



## **Bloodhound**

**High Capacity Emergency  
Mobile Hot Spot**  
Up to 13 in 1



- 8X8 MIMO CELL
- 4x4 MIMO WI-FI
- GPS/GNSS
- 5G Ready

## *Ideal for*

- Emergency Communications
- Wireless Internet Access (Primary & Failover)
- Operation of Dual Sims
- High Speed/High Quality Video Transmission

## *Features*

- PORTABLE CASE
- 5G
- WI-FI 6
- 600 MHz - 6 GHz\*
- HIGH EFFICIENCY
- HIGH PERFORMANCE



## Product Description

The Bloodhound Emergency Hot Spot is a large case with built-in antennas that are optimized for the extra thick (3.5mm) plastic used in industry strength cases. Both sets of cellular and Wi-Fi antennas were designed for maximum performance even in remote areas where the cellular infrastructure may have been compromised. Parsec has taken the unique approach to design all antennas to fit safely into the lid of the case reducing damage and loss of performance due to hard use.

The Bloodhound is configurable up to a 13 in 1 with up to 2 sets of 4X4 MIMO cellular, 4X4 MIMO Wi-Fi and GPS/GNSS capable of running dual SIM's simultaneously. This 5G ready, 600 MHz - 6 GHz antenna is both portable and IP67 rated.

The Bloodhound is configurable as a standard antenna only format or a loaded and ready for deployment version that includes a router base plate, cover, fans and exhaust ports for extended temperature operation, and cable management pre-installed. Router, SIM card and optional battery must be purchased separately.

**Patented.**



## Operation Time

ChargeTech 27K Battery: 15 - 18hrs

ChargeTech 54K Battery: 20 - 24hrs

## Frequency Ranges

### Cellular Frequency Range

617 - 894 MHz  
1710 - 2700 MHz  
3300 - 4000 MHz  
5150 - 5925 MHz

### Wi-Fi Frequency Range

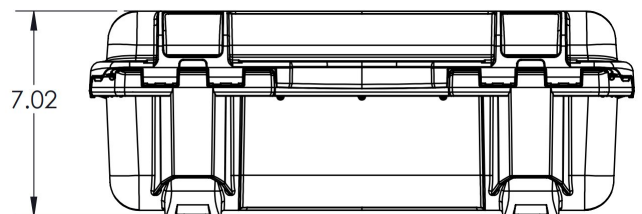
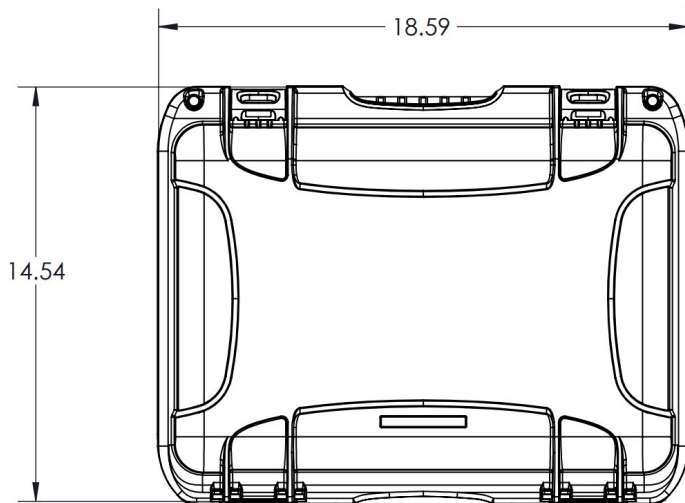
2400 - 2483.5 MHz  
4900 - 5900 MHz

# Specifications

## 5G/4G/Cellular Bands

<b>North America</b>	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29, B30, B41, B46, B48, B66, B71 n2, n5, n12, n25, n26, n41, n48, n66, n71, n77
<b>EMEA</b>	B1, B3, B7, B20, B28, B42, B43, B46 n1, n3, n28, n77, n78
<b>Mechanical</b>	
<b>External Dimensions</b>	18.59 in x 14.54 in x 7.02 in
<b>Internal Dimensions (LxWxH)</b>	17 in x 11.8 in x 6.4 in
<b>Lock Hole Dimension</b>	0.3 in
<b>RF Cable Length</b>	18 in cable
<b>Environmental</b>	
<b>Operating Temperature</b>	-40°C to 85°C or -40°F to 185°F
<b>Ingress Protection</b>	IP67 waterproof when closed <sup>2</sup>
<b>Notes:</b> <ol style="list-style-type: none"> <li>1. Temperature range is for antenna only. Equipment installed inside the enclosure may have a different temperature range.</li> <li>2. Openings in the enclosure for options like fans and power cord may reduce ingress protection even with covers installed.</li> </ol>	

