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Blackhawk 4G Trucker Edge Compact LITE Antenna, 700 to 2200 MHz, SMA Male

SKU
ANT-BH-00030
MPN
VVCL-7021-5.SA1B

Description

The Blackhawk 4G Trucker Edge Compact LITE Antenna (SKU: ANT-BH-00030, Part No: VVCL-7021-5.SA1B) is a vehicle-mounted collinear antenna designed to enhance cellular network coverage across various environments. Operating within a frequency range of 700 to 2200 MHz, this antenna supports 3G, 4G, 4GX, and 5G networks, making it an ideal solution for improving mobile coverage when on the move.

Constructed from durable materials including Fibreglass (GRP), Stainless Steel (304), and Aluminium, the antenna is built to withstand harsh conditions, with an operational temperature range from -40 °C to 65 °C. Its compact design, measuring 600 x 40 mm and weighing 1.2 kg, allows for easy installation in diverse settings. The antenna features a single SMA Male RF connection through a 4500 mm PTL-240 Ultra-Flexible cable, ensuring reliable signal transmission under high vibration conditions.

The Blackhawk antenna delivers robust RF performance with...

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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

Cable 1: 4G

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	3.2 dBi	< 1.8:1 360°	50°
803 MHz	890 MHz	3.3 dBi	< 1.8:1 360°	45°
890 MHz	960 MHz	3.7 dBi	< 1.8:1 360°	32°
1695 MHz	1880 MHz	4.8 dBi	< 2.6:1 360°	25°
1880 MHz	2200 MHz	0.4 dBi	< 2.6:1 360°	25°

Physical Specification

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

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