

EU-Type Examination Certificate

1622 - RED - 191403

In compliance with Directive (EU) No 2014/53 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 (RED), this certificate applies to the product(s)

Product: Fixed Marine Radio
Model: TS18S, TS18, TS18C, TS18 Non DSC
Placed on the market under the name or trade mark of

Shenzhen Jiuzhou Himunication Technology Co., Ltd
Factory1, 3rd Floor, Block C, Huafeng Second Industry Park, Hangcheng Road,
Gushu, Xixiang town, 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
EN50385:2017, EN 62479:2010
- Art. 3.1b): ETSI EN 301 489-1 V2.2.0
ETSI EN 301 489-17 V3.2.0
ETSI EN 301 489-19 V2.1.0
ETSI EN 301 843-1 V2.2.0
ETSI EN 301 843-2 V2.2.0
- Art. 3.2): ETSI EN 301 025 V2.2.1
ETSI EN 300 338-3 V1.2.1
ETSI EN 300 328 V2.1.1
ETSI EN 303 413 V1.1.1

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

This certificate was first issued on **April 22, 2019**

This certificate consists of 3 pages
Certificate revision: 1.0

For NEMKO (Notified Body 1622)
Ottawa, Canada, on _____ April 22, 2019____
Authorized signatory:
Xu Jin, Senior Technical Assessor



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: VHF radiotelephone equipment
Model/type: TS18S, TS18, TS18C, TS18 Non DSC
Brand/trade name: HIMUNICATION
Supply voltage: DC 13.8V
Rated power: -
Hardware version: V1.4
Software version: SW1.30

TECHNICAL CHARACTERISTICS

Transmitter type: -
Intended purpose: VHF radiotelephone operating
Frequency range: VHF radiotelephone equipment: Tx: 156.025MHz - 157.425MHz
Rx: 156.3MHz - 162MHz
Bluetooth: 2402 MHz – 2480 MHz
GPS: 1575.42 MHz (RX)
Transmit power: VHF radiotelephone equipment: 25 Watts / 1 Watt
Bluetooth: 0.006 Watts (EIRP)
Modulation type: VHF radiotelephone equipment: PM, FSK
Bluetooth: GFSK, $\pi/4$ QPSK, 8DPSK
GPS: BPSK
Number of channels: -
Channel separation: 25 kHz
Antenna type: External antenna
Maximum antenna gain: 2.15 dBi

MANUFACTURER

Name: Shenzhen Jiuzhou Himunication Technology Co., Ltd
Address: Factory1, 3rd Floor, Block C, Huafeng Second Industry Park, Hangcheng Road,
Gushu, Xixiang town, Baoan District, Shenzhen, China

ADDITIONAL INFORMATION

None.

ANNEX 2 - SCHEDULE OF APPROVAL

SCOPE OF EXAMINATION

- | | |
|---|---------|
| <input checked="" type="checkbox"/> Protection of Health and Safety, according to Article 3(1)(a). | Conform |
| Standards: EN 62368-1:2014+A11:2017
EN50385:2017, EN 62479:2010 | |
| <input checked="" type="checkbox"/> Electromagnetic Compatibility (EMC), according to Article 3(1)(b). | Conform |
| Standards: ETSI EN 301 489-1 V2.2.0
ETSI EN 301 489-17 V3.2.0
ETSI EN 301 489-19 V2.1.0
ETSI EN 301 843-1 V2.2.0
ETSI EN 301 843-2 V2.2.0 | |
| <input checked="" type="checkbox"/> Radio Spectrum Use, according to Article 3(2). | Conform |
| Standards: ETSI EN 301 025 V2.2.1
ETSI EN 300 338-3 V1.2.1
ETSI EN 300 328 V2.1.1
ETSI EN 303 413 V1.1.1 | |
| <input checked="" type="checkbox"/> Special Radio Features, according to Article 3(3)(a)-(f). | N/A |
| Standards: N/A | |

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: CHTEW190302705, CHTEW190302701
- Radio test report by Shenzhen Huatongwei International Inspection Co., Ltd.
Test Report Number: CHTEW19030270
CHTEW190302702
CHTEW190302704
- Safety test report by Shenzhen Huatongwei International Inspection Co., Ltd.
Test Report Number: CHTSE19030115, CHTSE19030117
- Health test report by Shenzhen Huatongwei International Inspection Co., Ltd.
Test Report Number: CHTEW190302703, CHTEW190302706

Additional documentation

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

ADDITIONAL INFORMATION

None.

<< End of certificate >>