

# ANTENNA



## EXTERNAL MIMO ANTENNA ANT-ABGN-23

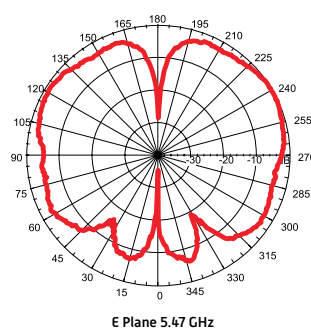
Wall/Ceiling Grid Mounted, Low Profile,  
and Omni-directional



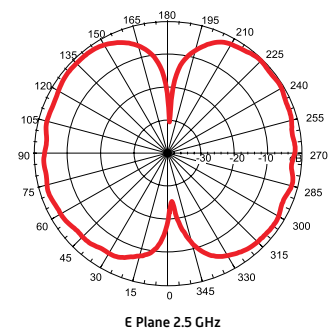
### PRODUCT OVERVIEW

The ANT-ABGN-23 is a dual-band, three-element omni-directional antenna for use in 802.11n MIMO applications. Housed in a compact, low-profile PVC/acrylic radome, the antenna can be mounted to a variety of drop ceiling grids using the integrated spring clips. It can also be mounted to a flush surface via the four mounting holes. Each of the three MIMO antenna elements is connected to the Meru AP300 Access Point via a low-loss, plenum-rated, coax pigtail.

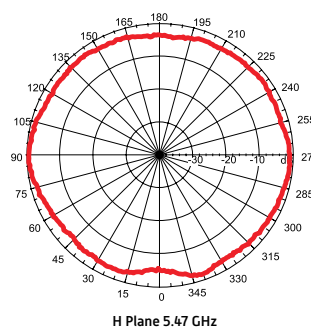
The radiation patterns are uniform and symmetrical, providing high levels of signal density into defined coverage zones. This antenna will greatly enhance the performance of 802.11n systems. The dual-band frequency coverage means that a single type of antenna can be deployed with any MIMO radio in the 2.4–2.5 GHz or 4.9–5.9 GHz bands.



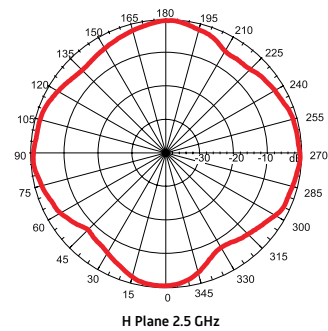
E Plane 5.47 GHz



E Plane 2.5 GHz



H Plane 5.47 GHz



H Plane 2.5 GHz

# ANTENNA

## SPECIFICATIONS

**Frequency Range**

2.4–2.5 GHz and 4.9–5.9 GHz

**Gain**

3.0 dBi for 2.4–2.5 GHz  
4.0 dBi for 4.9–5.9 GHz

**Maximum VSWR**

2.0:1

**3dB Beamwidth Elevation**

60°

**3dB Beamwidth Azimuth**

Omni-directional

**Polarization**

Linear, vertical

**Maximum Input Power**

2 watts

**Mechanical Size**

12 1/8" x 7/8" x 3 11/16"  
[30.8 cm x 2.2 cm x 9.4 cm]

**Weight**

0.86 lb (0.39 kg)

**Antenna Connection**

Reverse SMA [3x]

**Radome**

PVC/Acrylic

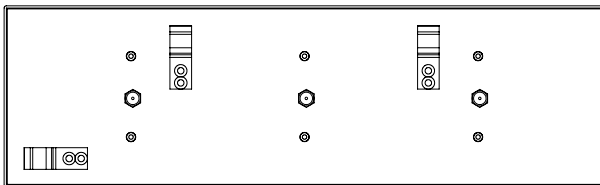
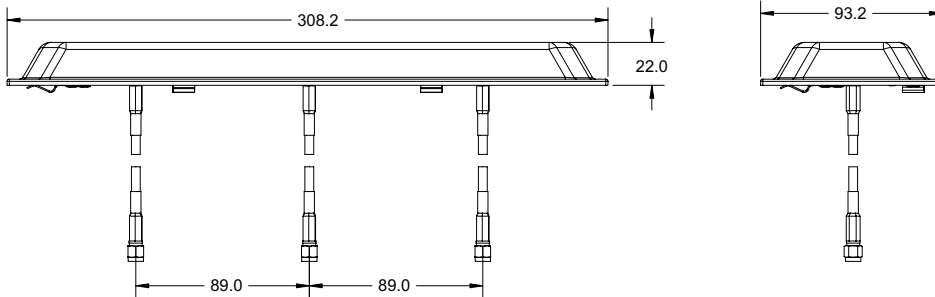
**Mount Style**

Ceiling grid/suspended tile

**Cable Length**

5 ft

Meru delivers an all-wireless network that fully supports the enterprise, delivering a consistent, interactive experience for all users. No matter what applications they are running. No matter how many other users are on the network.



For more information about Meru antennas, visit | [www.merunetworks.com](http://www.merunetworks.com) | Or email your questions to: [info@merunetworks.com](mailto:info@merunetworks.com)

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