

Cover Letter - Modular Approval Request

FCC ID: 2AYLDI54

Date: Aug 22, 2021

To whom it may concern:

There's a EUT that would like to have your authorization as a modular approval.

The specific products shown below, with its designed features and specified description, meets special requirements for full modular approval on FCC KDB996369 by cross-reference list below.

Company	Ivativ, Inc
Model Name	NILE series
Model Number (HVIN)	I540M0L8, I540E0L0, I540E0L7, I540E0L9, I541M0L8, I541E0L0, I541E0L7, I541E0L9
FCC ID	2AYLDI54

Requirement of FCC KDB996369	Comply (Yes/No)
1. The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly.	Yes The module has its RF parts enclosed by the RF shielding. See EUT photo.
2. The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with Part 15 requirements under conditions of excessive data rates or over-modulation.	Yes The interface signals of the EUT are internally buffered by the EUT's System on Chip and cannot affect the modulation. Please see the Schematic Diagram.
3. The modular transmitter must have its own power supply regulation.	Yes The EUT contains a System on Chip that has its own power supply regulation. Please see the Schematic Diagram.
4. The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per §§ 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b);	Yes The EUT has a permanently attached antenna or a unique antenna connector which meets the FCC antenna requirements; unique antenna connector and photo of antenna are shown in the test report.
5. The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing.	Yes The module was soldered onto the evaluation board and tested in a stand-alone configuration.

	Please see test report and setup photos
<p>6. The modular transmitter must be labeled with its own FCC ID number, and, 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. This exterior label can use wording such as the following: “Contains Transmitter Module FCC ID: 2AYLDI54” or “Contains FCC ID: 2AYLDI54”. Any similar wording that expresses the same meaning may be used. The Grantee may either provide such a label, an example of which must be included in the application for equipment authorization, or, must provide adequate instructions along with the module which explain this requirement. In the latter case, a copy of these instructions must be included in the application for equipment authorization.</p>	<p>Yes</p> <p>EUT is too small for a readable FCC ID. For this reason, in accordance with 47 CFR §2.925 (f), FCC ID is placed in the module user manual and also placed on the device packaging.</p> <p>Also, instructions are provided in user manual to the OEM on how to label the end product containing this module.</p> <p>Please see exhibition label sample for the FCC ID of this module.</p>
<p>7. The modular transmitter must comply with any specific rule or operating requirements applicable to the 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>Yes</p> <p>The EUT is compliant with all applicable FCC rules. Details instructions for maintaining compliance are give in the User Manual.</p>
<p>8. The modular transmitter must comply with any applicable RF exposure requirements. For example, FCC Rules in Sections 2.1091, 2.1093 and specific Sections of Part 15, including 15.319(i), 15.407(f), 15.253(f) and 15.255(g), require that Unlicensed PCS, UNII and millimeter wave devices perform routine environmental evaluation for RF Exposure to demonstrate compliance. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF Exposure compliance in accordance with Section 15.247(b)(4).</p>	<p>Yes</p> <p>The EUT complies with RF exposure requirement.</p>

Thank you.
Sincerely,



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Title: President & CEO

Signature:

On behalf of Company:

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