Applica	nt/Grantee GigaTera Lighting Inc.					
FCC ID: 2BMIG-INTNODEHP						
Section 15.212 Modular Transmitters						
Request	for Modular Approval 🛛 🔀 📗 Requ	uest for Limited Modular Approval				
	Requirements	EUT Conditions	Comply (Y/N)			
Single Modular Approval Requirements						
1	The radio elements of the modular	OK	Y			
	transmitter must have their own					
	shielding. The physical crystal and					
	tuning capacitors may be located					
	external to the shielded radio					
	elements.	O.V.	* 7			
2	The modular transmitter must have	OK	Y			
	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.					
3	The modular transmitter must have its	A DC-DC converter is configured for	Y			
	own power supply regulation.	internal supply of the module.	•			
	own power suppry regulation.	micrial supply of the module.				
4	The modular transmitter must comply	Connected to antenna with internal	Y			
	with the antenna and transmission	transmission line and matching.				
	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.					
5	The modular transmitter must be	OK	Y			
	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 available (see		
	Section 15.31(i)).		
6	The modular transmitter must be	Mark the FCC-ID certification number	Y
U			1
	equipped with either a permanently	on the module label.	
	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		
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	application for 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.	Module usage manuals were provided.	Y
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	For RF exposure requests, ensure that RF specs are entered and adhered to within the approval source provided to all users fo this module.	Y

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.

Byeong Ho In, Assistant December 22, 2024