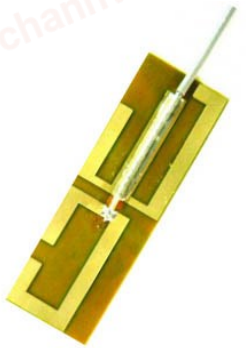
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Mini NanoBlade Flex

Dual-Band Flexible Planar Antenna
2400-2500 MHz/4900-5875 MHz



The Ezurio 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.

1 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
Peak Gain - Max (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, oC (oF)	-35 to +85 (-31 to +185)
Storage Temperature, oC (oF)	-40 to + 85 (-40 to +185)

2 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

Note: This antenna is available in many connector and cable configurations. Contact us at 1-847-839-6925 or http://www.ezurio.com/contact for more information.

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3 Mechanical Drawing – MHF1 Version

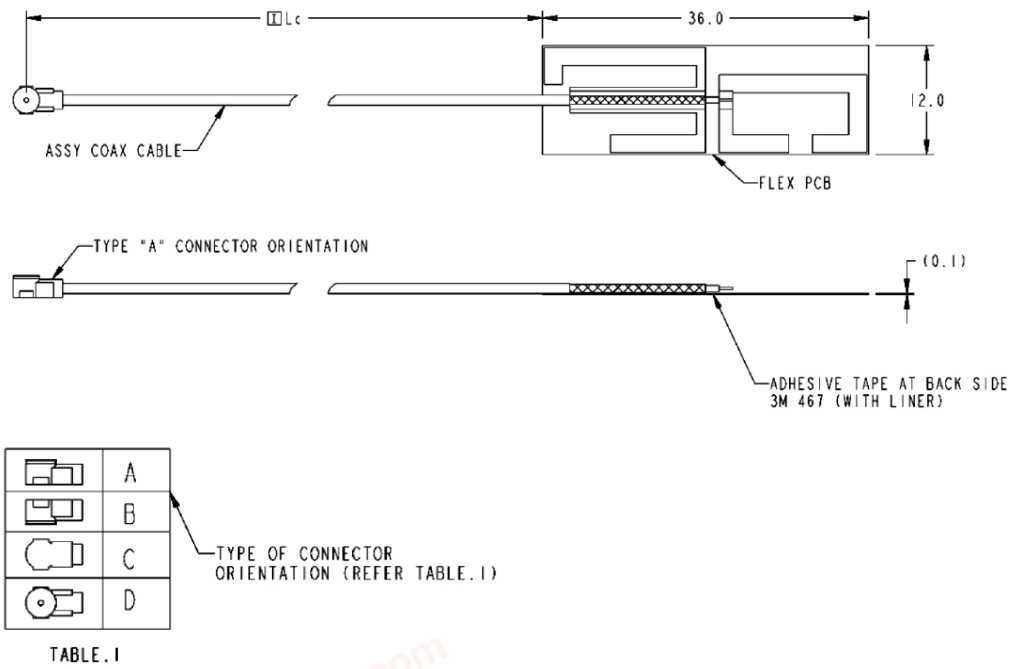
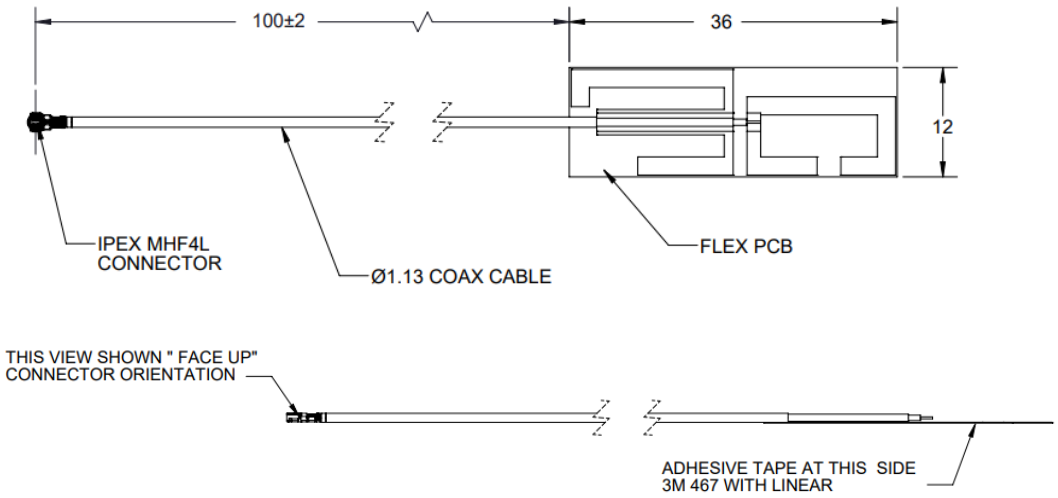


