

## Long Range High Performance 2.4 GHz Antenna

### 27 dBi 2.4GHz High Data Rate Dual Polarity Dish Antenna for WISP



The new OA-2427HD 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.

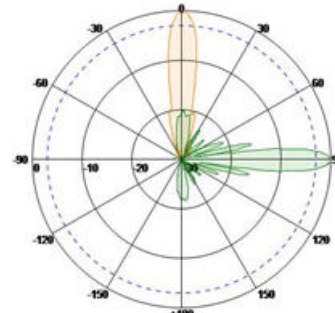
- Vertical or Horizontally Polarized
- Wide Band Operation 2300-2700 MHz for Dual Polarity for b/g or MIMO
- Ultraslow Sidelobes, Meets ETSI Standards
- Extremely Rugged for long service life in extreme environments

### General Specifications

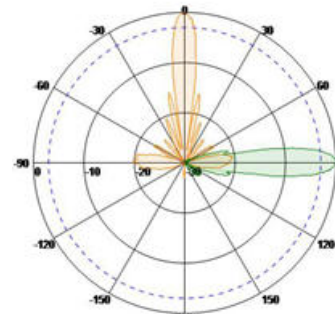
Part Number	OA-2427HD for 27 dBi 2.4GHz
Type	Special High Gain Directional Antenna
Product Narrative	High Gain, High Data Rate Noise-Reducing <i>Rejection of Interference</i> Geometric Spatial Capture of Signal
General Freq.(MHz)	2300-2700
Impedance	50 OHM
Available Gain(dBi)	27 dBi;
Max. Input Power	100 Watts
Vertical Beamwidth	8°
Horizontal Beamwidth	7°
Sidelobes	ETSI EN 302.326-3 DN1-DN5, ETSI EN 300.833 class 1
Front to Back (dB)	> 28 dB
Isolation	> 30 dB
VSWR	< 1.5 type; max 2.0
Mechanical Downtilt	0 - 25°
Port-to-port isolation	> 30 dB (dual Pol)
Operating Temp.	-40 to +70 °c
Weight	14kg
Pole Diameter (OD)	Φ50 to Φ100
Remark	Included rocket hanger
Termination	2 x N Female or RP SMA
Packing Size	102 X 108 X 26 CM

### Applications

- 802.11b/g/n Wireless Applications
- OFDM Systems
- Cellular or Public safety communications
- Point to Point Backhaul



V Port



H Port

