

## HyperLink Wireless 450-470 MHz 8.5 dBi High Performance Omni Antenna for UHF Business & Public Safety Band

Model: HG459U

### Applications and Features

#### Applications:

- SCADA
- UHF Business Band
- 450 MHz CDMA
- Family Radio Service 2-Way

#### Features:

- Superior performance
- Rugged industrial grade design
- Lightweight fiberglass radome
- All weather operation
- Includes heavy-duty steel mast mounting brackets



### Description

The HyperGain® HG459U is a high performance omnidirectional antenna designed for the 450-470 MHz band. It is ideally suited for multipoint, SCADA, UHF Business Band, General Mobile Radio Service, Family Radio Service 2-way "walkie-talkies" and Public Safety band applications where high gain and wide coverage is desired.

This antenna features a 12 inch lead with your choice of connector. Included with the HG459U is a dual u-bolt mast mounting kit. Consisting of a steel bracket and a pair of U-bolts, this kit allows installation on masts 1.5 to 2.0" in diameter.

This omni antenna's construction features a rugged white fiberglass radome for durability, aesthetics and long service life. It is designed for all weather operation.

### Specifications

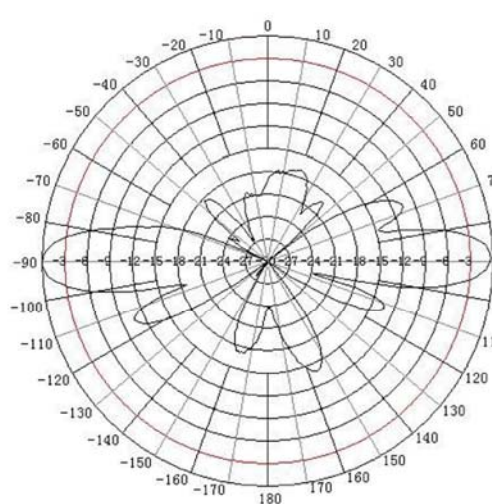
#### Electrical Specifications

<b>Frequency</b>	450 - 470 MHz
<b>Gain</b>	8.5 dBi
<b>Vertical Beam Width</b>	14.5 degrees
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	100 Watts
<b>VSWR</b>	< 1.5:1 avg.

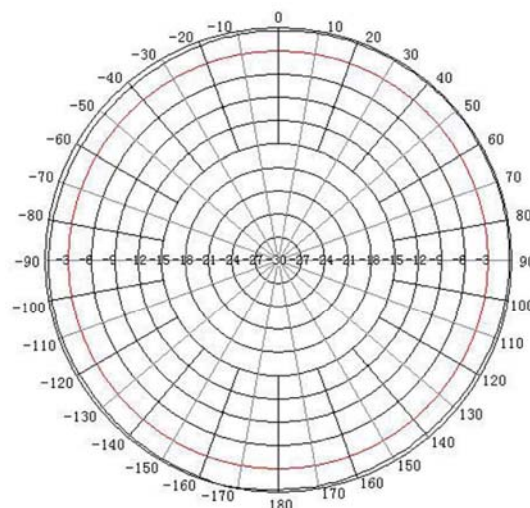
## Mechanical Specifications

<b>Connector</b>	12 in lead with NF, NM, RP-TNC, RP-SMA
<b>Weight</b>	5.1 lbs. (2.5 Kg)
<b>Length</b>	98.5 in. (2.5 m)
<b>Radome Diameter</b>	1.58 in. (40.1 mm)
<b>Base Diameter</b>	1.71 in. (43.4 mm)
<b>Radome Material</b>	White Fiberglass
<b>Mounting</b>	1.5" to 2" dia. mast max. (40mm to 50mm dia.)
<b>Polarization</b>	Vertical
<b>Lightning Protection</b>	DC Ground
<b>RoHS Compliant</b>	Yes

## RF Antenna Gain Patterns



Vertical



Horizontal

This product is backed by L-Com's Limited Warranty.