

## Long Range Base Station Sector Antennas for WISP

### OA-5016S / OA-5017S / OA-5019M (MIMO)



OA-5016S / OA-5017S

The 802.11a or dual polarity MIMO 5GHz Vertically Polarized Sector antenna systems are constructed of UV stable ASA polymer plastic radomes and galvanized steel brackets with stainless steel hardware for long service life in the most demanding conditions. The ultra wide band operation allows a single antenna to cover a wide frequency range thereby allowing the operator maximum flexibility in his network. The antennas are DC Grounded for lightning/ESD protection. The heavy duty bracket system adjusts for up to 15 deg of downtilt.

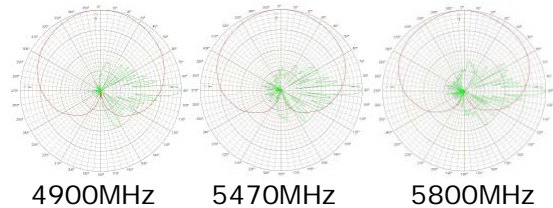
- Hi gain 16, 17, or 19dBi in a small form factor
- Type N female integrated connector(s)
- Galvanized steel tilt bracket for up to 3.5" dia pole
- Vertically polarized, wide band operation
- Completely weatherproof
- Wind Resistance = 160MPH survivability
- RoHS Compliant

<b>Frequency Range</b>	4940~5875 MHz
<b>Part Number</b>	OA-5016S / OA-5017S / OA-5019M
<b>VSWR</b>	1.8:1 / 1.8:1 / 1.5:1 Typ
<b>Impedance</b>	50 OHM
<b>Input Power</b>	10W / 10W / 20W
<b>Pole Diameter (OD)</b>	1.5" (38) ~ 3.5"(89) inch (mm)
<b>Operating Temperature</b>	-40 ~ +70 Deg C / -45 ~ +65 Deg C /
<b>Gain</b>	16 dBi / 17 dBi / 19dBi
<b>Horizontal Beam Width</b>	120 deg / 90 deg / 120 deg
<b>Vertical Beam Width</b>	6 deg / 6 deg / 4 deg
<b>Front to Back</b>	>25dB
<b>Mechanical Downtilt</b>	15 deg / 15 deg / +15~-30 deg
<b>Weight</b>	2 lb (1.3kg) / 2 lb / 9 lb (4.1kg)
<b>Dimensions (LxWxH)</b>	5016S / 5017S: 24.6" x 2.7" x 1.7" 5019M: 28" x 6.4" x 2.5"
<b>Wind Load</b>	5016S / 5017S: 66.4 sq. In. 16.6 lb / 100MPH; 24.5 lb / 125MPH 5019M: 125MPH
<b>Connector (Type-N)</b>	1 / 1 / 2

### OA-5016S / OA-5017S

Applications:

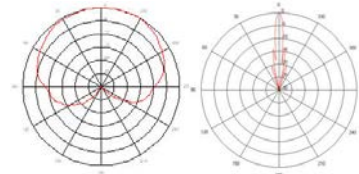
- 5 GHz U-NII Band Applications
- 802.11a Applications
- Point to Multi-points Systems
- Base Station Antennas



### OA-5019M (MIMO)

Applications:

- 5 GHz wideband frequency performance
- 802.11a/ MIMO Applications
- Point to Multi-points Systems
- Base Station Antennas



Horizontal Cut Vertical Cut, typ.



Bracket with angle indicator (OA-5016S/OA-5017S)