



DEKRA Testing and Certification, S.A.U.

Product certification body accredited by ENAC with accreditation No. 134/C-PR301
and designated by the competent national authority of Spain

to act as Notified Body (Notified Body No: 1909) in accordance with the Directive 2014/53/EU of 16 April 2014

Directive 2014/53/EU – EU-TYPE EXAMINATION CERTIFICATE

Identification Number: **68527RNB.001**
Issue date: **2021-06-30**

MANUFACTURER DETAILS:

Company name: **Telit Communications S.p.A.**
Address: **Via Stazione di Prosecco, 5/B, I-34010 Sgonico (Trieste), Italy**

EQUIPMENT DETAILS:

Type of equipment: **MiniPCle card for ME910C1-WW (LTE CATM/NB-IOT wireless module + 2G Fallback)**
Brand name: **Telit**
Model name: **ME910C1-WW mPCle**
HW version: **0**
SW version: **M0B.800003**
M0B.800004
M0B.800005

SCOPE OF OPINION:

Essential requirements	Specifications / Standards	Submitted documents
Article 3.1(a): Electrical safety	EN 62368-1:2014 + AC:2015 + AC:2017 + A11:2017	Test reports
Article 3.1(a): EMF exposure	62311:2020	Assessment report
Article 3.1(b): EMC	EN 301 489-1 V2.2.3 Draft EN 301 489-19 V2.2.0 Draft EN 301 489-52 V1.1.2	Test reports
Article 3.2: Radio spectrum use	EN 301 511 V12.5.1 EN 301 908-1 V13.1.1 EN 301 908-13 V13.1.1 EN 303 413 V1.1.1	Test reports

OPINION:

Our opinion in accordance with Annex III of DIRECTIVE 2014/53/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 April 2014 on radio equipment and the mutual recognition of their conformity is that the equipment complies with the requirements of that directive stated in the above scope.

This opinion has 1 annex with 2 pages and it is only valid in conjunction with it.

Signed on behalf of DEKRA Testing and Certification, S.A.U. in Málaga (Spain)

Name: Benjamin Ramirez
Position: Responsible for Certification



Annex I to EU-Type Examination Certificate No. 68527RNB.001

TECHNICAL DOCUMENTATION:

Held at: Telit Communications S.p.A.
Address: Via Stazione di Prosecco
5/B, I-34010 Sgonico (Trieste)
Italy

TECHNICAL FEATURES AND CHARACTERISTICS:

Operation modes: GPRS, EDGE
LTE CAT-M1, LTE CAT-NB1
GNSS

Operating frequency bands: GPRS/EDGE: E-GSM 900, DCS 1800, EDGE 900; EDGE 1800
LTE: FDD1, FDD 3, FDD 8, FDD 20, FDD 28
GNSS: GPS L1
Galileo E1
GLONASS G1
BDS B1I

Modulations: GMSK, 8PSK, QPSK, 16QAM, $\pi/2$ BPSK, $\pi/4$ QPSK
Data rates (maximum): Uplink: 375 kbps, Downlink: 300 kbps
Output power (Rated): E-GSM 900: Class 4, DCS 1800: Class 1
EDGE 900: Class E2, EDGE 1800: Class E2
LTE CAT-M1: Class 3; LTE CAT-NB1: Class 3

Voltage range: 3.1 VDC to 3.6 VDC (Nominal: 3.3 VDC)
Temperature range: -10 °C to 55 °C
Antenna: External antenna. Impedance: 50 ohm
Intended use: GPRS/EDGE/LTE CAT-M1/NB1 MiniPCI module for IoT applications

CONFORMITY DETAILS:

Essential requirements	Specifications / Standards	Reference documents
Article 3.1(a): Electrical safety	EN 62368-1:2014 + AC:2015 + AC:2017 + A11:2017	63246RSE.001
Article 3.1(a): EMF exposure	62311:2020	57538RAN.001
Article 3.1(b): EMC	EN 301 489-1 V2.2.3 Draft EN 301 489-19 V2.2.0 Draft EN 301 489-52 V1.1.2	63246REM.001
Article 3.2: Radio spectrum use	EN 301 511 V12.5.1 EN 301 908-1 V13.1.1 EN 301 908-13 V13.1.1 EN 303 413 V1.1.1	56663REM.005A1 56663REM.006A1 56663REM.007A1 56663RMV.001A1 1820125R-001 Ver. 02 SZEM1803001756CF 1860156R-HPCEP11V00 1860156R-HPCEP11V00-A 1860154R-002.03 1860153R-RFCEP55V00

REMARKS AND COMMENTS:

Device tested with a reference antenna (Type n° T-AT314; $\lambda/4$ monopole) with maximum gain of 2.14 dBi. The use of different antennas may affect the compliance; if the manufacturer is in doubt about the compliance then the equipment with the new antennas must be assessed to demonstrate compliance with the essential requirements of the Directive 2014/53/EU. It should be noted that assessment does not necessarily lead to testing.



This device has been evaluated on a test jig. 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.

Host devices integrating this device will need to be evaluated according to the essential requirements of Directive 2014/54/EU following the guidelines provided in the document "REDCA Technical Guidance Note 01 on the RED compliance requirements for a Radio Equipment often referred to as Radio Module and the Final Radio Equipment Product that integrates a Radio Module". This Technical Guidance Note may be accessed in RED Compliance Association website or may be obtained by contacting with DEKRA Testing and Certification, S.A.U. Notified Body at certification.rcb.es@dekra.com.

EMF exposure only evaluated when the antenna used with the device is located at a minimum distance of 20 cm from the user.

The device also operates in other non EU frequency bands. This operation has not been evaluated in this opinion.

It is mandatory to inform DEKRA Testing and Certification, S.A.U. in writing about any change in the approved equipment identified in this certificate, which could affect the conformity of the apparatus with the essential requirements or the conditions of validity of this certificate.

Test reports may show compliance with different standards versions listed. Where this happens, it has been analysed for using the more recent version of these standards since methods and compliance limits remain unchanged for the features supported by the devices under evaluation. Hence, there is no need to perform additional tests in order to demonstrate the compliance with the more recent version of the standard.

This certificate replaces the TEC version 63246RNB.001.