

# WiBORNE, INC.

## Long Range Base Station Sector Antennas for WISP

### OA-2417S



With 2300 to 2700 MHz of wide band performance, this 2.4GHz 90 deg Vertically Polarized Sector antenna system offered by Wiborne is constructed of UV stable fiber glass radomes. The antenna is constructed using corrosion resistant metal elements and a unique air dielectric system which is more stable than PCB based antenna systems because they don't absorb moisture, which can degrade the performance of PCB based antenna systems. The sectors come with a stainless steel scissor bracket mounting system for ease of installation and alignment.

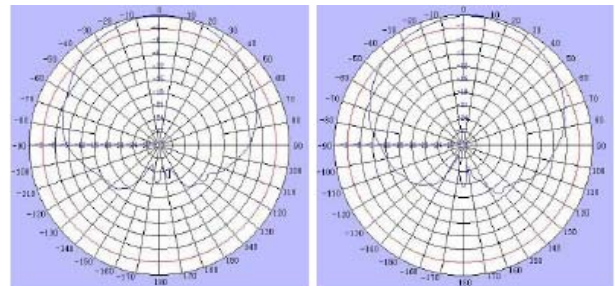
- Vertically Polarized Wide Band performance
- Variable 45, 60, 90 and 120 deg model with gains from 16 dBi to 20 dBi
- Type N Female Integrated Connector
- Extremely Rugged for long service life in extreme environments
- Weatherproof

Frequency Range	2300~2700 MHz
Part Number	OA-2417S
VSWR	1.5:1
Impedance	50 OHM
Input Power	50W
Pole Diameter (OD)	1" (25) ~ 2" (50) inch (mm)
Operating Temperature	-40 ~ +70 Deg C
Gain	17 dBi
Horizontal Beam Width	90 deg
Vertical Beam Width	7 deg
Front to Back	20dB
Mechanical Downtilt	30 deg
Weight	6.6lb (3kg)
Dimensions (LxWxH)	33.5"x6.5"x2.5" (851 x 165 x 63.5mm)
Wind Load	247 sq. In. 61.8 lb / 100MPH; 96.5 lb / 125MPH; 62 lb / 100MPH 1/2" radial ice

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#### Applications:

- WiMAX Applications
- 802.11b and 802.11g Wireless Systems
- Point to Multi-point Systems
- Base Station Antennas
- Broadband Wireless Access
- MMDS Applications



Scissor Bracket Mounting System