

## データ通信端末の比吸収率（SAR）について

この機種【d-52C】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 W/kg です。このデータ通信端末を本取扱説明書に記述する通常使用の場合の SAR の最大値は **1.47 W/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。

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。

<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 5G/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 Terminals

**This model [d-52Cl] device complies with the Japanese technical regulations and the international guidelines regarding human exposure to radio waves.**

This device 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 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 terminals is 2.0 W/kg.

The highest SAR value for this device when tested for intended use described in the instruction manual is **1.47 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 device 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 required to access the network.

During communication, please keep the device farther than 1.5 cm away from your body without including any metals. This device 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 5G/LTE.

## **FCC Regulatory Compliance**

### **Certification information (SAR)**

This device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). The SAR limit adopted by the USA is 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported to the FCC for this device type complies with this limit. The highest SAR value reported to the FCC for this device type when using in portable exposure conditions is **1.09 W/kg**.

### **FCC statement**

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.

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.

Caution: Lenovo is not responsible for any radio or television interference caused by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

## **European RF Exposure Information**

### **Body worn operation**

The device complies with RF specifications when used at a distance of 0.50 cm from your body. Ensure that the device accessories, such as a device case and device holster, are not composed of metal components. Keep the device away from your body to meet the distance requirement. The highest SAR value reported for this device type when tested in portable exposure conditions is **1.49 W/kg**.

### **Statement**

Lenovo PC HK Limited declares that the radio equipment type d-52C is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: ( <https://www.lenovo.com/us/en/compliance/eu-doc>). This device may be operated in all member states of the EU. Observe national and local regulations where the device is used. This device may be restricted for use, depending on the local network.