

Expertise

**Expert Opinion of the Notified Body on the Conformity Assessment
according to Article 10.5 of R&TTE Directive 1999/5/EC**

PHOENIX TESTLAB
EU Identification Number 0700

Recognised by  Bundesnetzagentur

BNetzA-bS-02/51-55

Expertise No.	14-112963
Certificate Holder	Orolia Ltd.
Address	Silver Point, Airport Service Road, Portsmouth, PO3 5PB, UK
Product Description	AIS Class B transponder, with GPS (Z603 additional with WiFi)
Brand Name / Model Name	McMurdo Smartfind M10, M10W / Z602, Z603

Opinion on the Essential Requirements

Article 3.1a): Health and Safety	No remarks
Article 3.1b): Electromagnetic Compatibility	No remarks
Article 3.2: Effective Use of the Radio Spectrum	No remarks
Article 3.3 Additional Maritime Requirements	No remarks

CE-marking


Marking Example (Class 2) **CE 0700** 

This certificate is issued in accordance with the Directive 1999/5/EC of the European Parliament and the Council on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity dated 9th March 1999 and is only valid in conjunction with the following annex (3 pages).

Blomberg, 02 July 2014

Place, Date of Issue




Signed by Bernd Selck
Notified Body

Technical description

Frequency Range AIS: 156.025 - 162.025 MHz;
WiFi: 2412 - 2472 MHz;
GPS: 1575.42 MHz (Rx only)

Transmitted Power AIS: 2W;
WiFi: 17.74 dBm EIRP

Technical Construction File (TCF):

Technical documentation according to Annex II sub clause 4:

- | | |
|---|---|
| <input checked="" type="checkbox"/> User Manual | <input checked="" type="checkbox"/> Operational Description |
| <input checked="" type="checkbox"/> Block Diagram | <input checked="" type="checkbox"/> Circuit Diagram |
| <input checked="" type="checkbox"/> Parts Placement | <input checked="" type="checkbox"/> PCB-Layout |
| <input checked="" type="checkbox"/> Parts List | |

Hardware Version: M-PCB-B108MBV1

Software Version: V1.2.6



Applied Standards and Test Reports

Specification	Laboratory	Test Report Number
EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011	QuieTek Corporation	SN1307032
EN 62311:2008	QuieTek Corporation	135096R-HPCEP04V01 V2.0
EN 60945 4 th ed.:2002 9, 10, 12.2	QuieTek Corporation	135096R-ITCEP26V01 V2.0
EN 60945 4 th ed.:2002 IEC 62287-1 ed.2:2010 EN 60068-2-1: 2008 EN 60068-2-2: 2008 EN 60068-2-78: 2002	Phoenix Testlab	U130840E1, 4th Version
IEC 61108-1:2003	BSH	BSH/4612/4322163/12-2
EN 301 489-1 V1.9.2 EN 301 489-3 V1.4.1	QuieTek Corporation	135096R-RFCEP01V01 V2.0
EN 301 489-1 V1.9.2 EN 301 489-17 V2.2.1	QuieTek Corporation	135096R-RFCEP02V01 V2.0
EN 301 843-1 V1.3.1 EN 301 843-2 V1.2.1	QuieTek Corporation	135096R-RFCEP03V01
IEC 62287-1 ed.2.0: 2010 Sec. 10,12,13 + A1	Phoenix Testlab	F130840E2 2 nd Version
IEC 62287-1 ed.2:2010 part 11 + C.4	Phoenix Testlab	F130840E1
EN 300 328 V1.7.1	QuieTek Corporation	135096R-RFCEP14V01 V2.0
EN 300 440-1 V1.6.1 EN 300 440-2 V1.4.1	QuieTek Corporation	135096R-RFCEP71V01 V2.0
IEC 60529 ed.2.1:2006	SGS Taiwan	HCD0137A/2009
IEC 62287-1 ed.2.0: 2010 9.2	SGS Taiwan	HC30037A/2013
IEC 60068-2-52 ed.2: 1996	IST, Taiwan	HS1303150050A-1
IEC 62287-1 ed.2.0: 2010 9.4	QuieTek Corporation	SN1307032-A

Further Documents

Declaration of OEM Authorization, 1 page, 08 November 2013

Based on the Expertise 13-115391



Opinion on the Essential Requirements:

The basis of this Expertise is the Technical Construction File (TCF). If the TCF includes test reports issued by laboratories accredited to the standard ISO/IEC 17025, the test results of these reports are considered as a basis for the conformity assessment of the Notified Body.

Article 3.1a): Health and Safety:

- Conform

Article 3.1b): Electromagnetic Compatibility:

- Conform

Article 3.2: Effective Use of the Radio Spectrum:

- Conform

Article 3.3 Additional Maritime Requirements

- Conform

General Remarks:

- Before putting a product on the market which uses non harmonised frequencies (Class 2) the national authorities of the member states have to be notified.
- This conformity assessment is limited to the essential requirements of the R&TTE Directive. Only products fulfilling all essential requirements of all applicable new approach directives may be placed on the market and put into service. Products in compliance with all provisions of the applicable directives providing for the CE marking must bear this marking.

