

Notified Body Statement of Opinion

No. THER2 10 10 73901 001

Certificate Holder: **Vesper Marine Ltd**

103 Westhaven Drive
St Marys Bay
1010 Auckland
NEW ZEALAND

Product: **Marine Radio Equipment**
Fixed marine transponder with GPS receiver

Model(s): **WMX850**

Technical data: TCF No. WMX850

In accordance with Annex IV of European Union Council Directive 1999/5/EC on radio equipment and telecommunications terminal equipment, our opinion is that the equipment identified above and described in the Annex to this statement of opinion complies with the requirements of the above Directive as stated in the articles 3.1, 3.2 and 3.3.

BABT File number: NC14714 i01



Date, 2010-11-09

(Les Rowland)

British Approvals Board for Telecommunications (BABT) is appointed as a Notified Body, with the identification number 0168, in accordance with the Council Directive 1999/5/EC for radio equipment and telecommunications terminal equipment. The CE marking and the BABT 0168 identification number may be used on the equipment described above, subject to the equipment meeting the compliance requirements of all applicable EU directives. This statement of opinion remains the property of BABT and is not transferable.

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Annex to

CERTIFICATE

Description of Equipment

<i>Intended Use:</i>	Fixed marine transponder with GPS receiver, for use onboard non-SOLAS vessels.		
<i>Class of Equipment:</i>	Class 2		
<i>Frequency Band(s):</i>	Transmitter:	161.500 – 162.025 MHz	
	Receiver:	156.025 – 162.025 MHz	
	GPS:	1575.26 MHz	
<i>Type of modulation:</i>	FM GMSK		
<i>Channel Spacing(s):</i>	25 kHz		
<i>Designation of Emissions:</i>	25K0FXDXT		
<i>Transmit Power:</i>	Conducted, 2.187 W max		
<i>Duty Cycle:</i>	0.02667s ON, 29.973s OFF: 0.08898%		

Standards

R&TTE Article 3.1(a)	EN 50385: 2002 EN 50383: 2002 EN 60950-1: 2001 IEC 60945: 2002-08
R&TTE Article 3.1(b)	EN 301 843-1 v1.2.1 (2004-06) IEC 60945: 2002-08
R&TTE Article 3.2	IEC 62287-1: 2006-03 Clause 11, for the AIS transmitter and receivers IEC 62287-1: 2006-03 Annex C, Clause C4, for the DSC receiver IEC 61108-1: 2003-07 Clauses 4.3.7 & 4.3.8, for the GPS receiver
R&TTE Article 3.3	IEC 62287-1: 2006-03 Clause 9, for operation in intended environment IEC 62287-1: 2006-03 Clauses 10, 12,13 for operational requirements

Relevant Technical Documentation

Supplier's Declaration(s) of Conformity: R&TTE draft dated 14th October 2010

User Guide: AISWatchMate® Class B AIS Transceiver Model: WMX850 dated 7th October 2010

Test report numbers:

R&TTE Article 3.1(a) [Safety]
Test Report Number:

EN 60950-1: 2001 Safety Compliance review dated 4th November 2010

MPE calculations performed by Vesper Marine dated 3rd October 2010

R&TTE Article 3.1(b) [EMC]

Test Report Number:

100417.2 dated 12th October 2010
100417.3 dated 12th October 2010

R&TTE Article 3.2 [Spectrum Usage]

Test Report Numbers:

100715.2 dated 21st October 2010
BSH/46162/4321414/10 dated 12th October 2010

R&TTE Article 3.3 [Access to emergency services]

Test Report Number: BSH/46162/4321414/10 dated 21st October 2010
 10CA37093-VA00 5th August 2010
 IEC62287_Section9_README.pdf

Approved Software: Firmware Version V5.04

Approved Hardware :	Overall Build Level	Rev.A
	Circuit Diagram	Schematic Prints.pdf ,13/10/2010
	Parts List:	WMX850 Assembly BOM, 27/09/2010
		WMX850 PCBA Rev.B, 17/09/2010

Additional Information:

Compliance with the R&TTE directive will depend upon installation conditions and how the equipment exists in its final form. Positioning of the equipment must be such as to ensure that the equipment is protected from the ingress of water. This responsibility resides with the system installer.

Compliance with Article 3.2 of the R&TTE Directive 1999/5/EC does not of itself give an automatic presumption of conformity with National Radio Spectrum Standards. It is therefore mandatory for this equipment to be notified to the relevant national authority responsible for spectrum management 4 weeks before placing it on the market in accordance with Article 6.4 of the R&TTE Directive 1999/5/EC.

Signed: 
 on behalf of BABT

Date: 9th November 2010.