

EU Declaration of Conformity

Manufacturer name: u-blox AG
Address: Zuercherstrasse 68, CH-8800 Thalwil, Switzerland
Info: www.u-blox.com
Product: SARA-R422M8S, SARA-R422S, SARA-R422

To whom it may concern,


Hereby, u-blox AG declares under its sole responsibility that the modules are 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 and 2G	SARA-R422M8S, SARA-R422S, SARA-R422

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 EN 62311: 2008
EMC (Article 3.1b)	EN 301 489-1 V2.1.1 EN 301 489-19 V2.1.1 (This applies only to SARA-R422M8S) EN 301 489-52 V1.1.0
Radio Spectrum Efficiency (Article 3.2)	EN 301 908-1 V15.1.1 EN 301 908-13 V13.2.1 EN 301 511 V12.5.1 EN 303 413 V1.1.1 (This applies only to SARA-R422M8S)

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	4 August 2023
Signature	

Maximum Antenna Gain

Frequency Band	Maximum Gain(dBi)
LTE eFDD 1	11.84
LTE eFDD 3	11.33
LTE eFDD 8	8.45
LTE eFDD 20	8.20
LTE eFDD 28	7.47
GMSK GSM 900	7.45
GMSK GSM 1800	13.34
8-PSK GSM 900	8.46
8-PSK GSM 1800	12.34