## Product Dimensions



## Product Images

PRO13BH8L4WG-G



Fan with Cap\*



Vent with Cap\*

USB adapter

Barrel Connector for  
Battery Charging



4 x RJ-45

\*Always open the fan cap and vent cap during operation

## Electrical Specifications

ID	Port	Parameters	Units	Typ.
Radiated Efficiency	CELL-1 thru 8	617 - 698 MHz		70
	CELL-1 thru 8	698 - 984 MHz		80
	CELL-1 thru 8	1710 - 2200 MHz		85
	CELL-1 thru 8	2200 - 2700 MHz		70
	CELL-1 thru 8	3300 - 4000 MHz	%	50
	CELL-1 thru 8	5150 - 5925 MHz		50
	GPS	1575.42 MHz		80
	Wi-Fi-1 thru 4	2400 - 2483.5 MHz		85
	Wi-Fi-1 thru 4	4900 - 5900 MHz		70
Peak Gain	CELL-1 thru 8	617 - 698 MHz		2
	CELL-1 thru 8	698 - 984 MHz		4
	CELL-1 thru 8	1710 - 2200 MHz		7
	CELL-1 thru 8	2200 - 2700 MHz		7.5
	CELL-1 thru 8	3300 - 4000 MHz	dBi	7.5
	CELL-1 thru 8	5150 - 5925 MHz		8.5
	GPS	1575.42 MHz		6
	Wi-Fi-1 thru 4	2400 - 2483.5 MHz		7
	Wi-Fi-1 thru 4	4900 - 5900 MHz		8.5
Return Loss (50 $\Omega$ )	CELL-1 thru 8	617 - 698 MHz		8
	CELL-1 thru 8	698 - 984 MHz		9
	CELL-1 thru 8	1710 - 2200 MHz		12
	CELL-1 thru 8	2200 - 2700 MHz		7
	CELL-1 thru 8	3300 - 4000 MHz	dB	5
	CELL-1 thru 8	5150 - 5925 MHz		7
	GPS	1575.42 MHz		12
	Wi-Fi-1 thru 4	2400 - 2483.5 MHz		13
	Wi-Fi-1 thru 4	4900 - 5900 MHz		9
Isolation	CELL-1 thru 4	617 - 894 MHz		22
	CELL-1 thru 4	1710 - 2200 MHz		20
	CELL-1 thru 4	2200 - 2700 MHz		20
	CELL-1 thru 4	3300 - 4000 MHz		24
	CELL-1 thru 4	5150 - 5925 MHz		30
	CELL-5 thru 8	617 - 894 MHz	dB	12
	CELL-5 thru 8	1710 - 2200 MHz		16
	CELL-5 thru 8	2200 - 2700 MHz		17
	CELL-5 thru 8	3300 - 4000 MHz		18
	CELL-5 thru 8	5150 - 5925 MHz		30
	Adjacent CELL	617 - 894 MHz		8
	Wi-Fi	2400 - 2483.5 MHz		20
	Wi-Fi	4900 - 5900 MHz		25
Polarization	CELL, Wi-Fi GPS		dBi	Linear RHCP
Max Input Power	CELL, Wi-Fi		Watts	5
GNSS Preamp Gain	GPS		dB	28
GNSS Preamp Voltage	GPS		V	2.2 to 5.0

## Electrical Specifications

(continued)

ID	Port	Parameters	Units	Typ.
RF Connectors	CELL, GPS			SMA(M)
	Wi-Fi			RP-SMA(M)
RF Cable Type	CELL, Wi-Fi			RG-316
	GPS			LMR100
<b>Notes:</b> <ol style="list-style-type: none"> <li>1. CELL- 1 thru 4 are grouped together for one modem with CELL-5 thru 8 connected to the other modem.</li> <li>2. Efficiency, gain, return loss and isolation does not include cable loss.</li> </ol>				

*Battery, Router, and SIM card are not included. Customers should contact Parsec's authorized distributors and VAR's listed on our website for a full list of routers and other options that will complete the Emergency Hot Spot.*

