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Blackhawk 4G Omni High Gain Antenna, 698 to 2700 MHz, N Female

SKU
ANT-BH-OM-204
MPN
VCOL-6927-6.N2
Barcode
9337692000447

Description

Blackhawk wideband omnidirectional antennas provide high gain across the full cellular band 700 to 2700 MHz regardless of mounting direction, allowing quick and easy installation with no technical know-how required. The antenna provides exceptional omnidirectional performance on almost all mobile networks globally.

The antenna provides a 6 dBi gain across the 4G-5G low and mid-bands, the ideal gain figure for areas with weak mobile signal.

The true wideband performance has been achieved through a clever engineering design utilising multi-sized collinear radiators and microwave-grade combiners, demonstrating consistently high gain with exceptional azimuthal stability.

The Blackhawk Wideband Omni Antenna provides an ideal solution for 4G-5G voice and data applications. With the implementation of new 4G and 5G frequencies across a broad range of radio spectrum, the use of a wideband antenna is necessary to see the full functionality of LTE-Advanced and 5G networks.

This antenna is ideal for use in rural and regional areas with marginal mobile network coverage.

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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
700 MHz
Stop Frequency
2700 MHz
Max. Input Power
100 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

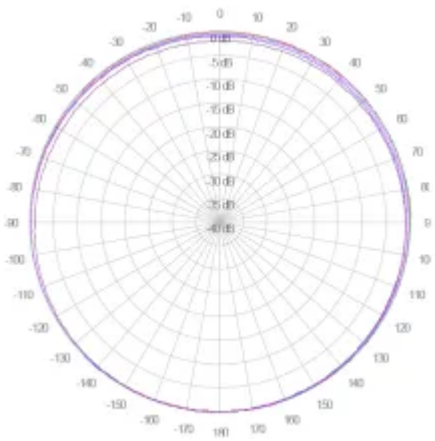
Ports	RF Interface	Body Shape
1	N Female	Straight

Frequency Test Data

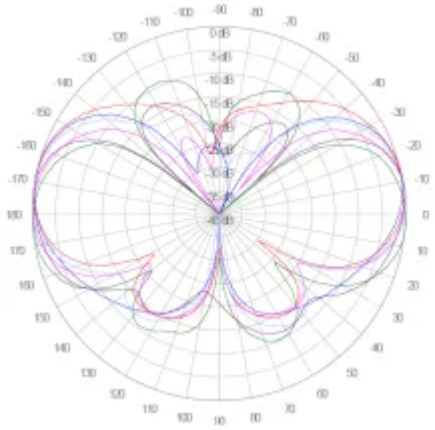
Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation
698 MHz	890 MHz	5 dBi	< 1.6:1	360°	38°
890 MHz	960 MHz	4.5 dBi	< 1.9:1	360°	40°
1695 MHz	2200 MHz	6 dBi	< 2:1	360°	20°
2200 MHz	2700 MHz	6.5 dBi	< 2.3:1	360°	15°

Polar Patterns
Start Frequency
698 MHz
Stop Frequency
960 MHz

Azimuth Polar Plot



Elevation Polar Plot



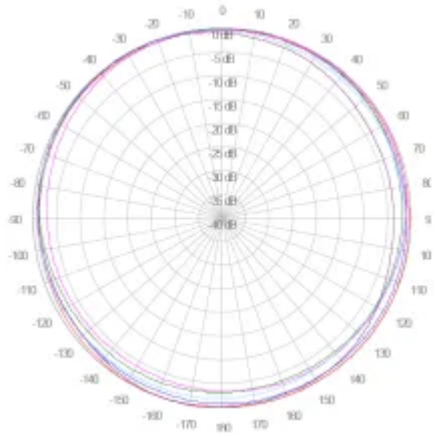
Start Frequency

1695 MHz

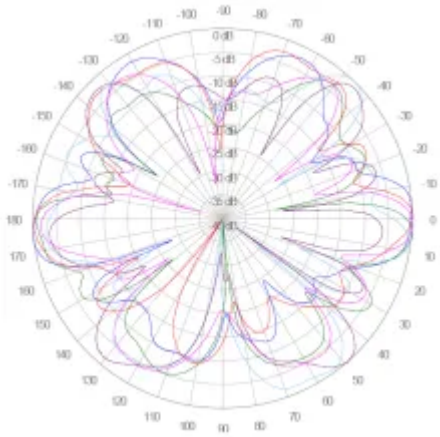
Stop Frequency

2700 MHz

Azimuth Polar Plot



Elevation Polar Plot



Physical Specification

Subtype
Collinear
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
65 °C
Dimensions
680 x 63 x 63
Materials
Polyvinyl Chloride (PVC)
Mounting
Pole Clamp 30 to 52 mm ⌀
Weight
1.9 kg
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS

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