

Lenovo

TB321FU

Regulatory Notice v1.0

Lenovo Regulatory Notice

■ Read first — regulatory information

Read this document before using your device. This device complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. Install and use your device according to the following instructions.

The latest version of this Regulatory Notice has also been uploaded on the Lenovo Support Web site. To refer to it, go to <http://support.lenovo.com/>, select your product, and then click Guides & Manuals.

Lisez ce document avant d'utiliser votre appareil . Cet appareil est conforme aux normes d'un pays ou d'une région fréquence radio et de sécurité dans laquelle il a été approuvé pour une utilisation sans fil. Installez et utilisez votre appareil en suivant les instructions suivantes .

La dernière version de cet avis de la réglementation a également été téléchargé sur le site Web de support Lenovo . Pour la consulter , allez à <http://support.lenovo.com/> , sélectionnez votre produit, puis cliquez sur Guides et manuels .

■ USA — Federal Communications Commission (FCC)

I. Integrated WLAN & Bluetooth function

- FCC ID: O57TB321FU

i) The FCC RF Exposure compliance:

The radiated energy from the antenna conforms to the FCC limit of the SAR (specific absorption rate) requirement regarding 47 CFR Part 2 section 1093.

ii) FCC ID of wireless function:

The FCC ID for the Integrated WLAN & Bluetooth function is indicated on the label affixed on the bottom side of your device.

iii) Radio Frequency interference requirements:

- This product has been tested and found to comply with the limits for a Class B digital device pursuant to FCC Part 15 Subpart B, C, & E.
- Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

II. Simultaneous use of RF transmitters

Please make sure of the following conditions on use of wireless features:

1. When you use any other RF option device, all other wireless features including the above integrated devices in your Lenovo device are required to be turned off.
2. Users must follow the RF Safety instructions on wireless option devices that are included in the RF option device's user's manual.

■ Canada- Innovation, Science and Economic Development

Canada (ISED)

I) Integrated WLAN & Bluetooth function

- IC: 10407A-TB321FU

The IC number for the Integrated WLAN & Bluetooth function is indicated on the label affixed on the bottom side of your device.

II) Low power license-exempt radio communication devices (RSS-247):

Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

Usage of this device is limited to indoor in the band 5150-5250MHz to reduce potential for harmful interference to co-channel Mobile Satellite systems.

III) Exposure of humans to RF fields (RSS-102):

Lenovo products employ low gain integral antennas that do not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's Web site at <https://www.hc-sc.gc.ca/> .

The radiated energy from the antennas connected to the wireless adapters conforms to the Canada Portable RF exposure limit regarding ISSED RSS-102 Issue 6, Clause 5

IV) Radio Local Area Network (RLAN) Device Operating in the 5925-7125 MHz Band(RSS-248):

Devices shall not be used for control of or communications with unmanned aircraft systems.

Numéro d'homologation IC

I) Modules de réseaux local sans fil pré-installé à l'usine:

- IC: 10407A-TB321FU

Le numéro IC pour la fonction WLAN et Bluetooth intégré est indiqué sur l'étiquette apposée sur le côté bas de votre appareil.

II) Remarque relative aux appareils de communication radio de faible puissance sans licence (CNR-247):

Le fonctionnement de ce type d'appareil est soumis aux deux conditions suivantes:

1. Cet appareil ne doit pas perturber les communications radio, et
2. cet appareil doit supporter toute perturbation, y compris les perturbations qui pourraient provoquer son dysfonctionnement.

L'utilisation de cet appareil est limitée à l'intérieur dans la bande 5150-5250 MHz afin de réduire le risque de brouillage préjudiciable aux systèmes de satellites mobiles co-canal.

III) Exposition des êtres humains aux champs radioélectriques (RF) (CNR-102):

Produits Lenovo emploient antennes à gain faible intégrales qui ne émette pas de champ RF dépassant les limites de Santé Canada pour la population générale ; consultez le Code de sécurité 6, disponible sur le site Web de Santé Canada à <https://www.hc-sc.gc.ca/> .

