



ARC-PD5820B88

ARC EXSITE™ Dual Polarization Panel Antenna
4.94-5.875 GHz 19.5dBi



- Maximum gain in lowest size available
- Robust Design meets ETSI EN300, EN302, 2003/108/EC and 2002/95/EC specifications
- High Port to Port Isolation for Ideal MIMO Performance
- Dual Polarization (H & V)
- Manufactured under strict US quality control procedures
- Articulating wall/pole bracket (BRA-A-1699-02) included

Electrical Specifications

Frequency Range	4.94-5.875 GHz
Gain	19.5dBi (typical)
Polarization	Dual Linear – Vertical and Horizontal
3dB Beamwidth Vertical/ Horizontal	17 degrees/ 17 degrees
VSWR 4.94-4.99GHz 5.15-5.875GHz	≤1.5:1 typ, ≤2.0:1 max ≤1.5:1 typ, ≤1.7:1 max

Port to Port Isolation	≤25 dB
Front-to-Back Ratio	≤35 dB
Cross Polarization	≤30 dBi
Power Rating	30 watts
Impedance	50 ohms
Lightning Protection	DC Ground
Connector Type	N Jack (x2)

Physical/Environmental Specifications

Length x Width x Depth	10.4 x 10.4 x 0.49in (26.4 x 26.4 x 1.2cm)
Weight	2.0 lbs (preliminary)
Backplane	Aluminum
Radome	UV stabilized ABS plastic, gray
Wind Survivability	125mph (201kph)

Wind Load	0.75ft ² (0.069m ²)
Operating Temperature	-49°F to 149°F (-45°C to 65°C)
Pole Mount Diameter Range	0.75in to 1.75in (1.9cm to 4.45cm)
Environmental	IP 67 (with Enclosure)

Antenna Patterns

Vertical Polarization

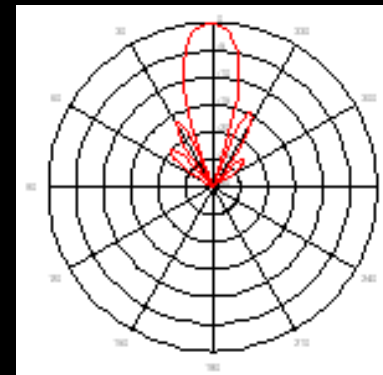
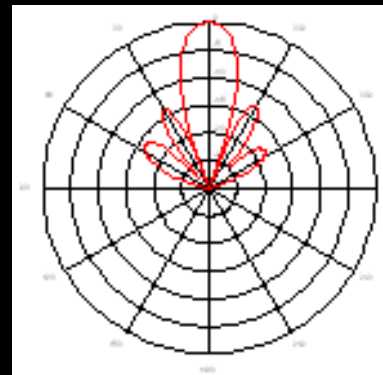
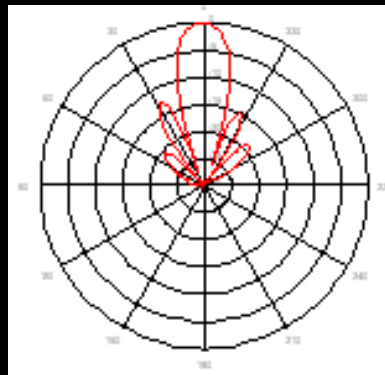
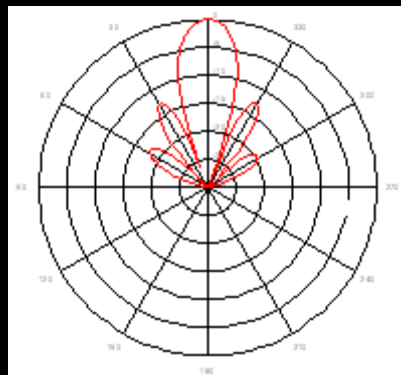
Horizontal Polarization

Elevation

Azimuth

Elevation

Azimuth



Shipping Information

Size	14.9x 11 x 14.2in (38 x 28 x 36cm)
Weight	29 lbs (13.2 kg)
Description	Bulk Pack, includes 10 in an over pack box

*These reflect standard box sizes for palletized shipments. Over pack boxes will be required for air and ground shipments.

Ordering Information

Part Number	ARC-PD5820B88
Description	Standalone Panel, 5.8 GHz, 19.5dBi, Dual Pol, Type N Jack, W/Bracket