Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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 ...

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

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

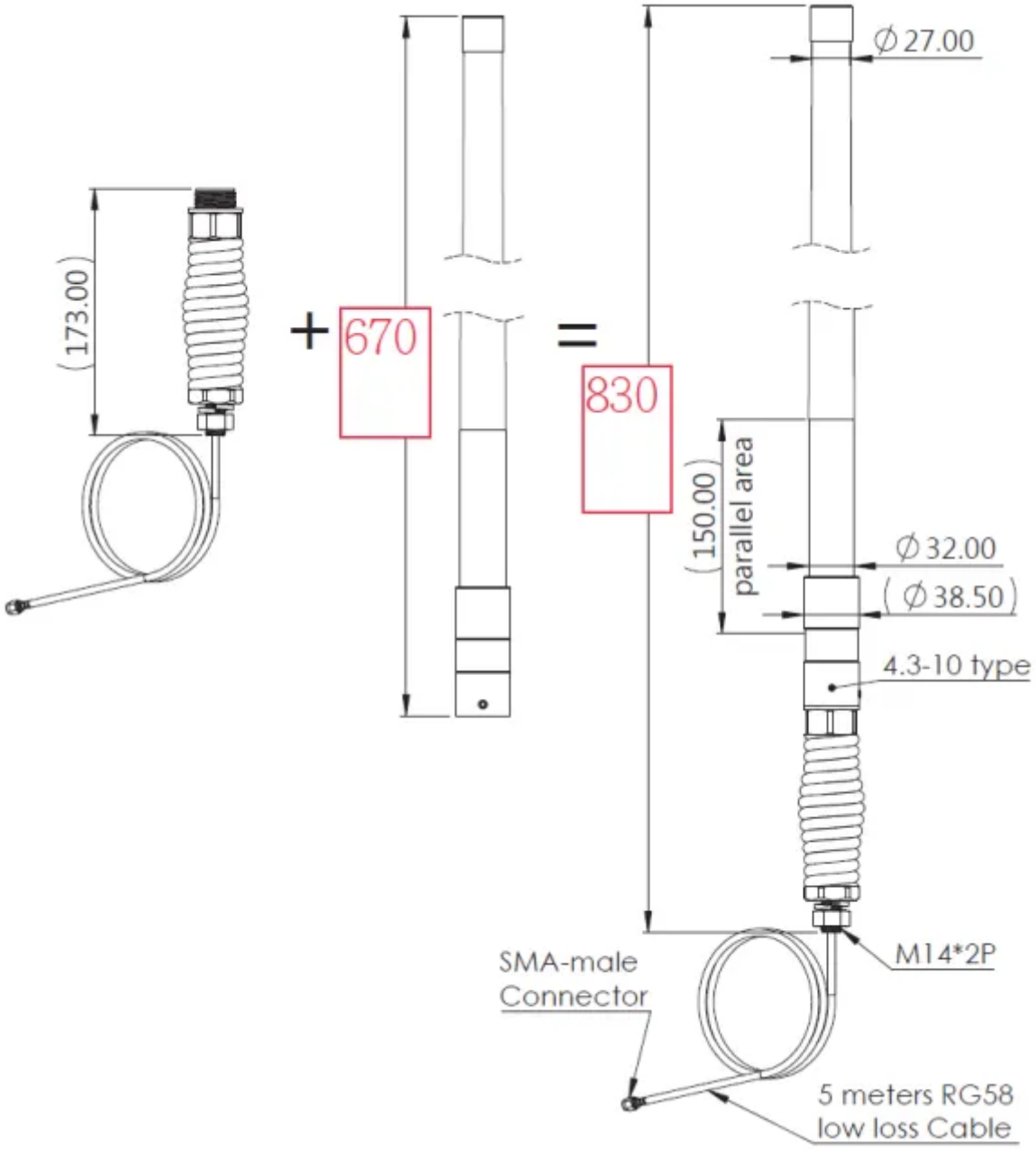
Frequency Test Data

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%

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	Efficiency
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
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Materials
Fibreglass (GRP)
Weight
1.5 kg
Compliance/Certifications
ISO 9001 Quality Management
Mechanical Compliance
MIL-STD-810: Environmental Durability
Drawing



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.