L'énergie rayonnée provenant des antennes **connectées** aux adaptateurs sans fil est conforme à la limite d'exposition aux RF portatifs du Canada concernant le CNR-102 d'ISD, numéro 6, clause 5

IV) Dispositif de réseau local radio (RLAN) fonctionnant dans la bande 5925-7125 MHz (RSS-248)

Les appareils ne doivent pas être utilisés pour contrôler ou communiquer avec des systèmes d'aéronefs sans pilote.

■ Electronic emission notices for North America

Federal Communications Commission (FCC) Supplier's Declaration of Conformity

The following information refers to [TB321FU] , machine type: [ZAEF]

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 an authorized dealer or service representative for help.

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.

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.

Responsible Party:

Lenovo (United States) Incorporated
8001 Development Drive
Morrisville, NC 27560
Email: FCC@lenovo.com

For model: TB321FU

■ European Union (EU) / United Kingdom (UK) compliance

UK Declaration of Conformity



Hereby, Lenovo declares that the wireless equipment listed in this document is in compliance with the UK Radio Equipment Regulations SI 2017 No. 1206.

The full text of the system UK declaration of conformity is available at the following Internet address:

<https://www.lenovo.com/us/en/compliance/uk-doc>

UK Frequency band restriction for wireless LAN

Usage of this device is limited to indoor use in the following WLAN bands:

- 5150 – 5250Mhz (see Note 1 exception below)
- 5250-5350 MHz, and
- 5945-6425 MHz

NOTE: 1 For the 5150 – 5250Mhz frequency band: If used outdoors, equipment shall not be attached to a fixed installation or to the external body of road vehicles, a fixed infrastructure, or a fixed outdoor antenna.

EU Declaration of Conformity



English

Hereby, Lenovo declares that the wireless equipment listed in this document is in compliance with the EU Radio Equipment Directive 2014/53/EU.

The full text of the system EU Declaration of Conformity is available at the following Internet address:

<https://www.lenovo.com/us/en/compliance/eu-doc>

EU Frequency band restriction for wireless LAN

Usage of this device is limited to indoor use in the following WLAN bands:

- **5150 – 5250MHz (see Note 1 exception below)**
- **5250-5350 MHz, and**
- **5945-6425 MHz**

NOTE: 1 For the 5150 – 5250MHz frequency band: If used outdoors, equipment shall not be attached to a fixed installation or to the external body of road vehicles, a fixed infrastructure, or a fixed outdoor antenna.

BG

С настоящото Lenovo декларира, че този тип радиосъоръжение [TB321FU] е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Използването на това устройство е ограничено до употреба на закрито в честотен диапазон 5250–5350 MHz и 5945 - 6425 MHz.

CZ

Tímto Lenovo prohlašuje, že typ rádiového zařízení [TB321FU] je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Použití tohoto zařízení je omezeno na vnitřní prostory a pásmo 5 250–5 350 MHz a 5945 - 6425 MHz.

DA

Hermed erklærer Lenovo, at radioudstyrstypen [TB321FU] er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Brugen af dette apparat er begrænset til indendørs i båndet fra 5250 til 5350 MHz og 5945 - 6425 MHz.

DE

Hiermit erklärt Lenovo, dass der Funkanlagentyp [TB321FU] der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Der Einsatz dieses Geräts ist beschränkt auf Innenräume sowie einen Frequenzbereich zwischen 5250 MHz und 5350 MHz und 5945 - 6425 MHz.

EL

Με την παρούσα ο/η Lenovo, δηλώνει ότι ο ραδιοεξοπλισμός [TB321FU] πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Η χρήση αυτής της συσκευής περιορίζεται σε εσωτερικούς χώρους στη ζώνη 5250 με 5350 MHz και 5945 - 6425 MHz.

EN

Hereby, Lenovo declares that the radio equipment type [TB321FU] 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/>] Usage of this device is limited to indoor in the band 5250 to 5350 MHz and 5945 - 6425 MHz.

ES

Por la presente, Lenovo declara que el tipo de equipo radioeléctrico [TB321FU] es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] El uso de este dispositivo se limita a interiores en la banda de 5.250 a 5.350 MHz y 5945 - 6425 MHz.

