



APPENDIX **B**

Declarations of Conformity and Regulatory Information

This appendix provides declarations of conformity and regulatory information for the Cisco Aironet 1520 series lightweight outdoor mesh access point.

This appendix contains the following sections:

- [Manufacturers Federal Communication Commission Declaration of Conformity Statement, page B-2](#)
- [Industry Canada, page B-3](#)
- [Declaration of Conformity for RF Exposure, page B-4](#)
- [European Community, Switzerland, Norway, Iceland, and Liechtenstein, page B-4](#)
- [Guidelines for Operating Cisco Aironet Access Points in Japan, page B-8](#)
- [VCCI Statement for Japan, page B-9](#)
- [Administrative Rules for Cisco Aironet Access Points in Taiwan, page B-9](#)
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Manufacturers Federal Communication Commission Declaration of Conformity Statement



Model:

AIR-LAP1522AG-A-K9

FCC Certification number:

AIR-RM1520G-A-K9:	LDK102064
AIR-RM1520A-A-K9:	LDK102063
AIR-RM1520-24-A-K9	LDK102064
AIR-RM1520-49-A-K9	LDK102067
AIR-RM1520-58-A-K9	LDK102068

Manufacturer:

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA

This device complies with Part 15 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.

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates, uses, and radiates radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference. However, there is no guarantee that interference will not occur. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician.

**Caution**

The Part 15 radio device operates on a non-interference basis with other devices operating at this frequency when using Cisco-supplied antennas. Any changes or modification to the product not expressly approved by Cisco could void the user's authority to operate this device.

**Caution**

To meet regulatory restrictions, the access point must be professionally installed.

**Note**

The use of the 4.9-GHz band requires a license and may be used only by qualified Public Safety operators as defined in section 90.20 of the FCC rules.

Industry Canada

IC Certification Number:

AIR-RM1520G-A-K9:	2461B-102064
AIR-RM1520A-A-K9:	2461B-102063
AIR-RM1520-24-A-K9	2461B-102064
AIR-RM1520-49-A-K9	2461B-102067
AIR-RM1520-58-A-K9	2461B102068

Canadian Compliance Statement

This Class B Digital apparatus meets all the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte les exigences du Règlement sur le matériel brouilleur du Canada.

This device complies with Class B Limits of Industry Canada. 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.

Cisco's access points are certified to the requirements of RSS-210 issue 5, RSP 100, and RSS 102 for spread spectrum devices.

Declaration of Conformity for RF Exposure

This access point product has been found to be compliant to the requirements set forth in CFR 47 Section 1.1307 addressing RF Exposure from radio frequency devices as defined in Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

Use is permitted with antenna gain not exceeding 17 dBi, as described in filing, with a minimum separation distance of 50 cm between the antenna and all persons during normal operation.

Use is permitted with antenna gain not exceeding 8 dBi, as described in filing, with a minimum separation distance of 20 cm between the antenna and all persons during normal operation.

European Community, Switzerland, Norway, Iceland, and Liechtenstein

Lightweight Access Point Models:

AIR-LAP1522G-E-K9

AIR-LAP1522AG-E-K9

Declaration of Conformity with Regard to the 1999/5/EC (R&TTE Directive)

This declaration is only valid for configurations (combinations of software, firmware, and hardware) provided and supported by Cisco Systems. The use of software or firmware not provided and supported by Cisco Systems may result in the equipment no longer being compliant with the regulatory requirements.

Česky [Czech]:	Toto zařízení je v souladu se základními požadavky a ostatními odpovídajícími ustanoveními Směrnice 1999/5/EC.
Dansk [Danish]:	Dette udstyr er i overensstemmelse med de væsentlige krav og andre relevante bestemmelser i Direktiv 1999/5/EF.
Deutsch [German]:	Dieses Gerät entspricht den grundlegenden Anforderungen und den weiteren entsprechenden Vorgaben der Richtlinie 1999/5/EU.
Eesti [Estonian]:	See seade vastab direktiivi 1999/5/EÜ olulistele nõuetele ja teistele asjakohastele sätetele.
English:	This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]:	Este equipo cumple con los requisitos esenciales así como con otras disposiciones de la Directiva 1999/5/CE.
Ελληνική [Greek]:	Αυτός ο εξοπλισμός είναι σε συμμόρφωση με τις ουσιώδεις απαιτήσεις και άλλες σχετικές διατάξεις της Οδηγίας 1999/5/EC.
Français [French]:	Cet appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la Directive 1999/5/EC.
Íslenska [Icelandic]:	Þetta tæki er samkvæmt grunnkröfum og öðrum viðeigandi ákvæðum Tilskipunar 1999/5/EC.
Italiano [Italian]:	Questo apparato é conforme ai requisiti essenziali ed agli altri principi sanciti dalla Direttiva 1999/5/CE.
Latviski [Latvian]:	Šī iekārta atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]:	Šis įrenginys tenkina 1999/5/EB Direktyvos esminius reikalavimus ir kitas šios direktyvos nuostatas.

