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# Powertec 4G-5G Wideband MIMO Panel Antenna, 698 to 3800 MHz, 4.3-10 Female

SKU ANT-PT-00011 MPN 2XPA-6938-9.432 Barcode 9337692003714

#### **Description**

Powertec's 2XPA-6938-9 5G antenna is an industrial grade 2x2 MIMO two-port panel antenna covering all 4G and 5G bands within the 698 to 3800 MHz range. The antenna exhibits exceptional performance right across the frequency range, providing 7 to 9 dBi gain with very low VSWR, high inter-port isolation, and consistent polar patterns.

This highly sought after antenna facilitates EN-DC for aggregation of 4G LTE and 5G NR carriers, with the entire frequency range available at both ports. During design, close attention was paid to 3.5 GHz to ensure performance was maximised on the n78 (3500 MHz) 5G FR1 midband.

#### Read More

This industrial grade antenna is suitable for LTE / NR cell-edge and small cell deployments and has two 4.3-10 Female connectors at the base of the antenna.

- Wideband 698 to 960 and 1695 to 3800 MHz
- Dual slant polarised ±45° 2x2 MIMO
- Ideal for LTE / NR small cell / blackspot deployment
- ±10° stainless steel mechanical tilt bracket
- Operator grade mechanical construction

#### Read More





#### **Powertec**

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

## **RF Specification**

**Start Frequency** 

698 MHz

**Stop Frequency** 

3800 MHz

Max. Input Power

100 W

Polarisation

Dual Slant ±45°

Input Impedance

50 Ω

**RF** Connectors

#### **RF Interface Body Shape**

4.3-10 Female Straight

4.3-10 Female Straight

Frequency Test Data

Start	Stop	Peak	VCMD	A-imuth	Elevation	F/B	Inter-	Cross-
Freq.	Freq.	Gain	VOVA	Azımutn	Elevation	Ratio	Port Iso.	Polar Iso.
698	804	7.5 dBi	<	78° 5:1	72°	> 16	> 28 dB	> 15 dB
MHz	MHz		1.5:1			dB		
804	960	7.8 dBi	<	63°	68°	> 20	> 28 dB	> 15 dB
MHz	MHz		1.5:1			dB		
1695	1880	7.9 dBi	<	64°	68°	> 20	> 27 dB	> 15 dB
MHz	MHz		1.5:1			dB		
1880	2200	8.2 dBi	<	61°	63°	> 20	> 27 dB	> 15 dB
MHz	MHz		1.5:1			dB		
2300	2400	8.3 dBi	<	59°	63°	> 18	> 32 dB	> 15 dB
MHz	MHz		1.4:1			dB		
2400	2500	8.3 dBi	<	61°	62°	> 21	> 33 dB	> 15 dB
MHz	MHz		1.4:1			dB		
2500	2700	8.5 dBi	<	57°	60°	> 22	> 37 dB	> 15 dB
MHz	MHz		1.3:1			dB		
3300	3800	8.6 dBi	<	59°	65°	> 24	> 26 dB	> 15 dB
MHz	MHz		1.4:1			dB		

### **Physical Specification**

Subtype

Panel / Sector

**Input Ports** 

2

**MIMO** 

2x2 MIMO

Min. Operating Temperature

-40 °C

Max. Operating Temperature

65 °C

PIM, 3rd Order

-108 dBc

**Dimensions** 

331 x 133 x 300

Materials

Polyvinyl Chloride (PVC)

Mounting

Pole Clamp 30 to 63 mm ø

Weight

3.6 kg

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