

EU-TYPE EXAMINATION (MODULE B) CERTIFICATE

Radio Equipment Directive (RED) 2014/53/EU

PHOENIX TESTLAB
Notified Body Number **0700**



This is to certify that:
PHOENIX TESTLAB did undertake the relevant type examination procedures for the radio equipment identified below which was found to be in compliance with the essential requirements of Radio Equipment Directive (RED) 2014/53/EU subject to any conditions in the annex attached hereto.

Certificate No.	21-110758
Manufacturer	Hemisphere GNSS (USA) Inc.
Address	8515 E. Anderson Drive, Scottsdale, AZ 85255 USA
Product Description	DGPS Beacon Receiver Module
Brand Name / Model Name	Hemisphere / SBX-4

The radio equipment meets the following essential requirements

Article 3.1 a): Health and Safety	Not assessed
Article 3.1 b): Electromagnetic Compatibility	Not assessed
Article 3.2: Effective and Efficient Use of Radio Spectrum	Conform

Date of issue:	2021-07-06	Expiry date:	2026-07-05
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This certificate remains valid unless cancelled or revoked, provided the conditions in the attached annex are complied with. The conditions for the validity of this certificate are listed in the Annex.

The attached Annex forms part of this certificate. This certificate consists of 3 pages.



Signed by Klaus Knörig
Notified Body

Annex

Technical description

Frequency Range	283.5 kHz to 325.0 kHz (receive-only)
Demodulation	Minimum shift keying (MSK)
Hardware Version	A
Software Version	V0.004

Approval documentation

External / Internal Photos	Photos contained in Integrator Guide
Manual	Integrator Guide SBX-4 OEM Board, Document No. 875-0176-000, Revision: B2, January 12, 2018
Technical Documentation	Block Diagram, Schematics, Parts Placement, Parts List, SBX-4 Data Sheet Rev. 09/15, PCB Assembly Drawings
SBX-4 Filter Comparison	Hemisphere SBX-4B Filter Report, 2021-03-30
EU Declaration of Conformity	Draft Declaration of Conformity, Document No. HGNSS-DoC-002-19
Further Documents	SBX-4 Risk Assessment RED




Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
IEC 61108-4 Ed. 1 (2004-07)	BSH	BSH/4615/4120131/05, 2006-07-12
IEC 61108-4 Ed. 1 (2004-07)	BSH	BSH/454.GNSS/Hemisphere R330, 2021-06-30
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008)	Electronics Test Centre MPB Technologies Inc.	h10e18a155, Release1, 2018-04-06
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008)	Electronics Test Centre MPB Technologies Inc.	h10p21a144, Release 2, 2021-03-04
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008)	Electronics Test Centre MPB Technologies Inc.	h10e21a144-IEC945, Release 1, 2021-03-24

Limitations / Restrictions

- None -

Notes

1. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with PHOENIX TESTLAB.
2. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/them being placed on the market.
3. The manufacturer shall take all measures necessary so that the manufacturing process and its monitoring ensure conformity of the manufactured radio equipment with the approved type described in the EU-type examination certificate and with the requirements of Directive 2014/53/EU that apply to it.
4.  The manufacturer shall affix the CE marking to each item of radio equipment that is in conformity with the type described in the EU-type examination certificate and satisfies the applicable requirements of the Directive.
5. The manufacturer shall draw up a written EU declaration of conformity for each radio equipment type and keep it at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU declaration of conformity shall identify the radio equipment type for which it has been drawn up. A copy of the EU declaration of conformity shall be made available to the relevant authorities upon request.

