

Huawei eSpace 8950 IP Phone

Compliance and Safety Manual

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About This Document

Intended Audience

This document describes Electromagnetic Compatibility (EMC) and other safety standards compliance and information about the eSpace 8950 IP Phone.






This document provides the general safety guidelines for handling, installing or operating the eSpace 8950 IP Phone.

This document is intended for:

- Maintenance engineers
- Technical support engineers
- Installation engineers
- Network planning engineers

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 DANGER	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.
 WARNING	Indicates a hazard with a medium or low level of risk, which if not avoided, could result in minor or moderate injury.
 CAUTION	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 TIP	Indicates a tip that may help you solve a problem or save time.
 NOTE	Provides additional information to emphasize or supplement important points of the main text.

Change History

Changes between document issues are cumulative. Therefore, the latest document issue contains all the changes in previous issues.

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1 Regulatory Compliance Statement

About This Chapter

This chapter provides the certification details for eSpace 8950.

2 Regulatory Compliance Information

About This Chapter

- 2.1 Regulatory Compliance Standards
- 2.2 European Regulatory Compliance
- 2.3 U.S.A Regulatory Compliance
- 2.4 Canada Regulatory Compliance
- 2.5 CISPR 22 Compliance
- 2.6 China RoHS hazardous substance table
- 2.7 Other Markets

2.1 Regulatory Compliance Standards

eSpace 8950 complies with the standards listed in Table 2-1.

Table 2-1 Regulatory compliance standards

Discipline	Standards
EMC	<ul style="list-style-type: none"> • CISPR 22 Class B • CISPR 24 • EN 55022 Class B • EN 55024 • ETSI EN 301 489-1 • ETSI EN 301 489-17 • AS/NZS CISPR 22 Class B • IEC 61000-3-2 • EN 61000-3-2 • IEC 61000-3-3 • EN 61000-3-3 • IEC 61000-6-1 • EN 61000-6-1 • IEC 61000-6-3 • EN 61000-6-3 • FCC Part 15 Subpart B Class B • ICES 003 Class B • ETSI EN 301 489-1 Class B • ETSI EN 301 489-17 • VCCI Class B
Safety	<ul style="list-style-type: none"> • IEC 60950-1 • EN 60950-1 • UL 60950-1 • CSA C22.2 No 60950-1 • AS/NZS 60950.1 • BS EN 60950-1
RF	<ul style="list-style-type: none"> • FCC Part 2 • FCC Part15 Subpart C • FCC Part15 Subpart E • RSS-GEN • RSS-210 • ETSI EN 300 328 • ETSI EN 300 893 • AS/NZS 4268

Discipline	Standards
Telecom	<ul style="list-style-type: none"> • FCC Part 68 (HAC) • IC CS-03 (CANADA HAC) • AS/ACIF S004 • AS/ACIF S040 • PTC 220
Health	<ul style="list-style-type: none"> • ICNIRP Guideline • 1999-519-EC • EN 62311 • OET Bulletin 65 • IEEE Std C95.1 • RSS-102
Environmental protection	<ul style="list-style-type: none"> • 2002/95/EC & 2011/65/EU (RoHS) • EC NO. 1907/2006 (REACH) • 2002/96/EC (WEEE)
<p>NOTE</p> <p>EMC: electromagnetic compatibility</p> <p>NEBS: Network Equipment Build Standard</p> <p>RF: radio frequency</p> <p>CISPR: International Special Committee on Radio Interference</p> <p>EN: European Standard</p> <p>ETSI: European Telecommunications Standards Institute</p> <p>CFR: Code of Federal Regulations</p> <p>FCC: Federal Communication Commission</p> <p>IEC: International Electrotechnical Commission</p> <p>AS/NZS: Australian/New Zealand Standard</p> <p>VCCI: Voluntary Control Council for Interference</p> <p>CNS: Chinese National Standard</p> <p>UL: Underwriters Laboratories</p> <p>CSA: Canadian Standards Association</p> <p>BS: British Standard</p> <p>IS: Indian Standard</p> <p>GR: General Requirement</p> <p>FDA: Food and Drug Administration</p> <p>BTS: Base Transceiver Station</p> <p>GSM: Global System for Mobile communications</p> <p>WLAN: wireless local area network</p> <p>ICNIRP: International Commission on Non-Ionizing Radiation Protection</p> <p>OET: Office of Engineering Technology</p> <p>IEEE: Institute of Electrical and Electronics Engineers</p> <p>RoHS: restriction of the use of certain hazardous substances</p>	

2.2 European Regulatory Compliance

eSpace 8950 complies with the following European directives and regulations.

