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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

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

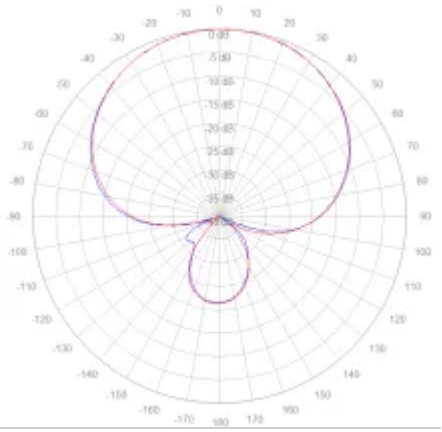
Ports	RF Interface	Body Shape
1	4.3-10 Female	Straight

Frequency Test Data

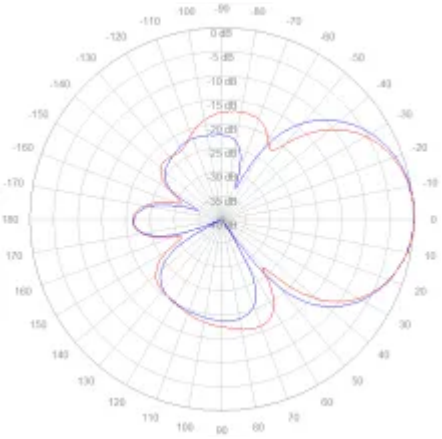
Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio
698 MHz	778 MHz	10.2 dBi	< 1.4:1	73°	45°	> 21 dB
778 MHz	890 MHz	10.9 dBi	< 1.4:1	69°	38°	> 23 dB
890 MHz	960 MHz	10.9 dBi	< 1.4:1	69°	32°	> 20 dB

Polar Patterns
Start Frequency
723 MHz
Stop Frequency
778 MHz

Azimuth Polar Plot



Elevation Polar Plot



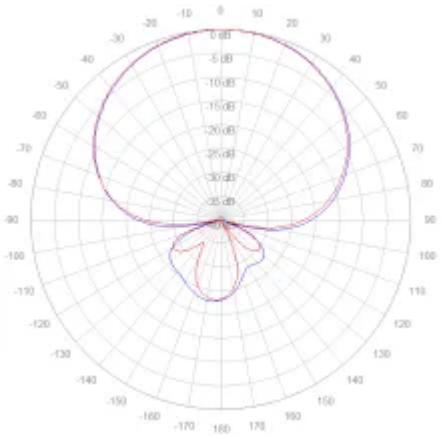
Start Frequency

840 MHz

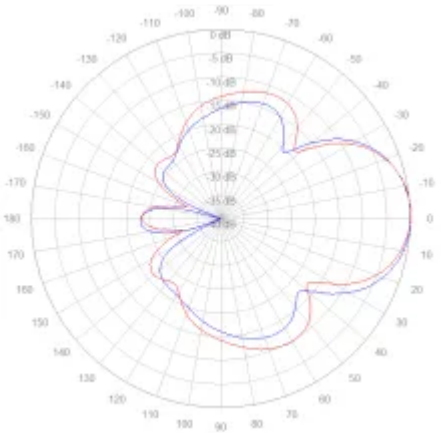
Stop Frequency

885 MHz

Azimuth Polar Plot



Elevation Polar Plot

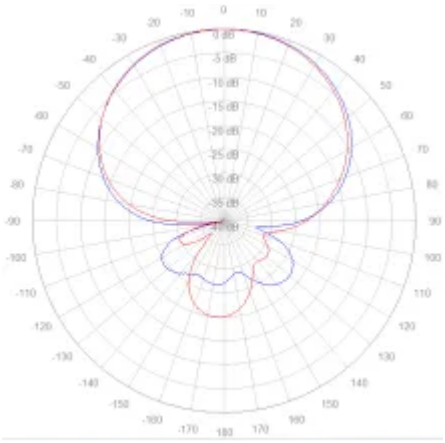


Start Frequency

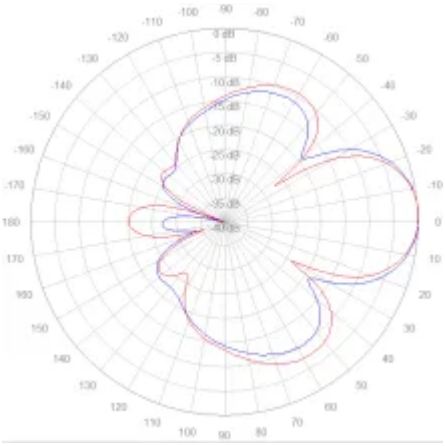
911 MHz

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 ⌀
Weight
3 kg
Compliance/Certifications
ISO 9001 Quality Management

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