

Declaration of Certifications for AEDGHWGWLPS9

CHINOTECH INTERNATIONAL LIMITED

Unit 803, Data Technology Hub
5 Chun Cheong Street,
TKO Industrial Estate,
Tseung Kwan O, N.T.
HKSAR

29th August, 2026

To whom it may concern,

We hereby declare that our product with **AEDGHWGWLPS9** is based on the hardware with **LPS8v2**, with FCC ID ZHZLPS8v2. The hardware is used in its original form without any modifications. Our contribution is limited to the addition of proprietary software, which does not alter the hardware design, function, or compliance characteristics.

As such, our product inherits all certifications and compliance approvals that apply to the hardware part number **LPS8v2**, with FCC ID ZHZLPS8v2. These include, but may not be limited to, FCC, CE, RoHS and those listed in Appendix I. Please refer to Appendix I for related certificates.

This declaration confirms that the certifications already granted to hardware part number **LPS8v2** remain valid and applicable to our product part number **AEDGHWGWLPS9**.

Should you require further documentation or supporting evidence regarding the certifications, we will be pleased to provide them upon request.

Sincerely,



Chinotech International Limited

Appendix I

TCB

GRANT OF EQUIPMENT AUTHORIZATION

TCB

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

Eurofins Product Service GmbH
Storkower Strasse 38c
D-15526 Reichenwalde,
Germany

Date of Grant: 05/26/2024

Application Dated: 05/26/2024

Dragino Technology Co., Limited.
Room 202,BaoChengTai industrial park,No.8 CaiYun
LongCheng Street,LongGang District,
Shenzhen, 518116
China

Attention: edwin chen , Manager

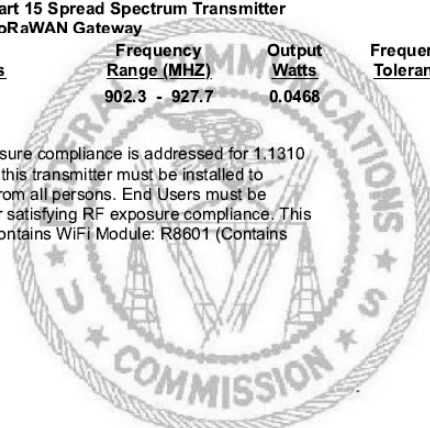
NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is
VALID ONLY for the equipment identified hereon for use under the Commission's
Rules and Regulations listed below.

FCC IDENTIFIER: ZHZLPS8V2
Name of Grantee: Dragino Technology Co., Limited.
Equipment Class: Part 15 Spread Spectrum Transmitter
Notes: LoRaWAN Gateway

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	902.3 - 927.7	0.0468		

Output Power listed is peak conducted. RF exposure compliance is addressed for 1.1310 and 2.1091 MPE limits. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons. End Users must be provided with transmitter operation conditions for satisfying RF exposure compliance. This LoRa product contains DTS Mode. The device contains WiFi Module: R8601 (Contains FCC ID: ZHZR8601)



Shenzhen ZKT Technology Co., Ltd.
1/F, No. 101, Building B, No. 6, Tangwei Community Industrial
Avenue, Fuhai Street, Bao'an District, Shenzhen, China



Certificate of Compliance

Certificate Number: ZKT-2203011238C

Certificate's Holder : Dragino Technology Co., Limited
Room 202, Block B, BCT Incubation Bases, No.8
CaiYunRoad LongCheng Street, LongGang District,
Shenzhen 518116, China

Manufacturer : Dragino Technology Co., Limited
Room 202, Block B, BCT Incubation Bases, No.8
CaiYunRoad LongCheng Street, LongGang District,
Shenzhen 518116, China

Trade Mark : DRAGINO

Product : LoRaWAN Indoor Gateway

Model(s) : HP0C
LPS8v2

Test Standard	: Art.3.1(a)	Safety	EN IEC 62368-1:2020+A1:2020
	: Art.3.1(a)	Health	EN 62311:2008 EN 50665:2017
	: Art.3.1(b)	EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-3 V2.1.2 (2021-03)
	: Art.3.2	Radio	ETSI EN 300 220-1 V3.1.1 (2017-02) ETSI EN 300 220-2 V3.2.1 (2018-06)

This Attestation of Compliance is issued on a voluntary basis for electrical equipment below the voltage limits of Radio Equipment Directive (RED) 2014/53/EU. The essential requirement are fulfilled accordingly based on the technical specifications applicable at the time of issuance.



This Certificate of Conformity is based on single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant Directives to be observed.

+86-400 000 9970 +86-755-2233 6688 zkt@zkt-lab.com www.zkt-lab.com

UONE

CERTIFICATE OF CONFORMITY

No.: U07702220524622-1E

Applicant : Dragino Technology Co., Limited
Address : Room 202, Block B, BCT Incubation Bases, No.8 CaiYunRoad LongCheng Street, LongGang District ; Shenzhen 518116,China
Manufacturer : /
Address : /
Trade Mark : DRAGINO
Sample Name : LoRaWAN Indoor Gateway
Model No. : HP0C, LPS8v2

The submitted sample of the above mentioned product has been tested and found to comply with the following European Directive:

RoHS Directive 2011/65/EU & (EU) 2015/863

The standard(s) used for showing compliance with the essential requirements:

Applicable Standard(s)	Test Report(s) Number
IEC 62321-1:2013, IEC 62321-2:2021 IEC 62321-3-1:2013 IEC62321-4: 2013+A1:2017, IEC 62321-5:2013 IEC 62321-6:2015, IEC 62321-7-1: 2015 IEC 62321-7-2: 2017, IEC 62321-8: 2017	U07702220524622-1E

The submitted samples have been tested by UONE with the listed standards and found in conformity with the Directive 2011/65/EU & (EU) 2015/863 of the European Parliament and of the Council with regard to the restriction of the use of certain hazardous substances in electrical and electronic equipment. It is possible to use CE marking to demonstrate the conformity with this Directive.

This certification is part of the full test report(s) and should be read in conjunction with it. The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo. Other CE marking directives may apply have not been considered during the RoHS assessment.

The CE mark as shown below can be used under the responsibility of the relevant finished-product manufacturer, after completion of an EU Declaration of Conformity and compliances with all relevant EU Directives.



RoHS



Shen Zhen UONE Test Co., LTD.

Unit 4B, Building B4, China Merchants Guangming Science Park, Tourist Road 3009, Guangming New District, Shenzhen

Tel: 0755-23695858

Fax: 0755-23699878

E-mail: Service@uonetest.com

http://www.uonetest.com

TCB

**GRANT OF EQUIPMENT
AUTHORIZATION**

TCB

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

Eurofins Product Service GmbH
Storkower Strasse 38c
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Date of Grant: 05/26/2024
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Dragino Technology Co., Limited.
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LongCheng Street,LongGang District,
Shenzhen, 518116
China

Attention: edwin chen , Manager

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is
VALID ONLY for the equipment identified hereon for use under the Commission's
Rules and Regulations listed below.

FCC IDENTIFIER: ZHZLPS8V2
Name of Grantee: Dragino Technology Co., Limited.
Equipment Class: Digital Transmission System
Notes: LoRaWAN Gateway

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	923.3 - 927.5	0.0474		

Output Power listed is peak conducted. RF exposure compliance is addressed for 1.1310
and 2.1091 MPE limits. The antenna(s) used for this transmitter must be installed to
provide a separation distance of at least 20 cm from all persons. End Users must be
provided with transmitter operation conditions for satisfying RF exposure compliance. This
LoRa product contains Hybrid Mode. The device contains WiFi Module: R8601 (Contains
FCC ID: ZHZR8601)



Dragino Technology Co., Limited
Room 202, Block B, BCT Incubation Bases, No.8 CaiYunRoad
LongCheng Street, LongGang District ; Shenzhen 518116, China
www.dragino.com sales@dragino.com
Direct: +86 755 86610829 | Fax: +86 755 86647123

Declaration of Conformity

To whom it may concern,

We, **Dragino Technology Co., Limited** certify and declare under our responsibility that the LoRa Model no: **HP0C, LPS8v2** does comply with Radio Equipment Directive (RED) 2014/53/EU and RoHS Directive 2011/65/EU & (EU) 2015/863. The product should be marked with **CE** mark.

