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Vertically Polarized Sector Antennas 5470 to 5850 MHz Operation

The vertically polarized sector antenna systems offered by Laird Technologies are constructed of UV stable ABS plastic radomes and die-cast aluminum brackets for long service life in the most demanding conditions. The antennas are DC grounded for lightning/ESD protection. The super heavy duty bracket system is easy to install and adjust for up to 15 deg of downtilt. The single bracket system allows for easy deployment of multiple sectors on a single pole.

Features and Benefits:

- High gain 16dBi and 17dBi in a small form factor
- Vertically polarized, wide band operation
- Type N female integrated connector
- Completely weatherproof
- Easy to use tilt bracket

Applications

- 5.8GHz U-NII band applications
- Base station antennas
- Point to multi-point systems
- 802.11a applications

For sales information:

Telephone 801-572-3024

E-Mail sales@pacwireless.com

or visit: www.pacwireless.com

Specifications

| Parameter | Min | Typ | Max | Units |
|--------------------|-----------|-------|---------|-----------|
| Frequency Range | 5470 | | 5850 | MHz |
| VSWR | | 1.5:1 | | |
| Impedance | | 50 | | OHM |
| Input Power | | | 100 | W |
| Pole Diameter (OD) | 1.5" (38) | | 3" (76) | Inch (mm) |

| Parameter | SA58-120-16-WB | SA58-90-17-WB |
|-----------------------|---|---|
| Gain | 16 dBi | 17 dBi |
| Horizontal Beam Width | 120 deg | 90 deg |
| Vertical Beam Width | 7 deg | 7 deg |
| Polarization | Vertical | Vertical |
| Front to Back | >21 dB | >23 dB |
| Mechanical Downtilt | 15 deg | 15 deg |
| Weight | 2.6 lb (1.2kg) | 2.6 lb (1.2kg) |
| Dimensions (LxWxH) | 21.5" x 5" x 2.8" (545 x 125 x 71mm) | 21.5" x 5" x 2.8" (545 x 125 x 71mm) |

Wind Loading (Lbs.)

| Model | Sq. In | 100MPH | 125MPH |
|---------|--------|---------|--------|
| SA58-WB | 110 | 27.5 lb | 43 lb |

System Ordering:

| | |
|----------------|---|
| SA58-120-16-WB | 5470-5850MHz 120deg, 16dBi, VPOL sector antenna |
| SA58-90-17-WB | 5470-5850MHz 90deg, 17dBi, VPOL sector antenna |

Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty

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Specifications subject to change without notice.

Antenna Patterns

