EU TYPE EXAMINATION CERTIFICATE

Issue Date: 5/8/2020

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

Manufacturer:
Same as Applicant

Model Number/Name: SIM7080G

Product Description: NB/CAT-M/GNSS MODULE
Serial Number: N/A
Hardware version: V1.03
Software version: R1951.01
Frequency Band(s):
UL: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;
Cat-M1Band1:1920-1980MHz,Cat-M1Band3:1710-1785MHz,Cat-M1Band8:880-915MHz,Cat-M1Band20:832-862MHz,Cat-M1Band28:703-748MHz
DL: NB-IoT Band3:1805.1-1879.9MHz;NB-IoT Band8:925.1-959.9MHz;NB-IoT Band20:791.1-820.9MHz;NB-IoT Band28:758.1-802.9MHz; Cat-M1 Band1:2110-2170MHz;Cat-M1 Band3:1805-1880MHz;Cat-M1Band8:925-960MHz；Cat-M1 Band20:791-821MHz；Cat-M1 Band28:758-803MHz
Transmit Power Range(s):
20.44dBm for NB-IoT Band3; 20.32dBm for NB-IoT Band8; 19.98dBm for NB-IoT Band20; 20.27dBm for NB-IoT Band28;
Cat-M1Band1: 20.41dBm ,Cat-M1Band3: 20.81dBm ,Cat-M1Band8:19.80dBm ,Cat-M1Band20: 20.18dBm ,Cat-M1Band28: 19.67dBm
Modulation Type(s):
GMSK for GSM/GPRS;8PSK for EGPRS; UL:BPSK+QPSKDL:QPSK for NB-IoT; BPSK for GPS and GLONASS;OPSK&16QAM for Cat-M1
Channel Spacing(s): 200Hz
Duty Cycle: N/A
Microprocessor Model Number(s): MDM9205
Antenna Type(s) and Gain(s):
External antenna
NB-IoT Band3:3dBi;NB-IoT Band8:2dBi;NB-IoT Band20:2dBi;NB-IoT Band28:2dBi
Cat-M1 Band1:3dBi; Cat-M1 Band3:3dBi; Cat-M1 Band8:2dBi; Cat-M1 Band20:3dBi; Cat-M1 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); draft 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 303 413 V1.1.1	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.

Tom Zhang
Technical Reviewer
REDCA Program, Eurofins MET Labs

Project Number: 828-05-2020-107880 Rev. 1

Technical Construction File (TCF) Details

To demonstrate conformity with Article 3.1(a) Health		
Applied Standards		
EN 62311:2008		
Report or Certificate No.	Issue Date	Issued by
UL15820191106CE004-5	04/10/2020	Unilab (Shanghai) Testing Technology Co., Ltd.
To demonstrate conformity with Article 3.1(a) Safety		
Applied Standards		
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013		
Report or Certificate No.	Issue Date	Issued by
UL15820191106CE004-6	04/10/2020	Unilab (Shanghai) Testing Technology Co., Ltd.
To demonstrate conformity with Article 3.1(b) EMC		
Applied Standards	Version	
ETSI EN 301 489-1	V2.2.3 (2019-11);	
draft EN 301 489-52	V1.1.0 (2016-11),	
ETSI EN 301 489-19	V2.1.1	
Report or Certificate No.	Issue Date	Issued by
UL15820191106CE004-4	03/20/2020	Unilab (Shanghai) Testing Technology Co., Ltd.
UL15820191106CE004-3	04/15/2020	Unilab (Shanghai) Testing Technology Co., Ltd.
To demonstrate conformity with Article 3.2 Spectrum Efficiency		
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 303 413	V1.1.1	
Report or Certificate No.	Issue Date	Issued by
UL15820191106CE003-10	04/20/2020	Unilab (Shanghai) Testing Technology Co., Ltd.
UL15820191106CE004-2	04/10/2020	Unilab (Shanghai) Testing Technology Co., Ltd.
UL15820191106CE004-1	04/10/2020	Unilab (Shanghai) Testing Technology Co., Ltd.