It's in conformity with the following applicable relevant harmonized legislations.

The relevant tests are:

Essential Requirement	Test Standard
Article 3.1a Protection requirement for health and safety	EN IEC 62368-1:2020+A11:2020 EN 62311:2008 EN 50665:2017
Articles 3.1b Protection requirements for electromagnetic compatibility (EMC)	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-3 V2.1.2 (2021-03)
Articles 3.2 Effective use of the radio spectrum	ETSI EN 300 220-1 V3.1.1 (2017-02) ETSI EN 300 220-2 V3.2.1 (2018-06)
RoHS 2.0	IEC 62321-1:2013, IEC 62321-2:2021 IEC 62321-3-1:2013 IEC 62321-4: 2013+A1:2017, IEC 62321-5:2013 IEC 62321-6:2015, IEC 62321-7-1: 2015 IEC 62321-7-2: 2017, IEC 62321-8: 2017

Thanks for your kindly attention

Yours Faithfully,
Name: Edwin Chen
Title of responsible: Manager Director


Signature and Stamp
Date: 2022-7-24



CERTIFICATE RED-3396

Issue no. 2

EU TYPE EXAMINATION CERTIFICATE
RADIO EQUIPMENT DIRECTIVE 2014/53/EU

Product LTE Module

Model EC21-EU, EC21-EU MINIPCIE

Series models List on page 2&3

Trademark Quectel

Certificate holder / Manufacturer Quectel Wireless Solutions Co., Ltd.
Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road,
Minhang District, Shanghai 200233, China

Other information -

Compliance with the requirements on the basis of type examination Product fulfils the requirements of the standard(s) listed on page 2 and the essential requirements set out in Article 3.3d (Cyber security) of the Radio Equipment Directive 2014/53/EU.

Validity This certificate is valid until 2030-06-11 unless the standard in question has been amended or superseded.

The delegated regulation (EU) 2022/30 amended by 2023/2444 is applicable from 2025-08-01 on. Regarding articles 3.3d this certificate will come into effect on 2025-08-01.

Date of issue 2025-06-11

SGS Fimko Oy

Signature



Eddy Zong
Certifier

SGS Fimko Oy is a Notified Body (0598) according to the RE Directive 2014/53/EU.

Page 1 of 4

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Certificate issued by

SGS Fimko Oy

Takomotie 8

FI-00380 Helsinki, Finland

t. +358 9 696 361 www.sgs.com

Business ID 0634247-4

Member of the SGS Group (SGS SA)



Applied standards

Article	Standard
3.3d	EN 18031-1:2024

Test reports

Testing Laboratory	Report Number	Date
SGS-CSTC	SHCS241100018501	2025-04-22

Technical information

Model	Software version	Hardware Version	Cybersecurity Verison
EC21-EU	EC21EUGAR08A02M4G	R1.0	LTENBP5C44R EDDAVN001
EC21-EU MINIPCIE			
EC21-EUX	EC21EUXGAR08A08M1G	R2.0	
EC21-EUX MINIPCIE			
EC25-EC	EC25ECGAR06A16M1G	R2.0	
EC25-EC MINIPCIE			
EC21-EC	EC21EUGAR08A02M4G	R2.0	
EC21-EC MINIPCIE			
EG91-E	EG91EFBR06A13M4G	R1.0	
EG95-E	EG95EFBR06A10M4G	R1.0	
EG91-EX	EG91EXGAR08A18M1G	R1.0	
EG95-EX	EG95EXGAR08A09M1G	R1.0	
EG92-EU	EG92EUGAR08A03M4G	R1.0	
EC21-E	EC21EFAR06A12M4G	R2.0	
EC21-E MINIPCIE		R3.0	
EC25-E	EC25EFAR06A21M4G	R4.0	
EC25-E MINIPCIE			
EC25-EU	EC25EUGAR06A11M4G	R1.0	
EC25-EU MINIPCIE			
EC25-EUX	EC25EUXGAR08A19M1G	R2.0	
EC25-EUX MINIPCIE			
EC25-EM	EC25EMGAR08A06M4G	R1.0	
EC25-EM MINIPCIE			
EC25-EB	EC25EBGAR07A06M2G	R1.1	
EC25-EUC	EC25EUCGAR08A06M2G	R1.0	
	EC25EUCGDR08A03M1G	R1.1	
EG91-AUX	EG91AUXGAR08A13M1G	R1.0	
EG95-AUX	EG95AUXGAR08A07M1G	R1.0	
EC21-AUX	EC21AUXGAR08A08M1G	R2.0	
EC21-AUX MINIPCIE			
EC25-AUX	EC25AUXGAR08A15M1G	R2.0	
EC25-AUX MINIPCIE			
EM05-E	EM05EFAR06A06M4G	R1.0	
EM05-G	EM05GFAR07A07M1G	R1.0	
EG21-G	EG21GGBR07A11M1G	R1.0	
EG21-G MINIPCIE			
EG25-G	EG25GGBR07A08M2G	R1.0	
EG25-G MINIPCIE			
EG21-GL	EG21GLGAR07A03M1G	R1.0	
EG21-GL MINIPCIE			
EG25-GL	EG25GLGAR07A03M1G	R1.0	
EG25-GL MINIPCIE			

Technical information

Other technical details which are not relevant for the Cyber security features are listed in the type examination certificates:

Model	TEC No.	Issue date	Issue by
EC21-EU	182140407/AA/02	2023-06-28	Kiwa Nederland B.V.
EC21-EU MINIPICIE			
EC21-EUX	E1177-232891	2023-03-30	TIMCO Engineering, Inc.
EC21-EUX MINIPICIE			
EC25-EC	182140410/AA/03	2023-05-17	Kiwa Nederland B.V.
EC25-EC MINIPICIE			
EC21-EC	232140174/AA/00	2023-05-17	
EC21-EC MINIPICIE			
EG91-E	232140194/AA/01	2023-08-01	
EG95-E	192140482/AA/02	2023-05-24	
EG91-EX	192140302/AA/03	2023-04-13	
EG95-EX	192140301/AA/02	2023-04-13	
EG92-EU	E1177-233460	2023-10-16	TIMCO Engineering, Inc.
EC21-E	E1177-233069	2023-05-31	
EC21-E MINIPICIE	E1177-243799	2024-01-19	
EC25-E	E1177-233017	2023-05-09	
EC25-E MINIPICIE			
EC25-EU	182140379/AA/02	2023-05-17	Kiwa Nederland B.V.
EC25-EU MINIPICIE			
EC25-EUX	E1177-232890	2023-03-30	TIMCO Engineering, Inc.
EC25-EUX MINIPICIE			
EC25-EM	E1177-222152	2022-08-09	
EC25-EM MINIPICIE			
EC25-EB	222140367/AA/00	2022-07-18	Telefication
EC25-EUC	NB2906.2023.000380	2023-12-26	SGS North America Inc.
	NB2906.2023.000380-01	2024-01-04	
EG91-AUX	E1177-233123	2023-07-03	TIMCO Engineering, Inc.
EG95-AUX	E1177-233086	2023-07-03	
EC21-AUX	192140487/AA/03	2023-06-20	Kiwa Nederland B.V.
EC21-AUX MINIPICIE			
EC25-AUX	192140559/AA/03	2023-06-14	
EC25-AUX MINIPICIE			
EM05-E	SN23C0083	2023-05-24	Sporton International (USA) Inc.
EM05-G	NB2906.2025.000161	2025-04-23	SGS North America Inc.
EG21-G	E1177-232952	2023-04-17	TIMCO Engineering, Inc.
EG21-G MINIPICIE			
EG25-G	NB2906.2025.000162	2025-04-23	SGS North America Inc.
EG25-G MINIPICIE			
EG21-GL	E1177-232795	2023-03-01	TIMCO Engineering, Inc.
EG21-GL MINIPICIE			
EG25-GL	E1177-232763	2023-02-24	
EG25-GL MINIPICIE			

Additional information

This type examination certificate is based on the inspection of the technical documentation ref. no. TF_SH-CERT250301943-02 provided by the manufacturer.

