

Vertically Polarized Sector Antennas



5470-5850 MHz VERTICALLY POLARIZED SECTOR ANTENNA

The vertically polarized sector antenna systems offered by Laird 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

- 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)

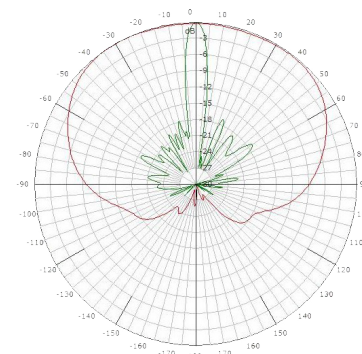
WIND LOADING

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

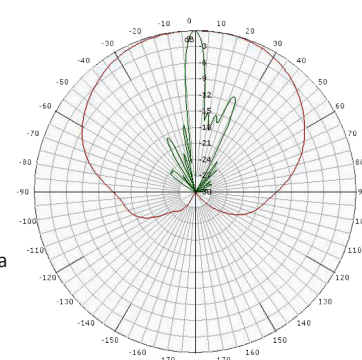
SYSTEM ORDERING

- 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

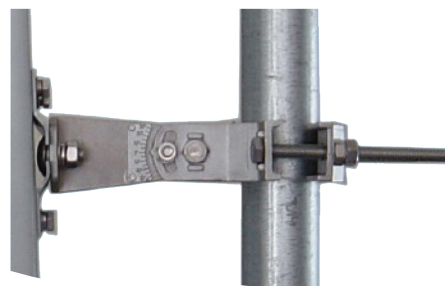
ANTENNA PATTERNS



SA58-120-16-WB



SA58-90-17-WB



ANT-DS-SA58-WB 0115

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.