January 15, 2016

REQUEST FOR LIMITED MODULAR APPROVAL

FCCID: 2AEZR-DURSLOW

Applicant: Amazon Robotics LLC
300 Riverpark Drive
North Reading, MA 01864

Model: Drive Unit Slow Radio

Since this module is not sold to the general end users directly, and is designed, limited for use and incorporated into an end product or host device by the grantee (Amazon Robotics, LLC), it does not comply with all of the modular transmitter basic requirements (Items 1 to 8) in FCC Part 15 Subpart C Section 15.212(a) as indicated below, thus a limited modular approval per 15.212(b) is requested.

Modular Approval Requirements		**YES**	**NO**	**Remarks**
15.212(a)(1)(i)	The radio elements of the modular transmitter must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.		X	Demonstrated compliance of the module without a shield.
15.212(a)(1)(ii)	The modular transmitter must have 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.	X		
15.212(a)(1)(iii)	The modular transmitter must have its own power supply regulation.		X	The end product or host device will provide an external power supply regulation to the radio module.
15.212(a)(1)(iv)	The modular transmitter must comply with the antenna and transmission system requirements of §§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 §15.203 is not applicable to modules but can apply to limited modular approvals under paragraph (b) of this section.	X		
15.212(a)(1)(v)	The modular transmitter must be tested in a stand-alone configuration, *i.e.*, the module must not be inside another device during testing for compliance with part 15	X		

	requirements. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in §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 §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 §15.31(i)).			
15.212(a)(1)(vi)	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.	X		
15.212(a)(1)(vii)	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.	X		
15.212(a)(1)(viii)	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	X		
15.212(b)	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.	X		Please see explanation above.

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