

# WiBORNE, INC.

## Long Range Wireless Backhaul Antenna

### 5GHz High Data Rate for WISP



The 5GHz parabolic grid directional antennas offered by WiBorne utilize a unique patented parabolic grid design with compact high performance feed. The antennas are constructed of welded steel wires which are galvanized and then powder coat painted with light gray epoxy paint. The wire grid semi-parabolic design offers unsurpassed low wind loading while maintaining good RF performance. The compact low visual impact attractive styling blends well in almost any application. Mounting is simplified with the WiBorne bracket system made of galvanized steel with stainless steel hardware. The antenna comes with a bulkhead N Female connector standard.

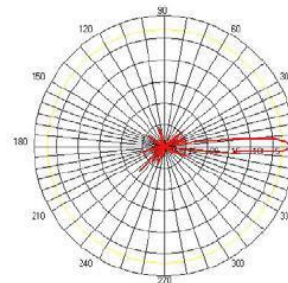
- Vertical or Horizontally Polarized
- 29 dB Antenna Gain
- Type N Female Connector
- Rugged and Weatherproof
- Ultra Low Wind Loading and Low Visual Impact

### General Specifications

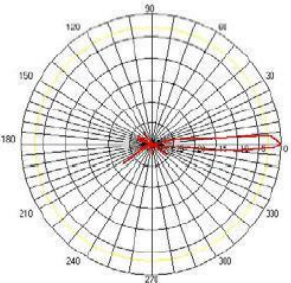
Part Number	OA-5029 for 29 dBi 5GHz
Type	Special High Gain Directional Antenna
Product Narrative	High Gain, High Data Rate Noise-Reducing Rejection of Interference Geometric Spatial Capture of Signal
General Freq.(MHz)	5725-5850
Impedance	50 OHM
Available Gain(dBi)	29 dBi
Max. Input Power	100 Watts
H. Beamwidth	4 degree
Vert. Beamwidth	5 degree
Front to Back	25 dB
Bracket Tilt	+/- 45 degree
VSWR	1.5 : 1
Overall Size	28.5"x36" (72.4 cm x 91.4 cm)
Operating Temperature	-40 to +70 °C
Weight	11 lbs. ( 5 Kg )
Pole Size	1"~2" ( 2.5~5 cm)
Wind Load 100MPH	41 lbf
125MPH	64 lbf
Termination	Type N Female Integrated Connector
Dimension (W X L)	28.5" X 36" (724mm X 914mm)

### Applications

- 5 GHz Wireless LAN applications
- Point to Point Backhaul



OA-5029 HPOL



OA-5029 VPOL

Note: 21/22/25/26/28 dBi models with variety of 5GHz frequency are available



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