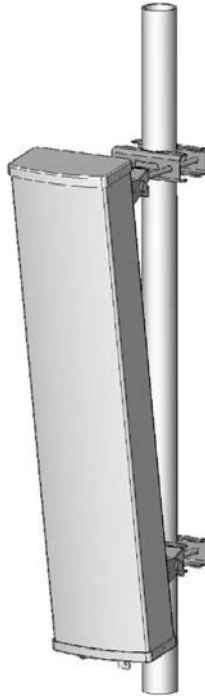


## Variable Sector Antenna

3.3-3.8 GHz, 45-135° Beamwidth, 19-14.5 dBi



- ◆ 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

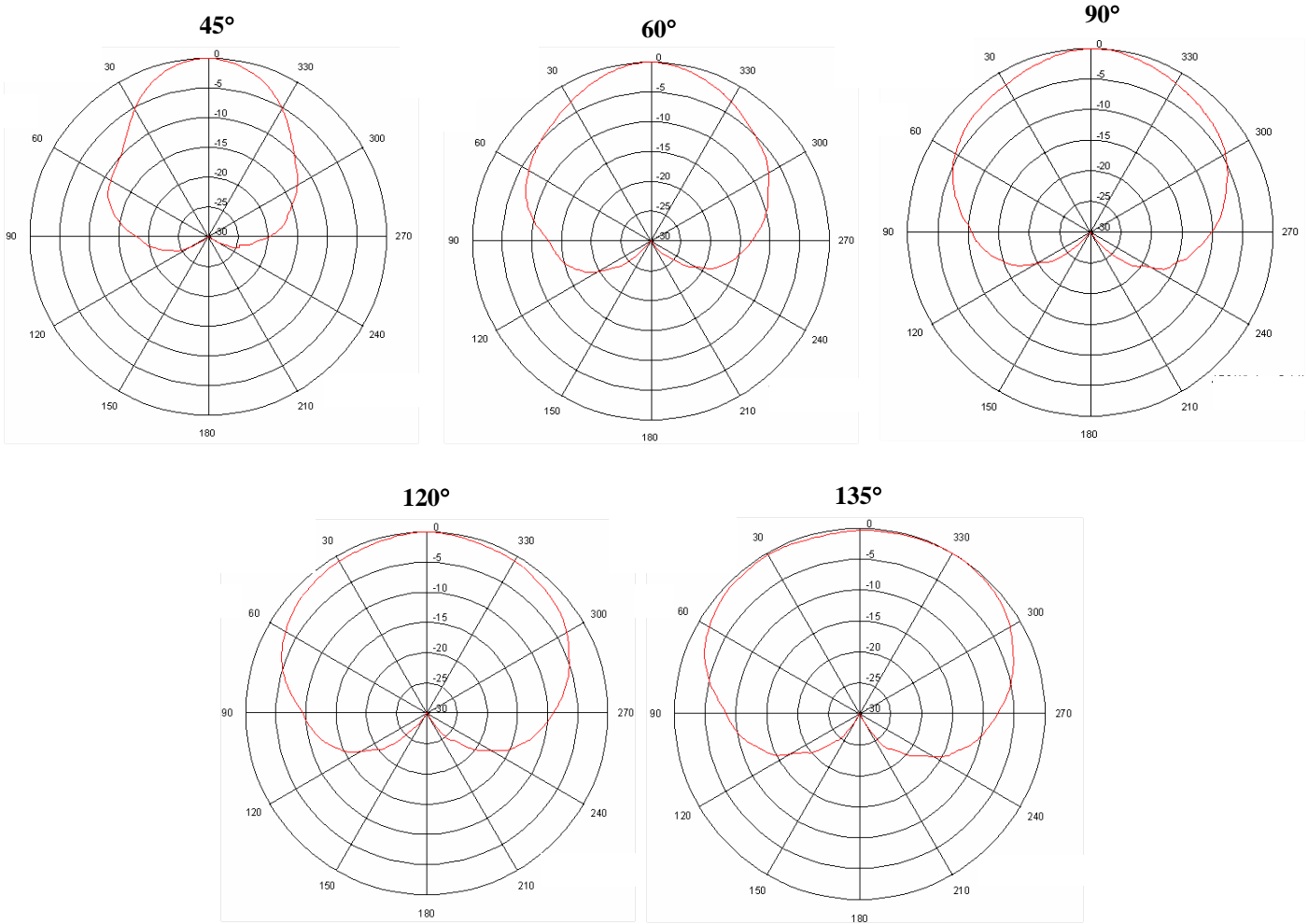
Electrical Specifications					
Frequency Range	3.3-3.8 GHz				
3dB Horizontal (AZ) Beamwidth	45°	60°	90°	120°	135°
Gain (dBi)	19	17.5	16	15	14.5
3dB Vertical (EL) Beamwidth	7 deg				
VSWR 3.3-3.8GHz	1.4:1 Typ 1.7:1 Max				
Front-to-Back Ratio	>25 dBi				
Cross Polarization	>30 dBi				
Sidelobe Level	>12 dBi				
Power Rating	50 watts				
Impedance	50 ohms				
Lightning Protection	DC ground				

Mechanical and Environmental Specifications	
Length x Width x Depth	30in x 6.4in x 3.3in (76.2cm x 16.2cm x 8.4cm)
Weight	8.0lbs (3.63kg)
Radome	UV stabilized ABS plastic, gray
Wind Survivability	125mph (201kph)
Wind Load	1.3ft <sup>2</sup> (.12m <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

Shipping Information	
<u>Sizes and Weights</u>	<u>Description</u>
TBD	Single Pack

Ordering Information	
<u>Part #</u>	<u>Description</u>
ARC-VS3518SV1	3.5GHz Variable Gain, Variable Beam Width, Type-N Jack

#### RF Patterns Horizontal Cut, typ.



#### RF Patterns Vertical Cut, typ.

