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Blackhawk 4G Trucker Edge Antenna, 698 to 2200 MHz, SMA Male

SKU
ANT-BH-OM-202TB-2
MPN
VVCL-6922-6.SA1B
Barcode
9337692000423

Description

The Blackhawk 4G Trucker Edge Antenna (SKU: ANT-BH-OM-202TB-2) provides good performance across a frequency range of 698 to 2200 MHz, making it an ideal solution for enhancing cellular 4G-5G mobile network coverage. This vehicle antenna is designed with rugged materials, including fibreglass (GRP), stainless steel, and aluminium, ensuring durability in diverse environments from -40 °C to 65 °C.

Featuring a single SMA Male input port, this vertical polarised antenna supports a 50 Ω impedance and can handle up to 50 W of input power. It provides consistent RF performance with peak gains ranging from 5.3 to 5.8 dBi and low VSWR values across its operating bands, ensuring efficient signal transmission. The antenna's omnidirectional azimuth beamwidth of 360° ensures consistent coverage.

Measuring 950 x 60 mm and weighing 1.8 kg, the antenna is both compact and durable, facilitating easy installation on vehicles or fixed locations. The attached...

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Blackhawk Antennas

Blackhawk Antennas are a quality antenna supplier based in Australia. Primarily supplying equipment to improve cellular mobile network performance, Blackhawk equipment represents a best-in-class solution which carefully balances economics with RF performance. Blackhawk Antennas supply premium grade mobile bandwidth suitable (3G, 4G, 4GX, 5G), quality tested, ruggedised antennas ideal for all types ...

RF Specification

Start Frequency
698 MHz
Stop Frequency
2200 MHz
Max. Input Power
50 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	L-240	4500 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation
698 MHz	803 MHz	5.4 dBi	< 2.3:1	360°	48°
803 MHz	890 MHz	5.8 dBi	< 1.5:1	360°	44°
890 MHz	960 MHz	5.3 dBi	< 1.5:1	360°	49°

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation
1695 MHz	1880 MHz	5.6 dBi	< 1.7:1	360°	60°
1880 MHz	2200 MHz	5.5 dBi	< 1.7:1	360°	65°

Physical Specification

Subtype
Collinear
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
65 °C
Dimensions
950 x 60
Materials
Aluminium, Fibreglass (GRP), Stainless Steel (304)
Weight
1.8 kg
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS

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