TABLE.1

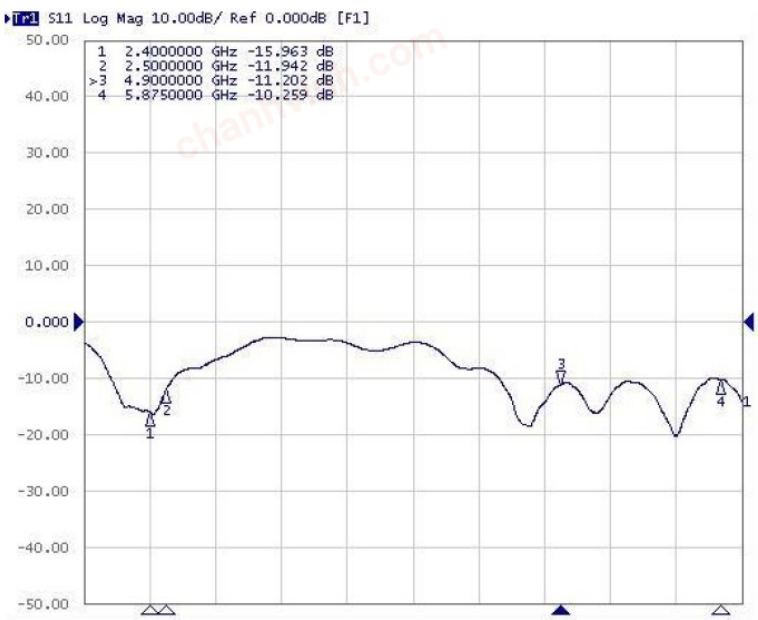
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4 Mechanical Drawing – MHF4L Version



