Laird TECHNOLOGIES®

Innovative **Technology** for a **Connected** World

SA58-WB
Vertically Polarized Sector Antennas

5470-5850 MHz VERTICALLY POLARIZED SECTOR ANTENNA

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° of downtilt. The single bracket system allows for easy deployment of multiple sectors on a single pole.

FEATURES RoHS

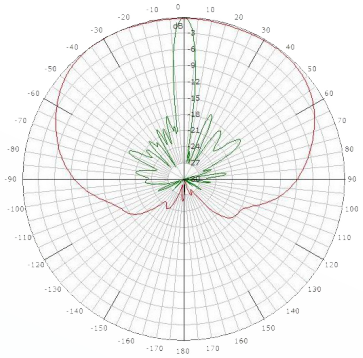
- High gain 16 dBi and 17 dBi in a small form factor
- Vertically polarized, wide-band operation
- Type N female integrated connector
- Completely weatherproof
- Easy to use tilt bracket

MARKETS

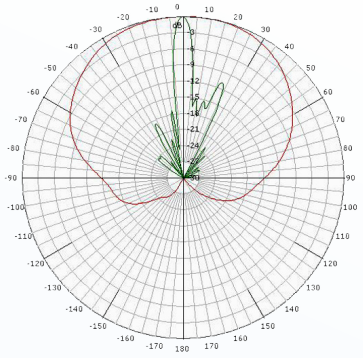
- 5.8 GHz U-NII band applications
- Base station antennas
- Point to multi-point systems
- 802.11a applications
- WiMAX

PARAMETER	SA58-120-16-WB	SA58-90-17-WB
Frequency range	5470 - 5850 MHz	5470 - 5850 MHz
VSWR	1.5:1	1.5:1
Impedance	50 ohm	50 ohm
Input power	100 W	100 W
Pole diameter (OD)	1.5 - 3 in (38 - 76 mm)	1.5 - 3 in (38 - 76 mm)
Gain	16 dBi	17 dBi
Horizontal beamwidth	120°	90°
Vertical beamwidth	7°	7°
Polarization	Vertical	Vertical
Front-to-back	>21 dB	>23 dB
Mechanical downtilt	15°	15°
Weight	2.6 lbs (1.2 kg)	2.6 lbs (1.2 kg)
Dimensions (L x W x H)	21.5 x 5 x 2.8 in (545 x 125 x 71 mm)	21.5 x 5 x 2.8 in (545 x 125 x 71 mm)

ANTENNA PATTERNS



SA58-120-16-WB



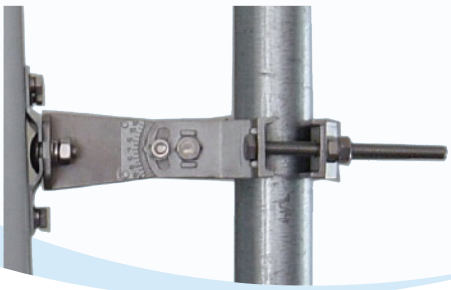
SA58-90-17-WB

WIND LOADING

MODEL	SQ. IN	100 MPH	125 MPH
SA58-WB	110	27.5 lb	43 lb

SYSTEM ORDERING

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



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