



ARC-PD5823B88

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



- Packaged with ARC ABS™ Articulating Bracket Solution
- External Radio Mounting Features Included
- 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

Electrical Specifications

Frequency Range	4.94-5.875 GHz	Port to Port Isolation	40dB (minimum)
Gain	24dBi Vertical	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 dB
ETSI	ETSI 2, 3 and 5	Power Rating	30 watts
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	Impedance	50 ohms
		Lightning Protection	DC Ground

Physical/Environmental Specifications

Length x Width x Depth	15.2 x 15.2 x 2.0in (38.6 x 38.6 x 5.1cm)	Wind Load	1.6ft ² (0.148m ²)
Weight	4.1 lbs (1.86kg)	Operating Temperature	-49°F to 149°F (-45°C to 65°C)
Backplane	Aluminum	Pole Mount Diameter Range	0.75 to 3.0in (1.9 to 7.6cm)
Radome	UV stabilized ABS plastic, gray	Environmenta	IP 67
Wind Survivability	125mph (201kph)	Connector (2)	Type-N Jack

Antenna Patterns

Vertical Polarization

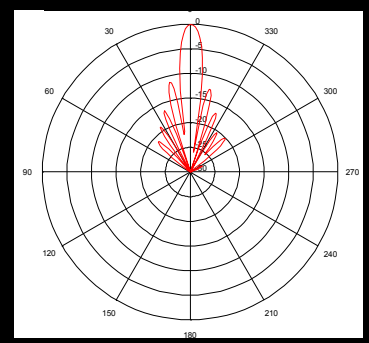
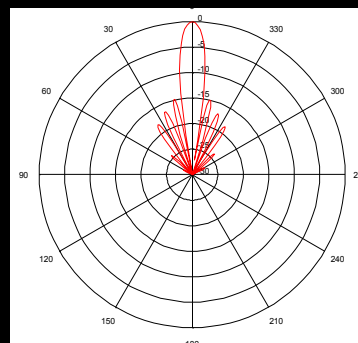
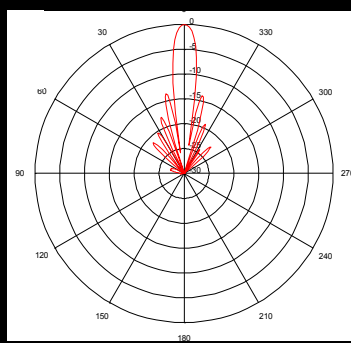
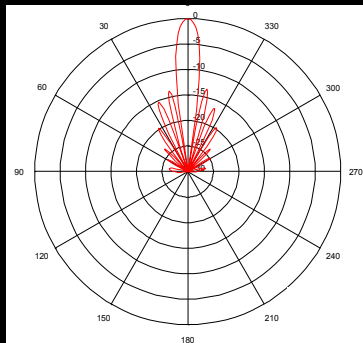
Horizontal Polarization

RF Patterns
Vertical Cut, Typ.

RF Patterns
Horizontal Cut, Typ.

RF Patterns
Vertical Cut, Typ.

RF Patterns
Horizontal Cut, Typ.



Shipping Information

Size	16 x 11.4 x 22in (40.6 x 28.9 x 55.9cm)
Weight	33 lbs (15kg)
Description	Bulk Pack, includes 5 in an over pack box with brackets

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

Ordering Information

Part Number	ARC-PD5823B88
Description	Standalone Panel, 5.8 GHz, 24/23dBi, Dual Pol, Type-N Jack, W/ Bracket