According to the manufacturer's declaration, these models mentioned in this TEC share the same cybersecurity version, and the difference between these models does not impact the cybersecurity functionality.

This certificate is valid only for the models mentioned in this certificate.

This type examination certificate supersedes and cancels the earlier issued type examination certificate no. RED-3396 Issue 1 dated on 2025-03-20 due to add new series models.

The manufacturer must inform SGS Fimko if any technical or electrical changes made to the product covered by this certificate, as unauthorised modifications would invalidate this certificate.



EU – TYPE EXAMINATION CERTIFICATE
RADIO EQUIPMENT DIRECTIVE 2014/53/EU
Annex III Module B

MANUFACTURER

Name	:	Quectel Wireless Solutions Company Limited.
Address	:	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233
Contact Name & Title	:	Jean Hu, Manager
Email	:	jean.hu@quectel.com
Phone number	:	+86-21-51086236 ext 6511

PRODUCT DESCRIPTION

Trademark/Trade Name	:	QUECTEL
Model Number	:	EC25-EUX, EC25-EUX MINIPCIE
Product Description	:	LTE Cat.4 Module

NOTIFIED BODY

Certificate issued by	:	Notified Body 1177, TIMCO Engineering, Inc.
Certificate number	:	E1177-232890(Original Certificate: E1177-211097, Oct. 13, 2021)
Name and Signature	:	Bruno Clavier <i>Bruno Clavier</i> Date: March 30, 2023

The device shall be marked as follows:



Based on the evidence presented in the Technical Documentation, TIMCO Engineering, Inc., as appointed Notified Body, has issued this EU-Type Examination Certificate in accordance with Annex III Module B. The product described appears to be in conformity with the essential requirements Article 3.1(a), 3.1(b) and 3.2 of RED 2014/53/EU. This certificate relates only to the documents as provided to Timco Engineering, Inc. and is valid up to (1) the date of cessation of presumption of conformity of any of the superseded standards which were used for testing this product and assessed by Notified Body or (2) the date of modifications to the approved type that may affect the conformity of the apparatus with the essential requirements of this Directive or the conditions for validity of that certificate, whichever comes first.

TIMCO Engineering, Inc.
849 NW State Road 45
Newberry, FL 32669
www.timcoengr.com
A2LA Accredited
(Certificate No. 0955.02)

This Certificate is issued under the provision that TIMCO Engineering, Inc. nor its subsidiary companies accept any liability concerning the contents of this document other than forced by law. Reproduction of the Certificate (with Annex) in full is allowed. Reproduction of parts of this certificate may only be allowed by written permission of TIMCO Engineering, Inc.

EU – TYPE EXAMINATION CERTIFICATE

E1177-232890

Date: March 30, 2023

PRODUCT SPECIFICATIONS

Intended Use / Category :	WCDMA Band 1
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	1920 ~ 1980MHz
Modulation :	BPSK, QPSK
Antenna type :	Dipole Antenna

Intended Use / Category :	WCDMA Band VIII
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	880 ~ 915MHz
Modulation :	BPSK, QPSK
Antenna type :	Dipole Antenna

Intended Use / Category :	LTE Band 1
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	1920 ~ 1980MHz
Modulation :	QPSK, 16QAM
Antenna type :	Dipole Antenna

Intended Use / Category :	LTE Band 3
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	1710 ~ 1785MHz
Modulation :	QPSK, 16QAM
Antenna type :	Dipole Antenna

Intended Use / Category :	LTE Band 7
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	2500 ~ 2570MHz
Modulation :	QPSK, 16QAM
Antenna type :	Dipole Antenna

Intended Use / Category :	LTE Band 8
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	880 ~ 915MHz
Modulation :	QPSK, 16QAM
Antenna type :	Dipole Antenna

Intended Use / Category :	LTE Band 20
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	832 ~ 862MHz
Modulation :	QPSK, 16QAM
Antenna type :	Dipole Antenna

Intended Use / Category	:	LTE Band 28
RF output power	:	25dBm (Conducted Rated)
Frequency range (MHz)	:	703 ~ 733MHz
Modulation	:	QPSK, 16QAM
Antenna type	:	Dipole Antenna

Intended Use / Category	:	LTE Band 38
RF output power	:	25dBm (Conducted Rated)
Frequency range (MHz)	:	2570 ~ 2620MHz
Modulation	:	QPSK, 16QAM
Antenna type	:	Dipole Antenna

Intended Use / Category	:	LTE Band 40
RF output power	:	25dBm (Conducted Rated)
Frequency range (MHz)	:	2300 ~ 2400MHz
Modulation	:	QPSK, 16QAM
Antenna type	:	Dipole Antenna

Intended Use / Category	:	LTE Band 41
RF output power	:	25dBm (Conducted Rated)
Frequency range (MHz)	:	2555 ~ 2655MHz
Modulation	:	QPSK, 16QAM
Antenna type	:	Dipole Antenna

Intended Use / Category	:	GSM900
RF output power	:	35dBm (Conducted Rated)
Frequency range (MHz)	:	880 ~ 915MHz
Modulation	:	GMSK, 8PSK
Antenna type	:	Dipole Antenna

Intended Use / Category	:	DCS1800
RF output power	:	32dBm (Conducted Rated)
Frequency range (MHz)	:	1710~1785MHz
Modulation	:	GMSK, 8PSK
Antenna type	:	Dipole Antenna

Intended Use / Category	:	GNSS Receiver
Frequency range (MHz)	:	GPS: 1575.42MHz Galileo: 1575.42MHz BDS:1561.098MHz GLONASS:1597.5 ~ 1605.8MHz
Modulation	:	GPS/BDS/GLONASS:BPSK Galileo: CBOC
Antenna type	:	Dipole Antenna

Note: Device support non-EU Bands

According to the Technical Documentation compiled by the Manufacturer, the following standards were used:

ESSENTIAL REQUIREMENTS

Essential Requirement	Standard Number & Version
Radio (Article 3.2) :	EN 301 908-1 V15.2.1 (2023-01) EN 301 908-2 V13.1.1 (2020-06) EN 301 908-13 V13.2.1 (2022-02) EN 301 511 V12.5.1 (2017-03) EN 303 413 V1.2.1 (2021-04)
EMC (Article 3.1b) :	EN 301 489 - 1 V2.2.3 (2019-11) EN 301 489 - 19 V2.2.1 (2022-09) EN 301 489 - 52 V1.2.1 (2021-11)
Health (Article 3.1a) :	EN IEC 62311: 2020
Safety (Article 3.1a) :	EN IEC 62368-1:2020 +A11:2020

CERTIFICATE CONDITIONS:

This radio module is for professional installation only. When installing this radio module permanently into a host product to create a new radio equipment device; the manufacturer responsible for placing the final radio product on the market in the EU must assess if the combination of this radio module and the host product complies with the essential requirements of the RE Directive 2014/53/EU.

TECHNICAL DOCUMENTATION

Item	Exhibit Description	
1.	Copy of the Declaration of Conformity (Draft acceptable)	☒
2.	RED 10(10): Pictogram exhibit of the packaging or a Letter of Attestation and/or exhibits explaining compliance with Article 10(10). A draft pictogram is acceptable.	☐
3.	Operational Description and Circuit Description of the product/device, where applicable.	☒
4.	External Photos of the device	☒
5.	Internal Photos of the device	☒
6.	User manual and information and installation instructions	☒
7.	Schematic drawings	☒
8.	Block Diagrams	☒
9.	Risk Assessment. RED Annex III module B - Analysis and assessment of the risk(s) (See TGN 30 for guidance)	☒
10.	If Applicable: Modification/Standard Update/Applicant or Manufacturer info change letter explaining the changes to the existing version of the product along with supporting exhibits (e.g., photos, schematics, new applicant details, etc.) Applicable for Product Modifications, Applicant Name Change, Add Model, and Standard Update.	☒
11.	If Applicable: Previous Copy of the EU/UK-type examination certificate and annexes as delivered by other notified bodies involved in the conformity assessment (e.g., original certificates in case of product modifications, modules certificates, etc.) Where applicable.	☒
12.	Test Reports	☒
	Radio / EMC / Health / Safety	Test Report Number
	Radio RSE	2302RSU052-E1
	Radio WCDMA<E	2302RSU052-E2
	EMC	2302RSU052-E3
	Radio LTE B41	2302RSU052-E4
	Radio GSM	2107RSU065-E2
	Radio GNSS	2107RSU065-E4
	Health	2107RSU065-E5
	Safety	2107SSU025-E1

This certificate is issued under the following additional and non-exhaustive list of provisions of the Radio Equipment Directive (2014/53/EU) of the European Parliament and the Council of the European Union:

1. **Article 10(1):** When placing their radio equipment on the market, manufacturers shall ensure that it has been designed and manufactured in accordance with the essential requirements set out in Article 3.
2. **Article 10(2):** Manufacturers shall ensure that radio equipment shall be so constructed that it can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.
3. **Article 10(4):** Manufacturers shall keep a copy of the EU-type examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for 10 years after the apparatus has been placed on the market.
4. **Article 10(5):** Manufacturers shall ensure that procedures are in place for series production to remain in conformity with this Directive. Changes in radio equipment design or characteristics and changes in the harmonised standards or in other technical specifications by reference to which conformity of radio equipment is declared shall be adequately taken into account.

