

EU-Type Examination Certificate

Certificate No.: 1622 - RED - 450818

In compliance with Radio Equipment Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment, this certificate applies to the product(s)

Product: VHF Marine Radio
Model: HM160 MAX

Placed on the market under the name or trade mark of

Shenzhen Jiuzhou Himunication Technology Co., Ltd
7th Floor, building 13, Run Dong Sheng Industrial Park, National Road 107,
Longzhu community, Xixiang, Baoan district, Shenzhen, China

This certificate attest that all provisions concerning the assessment and verification of performance described in the standard(s)

Art. 3.1a): EN 62368-1:2014+A11:2017
EN 62209-2:2010/A1:2019
EN 50566:2017

Art. 3.1b): ETSI EN 301 843-1 V2.2.0
ETSI EN 301 843-2 V2.2.0

Art. 3.2): ETSI EN 300 698 V2.3.1
ETSI EN 301 178 V2.2.2

as per Annex III (Module B) for the performance set out in this certificate, are applied.

Certificate revision: 1.0
TCF No.: 450818

For NEMKO (Notified Body 1622)

Authorized Signatory



Jin Xu, Senior Technical Assessor

Valid from 14 / 10 / 2021

Day / Month / Year

This certificate has been granted by Nemko North America, Inc. 303 River Road, Ottawa, Ontario, K1V 1H2, Canada

This certificate remains valid, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market.

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Nemko for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel in the establishment or issuance of this document, and in connection with any activities for which it may provide

ANNEX 1 – PRODUCT SPECIFICATIONS

PRODUCT DESCRIPTION

Equipment type:	Portable radiotelephone equipment
Model/type:	HM160 MAX Adapter model: MR-0502000EU, Input: 100-240d.c., 50/60Hz, 0.3A, Output: 5.0Va.c., 2.0A, 10.0W Should microphone model: HS160 Ear microphone model: HS130 Upgrade line model: PC130 Charging cabel model: PC160MAX
Brand/trade name:	HIMUNICATION
Supply voltage:	DC 3.7V from Battery
Rated power:	-
Hardware version:	0.23
Software version:	1.32

TECHNICAL CHARACTERISTICS

Transmitter type:	-
Intended purpose:	Maritime mobile service
Frequency range:	TX: 156.025 MHz - 161.6 MHz RX: 156.3 MHz - 162.00 MHz
Transmit power:	6 Watts / 3 Watts / 1 Watt
Modulation type:	FM, FSK
Number of channels:	-
Channel separation:	25 kHz
Antenna type:	The spiral antenna
Maximum antenna gain:	-

MANUFACTURER

Name: Shenzhen Jiuzhou Himunication Technology Co., Ltd
Address: 7th Floor, building 13, Run Dong Sheng Industrial Park, National Road 107,
Longzhu community, Xixiang, Baoan district, Shenzhen, China

ADDITIONAL INFORMATION

None.

ANNEX 2 - SCHEDULE OF APPROVAL

ASSESSED STANDARDS

- ☒ Protection of Health and Safety, according to Article 3(1)(a).

Standards: EN 62368-1:2014+A11:2017
EN 62209-2:2010/A1:2019
EN 50566:2017

- ☒ Electromagnetic Compatibility (EMC), according to Article 3(1)(b).

Standards: ETSI EN 301 843-1 V2.2.0
ETSI EN 301 843-2 V2.2.0

- ☒ Radio Spectrum Use, according to Article 3(2).

Standards: ETSI EN 300 698 V2.3.1
ETSI EN 301 178 V2.2.2

- ☐ Special Radio Features, according to Article 3(3)(a)-(f).

Standards: N/A

APPLICATIONS/LIMITATIONS

None

MARKING OF PRODUCT

The Manufacturer and Type Designation shall be applied to the product in a visible location.
The equipment shall carry the CE marking of the European Union.

TYPE EXAMINATION DOCUMENTATION

Test report(s)

- EMC test report by Shenzhen Huatongwei International Inspection Co., Ltd.
Test Report Number: CHTEW21090063, issue on September 15, 2021
- Radio test report by Shenzhen Huatongwei International Inspection Co., Ltd.
Test Report Number: CHTEW21090061, CHTEW21090062 all issue on September 15, 2021
- Safety test report by Shenzhen Huatongwei International Inspection Co., Ltd.
Test Report Number: CHTSE21090087, issue on September 15, 2021
- Health test report by Shenzhen Huatongwei International Inspection Co., Ltd.
Test Report Number: CHTEW21090056, issue on September 15, 2021

Additional documentation

- RED technical file by **Shenzhen Jiuzhou Himunication Technology Co., Ltd**

ADDITIONAL INFORMATION

None.

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