

EU Declaration of Conformity

Product NINA-B3 Bluetooth Low Energy modules with passive NFC tag functionality
UBX-18053818

Date 12 September 2018

To whom it may concern,

Hereby, u-blox AG declares under its sole responsibility that the following product – NINA-B3 Bluetooth Low Energy modules with passive NFC tag functionality – complies with the essential requirements and other relevant provisions of Radio Equipment Directive (RED) 2014/53/EU and Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU.

Technology	Product name	Hardware release	Software release
Bluetooth Low Energy IEEE 802.15.4 2.4 GHz proprietary modes NFC	NINA-B301	04 or later	nRF5_SDK_15.0.0 or later
	NINA-B302	05 or later	
	NINA-B311	04 or later	v1.0.0 or later
	NINA-B312	05 or later	

Essential Requirements Radio Equipment Directive 2014/53/EU	Standards
Safety & Health (Article 3.1a)	IEC 60950-1:2005 (2 nd Edition) + A1:2009 + A2:2013 IEC 62368-1:2014 (2 nd Edition) EN 62479:2010
EMC (Article 3.1b)	EN 301 489-1 V2.1.1 EN 301 489-17 V3.1.1
Radio Spectrum Efficiency (Article 3.2)	EN 300 328 V2.1.1 EN 300 330 V2.1.1

Essential Requirements RoHS Directive 2011/65/EU	Standards
Prevention (Article 4.1)	EN 50581:2012

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Name	Daniel Ammann
Position	Director, u-blox AG
Date of issue	12 September 2018
Signature	

List of antennas

Antenna name	Manufacturer	Comment	Gain
u-blox LILY Antenna	ProAnt	SMD PIFA antenna on NINA-B302/B312	+3
FlatWhip-2400 -SMA -RPSMA	ProAnt	Monopole, SMA, RP-SMA	+3
InSide-2400	ProAnt	Patch, 10 cm cable/U.FL	+3
Ex-IT 2400 - SMA 28-001 - RP-SMA 28-001 - MHF 28-001	ProAnt	Monopole, RSMA RP-SMA 10 cm cable/U.FL	+3
Ex-IT 2400 - SMA 70-002 - RP-SMA 70-002	ProAnt	Monopole, SMA RP-SMA	+3
GW26.0111.HT	Taoglas	Single band monopole antenna, SMA	+3