*\*SMA connectors have a max torque of 3-5 in-lbs.*

## Ordering

**Our Bloodhound antenna consists of a protective case with the antenna built into the lid.**

Configurations	Part Number	Description
8:1	PRO8BH4L2WBG-L	4 CELL, 2 Wi-Fi, Bluetooth, GPS, black case with antenna built into lid with AC adapter (see Antenna Options for description)
	PRO8BH4L2WBG-G	4 CELL, 2 Wi-Fi, Bluetooth, GPS, black case with antenna built into lid with 54K Battery needed (see Antenna Options for description)
9:1	PRO9BH4L4WG-L	4 CELL, 4 Wi-Fi, GPS, black case with antenna built into lid with AC adapter (see Antenna Options for description)
	PRO9BH4L4WG-G	4 CELL, 4 Wi-Fi, GPS, black case with antenna built into lid with 54K Battery needed (see Antenna Options for description)
13:1	PRO13BH8L4WG	8 CELL, 4 Wi-Fi, GPS, black case with antenna built into lid
	PRO13BH8L4WG-L	8 CELL, 4 Wi-Fi, GPS, black case with antenna built into lid with AC adapter (see Antenna Options for description)
	PRO13BH8L4WG-G	8 CELL, 4 Wi-Fi, GPS, black case with antenna built into lid with 54K Battery needed (see Antenna Options for description)
	PRO13BH8L4WG-G1	8 CELL, 4 Wi-Fi, GPS, black case with antenna built into lid with 27K Battery needed (see Antenna Options for description)



## Part Number Key

Part number example of a 13:1 Bloodhound antenna: PRO13BH8L4WG

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of antennas in housing/configuration	13:1	PRO13
Antenna abbreviation for Bloodhound	BH	PRO13BH
Number of CELL Elements	#L	PRO13BH8L
Number of Wi-Fi Elements	#W	PRO13BH8L4W
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO13BH8L4WG
Optional G version - Includes the below options	-G	PRO13BH8L4WG-G
Optional G1 version - Includes the below options	-G1	PRO13BH8L4WG-G1
Optional L version - Includes the below options	-L	PRO13BH8L4WG-L

\*\*Custom case colors and connectors are available. Please contact Parsec for more information.

## Antenna Options

Description	PRO13BH8L4WG	-G Version	-G1 Version	-L Version
PRO13BH8L4WG	YES	YES	YES	YES
Fan and Vent	NO	YES	YES	YES
A/C Adapter	NO	NO	NO	YES
Barrel Connector	NO	YES	YES	YES
1x USB Adapter	NO	YES	YES	YES
4x RJ-45 Connectors	NO	YES	YES	YES
Router Mount Plate	NO	YES	YES	YES
Top Cover	NO	YES	YES	YES
27K Battery Tray	NO	NO	YES	NO
54K Battery Tray	NO	YES	NO	NO
Battery: ChargeTech 27K AC Battery Pack - Portable Power Supply or ChargeTech 54K Dual AC Battery Pack - Portable Power Supply (Not Included With Antenna. Must Be Purchased Separately)				

## Accessories

PRO13BH8L4WG-L	
Included	Ethernet Cord (4), Surge Protector (1)
To Be Purchased By Customer	<ul style="list-style-type: none"> <li>-Additional Ethernet Cord (4)</li> <li>-Router and Power Supply for Router</li> <li>-Extension Cord*</li> <li>-SIM Card</li> <li>-Additional USB Cord (2)</li> </ul>

## Accessories (continued)

PRO13BH8L4WG-G	
<b>Included</b>	Ethernet Cord (4), Surge Protector (1)
<b>To Be Purchased By Customer</b>	-Additional Ethernet Cord (4) -Router and Power Supply for Router -ChargeTech 54K Dual AC Battery Pack** -SIM Card -Additional USB Cord

PRO13BH8L4WG-G1	
<b>Included</b>	Ethernet Cord (4), Surge Protector (1)
<b>To Be Purchased By Customer</b>	-Additional Ethernet Cord (4) -Router and Power Supply for Router -ChargeTech 27K AC Battery Pack*** -SIM Card -Additional USB Cord (2)

\*Extension cord=



\*\* 54KBattery=



\*\*\* 27KBattery=



### Battery Options

#### ChargeTech Portable Power Premium 27K AC Battery Pack

**SKU: CT-600061    Model: PD27KPPO**

The ChargeTech 27000mAh capacity battery has a standard outlet and is compatible with any device that requires 85 watts or less through a standard wall plug. The ChargeTech can power a router and a fan for 15 to 18 hours. It comes with a power button which turns off the battery when held for 3 seconds. The battery is rechargeable using a DC charger rated 19.5 to 24V DC.

#### ChargeTech Portable Power Premium 54K Dual AC Battery Pack

**SKU: CT-600062    Model: PD54K**

The ChargeTech 54000mAh capacity battery has a standard outlet and is compatible with any device that requires 250 watts or less through a standard wall plug. The ChargeTech can power a router and a fan for 20 to 24 hours. It comes with a power button which turns off the battery when held for 3 seconds. The battery is rechargeable using a DC charger rated 19.5 to 24V DC.