



# TZ570W Safety and Regulatory Reference Guide

## Regulatory Model Number APL62-0F8

This document contains safety and regulatory information for the SonicWall TZ570W. The TZ570W is a wireless network security appliance with an internal wireless radio that can provide wireless access on either 5GHz or 2.4GHz and supports the 802.11 ac/n/g/a/b standards.

### Topics:

•

# Safety Information for Installation and Operation

- [Installation Requirements](#)
- [RF Safety Distance](#)
- [Cable Connections](#)
- [Power Supply Information](#)
- [Restricted Environments](#)
- [Radio Approvals](#)
- [Radio or Television Interference](#)
- [Wireless Interoperability](#)



**NOTE:** Additional regulatory notifications and information for this product can be found online at:

<https://www.sonicwall.com/support/technical-documentation>

TZ570W complies with FCC U-NII New Rules.

| Regulatory Model/Type | Product Name |
|-----------------------|--------------|
| APL62-0F8             | TZ570W       |

## Installation Requirements



**WARNING:** The following conditions are required for proper installation:

- 1 Mount in a location away from direct sunlight and sources of heat. A maximum ambient temperature of 104° F (40° C) is recommended.
- 2 Route cables away from power lines, fluorescent lighting fixtures, and sources of noise such as radios, transmitters, and broadband amplifiers.
- 3 The included power cord(s) are approved for use only in specific countries or regions. Before using a power cord, verify that it is rated and approved for use in your location.
- 4 Ensure that no water or excessive moisture can enter the unit.
- 5 Allow unrestricted airflow around the unit. A minimum of 1 inch (25.44mm) clearance is recommended.
- 6 Consideration must be given to the connection of the equipment to the supply circuit. Appropriate consideration of equipment nameplate ratings must be used when addressing this concern. Do not overload the circuit.
- 7 Reliable grounding of power supply must be maintained. Particular attention must be given to power supply connections other than direct connections to the branch circuits, such as power strips.
- 8 When using a Fiber Optic Small-Form Pluggable (SFP) module, ensure it is IEC 60825 certified and a Class 1 Laser Product.
- 9 This equipment is not intended for use at workplaces with visual display units, in accordance with §2 of the German ordinance for workplaces with visual display units. To avoid incommoding reflections at visual display workplaces, this device must not be placed in the direct field of view.

## RF Safety Distance

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with another antenna or transmitter

## Cable Connections

**All Ethernet and RS232 (Console)** cables are designed for intra-building connection to other equipment. Do not connect these ports directly to communication wiring or other wiring that exits the building where the appliance is located.

## Lithium Battery Warning

The Lithium Battery used in the SonicWall security appliance may not be replaced by the user. Return the SonicWall security appliance to a SonicWall-authorized service center for replacement with the same or equivalent type recommended by the manufacturer. If, for any reason, the battery or SonicWall security appliance must be disposed of, do so following the battery manufacturer's instructions.

## Power Supply Information

If the power supply is missing from your SonicWall product package, contact SonicWall Technical Support at <https://support.sonicwall.com/contact-support> for a replacement. This product should only be used with a UL listed power supply marked "I.T.E. LPS," with an output rated 12V DC, minimum 5.0 A, Tma: minimum 40 degrees C.

# Restricted Environments

The SonicWall wireless device, like other radio devices, emits radio frequency electromagnetic energy. The SonicWall wireless device operates within the guidelines found in radio frequency safety and recommendations. These standards and recommendations reflect the consensus of the 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 the SonicWall wireless device may be restricted by the proprietor of the building or responsible representatives of the applicable organization.

Examples of such situations include the following:

- Using the SonicWall wireless device equipment on board airplanes, or
- Using the SonicWall wireless device equipment in any other environment where the risk of interference with other devices or services is perceived or identified as being harmful.

If you are uncertain of the policy that applies to the use of wireless devices in a specific organization or environment (an airport, for example), you are encouraged to ask for authorization to use the SonicWall wireless device before you turn it on.



**WARNING: Explosive Device Proximity Warning: Do not operate a portable transmitter (such as a wireless network device) near unshielded blasting caps or in an explosive environment unless the device has been modified to be qualified for such use.**



**WARNING: Use on Aircraft Caution: Regulations of the FCC and FAA prohibit airborne operation of radio-frequency wireless devices because their signals could interfere with critical aircraft instruments.**

## Radio Approvals

It is important to ensure that you only use your radio device in countries where the device is approved for use. To determine whether you are allowed to use your wireless network device in a specific country, check to see if the radio type number that is printed on the identification label of your device or listed on the radio approval list posted on the general SonicWall support site at: <https://www.sonicwall.com/support>.