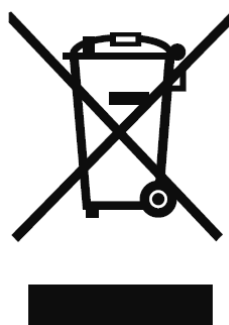
- 2004/108/EC (EMC)
- 2006/95/EC (low voltage)
- 2002/95/EC & 2011/65/EU (RoHS)
- EC NO. 1907/2006 (REACH)
- 2002/96/EC (WEEE)

eSpace 8950 complies with Directive 2002/95/EC, 2011/65/EU and other similar regulations from the countries outside the European Union, on the RoHS in electrical and electronic equipment. The device does not contain lead, mercury, cadmium, and hexavalent chromium and brominated flame retardants (Polybrominated Biphenyls (PBB) or Polybrominated Diphenyl Ethers (PBDE)) except for those exempted applications allowed by RoHS directive for technical reasons.

eSpace 8950 complies with Regulation EC NO. 1907/2006 (REACH) and other similar regulations from the countries outside the European Union. Huawei will notify to the European Chemical Agency (ECHA) or the customer when necessary and regulation requires.

eSpace 8950 complies with Directive 2002/96/EC on waste electrical and electronic equipment (WEEE). Huawei is responsible for recycling its end-of-life devices, and please contact Huawei local service center when recycling is required. Huawei strictly complies with the EU Waste Electrical and Electronic Equipment Directive (WEEE Directive) and electronic waste management regulations enacted by different countries worldwide. In addition, Huawei has established a system for recycling and reuse of electronic wastes, and it can provide service of dismantling and recycling for WEEE. By Huawei recycling system, the waste can be handled environmentally and the resource can be recycled and reused fully, which is also Huawei WEEE stratagem in the word. Most of the materials in eSpace 8950 are recyclable, and our packaging is designed to be recycled and should be handled in accordance with your local recycling policies.

In accordance with Article 11(2) in Directive 2002/96/EC (WEEE), eSpace 8950 were marked with the following symbol: a cross-out wheeled waste bin with a bar beneath as below:



2.3 U.S.A Regulatory Compliance

2.3.1 FCC Part 15

2.3.2 FCC Part 68

2.3.1 FCC Part 15

eSpace 8950 complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

If this device is modified without authorization from Huawei, the device may no longer comply with FCC requirements for Class B digital devices. In that a case, your right to use the device may be limited by FCC regulations. Moreover, you may be required to correct any interference to radio or television communications at your own expense.

This device 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 device generates, uses and radiates radio frequency energy. If it is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user may take one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Reinforce the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or TV technician for assistance.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) 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 any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

2.3.2 FCC Part 68

This device is hearing aid-compatible.

2.4 Canada Regulatory Compliance

2.4.1 CS-03 statement

This product meets the applicable Industry Canada technical specifications.

Le présent matériel est conforme aux spécifications techniques applicables d'Industrie Canada.

2.4.2 RSS-Gen statement

This device complies with Industry Canada licence-exempt RSS standard(s).

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'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.

2.4.3 RSS-210 statement:

This device complies with Industry Canada RSS-210. 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'Industrie Canada applicables aux appareils radio RSS-210. 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.

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.

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.

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.

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.

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.

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.

2.4.4 RSS-102 statement:

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Cet équipement est conforme à l'exposition aux rayonnements IC limites établies pour un environnement non contrôlé. Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre le radiateur et votre corps.

2.5 CISPR 22 Compliance

eSpace 8950 complies with CISPR 22 for Class B by the ITE.

2.6 China RoHS hazardous substance table

This eSpace 8950 described in this guide complies with the Chinese RoHS.

