

HyperLink Wireless 406-430 MHz 8.5 dBi
High Performance Omni Antenna for UHF
Business & Public Safety Band

Model: HG409U

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® HG409U-NF is a high performance omnidirectional antenna designed for the 406-430 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 HG409U 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

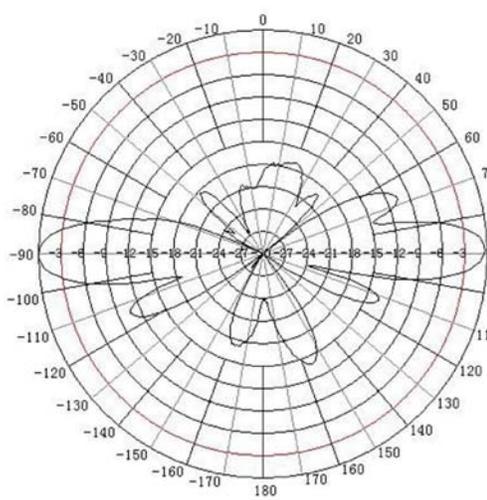
Electrical Specifications

Frequency	406 - 430 MHz
Gain	8.5 dBi
Vertical Beam Width	14.5 degrees
Impedance	50 Ohm
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg.

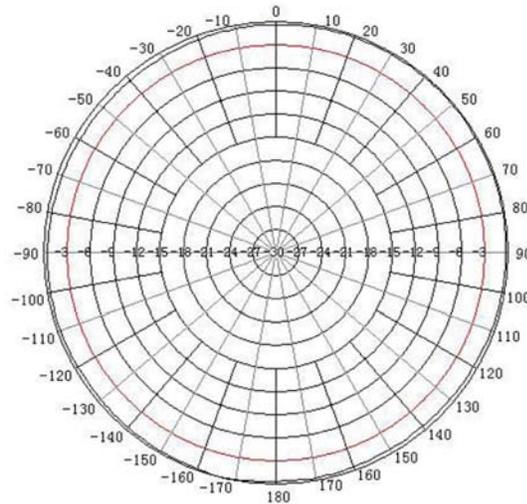
Mechanical Specifications

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

RF Antenna Gain Patterns



Vertical



Horizontal

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