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December 13, 2018

RE: U5X-RE207 Request for Limited Modular Approval

To Whom It May Concern:

We hereby request Limited Modular Approval for U5X-RE207 as described under 47 CFR 15.212(b). This device is usable on only a few host devices that have been designed to work with the RE207 and RE207T PCB boards. The RE207/RE207T board can operate on its own or with two specific host devices that have unique connectors. In addition, when using the RE207/RE207T in a host device, it is installed into one of the PIR enclosures prior to shipping to customers. This process ensures that only complete units reaches customers. The following pages further describe the compliance of this device with Limited Modular Approval requirements.

Sincerely,

Paul Saldin Vice President

Alula

Applica	nt/Grantee	Alula						
FCC ID		U5X-RE2	07					
Section 15.212 Modular Transmitters								
Request for Modular Approval Request for				Limited Modular Approval				
		Require	ements	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.			Not required for LMA. All tuning components are still on module.	N			
2	The modular modulation/o provided) to with Part 15	transmitter data inputs (ensure that requirement	must have buffered if such inputs are the module will comply is under conditions of ver-modulation.	Only two binary inputs are accepted from host devices. Data rates are controlled by the module.	Y			
3	The modular power suppl		must have its own	Modular transmitter has its own 3 VDC battery power supply.	Y			
4	The modular transmitter must comply with the antenna and transmission system requirements of Sections 15.203, 15.204(b) and 15.204(c). 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 Section 15.203 is not applicable to modules but can apply to limited modular approvals under paragraph (b) of this section.			The antenna is permanently attached to the board and is not removable.	Y			
5	stand-alone of not be inside compliance of the transmitt it must comprequirements DC power liconnected to ferrites, unle module (see these lines shade or, if that centimeters to between the equipment. A support equiduring testing	configurations another device another device with Part 15 are module wolly with the stand data of the module ess they will. Section 15.2 hall be the left length is unto insure that case of the ray accessory pment connerging shall be unto the section of the ray accessory.	must be tested in a n, <i>i.e.</i> , the module must vice during testing for requirements. Unless vill be battery powered, AC line conducted ection 15.207. AC or input/output lines must not contain be marketed with the 27(a)). The length of ength typical of actual aknown, at least 10 there is no coupling module and supporting ries, peripherals, or ected to the module amodified and (see Section 15.31(i)).	Not required for LMA. As specified in 15.212(b), the manufacturer must only "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." We have done this by testing the device in each host device to show compliance with emission limits and will test in future host devices. Test result details for the device in each host device are in Exhibit I1, Exhibit I2, and Exhibit I3.	N			
6	commercially available (see Section 15.31(i)). The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.			FCC label will be affixed to the top of the transmitter daughter board inside the host device and will also be affixed to the outside	Y			

	(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 modular transmitter or on the device in which it is installed. If the module 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	of the host device enclosure. Please see Internal Photos and ID Label Photos for details.	
	instructions must be included in the application for equipment authorization.		
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.	We have provided instructions in the user manual.	Y
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	This device is not meant to be used near the body. Details explained in RSS-102 SAR and RF Exp Exemption Techincal Brief.	Y

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.