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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.

Read More





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

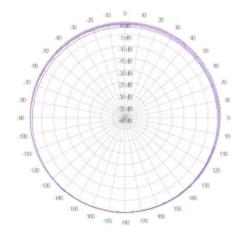
Start Frequency

698 MHz

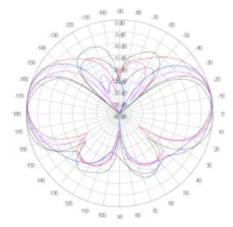
Stop Frequency

960 MHz

Azimuth Polar Plot

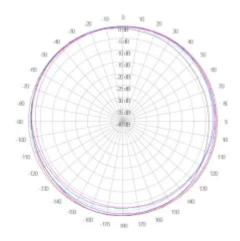


Elevation Polar Plot

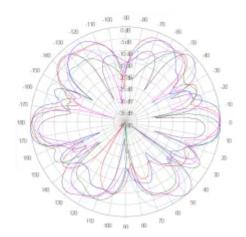


Start Frequency 1695 MHz Stop Frequency 2700 MHz

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 ø

Weight

1.9 kg

Compliance/Certifications

ISO 9001 Quality Management

RoHS

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