EU TYPE EXAMINATION CERTIFICATE

Issue Date: September 9, 2021

Applicant:
SIMCom Wireless Solutions Limited
Building 3,No. 289, Linhong Road, Changning District
Shanghai, P.R.China

Manufacturer:
Same as Applicant

Model Number/Name: SIM7600E-H miniPCIE, SIM7600E-H

Product Description: LTE /HSPA/GSM/GNSS MODULE
Serial Number: N/A
Hardware version: V1.02
Software version: SIM7600M22_V2.0.1
Frequency Band(s):
GPS: 1559MHz - 1610 MHz(RX)
GSM900: 880-915MHz(TX), 925-960MHz(RX)
GSM1800: 1710-1785MHz(TX), 1805-1880MHz(RX)
WCDMA：
Band1 1920-1980MHz(TX), 2110-2170MHz(RX)
Band8 880-915MHz(TX), 925-960MHz(RX)
LTE：
Band1 1920-1980MHz(TX), 2110-2170MHz(RX)
Band3 1710-1785MHz(TX), 1805-1880MHz(RX)
Band7 2500-2570MHz(TX), 2620-2690MHz(RX)
Band8 880-915MHz(TX), 925-960MHz(RX)
Band20 832-862MHz(TX), 791-821MHz(RX)
Band38 2570-2620MHz(TX), 2570-2620MHz(RX)
Band40 2300-2400MHz(TX), 2300-2400MHz(RX)
Transmit Power Range(s):
GSM900：31.74dBm
GSM1800：27.95dBm
WCDMA ： Band1 23.8dBm
Band8 23.6dBm
LTE ： Band1 22.2dBm
Band3 22.5dBm
Band7 23.1dBm
Band8 22.3dBm
Band20 21.8dBm
Band38 23.3dBm
Band40 23.0dBm
Modulation Type(s):
GPRS: GMSK
EGPRS: 8PSK
WCDMA: QPSK, 16QAM

Model: SIM7600E-H miniPCIE, SIM7600E-H

LTE: QPSK, 16QAM
GPS: BPSK

Channel Spacing(s): GSM:200KHz WCDMA:200KHz LTE:100KHz
Duty Cycle: N/A
Microprocessor Model Number(s): WTR-2965
Antenna Type(s) and Gain(s):
GSM900 0.03dBi GSM1800 3.12dBi
WCDMA Band1 2.12dBi Band8 0.03dBi
LTE Band1 2.12dBi Band3 3.12dBi Band7 2.90dBi Band8 0.03dBi Band20 0.62dBi Band38 1.64dBi Band40 3.52dBi

Essential Requirement		Applied Specifications/Standards	Documentary Evidence	Result
Art. 3.1(a)	Safety	EN/IEC 62368-1:2020	Test Report	Pass
Art. 3.1 (a)	Health	EN IEC 62311:2020	Test Report	Pass
Art. 3.1(b)	EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) Draft ETSI EN 301 489-19 V2.2.0 (2020-09) Draft ETSI EN 301 489-52 V1.1.2(2020-12) EN 55032 2015 EN 55035 2017	Test Report	Pass
Art. 3.2	Radio	ETSI EN 303 413 V1.1.1 ETSI EN 301 908-1 V13.1.1 ETSI EN 301 908-2 V13.1.1 ETSI EN 301 908-13 V13.1.1 ETSI EN 301 511 V12.5.1(2017-03)	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 Electrical and Electronic Testing NA, Inc.

Project Number: 1476-9-2021-114660

Model: SIM7600E-H M.2 PCIE, SIM7600E-H

Technical Construction File (TCF) Details

To demonstrate conformity with Article 3.1(a) Health

Applied Standards

EN IEC 62311:2020

Report or Certificate No.	Issue Date	Issued by
I21W00023-Rev1	09/02/2021	Chongqing Academy of Information and Communications Technology

To demonstrate conformity with Article 3.1(a) Safety

Applied Standards

EN/IEC 62368-1:2020

Report or Certificate No.	Issue Date	Issued by
I21W00023-Safety	08/17/2021	Chongqing Academy of Information and Communications Technology

To demonstrate conformity with Article 3.1(b) EMC

Applied Standards	Version
ETSI EN 301 489-1	V2.2.3 (2019-11)
Draft ETSI EN 301 489-19	V2.2.0 (2020-09)
Draft ETSI EN 301 489-52	V1.1.2(2020-12)
EN 55032 2015	
EN 55035 2017	

Report or Certificate No.	Issue Date	Issued by
I21W00023-EMC_Rev1	09/01/2021	Chongqing Academy of Information and Communications Technology

To demonstrate conformity with Article 3.2 Spectrum Efficiency

Applied Standards	Version
ETSI EN 303 413	V1.1.1
ETSI EN 301 908-1	V13.1.1
ETSI EN 301 908-2	V13.1.1
ETSI EN 301 908-13	V13.1.1
ETSI EN 301 511	V12.5.1(2017-03)

Report or Certificate No.	Issue Date	Issued by
I21W00023-GPS RF	08/18/2021	Chongqing Academy of Information and Communications Technology
I21W00023- GSM RF	08/17/2021	Chongqing Academy of Information and Communications Technology
I21W00023-LTE RF	08/17/2021	Chongqing Academy of Information and Communications Technology
I21W00023-WCDMA RF	08/17/2021	Chongqing Academy of Information and Communications Technology

Model: SIM7600E-H, miniPCIE, SIM7600E-H