


GSI Electronics Inc.

April 5, 2023

Federal Communications Commission
 Equipment Authorization Branch
 7435 Oakland Mills Road
 Columbia, MD 21046

Request for Modular / Limited Modular Approval
FCC ID: 2AFLZSPS3WROOM1U

The following attestation addresses the requirements to support modular approval:

Modular approval requirement	Yes (provide brief statement)	No *
(1) The radio elements must have its own radio frequency circuitry shielded. The physical crystal and tuning capacitor(s) may be located external to the shield, but must be on the module assembly	<p><i>The module contains a metal shield which covers all RF components and circuitry. The shield is located on the top of the board next to antenna connector</i></p> <p><i>Done by the original manufacturer in the manufacturer's FCC File: 2AC7Z-ESPS3WROOM1U</i></p>	
(2) The module must have buffered modulation/data inputs (if provided) to ensure that the device will comply with FCC requirements under conditions of excessive data rates or over-modulation.	<p><i>Data to the modulation circuit is buffered as described in the operational description provided with the application</i></p> <p><i>Done by the original manufacturer in the manufacturer's FCC File: 2AC7Z-ESPS3WROOM1U</i></p>	
(3) The module must contain its own power supply regulation on the module. This is intended to ensure that the module will comply with FCC requirements regardless of the design of the power supplying circuitry in the device into which the module is installed.	<p><i>The module contains its own power supply regulation. Please refer to schematic filed with this application</i></p> <p><i>Done by the original manufacturer in the manufacturer's FCC File: 2AC7Z-ESPS3WROOM1U</i></p>	
(4) The module must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b), 15.204(c), 15.212(a), and 2.929(b). The antenna must either be permanently attached or employ a "unique" antenna coupler (at all connections between the module and the antenna, including the cable). The "professional installation" provision of § 15.203 is not applicable to modules but can apply to limited modular approvals under paragraph 15.212(b). 15.212(a)(1)(iv)	<p><i>The module connects to its antenna using an UFL connector which is considered a non-standard connector. A list of antennas tested and approved with this device may be found in user's manual provided with the application</i></p>	
(5) The module must demonstrate compliance in a stand-alone configuration, the module must not be inside another device during testing. This is intended to demonstrate that the module can comply with Part 15 emission limits regardless of the device into which it is eventually installed.		<p><i>The module was tested stand-alone in the manufacturer's FCC File: 2AC7Z-ESPS3WROOM1U</i></p>
(6) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	<p><i>There is a label on the module as shown in the labeling exhibit filed with this application. Host specific labeling instructions are shown in the installation manual filed with this application.</i></p>	
(7) The module must comply with all specific rule or operating requirements applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee. A copy of these instructions must be included in the application for equipment authorization.	<p><i>The module complies with FCC Part 15C requirements. Instructions to the OEM installer are provided in the installation manual filed with this application</i></p>	


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(8) The module must comply with any applicable RF exposure requirements	<i>The module meets Portable exclusion levels as shown in the RF exposure information filed with this application.</i>	
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Limited Module Description

The WIFI module will be certified under FCC ID: 2AFLZSPS3WROOM1U. A label will be stick on the case of the WIFI Module with required FCC information. The specific antenna (Abracon: AEACAD460065-S698) used in the appliance is listed in the test reports and in the client's document. The complete appliance is tested with the WIFI module in the production department at the board level and in system tests before shipping it to the client. 100% of all units be tested before shipping them to the client to ensure respecting FCC Part 15C requirements.

Sincerely,

Signed by:

Signature

Carl Blanchard

Print name

Homologation adviser

Title

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