

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 | Polarisation: | Vertical (V) |
| Stop Frequency: | 2200 MHz | Input Impedance: | 50 |
| Max. Input Power: | 50 W | | |

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

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