

## 携帯電話機の比吸収率（SAR）について

この機種【KY-42C】の携帯電話機は、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。

この携帯電話機は、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、携帯電話機に対する SAR の許容値は 2 W/kg です。この携帯電話機の側頭部における SAR の最大値は **0.657 W/kg** (※2)、身体に装着した場合の SAR の最大値は **0.530 W/kg** (※3)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。

携帯電話機は、携帯電話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、実際に通話等を行っている状態では、通常 SAR はより小さい値となります。

この携帯電話機は、側頭部以外の位置でも使用可能です。キャリングケース等のアクセサリをご使用するなどして、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、本携帯電話機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。

<https://www.who.int/news-room/fact-sheets/detail/electromagnetic-fields-and-public-health-mobile-phones>

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

<https://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

<https://www.arib-emf.org/01denpa/denpa02-02.html>

ドコモのホームページ

<https://www.docomo.ne.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 LTE と同時に使用可能な無線機能を含みます。

※3 LTE と同時に使用可能な無線機能を含みます。

## Specific Absorption Rate (SAR) Information of Mobile Phones

**This model [KY-42C] mobile phone complies with the Japanese technical regulations and the international guidelines regarding human 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 substantial safety margins 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 **0.657 W/kg** (\*2), and that when worn on the body is **0.530 W/kg** (\*3). 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 in positions other than against your head. By using accessories such as a belt clip holster that maintains a 1.5 cm separation with no metal (parts) between it and the body, this mobile phone is certified the compliance with the Japanese technical regulations and the 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.

<https://www.who.int/news-room/fact-sheets/detail/electromagnetic-fields-and-public-health-mobile-phones>

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)

NTT DOCOMO, INC. Website:

<https://www.docomo.ne.jp/english/product/sar/>

\*1 The technical regulations are provided in Article 14-2 of Radio Equipment Regulations, a Ministerial

Ordinance of the Radio Act.

\*2 Including other radio systems that can be simultaneously used with LTE.

\*3 Including other radio systems that can be simultaneously used with LTE.

## **FCC RF Exposure Information**

Read this information before using your phone. In August 1996, the Federal Communications Commission (FCC) of the United States, with its action in Report and Order FCC 96-326, adopted an updated safety standard for human to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards. Body-worn Operation This device was tested for typical body-worn operations with the back of the phone kept 0.39 inches (1.0 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.39 inches (1.0 cm) must be maintained between the user's body and the back of the phone, including the antenna. All beltclips, holsters and similar accessories used by this device must not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with FCC RF exposure limits and should be avoided. This device is not intended to be used with a lanyard or strap on the body. The device contains a mounting point that may be used to attach the device to equipment, a backpack or tool belt, etc.

## **FCC Certification Information**

The product is certified by Federal Communications Commission (FCC). The product's FCC ID is **JOYEB1136**.