

# EU DECLARATION OF CONFORMITY

To whom it may concern:

Hereby, u-blox AG declares under its sole responsibility that the following product – NINA-B1 Bluetooth® Low Energy modules with passive NFC tag functionality – comply 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 | NINA-B111    | 02 or later      | 1.0.0 or later   |
|                       | NINA-B112    |                  |                  |

| Essential Requirements                            |  |
|---|--|
| Radio Equipment Directive 2014/53/EU              | Standards  |
| <b>Safety &amp; Health</b><br>(Article 3.1a)      | IEC 60950-1:2005 (2nd Edition) + A1: 2009 + A2: 2013<br>EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013<br>EN 62479:2010 |
| <b>EMC</b><br>(Article 3.1b)                      | EN 301 489-1 V2.1.1<br>EN 301 489-17 V3.1.1<br>IEC 60601-1-2:2014 (Medical Electrical Equipment)                                   |
| <b>Radio Spectrum Efficiency</b><br>(Article 3.2) | EN 300 328 V2.1.1<br>EN 300 330 V2.1.1   |
| Essential Requirements                            |  |
| RoHS Directive 2011/65/EU                         | Standards  |
| <b>Prevention</b><br>(Article 4.1)                | EN 50581:2012  |

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|----------------|--|
| Name:          | Daniel Ammann  |
| Position:      | Director, u-blox AG  |
| Date of issue: | 06.06.2017   |
| Signature:     |  |

# List of antennas

| Antenna name  | Manufacturer | Comment                               | Gain |
|---|--------------|---------------------------------------|------|
| u-blox internal antenna                                       | ProAnt       | SMD PIFA antenna on NINA-B112         | +2   |
| FlatWhip-2400   | ProAnt       | Monopole,<br>RSMA                     | +3   |
| InSide-2400   | ProAnt       | Patch,<br>10cm cable/U.FL             | +3   |
| Ex-IT 2400<br>- SMA 28-001<br>- RP-SMA 28-001<br>- MHF 28-001 | ProAnt       | Monopole,<br>RSMA<br>10 cm cable/U.FL | +3   |
| Ex-IT 2400<br>- SMA 70-002<br>- RP-SMA 70-002                 | ProAnt       | Monopole,<br>RSMA                     | +3   |
| GW26.0111.HT  | Taoglas      | Single band monopole antenn           | +3   |