Applicant/Grantee Digi International Inc								
FCC ID: MCQ-MCWIFI								
Section 15.212 Modular Transmitters								
Request for Modular Approval Request for Limited Modular Approval								
•		Requirements	•	EUT Conditions	Comply (Y/N)			
Single Modular Approval Requirements								
1	The radio elements of the modular			The modular device is equipped with	Y			
		nust have their own		metal shielding to cover the RF section.				
		ne physical crystal an	d	Please refer to Figures 1& 2.				
		itors may be located						
		ne shielded radio eler						
2	The modular transmitter must have			All inputs to the module are buffered	Y			
	buffered modulation/data inputs (if such			through logic or microprocessor inputs.				
		ovided) to ensure tha	t the					
		comply with Part 15						
		s under conditions of						
2		ta rates or over-modu			***			
3		transmitter must hav	e its	The transmitter portion of the modular	Y			
	own power's	supply regulation.		device uses its own 2.8V and 3.3V				
				voltage regulators. Please refer to Figure 4.				
4	The moduler	transmitter must cor	nnly	The modular device and the antenna are	Y			
4		enna and transmission		equipped with unique RPSMA	1			
		rements of Sections		connectors. Please refer to Figure 5.				
		d 15.204(c). The ante		connectors. I rease refer to 1 igure 3.				
	` /	be permanently attach						
		nique" antenna coupl						
		ons between the modu						
	the antenna,	including the cable).	The					
		l installation" provisi						
	Section 15.20	03 is not applicable t	0					
	modules but	can apply to limited						
		rovals under paragra	oh (b)					
	of this sectio							
5		transmitter must be		The modular device was tested in a	Y			
		one configuration, <i>i.e</i>	_	stand-alone configuration with the help				
		t not be inside anothe		of another board which supplied only				
		g testing for complian		physical support and power connections.				
		requirements. Unless		Please see Figure 6.				
		nodule will be battery						
	-	nust comply with the ed requirements foun						
		07. AC or DC power						
		ut/output lines connec						
	-	nust not contain ferri						
		will be marketed with						
		Section 15.27(a)). The						
		se lines shall be the l						
		tual use or, if that len						
		least 10 centimeters						

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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 modular device has its FCC	Y
	equipped with either a permanently	identification number printed on the	
	affixed label or must be capable of	PCB. Please see Figure 7. Another label	
	electronically displaying its FCC	is to be placed externally on any system	
	identification number.	into which the module is installed.	
	(A) If using a permanently affixed label, the	Figure 8 shows this labeling requirement	
	modular transmitter must be labeled with its own	recommendation which is stated in the	
	FCC identification number, and, if the FCC identification number is not visible when the	User's Manual.	
	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.	Dlegge Defer to the "OEM Hear?"	V
7	The modular transmitter must comply	Please Refer to the "OEM User's	Y
	with any specific rules or operating	Manual" supplied separately.	
	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.		
8	The modular transmitter must comply	Calculated Maximum Permissible	Y
	with any applicable RF exposure	Exposure is within limits. Please see	
	requirements in its final configuration.	Report 08U12300-2, Revision A.	

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.