



2300-2700 MHZ VERTICALLY POLARIZED BASE STATION SECTOR ANTENNA

The 60deg, 90deg and 120deg vertically polarized base station sector antenna systems offered by Laird Technologies are constructed of UV stable fiber glass radomes. The 45deg sector has a UV Stable ASA plastic radome. The radome construction gives long service life under the most demanding conditions. The antennas are constructed using corrosion resistant metal elements and a unique air dielectric system which are 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.

FEATURES

- Vertically polarized wide band performance
- 45, 60, 90, and 120 deg models with gains from 16dBi to 20dBi
- Type N female integrated connector
- Extremely rugged for long service life in extreme environments
- Weatherproof

MARKETS

- WiMAX applications
- Base station antennas
- 802.11b and 802.11g wireless systems
- Point to multi-point systems
- Broadband wireless access
- MMDS applications

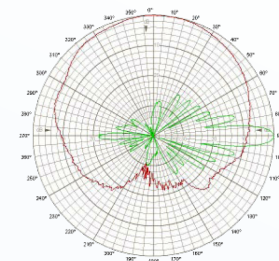
PARAMETER	SA24-45-20-WB	SA24-60-17-WB	SA24-90-17-WB	SA24-120-16-WB
Frequency range	2300 - 2700 MHz	2300 - 2700 MHz	2300 - 2700 MHz	2300 - 2700 MHz
VSWR	1.5:1	1.5:1	1.5:1	1.5:1
Impedance	50 ohm	50 ohm	50 ohm	50 ohm
Input power	50W	50W	50W	50W
Pole diameter (OD)	1" - 2" (25-50mm)	1" - 2" (25-50mm)	1" - 2" (25-50mm)	1" - 2" (25-50mm)
Temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Gain	20 dBi	17 dBi	17 dBi	16 dBi
Horizontal beamwidth	45°	60°	90°	120°
Vertical beamwidth	7°	8°	7°	9°
Front-to-back	25 dB	25 dB	20 dB	21 dB
Mechanical downtilt	30°	30°	30°	30°
Weight	8.4 lbs (3.8 kg)	6.6 lbs (3 kg)	6.6 lbs (3 kg)	6.6 lbs (3 kg)
Dimensions (L x W x H)	34" x 7" x 3.5" (864 x 178 x 89mm)	33.5" x 6.5" x 2.5" (851 x 165 x 64mm)	33.5" x 6.5" x 2.5" (851 x 165 x 64mm)	33.5" x 6.5" x 2.5" (851 x 165 x 64mm)

WIND LOADING

MODEL	SQ. IN	100 MPH	125 MPH	100 MPH 1/2" RADIAL ICE
SA24 WB	247	61.8 lb	96.5 lb	62 lb

SYSTEM ORDERING

SA24-45-20-WB	45deg 20dBi 2300-2700MHz VPOL sector antenna
SA24-60-17-WB	60deg 17dBi 2300-2700MHz VPOL sector antenna
SA24-90-17-WB	90deg 17dBi 2300-2700MHz VPOL sector antenna
SA24-120-16-WB	120deg 16dBi 2300-2700MHz VPOL sector antenna



Typical azimuth and elevation pattern
SA24-90-17-WB



ANT-DS-SA24WB 0709

Any information furnished by Laird Technologies, 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 Technologies materials rests with the end user, since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2009 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, 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 Technologies or any third party intellectual property rights.

global solutions: local support.™

Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com