## Radio or Television Interference

The SonicWall TZ570W wireless network device must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product. SonicWall Inc.

is not responsible for any radio or television interference caused by unauthorized modification of the devices included with this SonicWall Wireless device kit, or the substitution or attachment of connecting cables and equipment other than that specified by SonicWall Inc. The correction of interference caused by such unauthorized modification, substitution or attachment is the responsibility of the user. SonicWall Inc. and its authorized resellers or distributors are not liable for any damage or violation of government regulations that may arise from the user failing to comply with these guidelines.

## FCC ID: 2AKCZ-0F8

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause interference with radio and television reception.

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.

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.



**NOTICE:** The FCC regulations provide that changes or modifications not expressly approved by SonicWall Inc. could void your authority to operate this equipment.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Relocate the system with respect to the receiver.
- Move the system away from the receiver.
- Plug the system into a different outlet so that the system and the receiver are on different branch circuits.

If necessary, consult a representative of SonicWall Inc. or an experienced radio/television technician for additional suggestions.



**NOTE:** This SonicWall Wireless WLAN device must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product. Any other installation or use will violate FCC Part 15 regulations. Modifications not expressly approved by SonicWall could void your authority to operate the equipment.

The following information is provided on the device or devices covered in this document in compliance with FCC regulations:

- Product name:

- SonicWall  
TZ570W

- Regulatory Model:  
APL62-OF8

- Company name:

- SonicWall Inc. is the responsible party for this product. For an EMC compliance issue or a regulatory inquiry, please use the following contact information:

- SonicWall Inc.  
1033 McCarthy Blvd  
Milpitas, CA  
95035 408-  
745-9600

## FCC, Class B

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause interference with radio and television reception.

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.



**NOTICE:** The FCC regulations provide that changes or modifications not expressly approved by SonicWall Inc. could void your authority to operate this equipment.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the antenna of the radio/television receiver.
- Increase the separation between this equipment and the radio/television receiver.
- Plug the system into a different outlet so that the system and the receiver are on different power mains branch circuits.
- Consult a representative of SonicWall Inc. or an experienced radio/television technician for additional suggestions.

## Radiation Exposure Statement (FCC)



**CAUTION:** The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, this device should be used in such a

manner that the potential for human contact during normal operation is minimized. This device has been evaluated for and shown compliant with the FCC RF Exposure limits under mobile exposure conditions (antennas are greater than 20 cm from a person's body). Details of the authorized configurations can be found at <https://fjallfoss.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> by entering the FCC ID number on the device.

## United States of America Authorized Channels

SonicWall declares that the APL62-OF8 (FCC ID: 2AKCZ-OF8) when sold in the USA is limited to CH1-CH11 by specified firmware controlled in the USA.



**CAUTION:** This device is restricted to indoor use due to its operation in the 5.15GHz to 5.25GHz frequency range. The FCC requires this product to be used indoors for the frequency range 5.15GHz to 5.25GHz to reduce the potential for harmful interference to co-channel Mobile Satellite systems.

High power radars are allocated as primary users of the 5.25GHz to 5.35GHz and 5.65GHz to 5.85GHz bands. These radar stations can cause interference with this device or can cause damage to this device, or both.

The APL62-OF8 device has been designed to operate with an antennas having a maximum gain of 3.19 dBi 2.4 GHz and 5.85 dBi for 5 GHz with R-SMA connector. Antenna having a higher gain is strictly prohibited. The required antenna impedance is 50 ohms..

Dynamic Frequency Selection (DFS) is required on all Wireless LAN Master devices (usually Access Points) and Wireless LAN Clients (usually Wireless NICs) that operate within 5470MHz – 5725MHz. SonicWaves that have these frequencies and channels enabled in this range comply with North American and International DFS requirements. Some frequencies are blocked, and cannot be selected by the user per each specific regional approval.

Specific to the USA, at the urging of the Federal Communication Commission (FCC) user/installers should avoid operation frequencies near Terminal Doppler Weather Radar (TDWR) systems frequencies 5600-5650 MHz when installing a SonicWave within 35km of line-of-site of TDWR sites. If TDWR is within 35km the SonicWave, frequencies should be set to at least 30MHz above or below any TDWR system frequency at that site. TDWR locations and specific frequencies used can be found at <http://spectrumbridge.com/udrs/home.aspx>. Detailed current and background information can be found at [http://www.wispa.org/?page\\_id=2341](http://www.wispa.org/?page_id=2341).