121403

Nederlands [Dutch]:	Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van de Richtlijn 1999/5/EC.
Malti [Maltese]:	Dan l-apparat huwa konformi mal-htigiet essenzjali u l-provedimenti l-oħra rilevanti tad-Direttiva 1999/5/EC.
Magyar [Hungarian]:	Ez a készülék teljesíti az alapvető követelményeket és más 1999/5/EK irányelvben meghatározott vonatkozó rendelkezéseket.
Norsk [Norwegian]:	Dette utstyret er i samsvar med de grunnleggende krav og andre relevante bestemmelser i EU-direktiv 1999/5/EF.
Polski [Polish]:	Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE: 1999/5/EC.
Português [Portuguese]:	Este equipamento está em conformidade com os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/EC.
Slovensko [Slovenian]:	Ta naprava je skladna z bistvenimi zahtevami in ostalimi relevantnimi pogoji Direktive 1999/5/EC.
Slovenský [Slovak]:	Toto zariadenie je v zhode so základnými požiadavkami a inými príslušnými nariadeniami direktiv: 1999/5/EC.
Suomi [Finnish]:	Tämä laite täyttää direktiivin 1999/5/EY olennaiset vaatimukset ja on siinä asetettujen muiden laitetta koskevien määräysten mukainen.
Svenska [Swedish]:	Denna utrustning är i överensstämmelse med de väsentliga kraven och andra relevanta bestämmelser i Direktiv 1999/5/EC.

121404

This device complies with the EMC requirements (EN 60601-1-2) of the Medical Directive 93/42/EEC.

For 2.4 GHz radios, the following standards were applied:

- Radio: EN 300.328-1, EN 300.328-2
- EMC: EN 301.489-1, EN 301.489-17
- Safety: EN 60950

**Note**

This equipment is intended to be used in all EU and EFTA countries. Outdoor use may be restricted to certain frequencies and/or may require a license for operation. For more details, contact Cisco Corporate Compliance.

For 54 Mb/s, 5 GHz access points, the following standards were applied:

- Radio: EN 301.893
- EMC: EN 301.489-1, EN 301.489-17
- Safety: EN 60950

The following CE mark is affixed to the access point with a 2.4 GHz radio and a 54 Mb/s, 5 GHz radio:



Guidelines for Operating Cisco Aironet Access Points in Japan

This section provides guidelines for avoiding interference when operating Cisco Aironet access points in Japan. These guidelines are provided in both Japanese and English.

Lightweight Access Point Models:

AIR-LAP1522G-P-K9
AIR-LAP1522AG-P-K9

Japanese Translation

この機器の使用周波数帯では、電子レンジ等の産業・科学・医療用機器のほか工場の製造ライン等で使用されている移動体識別用の構内無線局（免許を要する無線局）及び特定小電力無線局（免許を要しない無線局）が運用されています。

- 1 この機器を使用する前に、近くで移動体識別用の構内無線局及び特定小電力無線局が運用されていないことを確認して下さい。
- 2 万一、この機器から移動体識別用の構内無線局に対して電波干渉の事例が発生した場合には、速やかに使用周波数を変更するか又は電波の発射を停止した上、下記連絡先にご連絡頂き、混信回避のための処置等(例えば、パーティションの設置など)についてご相談して下さい。
- 3 その他、この機器から移動体識別用の特定小電力無線局に対して電波干渉の事例が発生した場合など何かお困りのことが起きたときは、次の連絡先へお問い合わせ下さい。

連絡先 : 03-6434-6500

43768

English Translation

This equipment operates in the same frequency bandwidth as industrial, scientific, and medical devices such as microwave ovens and mobile object identification (RF-ID) systems (licensed premises radio stations and unlicensed specified low-power radio stations) used in factory production lines.

1. Before using this equipment, make sure that no premises radio stations or specified low-power radio stations of RF-ID are used in the vicinity.
2. If this equipment causes RF interference to a premises radio station of RF-ID, promptly change the frequency or stop using the device; contact the number below and ask for recommendations on avoiding radio interference, such as setting partitions.
3. If this equipment causes RF interference to a specified low-power radio station of RF-ID, contact the number below.

Contact Number: 03-6434-6500

VCCI Statement for Japan



Warning

This is a Class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

警告

Administrative Rules for Cisco Aironet Access Points in Taiwan

This section provides administrative rules for operating Cisco Aironet access points in Taiwan. The rules are provided in both Chinese and English.

Chinese Translation

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。

127048

English Translation

Administrative Rules for Low-power Radio-Frequency Devices

Article 12

For those low-power radio-frequency devices that have already received a type-approval, companies, business units or users should not change its frequencies, increase its power or change its original features and functions.

