データ通信端末の比吸収率（SAR）について

この機種【d-51F】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 **1.969W/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。

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-51F] 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 **1.969W/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 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 Notice

This device [d-51f] is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limit for exposure to radio frequency (RF) energy required by the Federal Communications Commission (FCC). The limit is 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 conditions.

The exposure standard for mobile terminals employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/kg. The tests are performed in positions and locations as required by the FCC. The highest SAR value for this handset when tested for worn on the body as shown below is **1.11 W/kg**.

Body-worn Operation: This device was tested for typical body-worn operations with the separation distance of 0.5 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain the above separation distance between the user's body and the device. 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 the FCC RF exposure requirements and should be avoided.

The FCC has granted an equipment authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure requirements. Filed SAR information of this device can be found by searching FCC ID O57TB336ZJ in the FCC ID Search webpage: https://www.fcc.gov/oet/ea/fccid.

Additional information on SAR can be found on the FCC website at
https://www.fcc.gov/general/radio-frequencysafety-0.

CE Declaration of Conformity

This device [d-51f] is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by the international guidelines. The guidelines were developed by the International Commission on Non-Ionizing Radiation Protection (ICNIRP) and include safety margins designed to assure the protection of all persons, regardless of age and health conditions.

The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile terminals is 2.0 W/kg. The highest SAR value for this device when tested for worn on the body at the separation distance of 0.5 cm from the body is **1.545 W/kg** (*1). For electronic safety, maintain the separation distance with accessories containing no metal, that position handset a minimum of the above distance. Use of other accessories may not ensure compliance with the guidelines.

*1 The tests are carried out in accordance with the international guidelines for testing.

Simplified Declaration of Conformity for [d-51f] Hereby, Motorola Mobility LLC declares that the radio equipment type [d-51f] 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.motorola.com/red.