

Modular Approval Justification

Revision 0.11

November 17, 2019

CoreTigo Ltd
Giborey Israel 5, Poleg, Natanya, Israel 4250405

RE FCC ID: 2ATSM-TGRFCM1

To the certification reviewer:

Options

We are hereby applying for limited modular approval of the above-referenced FCC ID, based on compliance with most of the criteria as detailed below.

Sincerely,

Blonskey Ofer

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~~CoreTigo Ltd.~~
~~515639045 .d.n~~

Ofer Blonskey
 VP R&D

Part 15 Unlicensed Single Limited Modular Transmitter Approval Justification per 15.212

Requirement per 15.212		Yes / No	reference
(i)	The radio elements of the modular transmitter must have their own RF shielding.	Yes	Shielding is provided by a metal cover over the circuitry
(ii)	The modular transmitter must have buffered modulation/data inputs (if such inputs are provided).	Yes	All modulation and data inputs are buffered by circuitry on chip.
(iii)	The modular transmitter must have its own power supply regulation.	Yes	Power supply regulation is provided inside the Radio chip, over supply range of 1.7V to 4.8V volts for VDD_IN and 1.62V to 1.92V for VDD_IO.
(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).	No	for limited modular approval: the application is intended for professional installation only.
(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 parameters.	Yes	Testing was performed with the module extended outside of the host on a special extender board, as shown in the test setup photos.
(vi)	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. If the FCC ID 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.	Yes	The modular transmitter label is provided as described in the user manual, showing the FCC identifier of the module. Please refer to the user manual

(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.	Yes	The module complies fully with the operating requirements of Part 15 section as demonstrated in the test report.
(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	Yes	The modular transmitter complies with this requirement, please refer to RF exposure report