ET

Käesolevaga deklareerib Lenovo , et käesolev raadioseadme tüüp [TB321FU] vastab direktiivi 2014/53/EL nõuetele. Eli vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Seade on kasutamiseks ainult siseruumides sagedusribas 5250 kuni 5350 MHz ja 5945 - 6425 MHz.

FI

Lenovo vakuuttaa, että radiolaitetyyppi [TB321FU] on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Tämän laitteen käyttö on rajoitettu sisätiloihin taajuusalueelle 5250-5350 MHz ja 5945 - 6425 MHz.

FR

Le soussigné, Lenovo , déclare que l'équipement radioélectrique du type [TB321FU] est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Ce dispositif est limité à une utilisation en intérieur dans la bande 5250-5350 MHz et 5945 - 6425 MHz.

HR

Lenovo ovime izjavljuje da je radijska oprema tipa [TB321FU] u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Upotreba ovog uređaja ograničena je na zatvorene prostore u pojasu od 5250 do 5350 MHz i 5945 - 6425 MHz.

HU

Lenovo igazolja, hogy a [TB321FU] típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] A készülék kizárólag beltéri használatra alkalmas az 5250–5350 MHz-es sávban és 5945 - 6425 MHz.

IT

Il fabbricante, Lenovo , dichiara che il tipo di apparecchiatura radio [TB321FU] è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al

segunte indirizzo Internet: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Notkun á þessu tæki er takmörkuð innanhúss við tíðnisviðið 5250-5350 MHz e 5945 - 6425 MHz.

LT

Aš, Lenovo, patvirtinu, kad radijo įrenginių tipas [TB321FU] atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Šio prietaiso naudojimas ribojamas – jį galima naudoti patalpų viduje 5250–5350 MHz diapazono juostoje ir 5945 - 6425 MHz.

LV

Ar šo Lenovo deklarē, ka radioiekārta [TB321FU] atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Šī ierīce paredzēta lietošanai iekšējās 5250-5350 MHz joslā un 5945 - 6425 MHz.

NL

Hierbij verklaar ik, Lenovo, dat het type radioapparatuur [TB321FU] conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Dit apparaat kan alleen binnenshuis worden gebruikt in de band 5250-5350 MHz en 5945 - 6425 MHz.

PL

Lenovo niniejszym oświadcza, że typ urządzenia radiowego [TB321FU] jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Urządzenie to można używać tylko w pomieszczeniach oraz w paśmie od 5250 do 5350 MHz oraz 5945 - 6425 MHz.

PT

O(a) abaixo assinado(a) Lenovo declara que o presente tipo de equipamento de rádio [TB321FU] está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] A utilização deste dispositivo está limitada a espaços interiores, nas bandas 5250-5350 MHz e 5945 - 6425 MHz.

RO

Prin prezenta, Lenovo declară că tipul de echipamente radio [TB321FU] este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Utilizarea acestui dispozitiv este limitat la interior în banda 5.250 - 5.350 MHz și 5945 - 6425 MHz.

SK

Lenovo týmto vyhlasuje, že rádiové zariadenie typu [TB321FU] je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Toto zariadenie možno používať len v

interiéri v pásme 5 250 – 5 350 MHz a 5945 - 6425 MHz.

SL

Lenovo potrjuje, da je tip radijske opreme [TB321FU] skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Uporaba te naprave je dovoljena v zaprtih prostorih v pasu 5250–5350 MHz in 5945 - 6425 MHz.

SV

Härmed försäkrar Lenovo att denna typ av radioutrustning [TB321FU] överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Användning av denna enhet är begränsad till inomhus i bandet 5250-5350 MHz och 5945 - 6425 MHz.

IS

Lenovo lýsir yfir að radióbúnaður gerð [TB321FU] er í samræ mi við tilskipun 2014/53/EU. Heildartexta EU samræ misyfirlýsing er í boði á eftirfarandi veffangi: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Notkun á þessu tæ ki er takmörkuð innanhúss við tíðnisviðið 5250-5350 MHz og 5945 - 6425 MHz.

