

RE FCC ID: XPYNINAB4

To the certification reviewer:

We are hereby applying for [full] modular approval of the above-referenced FCC ID, based on compliance with [all] of the criteria as detailed below.

Sincerely,



[Filip Kruzela]
[Certification Manager]

Part 15 Unlicensed Single Modular Transmitter Approval Justification per 15.212

Requirement per 15.212	reference
(i) The radio elements of the modular transmitter must have their own RF shielding.	Shielding is provided by a metal cover over the circuitry.
(ii) The modular transmitter must have buffered modulation/data inputs (if such inputs are provided).	All modulation and data inputs are buffered by circuitry on the transmitter chip.
(iii) The modular transmitter must have its own power supply regulation.	Power supply regulation is provided by circuitry on the transmitter chip.
(iv) The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c).	The antenna is fixed. External Antenna: Antenna embedded into the PCB layout, (NINA-B406 and NINA-B416): FlatWhip-2400-SMA-RPSMA Monopole, (NINA-B400 and NINA-B410) Reverse Polarity –SMA: Ex-IT 2400-RP-SMA 28-001:-MHF 28-001 Monopole, (NINA-B400 and NINA-B410) Reverse Polarity –SMA: Ex-IT 2400-RP-SMA 70-002 :3dBi Patch, (NINA-B400 and NINA-B410): InSide-2400 Integral Antenna: u-blox PCB Trace Antenna
(v) The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing for compliance with Part 15 parameters.	Testing was performed in a stand-alone configuration as shown in the test setup photos.

u-blox AG
Zuercherstrasse 68, Thalwil, Ch-8800, Switzerland

<p>(vi) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. If the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.</p>	<p>The modular was labeled with its own FCC ID. The outside of device in to which the module is installed will labeled Contains TX FCC ID: XPYNINAB4, Please refer to User Manual.</p>
<p>(vii) The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.</p>	<p>The modular is comply with all applicable FCC rules.</p> <p>Any modifications, not expressly approved by the manufacturer could void the authority to operate in these regions.</p>
<p>(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.</p>	<p>This module operates under Part 15 .247 which is exempt from RF exposure evaluation owing to the very low operating power.</p>