

データ通信端末の比吸収率（SAR）について / Specific Absorption Rate (SAR) of Mobile

Terminals

1. SO-05G の SAR / About SAR of SO-05G

（日本語）

この機種【SO-05G】は、国が定めた電波の人体吸収に関する技術基準および電波防護の国際ガイドラインに適合しています。

このデータ通信端末は、国が定めた電波の人体吸収に関する技術基準(※1)ならびに、これと同等な国際ガイドラインが推奨する電波防護の許容値を遵守するよう設計されています。この国際ガイドラインは世界保健機関（WHO）と協力関係にある国際非電離放射線防護委員会（ICNIRP）が定めたものであり、その許容値は使用者の年齢や健康状況に関係なく十分な安全率を含んでいます。

国の技術基準および国際ガイドラインは電波防護の許容値を人体に吸収される電波の平均エネルギー量を表す比吸収率（SAR : Specific Absorption Rate）で定めており、本データ通信端末に対する SAR の許容値は 2.0W/kg です。取扱説明書に記述する通常使用の場合、このデータ通信端末の SAR の最大値は **1.45W/kg**(※2)です。個々の製品によって SAR に多少の差異が生じることもありますが、いずれも許容値を満足しています。

データ通信端末は、携帯電話等基地局との通信に必要な最低限の送信電力になるよう設計されているため、実際に通信している状態では、通常 SAR はより小さい値となります。一般的には、基地局からの距離が近いほど、データ通信端末の出力は小さくなります。

通信中は、身体から 1.5 センチ以上離し、かつその間に金属（部分）が含まれないようにしてください。このことにより、本データ通信端末が国の技術基準および電波防護の国際ガイドラインに適合していることを確認しています。

世界保健機関は、『携帯電話が潜在的な健康リスクをもたらすかどうかを評価するために、これまで 20 年以上にわたって多数の研究が行われてきました。今日まで、携帯電話使用によって生じるとされる、いかなる健康影響も確立されていません。』と表明しています。

さらに詳しい情報をお知りになりたい場合には世界保健機関のホームページをご参照ください。

http://www.who.int/docstore/peh-emf/publications/facts_press/fact_japanese.htm

SAR について、さらに詳しい情報をお知りになりたい方は、下記のホームページをご参照ください。

総務省のホームページ <http://www.tele.soumu.go.jp/j/sys/ele/index.htm>

一般社団法人電波産業会のホームページ <http://www.arib-emf.org/01denpa/denpa02-02.html>

ソニーモバイルコミュニケーションズ株式会社のホームページ <http://www.sonymobile.co.jp/product/SAR/>

※1 技術基準については、電波法関連省令（無線設備規則第 14 条の 2）で規定されています。

※2 Xi/FOMA と同時に使用可能な無線機能を含みます。

(In English)

This model [SO-05G] device complies with Japanese technical regulations and international guidelines regarding exposure to radio waves.

This device was designed in observance of Japanese technical regulations regarding exposure to radio waves (*1) and limits to exposure to radio waves recommended by a set of equivalent international guidelines. This set of international guidelines was 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 condition.

The technical regulations and international guidelines set out limits for radio waves as the Specific Absorption Rate, or SAR, which is the value of absorbed energy in any 10 grams of tissue over a 6-minute period. The SAR limit for mobile terminals is 2.0 W/kg. The highest SAR value for this device when tested for intended use described in the instruction manual is **1.45 W/kg** (*2). There may be slight differences between the SAR levels for each product, but they all satisfy the limit.

The actual SAR of this device while operating can be well below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum required to reach the network. Therefore in general, the closer you are to a base station, the lower the power output of the device.

During communication, please keep the device farther than 1.5 cm away from your body without including any metals. This device satisfies the technical regulations and international guidelines.

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 WHO website if you would like more detailed information.

http://www.who.int/docstore/peh-emf/publications/facts_press/fact_english.htm

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

Ministry of Internal Affairs and Communications Website: <http://www.tele.soumu.go.jp/e/sys/ele/index.htm>

Association of Radio Industries and Businesses Website: <http://www.arib-emf.org/01denpa/denpa02-02.html>

(in Japanese only)

Sony Mobile Communications, Inc. Website: <http://www.sonymobile.co.jp/product/SAR/> (in Japanese only)

*1 Technical regulations are defined by the Ministerial Ordinance Related to Radio Law (Article 14-2 of Radio Equipment Regulations).