NO

Lenovo erklæ rer at radioutstyret av typen [TB321FU] er i samsvar med direktivet 2014/53/EU. Den fulle teksten til EUs samsvarserklæ ring finnes på følgende internettadresser: [<https://www.lenovo.com/us/en/compliance/eu-doc/>] Bruk av denne enheten er begrenset til innendørs på båndet 5250–5350 MHz og 5945 - 6425 MHz.

YOUR MOBILE DEVICE MEETS INTERNATIONAL

GUIDELINES FOR EXPOSURE TO RADIO WAVES.

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves (radio frequency electromagnetic fields) recommended by international guidelines. The guidelines were developed by an independent scientific organization (ICNIRP) and include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The radio wave exposure guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The highest SAR values under the ICNIRP guidelines for your device model are listed below:

Maximum SAR for this model and conditions under which it was recorded.			
Europe 10g SAR Limit	Body-worn (0mm)	WLAN, Bluetooth	1.588W/kg

(2.0 W/kg)			
Europe 10g SAR Limit (4.0 W/kg)	Limb (0mm)	WLAN, Bluetooth	1.588W/kg

During use, the actual SAR values for your device are usually well below the values stated. This is because, for purposes of system efficiency and to minimize interference on the network, the operating power of your mobile device is automatically decreased when full power is not needed for the call.

The lower the power output of the device, the lower its SAR value. If you are interested in further reducing your RF exposure then you can easily do so by limiting your usage or simply using a hands-free kit to keep the device away from the head and body.

Precautions for use of the equipment

In accordance with French regulations, the following are precautionary recommendations only.

No danger associated with the use of a mobile device has been observed. You can limit your exposure to radio-frequency energy:

--By using your device in areas with good network reception conditions (for example: display shows four or five bars). Other areas may have poor reception, such as an underground car park, when traveling by train or car, etc.

--By using a hands-free kit to keep your device away from your head and body. In this latter case, pregnant women are advised to keep their device away from their abdomen. It is also recommended that adolescents keep their devices away from the lower part of their abdomen.

--By making reasonable use of mobile devices by children and adolescents, for example by avoiding night-time communications and limiting the frequency and duration of calls.

--Precautions should be taken by wearers of electronic implants (cardiac pacemakers, insulin pumps, neurostimulators, etc.) concerning in particular the distance between the mobile device and the implant (20 cm) and the position of the device, during the call, on the side opposite the implant. In addition, always follow the local laws and regulations, which govern how you can use mobile devices while driving.

Prolonged use of any device may cause discomfort. Use your device in a safe area with comfortable ambient lighting and take frequent breaks if you feel discomfort. Seek medical advice if symptoms persist. In rare cases, flashing patterns or lights, for example in video games or movies, may cause seizures or blackouts. If you suffer any seizures or blackouts, or have a history of seizures, stop using your device and seek medical advice.

For more safety information, please refer to the Lenovo Safety and Warranty Guide provided with your product or visit us at: <https://pcsupport.lenovo.com/> for all user documentation and support.

YOUR MOBILE DEVICE MEETS FCC AND IC

LIMITS FOR EXPOSURE TO RADIO WAVES.

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves (radio frequency electromagnetic fields) adopted by the Federal Communications Commission (FCC) and Industry Canada (IC). These limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The radio wave exposure guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 1.6W/kg. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The highest SAR values under the FCC and IC guidelines for your device model are listed below:

Maximum SAR for this model and conditions under which it was recorded.			
FCC/IC 1g SAR Limit(1.6W/kg)	Body-worn	WLAN, Bluetooth	1.19W/kg

During use, the actual SAR values for your device are usually well below the values stated. This is because, for purposes of system efficiency and to minimize interference on the network, the operating power of your mobile device is automatically decreased when full power is not needed for the call. The lower the power output of the device, the lower its SAR value. If you are interested in further reducing your RF exposure then you can easily do so by limiting your usage or simply using a hands-free kit to keep the device away from the head and body.

New World. New Thinking. TM

www.lenovo.com