# Consignes de sécurité pour l'installation et l'utilisation

- Exigences relatives à l'installation
- Raccordements
- Informations sur l'alimentation électrique

## Exigences relatives à l'installation



**AVERTISSEMENT:** Les conditions suivantes sont requises pour une installation correcte:

- 1 Procédez au montage dans un endroit à l'abri des rayons du soleil et des sources de chaleur. Une température ambiante maximale de 40 °C (104 °F) est recommandée.
- 2 Faites passer les câbles à une distance raisonnable des lignes électriques, des luminaires à lampe fluorescente et des sources de bruit telles que les radios, les émetteurs et les amplificateurs à large bande.
- 3 Les cordons d'alimentation inclus sont uniquement approuvés pour une utilisation dans certaines régions et certains pays. Avant d'utiliser un cordon d'alimentation, vérifiez qu'il est bien conforme et approuvé aux normes de votre emplacement.
- 4 Veillez à éviter tout contact de l'appareil avec de l'eau ou une humidité excessive.
- 5 Veillez à ce que l'air puisse facilement circuler autour de l'unité et à travers les aérations prévues sur le côté de l'unité. Laissez un espace d'au moins 25,44 mm.
- 6 Soyez particulièrement vigilant quant au raccordement de l'équipement au circuit d'alimentation. Respectez pour cela les mentions figurant sur la plaque d'identification du produit. Ne surchargez pas le circuit.
- 7 Il est impératif d'assurer une mise à la terre fiable et constante de l'alimentation Électrique. Portez une attention particulière aux branchements d'alimentation autres que des connexions directes aux circuits de dérivation, telles les multiprises.
- 8 En cas d'utilisation d'un module SFP (émetteur-récepteur enfichable à faible encombrement), assurez-vous que l'équipement utilisé est certifié CEI 60825 et de Produit laser de classe 1.

## Raccordements

Tous les câbles Ethernet et RS232 (console) sont conçus pour la connexion à d'autres appareils à l'intérieur d'un même bâtiment. Ne reliez pas ces ports directement à des câbles de communication ou à d'autres câbles qui sortent du bâtiment dans lequel se trouve l'appareil SonicWall.

## Avertissement Relatif à la Batterie au Lithium

La batterie au lithium située à l'intérieur de l'appareil de sécurité SonicWall ne peut en aucun cas être remplacée par l'utilisateur. L'appareil SonicWall doit être renvoyé à un atelier agréé SonicWall pour qu'on y procède au remplacement de la batterie par un modèle identique ou équivalent recommandé par le fabricant. Si, pour une raison ou une autre, la batterie ou l'appareil de sécurité SonicWall doit être mis au rebut, respectez les consignes du fabricant de la batterie en la matière.

## Informations sur l'alimentation électrique

Si le bloc d'alimentation ne se trouve pas dans l'emballage de votre produit SonicWall, veuillez communiquer avec l'assistance technique de SonicWall au <https://www.sonicwall.com/support/contact-support> pour obtenir un remplacement. Ce produit ne doit être utilisé qu'avec un bloc d'alimentation homologué UL, portant la mention « I.T.E. LPS » et d'une puissance de sortie nominale de 12 V CC, 5,0 A minimum, TA : 40 °C minimum..

## Industry Canada Notices

This Class B digital apparatus complies with Canadian ICES-003.



**NOTICE:** The Industry Canada regulations provide that changes or modifications not expressly approved by SonicWall Inc. could void your authority to operate this equipment.

### Authorized Channels

SonicWall declares that the APL62-0F8 (IC: 22137-0F8) when sold in Canada is limited to CH1~CH11 by specified firmware controlled in the USA.

### Operation

This device complies with RSS-247 of the Industry Canada 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.

### Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

This device has been certified for use in Canada. Status of the listing in the Industry Canada's REL (Radio Equipment List) can be found at the following web address:

<http://www.ic.gc.ca/app/sitt/reitel/srch/nwRdSrch.do?lang=eng>.

Additional Canadian information on RF exposure also can be found at the following web address:

<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html>.

### Antenna

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This radio transmitter (IC: 22137-0F8) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Approved Antenna:

- Type: Dipole
- Maximum gain: 3.19 dBi 2.4 GHz and 5.85 dBi for 5 GHz with R-SMA connector
- Required impedance: 50 ohms.

### DFS band warnings

- (i) The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit;
- (iii) The maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

## Industrie Canada Notifications

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.



**AVIS:** Dans le cadre des réglementations d'Industrie Canada, vos droits d'utilisation de cet équipement peuvent être annulés si des changements ou modifications non expressément approuvés par SonicWall Inc. y sont apportés.

### Chaînes autorisées

SonicWall déclare que l' APL62-0F8 (IC: 22137-0F8) une fois vendu au Canada est limité à CH1~CH11 par spécifique microprogrammé aux Etats-Unis.

