

Powertec 4G Low Band H-Pol Panel Antenna, 698 to 960 MHz, 4.3-10 Female

SKU: ANT-PT-00015

MPN: HPA-6996-11.432

Barcode: 9337692001970

Description

Operating on all low band 4G and 5G frequencies, Powertec's H-Pol Panel antenna is designed for rebroadcast of cellular repeater signal. The antenna is shaped to transmit a wide beam of coverage when connected as a Service Antenna to a repeater system like the Nextivity Cel-Fi GO. HPA-6996-11 is an industrial grade single port SISO antenna that has been horizontally polarised for maximum isolation. It covers 700, 850, and 900 MHz 4G-5G frequencies.

- 10 to 11 dBi gain across 4G-5G Low Band 698 to 960 MHz
- Ruggedised construction for tough conditions
- UV-stable PVC construction
- Low PIM 4.3-10 Female connector

Panel antennas are ideal for covering outdoor areas with 4G-5G signal. This model's wide horizontal (azimuth) beam pattern provides a broad footprint, while providing a modest elevation beam allowing signal to be broadcast into mining / quarry pits or broadcast down from a hill to an area below.

The antenna remains compact and visually ...

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RF Specification

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 ...

Start Frequency:	698 MHz	Polarisation:	Horizontal (H)
Stop Frequency:	960 MHz	Input Impedance:	50
Max. Input Power:	100 W		

RF Connectors

Ports	RF Interface	Body Shape
1	4.3-10 Female	Straight

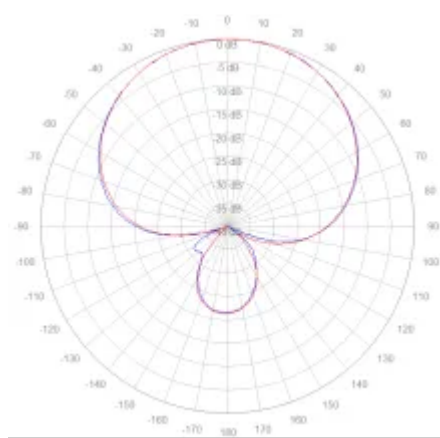
Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio
698 MHz	778 MHz	10.2 dBi	< 1.4:1	73°	45°	> 21 dB
778 MHz	890 MHz	10.9 dBi	< 1.4:1	69°	38°	> 23 dB
890 MHz	960 MHz	10.9 dBi	< 1.4:1	69°	32°	> 20 dB

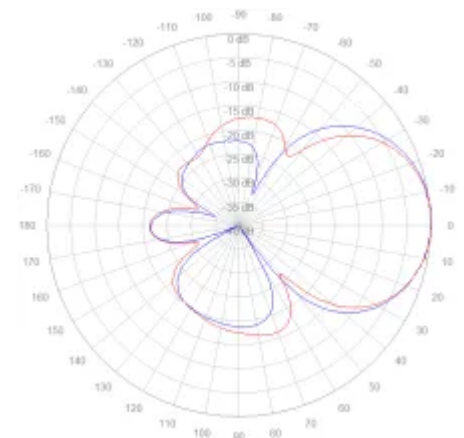
Polar Patterns

Start Frequency: 723 MHz
 Stop Frequency: 778 MHz

Azimuth Polar Plot

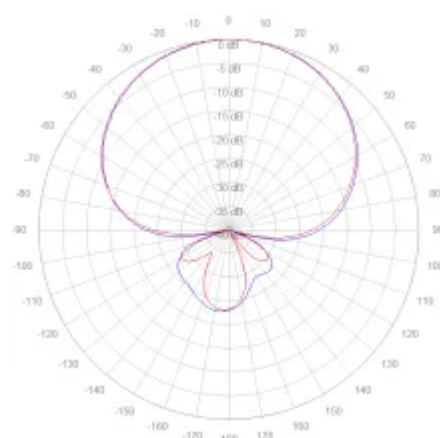


Elevation Polar Plot

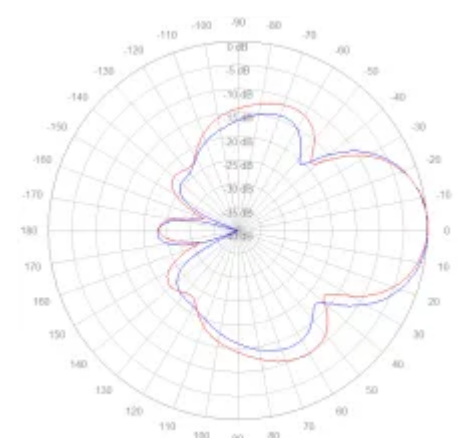


Start Frequency: 840 MHz
 Stop Frequency: 885 MHz

Azimuth Polar Plot

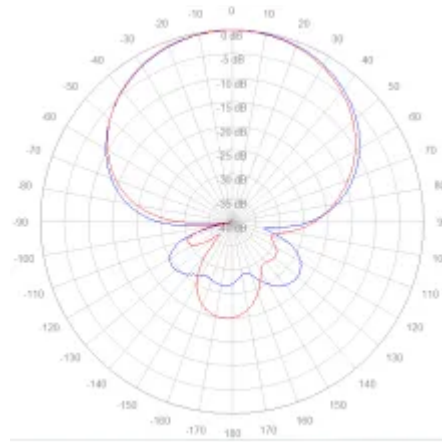


Elevation Polar Plot

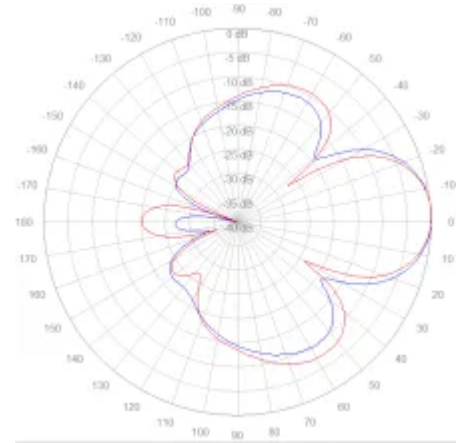


Start Frequency: 911 MHz
Stop Frequency: 956 MHz

Azimuth Polar Plot



Elevation Polar Plot



Physical Specification

Subtype:	Panel / Sector	Dimensions:	500 x 280 x 125
Input Ports:	1	Materials:	Polyvinyl Chloride (PVC)
MIMO:	1x1 SISO	Mounting:	Pole Clamp 30 to 52 mm
Min. Operating Temperature:	-40 °C	Weight:	3 kg
Max. Operating Temperature:	70 °C	Compliance/Certifications:	ISO 9001 Quality Management

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