



**Attn.: Reviewing Engineer**

PHOENIX TESTLAB GmbH  
Product Certification  
Köningswinkel 10  
D-32825 Blomberg

**Registered office:**  
**u-blox AG**  
Zürcherstrasse 68  
8800 Thalwil  
Switzerland

Phone +41 44 722 7462  
Fax +41 44 722 2447

info@u-blox.com  
support@u-blox.com

**RE: Certification Application**

Model: NINA-W131, NINA-W132  
FCC ID:XPYNINAW13  
IC: 8595A-NINAW13

**Declaration of Product Equality**

To whom it may concern:

We, u-blox AG, hereby declare that the product versions described below are identical.  
Product Marketing Name: NINA-W101, NINA-W131 and NINA-W102, NINA-W132

- All RF-related components are identical and unchanged
- The printed wiring board have identical layer stack-up and dielectric properties
- Impedance controlled traces and other RF-related parts of the layout are identical
- The differences between the product versions are:
  - NINA-W101 and NINA-W131 have its RF-port presented at a solder land to be connected to an external antenna connector using the external antenna reference design.
  - NINA-W102 and NINA-W132 have their Printed Wiring Board extended by 3.4 mm to host an internal antenna. The internal antenna of NINA-W102 and NINA-W132 is connected to the module RF-port via a micro strip.

Thank you for your attention in this matter.

Yours Sincerely,

---

Olof Viklund  
Senior Engineer, u-blox