

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 ...

[Read More](#)

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

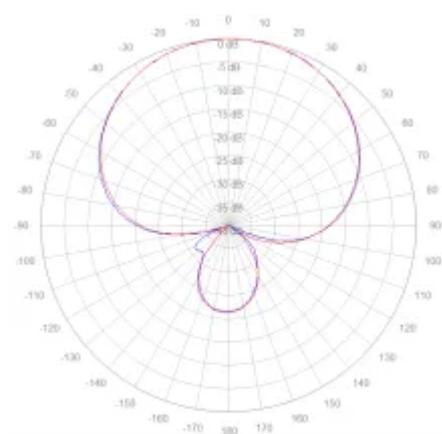
Frequency Test Data

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

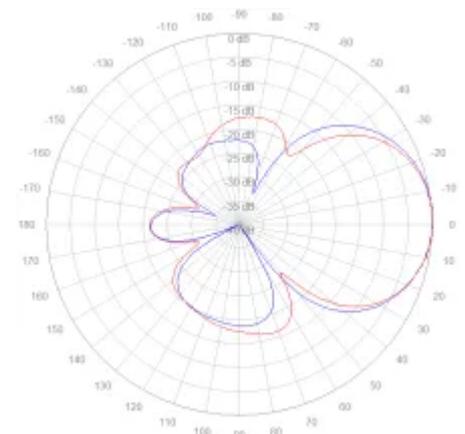
Polar Patterns

Start Frequency: 723 MHz
 Stop Frequency: 778 MHz

Azimuth Polar Plot

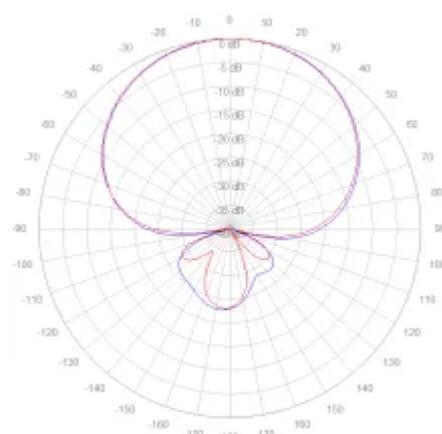


Elevation Polar Plot

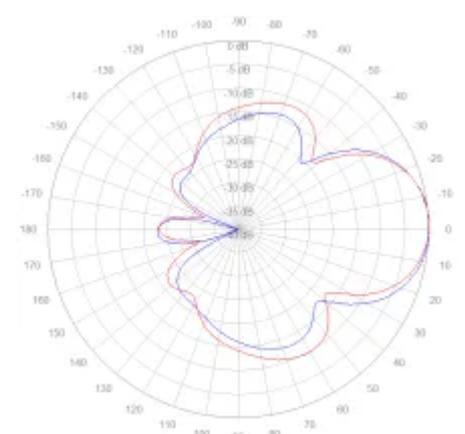


Start Frequency: 840 MHz
 Stop Frequency: 885 MHz

Azimuth Polar Plot

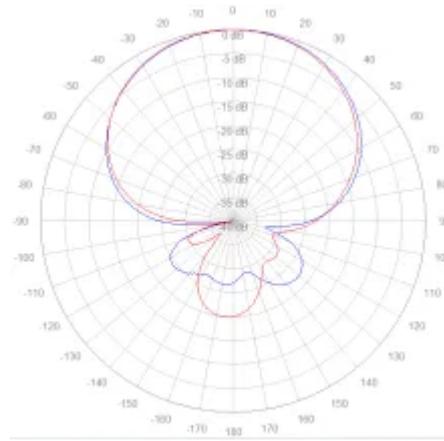


Elevation Polar Plot

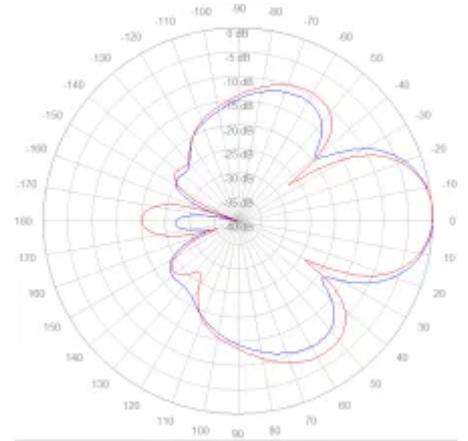


Start Frequency: 911 MHz
Stop Frequency: 956 MHz

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

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

