Applicant/Grantee MITSUMI ELECTRIC CO., LTD.					
FCC ID: EW4DWMW046					
Section 15.212 Modular Transmitters					
Request	for Modular Approval	r Limited Modular Approval			
	Requirements	EUT Conditions	Comply (Y/N)		
Single Modular Approval Requirements					
1	The radio elements of the modular transmitter	Device is equipped with Metal	Y		
	must have their own shielding. The physical	shielding to cover RF section.			
	crystal and tuning capacitors may be located	Refer to external photos			
	external to the shielded radio elements.				
2	The modular transmitter must have buffered	All inputs to the modules are	Y		
	modulation/data inputs (if such inputs are	buffered through logic U2 inputs.			
	provided) to ensure that the module will	Refer to Schematic Diagram.			
	comply with Part 15 requirements under				
	conditions of excessive data rates or over-				
	modulation.	T	T 7		
3	The modular transmitter must have its own	Internal 3.3 V and 1.2V regulators.	Y		
4	power supply regulation.	Refer to Block Diagram.	Y		
4	The modular transmitter must comply with the antenna and transmission system requirements	Device is equipped with unique antenna (U.FL-R-SMT-1	1		
	of Sections 15.203, 15.204(b) and 15.204(c).	(HIROSE))connector. Refer to			
	The antenna must either be permanently	external photos.			
	attached or employ a "unique" antenna	external photos.			
	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.				
5	The modular transmitter must be tested in a	Device was tested outside of the	\mathbf{Y}		
	stand-alone configuration, <i>i.e.</i> , the module	Laptop PC for full modular			
	must not be inside another device during	approval. Refer to setup photos.			
	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				
	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 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	The proposed FCC ID label format is to be placed on the module. If FCC ID is not visible when the module is installed into the system, "Contains FCC ID: EW4DWMW046" shall be placed on the outside of final host system.	Y	
	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.	Refer to "User's Guide" Exhibit	Y	
8	The modular transmitter must comply with	Meet RF exposure compliance	Y	
	any applicable RF exposure requirements in	requirement		
A 10 04	its final configuration.		1 1.1	
A limited modular approval may be granted for single or split modular transmitters that do not comply with				

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.