



## 2.3 GHz to 6 GHz Super Broadband 3 dBi Omnidirectional Ceiling Wireless LAN Antenna - Model: HG2458CU

### Applications and Features

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#### Applications:

- **2.3 GHz - 2.6 GHz Frequency Range:**
  - ◇ 802.11b & 802.11g Access Points and Routers
  - ◇ 2.4 GHz ISM Applications
  - ◇ WiFi Systems
  - ◇ Bluetooth® Applications
  - ◇ Public Wireless Hotspots
  - ◇ 2.3 GHz WCS/CDMA Applications
  - ◇ Wireless Two-Way Voice, Data, and Video Services
  - ◇ 2.6 GHz MMDS Band Applications
  - ◇ 802.16 and 802.20 Applications
- **4.9 GHz - 5.8 GHz Frequency Range:**
  - ◇ 802.11a Access Points and Routers
  - ◇ 5.3 GHz/5.8 GHz UNII/ISM Applications
  - ◇ Homeland Security
  - ◇ Public Safety Services: Fire, Police, Security
  - ◇ Radio Local Area Networks (RLAN)
  - ◇ WiMAX Technology

#### Features:

- Superior performance
- Broadband/Multi-Band operation
- Compact size, low profile
- Compatible with wireless hotspot applications
- Easy to mount
- 12 inch coax lead
- RoHS Compliant



**Broadband | Multi-Band  
Operation!**

### Description

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The HyperGain® Model HG2458CU is a high performance broadband/multi-band ceiling mount WiFi antenna designed to operate from 2.3 GHz to 6 GHz. The Multi-Band design of this antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of in-building wireless applications where wide coverage is desired. See above for applications by frequency range.

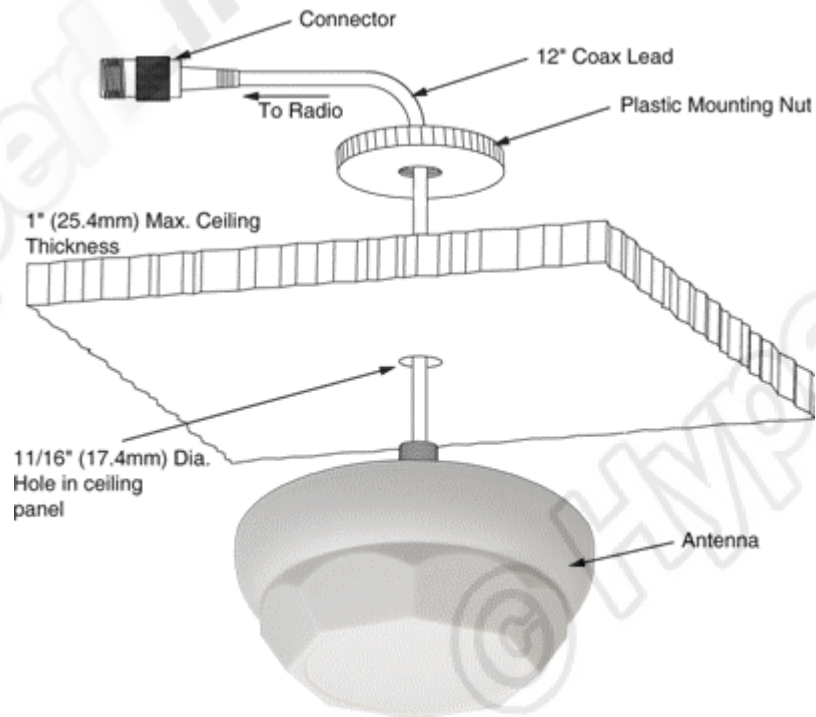
The compact and aesthetically pleasing design of this antenna makes it ideal for use in almost any indoor environment. It can be easily mounted through a single 11/16" hole in a solid or suspended ceiling up to 1" thick.

This antenna features a 12 inch coax lead terminated with a N-Female connector. Special order connectors are also available.





## Mounting Details



## Specifications

### Electrical Specifications

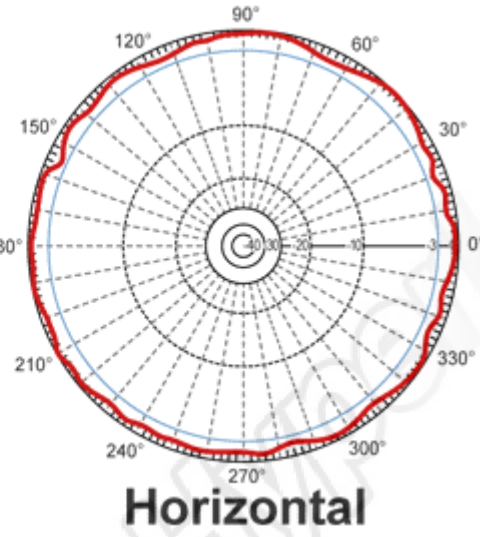
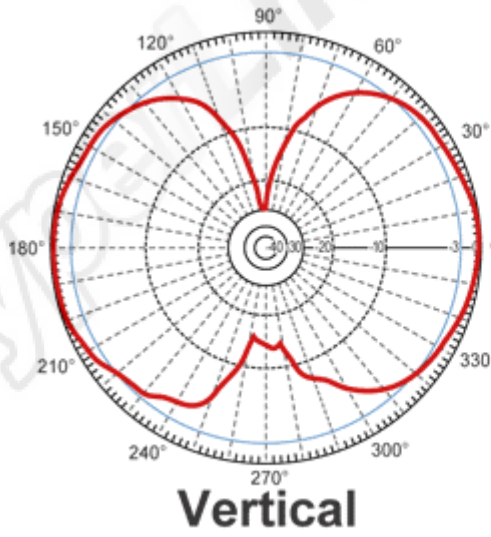
Frequency Range	2300-6000 MHz
Gain	3 dBi
Horizontal Beam Width	360 degrees
Vertical Beam Width	90 degrees
Impedance	50 Ohm
Max. Input Power	50 Watt
VSWR	< 1.5:1 avg.
Lightning Protection	DC Grounded

### Mechanical Specifications

Weight	0.3 lbs. (.13 Kg)
Dimensions	4.9" (125 mm) Dia x 1.8" (46 mm)
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)
Mounting	.687" (17.4 mm) diameter hole
Polarization	Vertical
RoHS Compliant	Yes



RF Antenna Gain Patterns



**Guaranteed Quality**

This product is backed by Hyperlink's Limited Warranty