

EU TYPE EXAMINATION CERTIFICATE

Issue Date: 1/7/2020

Applicant:

SIMCom Wireless Solutions Limited
No.633, Jinzhong Rd, Changning Dist.
Shanghai, P.R.China

Manufacturer:

Same as Applicant

Model Number/Name: SIM7070G, SIM7070G-PCIE

Product Description: NB/GSM/GNSS MODULE

Serial Number: N/A

Hardware version: V1.03

Software version: R1951.01

Frequency Band(s):

GSM 900:880~915MHz;
DCS 1800:1710~1785MHz;
NB-IoT Band3:1710.1-1784.9MHz;
NB-IoT Band8:880.1-914.9MHz;
NB-IoT Band20:832.1-861.9MHz;
NB-IoT Band28:703.1-747.9MHz;
GPS: 1574.4MHz~1576.44MHz;
GLONASS: 1598MHz~1606MHz

Transmit Power Range(s):

31.65dBm for GSM900
30.12dBm for DCS1800
20.44dBm for NB-IoT Band3;
20.32dBm for NB-IoT Band8;
19.98dBm for NB-IoT Band20;
20.27dBm for NB-IoT Band28

Modulation Type(s):

GMSK for GSM/GPRS;
8PSK for EGPRS;
UL:BPSK+QPSKDL:QPSK for NB-IoT;
BPSK for GPS and GLONASS

Channel Spacing(s): 200Hz

Duty Cycle: N/A

Microprocessor Model Number(s): MDM9205

Antenna Type(s) and Gain(s):

External antenna
GSM900:2dBi;
DCS1800:3dBi;
NB-IoT Band3:3dBi;
NB-IoT Band8:2dBi;
NB-IoT Band20:2dBi;
NB-IoT Band28:2dBi

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 EN 301 489-1 V2.2.3 (2019-11); ETSI EN 301 489-52 V1.1.0 (2016-11); ETSI EN301 489-19 V2.1.1	Test Report	Pass
Art. 3.2	Radio	ETSI EN 301 908-1 V13.1.1 (2019-11); ETSI EN 301 908-13 V13.1.1(2019-11); ETSI EN 301 511 V12.5.1 (2017-03); ETSI EN303 413V1.1.1	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.

Grace xi

Grace Xi

Technical Reviewer

REDCA Program, Eurofins MET Labs

Project Number: 700-01-2020-106694 Rev. 1

Eurofins MET Laboratories Inc. (Eurofins E&E North America) is part of the Eurofins Electrical & Electronics (E&E) global compliance network

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
UL15820191106CE003-6	12/10/19	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+A12:2010+A12:2011+A2:2013		
Report or Certificate No.	Issue Date	Issued by
UL15820191106CE003-7	12/15/19	Unilab (Shanghai) Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.1(b) EMC</i>		
Applied Standards	Version	
ETSI EN 301 489-1	V2.2.3 (2019-11)	
ETSI EN 301 489-52	V1.1.0 (2016-11)	
ETSI EN301 489-19	V2.1.1	
Report or Certificate No.	Issue Date	Issued by
UL15820191106CE003-5	12/31/19	Unilab (Shanghai) Testing Technology Co., Ltd.
UL15820191106CE003-4	12/31/19	Unilab (Shanghai) Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.2 Spectrum Efficiency</i>		
Applied Standards	Version	
ETSI EN 301 908-1	V13.1.1 (2019-11)	
ETSI EN 301 908-13	V13.1.1(2019-11)	
ETSI EN 301 511	V12.5.1 (2017-03)	
ETSI EN303 413	V1.1.1	
Report or Certificate No.	Issue Date	Issued by
UL15820191106CE003-3	12/10/19	Unilab (Shanghai) Testing Technology Co., Ltd.
UL15820191106CE003-2	12/10/19	Unilab (Shanghai) Testing Technology Co., Ltd.
UL15820191106CE003-1	12/10/19	Unilab (Shanghai) Testing Technology Co., Ltd.