



2.4GHz 3dBi Horizontally Polarized Omnidirectional Antenna

The GCB-AHB omnidirectional antenna is made from rigid aluminum extrusion and powder coat painted. It comes complete with a mounting bracket for a 2in to 2.5in OD pole. This antenna is designed for extreme environments. The antenna is horizontally polarized and offers great rejection of vertically polarized interference, as is the case in most WLAN systems.

Features

- Horizontally Polarized
- 13dBi Antenna Gain
- Type N Female Integrated Connector
- Extremely Rugged for long service life in extreme environments
- Weatherproof

Specifications

- 2400 – 2485MHz frequency range
- 13dBi gain
- -14 input return loss (S_{11})
- 1.5:1 VSWR
- 50 Ohm impedance
- 100W input power
- -40°C to 70°C operating temperature (-40°F to 158°F)
- 2 to 2.5in pole diameter (50 to 60mm)
- 7 degree vertical beam width
- -27dB cross polarization rejection
- 10 degree mechanical downtilt
- Wind loading:
 - 100mph: 63lbf
 - 140mph: 124lbf
 - 100mph & ½in radial ice: 80lbf
- 9lb (4.8kg)
- 49 × 4 × 1in (124 × 10 × 2.5cm)



Antenna Patterns at 2.45GHz

