Applicant/Grantee								
FCC ID: MHI-CONAPPWM								
Section 15.212 Modular Transmitters								
Request for Modular Approval X Request for Limited Modular Approval								
		Requirements		EUT Conditions	Comply (Y/N)			
Single Modular Approval Requirements								
1	The radio ele	ements of the r		The module has fixed shielding over	Y			
	transmitter must have their own			radio chips, RF front end components,				
	shielding. Th	ne physical cry	stal and	crystals and tuning capacitors.				
		itors may be lo						
		ne shielded rad						
2	The modular transmitter must have			Data inputs on the module are buffered	Y			
	buffered modulation/data inputs (if such			through multiple layers of on-chip				
	inputs are pr	ovided) to ensi	are that the	digital circuits and cannot cause non-				
	module will	comply with P	art 15	compliance due to excessive data rates				
		s under conditi		or over-modulation.				
	excessive da	ta rates or over	r-modulation.					
3	The modular	r transmitter m	ust have its	The module has its own voltage	Y			
	own power s	supply regulation	on.	regulators for all critical circuits				
				(synthesizers, VCOs, power amplifiers,				
				etc.)				
4		r transmitter m		The antennae are not connectorized and	Y			
	with the ante	enna and transr	nission	are permanently attached on the module				
		irements of Sec						
	, ,	nd 15.204(c). T						
		e permanently						
		nique" antenna						
		ons between the						
		including the						
		l installation"						
		03 is not applie						
		can apply to li						
		rovals under p	aragraph (b)					
_	of this sectio							
5		r transmitter m		As the test reports show, the module was	Y			
		one configurati		tested in a stand-alone configuration and				
		t not be inside		complies with all test requirements for				
		g testing for co		modular transmitters.				
		requirements.						
		nodule will be	•					
	<del>-</del>	nust comply w						
		ed requirement						
		07. AC or DC ut/output lines	-					
		nust not contai						
		will be markete						
		Section 15.27(						
		section 13.27( se lines shall b						
		tual use or, if t						
		least 10 centir	-					
	unknown, at	icasi 10 centin	1101018 10					

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	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	The module will have a permanently	Y
	equipped with either a permanently	affixed label with its FCC identification	
	affixed label or must be capable of	number and installations will be required	
	electronically displaying its FCC	as noted in the integrator guide to have a	
	identification number.	label stating that they contain the radio	
	(A) If using a permanently affixed label, the	module, noting the FCC identification	
	modular transmitter must be labeled with its own FCC identification number, and, if the FCC	number.	
	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		
7	equipment authorization.	Paguiraments to angura agentianas sur	Y
/	The modular transmitter must comply with any specific rules or operating	Requirements to ensure compliance are specified in user and integrator manuals.	Y
	requirements that	specified in user and integrator manuals.	
	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.		
8	The modular transmitter must comply	Requirements to ensure compliance with	Y
	with any applicable RF exposure	exposure limits are specified in user and	
	requirements in its final configuration.	integrator manuals.	

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.