

For information about returning your smartphone and accessories to BlackBerry for recycling and safe disposal, from a browser on your computer, visit www.blackberry.com/recycling. The recycling programs are only available in certain areas.

If these programs are not offered in your area, check with your local government for regulations regarding the proper disposal of electronic products. Dispose of your smartphone and its battery in accordance with the laws and regulations in your area governing disposal of such cell types.

Compliance information

Exposure to radio frequency signals

The smartphone radio is a low-power radio transmitter and receiver. It is designed to comply with Federal Communications Commission (FCC) and The Council of the European Union 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).

To maintain compliance with FCC, EU, and other relevant international radio frequency exposure guidelines and limits, keep the smartphone at least 0.59 in. (1.5 cm) away from your body. When you carry the smartphone on your body, use only accessories equipped with an integrated belt clip that are supplied or approved by BlackBerry. If you use a body-worn accessory not supplied by BlackBerry, verify that the accessory does not contain metal and keep the smartphone at least 0.59 in. (1.5 cm) from your body.

To reduce radio frequency exposure: (i) use the smartphone in areas where there is a strong wireless signal; (ii) use hands-free options; and (iii) reduce the amount of time spent on calls, or send an email, text message, or BBM message instead.

Specific absorption rate data

THIS WIRELESS DEVICE MODEL MEETS GOVERNMENT REQUIREMENTS FOR EXPOSURE TO RADIO WAVES WHEN USED AS DIRECTED IN THIS SECTION.

The smartphone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government, and recommended by The Council of the European Union when used as directed in the previous section. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg*. The SAR limit recommended by The Council of the European Union is 2.0W/kg**. Tests for SAR are conducted using standard operating positions specified by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for this smartphone when tested for use at the ear is:

Smartphone	SAR (W/kg) for 1 g (FCC)	SAR (W/kg) for 1 g (India)	SAR (W/kg) for 10 g (R&TTE)
DTEK 50 STH100-2 smartphone (model number RJD211LW)	0.73	0.368	0.377

The highest SAR value for this smartphone when tested in a BlackBerry approved holster with an integrated belt clip or at a distance of 0.59 inch (1.5 cm) from the body, is:

Smartphone	SAR (W/kg) for 1 g (FCC)
DTEK 50 STH100-2 smartphone (model number RJD211LW)	0.63

The highest SAR value for this smartphone when tested at a distance of 0.20 inch (5 mm) from the body is:

Smartphone	SAR (W/kg) for 10 g (R&TTE)
DTEK 50 STH100-2 smartphone (model number RJD211LW)	1.490

When operating in Mobile Hotspot mode, the highest SAR value for this smartphone is:

Smartphone	SAR (W/kg) for 1 g (FCC)
DTEK 50 STH100-2 smartphone (model number RJD211LW)	1.15

Body-worn measurements (recommended separation distances) differ among wireless devices, including smartphones, depending upon supplied or available accessories and applicable FCC and The Council of the European Union requirements.

The FCC has granted an Equipment Authorization for this smartphone based on reported SAR levels complying with the FCC radio frequency emission guidelines when the smartphone is used as directed in this section. SAR information for this smartphone is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea after searching for the FCC ID for your smartphone listed below.

Smartphone	FCC ID
DTEK 50 STH100-2 smartphone (model number RJD211LW)	L6ARLD210LW

Additional information on SAR can be found at www.ctia.org (CTIA - The Wireless Association), or www.tele.soumu.go.jp/te/index.htm (Telecommunications Bureau of the Ministry of Internal Affairs and Communications).

* In the United States and Canada, the SAR limit for mobile devices used by the public is 1.6W/kg averaged over 1 g of tissue for the body or head (4.0W/kg averaged over 10 g of tissue for the extremities - hands, wrists, ankles, and feet).

** In Europe, the SAR limit for mobile devices used by the public is 2.0W/kg averaged over 10 g of tissue for the body or head (4.0W/kg averaged over 10 g of tissue for the extremities - hands, wrists, ankles, and feet). Studies suggest that the standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

FCC compliance statement (United States)

FCC Class B Part 15

This smartphone complies with Part 15 of the Federal Communications Commission (FCC) Rules. Operation is subject to the following two conditions: (1) this smartphone may not cause harmful interference, and (2) this smartphone 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. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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.

There is no guarantee, however, that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning on and turning off the equipment, the user is encouraged to try to correct the interference by one or more of the following measures: reorient or relocate the receiving antenna, increase the separation between the equipment and receiver, connect the equipment to an outlet on a circuit different from that to which the receiver is connected, or consult the dealer or an experienced radio or TV technician for help.

US Information Concerning the Federal Communications Commission ("FCC") Requirements for Hearing Aid Compatibility with Wireless Devices

When wireless devices are used near hearing devices (such as hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference, and wireless devices also vary in the amount of interference that they generate.

The wireless telephone industry has developed ratings to assist hearing device users in finding wireless devices that may be compatible with their hearing devices. Not all wireless devices have been rated. Wireless devices that are rated will have the rating displayed on the box together with other relevant approval markings.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device is vulnerable to interference, you may not be able to use a rated wireless device successfully.

