Applicant	/Grantee	Carmanah Signs Inc.						
FCC ID:		2AIQM-214231						
Section 15.212 Modular Transmitters								
Request For Modular Approval								
	Requir	ements	<b>EUT Conditions</b>	Comply (Y/N)				
Single Modular Approval Requirements								
1	transı shield tunin	adio elements of the modular mitter must have their own ding. The physical crystal and g capacitors may be located nal to the shielded radio ents.	Device is equipped with metal shielding to cover the RF section. Refer to external photos	Y				
2	buffere such ir that th 15 req	odular transmitter must have ed modulation/data inputs (if uputs are provided) to ensure e module will comply with Part uirements under conditions of ive data rates or overation.	All inputs to the modules are buffered through logic or microprocessor inputs.	Y				
3		odular transmitter must have n power supply regulation.	Power is provided by a LDO built into the TI CC2520 chip. See block diagram.	Y				
4	The modular transmitter must comply with the antenna and transmission system requirements of Sections 15.203, 15.204(b) and 15.204(c). The antenna must either be permanently attached od eŵploy a uŶidue_antenna coupler (at all connections between the module and the antenna, including the cable). The pdofessioŶal iŶstallatioŶ pdo isioŶ of Section 15.203 is not applicable to modules but can apply to limited modular approvals under paragraph (b) of this section.		Device has a permanent, non-replaceable antenna.	Y				
5	tested i.e., the anothe compli require modul must c conduct Section	odular transmitter must be in a stand-alone configuration, a module must not be inside or device during testing for ance with Part 15 ments. Unless the transmitter will be battery powered, it comply with the AC line of the cted requirements found in 15.207. AC or DC power lines ta input/output lines	Device was tested in stand-alone configuration on a carrier board.	Y				

	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 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 follo  iŶg: CoŶtaiŶs TdaŶsŵitted Module FCC ID: XY)MODEL1_od CoŶtaiŶs FCC ID: XYZMODEL1_AŶy siŵilad 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	One proposed FCC ID label format is included in the filing. The label is to be placed on the module.  Labeling instructions are also provided for integrators of the module in the Module Certification OEM Integrator's Manual.	Y

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	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:  CoŶtaiŶs FCC cedtified tdaŶsŵitted ŵodule;sJ.AŶy siŵilad   oddiŶg 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 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.	Refer to Module Certification OEM Integrator's Manual.	Y
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	Transmitter meets MPE calculation of 47 CFR 1.1307 (b) (1). Refer to MPE section of the test reports.	Y