

HyperLink Wireless Embedded 2.4 GHz Omni-Directional PCB Antenna Model: HG2402PU-UFL

Applications

- Integrate into self contained wireless equipment
- Embedded applications requiring integration flexibility
- 2.4 GHz band applications
- IEEE 802.11b/g/n WiFi systems
- Bluetooth devices

Features

- Highly efficient printed circuit board (PCB) design
- Designed for omni-directional applications
- Low profile, compact size
- U.FL/IPX connector (custom connector options and cable lengths available)



Description

The HyperLink HG2402PU is a 2.4 GHz omni-directional antenna designed to directly integrate into devices requiring wireless capability. By embedding these antennas directly into a device, the need for external antennas is eliminated. The omni-directional design of the HG2402PU makes it ideal for multipoint and mobile wireless systems since it provides 360° of coverage.

In addition to our standard embedded antennas, L-com engineering can also custom design antennas for the customer's specific applications.

Specifications

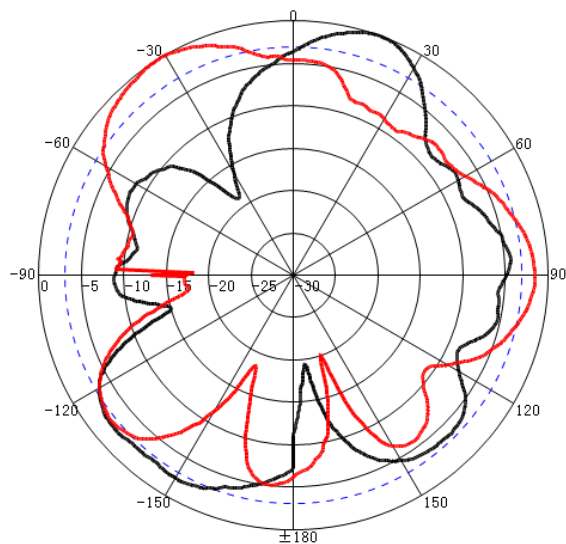
Mechanical Specifications

Connector	U.FL/IPX*
Antenna Lead	1.13mm coax
Antenna Lead Length	3.38 in (85.7mm)
Dimensions	1.7 x 1.4 x 0.04 in (45 x 35 x 1mm)
Weight	1g
*Custom connectors and lead lengths are available. Please contact L-com sales for more information	

Electrical Specifications

Frequency Range	2400-2500 MHz
Gain	2 dBi
Polarization	Vertical or Horizontal
Horizontal / Vertical Beam Width	360° / 50°
VSWR	≤ 2.3

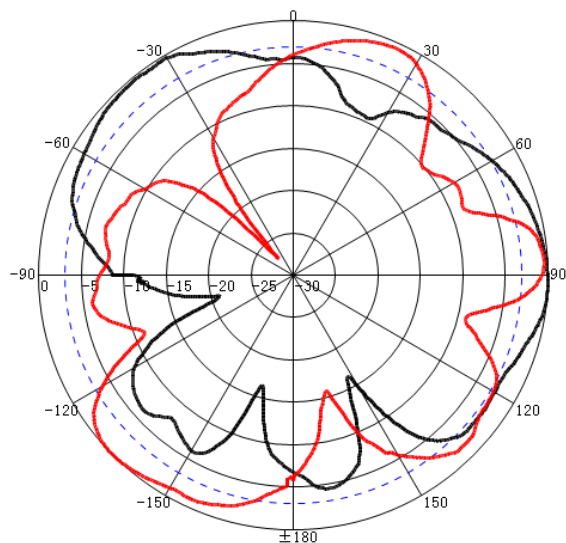
RF Antenna Patterns



Freq:2400MHz
Date:2014-10-31
Elevation:H-plane
Polar-Across:Main
Polarization:Vertical
Max:-37.77dB
HPBW(3dB):31.35°
FBR:2.36dB

Freq:2400MHz
Date:2014-10-31
Elevation:V-plane
Polar-Across:Main
Polarization:Vertical
Max:-38.06dB
HPBW(3dB):43.93°
FBR:3.77dB
Obliquity:28.49°

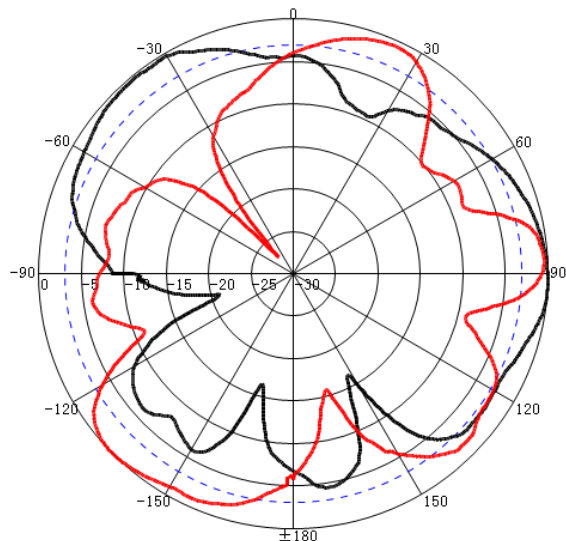
Gain:5.64dBi



Freq:2450MHz
Date:2014-10-31
Elevation:V-plane
Polar-Across:Main
Polarization:Vertical
Max:-38.77dB
HPBW(3dB):74.92°
FBR:1.52dB
Obliquity:27.45°

Freq:2450MHz
Date:2014-10-31
Elevation:H-plane
Polar-Across:Main
Polarization:Vertical
Max:-38.90dB
HPBW(3dB):48.46°
FBR:0.99dB

Gain:4.57dBi



Freq:2450MHz
Date:2014-10-31
Elevation:V-plane
Polar-Across:Main
Polarization:Vertical
Max:-38.77dB
HPBW(3dB):74.92°
FBR:1.52dB
Obliquity:27.45°

Freq:2450MHz
Date:2014-10-31
Elevation:H-plane
Polar-Across:Main
Polarization:Vertical
Max:-38.90dB
HPBW(3dB):48.46°
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Gain:4.57dBi