



The evolution of technology has brought the need to communicate everywhere and at all times without being confined to one space. Laird Technologies' internal wireless device antennas feature wide bandwidth to enhance the performance and application of portable wireless devices based on standards such as 802.11 and Bluetooth®. The antennas are specifically designed to be embedded inside devices for aesthetically pleasing integration with high durability.

### FEATURES AND BENEFITS

- Versatile, easy-to-use for 2.4 to 2.5 GHz Bluetooth® and IEEE 802.11 devices
- Designed for an easy connection to radio cards
- Uses patented PCB Microsphere technology
- Has a ground plane incorporated into the resonator structure – no additional ground plane is required to radiate efficiently

### ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	2.4 – 2.5 GHz
VSWR – Max	<2.5:1
Gain (dBi)	2
Nominal Impedance (Ohms)	50
Polarization	Linear

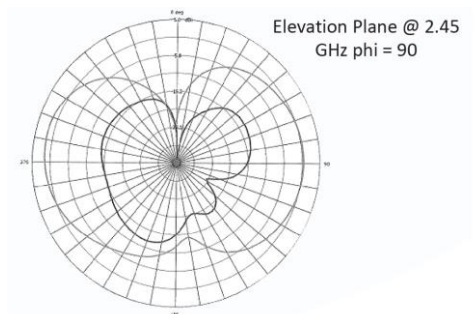
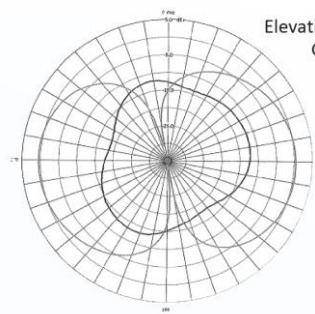
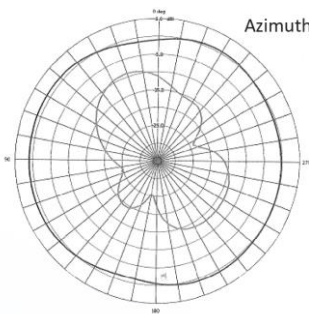
### MECHANICAL SPECIFICATIONS

Dimensions	47.75 mm (1.88 in.) x 12.7 mm (0.5 in.) x 0.81 mm (0.032 in.)
Weight	2 g (0.071 oz.)

### CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR
MAF94045	100 mm, Ø 1.13 mm	IPEX MHF
MAF94102	100 mm, RG178	Flying Lead
EBL2400A1-10MHL4L	100 mm	MHF4

### ANTENNA PATTERNS



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