

## HyperLink Wireless 698-960/1710-2700 MHz Flexible FPCB Embedded Antenna Model: HG72705FPU-UFL

### Applications

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- Integrate into self-contained wireless equipment
- Embedded applications requiring integration flexibility
- DAS (Distributed Antenna Systems)
- 700 MHz, cellular and LTE networks
- AWS (Advanced wireless services) and PCS (Personal communications service) band applications

### Features

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- Designed for omni-directional applications
- Flexible FPCB design with adhesive backing
- Compact size
- 8 in. (203mm) 1.13mm coax cable
- U.FL/IPX connector (custom connectors options and cable lengths available)



### Description

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The HyperLink HG72705FPU-UFL is a flexible 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 HG72705FPU-UFL makes it ideal for multipoint and mobile wireless systems since it provides 360° of coverage.

The HG72705FPU-UFL is specifically designed for DAS (Distributed Antenna Systems) which are used to distribute Cellular and WiFi signals throughout a building or area. The multi-band design of this antenna eliminates the need to utilize different antennas for each frequency.

Constructed from a flexible polymer, the HG72705FPU-UFL can be attached via its adhesive backing to straight as well as curved surfaces. This provides engineers greater flexibility when designing the wireless equipment for which the antenna will be incorporated into.

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



**Specifications**

**Electrical Specifications**

<b>Frequency</b>	698-960/1710-2170/2300-2700 MHz
<b>Peak Gain</b>	1.0 dBi @ 698-960 MHz 2.5 dBi @ 1710-2170 MHz 5.0 dBi @ 2300-2700 MHz
<b>Radiation Properties</b>	Omni-Directional
<b>Polarization</b>	Linear
<b>VSWR</b>	< 2.5
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	5 Watts

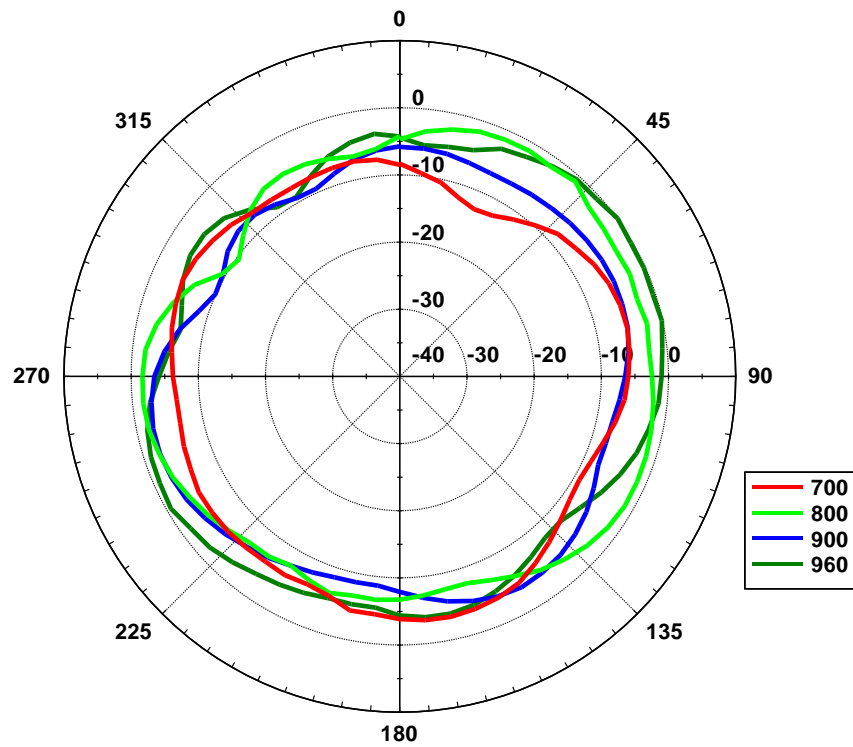
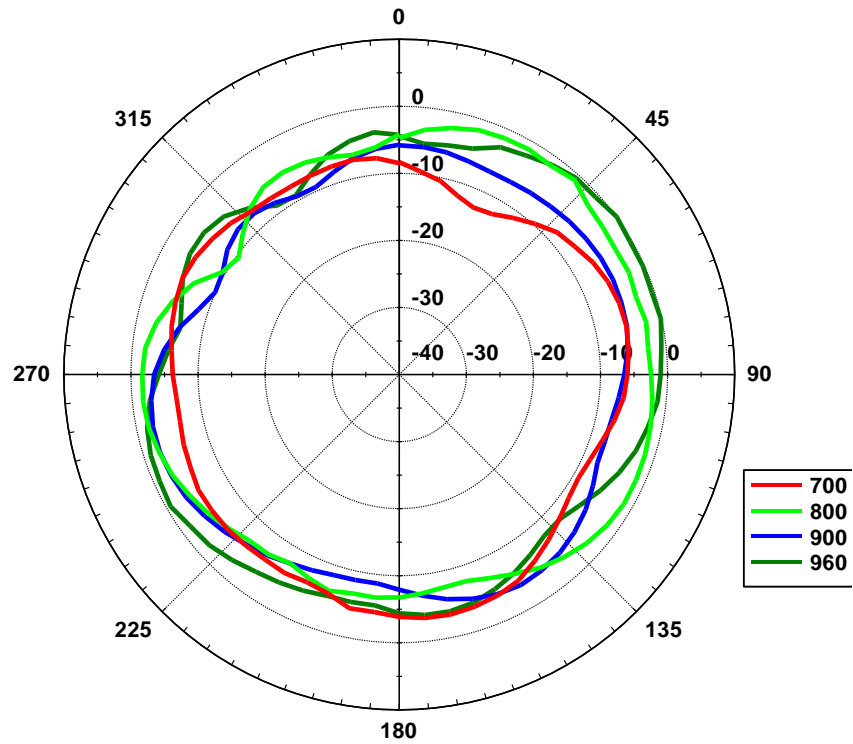
**Mechanical Specifications**

<b>Connector</b>	U.FL/IPEX*
<b>Antenna Lead</b>	1.13mm Coax
<b>Antenna Lead Length</b>	8 in. (203mm)
<b>Dimensions</b>	3.7 x 0.8 x 0.01 in. (96 x 21 x 0.2 mm)
<b>Material</b>	Flexible Polymer
<b>Weight</b>	0.96 oz. (0.02kg)
<b>Operating / Storage Temperature</b>	-40° C to 85° C (-40° F to 185° F)

\*Custom connectors and lead lengths are available. Please contact L-com sales for more information



**Radiation Patterns – XZ-Plane**



**Radiation Patterns – XY-Plane**

