



ARC-ID5823B88

ARC EXSITE™ Dual Polarization Panel Antenna
4.94-5.875 GHz 24/23dBi



- Fits ARC IES™ Enclosure Solutions - Sold Separately
- High Port to Port Isolation for Ideal MIMO Performance
- US Engineered
- Manufactured under strict US quality control procedures
- Low profile and rugged design for outdoor use
- Custom Enclosures available

Electrical Specifications

Frequency Range	4.94-5.875 GHz	Port to Port Isolation	40dB (minimum)
Gain (Typ)	24dBi Vertical 23dBi Horizontal	Front-to-Back Ratio	>40 dBi
Polarization	Dual Linear – Vertical and Horizontal	Cross Polarization	>30 dBi
3dB Beamwidth Vertical/ Horizontal	8 degrees/ 8 degrees	Sidelobe Level	>12 dBi
ETSI	ETSI 2, 3 and 5	Power Rating	30 watts
VSWR 4.94-4.99GHz 5.15-5.875GHz	≤1.5:1 typ, ≤1.9:1 max ≤1.5:1 typ, ≤1.7:1 max	Impedance	50 ohms
		Lightning Protection	DC Ground

Physical/Environmental Specifications

Length x Width x Depth	15.2 x 15.2 x 1.12in (38.6 x 38.6 x 2.8cm)	Wind Load	1.6ft ² (0.148m ²)
Weight	3.6 lbs (1.66kg)	Operating Temperature	-49°F to 149°F (-45°C to 65°C)
Backplane	Aluminum	Pole Mount Diameter Range	See ARC IES™ Enclosure Solutions
Radome	UV stabilized ABS plastic, gray	Environmental	IP 67 (with Enclosure)
Wind Survivability	125mph (201kph)	Connector (2)	R/A SMA Jack

Antenna Patterns

Vertical Polarization

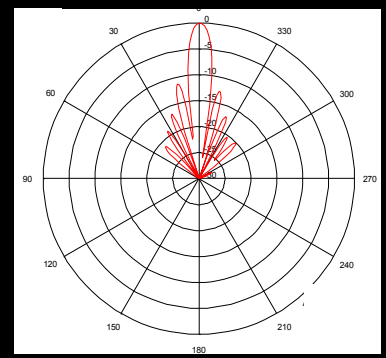
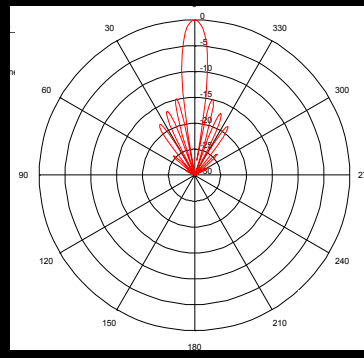
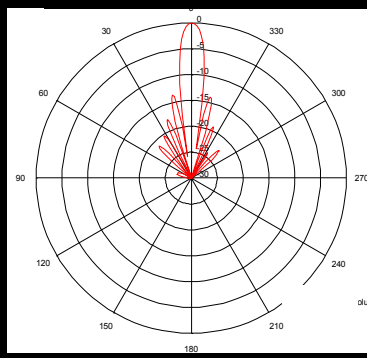
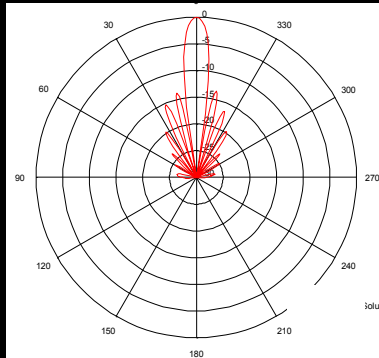
Horizontal Polarization

RF Patterns
Vertical Cut, Typ.

RF Patterns
Horizontal Cut, Typ.

RF Patterns
Vertical Cut, Typ.

RF Patterns
Horizontal Cut, Typ.



Shipping Information

Size	19 x 16 x 16in (48.6 x 40.6 x 40.6cm)
Weight	44 lbs (19.95kg)
Description	Bulk Pack, includes 5 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-ID5823B88
Description	Panel, 5.8 GHz, 24/23dBi, Dual Pol, R/A SMA Jack