

**BLACKBERRY RADAR – L**  
**ITB100 – 1**  
**May 2019**



**BlackBerry Radar®**

# **NA Safety Information**




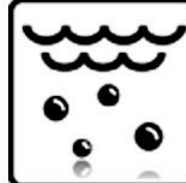
## Safety information



Before you start using the BlackBerry Radar-L™ device (herein after referred to as device), review the safety and regulatory information provided in this document. Keep this document in a safe place so that you can refer to it whenever you need it.

In some countries there may be restrictions on using wireless devices with encryption software. Check with your local authorities for the restrictions in your area.

To find the latest safety and product information, visit [docs.radar.blackberry.com/guides/user\\_guide\\_safety](https://docs.radar.blackberry.com/guides/user_guide_safety).

### Important safety precautions

	<p>Do not use the device near medical devices, including pacemakers and hearing aids, because they might malfunction and cause serious harm or death to you or others.</p>
	<p>Do not dispose of the device, or battery, in a fire because this might cause an explosion resulting in serious injury, death, or property loss.</p>
	<p>The device is designed to be operated in temperatures between -40 and 185°F (-40 and 85°C) and 0-100% humidity. Store device in temperatures between 14 and 86°F (-10 and 30°C) and 0-50% humidity. Do not expose the device to temperatures above 212°F (100°C).</p> <p>Use of the device outside of the recommended temperature range could cause damage to the device or lithium-metal battery.</p>
	<p>Do not submerge the device in water. The battery should never be exposed to water.</p>

	<p>Do not puncture, crush, or expose battery to severe physical shock. Do not attempt to disassemble battery pack. Do not short-circuit the battery or allow metallic or conductive objects to contact the battery terminals.</p>
	<p>The device is not intrinsically safe and should not be used in the presence of explosive fumes, explosive dust, or other explosive chemicals. Sparks in such areas could cause an explosion or fire resulting in serious injury, death, or damage to property.</p>

### **Battery safety**

The device contains a non-rechargeable, Lithium Metal battery. Do not attempt to recharge the battery.

The battery might present a fire, explosion, chemical burn, or other hazard if mistreated. Do not put the battery in contact with liquids. Do not heat the battery above 212°F (100°C). Heating the battery above 212°F (100°C) could cause the battery to catch fire or explode.

### **Antenna**



Use only the supplied integrated antenna. Unauthorized antenna modifications or attachments could damage the device and might violate U.S. Federal Communications Commission (FCC) or other regulations.

### **Repair**

Do not attempt to modify, disassemble, or service the device. Do not attempt to recharge the battery. Only qualified service personnel should perform repairs to the device.

Failure to observe all safety instructions contained in the user documentation for the device will void the Limited Warranty and might lead to suspension or denial of services to the offender, legal action, or both.

## Device and battery disposal

	<p>Do not dispose of the device, or battery, in household waste bins or in a fire.</p>
	<p>The Lithium Metal Batteries in BlackBerry Radar can pose risk of fire, explosion and severe burn hazard if mishandled or damaged. These batteries should never be placed in regular waste and must be recycled through appropriate e-waste or battery recycling channels. Ensure you dispose of your BlackBerry Radar device and its battery in accordance with the laws and regulations in your area. If you have an <b>existing waste management partner</b>, please consult with them regarding disposal, or visit <a href="http://BlackBerry.com/RadarSupport">BlackBerry.com/RadarSupport</a> for more information.</p> <p>Refer to the <a href="#">BlackBerry Radar Battery Information Sheet</a> for details on dimensions, weight, and Lithium content per battery. Safety Data Sheets can be provided upon request.</p>

Use only the supplied integrated antenna. Unauthorized antenna modifications or attachments could damage the device and might violate U.S. Federal Communications Commission (FCC) or other regulations.

## **Compliance information**

### **Exposure to radio frequency signals**

The device radio is a low-power radio transmitter and receiver. It is designed to comply with Federal Communications Commission (FCC) and Innovation, Science and Economic Development Canada (ISED) guidelines and limits, as well as other relevant international guidelines regarding safety levels of radio frequency exposure for wireless devices. These guidelines were developed by independent scientific experts, governments, and organizations including the Institute of Electrical and Electronics Engineers Standard (IEEE), National Council on Radiation Protection and Measurements (NCRP), and International Commission on Non-Ionizing Radiation Protection (ICNIRP).

*This device complies with FCC, ISED, EU, and other relevant international radio frequency exposure guidelines and limits, at minimum separation distance of 7.9 inches or (20 cm).*

### **FCC compliance statement (United States)**

This device complies with Part 15 of the Federal Communications Commission (FCC) Rules under FCC ID: L6AITB100-1. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### **CAUTION:**

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instructions, may cause interference harmful to radio communications.

### **Innovation, Science and Economic Development Canada certification**

This device complies with Innovation, Science and Economic Development Canada (ISED) license-exempt RSS standard(s). Operation is subject to the following conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This device complies with Industry Canada RSS 130, RSS 132, RSS 133, RSS 139, RSS 199, and RSS-GEN under Certification Number 2503A-ITB1001.

### **Class B compliance**

This device complies with the Class B limits for radio noise emissions as set out in the interference-causing equipment standard entitled "Information Technology Equipment (ITE)--

Limits and methods of measurement,” ICES-003 of Innovation, Science and Economic Development Canada.

### **Additional regulatory conformance**

Specific details about compliance to the standards and regulatory bodies for the device may be obtained from BlackBerry.

## **Product information: BlackBerry Radar™ ITB100-1**

### **Mechanical properties:**

Weight: approximately 25 oz (700 g) including lithium-metal battery

Size: (L x W x H): 6.8 x 4.6 x 2 in. (173 x 117 x 52 mm)

### **Power specifications:**

Non-rechargeable lithium-metal battery

10.8V, 13Ah nominal

### **Mobile network radio specifications:**

LTE band support: None

HSPA+ band support: UMTS B1, UMTS B2, UMTS B5, UMTS B19, UMTS B8

GSM Band: GSM850, GSM900, GSM1800, GSM1900

GSM Power Class: Class 1 (DCS1800, PCS1900), Class 4 (GSM850, GSM900)

UMTS Power Class: Class 3 (UMTS B1, UMTS B2, UMTS B5, UMTS B19, UMTS B8)

Transmitter frequency: 1920MHz to 1980 MHz, 1850MHz to 1910MHz, 824MHz to 849MHz, 830MHz to 845MHz, 880MHz to 915MHz

Receiver frequency: 2110MHz to 2170MHz, 1930MHz to 1990MHz, 869MHz to 894MHz, 875MHz to 890MHz, 925MHz to 960MHz

### **Power class information:**

Output power is compliant with 3GPP TS 34.121-1 and 3GPP TS 51.010-1.

WCDMA/HSDPA/HSUPA power class

- Power Class 3 (24 dBm) for WCDMA/HSDPA/HSUPA mode

GSM/GPRS power class

- Power Class 4 (33 dBm) for GSM/E-GSM bands
- Power Class 1 (30 dBm) for DCS/PCS bands

EDGE power class

- Power Class E2 (27 dBm) for GSM/E-GSM bands
- Power Class E2 (26 dBm) for DCS/PCS bands

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