

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

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

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

Physical/Environmental Specifications

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

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

Antenna Patterns

Vertical Polarity

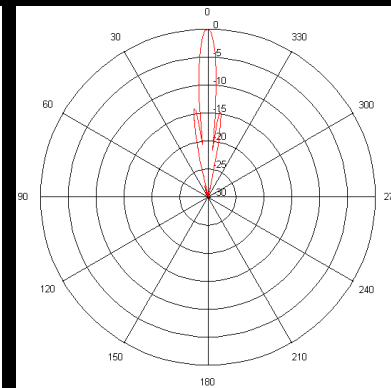
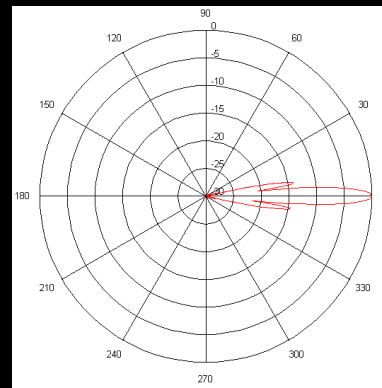
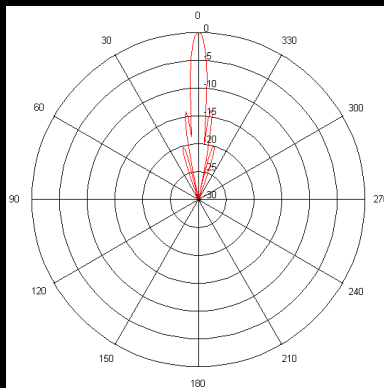
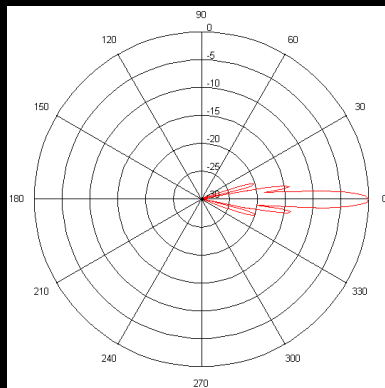
Horizontal Polarity

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