

# Powertec 4G Low Band MIMO Panel Antenna, 4.3-10 Female

SKU: ANT-PT-00007

MPN: 2XPA-6996-15.432

Barcode: 9337692002496

## Description

2XPA-6996-15 is a heavy duty 2x2 MIMO antenna covering 4G LTE and 5G NR lower cellular bands from 698 to 960 MHz with high gain, high front-to-back ratio, and low VSWR.

With a 14 dBi peak gain across the entire band it serves as a exceptional long range 700 MHz 4G LTE MIMO XPOL antenna. The antenna is ready for Telstra's long range 5G 850 MHz network as well Optus and Vodafone 900 MHz services. This high performance antenna ensures the best possible connectivity regardless of network coverage type.

The antenna has two 4.3-10 female flange connectors, providing IP67 weatherproof feeder cable connectivity.

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As a field antenna this model is extraordinarily powerful. Installing the antenna anywhere with B28 700 MHz 4G coverage nearby produces a dramatic increase in signal strength. With a 45° main lobe (azimuth) the antenna requires minimal alignment. With dual-slant polarisation and its wide beam able to capture a high level of multipath achieving RI-2 is effortless.

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## Powertec



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# RF Specification

|                   |         |                  |                 |
|-------------------|---------|------------------|-----------------|
| Start Frequency:  | 698 MHz | Polarisation:    | Dual Slant ±45° |
| Stop Frequency:   | 960 MHz | Input Impedance: | 50              |
| Max. Input Power: | 250 W   |                  |                 |

## RF Connectors

| RF Interface  | Body Shape |
|---------------|------------|
| 4.3-10 Female | Straight   |
| 4.3-10 Female | Straight   |

## Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR    | Azimuth | Elevation | F/B Ratio | Inter-Port Iso. |
|-------------|------------|-----------|---------|---------|-----------|-----------|-----------------|
| 698 MHz     | 804 MHz    | 12.7 dBi  | < 1.6:1 | 40°     | 40°       | > 22 dB   | > 25 dB         |
| 804 MHz     | 896 MHz    | 13.6 dBi  | < 1.5:1 | 36°     | 35°       | > 23 dB   | > 25 dB         |
| 896 MHz     | 960 MHz    | 13 dBi    | < 1.4:1 | 35°     | 30°       | > 21 dB   | > 25 dB         |

# Physical Specification

|                             |                |             |                        |
|-----------------------------|----------------|-------------|------------------------|
| Subtype:                    | Panel / Sector | Dimensions: | 600 x 450 x 156        |
| Input Ports:                | 2              | Materials:  | Fibreglass (GRP)       |
| MIMO:                       | 2x2 MIMO       | Mounting:   | Pole Clamp 25 to 52 mm |
| Min. Operating Temperature: | -40 °C         | Weight:     | 12 kg                  |
| Max. Operating Temperature: | 60 °C          |             |                        |
| PIM, 3rd Order:             | -140 dBc       |             |                        |

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