When deemed appropriate with regard to the risks presented by radio equipment, manufacturers shall, to protect the health and safety of end-users, carry out sample testing of radio equipment made available on the market, investigate, and, if necessary, keep a register of complaints, of non-conforming radio equipment and radio equipment recalls, and shall keep distributors informed of any such monitoring.

5. **Article 10(6):** Manufacturers shall ensure that radio equipment which they have placed on the market bears a type, batch or serial number or other element allowing its identification, or, where the size or nature of the radio equipment does not allow it, that the required information is provided on the packaging, or in a document accompanying the radio equipment.
6. **Article 10(7):** Manufacturers shall indicate on the radio equipment their name, registered trade name or registered trade mark and the postal address at which they can be contacted or, where the size or nature of radio equipment does not allow it, on its packaging, or in a document accompanying the radio equipment. The address shall indicate a single point at which the manufacturer can be contacted. The contact details shall be in a language easily understood by end-users and market surveillance authorities.

Excerpts from Blue Guide:

- If the manufacturer (declaring himself as a manufacturer by putting his name and address on the product) is **outside the EU** and the products are placed on the Union market by an importer, the product will bear two addresses: the one of the manufacturer and the one of the importer. Indicate the following three elements: his (1) name, (2) registered trade name or registered trade mark and (3) a single contact postal address at which they can be contacted on the product or when not possible because of the size or physical characteristics of the products, on its packaging and/or on the accompanying documentation. The single contact point may not necessarily be located in the Member State where the product is made available on the market. (Notes: However, if the importer acts as the manufacturer's Authorised Representative, then only the importer's address is required on the product.)
- If the original manufacturer is **outside the EU** and the importer places the product on the market under his own name or trademark or modifies the product already placed on the market (in such a way that compliance with the applicable requirements may be affected), the importer is considered the manufacturer. The only address that in this case will figure on the product (or packaging or accompanying document) is the address of the importer who is considered as the manufacturer.
- If the manufacturer is **within the EU**, the product will bear only one (manufacturer's) address as there is no importer involved.
- If the manufacturer is **within the EU** (a company located in the EU declaring itself to be a manufacturer by putting its name and address on the product) although the products are manufactured outside the EU, that company is considered to be the manufacturer who places the product on the Union market, even if actual importation is done by another company. In this case there is no importer in the meaning of the importer's definition and it is sufficient to put only the manufacturer's address.

7. **Article 10(8):** Manufacturers shall ensure that the radio equipment is accompanied by instructions and safety information in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned. Instructions shall include the information required to use radio equipment in accordance with its intended use. Such information shall include, where applicable, a description of accessories and components, including software, which allow the radio equipment to operate as intended. Such instructions and safety information, as well as any labelling, shall be clear, understandable and intelligible.
- The following information shall also be included in the case of radio equipment intentionally emitting radio waves:
- (a) frequency band(s) in which the radio equipment operates;
- (b) maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates.
8. **Article 10(9):** Manufacturers shall ensure that each item of radio equipment is accompanied by a copy of the EU declaration of conformity or by a simplified EU declaration of conformity. Where a simplified EU declaration of conformity is provided, it shall contain the exact internet address where the full text of the EU declaration of conformity can be obtained. The simplified EU declaration of conformity is to be placed in the user's manual:
- Hereby, [Name of manufacturer] declares that the radio equipment type [designation of type of radio equipment] is in compliance with Directive 2014/53/EU.*
- The full text of the EU declaration of conformity is available at the following internet address:xxxxx*
9. **Article 10(10):** In cases of restrictions on putting into service or of requirements for authorisation of use, information available on the packaging shall allow the identification of the Member States or the geographical area within a Member State where restrictions on putting into service or requirements for authorisation of use exist. Such information shall be completed in the instructions accompanying the radio equipment. The Commission may adopt implementing acts specifying how to present that information. Those implementing acts shall be adopted in accordance with the advisory procedure referred to in Article 45(2).
10. **Article 10(11):** Manufacturers who consider or have reason to believe that radio equipment which they have placed on the market is not in conformity with this Directive shall immediately take the corrective measures necessary to bring that radio equipment into conformity, to withdraw it or recall it, if appropriate. Furthermore, where the radio equipment presents a risk, manufacturers shall immediately inform the competent national authorities of the Member States in which they made the radio equipment available on the market to that effect, giving details, in particular, of the non-compliance, of any corrective measures taken and of the results thereof.
11. **Article 10(12):** Manufacturers shall, further to a reasoned request from a competent national authority, provide it with all the information and documentation in paper or electronic form necessary to demonstrate the conformity of the radio equipment with this Directive, in a language which can be easily understood by that authority. They shall cooperate with that authority, at its request, on any action taken to eliminate the risks posed by radio equipment which they have placed on the market.
12. **Article 19(2):** On account of the nature of radio equipment, the height of the CE marking affixed to radio equipment may be lower than 5 mm, provided that it remains visible and legible.
13. **Article 20(1):** The CE marking shall be affixed visibly, legibly and indelibly to the radio equipment or to its data plate, unless that is not possible or not warranted on account of the nature of radio equipment. The CE marking shall also be affixed visibly and legibly to the packaging.
14. **Annex III Module B, Point 7, Declaration of Conformity:** The manufacturer shall inform the notified body that holds the technical documentation relating to the EU-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Directive or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original EU-type examination certificate.
15. **Annex VI Declaration of Conformity, Point 8:** Where applicable, description of accessories and components, including software, which allow the radio equipment to operate as intended and covered by the EU declaration of conformity
16. **Product Specifications:** The antenna gain and any other data is provided by the applicant.



To Quetcel Wireless Solutions

Forward to Nina Dou, Edward Huang, Sammy Zhu, Yolanda Tang, Brian Conrad, Sherlock Zhao, Vincent Alcouffe, Corwin Shui, Simon Chu, Ablaze Lu, Sea Bai, Michal Gadaj, Grzegorz Bazyluk

From Maciej Zdanowski (Deutsche Telekom AG)

Contact E-Mail: Maciej.Zdanowski@t-mobile.pl

Date 6th of April 2022

Subject Deutsche Telekom Upgraded Full Certification for Quetcel EC25-EUX MINIPCIE Communication Module

Dear Quetcel Team,

Deutsche Telekom is pleased to issues an updated full certification for your **EC25-EUX MINIPCIE**.
On top of Telekom Affiliates certification your module is qualified as suitable for DT Campus Network deployments.

Concept Class	LTE Lower-category multimode module (2G/3G/LTE)
Deutsche Telekom (DT) Certification Date	06.04.2022
DT Responsible Entity / Contact	Maciej Zdanowski / maciej.zdanowski@t-mobile.pl
Certified Deutsche Telekom Affiliates*	LTE (Full certification): AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK, Campus 3G (Full certification): AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK 2G (Full certification): AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK
Module Firmware Version	EC25EUXGAR08A09M1G
Module Hardware Version	R2.0

Detailed conditions for this full certification are listed below. Below topics are not requested to be addressed in the next maintenance release as detailed solutions / workarounds are available to apply. For more details, please refer to Section V of the Module Certification Report.

