WIBORNE, INC.

Long Range Advanced Omni Antenna for WISP

Bandera Series – OA-2413

The OA-2413 series Horizontally Polarized Omni Directional Antennas are made from rigid aluminum extrusion and powder coat painted. They feature integrated 50 ohm passive feeds that come standard with type N female connectors. Horizontally polarized antennas offer the user great rejection of interference if that interference is vertically polarized, as is the case in most WLAN systems. These omnis is 20 dB stronger than the signal from a similar vertical collinear. It makes it ideal for point-to-multi-points or tower-to-CPE use.

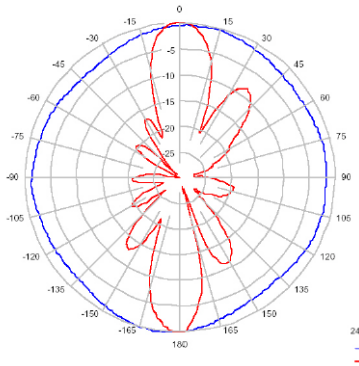
- Horizontally Polarized
- 9 and 13 dB Antenna Gain
- Type N Female Integrated Connector
- Extremely Rugged for long service life in extreme environments
- Weatherproof

Part Number	OA-2413 for 9/13 dBi OMINI 2.4GHz
Type	Special High Gain Omni-Directional
Product Narrative	High Gain Noise-Reducing *Rejection of Interference* Geometric Spatial Capture of Signal Omni-Directional
General Freq.(MHz)	2400-2485 (802.11b & g)
Input Return Loss (S_{11})	-14 dB
Impedance	50 OHM
Available Gain(dBi)	9 or 13 dBi
Max. Input Power	100 Watts
H. Beamwidth	360 degrees
Vert. Beamwidth	20 / 7 deg (9/13 dBi)
Cross Polarization Rejection	-29/-27 dB (9/13 dBi)
Downtilt	10 Deg Mech
VSWR	1.5 : 1
Overall Size	27”x4”x1” (69x10x2.5 cm) (9 dBi) 49”x4”x1” (124x10x2.5 cm) (13dBi)
Operating Temperature	-40 to +70 ℃
Weight	6 / 9 lb. (2.7 / 4.8 Kg) (6 / 9 dBi)
Rate Wind Velocity	110 MPH
Wind Load 100MPH 140MPH	25 / 63 lbf (9/13 dBi) 48 / 124lbf (9/13 dBi)
Termination	Type N Female Integrated Connector

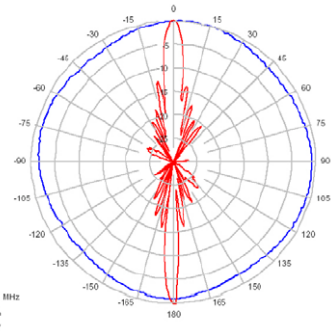
OA-2413 – 9/13 dBi Omni 360 Degree Coverage

Idea for:

- 2.4 GHz ISM Band Applications
- Base Station Antennas
- 802.11b and 802.11g Wireless Systems
- Point to Multi-point Systems
- Wireless Broadband Systems
- WiFi Access Points



9dB Antenna Pattern



13dB Antenna Pattern

WiBorne Take your wireless airborne.

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