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November 2, 2018

RE: U5X-RE128 Request for Limited Modular Approval

To Whom It May Concern:

We hereby request Limited Modular Approval for U5X-RE128 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 RE128 daughter board. The daughter board will not operate unless connected to a host device that has been designed to work with the daughter board. In addition, the daughter board is installed into one of the host devices prior to shipping to customers. This process ensures that only complete units of host device and RE128 daughter board 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-RE128						
Section 15.212 Modular Transmitters								
Request	for Modular	Approval	Request for	Limited Modular Approval	\boxtimes			
		Requirement	S	EUT Conditions	Comply (Y/N)			
				val Requirements				
1	The radio elements of the modular transmitter			Not required for LMA. All tuning	N			
		eir own shielding	± •	components are still on module.				
		uning capacitors n						
		ne shielded radio e		Only two binary inputs are				
2	The modular	Y						
		data inputs (if sucl	-	accepted from host devices. Data				
			odule will comply	rates are controlled by the				
		requirements und		module.				
2	excessive dat							
3		r transmitter must	have its own	This requirement is not necessary	N			
	power supply	y regulation.		for LMA. Host devices must				
				supply 3 VDC power to module for the module to operate.				
4	The modular	r transmitter must	comply with the	The antenna is permanently	Y			
7	The modular transmitter must comply with the antenna and transmission system requirements			attached to the board and is not	•			
		15.203, 15.204(b)	-	removable.				
		must either be per	` '					
		employ a "unique"						
		ctions between the	-					
	antenna, incl	luding the cable).	The "professional					
		provision of Section						
		modules but can						
		rovals under paraş	graph (b) of this					
	section.							
5		transmitter must		Not required for LMA. As	N			
		_	the module must	specified in 15.212(b), the				
		e another device di		manufacturer must only				
	_	with Part 15 requirer module will be		"demonstrate by alternative means in the application for				
		oly with the AC lin	• •	equipment authorization that				
	-	s found in Section		the modular transmitter meets				
	_	nes and data input		all the applicable Part 15				
	-	the module must	•	requirements under the				
		ess they will be ma		operating conditions in which				
		Section 15.27(a))		the transmitter will be used."				
		hall be the length	_					
		t length is unknov	* =	We have done this by testing the				
		to insure that there		device in each host device to				
		case of the modul		show compliance with emission				
		Any accessories, p	_	limits will test in future host				
		pment connected		devices. The transmitter board				
		g shall be unmodi		also requires power and inputs				
	commercially	y available (see So	ection 15.31(1)).	from the host board to operate				
				making it only functional if in the				
				tested host devices. Test result				

		details for the device in each host	
		device are in Exhibit I1 and	
		Exhibit I2.	
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 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	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 of the host device enclosure. Please see Internal Photos and ID Label Photos for details.	Y
	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. d modular approval may be granted for single or single o	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.