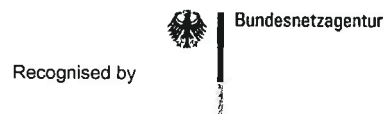


# Expertise

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**



BNetzA-bS-02/51-55

Expertise No.	09-112775
Certificate Holder	Shenzhen Neoway Technology Co.,Ltd
Address	4F-2#, Lianjian Science & Industry Park, Huarong Road, Dalang, Longhua, Bao'an District, Shenzhen
Product Description	GSM Module
Brand Name / Model Name	NEOWAY / M590
Frequency Range	GSM 900 / 1800 MHz
Transmitted Power	Max. 2 W EIRP

**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, 11 November 2009

Place, Date of Issue



Signed by Holger Bentje  
Notified Body

## Technical Construction File (TCF):

### Description

User Manual: M590 User Manual, V2.0, 54 pages, --  
Operational Description: Neo\_M590 Hardware Design Manual V2.0, 19 pages, 200909

### Manufacturing Documents

Block Diagram: M590 block schematic diagram, 1 page, --  
Circuit Diagram: M590\_SCH.pdf, M590-V1.1, 1 page, 08-04-08  
Parts Placement: M590\_PCB Placement.pdf, 1 page, Apr 14 2009  
PCB-Layout: M590\_PCB Layout.pdf, 6 pages, --  
Parts List: M590 BOM 080522, 1 page, --  
Hardware Version: V1.1  
Software Version: 1103\_C6C30000\_V0120n

### Applied Standards and Test Reports

Specification	Laboratory	Test Report Number
EN 301 511 V9.0.2: 2003	Morlab	SZ09100037W01
EN 301 489-1 V1.8.1: 2008	Morlab	SZ09100037E01
EN 301 489-7 V1.3.1: 2005		
EN 60950-1: 2006	Morlab	SZ09100037A01

### Further Documents

List of Standards applied, 1 page, --



## 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:

- If the module should be integrated into a system, this set needs to be reassessed.
- 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.

