

EU Declaration of Conformity

Manufacturer name: u-blox AG
Address: Zuercherstrasse 68, CH-8800 Thalwil, Switzerland
Info: www.u-blox.com
Product: LENA-R8001 LENA-R8001M10

To Whom it May Concern,

Hereby, u-blox AG declares under its sole responsibility that module is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Directive 2014/53/EU (RED) and the Restriction of the use of certain Hazardous Substances Directive 2011/65/EU (RoHS 2) and its amendment Directive 2015/863/EU (RoHS 3).


The conformity has been reviewed by the EU Notified Body Eurofins Product Service GmbH (Identification Number 0681), Storkower Straße 38c, 15526 Reichenwalde, Germany - issuing the EU-Type Examination Certificate, registration number: GOM-2208-1599-V01

Technology	Product
LTE CAT 1 bis & 2G	LENA-R8001 LENA-R8001M10

Radio Equipment Directive 2014/53/EU Essential requirements	Standards
Safety & Health (Article 3.1a)	EN 62368-1:2014 EN 62368-1:2014/AC:2015 EN 62368-1:2014 + A11:2017 EN62311:2020
EMC (Article 3.1b)	EN 301 489-1 V2.2.3 (2019-11) EN 301 489-52 V1.2.1 (2021-09) EN 301 489-19 V2.2.1 This applies only to LENA-R8M10
Radio Spectrum Efficiency (Article 3.2)	EN 301 511 V12.5.1 EN 301 908-1 V15.1.1 EN 301 908-13 V13.2.1 EN 303 413 V1.2.1 This applies only to LENA-R8001M10

RoHS 2 Directive 2011/65/EU RoHS 3 Directive 2015/863/EU Essential requirements	Standards
Prevention (Article 4.1)	EN IEC 63000:2018

Signed for and on behalf of u-blox AG :

Name	Giulio Comar
Position	Certification Manager
Date of issue	19 May 2023
Signature	 u-blox AG

Maximum Antenna Gain

Frequency Band	Maximum Gain (dBi)
LTE eFDD 1	12.8
LTE eFDD 3	12.3
LTE eFDD 7	12.9
LTE eFDD 8	9.4
LTE eFDD 20	9.2
LTE eFDD 28	8.4
LTE eTDD 38	12.9
LTE eTDD 40	12.9
LTE eTDD 41	12.9
GMSK GSM 900	8.9
GMSK GSM 1800	14.8