

## Variable Sector Antenna 4.94-5.875 GHz, 35-130° Beamwidth, 18-13.5 dBi



**ARC-VS5818SV1**

- ◆ Wide range of beamwidths, 1 SKU
- ◆ Mechanical slide for easy field adjustments
- ◆ Ultra wideband frequency performance
- ◆ High gain antenna in compact package
- ◆ Low profile, rugged design for outdoor use
- ◆ US Engineered
- ◆ Manufactured under strict US quality control procedures

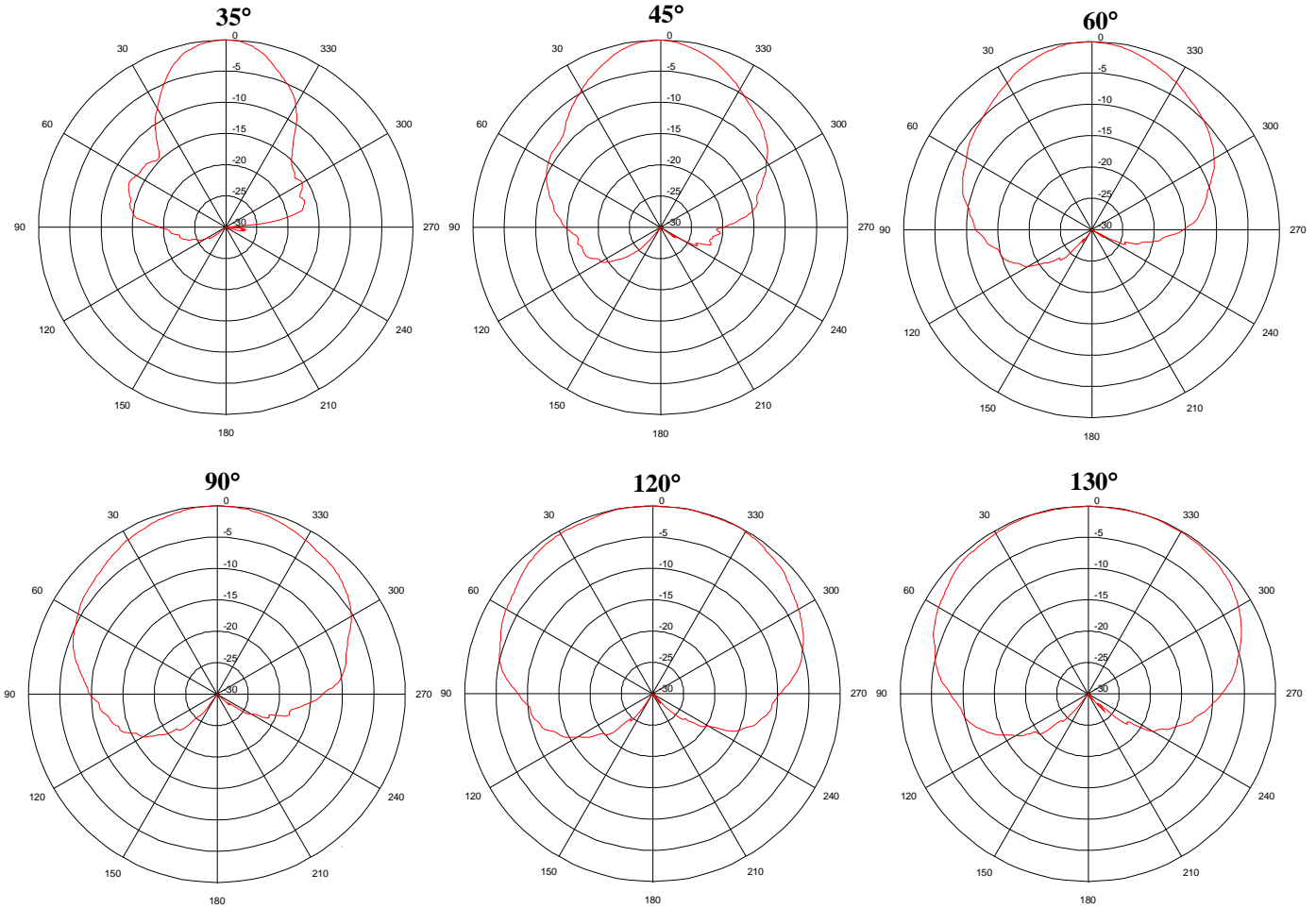
Electrical Specifications						
Frequency Range	4.94-5.875 GHz					
Polarization	Single Linear - Vertical					
3dB Horizontal (AZ) Beamwidth	35°	45°	60°	90°	120°	130°
Gain (dBi)	18	17.5	16.5	15	14	13.5
3dB Vertical (EL) Beamwidth	7.5 deg					
VSWR 4.94-5.875 GHz	1.4:1 Typ 1.7:1 Max					
Front-to-Back Ratio	>25 dBi					
Cross Polarization	>30 dBi					
Sidelobe Level	>12 dBi					
Power Rating	50 watts					
Impedance	50 ohms					
Lightning Protection	DC ground					

Mechanical and Environmental Specifications	
Length x Width x Depth	23in x 6.4in x 3.3in (58.4cm x 16.2cm x 8.4cm)
Weight	6.0lbs (2.72kg)
Radome	UV stabilized ABS plastic, gray
Wind Survivability	125mph (201kph)
Wind Load	1.0ft <sup>2</sup> (.09m <sup>2</sup> )
Operating Temperature Range	-49°F to 149°F (-45°C to 65°C)
Pole Mount Diameter Range	2.0in to 3.0in (5.0cm to 7.5cm)
Environmental	IP 65
Connector	Type-N Jack
Mechanical Downtilt	30 deg

Ordering Information	
Part #	Description
ARC-VS5818SV1	5.8GHz Variable Gain, Variable Beam Width, Type-N Jack

Shipping Information	
Sizes and Weights	Description
TBD	Single Pack

## RF Patterns Horizontal Cut, typ.



## RF Patterns Vertical Cut, typ.

