

# EU-TYPE EXAMINATION (MODULE B) CERTIFICATE

## Radio Equipment Directive (RED) 2014/53/EU

**PHOENIX TESTLAB**  
Notified Body Number **0700**



This is to certify that:

PHOENIX TESTLAB did undertake the relevant type examination procedures for the radio equipment identified below which was found to be in compliance with the essential requirements of Radio Equipment Directive (RED) 2014/53/EU subject to any conditions in the annex attached hereto.

Certificate No.	17-211778
Manufacturer	Shanghai SIMCom Wireless Solutions Co.,Ltd.
Address	Building A, SIM Technology Building.,No.633, Jinzhong Rd, Changning Disdriect, Shanghai, P.R.China
Product Description	LTE-FDD/HSPA/GSM/GPS MODULE; with WCDMA, GLONASS and BD
Brand Name / Model Name	SIMCom / SIM7500E

### The radio equipment meets the following essential requirements

Article 3.1 a): Health and Safety	<b>Conform</b>
Article 3.1 b): Electromagnetic Compatibility	<b>Conform</b>
Article 3.2: Effective and Efficient Use of Radio Spectrum	<b>Conform</b>
Additional Essential Requirements:	<b>Not applicable</b>

Date of issue **2017-06-23**      Expiry date: **2022-06-22**

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached annex are complied with. The conditions for the validity of this certificate are listed in the Annex.

The attached Annex forms part of this certificate. This certificate consists of 3 pages.



Signed by Alan Iane  
Notified Body

## Annex

### Technical description

Frequency Range	GSM 900/1800 MHz UTRA FDD Band I/VIII E-UTRA FDD Band 1/3/7/8/20 GPS:1575.42 MHz (Rx) GLONASS:1602 MHz (Rx) BD:1561 MHz(Rx)
Transmit Power	Max.2W / Max.1W UTRA FDD: 24 dBm E-UTRA FDD: 23 dBm
Hardware Version	V1.02
Software Version	SIM7500M21_V1.1

### System Components

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### Optional Components

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Antenna(GPS/GLONASS/BD)	Dipole antenna, Max. 3 dBi
Antenna(GSM/WCDMA/LTE)	Dipole antenna, Max. 3.12 dBi

### Approval documentation

External / Internal Photos	Provided, 2 pages/ 2 pages
User Manual	SIM7500E_User Manual_V1.01, 60 pages
Block Diagram	SIM7500E Block Diagram, 1 page
Circuit Diagram	Provided, 14 pages
Operational Description	Operation Description, 3 pages
PCB Layout	Provided, 10 pages
Parts Placement	Provided, 1 page
Parts List	BOM, 4 pages
EU Declaration of Conformity	4 pages, June 13, 2017
Explanation of compliance Article 10(2) and Article 10(10)	Description in the User Manual
Further Documents	Risk Assessment, 2 pages, June 13, 2017




### Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013	Shenzhen BALUN Technology Co., Ltd.	BL-SZ1750412-101 Rev.02
EN 50385:2002	Shanghai Tejet Communications Technology Co., Ltd. Testing Center	2017SAR239
Draft ETSI EN 301 489-1 V2.2.0 Draft ETSI EN 301 489-52 V1.1.0	Shanghai Tejet Communications Technology Co., Ltd. Testing Center	2017EMC240 V2.0
Draft ETSI EN 303 413 V1.1.0	Shenzhen BALUN Technology Co., Ltd.	BL-SZ1750412-601 Rev.02
ETSI EN 301 511 V12.5.1	Shanghai Tejet Communications Technology Co., Ltd. Testing Center	2017FTA236
ETSI EN 301 511 V12.5.1 ETSI EN 301 908-1 V11.1.1	Shanghai Tejet Communications Technology Co., Ltd. Testing Center	2017RSE241 V2.0
ETSI EN 301 908-2 V11.1.1	Shanghai Tejet Communications Technology Co., Ltd. Testing Center	2017FTA237
ETSI EN 301 908-13 V11.1.1	Shanghai Tejet Communications Technology Co., Ltd. Testing Center	2017FTA238

### Limitations / Restrictions

- Operating Temperature range is -30 - +80 degree Celsius.
- If the module shall be integrated into a system, this set needs to be reassessed.

### Notes

1. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with PHOENIX TESTLAB.
2. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/them being placed on the market.
3. The manufacturer shall take all measures necessary so that the manufacturing process and its monitoring ensure conformity of the manufactured radio equipment with the approved type described in the EU-type examination certificate and with the requirements of Directive 2014/53/EU that apply to it.
4.  The manufacturer shall affix the CE marking to each item of radio equipment that is in conformity with the type described in the EU-type examination certificate and satisfies the applicable requirements of the Directive.
5. The manufacturer shall draw up a written EU declaration of conformity for each radio equipment type and keep it at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU declaration of conformity shall identify the radio equipment type for which it has been drawn up. A copy of the EU declaration of conformity shall be made available to the relevant authorities upon request.