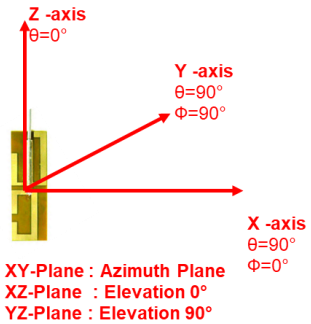
4.1 Return Loss



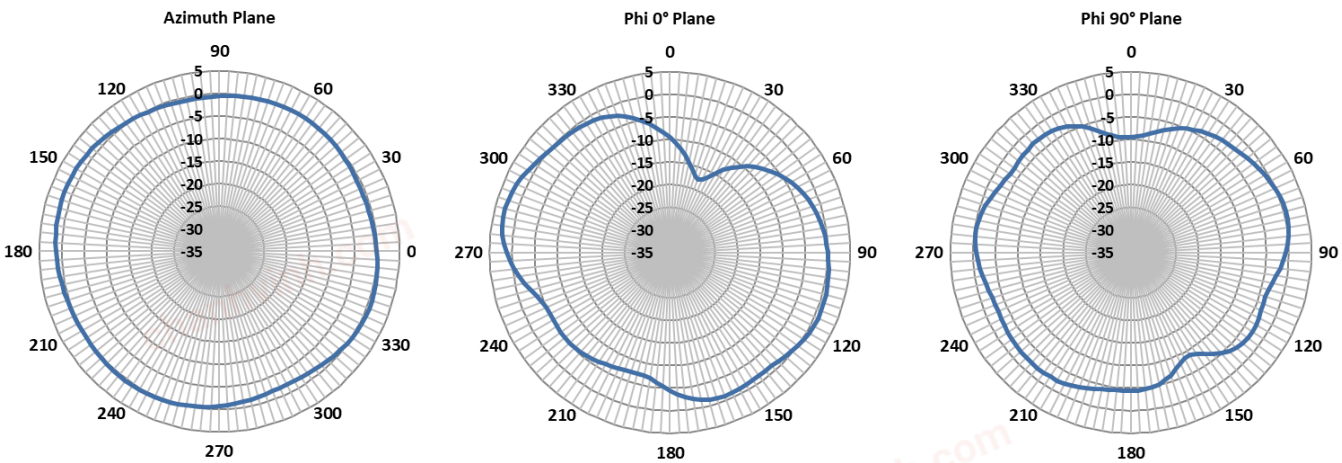
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4.2 Radiation Patterns

