

## 2.3 GHz to 6 GHz Broadband 3 dBi Omni-directional Ceiling Antenna - Model: HG2458CU-1-BM

### Applications

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- IEEE 802.11b/g/n WiFi installations
- Multiband Access Points and Routers
- WiMAX 802.16 applications
- Distributed Antenna Systems, DAS
- WiFi and Wireless Hotspot systems

### Features

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- 2300-6000 MHz continuous coverage
- Compact size, low profile
- Easily mounts to ceiling tiles
- 12 inch coax lead



### Description

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The HG2458CU-1-BM is a high performance broadband/multi-band ceiling mount WiFi antenna designed to operate continuously 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. The HG2458CU-1-BM is ideal for Distributed Antenna Systems, DAS. A DAS system is used to distribute signals operating in different frequency bands like 802.11a/b/g/n or WiMAX throughout a building or area.

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 an BNC-male connector.



**Specifications**

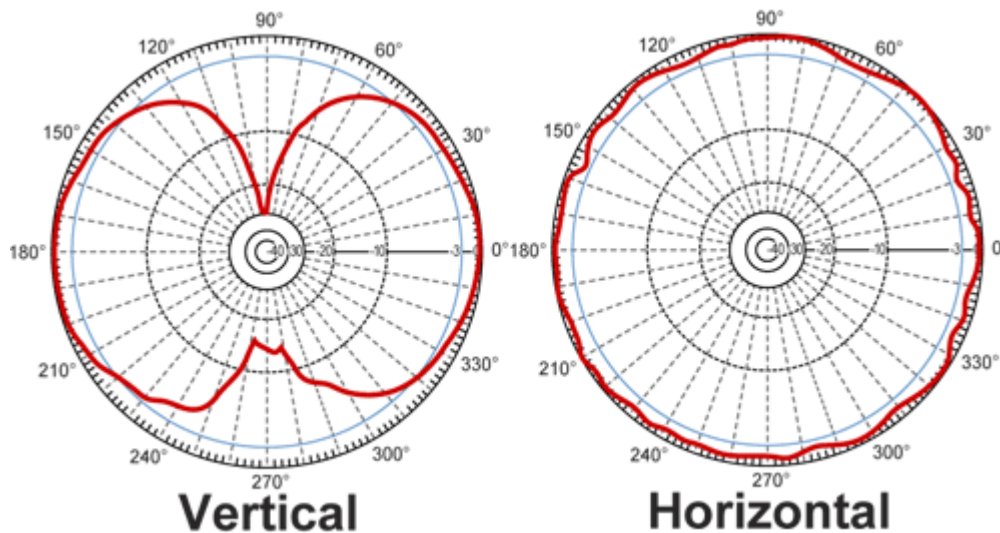
**Electrical Specifications**

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	5.1" (130 mm) Dia x 2.2" (56 mm)
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Mounting	0.75 inch (19 mm) diameter hole
Polarization	Vertical
RoHS Compliant	Yes

**Antenna Gain Patterns**



Mounting Details

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