

Vodafone 4G Mobile Hotspot

Model R228t

Product safety information

for sale to the public, compliance with national regulations and standards must be shown. The highest SAR value for this model phone when tested is 1.11 W/Kg for use close to the body. For body-worn operation, the phone meets FCC RF exposure guidelines provided that it is used with a non-metallic accessory with the handset at least 10 mm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. Additional information on SAR can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site: <http://www.ctia.org/>

• FCC Compliance (FOR PART 15B/PART 15C)
FCC ID: 2ACCJB182.

The World Health Organization (WHO) considers that present scientific information does not indicate the need for any special precautions for use of routers. If individuals are concerned, they might choose to limit their own or their children's RF exposure by limiting the length of calls, or using "hands-free" devices to keep routers away from the head and body. (fact sheet n°193). Additional WHO information about electromagnetic fields and public health are available on the following website: <http://www.who.int/peh-emf>. Note: 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 instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference to radio or television reception, which can be determined by turning the equipment off and on. 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 into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. For receiver devices associated with the operation of a licensed radio service (e.g. FM broadcast), they bear the following statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

For other devices, they bear the following statement: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference (2) this device must accept any interference received, including interference that may cause undesired operation.

Your router is equipped with a built-in antenna. For optimal operation, you should avoid touching it or damaging it.

As routers offer a range of functions, they can be used in positions other than against your ear. In such circumstances the device will be compliant with the guidelines when used with headset or usb data cable. If you are using another accessory ensure that whatever product is used is free of any metal and that it positions the router at least 10 mm away from the body.

FCC Compliance (when US bands are supported)

Federal Communications Commission Notice (United States):

Before a wireless device model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The SAR limit for battery operated standalone wireless routers adopted by the USA is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The highest SAR value reported to the FCC for this device type was compliant with this limit. This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment. NOTE: 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 instructions, may cause harmful interference to radio communications. However, there is no guarantee 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 the equipment off and on, 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 into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Distraction / Driving

Full attention must be given to driving at all times, in order to reduce the risk of an accident. Using this device while driving causes distraction and can lead to an accident. You must comply with local laws and regulations restricting the use of wireless devices while driving.

Operating machinery

Full attention must be given to operating the machinery in order to reduce the risk of an accident.

Product Handling

You alone are responsible for how you use your device and any consequences of its use.

You must always switch off your device wherever the use of a mobile phone is prohibited. Use of your device is subject to safety measures designed to protect users and their environment.

- Always treat your device and its accessories with care and keep it in a clean and dust-free place.
- Do not expose your device or its accessories to open flames or lit tobacco products.
- Do not expose your device or its accessories to liquid, moisture, or high humidity.
- Do not drop, throw or try to bend your device or its accessories.
- Do not use harsh chemicals, cleaning solvents, or aerosols to clean the device or its accessories.
- Do not paint your device or its accessories.
- Do not attempt to disassemble your device or its accessories, only authorised personnel must do so.

COVER

CQF73.0VDAAB

PLEASE READ THIS SAFETY INFORMATION BEFORE YOU USE THE DEVICE. FOLLOWING THESE WARNINGS WILL HELP PREVENT INJURY TO YOURSELF OR OTHERS AND DAMAGE TO YOUR DEVICE.

Pictograms and graphic symbols

- Read the Safety Information section of this user guide before using this device. Failure to comply with safety warnings can result in serious injury.
- Do not use while you are driving
- For body-worn operation maintain a separation of 5mm
- This device is not intended for use by young children. If you allow a child to use it ensure the child is strictly supervised. This device contains small parts which are a choking hazard
- Keep away from pacemakers and other personal medical devices
- Switch off when instructed in hospitals and medical facilities
- Switch off when instructed in aircrafts and airports
- Switch off in explosive environments
- Do not use this device whilst walking across a road or cycling
- Do not use while refuelling or near gas or flammable liquids
- Do not dispose of this device or its battery in a fire
- Avoid contact with magnetic media
- Avoid Extreme Temperatures
- Avoid contact with liquid, keep dry
- Do not try and disassemble
- Do not rely on this device for emergency communications
- Only use approved accessories

RF exposure

Your device contains a radio transmitter and a receiver. When it is ON, it receives and transmits RF energy. When your device is in use, the system handling your connection controls the power level at which your device transmits.

Specific Absorption Rate (SAR)

Your wireless device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organisation ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health. The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 2 W/kg for Head and Body-worn, and 4 W/kg for Limb. The highest SAR value for this device when tested complied with this limit.