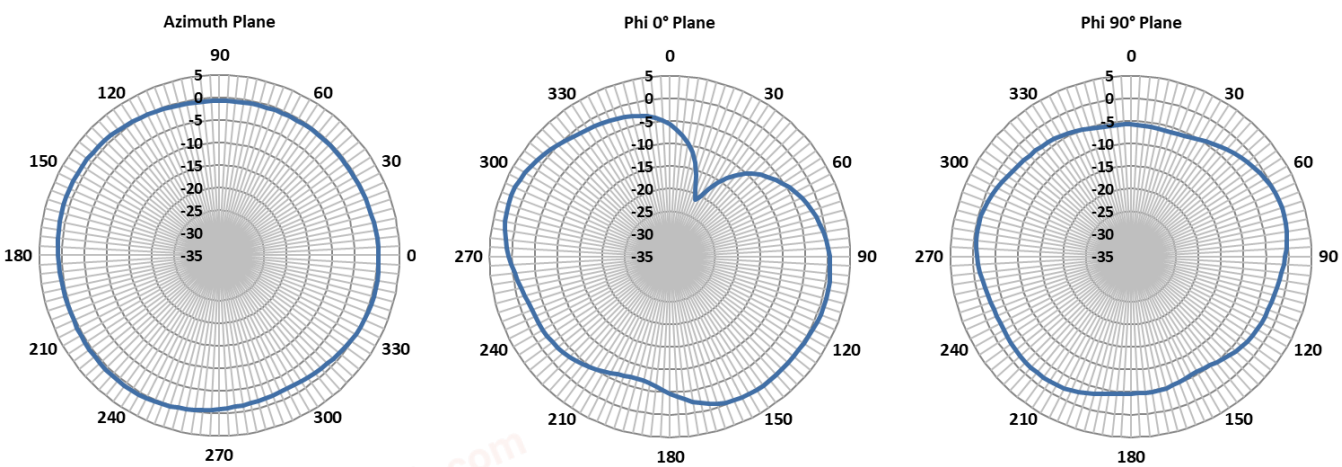


2400 MHz



4.3 Radiation Patterns

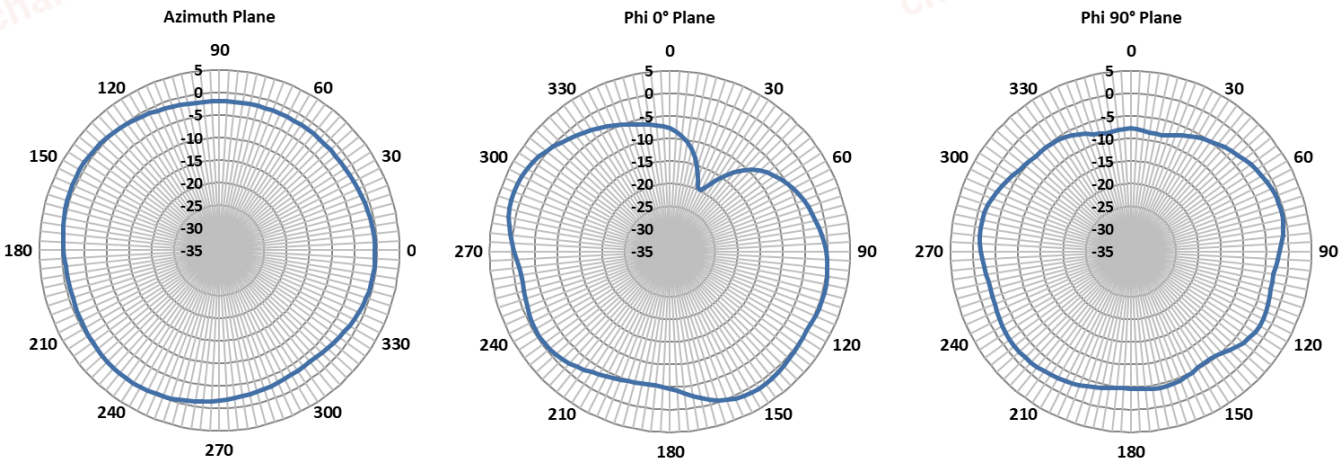
2450 MHz



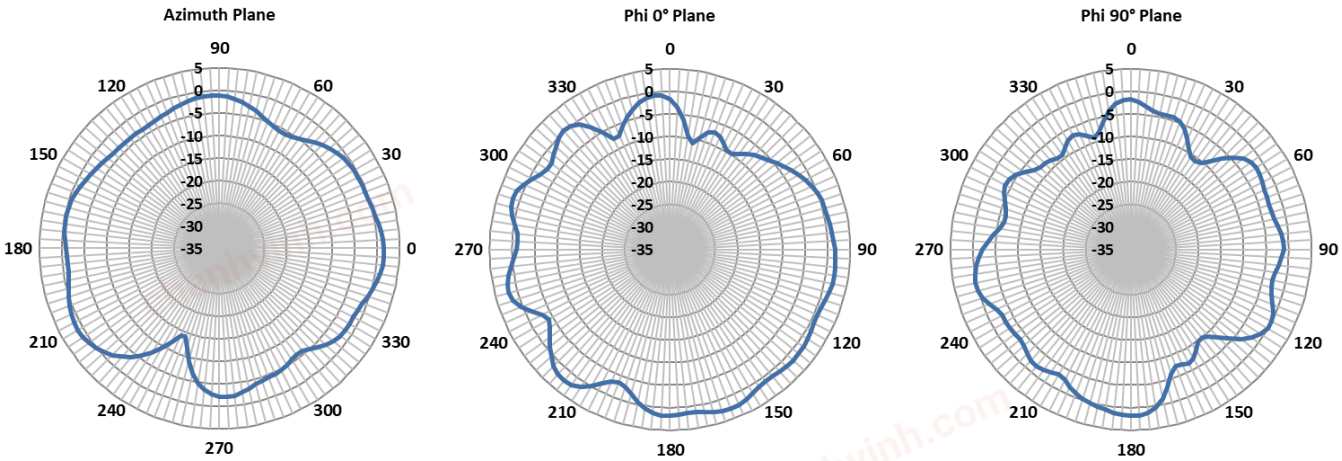
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2500 MHz

