

# EU-TYPE EXAMINATION CERTIFICATE

No

**0370-RED-6875**

<b>ISSUED BY</b>	LGAI Technological Center, SA – NB No. 0370 (APPLUS)	
<b>APPLICANT</b>	<b>SIMCom Wireless Solutions Limited</b>	
<b>MANUFACTURER (Name, Address)</b>	<b>SIMCom Wireless Solutions Limited</b> SIMCom Headquarters Building, Building 3, No.289 Linhong Road, Changning District, Shanghai, China	
<b>COMMERCIALISED BY (Brand)</b>	<b>SIMCom</b>	
<b>PRODUCT</b>	<b>Wireless Module</b>	
<b>TYPES</b>	SIM7670G	
<b>HW / SW / FMW version</b>	SW: SIM767XM5A HW: V2.02	
<b>APPLICABLE DIRECTIVE</b>	DIRECTIVE 2014/53/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 16 APRIL 2014 ON THE HARMONISATION OF THE LAWS OF THE MEMBER STATES RELATING TO THE MAKING AVAILABLE ON THE MARKET OF RADIO EQUIPMENT	
<b>DESCRIPTION</b>	<b>The device is a Wireless Module with 4G.</b>	
<b>MEET ESSENTIAL REQUIREMENTS</b>	Art.3.1 (a) Health & Safety <input checked="" type="checkbox"/>	Art.3.2 Efficient use of Radio spectrum <input checked="" type="checkbox"/>
	Art.3.1 (b) EMC <input checked="" type="checkbox"/>	Art.3.3 Requirements for specific categories or classes of RED (d) <input type="checkbox"/> (e) <input type="checkbox"/> (f) <input type="checkbox"/> (g) <input type="checkbox"/>

This document is not valid without its technical annex, whose number matches with the number of this certificate.

The evaluation of the technical documentation delivered is included in the technical file number: 23/36404280

*This Certificate is valid as long as there are no changes in the state of the Art indicating that the approved radio equipment can no longer meet the essential requirements of Directive 2014/53/EU and there are no notifications of the approved type that may affect the accordance with the essential requirements of Directive 2014/53/EU.*

Restrictions (if applicable): N/A

Bellaterra, 24th November, 2023

José Luis Medina  
Certification Director  
Electrical & Electronics



You can check the validity of this certificate in our website

*The manufacturer, after the completion of the technical documentation, the conformity assessment procedures and the EU Declaration of conformity, may affix the CE Marking under his responsibility.*

## TECHNICAL ANNEX

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### A. MODEL DESCRIPTION

#### A.1. GENERAL INFORMATION ON THE RADIO EQUIPMENT:

**Manufacturing country:** China  
**Brand:** SIMCom  
**Commercial designation:** SIMCom  
**Country of commercialization:** European Union  
**Radio service:** 4G  
**Application:** Wireless Module

##### A.1.1 TRADE VERSIONS/VARIANTS: SIM7670G

#### A.2. FEATURES: Wireless Module

#### A.3. SOFTWARE VERSION(S): SIM767XM5A

#### A.4. HARDWARE VERSION(S): V2.02

#### A.5. OTHER COMPONENTS

**Disposable antenna**      **YES** ☒      **Antenna gain (dBi):**  
   **NO** ☐

**LTE band 1: 2.12 dBi;**  
**LTE band 3: 3.12 dBi;**  
**LTE band 7: 2.90 dBi**  
**LTE band 8: 0.03 dBi;**  
**LTE band 20: 0.64 dBi;**  
**LTE band 28: 1.57 dBi;**  
**LTE band 38: 1.64 dBi;**  
**LTE band 40: 3.47 dBi;**

