

Safety & Regulatory Guide for [WL2506 Wireless Charger Module]

Essential Information

Product Name : Wireless Charger Module

Brand Name : LUXSHARETECH

Type Number : WL2506

Input : 20Vdc, 1A

Output: 15W Max.

It is a 15W WPC wireless charger module for charging a single phone or phablet.

Wireless charger is built into the base of select Lenovo AIO or PC base unit All-in-One computers.

Place any Qi-enabled device on the base for charging.

1. Place the device on the base of the computer.
2. Position the device wireless charging coil directly on the right point of the base.

Troubleshooting charging issues

If the wireless charging feature does not work as expected, verify the following:

- Make sure that your mobile device is capable of wireless charging. See the product specifications of your mobile device.
- Make sure that your mobile device is placed correctly on the base .
- This booklet provides important safety, regulatory information that you should read before you start using your [WL2506 Wireless Charger Module]
- To avoid damaging your device, accessories or any connected devices, and to reduce the risk of personal injury, discomfort, property damage or other potential hazards, follow these precautions below :
 - Handle your [WL2506 Wireless Charger Module] with care. You may damage the device if you disassemble, drop, bend, burn, crush or puncture your device. Using a damaged device may cause overheating or injury. Don't expose your [WL2506 Wireless Charger Module] to liquids, which can cause a short circuit and overheating. The [WL2506 Wireless Charger Module] is designed to work best in ambient temperatures between 0 and 40°C.
 - Maintain a distance of 20 cm from your body to be consistent with how the device is tested for compliance with RF exposure requirements.
 - Compliance with 2014/53/EU Radio Equipment Directive (RED) The full text of the EU Declaration of Conformity is available at:

https://iknow.lenovo.com.cn/userManual/p_1.html?pmf_source=P0000010043M0001

• In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU, UK:

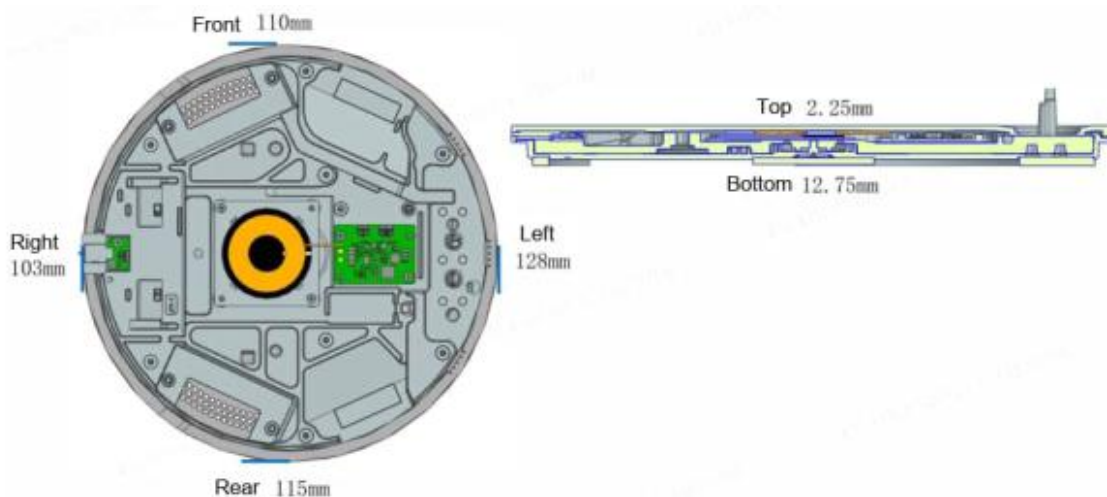
WPC	Frequency range	Output power
	110-148kHz	< 13 dBuA/m@10m

- RF Exposure Information (MPE)

