

WiBORNE, INC.

Long Range Wireless Wide Band Antenna

4940-5850MHz High Data Rate for WISP



OA-5028W

The 4940-5850 MHz 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.

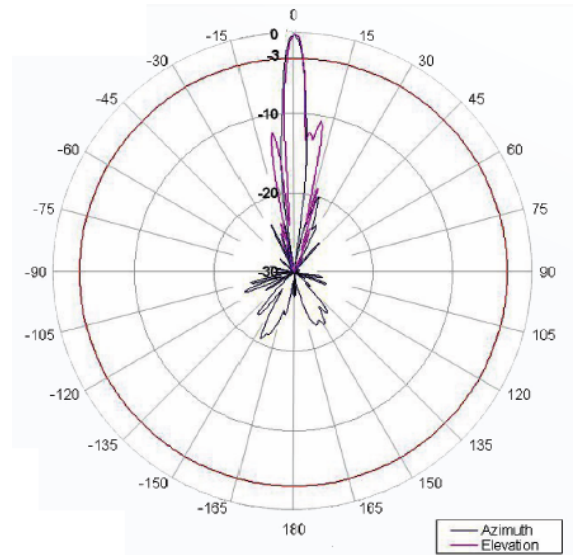
- Vertical or Horizontally Polarized
- 28 dB Antenna Gain
- 30" Pigtail Type N Female Connector
- Rugged and Weatherproof
- Ultra Low Wind Loading and Low Visual Impact

General Specifications

Part Number	OA-5028W for 28 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)	4940-5850
Impedance	50 OHM
Available Gain(dBi)	28 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 With ½" Radial Ice	257 lbs
Termination	Type N Female Integrated Connector

Applications

- 5 GHz Wireless LAN applications
- Point to Point Backhaul
- 4.9GHz public safety applications



Note: 21 and 25 dBi models with variety of 5GHz frequency are available



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