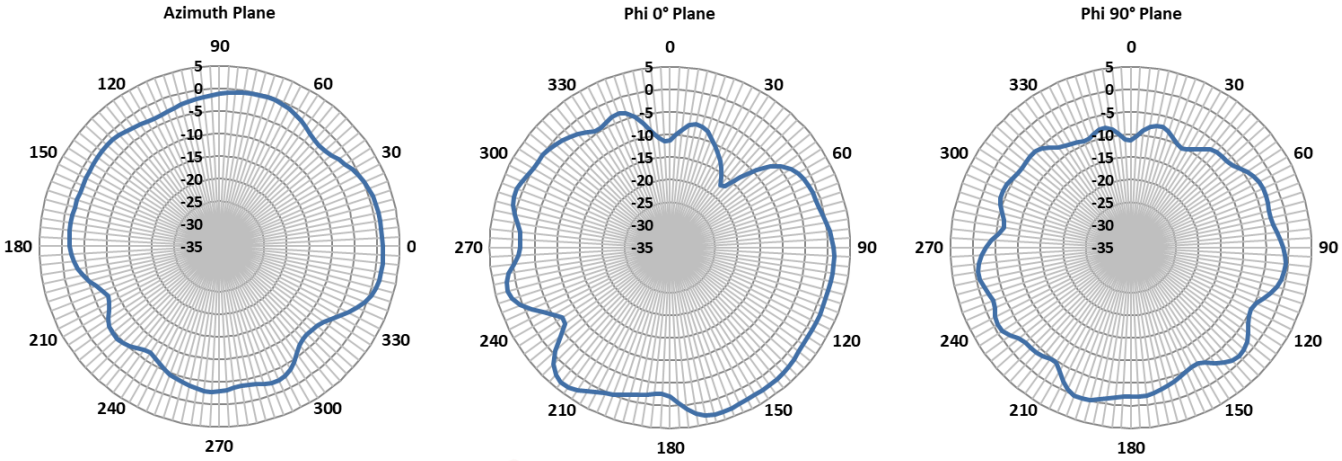


4900 MHz



4.4 Radiation Patterns

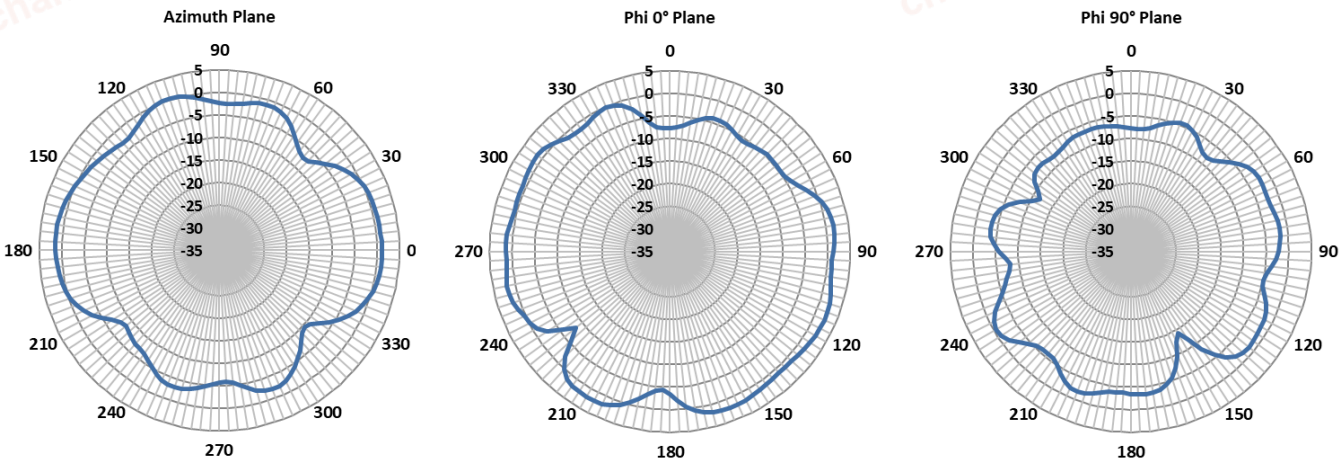
5470 MHz



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5875 MHz



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5 Additional Information

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

Headquarters	Ezurio 50 S. Main St. Suite 1100 Akron, OH 44308 USA
Website	http://www.ezurio.com
Technical Support	http://www.ezurio.com/resources/support
Sales Contact	http://www.ezurio.com/contact

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