

Radio Wave Exposure and Specific Absorption Rate (SAR) Information

Specific Absorption Rate (SAR) Information of This Product (for Japan)

This mobile phone [A601ZT] complies with the Japanese technical regulations and international guidelines regarding exposure to radio waves.

This mobile phone was designed in observance of the Japanese technical regulations regarding exposure to radio waves (*1) and the limits of exposure recommended in the international guidelines, which are equivalent to each other. The international guidelines were set out by the International Commission on Non-Ionizing Radiation Protection (ICNIRP), which is in collaboration with the World Health Organization (WHO), and the permissible limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health conditions.

The technical regulations and the international guidelines set out the limits of exposure to radio waves as the Specific Absorption Rate, or SAR, which is the value of absorbed energy in any 10 grams of human tissue over a 6-minute period. The SAR limit for mobile phones is 2.0 W/kg. The highest SAR value for this mobile phone when tested for use near the head is 1.764 W/kg (*2), and that when worn on the body is 1.789 W/kg (*2). There may be slight differences of the SAR values in individual product, but they all satisfy the limit.

The actual value of SAR of this mobile phone while operating can be well below the indicated above. This is due to automatic changes in the power level of the device to ensure it only uses the minimum power required to access the network.

This mobile phone can be used at positions other than against your head. By using accessories such as a belt clip holster that maintains a 0.5 cm separation with no metal (parts) between it and the body, this mobile phone is certified the compliance with the Japanese technical regulations.

The World Health Organization has stated that "a large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile phone use."

Please refer to the websites listed below if you would like more detailed information regarding SAR.

Ministry of Internal Affairs and Communications Website:
<https://www.tele.soumu.go.jp/e/sys/ele/index.htm>
Association of Radio Industries and Businesses Website:
<https://www.arib-emf.org/01denpa/denpa02-02.html> (in Japanese only)

*1 The technical regulations are provided in Article 14-2 of the Radio Equipment Regulations, a Ministerial Ordinance of the Radio Act.

*2 Including other radio systems that can be simultaneously used with 5G/LTE.