



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: **75390RNB.001**
Issue date: **2023-07-24**

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: **Wireless module**
Brand name: **Telit**
Model names:
HW version:
SW versions:

ME910C1-WW	ME910C1-E2	ME910C1-P2	ME910C1-P1
0.0	0.0	0.0	0.0
M0B.800003 M0B.800004 M0B.800005	30.00.702-B004 30.00.702-B005 30.00.702-B007 30.00.703 M0B.700003 M0B.700004 M0B.700005	M0B.950004	M0B.900004 M0B.900005

SCOPE OF OPINION:

Essential requirements	Specifications / Standards	Submitted documents
Article 3.1(a): Electrical safety	EN 62368:2020 + A11:2020	Test reports
Article 3.1(a): EMF exposure	EN 62311:2020	Assessment report
Article 3.1(b): EMC	EN 301 489-1 V2.2.3 EN 301 489-19 V2.2.1 EN 301 489-52 V1.2.1	Test reports
Article 3.2: Radio spectrum use	EN 301 511 V12.5.1 ⁽¹⁾ EN 301 908-1 V15.1.1 EN 301 908-13 V13.2.1 EN 303 413 V1.2.1	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: **Ricardo Orejas**
Position: **Responsible for Certification**



Annex I to EU-Type Examination Certificate No. 75390RNB.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⁽¹⁾, EDGE⁽¹⁾
LTE CAT-M1, LTE CAT-NB1
GNSS
Operating frequency bands: GPRS⁽¹⁾/EDGE⁽¹⁾: E-GSM 900, DCS 1800, EDGE 900; EDGE 1800
LTE: FDD1⁽²⁾, FDD 3, FDD 8, FDD 20, FDD 28⁽²⁾
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⁽¹⁾: Class 4, DCS 1800⁽¹⁾: Class 1
EDGE 900⁽¹⁾: Class E2, EDGE 1800⁽¹⁾: Class E2
LTE CAT-M1: Class 3; LTE CAT-NB1: Class 3
Voltage range: 3.1 VDC to 4.5 VDC (Nominal: 3.8 VDC)
Temperature range: -10 °C to 55 °C
Antenna: External antenna. Impedance: 50 ohm
Intended use: GPRS⁽¹⁾/EDGE⁽¹⁾/LTE CAT-M1/NB1 module for IoT applications

CONFORMITY DETAILS:

Essential requirements	Specifications / Standards	Reference documents
Article 3.1(a): Electrical safety	EN 62368:2020 + A11:2020	75390RSE.002
Article 3.1(a): EMF exposure	EN 62311:2020	57538RAN.001 56663RAN.002A1
Article 3.1(b): EMC	EN 301 489-1 V2.2.3 EN 301 489-19 V2.2.1 EN 301 489-52 V1.2.1	55663REM.004A1 1860153R-RFCEP23V00 1860156R-RFCEP01V00 2528ERM.001 75390REM.001A1
Article 3.2: Radio spectrum use	EN 301 511 V12.5.1 ⁽¹⁾ EN 301 908-1 V15.1.1 EN 301 908-13 V13.2.1 EN 303 413 V1.2.1	56663REM.005A1 56663REM.006A1 56663REM.007A1 56663RMV.001A1 1820125R-001 Ver. 02 SZEM1803001756CF 1860156R-HPCEP11V00 1860156R-HPCEP11V00-A 1860154R-002.03 1860153R-RFCEP55V00 MDE_DEKRA_1804_01 EG/2019/40008 EG/2018/30023D 60864RMV.004

REMARKS AND COMMENTS:

⁽¹⁾ Not applicable for ME910C1-P1 device.

⁽²⁾ Not applicable for ME910C1-E2 device.



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.

SW evolution of the devices, as described in the "Equipment Details" chapter, has been analysed and has no impact on the compliance with essential requirements of the devices.

These devices have been evaluated on a test jig. These radio modules are for professional installation only. When installing these radio modules 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 these devices will need to be evaluated according to the essential requirements of Directive 2014/53/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.

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

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.

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.

This certificate supersedes and replaces existing certificate 67693RNB.001