



# ARC-DA5830SD1

## ARC EXSITE™ Parabolic Dual-Pol Dish Antenna 4.94-5.875 GHz 30dBi



Enclosure and cables sold separately

- Industry leading interference rejection design blocks all frequencies below 4.4GHz
- Robust Design meets ETSI EN300, EN302, 2003/108/EC and 2002/95/EC specifications
- High Port to Port Isolation for Ideal MIMO Performance
- Unique mounting feature for ARC enclosures, Ubiquity Rocket, etc.
- Maximum gain achieved with 70% aperture efficiency
- Dual Polarization (H & V)
- Manufactured under strict US quality control procedures
- Precise alignment achievable with the high strength pole mount bracket. *(included)*
- Optional radome available for improved environmental protection (P/N ARC-RD-2FTABS – *Sold Separately*)

### Electrical Specifications

<b>Frequency Range</b>	4.94-5.875 GHz
<b>Gain</b>	30 dBi typ
<b>Polarization</b>	Dual Linear – Vertical and Horizontal
<b>3dB Beamwidth</b>	6 deg
<b>ETSI</b>	EN 302 326 DN1, DN2, DN3, DN5
<b>VSWR</b>	≤1.5:1 typ, ≤1.8:1 max

<b>Port to Port Isolation</b>	35dB min
<b>Front-to-Back Ratio</b>	>30 dB
<b>Cross Polarization</b>	>30 dB
<b>Power Rating</b>	100 watts
<b>Impedance</b>	50 ohms
<b>Mechanical Downtilt</b>	30 deg

### Physical/Environmental Specifications

<b>Diameter x Depth</b>	25.6 x 13.7in (65 x 35cm)
<b>Weight</b>	16 lbs (7.2kg)
<b>Reflector</b>	Aluminum
<b>Outdoor Rating</b>	ETSI EN 300 019-2-4
<b>Wind Survivability</b>	125mph (201kph)

<b>Wind Load (125 mph)</b>	176 lbs 116 lbs with radome
<b>Operating Temperature</b>	-49°F to 158°F (-45°C to 70°C)
<b>Pole Mount Diameter Range</b>	2.0 to 4.5in (5.0 to 11.4cm)
<b>Connector (2)</b>	Type-N Jack

### Antenna Patterns

Vertical Polarity

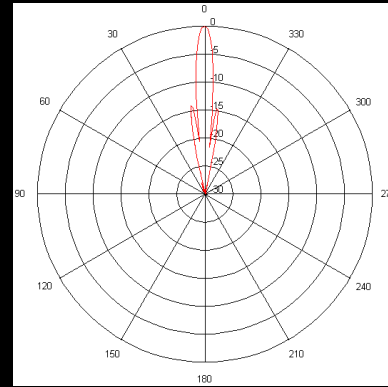
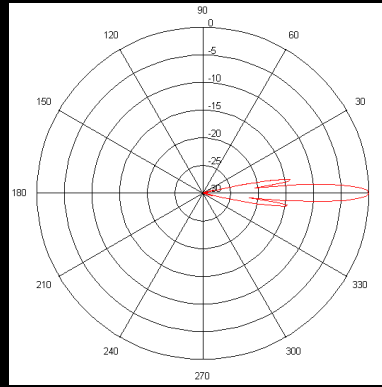
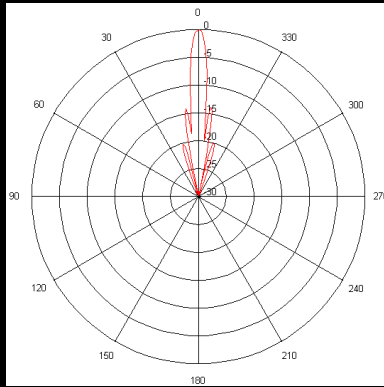
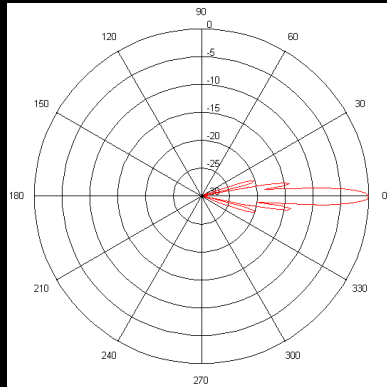
Horizontal Polarity

E-Plane

H-Plane

E-Plane

H-Plane



### Shipping Information

Size (including bracket)	28 x 28 x 7.5in (71 x 71 x 19cm)
Weight (including bracket)	19 lbs (8.6kg)
Description	Single Pack

### Ordering Information

Part Number	ARC-DA5830SD1
Description	Dish, 5.8 GHz, 30dBi, Dual Pol, Type-N, W/ Bracket