Maximum SAR for this model and conditions under which it was recorded.		
Body-Worn SAR (5mm)	LTE Band 38 + Wi-Fi 5GHz	1.69 W/kg*
Limb SAR (0mm)	LTE Band 40 + Wi-Fi 5GHz	3.69 W/kg*

*The tests are carried out in accordance with [CENELEC EN50566] [IEC 62209-2] [IEC/IEEE 62209-1528]

Body worn operation

To ensure compliance with RF exposure guidelines the device must be used with a minimum of 5mm separation from the body. Failure to observe these instructions could result in your RF exposure exceeding the relevant guideline limits and may use more power than necessary.

FCC Statement

Radio Waves

THIS DEVICE MEETS GOVERNMENT REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your router is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio-frequency (RF) energy. 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. These guidelines include a substantial safety margin designed to ensure the safety of all persons, regardless of age and health. The exposure standard for routers employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by public authorities such as the Federal Communications Commission of the US Government (FCC), or by Industry Canada, is 1.6 W/kg averaged over 1 gram of body tissue. Tests for SAR are conducted using standard operating positions with the router 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 router while operating can be well below the maximum value. This is because the router 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 of the router. Before a router model is available

PAGE 1

PAGE 2

VODAFONE MBB
R228T

CLIENT NAME: VODAFONE CC
ARTWORK VERSION: UK03B
DATE: 14/10/2021

PAGE SIZE: 95MM X 65MM
SUBSTRATE: 80 GR OR LESS,
WHITE RECYCLED PAPER
FINISH: NONE
COLORS BEING USED:
BLACK,
RED PANTONE 485C

COLOR FOR NON PRINTABLE OBJECTS
PANTONE 2727C

PROVIDED BY SMAL.

CREASE FOLD

- Do not expose your device or its accessories to extreme temperatures, minimum -0°C and maximum +45°C degrees Celsius.
- Please check local regulations for disposal of electronic products.
- Do not carry your device in your back pocket as it could break when you sit down.

Children

Do not leave your device and its accessories within the reach of children or allow them to play with it. They could hurt themselves or others, or may accidentally damage the device. Your device contains small parts with sharp edges that may cause an injury or which could become detached and create a choking hazard.

Electrostatic discharge (ESD)

Do not touch the SIM card or memory card's metal connectors.

Power supply

Do not connect your device to the power supply or switch it on until instructed to do so in the installation instructions.

Air Bags

Do not place this device in the area near or over an air bag or in the air bag deployment area. Store the device safely before driving your vehicle.

Emergency Situations

This device, like any wireless device, operates using radio signals, which cannot guarantee connection in all conditions. Therefore, you must never rely solely on any wireless device for emergency communications.

Device Heating

Your device may become warm during charging and during normal use, do not use this device if it is overheated.

Electrical Safety

Accessories

Use only approved accessories and chargers. Do not connect with incompatible products or accessories. Take care not to touch or allow metal objects, such as coins or key rings, to contact or short-circuit the battery terminals, charger, device charging point or any electrical contacts on accessories. Do not touch your device with wet hands. Do not touch the power cord with wet hands or disconnect the charger by pulling the cord. Doing so may result in electrocution.

Connection to a Car

Seek professional advice when connecting a device interface to the vehicle electrical system.

Faulty and Damaged Products

Do not attempt to disassemble the device or its accessory. Only qualified personnel should service or repair the device or its accessory. If your device or its accessory has been submerged in water or other liquid, punctured, or subjected to a severe fall, do not use it until you have taken it to be checked at an authorised service centre.

Battery Handling & Safety

Always switch the device off and disconnect the cable before removing the battery. Only use the battery and cable supplied, or manufacturer approved replacements intended for use with your device. Using other batteries and chargers could be dangerous. Improper battery use may result in a fire, explosion, or other hazard. If you believe the battery has been damaged, do not use the battery, take it to a service centre for testing. Do not disassemble or short-circuit the battery. Accidental short-circuiting can occur if a metallic object such as a key, paper clip, or pen touches the terminals of the battery. Don't handle a damaged, smoking, or leaking battery. Do not allow the battery to get wet. Do not puncture or crush the battery or allow it to be subjected to any external pressure or force.

Interference

Care must be taken when using the device in close proximity to personal medical devices, such as pacemakers and hearing aids.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 15 cm be maintained between a device and a pacemaker to avoid potential interference with the pacemaker.

Hearing Aids

People with hearing aids or other cochlear implants may experience interfering noises when using wireless devices or when one is nearby. The level of interference will depend on the type of hearing device and the distance from the interference source, increasing the separation between them may reduce the interference. You may also consult your hearing aid manufacturer to discuss alternatives.

Medical devices

Please consult your doctor and the medical device manufacturer to determine if operation of your device may interfere with the operation of your medical device.

