ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Marine Equipment Directive Module B
Type Examination Certificate

This is to certify that TÜV SÜD BABT did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Radio requirements of Marine Equipment Directive 96/98/EC as amended by Commission Directive 2011/75/EU and that the equipment of

Japan Radio Co., Ltd

of
1-1, Shimorenjaku 5-Chome
Mitaka-Shi
Tokyo 181-8510
Japan

known as

JSS-2250N
GMDSS MF/HF 250W Radio Equipment

conforms to the relevant requirements for:

Annex A.1/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony and
A.1/5.15 MF/HF DSC Watchkeeping receiver

as defined in the Marine Equipment Directive and listed in Commission Directive 2011/75/EU

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

Signed: L Rowland

On Behalf of TÜV SÜD BABT

Issue Date: 10 January 2013

Number: BABT-MED000024 Issue: 02

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

This certificate is valid from 10 January 2013 until not later than 21 August 2017

The Conditions for the validity of this certificate are listed in the Annex.
For further details related to this certification please contact Customer.Services@babt.com

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TÜV SÜD BABT • TÜV SÜD Group
Octagon House • Concorde Way • Fareham • Hampshire • PO15 5RL • United Kingdom

Annex to

Marine Equipment Directive Module B Type Examination Certificate

Description of Equipment

GMDSS MF/HF 250W Radio Equipment capable of Transmitting and Receiving DSC, NBDP and Radiotelephony with Integrated 6 channel MF/HF DSC Watch-Keeping Receiver

Model: JSS-2250N

System Components:

MF/HF Transceiver	NTD-2250
MF/HF Controller	NCM-2150
Data Terminal	NDZ-227
Printer	NKG-800
Keyboard	NDF-369
Handset	NQW-261
Antenna Tuner	NFC-2250
Power supply	NBD-2250

Optional Components:

Battery Charger	NBB-714
Battery Charger	NBB-724
Connection Box	NQD-2250
Junction Box	NQD-2253
Additional Printer	DPU-414 or NKG-91
Distress Message Controller	NCH-321A

Software:

NTD-2250	
WKR Modem (CMJ-2250)	Version 3.00
TRX (CMN-2250)	Version 1.00
PA (CMC-2425)	Version 1.00
NFC-2250	Version 1.00
NCM-2150	Version 5.00
NDZ-227	Version 1.00

Compliance Matrix For MED Item A.1/5.14, A1/5.15

IMO Resolutions	International Testing Standards	
IMO Res. A.694(17) 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 V1.3.1 (2011-01)	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 V1.3.1 (2010-09)	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
	ETSI EN 300067 Ed.1 (1990-11) ETSI EN 300067 /A1 Ed.1 (1993-10)	Radio Equipment and Systems Radiotelex equipment operating in the maritime MF/HF service. Technical characteristics and methods of measurement
	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

Manufacturer:

Name: As Holder
Address: As Holder

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 01 Issue 2, 2012-07-05
Operational Inspection Report 2009-01-24
12-076(E) Issue 1, 2012-05-29
12-077(E) Issue 1, 2012-05-29
12-139(E) Issue 1, 2012-06-27
Z071C-12003 Issue 1, 2012-04-19

Test report numbers (continued):

ETSI ETS 300 373-1 V1.3.1 (2011-01)	75917591 Report 01 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
ETSI EN 300 338-1 V1.3.1 (2010-02)	20.12, 2012-10-16
ETSI EN 300 338-2 V1.3.1 (2010-02)	20.12, 2012-10-16
ETSI EN 301 033 V1.3.1 (2010-09)	75904457 Report 04 Issue 3, 2009-02-23
ETSI EN 300 067 (1990-11)	7ZTJD0002 MED type approval application
IEC 61162-1:2010	7ZPJD0537_INSTALLATION, 2012-06-15 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 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 TÜV SÜD BABT or a person appointed by TÜV SÜD 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 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:.. ..... Date:.10th. January 2013.

on behalf of TÜV SÜD BABT