Applicant/GranteeMurata Manufacturing Co., Ltd.FCC ID:XCSSUX-1278Section 15.212 Modular Transmitters								
					Request	for Modular Approval 🛛 🛛 Request f	or Limited Modular Approval	
						Requirements	EUT Conditions	Comply (Y/N)
	Single Modular Appr	oval 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.	Device is equipped with Metal shielding to cover RF section. Refer to 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 the level converter (IC2) inputs. Refer to Schematic.	Y					
3	The modular transmitter must have its own power supply regulation.	Module has 3.3V/2.5V/1.8V/1.2V/1.0V power supply regulation.	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 patch array antenna is integrated into Module. Refer to external photos.	Y					
5	The modular transmitter must be tested in a stand-alone configuration, <i>i.e.</i> , the module must not be inside another device during testing for compliance with Part 15 requirements. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in Section 15.207. AC or DC power lines and data input/output lines connected to the module must not contain ferrites, unless they will be marketed with the module (see Section 15.27(a)). The length of these lines shall be the length typical of actual use or, if that length is unknown, at least 10 centimeters to insure that there is no coupling between the case of the module and supporting equipment. Any accessories, peripherals, or support equipment connected to the module during testing shall be unmodified and commercially	Device was tested alone for full modular approval. Refer to setup photos.	Y					

	available (see Section 15.31(i)).				
6	The modular transmitter must be equipped	The proposed FCC ID label format	Y		
	with either a permanently affixed label or must	is to be placed on the module. If			
	be capable of electronically displaying its FCC	FCC ID is not visible when the			
	identification number.	module is installed into the system,			
	(A) If using a permanently affixed label, the modular	"Contains FCC ID: XCSSUX-			
	transmitter must be labeled with its own FCC	1278" shall be placed on the			
	identification number, and, if the FCC identification number is not visible when the module is installed	outside of final host system.			
	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				
	instructions must be included in the application for				
7	equipment authorization.		• 7		
7	The modular transmitter must comply with	Refer to "User Manual" Exhibit	Y		
	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				
8	application for equipment authorization. The modular transmitter must comply with	Meet RF exposure compliance	Y		
0	any applicable RF exposure requirements in	requirement	I		
	its final configuration.	requirement			
A limited		solit modular transmitters that do not or	omnly with		
A limited modular approval may be granted for single or split modular transmitters that do not comply with all of the above requirements, <i>e.g.</i> , 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				
connguit	atons. The approant for contineation must state in	ow control of the one product into which			

will be installed will be maintained such that full compliance of the end product is always ensured.