

# Lenovo

TB-8703F

Regulatory Notice v1.2

# 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/>, 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/> , puis cliquez sur Guides et manuels .

## ■ USA — Federal Communications Commission (FCC)

### I. Integrated WLAN & Bluetooth function

- FCC ID: O57TB8703F

Wireless LAN function marketed in the USA and Canada do not support nor function in the extended channels (12ch,13ch).

#### 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 and E.

### 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- Industry Canada (IC)**

### **I) Integrated WLAN & Bluetooth function**

- IC: 10407A-TB8703F

Wireless LAN Integrated WLAN & Bluetooth function marketed in the USA and Canada do not support nor function in the extended channels (12ch, 13ch).

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.
3. Usage of this device is limited to indoor in the band 5150-5350MHz.
4. High power radars are allocated as primary users (meaning they have priority) of 5250-5350 MHz and 5650-5850 MHz and these radars could cause interference and/or damage to LE-LAN (Licence-Exempt Local Area Network) devices.

### **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 [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb)

The radiated energy from the antennas connected to the wireless adapters conforms to the IC limit of the RF exposure requirement regarding IC RSS-102, Issue 5 clause 4.2.

### **Numéro d'homologation IC**

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

- IC: 10407A-TB8703F

Fonction LAN sans fil WLAN et Bluetooth intégré commercialisé aux Etats-Unis et le Canada ne prend pas en charge ni fonction dans les canaux étendus (12CH, 13CH).

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.

**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 [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb)

L'énergie rayonnée par les antennes reliées aux adaptateurs sans fil conforme à la limite IC de l'exigence de l'exposition aux RF IC concernant RSS - 102 , Issue 5 clause 4.2

**■ Electronic emission notices for North America****Federal Communications Commission (FCC) Compliance Information**

• FCC ID: TB-8703F

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

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## ■ Europe — EU Declaration of Conformity

Products intended for sale within the European Union are marked with the European Conformity (CE) Marking, which indicates compliance with the applicable Directives and European Norms, and amendments, identified below.

**For model: TB-8703F**



### ■ English

Hereby, Lenovo (Singapore) Pte Ltd. declares that this TB-8703F *product* is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Usage of this device is limited to indoor in the band 5150 to 5350 MHz (channels 36, 40, 44, 48, 52, 56, 60, 64).

### ■ Bulgarian

С настоящето Lenovo (Singapore) Pte Ltd. декларира, че *продукт* TB-8703F е в съответствие с основните изисквания и другите уместни условия на Директива 1999/5/EC. *Използването* на това устройство е ограничено до употреба на закрито в честотен диапазон 5150–5350 MHz (каналы 36, 40, 44, 48, 52, 56, 60, 64).

### ■ Croatian

Ovime Lenovo (Singapore) Pte Ltd. izjavljuje da je proizvod TB-8703F u skladu s ključnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EZ. Upotreba ovog uređaja ograničena je na zatvorene prostore u pojasu od 5150 do 5350 MHz (kanali 36, 40, 44, 48, 52, 56, 60, 64).

### ■ Czech

Tímto společnost Lenovo (Singapore) Pte Ltd. prohlašuje, že tento produkt TB-8703F splňuje základní požadavky a další relevantní ustanovení směrnice 1999/5/EC. Použití tohoto zařízení je omezeno na vnitřní prostory a pásmo 5 150–5 350 MHz (kanály 36, 40, 44, 48, 52, 56, 60, 64).

### ■ Danish

Herved erklærer Lenovo (Singapore) Pte Ltd., at dette TB-8703F *-produkt* er i overensstemmelse med de væsentlige krav og andre relevante bestemmelser i Rådets direktiv 1999/5/EØF. Brugen af dette apparat er begrænset til indendørs i båndet fra 5150 til 5350 MHz (kanal 36, 40, 44, 48, 52, 56, 60, 64).

### ■ German

Hiermit erklärt Lenovo (Singapur) Pte Ltd., dass das Produkt TB-8703F die

wesentlichen Anforderungen und sonstigen anwendbaren Bestimmungen der Richtlinie 1999/5/EG erfüllt. Der Einsatz dieses Geräts ist beschränkt auf Innenräume sowie einen Frequenzbereich zwischen 5150 MHz und 5350 MHz (Kanal 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Estonian

Käesolevaga kinnitab Lenovo (Singapore) Pte Ltd., et see toode TB-8703F vastab direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele muudele asjakohastele sätetele. Seade on kasutamiseks ainult siseruumides sagedusribas 5150 kuni 5350 MHz (kanalid 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Spanish

Por la presente, Lenovo (Singapore) Pte Ltd. declara que el producto TB-8703F cumple con los requisitos esenciales y con otras disposiciones relevantes de la Directiva 1999/5/EC. El uso de este dispositivo se limita a interiores en la banda de 5.150 a 5.350 MHz (canales 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Greek

H Lenovo (Singapore) Pte Ltd. δηλώνει με την παρούσα ότι αυτό το προϊόν TB-8703F συμμορφώνεται με τις ουσιώδεις απαιτήσεις και άλλες σχετικές διατάξεις της Οδηγίας 1999/5/EK της Ευρωπαϊκής Ένωσης. Η χρήση αυτής της συσκευής περιορίζεται σε εσωτερικούς χώρους στη ζώνη 5150 με 5350 MHz (κανάλια 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ French

Par la présente, Lenovo (Singapore) Pte Ltd. déclare que le produit TB-8703F est conforme aux exigences essentielles ainsi qu'aux autres dispositions applicables de la Directive 1999/5/CE. Ce dispositif est limité à une utilisation en intérieur dans la bande 5150-5350 MHz (canaux 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Icelandic