- Priority – Low/Medium module-specific minor severity issues related to:
 - DT group radio protocol requirements adaptation
 - RPM functionality has to be activated manually, although it is fully customized for DT IMSIs range based on MCC-MNC

The 2G/3G/LTE module has been proven against the network setups and the certifications below, and is certified for usage in:

- Public Deutsche Telekom network (please refer to the OEM Certification Report for Deutsche Telekom Affiliate Country Codes)

As this product supports no-harm to network / communication efficiency features (e.g., GSMA TS.34 Radio Policy Manager), it is suitable for high-volume IoT projects on Deutsche Telekom networks.

Kind regards,
Deutsche Telekom AG

Maciej Zdanowski
IoT Device Verification & Engineering

Miguel Rodriguez
Sr Manager IoT Device Verification & Engineering

Address Deutsche Telekom AG
Landgrabenweg 151, 53227 Bonn

Contact + 49 228 181-0, E-Mail: info@telekom.de

Supervisory Board Prof. Dr. Ulrich Lehner (Chairman)

Board of Directors Timotheus Höttes (Chairman),

Reinhard Clemens, Niek Jan van Damme, Thomas Dannenfeldt, Srinivasan Gopalan, Dr. Christian P. Illek, Dr. Thomas Kremer, Claudia Nemat

Commercial register Amtsgericht Bonn HRB 6794

Registered office Bonn

VAT ID No. DE 123475223
WEEEReg.-No. DE50478376



To Quetel Wireless Solutions

Forward to Serena Shen, Nina Dou, Simon Chu, Jarvis Feng, Leif Fang

From Magdalena Matyjasek, Adrian Orlikowski (Deutsche Telekom AG)

Contact E-Mail: magdalena.matyjasek@t-mobile.pl; adrian.orlikowski@t-mobile.pl

Date 04th Jul 2023

Subject **Deutsche Telekom Updated Full Certification for Quetel EC25-EUX MINIPCIE Communication Module**

Dear Quetel Team,

Deutsche Telekom issues an updated full certification for your **EC25-EUX MINIPCIE** communication module.

On top of Telekom Affiliates re-certification your module is qualified as suitable for **VoLTE** deployments.

Concept Class	LTE Lower-category multimode module (2G/3G/LTE)
Deutsche Telekom (DT) Certification Date	04.07.2023
DT Responsible Entity / Contact	Magdalena Matyjasek / magdalena.matyjasek@t-mobile.pl Adrian Orlikowski / adrian.orlikowski@t-mobile.pl
Certified Deutsche Telekom Affiliates*	LTE (Full certification): AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK, Campus VoLTE (Full certification): AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK 3G (Full certification): AT, CZ, GR, HR, HU, ME, MK, NL, RO, SK 2G (Full certification): AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK
Module Firmware Version	EC25EUXGAR08A15M1G
Module Hardware Version	R2.0

Detailed conditions for this full certification are listed below. Below topics are not requested to be addressed in the next maintenance release as detailed solutions / workarounds are available to apply. For more details, please refer to Section V of the Module Certification Report.

- Priority – Low/Medium module-specific minor severity issues related to:
 - DT group radio protocol requirements adaptation
 - RPM functionality has to be activated manually, although it is fully customized for DT IMSIs range based on MCC-MNC
 - Polish characters in SMS are decoded in PDU format
 - Supplementary services over IMS need to be checked in details before this functionality will be launch on dedicated market, especially HOS APN settings (Supplementary services over IMS supported however not an object of DT certification);

Address Deutsche Telekom AG

Landgrabenweg 151, 53227 Bonn

Contact + 49 228 181-0, E-Mail: info@telekom.de

Supervisory Board Prof. Dr. Ulrich Lehner (Chairman)

Board of Directors Timotheus Höttges (Chairman),

Reinhard Clemens, Niek Jan van Damme, Thomas Dannenfeldt, Srinivasan Gopalan, Dr. Christian P. Illek, Dr. Thomas Kremer, Claudia Nemat

Commercial register Amtsgericht Bonn HRB 6794

Registered office Bonn

VAT ID No. DE 123475223

WEEEReg.-No. DE50478376



The 2G/3G/LTE module has been proven against the network setups and the certifications below, and is certified for usage in:

- Public Deutsche Telekom network (please refer to the OEM Certification Report for Deutsche Telekom Affiliate Country Codes)

As this product supports no-harm to network / communication efficiency features (e.g., GSMA TS.34 Radio Policy Manager), it is suitable for high-volume IoT projects on Deutsche Telekom networks.

Kind regards,
Deutsche Telekom AG

Adrian Orlikowski
Chief Engineer, IoT Integration
& Validation, VTI-IoT

Magdalena Matyjasek
Chief Engineer, IoT Integration
& Validation, VTI-IoT



To **Quectel Wireless Solutions**

Forward to Nina Dou, Edward Huang, Sammy Zhu, Yolanda Tang, Brian Conrad, Sherlock Zhao, Vincent Alcouffe, Corwin Shui, Simon Chu, Ablaze Lu, Sea Bai, Michal Gadaj, Grzegorz Bazyluk

From Maciej Zdanowski (Deutsche Telekom AG)

Contact E-Mail: Maciej.Zdanowski@t-mobile.pl

Date 24th Mar 2021

Subject **Full Certification for Quectel EC25-EUX MINIPCIE Communication Module**

Dear Quectel Team,

Deutsche Telekom is pleased to issues a **full certification** for your **EC25-EUX MINIPCIE**:

Concept Class	Multimode (4G/3G/2G) M2M module
Deutsche Telekom (DT) Certification Date	24.03.2021
DT Responsible Entity / Contact	ITS-IVA / Maciej Zdanowski
Certified Deutsche Telekom Affiliates*	AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK*
OEM Firmware Version	EC25EUXGAR08A06M1G
HW Version	R1.0
Chipset Make / Model	Qualcomm / MDM9207

* Please refer to the OEM Certification Report for Deutsche Telekom Affiliate Country Codes

Detailed conditions for this full certification are listed below. Below topics are not requested to be addressed in the next maintenance release as detailed solutions / workarounds are available. For more details, please refer to Section V of the Module Certification Report.

- Priority – Low/Medium module-specific minor severity issues related to:
 - DT group radio protocol requirements adaptation
 - RPM functionality has to be activated manually, although it is fully customized for DT IMSIs range based on MCC-MNC

Deutsche Telekom will consider this product to be suitable for IoT projects having large volumes, as there is already support for the no-harm to network / communication efficiency feature GSMA TS.34 Radio Policy Manager.

Maciej Zdanowski
IoT Device Verification & Engineering

Wayne Gilbert
Head of IoT Device Verification & Engineering

Address Deutsche Telekom AG
Landgrabenweg 151, 53227 Bonn

Contact + 49 228 181-0, E-Mail: info@telekom.de

Supervisory Board Prof. Dr. Ulrich Lehner (Chairman)

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Commercial register Amtsgericht Bonn HRB 6794

Registered office Bonn

VAT ID No. DE 123475223
WEEEReg.-No. DE50478376



CERTIFICATE

The Global Certification Forum Ltd advises that
Quectel Wireless Solutions Co., Ltd.

has successfully demonstrated compliance
with the GCF certification requirements of GCF-CC

For

**Quectel EC25-EUX MINIPCI
Module**

On

15-Oct-2025

GCF CC Version:
3.97.0

Status:
Published

GCF Ref. Number:
13292

This certificate has been issued by the Global Certification Forum in accordance with the requirements of the GCF PRDs. For the actual status of a device certification, please refer to the GCF web site.

The device manufacturer confirms that they are solely responsible for certifying the product and holds the GCF entirely harmless from any responsibility or liability associated with the product and/or the certification process. All GCF marks and/or certificates are provided "as is" with no representation and GCF expressly disclaims all warranties whatsoever whether express, implied statutory or otherwise. In no event shall GCF be liable for any direct, indirect, consequential or any damages whatsoever in any way connected with the use or performance of any GCF certified product whether based on contract, tort, negligence, strict liability or otherwise.

