Lenovo

ThinkPad®

Regulatory Notice for ThinkPad X1 Tablet

Read first — regulatory information

Read this document before using your tablet. This tablet 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 tablet according to the following instructions.

The latest *Regulatory Notice* manual is available on the Lenovo Web site. To download the manual, go to http://www.lenovo.com/support and then follow the on-screen instructions.

Veuillez lire le présent document avant d'utiliser votre ordinateur. Cet ordinateur est conforme aux normes de fréquence radio et de sécurité de tous les pays ou régions dans lesquels son utilisation sans fil a été homologuée. Installez et utilisez l'ordinateur en respectant les instructions qui suivent.

La version la plus récente de la Notice relative à la réglementation a été chargée sur le site Web. Pour la consulter, accédez à http://www.lenovo.com/UserManuals.

USA — Federal Communications Commission (FCC)

FCC ID

This system contains the following wireless devices and underwent the certification process of FCC CFR 47 Part 2 section 1093, Part 15 Subpart C and Subpart E, Part 27, Part 22 Subpart H, and Part 24 Subpart E under each respective FCC ID below. The FCC ID is indicated on the enclosure of your system.

- FCC ID: PU5-TP00082A
  - Wireless LAN module with Bluetooth function (model: 8260D2W)
- FCC ID: PU5-TP00082AUC
  - Wireless LAN module with Bluetooth function (model: 8260D2W)
  - Wireless WAN module (model: EM7455)
- FCC ID: PD911000D2
  - WiGig module (model: 11000D2W)
- FCC ID: MCLT77H519
  - NFC module (model: T77H519)

The preinstalled wireless modules have been tested and found to comply with the limits for the Class B digital device regarding FCC Part 15 Subpart B. Refer to “Electronic emission notices” on page 5.

The wireless module in your tablet is preinstalled by Lenovo®, and you are prohibited to replace with other wireless adapter nor remove it. If the device requires replacement due to some problem during warranty, it must be serviced by a Lenovo authorized servicer.

FCC RF exposure compliance

The radiated output power of your system is far below the FCC radio frequency exposure limits. Nevertheless, it shall be used in such a manner that the potential for human contact during normal operation is minimized as follows:

CAUTION:
The radiated energy from the antennas conforms to the FCC limit of the SAR (Specific Absorption Rate) requirement regarding 47 CFR Part 2 Section 1093, when the tablet operates in the conventional setting. The SAR is determined to measure at the highest power level in each frequency band. However, the actual SAR level in the operation bands is well below the maximum value in some measurement plots. Because the tablet adjusts the cellular transmission power automatically based upon the proximity to the human body and orientation. Namely, the closer distance to you from the tablet, the lower the cellular transmission power level. The tablet has been tested and found to meet the FCC RF exposure guidelines.

The transmission antennas for the wireless LAN module are located in the LCD cover. See “Locating the UltraConnect™ wireless antennas” in *User Guide*.

Simultaneous use of RF transmitters

Your tablet is approved for simultaneous use of one of the approved wireless LAN modules, the approved wireless WAN module, and the approved NFC module. For a list of those transmitters, refer to the following:

- “About this manual” on page
- “FCC ID” on page 1
- *ThinkPad Regulatory Notice*

Make sure of the following conditions when you use any other external RF option device:

1. When you use any other RF option device, you are requested to confirm that the device conforms to the RF Safety requirement and is approved to use for your tablet.
2. You must follow the RF Safety instructions of the RF option device that are included in the user manual of the RF option device.
3. If the RF option device is prohibited to use in conjunction with another transmitters, you must turn off all other wireless features in your tablet.

Radio Frequency interference requirements

Each device has been tested and found to comply with the limits for a Class B digital device pursuant to FCC Part 15 Subpart B. Refer to “Electronic emission notices” on page 5.

When you use a wireless LAN module in the 802.11 a/n transmission mode, note that high power radars are allocated as primary users of the 5250 to 5350 MHz and 5650 to 5850 MHz bands. These radar stations can cause interference with and/or damage this device.

Canada — Industry Canada (IC)

IC certification number

This system contains the following wireless devices and the IC certification number is as below. The IC certification number is indicated on the bottom cover of your system.

- IC: 4182A-TP00082A
  - Wireless LAN module with Bluetooth function (model: 8260D2W)
- IC: 4182A-TP00082AUC

  - Wireless LAN module with Bluetooth function (model: 8260D2W)
  - Wireless WAN module (model: EM7455)
- IC: 1000M-11000D2
  - WiGig module (model: 11000D2W)
- IC: 2878D-T77H519
  - NFC module (model: T77H519)

The wireless module in your tablet is preinstalled by Lenovo®, and you are prohibited to replace with other wireless adapter nor remove it. If the device requires replacement due to some problem during warranty, it must be serviced by a Lenovo authorized servicer.

