

# EU TYPE EXAMINATION CERTIFICATE

Issue Date: 9/18/2020

**Applicant:**

SIMCom Wireless Solutions Limited  
Building B, SIM Technology Building,  
No.633 Jinzhong Road, Changning  
District, Shanghai, 200335, China

**Manufacturer:**

Same as Applicant

**Model Number/Name:** A7600E, A7600E miniPCIE

**Product Description:** LTE /GSM MODULE

**Serial Number:** MP0620307E59456, MP0620307E594F6

**Hardware version:** V1.02A

**Software version:** A7600M7\_V8.18.1

**Frequency Band(s):**

GSM 900:880~915MHz(TX), GSM900:925~960MHz(RX)

DCS 1800:1710~1785MHz(TX), DCS1800:1805 ~1880MHz(RX)

LTE Band 1: 1920 - 1980MHz(TX), LTE Band 1: 2110 - 2170MHz(RX)

LTE Band 3: 1710 - 1785MHz(TX), LTE Band 3: 1805 - 1880MHz(RX)

LTE Band 7: 2500-2570MHz(TX), LTE Band 7 2620-2670MHz(RX)

LTE Band 8: 880 - 915MHz(TX), LTE Band 8: 925 - 960MHz(RX)

LTE Band 20: 832 - 862MHz(TX), LTE Band 20: 791 - 821MHz(RX)

LTE Band38:2570-2620MHz(TX), LTE Band38:2570-2620MHz(RX)

LTE Band40:2300-2340MHz(TX), LTE Band40:2300-2340MHz(RX)

**Transmit Power Range(s):** GSM900:33.45dBm Max, DCS1800:30.87dBm Max

LTE Band1: 22.37dBm Max, LTE Band 3:21.93dBm Max, LTE Band 7:21.69dBm Max,

LTE Band 8:21.85dBm Max, LTE Band 20:22.56dBm Max, LTE Band 38:22.40dBmMax,

LTE Band 40:22.71dBm Max

**Modulation Type(s):** GSM/GPRS :GMSK

LTE:QPSK/16QAM/64QAM

**Channel Spacing(s):** 200kHz for GSM ,100kHz for LTE

**Duty Cycle:** N/A

**Microprocessor Model Number(s):** ASR1601

**Antenna Type(s) and Gain(s):**

GSM900:-2.34dBi

DCS1800: 1.85dBi

LTE Band 1: 1.69dBi

LTE Band 3:1.85dBi

LTE Band 7:1.13dBi

LTE Band 8: -2.34dBi

LTE Band 20: 0.91dBi

LTE Band 38: 1.15dBi

LTE Band 40: 3.63dBi

Essential Requirement		Applied Specifications/Standards	Documentary Evidence	Result
Art. 3.1(a)	Safety	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	Test Report	Pass
Art. 3.1(a)	Health	EN 62311:2008	Test Report	Pass
Art. 3.1(b)	EMC	ETSI EN301489-1 V2.2.3(2019-11);ETSI EN301489-52 V1.1.0(2016-11)	Test Report	Pass
Art. 3.2	Radio	ETSI EN 301 511 V12.5.1(2017-03);ETSI EN 301 908-1 V13.1.1 2019-11) ; ETSI EN 301 908-13 V13.1.1(2019-11)	Test Report	Pass

**Examination Result:** Based on the reports provided and the information therein, the equipment referenced above is compliant to these specifications.

The scope of evaluation relates to the submitted documents only.

This Certificate is issued in accordance with Annex III, Module B, of the RE directive 2014/53/EU of 16 April 2014 and is only valid in conjunction with the attached Annex.



Tom Zhang  
Technical Reviewer  
REDCA Program, Eurofins MET Labs

**Project Number: 1073-09-2020-109749**

### Technical Construction File (TCF) Details

<i>To demonstrate conformity with Article 3.1(a) Health</i>		
Applied Standards		
EN 62311:2008		
Report or Certificate No.	Issue Date	Issued by
UL15820200826CE020-4	9/12/2020	Unilab (Shanghai) Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.1(a) Safety</i>		
Applied Standards		
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013		
Report or Certificate No.	Issue Date	Issued by
UL15820200826CE020-5	9/13/2020	Unilab (Shanghai) Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.1(b) EMC</i>		
Applied Standards	Version	
ETSI EN301489-1	V2.2.3(2019-11);	
ETSI EN301489-52	V1.1.0(2016-11)	
Report or Certificate No.	Issue Date	Issued by
UL15820200826CE020-3	8/22/2020	Unilab (Shanghai) Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.2 Spectrum Efficiency</i>		
Applied Standards	Version	
ETSI EN 301 511	V12.5.1(2017-03);	
ETSI EN 301 908-1	V13.1.1 2019-11) ;	
ETSI EN 301 908-13	V13.1.1(2019-11)	
Report or Certificate No.	Issue Date	Issued by
UL15820200826CE020-1	9/12/2020	Unilab (Shanghai) Testing Technology Co., Ltd.
UL15820200826CE020-2	9/12/2020	Unilab (Shanghai) Testing Technology Co., Ltd.