

# Europe - EU Declaration of conformity

According to RED directive 2014/53/EU

## Manufacturer:

Manufacturer:	Name:	Nexelec
	Address:	Rue Léon Griffon – Park Avenue 16C 56890 Saint-Avé France
Equipment:	Model numbers:	X580, X520, X530, X590, X565 (X5 range)
	Marketing names:	FEEL, RISE, WAVE, MOVE, SIGN
	Operating Frequencies:	LoRaWAN 868 MHz, Sigfox RC1

Hereby, Nexelec declares that this X5 range is in compliance with the essential requirements and other relevant provisions of following directives:

- RED directive 2014/53/EU
- ROHS Recast Directive 2011/65/EU.

The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the CE marking:

### Safety and Health:

**EN 62368-1:2020+A11:2020** Audio/video, information and communication technology equipment. Safety requirements.

### EMC:

**EN 301 489-1 V2.1.1 (2019-03)** ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU.

**EN 301 489-1 V2.2.3 (2019-11)** ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.

### RF Spectrum Efficiency:

**EN 300 220-1 V3.1.1 (2017-02)** Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz

**EN 300 220-2 V3.2.1 (2018-06)** Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz

**EN 62479-2010** Assessment of the compliance of low-power electrical and electronic equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz - 300 GHz)

**EN IEC 62311:2020** Assessment of electronic and electrical equipment in relation to restrictions on human exposure to electromagnetic fields (0 Hz to 300 GHz)

Additional Compliance

REACH



Signed for and on behalf of:	Nexelec
Place:	Saint-Avé
Date:	June 26 <sup>st</sup> , 2024
Name:	Frank GREARD
Title:	CEO

**Français [French]** - Par la présente Nexelec déclare que la gamme X5 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/EU et ROHS 2011/65/CE. La déclaration de conformité UE originelle est disponible sur <http://www.support.nexelec.fr>

A handwritten signature in black ink, appearing to be 'FG' or similar initials.

# UK Declaration of conformity

According to Radio Equipment Regulations 2017

Manufacturer:

Manufacturer:	Name:	Nexelec
	Address:	Rue Léon Griffon – Park Avenue 16C 56890 Saint-Avé France
Equipment:	Model numbers:	X580, X520, X530, X590, X565 (X5 range)
	Marketing names:	FEEL, RISE, WAVE, MOVE, SIGN
	Operating Frequencies:	LoRaWAN 868 MHz, Sigfox RC1

Hereby, Nexelec declares that this NHC01 is in compliance with the essential requirements and other relevant provisions of following directives:

- (S.I. 2017/1206) Radio Equipment Regulations 2017
- (S.I. 2012/3032) The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the UKCA marking:

Safety and Health:

**EN 62368-1:2020+A11:2020**

Audio/video, information and communication technology equipment. Safety requirements.

EMC:

**EN 301 489-1 V2.1.1 (2019-03)**

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU.

**EN 301 489-1 V2.2.3 (2019-11)**

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.

RF Spectrum Efficiency:

**EN 300 220-1 V3.1.1 (2017-02)**

Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz

**EN 300 220-2 V3.2.1 (2018-06)**

**EN 300 330 V2.1.1 (2017-02)**

Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz

**EN 62479-2010**

Assessment of the compliance of low-power electrical and electronic equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz - 300 GHz)

**EN IEC 62311:2020**

Assessment of electronic and electrical equipment in relation to restrictions on human exposure to electromagnetic fields (0 Hz to 300 GHz)

Additional Compliance

REACH



Signed for and on behalf of:

Place:

Date:

Name:

Title:

Nexelec

Saint-Avé

June 26<sup>st</sup>, 2024

Frank GREARD

CEO

**Français [French]** - Par la présente Nexelec déclare que la gamme X5 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/EU et ROHS 2011/65/CE. La déclaration de conformité UE originelle est disponible sur <http://www.support.nexelec.fr>

A handwritten signature in black ink, appearing to be the initials 'FG' or similar, written in a cursive style.

# United States of America – FCC Statements

## **FCC ID**

The X5 range has for FCC id: 2BCCX-X5XXLS

## **FCC Statement**

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.

## **FCC Radiation Exposure Statement**

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

This equipment complies with Part 15 of the FCC 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.

## **Caution!**

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

---

# Canadian Compliance Statement

**IC ID**

The X5 range has for IC id: 32050-X5XXLS

**IC Statement**

This device complies with Industry Canada license-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.

Cet appareil est conforme aux normes CNR exemptes de licence d'Industrie Canada. Le fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles susceptibles de provoquer un fonctionnement non souhaité de l'appareil.

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

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

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.