Global Certification Forum (GCF) Ltd
www.globalcertificationforum.org Email: gcf@globalcertificationforum.org
Registered Office: Suite 1, 7th Floor, 50 Broadway, London SW1H 0BL, UK.
Company Number 6594830. VAT Number: GB 948 2259 92.

Supplier's declaration of conformity



As required by the following Notices:

- > *Radiocommunications (Compliance Labelling - Devices) Notice 2014* made under section 182 of the *Radiocommunications Act 1992*;
- > *Radiocommunications Labelling (Electromagnetic Compatibility) Notice 2017* made under section 182 of the *Radiocommunications Act 1992*
- > *Radiocommunications (Compliance Labelling – Electromagnetic Radiation) Notice 2014* made under section 182 of the *Radiocommunications Act 1992* and
- > *Telecommunications (Labelling Notice for Customer Equipment and Customer Cabling) Instrument 2015* made under section 407 of the *Telecommunications Act 1997*.

Instructions for completion

- > **Do not return this form to the ACMA.** This completed form must be retained by the supplier as part of the documentation required for the compliance records and must be made available for inspection by the ACMA when requested.

Supplier's details (manufacturer, importer or authorised agent)

Company Name (OR INDIVIDUAL)

**QUECTEL WIRELESS SOLUTIONS
AUSTRALIA PTY LTD**

TRADING AS

ACN/ARBN

652 889 588

OR

New Zealand IRDN

Street Address (AUSTRALIAN or NEW ZEALAND)

3 Stirling Crescent, Glen Waverley, Victoria,

Australia

POSTCODE **3150**

Phone: **0450646886**

Product details and date of manufacture

Product description – brand name, type, current model, lot, batch or serial number (if available), software/firmware version (if applicable)

Product name: LTE Module

Brand name: Quectel

Model : EC25-EUX, EC25-EUX MINIPCIE

Date of manufacture or importation of the original/modified item

Compliance – applicable standards and other supporting documents

Evidence of compliance with applicable standards may be demonstrated by test reports, endorsed/accredited test reports, certification/competent body statements.

Having had regard to these documents, I am satisfied the above mentioned product complies with the requirements of the relevant ACMA Standards made under the *Radiocommunications Act 1992* and the *Telecommunications Act 1997*.

List the details of the documents the above statement was made, including the standard title, number and, if applicable, number of the test report/endorsed test report or certification/competent body statement

AS/CA S042.1:2022, AS/CA S042.4:2022 Report NO. : 2107RSU065-E2, 2107RSU065-E4, 2302RSU052-E1, 2302RSU052-E2, 2302RSU052-E4
AS/NZS CISPR 32: 2015 + A1:2020 Report NO. : 2302RSU052-E3
AS&NZS 2772.2: 2016/ARPANSA Standard RPS S-1: 2021 Report NO. : 2107RSU065-E5
AS/NZS 62368.1:2022 Report NO. : 2107SSU025-E1

Declaration

I hereby declare that:

1. I am authorised to make this declaration on behalf of the Company mentioned above,
2. the contents of this form are true and correct, and
3. the product mentioned above complies with the applicable above mentioned standards and all products supplied under this declaration will be identical to the product identified above.

Note: Under section 137.1 of the *Criminal Code Act 1995*, it is an offence to knowingly provide false or misleading information to a Commonwealth entity.

Penalty: 12 months imprisonment

 SIGNATURE OF SUPPLIER OR AGENT	POSITION IN ORGANISATION Director
PRINT NAME Helen Mao	DATE April 06, 2023

The *Privacy Act 1988* (Cth) (the Privacy Act) imposes obligations on the ACMA in relation to the collection, security, quality, access, use and disclosure of personal information. These obligations are detailed in the Australian Privacy Principles.

The ACMA may only collect personal information if it is reasonably necessary for, or directly related to, one or more of the ACMA's functions or activities.

The purpose of collecting the personal information in this form is to ensure the supplier is identified in the 'Declaration of conformity'. If this Declaration of Conformity is not completed and the requested information is not provided, a compliance label cannot be applied.

Further information on the Privacy Act and the ACMA's Privacy Policy is available at www.acma.gov.au/privacypolicy. The Privacy Policy contains details about how you may access personal information about you that is held by the ACMA, and seek the correction of such information. It also explains how you may complain about a breach of the Privacy Act and how we will deal with such a complaint.

Should you have any questions in this regard, please contact the ACMA's privacy contact officer on telephone on 1800 226 667 or by email at privacy@acma.gov.au.

Supplier's declaration of conformity



As required by the following Notices:

- > *Radiocommunications (Compliance Labelling - Devices) Notice 2014* made under section 182 of the *Radiocommunications Act 1992*;
- > *Radiocommunications Labelling (Electromagnetic Compatibility) Notice 2008* made under section 182 of the *Radiocommunications Act 1992*
- > *Radiocommunications (Compliance Labelling – Electromagnetic Radiation) Notice 2014* made under section 182 of the *Radiocommunications Act 1992* and
- > *Telecommunications (Labelling Notice for Customer Equipment and Customer Cabling) Instrument 2015* made under section 407 of the *Telecommunications Act 1997*.

Instructions for completion

- > **Do not return this form to the ACMA.** This completed form must be retained by the supplier as part of the documentation required for the compliance records and must be made available for inspection by the ACMA when requested.

Supplier's details (manufacturer, importer or authorised agent)

Company Name (OR INDIVIDUAL)

Alfacomm Wireless Pty Ltd

TRADING AS

ACN/ARBN

620383066

OR

Street Address (AUSTRALIAN or NEW ZEALAND)

**U13, 165-171 North Rocks Rd, North Rocks
NSW 2151, Australia**

POSTCODE **2151**

Phone: **+61 452 624 491**

New Zealand IRDN

Product details and date of manufacture

Product description – brand name, type, current model, lot, batch or serial number (if available), software/firmware version (if applicable)

Product name: LTE Cat.4 Module

Brand name: Quectel

Model : EC25-EUX,EC25-EUX MINIPCIE

Date of manufacture or importation of the original/modified item

Compliance – applicable standards and other supporting documents

Evidence of compliance with applicable standards may be demonstrated by test reports, endorsed/accredited test reports, certification/competent body statements.

Having had regard to these documents, I am satisfied the above mentioned product complies with the requirements of the relevant ACMA Standards made under the *Radiocommunications Act 1992* and the *Telecommunications Act 1997*.

List the details of the documents the above statement was made, including the standard title, number and, if applicable, number of the test report/endorsed test report or certification/competent body statement

AS/CA S042.1: 2018, AS/CA S042.4: 2018 Report NO. : REA210112W004-1, REA210112W004-2, GCA210112W004
AS/NZS CISPR 32: 2015 AMD 1:2020 Report NO. : CA210112W004
AS&NZS 2772.2: 2016 / ARPANSA Standard RPS3: 2002 Report NO. : SEA210112W004
AS/NZS 62368.1:2018 Report NO. : 210111004SAF-2

Declaration

I hereby declare that:

1. I am authorised to make this declaration on behalf of the Company mentioned above,
2. the contents of this form are true and correct, and
3. the product mentioned above complies with the applicable above mentioned standards and all products supplied under this declaration will be identical to the product identified above.

Note: Under section 137.1 of the *Criminal Code Act 1995*, it is an offence to knowingly provide false or misleading information to a Commonwealth entity.

Penalty: 12 months imprisonment

SIGNATURE OF SUPPLIER OR AGENT 	POSITION IN ORGANISATION Regional Sales Manager ANZ
PRINT NAME Alexander Katsoulis	DATE March 18, 2021

The *Privacy Act 1988* (Cth) (the Privacy Act) imposes obligations on the ACMA in relation to the collection, security, quality, access, use and disclosure of personal information. These obligations are detailed in the Australian Privacy Principles.

The ACMA may only collect personal information if it is reasonably necessary for, or directly related to, one or more of the ACMA's functions or activities.

The purpose of collecting the personal information in this form is to ensure the supplier is identified in the 'Declaration of conformity'. If this Declaration of Conformity is not completed and the requested information is not provided, a compliance label cannot be applied.

