

# 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.	13-112196
Certificate Holder	Matrix Research Limited
Address	Unit 22, 16/F, Block A, Hi-Tech Industrial Centre, 5-21 Pak Tin Par Street, Tsuen Wan, Hong Kong
Product Description	125KHz Contactless Smartcard Reader, RFID
Brand Name / Model Name	ACX / 91LF01, 91LF02, 91LF03, 91LF04, 91LF05, 91LF06, 91LF07, 91LF08

## Opinion on the Essential Requirements

Article 3.1a): Health and Safety	Remarks see annex
Article 3.1b): Electromagnetic Compatibility	No remarks
Article 3.2: Effective Use of the Radio Spectrum	No remarks

## CE-marking

Marking Example (Class 1) **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 9<sup>th</sup> March 1999 and is only valid in conjunction with the following annex (2 pages).

Blomberg, 24 May 2013

Place, Date of Issue



Signed by Holger Bentje  
Notified Body

## Technical description

Frequency Range 125 kHz  
Transmitted Power 26.5 dB $\mu$ A/m @ 10m

## 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: --  
Software Version: --

## Applied Standards and Test Reports

Specification	Laboratory	Test Report Number
EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011	Most Technology Service	MTS/DYS/T13010045
EN 301 489-1 V1.9.2 EN 301 489-3 V1.4.1	Most Technology Service	MTE/AYG/T13010035
EN 300 330-1 V1.7.1 EN 300 330-2 V1.5.1	Most Technology Service	MTE/AYG/T13010036

## Further Documents

EU Declaration of Conformity, 2 pages, 2013-04-10  
Model difference letter, 1 page, 2013-04-10



## 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:

- Health: Not assessed
- Safety: Conform

### Article 3.1b): Electromagnetic Compatibility:

- Conform

### Article 3.2: Effective Use of the Radio Spectrum:

- Conform

### General Remarks:

- The Technical Construction File should include also the parts placement as well as the parts list.
- The hard- and the software version may affect the compliance, therefore the versions shall be stated
- 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.

