity sales representative or our support team for further assistance:

Support Center <https://www.lairdconnect.com/resources/support>

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