Further information on the Privacy Act and the ACMA's Privacy Policy is available at www.acma.gov.au/privacypolicy. The Privacy Policy contains details about how you may access personal information about you that is held by the ACMA, and seek the correction of such information. It also explains how you may complain about a breach of the Privacy Act and how we will deal with such a complaint.

Should you have any questions in this regard, please contact the ACMA's privacy contact officer on telephone on 1800 226 667 or by email at privacy@acma.gov.au.



UK – TYPE EXAMINATION CERTIFICATE
RADIO EQUIPMENT REGULATIONS 2017 (SI 2017/1206)
Schedule 3 Module B

MANUFACTURER

Name	:	Quectel Wireless Solutions Company Limited.
Address	:	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233
Contact Name & Title	:	Jean Hu, Manager
Email	:	jean.hu@quectel.com
Phone number	:	+86-21-51086236 ext 6511

PRODUCT DESCRIPTION

Trademark/Trade Name	:	QUECTEL
Model Number	:	EC25-EUX, EC25-EUX MINIPCIE
Product Description	:	LTE Cat.4 Module

APPROVED BODY

Certificate issued by	:	Approved Body 1177, TIMCO Engineering, Inc.
Certificate number	:	U1177-232037(Original Certificate: U1177-211047, Dec. 31, 2021)
Name and Signature	:	Bruno Clavier <i>Bruno Clavier</i> Date: March 30, 2023

The device shall be marked as follows:



Based on the evidence presented in the Technical Documentation, TIMCO Engineering, Inc., as appointed Approved Body, has issued this UK-Type Examination Certificate in accordance with Schedule 3, Module B. The product described appears to be in conformity with the essential requirements Regulation 6.1(a), 6.1(b) and 6.2 of RER 2017 (SI 2017/1206). This certificate relates only to the documents as provided to Timco Engineering, Inc. and is valid up to (1) the date of cessation of presumption of conformity of any of the superseded standards which were used for testing this product and assessed by Approved Body or (2) the date of modifications to the approved type that may affect the conformity of the apparatus with the essential requirements of SI 2017/1206 or the conditions for validity of that certificate, whichever comes first.

TIMCO Engineering, Inc. 849 NW State Road 45 Newberry, FL 32669 www.timcoengr.com A2LA Accredited (Certificate No. 0955.02)	This Certificate is issued under the provision that TIMCO Engineering, Inc. nor its subsidiary companies accept any liability concerning the contents of this document other than forced by law. Reproduction of the Certificate (with Annex) in full is allowed. Reproduction of parts of this certificate may only be allowed by written permission of TIMCO Engineering, Inc.
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UK – TYPE EXAMINATION CERTIFICATE

U1177-232037

Date: March 30, 2023

PRODUCT SPECIFICATIONS

Intended Use / Category :	WCDMA Band 1
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	1920 ~ 1980MHz
Modulation :	BPSK, QPSK
Antenna type :	Dipole Antenna

Intended Use / Category :	WCDMA Band VIII
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	880 ~ 915MHz
Modulation :	BPSK, QPSK
Antenna type :	Dipole Antenna

Intended Use / Category :	LTE Band 1
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	1920 ~ 1980MHz
Modulation :	QPSK, 16QAM
Antenna type :	Dipole Antenna

Intended Use / Category :	LTE Band 3
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	1710 ~ 1785MHz
Modulation :	QPSK, 16QAM
Antenna type :	Dipole Antenna

Intended Use / Category :	LTE Band 7
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	2500 ~ 2570MHz
Modulation :	QPSK, 16QAM
Antenna type :	Dipole Antenna

Intended Use / Category :	LTE Band 8
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	880 ~ 915MHz
Modulation :	QPSK, 16QAM
Antenna type :	Dipole Antenna

Intended Use / Category :	LTE Band 20
RF output power :	25dBm (Conducted Rated)
Frequency range (MHz) :	832 ~ 862MHz
Modulation :	QPSK, 16QAM
Antenna type :	Dipole Antenna

Intended Use / Category	: LTE Band 28
RF output power	: 25dBm (Conducted Rated)
Frequency range (MHz)	: 703 ~ 733MHz
Modulation	: QPSK, 16QAM
Antenna type	: Dipole Antenna

Intended Use / Category	: LTE Band 38
RF output power	: 25dBm (Conducted Rated)
Frequency range (MHz)	: 2570 ~ 2620MHz
Modulation	: QPSK, 16QAM
Antenna type	: Dipole Antenna

Intended Use / Category	: LTE Band 40
RF output power	: 25dBm (Conducted Rated)
Frequency range (MHz)	: 2300 ~ 2400MHz
Modulation	: QPSK, 16QAM
Antenna type	: Dipole Antenna

Intended Use / Category	: LTE Band 41
RF output power	: 25dBm (Conducted Rated)
Frequency range (MHz)	: 2555 ~ 2655MHz
Modulation	: QPSK, 16QAM
Antenna type	: Dipole Antenna

Intended Use / Category	: GSM900
RF output power	: 35dBm (Conducted Rated)
Frequency range (MHz)	: 880 ~ 915MHz
Modulation	: GMSK, 8PSK
Antenna type	: Dipole Antenna

Intended Use / Category	: DCS1800
RF output power	: 32dBm (Conducted Rated)
Frequency range (MHz)	: 1710~1785MHz
Modulation	: GMSK, 8PSK
Antenna type	: Dipole Antenna

Intended Use / Category	: GNSS Receiver
Frequency range (MHz)	GPS: 1575.42MHz Galileo: 1575.42MHz BDS:1561.098MHz GLONASS:1597.5 ~ 1605.8MHz
Modulation	GPS/BDS/GLONASS:BPSK Galileo: CBOC
Antenna type	: Dipole Antenna

Note: Device support non-UK Bands

According to the Technical Documentation compiled by the Manufacturer, the following standards were used:

ESSENTIAL REQUIREMENTS

Essential Requirement	Standard Number & Version
Radio (Regulation 6.2) :	EN 301 908-1 V15.2.1 (2023-01) EN 301 908-2 V13.1.1 (2020-06) EN 301 908-13 V13.2.1 (2022-02) EN 301 511 V12.5.1 (2017-03) EN 303 413 V1.2.1 (2021-04)
EMC (Regulation 6.1b) :	EN 301 489 - 1 V2.2.3 (2019-11) EN 301 489 - 19 V2.2.1 (2022-09) EN 301 489 - 52 V1.2.1 (2021-11)
Health (Regulation 6.1a) :	EN IEC 62311: 2020
Safety (Regulation 6.1a) :	EN IEC 62368-1:2020 +A11:2020

CERTIFICATE CONDITIONS:

This radio module is for professional installation only. When installing this radio module permanently into a host product to create a new radio equipment device; the manufacturer responsible for placing the final radio product on the market in the EU must assess if the combination of this radio module and the host product complies with the essential requirements of the RER 2017 (SI 2017/1206).

TECHNICAL DOCUMENTATION

Item	Exhibit Description	
1.	Copy of the Declaration of Conformity (Draft is acceptable)	☒
2.	Regulation 14: Pictogram exhibit of the packaging or a Letter of Attestation and/or exhibits explaining compliance with Regulations 14. A draft pictogram is acceptable.	☐
3.	Operational Description and Circuit Description of the product/device, where applicable.	☒
4.	External Photos of the device	☒
5.	Internal Photos of the device	☒
6.	User manual and information and installation instructions	☒
7.	Schematic drawings	☒
8.	Block Diagrams	☒
9.	Risk Assessment. RER Schedule 3 module B - Analysis and assessment of the risk(s) (See TGN 30 for guidance)	☒
10.	If Applicable: Modification/Standard Update/Applicant or Manufacturer info change letter explaining the changes to the existing version of the product along with supporting exhibits (e.g., photos, schematics, new applicant details, etc.) Applicable for Product Modifications, Applicant Name Change, Add Model, and Standard Update.	☒
11.	If Applicable: Previous Copy of the EU/UK-type examination certificate and annexes as delivered by other notified bodies involved in the conformity assessment (e.g., original certificates in case of product modifications, modules certificates, etc.) Where applicable.	☒
12.	Test Reports	☒
	Radio / EMC / Health / Safety	Test Report Number
	Radio RSE	2302RSU052-E1
	Radio WCDMA<E	2302RSU052-E2
	EMC	2302RSU052-E3
	Radio LTE B41	2302RSU052-E4
	Radio GSM	2107RSU065-E2
	Radio GNSS	2107RSU065-E4
	Health	2107RSU065-E5
	Safety	2107SSU025-E1

