

WiBORNE, INC.

Long Range High Performance 5 GHz Antenna

32 dBi 5GHz High Data Rate Dish Antenna for WISP



The new OA-5032HD dish antennas offered by WiBorne offer the system engineer the best performance available on the market. The antennas meet ETSI EN 302 085 TS4 and EN 300 833 Class 1 specifications, the most stringent specifications for point to point backhaul antennas. The unique feed system is available in a single polarization version which can be mounted for either vertical or horizontal polarization. There is also a dual polarized version available for those systems which can utilize dual polarization to increase bandwidth or implement diversity. An optional fiberglass radome is available for added environmental protection.

- Vertical or Horizontally Polarized
- Wide Band Operation 5150-5850MHz
- Dual Polarity Models Available
- Ultraslow Sidelobes, Meets ETSI Standards
- Extremely Rugged for long service life in extreme environments

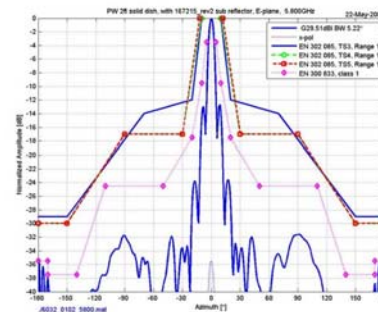
General Specifications

Part Number	OA-5032HD for 32 dBi 5GHz
Type	Special High Gain Directional Antenna
Product Narrative	High Gain, High Data Rate Noise-Reducing <i>Rejection of Interference</i> Geometric Spatial Capture of Signal
General Freq.(MHz)	5150 - 5850
Impedance	50 OHM
Available Gain(dBi)	32 dBi
Max. Input Power	100 Watts
H. Beamwidth	4 degree
Vert. Beamwidth	4 degree
Front to Back	-38 dB
Cross Pole	-34 dB
VSWR	1.5 : 1
Mechanical Downtilt	30 deg
Operating Temperature	-40 to +70 °C
Weight	22 lbs. (10 Kg)
Pole Diameter (OD)	Min 2" (50); Max 3" (76) (mm)
Wind Load 100MPH	256 lbs
125MPH	400 lbs
w/Radome 100MPH	111 lbs
125MPH	174 lbs
Termination	Type N Female Integrated Connector
Dimension (Dia)	36.5" (927mm)

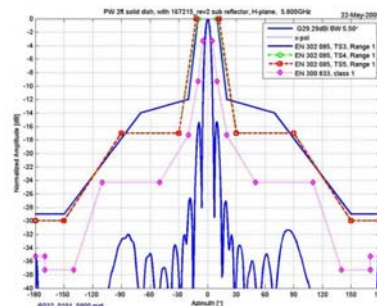
Applications

- 802.11a Wireless Applications
- OFDM Systems
- Cellular
- Point to Point Backhaul

5.8GHz E-plane



5.8GHz H-plane



Dual Polarized Feed



Optional Radome

WiBorne
Take your wireless airborne.
WiBorne, Inc. www.wiborne.com
sales@wiborne.com

USA Office:
4790 Irvine Blvd., Suite 105-458,
Irvine, CA 92620
Tel: 1-949-903-8502
Fax: 1-949-252-0888

Taiwan Office:
1FL-18, No. 303, Sec. 2, Chung San Rd.,
Chung Ho City, Taipei County 235, Taiwan
Tel: 886-2-2223-0180