### Opération

Le présent appareil est conforme aux CNR d'Industrie 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.

## Déclaration de l'exposition aux radiations

Cet équipement est conforme à l'exposition aux rayonnements IC limites établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre le radiateur et votre corps.

Cet appareil est homologué pour l'utilisation au Canada. Pour consulter l'entrée correspondant à l'appareil dans la liste d'équipement radio (REL - Radio Equipment List) d'Industry Canada, rendez-vous sur:

<http://www.ic.gc.ca/app/sitt/reltel/srch/nwRdSrch.do?lang=eng>

Pour des informations canadiennes supplémentaires sur l'exposition FR, rendez-vous sur:

<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html>.

## Antenne

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent émetteur radio (IC: 1514B-0F8.) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Antenne Approuvée:

- Type: Dipole
- Gain maximum: 3,19 dBi pour 2,4 GHz et 5,85 dBi pour 5 GHz avec connecteur R-SMA
- Impédance requise: 50 ohms.

### Attention: (utilisation de bande DFS)

(i) Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) Le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;

(iii) Le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

# 安全須知與規範資訊

## 規格型號

型号

API 62-0F8

型号

TZ570W



**警告：** 正確安裝需要符合以下條件。

- 1 避免架設於陽光直射處和熱源所在位置。建議的最高環境溫度為 104° F (40° C)。
- 2 接線路徑請避開電線、日光燈具及雜訊來源，像是無線電、發射器和寬頻強波器
- 3 隨附的電源線經過核准，僅可用于特定的國家或地區。使用電源線前，請確認電源線的額定值且經過核准可用于您所在的地点。
- 4 確認不會有水或大量濕氣進入裝置。
- 5 裝置周圍的通風與流過裝置旁風扇的氣流不應受阻。建議的至少應相隔 1 吋 (25.44 公釐)。
- 6 務必考量設備與供電電路之間的連接。因應上述考量時，務必採用設備名牌上的額定值。  
勿讓電路過載。
- 7 必須保持電源的可靠接地。必須特別留意間接连接到分支電路的電源連接，例如接線板。
- 8 使用光纖小型可插拔 (SFP) 模組時，請確保它已經過 IEC 60825 認證，並屬於 1 類激光產品。

## 纜線連接

所有乙太網路與 RS232 (主控台) 線路，均為與建築物內其他設備連接所設計。請勿將這些連接埠直接连接到通訊接線，或连接到 SonicWall 設備所在建築物之外的其他接線上。

# 鋰電池警告

SonicWall 安全設備中所使用的鋰電池不可由使用者自行更換。SonicWall 安全設備必須送回 SonicWall 授權的服務中心更換同款或製造商建議的同等類型鋰電池。如因故必須處置電池或 SonicWall 安全設備，請遵循電池製造商的指示進行。

# 電源供應器資訊

若您的 SonicWall 產品包裝內缺少電源供應器，請聯絡 SonicWall 技術支援 <https://www.sonicwall.com/support/contact-support> 進行更換。本產品僅可使用 UL 所列標有「I.T.E.LPS」的電源供應器，其額定輸出電壓為 12V DC，最小 5.0 A，Tma：最低攝氏 40 度。

# (台灣 RoHS)/限用物質含有情況標示資訊

| 單元 Unit                                                       | 限用物質及其化學符號                                     |                      |                      |                                                      |                                              |                                                      |
|---------------------------------------------------------------|------------------------------------------------|----------------------|----------------------|------------------------------------------------------|----------------------------------------------|------------------------------------------------------|
|                                                               | Restricted substances and its chemical symbols |                      |                      |                                                      |                                              |                                                      |
|                                                               | 鉛<br>Lead<br>(Pb)                              | 汞<br>Mercury<br>(Hg) | 鎘<br>Cadmium<br>(Cd) | 六價鉻<br>Hexavalent<br>chromium<br>(Cr <sup>+6</sup> ) | 多溴聯苯<br>Polybrominated<br>biphenyls<br>(PBB) | 多溴二苯醚<br>Polybrominated<br>diphenyl ethers<br>(PBDE) |
| 機箱/檔板 (Chassis/Bracket)                                       | -                                              | ○                    | ○                    | ○                                                    | ○                                            | ○                                                    |
| 機械部件 (風扇、散熱器等)<br>(Mechanical parts (fan,<br>heatsink, etc.)) | -                                              | ○                    | ○                    | ○                                                    | ○                                            | ○                                                    |
| 電路板組件 (PCBA)                                                  | -                                              | ○                    | ○                    | ○                                                    | ○                                            | ○                                                    |
| 電線/連接器 (Cable/Connector)                                      | -                                              | ○                    | ○                    | ○                                                    | ○                                            | ○                                                    |
| 電源設備 (Power supply)                                           | -                                              | ○                    | ○                    | ○                                                    | ○                                            | ○                                                    |

|                                      |   |   |   |   |   |   |
|--------------------------------------|---|---|---|---|---|---|
| 配件 (Accessories)                     | - | ○ | ○ | ○ | ○ | ○ |
| 備註 1. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。 |   |   |   |   |   |   |
| 備註 2. “-” 係指該項限用物質為排除項目。             |   |   |   |   |   |   |



