Wireless Device Technical Approval Notification - In Confidence

IT'S HOW
WE CONNECT

Manufacturer	SIMCOM
Model	SIM7000E
Market Name	SIM7000E
Device Type	Embedded Module
Nature of Approval	New Device
Status	Full Approval
Conditional item	None
Software detail	1351B05SIM7000E
OS detail	Not Applicable
4G Network	Supported
3G Network	Not Supported
2G Network	Not Supported
Roaming	Supports Roaming to Europe and Americas
Approval Re-assessment Date	28 May 2020
Main Device Strengths and Key Features	None
Main Device Weaknesses	None

Date	28 May 2018
To	Paul Hamshere – Telstra Product Innovation Dingwei Lu– SIMCOM
CC	Michael Yang, David Niu – Telstra Product Innovation
From	**Nesa Packianathan** Networks| Consumer Product Engineering	Quality	Wireless Devices and Applications Address: Level 12, 18 Smith St	Parramatta NSW 2150	Australia Mobile: +61 412 308 796; Facsimile +61 298 654 709 (Insert 0 for +61 within Australia)

SOFTWARE INFORMATION

Device Software	1351B05SIM7000E
Software Interrogation Sequence	Using AT Command (ATI)
TAC	86523403
Locked to Telstra Network	No
SVN	05

HARDWARE INFORMATION

HARDWARE Version of Engineering Sample	V1.02
HARDWARE Version of production Sample	V1.02
Hardware Interrogation Sequence	Not Available

RF PLATFORM

Chipset	Qualcomm MDM9206
Chipset Firmware Version	MPSS.JO.3.0.2.c3-00140-9607_LTEONLY_PACK-1
Application Processor	ARM Cortex-A7
Application Processor Firmware Version	Qualcomm MDM9206.TX.2.0 Post-CS14 0.0.178.1a
RF Platform Used/Radio processor models	WTR-2965
Flash Chipset Type and Size	JSFAAB3YHABBG-425

ANTENNA

Is this device a Blue tick?	There will not be a Data Device coverage performance rating.
External RF connection	Yes

RADIO TECHNOLOGY SUPPORT

LTE	Yes
Device Category	CAT M1
Duplex Operation Mode	Half Duplex
Coverage Enhancement Support	Yes (CE Mode A)
Power Saving Mode(PSM)	Yes
Extended Discontinuous Reception (eDRX)	No

BAND SUPPORT

4G Network	Band 3(1800), Band 8(900), Band20(800) and Band 28(700)
3G Network	Not applicable
2G Network	Not applicable

DATA THROUGHPUT CATEGORY

4G Network	CAT M1- Half Duplex (DL - 375 Kbps, UL - 375 Kbps)*
3G Network	Not applicable

* Speed mentioned is network peak throughput

POWER CLASS

Power Class UMTS 850/ 2100	Not applicable
Power Class LTE 700/850/900/1800	3

AUDIO CODEC SUPPORTED

EFR	No
HR	No
AMR	No
AMR-WB	No
EVS	No

CONNECTIVITY

NFC	No
Wi-Fi	No
Bluetooth	No
DLNA	No

EXTRA FEATURE

External Memory	No
3G VOICE	No
4G Voice (VoLTE and E000 Call)	No
VoWiFi	No
Telstra Messaging (RCS)	No
4G Video calling (ViLTE)	No

SMS-MT	Yes
SMS-MO	Yes
MMS	No
GPS	No
AGPS	No
PAP	Yes
CHAP	Yes
USIM-OTAC	Yes
Single Stack IPv6	Yes
Dual Stack IPv4v6	Yes
Single Stack IPv6 Tethering/Wi-Fi hotspot	No
Dual Stack IPv4v6 Tethering/Wi-Fi hotspot	No
Roaming PDN/PDP Type Option	No
Device OTAC	No
USIM Variant	Integrating product dependent
SIM Toolkit	Yes
BIP	Yes
FOTA	Yes (Remote upgrade possible via proprietary procedure)
Simultaneous PDP	No
Multiple RAB Support	No

REPORTS AND DOCUMENTS

Vendor provided document

SAR	Not Applicable
SDoC	The Vendor has provided the SDoC report (Report attached below). Note that the vendor is responsible for the content of this report (and not Telstra) C02 Suppliers declaration of confc [C02 Suppliers declaration of conformity Final 100215 doc SIMCom 20180502.doc]
Hardware declaration document	Hardware declaration docume [Hardware declaration document for SIM7000E 2018-04-26.doc]
GCF/ PTCRB	GCF-CC 3.69.n
Additional Device Specification	SIM7000E_SPEC_2018-01-19.pdf [SIM7000E_SPEC_2018-01-19.pdf]
Vendor Customisation File	TelstraModuleCustomization_SIMCom.: [TelstraModuleCustomization_SIMCom.xls]

TELSTRA document

Pre-configuration Document	MSR0295_v60
Customisation Document	Not applicable
Issues Register	SIMCOM_SIM7000E_issues.xlsx [SIMCOM_SIM7000E_issues.xlsx]

ENDORSEMENT AND SIGN OFF

Consumer and Mobility Endorsement

| Engineering Director | Nesa Packianathan for | **GM** –Quality |
| | Crispin Blackall | **Director-** Consumer Product Engineering |

CONDITIONS OF APPROVAL

- Approval is provided based on the hardware and software variants submitted to, tested by and technically approved by Telstra.
- Any changes to hardware and software are to be formally submitted to Telstra in writing prior to implementation so Telstra can evaluate and/or validate the impact of the change/s
- Approval is given on basis that future software upgrades will have updated SVN values.
- Data devices Approval status will be reassessed two (2) years after initial Telstra Technical Approval.
  - o Re-assessment Date: 28 May 2020

SIMCOM to address the following issues in the Next Maintenance Release. All issues have an acceptance from Telstra Retail/ Products

Condition No	Issue No	Issue description	End Customer / Network Impact
		Outstanding class 3 issues in issues register should be addressed in future releases or products	

-- END --