Applicant/Grantee Cree Inc. (2ACQ6)							
FCC ID: 2ACQ6-WIM							
Section 15.212 Modular Transmitters							
Request	for Modular			est for Limited Modular Approval			
		Requirements		EUT Conditions	Comply (Y/N)		
	L		gle Modular A	Approval Requirements			
1	The radio ele	ements of the m		The WIM radio contains its own shield.	Y		
	transmitter must have their own				_		
	shielding. The physical crystal and tuning capacitors may be located						
	external to the shielded radio elements.						
2	The modular transmitter must have			The modular transmitter does have	Y		
_	buffered modulation/data inputs (if such			buffered data inputs to ensure that the	_		
		ovided) to ensu	_	module complies with Part 15			
		comply with Pa		requirements under conditions of			
		s under condition		excessive data rates or over-modulation.			
	_	ta rates or over-		Buffered modulation is not required			
	Cheeselve da	in races of over	ino aciation.	because modulation is handled on the			
				chip.			
3	The modular	transmitter mu	ıst have its	The modular transmitter does have its	Y		
		supply regulation		own power supply regulation.	_		
4		r transmitter mu		The WIM antenna is a permanent PCB	Y		
•		enna and transm		chip antenna.	_		
		irements of Sec		cinp uncoma.			
		nd 15.204(c). Th					
	, ,	be permanently					
		nique" antenna					
		ons between the					
		including the c					
		l installation" p					
		03 is not applic					
	modules but can apply to limited modular approvals under paragraph (b)						
	of this sectio	-					
5		transmitter mu	ist be tested	The WIM module was tested as a	Y		
	in a stand-alo	one configuration	on. <i>i.e.</i> . the	standalone device with an external			
		t not be inside a		power unit for Radiated Emissions and			
		g testing for co		AC Line Conducted Emissions.			
		requirements.	-				
		nodule will be b					
		must comply wi	•				
	-	ed requirements					
		07. AC or DC					
		ut/output lines of					
	_	nust not contain					
		will be marketed					
		Section 15.27(a					
		ese lines shall be					
	_	tual use or, if th	-				
		least 10 centim	_				

	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 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	Label present on transmitter.	Y
7	equipment authorization. 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	The WIM module was tested to CFR 47, FCC Subpart B and FCC Subpart C 15.207, 15.209 and 15.247.	Y

	instructions must be included in the		
	application for equipment authorization.		
8	The modular transmitter must comply	Refer to UL Report R12663786-E3	Y
	with any applicable RF exposure		
	requirements in its final configuration.		

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.