附註：有關本產品的其他法規須知與資訊可於

下方網站線上取得：

<https://www.sonicwall.com/support>

## BSMI 通告 (僅限於台灣)

電磁干擾(EMI)是任何訊號或放射，輻射在廣闊的空間指引電源或訊號導引，其將危及廣電導航功能或其它安全服務，或降低產品效能，阻擾，或重複地岔斷一個廣電通訊服務。無線電通訊服務包含但不限制於 AM/FM 業性廣播、電視、行動電話服務、雷達、空中交通管制、呼叫器及個人通訊服務(PCS)。這些已授權的廣電服務，和未授權的廣電服務，如同 WLAN 或 Bluetooth，與非有意輻射器如數位裝置，包括電腦系統，以適應電磁環境。電磁相容(EMC)是指數種電子裝置在一電子環境下共同正常運作的能力。儘管該電腦系統經設計及確定符合管制單位對於 EMI 的限制，但不能保證在進行某些特定的安裝時其不會產生干擾。

SonicWall™ 產品皆經過設計、測試並依其電磁環境分類。這些電磁環境的分類通常是指下列的定義：

- 乙類 產品是適用於住宅/家庭環境，但也可能使用於非住宅/非家庭的環境中。

註：住宅/家庭環境是代表此產品使用的 10 公尺距離內運用廣播與電視接收器接收訊號的可能環境範圍。

- 甲類 產品是適用於非住宅/非家庭的環境。甲類產品也可以運用於住宅/家庭環境，但可能會造成干擾且要求用戶來作適當且正確的測量。

如果該裝置確實干擾無線電通訊服務，這可以透過開關該裝置來確定，您可以嘗試下列一種或多種方式來修正干擾：

- 改變接收天線的方向。

- 改變電腦相對於接收器的位置。
- 將電腦移離接收器。
- 將電腦插在不同的插座，使電腦與接收器位於兩個不同的分支電路上。

如有必要，請洽詢 SonicWall 支援代表，或熟練的廣電技術人員或 EMC 技術人員，以便獲得其他建議。

資訊技術設備(ITE)，包括週邊裝置、擴充卡、印表機、輸入/輸出裝置、顯示器等，這些整合或連接到系統上的裝置應該與電腦系統的電磁環境類別匹配。

關於屏蔽訊號纜線的甲類通告：僅使用屏蔽訊號來連接周邊裝置至任何

SonicWall™ 裝置已減少廣電通訊服務可能的干擾。使用屏蔽纜線能確保維持適當的預設環境電磁相容分類。

使用屏蔽纜線能確保維持適當的預設環境電磁相容分類。對於並列印表機，SonicWall™ 供一條可用纜線。如果您想要，您可以從 SonicWall™ 全球網站 [www.sonicwall.com](http://www.sonicwall.com) 訂購一條纜線。

## 乙類

此裝置經測試證明符合 BSMI (經濟部標準檢驗局)之乙類裝置的限制規定。這些限制的目的是為了在住宅區安裝時，能防止有害的干擾，提供合理的保護。此設備會產生、使用並散發射頻能量；如果未遵照製造廠商的指導手冊來安裝和使用，可能會干擾無線通訊。但是，這並不保證在個別安裝中不會產生干擾。

# 低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

使用此產品時應避免影響附近雷達系統之操作。高增益指向性天線只得應用於固定式點對點系統。

電磁波曝露量 MPE 標準值  $1\text{mW}/\text{cm}^2$ ，送測產品實測值為  $0.479\text{mW}/\text{cm}^2$ 。本產品使用時建議應距離人體 20 cm。

# 低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

使用此產品時應避免影響附近雷達系統之操作。高增益指向性天線只得應用於固定式點對點系統。

電磁波曝露量 MPE 標準值  $1\text{mW}/\text{cm}^2$ ，送測產品實測值為  $0.479\text{mW}/\text{cm}^2$ 。本產品使用時建議應距離人體  $20\text{ cm}$ 。