

Hitachi High-Tech Materials Corporation

Address: 24-14, NISHI SHIMBASHI 1-CHOME
MINATO-KU, TOKYO 105-0003 JAPAN
Tel : 81-3 (3504) 5083 Fax : 81-3 (3504) 5097

June 6, 2013

FCC ID : VZQPC1080501
Model : PC-1080501
Applicant : Hitachi High-Tech Materials Corporation

Request for Modular Transmitter Approval

This NFC Reader/Writer Module (Model: PC-1080501) is designed by Hitachi High-Tech Materials Corporation.
This modular transmitter complies with the modular transmitters basic requirements (Item 1 to 8) in FCC Part 15 Subpart C Section 15.212 as indicated below:

Modular Approval Checklist:

Modular approval requirement	Yes	No
(1) Have its own RF shielding.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(2) Have buffered modulation/data inputs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(3) Have its own power supply regulation.	<input type="checkbox"/>	<input checked="" type="checkbox"/> Stable voltage DC 5V is constantly supplied to this module.
(4) Comply with the antenna and transmission system requirements of § 15.203, 15.204(b) and 15.204(c).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(5) Tested in a stand-alone configuration. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in FCC § 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. 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(6) Equipped with either a permanently affixed label or must be capable of electronically displaying its FCC ID. 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(7) 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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(8) Comply with any applicable RF exposure requirements in its final configuration: The modular transmitter complies with FCC radiation exposure requirement.	<input checked="checked" type="checkbox"/>	<input type="checkbox"/>
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A. Suzuki

Atsushi Suzuki
RFID Dept., Manager
Hitachi High-Tech Materials Corporation