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Skywave 4G-5G Vehicle Bullbar Antenna, 698 to 2200 MHz, SMA Male

SKU: ANT-SK-00001

MPN: VVCL-6922-5

Description

The Skywave 5G Bullbar Antenna has been engineered for the highest possible performance on regional and rural 4G-5G networks. It sports a massive heavy-duty stainless-steel bell-spring for rough corrugations and thick fibreglass whip. Its tapered 27-32 mm fibreglass tube supports a wide PCB radiator which delivers maximum connectivity range with a total height of only 830 mm. We've gone wider not taller.

For serious endurance we've built the removable whip using an IP67 rated 4.3-10 interface, that isolates mechanical stresses from the RF connection, meaning even the harshest outback tracks won't stress the conductor.

Tuned for maximum performance on 4G Band 28 (700 MHz), 5G Band 26 (850 MHz), and 5G Band 8 (900 MHz) the antenna is able to achieve the best possible performance in areas where connectivity really counts. The antenna also supports mid-band frequencies with good performance to 2200 MHz, and unity performance out to 3800 MHz ...

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RF Specification

Start Frequency:	698 MHz	Polarisation:	Vertical (V)
Stop Frequency:	2200 MHz	Input Impedance:	50 Ω
Max. Input Power:	10 W		

RF Connectors

Powertec
Powertec 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 ...

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-58	5000 mm

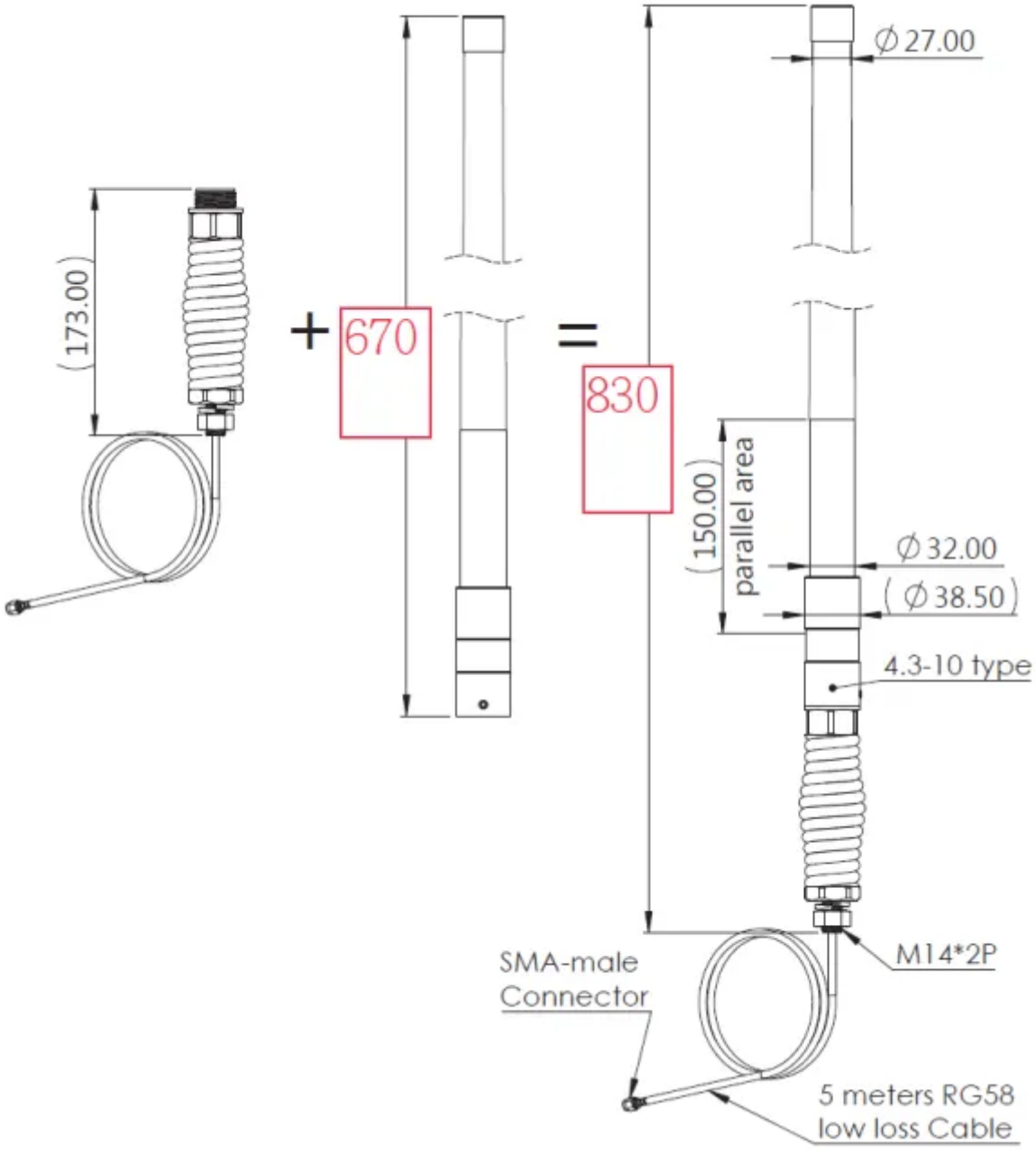
Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	Efficiency
723 MHz	723 MHz	5.2 dBi	< 1.2:1	360°	41°	61%
778 MHz	778 MHz	5.2 dBi	< 1.2:1	360°	36°	55%
840 MHz	840 MHz	5.2 dBi	< 1.6:1	360°	35°	56%
885 MHz	885 MHz	5.25 dBi	< 1.8:1	360°	37°	53%
911 MHz	911 MHz	5.6 dBi	< 1.9:1	360°	37°	47%
956 MHz	956 MHz	5.4 dBi	< 1.2:1	360°	25°	42%
1710 MHz	1710 MHz	2 dBi	< 2:1	360°		16%
1880 MHz	1880 MHz	2.4 dBi	< 2.4:1	360°		16%
2170 MHz	2170 MHz	5.5 dBi	< 2.4:1	360°		18%

Physical Specification

Subtype:	Collinear	Materials:	Fibreglass (GRP)
Input Ports:	1	Weight:	1.5 kg
MIMO:	1x1 SISO	Compliance/Certifications:	ISO 9001 Quality Management
Min. Operating Temperature:	-40 °C	Mechanical Compliance:	MIL-STD-810: Environmental Durability
Max. Operating Temperature:	85 °C		

Drawing


(173.00)
+
670
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830
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parallel area
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4.3-10 type
M14*2P
SMA-male
Connector
5 meters RG58
low loss Cable

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