

Date: Sunday, March 09, 2014

Ref: LMA Compliance Letter
To: Federal Communications Commission

Subject: LMA compliance letter

This letter introduces Haldor Advanced Technologies Ltd.'s request to approve its RFID Tag Reader FCC ID: X4V-ORL-L40 according to FCC Limited Modular Approval procedure, and to demonstrate the means to control the module as required by the LMA procedure.

"TAGSYS Medio L40 is a 4x channel HF (13.56MHz) RFID ISO15693 Reader uses advances in Digital Signal Processing (DSP) and RF Front End technology to achieve breakthrough performance in read range and read speed. Medio L40 Reader provides high detection level performance in a compact and easy-to-integrate unit"

This model is not sold separately, and is not installed in any units other than Haldor Advanced Technologies Ltd's products, and currently it is used in the following hosts: ORLocate Reception/OR Check –Out System and ORLocate OR Lite System.

In any case where the RFID Tag Reader FCC ID: X4V-ORL-L40 will be added to other hosts in the future, Haldor Advanced Technologies Ltd. will expand the LMA to include the new hosts.

Due to all the above mentioned, Haldor Advanced Technologies Ltd. feels that the testing conducted by ITL to the various hosts, with the fact that Haldor Advanced Technologies Ltd. has full control on the sales and installation of the module, assure complete compliance with FCC LMA procedure.

As per § 15.212 Modular transmitters: Single modular transmitters must meet the following requirements to obtain a modular transmitter approval.		
Requirement	Not Maintained	Maintained
(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.		Yes
(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.		Yes
(3) The modular transmitter must have its own power supply regulation.		Yes
(4) 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.		Yes
(5) The modular transmitter must be tested in a stand-alone configuration, <i>i.e.</i> , 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)).		Yes

As per § 15.212 Modular transmitters:
Single modular transmitters must meet the following requirements to obtain a modular transmitter approval.

Requirement	Not Maintained	Maintained
(6) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.		Yes
(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.		Yes
(8) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.		Yes

Thank you,

Signature: 9-MAR-14

Printed Name: Morr Avissara

Product Manager

Haldor Advanced Technologies Ltd.