

EU TYPE EXAMINATION CERTIFICATE

Issue Date: 9/21/2020

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: A7670E

Product Description: LTE /GSM MODULE

Serial Number: D10620322FC7B6F

Hardware version: V1.03

Software version: A7670M7_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)

Transmit Power Range(s):

GSM900:33.82dBm Max, DCS1800:30.8dBm Max
LTE Band1:21.75dBm Max, LTE Band 3:22.84dBm Max, LTE Band 7:21.36dBm Max,
LTE Band 8:22.46dBm Max, LTE Band 20:21.76dBm 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: -2.34 dBi
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

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); ETSI EN 301489-19 V2.1.1(2019-04)	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); ETSI EN 301 908-2 V13.1.1(2020-06); ETSI EN 303413 V1.1.1(2017-06)	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: 1077-09-2020-109750

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
UL15820200821CE019-4	09/12/2020	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
UL15820200821CE019-5	09/12/2020	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);	
ETSI EN 301489-19	V2.1.1(2019-04)	
Report or Certificate No.	Issue Date	Issued by
UL15820200821CE019-3	09/11/2020	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);	
ETSI EN 301 908-2	V13.1.1(2020-06);	
ETSI EN 303413	V1.1.1(2017-06)	
Report or Certificate No.	Issue Date	Issued by
UL15820200821CE019-1	09/11/2020	Unilab (Shanghai) Testing Technology Co., Ltd.
UL15820200821CE019-2	09/12/2020	Unilab (Shanghai) Testing Technology Co., Ltd.