KNU Industry-Academic Cooperation Foundation

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Mar. 14, 2023

Federal Communications Commission Authorization and Evaluation Division

Modular Approval for FCC ID: 2BAHPIACTB52

Ap	Applicant/Grantee KNU Industry-Academic Cooperation Foundation							
FC	FCC ID: 2BAHPIACTB52							
	Section 15.212 Modular Transmitters							
	Request for Modular	Approval	Request for Limited Modular Approval					
	Requ	irements		EUT Conditions	Comply (Y/N)			
	Single Modular Approval Requirements							
1	The radio elements of the modular transmitter must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.			Shield is over the radio circuit module. Refer to the external photos.	Y			
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.			All inputs to the modules are buffered through logic or microprocessor inputs."	Y			
3	The modular transmitter must have its own power supply regulation.		The module has internal voltage regulation. Refer to block diagram.	Y				
4	The modular transmitter rand transmission system 15.203, 15.204(b) and 1 either be permanently attantenna coupler (at all con and the antenna, including installation" provision of applicable to modules but approvals under paragraph	n requirements of 5.204(c). The ant ached or employ a nections between the cable). The "pof Section 15.20 can apply to limited	f Sections enna must a "unique" the module rofessional 3 is not	PCB pattern Antenna. Dipole Antenna. PCB Antenna. Refer to the internal photos.	Y			
5	The modular transmitter in configuration, <i>i.e.</i> , the modular transmitter in configuration, <i>i.e.</i> , the modular testing for requirements. Unless the battery powered, it must conducted requirements for DC power lines and data if the module must not contamarketed with the modular length of these lines shall use or, if that length is unless to insure that there is no comodule and supporting peripherals, or support	nust be tested in a stable must not be insor compliance with transmitter modulate comply with the bund in Section 15.2 input/output lines computed in ferrites, unless the (see Section 15.2 be the length typical known, at least 10 coupling between the equipment. Any a	ide another h Part 15 le will be e AC line 207. AC or onnected to hey will be 27(a)). The al of actual centimeters case of the accessories,	The Module was tested in stand-alone configuration. Refer to the test setup photos.	Y			

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	module during testing shall be unmodified and		
	commercially available (see Section 15.31(i)).		
6	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. (A) If using a permanently affixed label, the modular transmitter must be labeled with its own FCC identification number, and, if the FCC identification number 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: XYZMODEL1" or "Contains FCC ID: XYZMODEL1." 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. (B) If the modular transmitter uses an electronic display of the FCC identification number, the information must be readily accessible and visible on the modulae is installed inside another device, then the outside of the device into which the module is installed must display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains FCC certified transmitter module(s)." Any similar wording that expresses the same meaning may be used. The user manual must include instructions on how to access the electronic display. A copy of these instructions must be included in the application for equipment authorization.	Refer to the user manual	Y
7	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.	Refer to the user manual.	Y
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	Refer to the RF exposure statement for more details.	Y
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A **limited modular approval** may be granted for single or split modular transmitters that do not comply with all of the above requirements, *e.g.*, shielding, minimum signaling amplitude, buffered modulation/data inputs, or power supply regulation, if the manufacturer can demonstrate by alternative means in the application for equipment authorization that the modular transmitter meets all the applicable Part 15 requirements under the operating conditions in which the transmitter will be used. Limited modular approval also may be granted in those instances where compliance with RF exposure rules is demonstrated only for particular product configurations. The applicant for certification must state how control of the end product into which the module will be installed will be maintained such that full compliance of the end product is always ensured.

Sincerely,

Client's signature

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