

# Regulatory information

In some countries/regions including Europe<sup>\*\* 1</sup>, there are restrictions on the use of 5GHz WLAN that may limit the use to indoors only.

If you intend to use 5GHz WLAN on the device, check the local laws and regulations beforehand.

※ 1 The following EU and EFTA member countries:

Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE) and United Kingdom (UK), Switzerland (CH), Liechtenstein (LI), Iceland (IS), Norway (NO).

Hereby, SHARP CORPORATION declares that the radio equipment type SHV38 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://www.sharp.co.jp/k-tai/>

## Manufacturer's Address:

Sharp Corporation, IoT Communication BU  
2-13-1 Iida Hachihonmatsu  
Higashihiroshima-City  
Hiroshima,  
739-0192  
Japan

## • Description of accessories

Headset, Handsfree	φ 3.5 audio jack, Bluetooth.
microUSB cable	For Charging, Peripherals, etc.
microSD memory card	microSD/microSDHC/microSDXC
nano UIM card	au Nano IC Card/non-au Nano IC Cards non-au Nano IC Cards can be used after SIM-unlocking the handset.

## • Frequency range of supported bands in EU

GSM 900	Tx 880.2 to 914.8 MHz Rx 925.2 to 959.8 MHz
DCS 1800	Tx 1710.2 to 1784.8 MHz Rx 1805.2 to 1879.8 MHz
WCDMA FDD I	Tx 1922.4 to 1977.6 MHz Rx 2112.4 to 2167.6 MHz
LTE Band 1	Tx 1922.5 to 1977.5 MHz Rx 2112.5 to 2167.5 MHz
LTE Band 3	Tx 1710.7 to 1784.3 MHz Rx 1805.7 to 1879.3 MHz
Bluetooth	Tx 2402 to 2480 MHz Rx 2402 to 2480 MHz
WLAN 2.4 GHz	Tx/Rx 2412 to 2472 MHz (Bandwidth: 20MHz only)
WLAN 5 GHz	W52(U-NII 1): TX/RX 5180 - 5240MHz (BW:20MHz) TX/RX 5190 - 5230MHz (BW:40MHz) TX/RX 5210 MHz (BW:80MHz) W53(U-NII 2): TX/RX 5260 - 5320MHz (BW:20MHz) TX/RX 5270 - 5310MHz (BW:40MHz) TX/RX 5290 MHz (BW:80MHz) W56(U-NII 2ext): TX/RX 5500 - 5700MHz (BW:20MHz) TX/RX 5510 - 5670MHz (BW:40MHz) TX/RX 5530 - 5610MHz (BW:80MHz)
NFC	Tx/Rx 13.56 MHz
GPS	Rx L1 (1575.42 MHz)

## • Maximum transmit power

GSM 900	+33 dBm (Power Class4)
DCS 1800	+30 dBm (Power Class1)
WCDMA FDD I	+24 dBm (Power Class3)
LTE Band 1	+23 dBm (Power Class3)
LTE Band 3	+23 dBm (Power Class3)
Bluetooth	+4.0 dBm (Power Class1)
WLAN 2.4 GHz	+12.5 dBm
WLAN 5 GHz	+10.5 dBm
NFC	-10 dBμA/m at 10 m

## ■ Mobile Light

**Do not point the illuminated light directly at someone's eyes.**

Be especially careful not to shoot small children from a very close distance. Do not use Mobile light near people's faces. Eyesight may be temporarily affected leading to accidents.

## ■ AC Adapter

Any AC adapter used with this handset must be suitably approved with a 5Vdc SELV output which meets limited power source requirements as specified in EN/IEC 60950-1 clause 2.5.

## ■ Battery - CAUTION

**Use specified Charger only.**

Non-specified equipment use may cause malfunctions, electric shock or fire due to battery leakage, overheating or bursting.

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The battery is embedded inside the product. Avoid removing the embedded battery since this may cause overheating or bursting.

Do not dispose of the product with ordinary refuse. Take the product to an au Shop, or follow the local disposal regulations.

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Charge battery in ambient temperatures between 5°C and 35°C; outside this range, battery may leak/overheat and performance may deteriorate.

## ■ Volume Level Caution



To prevent possible hearing damage, do not listen at high volume levels for long periods.

## ■ Headphone Signal Level

The maximum output voltage for the music player function, measured in accordance with EN 50332-2, is 136 mV.

## ■ Stand-by Mark

 : This symbol means the stand-by on/off.

## ■ European RF Exposure Information

Your mobile 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 organization 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 and the highest SAR value for this device when tested at the ear is 0.463 W/kg<sup>\*2</sup> and when worn on the body is 1.650 W/kg<sup>\*2</sup>.

For body-worn operation, this mobile device has been tested and meets the RF exposure guidelines when used with an accessory containing no metal and positioning the handset a minimum of 5 mm from the body. Use of other accessories may not ensure compliance with RF exposure guidelines.

As SAR is measured utilizing the devices highest transmitting power the actual SAR of this device while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to reach the network.

The World Health Organization has stated that present scientific information does not indicate the need for any special precautions for the use of mobile devices. They note that if you want to reduce your exposure then you can do so by limiting the length of calls or using a hands-free device to keep the mobile phone away from the head.

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\*2 The tests are carried out in accordance with international guidelines for testing.

## FCC Notice

- 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.
- The device is electronically labeled and the FCC ID can be displayed via the About phone & the Authentication under the Settings menu.

### Information to User

This equipment has been tested and found to comply with the limits of 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:

1. Reorient/relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help and for additional suggestions.

#### Warning

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

### FCC RF Exposure Information

Your handset is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless handsets employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.

#### Highest SAR value:

Model	SHV38
FCC ID	APYHR000245
At the Ear	0.58 W/kg
On the Body	0.80 W/kg

This device was tested for typical body-worn operations with the back of the handset kept 1.0 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.0 cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly.

The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

The FCC has granted an Equipment Authorization for this model handset with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model handset is on file with the FCC and can be found at <http://transition.fcc.gov/oet/ea/fccid/> under the Display Grant section after searching on the corresponding FCC ID (see table above).

Additional information on Specific Absorption Rates (SAR) can be found on the FCC website at <http://www.fcc.gov/encyclopedia/radio-frequency-safety>.