## TECHNICAL ANNEX

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### A.6. OPERATING FREQUENCIES AND MAXIMUM POWER EMITTED BY BAND

BAND	SERVICE	Operational frequency (TX)	MAX POWER**	CNAF IR	CNAF/UN-XXX
Band 1	LTE Band 1	F_min: 1920MHz F_max: 1980MHz	23.26 dBm	IR-21	UN-48
Band 2	LTE Band 3	F_min: 1710MHz F_max: 1785MHz	23.67 dBm	IR-217	UN-140
Band 3	LTE Band 7	F_min: 2500MHz F_max: 2570MHz	23.55 dBm	IR-223	UN-52
Band 4	LTE Band 8	F_min: 880MHz F_max: 915MHz	23.31 dBm	IR-217	UN-41
Band 5	LTE Band 20	F_min: 832MHz F_max: 862MHz	23.52 dBm	IR-220	UN-153
Band 6	LTE Band 28 <sup>1)</sup>	F_min: 703MHz F_max: 748MHz	23.89 dBm	IR-219	UN-153
Band 7	LTE Band 38	F_min: 2570MHz F_max: 2620MHz	22.96 dBm	IR-221	UN-52
Band 8	LTE Band 40	F_min: 2300MHz F_max: 2400MHz	23.04 dBm	N/D <sup>2)</sup>	N/D <sup>2)</sup>

N/A: Not applicable  
 N/D: Not defined

\* Conducted power for mobile technologies and EIRP for other technologies.

- 1) LTE Band 28 is only allowed to operate from 703 MHz up to 736 MHz for the transmitter and 758 MHz to 791 MHz for the receiver.
- 2) N/D in Spain, but this band is allowed at least in one Member State (i.e. Lithuania). Defined for International Mobile Telecommunications (IMT) according to note 5.384A.

### A.7. OTHER PARAMETERS OF RADIO INTERFACE SPECIFICATIONS (RI)

**Requires license/Use authorization:** YES ☒ NO ☐

NOTE mobile service: Class I because of mobile station.

## TECHNICAL ANNEX

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### B. TEST PROTOCOL

REQUIREMENT	STANDARD	Laboratory	Report no.
Health and Safety Article 3.1(a)	EN IEC 62368-1:2020+A11:2020	ICAS Testing Technology Services (Shanghai) Co., Ltd.	SHE23060105-02AE
	EN IEC 62311:2020		SHE23060105-02DE
EMC Article 3.1(b)	ETSI EN 301 489-1 V2.2.3	ICAS Testing Technology Services (Shanghai) Co., Ltd.	SHE23060105-02BE
	ETSI EN 301 489-52 V1.2.1		
Efficient use of Radio spectrum Article 3.2	ETSI EN 301 908-1 V15.2.1	ICAS Testing Technology Services (Shanghai) Co., Ltd.	SHE23060105-02CE
	ETSI EN 301 908-13 V13.2.1		

### C. RESTRICTIONS (IF POSITIVE)

Restrictions YES ☒ NO ☐

Describe restrictions: N/A

## TECHNICAL ANNEX

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### D. ACTIVITIES CARRIED OUT BY THE NB

#### Technical Documentation Review

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Assembly drawings(s)                   | <input checked="" type="checkbox"/> Block diagram   | <input checked="" type="checkbox"/> Circuit diagram/schematics   |
| <input checked="" type="checkbox"/> External photographs        | <input checked="" type="checkbox"/> Label drawing/location                                    | <input checked="" type="checkbox"/> User manual                  |
| <input checked="" type="checkbox"/> Internal photographs        | <input checked="" type="checkbox"/> Operational description                                   | <input checked="" type="checkbox"/> Risk Assessment              |
| <input checked="" type="checkbox"/> Test set-up photographs     | <input checked="" type="checkbox"/> Test reports  | <input checked="" type="checkbox"/> EU declaration of conformity |
| <input checked="" type="checkbox"/> Bill of materials           | <input checked="" type="checkbox"/> PCB layout  |  |
| <input type="checkbox"/> Installation diagrams and explanations | <input checked="" type="checkbox"/> List of applied (harmonized and non-harmonized) standards |  |

#### Other activities

- ☒ RIS
- ☒ EFIS/CNAF
- ☒ Review Technical Justifications
- ☒ Analysis report
- ☒ EU type certification issued

### E. ADDITIONAL INFORMATION:

Radio Equipment Directive 2014/53/EU, Article 10.4: Manufacturers shall keep the technical documentation and the EU declaration of conformity for 10 years after the radio equipment has been placed on the market.

Radio Equipment Directive 2014/53/EU, Annex III, Module B.Z: The manufacturer shall inform the notified body that holds the technical documentation relating to the EU-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Directive or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original EU-type examination certificate.

This review includes draft standards, deviations from the standards and technical justification for compliance.