



Number: 252340141/AA/00
Issue Date: 02 September 2025
Expiration Date: -
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UKCA TYPE EXAMINATION CERTIFICATE (Module B)

In compliance with the procedure specified in M009, Kiwa Ltd. declares as approved body for UKCA 0558 for the Radio Equipment Regulations 2017, that the stated product, complies with the essential requirements, in accordance with part 2 (chapter 1) of Radio Equipment Regulations, as indicated under Annex 1 of this certificate, based on the applicable Technical Standards and Specifications as listed under Annex 2 of this Certificate.

Product description:	Dual-Band Wireless BE7200 XGS-PON VoIP Gateway
Trademark:	ZYXEL
Type designation:	PE5301-01
Variants:	See Annex 3

This certificate is granted to manufacturer:

Name:	Zyxel Communications Corporation
Address:	No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075, Taiwan, R.O.C
City:	Hsinchu
Country:	Taiwan

This certificate remains valid as long as the stated product stays in compliance with the essential requirements of the Radio Equipment Regulations 2017.

This certificate has THREE Annexes.

Signed on behalf of Kiwa Ltd.
(UK Approved Body Number 0558)

Raoul Tolud

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Chamber of commerce
3473056

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Annex 1 to certificate 252340141/AA/00

General Conditions

For each product to which this type examination relates, it has complied to the essential requirements as follows:

Article 6.1

Radio equipment shall be constructed so as to ensure:

- C (a) the protection of health and safety of persons and of domestic animals and the protection of property, including the objectives with respect to safety requirements set out in the Electrical Equipment (Safety) Regulations 2016,
- C (b) an adequate level of electromagnetic compatibility as set out in the Electromagnetic Compatibility Regulations 2016.

Article 6.2

- C Radio equipment must be constructed so that it both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.

Legend

- | | | |
|----|---|-------------------------------------|
| C | = | Conform |
| NC | = | Not Conform |
| NA | = | Not applicable (for this equipment) |
| NP | = | Not performed (in this statement) |

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Annex 1 to certificate 252340141/AA/00

- This UKCA-type examination certificate is limited to the Radio Equipment Regulations.
- This UKCA-type examination certificate is part of the Conformity Assessment procedure Modules B and C, as described in annex III of the Radio Equipment Regulations.
- The validity of this UKCA type examination certificate is limited to products, which are equal to the one(s) assessed for this type Examination.
- The manufacturer has to draw up and issue a self Declaration of Conformity, declaring that the product(s) described in this UKCA-type examination certificate, are in compliance with Radio Equipment Regulations 2017 and any other applicable harmonization legislation.
- Each product shall be identified by means of type, batch and/or serial numbers and the name of the manufacturer and/or importer.
- If the equipment is to be modified, Kiwa Ltd. shall be notified immediately. Depending on the modifications, Kiwa Ltd. may have additional examinations carried out in consultation with the applicant.
- Enforcement of a new amending regulation voids the validity of this UKCA-type examination certificate.
- In case any referenced standard in this UKCA-type examination certificate is withdrawn or superseded and the presumption of conformity with the essential requirements has ceased, investigation by Kiwa Ltd. is needed to determine the validity of this type examination.

Remarks and observations

The following conditions are applicable:

Model difference: PE5301-01 (With XGSPON WAN); EE5301-00 (With 10G WAN, SFP+).

Device is restricted to indoor use only when operating within 5150-5350 MHz frequency range.

Device supports MIMO and TPC function.

DFS: Master

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Documentation lodged for this type examination

Test Reports:

- Sporton International Inc. Hsinchu Laboratory: EH4N0115, 15 January 2025
- Sporton International Inc. Hsinchu Laboratory: EH532828, 08 August 2025
- Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch - Hsin Chu Laboratory: REBEFK-WTW-P24070658, 11 August 2025
- Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch - Hsin Chu Laboratory: REBEFK-WTW-P24070658-1, 11 August 2025
- Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch - Hsin Chu Laboratory: REBEFK-WTW-P24070658-2, 11 August 2025
- Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch - Hsin Chu Laboratory: REBEFK-WTW-P24070658-3, 11 August 2025
- Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch - Hsin Chu Laboratory:
- Wendell Electrical Testing Lab: WL24G2602-L0, 25 November 2024
- Wendell Electrical Testing Lab: WL25C2511-L0, 15 May 2025
- Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch - Hsin Chu Laboratory: MEBEFK-WTW-P24070658-1, 11 August 2025

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Internal photos
- External photos
- Manual
- Label and label placement
- Risk assessment
- Packaging information

Technical Standards and Specifications

The product is compliant with:

BS EN 55032:2015+A1:2020	December, 2020	
BS EN 55035:2017+A11:2020	May, 2021	
BS EN IEC 62368-1:2020+A11:2020	March, 2020	
EN 300 328	July, 2019	V2.2.2
EN 301 489-1	November, 2019	V2.2.3
EN 301 489-17	September, 2024	V3.3.1
EN 301 893	May, 2017	V2.1.1
EN 50385	October, 2017	
EN IEC 62311	January, 2020	
IR 2030 - UK Interface Requirements 2030	March, 2023	

Technical features and characteristics

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The product includes the following features and characteristics:

IEEE 802.11b/g/n/ac/ax/be (20/40 MHz)

- Operating frequency range: 2412-2472 MHz (13/9 channels)
- Maximum output power: 19.78 dBm EIRP average (calculated)
- Maximum antenna gain: 0 dBi

IEEE 802.11a/n/ac/ax/be(20/40/80/160 MHz)

- Operating frequency range: 5180-5250 MHz (4/2/1/1 channels)
- Maximum output power: 22.46 dBm EIRP average (calculated)
- Maximum antenna gain: 0.56 dBi

IEEE 802.11a/n/ac/ax/be(20/40/80/160 MHz)

- Operating frequency range: 5260-5320 MHz (4/2/1/1 channels)
- Maximum output power: 22.35 dBm EIRP average (calculated)
- Maximum antenna gain: 0.56 dBi

IEEE 802.11a/n/ac/ax/be(20/40/80/160 MHz)

- Operating frequency range: 5500-5700 MHz (11/5/2/1 channels)
- Maximum output power: 29.48 dBm EIRP average (calculated)
- Maximum antenna gain: 0.56 dBi

SRD Equipment

- Operating frequency range: 5745-5825 MHz (5/2/1 channels)
- Maximum output power: 22.49 dBm EIRP average (calculated)
- Maximum antenna gain: 0.94 dBi

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Annex 3 to certificate 252340141/AA/00

The product as described in this type examination includes the following type designations:

- | | |
|------------------------|---|
| - Product description: | Dual-Band Wireless BE7200 XGS-PON VoIP Gateway |
| - Trademark: | ZYXEL |
| - Type designation: | PE5301-01 |
| | |
| - Product description: | Dual-Band Wireless BE7200 10G Ethernet VoIP Gateway with SFP+ |
| - Trademark: | ZYXEL |
| - Type designation: | EE5301-00 |