



# 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

<b>Frequency Range</b>	4.94-5.875 GHz	<b>Port to Port Isolation</b>	40dB (minimum)
<b>Gain</b>	24dBi Vertical	<b>Front-to-Back Ratio</b>	>40 dBi
<b>Polarization</b>	Dual Linear – Vertical and Horizontal	<b>Cross Polarization</b>	>30 dBi
<b>3dB Beamwidth Vertical/ Horizontal</b>	8 degrees/ 8 degrees	<b>Sidelobe Level</b>	>12 dB
<b>ETSI</b>	ETSI 2, 3 and 5	<b>Power Rating</b>	30 watts
<b>VSWR</b> 4.94-4.99GHz 5.15-5.875GHz	≤1.5:1 typ, ≤2.0:1 max ≤1.5:1 typ, ≤1.7:1 max	<b>Impedance</b>	50 ohms
		<b>Lightning Protection</b>	DC Ground

## Physical/Environmental Specifications

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

### Antenna Patterns

#### Vertical Polarization

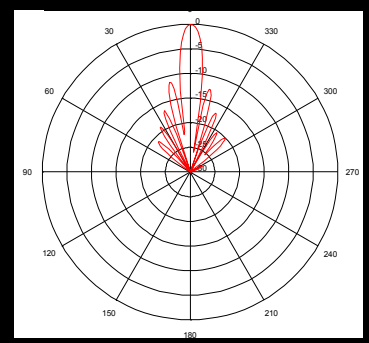
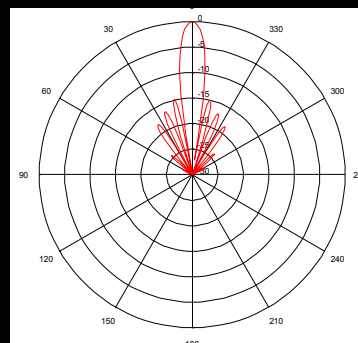
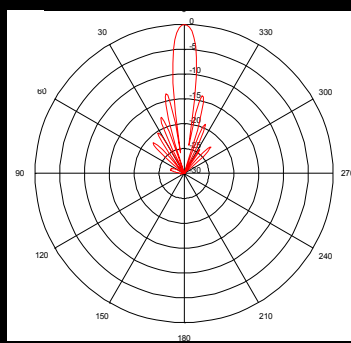
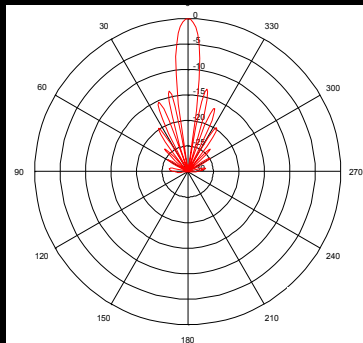
#### Horizontal Polarization

RF Patterns  
Vertical Cut, Typ.

RF Patterns  
Horizontal Cut, Typ.

RF Patterns  
Vertical Cut, Typ.

RF Patterns  
Horizontal Cut, Typ.



### Shipping Information

<b>Size</b>	16 x 11.4 x 22in (40.6 x 28.9 x 55.9cm)
<b>Weight</b>	33 lbs (15kg)
<b>Description</b>	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

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