Applica	nt/Grantee   Seiko Epson Corporation					
FCC ID	FCC ID: BKMFBM212B					
Section 15.212 Modular Transmitters						
Request	for Modular Approval Request fo	r Limited Modular Approval				
	Requirements	EUT Conditions	Comply (Y/N)			
	Single Modular Appro	oval Requirements				
1	The radio elements of the modular transmitter	The device is not equipped with	N			
	must have their own shielding. The physical	Metal shielding to cover RF				
	crystal and tuning capacitors may be located	section.				
	external to the shielded radio elements.					
2	The modular transmitter must have buffered	All inputs to the device are	Y			
	modulation/data inputs (if such inputs are	buffered through logic U1 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-					
2	modulation.	(D) 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	*7			
3	The modular transmitter must have its own	The device is equipped with	Y			
	power supply regulation.	Internal 3.3Vand 1.8V regulator.				
1	The medules transmitted must comply with the	Refer to Block Diagram.	Y			
4	The modular transmitter must comply with the	The device is equipped with the permanently attached antenna.	1			
	antenna and transmission system requirements of Sections 15.203, 15.204(b) and 15.204(c).	Any connector isn't used. Refer to				
	The antenna must either be permanently	Antenna specification				
	attached or employ a "unique" antenna	Antenna specification				
	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	The device was tested outside of	Y			
	stand-alone configuration, <i>i.e.</i> , the module	the 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	The proposed FCC ID label format	Y
	with either a permanently affixed label or must	is to be placed on the module.	
	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 equipment authorization.		
7	The modular transmitter must comply with	Refer to "User's Guide" Exhibit	Y
	any specific rules or operating requirements	Refer to Oser 5 Guide Limbit	-
	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	<u> </u>	The device complies with DF	Y
0	The modular transmitter must comply with	The device complies with RF	1
	any applicable RF exposure requirements in	exposure compliance requirement	
	its final configuration.	split modular transmitters that do not cor	

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.						