Hospitals

Switch off your wireless device when requested to do so in hospitals, clinics or health care facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

Aircraft

Switch off your wireless device whenever you are instructed to do so by airport or airline staff. Consult the airline staff about the use of wireless devices on board the aircraft, if your device offers a 'flight mode' this must be enabled prior to boarding an aircraft.

Explosive environments

Petrol stations and explosive atmospheres

In locations with potentially explosive atmospheres, obey all posted signs to turn off wireless devices such as your device or other radio equipment. Areas with potentially explosive atmospheres include fuelling areas, below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

Blasting Caps and Areas

Turn off your wireless device when in a blasting area or in areas posted turn off "two-way radios" or "electronic devices" to avoid interfering with blasting operations.



Disposal and Recycling

1. When this crossed-out wheeled bin symbol is attached to a product, it means

the product is covered by the European Directive 2012/19/EU.

2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities pointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.

Software Information

The product software version is R228t_I2_02.00 or later. Software updates will be released to enhance usability of the product.

Software Updates

By continuing to use this device, you indicate that you have read and agree to the following content: In order to provide better service, this device will automatically check for/obtain software update information from Vodafone and its partners after connecting to the Internet.

This process may use mobile data and requires access to your device's unique identifier (IMEI/SN) and the service provider network ID (PLMN) to check whether your device needs to be updated. Note that neither Vodafone nor its partners will use the IMEI/SN information for the purposes of personally identifying you, this is only used for scheduling/managing software updates.

This equipment may be operated in all European countries. The 5150-5250 MHz (1) of Wi-Fi 5G can be used inside buildings and outdoor only when equipment are not be attached to a fixed installation or to the external body of road vehicles, a fixed infrastructure or a fixed outdoor antenna. The 5250-5350 MHz (1) of Wi-Fi 5G can be used inside buildings only. And the 5470-5725 MHz (1) band of Wi-Fi 5G can't be used in road vehicles, trains, aircraft or UAS (Unmanned Aircraft System) scenario for the following countries:

	BE	BG	CZ	DK
	DE	EE	IE	EL
	ES	FR	HR	IT
	CY	LV	LT	LU
	HU	MT	NL	AT
	PL	PT	RO	SI
	SK	FI	SE	NO
	IS	LI	CH	TR
	UK(NI)			
		Third countries		
UK				

Specification

This radio equipment operates with the following frequency bands and maximum radio-frequency power.

NOTE: This product is compliant with the power limits required by the European Union. Frequency bands supported by the product vary by model.

Services	Power Level (Maximum)
GSM 900 MHz	33.0 dBm
GSM 1800 MHz	30.5 dBm
UMTS Band 1 (2100 MHz)	24.5 dBm
UMTS Band 3 (1800 MHz)	24.5 dBm
UMTS Band 8 (900 MHz)	24.0 dBm
LTE FDD Band 1 (2100 MHz)	23.5 dBm
LTE FDD Band 3 (1800 MHz)	23.5 dBm
LTE FDD Band 7 (2600 MHz)	23.5 dBm
LTE FDD Band 8 (900 MHz)	23.5 dBm
LTE FDD Band 20 (800 MHz)	23.5 dBm
LTE FDD Band 28 (700 MHz)	24.0 dBm
LTE TDD Band 38 (2600 MHz)	23.5 dBm
LTE TDD Band 40 (2300 MHz)	23.5 dBm
802.11 b/g/n 2.4GHz band	19.43 dBm
802.11 a/n/ac 5150 – 5350 MHz	19.21 dBm
802.11 a/n/ac 5470 – 5725 MHz	19.04 dBm
802.11 a/n/ac 5725 – 5875 MHz	13.05 dBm

EU DECLARATION OF CONFORMITY

Hereby, Vodafone declares that the radio equipment type Vodafone 4G Mobile Hotspot R228t is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following Internet address:

<http://vodafone.com/R228t/ec-declaration>

UK CA UKCA DECLARATION OF CONFORMITY

Hereby, Vodafone declares that the radio equipment type Vodafone 4G Mobile Hotspot R228t is in compliance with Radio Equipment Regulations 2017. The full text of the UKCA declaration of conformity is available at the following Internet address:

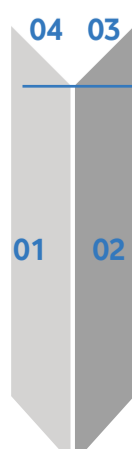
<http://vodafone.com/R228t/ec-declaration>

Vodafone

Vodafone S.à r.l., 15 rue Edward Steichen, L-2540 Luxembourg, Grand-Duché de Luxembourg

PAGE 3

STEP 1



PAGE 4

STEP 2

