



Number: 222340196/AA/00

Issue Date: 12 October 2022

Expiration Date: -

Page 1 of 6

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 Regulation 2017, that the stated product, complies with the essential requirements, in accordance with part 2 (chapter 1) of Radio Equipment Regulation, 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: **AUTOPILOT**
Trademark: **Furuno**
Type designation: **NAVpilot-300**

This certificate is granted to manufacturer:

Name: **Furuno Electric Co., Ltd.**
Address: **9-52 Ashihara cho**
City: **662-8580 Nishinomiya**
Country: **JAPAN**

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

This certificate has THREE Annexes.

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

Mark Chung
Product Assessor



0217

UKCA Type Examination Certificate (page 2 of 6)

Annex 1 to certificate 222340196/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 Directive 2014/35/EU, but with no voltage limit applying;
- C (b) An adequate level of electromagnetic compatibility as set out in Directive 2014/30/EU.

Article 6.2

- C Radio equipment shall be so constructed 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) |

UKCA Type Examination Certificate (page 3 of 6)

Annex 1 to certificate 222340196/AA/00

- This UKCA-type examination certificate is limited to the Radio Equipment Regulation.
- This UKCA-type examination certificate is part of the Conformity Assessment procedure Module B, as described in annex III of the Radio Equipment Regulation.
- 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 Regulation 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 directive 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:

IEC 60945 ed. 4 including Corrigendum 1 (2008) is partly used: Clause 11.2.

Device consists of control unit (FAP-3011), processor unit (FAP-3012) and gesture remote controller (GC-001).

UKCA Type Examination Certificate (page 4 of 6)

Annex 2 to certificate 222340196/AA/00

Documentation lodged for this type examination

Test Reports:

- Labotech International Co., Ltd.: LIC 12-17-014, 24 April 2017
- Labotech International Co., Ltd.: LIC 12-17-015, 24 April 2017
- Labotech International Co., Ltd.: LIC 12-17-016, 24 April 2017
- Labotech International Co., Ltd.: LIC 12-17-017, 24 April 2017
- Bureau Veritas Consumer Products Services Ltd.: RE130418C02B , 24 July 2017
- Bureau Veritas Consumer Products Services Ltd.: SE130418C02B , 24 July 2017
- Labotech International Co., Ltd.: LIC 12-20-043, 27 April 2020
- Labotech International Co., Ltd.: LIC 12-20-079, 11 June 2020
- Labotech International Co., Ltd.: LIC 12-20-135, 26 September 2020
- Labotech International Co., Ltd.: LIC 12-21-101, 03 August 2021
- Labotech International Co., Ltd.: LIC 12-21-102, 03 August 2021
- PHOENIX TESTLAB GmbH: F181323E4, 28 September 2018
- PHOENIX TESTLAB GmbH: F181323E5, 28 September 2018
- PHOENIX TESTLAB GmbH: F200952E1, 22 October 2020

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Internal photos
- External photos
- Label and label placement
- Test setup photos

Technical Standards and Specifications

The product is compliant with:

EN 301 489-1	February, 2017	V2.1.1
EN 300 328	July, 2019	V2.2.2
EN 300 330	February, 2017	V2.1.1
EN 301 489-17	February, 2017	V3.1.1
EN 301 843-1	November , 2017	V2.2.1
EN 60950-1	2006	
EN 60950-1/A1	March, 2010	
EN 60950-1/A11	March, 2009	
EN 60950-1/A12	February, 2011	
EN 60950-1/A2	August, 2013	
EN 62479	September, 2010	
IEC 60945	August, 2002	Edition 4
IEC 62368-1	October, 2018	Ed. 3.0

Technical features and characteristics

UKCA Type Examination Certificate (page 5 of 6)

Annex 2 to certificate 222340196/AA/00

The product includes the following features and characteristics:

Bluetooth LE

- Operating frequency range: 2402-2480 MHz (40 channels)
- Maximum output power: 5 dBm eirp calculated
- Maximum antenna gain: 0.5 dBi

UKCA Type Examination Certificate (page 6 of 6)

Annex 3 to certificate 222340196/AA/00

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

- | | |
|------------------------|--------------|
| - Product description: | AUTOPILOT |
| - Trademark: | Furuno |
| - Type designation: | NAVpilot-300 |