Caldogno, 16/07/2018

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Object: FCC Limited Modular Approval requirements for radio module AIRRT42FH

FCC ID: OQA-AIRRT42FH

	Requirement	Comply (Y/N)	Notes
1	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.	Y	Refer to product photos, schematics and PCB layout.
2	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.	Y	Buffering is accomplished by the on-board microcontroller.
3	The modular transmitter must have its own power supply regulation.	Y	Refer to product schematics.
4	The limited modular transmitter must comply with antenna and transmission system requirements of § 15.212(a)(1) modular rules. It constrains to specific operating host(s) and/or associated grants condition(s). 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.	Y	The module is always used only in Autec radio equipment by Autec itself. Note: the module has to be used with: - an Autec RF interface cable with male MMCX to male TNC-RP - a specific antenna, externally mounted.
5	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 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)).	Y	Refer to test setup photos. The module is tested on a fixture board providing only input and power supply connections.

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	Requirement	Comply (Y/N)	Notes
6	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. 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.	Y	Refer to the label. Refer to instructions on the manual.
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.	Y	Refer to the manual.
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	Y	Refer to Test Reports

Sincerely,

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