*2 Including other radio systems that can be simultaneously used with Xi/FOMA.

2. About SAR of SO-05G for FCC RF exposure requirements

Radio Wave Exposure and Specific Absorption Rate (SAR) Information

Important Information United States

THIS TABLET PC MODEL HAS BEEN CERTIFIED IN COMPLIANCE WITH THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

The tablets PC have been designed to comply with applicable safety requirements for exposure to radio waves. Your wireless tablet PC is a radio transmitter and receiver. It is designed to not exceed the limits* of exposure to radio frequency (RF) energy set by governmental authorities. These limits establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by international scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a safety margin designed to assure the safety of all individuals, regardless of age and health.

The radio wave exposure guidelines employ a unit of measurement known as the Specific Absorption Rate (SAR). Tests for SAR are conducted using standardized methods with the tablet PC transmitting at its highest certified power level in all used frequency bands.

While there may be differences between the SAR levels of various tablet PC models, they are all designed to meet the relevant guidelines for exposure to radio waves. For more information on SAR, please refer to the important information chapter in the User Guide.

The highest SAR value as reported to the authorities for this tablet PC model when tested for use against the body is 1.03 W/kg*. The tablet PC has been tested when positioned of 0 mm from the body without any metal parts in the vicinity of the tablet PC or when properly used with an appropriate Sony.

For devices which include "WiFi hotspot" functionality, SAR measurements for the device operating in WiFi hotspot mode were taken using a separation distance of 0 mm.

※ Before a tablet PC model is available for sale to the public in the US, it must be tested and certified by the Federal Communications Commission (FCC) that it does not exceed the limit established by the government-adopted requirement for safe exposure*. The tests are performed in positions and locations (i.e., by the ear and worn on the body) as required by the FCC for each model. The FCC has granted an Equipment Authorization for this tablet PC model with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. While there may be differences between the SAR levels of various tablet PCs, all mobile tablet PCs granted an FCC equipment authorization meet the government requirement for safe exposure. SAR information on this tablet PC model is on file at the FCC and can be found under the Display Grant section of <http://transition.fcc.gov/oet/ea/fccid/> after searching on FCCID PY7-TM0063. Additional information on SAR can be found on the Mobile Manufacturers Forum EMF website at <http://www.emfexplained.info/>.

* In the United States, the SAR limit for mobile tablet PCs used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The standard incorporates a margin of safety to give additional protection for

the public and to account for any variations in measurements.

** This paragraph is only applicable to authorities and customers in the United States.

3. About SAR of SO-05G for EU RF exposure requirements

Radio Wave Exposure and Specific Absorption Rate (SAR) Information

Europe

This tablet PC model has been designed to comply with applicable safety requirements for exposure to radio waves. These requirements are based on scientific guidelines that include safety margins designed to assure the safety of all persons, regardless of age and health. The radio wave exposure guidelines employ a unit of measurement known as the Specific Absorption Rate, or SAR.

Tests for SAR are conducted using standardized methods with the tablet PC transmitting at its highest certified power level in all used frequency bands.

While there may be differences between the SAR levels of various tablet PC models, they are all designed to meet the relevant guidelines for exposure to radio waves.

For more information on SAR, please refer to the important information chapter in the User's Guide.

SAR data information for residents in countries that have adopted the SAR limit recommended by the International Commission of Non-Ionizing Radiation Protection (ICNIRP), which is 2 W/kg averaged over ten (10) gram of tissue (for example European Union, Japan, Brazil and New Zealand):

The highest SAR value for this tablet PC when tested this for use at a distance of 15 mm against the body is 1.40 W/kg (10g).

Declaration of Conformity for SO-05G

The Product "SO-05G" is declared to conform with the essential requirements of European Union Directive 1999/5/EC Radio and Telecommunications Terminal Equipment Directive 3.1(a), 3.1(b) and 3.2. The Declaration of Conformity can be found on <http://www.sonymobile.co.jp/product/SAR/doc/>.