



# Notified Body Statement of Opinion

No. THER2 13 10 83841 003

**Certificate Holder:** **SevenStar Electronics Ltd**

Unit 7 Richards Close  
Wooton Bassett  
Wiltshire SN4 7E  
UNITED KINGDOM

**Product:** **Marine Radio Equipment  
AIS identifier with GPS**

**Model(s):** **S.801**

**Technical data:** TCF No. S.801

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:** NC17586 i01

**Date,** 2013-11-04

( Phil Dolling )

TÜV SÜD 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 TÜV SÜD 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 has been issued in accordance with the Certification Regulations of TÜV SÜD BABT. For further details related to this Statement of Opinion please contact [babt@tuv-sud.co.uk](mailto:babt@tuv-sud.co.uk)

## R&TTE Annex IV Notified Body Opinion

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### Description of Equipment

<i>Intended Use:</i>	Marine AIS identifier with GPS receiver, for use onboard non-SOLAS vessels.
<i>Class of Equipment:</i>	Class 2
<i>Frequency Band(s):</i>	Transmitter: 156.025 – 162.025 MHz Receiver: 156.025 – 162.025 MHz GPS: 1575.42 MHz
<i>Type of modulation:</i>	25kHz GMSK (AIS, TX and RX) 25kHz AFSK (DSC, RX only)
<i>Channel Spacing(s):</i>	25 kHz
<i>Designation of Emissions:</i>	15K4G1DXT
<i>Transmit Power:</i>	Radiated, 1.0 W min, 2.0 W max
<i>Duty Cycle:</i>	0.02667s ON, 29.973s OFF: 0.08898%



## Standards

R&TTE Article 3.1(a)	EN 50383: 2002 EN 62311: 2008 EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 IEC 60945: 2002-08
R&TTE Article 3.1(b)	IEC 60945: 2002-08
R&TTE Article 3.2	IEC 62287-1: 2010-11 Clause 11 & 12 IEC 61097-14: 2010 Clause 7 IEC 61108-1: 2003-07 Clauses 4.3.7 & 4.3.8, for the GPS receiver
R&TTE Article 3.3	IEC 61097-14: 2010 Clause 6 for performance tests

## Relevant Technical Documentation

**Supplier's Declaration(s) of Conformity:** R&TTE dated 2013-10-29  
Results Applicability Declaration, 2013-10-29

**User Guide:** Identifier manual EN V.2 modified 2013-10-29

**Test report numbers:**

Radio:	75920099 Report 03 Iss.2, 2013-04-15 75920099 Report 04 iss.1, 2013-04-09 Justification for deviation from Annex III NC.16693 Number: LD4466, 2013-04-13 Justification for use of sart test reports, 2013-04-11
EMC:	75920099 Report 05 Issue 2, 2013-04-22 B0208 Identifier EN60945 Test Report B882TR1
GPS:	75916710 Report 01 Iss.1, 2012-03-28 BSH/46121/4142197/12, 2012-02-24
Environment:	75917539 Report 09 Iss.2, 2012-11-23 75920099 Report 01 Iss.2, 2013-04-09 B9552, 2012-03-02 4439, 2012-08-08 4121, 2012-03-22 4316, 2012-04-26
RF exp:	75920099 Report 02 Iss.1, 2012-11-06
Safety:	071-75919391-000, 2013-01-18 LD4462-Identifier Application for Test Waivers Issue 1, 2013-04-11



**Approved Software:** 050200.01.00.25

**Approved Hardware:** Overall Build Level: EP6, Issue 011-0041 v6.4  
Circuit Diagrams: 011-0039 - P208 RFID Schematic v2,  
2012-01-26  
011-0041 - P208 Identifier Schematic v6\_4,  
2012-06-21  
Parts List: 417-0009, Item Name: AIS IDENTIFIER,  
Revision 5, 2013-04-23

**Additional Information:**

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: 2013-11-04.....