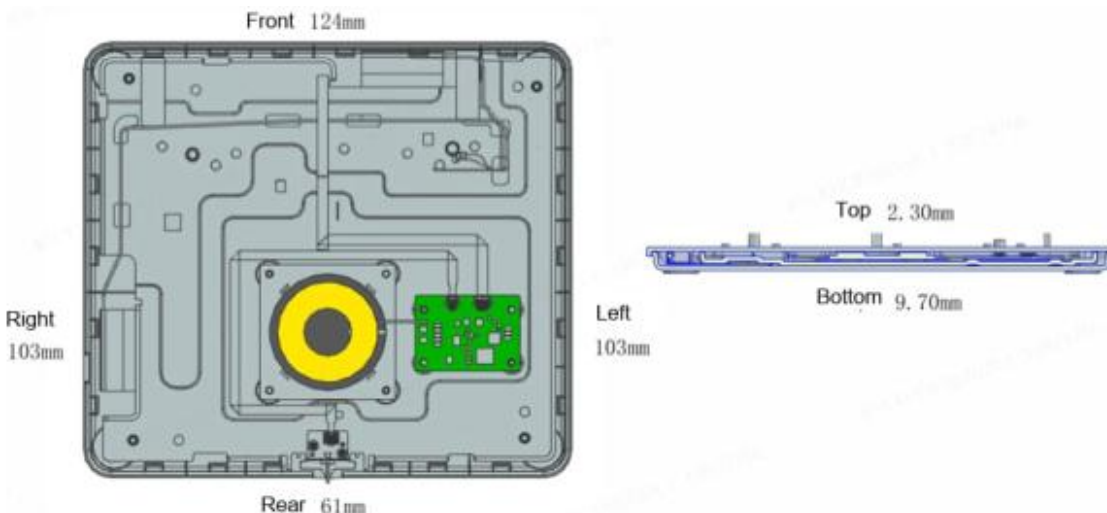
This device meets the EU requirements and the International Commission on Non-Ionizing Radiation Protection (ICNIRP) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

Installation Instructions

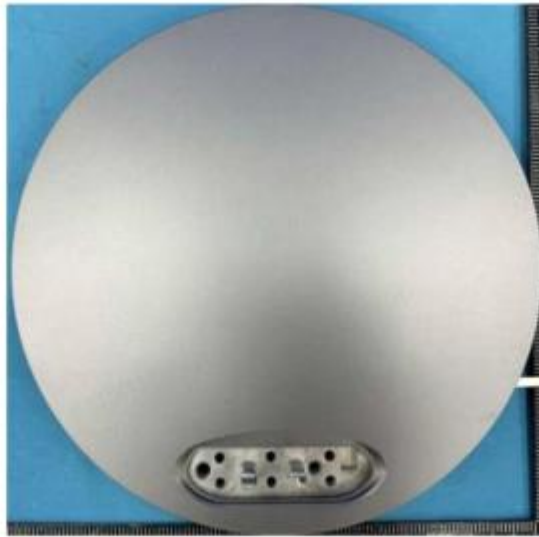
Installation Location Diagram (Will be a part of Yoga AIO 27IPH11)



Installation Location Diagram (Will be a part of IdeaCentre AIO 27IPH11)



External view of the device with enclosure type, which is embedded as stand into final product of Yoga AIO 27IPH11

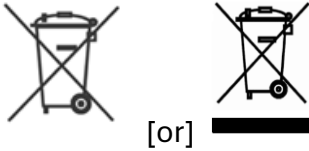


External view of the device with enclosure type, which is embedded as stand into final product of IdeaCentre AIO 27IPH11





Waste Electrical and Electronic Equipment (WEEE) & Batteries Directive



The WEEE symbol above means that according to local laws and regulations your product [and its battery] must be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities for safe disposal or recycling. The separate collection and recycling of your product and its battery will help conserve natural resources, protect human health, and help the environment.

EMC Compliance

Important: This device and power adapter have demonstrated Electromagnetic Compatibility (EMC) compliance under conditions that included the use of compliant peripheral devices and shielded cables between system components. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, televisions, and other electronic devices.

Changes or modifications to this product not authorized by lenovo could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product.



Regulatory Information: United States

FCC REGULATORY COMPLIANCE

Note: 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.
- Changes or modifications not expressly approved by Lenovo could void your authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following 2 conditions:

These devices may not cause harmful interference.

These devices must accept any interference received, including interference that may cause undesired operation.

Maintain a distance of 20 cm (8 inches) from your body to be consistent with how the device is tested for compliance with RF exposure requirements.

FCC ID: 2APXN-WL2506

EMC COMPLIANCE STATEMENT

Important: This device [and its power adapter] have demonstrated Electromagnetic Compatibility (EMC) compliance under conditions that included the use of compliant peripheral devices and shielded cables between system components. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, televisions, and other electronic devices.

RADIO FREQUENCY EXPOSURE

requirements for exposure to radio waves and is designed and manufactured not to exceed the FCC's emission limits for exposure to radiofrequency (RF) energy. To comply with FCC RF exposure compliance requirements, this device must not be co-located or operating in conjunction with any other antenna or transmitter.

Information for OEMs and host integrators

The OEM or integrator is obligated to adhere to these requirements and restrictions as a condition for using the module's certification.

The OEM or integrator is responsible to perform the required additional host regulatory testing and/or obtaining the required host approvals for compliance.

Per KDB 996369 D03 v01r01 OEM Manual section 2.2 to 2.12, this module is intended for OEM integrators under the following conditions:

2.2 List of applicable FCC rules

This module has been tested for compliance to FCC Part 15 Subpart C (15.209).