Article 14

The operation of the low-power radio-frequency devices is subject to the conditions that no harmful interference is caused to aviation safety and authorized radio station; and if interference is caused, the user must stop operating the device immediately and can't re-operate it until the harmful interference is clear.

The authorized radio station means a radio-communication service operating in accordance with the Communication Act.

The operation of the low-power radio-frequency devices is subject to the interference caused by the operation of an authorized radio station, by another intentional or unintentional radiator, by industrial, scientific and medical (ISM) equipment, or by an incidental radiator.

Operation of Cisco Aironet Access Points in Brazil

This section contains special information for operation of Cisco Aironet access points in Brazil.

Access Point Models

AIR-LAP1522G-N-K9

Regulatory Information

Figure B-1 contains Brazil regulatory information for the AIR-LAP1522G-N-K9 access point.

Figure B-1 *Brazil Regulatory Information*



Portuguese Translation

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

English Translation

This equipment operates on a secondary basis and consequently must accept harmful interference, including interference from stations of the same kind. This equipment may not cause harmful interference to systems operating on a primary basis.

Declaration of Conformity Statements

All the Declaration of Conformity statements related to this product can be found at the following URL:
<http://www.ciscofax.com>

Declaration of Conformity Statements for European Union Countries

The Declaration of Conformity statement for the European Union countries is listed on the following pages:



DECLARATION OF CONFORMITY
with regard to the **R&TTE Directive 1999/5/EC**
according to EN 45014

Cisco Systems Inc.
170 West Tasman Drive
San Jose, CA 95134 - USA

Declare under our sole responsibility that the product,

Product: *AIR-LAP1521G-E-K9*
Cisco Aironet 2.4 GHz 802.11b/g Outdoor Mesh Access Point
AIR-LAP1522AG-E-K9
Cisco Aironet Dual band 802/11a/b/g Outdoor Mesh Access Point

Options included: *AIR-RM1520G-E-K9*
Cisco Aironet 2.4 GHz IEEE802.11b/g Radio Module
AIR-RM1520A-E-K9
Cisco Aironet 5 GHz IEEE802.11a Radio Module
AIR-LAP1520 (Access Point platform without radio modules)

Fulfils the essential requirements of the Directive 1999/5/EC

The following standards were applied:

EMC EN 301.489-1 v1.4.1: 2002-08; EN 301.489-17 v1.2.1: 2002-09

Health & Safety EN60950-1: 2001; EN 50385: 2002

Radio EN 301.893 v 1.3.1: 2005-08; EN 300 328 v 1.6.1: 2004-11

The conformity assessment procedure referred to in Article 10.4 and Annex III of Directive 1999/5/EC has been followed.

The product carries the CE Mark:



Date & Place of Issue: 15 September 2007, San Jose

Signature:

Tony Youssef
Director Corporate Compliance
Cisco Systems, 125 West Tasman Drive
San Jose, CA 95134 - USA

Additional information:
EMC Test Report: Cisco Systems EDCS-594975
Safety Test Report: Cisco Systems EDCS-618531 & EDCS-610294
Radio Test Report: Cisco Systems EDCS-609668 & EDCS-609669

DofC 620840



Annex to DoFC# 620840
Information on Antennas and Power Levels

The AIR-LAP1522AG-E-K9 and the AIR-LAP1521G-E-K9 are equipped with N-type antenna connectors to allow the use of dedicated antennas for both the 2.4 GHz and the 5 GHz radio. (note that the AIR-LAP1521G-E-K9 is a 2.4 GHz only product)

This Declaration of Conformity also covers the antennas listed in table 1 as they were assessed in combination with the product against the essential requirements of the Directive 1999/5/EC.

For each of the antennas, the table lists the maximum conducted output power setting in order to result in a total eirp level below the applicable limit. Any combination of output power and antenna resulting in an eirp level above the regulatory limit is illegal and is outside the scope of this declaration.

This is an outdoor only product, as such the applicable power limit in the 5 GHz band is 1 W eirp.

Antennas not listed in the tables below are also outside the scope of this document.

Table 1: Dedicated antennas

Antenna P/N	Frequency Band ¹	Antenna Gain (dBi)	Maximum Power Setting (dBm)	Antenna Name
AIR-ANT2450V-N	2.4 GHz	5.5	15	Omni Antenna
AIR-ANT2480V-N	2.4 GHz	8	12	Omni Antenna
AIR-ANT5180V-N ²	5 GHz	8	22	Omni Antenna
AIR-ANT5114P-N ²	5 GHz	14	16	Patch Antenna
AIR-ANT5117S-N ²	5 GHz	17	10	Sector Antenna

Note 1: In France, the band 2454 – 2483,5 MHz shall not be used.

Note 2: These antennas are not applicable to the AIR-LAP1521G-E-K9 as this is a 2.4 GHz only product.

September 15, 2007

Tony Youssef
 Director Corporate Compliance

