

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. 16-110921a
Certificate Holder Alltek Marine Electronics Corp.
Address 14F-2, No.237, Sec. 1, Datong Rd.,
Xizhi Dist., New Taipei City 22161, Taiwan

Product Description AIS Class B transponder, with GPS
(CAMINO-108W: additional with WiFi)
Brand Name / Model Name AMEC / CAMINO-108, CAMINO-108W

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**

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).
This version of the certificate replaces the expertise 16-110921, which is hereby withdrawn.

Blomberg, 23 May 2016

Place, Date of Issue




Signed by Klaus Knörig
Notified Body

Technical description

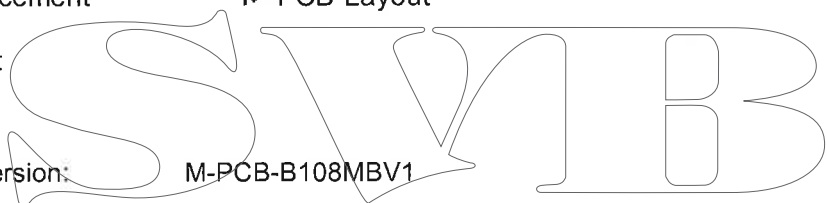
Frequency Range	AIS: 156.025 - 162.025 MHz; WiFi: 2412 - 2472 MHz; GPS: 1575.42 MHz (Rx only)
Transmitted Power	AIS: 2W; WiFi: 19.40 dBm EIRP
Operational temperature range Device	Max. 55° C

Technical Construction File (TCF):

Technical documentation according to Annex II sub clause 4:

- User Manual
- Operational Description
- Block Diagram
- Circuit Diagram
- Parts Placement
- PCB-Layout
- 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+A2:2013	QuieTek Corporation	SN1603016
EN 62311:2008	QuieTek Corporation	1620048R-SACEP56V00
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 V1.6.1	QuieTek Corporation	135096R-RFCEP01V01 V3.0
EN 301 489-1 V1.9.2 EN 301 489-17 V2.2.1	QuieTek Corporation	1620048R-RFCEP02V00
EN 301 843-1 V1.3.1 EN 301 843-2 V1.2.1	QuieTek Corporation	135096R-RFCEP03V01 V3.0
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 V1.9.1	QuieTek Corporation	1620048R-RFCEP24V00
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 Equality, 1 page, 2016-05-13



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:

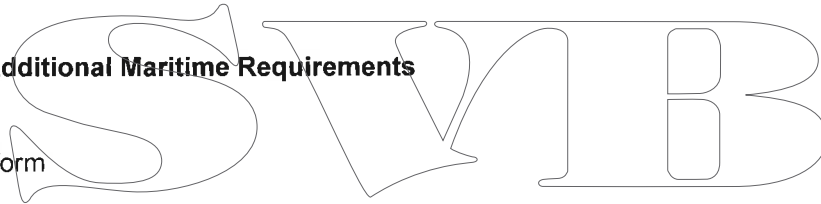
- Conform

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.

