

# EU Declaration of Conformity

**Manufacturer name:** u-blox AG  
**Address:** Zuercherstrasse 68, CH-8800 Thalwil, Switzerland  
**Info :** www.u-blox.com  
**Product :** SARA-R510M8S, SARA-R510S, SARA-R500S

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).

Technology	Product
LTE CAT-M1 & NB2	SARA-R510M8S, SARA-R510S, SARA-R500S

Radio Equipment Directive 2014/53/EU Essential requirements	Standards
<b>Safety &amp; Health</b> (Article 3.1a)	EN 62368-1:2014 EN 62368-1:2014/AC:2015 EN 62368-1:2014 +A11:2017 EN 62311: 2008 EN 62479: 2010
<b>EMC</b> (Article 3.1b)	EN 301 489-1 V2.2.3 EN 301 489-19 V2.2.1 This applies only to SARA-R510M8S. EN 301 489-52 V1.2.1
<b>Radio Spectrum Efficiency</b> (Article 3.2)	EN 301 908-1 V15.1.1 EN 301 908-13 V13.2.1 EN 303 413 V 1.2.1 This applies only to SARA-R510M8S.

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

Signed for and on behalf of u-blox AG :

<b>Name</b>	Giulio Comar
<b>Position</b>	Certification Manager
<b>Date of issue</b>	15 May 2023
<b>Signature</b>	 u-blox AG

### Maximum Antenna Gain

Frequency Band	Maximum Gain (dBi)
M1 & NB-IoT LTE eFDD 1	11.8
M1 & NB-IoT LTE eFDD 3	11.3
M1 & NB-IoT LTE eFDD 8	8.4
M1 & NB-IoT LTE eFDD 20	8.2
M1 & NB-IoT LTE eFDD 28	7.4