



Maritime &
Coastguard
Agency



Notified body authorised by the MCA

Marine Equipment Directive EC Type Examination Module B Certificate

No: **MED000026**

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

Implementing Regulation/ Amendment	2015/559/EU
Certificate Holder and Manufacturer	Japan Radio Co., Ltd 1-1, Shimorenjaku 5-Chome Mitaka-Shi Tokyo 181-8510 Japan
EC Representative	JRC Newdigate The Garden Office Dean House Farm Ind., Estate Church Road, Newdigate United Kingdom, RH5 5DL
Product(s)	JSS-2500 GMDSS MF/HF 500W Radio Equipment
Product Sector	Radiocommunication
Product Type	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

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

Valid from: 02 March 2017

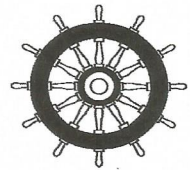
T. J. Twyman

Expiry Date: 01 March 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



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Issued by TUV SUD BABT under document number BABT-MED000026 Issue 03

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Description of Equipment

GMDSS MF/HF 500W Radio Equipment capable of Transmitting and Receiving DSC and Radiotelephony with Integrated 6 channel MF/HF DSC Watch-Keeping Receiver

Model: JSS-2500

System Components:

MF/HF Transceiver	NTD-2500
MF/HF Controller	NCM-2150
Handset	NQW-261
Antenna Tuner	NFC-2500
Power supply	NBD-2500

Optional Components:

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-2500	
WKR Modem (CMJ-2250)	Version 4.00
TRX (CMN-2250)	Version 2.00
PA (CMC-2450)	Version 2.00
NFC-2500	Version 1.00
NCM-2150	Version 6.00

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

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) 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-2250/2500/2250N/2500N Instruction Manual, 7ZPJD0622, dated 2012-12-07

Test report numbers:

IEC 60945:2002 (inc Corr.1:2008)	75917591 Report 02 Issue 2, 2012-07-05 CML JSS-2150, 2009-01-24 12-074(E) Issue 1, 2012-05-29 12-078(E) Issue 1, 2012-05-29 12-140(E) Issue 1, 2012-06-27 08-401E, 2008-11-20 Z071C-12003 Issue 1, 2012-04-19
ETSI ETS 300 373-1 V1.4.1 (2013-09)	75917591 Report 02 Issue 2, 2012-07-05 Z071C-12042 Issue 1, 2012-06-28 75904457 Report 03 Issue 3, 2009-02-23 2250+2500 Declaration Sheets, 2012-07-19 7ZTJD0020A, 2017-12-10 7ZTJD0029, 2017-02-10

Test report numbers (continued):

ETSI EN 300 338-1 V1.3.1 (2010-02)	20.12, 2012-10-16 75904457 Report 01, 2009-02-23
ETSI EN 300 338-2 V1.3.1 (2010-02)	20.12, 2012-10-16 75904457 Report 01, 2009-02-23
ETSI EN 301 033 V1.4.1 (2013-09)	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 JRC Declaration, 2012-12-19

Approved Hardware :

Circuit Diagram: Circuits 1-2 Drawings.pdf, last modified 16/08/2012

Conditions of Validity

This issue of the Annex to the referenced Marine Equipment Module B Certificate relates to Issue 3 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 TÜV SÜD B A B T or a person appointed by TÜV SÜD B A B T 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 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. Turynam

Date: 2nd March 2017

on behalf of TÜV SÜD B A B T