



ARC-ID5820B88

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
- Fits with ARC's IES™, Integrated Enclosure Solutions (Sold Separately)

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	R/A SMA 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	1.46 lbs (0.66kg)
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	See ARC IES™ Enclosure Solutions
Environmental	IP 67 (with Enclosure)

Antenna Patterns

Vertical Polarization

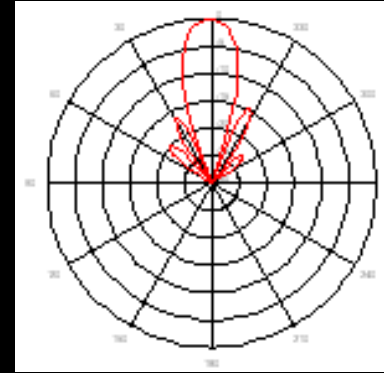
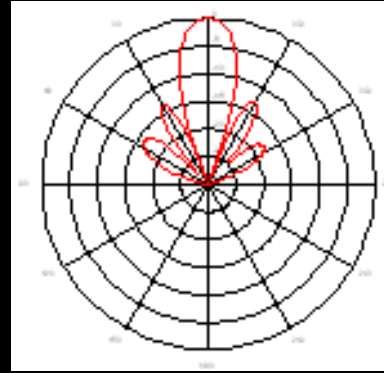
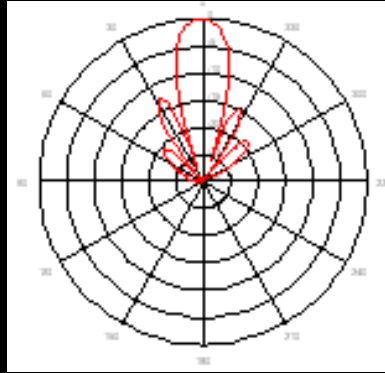
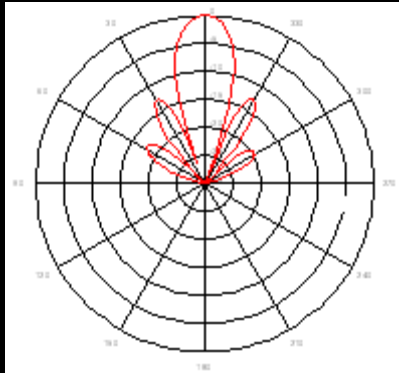
Horizontal Polarization

Elevation

Azimuth

Elevation

Azimuth



Shipping Information

Size	13.5 x 11 x 11.5in (34.3 x 27.9 x 29.2cm)
Weight	17.3 lbs (7.85kg)
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-ID5820B88
Description	Panel, 4.94-5.875 GHz, 19.5dBi, Dual Pol, R/A SMA Jack, ARC