

**Issue**

**Date**

**HUAWEI TECHNOLOGIES CO., LTD.**





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# 1 Regulatory Compliance Statement

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## About This Chapter

### 1.1 Declaration of Conformity to European Directives

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Figure 1-1 Declaration of Conformity to European Directives

### Declaration of Conformity

#### For EU Directives and Regulations

For the following equipment

**Product** : GPON Terminal

**Model/Trademark** : EchoLife HG8245H / HUAWEI

**Manufacturer's Name** : Huawei Technologies Co., Ltd.

**Manufacturer's Address** : Administration Building, Headquarters of  
Huawei Technologies Co., Ltd., Bantian,  
Longgang District, Shenzhen, 518129, P.R.C

is herewith confirmed to comply with the requirements which are set out in 1999/5/EC(R&TTE Directive), 2002/95/EC & 2011/65/EU (RoHS Directive), 2002/96/EC&2012/19/EU (WEEE Directive) and 2006/1907/EC(REACH Regulation). For the evaluation of the compliance with these Directives and Regulations, the following standards/requirements were applied:

Safety	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011
EMC	EN 55022:2010 EN 55024:2010 ETSI EN 301 489-1 V1.9.2:2011 ETSI EN 301 489-17 V2.1.1:2009
Radio & Health	ETSI EN 300 328 V1.7.1(2006-10) Council Recommendation 1999/519/EC EN 62311:2008
RoHS	2002/95/EC, 2011/65/EU, EN 50581: 2012
REACH	EC NO. 1907/2006
WEEE	2002/96/EC, 2012/19/EU

Responsible for making this declaration is the:

Manufacturer     Authorised representative established within the EU

Person responsible for making this declaration

**Name/Title** : Zhang Aiming    Regulation Compliance Manager

**Place/ Date** : Shenzhen, China    May 13,2013

# 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 Other Market

## 2.1 Regulatory Compliance Standards

HG8245H complies with the standards listed in [Table 2-1](#).

**Table 2-1** Regulatory compliance standards

Discipline	Standards
EMC	<ul style="list-style-type: none"> <li>• CISPR22 Class B</li> <li>• CISPR24</li> <li>• EN55022 Class B</li> <li>• EN50024</li> <li>• ETSI EN 300 386 Class B</li> <li>• CFR 47 FCC Part 15 Class B</li> <li>• FCC Part 2</li> <li>• FCC Part 22</li> <li>• FCC Part 24</li> <li>• ICES 003 Class B</li> <li>• AS/NZS CISPR22 Class B</li> <li>• IEC61000-3-2</li> <li>• IEC61000-3-3</li> <li>• EN61000-3-2</li> <li>• EN61000-3-3</li> <li>• ITU-T K.20</li> <li>• ITU-T K.44</li> <li>• ITU-T K.45</li> </ul>

Discipline	Standards
Safety	<ul style="list-style-type: none"><li>• IEC 60950-1</li><li>• IEC60950-21</li><li>• IEC60950-22</li><li>• IEC60065</li><li>• IEC/EN60215</li><li>• IEC/EN41003</li><li>• EN 60950-1</li><li>• UL 60950-1</li><li>• CSA C22.2 No 60950-1</li><li>• AS/NZS 60950.1</li><li>• BS EN 60950-1</li><li>• IS 13252</li><li>• GB4943</li><li>• GB8898</li></ul>
RF	<ul style="list-style-type: none"><li>• ETSI EN 300 328 (for 2.4 GHz WLAN product)</li></ul>
Health	<ul style="list-style-type: none"><li>• ICNIRP Guideline</li><li>• 1999-519-EC</li><li>• EN 50385</li><li>• OET Bulletin 65</li><li>• IEEE Std C95.1</li><li>• EN 60215</li></ul>
Environmental protection	<ul style="list-style-type: none"><li>• 2011/65/EU (RoHS)</li><li>• EC NO. 1907/2006 (REACH)</li><li>• 2002/96/EC (WEEE)</li></ul>



Discipline	Standards
<p><b>NOTE</b></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

HG8245H complies with the following European directives and regulations.

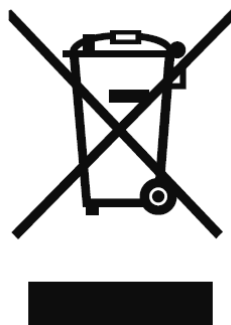
- 2004/108/EC (EMC)
- 2006/95/EC (low voltage)
- 1999/5/EC (R&TTE)
- 2011/65/EU (RoHS)
- EC NO. 1907/2006 (REACH)
- 2002/96/EC (WEEE)

HG8245H 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.

Product 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.

Product 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 product 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), products 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](#)

#### 2.3.1 FCC Part 15

HG8245H 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.

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 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 when the device is operated in a commercial environment.

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.

Operation of this device in a residential area is likely to cause harmful interference. In this case the user will be requested to correct the interference at his or her own expense.

Any changes or modifications not expressly approved by the grantee of his device could void the user's authority to operate the device.

In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm during normal operation.

## 2.4 China RoHS hazardous substance table

This products described in this guide complies with the Chinese RoHS

EMC Class A declaration for China

Applies to the systems that complies with the EMC Directive standard EN 55022 Class A.



### WARNING

此产品为 A 级，在生活环境中，该产品可能会造成无线电干扰。  
在这种情况下，可能需要用户对其干扰采取切实可行的措施。

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	○	○	○	○	○	○

## 2.5 India RoHS hazardous substance table

This products described in this guide complies with the Chinese RoHS

Part Descriptions	Restricted Substances in Product					
	Cd	Pb	Hg	Cr(VI)	PBBs	PBDEs

Frame	○	×	○	○	○	○
Alloy Parts	○	×	○	○	○	○
Power Adapter	○	×	○	○	○	○
Metal Fittings	○	○	○	○	○	○
PCBA	○	×	○	○	○	○
Capacitor	○	×	○	○	○	○
Other electronics	○	×	○	○	○	○
Screen	○	○	○	○	○	○
Solder	○	×	○	○	○	○
Cable	×	×	○	○	○	○
Plastic and Polymer	○	×	○	○	○	×
Label	○	○	○	○	○	○
Battery	○	○	○	○	○	○

## 2.6 Other Markets

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