



Specification

# SPECIFICATION

- Part No. : SA.PANEL.20
- Spec No. : 3020
- Product Name : **17dBi Vertical Polarized 120° Sector Antenna  
4900-5900MHz**
- Dimensions : 630\*70\*70mm
- Features : Excellent Radiation Patterns  
Wide Bandwidth with high gain across the band  
UV Stabilised Radome with Stainless steel Brackets  
RoHS Compliant



### REVISION STATUS

Version	Date	Page	Revision Description	Prepared	Approved
01	Aug 12 <sup>th</sup> 2009	All	New Product	TW Product Centre	Ronan Quinlan



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# 1.0 Introduction

This broadband vertically polarized base-station antenna is designed for sectorized applications offering superior Azimuth and Elevation pattern control across the entire frequency band. These antennas are aesthetically pleasing while maintaining a rugged design.

Applications:- Base-station Antennas, Point to Multi-Point Solutions, 802.11 Wi-Fi.

# 2.0 Antenna Performance

## 2.1 Electrical Specifications

No.	Parameter	Specification
1	Communication System	Wireless LAN
2	Frequency Band	4900-5900 MHz
3	Return Loss	>14dB
4	Gain	17 dBi
5	Impedance	50 Ohm
6	Polarization	Vertical
7	Max Power Handling	50W
8	Horizontal Beamwidth	120°
9	Vertical Beamwidth	5°
10	Front to Back Ratio	>25dB
11	Upper Sidelobe Suppression	>18dB
12	Electrical Downtilt	0°

## 2.2 Mechanical Specifications

No.	Parameter	Specification
1	Connector	N Type Female
2	Connector Location	Bottom
3	Dimensions (L*W*D)	630*70*70mm
4	Weight	2kg
5	Radome	UV Stabilised ASA
6	Mounting	Adjustable pipe mount (included)

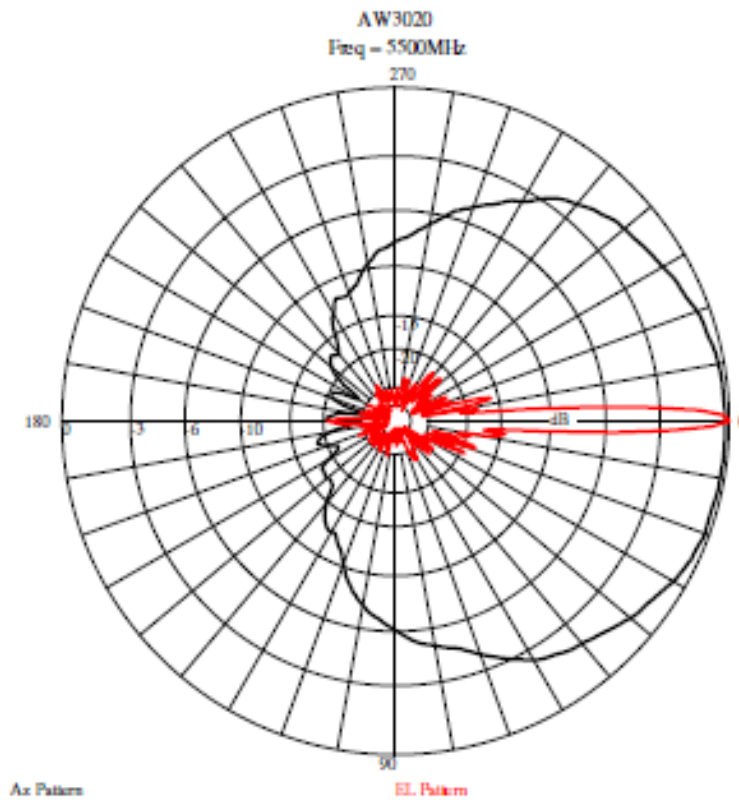


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### 2.3 Environmental Ratings

No.	Parameter	Specification
1	Rated Wind Velocity	200km/h (125mph)
2	Lightening Protection	DC Grounded
3	Temperature	-40°C to +70°C

### 3.0 Performance



Typical Azimuth and Elevation Pattern