2.3 Summarize the specific operational use conditions

This module designed for mounting inside of the end product by OEM.

Antenna, antenna cable and antenna connectors of this module should be installed inside the end product so end users. Cannot change these setting.

Other than supported frequencies of the attached antenna should be controlled not to be transmitted by the host software.

This module is a dedicated module for OEM customers and must not be sold to the general public.

Therefore, it complies with the antenna and transmission system requirements of § 15.203.

2.4 Limited module procedures

Applicable.

1. This product has no self-shielding, and it needs to install in the host device to help provide shielding.
2. This product operates by receiving data signals and power from the Lenovo AIO series PCs, which is the only platform products be installed.

2.5 Trace antenna designs

Not applicable. This module has its own antenna, and does not need a host's printed board micro strip trace antenna, etc.

2.6 RF exposure considerations

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

Grantee must submit a Class II Permitted Change for each additional host configuration

When installing it in a portable equipment, it is necessary to take a SAR test with your set mounting this module (except to use only).

Class II permissive change application is necessary using the SAR report. Please contact us.

And an application for a Class II permissive change from a Mobile equipment to a Portable equipment is also required.

2.7 Antennas

The following antennas have been certified for use with this module; antennas of the same type with equal or lower gain may also be used with this module, except as described below. The antenna must be installed such that 20 cm can be maintained between the antenna and users.

Manufacturer	Part No.	Antenna Type
MAGWAY	98QTA110RB102	Coil

2.8 Label and compliance information

Label of the end product:

The final end product must be labeled in a visible area with the following: "Contains FCC ID: 2APXN-WL2506". The grantee's FCC ID can be used only when all FCC compliance requirements are met. The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module. The end product user manual shall include all required regulatory information/warning as shown in this manual.

2.9 Information on test modes and additional testing requirements

This module is only approval as a mobile equipment. Therefore, do not install it on portable equipment. If you wish to use it as a portable equipment, please contact us in advance as Class II permissive change application accompanied by SAR testing using the final product are required.

2.10 Additional testing, Part 15 Subpart B disclaimer

This transmitter module is tested as a subsystem and its certification does not cover the FCC Part 15 Subpart B (unintentional radiator) rule requirement applicable to the final host. The final host will still need to be reassessed for compliance to this portion of rule requirements if applicable. OEM/Host manufacturers are ultimately responsible for the compliance of the Host and Module. The final product must be reassessed against all the essential requirements of the FCC rule such as FCC Part 15 Subpart B before it can be placed on the US market. This includes reassessing the transmitter module for compliance with the Radio and EMF essential requirements of the FCC rules. This module must not be incorporated into any other device or system without retesting for compliance as multi-radio and combined equipment.

As long as all conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

2.11 Note EMI Considerations

Note that a host manufacture is recommended to use D04 Module Integration Guide recommending as "best practice" RF design engineering testing and evaluation in case non-linear interactions generate additional noncompliant limits due to module placement to host components or properties. For standalone mode, reference the guidance in D04 Module Integration Guide and for simultaneous mode; see D02 Module Q&A Question 12, which permits the host manufacturer to confirm compliance.

2.12 The test plan to show continued compliance

Test Plan

According to KDB 996369 D01 Module Certification Guide v04, restrictive modules need to develop a testing plan that complies with FCC regulations for terminal hosts to address their own restrictive defects.

Compared to a complete RF transmission assembly, this module is a restrictive module with the following limitations:

1. Modular transmitters cannot be powered independently.
2. Modular transmitters cannot be tested

in independent configurations.

For restricted modules that cannot be independently powered, according to the 996369 D01 Module Certification Guide v04 and 15.31e, for intentional radiation sources, the change in input power or the radiation signal level of the emitted fundamental frequency component should be measured when the power supply voltage varies between 85% and 115% of the nominal rated power supply voltage.

For modular transmitters that cannot be tested in an independent configuration, the terminal host with the installed local module should be used to test and record the test results.

The designated testing plan is as follows:

- A. The worst-case modulation mode (FSK) tested includes Wireless Charger Module.
- B. The frequency points for testing include: Wireless Charger Module needs to test frequency: 0.128 MHz.
- C. The testing items need to include but are not limited to Fundamental POWER. Include radiated spurious emissions with the antenna connected, UNWANTED EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS, RADIATED SPURIOUS EMISSION.
- D. Corresponding to the testing of including radiated spurious emissions with the antenna connected, the testing frequency range is the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower, as the wireless frequency is less than 10 GHz.
- E. When testing the terminal host, it is necessary to confirm and prove through radiation testing that there is no additional parasitic or non compliant radiation caused by intrusion (parasitic oscillation, stray signal radiation inside the host, etc.). Therefore, it is necessary to follow the guidance of C63.10 and C63.26 to test the radiation of 9K-30MHz, 30MHz-1GHz, respectively, to ensure that there is no additional parasitic or non compliant radiation caused by intrusion (parasitic oscillation, stray signal radiation inside the host, etc.).
- F. The above tests are based on C63.10 and C63.26 as guidance.
- G. The above tests need to be conducted on the terminal machine.

