

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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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

960 MHz

Max. Input Power

100 W

Polarisation

[Horizontal \(H\)](#)

Input Impedance

50 Ω

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

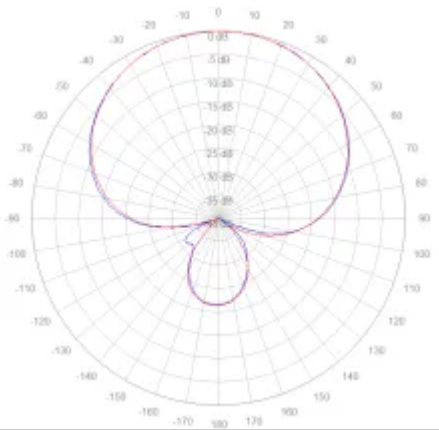
Start Frequency

723 MHz

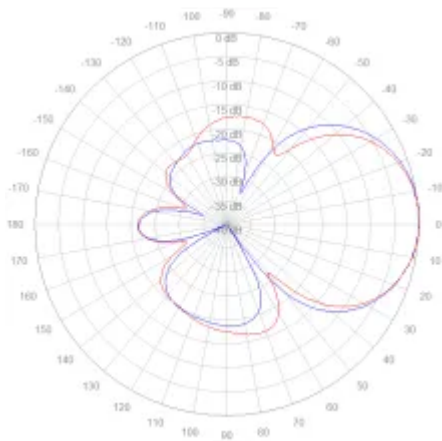
Stop Frequency

778 MHz

Azimuth Polar Plot



Elevation Polar Plot



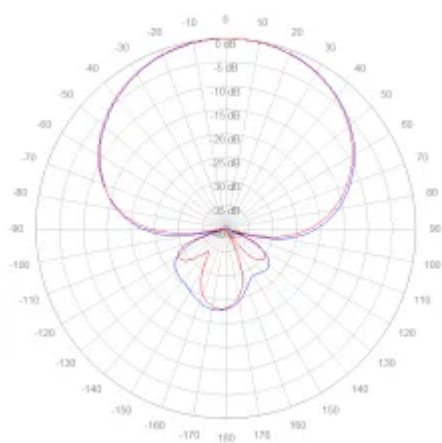
Start Frequency

840 MHz

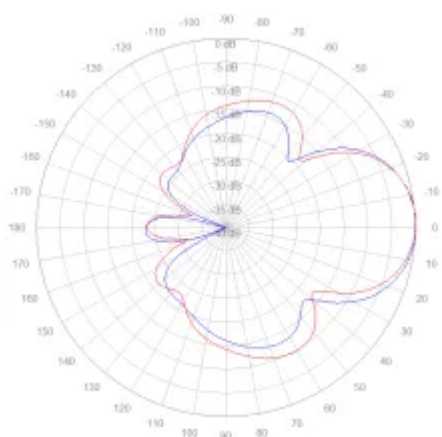
Stop Frequency

885 MHz

Azimuth Polar Plot



Elevation Polar Plot

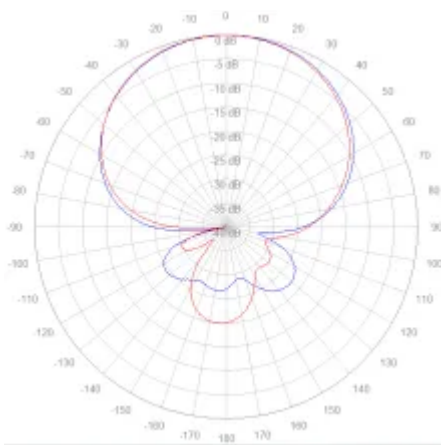


Start Frequency

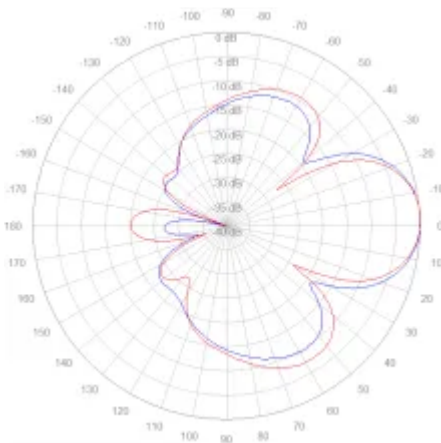
911 MHz

Stop Frequency
956 MHz

Azimuth Polar Plot



Elevation Polar Plot



Physical Specification

Subtype

[Panel / Sector](#)

Input Ports

1

MIMO

[1x1 SISO](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

70 °C

Dimensions

500 x 280 x 125

Materials

[Polyvinyl Chloride \(PVC\)](#)

Mounting

[Pole Clamp 30 to 52 mm ø](#)

Weight

3 kg

Compliance/Certifications

ISO 9001 Quality Management

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