This certificate is issued under the following additional and non-exhaustive list of provisions of the Radio Equipment Regulations 2017 (SI 2017/1206) of the Statutory Instruments of the UK:

1. **Regulation 7:** Before placing radio equipment on the market, a manufacturer must ensure that it has been designed and manufactured in accordance with the essential requirements
2. **Regulation 8:** Before placing radio equipment on the market, a manufacturer must ensure it has been constructed so that the radio equipment can be operated without causing an infringement of the applicable requirements on the use of the radio spectrum.
3. **Regulation 11:** A manufacturer must, for a period of 10 years beginning on the day on which the radio equipment is placed on the market, keep and, upon request, make available to an enforcing authority the following in relation to radio equipment—
 - (a) a copy of the declaration of conformity, and
 - (b) the technical documentation.
4. **Regulation 15:**
 - (1) A manufacturer who considers, or has reason to believe, that radio equipment which they have placed on the market is not in conformity with Part 2, if appropriate, must immediately take the corrective measures necessary to—
 - (a) bring the radio equipment into conformity,
 - (b) withdraw the radio equipment, or
 - (c) recall the radio equipment.
 - (2) Where the radio equipment presents a risk, the manufacturer must immediately inform the market surveillance authority, of the risk, giving details of—
 - (a) the respect in which the radio equipment is considered not to be in conformity with Part 2, and
 - (b) any corrective measures taken and the results of those measures.
5. **Regulation 12:**
 - (1) Before placing radio equipment on the market, a manufacturer must ensure that the radio equipment bears—
 - (a) a type, batch or serial number, or
 - (b) another element which allows the radio equipment to be identified.
 - (2) Before placing radio equipment on the market, a manufacturer must indicate on the radio equipment—
 - (a) the name, registered trade name or registered trade mark of the manufacturer,
 - (b) a postal address at which the manufacturer can be contacted.
 - (3) The information specified in paragraph (2) must be in a language which can be easily understood by end-users and the enforcing authority.
 - (4) Where the size or nature of the radio equipment prohibits a manufacturer from complying with the requirement in paragraph (1) or paragraph (2), the manufacturer must provide the required information either on the radio equipment's packaging or in a document which accompanies the radio equipment.
 - (5) The manufacturer's postal address must indicate a single point at which the manufacturer can be contacted.
6. **Regulation 23:**
 - (1) Before placing radio equipment on the market, an importer must indicate on the radio equipment—
 - (a) the name, registered trade name or registered trade mark of the importer, and
 - (b) a postal address at which the importer can be contacted.
 - (2) The information specified in paragraph (1) must be in a language which can be easily understood by end-users and the enforcement authority.
 - (3) Paragraph (1) does not apply where—
 - (a) either—
 - (i) it is not possible to set out the information referred to in paragraph (1) on the radio equipment, or
 - (ii) the importer has imported the radio equipment from an EEA state and places it on the market within the period of 18 months beginning with exit day, and
 - (b) before placing the radio equipment on the market, the importer sets out the information referred to in paragraph (1)-
 - (i) on the packaging; or
 - (ii) in a document accompanying the safety component.

7. Regulation 13:

(1) When placing radio equipment on the market, a manufacturer must ensure that radio equipment is accompanied with instructions and safety information which—

- (a) are clear, legible and in easily understandable English
- (b) include information required to use the radio equipment in accordance with its intended use and
- (c) include a description of accessories and components, including software, which allow the radio equipment to operate as intended.

(2) In the case of radio equipment which can intentionally emit radio waves, the manufacturer must also include information about—

- (a) the frequency band or bands in which the radio equipment can operate, and
- (b) the maximum radio-frequency power transmitted in the frequency band or bands in which the radio equipment operates.

(3) When placing radio equipment on the market, a manufacturer must ensure that each item of radio equipment is accompanied by either a copy of the declaration of conformity or a simplified declaration of conformity drawn up in accordance with regulation 43 (simplified declaration of conformity).

(4) Where the radio equipment is to be made available to consumers and other end-users in the United Kingdom, the language which can be easily understood is English.

8. Regulation 14:

(1) Where there are restrictions on putting into service or requirements for authorisation of use, a manufacturer must include information on the packaging of the radio equipment which identifies the geographical area in the United Kingdom where the restrictions on putting into service or the requirements for authorisation of use exist.

(2) The information referred to in paragraph (1) must—

- (a) be completed in the instructions required by regulation 13,
 - (b) subject to paragraph (3), be presented in the manner and form specified in the Implementing Regulation how to present the information provided for in Article 10(10) of Directive 2014/53/EU of the European Parliament and the Council (EU) 2017/1354 (Regulation 14 of the 2017 Regulations).
- (3) Paragraph (2)(b) of this Regulation applies to radio equipment placed on or after exit day.

9. Regulation 16:

(1) Following a request from the enforcing authority, the manufacturer must, within such reasonable period as the authority may specify, provide the authority concerned with all the information and documentation necessary to demonstrate that the radio equipment is in conformity with Part 2

(2) A request referred to in paragraph (1)—

- (a) is one that was made during the period of 10 years beginning on the day that the manufacturer places the radio equipment on the market, and
- (b) must be accompanied by the reasons for making the request.

(3) The information referred to in paragraph (1)—

- (a) may be provided in electronic form, and
- (b) must be in a language which can be easily understood by the authority concerned.

(4) A manufacturer must, at the request of the authority concerned, cooperate with that authority on any action taken to—

- (a) evaluate radio equipment in accordance with regulation 59 (evaluation of radio equipment presenting a risk),
- (b) eliminate the risks posed by radio equipment which the manufacturer has placed on the market.

10. Regulation 17:

(1) A manufacturer must ensure, before placing radio equipment on the market, that procedures are in place to ensure that series production remains in conformity with Part 2.

(2) In doing so, the manufacturer must take adequate account of—

- (a) any change in radio equipment design or characteristics, and
- (b) any change in a designated standard or in another technical specification by reference to which the declaration of conformity was drawn up.

11. Regulation 43:

(1) Where only a simplified declaration of conformity is provided pursuant to regulation 13(3), it must contain the elements specified and have the model structure set out in Schedule 7 (simplified declaration of conformity).

(2) The full text of the declaration of conformity must be made available at the internet address referred to in the simplified declaration of conformity.

Schedule 7:

1. The simplified declaration of conformity referred to in regulation 13(3) (instructions and information to be included with the radio equipment) must be provided as follows—

*Hereby, [Name of manufacturer] declares that the radio equipment type [designation of type of radio equipment] is in compliance with the relevant statutory requirements.
The full text of the declaration of conformity is available at the following internet address:xxxxxx*

12. Regulation 44:

(1) The UK marking must be affixed visibly, legibly and indelibly to the radio equipment or to its data plate, unless that is not possible or not warranted on account of the nature of the radio equipment.

(2) The UK marking must be affixed visibly and legibly to the radio equipment packaging.

(3) On account of the nature of the radio equipment, the height of the UK marking affixed to radio equipment may be lower than 5 mm, provided that the marking remains visible and legible.

(4) When the conformity assessment procedure in Schedule 4 (conformity assessment module H) has been applied, the UK marking must be followed by the identification number of the approved body which carried out the relevant conformity assessment procedure for the radio equipment.

(5) The identification number in paragraph (4) must have the same height as the UK marking and be affixed—

(a) by the approved body itself, or

(b) under the instructions of the approved body, by the manufacturer or the manufacturer's authorised representative.

13. Schedule 6 Declaration of Conformity, Paragraph 8: Where applicable, description of accessories and components, including software, which allow the radio equipment to operate as intended and covered by the Declaration of conformity

14. Schedule 3 Module B, Paragraph 7(2): The manufacturer must inform the approved body that holds the technical documentation relating to the Type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of these Regulations or the conditions for validity of that certificate. Such modifications require additional approval in the form of an addition to the original Type examination certificate.

15. Product Specifications: The antenna gain and any other data is provided by the applicant.