Table 2-2 China RoHS hazardous substance table

部件名称	产品中有害物质或元素的名称及含量					
	镉	铅	汞	六价铬	多溴联苯	多溴联苯醚
Frame	○	×	○	○	○	○
Alloy Parts	○	×	○	○	○	○
Power Adapter	○	×	○	○	○	○
Metal Fittings	○	○	○	○	○	○
PCBA	○	×	○	○	○	○
Capacitor	○	×	○	○	○	○
Other electronics	○	×	○	○	○	○
Screen	○	○	○	○	○	○
Solder	○	×	○	○	○	○
Cable	×	×	○	○	○	○

Plastic and Polymer	○	×	○	○	○	×
Label	○	○	○	○	○	○
Battery	○	○	○	○	○	○

2.7 Other Markets

For relevant compliance information/documentation for markets not mentioned above, please contact Huawei representative.

3 Safety Information

For safety purposes, read these safety precautions carefully and observe them during operation.

Basic Requirements

- Keep the device dry during storage, transportation, and operation.
- Prevent collision of the device during storage, transportation, and operation.
- Do not attempt to dismantle the device. In case of any fault, contact an authorized maintenance center for assistance or repair.
- Without prior written consent, no organization or individual is permitted to make any change to the structure or safety and performance design of the device.
- While using the device, observe all applicable laws, directives and regulations, and respect the legal rights of others.

Environment Requirements

- Place the device in a well-ventilated place. Do not expose the device to direct sunlight.
- Keep the device clean, free of dust and stains.
- Do not place the device near a water source or in a damp area.
- Place the device on a stable surface.
- Do not place any object on the top of the device. Reserve sufficient space around the device for heat dissipation.
- Do not place the device on or near inflammable materials such as foam.
- Keep the device away from heat source or flames, such as radiators or candles.
- Keep the device away from any household appliances that generate strong magnetic or electromagnetic fields, such as microwave ovens, refrigerators, or mobile phones.

Operation Requirements

- Do not allow children to play with the device or accessories. Swallowing the accessories may be fatal.
- Use only accessories (such as the power adapter and the battery) provided or authorized only by the manufacturer.

- Ensure that the device does not get wet. If water gets into the device, disconnect the power supply immediately and unplug all the cables connected to the device, such as the power cable and the telephone cable, and then contact an authorized maintenance center.
- When installing the phone, comply with Limited Power Source (LPS) and local electric security standards, and use the power supply of safety extra low voltage (SLEV).
- Before connecting or disconnecting any cable, shut down the device and disconnect the power supply.
- While connecting or disconnecting any cable, ensure that your hands are dry.
- Do not step on, pull, or bend any cable excessively; doing so may result in the cable may be damaged, leading to device malfunction.
- Do not use old or damaged cables.
- Keep the power plug clean and dry, to prevent electric shock or dangerous situations.
- During lightning, disconnect the device from the power supply, and unplug all the cables connected to the device, such as the power cable and the telephone cable, to avoid lightning strike.
- If the device is unused for a long time, disconnect the power supply and unplug the power plug.
- If smoke, sound, or smell is emitted from the device, stop using the device immediately, disconnect the power supply, and unplug the power supply and other cables. Contact an authorized maintenance center for advice and repair.
- Make sure that no objects (such as metal shavings) enter the device through the speaker.

Cleaning Requirements

- Before cleaning the device, stop using it, disconnect the power supply, and unplug all the cables connected to the device, such as the power cable and the telephone cable.
- Do not clean the device exterior with any cleaning solution or cleanser spray. Use a piece of soft cloth to clean the device shell.

LCD Usage Requirements

- Do not expose the LCD to direct sunlight.
- Do not press, scratch, or damage the LCD; do not place heavy objects on top of it.
- Do not stare at the display screen for a long time. This may harm your eyes or blur your vision.

LCD Cleaning Requirements

- According to the instructions given in the attached manual, use a piece of soft cloth to remove dust from the surface of the LCD.
- Do not clean the screen with volatile solvent, such as alcohol, benzene or dilution agent. Do not touch the screen with rubber or plastic material for a long time. This will deteriorate the surface gloss of the LCD.

Environmental Protection

Do not dispose of the device and the accessories in a garbage can. Dispose of the device according to the local regulations on disposing of packing materials, exhausted batteries and abandoned devices, and support the recycling activity.