Hér með lýsir Lenovo (Singapore) Pte Ltd. því yfir að varan TB-8703F sé í samræmi við grunnkröfur og önnur viðeigandi ákvæði tilskipunar 1999/5/EB. Notkun á þessu tæki er takmörkuð innanhúss við tíðnisviðið 5150-5350 MHz (rásir 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Italian

Lenovo (Singapore) Pte Ltd. certifica il prodotto TB-8703F è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 1999/5/CE. Notkun á þessu tæki er takmörkuð innanhúss við tíðnisviðið 5150-5350 MHz (rásir 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Latvian

Ar šo Lenovo (Singapore) Pte Ltd. paziņo, ka šis izstrādājums TB-8703F atbilst būtiskajām Direktīvas 1999/5/EK prasībām un citiem ar to saistītajiem noteikumiem. Šī ierīce

paredzēta lietošanai iekštelpās 5150-5350 MHz joslā (kanāli: 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Lithuanian

Šiuo dokumentu „Lenovo (Singapore) Pte Ltd.“ skelbia, kad šis „ TB-8703F *produktas* atitinka pagrindinius 1999/5/EB direktyvos reikalavimus ir susijusias nuostatas. Šio prietaiso naudojimas ribojamas – jį galima naudoti patalpų viduje 5150–5350 MHz diapazono juostoje (36, 40, 44, 48, 52, 56, 60, 64 kanalai).

#### ■ Dutch

Hierbij verklaart Lenovo (Singapore) Pte Ltd., dat dit product, TB-8703F, voldoet aan de essentiële vereisten en andere relevante bepalingen van Directive 1999/5/EC. Dit apparaat kan alleen binnenshuis worden gebruikt in de band 5150-5350 MHz (kanalen 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Norwegian

Lenovo (Singapore) Pte. Ltd. erklærer herved at dette TB-8703F *-produktet* er i samsvar med de viktigste kravene og andre relevante bestemmelser i EU-direktiv 1999/5/EØF. Bruk av denne enheten er begrenset til innendørs på båndet 5150–5350 MHz (kanalene 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Hungarian

A Lenovo (Singapore) Pte Ltd. ezennel kijelenti, hogy az TB-8703F *termék* megfelel az 1999/5/EC irányvonal alapvető követelményeinek és más vonatkozó előírásainak. A készülék kizárólag beltéri használatra alkalmas az 5150–5350 MHz-es sávban (36, 40, 44, 48, 52, 56, 60, 64 csatorna).

#### ■ Polish

Lenovo (Singapore) Pte Ltd. deklaruje niniejszym, że produkt TB-8703F jest zgodny z zasadniczymi wymaganiami i postanowieniami dyrektywy 1999/5/EC. Urządzenie to można używać tylko w pomieszczeniach oraz w paśmie od 5150 do 5350 MHz (kanały nr 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Portuguese

Pelo presente, a Lenovo (Singapura) Pte Ltd. declara que este produto TB-8703F está em conformidade com os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/CE. A utilização deste dispositivo está limitada a espaços interiores, nas bandas 5150-5350 MHz (canais 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Romanian

Prin prezenta, Lenovo (Singapore) Pte Ltd. declară că acest produs TB-8703F respectă cerințele esențiale și este în conformitate cu prevederile Directivei 1999/5/CE. Utilizarea acestui dispozitiv este limitat la interior în banda 5.150 - 5.350 MHz (canalele 36, 40, 44, 48, 52, 56, 60, 64).



#### ■ Slovenian

S tem Lenovo (Singapore) Pte Ltd. izjavlja, da izdelek TB-8703F ustreza bistvenim zahtevam in drugim določbam Direktive 1999/5/ES. Uporaba te naprave je dovoljena v zaprtih prostorih v pasu 5150–5350 MHz (kanali 36, 40, 44, 48, 52, 56, 60 in 64).

#### ■ Slovakian

Týmto spoločnosť Lenovo (Singapore) Pte Ltd. prehlasuje, že produkt TB-8703F je v súlade nevyhnutnými kritériami a inými príslušnými požiadavkami smernice 1999/5/EC. Toto zariadenie možno používať len v interiéri v pásme 5 150 – 5 350 MHz (kanály 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Finnish

Lenovo (Singapore) Pte Ltd. ilmoittaa täten, että tämä TB-8703F -tuote on direktiivin 1999/5/EY pakollisten vaatimusten ja direktiivin muiden asiaankuuluvien määräysten mukainen. Tämän laitteen käyttö on rajoitettu sisätiloihin taajuusalueelle 5150-5350 MHz (kanavat 36, 40, 44, 48, 52, 56, 60, 64).

#### ■ Swedish

Härmed deklarerar Lenovo (Singapore) Pte Ltd. att denna TB-8703F -produkt uppfyller de grundläggande kraven och andra bestämmelser i direktiv 1999/5/EC. Användning av denna enhet är begränsad till inomhus i bandet 5150-5350 MHz (kanal 36, 40, 44, 48, 52, 56, 60, 64).

## 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. The SAR limit for mobile devices is 2W/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 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 (2.0 W/kg)	Head	Wi-Fi, Bluetooth	NA
	Body-worn	Wi-Fi, Bluetooth	0.951W/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.

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 1g SAR	Head	Wi-Fi, Bluetooth	NA
Limit(1.6W/kg)	Body-worn	Wi-Fi, Bluetooth	1.435W/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.

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