Consulting with your hearing health professional and testing the wireless device with your hearing device is the best way to evaluate it for your personal needs.

How the ratings work

M-Ratings: Wireless devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than wireless devices that are not labeled. M4 is the better or higher of the two ratings.

T-Ratings: Wireless devices rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated wireless devices. T4 is the better or higher of the two ratings. (Note that not all hearing devices have telecoils in them.)

Hearing devices may also be measured for immunity to this type of interference. Your hearing device manufacturer or hearing health professional may help you find results for your hearing device. The more immune your hearing aid is, the less likely you are to experience interference noise from wireless devices.

For more information about the actions that the FCC has taken with regard to hearing aid compatibility with wireless devices and other steps that the FCC has taken to ensure that individuals with disabilities have access to telecommunications services, visit www.fcc.gov/cgb/dro.

EU regulatory conformance

BlackBerry hereby declares that this smartphone is in compliance with the essential requirements and other relevant provisions of Radio and Telecommunications Terminal Equipment (R&TTE) Directive 1999/5/EC.



DTEK 50 STH100-2 smartphone (model number RJD211LW):

The Declaration of Conformity made under Directive 1999/5/EC (HG nr.88/2003) is available for viewing at www.blackberry.com/go/declarationofconformity.

If you have a Wi-Fi enabled smartphone, your smartphone may be operated on Wi-Fi networks in all European Union member countries. This equipment may be operated in Turkey. The Official Journal of the European Union Commission Decision of 12 February 2007 states that in the frequency band 5.150 to 5.350 GHz, wireless access systems (WAS), including radio local area networks (RLANs), shall be restricted to indoor use.

Additional regulatory conformance

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

The laser sensor module used in this smartphone is in compliance with the following International Electrotechnical Commission (IEC) standard: IEC/EN 60825-1 2007-03 ED 2.0.

To view FCC ID, IC Certification Number, model, and compliance information for your smartphone, swipe down from the top of the screen once using two fingers, or twice using one finger. Tap **Settings** > **About phone** > **Regulatory approvals**.

Product information: DTEK 50 STH100-2 smartphone

Mechanical properties:

Weight: approximately 4.76 oz (135 g) including lithium-ion battery

Size (L x W x H): 5.8 x 2.9 x 0.29 in. (147 x 72.5 x 7.4 mm)

3-GB memory, 16-GB application storage, microSD card slot

The following module properties for the laser sensor might apply to your smartphone:

Class 1 laser product

Maximum average radiated power: 0.18 mW

Power specifications:

Nonremovable, rechargeable lithium-ion battery

Supports 3V, 1.8V nano SIM cards

Port compatibility for data synchronization and charging: micro USB 2.0

Mobile network radio specifications:

LTE band support: LTE 700, LTE 800, LTE 900, LTE 1800, LTE 1900, LTE 2100, LTE 2300, LTE 2500, LTE 2600-MHz bands

HSPA+ support: UMTS 800/UMTS 850, UMTS 900, PCS 1900, IMT 2100 MHz bands

GSM band support: GSM 850, GSM 900, DCS 1800, PCS 1900-MHz bands

Power class: Class 1 (DCS 1800, PCS 1900), Class 3 (UMTS, LTE), Class 4 (GSM 850) as defined in GSM 5.05, Class 4 (GSM 900) as defined in GSM 02.06, Class E2 (GSM 850, GSM 900, DCS 1800, PCS 1900)

Transmitting frequency: 703 to 733 MHz, 824 to 849 MHz, 830 to 840 MHz, 832 to 862 MHz, 880 to 915 MHz, 1710 to 1785 MHz, 1850 to 1910 MHz, 1920 to 1980 MHz, 2555 to 2655 MHz, 2500 to 2570 MHz, 2570 to 2620 MHz

Receiving frequency: 758 to 803 MHz, 791 to 821 MHz, 869 to 894 MHz, 875 to 885 MHz, 925 to 960 MHz, 1805 to 1880 MHz, 1930 to 1990 MHz, 2110 to 2170 MHz, 2300 to 2400 MHz, 2555 to 2655 MHz, 2570 to 2620 MHz, 2620 to 2690 MHz

Wi-Fi network radio specifications:

Wireless LAN standard: IEEE 802.11a, IEEE 802.11ac, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n

Transmitting and receiving frequency for IEEE 802.11a/IEEE 802.11b/IEEE 802.11g/IEEE 802.11n: 2.412 to 2.472 GHz

Transmitting and receiving frequency for IEEE 802.11a/IEEE 802.11ac/IEEE 802.11n: 5.180 to 5.825 GHz

Bluetooth radio specifications:

Single-band support: ISM 2.4 GHz

Transmitting and receiving frequency: 2402 to 2480 MHz

Bluetooth Class 1.5

If your smartphone supports NFC technology, the following specifications apply:

Operating frequency: 13.56 MHz

Supported modes: reader/writer, card emulation, peer-to-peer

Legal notice

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