

Notified body authorised by the MCA

# Marine Equipment Directive EC Type Examination Module B Certificate

No: **MED001034**

This is to certify that TUV SUD BABT did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Marine Equipment Directive (2014/90/EU) requirements under the following Implementing Regulation/Amendment for the listed types of equipment

<b>Implementing Regulation/ Amendment</b>	<b>2015/559/EU</b>
<b>Certificate Holder and Manufacturer</b>	<b>Japan Radio Co., Ltd 1-1, Shimorenjaku 5-Chome Mitaka-Shi Tokyo 181-8510 Japan</b>
<b>EC Representative</b>	<b>JRC Newdigate The Garden Office Dean House Farm Ind., Estate Church Road, Newdigate United Kingdom, RH5 5DL</b>
<b>Product(s)</b>	<b>JSS-2150 GMDSS MF/HF 150W Radio Equipment</b>
<b>Product Sector</b>	<b>Radiocommunication</b>
<b>Product Type</b>	<b>Annex A.1/5.10 MF/HF radio capable of transmitting and receiving DSC and radiotelephony A.1/5.15 MF/HF DSC Watchkeeping receiver</b>

and on the basis of the Technical Data and information detailed in the Annex to this certificate.

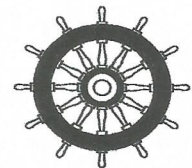
Valid from: 14 February 2017



Expiry Date: 13 February 2022

This certificate has been issued in accordance with the Certification Regulations of TUV SUD BABT (Notified Body Number 0168) and constitutes page 1 of the combined Certificate and Annex.

The Conditions for the validity of this certificate are listed in the Annex.  
For further details, related to this certification please contact [BABT@TUV-SUD.co.uk](mailto:BABT@TUV-SUD.co.uk)



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Issued by TUV SUD BABT under document number BABT-MED001034 Issue 02

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## Marine Equipment Directive Module B Type Examination Certificate

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### Description of Equipment

GMDSS MF/HF 150W Radio Equipment capable of Transmitting and Receiving DSC and Radiotelephony with Integrated 6 channel MF/HF DSC Watch-Keeping Receiver

**Model:** JSS-2150

**System Components:**

MF/HF Transceiver	NTD-2150
MF/HF Controller	NCM-2150
Handset	NQW-261
Antenna Tuner	NFC-2150

**Optional Components:**

Power supply	NBD-2150
Battery Charger	NBB-714
Battery Charger	NBB-724
Connection Box	NQD-2250
Junction Box	NQD-2253
Printer	NKG-800, DPU-414, NKG-91, NKG-900 or NKG-901
Distress Message Controller	NCH-321A

**Software:**

NTD-2150	
WKR Modem (CMJ-2250)	Version 4.00
TRX (CMN-2250)	Version 2.00
PA (CAH-2415)	Version 2.00
NFC-2150	Version 1.00
NCM-2150	Version 6.00

## Compliance Matrix For MED Item A.1/5.10, A1/5.15

IMO Resolutions	International Testing Standards	
IMO Res. A.694(17) IMO Res. A.804(19) IMO Res. A.806(19) IMO Res. MSC.36(63) IMO Res. MSC.97(73) IMO COMSAR Circ.32	IEC 60945 (2002) inc Corr.1:2008	General Requirements for Marine Navigation Equipment
	ETSI EN 300 373-1 V1.4.1 (2013-09)	Maritime mobile transmitters and receivers for use in the MF and HF bands
	ETSI EN 300 338-1 V1.3.1 (2010-02)	Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 1: Common requirements
	ETSI EN 300 338-2 V1.3.1 (2010-02)	Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 2: Class A/B DSC
	ETSI EN 301 033 V1.4.1 (2013-09)	Technical characteristics and methods of measurement for shipborne watchkeeping receivers for reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and VHF bands
	IEC 61162-1:2010	Maritime navigation and radiocommunication equipment and systems — Digital interfaces Part 1: Single talker and multiple listeners
	IMO MSC/Circ.862	Clarifications Of Certain Requirements In IMO Performance Standards For GMDSS Equipment

## Relevant Technical Documentation

**User Guide:** JSS-2150 Instruction Manual, 7ZPJD0569, dated 2012-12-07

### Test report numbers:

IEC 60945:2002 (inc Corr.1)	Z071C-10001 Issue 1, 2010-04-13 CML JSS-2150, 2009-01-24 08-401E, 2008-11-20 Z071C-08273, 2008-11-05 Z071C-10001, 2010-04-13 10-013(E), 2010-04-16 Corrosion Data, 2014-11-28
ETSI ETS 300 373-1 V1.3.1 (2011-01)	75904457 Report 03 Issue 3, 2009-02-23 75904457 Report 01 Issue 03, 2009-02-23 Z071C-13084 Issue 1, 2013-03-25 7ZTJD0020A, 2017-12-10 7ZTJD0029, 2017-02-10
ETSI EN 300 338-1 V1.3.1 (2010-02)	75904457 Report 01 Issue 03, 2009-02-23 20.12, 2012-10-16
ETSI EN 300 338-2 V1.3.1 (2010-02)	20.12, 2012-10-16



**Test report numbers-continued:**

ETSI EN 301 033 V1.3.1 (2010-09)	75904457 Report 04 Issue 3, 2009-02-23 7ZTJD0020A, 2017-12-10 7ZTJD0029, 2017-02-10
IEC 61162-1:2010	20.12, 2012-10-16 Declaration of the new sentences for IEC 61162 ED4, 2012-12-19

**Approved Hardware :**

Circuit Diagram: Pages 223-274, Report containing User Guide & Cct Diagrams, last modified 2010-06-17

**Additional Information:**

The products listed on this certificate were originally assessed and certified under 96/98/EC

**Conditions of Validity**

This issue of the Annex to the referenced Marine Equipment Module B Certificate relates to Issue 2 of the Certificate.

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 TUV SUD BABT or a person appointed by TUV SUD BABT to perform that role.

Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/them being placed on the Market or on board vessels to which the amended regulations or standards apply.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Signed: T. J. Tynan

on behalf of TÜV SÜD BABT

Date: 14<sup>th</sup> February 2017