Low power license-exempt radio communication devices (RSS-210, RSS-247)

Operation is subject to the following two conditions:

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

When you use a wireless LAN module in the 802.11 a/n transmission mode, note the following:

- The devices for the band 5150–5350 MHz are only for indoor usage to reduce potential for harmful interference to co-channel Mobile Satellite systems.
- 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.
- The maximum antenna gain permitted for devices in the 5250-5350 MHz, 5470-5725 MHz, and 5725-5825 MHz bands complies with the e.i.r.p. limit.

Exposure of humans to RF fields (RSS-102)

The tablets 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 http://www.hc-sc.gc.ca/

The radiated energy from the antennas connected to the wireless modules conforms to the Canada Portable RF exposure limit regarding IC RSS-102, Issue 5, Section 4, set forth for an uncontrolled environment, and are safe for intended operation in the conventional setting. Further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Canada — Industry Canada (IC)

Numéro de certification IC

Votre tablette contient les dispositifs sans fil suivants, dont le numéro de certification IC figure ci-dessous. Le numéro de certification IC du module réseau local sans fil figure sur le boîtier de votre ordinateur. Pour connaître l’emplacement du numéro de certification IC, consultez la rubrique FCC ID and IC Certification information (Information concernant la certification ID et IC de la FCC) du Guide d’utilisation.

- IC: 4182A-TP00082A
  - Carte combinée sans fil LAN/Bluetooth (modèle: 8260D2W)
- IC: 4182A-TP00082AUC
  - Carte combinée sans fil LAN/Bluetooth (modèle: 8260D2W)
  - Carte réseau étendu sans fil WAN (modèle: EM7455)
- IC: 1000M-11000D2
  - WiGig (modèle: 11000D2W)
- IC: 2878D-T77H519
  - NFC (modèle: T77H519)

Le module réseau local sans fil de votre ordinateur est préinstallé par L enovo. Il vous est interdit de le remplacer par un autre adaptateur sans fil ou de le retirer. Si, en raison d'un problème, l'appareil doit être remplacé durant la période de garantie, le remplacement doit être effectué par un préposé à l'entretien autorisé par Lenovo.

Appareils de radio-communication basse tension sans licence d'utilisation (CNR-210, CNR-247)

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

1. Cet appareil ne peut pas causer de perturbations électromagnétiques.
2. Cet appareil doit accepter toutes les perturbations reçues, y compris celles susceptibles d'occasionner un fonctionnement indésirable.

Lorsque vous utilisez une carte de réseau local sans fil dans le mode de transmission 802.11 a/n, tenez compte des remarques suivantes :

- Les appareils destinés à la bande 5150–5350 MHz devront être exclusivement utilisés en intérieur afin de réduire les risques de perturbations électromagnétiques gênantes sur les systèmes de satellite mobile dans un même canal.
- Les radars à forte puissance sont désignés comme les utilisateurs principaux (c'est-à-dire qu'ils sont prioritaires) des bandes 5250-5350 MHz et 5650-5850 MHz. Ils peuvent provoquer des perturbations électromagnétiques sur les appareils de type LE-LAN (réseau de communication local sans licence) ou les endommager.
- Le gain d'antenne maximal autorisé pour les appareils dans les bandes de fréquence 5250-5350 MHz, 5470-5725 MHz et 5725-5825 MHz est conforme à la limite p.i.r.e (puissance isotrope rayonnée équivalente) définie dans.

Conformité des appareils de radiocommunication aux limites d'exposition humaine aux radiofréquences (CNR-102)

Les ordinateurs utilisent des antennes intégrales à faible gain qui n'émettent pas un champ électromagnétique supérieur aux normes imposées par Santé Canada pour la population. Consultez le Code de sécurité 6 sur le site Internet de Santé Canada à l'adresse http://www.hc-sc.gc.ca/

The radiated energy from the antennas connected to the wireless modules conforms to the Canada Portable RF exposure limit regarding IC RSS-102, Issue 5, Section 4, set forth for an uncontrolled environment, and are safe for intended operation in the conventional setting. The further RF exposure reduction can be

achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Electronic emission notices

Federal Communications Commission (FCC) Declaration of Conformity

The following information refers to ThinkPad X1 Tablet.

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
1009 Think Place-Building One
Morrisville, NC 27560
Telephone: 1-919-294-5900

Usage environment and your health

This tablet contains integrated wireless cards that operate within the guidelines identified by radio frequency (RF) safety standards and recommendations; therefore, Lenovo believes this product is safe for use by consumers. These standards and recommendations reflect the consensus of the worldwide scientific community, and result from deliberations of panels and committees of scientists, who continually review and interpret the extensive research literature.

In some situations or environments, the use of wireless devices might be restricted by the proprietor of a building or responsible representatives of an organization. For example, these situations and areas might include the following:

- On board of airplanes, in hospitals or near petrol stations, blasting areas (with electro-explosive devices), medical implants or body-worn electronic medical devices, such as pace makers.
- In any other environment where the risk of interference to other devices or services is perceived or identified as harmful.

If you are uncertain of the policy that applies to the use of wireless devices in a specific area (such as an airport or hospital), you are encouraged to ask for authorization to use a wireless device prior to turning on the tablet.

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UltraConnect

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