IMPORTANT NOTE: In the event that these conditions cannot be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

Manual Information To the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The host integrator must follow the integration instructions provided in this document and ensure that the composite-system end product complies with the requirements by a technical assessment or evaluation to the rules and to KDB Publication 996369.

The host integrator installing this module into their product must ensure that the final composite product complies with the requirements by a technical assessment or evaluation to the rules, including the transmitter operation and should refer to guidance in KDB 996369 ..

OEM/Host manufacturer responsibilities

OEM/Host manufacturers are ultimately responsible for the compliance of the Host and Module. The final product must be reassessed against all the essential requirements of the FCC rule such as FCC Part 15 Subpart B before it can be placed on the US market. This includes reassessing the transmitter module for compliance with the Radio and EMF essential requirements of the FCC rules. This module must not be incorporated into any other device or system without retesting for compliance as multi-radio and combined equipment.

Innovation, Science and Economic Development (ISED)

Canada Regulatory Compliance

IC: 24654-WL2506

INDUSTRY CANADA, CLASS B

This Class B digital apparatus complies with CAN ICES (B) / NMB (B).

Innovation, Science and Economic Development Canada (ISED Canada)

Innovation, Sciences et Développement économique Canada Industry Canada/Industrie

This device complies with ISED's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'ISED Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radio Frequency Exposure

The output power of the radio technology used in the Device is below the radio frequency exposure limits set by ISED for an uncontrolled environment.

Maintain a distance of 20 cm from your body to be consistent with how the device is tested for compliance with RF exposure requirements.

Exposition aux radiofréquences

La puissance de sortie de la technologie radio utilisée dans le périphérique est inférieure aux limites d'exposition aux fréquences radio définies par ISED Canada pour un environnement noncontrôlé.

Maintenez une distance de 20 cm de votre corps pour être cohérent avec la façon dont l'appareil est testé pour la conformité aux exigences d'exposition RF.

**This device is intended only for OEM integrators under the following conditions:
(For module device use)**

1) The antenna must be installed and operated with greater than 20cm between the antenna and users, and 2) The transmitter module may not be co-located with any other transmitter or antenna. As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes: (Pour utilisation de dispositif module)

1) L'antenne doit être installée et exploitée avec plus de 20 cm entre l'antenne et les utilisateurs, et

2) Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne. Tant que les 2 conditions ci-dessus sont remplies, des essais supplémentaires sur l'émetteur ne seront pas nécessaires. Toutefois, l'intégrateur OEM est toujours responsable des essais sur son produit final pour toutes exigences de conformité supplémentaires requis pour ce module installé.

IMPORTANT NOTE: In the event that these conditions cannot be met (for example certain laptop configurations or colocation with another transmitter), then the Canada authorization is no longer considered valid and the IC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate Canada authorization.

IMPORTANTENOTE: Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considérée comme valide et l'ID IC ne peut pas être utilisé sur le produit final. Dans ces circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final (y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.

End Product Labeling

This transmitter module is authorized only for use in device where the antenna may be installed and operated with greater than 20cm between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains IC: IC: 24654-WL2506".

Étiquetage du produit final

Ce module émetteur est uniquement autorisé à être utilisé dans un appareil où l'antenne peut être

installée de manière à ce que 20 cm puissent être maintenus entre l'antenne et les utilisateurs. Le produit final doit être étiqueté dans une zone visible avec les informations suivantes: "Contient le module d'émission IC: 24654-WL2506".

Manual Information To the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module. The end user manual shall include all required regulatory information/warning as shown in this manual.

Manuel d'information à l'utilisateur final

L'intégrateur OEM doit être conscient de ne pas fournir à l'utilisateur final des informations concernant la procédure d'installation ou de suppression de ce module RF dans le manuel de l'utilisateur du produit final qui intègre ce module.

Le manuel de l'utilisateur final doit inclure toutes les informations / avertissements réglementaires requis, comme indiqué dans ce manuel.

This radio transmitter [IC: 24654-WL2506] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Le présent émetteur radio [IC: 24654-WL2506] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste,

sont strictement interdits pour l'exploitation de l'émetteur

Manufacturer	Part No.	Antenna Type
MAGWAY	98QTA110RB102	Coil